mammals. Miller BE, et al.
J Med Entomol 7:697-702, Dec 70
A contribution to the ecology of ticks infesting wild birds and rabbits in the Virginia-North Carolina Piedmont (Acarina: Ixodidae). Sonenshine DE, et al.
J Med Entomol 7:645-54, Dec 70
Development of human and pig ascaris in the pig and rabbit. Galvin TJ. J Parasitol 54:1085-91, Dec 68
Experimental infection of domestic sheep with Trichostrongylus colubriformis from natural infections in black-tailed jackrabbits. Samson KS.
J Parasitol 56:1037, Oct 70
Listrophorus gibbus (Acarina: listrophoridae). An unusual parasitic mite from laboratory rabbits (Oryctolagus cuniculus) in the United States. Weisbroth SH, et al. J Parasitol 57:438-40, Apr 71
Quantitative studies of pseudorabies virus in mink, ferrets, rabbits and mice. Goto H, et al.
Jap J Vet Sci 33:145-53, Jun 71
The relationship of Pasteurella multocida to otitis media in the domestic rabbit (Oryctolagus cuniculus). Fox RR, et al. Lab Anim Sci 21:45-8, Feb 71
General anesthesia in rabbits using methoxyflurane, nitrous oxide, and oxygen. Kent GM.
Lab Anim Sci 21:256-7, Apr 71
Acepromazine and methoxyflurane anesthesia of immature New Zealand white rabbits. McCormick MJ, et al. Lab Anim Sci 21:220-3, Apr 71
Human infection by Trichophyton mentagrophytes from rabbits. Alteras I, et al.
Mykosen 12:543-4, 1 Sep 69
Differences in the delay phenomenon in the rabbit, rat, and pig. Myers MB, et al.
Plast Reconstr Surg 47:73-8, Jan 71
Microsporum canis infection in a rabbit. Saxena SP, et al. Sabouraudia 8:235-6, Nov 70
The teratologic effects of thalidomide in Himalayan rabbits. Lehmann H, et al.
Toxicol Appl Pharmacol 18:208-19, Jan 71
Correlation of 4-hour vs. 24-hour contact skin penetration toxicity in the rat and rabbit and use of the former for predictions of relative hazard of pesticide formulations. Weil CS, et al.
Toxicol Appl Pharmacol 18:734-42, Mar 71
An outbreak of encephalomyelitis in broiler rabbits caused by Nosema cuniculi. Pattison M, et al.
Vet Rec 88:404-5, 10 Apr 71
Mucoid enteritis in rabbits. Pout D.
Vet Rec 89:214-5, 21 Aug 71
The host-parasite relationship between the domestic rabbit and Trichostrongylus colubriformis. Purvis GM, et al. Vet Rec 89:151-2, 31 Jul 71
On the occurrence of hare lice, Haemodipsus spp.(Anoplura, haplopleuridae) on hares, Lepus europaeus, in the Netherlands. Broekhuizen S.
Z Parasitenkd 36:153-68, 1971
A study of staphylococci isolated from the upper respiratory tract of different animal species. IV. Physiological properties of Staphylococcus aureus strains of hare origin. Hájek V, et al.
Zentralbl Bakteriol [Orig] 216:168-74, 1971
[The feeding of rabbits] Lebas F.
Aliment Vie 57:245-68, 1969 (Fre)
[Inoculation myxomatosis caused by the rabbit flea and myxomatosis from burrowing] Joubert L, et al.
Bull Acad Vet Fr 42:93-101, Feb 69 (Fre)
[Rapid determination in dogs and rabbits of urinary and blood glucose and urea] Petit JP.
Rev Elev Med Vet Pays Trop 22:417-22, 1969 (Fre)
[2 year experiment on the prevention and control of myxomatosis by the use of fly sprays and special hygienic measures] Schindler W, et al.
Arch Exp Veterinaermed 24:861-86, 1970 (Ger)
[Testing of coccidiostatic medicines in field experiments on rabbits] Dürr U, et al.
Berl Munch Tieraerztl Wochenschr 83:50-4, 1 Feb 70 (Ger)
[Bordetella infections, a problem on rabbit farms] Mayer H.
Berl Munch Tieraerztl Wochenschr 84:273-4, 15 Jun 71 (Ger)
[Coccidiosis in rabbits] Dürr U.
Dtsch Tieraerztl Wochenschr 78:17-8 passim, 1 Jan 71 (31 ref.) (Ger)
[Preparation of the operation site for laparotomy in experimental rabbits] Wenzel KP.
Monatsh Vet Med 26:113-5, 1 Feb 71 (Ger)
[Identification of experimental rabbits] Wenzel KP, et al. Monatsh Vet Med 26:115-6, 1 Feb 71 (Ger)
[Labeling of experimental rabbits] Wenzel KP, et al.
Monatsh Vet Med 25:643-4, 15 Aug 70 (Ger)
[On the stomatology of the domestic rabbit] Hechstrasser G.
Wien Tieraerztl Monatsschr 57:254-6, Jun-Jul 70 (Ger)
[Comparison of natural and induced hair growth in the color pattern of wild-colored domestic rabbits] Bieber H, et al.
Z Naturforsch [B] 25:1287-93, Nov 70 (Ger)
[Prophylactic studies of sulfonamides in intestinal coccidiosis of the rabbit] Dürr U, et al.
Zentralbl Veterinaermed [B] 17:554-63, May 70 (Ger)
[Myxomatosis of rabbits--study of virus modification] Jiran E, et al.
Zentralbl Veterinaermed [B] 17:418-28, Mar 70 (Ger)
[On an unusual malformation of the rabbit brain: presence of striated muscle fibers] Tison V, et al.
Arch Ital Anat Istol Patol 42:485-9, 1969 (Ita)
[Ocular histo-morphological changes in rabbits raised permanently in an area situated near industrial zones] Ronchieri M.
Atti Accad Fisiocrit Siena [Med Fis] 17:911-24, 1968 (Ita)
[A case of pasteurellosis contracted from a hare] Miyakoda U, et al.
J Jap Soc Intern Med 60:547-50, 10 Jun 71 (Jap)
[Ultrastructure of the carotid glomus in rabbits] Milcu SM, et al. Stud Cercet Endocrinol 21:413-7, 1970 (Rum)
[Hemoglobin type in newborn and adult rabbits] Irzhak LI, et al. Dokl Akad Nauk SSSR 195:1240-1, 1970 (Rus)

ANATOMY & HISTOLOGY

Observations on the lymphatic vessels in the subserosa of rabbit large intestine: the internal pressure and structure. Takada M, et al.
Acta Anat Nippou 45:305-10, 1 Dec 70
Morphologic evidence that the renal calyx and pelvis control ureteric activity in the rabbit. Gosling JA, et al. Am J Anat 130:393-408, Apr 71
On the histogenesis of the ovarian interstitial gland in rabbits. I. Primary interstitial gland. Mori H, et al.
Am J Anat 129:289-305, Nov 70
Nuclear bodies in normal and chromatolytic sympathetic neurons. Dixon JS.
Anat Rec 168:179-85, Oct 70
Cell replication of mesenchymal elements in adult tissues. I. The replication and migration of mesenchymal cells in the adult rabbit dermis. Kaye GI, et al. Anat Rec 169:593-611, Mar 71
Olfactory nerve projections to the olfactory bulb in rabbit: demonstration by means of a simplified ammoniacal silver degeneration method. Land LJ, et al. Brain Res 23:250-4, 13 Oct 70
The structure of the developing and adult ciliary complex of the rabbit eye: a gross, light, and electron microscopic study. Weingeist TA.
Doc Ophthalmol 28:205-375, 12 Nov 70
Organization of subcortical projections of visual areas I and II in the rabbit. An experimental degeneration study. Giolli RA, et al. J Comp Neurol 142:351-75, Jul 71
Comparative anatomical studies on the lymphoid apparata at the ileocaecal region in Lagomorpha. Yamasaki F.
Okajimas Folia Anat Jap 47:407-25 passim, Mar 71
[Electron microscopy study of the fetal rabbit lung] Reid L, et al. Poumon Coeur 25:201-6, 1969 (Fre)
[Quantitative studies on the distribution of Paneth's granular cells in the intestine of golden hamsters and rabbits] Oestreich B, et al.
Z Mikrosk Anat Forsch 82:236-42, 1970 (Ger)
[Glandulae rectales of the rabbit. Light microscopical and histochemical investigations] Kühnel W.
Z Zellforsch Mikrosk Anat 118:127-41, 1971 (Ger)
[The popliteal artery in some domestic species] König HE.
Zentralbl Veterinaermed [A] 17:644-51, Aug 70 (Ger)
[Efferent and sensory innervation of the bladder. Research in Lepus cuniculus] Andreozzi G, et al.
Acta Med Vet (Napoli) 15:41-54, Jan-Apr 69 (Ita)

DRUG EFFECTS

Dicarboxylic amino acid influx across brush border of rabbit ileum. Effects of amino acid charge on the sodium-amino acid interaction. Schultz SG, et al.
J Gen Physiol 56:621-39, Nov 70

EMBRYOLOGY

Trans membrane potential of the rabbit blastocyst trophoblast. Cross MH, et al.
Exp Cell Res 58:125-7, Nov 69
Chromosome abnormalities of early rabbit embryos. Hofsaess FR, et al. J Exp Zool 177:9-11, May 71
Nucleic acid synthesis in preimplantation rabbit embryos. II. Delayed synthesis of ribosomal RNA. Manes C. J Exp Zool 176:87-95, Jan 71
Origin and fate of lymphoid cells in the developing palatine tonsil of the rabbit. A possible mechanism of homing of lymphoid cells. Leene W.
Z Zellforsch Mikrosk Anat 116:502-22, 1971
[Suitability of silver fawn rabbits for toxicological studies] Aeppli L, et al.
Arzneim Forsch 21:139-42, Jan 71 (Ger)

GROWTH & DEVELOPMENT

Evidence for independent regulators of organ maturation in fetal rabbits. Kotas RV, et al.
Pediatrics 47:57-64, Jan 71
[Development of the falling flip-over reflex in the ontogenesis of rabbits] Schönfelder J, et al.
Acta Biol Med Ger 25:109-14, 1970 (Ger)
[Comparative age characteristics of the internal structure of cervical sympathetic trunks in rabbits and guinea pigs] Kadantseva AG.
Arkh Anat Gistol Embriol 58:98-107, 1970 (Rus)

IMMUNOLOGY

Silverwater virus serology in snowshoe hares and other vertebrates. Hoff GL, et al.
Am J Trop Med Hyg 20:326-30, Mar 71
Studies with the light microscope and electron microscope of lung macrophages in rabbits inoculated with an attenuated stain of Mycobacterium microti. Sula L, et al. Bull WHO 43:853-7, 1970
Leishmania tropica, L. donovani, and L. enriettii: immune rabbit serum inhibitory in vitro. Rezai HR, et al. Exp Parasitol 26:257-63, Dec 69
Further characterization of rabbit immunoglobulin allotype Ab9. Sell S, et al.
Immunochemistry 5:401-4, Jul 68
The effect of homologous rabbit antiserum on the growth of Leishmania tarentolae--a fine structure study. Strauss PR. J Protozool 18:147-56, Feb 71
Genetic control of variable and constant regions of immunoglobulin heavy chains. Mage RG, et al.
Nature [New Biol] 230:63-4, 10 Mar 71
Allotypy of high density lipoprotein of rabbit serum. Berg K, et al. Proc Natl Acad Sci USA 68:905-8, May 71
[Experimental infection of the hare (Lepus europaeus L.) with Calovo virus] Aspöck H, et al.
Zentralbl Bakteriol [Orig] 217:417-8, Jul 71 (Ger)

METABOLISM

The glycopeptide pattern of the porcine (Sus domesticus) and rabbit (Oryctolagus caniculus domesticus) corneal stroma. Moczar E, et al.
Comp Biochem Physiol 36:547-57, 1 Oct 70
[Effect of environmental temperature on nitrogen balance in rabbits] Boza J, et al.
Rev Esp Fisiol 26:253-6, Sep 70 (Spa)

PHYSIOLOGY

Receptive-field characteristics of superior colliculus neurons in the rabbit. Masland RH, et al.
J Neurophysiol 34:148-56, Jan 71
Receptive-field characteristics of lateral geniculate neurons in the rabbit. Stewart DL, et al.
J Neurophysiol 34:139-47, Jan 71
Changes in the blood volume of the rabbit with age. Little RA. J Physiol (Lond) 208:485-97, Jun 70
Normal rabbit vectorcardiogram. Miyaji K, et al.
Mie Med J 20:51-6, May 70
Water-holding lipid and water transmission through homeothermic and poikilothermic skins. Jelenko C 3d, et al. Proc Soc Exp Biol Med 136:1059-62, Apr 71
Blood iron metabolism in fowl and rabbit. Planas J, et al.
Rev Esp Fisiol 26:307-14, Dec 70
The central lymphoid tissues of rabbits. I. Functional studies in newborn animals. McKneally MF, et al.
Surgery 69:166-74, Feb 71
-naphthylisothiocyanate (ANIT)-induced hepatotoxicity and disposition in various species. Capizzo F, et al.
Toxicol Appl Pharmacol 19:176-87, Jun 71
[The duration of the phases of the cardiac cycle in rabbits] Sel'tser VK.
Biull Eksp Biol Med 66:3-6, Sep 68 (Rus)

RADIATION EFFECTS

[Hepatic bilirubin uptake and excretion in rabbits prior to and following Cs-gamma irradiation] Schmidt M, et al. Int J Radiat Biol 18:595-8, 1970 (Ger)

RABIES (C1)

Rabies. S.N. Bhansali Lecture delivered at the Bombay Medical Union for the year 1969. Jhala HI.
Indian J Med Sci 25:53-60, Jan 71
Wild pets are rabies threats. Koltveit AJ.
J Am Vet Med Assoc 157:1301, 15 Nov 70
Rabies: quarantine upheld.
Nature (Lond) 232:4-5, 2 Jul 71
Progress in rabies research. Sikes RK.
Proc US Anim Health Assoc 73:302-6, 1969
[6 cases of human rabies] Diop Mar I, et al.
Bull Soc Med Afr Noire Lang Fr 15:480-91, 1970 (Fre)
[Clinical picture of laboratory rabies in rats] Petrun'kina EM.
Patol Fiziol Eksp Ter 15:70-1, May-Jun 71 (Rus)

DIAGNOSIS

Methods for accelerating the fluorescent-antibody test for rabies diagnosis. Larghi OP, et al.
Appl Microbiol 21:611-3, Apr 71
Rabies diagnosis. Br Med J 2:483-4, 29 May 71
A case of human rabies in Kansas: epidemiologic, clinical, and laboratory considerations. Rubin RH, et al. J Infect Dis 122:318-22, Oct 70
Rabies in a child diagnosed by a new intra-vitam method. The cornea test. Cifuentes E, et al.
J Trop Med Hyg 74:23-5, Jan 71
[Complement fixation tests in the serology of rabies] Sodja I.
Cesk Epidemiol Mikrobiol Imunol 20:141-7, May 71 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Possibilities and limits of immunofluorescence in the laboratory diagnosis of rabies] Atanasiu P, et al.
Pathol Biol (Paris) 19:207-12, Feb 71 (Fre)
[The current role of the laboratory in the diagnosis of rabies] Atanasiu P, et al.
Presse Med 78:2237-40, 25 Nov 70 (Fre)
[Comparative studies on the diagnostic value of the cornea test, the nose test, and the mouth test in the diagnosis of rabies, performed on rabies-positive necropsy material] Schaaf J, et al.
Dtsch Tieraerztl Wochenschr 78:341-6, 15 Jun 71 (Ger)
[Immunofluorescence in the diagnosis of rabies. I. Search for rabies virus (Flury LEP and CVS fixed virus) in the brain of guinea pigs inoculated intramuscularly] Ravaioli L, et al.
Arch Vet Ital 21:421-30, 31 Dec 70 (Ita)
[Some peculiarities of rabies diagnosis in animals] Rosliakov AA, et al. Veterinariia 7:100-1, Jul 70 (Rus)
[Method for accelerating the immunofluorescence technic for the diagnosis of rabies] Larghi OP, et al.
Bol Of Sanit Panam 71:36-40, Jul 71 (Spa)

DRUG THERAPY

The effects of corticosteroids on rabies in mice. Enright JB, et al. Can J Microbiol 16:667-75, Aug 70
[Cerebral venous thrombosis and oral contraception] Rohmer F, et al.
Rev Neurol (Paris) 124:33-53, Jan 71 (Fre)

ETIOLOGY

Immunofluroescence study on the pathogenesis of fixed rabies virus respiratory infection in suckling mice. Hronovský V. Acta Virol (Praha) 15:58-64, Jan 71
[The biology of the rabies virus in tissue cultures in relation to the slow infection of the animal and of man] Ciaccio G.
Riv Biol 63:221-53, Apr-Jun 70 (79 ref.) (Mul)

HISTORY

The history and traditional treatment of rabies in Ethiopia. Pankhurst R. Med Hist 14:378-89, Oct 70

IMMUNOLOGY

[Demonstration of rabies virus in immunized mice and dogs after experimental infection]-Marcus I, et al. Dtsch Tieraerztl Wochenschr 78:326-5, 1 Jun 71 (Ger)
[Correlation between individual interferon production and susceptibility to various viral infections] Solov'ev VD, et al. Vopr Virusol 15:419-25, Jul-Aug 70 (Rus)
[Mechanism of interference of antibodies during immunization against rabies] Lisianyf NI.
Mikrobiol Zh 33:196-200, Mar-Apr 71 (Ukr)

MICROBIOLOGY

Electron-microscopic study of the inlusion body in human rabies. Leech RW.
Neurology (Minneap) 21:91-4, Jan 71
[New data on the routes of alimination of rabies virus in infected animals] Atanasiu P, et al.
C R Acad Sci [D] (Paris) 271:2434-6, 21 Dec 70 (Fre)
[Pathobiology of rabies] Atanasiu P, et al.
Laval Med 40:618-24, Sep 69 (Fre)

OCCURRENCE

Susceptibility of carnivora to rabies virus administered orally. Bell JF, et al. Am J Epidemiol 93:176-82, Mar 71
Rabies in Great Britain. McIntosh KS.
Aust Vet J 47:20-2, Jan 71
Some epidemiological aspects of rabies in Nigeria and Ghana. Zwart D. Bull Soc Pathol Exot 62:259-63, 1969
Rabies in Arkansas 1970. Ellis HR.
J Arkansas Med Soc 67:264-5, Jan 71
A case of human rabies in Kansas: epidemiologic, clinical, and laboratory considerations. Rubin RH, et al. J Infect Dis 122:318-22, Oct 70
The epidemiology of wildlife rabies. Irvin AD.
Vet Rec 87:338-48, 19 Sep 70 (168 ref.)
Mongoose rabies in Grenada. Jonkers AH, et al.
West Indian Med J 18:167-70, Sep 69
[Epizootic characteristics of rabies in wild carnivores in Rumania] Stirbu A, et al.
Arch Roum Pathol Exp Microbiol 28:683-92, Jun-Sep 69 (Fre)
[Rabies. Its course in France and adoption of preventive measures] Santamaria J.
Bull Acad Vet Fr 41:389-96, Nov 68 (Fre)
[Rabies in the Grand Duchy of Luxembourg] Kohn A, et al.
Bull Soc Sci Med Grand Duche Luxemb 105:9-33, Nov 68 (Fre)
[Rabies in Calabria] Giuttari G.
Ann Sanita Pubblica 30:77-91, Jan-Feb 69 (Ita)
[Epizootiology of rabies in foxes in Iamal] Siuziumova LM. Probl Sev 11:99-106, 1967 (Rus)
[Rabies virus isolation from insect eating bats in Cordoba, Argentina] Sileoni S, et al.
Bol Of Sanit Panam 70:456-62, May 71 (Spa)
[Epidemiological considerations on rabies] Charosky L, et al. Prensa Med Argent 58:239-44, 2 Apr 71 (Spa)

PATHOLOGY

Pathology of the peripheral nervous system in human rabies. A study of nine autopsy cases. Tangchai P, et al. Brain 94:299-306, 1971
The ultrastructure of Negri bodies in Purkinje neurons in human rabies. González-Angulo A, et al.
Neurology (Minneap) 20:323-8, Apr 70
[Ultrastructural study of neuron intracytoplasmic inclusions in a case of human rabies] Lemercier G, et al. Bull Soc Med Afr Noire Lang Fr 15:454-8, 1970 (Fre)
[Ultrastructure of Negri bodies in a case of human rabies] Lemercier G, et al.
Pathol Biol (Paris) 18:943-9, Nov 70 (Fre)

PREVENTION & CONTROL

Rabies prophylaxis. The physician's dilemma. Rose NJ, et al. Arch Environ Health 23:57-60, Jul 71
Control of rabies. Semple AB. Br Med J 3:478, Aug 71
Control of rabies. Br Med J 3:63-4, 10 Jul 71
Human rabies: wild animals challenge dogs as sources of contagion. Polk LD.
Clin Pediatr (Phila) 9:697-8, Dec 70
Prevention of rabies in man. Plotkin SA, et al. J Infect Dis 123:227-40, Feb 71 (94 ref.)
Rabies pre-exposure immunization in the "allergic" individual. Loofbourow JC, et al.
J Occup Med 12:295-8, Aug 70
Rabies immune globulin (human). Clinical trials and dose determination. Loofbourow JC, et al.
JAMA 217:1825-31, 27 Sep 71
Rabies prophylaxis. Johnson GM.
Pediatrics 46:821-2, Nov 70
Rabies vaccines--an assessment. Kaplan C.
Proc R Soc Med 64:228-31, Feb 71
[Anti-rabies vaccinations at the Centre Hospitalier Universitaire de Toulouse in 1968] Andrieu G.
Ann Inst Pasteur (Paris) 117:293-4, Aug 69 (Fre)
[Anti-rabies vaccinations at the Centre de Montlilier in 1968] Lanotte G.
Ann Inst Pasteur (Paris) 117:291-2, Aug 69 (Fre)
[Anti-rabies vaccinations at the Institut Pasteur of Lyon in 1968] Lebeuf F.
Ann Inst Pasteur (Paris) 117:286-8, Aug 69 (Fre)
[Anti-rabies vaccinations at the Institut Pasteur in 1968] Lépine P, et al.
Ann Inst Pasteur (Paris) 117:280-5, Aug 69 (Fre)
[Anti-rabies vaccinations at the Centre Pasteur de Marseille in 1968] Sivan J.
Ann Inst Pasteur (Paris) 117:289-90, Aug 69 (Fre)
[Rabies. Its course in France and adoption of preventive measures] Santamaria J.
Bull Acad Vet Fr 41:389-96, Nov 68 (Fre)
[Interference between Newcastle disease virus and rabies virus in rabbits: utilization of this phenomenon in the prevention of experimental rabies] Vieuchange J, et al.
C R Acad Sci [D] (Paris) 271:734-6, 24 Aug 70 (Fre)
[Reduction of the classical schedule of rabies vaccine treatment] Gamet A, et al.
Presse Med 79:1113-4, 15 May 71 (Fre)
[Rabies: prophylaxis and treatment. Apropos of a case of postvaccinal encephalomyelitis] Saint-Denis P, et al. Union Med Can 97:1275-9, Sep 68 (Fre)
[Complications in rabies vaccination] Timm H, et al.
Dtsch Med Wochenschr 95:2135-40, 16 Oct 70 (87 ref.) (Ger)
[Early treatment and indication rules for persons exposed to rabies] Förster E, et al.
Z Aerztl Fortbild (Jena) 63:1298-302, 15 Dec 69 (Ger)
[The campaign against rabies in the province of Caserta. Practical observations and considerations] Vaccaro A, et al.
Acta Med Vet (Napoli) 15:141-70, May-Aug 69 (Ita)
[Immunological prevention of rabies: experimental evaluation of vaccination schedules. Preliminary note] Del Vecchio V, et al.
Nuovi Ann Ig Microbiol 21:137-49, Mar-Apr 70 (Ita)
[Antigenic activity of dry sucrose antirabies vaccine from sheep brain] Morogova VM, et al.
Vopr Virusol 15:197-9, Mar-Apr 70 (Rus)
[Changes in the sensitivity of the body to heterologous viral infections following immunization with different virus vaccines. I. The ability of live polio vaccine and tick-borne encephalitis vaccine to evoke resistance to heterologous viral infections] Gorshunova LP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:83-6, Jun 70 (Rus)
[Dynamics of antibodies in vaccination with dried, completely inactivated rabies vaccine prepared from sheep brain] Morogova VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:121-3, Oct 70 (Rus)
[Perspectives of rabies control on the Northern border of Mexico] Cárdenas Lara J.
Salud Publica Mex 13:169-74, Mar-Apr 71 (Spa)
[Control of rabies in the State of Baja California] Fermán Martínez R.
Salud Publica Mex 11:631-4, Sep-Oct 69 (Spa)
[Occurrence of rabies despite vaccination] Sipahioğlu H. Turk Tip Cemiy Mecm 36:246-9, May 70 (Tur)
[50 years of work of the Pasteur Institute in Zagreb] Palmović S. Lijec Vjesn 92:789-95, Jul 70 (Cro)
[50 years of antirabies service in Croatia] Vodopija I, et al. Lijec Vjesn 92:797-8, Jul 70 (Cro)

VETERINARY

Experimental infection of golden hamster with Högyes' fixed strain of rabies virus. Karasszon D.
Acta Vet Acad Sci Hung 20:251-62, 1970
Oral vaccination of foxes against rabies. Baer GM, et al.
Am J Epidemiol 93:487-90, Jun 71
Experimental rabies chemotherapy in mice. Enright JB, et al. Am J Vet Res 32:437-44, Mar 71
Sylvatic rabies studies in the silver fox (Vulpes vulpes). Susceptibility and immune response. Black JG, et al. Can J Comp Med 34:309-11, Oct 70
The status of animal rabies in Canada. Lewis AE.
Can J Public Health 62:205-9, May-Jun 71
Diagnosis of rabies in dogs--comparative study on microscopic, biological and fluorescent antibody tests for diagnosis. Subrahmanyam B, et al.
Indian Vet J 48:123-7, Feb 71
Rabies vaccination in cats. Abelseth MK.
J Am Vet Med Assoc 158:Suppl 2:1003+, 15 Mar 71
Rabies in a raccoon. Cappucci D Jr.
J Am Vet Med Assoc 157:1082-3, 15 Oct 70
Antibody responses in cattle vaccinated with various rabies vaccines. Dreesen DW, et al.
J Am Vet Med Assoc 157:226-30, 15 Sep 70
Rabies in El Paso, Texas, before and after institution of a new rabies control program. Glosser JW, et al.
J Am Vet Med Assoc 157:320-5, 15 Sep 70
Rabies in Illinois foxes. Schnurrenberger PR, et al.
J Am Vet Med Assoc 157:1331-5, 15 Nov 70
Rabies in Illinois skunks. Schnurrenberger PR, et al.
J Am Vet Med Assoc 157:1336-42, 15 Nov 70
Comments on rabies immunization for cats. Sikes RK.
J Am Vet Med Assoc 158:Suppl 2:1006+, 15 Mar 71
Keeping Britain free of rabies. Hill FJ.
Proc R Soc Med 64:231-3, Feb 71
Rabies. The epidemiology of a fickle virus. Kaplan MM.
Proc R Soc Med 64:225-8, Feb 71
Rabies immunity in vaccinated cattle. Hubbard HB.
Proc US Anim Health Assoc 73:307-22, 1969
Progress in rabies research. Sikes RK.
Proc US Anim Health Assoc 73:302-6, 1969
Rabies control on Guam. Glosser JW, et al.
Public Health Rep 85:1113-20, Dec 70
Feline rabies. Aruo SK. Vet Rec 88:79, 16 Jan 71
The epidemiology of wildlife rabies. Irvin AD.
Vet Rec 87:338-48, 19 Sep 70 (168 ref.)
[Necessity of a well conducted antirabic vaccination in dogs] Gamet A, et al.
Bull Acad Vet Fr 43:277-81, Jun 70 (Fre)
[Symptomatology of bovine rabies during the current French enzootic] Gravière P, et al.
Bull Acad Vet Fr 42:163-8, Apr 69 (Fre)
[Seasonal variations in the incidence of rabies, and relationships between rabies in foxes and their age and sex] Ulbrich F.
Arch Exp Veterinaermed 23:1043-9, Nov 69 (Ger)
[Studies on inactivated rabies tissue culture vaccines in animals. II. Studies on immunization of cattle] Barth R, et al.
Berl Munch Tieraerztl Wochenschr 84:167-72, 1 May 71 (Ger)
[Fluorescence serological demonstration of rabies virus strain Flury-LEP in the brain. II. Experiments on dogs] Weinhold E, et al.
Berl Munch Tieraerztl Wochenschr 83:30-2, 15 Jan 70 (Ger)
[Usefulness of the cornea test in diagnosis of rabies] Zimmermann T.
Berl Munch Tieraerztl Wochenschr 84:172-4, 1 May 71 (Ger)
[Diagnosis of the so-called paralytic rabies in cattle] Grunert E.
Dtsch Tieraerztl Wochenschr 74:245-50, 15 May 67 (Ger)
[Control of rabies by combined fumigation of foxes' lairs and by promoting the killing of foxes] Kersten W, et al.
Dtsch Tieraerztl Wochenschr 78:175-8, 15 Mar 71 (Ger)
[Physiopathology of rabies] Schaaf J, et al.
Dtsch Tieraerztl Wochenschr 77:225-9, 15 May 70 (Ger)
[Rabies and suspected rabies in cattle--results of a 1961-68 study] Bergmann V.
Monatsh Vet Med 25:94-6, 1 Feb 70 (Ger)
[Rabies in Mustelilidae (marten species)] Ulbrich F.
Monatsh Vet Med 24:780-2, 15 Oct 69 (Ger)
[Epidural abscesses in roe bucks--a differential diagnostic factor in the investigation of rabies] Ulbrich F. Monatsh Vet Med 24:409-12, 1 Jun 69 (Ger)
[Rabies in a fox farm] Zepezauer V.
Monatsh Vet Med 24:702-3, 15 Oct 69 (Ger)
[Pre-infection protective rabies vaccination of domestic animals in the light of results in recent research] Wachendörfer G.
Wien Tieraerztl Monatsschr 57:51-61, Feb 70 (Ger)
[Rabies antibody conjugates for fluorescent antibody technic from sera of hyperimmunized goats] Förster

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

U, et al.
Zentralbl Veterinaermed [B] 18:274-9, Jun 71 (Ger)
[The campaign against rabies in the province of Caserta. Practical observations and considerations] Vaccaro A, et al.
Acta Med Vet (Napoli) 15:141-70, May-Aug 69 (Ita)
[Epizootiology of rabies in foxes in Iamal] Siuziumova LM. Probl Sev 11:99-106, 1967 (Rus)
[Rabies among wild animals] Anina-Radchenko ND, et al. Veterinariia 10:64-5, Oct 70 (Rus)
[Immunofluorescent studies of corneal prints in rabies] Kovalev NA, et al.
Veterinariia 9:44-6, Sep 70 (Rus)
[Some peculiarities of rabies diagnosis in animals] Rosliakov AA, et al. Veterinariia 7:100-1, Jul 70 (Rus)
[Epizootiology of animal rabies] Starchikov VG. Veterinariia 7:49-50, Jul 70 (Rus)
[Rabies in dogs in the City of Cali] Clemmer DI, et al. Bol Of Sanit Panam 69:212-20, Sep 70 (Spa)

RABIES VACCINE (D12)

Rabies vaccines. Turner GS.
Br Med Bull 25:136-42, May 69 (127 ref.)
Prevention of rabies in man. Plotkin SA, et al. J Infect Dis 123:227-40, Feb 71 (94 ref.)
Types of anti-rabies vaccines. Francisconi CR. JAMA 217:1867, 27 Sep 71
Rabies immune globulin (human). Clinical trials and dose determination. Loofbourow JC, et al. JAMA 217:1825-31, 27 Sep 71
Immunoglobulin response to rabies vaccine in man. Rubin RH, et al. Lancet 2:625-8, 18 Sep 71
Rabies prophylaxis. Johnson GM. Pediatrics 46:821-2, Nov 70
Rabies vaccines--an assessment. Kaplan C. Proc R Soc Med 64:228-31, Feb 71
An inactivated baby hamster kidney cell rabies vaccine for use in dogs and cattle. Crick J, et al. Res Vet Sci 12:156-61, Mar 71
[Anti-rabies vaccinations at the Centre Hospitalier Universitaire de Toulouse in 1968] Andrieu G. Ann Inst Pasteur (Paris) 117:293-4, Aug 69 (Fre)
[Anti-rabies vaccinations at the Centre de Montlilier in 1968] Lanotte G.
Ann Inst Pasteur (Paris) 117:291-2, Aug 69 (Fre)
[Anti-rabies vaccinations at the Institut Pasteur of Lyon in 1968] Lebeuf F.
Ann Inst Pasteur (Paris) 117:286-8, Aug 69 (Fre)
[Anti-rabies vaccinations at the Institut Pasteur in 1968] Lépine P, et al.
Ann Inst Pasteur (Paris) 117:280-5, Aug 69 (Fre)
[Anti-rabies vaccinations at the Centre Pasteur de Marseille in 1968] Sivan J.
Ann Inst Pasteur (Paris) 117:289-90, Aug 69 (Fre)
[Demonstration of rabies virus in immunized mice and dogs after experimental infection] Marcus I, et al. Dtsch Tieraerztl Wochenschr 78:320-5, 1 Jun 71 (Ger)
[Pre-infection protective rabies vaccination of domestic animals in the light of results in recent research] Wachendörfer G.
Wien Tieraerztl Monatsschr 57:51-61, Feb 70 (Ger)
[Non-specific defense reactions in the central nervous system following antirabies vaccination] Gorshunova LP, et al. Vopr Virusol 15:610-2, Sep-Oct 70 (Rus)
[Antigenic activity of dry sucrose antirabies vaccine from sheep brain] Morogova VM, et al.
Vopr Virusol 15:197-9, Mar-Apr 70 (Rus)
[Dynamics of antibodies in vaccination with dried, completely inactivated rabies vaccine prepared from sheep brain] Morogova VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:121-3, Oct 70 (Rus)
[Occurrence of rabies despite vaccination] Sipahioglu H. Turk Tip Cemiy Mecm 36:246-9, May 70 (Tur)
[Mechanism of interference of antibodies during immunization against rabies] Lisianyf NI.
Mikrobiol Zh 33:196-200, Mar-Apr 71 (Ukr)
[Biology of attenuated mumps, rubella, measles and rabies viruses. Comparative considerations on the methods of attenuation of their virulence] Ciaccio G.
Riv Biol 63:87-129, Jan-Mar 70 (Mul)

ADMINISTRATION & DOSAGE

Oral vaccination of foxes against rabies. Baer GM, et al. Am J Epidemiol 93:487-90, Jun 71
Rabies prophylaxis. The physician's dilemma. Rose NJ, et al. Arch Environ Health 23:57-60, Jul 71
Rabies vaccination in cats. Abelseth MK.
J Am Vet Med Assoc 159:Suppl 2:1003+, 15 Mar 71
Antibody responses in cattle vaccinated with various rabies vaccines. Dreesen DW, et al.
J Am Vet Med Assoc 157:226-30, 15 Sep 70
Rabies prophylaxis in hemophilia. Smith CM, et al. JAMA 216:2016, 21 Jun 71
Sarcoma blockade in vivo. Rabies-Rous system in chickens. Desai SM. Nature (Lond) 228:460-1, 31 Oct 70
The problem of rabies prophylactic therapy: case report and review of literature. Garfield HI, et al. South Med J 64:157-60, Feb 71
[Reduction of the classical schedule of rabies vaccine treatment] Gamet A, et al.
Presse Med 79:1113-4, 15 May 71 (Fre)
[Studies on inactivated rabies tissue culture vaccines in animals. II. Studies on immunization of cattle] Barth R, et al.
Berl Munch Tieraerztl Wochenschr 84:167-72, 1 May 71 (Ger)
[Immunological prevention of rabies: experimental evaluation of vaccination schedules. Preliminary note] Del Vecchio V, et al.
Nuovi Ann Ig Microbiol 21:137-49, Mar-Apr 70 (Ita)

ADVERSE EFFECTS

Complications of anti-rabies treatment. Timm H, et al. Ger Med Mon 1:10-6, Spring 71 (87 ref.)
Encephalitis with catatonic schizophrenic symptoms. Kim CH, et al. Ill Med J 138:503-7, Nov 70
Rabies pre-exposure immunization in the "allergic" individual. Loofbourow JC, et al.
J Occup Med 12:295-8, Aug 70
Polyneuritis--a complication of antirabic vaccination. Vaidya CH, et al. J Postgrad Med 16:132-4, Jul 70
Incomplete transverse myelitis following rabies duck embryo vaccination. Harrington RB, et al.
JAMA 216:2137-8, 28 Jun 71
[Evaluation of side-effects of Hempt's vaccine using electroencephalography] Doutlik S, et al.
Cas Lek Cesk 110:59-61, Jan 71 (Cze)
[Cerebral venous thrombosis and oral contraception] Rohmer F, et al.
Rev Neurol (Paris) 124:33-53, Jan 71 (Fre)
[Rabies: prophylaxis and treatment. Apropos of a case of postvaccinal encephalomyelitis] Saint-Denis P, et al. Union Med Can 97:1275-9, Sep 68 (Fre)
[Complications in rabies vaccination] Timm H, et al. Dtsch Med Wochenschr 95:2135-40, 16 Oct 70 (87 ref.) (Ger)
[EEG in the course of anti-rabies immunization with Hempt's vaccine] Timm H, et al.
Dtsch Med Wochenschr 95:2108-15, 16 Oct 70 (Ger)
[Role of toxins of several saprophytic microbes in the etiology of experimental neuroparalytic diseases] Reznik SR, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:81-6, Apr 70 (Rus)
[Neurological complications after the administration of newborn mouse brain antirabies vaccine] Held JR, et al. Bol Of Sanit Panam 71:50-9, Jul 71 (Spa)

ISOLATION & PURIFICATION

A trial to develop a purified antirabies vaccine. Shokeir AA. Ann Soc Belg Med Trop 48:613-23, 1968

PHARMACODYNAMICS

[Immunogenesis and non-specific factors of natural resistance. VI. Changes in animal serum properdin concentration following immunization with different vaccinating preparations] Pleistiyi DF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:17-21, Sep 70 (Rus)

THERAPEUTIC USE

Rabies immunity in vaccinated cattle. Hubbard HB. Proc US Anim Health Assoc 73:307-22, 1969
[Early treatment and indication rules for persons exposed to rabies] Förster E, et al.
Z Aerztl Fortbild (Jena) 63:1298-302, 15 Dec 69 (Ger)

RABIES VIRUS (B4)

Vesicular stomatitis and related viruses. Howatson AF. Adv Virus Res 16:195-256, 1970 (158 ref.)
Rabies virus. Matsumoto S.
Adv Virus Res 16:257-301, 1970 (132 ref.)
Susceptibility of carnivora to rabies virus administered orally. Bell JF, et al. Am J Epidemiol 93:176-82, Mar 71
Treatment of controlled pore glass with poly(ethylene oxide) to prevent adsorption of rabies virus. Hiatt CW, et al. J Chromatogr 56:362-4, 7 Apr 71
[In vivo inhibition of rabies virus multiplication by an endogenous interferon] Atanasiu P, et al.
Ann Inst Pasteur (Paris) 119:767-77, Dec 70 (Fre)
[Possible interference between some ribonucleic acid viruses and rabies virus] Vieuchange J.
Bull Acad Natl Med (Paris) 154:825-9, 1-8 Dec 70 (Fre)
[Interference between Newcastle disease virus and rabies virus in rabbits: utilization of this phenomenon in the prevention of experimental rabies] Vieuchange J, et al.
C R Acad Sci [D] (Paris) 271:734-6, 24 Aug 70 (Fre)
[Rct40-marker of fixed rabies virus] Selimov MA, et al.
Vopr Virusol 15:161-5, Mar-Apr 70 (Rus)

CLASSIFICATION

Two African viruses serologically and morphologically related to rabies virus. Shope RE, et al.
J Virol 6:690-2, Nov 70

DRUG EFFECTS

[Ribonuclease effects on rabies fixed virus] Fediuk EA. Mikrobiol Zh 32:744-6, Nov-Dec 70 (Ukr)

GROWTH & DEVELOPMENT

[Replication of fixed rabies virus in cellular suspension] Tsiang H, et al.
C R Acad Sci [D] (Paris) 272:897-900, 8 Feb 71 (Fre)
[Rabies virus strains in various tissue culture systems] Barth R, et al.
Zentralbl Veterinaermed [B] 17:363-80, Mar 70 (Ger)
[The biology of the rabies virus in tissue cultures in relation to the slow infection of the animal and of man] Ciaccio G.
Riv Biol 63:221-53, Apr-Jun 70 (79 ref.) (Mul)

IMMUNOLOGY

Immunofluroescence study on the pathogenesis of fixed rabies virus respiratory infection in suckling mice. Hronovský V. Acta Virol (Praha) 15:58-64, Jan 71
Primary stimulation of specific neutralizing antibodies in sheep by active fixed rabies virus in lipoid adjuvant. Sionim D, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:137-47, 1971
[Immuno-precipitation of various antigen fractions of fixed and street rabies virus maintained on young mouse brain] Atanasiu P, et al.
Rev Immunol (Paris) 35:7-16, Jan-Mar 71 (Fre)
[Interference phenomenon between street rabies virus and poliovirus in tissue cultures] Maksumov SS.
Lab Delo 4:223-5, 1970 (Rus)

ISOLATION & PURIFICATION

Isolation of rabies-like virus from murine rodents. Sodja I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:229-30, 1971
Isolation of temperature-sensitive conditional lethal mutants of "fixed" rabies virus. Clark HF, et al. J Virol 7:295-300, Mar 71
[Pathobiology of rabies] Atanasiu P, et al.
Laval Med 40:618-24, Sep 69 (Fre)
[Fluorescence serological demonstration of rabies virus strain Flury-LEP in the brain. II. Experiments on dogs] Weinhold E, et al.
Berl Munch Tieraerztl Wochenschr 83:30-2, 15 Jan 70 (Ger)
[Immunofluorescence in the diagnosis of rabies. I. Search for rabies virus (Flury LEP and CVS fixed virus) in the brain of guinea pigs inoculated intramuscularly] Ravaioli L, et al.
Arch Vet Ital 21:421-30, 31 Dec 70 (Ita)

PATHOGENICITY

Some biological properties of rabies-like isolates from murine rodents. Sodja I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:231, 1971

RACCOONS (B2)

Rabies in a raccoon. Cappucci D Jr.
J Am Vet Med Assoc 157:1082-3, 15 Oct 70

ANATOMY & HISTOLOGY

Fine structure of the corpus luteum of the raccoon during pregnancy. Sinha AA, et al.
Z Zellforsch Mikrosk Anat 117:35-45, 1971

METABOLISM

Occurrence of 22Na in medium-sized animals. Gabay JJ, et al. Health Phys 18:429-31, Apr 70

RACE RELATIONS (I)

see also related
CIVIL RIGHTS (I, N3)

Urban problems and the community mental health center: multiple mandates, difficult choices. 3. Race relations: a pervasive issue. Herbert AB, et al. Am J Orthopsychiatry 41:158-67, Jan 71
The social psychiatry of Frantz Fanon. (Fanon F), Adams PL. Am J Psychiatry 127:809-14, Dec 70
Problems of black psychiatric residents in white training institutes. Jones BE, et al.
Am J Psychiatry 127:798-803, Dec 70
Beware of whites bearing gifts. Melchiode G, et al. Am J Psychiatry 127:803-6, Dec 70
Reflections on racism. Prudhomme C.
Am J Psychiatry 127:815-7, Dec 70
Dimensions of institutional racism in psychiatry. Sabshin M, et al. Am J Psychiatry 127:787-93, Dec 70
Ability to alter skin color: some implications for American society. Henshel RL.
Am J Sociol 76:734-42, Jan 71

Uncle Tom and Mr. Charlie: metaphysical pathos in the study of racism and personal disorganization. McCarthy JD, et al. Am J Sociol 76:648-72, Jan 71
Black and white in international perspective. Klineberg O. Am Psychol 26:119-28, Feb 71
Institutional racism: a problem for psychology? Senn DJ, et al. Am Psychol 26:671-4, Jul 71
Black is beautiful. Gearhart LP, et al. Arch Gen Psychiatry 24:479-84, May 71
Personal and professional responsibilities related to current social problems. Matthews J. ASHA 13:331-3, Jun 71
Mental health services to a racially troubled school. Harris JO. Hosp Community Psychiatry 22:140-3, May 71
Effects of desegregation of a state hospital system on rates of treated mental illnesses. Gorwitz K, et al. HSMHA Health Rep 86:34-45, Jan 71
Influence of race on the manifestation of leadership. Fenelon JR, et al. J Appl Psychol 55:353-8, Aug 71
The facilitation of White-Black communication. Daniel JL. J Commun 20:134-41, Jun 70
Black Power and the Negro. Armstrong WT. J Natl Med Assoc 63:137 passim, Mar 71
Through stormy waters under full sail. Address of the retiring president. Hill JW. J Natl Med Assoc 62:413-5, Nov 70
Black psychiatry one year after Miami. Pierce CM. J Natl Med Assoc 62:471-3, Nov 70
Reflections on racism. Prudhomme C. J Natl Med Assoc 63:138-9, Mar 71
Race versus belief similarity as determinants of attraction: a search for a fair test. Hendrick C, et al. J Pers Soc Psychol 17:250-8, Mar 71
The utility of behavior management techniques in changing interracial behaviors. Williams RL, et al. J Psychol 77:127-38, Jan 71
Authoritarianism and race attitudes in South Africa. Colman AM, et al. J Soc Psychol 82:161-4, Dec 70
Attribution of blame, feelings of anger, and direction of aggression in response to interracial frustration among poverty-level female Negro adults. Forbes GB, et al. J Soc Psychol 83:73-8, Feb 71
Authoritarianism and racial attitudes among English-speaking South Africans. Orpen C. J Soc Psychol 84:301-2, Aug 71
Racism, the family, and society: a crisis in values. Eisenberg L. Ment Hyg 52:512-20, Oct 68
Yellow youth's psychological struggle. Maruyama M. Ment Hyg 55:382-90, Jul 71
An "identity crisis" in black Americans visiting West Africa. Messer AA. Ment Hyg 55:375-81, Jul 71
Community participation and control. A possible answer to racism in health. Cornely PB. Milbank Mem Fund Q 48:347-62, Apr 70
Patterns of Negro-white residential segregation. Taeuber KE. Milbank Mem Fund Q 48:69-96, Apr 70
Psychotherapy, social pathology, and social change. Clark KB. Proc Am Psychopathol Assoc 59:203-11, 1970
Value judgments and judgments about values: a reply to Sawyer. Crawford TJ. Psychiatry 34:99-102, Feb 71
Relative deprivation: a politically-biased concept? Sawyer J. Psychiatry 34:97-9, Feb 71
Interracial marriage attitudes among high school students. Martelle DL. Psychol Rep 27:1007-10, Dec 70
Measuring racial attitudes in a situational context. Sedlacek WE, et al. Psychol Rep 27:971-80, Dec 70
Black power and future research. Symonds JD. Rehabil Rec 12:32-4, Mar-Apr 71
Authoritarianism, age and black militancy. House JS, et al. Sociometry 34:174-97, Jun 71
[Segregationist thought] Didier A. Evol Psychiatr (Paris) 36:31-72, Jan-Mar 71 (Fre)
[Racial equality--racial mixing? Anthropological principles] Ziegelmayer G. Stud Gen (Berl) 24:176-90, 1971 (Ger)

HISTORY

Benjamin Rush and the Negro. (Rush B), Plummer BL. Am J Psychiatry 127:793-8, Dec 70
The sane slave. An historical note on the use of medical diagnosis as justificatory rhetoric. Szasz TS. Am J Psychother 25:228-39, Apr 71

RACEMASES see under ISOMERASES (D9)

RACHITIS see RICKETS (C3, C13)

RACIAL STOCKS (I)

Sta-tens from world physical measurements for intercorrelation of individuals and races. Casey AE, et al. Ala J Med Sci 7:461-5, Oct 70
Race as a variable in hearing screening. Tenney HK 3d, et al. Am J Dis Child 120:547-50, Dec 70
Polymorphism of the C line of palmar dermatoglyphics with a new classification of the C line terminations. Plato CC. Am J Phys Anthropol 33:413-9, Nov 70
Race, social status, and criminal arrest. Green E. Am Sociol Rev 35:476-90, Jun 70
The estimation of admixture in racial hybrids. Elston RC. Ann Hum Genet 35:9-17, Jul 71
A distinctive pigment of the skin in New Guinea indigenes. Walsh RJ. Ann Hum Genet 34:379-88, May 71
Assessment of gestational age in white and non-white infants. Dubowitz L. Arch Dis Child 46:398, Jun 71
Crowding and spacing within the human dental arch of different racial groups. Lavelle CL. Arch Oral Biol 15:1101-3, Nov 70
Racial distribution of institutionalized mongoloids. Moore BC, et al. Ariz Med 27:4-5, Dec 70
Ethnic differences in natural melanoproteins. Wassermann HP. Dermatologica 141:44-8, 1970
Cancer death rates by site and sex for religious and socioeconomic groups in New York City. Seidman H. Environ Res 3:234-50, Jul 70
Age changes in the human liver of the different races. Sato T, et al. Gerontologia 16:365-80, 1970
Differences in growth of the dental arch in some 'races' of man. Lavelle CL, et al. J Anat 107:182-3, Jul 70
Geographical variations in senile osteoporosis. The association with physical activity. Chalmers J, et al. J Bone Joint Surg [Br] 52:667-75, Nov 70
The rising incidence of cancer of the pancreas--further epidemiologic studies. Krain LS. J Chronic Dis 23:685-90, Mar 71
Tooth form as a distinguishing trait between sexes and human populations. Rosenzweig KA. J Dent Res 49:Suppl:1423-6, Nov-Dec 70
The value of Gm typing of determining the racial origin of blood stains. Blanc M, et al. J Forensic Sci 16:176-82, Apr 71
Black is beautiful: a reexamination of racial preference and identification. Hraba J, et al. J Pers Soc Psychol 16:398-402, Nov 70
Racial and geographic factors in diabetes. Jackson WP. Lancet 1:601-2, 20 Mar 71
Yellow youth's psychological struggle. Maruyama M. Ment Hyg 55:382-90, Jul 71
The effects of race and occupation on hypertension mortality. Howard J, et al. Milbank Mem Fund Q 48:263-96, Jul 70
Races and their attributes. Reinke R. N Engl J Med 284:341, 11 Feb 71
Fear of enlightenment. Bodmer WF, et al. Nature (Lond) 229:71-2, 1 Jan 71
Racial significance in pyloric stenosis. Klein A, et al. S Afr Med J 44:1131, 3 Oct 70
Early racial and cultural identifications in southwestern Alaska. Aigner JS, et al. Science 171:87-90, 8 Jan 71
Excessive anonymity. Gershowitz H. Science 172:427, 30 Apr 71
Intellectual development of children from interracial matings. Willerman L, et al. Science 170:1329-31, 18 Dec 70
[Racial equality--racial mixing? Anthropological principles] Ziegelmayer G. Stud Gen (Berl) 24:176-90, 1971 (Ger)
[Etiology of significantly lower frequency of essential hypertension in white men in comparison with that in Negroes] Stigler R. Verh Dtsch Ges Kreislaufforsch 32:158-61, 1966 (Ger)

RADAR (H)

The defeat of the tail-gater. J Forensic Sci Soc 11:67-8, Apr 71
Detection of left-ventricular-wall motion disorders in coronary-artery disease by radarkymography. Kazamias TM, et al. N Engl J Med 285:63-71, 8 Jul 71
Trials with a transponding acoustic fish tag tracked with an electronic sector scanning sonar. Walker MG, et al. Nature (Lond) 229:196-8, 15 Jan 71
[Eventual biological and physiopathological effects of UHF electromagnetic radiation from "aerial radar"] Joly R, et al. Rev Corps Sante Armees 10:239-59, Jun 69 (Fre)
[Assessment of the temperature status of radiolocation station specialists] D'iachenko NA. Voen Med Zh 12:42-4, Dec 70 (Rus)
[Prevention of functional disorders of the cardiovascular system in operators of radar stations] D'iachenko NA. Voen Med Zh 9:45-7, Sep 70 (Rus)

ADVERSE EFFECTS

Radar-induced failure of a demand pacemaker. Yatteau RF. N Engl J Med 283:1447-8, 24 Dec 70
[Pathologic effects of U.H.F. electromagnetic radiation from Aeriens radar. A case report] Doury P, et al. Sem Hop Paris 46:2681-3, 20 Oct 70 (Fre)
[Biological effects of radar waves on the human organism. 2] Battarra P. Minerva Med 61:4041-3, 19 Sep 70 (Ita)
[Intensity of microwave radiation in radar units and changes in the blood picture in radar operators] Dordevic Z, Vojnosanit Pregl 27:538-41, Nov 70 (Cro)
[Comparative electroencephalographic and clinical neurological studies in radar operators] Gazivoda N. Vojnosanit Pregl 27:542-5, Nov 70 (Cro)

RADIAL NERVE (A8)

Neuropathy from old retained freign bodies (glass) in the forearm: report of a case. Fisher DE, et al. Clin Orthop 74:146-8, Jan 71
Island flap innervated by radial nerve for restoration of sensation in an index stump. Case report. Lie KK, et al. Plast Reconstr Surg 47:386-8, Apr 71
[Nontraumatic paralysis of the deep branch of the radial nerve] Steidl L. Cas Lek Cesk 110:70-1, Jan 71 (Cze)
[Neuritis rami profundi n. radialis] Steidl L, et al. Rozhl Chir 49:602-4, Nov 70 (Cze)
[Influence of adrenaline on the antidromic potential amplitude of the superficial radial nerve provoked by cuneiform nucleus stimulation. Possible role of the area postrema] Vigier D, et al. J Physiol (Paris) 62:Suppl 3:462, 1970 (Fre)
[Studies of the impulse pattern of peripheral nerves during dynamic pressure stimulation of skin] Maier R. Acta Biol Med Ger 24:847-56, 1970 (Ger)
[Treatment of carpal tunnel syndrome with glutamic acid iontophoresis] Boykikeva SA, et al. Beitr Orthop Traumatol 17:491-2, 1970 (Ger)
[Pathogenesis and therapy of non-traumatic paralysis of ramus profundus nervi radialis] Bronisch FW. Nervenarzt 42:32-5, Jan 71 (Ger)
[Transient radial palsy following muscular effort] Lotem M, et al. Harefuah 78:490-1, 15 May 70 (Heb)
[Painful pronation in children] Pedrocca A, et al. Minerva Pediatr 22:1775-80, 1 Sep 70 (Ita)
[3 cases of palsy of the deep branch of the radial nerve due to forced hyperextension of the elbow joint] Furusawa S, et al. Orthop Surg (Tokyo) 22:59-61, Jan 71 (Jap)

ABNORMALITIES

Anomalies in the pathways of medial and lateral popliteal and radial nerves. Campbell IT. Cent Afr J Med 16:223-5, Oct 70

ANATOMY & HISTOLOGY

[The musculus supinator and its relation to the ramus profundus nervi radialis] Dordevic-Camba V, et al. Srp Arh Celok Lek 98:729-35, May 70 (Ser)

INJURIES

Radial palsy following muscular effort. A nerve compression syndrome possibly related to a fibrous arch of the lateral head of the triceps. Lotem M, et al. J Bone Joint Surg [Br] 53:500-6, Aug 71
[Must humeral diaphysial fractures associated with radial paralysis be operated on?] Deburge A, et al. Rev Chir Orthop 57:Suppl 1:247+, 1971 (Fre)
[Surgical indications in lesions of the radial nerve associated with fracture of the humerus] Sebastiani C, et al. Arch Putti Chir Organi Mov 25:102-9, 1970 (Ita)

PHYSIOLOGY

Climbing fibre pathways from the forelimbs to the paramedian lobule of the cerebellum. Armstrong DM, et al. Brain Res 25:199-202, 8 Jan 71
Distribution in the anterior lobe of the cerebellum of branches from climbing fibres to the paramedian lobule. Armstrong DM, et al. Brain Res 25:203-6, 8 Jan 71
Spontaneous activity of cerebellar Purkinje cells and their responses to impulses in climbing fibres. Latham A, et al. J Physiol (Lond) 213:135-56, Feb 71
Somatosensory responses of bulboreticular units in awake cat: relation to escape-producing stimuli. Casey KL. Science 173:77-80, 2 Jul 71
[Lumbar responses evoked by stimulation of the superficial radial nerve in the spinal cat] Djalali E, et al. J Physiol (Paris) 1:Suppl 1:121, 1969 (Fre)
[Microneurographic analysis of the nerve fiber spectrum in nerve fascicles from human skin] Hallin RG, et al. Nord Med 85:635, 20 May 71 (Swe)

PHYSIOPATHOLOGY

Changes in sensory acuity following radial nerve biopsy in patients with leprosy. Pearson JM, et al. Brain 94:43-50, 1971
Rate of recovery in motor and sensory fibres of the radial nerve: clinical and electrophysiological aspects. Trojaborg W. J Neurol Neurosurg Psychiatry 33:625-38, Oct 70

SURGERY

[Evaluation of the 'loyes' method in the treatment of radial nerve paralysis] Fujiwara A, et al. Orthop Surg (Tokyo) 21:954-6, Oct 70 (Jap)

RADIATION (H)

see also related
ATOMIC WARFARE (I)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

roradiography. Wolfe JN.
m Fam Physician GP 2:98-9, Oct 70
adiated PVC plastic and gas sterilization in the
roduction of tracheal stenosis following
racheostomy. Lipton B, et al.
nesth Analg (Cleve) 50:378-86, Jul-Aug 71
diation thresholds. Brues AM.
rch Environ Health 22:690-1, Jun 71
e National Health and Medical Research Council. A
view of publications relating to matters of radiation
ealth. Australas Radiol 14:451-3, Nov 70
iological synthesis of adenosine 2'-, 3'- and
'-monophosphates using recoiled 31P atoms obtained
rom the beta-decay of 31Si. Akaboshi M, et al.
iochim Biophys Acta 238:5-7, 29 Apr 71
fects of gamma rays on eggs of Culex pipiens
atigans, Wied, 1928. Oliveira ML de, et al.
ull Calcutta Sch Trop Med 17:12-3, Jan 69
andom interval generator using beta ray emission.
armeliet J, et al.
lectroencephalogr Clin Neurophysiol 30:354-6, Apr
1
9 Annual Report to the Congress on the
dministration of the Radiation Control for Health
nd Safety Act of 1968 Public Law 90-602.
nviron Health Ser [Radiol Health] 1-54, 1 Apr 70
9 Annual Report to the Congress on the
dministration of the Radiation Control for Health
nd Safety Act of 1968 Public Law 90-602. Report to
he Congress on studies conducted pursuant to
ection 357 of the Radiation Control for Health and
afety Act of 1968 Public Law 90-602.
nviron Health Ser [Radiol Health] Suppl 1:1-42, 1
pr 70
dies on the natural background radiation in Italy.
ardinale A, et al. Health Phys 20:285-96, Mar 71
thods of localised irradiation of material by low
nergy or short range charged particles. Chuang LS.
ealth Phys 19:439-42, Sep 70
enuation of 4-32 MV x-rays in ordinary concrete,
eavy concrete, iron and lead. Maruyama T, et al.
ealth Phys 20:277-84, Mar 71
ew procedure for purifying water for radiation
emistry. Sassé RA. Health Phys 19:675-9, Nov 70
alpha detector insensitive to high neutron and
amma backgrounds and temperature. Splichal WF Jr.
ealth Phys 19:576-7, Oct 70
ransmission line model for the optical transfer of
otropic scattering media. Pollak V.
EE Trans Biomed Eng 17:287-91, Oct 70
energy budget of man at high altitudes. Terjung
H. Int J Biometeorol 14:13-43, Mar 70
overy from the inhibitory effect of x-radiation on
ethan lung adenomageneis. Bartlett GL.
t J Cancer 6:56-62, 15 Jul 70
ditative difference between bleomycin and
diation effects on cell viability. Endo H.
Antibiot (Tokyo) 23:508-10, Oct 70
effect of frozen irradiated bone homografts on the
aling of defects in the mandible and femur of the
. Cleaton-Jones PE, et al.
Bone Joint Surg [Br] 53:533-40, Aug 71
tical distribution of the intensity of ionization due
terrestrial gamma-radiation. Minato S, et al.
Radiat Res (Tokyo) 11:138-44, Sep-Dec 70
imple mathematical model for life-shortening by
diation. Sato F, et al.
Radiat Res (Tokyo) 11:145-80, Sep-Dec 70
dical uses of radiation. Sagan LA.
MA 215:1977-8, 22 Mar 71
parison between the free-air ionization chamber of
e Health Physics Laboratory of the C.N.E.N. of
logna and the chambers of other European
oratories. Busuoli G, et al.
serva Fisicomuci 18:28-31, Jan-Mar 71
ethod for mapping the spatial distribution of
pping pi-mesons in tissue. Sperinde J, et al.
ys Med Biol 15:649-7, Oct 70
determination of x-ray spectra using attenuation
asurements and a computer program. Twidell JW.
ys Med Biol 15:529-39, Jul 70
retical continuous and L-characteristic x-ray
ctra for tungsten target tubes operated at 10 to
V. Unsworth MH, et al.
ys Med Biol 15:631-30, Oct 70
rimental continuous and L-characteristic x-ray
ctra for tungsten target tubes operated at 15 to
V. Unsworth MH, et al.
ys Med Biol 15:631-42, Oct 70
gy dissipation near an interface: a more realistic
roach to electron range and stopping power.
arlton DE. Radiat Res 44:575-93, Dec 70
udy of human radiation sensing and dark
ptometry using X-rays. Hellerstein LJ, et al.
diat Res 44:629-36, Dec 70
sfer of radiation energy from macromolecules to
ir compounds. A comparison between the
ping efficiency of a thiol and its corresponding
lfide. Sanner T. Radiat Res 44:594-604, Dec 70
ation exposure in air travel. Schaefer HJ.
ence 172:790-2, 27 Aug 71
sun, a variable star] Ostoya P.
Cell Mol Biol Paris 16:211-2, 15 Apr 69 (Fre)
cription of radiation fields by means of separation
of primary and scattered radiation. V. Calculation of the dose distribution of divergent photon radiation fields] Schoknecht G.
Strahlentherapie 141:409-16, Apr 71 (Ger)
[Measurement of standard ion dose in compact and liquid media during roentgen and gamma-irradiation with energies between 50 keV and 3 MeV. VII. Results of measuring standard ion dose in compact and liquid media using the hollow ionization chamber] Will W, et al. Strahlentherapie 141:421-4, Apr 71 (Ger)
[Approximation of single scattering in the calculation of the exposure intensity due to backscattering of x-rays] Bottino A, et al.
Minerva Fisiconucl 15:1-14, Jan-Mar 71 (Ita)
[Alarmism caused by radiations] De Bortoli M.
Minerva Fisiconucl 14:213-4, Oct-Dec 70 (Ita)
[Radioactive substances] Eto H.
Naika 27:887-91, May 71 (Jap)
[Vavilov-Cerenkov radiation in a medium containing biopolymers] Barenbofm GM, et al.
Biofizika 16:181-8, Mar-Apr 71 (Rus)
[Animals' avoidance reaction to radiation fields] Darenskaia NG, et al.
Biull Eksp Biol Med 65:32-7, Apr 68 (Rus)

CLASSIFICATION

[Definitions in radiation] Fitzgerald GM.
ADM 28:75-84, Jan-Feb 71 (Spa)

HISTORY

Reception of Röntgen's discovery in Britain and U.S.A. (Röntgen CW), Posner E. Br Med J 4:357-60, 7 Nov 70
Professor Rontgen's discovery. By A.A.C. Swinton. Nature, January 23, 1896. (Röntgen WC).
Radiography 36:189-90, Aug 70
On a new kind of rays. By W.C. Rontgen. Translated by Arthur Stanton from the Sitzungsberichte der Würzburger Physic-medic.Gesellschaft, 1895. Nature, January 23, 1896. (Röntgen WC).
Radiography 36:185-8, Aug 70

INSTRUMENTATION

The UT-AEC agriculture research laboratory variable gamma dose rate facility. Cheka JS, et al.
Health Phys 20:239-43, Mar 71
[Use of ionization chamber for control of the specific activity of gas and liquids] Kaftal S, et al.
Minerva Fisiconucl 15:15-9, Jan-Mar 71 (Ita)

STANDARDS

Radiation standards: are the right people making decisions? Boffey PM. Science 171:780-3, 26 Feb 71
Standards. Forscher F. Science 172:653-5, 14 May 71

RADIATION BIOLOGY see RADIOBIOLOGY (G1)

RADIATION CHIMERA (G1)

Comparison of colony-forming performance of bone marrow cells in syngeneic and allogeneic cellular environment within a single host. Lengerová A, et al.
Folia Biol (Praha) 16:385-90, 1970
Thymus grafting in allogeneic radiation chimaeras. Hraak L, et al. Immunology 20:209-18, Jan 71
Modification of an incompatible graft-versus-host relationship by admixture of grafts with F1 haemopoietic cells. Barnes CA, et al.
Int J Radiat Biol 18:547-58, 1970
90Sr-induced osteosarcomas in radiation chimaeras. Barnes DW, et al. Int J Radiat Biol 18:531-7, 1970
The proliferation of transplanted haematopoietic cells derived from bone marrow and foetal liver. Thomas DB, et al. J Anat 107:194-5, Jul 70
Synergism of thymus and bone marrow in the production of graft-versus-host splenomegaly in x-irradiated hosts. Hilgard HR. J Exp Med 132:317-28, 1 Aug 70
Antigen-specific synergism in the immune response of irradiated mice given marrow cells and peritoneal cavity cells or extracts. Kennedy JC, et al.
J Exp Med 132:353-67, 1 Aug 70
Colony inhibition of fibroblasts from chimeric dogs mediated by the dogs' own lymphocytes and specifically abrogated by their serum. Holmström I, et al. Proc Natl Acad Sci USA 68:65-71, May 70
Mortality and gross pathology of secondary disease in germfree mouse radiation chimeras. Jones JH, et al.
Radiat Res 45:577-88, Mar 71
Experimental evaluation of tumor bed effect for C3H mouse mammary carcinoma and for C3H mouse fibrosarcoma. Urano M, et al.
Radiat Res 45:61-9, Jan 71
Chimaerism and mortality of irradiated mice injected with allogeneic spleen and bone marrow cells. Boranić M, et al. Rev Eur Etud Clin Biol 16:161-6, Feb 71
Osteogenic precursor cells of bone marrow in radiation chimeras. Friedenstein A, et al.
Transplantation 12:99-108, Aug 71
[Effect of thymectomy on anamnestic reaction of isogenic radiation chimeras] Jouard J, et al.
Ann Inst Pasteur (Paris) 120:787-78, Jun 71 (Fre)
[Interaction between thymic and medullary cells of mice; influence of the line of origin of the thymic cells] Umaiy RC, et al.
C R Acad Sci [D] (Paris) 272:1917-9, 5 Apr 71 (Fre)
[Immunogenetic aspects of marrow cell transplantation in rats after administration of myleran] Dunjic A, et al.
Pathol Biol (Paris) 18:871-80, Oct 70 (Fre)
[Quantitative regularities of the regeneration of the blood-forming tissue in radiation chimeras] Zarecka JM, et al.
Radiobiol Radiother (Berl) 11:457-64, 1970 (Ger)
[A chromosomal analysis of stem cell inactivation following transplantation of a mixture of bone marrow from genetically different donors] Khaitov RM. Biull Eksp Biol Med 69:88-91, Jan 70 (Rus)
[Isoenzyme spectrum of lactate dehydrogenase in xenogenic radiation chimeras] Maisaskii DN.
Biull Eksp Biol Med 70:47-50, Jul 70 (Rus)
[Role of lymphocytes in the dedifferentiation of stem hematopoietic cells] Goloviatkov IN, et al.
Dokl Akad Nauk SSSR 194:1250-10, 1970 (Rus)
[Cytogenetic analysis of the phenomenon of nonsyngeneic stem cell inactivation] Petrov RV, et al.
Dokl Akad Nauk SSSR 189:1371-3, 21 Dec 69 (Rus)
[Morphofunctional changes of the endocrine glands in experimental radiation chimeras] Zaseeva KK, et al.
Dokl Akad Nauk SSSR 193:703-5, 1970 (Rus)
[Formation of antiviral antibodies by spleen cells stimulated by an antigen in vitro, after transplantation to newborn and irradiated recipients] Nepomniashchif IuZ, et al.
Vopr Virusol 16:31-5, Jan-Feb 71 (Rus)

PREVENTION & CONTROL

[Protective effect of bone marrow in prolonged irradiation with constant or decreasing dosage] Khaitov RM.
Radiobiologiia 11:96-101, Jan-Feb 71 (Rus)

RADIATION COUNTERS see under RADIOMETRY (E1)

RADIATION DETECTION see under RADIATION MONITORING (E1, G3)

RADIATION EFFECTS (G3)

Effect of radiation on the reproductive system of the Indian catfish, Heteropneustes fossilis (Bloch). I. Annual cycle in the development of ovarian eggs. Srivastava PN, et al. Acta Anat (Basel) 79:114-25, 1971
The influence of beta-radiation of tritium on the excitation and ion content of the striated muscle. Rayed E, et al.
Acta Biochim Biophys Acad Sci Hung 5:333-9, 1970
Some aspects of oxidative-reductive changes in chloroplast suspensions during the process of ageing. Raafat A, et al.
Acta Biochim Biophys Acad Sci Hung 5:265-72, 1970
The effect of x-rays on the cell stimulation of DNA-dependent RNA synthesis in vitro. Simon J, et al. Acta Biochim Biophys Acad Sci Hung 5:273-7, 1970
Cerebral radiosurgery. II. An anatomical study of gamma radiolesions. Wennerstrand J, et al.
Acta Chir Scand 136:133-7, 1970
Persistent tumor cells in the vaginal smears and prognosis of cancer of the radiated cervix. Jorge Campos R, de C.
Acta Cytol (Baltimore) 14:319-22, Sep-Oct 70
A study on lymphocyte transformation in light dermatoses. Preliminary report. Horky I, et al.
Acta Derm Venereol (Stockh) 51:269-70, 1971
Ultraviolet light inflammation and C-reactive protein in a case of actinolucocytosis with erythrocytes. Kissmeyer CO, et al. Acta Derm Venereol (Stockh) 51:219-4, 1971
Comparative biological effects of 125-I and 131-I on the rat thyroid. Vichery AL Jr, et al.
Acta Endocrinol (Kbh) 66:201-12, Feb 71
A mathematical analysis of endogenous-spleen-colony-formation in irradiated mice. Ueno Y. Acta Haematol Jap 33:291-8, Jun 70
Early alterations of the irradiated lung: evaluation of scans. Giammardi G, et al.
Acta Ist (Padova) 9:463-7, 30 Sep 69
Pathologic changes in the ultrastructure of hepatocytes in the axolotl (Amblystoma tigrinum Green) under the influence of roentgen rays. Turska R. Acta Med Pol 12:221-3, 1971
Cleft palate and/or ectrodactylia in the mouse embryo induced on different days of pregnancy by various doses of x-rays or cyclophosphamide. Gebhardt DO.
Acta Morphol Neerl Scand 8:249-1, Feb 71
Electron microscopic observations of rat medullary reticular tissue after short-term, whole body gamma irradiation. Dodson RF.
Acta Neuropathol (Berl) 17:283-92, 1971
Cell response of the olfactory bulb to ionizing radiation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

injury. An electron microscopical study. Estable-Puig RF da, et al. Acta Neuropathol (Berl) 17:287-301, 1971
X-ray diffraction investigation on the effect of experimental and in situ radiation on mature human teeth. A preliminary report. Jervoe P.
Acta Odontol Scand 29:323-31, Nov 70
The effect of irradiation in high doses on parotid glands. Eneroth CM, et al.
Acta Otolaryngol (Stockh) 71:343-56, Apr 71
Limitations of chromosome analysis as a method for biological dosimetry of chronic external radiation and of internal exposure to therapeutic radiophosphorus. Visfeldt J.
Acta Pathol Microbiol Scand [A] 79:223-42, 1971
The in vivo spleen response to sheep erythrocytes in bursectomised-irradiated chickens. Alm GV.
Acta Pathol Microbiol Scand [B] 78:441-4, 1970
In vitro studies of chicken lymphoid cells. 1. Phytohaemagglutinin induced DNA, RNA and protein synthesis in spleen cells from control-irradiated and bursectomised-irradiated chickens. Alm GV.
Acta Pathol Microbiol Scand [B] 78:633-40, 1970
The circadian fluctuations of the amount of free phosphate and of the activity of acid phosphatase in the kidneys of mice and the effect of UV radiation upon this rhythm. Lindahl PE, et al.
Acta Physiol Scand 86:254-68, Oct 70
Leucocyte counts in normal and irradiated persons. Devik F, et al.
Acta Radiol [Diagn] (Stockh) Suppl 254:56-7, 1966
Radiation-induced effects of mouse foetuses. A preliminary report. Jacobsen L.
Acta Radiol [Diagn] (Stockh) Suppl 254:23-6, 1966
Histopathology of late local radiolesions in the goat brain. Andersson B, et al.
Acta Radiol [Ther] (Stockh) 9:385-94, Oct 70
Effects of therapeutic proton doses on healthy organs in the neck, chest and upper abdomen of the rabbit. Danielsson M, et al.
Acta Radiol [Ther] (Stockh) 10:215-24, Apr 71
Intestinal cell kinetics in irradiated mice. A quantitative investigation of the acute reaction to whole body roentgen irradiation. Devik F.
Acta Radiol [Ther] (Stockh) 10:129-48, Feb 71
Roentgen ray effects on the ovaries of foetal mice. Henricson B, et al.
Acta Radiol [Ther] (Stockh) 9:443-8, Oct 70
Depigmentation of hair in two strains of mice after single and fractionated doses of roentgen rays. Hulse EV, et al. Acta Radiol [Ther] (Stockh) 9:457-64, Oct 70
Radiation for immunosuppression in human organ transplantation. I. Experimental data. Levitt SH, et al.
Acta Radiol [Ther] (Stockh) 10:248-56, Apr 71
Radiation damage and repair in cysteamine treated cells. Littbrand B, et al.
Acta Radiol [Ther] (Stockh) 10:257-66, Apr 71
Adrenal radiation damage to chick thymus and bursa of Fabricius. Montour JL.
Acta Radiol [Ther] (Stockh) 10:150-60, Feb 71
Pathologic effects of different doses of radiostrontium in mice. Changes in the haematopoietic system. Nilsson A.
Acta Radiol [Ther] (Stockh) 9:528-44, Dec 70
Ophthalmologic observations on long-term survivors after radiotherapy for nasopharyngeal tumours. Schreyer A de, et al.
Acta Radiol [Ther] (Stockh) 10:193-208, Apr 71
Early effects of localized single doses of ionizing radiation on human bone marrow. Stefani S, et al.
Acta Radiol [Ther] (Stockh) 9:449-56, Oct 70
Mitotic changes of bone marrow after whole-body X-irradiation. Zdk M.
Acta Univ Carol [Med] (Praha) 14:139-45, 1968
Comparative studies on the properties of variola virus strains. II. Pathogenicity for suckling mice and gamma-irradiated adult white mice. Shafikova RA, et al. Acta Virol (Praha) 15:321-3, Jul 71
Electrophysiologic responses of sciatic nerves exposed to 200-KV x-rays and 47.5-MeV protons. Gaffey CT.
Adv Biol Med Phys 13:351-71, 1970
Effects of ionizing radiation on lysosomes and other intracellular membranes. Harris JW.
Adv Biol Med Phys 13:273-87, 1970 (79 ref.)
Effects of radiation on artificial lipid membranes. Kay RE, et al. Adv Biol Med Phys 13:235-53, 1970 (15 ref.)
Some aspects of radiation effects on cell membranes. Myers DK. Adv Biol Med Phys 13:219-34, 1970 (63 ref.)
Radiation exposure on high-altitude passenger flights. Schaefer HJ.
Adv Biol Med Phys 13:153-206, 1970 (86 ref.)
Role of bacterial membranes in radiosensitization. Shenoy MA, et al.
Adv Biol Med Phys 13:255-71, 1970 (47 ref.)
High oxygen effect for the release of enzymes from isolated mammalian lysosomes after treatment with ionizing radiation. Watkins DK.
Adv Biol Med Phys 13:289-305, 1970
The role of bone marrow in the immune response. Abdou NI, et al.
Adv Immunol 12:301-70, 1970 (475 ref.)
Vertebrate limb ontogeny and limb regeneration: morphogenetic parallels. Faber J.
Adv Morphog 9:127-47, 1971 (31 ref.)
The organogenesis and arrangement of cutaneous appendages in birds. Sengel P.
Adv Morphog 9:181-230, 1971 (52 ref.)
Vaccination against the canine hookworm diseases. Miller TA. Adv Parasitol 9:153-83, 1971 (121 ref.)
Brain study in balloon-borne monkeys exposed to cosmic rays. Haymaker W, et al.
Aerosp Med 41:989-1002, Sep 70
Electron microscopic changes following canine cardiac allografts: the effects of irradiation. Waymouth RJ, et al. Am J Anat 129:169-75, Oct 70
Effect of hibernation on the intestinal flora. Barnes EM. Am J Clin Nutr 23:1519-24, Nov 70
Sex ratio in offspring of survivors exposed prenatally to the atomic bombs in Hiroshima and Nagasaki. Jablon S, et al. Am J Epidemiol 93:253-8, Apr 71
Aqueous humor dynamics following pituitary irradiation in diabetic patients with retinopathy. Caygill WM. Am J Ophthalmol 71:826-7, Apr 71
Toxic effect of thermal neutrons on the rabbit electroretinogram. Krohn DL, et al.
Am J Ophthalmol 70:814-21, Nov 70
Effect of external x-irradiation on serum protein in the beagle. Panke TW, et al. Am J Physiol 220:174-8, Jan 71
Dosage tolerance of pelvic structures with cobalt 60 rotation radiation therapy. Koeck GP, et al.
Am J Roentgenol Radium Ther Nucl Med 111:280-8, Feb 71
Biophysical aspects of high LET irradiation. Rossi HH.
Am J Roentgenol Radium Ther Nucl Med 111:27-36, Jan 71
Methods for the enhancement of skin sparing in cobalt 60 teletherapy. Saylor WL, et al.
Am J Roentgenol Radium Ther Nucl Med 111:174-9, Jan 71
Effects of fast neutrons on human skin. Sheline GE, et al.
Am J Roentgenol Radium Ther Nucl Med 111:31-41, Jan 71
Effects of irradiation on avian leukosis. Loan RW, et al.
Am J Vet Res 32:947-52, Jun 71
Radiation-induced cutaneous neoplasms in a sheep. Ragan HA, et al. Am J Vet Res 32:167-72, Jan 71
The effects of infused material upon the regeneration of newt limbs. 3. Blastemal extracts and alkaline phosphatase in irradiated limb stumps. Deck JD, et al.
Anat Rec 168:525-35, Dec 70
Changes in neurochemistry and neuronal morphology after exposure of the mouse brain to lethal levels of focal irradiation. Samorajski T, et al.
Anat Rec 168:203-19, Oct 70
Comparison of radiation profiles of Achata domesticus and Tenebrio molitor. Menhinick EF, et al.
Ann Entomol Soc Am 61:1359-65, Nov 68
On the interaction of laser radiation with matter. Mandelstam SL. Ann Ist Super Sanita 5:637-44, 1969
Sensitization of damage by ultra-violet light to mammalian erythrocyte membrane. Ortu-Buselli MA.
Ann Ist Super Sanita 6:302-9, 1970
Comparison of the effects of some iodine compounds on the survival of Escherichia coli B-r irradiated with X rays and ultra-violet light. Sapora O.
Ann Ist Super Sanita 6:293-301, 1970
Microbiological determination of deoxyribose derivatives in urine. Shejbal J.
Ann Ist Super Sanita 6:106-12, 1970
Metabolism and postirradiation excretion of deoxycytidine. Shejbal J.
Ann Ist Super Sanita 6:46-61, 1970
The effect of whole body x-irradiation on delayed hypersensitivity in the rat. Visakorpi R.
Ann Med Exp Biol Fenn 48:125-30, 1970
Long-term pathological effects of prenatal x-radiation on the developing brain and postnatal manifestation of hydrocephalus in the mouse. Kameyama Y, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:49-51, 1970
Mechanisms for the differential radiosensitivity of immature brain tissue: development of hydrocephalus and allied conditions. Murakami U, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:56-7, 1970
Radiation effect on prenatal development. Murakami U, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:58-9, 1970
Effects of radiation on man. Upton AC.
Annu Rev Nucl Sci 18:495-528, 1968 (267 ref.)
Screening of grape and apple juices from 23 countries for wild radiation-resistant yeast strains. Fernández A. Antonie van Leeuwenhoek 35:Suppl:J11-2, Jun 69
Phosphorus compounds of radioresistant and radiosensitive yeasts. Pomoshnikova NA.
Antonie van Leeuwenhoek 35:Suppl:B21-2, Jun 69
The involvement of reserve polysaccharides in the metabolism of normal and irradiated yeast. Remesova TS, et al.
Antonie van Leeuwenhoek 35:Suppl:G29-30, Jun 69
Resistance of Bacillus subtilis spores to inactivation by gamma irradiation and heating in the presence of a bactericide. II. Factors affecting rates of inactivation by phenolic bactericides. Deasy PB, et al.
Appl Microbiol 20:461-4, Sep 70
Resistance of Bacillus subtilis spores to inactivation by gamma irradiation and heating in the presence of bactericide. I. Suitability of viable count procedure
Deasy PB, et al. Appl Microbiol 20:455-60, Sep
Evaluation of systemic antifungal agents in X-irradiated mice. Gordee RS, et al.
Appl Microbiol 20:234-9, Oct 70
Immunity to aerosol challenge in guinea pigs immunized with gamma-irradiated Venezuelan equi encephalitis vaccines. Reitman M, et al.
Appl Microbiol 21:688-92, Apr 71
Alpha-particle induced fibrosarcoma; light and electron microscopy study. Estable-Puig RF da, et
Arch Fund Roux Ocefa 3:163-74, 1969
Chromosomal aberrations in users of psychoacti drugs. Gilmour DG, et al.
Arch Gen Psychiatry 24:268-72, Mar 71
Photolysis of the early receptor potential (ERP) in t human retina. Zanen A, et al.
Arch Int Physiol Biochim 78:567-9, Aug 70
Pigment variations in ultraviolet-treated strains of blue-green alga Anabaena doliolum. Srivastava BS, al. Arch Mikrobiol 77:247-51, 1971
Spontaneous glomerulosclerosis in the rat. Effect nephrectomy and irradiation of the contralater kidney. Elema JD, et al. Arch Pathol 91:418-25, May
The dynamics of mitotic aberrations induced in t white rat by a single dose of 800r. Anastasiu G, et
Arch Roum Pathol Exp Microbiol 29:81-9, Mar-Jun
The protection of Streptococcus faecalis with gamma-irradiation against the bactericidal effect potassium permanganate. Piedas M.
Arch Roum Pathol Exp Microbiol 29:563-7, Jun-Sep
Polydipsia and polyuria in whole-body irradiated rats comparison with "pair-fasted" animals. Scoppa P, al. Arch Sci Biol (Bologna) 54:35-44, Jan-Mar
Effects of gamma radiation on the pathogenicity Histomonas meleagridis. Ruff MD, et al.
Avian Dis 14:646-53, Nov 70
Photodissociation of carbon monoxide from some n hemoglobin derivatives. A possible case of ener transfer. Alpert B, et al.
Biochem Biophys Res Commun 43:688-14, 18 Feb
Denaturation of DNA after x-irradiation in vitro. I Gupta R, et al.
Biochem Biophys Res Commun 40:783-9, 24 Aug
Phage-induced radioresistance of lysogenic bacteri Trgovčević Z, et al.
Biochem Biophys Res Commun 43:688-93, 7 May
A polymeric form of haptoglobin in the gamma-irradiated Spanish goat. Travis JC, et a
Biochem Genet 4:629-49, Oct 70
Cross-resistance between radiation and cytotoxi drugs in a mammalian cell line in vitro. Robins AB, al. Biochem J 118:34P, Jun 70
Pulse radiolysis: an oxidative-reductive probe general biochemical and enzyme studies. Adams G et al. Biochem Soc Symp 31:171-82, 1970
Response of histone turnover and phosphorylation to irradiation. Gurley LR, et al.
Biochemistry 10:1583-93, 27 Apr 71
Polycyclic aromatic hydrocarbons. Covalent binding DNA and effects on template function. Chan EW, et a
Biochim Biophys Acta 238:46-9, 29 Apr 71
Radiation effects on an allosteric enzyme with tw catalytic activities. X-ray inactivation of the threonine-sensitive aspartokinase-homoserine dehydrogenase from Escherichia coli. Dimarco G, al. Biochim Biophys Acta 220:1-9, 14 Oct 70
The effect of x-irradiation on the induction of anilin hydroxylase by phenobarbital in partially hepatectomized rats. Hilton J, et al.
Biochim Biophys Acta 237:107-11, 20 Apr 71
Double-strand breaks in the DNA of a mammalian ce after x-irradiation. Lehmann AR, et al.
Biochim Biophys Acta 217:288-97, 15 Oct 70
Microsomal structural protein after x-irradiation Lejsek K, et al.
Biochim Biophys Acta 221:589-1, 22 Dec 70
Chemical protection against breaks induced in DNA human and bacterial cells by x-irradiation. Lohma PH, et al. Biochim Biophys Acta 224:339-52, 14 Dec
Degradation and turnover of collagen in the mouse ski and the effect of whole body x-irradiation. Ohuchi et al. Biochim Biophys Acta 208:475-81, Jun
The rejoining of x-ray-induced strand breaks in th DNA of a murine lymphoma cell (L5178Y). Ormero MG, et al. Biochim Biophys Acta 232:72-82, 25 Feb
Effects on bacterial transformation of single-stran breaks in DNA produced by deoxyribonuclease I an gamma rays. Thorsett GO, et al.
Biochim Biophys Acta 236:67-74, 29 Apr 71
Photoperiod control of diapause in Daphnia. IV. Ligh and CO2-sensitive phases within the cycle of activation. Stross RG. Biol Bull 140:137-55, Feb
Effects of neonatal irradiation and genotype postnatal growth inmice. Nash DJ.
Biol Neonate 18:17-38, 1971
Irradiation of thymine dimers in aqueous solution Deering RA, et al. Biophys J 8:339-36, Mar
The physical measurement of radiation damage t coliphage T7 DNA. Hawkins RB, et al.
Biophys J 11:398-413, May 71
Functional inactivation and appearance of breaks RNA chains caused by gamma irradiation of

The meaning of the [illegible] code after each subject heading, and other information helpful to the user of these volumes, will be found on the page preceding the Author Index.





Escherichia coli ribosomes. Kučan Z, et al. Biophys J 11:237-51, Mar 71
Dinitrophenol inhibits the rejoining of radiation-induced DNA breaks by L-cells. Moss AJ Jr, et al. Biophys J 11:158-74, Feb 71
On the possibility of nonthermal biological effects of pulsed electromagnetic radiation. Sher LD, et al. Biophys J 10:970-9, Oct 70
Inactivation and division delay of Escherichia coli B-r by combined treatment with UV and vacuum. Bücker H, et al. Biophysik 7:217-22, 1971
Photodynamic action and bacterial protein synthesis. Chandra P, et al. Biophysik 7:212-6, 1971
The frequency response of the action of light on the membrane potential of Nitella. Hansen UP. Biophysik 7:223-7, 1971
The effects of ultra-violet light and x-rays on aqueous solutions of poly-L-glutamic acid. Ishikawa M. Biophysik 7:1-7, 1970
X-ray effects on ferredoxin from Clostridium Pasteurianum. Krasnobajew V. Biophysik 7:106-14, 1971
Effects of gamma-rays on poly-L-glutamic acid and poly-D,L-glutamic acid in the solid state. Kunikane M, et al. Biophysik 7:205-11, 1971
On the relation between recovery from potential lethal and sublethal radiation lesions of yeast cells. Malinovsky OV. Biophysik 7:17-24, 1970
Electron spin resonance studies of ultraviolet irradiation effects on some proteins. Pepe IM. Biophysik 7:115-9, 1971
Photo-sensitivity of oxidised cholesterol Black Lipid Membrane incorporated with acid and basic dyes. Verma SP. Biophysik 7:228-35, 1971
Accelerated regeneration of transplanted hematopoietic stem cells in irradiated mice pretreated with cyclophosphamide. Gregory SA, et al. Blood 37:196-203, Feb 71
X-ray and alkylating agents alter differentiation of surviving hematopoietic stem cells. Hellman S, et al. Blood 38:174-83, Aug 71
Long-term effects of local irradiation of the marrow on erythron and red cell function. Nelp WB, et al. Blood 36:617-22, Nov 70
The potentiality of out-of-cycle acute leukemic cells to synthesize DNA. Stryckmans P, et al. Blood 36:697-703, Dec 70
Immunosuppression of the donor in order to affect chronic secondary disease of the recipient. Thierfelder S, et al. Blut 21:384-8, 1970
The effects of x-irradiation and anti-lymphocyte serum on the responses to tumour allografts. Riches AC, et al. Br J Cancer 24:833-42, Dec 70
Growth of metastases from P-388 sarcoma in the rat following whole body irradiation. Van den Brenk HA, et al. Br J Cancer 25:186-207, Mar 71
Kinetics of haemopoietic colony growth. Lajtha LG, et al. Br J Haematol 20:343-54, Mar 71
A differential response of gene loci to forward mutation induced by gamma radiation in the presence of either oxygen or nitrogen. Alderson T, et al. Br J Radiol 44:651, Aug 71
The radiosensitivity of a bacterial spore which survives all normal sterilization procedures. Dewey DL. Br J Radiol 44:565, Jul 71
Unilateral versus bilateral irradiation of large animals: an unresolved discrepancy between biological and physical measurements. Edmondson PW, et al. Br J Radiol 44:651, Aug 71
The time course of recovery for HeLa cell survival curve shoulders after hypoxic pre-storage. Foster CJ, et al. Br J Radiol 44:565-6, Jul 71
The recovery of the survival curve shoulder after protracted hypoxia: Foster CJ, et al. Br J Radiol 44:540-5, Jul 71
Experimental animal results relating to time-dose relationships in radiotherapy and the "ret" concept. Fowler JF. Br J Radiol 44:81-90, Feb 71 (40 ref.)
The relative effects of x-rays, 131 I, and 125 I on rat thyroid cell proliferation in vivo. Greig WR, et al. Br J Radiol 44:236, Mar 71
A study of the development in culture of x-irradiated mammalian cells and their descendants. Grote J, et al. Br J Radiol 44:235, Mar 71
Irradiation of the G.I. tract: compensatory response of stomach, jejunum and colon. Hagemann RF, et al. Br J Radiol 44:599-602, Aug 71
Radiation and the plating efficiency of haemopoietic stem cells in the spleen colony assay technique. Hendry JH, et al. Br J Radiol 44:652, Aug 71
Differences in the effect of hypoxia on the radiation sensitivity of the bone marrow and the intestine in mice. Hornsey S. Br J Radiol 44:357-60, May 71
Differences in survival of jejunal crypt cells after radiation delivered at different dose-rates. Hornsey S. Br J Radiol 43:802-6, Nov 70
Effect of cyclotron neutrons on the small intestine of mice, assayed by clonal techniques and animal survival. Hornsey S. Br J Radiol 44:652, Aug 71
Surface effects of high-energy X rays at oblique incidence. Jackson W. Br J Radiol 44:109-15, Feb 71
The effect of whole body irradiation on thymic and ovarian cell depletion in mice: a study of non-reproductive cell death. Lindop PJ, et al. Br J Radiol 44:235-6, Mar 71
A critical look at the ret. Liversage WE. Br J Radiol 44:91-100, Feb 71
Effect of radiation on stationary phase cells. McNally NJ. Br J Radiol 44:652, Aug 71
Demonstration of recovery between fractionated radiations in an in vivo G-0 system (thyroid) using cellular proliferative capacity as index. Malone J, et al. Br J Radiol 44:566, Jul 71
Absence of "permanent" recovery in certain Chinese hamster fibroblasts. Munro TR. Br J Radiol 44:478-80, Jun 71
Damage by tritiated thymidine incorporated into the DNA of P388F lymphoma cells in culture, and its relationship to cell survival. Peterson AR, et al. Br J Radiol 44:651-2, Aug 71
Chromosome aberrations and cell killing in plant and animal cells. Preston RJ, et al. Br J Radiol 44:235, Mar 71
Radiation-induced chromosomal translocations in spermatogonia and other germ cell stages of different mammalian species. Smith B. Br J Radiol 44:567, Jul 71
Red cell production in the continuously irradiated mouse. Twentyman PR, et al. Br J Radiol 43:898-902, Dec 70
The origin and kinetics of goblet cells in the human jejunum during irradiation. Wiernik G, et al. Br J Radiol 44:348-56, May 71
The response of stem cells of intestinal mucosa to irradiation with 14 MeV neutrons. Withers HR, et al. Br J Radiol 43:796-801, Nov 70
The potentiating effect of x-irradiation on the induction of experimental tumours in mice. Unger A, et al. Br J Surg 58:303, Apr. 71
Flashes in astronaut's eyes. Br Med J 4:510, 28 Nov 70
Irradiation of culture-medium and chromosomal aberrations in cultured nonirradiated lymphocytes. Liniecki J, et al. Bull Acad Pol Sci [Biol] 18:293-6, 1970
Effects of gamma rays on eggs of Culex pipiens fatigans, Wied, 1928. Oliveira ML de, et al. Bull Calcutta Sch Trop Med 17:12-3, Jan 69
Chorioretinal temperature increases from solar observation. White TJ, et al. Bull Math Biophys 33:1-17, Mar 71
Non-enzymatic decarboxylation of aspartic acid. Marx A, et al. Bull Soc Chim Biol (Paris) 52:353-5, 17 Apr 70
Gamma ray sterilisation of homograft valves. Gibbons JR, et al. Bull Soc Int Chir 28:353-8, May-Jun 69
Application of the electron spin resonance technique for quantitative evaluation of the resorption rate of irradiated bone grafts. Ostrowski K, et al. Calcif Tissue Res 7:58-66, 1971
Studies on the metabolism of nuclear basic proteins after radiation in vitro. Ghosh M. Can J Biochem 49:456-62, Apr 71
Effects of x-irradiation on the various enzymic functions of NADP plus-linked isocitrate dehydrogenase. Holland P, et al. Can J Biochem 49:510-5, May 71
Cytological effects of x-irradiation on cultured calf thyroid cells. Weijer J, et al. Can J Genet Cytol 10:825-35, Dec 68
The effects of nalidixic acid on X-ray-induced DNA degradation and repair in Micrococcus radiodurans. Driedger AA, et al. Can J Microbiol 17:501-5, Apr 71
The enhancement of X-ray-induced DNA degradation in Micrococcus radiodurans by phenethyl alcohol. Driedger AA, et al. Can J Microbiol 17:487-93, Apr 71
Demonstration of two types of DNA repair in X-irradiated Micrococcus radiodurans. Driedger AA, et al. Can J Microbiol 17:495-9, Apr 71
Gamma-ray induced strand breakage of Bacillus subtilis DNA irradiated in vivo. Dugle DL, et al. Can J Microbiol 17:575-83, May 71
Effect of irradiation temperature in the range--196 to 95C on the resistance of spores of Clostridium botulinum 33A in cooked beef. Grecz N, et al. Can J Microbiol 17:135-42, Feb 71
Radiation survival of bacterial spores in neutral and acid ice. Grecz N, et al. Can J Microbiol 16:1045-9, Nov 70
Stabilization of poliovirus to 32P decay. Hughes HG, et al. Can J Microbiol 17:725-30, May 71
Effects of radiation pasteurization on Samonella. 3. Radiation lethality and the frequency of mutation to antibiotic resistance. Previte JJ, et al. Can J Microbiol 17:385-9, Mar 71
Effects of radiation pasteurization on Salmonella. II. Influence of repeated radiation-growth cycles on virulence and resistance to radiation and antibiotics. Previte JJ, et al. Can J Microbiol 17:105-10, Jan 71
Effect of radiation on lecithin metabolism, surface activity, and compliance of rat lung. Naimark A, et al. Can J Physiol Pharmacol 48:685-94, Oct 70
Response of newt larvae to x-irradiation. Friedmann GB, et al. Can J Zool 48:1017-21, Sep 70
Effect of therapeutic irradiation on lymphocyte transformation in lung cancer. Thomas JW, et al. Cancer 27:1046-50, May 71
The radiation response of human malignant melanoma cells grown in vitro. Barranco SC, et al. Cancer Res 31:830-3, Jun 71
A probable role for protein synthesis in intestinal epithelial cell damage induced in vivo by cytosine arabinoside, nitrogen mustard, or X-irradiation. Lieberman MW, et al. Cancer Res 30:942-51, Apr 70
Carcinogen-induced mammary tumors from preneoplastic nodule outgrowths in BALB-c mice. Medina D, et al. Cancer Res 30:1055-9, Apr 70
Influence of altitude on late effects of radiation in RF-Un mice: observations on survival time, blood changes, body weight, and incidence of neoplasms. Mori-Chavez P, et al. Cancer Res 30:913-28, Apr 70
Effect of x-irradiation on the functional status of lysosomal enzymes of mouse mammary gland carcinomas. Paris JE, et al. Cancer Res 31:392-401, Apr 71
The synergism between radiation and estrogen in the production of mammary cancer in the rat. Segaloff A, et al. Cancer Res 31:166-8, Feb 71
Selectivity of attack on cystine by hydroxyl radicals and chlorine atoms. Giles D, et al. Chem Ind 45:1437-8, 7 Nov 70
The disinfection of industrial and potable water supplies using ultraviolet radiation. Stiff FR. Chem Ind 4:116-20, 23 Jan 71
The pulmonary lymph flow after irradiation of the lungs of dogs. Leeds SE, et al. Chest 59:203-7, Feb 71
Rat heart allograft survival with donor pretreatment. Freeman JS, et al. Circulation 43:Suppl 1:120-3, May 71
Serum organic acids in sheep exposed to neutron-gamma irradiation, air blast, or both. Henderson TR, et al. Clin Chem 16:697-701, Aug 70
Effects of irradiation or traumatic injuries on propionate metabolism in rats. Henderson TR, et al. Clin Chem 17:810-7, Aug 71
Studies on the proliferation of thymus cells injected into syngeneic or allogeneic irradiated mice. Blomgren H. Clin Exp Immunol 8:279-89, Feb 71
The effect of x-rays on circulating lymphocytes of mice quantitated by PHA-responsiveness. Doenhoff MJ. Clin Exp Immunol 8:603-15, Apr 71
The effect of bursectomy, thymectomy and x-irradiation on the incidence of precipitating liver and kidney auto-antibodies in chickens of the obese strain (OS). Wick G. Clin Exp Immunol 7:187-99, Aug 70
Osteogenesis by radioisotope labelled cell populations in implants of bone matrix under the influence of ionizing radiation. Craven PL, et al. Clin Orthop 76:231-3, May 71
Cumulative radiation effect. I. Fractionated treatment regimes. Kirk J, et al. Clin Radiol 22:145-55, Apr 71
Applied aspects of microbial genetics. Alikhanian S. Curr Top Microbiol Immunol 53:91-148, 1970 (77 ref.)
Bilateral depression of photic evoked response from unilateral irradiation of the visual cortex. Caveness WF, et al. Electroencephalogr Clin Neurophysiol 29:412, Oct 70
Pituitary gonadotrophins of the progeny of x-irradiated female mice with altered phenotypic characters. Palayoor T, et al. Endocrinol Jap 17:1-3, Feb 71
Serum FSH and LH in constant light-induced persistent estrus: short-term and long-term studies. Daane TA, et al. Endocrinology 88:964-8, Apr 71
Adrenal steroids and the maintenance of a circadian distribution of paradoxical sleep in rats. Johnson JH, et al. Endocrinology 89:507-12, Aug 71
Post-natal transformation of the pineal gland: effect of constant darkness. Kerenyi NA, et al. Endocrinology 88:798-800, Mar 71
Effect of phenobarbital, hypophysectomy and x-irradiation on preovulatory progesterone levels in the cyclic hamster. Norman RL, et al. Endocrinology 89:598-605, Aug 71
The kinetics of light induced carotenoid changes in Rhodopseudomonas spheroides and their relation to electrical field generation across the chromatophore membrane. Jackson JB, et al. Eur J Biochem 18:120-30, 1 Jan 71
Excision of pyrimidine dimers from ultraviolet-irradiated DNA by exonucleases from mammalian cells. Lindahl T. Eur J Biochem 18:407-14, 1 Feb 71
Effects of x-ray irradiation on deoxyribonucleotide and DNA synthesis in cultured mouse embryo cells. Slaby I, et al. Eur J Biochem 21:279-84, 29 Jul 71
Hypoxic protection against fast neutrons of different energies--a review. Berry RJ. Eur J Cancer 7:145-52, May 71 (16 ref.)
RBE values of 15 MeV neutrons for effects on normal tissues. Broerse JJ, et al. Eur J Cancer 7:171-7, May 71
RBE values for cyclotron neutrons for effects on normal tissues and tumours as a function of dose and dose fractionation. Field SB, et al. Eur J Cancer 7:161-9, May 71
The influence of the bone marrow on the repopulation of the thymus in x-irradiated mice. Blomgren H. Exp Cell Res 58:353-64, Dec 69
Effects of cycloheximide on x-ray induction of chromatid exchanges in synchronous Chinese hamster cells. Dewey WC, et al. Exp Cell Res 66:233-8, Jun 71
Separation and in vitro growth of mammalian corneal epithelial and endothelial cells. Ellingson DJ, et al. Exp Cell Res 66:478-82, Jun 71
The regulation of cell proliferation and differentiation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in intestinal epithelium. II. A quantitative histochemical and autoradiographic study after low doses of x-irradiation. Galjaard H, et al. Exp Cell Res 58:79-92, Nov 69

Nucleic acid metabolism in rat thymocytes x-irradiated in vitro. Geraci JP, et al. Exp Cell Res 65:368-76, Apr 71

UV-irradiation induced changes in the uptake of acridine orange in living mouse fibroblasts in vitro. Hagenäs L, et al. Exp Cell Res 62:118-24, Sep 70

Characterization of small size lymphoid cells in irradiated and normal mouse bone marrow. Haot J, et al. Exp Cell Res 66:171-6, May 71

Non-protein sulfhydryl content of Ehrlich ascites tumor cells exposed to hyperbaric oxygen or x-irradiation. Harris JW. Exp Cell Res 50:293-305, May 68

Comparative studies on rejoining of DNA-strand breaks induced by x-irradiation in mammalian cell lines in vitro. Horikawa M, et al. Exp Cell Res 63:325-32, Dec 70

Factors influencing exogenous nucleoside utilization in DNA synthesis by irradiated human cells. Little JB. Exp Cell Res 62:368-74, Oct 70

Exogenous DNA polymerase-catalysed incorporation of deoxyribonucleotide monophosphates in nuclei of fixed mouse-brain cells. Modak SP, et al. Exp Cell Res 65:289-96, Apr 71

Variations of cellular sulfhydryl content during cell cycle of HeLa cells and its correlation to cyclic change of x-ray sensitivity. Ohara H, et al. Exp Cell Res 58:182-5, Nov 69

Effect of oxygen on the recovery of lethal and nonlethal radiation damage. Siracka E, et al. Exp Cell Res 58:191-4, Nov 69

Irradiation of the cerebellum in infant rats with low-level x-ray: histological and cytological effects during infancy and adulthood. Altman J, et al. Exp Neurol 30:492-509, Mar 71

Evoked cortical potentials in prenatally irradiated rats. Berry M, et al. Exp Neurol 28:426-41, Sep 70

Vulnerability of developing brain. I. Some lasting effects of x-irradiation. Dobbing J, et al. Exp Neurol 28:442-9, Sep 70

Audiogenic seizure susceptibility of rats x-irradiated in utero during first one-third of pregnancy. Geller LM. Exp Neurol 29:268-80, Nov 70

Immunoprecipitins in Schistosoma mansoni infections. 3. Cercopithecus sabaeus and Macaca mulatta monkeys exposed to irradiated cercariae and subsequently challenged. Hillyer GV, et al. Exp Parasitol 29:53-8, Feb 71

Moniliformis dubius: X-irradiation and temperature effects on morphogenesis in Periplaneta americana. Robinson ES, et al. Exp Parasitol 29:292-301, Apr 71

Histomonas meleagridis: effect of gamma radiation on in vitro growth. Ruff MD, et al. Exp Parasitol 28:450-64, Dec 70

Plasmodium cynomolgi: x-irradiation and development of exo-erythrocytic schizonts in Macaca mulatta. Warren M, et al. Exp Parasitol 28:551-6, Dec 70

Mutagenic effect of UV-light and x-rays on Streptomyces nigrifaciens and yield of the antifungal substance. Chaudhary KC, et al. Experientia 27:706-7, Jun 71

Effect of temperature on survival of gamma-irradiated seeds of Arabidopsis thaliana. Daly KR. Experientia 27:81-3, 15 Jan 71

Effect of normal and irradiated marrow grafts on the haemopoietic recovery after a sublethal irradiation. Delrez M, et al. Experientia 27:453-4, 15 Apr 71

Organotypical culture of irradiated and non-irradiated chick mesonephros. De Ridder L, et al. Experientia 27:428-30, 15 Apr 71

On the mechanism of modification of radiation effect by dimethyl sulfoxide. Hagemann RF, et al. Experientia 27:319-21, 15 Mar 71

The effects of non-thermal radio frequency radiation on human lymphocytes in vitro. Holm DA, et al. Experientia 26:992-4, 28 Sep 70

The visual response of the purple shore crab, Hemigrapsus nudus, to ionizing and non-ionizing radiations. Jordan NM, et al. Experientia 27:853-5, Jun 71

The reactions of integumentary melanophores to background changes in intact and hypophysectomized Ictalurus melas (Rafinesque). Khokhar R. Experientia 26:1379-81, 15 Dec 70

Inherited semisterility for control of harmful insects. I. Productions of semisterility due to translocation in the mosquito, Culex pipiens L., by X-rays. Laven H, et al. Experientia 27:471-3, 15 Apr 71

Radiation effects on embryonic chick tibiae. Mawhinney BS. Experientia 26:1245-6, 15 Nov 70

Effects of x-irradiation on the genetically-determined melanoma system of xiphophorin fish. Pursglove DL, et al. Experientia 27:695-7, Jun 71

Inhibition of ultraviolet-induced hydroxyproline formation in human dermal collagen. Raab WP. Experientia 26:1061-2, 15 Oct 70

Photoperiod manipulation to control diapause in the pink bollworm, Pectinophora gossypiella. Sullivan WN, et al. Experientia 26:1101-2, 15 Oct 70

The effect of sound, light and vibratory stimuli on serum lipid levels and liver fatty acid content of old and adult rats. Szamosi T. Experientia 27:628-9, Jun 71

Photo-orientation in the larvae of the waxmoth Galleria mellonella L. reared under constant dark and constant light conditions. Vaidya VG. Experientia 27:148-9, 15 Feb 71

Electrical signaling in vertebrate photoreceptors. Baylor DA, et al. Fed Proc 30:79-83, Jan-Feb 71

Electrical characteristics of a barnacle photoreceptor. Brown HM, et al. Fed Proc 30:89-78, Jan-Feb 71

Fast photoelectric effects and the properties of vertebrate photoreceptors as electric cables. Hagins WA, et al. Fed Proc 30:64-8, Jan-Feb 71

The immediate and delayed effects of 1000 R x-rays on the rodent testis. Rugh R, et al. Fertil Steril 22:73-82, Feb 71

Morpho-functional study of hypothalamic neurosecretion. VI. The effect of locally administered X-irradiation in Rana temporaria and Rana esculenta. Dubis K, et al. Folia Biol (Krakow) 18:247-52, 1970

The ependyma, the cysteine-rich complex-containing periventricular glia, and the subfornical organ in normal and x-irradiated rats and mice. Srebro Z. Folia Biol (Krakow) 18:327-34, 1970

The mammalian and frog pars tuberalis in some experimental conditions including x-irradiation. Srebro Z. Folia Biol (Krakow) 18:335-41, 1970

Activation of amino acids following prenatal x-irradiation in the developing rabbit brain. Wender M, et al. Folia Biol (Krakow) 18:343-51, 1970

The effect of radiation on deoxyribonucleoproteins in animal tissues. IV. Changes in the histone component of deoxyribonucleoprotein isolated from tissues of irradiated mice and of DNP fractions after interaction with heparin. Cejková M, et al. Folia Biol (Praha) 17:189-95, 1971

Changes in DNP histones after irradiation and contact with heparin. Koibalová A. Folia Biol (Praha) 16:356-62, 1970

Protease activity changes in rabbit lung macrophages, spleen cells and polymorphonuclear leucocytes after whole-body x-irradiation. Kotulová D, et al. Folia Biol (Praha) 17:26-32, 1971

Effect of ionizing radiation on the frequency and ultrastructure of mast cells in mouse spleen. Viklický V, et al. Folia Biol (Praha) 16:347-52, 1970

Bone marrow and spleen interrelation in local irradiation: data of cytometry and Fe59 incorporation. Kabakov YN, et al. Folia Haematol (Leipz) 94:64-73, 1970

Elimination of I-131-labelled heterologous antigen from the blood of chickens after total body x-irradiation. Krejčí J, et al. Folia Microbiol (Praha) 15:485-91, 1970

Morphological changes in the spleen of irradiated mice nine days after the transplantation of homologous bone marrow. Viktora L. Folia Morphol (Praha) 19:182-6, 1971

The wholesomeness of irradiated mushrooms. Logten MJ van, et al. Food Cosmet Toxicol 9:379-88, Jun 71

Effects of drugs, ileal obstruction, and irradiation on rat gastrointestinal propulsion. Summers RW, et al. Gastroenterology 59:731-9, Nov 70

The mucosal response to gastric irradiation. Anselm K, et al. Gastrointest Endosc 17:105-6, Feb 71

On the light sensitivity of the Atlantic hagfish, Myxine glutinosa, maintained against a white background under continuous illumination. Holmberg K. Gen Comp Endocrinol 17:232-5, Aug 71

Seasonal changes of pelage in the vole (Microtus agrestis). II. The effect of daylength. al-Khateeb A, et al. Gen Comp Endocrinol 16:229-35, Apr 71

Interaction of photic and olfactory stimuli in mediating pineal-induced gonadal regression in adult female rats. Reiter RJ, et al. Gen Comp Endocrinol 15:326-33, Oct 70

Allometry of body weight and tail length after head x-irradiation in rats. Mosier HD Jr, et al. Growth 35:23-31, Mar 71

Factors affecting the radiation resistance of dried bacterial spores. Shoesmith JG. Guys Hosp Rep 119:185-94, 1970

Effect of fractionated irradiation on hematopoiesis of fasted rats. Ninkov V, et al. Haematol Lat 13:125-33, Apr-Jun 70

Biological availability of radionuclides produced by the Plowshare event Schobner. 3. Accumulation, excretion rates and body distribution in peccaries after daily ingestion of debris. Chertok RJ, et al. Health Phys 20:577-84, Jun 71

Comment on "effective transmission of the human thorax for photons from 239 Pu, 241 Am and other low-energy emitters". Dean PN, et al. Health Phys 19:312, Aug 70

Skin response to a point source of fissioned uranium-235 carbide. Dean PN, et al. Health Phys 19:3-7, Jul 70

212 Pb distribution studies in the rat. Drew RT. Health Phys 20:617-23, Jun 71

Comparative metabolism of radionuclides in mammals. V. Retention of 192Ir in the mouse, rat, monkey and dog. Furchner JE, et al. Health Phys 20:375-82, Apr 71

Temperature effects on the maturation of midges (Tendipedidae) and their sorption of radionuclides. Harvey RS. Health Phys 20:613-6, Jun 71

Maternal age and 90Sr retention in rat offspring. Hopkins BJ, et al. Health Phys 20:647-9, Jun 71

Invited comments on "A derivation of the 'Factor of 700' for 131 I". Hull AP, et al. Health Phys 19:698-9, Nov 70

A five-year inhalation study with natural uranium dioxide (UO 2) dust. I. Retention and biologic effect in the monkey, dog and rat. Leach LJ, et al. Health Phys 18:599-612, Jun 70

The relationship between intramedullary dose and 59Fe uptake in the bones of rats exposed to whole-body 250 kVp x-irradiation. Maillie HD, et al. Health Phys 20:179-85, Feb 71

Radiation LD 50 (30) of Richardson ground squirrels. Markham OD, et al. Health Phys 18:731-2, Jun 70

Relative response of dosimeters to cobalt-60 and 25 nsec pulsed electron irradiations. Martin JA, et al. Health Phys 20:267-75, Mar 71

The effect of ionizing radiation on the reproductive capacity of forest trees. Mergen F, et al. Health Phys 19:37-45, Jul 70

Radiation effects in man: current views and prospects. Mole RH. Health Phys 20:485-90, May 71

Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials. Osanov DP, et al. Health Phys 20:559-66, Jun 71

Some aspects of dosimetry in miniature swine chronically ingesting 90 Sr. Palmer RF, et al. Health Phys 19:775-83, Dec 70

An inexpensive rf shield for use with radiation survey instruments. Properzio WS. Health Phys 19:442, Sep 70

Biological response to small discrete highly radioactive sources. II. Morphogenesis of microlesions in rat lungs from intravenously injected 238 PuO 2 microspheres. Richmond CR, et al. Health Phys 18:401-8, Apr 70

Linear absorption coefficients for gamma-rays in tissue. Smith HL, et al. Health Phys 19:59-60, Jul 70

Protracted hepatic, splenic and renal retention of 239Pu in the beagle. Stover BJ, et al. Health Phys 20:369-74, Apr 71

Stopping power and range of alpha particles. Walsh PJ. Health Phys 19:312-6, Aug 70

The influence of x-rays on the healing of fractures. Woodard HQ. Health Phys 19:791-9, Dec 70

An experimental study on the relation between the scintigram of the irradiated liver using 198-Au-colloid and changes in uptake of reticuloendothelial cells. Nomura S. Hiroshima J Med Sci 19:51-61, Sep 70

Photochemical inactivation of L-kynurenine 3-hydroxylase (EC 1.14.1.2) preparations from rat liver. Horn U, et al. Hoppe Seylers Z Physiol Chem 351:1580-2, Dec 70

The metabolism of different immunoglobulin classes in irradiated mice. IV. Fate of circulating IgA of tumour or transfusion origin. Bazin H, et al. Immunology 20:563-70, Apr 71

The metabolism of different immunoglobulin classes in irradiated mice. V. Contribution of the gut to serum IgA levels in normal and irradiated mice. Bazin H, et al. Immunology 20:571-95, Apr 71

Transfer of delayed and Arthus sensitivity with blood plasma from x-irradiated guinea-pigs. Collins FM, et al. Immunology 19:501-9, Sep 70

Selective and specific inhibition of 24 hour skin reactions in the guinea-pig. 3. Depression of cytophilic and haemolytic antibodies by pretreatment with antigen and the effect of irradiation. Davey MJ, et al. Immunology 20:513-22, Apr 71

Antibody formation by bone marrow cells in irradiated mice. I. Thymus-dependent and thymus-independent responses to sheep erythrocytes. Playfair JH, et al. Immunology 21:113-21, Jul 71

Biological effects of high background radioactivity: studies on plants growing in the monazite-bearing areas of Kerala coast & adjoining regions. Gopal-Ayengar AR, et al. Indian J Exp Biol 8:313-8, Oct 70

Radiation sensitivity of fish microflora. Lewis NF, et al. Indian J Exp Biol 9:45-7, Jan 71

Differential X-ray sensitivity of hydras in relation to age. Mitra J. Indian J Exp Biol 8:302-3, Oct 70

Modifying effect of pre- & post-treatment with nitrogen mustard on the effect of UV irradiation in Aspergillus chevalieri (Mangin). Nanda G, et al. Indian J Exp Biol 8:319-20, Oct 70

Effec of photo-induction on the transaminase actiity of glycine-aspartate system in bilioxi soybean. Sirchi GS, et al. Indian J Exp Biol 8:23-4, Jul 70

Changes in morphological characters during germination of gamma-irradiated castor seeds. Thanki RJ, et al. Indian J Exp Biol 8:235-7, Jul 70

Effect of 131-I on spermatogonia and oocytes in mice. Reddi OS. Indian J Med Res 59:494-8, Mar 71

In vitro studies of chicken lymphoid cells. II. The anamnestic response of spleen cells from control-irradiated and bursectomized-irradiated chickens to sheep erythrocytes. Alm GV. Int Arch Allergy Appl Immunol 40:643-55, 1971

Studies on the lymphocytes in the intestinal epithelium of the chicken. IV. Effect of bursectomy. Back O. Int Arch Allergy Appl Immunol 39:342-51, 1970

Studies on the lymphocytes in the intestinal epithelium

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of the chicken. 3. Effect of thymectomy. Bäck O. Int Arch Allergy Appl Immunol 39:192-200, 1970
Immunosuppressive action of phytohemagglutinin, effect on peritoneal macrophages. Chan PC. Int Arch Allergy Appl Immunol 36:486-96, 1969
The immune response of normal, irradiated and thymectomized mice to fowl immunoglobulin G as detected by a hemolytic plaque technique. Miller JF, et al. Int Arch Allergy Appl Immunol 40:59-71, 1971
Effect of irradiation on adoptive immunization in experimental allergic encephalomyelitis. Purdy CW, et al. Int Arch Allergy Appl Immunol 40:842-50, 1971
Mating behaviour of gamma irradiated and non irradiated European corn borer, Ostrinia nubilalis (Hübner). Anwar M, et al.
Int J Appl Radiat Isot 22:89-93, Feb 71
Population longevity in gamma-irradiated Collembola. Cavalloro R, et al.
Int J Appl Radiat Isot 22:216-8, Mar 71
Effect of gamma radiation on various developmental stages of Corcyra Cephalonica Stn. (Gelleridae, Lepidoptera). Huque H.
Int J Appl Radiat Isot 22:439-41, Jul 71
Thyroid ablation in young mice--a technique combining surgery and iodine-131. Marks SC, et al.
Int J Appl Radiat Isot 22:263-7, Apr 71
Trace metal behaviour in rabbits after whole-body irradiation. Woods AH, et al.
Int J Appl Radiat Isot 21:389-94, Jul 70
Recovery from the inhibitory effect of x-radiation on urethan lung adenomagenesis. Bartlett GL.
Int J Cancer 6:56-62, 15 Jul 70
Studies on the relationship between thymus regeneration and lymphoma prevention in C57Bl-6 mice irradiated and injected with syngeneic spleen cells. Chen L. Int J Cancer 7:491-8, 15 May 71
Ultraviolet inactivation of murine leukemia and sarcoma viruses. Yoshikura H.
Int J Cancer 7:131-40, 15 Jan 71
Repair of gamma-ray and neutron-induced lesions in germinating barley seeds. Ahnström G, et al.
Int J Radiat Biol 19:433-43, 1971
The influence of selenourea and of colloidal selenium on the survival of E. coli B-r after x-irradiation. Badiello R, et al. Int J Radiat Biol 20:61-8, 1971
A comparative study on the influence of fast neutrons (14MeV) and x-rays on the glycogen content in mouse liver. Berndt J, et al. Int J Radiat Biol 18:193-6, 1970
Repair and replication of x-irradiated HeLa cell DNA. Brent TP, et al. Int J Radiat Biol 19:339-48, 1971
The survival of colony-forming units in mouse bone-marrow after in vivo irradiation with D-T neutrons, X- and gamma-radiation. Broerse JJ, et al.
Int J Radiat Biol 19:101-10, 1971
Further studies on chromosome aberration production after whole-body irradiation in man. Buckton KE, et al. Int J Radiat Biol 19:369-78, 1971
Formation of hydroxyl radicals in thymine solution by excited hydrogen or argon from a gas discharge. Carpy S, et al. Int J Radiat Biol 18:359-67, 1970
Effects of O2-concentration, dose-rate, LET and cysteamine on the radiation-induced changes in viscosity of the cytoplasm in the statocytes of barley roots. Cercek L, et al. Int J Radiat Biol 19:361-8, 1971
Pulse-radiolysis study of human blood plasma. Cercek L, et al. Int J Radiat Biol 20:1-6, 1971
Effect of sulphhydryl dissociation on free radicals stabilized by gamma-irradiated frozen aqueous solutions of cysteamine. Copeland ES, et al.
Int J Radiat Biol 19:401-4, 1971
Proliferative activity of the stem cells in the bone-marrow of mice after single and multiple irradiations (total-or partial-body exposure). Croizat H, et al. Int J Radiat Biol 18:347-58, 1970
Recovery of supralethally x-irradiated and nitrogen mustard (HN2)-treated amoebae. Daniels EW, et al.
Int J Radiat Biol 18:179-87, 1970
Visual function responses of patients receiving X- or 60Co gamma-radiation therapy in the region of head and neck. Devi SK, et al.
Int J Radiat Biol 19:379-92, 1971
Effects of cysteamine given before and after x-irradiation under different temperature conditions on mortality of the fish, Oryzias latipes. Egami N.
Int J Radiat Biol 18:391-4, 1970
Post-irradiation DNA degradation and response to fractionated doses in Micrococcus radiodurans. Fox M, et al. Int J Radiat Biol 18:507-19, 1970
Characteristics of "repair synthesis" in x-irradiated P388F lymphoma cells. Fox M, et al.
Int J Radiat Biol 18:101-10, 1970
The relationship of radioresistance to balanced growth-rate in Micrococcus radiodurans. Freedman ML, et al. Int J Radiat Biol 19:111-21, 1971
Glucose-induced resistance to gamma-rays in Escherichia coli. Friesen BS, et al.
Int J Radiat Biol 18:159-72, 1970
Effect of X-irradiation on yeast ribosomes in vitro. Ghosh N. Int J Radiat Biol 18:567-75, 1970
Electron transfer in gamma-irradiated complexes between DNA nucleotides and proflavine. Gregoli S, et al. Int J Radiat Biol 18:577-85, 1970
Destruction of free radicals by radiation. Henriksen T.
Int J Radiat Biol 19:301-4, 1971
Gamma-irradiation of a DNA-Cu++ complex. Hofer H, et al. Int J Radiat Biol 19:459-65, 1971
The effect of hypoxia on the sensitivity of the epithelial cells of the jejunum. Hornsey S.
Int J Radiat Biol 18:539-46, 1970
Hypoxia in mouse intestine induced by electron irradiation at high dose-rates. Hornsey S, et al.
Int J Radiat Biol 19:479-83, 1971
Radiation responses of fern spores during their first cell-cycle. Howard A, et al.
Int J Radiat Biol 18:147-58, 1970
Sensitivity of Artemia eggs to -irradiation. IX. A correlation between radiation-induced free radicals and hatchability in eggs exposed to -mercaptoethylamine. Iwasaki T.
Int J Radiat Biol 20:39-47, 1971
Swallow AJ: Pulse- and X-radiolysis of 2-mercaptoethanol in aqueous solution. Jayson GG, et al. Int J Radiat Biol 19:143-56, 1971
Tissue content of noradrenaline and 5-hydroxytryptamine in the rat after ionizing radiation. Johnsson JE, et al.
Int J Radiat Biol 18:311-6, 1970
Possible uncoupling action of gamma-radiation in excised bean hypocotyl segments. Joshi VG, et al.
Int J Radiat Biol 18:173-8, 1970
Radio-sensitization with extra-cellular halogenated purines and pyrimidines and related compounds. Kada T, et al. Int J Radiat Biol 18:281-5, 1970
Effect of x-radiation on the absorption of naturally-occurring folates. Kesavan V, et al.
Int J Radiat Biol 19:205-14, 1971
Radiation-induced single-strand breaks in double-stranded circular DNA. Kessler B, et al.
Int J Radiat Biol 20:75-8, 1971
Microspectrophotometric study of oxidative enzymes in irradiated epidermis. Klein-Szanto AJ, et al.
Int J Radiat Biol 18:235-41, 1970
Further studies on protection of DNA against ionizing radiation. Kollmann G, et al.
Int J Radiat Biol 18:587-94, 1970
Laboratory studies on radiation-induced dominant lethality in sperms in population control of the mosquito Culex-pipiens fatigans Wied. Koshy T, et al.
Int J Radiat Biol 18:521-30, 1970
Comparison of the lethal effects of 32P and 33P decay in E. coli and in bacteriophages. Krisch RE.
Int J Radiat Biol 18:259-66, 1970
Inactivation and repair of polyvalent phages of Staphylococcus aureus irradiated with ultra-violet light: comparison of phages irradiated with u.v. light and plated on various bacterial hosts. Křivánková M, et al. Int J Radiat Biol 20:69-73, 1971
Chemical radiation protection and the c AMP mechanism. Langendorff H, et al.
Int J Radiat Biol 19:493-5, 1971
The effect of dimethyl sulphoxide on the radiation response of the rough-skinned newt (Taricha granulosa). Lappenbusch WL, et al.
Int J Radiat Biol 18:217-33, 1970
Intracerebral temperature changes after x-irradiation in the rabbit. Leith JT, et al.
Int J Radiat Biol 18:291-5, 1970
Chromosomal aberrations in human lymphocytes irradiated in vitro from donors (males and females) of varying age. Liniecki J, et al.
Int J Radiat Biol 19:349-60, 1971
Repair of potentially-lethal radiation damage in mammalian cells: enhancement by conditioned medium from stationary cultures. Little JB.
Int J Radiat Biol 20:87-92, 1971
The radiation chemistry of thymine in aqueous solution. Some reactions of the thymine-electron adduct. Loman H, et al.
Int J Radiat Biol 18:369-79, 1970
Enhancement of viral transformation by ultra-violet light. Lytle CD, et al. Int J Radiat Biol 18:297-300, 1970
Physical parameters of radiations determined from the inactivation of ribonuclease. Marshall M, et al.
Int J Radiat Biol 18:139-46, 1970
Survival of synchronized L cells irradiated with 14 MeV neutrons. Masuda K. Int J Radiat Biol 20:85-6, 1971
Increase in the incorporation of 3H-thymidine triphosphate into the DNA of nuclei isolated from Ehrlich ascites-tumour cells irradiated in vivo. Matsudaira H, et al. Int J Radiat Biol 19:393-7, 1971
Pre-implantation death of mouse eggs caused by irradiated food. Moutschen-Dahmen M, et al.
Int J Radiat Biol 18:201-16, 1970
Comparison of the stage sensitivity to X-rays during meiosis in the egg of the silkworm, Bombyx mori. Murakami A. Int J Radiat Biol 19:167-76, 1971
In vitro radioprotection of mouse tail bones by dimethyl sulphoxide, glycerol and anoxia. Noel JF, et al. Int J Radiat Biol 18:301-9, 1970
Radiosensitization with iodine compounds. 3. Macromolecular synthesis and repair in Bacillus subtilis irradiated in the presence of iodoacetic acid, potassium iodide or potassium iodate. Noguti T, et al.
Int J Radiat Biol 19:305-22, 1971
Effect of 131I on the survival of oocytes in cows. Reddi OS. Int J Radiat Biol 19:497-9, 1971
Change in the electrophoretic behaviour of x-irradiated lymphocytes by phytohaemagglutinin. Sato C, et al. Int J Radiat Biol 20:97-9, 1971
RNA-synthesis and uridine-pools in normal and BUdR-containing human kidney T-cells after U.V.-irradiation. Scalfe JF.
Int J Radiat Biol 18:189-92, 1970
Reproductive integrity of cells after ultra-violet laser irradiation. Stroud AN, et al.
Int J Radiat Biol 19:157-65, 1971
Effect of bleeding after irradiation on survival of three strains of lethally-irradiated mice with different radiosensitivity. Sugahara T, et al.
Int J Radiat Biol 18:395-7, 1970
Adenine complexes of thymine and uracil: electron spin resonance and thermoluminescence investigations. Tatake VG, et al.
Int J Radiat Biol 19:485-92, 1971
Lack of photoreactivation in human cells grown in vitro. Trosko JE, et al. Int J Radiat Biol 18:271-5, 1970
Relative biological effectiveness of o. 43 -MeV and lower energy neutrons on somatic aberrations and hair-length in Tradescantia stamen hairs. Underbrink AG, et al. Int J Radiat Biol 19:215-28, 1971
The protective effect of hypoxia against repeated irradiation of mice. Vacek A, et al.
Int J Radiat Biol 19:323-8, 1971
Effect of dark-repair inhibitors on the survival of Escherichia coli B under different post-irradiation conditions. Vůzdalová M, et al.
Int J Radiat Biol 20:49-59, 1971
Protection against x-irradiation employing cysteamine derivatives in tissue culture and in mice. Vos O, et al.
Int J Radiat Biol 18:111-26, 1970
The effect of chloride ions on the gamma-radiation-induced destruction of DNA, nucleosides and nucleotides in aqueous solution. Ward JF, et al. Int J Radiat Biol 18:381-90, 1970
On the nature of growth stimulation of Vicia faba roots during irradiation at low dose-rates. Woodham CH, et al. Int J Radiat Biol 18:501-5, 1970
Radiation-induced changes in some biochemical parameters of the hemopoietic tissue of rabbits. Izak G, et al. Isr J Med Sci 6:14-22, Jan-Feb 70
Effect of gamma-irradiation on beef myoglobin. Clarke R, et al. J Agric Food Chem 19:170-4, Jan-Feb 71
Inactivation and reactivation of hemocyanin by radiolytic OH and eaq-. Schubert J, et al.
J Am Chem Soc 93:1282-4, 10 Mar 71
Laser and the dental pulp. Adrian JC, et al.
J Am Dent Assoc 83:113-7, Jul 71
Aging in Hiroshima and Nagasaki atomic bomb survivors: accumulation of cardiac lipofuscin. Anderson RE, et al. J Am Geriatr Soc 19:193-8, Mar 71
The effect of X-rays on enzymes of the mouse testis. Kochar NK, et al. J Anat 109:39-50, May 71
A note on the development of resistance to heat and gamma radiation in Salmonella. Corry JE, et al.
J Appl Bacteriol 33:733-7, Dec 70
Differences between Escherichia coli B-r and Salmonella typhimurium LT-2 in the sedimentation behavior of the deoxyribonucleic acid synthesized after x-irradiation. Hudnik-Plevnik TA, et al.
J Bacteriol 106:1043-6, Jun 71
Genetic and molecular characteristics of X-ray-sensitive mutants of Escherichia coli defective in repair synthesis. Kato T, et al.
J Bacteriol 104:871-81, Nov 70
Gamma-ray-induced spore germination of Dictyostelium discoideum. Khoury AT, et al.
J Bacteriol 104:1022-3, Nov 70
Repair of irradiation transforming deoxyribonucleic acid in wild type and a radiation-sensitive mutant of Micrococcus radiodurans. Moseley BE, et al.
J Bacteriol 105:976-83, Mar 71
Ultraviolet- and X-ray-induced responses of a deoxyribonucleic acid polymerase-deficient mutant of Escherichia coli. Paterson MC, et al.
J Bacteriol 107:61-7, Jul 71
Mechanism of inactivation of transforming deoxyribonucleic acid by X rays. Randolph ML, et al.
J Bacteriol 106:221-6, Apr 71
Repair of radiation damage to deoxyribonucleic acid in germinating spores of Bacillus subtilis. Terano H, et al. J Bacteriol 106:925-30, Jun 71
Production and repair of radiochemical damage in Escherichia coli deoxyribonucleic acid; its modification by culture conditions and relation to survival. Town CD, et al. J Bacteriol 105:127-35, Jan 71
Nuclear-cytoplasmic relations in the mitosis of sea urchin eggs. 3. Gamma-ray--induced damage to whole eggs and nucleate and anucleate half-eggs. Rustad RC, et al. J Cell Biol 49:906-12, Jun 71
Studies on the regulation of granulopoiesis. V. Effect of marrow cells on colony stimulating activity in serum. Morley A, et al. J Cell Physiol 77:301-4, Jun 71
Further studies on the biological properties of Friend virus-induced leukemic cells differentiating along the erythrocytic pathway. Rossi GB, et al.
J Cell Physiol 76:159-66, Oct 70
Fine structure and radiation resistance in Acinetobacter: a comparison of a range of strains. Glauert AM, et al. J Cell Sci 8:19-41, Jan 71
The effects of irradiation with high energy electrons on the structure and reactivity of native and cross-linked

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

collagen fibres. Grant RA, et al.
J Cell Sci 7:387-405, Sep 70
ESR study of the sugar radical in irradiated deoxyadenosine. Alexander C Jr, et al.
J Chem Phys 54:1909-13, 1 Mar 71
Genetic collapse of insect populations. 1. Extinction of inbred and outbred lines in laboratory populations of the sugarcane borer. Walker DW, et al.
J Econ Entomol 64:660-7, Jun 71
Peculiar immunobiology of bone marrow allografts. I. Graft rejection by irradiated responder mice. Cudkowicz G, et al. J Exp Med 134:83-102, 1 Jul 71
Some physical and radiobiological properties of immunologically reactive mouse spleen cells. Osoba D. J Exp Med 132:368-83, 1 Aug 70
Mechanism of the inhibition of germination of bacterial spores by gamma-irradiation in the presence of iodoacetamide and iodate. Gould GW.
J Gen Microbiol 64:301-9, Dec 70
Potentiation by halogen compounds of the lethal action of gamma-radiation on spores of Bacillus cereus. Gould GW. J Gen Microbiol 64:289-300, Dec 70
Studies on a radio-resistant coccus isolated from Bombay duck (Harpodon nehereus). Lewis NF.
J Gen Microbiol 66:29-35, Apr 71
Effect of incubation with bacterial extract on the survival of X-irradiated bacteria. Mukherjee P, et al.
J Gen Microbiol 65:275-83, Mar 71
The influence of ultraviolet-inactivated Sendai virus on Marek's disease virus infection in tissue culture. Hložánek I. J Gen Virol 9:45-50, Oct 70
Immunohematological studies of Marshall Islanders sixteen years after fallout radiation exposure. Conard RA, et al. J Gerontol 26:28-36, Jan 71
The life-span of dividing mammalian cells in vivo. Curtis HJ, et al. J Gerontol 26:1-7, Jan 71
Life-shortening by deuteron irradiation of the brain in C57BL-10 female mice. Ordy JM, et al.
J Gerontol 26:194-200, Apr 71
Reappearance and relative importance of immunocompetent cells in the thymus, spleen and lymph nodes following lethal x-irradiation and bone marrow reconstitution in mice. Biomgren H, et al.
J Immunol 106:831-4, Mar 71
The effect of acute radiation exposure rates on formation of hemagglutinating antibody in mice. Carlson DE, et al. J Immunol 106:1353-62, May 71
Differential effects of local lymphoid irradiation on delayed hypersensitivity and the serum antibody response in rats: antigen injection before x-rays. Eltringham JR, et al. J Immunol 106:1185-90, May 71
Experience with a mixed lymphocyte-tumor reaction as a method of detecting antigenic differences between normal and neoplastic cells. Kanner SP, et al.
J Immunol 105:1052-5, Oct 70
Precursor cells in density fractions of lymph node cells: relation to antibody-producing cells. Moav N, et al.
J Immunol 105:1522-9, Dec 70
Recovery of the antigen retention mechanism after sublethal x-irradiation in mice receiving cells from various sources. Nettesheim P, et al.
J Immunol 107:518-25, Aug 71
The effect of bursectomy on the recovery from immunologic tolerance. Peterson RD, et al.
J Immunol 106:1609-14, Jun 71
Antibody production by host cells in x-irradiated recipients of allogeneic spleen cells. Storb U, et al.
J Immunol 105:957-63, Oct 70
Regulation of homocytotropic antibody formation in the rat. II. Effect of X-irradiation. Tada T, et al.
J Immunol 106:1012-8, Apr 71
Thymus dependency of the immune response to hemocyanin: an evaluation of the role of macrophages in thymectomized mice. Unanue ER.
J Immunol 105:1339-43, Dec 70
Plaque-forming cells of two different origins in single hemolytic foci. Vann DC, et al.
J Immunol 105:1584-6, Dec 70
Microspectrophotometric studies of the effect of 60Co irradiation on DNA synthesis in germ cells of the face fly. Sik-Chung Tung P, et al.
J Insect Physiol 17:277-84, Feb 71
Partial-body irradiation of larvae of tenebrio molitor. Jayaraman S, et al. J Invertebr Pathol 16:317-8, Sep 70
The effect of gamma radiation on larval resistance to Bacillus thuringiensis infection. Rossmoore HW, et al.
J Invertebr Pathol 17:282-3, Mar 71
The effect of 137Cs radiation on growth, development, and mortality of the larvae of the tussock moth, Hemerocampa leucostigma. Rossmoore HW, et al.
J Invertebr Pathol 17:277-81, Mar 71
Changes in skin histamine induced by x-ray of differing quality. Carlsen RA, et al.
J Invest Dermatol 56:69-71, Jan 71
Radiation depigmentation of mouse hair: effect of the hair growth cycle on the sensitivity. Potten CS.
J Invest Dermatol 55:410-8, Dec 70
Increased activity of skin surface DNase I after beta-irradiation injury or clipping of guinea pig hair. Tabachnick J, et al. J Invest Dermatol 55:89-93, Aug 70
Studies of recovery of erythropoiesis after irradiation as a function of the cellularity of the endocolonized spleen. DeGowin RL, et al.
J Lab Clin Med 77:219-27, Feb 71
Factors regulating the proliferation and migration of hematopoietic stem cells. Fried W, et al.
J Lab Clin Med 77:239-46, Feb 71
Effect of irradiation on experimental metastases via lymph and blood streams. Zeidman I, et al.
J Med (Basel) 1:9-14, 1970
Effects of disintegration of incorporated 3H and 32P on the physical and biological properties of DNA. Rosenthal PN, et al. J Mol Biol 54:441-63, 28 Dec 70
In vivo restoration of the biological activity of transforming DNA inactivated by 32P disintegration. Rosenthal PN, et al. J Mol Biol 50:573-7, 14 Jun 70
Concomitant loss of specific cell-surface antigen and demonstrable type-C virus particles in lymphomas induced by radiation leukemia virus in rats. Ferrer JF, et al. J Natl Cancer Inst 43:1317-30, Dec 69
Age responses to x rays, Vinca alkaloids, and hydroxyurea of murine lymphoma cells synchronized in vivo. Madoc-Jones H, et al.
J Natl Cancer Inst 45:1131-43, Dec 70
Intercellular transfer of toxic components after laser irradiation. May JF, et al.
J Natl Cancer Inst 46:655-63, Mar 71
Defective immunohematopoiesis in young-adult mice of the leukemia-prone AKR strain. Perkins EH, et al.
J Natl Cancer Inst 46:845-59, Apr 71
Influence of X irradiation and the milk agent on growth of transplanted mouse mammary tumors. Prehn RT.
J Natl Cancer Inst 43:1215-20, Dec 69
Reduced incidence of thymis lymphomas in AKR recipients of syngeneic marrow preincubated with bovine serum albumin. Uphoff DE.
J Natl Cancer Inst 44:1099-106, May 70
Regional changes in brain catecholamines after proton irradiation of the striate cortex in the squirrel monkey. Hsu LL, et al. J Neurochem 18:1719-24, Sep 71
The incorporation of isotopic carbon 14C into the cerebral glycogen of normal and x-irradiated rats. Lundgren PR, et al. J Neurochem 17:1383-8, Sep 70
Potential use of 109Pd-porphyrin complexes for selective lymphatic ablation. Fawwaz RA, et al.
J Nucl Med 12:231-6, May 71
Spinal cord dosimetry in 131-I-IHSA cisternography. Harbert JC, et al. J Nucl Med 11:534-41, Sep 70
On the use of radioisotopes in human experimentation. Stanbury JB. J Nucl Med 11:586-91, Oct 70 (55 ref.)
Effect of dietary selenium on the survival of rats exposed to chronic whole body irradiation. Hurt HD, et al. J Nutr 101:363-6, Mar 71
Osteomyelitis and osteoradionecrosis of the jaws. Titterington WP. J Oral Med 26:7-16, Jan-Mar 71
The differential sensitivity of Hymenolepis microstoma (Cestoda: Cyclophyllidea) Cysticercoid stages to X-rays. Hochman LF, et al.
J Parasitol 57:443-5, Apr 71
Protective immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei. II. Effects of radiation on sporozoites. Vanderberg JP, et al. J Parasitol 54:1175-80, Dec 68
Some observations on the life history of the macrophage. Elves MW. J Pathol 101:333-8, Aug 70
Electron spin resonance study of radicals produced in irradiated aqueous solutions of amines and amino acids. Neta P, et al. J Phys Chem 75:738-43, 18 Mar 71
The effects of gamma-radiation and heat on the germination of spores of Clostridium botulinum type E. Ando Y. J Radiat Res (Tokyo) 12:29-36, Mar 71
Effects of x-irradiation on 14C-pyruvate metabolism in rat thymocytes. Araki K, et al.
J Radiat Res (Tokyo) 11:79-84, Jun 70
Effect of circadian rhythm on the radiosensitivity of the rough-skinned newt (Taricha granulosa). Lappenbusch WL.
J Radiat Res (Tokyo) 11:134-7, Sep-Dec 70
Effects of 14 MeV neutrons and x-rays, singly or combined on the reproductive capacity of L cells. Masuda K. J Radiat Res (Tokyo) 11:107-12, Sep-Dec 70
Effect of internal exposure by 90Sr and 131-I on respiratory 14CO2 patterns following 14C-glucose administration in mice. Matsuoka O, et al.
J Radiat Res (Tokyo) 11:157-65, Sep-Dec 70
Effects of pre-natal x-irradiation on the visual evoked potential in adult rabbits. Minamisawa T, et al.
J Radiat Res (Tokyo) 11:151-6, Sep-Dec 70
Effects of x-irradiation on evoked potentials from visual system in rabbits. Minamisawa T, et al.
J Radiat Res (Tokyo) 11:127-33, Sep-Dec 70
Changes in the mouse electrocorticograms (ECoG) after x-irradiation. Minamisawa T, et al.
J Radiat Res (Tokyo) 12:7-16, Mar 71
Kinetic and chemical properties of 60Co gamma-ray irradiated subtilisin BPN in aqueous solution. Otsuki K. J Radiat Res (Tokyo) 11:120-6, Sep-Dec 70
Chemical and enzymatic properties of 60Co gamma-ray irradiated subtilisin BPN. Otsuki K, et al.
J Radiat Res (Tokyo) 11:113-9, Sep-Dec 70
Theory of radiation effect on cell populations in intestinal epithelium. Sato F, et al.
J Radiat Res (Tokyo) 12:1-6, Mar 71
Effect of Tween 80 on strand breaks of Escherichia coli DNA irradiated in situ. Titani Y, et al.
J Radiat Res (Tokyo) 11:92-7, Jun 70
Modification of radiosensitivity of Ehrlich ascites carcinoma cells in vivo. 1. Some basic experiments on the role of lethally irradiated tumor cells. Urano M, et al. J Radiat Res (Tokyo) 11:61-9, Jun 70
Effects of cobalt-60 gamma rays on lysozyme in aqueous solution. Yamamoto K.
J Radiat Res (Tokyo) 11:85-91, Jun 70
Mechanisms of selective fertilization in the rabbit: sperm transport and viability. Overstreet JW, et al.
J Reprod Fertil 26:219-31, Aug 71
Abdominal implants of radiation sources. Ponn RB, et al. J Surg Res 11:207-9, Apr 71
Theory of radiation dose-survival curves for the case where organism lethality is defined as loss of reproductive capacity. Craig AG.
J Theor Biol 32:259-67, Aug 71
Do mammalian cells repair radiation injury by the "cut-and-patch" mechanism? II. An extension of the original model. Dalrymple GV, et al.
J Theor Biol 28:121-42, Jul 70
Target theory and survival curves. Kiefer J.
J Theor Biol 30:307-17, Feb 71
The effect of local graft irradiation on rejection of canine cardiac allografts. Graham WH, et al.
J Thorac Cardiovasc Surg 60:730-6, Nov 70
Greater vulnerability of the infecting viral strand of replicative-form deoxyribonucleic acid of bacteriophage phi X174. Datta B, et al.
J Virol 6:583-8, Nov 70
Neoplasms after childhood irradiation of the thymus. Schwarz GS. JAMA 216:520, 19 Apr 71
Medical uses of radiation. Walker JF.
JAMA 216:1348, 24 May 71
The transformation induced by light stimulus on the retinal discharge: study of the interval distribution at high frequencies of sinusoidal stimulation. Gestri G, et al. Kybernetik 6:171-6, Jan 70
Prenatal radiation exposure and childhood cancer. Burch PR, et al. Lancet 2:1189-90, 5 Dec 70
Smaller G chromosomes in the bone-marrow cells of heavily irradiated atomic-bomb survivors. Kamada N, et al. Lancet 2:880-1, 24 Oct 70
Prenatal radiation exposure and childhood cancer. Stewart A. Lancet 1:751-2, 10 Apr 71
Modification of rat testicular response to x-irradiation by various lighting regimes. 1. The pineal gland and melatonin synthesis as a possible mediator of the response. Ellis LC, et al. Life Sci [I] 9:1011-20, 1 Sep 70
Form and function of the lymphocyte as a radiation disimeter and an indicator of immunosuppression. Barnes CA, et al. Med J Aust 1:369-72, 13 Feb 71
Different photodynamic action of proflavine and methylene blue on bacteriophage. I. Host cell reactivation of Serratiaphage kappa. Brendel M.
Mol Gen Genet 108:308-11, 1970
A UV-supersensitive mutant in the yeast Schizosaccharomyces pombe. Fabre F.
Mol Gen Genet 110:134-43, 1971
Different sensitivities of T4D and lambda mutants to photodynamic action. Geissler E.
Mol Gen Genet 109:264-8, 1970
Differences in host controlled reactivation of lambdoid and T phages. Geissler E.
Mol Gen Genet 109:257-63, 1970
Protection of irradiated lambda phage by methylated proflavine. Jaffe-Brachet A.
Mol Gen Genet 110:374-7, 1971
Differential "liquid holding recovery" for the lethal effect and cytoplasmic "petite" induction by UV light in Saccharomyces cerevisiae. Moustacchi E, et al.
Mol Gen Genet 109:69-83, 1970
Mutagenesis of cultured mammalian cells by X-radiation and ultraviolet light. Bridges BA, et al.
Mutat Res 10:141-51, Aug 70
The mutagenic effectiveness of fast neutrons in male and female mice. Searle AG, et al.
Mutat Res 11:97-105, Jan 71
Macromolecular synthesis in irradiated bacteria. Setlow RB, et al. Mutat Res 9:434-6, Apr 70
Decreased host cell reactivation of irradiated SV40 virus in xeroderma pigmentosum. Aaronson SA, et al.
Nature (Lond) 228:359-61, 24 Oct 70
Effect of a bright light flash on dark adaptation of human rods. Alpern M.
Nature (Lond) 230:394-6, 9 Apr 71
Light inactivation of focus formation by chicken embryo fibroblasts infected with avian sarcoma virus in the presence of 5-bromodeoxyuridine. Boettiger D, et al. Nature (Lond) 228:622-4, 14 Nov 70
Enhancement of the pre-irradiation action of TAB. Byron JW. Nature (Lond) 228:568-9, 7 Nov 70
Visual sensations produced by single fast particles. Charman WN, et al. Nature (Lond) 230:522-4, 23 Apr 71
CO2 assimilation by chloroplasts illuminated on filter paper. Coombs J, et al.
Nature (Lond) 228:1349-50, 26 Dec 70
Photo-oxidation of atmospheric SO2. Cox RA, et al.
Nature (Lond) 229:488-8, 12 Feb 71
Failure of visual estimation of motion under strobe. Croft TA. Nature (Lond) 231:397, 11 Jun 71
Radiation stimulated incorporation of 3H-thymidine into diplotene oocytes of the guinea-pig. Crone M.
Nature (Lond) 228:460, 31 Oct 70
Generation of Cherenkov light flashes by cosmic radiation within the eyes of the Apollo astronauts. Fazio GG, et al. Nature (Lond) 228:260-4, 17 Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Insect visual pigment sensitive to ultraviolet light. Hamdorf K, et al. Nature (Lond) 231:485-9, 18 Jun 71

Effect of radiation on the germination of spores of Dictyostelium discoideum. Hashimoto Y. Nature (Lond) 231:316-7, 4 Jun 71

New form of molecular defect in xeroderma pigmentosum. Jung EG. Nature (Lond) 228:361-2, 24 Oct 70

Primary reaction of phytochrome. Mohr H, et al. Nature (Lond) 230:56-8, 5 Mar 71

Stimulation by artificial lighting of calcium absorption in elderly human subjects. Neer RM, et al. Nature (Lond) 229:255-7, 22 Jan 71

Acellular corneal transparency. Rubin AL, et al. Nature (Lond) 230:120-1, 12 Mar 71

Dechlorination of DDT in solution by ionizing radiation. Sherman WV, et al. Nature (Lond) 232:118-9, 9 Jul 71

Enhancement of residual antibody synthesis by irradiation of the spleen in pre-immunized rats. Simić MM, et al. Nature (Lond) 229:263-4, 22 Jan 71

Radiation-induced light flashes observed by human subjects in fast neutron, x-ray and positive pion beams. Tobias CA, et al. Nature (Lond) 230:596-8, 30 Apr 71

Sunlight-induced pyrimidine dimers in human cells in vitro. Trosko JE, et al. Nature (Lond) 228:358-9, 24 Oct 70

What turns plants on? Nature (Lond) 230:12-3, 5 Mar 71

Repair of gamma-ray-induced thymine damage in Micrococcus radiodurans. Hariharan PPV, et al. Nature [New Biol] 229:247-9, 24 Feb 71

6-amino-8-hydroxy-7,8-dihydro-purine: radiation product of adenine. Hemmen JJ van. Nature [New Biol] 231:79-80, 19 May 71

Stimulation of autochthonous lymphocytes by cells from normal and leukaemic lines. Knight SC, et al. Nature [New Biol] 229:185-7, 10 Feb 71

Radiation and mitosis. Nature [New Biol] 229:99-100, 27 Jan 71

Effect of 1-methyl-3-nitro-1-nitrosoguanidine on the x-ray induced chromosomal lesions in Vicia faba. Kaul BL. Naturwissenschaften 57:455-6, Sep 70

Studies on bone tissue regeneration in rats after treatment with small doses of strontium-89 prior to and after decorporation. Sivchev S, et al. Nauchni Tr Vissh Med Inst Sofiia 49:1-10, 1970

Natural antibodies against the Ehrlich ascites mouse tumour in sera of irradiated goats, identified by complement consumption. Oravec C, et al. Neoplasma 18:161-72, 1971

5-hydroxytryptophan decarboxylase activity in the rat pineal gland during the first 20 days of postnatal life: effect of light. Hernandez J, et al. Neuroendocrinology 6:343-8, 1970

Pineal and gonadal function in the rat following cervical sympathectomy. Moore RY, et al. Neuroendocrinology 7:361-74, 1971

Interrelation between X-radiation and diphenylhydantoin in the central nervous system of developing rats. Valcana T, et al. Neuropharmacology 10:359-62, May 71

Radiation effects on the bone growth and effects of salivary gland hormone (parotin) on irradiated bone tissues. Iwasaki Z. Nippon Acta Radiol 31:78-94, Apr 71

On the radiosensitivity of the radiation induced aminopterin resistant yeast cells. Munechika H, et al. Nippon Acta Radiol 30:518-24, Sep 70

Kinetic study of endogenous-spleen-colony-forming cells in irradiated mice. Ueno Y. Nippon Acta Radiol 31:13-6, Apr 71

In-vitro studies of rat viruses. II. Effects of heat,x-irradiation and carcinogenic drugs. Lum GS. Oncology 24:416-30, 1970

Immunity of rats and mice following injection with 60Co irradiated Babesia rodhaini infected red cells. Phillips RS. Parasitology 62:221-31, Apr 71

Cells involved in the immune response. XIX. Failure of thymectomy to influence the antigen-reactive and antibody-forming cell populations in the adult rabbit. Abdou NI, et al. Pathol Microbiol (Basel) 37:73-83, 1971

Effect of radiation on the mouse stem cell compartment in vivo. Gurney CW. Perspect Biol Med 6:233-45, Winter 63

Repair replication in Chinese hamster cells after damage from ultraviolet light. Cleaver JE. Photochem Photobiol 12:17-28, Jul 70

Absence of repair replication following ultraviolet irradiation of an excision-deficient mutant of Escherichia coli. Cooper PK, et al. Photochem Photobiol 13:83-5, Jan 71

Radiative and non-radiative losses in the retinol polyenes. Dalle JP, et al. Photochem Photobiol 12:151-67, Aug 70

Flash photolysis and inactivation of aqueous lysozyme. Grossweiner LI, et al. Photochem Photobiol 13:195-214, Mar 71

On the mechnaism of radiosensitization by 5-bromouracil. The occurrence of DNA strand breaks in U.V.-irradiated phage T4 as influenced by cysteamine. Hotz G, et al. Photochem Photobiol 12:207-18, Sep 70

Proflavine-sensitized photooxidation of methionine. Jori G, et al. Photochem Photobiol 12:231-7, Sep 70

Some observations on the lethal effects of near-ultraviolet light on Escherichia coli, compared with the lethal effects of far-ultraviolet light. Peak MJ. Photochem Photobiol 12:1-8, Jul 70

Differential, lethal and mutagenic action of 254nm and 320-400nm radiation on semi-dried bacteria. Webb SJ, et al. Photochem Photobiol 12:119-43, Aug 70

Iodine-125, a tracer in cell biology: physical properties and biological aspects. Ertl HH, et al. Phys Med Biol 15:447-56, Jul 70

Measurement of skin dose from low energy beta and gamma radiation using thermoluminescent discs. Marshall M, et al. Phys Med Biol 16:503-10, Jul 71

The recoil proton dose across a bone-tissue interface due to fast neutrons. Prasad MA, et al. Phys Med Biol 16:461-6, Jul 71

Interaction of low intensity ultrasound and ionizing radiation with the tumour cell surface. Repacholi MH, et al. Phys Med Biol 16:221-7, Apr 71

The effects of small doses of ionizing radiation. Rossi HH. Phys Med Biol 15:255-62, Apr 70

Changes in the reticulocyte count in irradiated mice following the transplantation of cadaver isologous bone marrow. Viktora L. Physiol Bohemoslov 19:435-40, 1970

The effect of the nervous system on the course of radiation reactions due to the application of soft X-rays. Bachurzewski J, et al. Pol Med J 8:932-6, 1969

Influence of x-rays upon the mitotic activity and DNA synthesis in endometrial glandular epithelium in mice. Jonek J, et al. Pol Med J 9:1511-23, 1970

Ribonucleic acid synthesis in endometrial epithelium in mice after whole-body x-ray irradiation. Konecki J, et al. Pol Med J 9:1524-31, 1970

Ultraviolet irradiation as a protective measure for chickens exposed to Newcastle disease virus. Perek M, et al. Poult Sci 49:1742-4, Nov 70

Induction of mutations in bacteriophage phi X174 by ionizing radiation. Bleichrodt JF, et al. Proc K Ned Akad Wet [Biol Med] 74:172-82, 1971

Light-induced electron-transfer reactions between chlorophyll a and hydrogenated pteridine derivatives in solution. Bobst AM. Proc Natl Acad Sci USA 68:541-3, Mar 71

Radioresistance of the enhancing effect of cells from carrier-immunized mice in an in vitro primary immune response. Kettman J, et al. Proc Natl Acad Sci USA 68:699-703, Apr 71

Primary reactions of photosynthesis: photoreduction of a bound chloroplast ferredoxin at low temperature as detected by EPR spectroscopy. Malkin R, et al. Proc Natl Acad Sci USA 68:16-9, Jan 71

Radiation sensitivity of New Zealand black mice and the development of autoimmune disease and neoplasia. Morton JI, et al. Proc Natl Acad Sci USA 68:124-6, Jan 71

The function of irradiated blood elements. I. Limitations on the response to phytohemagglutinin as an indicator of immunocompetence in irradiated lymphocytes. Coifman RE, et al. Proc Soc Exp Biol Med 137:155-60, May 71

Bone marrow restoration of transplantation immunity in the leopard frog Rana pipiens. Cooper EL, et al. Proc Soc Exp Biol Med 135:406-11, Nov 70

The fate of challenge schistosome cercariae in a monkey immunized by cercariae exposed to high doses of x-irradiation. Hsü SY, et al. Proc Soc Exp Biol Med 136:727-31, Mar 71

Alteration of postirradiation hypotension and incapacitation in the monkey by administration of vasopressor drugs. Miletich DJ, et al. Proc Soc Exp Biol Med 137:111-5, May 71

The possible influence of a single gene locus on life span and its relationship to radiation resistance and activity. Spalding JF, et al. Proc Soc Exp Biol Med 136:1091-3, Apr 71

Proliferation of donor spleen and bone-marrow cells in the spleens and bone marrows of unirradiated and irradiated adult mice. Takada A, et al. Proc Soc Exp Biol Med 136:222-6, Jan 71

Strain and substrain differences in the recovery of thymus function after whole-body x-irradiation of mice. Takada Y, et al. Proc Soc Exp Biol Med 135:473-7, Nov 70

Preparation of noninfectious arbovirus antigens by sucrose-acetone extraction of gamma-irradiated tissue. Tzianabos T, et al. Proc Soc Exp Biol Med 136:187-90, Jan 71

The effect of route of administration and radiation on 3H-actinomycin D binding by mouse hepatocyte DNA. Yatvin MB. Proc Soc Exp Biol Med 135:42-5, Oct 70

Catabolism of the different classes of immunoglobulins in normal and lethally-irradiated mice. Bazin H. Progr Immunobiol Stand 4:67-70, 1970

Studies on the local immunity of intestinal tract of chickens after oral administration of Newcastle disease virus. Kono R, et al. Progr Immunobiol Stand 4:330-2, 1970

The effects of x-rays on the synthesis of DNA, RNA, and proteins in synchronized Chinese hamster cells. Bacchetti S, et al. Radiat Res 45:599-612, Mar 71

The relation of protein synthesis to radiation-induced division delay in Chinese hamster cells. Bacchetti S, et al. Radiat Res 44:788-806, Dec 70

Inhibition of ribosomal RNA synthesis in x-irradiated HeLa cells. Bases R, et al. Radiat Res 44:456-77, Nov 70

Hematopoietic recovery in irradiated dogs. Baum SJ, et al. Radiat Res 44:531-44, Nov 70

Survival of murine leukemia cells in vivo after irradiation in vitro under aerobic and hypoxic conditions with monoenergetic accelerated charged particles. Berry RJ. Radiat Res 44:237-47, Oct 70

Oxygen formation in the gamma-ray irradiation of Fe2+-Cu2+ solutions. Bjerghakke E, et al. Radiat Res 45:261-73, Feb 71

Effects of acute beta and gamma radiation on developing embryos of carp (Cyprinus carpio). Blaylock BG, et al. Radiat Res 46:99-104, Apr 71

Clinical and gross pathological findings in swine relative to late effects of mixed gamma-neutron and X-irradiation. Brown DG, et al. Radiat Res 44:498-511, Nov 70

On the time scale for radioprotection by and permeation of glycerol in anoxic cells of E. coli B. Brustad T, et al. Radiat Res 45:94-109, Jan 71

Gamma radiolysis of branched chain hydrocarbons: 2,2-dimethylbutane. Castello G, et al. Radiat Res 45:399-415, Feb 71

An interpretation of the optical density-dose relationship in irradiated clear polymethyl methacrylate. Chadwick KH. Radiat Res 44:282-95, Nov 70

Influence of the molecular organization on radical yield of organic compounds. Checcucci A, et al. Radiat Res 47:66-82, Jul 71

X-radiolysis of aqueous erythrosin. Chrysochoos J, et al. Radiat Res 47:392-401, Aug 71

Behavioral reactions of the sea anemone, Anthopleura xanthogrammica, to ultraviolet and visible radiations. Clark ED, et al. Radiat Res 45:166-75, Jan 71

Repair and damage by mercaptans in 60Co gamma-ray irradiation of organic compounds in aqueous solution. Cohen SG, et al. Radiat Res 45:462-75, Mar 71

The influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seeds. Conger BV, et al. Radiat Res 46:601-12, Jun 71

An analysis of human kidney cell oxygen-enhancement ratios for fast-neutron beams and a prediction for negative pion beams. Curtis SB. Radiat Res 46:557-79, Jun 71

Response of mouse epidermal cells to single and divided doses of fast neutrons. Denekamp J, et al. Radiat Res 45:80-4, Jan 71

The action of atomic hydrogen, hydrated electrons, and ionizing radiation on bacteriophage T7 in aqueous solution. Dewey DL, et al. Radiat Res 44:345-58, Nov 70

The effects of gamma-irradiation upon monoamine oxidase activity. Diaz Borges JM, et al. Radiat Res 45:589-97, Mar 71

Chemical consequences of the Auger effect: Iodine yeild from iodoamino acids as a function of x-ray dose and energy. Diefallah el-HM, et al. Radiat Res 44:273-81, Nov 70

Chromosome damage in thyroid cells of adults irradiated with x-rays in infancy. Doida Y, et al. Radiat Res 45:645-56, Mar 71

Cell survival and X-ray-induced DNA degradation in Micrococcus radiodurans. Driedger AA, et al. Radiat Res 44:835-45, Dec 70

Lethal and hematologic effects of 14.8 MeV neutrons on beagles with estimation of RBE. Earle JD, et al. Radiat Res 45:487-98, Mar 71

Actinomycin D and radiation fractionation studies in asynchronous and synchronized Chinese hamster cells. Elkind MM, et al. Radiat Res 44:484-97, Nov 70

Changes in biological effectiveness of a fast neutron beam with depth in tissue-equivalent material. Evans RG, et al. Radiat Res 45:235-43, Feb 71

Effects of dose, dose rate, and trace impurities on n-hexadecane radiolysis. Falconer WE, et al. Radiat Res 47:41-50, Jul 71

Radiation damage in calcium phosphates and collagen: an interpretation of ESR spectra. Fisher BV, et al. Radiat Res 46:229-35, May 71

Hemopoietic stem cells as a function of erythropoiesis. Fogh J. Radiat Res 45:563-76, Mar 71

The response of maximal and submaximal action potentials from frog sciatic nerve to 200-kV x-rays. Gaffey CT. Radiat Res 45:311-25, Feb 71

Relation between RBE and LET to inhibit neural impulse conduction. Gaffey CT. Radiat Res 47:511-25, Aug 71

The 60Co gamma-radiolysis of aqueous papain solutions: repair and protection by cysteine. Gaucher GM, et al. Radiat Res 46:457-75, Jun 71

The effect of x-irradiation on thymidine kinase activity in synchronous populations of HeLa cells. Gelbard AS, et al. Radiat Res 46:334-42, May 71

The effects of fast neutrons on the growth of carrot root phloem explants. Golinick DA, et al. Radiat Res 45:557-62, Mar 71

Photoreversal of ultraviolet-induced division delay in Saccharomyces cerevisiae. Goodin LJ, et al. Radiat Res 45:440-8, Feb 71

Decrements in the visual acuity of rhesus monkeys (Macaca mulatta) as a delayed effect of occipital

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cortex irradiation. Graham ES, et al. Radiat Res 45:373-83, Feb 71

RBE of fast neutrons in growth inhibition: Evidence for a component requiring cell division. Haber AH, et al. Radiat Res 44:446-55, Nov 70

Modification of radiation effect on the eye by topical application of dimethyl sulfoxide. Hagemann RF, et al. Radiat Res 44:368-78, Nov 70

Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: fractionated x-ray exposures. Hagemann RF, et al. Radiat Res 47:149-58, Jul 71

Changes in ovarian intravascular compartment prior to superovulation in x-irradiated rats. Hahn EW, et al. Radiat Res 46:192-8, Apr 71

Effect of radiation on the spore germination of the cellular slime mold Dictyostelium discoideum. Hashimoto Y, et al. Radiat Res 44:649-59, Dec 70

Ecology and radiation exposure of kangaroo rats living in a tritiated environment. Hatch FT, et al. Radiat Res 44:97-107, Oct 70

Radium in aquatic food chains: radium uptake by fresh water algae. Havlík B. Radiat Res 46:490-505, Jun 71

ESR studies of the mechanisms for radical formation in irradiated frozen sulfuric acid solutions of thymine. Henriksen T, et al. Radiat Res 45:420-33, Feb 71

Deficient DNA synthesis and mitotic death in x-irradiated HeLa cells. Hopwood LE, et al. Radiat Res 46:70-84, Apr 71

Gamma-ray dose distributions in externally irradiated cylinders. Hubbard LB. Radiat Res 44:4-12, Oct 70

Effects of fast neutrons and 60Co gamma-rays on Artemia. Iwasaki T, et al. Radiat Res 45:288-98, Feb 71

The radiolysis of aliphatic carboxylic acids: the decarboxylation of normal acids at 38 degrees. Jones AR. Radiat Res 47:35-40, Jul 71

Chemical effects of gamma-irradiation of aqueous solutions of heparin and keratan sulphate. Jooyandeh F, et al. Radiat Res 45:455-61, Mar 71

Inactivation of cells by heavy ion bombardment. Katz R, et al. Radiat Res 47:402-25, Aug 71

The prompt detection of ionizing radiations by a marine coelenterate. Kimeldorf DJ, et al. Radiat Res 46:52-63, Apr 71

Effects of x-irradiation on hemoglobin polymorphism in the adult Pekin duck. Klein JR. Radiat Res 46:105-14, Apr 71

Proteolytic activity in isolated perfused liver of normal and x-irradiated rats. Kocmierska-Grodzka D, et al. Radiat Res 44:338-44, Nov 70

Response of photobacterium fischeri MAV exposed to an ultra high dose-rate pulsed electron beam. Lerch IA. Radiat Res 45:63-71, Jan 71

The production of strand breaks in mammalian DNA by X-rays: at different stages in the cell cycle. Lett JT, et al. Radiat Res 44:771-87, Dec 70

Changes in DNA secondary structure after x-irradiation. Lukášová E, et al. Radiat Res 47:51-65, Jul 71

Gamma-irradiation of dilute solutions of chymotrypsin: protein substrates. Lynn KR. Radiat Res 45:25-34, Jan 71

The effects of -radiation on dilute solutions of trypsin. Lynn KR. Radiat Res 46:268-78, May 71

Chromosome aberrations in swine leukocytes after in vivo or in vitro exposure to 14 MeV neutrons. McFee AF, et al. Radiat Res 44:512-21, Nov 70

The ultrastructure of the lung of mice exposed to a supra-lethal dose of ionizing radiation on the thorax. Maisin JR. Radiat Res 44:545-64, Nov 70

Dose dependence of the transfer of radiation-induced free radicals from DNA to cysteamine. Milvy P. Radiat Res 47:83-93, Jul 71

Primary process in the direct action of ionizing radiation on proteins: electron paramagnetic resonance of a glycylglycine single crystal gamma-irradiated at 77 degrees K. Morishima H. Radiat Res 44:605-20, Dec 70

The site of the target region for radiation-induced mitotic delay in cultured mammalian cells. Munro TR. Radiat Res 44:747-57, Dec 70

Strain sensitivity of silkworm eggs to killing and mutation by ultraviolet light. Murakami A. Radiat Res 44:146-53, Oct 70

Thermally generated electrical currents in gamma-irradiated lucite. Murphy PH, et al. Radiat Res 46:1-15, Apr 71

The effect of brain stem irradiation on descending systems to the spinal cord. Olson KE, et al. Radiat Res 44:404-12, Nov 70

Repair replication in diploid and aneuploid human cells. Normal replication of repaired DNA after ultraviolet irradiation. Painter RB, et al. Radiat Res 44:133-45, Oct 70

A radiation effect from low doses of tritiated thymidine or x-rays. Payne JT, et al. Radiat Res 47:123-42, Jul 71

A comparison of the direct effect of gamma-rays on Escherichia coli ribosomes and bacteriophage f2. Petranović D, et al. Radiat Res 46:621-30, Jun 71

Effects of -irradiation on sodium sulphacetamide. Phillips GO, et al. Radiat Res 46:236-50, May 71

Early and late effects of tritiated thymidine upon the replication of splenic lymphocytes. Post J, et al. Radiat Res 45:335-48, Feb 71

Radiation-induced division and mitotic delay studies in green alga (Oedogonium cardiacum). Fujara CM, et al. Radiat Res 44:413-20, Nov 70

Effect of temperature and radiation stresses on the survivorship of isopods: Armadillidium vulgare and Cylisticus convexus. Reichle DE, et al. Radiat Res 46:588-600, Jun 71

Correlation of radiation-induced ultrastructural changes in mouse hepatocytes with alterations in plasma concentration of protein-bound neutral hexoses. René AA, et al. Radiat Res 44:224-36, Oct 70

Growth of an allogeneic tumor in lethally irradiated mice treated with sensitized and unsensitized spleen cells. Riches AC, et al. Radiat Res 44:87-96, Oct 70

Radical distributions in gamma-irradiated dry proteins at 195 degrees K. Riesz P, et al. Radiat Res 44:24-34, Oct 70

Effect of gamma radiation on the synthesis of scopoletin and scopolin in grapefruit peel in relation to radiation damage. Riov J, et al. Radiat Res 45:326-34, Feb 71

Effect of charged groups on the indirect action in frozen aqueous solutions. Sanner T. Radiat Res 44:313-22, Nov 70

Frequency of parthenogenesis in chickens after insemination with irradiated sperm. Sarvella P. Radiat Res 46:186-91, Apr 71

Cysteamine, cystamine, and single-strand breaks of DNA in cultured mammalian cells. Sawada S, et al. Radiat Res 44:116-32, Oct 70

Hydrogen transfer from exchangeable to carbon-bound sites in gamma-irradiated dry proteins. Scher CD, et al. Radiat Res 44:35-49, Oct 70

Effect of food preirradiation on the fecundity of two insects: mealy bugs (Pseudaulacaspis pentagona Targ.) and Indian-meal moths (Plodia interpunctella Hübn.). Seuge J, et al. Radiat Res 45:210-5, Jan 71

The effects of microwave exposure on thymidine-3H uptake in albino rats. Sharp JC, et al. Radiat Res 45:434-9, Feb 71

Stimulated uptake of alpha-aminoisobutyric acid in rat liver following whole-body gamma-irradiation. Shihabi Z, et al. Radiat Res 45:202-9, Jan 71

Extracorporeal irradiation of blood by beta-emitting isotopes: principles of dose calculations. Slatkin DN, et al. Radiat Res 44:846-54, Dec 70

Radiation-induced hydrogen transfer in nucleic acids, proteins, and related substances: effects of temperature and scavengers. Smitherman TC, et al. Radiat Res 46:251-67, May 71

Radiosensitivity studies with woody plants. II. Survival data for 13 species irradiated chronically for up to 8 years. Sparrow AH, et al. Radiat Res 44:154-77, Oct 70

Bone marrow, spleen, and thymus regeneration patterns in mice after whole-body irradiation. Takada A, et al. Radiat Res 45:522-35, Mar 71

Effect of 800 R thoracic x-irradiation on lung tissue biochemistry. Tombropoulos EG, et al. Radiat Res 44:76-86, Oct 70

The effect of x-irradiation on collagen metabolism in polyvinyl-sponge granulomas. Traelnes KR, et al. Radiat Res 47:224-32, Jul 71

The luminescence of water excited by ambient ionizing radiation. Uickenden TI, et al. Radiat Res 46:28-35, Apr 71

Relative biological effectiveness of x-rays and 0.43-MeV monoenergetic neutrons on somatic mutations and loss of reproductive integrity in Tradescantia stamen hairs. Underbrink AG, et al. Radiat Res 44:187-203, Oct 70

Decreases in 40-Hz EEG activity in the olfactory bulb following -irradiation of the cat. Uzzell BP, et al. Radiat Res 46:343-52, May 71

The decomposition of adenine by ionizing radiation. Van Hemmen JJ, et al. Radiat Res 46:444-56, Jun 71

The effect of whole-body x-radiation on the incorporation of 14C-lysine in nonproliferating and proliferating tissues. Van Lancker JL, et al. Radiat Res 44:68-75, Oct 70

The effect of prenatal -irradiation on postnatal enzyme development in the Beagle. Wagner MT Jr, et al. Radiat Res 46:380-93, May 71

The radiolysis of substituted aromatics: isomer effects. Weiss J. Radiat Res 45:252-60, Feb 71

Mechanism of renal acid excretion following x-irradiation of the dog. Welbourne TC, et al. Radiat Res 47:472-9, Aug 71

Comparison of electrical discharge with gamma-radiation for the production of free radicals in lyophilized proteins. White FH Jr, et al. Radiat Res 45:8-24, Jan 71

Effects of x-irradiation on steroid synthesis in the human placenta. Wiener M. Radiat Res 47:213-23, Jul 71

In vitro uptake of model amino acids by rat liver following whole-body -irradiation. Yang KP, et al. Radiat Res 47:500-10, Aug 71

Radiation effects on macromolecular synthesis in contact inhibition-sensitive cells synchronized by medium change. Yoshikura H. Radiat Res 47:548-61, Aug 71

Radiation exposure-rate dependence of the immune response in mice. Carlson DE, et al. Radiology 97:433-8, Nov 70

Low-dose-rate irradiation of mammalian cells with radium and californium 252. A comparison of effects on an actively proliferating cell population. Hall EJ, et al. Radiology 99:445-51, May 71

Acute changes in pulmonary arterial perfusion following irradiation. Korsower JM, et al. Radiology 100:691-3, Sep 71

Marrow-derived thymus precursor cells. Availability and potential for reseeding bone marrow. Order S, et al. Radiology 99:177-83, Apr 71

Immunity to dictyocaulus viviparus in calves. Vaccination with larvae attenuated by triethylene melamine (TEM) or x-irradiation and protection against field challenge. Cornwell RL, et al. Res Vet Sci 11:569-74, Nov 70

Immunity to Dictyocaulus viviparus in calves. II. Vaccination with normal larvae or larvae attenuated by triethylene melanime (TEM) or x-irradiation and exposure to experimental challenge. Cornwell RL, et al. Res Vet Sci 11:560-8, Nov 70

Effects of ionizing radiations on oxygen uptake by rat liver slices, mitochondria, and mitochondrial membranes. Jordana R, et al. Rev Esp Fisiol 27:63-7, Mar 71

Incorporation of 14C- and 3H-thymidine in lymphocytes after extracorporeal irradiation of the blood. Rosengren B, et al. Rev Eur Etud Clin Biol 15:778-82, Aug-Sep 70

Catalase activity in various rat tissues after x-ray irradiation, LD50. Capalna S, et al. Rev Roum Physiol 6:75-80, 1969

Response of taxigenic and non-toxigenic strains of Aspergillus flavus to irradiation. Frank HK, et al. Sabouraudia 9:21-6, Mar 71

Oxygen tension of cervical carcinoma during the early phase of external irradiation. II. Measurements with bare platinum micro electrodes. Bergsjö P, et al. Scand J Clin Lab Invest 27:71-82, Feb 71

Studies on lymphocytes during extracorporeal irradiation of the blood in patients with active cirrhosis. Andersen V, et al. Scand J Haematol 7:471-7, 1970

Haemolysis in patients with chronic lymphocytic leukaemia during extracorporeal irradiation of the blood. Andersen V, et al. Scand J Haematol 7:222-32, 1970

Cell cycle effect of extracorporeal irradiation of the blood in acute myeloid leukaemia. Ernst P, et al. Scand J Haematol 8:21-4, 1971

The effect of extended-field radiotherapy on peripheral blood values in advanced Hodgkin's disease. Host H. Scand J Haematol 7:304-8, 1970

Radiation induced changes in red cell filterability. Karle H, et al. Scand J Haematol 8:72-4, 1971

On-transient of insect electroretinogram: its cellular origin. Alawi AA, et al. Science 172:1055-7, 4 Jun 71

Laser stimulation of nerve cells in Aplysia. Fork RL. Science 171:907-8, 5 Mar 71

Behavioral sensitivity to microwave irradiation. King NW, et al. Science 172:398-401, 23 Apr 71

Red-green cone interactions in the increment-threshold spectral sensitivity of primates. Sperling HG, et al. Science 172:180-4, 9 Apr 71

DNA synthesis in differentiating skeletal muscle cells: initiation by ultraviolet light. Stockdale FE. Science 171:1145-7, 19 Mar 71

DNA polymerase required for rapid repair of x-ray-induced DNA strand breaks in vivo. Town CD, et al. Science 172:851-4, 21 May 71

EEG responses in regularly menstruating women and in amenorrheic women treated with ovarian hormones. Vogel W, et al. Science 172:388-91, 23 Apr 71

Photosensitivity of the circadian rhythm and of visual receptors in carotenoid-depleted Drosophila. Zimmerman WF, et al. Science 171:1167-9, 19 Mar 71

A comparison of the effects of single and fractionated irradiation on the phagocytic function of the RES in normal and starved rats. Antonijevic M. Strahlentherapie 139:228-35, Feb 70

Studies on the phagocytic function of rat bone marrow after whole-body irradiation. I. Phagocytic capability of bone marrow reticular cells in normal rats. Antonijevic M, et al. Strahlentherapie 141:478-84, Apr 71

Combined effect of irradiation and of some hormones on catheptic activity in rat spleen. Babnik J, et al. Strahlentherapie 140:557-60, Nov 70

Hormone-mediated changes of liver polyribosomes in irradiated rats. Baeyens W, et al. Strahlentherapie 140:204-12, Aug 70

Morphologic and immunologic changes induced in the lungs of rats by localized irradiation. De Halleux F. Strahlentherapie 139:196-202, Feb 70

Incidence of dominant lethal mutations after x-irradiation of spermatozoa of mice and rats. Gilliavod N, et al. Strahlentherapie 141:351-3, 1971

Oscillopolarographic determination of cystein acid level in the fingernails followed chronic irradiation in humans. Grozdanovic J, et al. Strahlentherapie 139:735-7, Jun 70

Studies of the influence of wavelength on biological effects. Time and dose differentials at "radiation action sites" in the skin. Jolies B, et al. Strahlentherapie 139:716-23, Jun 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Influence of some cytostatics and other biologically active substances on catheptic activity in organs of normal and irradiated rats. Lebez D, et al. Strahlentherapie 139:217-20, Feb 70

Cell population kinetics in acute intestinal radiation death. Okumura Y, et al. Strahlentherapie 141:358-61, 1971

The survival of 51Cr-labeled erythrocytes in dependence to the dose of whole-body x-irradiation. Prouza Z, et al. Strahlentherapie 140:221-30, Aug 70

Effect of thyroid stimulating hormone and radiophosphorus irradiation on the blood components of Heteropneustes fossilis Bloch.. Srivastava PN, et al. Strahlentherapie 139:565-70, May 70

The effect of radiophosphorus on the development of gonads in mice. Srivastava PN, et al. Strahlentherapie 139:738-43, Jun 70

Autoradiographic studies on 3H-thymidine incorporation in the liver and kidneys of irradiated mice. Unger E, et al. Strahlentherapie 141:354-7, 1971

Circadian variations in the effect of x-irradiation on the haematopoietic stem cells of mice. Vacek A, et al. Strahlentherapie 140:302-6, Sep 70

On the occurrence of ectopic thyroid in the normal and experimental Indian palm squirrel Funambulus pennanti (Wroughton). Vijayan E, et al. Strahlentherapie 141:485-90, Apr 71

Changes of activity of proteolytic enzymes in blood and urine of whole-body x-irradiated animals. Vranovská J, et al. Strahlentherapie 141:472-7, Apr 71

Prolongation of allograft survival by donor irradiation. Kyger ER 3d, et al. Surg Forum 21:288-9, 1970

Implantable nuclear power sources for artificial organs: preliminary pathologic effects. II. Sandberg GW Jr, et al. Surg Forum 21:198-200, 1970

Cyanocrylate monomers in anastomosis of irradiated intestine preventing anastomotic leaks. Sterchi M, et al. Surg Forum 21:332-4, 1970

Open-field behavior and heart rate in prenatally X-irradiated rats. Furchtgott E, et al. Teratology 1:201-8, May 68

Pulmonary alveolar surfactant in irradiated lung of rat. Oikawa M. Tohoku J Exp Med 102:265-72, Nov 70

Radiosensitivity of mammalian cells. IV. Change of DNA content in nuclei of rat somatic cells after irradiation. Kobayashi J. Tokushima J Exp Med 17:47-55, Nov 70

Radiosensitivity of mammalian cells. V. DNA synthesis in mouse somatic cells and tumor cells in vitro after irradiation. Kobayashi J. Tokushima J Exp Med 17:105-7, Nov 70

Infectivity of irradiated larvae of Dirofilaria immitis. Guest MF, et al. Trans R Soc Trop Med Hyg 65:403-4, 1971

Immunization against Schistosoma japonicum in chimpanzees by administration of x-irradiated cercariae. Hsü SY. Trans R Soc Trop Med Hyg 64:597-600, 1970

Resistance of mice and rats to Babesia rodhaini challenge after inoculation with irradiated B. rodhaini infected red cells. Phillips RS. Trans R Soc Trop Med Hyg 64:470, 1970

Migration of transplanted hematopoietic stem cells to the spleen of irradiated mice. Boggs DR, et al. Transplantation 11:191-2, Feb 71

Restoration of thymectomized irradiated mice by frozen and stored thymus grafts. Cheers C, et al. Transplantation 10:505-11, Dec 70

Synergism in immunosuppression. I. Effect of methylprednisolone, azathioprine, chlorambucil, and radiation on tetanus antitoxin production. Friedman EA, et al. Transplantation 11:479-86, May 71

Dissociation of splenomegaly from graft-versus-host disease by host x-irradiation. Hilgard HR. Transplantation 10:396-402, Nov 70

A blastogenic factor in unidirectional mixed cultures with x-irradiated cells. Kasakura S. Transplantation 11:117-21, Feb 71

Changed differentiation pattern of parental colony-forming cells in F1 hybrid mice suffering from graft-versus-host disease. Kitamura Y, et al. Transplantation 10:455-62, Dec 70

Skin allograft survival in mice after radioprotection with sodium S-(2-aminoethyl) phosphorothioate and supralethal total body X-irradiation. Saltzstein EC, et al. Transplantation 10:451-3, Nov 70

Ultrasonic absorption--a new technique. Woodcock JP. Ultrasonics 8:213-5, Oct 70

Analysis of multiplicity reactivation in x-irradiated bacteriophage T4D. Campbell DA. Virology 44:188-99, Apr 71

Induction of cellular DNA synthesis by supercoiled SV40 DNA in x-irradiated mouse 3T3 cells. Rozenblatt S, et al. Virology 43:300-3, Jan 71

Lack of polarity of DNA injection by Escherichia coli phage lambda. Sharp JD, et al. Virology 43:176-84, Jan 71

Interruption of DNA injection by x-irradiation of phage lambda. Sharp JD, et al. Virology 43:166-75, Jan 71

Trapping of unreplicated phage DNA into spores of Bacillus subtilis and its stabilization against damage by 32P decay. Sonenshein AL. Virology 42:488-95, Oct 70

Effects of conditioned medium prepared with denatured cell on the lymphocyte. Kawaguchi T. Wakayama Med Rep 14:49-52, Sep 70

Isolation of a benz(a)pyrene-thymine photoadduct from DNA hydrolized after irradiation at 365 nm in the presence of benz(a)pyrene. Antonello C, et al. Z Naturforsch [B] 25:1269-71, Nov 70

The sparing effect of UV- and X-ray-fractionation in starved diploid yeast. Kiefer J. Z Naturforsch [B] 26:129-33, Feb 71

Oxygen effect in gamma-irradiated DNA. Lücke-Huhle C, et al. Z Naturforsch [B] 25:1264-8, Nov 70

Influence of chloramphenicol in irradiated bacteria. Mukherjee P, et al. Z Naturforsch [B]. 25:1071-2, Sep 70

On the recovery of x-irradiated bacteria. Mukherjee P. Z Naturforsch [B] 26:622-3, Jun 71

Advanced initiation of synchronous mitoses in physarum polycephalum following UV-irradiation. Sachsenmaier W, et al. Z Naturforsch [B] 25:866-71, Aug 70

Effects of continuous lighting on glycogen in the pineal cells of the mouse: a quantitative histochemical study. Kachi T, et al. Z Zellforsch Mikrosk Anat 118:214-20, 1971

Influence of light and darkness on the hypothalamo-hypophysial system of Rana temporaria L. Vullings HG. Z Zellforsch Mikrosk Anat 113:174-87, 1971

[Study of the biochemical activity of anastomose strains of Aspergillus niger under the effects of x-rays] Pashev I, et al. Izv Mikrobiol Inst (Sofiia) 20:15-20, 1969 (Bul)

[Survival of 51 Cr labeled erythrocytes in relation to the dose and whole body irradiation] Prouza Z, et al. Cas Lek Cesk 110:502-8, 1971 (Cze)

[Threshold dose from the aspect of contemporary theories on the biological effect of ionizing radiation] Sedlák A. Cas Lek Cesk 110:278-81, 19 Mar 71 (Cze)

[Current possibilities of biologic dosimetry] Tuscany R. Cas Lek Cesk 109:1036-8, 23 Sep 70 (Cze)

[Influence of beta irradiation (Sr 90) on the nervous plexus of the cornea. I. Study by vital staining with methylene blue] Simková M. Cesk Oftalmol 27:212-7, Jul 71 (Cze)

[Influence of beta irradiation (Sr 90) on the corneal nervous plexus. II. Study by silvr impregnation] Vrabec J, et al. Cesk Oftalmol 27:218-22, Jul 71 (Cze)

[Volume, gonadal and bone marrow dose in the workers of the x-ray department. Attempt to calculate doses on the basis of personal film dosimetry] Hájek V, et al. Cesk Radiol 25:159-64, Jul 71 (Cze)

[Effect of ionizing radiation on the teeth and maxillofacial bone structure during development. Report of a case of myxoma] Douniau R, et al. Acta Stomatol Belg 67:451-65, 1970 (Fre)

[Effect of thymectomy on anamnestic reaction of isogenic radiation chimeras] Jonard J, et al. Ann Inst Pasteur (Paris) 120:767-78, Jun 71 (Fre)

[Coagulase production by irradiated Staphylococcus aureus] Kiortsis M. Ann Inst Pasteur (Paris) 119:312-9, Sep 70 (Fre)

[The implantation of a labelled graft to follow the regeneration of normal or total body irradiated planarians] Gabriel A. Annee Biol 9:519-26, Jul-Oct 70 (Fre)

[Nuclear degeneration in Nereis diversicolor of O. F. Muller (polychaete annelid)] Bautz AM. Arch Anat Histol Embryol (Strasb) 52:333 passim, 1969 (Fre)

[Autoradiographic study of the effect of x-rays on DNA and RNA synthesis during segmentation and gastrulation of Pleurodeles waltlii Michah] Alexandre H. Arch Biol (Liege) 81:139-62, 1970 (Fre)

[Repair of radiolesions responsible for the formation of micronuclei and ana-telophase bridges in the rat liver] Barbason H. Arch Biol (Liege) 81:51-60, 1970 (Fre)

[Radiosensitivity of germinal and somatic cells of the hermaphrodite gonad of Asterina gibbosa Penn following x-irradiation. Ultrastructural study of differential radiolesions] Bruslé J. Arch Biol (Liege) 80:451-70, 1969 (Fre)

[Comparative radiosensitivity of nuclear and mitochondrial DNA synthesis in rat liver] Baugnet-Mahieu L, et al. Arch Int Physiol Biochim 78:160-1, Feb 70 (Fre)

[Changes in the aerobic oral flora after buccopharyngeal radiotherapy] Llory H, et al. Arch Oral Biol 16:617-30, Jun 71 (Fre)

[Action of gamma radiation on enterococcal bacteriophage 341] Ciucă M, et al. Arch Roum Pathol Exp Microbiol 28:219-24, Mar 69 (Fre)

[On the sensitivity of defective bacteriocinogenic bacteria to ultraviolet rays] Hamon Y, et al. Arch Roum Pathol Exp Microbiol 28:1080-2, Dec 69 (Fre)

[Comparative study of the lethal and mutagenic action of chemical agents and radiations on the MS2 bacteriophage and its infectious RNA] Krivisky AS, et al. Arch Roum Pathol Exp Microbiol 28:866-76, Dec 69 (Fre)

[Action of gamma rays on bacteria used as sanitary indicators] Pieceas M, et al. Arch Roum Pathol Exp Microbiol 28:587-90, Jun-Sep 69 (Fre)

[Peroxides produced from thymine by gamma irradiation in aerated solution] Cadet J, et al. Biochim Biophys Acta 238:8-26, 29 Apr 71 (Fre)

[Influence of the digestive tract on the catabolism of serum albumin in normal and irradiated mice] Telia M, et al. Biol Gastroenterol (Paris) 2:191-8, 1969 (Fre)

[Some overall effects of x-irradiation on Bombyx mori larvae as a function of the physiological condition of the insect. I. Study of the mortality] Coulon M. Bull Biol Fr Belg 105:53-61, 1971 (Fre)

[Some overall effects of x-irradiation on Bombyx mori larvae as a function of the physiological condition of the insect. II. Study of growth] Coulon M. Bull Biol Fr Belg 105:63-77, 1971 (Fre)

[Cutaneous reactions induced by electron beams] Eschwege F, et al. Bull Cancer (Paris) 56:13-8, Jan-Mar 69 (Fre)

[Electron microscopy study of the 1st stages of infection of monkey kidney cells (Rhesus resus) by SV40 virus irradiated by ultraviolet or gamma rays] Ferreira-Salgado MA. Bull Cancer (Paris) 55:399-412, Jul-Sep 68 (Fre)

[Technical findings apropos of postoperative irradiation of the thoracic wall in cancer of the breast] Juillard G, et al. Bull Cancer (Paris) 56:99-102, Jan-Mar 69 (Fre)

[Complementary treatment of Hodgkin's disease by irradiated tumor extracts (experimental and clinical trials)] Latarjet R, et al. Bull Cancer (Paris) 56:221-30, Jul-Sep 69 (Fre)

[Radiobiological effects of high energy electrons] Wambersie A. Bull Cancer (Paris) 56:31-41, Jan-Mar 69 (Fre)

[Comparative action of hydrocortisone and cyclic AMP on the multiplication of cells in culture (strain KB) and their survival after ultraviolet irradiation] Aujard C. C R Acad Sci [D] (Paris) 272:3340-3, 28 Jun 71 (Fre)

[Survival of a tumour held in organ culture after irradiation with x-rays] Beaupain R. C R Acad Sci [D] (Paris) 271:2399-402, 21 Dec 70 (Fre)

[Formation of hydrogen peroxide during gamma irradiation of corn starch] Berger G, et al. C R Acad Sci [D] (Paris) 272:1455-8, 8 Mar 71 (Fre)

[Evolution of radiosensitivity during embryogenesis in the Colorado beetle (Leptinotarsa decemlineata Say)] Biuzat R. C R Acad Sci [D] (Paris) 272:1542-5, 15 Mar 71 (Fre)

[Protective action of adenosine on the survival of rabbit erythrocytes irradiated by x-rays or fast neutrons] Dantchev-Urbain M, et al. C R Acad Sci [D] (Paris) 271:1541-4, 28 Oct 70 (Fre)

[Modifications of arterial pressure and cardiac rhythm in the nonanesthetized rabbit submitted to global gamma irradiation] Dufour R, et al. C R Acad Sci [D] (Paris) 272:2034-7, 14 Apr 71 (Fre)

[Influence of very low irradiations with Co-60 on the development of Drosophila melanogaster] Giess MC, et al. C R Acad Sci [D] (Paris) 271:1410-3, 19 Oct 70 (Fre)

[Effects of gamma rays on the phospholipase A activity of the Sticker sarcoma] Lloveras J, et al. C R Acad Sci [D] (Paris) 272:2641-3, 17 May 71 (Fre)

[Action of a semi-lethal global gamma irradiation on the test of hyperglycemia induced intravenously in rabbits] Sentenac-Roumanou H, et al. C R Acad Sci [D] (Paris) 272:1924-7, 5 Apr 71 (Fre)

[Variations in medullary lymphoid populations in mice irradiated with a sublethal dose and receiving a marrow graft 6 to 11 days later] Delrez M, et al. C R Soc Biol (Paris) 164:2152-4, 1970 (Fre)

[Kinetic of survival of Azotobacter chroococcum subjected to the action of Co60 irradiation and a radiomimetic agent] Goussard J, et al. C R Soc Biol (Paris) 164:764-7, 1970 (Fre)

[Lymphoid regeneration of hematopoietic marrow in mice subjected to whole-body irradiation of 400 R followed by a local irradiation of the thymus] Haot J de. C R Soc Biol (Paris) 164:2150-2, 1970 (Fre)

[Study of the development of Paramecium aurelia in subterranean laboratories: influence of natural ionizing radiations] Planel H, et al. C R Soc Biol (Paris) 164:654-8, 1970 (Fre)

[Effect of short term corticoid treatment on the lymphoid population of irradiated hematopoietic bone marrow] Schmitz A, et al. C R Soc Biol (Paris) 164:1868-70, 1970 (Fre)

[Influence of a second irradiation on the survival of C57B1 mice subjected to a first dose of 400 R at 9,12,15 or 20 days previously] Schmitz A, et al. C R Soc Biol (Paris) 164:2155-7, 1970 (Fre)

[Localization and transmission of a viable chromosomal mutation on Pleurodeles waltlii Michah. (Amphibia, Urodela)] Labrousse M. Chromosoma 33:409-20, 1971 (Fre)

[Electron microscope study of the effect of x-ray on the development of cytoplasmic and nuclear structures during cleavage of Pleurodeles waltlii ova] Alexandre H, et al. Exp Cell Res 65:145-55, Mar 71 (Fre)

[Complementary treatment of Hodgkin's disease with irradiated tumor extract. Experimentation and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

clinical studies] Latarjet R, et al.
Haematol Lat 12:397-406, Jul-Dec 69 (Fre)
[Mathematical study of the kinetics of radiocesium in the ewe] Hanout R, et al.
Health Phys 20:601-11, Jun 71 (Fre)
[Gamma irradiation of thymine in deaerated aqueous solution: cis and trans 6-hydroxy 5,6 dihydrothymine] Cadet J, et al.
Int J Appl Radiat Isot 22:273-80, May 71 (Fre)
[On the degassing at low temperature of titanium targets impregnated with hydrogen isotopes] Germai G, et al. Int J Appl Radiat Isot 21:595-8, Oct 70 (Fre)
[Inactivation of gross leukemia virus by UV, X, and gamma-radiation] Latarjet R.
Int J Cancer 6:31-9, 15 Jul 70 (Fre)
[Appearance of sensitivity to tumorigenic action from x-rays in the zygote of Drosophilia (D. melanogaster, Meig.)] Ghélélovitch S.
Int J Radiat Biol 18:331-45, 1970 (Fre)
[On the effect of kallikrein on irradiated skin of large white pigs] Goffin JC, et al.
J Belge Radiol 53:300-10, Jul-Aug 70 (Fre)
[Metabolism and toxicity of plutonium] Maisin JR.
J Belge Radiol 51:274-83, 1968 (Fre)
[Hairs and ionizing radiations] Van Caneghem P.
J Belge Radiol 51:253-61, 1968 (Fre)
[Erythema after administration of ionizing radiations] Van Caneghem P. J Belge Radiol 51:84-8, 1968 (Fre)
[Experimental study on abdominal irradiation 3 days after anastamosis of the small intestine in rats] Brunet M, et al. J Chir (Paris) 100:429-30, Nov 70 (Fre)
[Effect of global irradiation on visual evoked potentials in adult rabbits] Avargues M, et al.
J Physiol (Paris) 1:Suppl 1:81, 1969 (Fre)
[Sterilization of Coturnix coturnix qualis by x-rays] Brard E. J Physiol (Paris) 62:Suppl 3:354-5, 1970 (Fre)
[Changes of sleep rhythms after an gamma irradiation in cats] Riotte M, et al.
J Physiol (Paris) 62:Suppl 2:310, 1970 (Fre)
[Investigations on the radiosensitivity of malignant lumbar-aortic and pelvic adenopathies by lymphography] Douchez J, et al.
J Radiol Electrol Med Nucl 51:743-7, Dec 70 (Fre)
["Monoblock" irradiation of the ganglionic area after ablation of the breast] Quint R, et al.
J Radiol Electrol Med Nucl 51:835-7, Dec 70 (Fre)
[Comparison between oxygen emission and luminescence emission after a series of saturating flashes] Barbieri G, et al.
Photochem Photobiol 12:197-206, Sep 70 (Fre)
[Eventual biological and physiopathological effects of UHF electromagnetic radiation from "aerial radar"] Joly R, et al.
Rev Corps Sante Armees 10:239-59, Jun 69 (Fre)
[Radiation in the dental office] Jammes MR.
Rev Dent Liban 20:11-20, Sep 70 (Fre)
[Studies of the proteins and lipids of the hepatic cell during regeneration. II. Comparative study of the action of small doses of x-rays and of a synthetic anabolic steroid] Butculesco I, et al.
Rev Roum Physiol 8:103-10, 1971 (Fre)
[Biochemical imbalances induced in the rat brain by irradiation and the protective effect of cysteine] Gheorghe N, et al.
Rev Roum Physiol 7:145-54, 1970 (Fre)
[Effect of ionizing radiations on the complex lipids of the brain and the protective action of cysteine] Tănase I, et al. Rev Roum Physiol 7:155-61, 1970 (Fre)
[Histological manifestation of radiation epithelitis of the mouth during treatments with physical agents] Calvet J, et al.
Rev Stomatol Chir Maxillofac 72:179, Mar 71 (Fre)
[Maxillo-facial and bucco-dental complications of ionizing radiation treatments] Ennuyer A, et al.
Rev Stomatol Chir Maxillofac 72:163-78, Mar 71 (Fre)
[Necrotic lesions of the jaw after radiotherapy of mouth cancers; statistical incidence, surgical treatment] Parabita GF, et al.
Rev Stomatol Chir Maxillofac 72:198-9, Mar 71 (Fre)
[Maxillo-facial and bucco-dental complications during treatments with ionizing rdiation] Piaza FL.
Rev Stomatol Chir Maxillofac 72:181, Mar 71 (Fre)
[Surgical treatment of 2 mandibular osteoradionecroses] Pons J, et al.
Rev Stomatol Chir Maxillofac 72:189-91, Mar 71 (Fre)
[Experimental and clinical studies on the effects of x-rays in the cicatrization of the alveolar wound after extraction] Schüle H.
Rev Stomatol Chir Maxillofac 72:346-50, Mar 71 (Fre)
[After-effects of irradiation of the maxilla] Siesinger J.
Rev Stomatol Chir Maxillofac 72:182, Mar 71 (Fre)
[Treatment of radionecroses of the bones and face] Timosca G, et al.
Rev Stomatol Chir Maxillofac 72:194-7, Mar 71 (Fre)
[Radiotherapy and salivary pH. Experimental animal studies and observations in man] Boutboul F.
Schweiz Monatsschr Zahnheilkd 81:738-47, Aug 71 (Fre)
[Short-term effect of radiation on rectal and gastric mucosa: presentation of 2 cases] Delage C, et al.
Union Med Can 98:1314-20, Aug 69 (Fre)
[Development of amylase activity in fetal rats (pancreas, liver, serum) in the placenta and amniotic fluid. Changes in amylase activity after whole body irradiation of the mother animal with 800 R] Goetze T, et al. Acta Biol Med Ger 24:569-78, 1970 (Ger)
[Host capacity for RNA-phages] Rosenthal HA, et al.
Acta Biol Med Ger 24:535-44, 1970 (Ger)
[Histochemical and histological studies of bone marrow sections from Wistar rats after single total-body irradiation with various x-ray dosages] Jonecko A, et al. Acta Histochem (Jena) 39:257-67, 1971 (Ger)
[Comparative electroencephalographic and histologic studies after roentgen irradiation of the rabbit brain] Betetto M. Acta Med Iugosl 24:301-12, 1970 (Ger)
[Deep dosimetry for 15-MeV neutrons on the model of the rabbit eye] Krüger H, et al.
Albrecht von Graefes Arch Klin Ophthalmol 180:134-9, 1970 (Ger)
[The effect of ultraviolet radiation upon the visual organ of man] Můsová A, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:25-30, 1970 (Ger)
[Pathomorphology of whole-body irradiated Vietnamese slack-bellied swine] Schäfer R, et al.
Arch Exp Veterinaermed 24:1301-23, 1970 (Ger)
[Sensitivity of mammalian cells to ultraviolet rays in vitro] Buder E, et al.
Arch Geschwulstforsch 33:319-30, 1969 (Ger)
[In vitro irradiation of embryonic hamster fibroblasts with UV of 280 nm wave length] Buder E, et al.
Arch Geschwulstforsch 36:335-8, 1970 (Ger)
[Studies on the indirect effect of radiation with electrons] Münzner R.
Arch Mikrobiol 77:65-73, 1971 (Ger)
[Irradiation of 2-morpholinomethyl-phenol in tetrahydrofuran. 1. Photochemistry of 2-aminomethylphenol] Roth HJ, et al.
Arch Pharm (Weinheim) 304:278-87, Apr 71 (Ger)
[Irridation of 2-morpholinomethyl phenol in isopropanol. 5. Photochemistry of 2-amino-methyl-phenols] Roth HJ, et al.
Arch Pharm (Weinheim) 304:493-504, Jul 71 (Ger)
[Irradiation of 1-piperidinomethyl-naphthol-(2) in tetrahydrofuran. 2. Photochemistry of 2-aminomethyl-phenol] Roth HJ, et al.
Arch Pharm (Weinheim) 304:418-24, Jun 71 (Ger)
[Irradiation of 2-morpholinomethyl-phenol in ethanol. 4. Photochemistry of 2-aminomethyl phenole] Roth HJ, et al.
Arch Pharm (Weinheim) 304:467-71, Jun 71 (Ger)
[Irridation of 3-morpholinomethyl phenole in dioxane. 3. Photochemistry of 2-aminomethyl-phenole] Roth HJ, et al.
Arch Pharm (Weinheim) 304:461-6, Jun 71 (Ger)
[Interference-microscopic study of dry weight and water content in bronchial epithelial cells in rabbits after Co60-gamma irradiation] Nikulin A, et al.
Beitr Pathol 142:235-43, 1971 (Ger)
[The dependence of the photosensitivity of animo acids on their micro-environment] Dose K, et al.
Biophysik 7:140-5, 1971 (Ger)
[A comparison of the effect of ionizing radiation on peptide-bound and free amino acids in the solid state] Dose K, et al. Biophysik 7:146-51, 1971 (Ger)
[Preliminary results of studies on lymphocytes, frozen and irradiated at low temperatures. 3. The behaviour of radiation induced radicals in frozen lymphocyte cultures depending on temperature] Grillmaier RE, et al. Biophysik 7:133-9, 1971 (Ger)
[Preliminary results of studies on lymphocytes, frozen and irradiated at low temperatures. II. Chromosome aberration yield of human lymphocytes after X-irradiation at -196 degrees C] Grillmaier RE.
Biophysik 7:126-32, 1971 (Ger)
[No protective effect of procaine hydrochloride in gamma-ray damaged, stationary E. coli B 163] L'Orange R, et al. Biophysik 7:40-6, 1970 (Ger)
[Saturation characteristics during electron spin resonance of free radicals in irradiated carbohydrates] Neubacher H.
Biophysik 7:47-54, 1970 (Ger)
[Changes in the hard dental tissues and filling materials caused by solid body and gas laser beams] Lenz E.
Dtsch Stomatol 21:406-13, May 71 (Ger)
[Life-prolonging effect of gamma-rays on males of the larch moth Zetraphera diniana (Lepidoptera: Tortricidae)] Benz G.
Experientia 26:1252-3, 15 Nov 70 (Ger)
[Characteristics of the estrus cycle after x-ray irradiation of the diencephalon area in female rats] Ljubenov I, et al.
Folia Med (Plovdiv) 12:75-80, 1970 (Ger)
[Method for elimination of the solvent scattering component in x-ray and neutron smal angle scattering erified with heoglobin solutions] Schneider R, et al.
Hoppe Seylers Z Physiol Chem 351:1499-502, Dec 70 (Ger)
[Behavior of different microsomal drug oxidations following inactivation of cytochrome P-450 by UV-irradiation or deoxycholate treatment] Uehleke H, et al.
Hoppe Seylers Z Physiol Chem 351:1475-84, Dec 70 (Ger)
[Intraocular pressure in thermal-gallery treatment. Preliminary report] Ehrich W.
Klin Monatsbl Augenheilkd 158:690-4, May 71 (Ger)
[Irradiation changes in normal and atypical squamous epithelium of the cervix uteri] Hilgarth M.
Med Lab (Stuttg) 23:185-8, Aug 70 (Ger)
[Changes due to preparation in lethally damaged tissue culture cells] Schäfer D.
Mikroskopie 26:26-9, Jun 70 (Ger)
[Inhibiting influence of blue and red light on Trichophyton] Buchnícek J.
Mykosen 14:393-7, 1 Aug 71 (Ger)
[Irradiation hazard in medicine--a pressing problem?] Fridrich R. Praxis 60:5-12, 5 Jan 71 (Ger)
[The effect of roentgen doses on digestion in culture chicken heart myoblasts] Neubert-Kirfel D.
Protoplasma 70:389-404, 1970 (Ger)
[SH group composition of yeast alcohol dehydrogenase after Co60-gamma-irradiation] Ganzke I, et al.
Radiobiol Radiother (Berl) 11:329-33, 1970 (Ger)
[Changes of the white blood cell picture in the conbined use of x-ray irradiation and cyclophosphamide] Glaser FH, et al.
Radiobiol Radiother (Berl) 11:441-8, 1970 (Ger)
[Use of lysogenic bacteria for the determination of energy doses of longwave roentgen radiation] Kuznecova LA, et al.
Radiobiol Radiother (Berl) 11:621-7, 1970 (Ger)
[Effect of seasonal changes on the daily periodicity of radiosensitivity in mice] Kuznecova SS.
Radiobiol Radiother (Berl) 11:611-9, 1970 (Ger)
[Studies on the behavior of leukocyte volume in whole body and partial body irradiation] Neumeister K, et al.
Radiobiol Radiother (Berl) 11:435-40, 1970 (Ger)
[LiF thermoluminescence dosimetry in pre-treated rats after partial and whole body irradiation] Reichel G, et al.
Radiobiol Radiother (Berl) 11:643-8, 1970 (Ger)
[Immunoelectrophoretic examinations of the effect of whole body irradiation on the serum protein picture of juvenile rats] Rose H, et al.
Radiobiol Radiother (Berl) 11:471-4, 1970 (Ger)
[Follow-up studies of the urinary tracts in patients with testicular tumors after conventional and telecobalt radiation therapy] Taubert W, et al.
Radiobiol Radiother (Berl) 11:601-9, 1970 (Ger)
[Dose distribution in the kidneys and efferent urinary tracts in patients with testicular tumors after conventional and telecobalt irradiation] Tietze D, et al. Radiobiol Radiother (Berl) 11:597-600, 1970 (Ger)
[Histological and histochemical observations on the adrenal gland of rats after local and whole body irradiation] Unger E.
Radiobiol Radiother (Berl) 11:737-48, 1970 (Ger)
[Effect of small doses of roentgen rays on the central nervous system] Vasculescu T, et al.
Radiobiol Radiother (Berl) 11:629-42, 1970 (Ger)
[Significance of threshold rays for the exploration of unsolved problems of the entire X-ray spectrum] Becker O. Radiol Clin Biol 39:247-52, 1970 (Ger)
[Fetal tolerance to roentgen rays. Case report: birth of an unsuspicious child after x-ray exposure in utero during the first three months of gestation] Buchheim CE. Radiol Clin Biol 40:22-8, 1971 (Ger)
[Chromosome anomalies as biological dosimetry] Fritz-Niggli H.
Strahlenschutz Forsch Prax 11:36-47, 1971 (Ger)
[Studies on bone calcium metabolism after local roentgen irradiation. X. Sex-related differences in the general reaction] Babický A, et al.
Strahlentherapie 139:203-8, Feb 70 (Ger)
[Function and morphology of hypertrophic rabbit kidney after telecobalt-irradiation with 1000 to 4000 rad] Bargon G, et al.
Strahlentherapie 140:693-704, Dec 70 (Ger)
[Significance of marginal rays for radiation research. 3. Phenomenon of fundamental difference in the effect and mechanism of the direct and indirect absorption of quautum energy on the cell complex level within the regulatively controled entirety] Becker O.
Strahlentherapie 140:678-86, Dec 70 (Ger)
[Regulation of lipid metabolism in the liver of an irradiated mouse] Berndt J.
Strahlentherapie 140:577-93, Nov 70 (Ger)
[Glycogen synthesis from tagged precursors in the liver of irradiated mice] Berndt J, et al.
Strahlentherapie 139:209-16, Feb 70 (Ger)
[Radiation effect on intestinal capillaries and the influence of O-(beta-hydroxyethyl)-rutoside (HR)] Braun H. Strahlentherapie 140:533-9, Nov 70 (Ger)
[Studies on protection against x-irradiation in hypothermia in rats] Brunner J, et al.
Strahlentherapie 140:553-6, Nov 70 (Ger)
[Studies on nucleotide metabolism in the isolated perfused guinea pig heart under irradiation] Buchelt L, et al. Strahlentherapie 141:604-11, May 71 (Ger)
[Physical, chemical and molecular-biology processes in ultraviolet irradiation of biological objects] Fahr E.
Strahlentherapie 141:718-27, Jun 71 (90 ref.) (Ger)
[Studies on erythema effect curve] Fetz S.
Strahlentherapie 140:236-42, Aug 70 (Ger)
[Studies on the metabolism of nicotinamide coenzymes after whole body irradiation. 3. Synthesis of NAD and its precursors in isolated perfused liver] Gerber GB, et al. Strahlentherapie 140:231-5, Aug 70 (Ger)
[Disintegration of partly denatured albumin in the isolated perfused intestine of normal and irradiated

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rats] Gerber GB, et al.
Strahlentherapie 139:744-9, Jun 70 (Ger)
[Changes of the single lipid fractions in rat serum and liver after 2000 R local liver irradiation, and of the alkaline phosphatases, glutamic-oxaloacetic transaminase and lipase activities] Gottwald G, et al.
Strahlentherapie 140:731-7, Dec 70 (Ger)
[Effect of continuing intracellular irradiation by 3H-thymidine on pregnant rats and on the development of their descendants] Haas RJ, et al.
Strahlentherapie 139:571-86, May 70 (Ger)
[X-ray irradiation in syringomyelia. Catamnestic studies with simultaneous consideration of the question of irradiation tolerance of the spinal cord] Hallen O, et al.
Strahlentherapie 139:527-31, May 70 (Ger)
[Repair of ultraviolet injury following irradiation of bacteria in a vacuum] Horneck G, et al.
Strahlentherapie 141:732-7, Jun 71 (Ger)
[Outline of a biochemical and systemic theory of radiation-induced mitosis disorders] Kaufmann H.
Strahlentherapie 141:439-45, Apr 71 (Ger)
[Effect of fractionated irradiation during blastogenesis, organogenesis and fetal period on the early postnatal development of the mouse] Konermann G, et al.
Strahlentherapie 140:561-72, Nov 70 (Ger)
[Learning and memory abilities of exercised Japanese quails (Coturnix c. japonica) after irradiation of the head] Konermann G.
Strahlentherapie 140:757-64, Dec 70 (Ger)
[Morphologic changes in thyroid glands of rats after fractionated, local x-ray irradiation] Kovács L, et al.
Strahlentherapie 139:487-95, Apr 70 (Ger)
[Studies on the effect of interval-length in fractionated x-ray irradiation on a model of rabbit testicle] Leidi W, et al. Strahlentherapie 139:548-52, May 70 (Ger)
[Synchronization of the mammalian cell division cycle in vitro using fractionated x-ray irradiation] Linden WA, et al. Strahlentherapie 140:706-10, Dec 70 (Ger)
[Contents of phosphate derivatives in skeletal muscles of white mice following whole body irradiation] Mehnert F, et al.
Strahlentherapie 139:506-11, Apr 70 (Ger)
[Research on combined injuries. Changes in the histamine content of rat skin after total body irradiation and with open skin wounds] Messerschmidt O, et al.
Strahlentherapie 139:724-34, Jun 70 (Ger)
[Methods of extracorporeal x-ray irradiation of the blood of patients with carcinoma colli uteri] Michalica W, et al. Strahlentherapie 140:403-6, Oct 70 (Ger)
[Inhibition of the growth of fetal rat livers and placentas by ionizing radiation] Mitznegg P, et al.
Strahlentherapie 139:251-7, Feb 70 (Ger)
[Light and electron microscopic findings on liver parenchyma of rabbits after a short-time high-dosage Co60 irradiation] Möllmann H, et al.
Strahlentherapie 140:525-32, Nov 70 (Ger)
[Ultrastructural changes in the rabbit heart following short-term high dosed 60Co whole body irradiation] Möllmann H, et al.
Strahlentherapie 141:451-6, Apr 71 (Ger)
[Skin penetration by inert gases] Ojeda F.
Strahlentherapie 140:605-9, Nov 70 (Ger)
[In vitro studies on the radioprotective effects of melanin on mammalian cells] Prévôt H Jr, et al.
Strahlentherapie 140:753-6, Dec 70 (Ger)
[Augmentation of radiosensitivity in mammalian cells through synchronization of their division cycle with fractioned roentgen treatment] Prévôt H Jr, et al.
Strahlentherapie 141:446-50, Apr 71 (Ger)
[Radiation-induced changes of the glutathione content of some rat organs modified by cysteine] Rathgen GH.
Strahlentherapie 139:243-50, Feb 70 (Ger)
[Studies on understanding the problematics of radiologic-cytostatic combination treatment. 8. Syncytostatic studies using actinomycin] Ringleb D, et al. Strahlentherapie 140:687-92, Dec 70 (Ger)
[Studies on the problem of combined radiologic-cytostatic therapy. 10. Syncytostatic studies with vinblastine sulfate] Ringleb D, et al.
Strahlentherapie 141:599-603, May 71 (Ger)
[Influence of radiation-induced electrolyte shifts on the metabolism. 3. Importance of ion-environment on the impression of the radiation damages in yeasts] Rink H. Strahlentherapie 140:594-9, Nov 70 (Ger)
[Cytomorphologic studies on the modification by oxygen of the irradiation effect on tissue cultured tumor cells (HeLa cells)] Scherer E, et al.
Strahlentherapie 141:591-8, May 71 (Ger)
[Radiation exposure of a patient in stomach-intestine transit] Schulte-Brinkmann W, et al.
Strahlentherapie 140:307-17, Sep 70 (Ger)
[Metabolism of the isolated perfused rat liver after in vitro irradiation. II. Intracellular and extracellular contents of free amino acids, taurine and urea] Stähler F, et al.
Strahlentherapie 140:213-20, Aug 70 (Ger)
[Metabolism of the isolated perfused rat liver following in vitro irradiation. Lactate, glucose, potassium, sodium, chloride as well as GOT and GPT activity in perfusion plasma] Stähler F, et al.
Strahlentherapie 139:496-505, Apr 70 (Ger)
[Changes of natural irradiation resistance of the mouse after several days in hypoxic state. Enzyme activities of tryptophan and cysteine metabolism] Streffer C, et al. Strahlentherapie 139:626-33, May 70 (Ger)
[Experimental studies on the radiation protective effect of tryptamine. 2] Sturde HC, et al.
Strahlentherapie 140:745-8, Dec 70 (Ger)
[Skin reaction to hyperbaric oxygen in the high pressure chamber (animal experiments)] Teske HJ.
Strahlentherapie 139:174-8, Feb 70 (Ger)
[Changes in natural irradiation resistance of mice after several days in hypoxic state. Organ weights of normal and irradiation-resistant animals after irradiation] Tribukait B. Strahlentherapie 140:540-52, Nov 70 (Ger)
[Esterase activity and protein content of plasma and erythrocytes in whole-body irradiated rats] Valet G, et al. Strahlentherapie 140:738-44, Dec 70 (Ger)
[DNA alteration caused by sensitized and non-sensitized long-wave UV irradiation] Zierenberg BE, et al. Strahlentherapie 141:728-31, Jun 71 (Ger)
[The effect of low dosage radiation on metabolism and function of the rat kidney damaged by ischemia] Truss F, et al. Urologe 9:350-5, Nov 70 (Ger)
[Radiobiologic considerations on the treatment of inflammatory and ossifying diseases] Hug O.
Verh Dtsch Ges Rheumatol 1:113-24, 1969 (Ger)
[Dynamics of the embryonal mouse brain proliferation following fractionated x-ray irradiation. Autoradiographic studies] Saebisch R.
Virchows Arch [Zellpathol] 8:50-7, 1971 (Ger)
[Electron microscopic studies on irradiated mammary carcinoma in women] Busch W.
Z Geburtshilfe Gynaekol 173:250-65, 1970 (Ger)
[Blood coagulation after radiotherapy of malignant gynecological tumors] Nagy I, et al.
Z Geburtshilfe Gynaekol 172:241-54, Jun 70 (Ger)
[Effects of cytostatics and x-rays on nucleic acid metabolism of solid, malignant tumors in vitro] Kummer D. Z Krebsforsch 74:76-90, 1970 (Ger)
[Function disorders in the oral cavity as a side effect of radiotherapy] Hansen D, et al.
Z Laryngol Rhinol Otol 49:534-41, Aug 70 (Ger)
[Determination of irradiation effects on the thymidine kinase activities within a cell-cycle of synchronously growing Chlorella] Cabela E, et al.
Z Naturforsch [B] 26:141-3, Feb 71 (Ger)
[Relationship between absorption and scattering of cell suspensions and the optical properties of single cells. Derivation of the Kubelka-Munk equations from universal transport equations--discussion of the absorption and scattering parameters] Hagemeister V. Z Naturforsch [B] 25:1144-8, Oct 70 (Ger)
[Gamma-radiolysis of aqueous solutions of 5-bromo-2'-deoxyuridine in presence of oxygen. I. Identification of products] Kourim P, et al.
Z Naturforsch [B] 26:308-11, Apr 71 (Ger)
[Gamma-radiolysis of aqeuous solutions of 5-Bromo-2'-deoxyuridine in presence of oxygen. II. G-values of products and comparison with the radiolysis of the aglycone] Kourim P, et al.
Z Naturforsch [B] 26:312-4, Apr 71 (Ger)
[UV-induced strand breaks in 5-bromouracil substituted DNA of phage T1] Stephan G, et al.
Z Naturforsch [B] 25:1037-42, Sep 70 (Ger)
[Experimental studies on the value of homologous lyophilized bone implantates irradiated with Cobalt60] Meznik F, et al.
Z Orthop 109:277-83, May 71 (Ger)
[Effect of sterilization on the protein quality of feed mixtures] Eggum BO.
Z Tierphysiol 25:204-10, Sep 69 (Ger)
[The effect of gamma rays of cobalt-60 on the ischemic bladder wall. Animal experiment study] Hienzsch E, et al. Z Urol Nephrol 63:847-55, Nov 70 (Ger)
[Roentgen studies of the bone growth in rats by means of measurements of tibial length] Somora J, et al.
Z Versuchstierkd 12:77-83, 1970 (Ger)
[Quantitative and qualitative changes in raw proteins in a rat and mouse diet by means of various sterilization procedures] Udes H, et al.
Z Versuchstierkd 13:160-6, 1971 (Ger)
[The effect of various gamma radiation doses on the growth of Azotobacter chroococcum Beij] Nowak W.
Zentralbl Bakteriol [Naturwiss] 122:573-9, 1968 (Ger)
[Hemolytic Sh. sonnei strains] Stenzel W.
Zentralbl Bakteriol [Orig] 217:563-5, Aug 71 (Ger)
[X-ray; induced inflammation. Primary consideration in the treatment of postoperative inflammatory stenosis following gastroenterostomies, of the intestinal and bile duct sections] Willmen HR, et al.
Zentralbl Chir 96:53-8, 9 Jan 71 (Ger)
[Etiologic relation between radiation castration and malignant gynecologic neoplasms] Grossmann H.
Zentralbl Gynaekol 92:1415-8, 24 Oct 70 (Ger)
[Prevention of tumor growth by immunization of hamsters with x-irradiated SV40-transformed cells] Ashkenazi A, et al. Harefuah 77:376-9, 2 Nov 69 (Heb)
[Immunosuppressive treatment] Mani A.
Harefuah 78:605-6, 15 Jun 70 (Heb)
[Radiation sterilization of ophthalmic ointments containing hydrocortisone acetate and chloramphenicol. IV. Bacteriological studies] Bartha T, et al. Acta Pharm Hung 40:226-32, 1970 (Hun)
[Sterilization of dextran powder by gamma irradiation] Farkas E, et al.
Acta Pharm Hung 41:63-8, Mar 71 (Hun)
[Gamma-ray resistance of solid substances] Hangay G, et al. Acta Pharm Hung 41:10-9, Jan 71 (Hun)
[The real importance of risks from small doses of radiations] Pacelli M.
Ann Med Nav (Roma) 75:426-7, Jul-Aug 70 (Ita)
[Effect of prolonged administration of irradiated food on rabbits. Peripheral blood studies] Lai P, et al.
Arch Vet Ital 22:1-9, 28 Feb 71 (Ita)
[On some experimental malformations of the tongue and mandible] Scapecchi G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:17-49, 1968 (Ita)
[Metabolic study of panirradiated rats. Effect of ionizing radiations in progressively increasing high doses. II. Behavior of total serum proteins and lipids] Bergamini G.
Boll Soc Ital Biol Sper 45:351-4, 31 Mar 69 (Ita)
[Metabolic study of panirradiated rats. Effect of ionizing radiations in progressively increasing high doses. I. Behavior of blood sugar levels] Bergamini G.
Boll Soc Ital Biol Sper 45:349-51, 31 Mar 69 (Ita)
[Comparative action of x-rays and visible light rays on the early potentials of the isolated frog eye] Debenedetti A, et al.
Boll Soc Ital Biol Sper 45:964-8, 31 Jul 69 (Ita)
[Comparative action of parienergetic doses of x-rays and visible light on restoration of the early potentials of the isolated frog eye after their annulment with strong illumination] Debenedetti A, et al.
Boll Soc Ital Biol Sper 45:1371-3, 15 Nov 69 (Ita)
[On the production of SV40 in heterokaryons caused by fusion of sensitive cells with transformed cell exposed to UV irradiation] Monti-Bragadin C, et al.
Boll Soc Ital Biol Sper 46:565-9, 30 Jun 70 (Ita)
[On the human placental lactogenic factor (HCSM). 3. Analysis of the product of photo-oxidation and of trypsin hydrolysis] Neri P, et al.
Boll Soc Ital Biol Sper 45:673-5, 31 May 69 (Ita)
[The metabolism of p-nitrophenol in the panirradiated rat] Scoppa P, et al.
Boll Soc Ital Biol Sper 45:1623-6, 31 Dec 69 (Ita)
[Action of high doses of ionizing radiations (100,000 r) on fibroblasts cultured in vitro in the interkinetic phase] Valentini AF, et al.
Boll Soc Ital Biol Sper 45:547-9, 15 May 69 (Ita)
[Action of high doses of ionizing radiations (100,000 r) on the course of mitosis of fibroblasts cultured in vitro] Valentini AF, et al.
Boll Soc Ital Biol Sper 45:545-7, 15 May 69 (Ita)
[Some critico-evaluative considerations on the relations between the epidermal SH-groups, ultraviolet rays and epithelial tumors] Caccialanza F, et al. G Ital Dermatol 45:562-3, Oct 70 (Ita)
[Mastocytes and cutaneous reactivity of the delayed type] Ippolito F, et al.
G Ital Dermatol 44:475-6, Sep 69 (Ita)
[Capillaroscopic studies with a cryotest with carbon dioxide snow in subjects exposed to the risk of ionizing radiations] Ippolito F, et al.
G Ital Dermatol 44:528-30, Oct 69 (Ita)
[Clinical usefulness of eticholanolone in the evaluation of bone marrow reserves in patients treated with myelosuppressive drugs and with radiotherapy] Marcolongo R, et al.
Haematologica 54:603-26, 1969 (Ita)
[Hysterosalpingography in undetected early pregnancy. Case with favorable evolution] Gerli M, et al. Minerva Ginecol 21:1219-22, 30 Sep 69 (Ita)
[Hodgkin's disease and pregnancy] Ragucci N, et al.
Minerva Ginecol 21:1196-205, 30 Sep 69 (Ita)
[Cytogenetic studies of leukocytes of infants of mothers treated with physical therapy for Hodgkin's disease during pregnancy] Zara C, et al.
Minerva Ginecol 21:1205-6, 30 Sep 69 (Ita)
[Repercussions in humans of internal solar activity] Poumailloux M.
Minerva Med 61:5809-23, 15 Dec 70 (Ita)
[Behavior of an established cell line cultivated in the presence of Sr90] Rossi-Torelli M, et al.
Minerva Med 61:4176-80, 26 Sep 70 (Ita)
[On the therapeutic problem of pathologic fractures due to skeletal metastases] Monetti N, et al.
Minerva Radiol 14:157-65, May 69 (Ita)
[Difference of action between hepatic extracts and small doses of roentgen rays on the mitotic activity of the partially hepatectomized liver. Experimental study in albino rats] Lanzini FZ.
Osp Ital Chir 20:523-7, Jun 69 (Ita)
[Extracorporeal irradiation of the blood] Policlinico [Prat] 76:1010-3, 4 Aug 69 (Ita)
[The significance of melanotic skin pigmentation in radiotherapy] Traversin E.
Quad Radiol 35:73-9, Jan-Feb 70 (Ita)
[Diagnosis of the exposure to radiations by means of study of chromosome aberrations] Koller PC.
Recent Progr Med (Roma) 50:32-48, Jan 71 (Ita)
[Radioisotopic synoviectomy in the treatment of rheumatoid arthritis] Schiavetti L, et al.
Reumatismo 21:23-33, Jan-Feb 69 (Ita)
[Inactivation of papain in water-alcohol solution induced by gamma rays] Di Marco G.
Ric Sci 38:377-81, Apr 68 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Selective irradiation of bacteria by means of tritium] Giacomello G, et al. Ric Sci 38:389-95, Apr 68 (Ita)
[Preliminary studies on the changes in the electrophoretic migration profile of the proteins in human saliva during anti-blastic radiation therapy] Pini Prato G. Riv Ital Stomatol 25:1042-6, Nov 70 (Ita)
[LINAC radiation effect on human glioma and glial cells] Kanno T, et al.
Brain Nerve (Tokyo) 23:497-505, May 71 (Jap)
[Radiosterilization of medical products. I. Effects of radiation on physical and chemical properties of injection needles] Oba T, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:14-8, 1970 (Jap)
[Radiosterilization of medical products. II. Effects of radiation on physical and chemical properties of disposable plastics syringes] Oba T, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:19-23, 1970 (Jap)
[Effect of gamma-ray (cobalt 60) irradiation on pyrogenicity of bacterial pyrogen] Tanaka S, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:125-7, 1970 (Jap)
[Cell kinetic study on the effects of x-irradiation to tongue epithelium of rat] Toda M.
J Jap Stomatol Soc 38:159-71, Mar 71 (Jap)
[Stabilizing effect of anti-inflammatory drugs on erythrocyte membrane. II. On UV-induced canine erythrocyte hemolysisand lipid peroxidation, on UV-induced peroxide formation in extracted lipid, and on irradiated lipid-induced hemolysis] Fujihira E, et al. J Pharm Soc Jap 90:1355-62, Nov 70 (Jap)
[Studies on 131-I treatment of hyperthyroidism. 4. Effect of x-ray and 131-I irradiation on cultured human thyroid cells] Konishi J.
Jap Arch Intern Med 17:403-13, Nov 70 (Jap)
[Studies on 131-I treatment of hyperthyroidism. 3. Ultrastructural alteration of the thyroid before and after 131-I treatment] Konishi J.
Jap Arch Intern Med 17:385-401, Nov 70 (Jap)
[Synchronization of the cell cycle in solid tumors] Matsuzawa D, et al.
Jap J Cancer Clin 17:344-7, May 71 (Jap)
[Radiation effects on blood-vessels and peripheral tissue of tumor and classification of tumor types by irradiation effect] Nibe H.
Jap J Cancer Clin 17:341-3, May 71 (Jap)
[Proliferation of tumors and the effect of radiation with special reference to the blood vessel] Okumura Y, et al. Jap J Cancer Clin 17:347-9, May 71 (Jap)
[Radiation effect on the salivary gland cells at the Go stage] Sasaki T, et al.
Jap J Cancer Clin 17:326-8, May 71 (Jap)
[Radiosensitivity of Burkitt's lymphoma cells] Sato C, et al. Jap J Cancer Clin 17:333-5, May 71 (Jap)
[Follow-up of tumor cells of the lung by serial cytologic diagnosis--morphological changes of the cells caused by radiation] Shibata H.
Jap J Cancer Clin 17:178-82, Mar 71 (Jap)
[Radiosensitivity of rat ascite tumor cell and normal liver] Suzuki S, et al.
Jap J Cancer Clin 17:329-31, May 71 (Jap)
[Studies on the irradiation effects on normal organs. 4. The influences of gamma-ray irradiation on capillaries of small intestine in mice] Fujiwara K.
Nippon Acta Radiol 30:550-4, Sep 70 (Jap)
[Correlation of erythropoiesis and reticuloendothelial function following irradiation] Ito Y, et al.
Nippon Acta Radiol 31:44-9, Apr 71 (Jap)
[Studies on the cells producing an antitumor agent] Nio Y. Nippon Acta Radiol 30:481-8, Sep 70 (Jap)
[Effects of anoxic conditions on radiation-induced life-shortening in Sarcophaga adults] Sakka M.
Nippon Acta Radiol 30:849-52, Dec 70 (Jap)
[Acute death of mice during massive Gamma irradiation. 3] Takeshita K, et al.
Nippon Acta Radiol 31:133-42, 1971 (Jap)
[Effect of glutathione on radiation-injured leukocytes of the bone marrow (experiment by simple bone marrow culture method)] Sonezaki S.
Rinsho Hoshasen 15:867-70, Nov 70 (Jap)
[Changes of the lymphocytes and thymus response under the long-term irradiation of the peripheral blood with 32P] Kojima M, et al.
Saishin Igaku 26:1464-75, 10 Aug 71 (Jap)
[Lung complications after "Kappelfelt's treatment" in lymphogranulomatose] Borgnes J, et al.
Nord Med 85:707, 3 Jun 71 (Nor)
[Radiation damage in medulla sinalis] Pleym Solheim O. Nord Med 84:1634, 17 Dec 70 (Nor)
[Effect of ionizing radiation on the fetus. Structure of serum proteins in animals irradiated during prenatal development] Rudnicki T, et al.
Acta Physiol Pol 21:785-92, 1970 (Pol)
[Studies of biological effects of small doses of ionizing rays. Attempt at evaluating threshold doses for some post-irradiation human lymphocytes] Rudnicki T, et al. Acta Physiol Pol 21:793-800, 1970 (Pol)
[Histocytochemistry and the regenerative capacity of muscle tissue after experimental damage in white rats irradiated in utero] Kué A.
Folia Morphol (Warsz) 30:273-85, 1971 (Pol)
[Effect of radiation energy of arc welding on adaptation to darkness] Filipiakowa Z.
Klin Ocana 41:49-55, 1971 (Pol)
[Application of gamma ray irradiated heterogenic bovine fascia in the filling of brain dura defects in dogs] Czochra M, et al.
Neurol Neurochir Pol 4:693-8, Nov-Dec 70 (Pol)
[Evaluation of gamma ray dosage in the rectum during treatment of carcinoma of the uterine cervix with radium] Nozdryn-Plotnicki B, et al.
Nowotwory 20:107-13, Apr-Jun 70 (Pol)
[Influence of 4-2 He nuclei on the frequency of registration of protons and deuterons during exposure to the liver of rats with transplantable Guèrin epithelioma] Wszolek B, et al.
Patol Pol 21:357-63, Jul-Sep 70 (Pol)
[Late effects of irradiation of newborn mice with gamma rays. II. Changes in peripheral blood and the size of internal organs] Gajewski AK, et al.
Rocz Panstw Zakl Hig 22:221-9, 1971 (Pol)
[Studies on the effect of stress factors, external irradiation and selected pharmacological agents on the retention of radioactive cesium (CS 137) in rat body] Majie T.
Rocz Panstw Zakl Hig 21:497-508, 1970 (Pol)
[Hexokinase activity in erythrocytes, liver and brain of normal rats, roentgen irradiated rats and rats with Guerin tumor and chronic hypoxia induced with potassium cyanide (KCN)] Cernătescu C, et al.
Fiziol Norm Patol 17:85-90, 1971 (Rum)
[Experimental studies on tooth eruption] Grivu O, et al. Stomatologia (Bucur) 17:481-8, Nov-Dec 70 (Rum)
[Radiometric determination of the intensity of radiation of the uterus and its appendages during administration of P32] Porai-Koshits KV.
Akush Ginekol (Mosk) 46:6-9, Aug 70 (Rus)
[Effect of interferon on the induction of moderate lambda bacteriophage induced by UV rays] Kolobov AV, et al. Antibiotiki 16:67-72, Jan 71 (Rus)
[Cytological study of the combined effect of olivomycin and gamma-irradiation on HeLa tumor cell culture] Smertenko II, et al. Antibiotiki 16:104-9, Feb 71 (Rus)
[Gamma-sterilization of polyenic antibiotics] Tsyganov VA, et al. Antibiotiki 16:47-9, Jan 71 (Rus)
[Absorption of lipids by the epithelial cells of the duodenum under conditions of Ce 144 irradiation] Tokin IB.
Arkh Anat Gistol Embriol 58:35-43, Jun 70 (Rus)
[Radiation damage to the liver during internal irradiation] Tokin IB.
Arkh Anat Gistol Embriol 57:23-36, 1969 (Rus)
[Effect of internal irradiation on posttraumatic liver regeneration] Tokin IB, et al.
Arkh Anat Gistol Embriol 60:66-73, 1971 (Rus)
[Nature and transformations of paramagnetic centers in gamma-irradiated solutions of pyrimidine bases and DNA] Abagian GV, et al.
Biofizika 14:785-91, Sep-Oct 69 (Rus)
[EPR spectra and the structure of free radicals in irradiated monocrystals of L-leucine hydrochloride] Almanov GA, et al.
Biofizika 14:745-7, Jul-Aug 69 (Rus)
[Effect of ionizing radiation on the absorption and fluorescence of insulin and tyrosine solutions in the ultraviolet spectral region] Bezrukova AG, et al.
Biofizika 16:541-4, May-Jun 71 (Rus)
[Application of the target theory to the study of photosynthetically active units of chloroplasts] Grodzinskiĭ DM, et al.
Biofizika 14:276-9, Mar-Apr 69 (Rus)
[Change of the macrostructure of spin-labelled bovine serum albumin under gamma-irradiation] Iuferov VP, et al. Biofizika 15:404-7, May-Jun 70 (Rus)
[Structural disorders of lysozyme and ribonuclease following gamma-irradiation in a dry state] Kaverzneva ED, et al.
Biofizika 16:581-8, Jul-Aug 71 (Rus)
[Photochemical transformations of paramagnetic centers in a gamma-irradiated monocrystal of L-cystine dihydrochloride] Krivenko VG, et al.
Biofizika 14:615-27, Jul-Aug 69 (Rus)
[EPR study of propyl gallate radical reactions in irradiated frozen solutions of DNA in the presence of oxygen] Postnikova MS, et al.
Biofizika 14:927-30, Sep-Oct 69 (Rus)
[EPR study of the nature and properties of paramagnetic centers in gamma-irradiated proteins] Sud'bina EN, et al.
Biofizika 16:596-602, Jul-Aug 71 (Rus)
[An electrophysiologic study of the activity of the rabbit cerebral cortex under the influence of total body ionizing irradiation] Anan'ev VM, et al.
Biull Eksp Biol Med 65:32-6, 1968 (Rus)
[The effect of the radiosensitivity of an organism on the nature of functional changes in the vestibular analyzer following subjection to ionizing radiation] Farber IuV, et al.
Biull Eksp Biol Med 65:51-3, Apr 68 (Rus)
[An autoradiographic study of the duration of the mitotic cycle in normal and irradiated cells of the human diploid strain WI-38] Gibadulin RA, et al.
Biull Eksp Biol Med 69:100-3, Apr 70 (Rus)
[Effect of chloramphenicol on the capacity of x-rays to induce colicin D synthesis in the E. coli CA-23 strain] Gumeniuk VA.
Biull Eksp Biol Med 66:41-3, Jun 69 (Rus)
[Experimental study of skin reactions to the combined effect of x-irradiation and prednisolone] Karnaukhova EK.
Biull Eksp Biol Med 68:103-4, Nov 69 (Rus)
[The cytotoxic action of the spleen cells of irradiated and non-irradiated rabbits] Kiemparskaia NN, et al.
Biull Eksp Biol Med 65:48-51, Apr 68 (Rus)
[Effect of UHF electromagnetic fields on the content of iron, copper and some metalloproteins in the blood and tissues] Lazarovich VG.
Biull Eksp Biol Med 70:44-6, Oct 70 (Rus)
[The effect of radiation on the mechanism of excitation transmission in the ganglia of the autonomic nervous system] Miskhvetadze AV, et al.
Biull Eksp Biol Med 66:37-40, 1968 (Rus)
[Transforming and inhibiting effect of roentgen rays on the development of rudimentary spurs in chick embryos] Puchkov VF.
Biull Eksp Biol Med 68:101-4, Sep 69 (Rus)
[Primary reaction of the pituitary-adrenal system to the effect of ionizing radiation] Rogozkin VD, et al.
Biull Eksp Biol Med 71:14-6, Jan 71 (Rus)
[A factor increasing the ultraviolet fluorescence of bone marrow cells upon local irradiation of the body] Safronova VG.
Biull Eksp Biol Med 66:52-5, Nov 68 (Rus)
[Effect of temperature on the radiosensitivity of Staphylococcus aureus] Samoĭlenko II, et al.
Biull Eksp Biol Med 70:57-9, Dec 70 (Rus)
[Ontogenetic determination of the reaction of the interrenal gland to irradiation] Tkacheva GA.
Biull Eksp Biol Med 65:109-13, May 68 (Rus)
[Effect of high-frequency electromagnetic fields and ultrasound on the amino acid content of rabbit internal organs] Vibe KG, et al.
Biull Eksp Biol Med 70:47-8, Oct 70 (Rus)
[The effect of x-ray irradiation on ATP-ase activity in denervated and intact muscles] Zubenko PM, et al.
Biull Eksp Biol Med 66:31-2, Nov 68 (Rus)
[Early disturbances of ion transport in irradiated erythrocytes] Gerasimova GK, et al.
Dokl Akad Nauk SSSR 184:709-12, 21 Jan 69 (Rus)
[Radiosensitivity of the allosteric center of phosphofructokinase] Kuzin AM, et al.
Dokl Akad Nauk SSSR 188:1166-8, 11 Oct 69 (Rus)
[Survival of Escherichia coli B, irradiated by gamma-rays and alpha-particles] Miasnik MN, et al.
Dokl Akad Nauk SSSR 185:932-4, 1 Apr 69 (Rus)
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[Effect of x-irradiation and inhibitors of nucleic acid synthesis on respiration and ATP content in loach embryos] Nikol'skaia IS, et al.
Dokl Akad Nauk SSSR 194:478-80, 1970 (Rus)
[Comparison of the effectiveness of single and fractionated irradiation of spermatozoa on prenatal death in rabbits] Nuzhdin NI, et al.
Dokl Akad Nauk SSSR 194:1211-3, 1970 (Rus)
[Short-term memory in rats subjected during their intrauterine period to radiation injury] Piontkovskiĭ IA, et al.
Dokl Akad Nauk SSSR 191:218-20, Mar-Apr 70 (Rus)
[E.P.R. spectra of a gamma-irradiated monocrystal of lysozyme chloride] Pulatova MK, et al.
Dokl Akad Nauk SSSR 194:711-4, 1970 (Rus)
[Vvedenskiĭ's frequency pessimum following spinal cord irradiation and in the compensation period] Semagin VN.
Dokl Akad Nauk SSSR 197:1452-5, 21 Apr 71 (Rus)
[Chromosome aberrations and radiation-induced death of somatic mammalian cells] Shapiro NI, et al.
Dokl Akad Nauk SSSR 193:207-10, Jul-Aug 70 (Rus)
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Dokl Akad Nauk SSSR 185:935-7, 1 Apr 69 (Rus)
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Gig Sanit 35:109-11, Mar 70 (Rus)
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["Population dose" of irradiation to the people of the USSR from global Cs 137] Ushakova AP, et al.
Gig Sanit 35:54-9, Jul 70 (Rus)
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Gig Tr Prof Zabol 14:44-6, Sep 70 (Rus)
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Izv Akad Nauk SSSR [Biol] 1:144-6, Jan-Feb 71 (Rus)
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[Effect of insulin on the sympathico-adrenal system in persons working with radiation sources] Kogan IA.
Med Radiol (Mosk) 15:39-46, Nov 70 (Rus)
[Study of the radioprotective properties of dibromhydrate of BIS(2-aminoethyi)disulfide in the range of long-wave x-ray irradiation] Kuznetsova LA, et al. Med Radiol (Mosk) 15:7-11, Dec 70 (Rus)
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Med Radiol (Mosk) 16:59-64, Mar 71 (Rus)
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Mikrobiologiia 39:305-8, Mar-Apr 70 (Rus)
[Experimental study of the biological action of a low-frequency electric field] Solov'ev NA.
Nov Med Priborostr 3:101-7, 1967 (Rus)
[Experimental apparatus for studying the biological effect of a low-frequency electric field] Solov'eva GR.
Nov Med Priborostr 3:96-100, 1967 (Rus)
[Changes in sorption properties and catalase activity of eye tissues under the effect of irradiation from an optic quantum generator] Kovalev IF, et al.
Oftalmol Zh 25:212-6, 1970 (Rus)
[Embryologic and genetic effects of electromagnetic oscillations of ultra-high frequency] Piontkovskif IA, et al. Patol Fiziol Eksp Ter 14:33-8, Mar-Apr 70 (Rus)
[Local reaction "transplant against host" in irradiated and intact dogs] Shereshkov SI.
Probl Gematol Pereliv Krovi 15:22-7, Jul 70 (Rus)
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Radiobiologiia 11:32-6, Jan-Feb 71 (Rus)
[Effect of ionizing radiation on the process of activation of lysine and aminoacylation of tRNA by lysil-tRNA-synthetase from rat liver] Khanson KP, et al. Radiobiologiia 9:668-70, Sep-Oct 69 (Rus)
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[Effect of presowing gamma-irradiation on germination of hemp seeds and viability of seedlings] Zhatov AI, et al. Radiobiologiia 9:769-72, Sep-Oct 69 (Rus)
[Cytofluorometric study of early changes in nuclear nucleoproteins in irradiated amniotic cell cultures] Zotikov AA. Radiobiologiia 10:672-5, Sep-Oct 70 (Rus)
[Age dynamics of histamine accumulation in tissues and its reaction to some external influences] Maksutov KM, et al. Sov Zdravookhr Kirg 4:34-8, Jul-Aug 70 (Rus)
[Changes in the rat blood serum proteins after ultraviolet irradiation of the oral mucous membrane] Tiupenko GI. Stomatologiia (Mosk) 49:14-6, Nov-Dec 70 (Rus)
[Kinetic study of ultra-violet radiation effect on the oxyhemoglobin structure in mice] Artiukhov VG, et al. Ukr Biokhim Zh 42:624-30, 1970 (Rus)
[Changes in the composition of blood in rats affected by neptunium-237] Kreslov VV, et al. Ukr Biokhim Zh 42:489-93, 1970 (Rus)
[Functional principle in the physiology of development] Popov VV. Usp Sovrem Biol 64:294-311, Sep-Oct 67 (62 ref.) (Rus)
[Reparation of damages in the bacterial DNA caused by physical and chemical mutagenic agents] Timakov VD, et al. Vestn Akad Med Nauk SSSR 24:3-17, 1969 (Rus)
[Effect of ionizing irradiation on natural immunity and ways of stimulating it] Tumanian MA, et al. Vestn Akad Med Nauk SSSR 25:25-33, 1970 (Rus)
[Effect of C14 on hatching of whitefish larvae from roe] Fedorova GV. Vestn Leningr Univ [Biol] 4:45-9, 1968 (Rus)
[Assessment of the temperature status of radiolocation station specialists] D'iachenko NA. Voen Med Zh 12:42-4, Dec 70 (Rus)
[Effect of an ultrahigh frequency field on the hematopoietic system (experimental study)] Dochkin II. Voen Med Zh 11:42-3, Nov 70 (Rus)
[Non-thermal effect of microradio waves on the organism (review of the literature)] Subbota AG. Voen Med Zh 9:39-45, Sep 70 (10 ref.) (Rus)
[Effect of an ultra high frequency electromagnetic field (microwaves) on temperature and rate of blood flow in a joint] Iatsenko MI. Vopr Kurortol Fizioter Lech Fiz Kult 35:420-3, Sep-Oct 70 (Rus)
[The effect of chemical substances on cancer cell chromosome aberrations in tissue culture] Kuz'mina EG, et al. Vopr Onkol 16:66-72, 1970 (Rus)
[Smallpox vaccine inactivated by gamma-rays: its antigenic and immunogenic properties] Matsevich GR, et al. Vopr Virusol 15:316-22, May-Jun 70 (Rus)
[Comparative findings on the effects of hydrocortisone and irradiation on antibody formation] Nikolaev AI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:64-8, Aug 70 (Rus)
[An increase in the radioresistance of a thymine-dependent strain of E. coli K-12 (thy-) under the influence of gamma-irradiation] Pershina ZG, et al. Zh Mikrobiol Epidemiol Immunobiol 46:101-6, Oct 69 (Rus)
[The combined effect of gamma-irradiation and heat on staphylococci] Pershina ZG, et al. Zh Mikrobiol Epidemiol Immunobiol 47:27-9, Dec 70 (Rus)
[The effect of ultra-high frequency radiation of different intensity on the courseof Salmonella infections in white mice] Sviridov LP. Zh Mikrobiol Epidemiol Immunobiol 47:10-4, Mar 70 (Rus)
[Action of ionizing radiations on microorganisms and radiation sterilization (review)] Tumanian MA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:75-80, May 71 (66 ref.) (Rus)
[Possibility of sterilizing antigen preparations from typhoid bacteria by ionizing radiation] Tumanian MA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:120-5, Apr 71 (Rus)
[Effect of large doses of super-high-frequency electromagnetic fields on the nervous system of animals during conditioned-reflex activity] Belokrinitskif VS. Zh Vyssh Nerv Deiat 21:525-34, May-Jun 71 (Rus)
[Effects of adrenaline and gamma radiation on the active transport of sodium in frog skin] Lopez Zumel MC, et al. Arch Inst Farmacol Exp (Madr) 21:1-10, 1969 (Spa)
[Relation between linear energy transfer and fluctuations in energy deposition of ionizing radiation] Bengtsson G. Nord Med 84:1305, 8 Oct 70 (Swe)
[Radiation reactions in the gastrointestinal tract in telecobalt treatment of ovarian neoplasms] Frankendal, B. Nord Med 85:159, 4 Feb 71 (Swe)
[Studies of radiation effects on intestines in telecobalt therapy of ovarial neoplasms] Frankendal B. Nord Med 84:1310-1, 8 Oct 70 (Swe)
[Effect of irradiation on the surface active lung substance] Johansson JM, et al. Nord Med 84:1308, 8 Oct 70 (Swe)
[Opthalmologic observations in patients dying a long time after radiation treatment for malignant nasopharynx tumors] Schryver A de, et al. Nord Med 85:159-60, 4 Feb 71 (Swe)
[Tissue response to simultaneously given ultrasonics and ionizing radiation] Spring E. Nord Med 85:940, 5 Aug 71 (Swe)
[Level of nucleic acids in rats under the effect of x-rays and sodium gallate] Baraboi VA, et al. Fiziol Zh 16:385-92, May-Jun 70 (Ukr)
[Some biochemical peculiarities of combined action of ultraviolet and roentgen rays on organism] Baraboi VA, et al. Fiziol Zh 14:504-13, Jul-Aug 68 (Ukr)
[Penetration of DNA into the yeast cells irradiated by quick neutrons] Chebotarev EE, et al. Fiziol Zh 15:695-8, Sep-Oct 69 (Ukr)
[Physiological functions in workers at a rolling mill] Danchenko AP, et al. Fiziol Zh 16:681-6, Sep-Oct 70 (Ukr)
[Changes in solar plexus ganglia at different periods after general irradiation with sublethal X-ray doses] Dumbrova NE. Fiziol Zh 14:514-21, Jul-Aug 68 (Ukr)
[Radiation effects on animals irradiated with ultraviolet rays] Isaenko VI. Fiziol Zh 16:681-4, Sep-Oct 70 (Ukr)
[Methods of measuring infrared irradiation of human skin] Petrov IuL, et al. Fiziol Zh 14:569-71, Jul-Aug 68 (Ukr)
[Effect of subletahal and lethal radiation doses on extracellular and intracellular distribution of sodium and potassium in the brain, liver, kidney and muscular tissue of rats] Shamrai EF, et al. Fiziol Zh 16:513-8, Jul-Aug 70 (Ukr)
[Regularity of transitional processes occurring after changes in the body temperature in rabbits following radiation] Tkach VK, et al. Fiziol Zh 14:117-20, Jan-Feb 68 (Ukr)
[Effect of total irradiation on microscopic and submicroscopic structures of the stomach] Tkacheno Zia. Fiziol Zh 14:805-11, Nov-Dec 68 (Ukr)
[The effect of ultraviolet light on X-virus accumulation in potato seedlings] Anokhin VM. Mikrobiol Zh 31:351-6, Jul-Sep 69 (Ukr)
[Methionine-deficit mutants of Aerobacter aerogenes

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of the volumes, will be found on the pages preceding the Author Index.

isolated under the effect of ethacidine and ultraviolet radiation] Sudenko VI.
Mikrobiol Zh 32:640-2, Sep-Oct 70 (Ukr)
[The radioresistance of lyophilized Cladosporium sp. 396 conidia] Zhdanova NM, et al.
Mikrobiol Zh 32:32-5, Jan-Feb 70 (Ukr)
[Amino acid composition of calf skin proteins and radiation effects] Golovach VM, et al.
Ukr Biokhim Zh 42:35-8, 1970 (Ukr)
[Changes in molybdenum content in organs of rabbit under X-ray irradiation] Luk'ianchuk II.
Ukr Biokhim Zh 42:621-3, 1970 (Ukr)
[Effect of RNA on the content and restoration of ATF in liver in radiation injury] Sopin EF, et al.
Ukr Biokhim Zh 42:31-4, 1970 (Ukr)
[Serum lysozyme and trypsin inhibitor levels and leukocyte count in rabbits following irradiation] Stefanović J, et al.
Bratisl Lek Listy 54:618-25, Nov 70 (Slo)

DRUG EFFECTS

[The experimental study on pharmacological effect on irradiated mice. 1. Effect of inosine] Hattori Y.
Nippon Acta Radiol 31:17-24, Apr 71 (Jap)

RADIATION GENETICS (G1, G3)

The dose dependence of mutation rates in the rad range, in the light of experiments with higher plants. Ehrenberg L, et al.
Acta Radiol [Diagn] (Stockh) Suppl 254:73-8, 1966
The genetically significant dose from roentgen examinations in Finland in 1963. Isola A, et al.
Acta Radiol [Diagn] (Stockh) Suppl 254:120-, 1966
Radiation-induced chromosome aberrations in occupationally exposed persons. Visfeldt J.
Acta Radiol [Diagn] (Stockh) Suppl 254:93-9, 1966
Genetic effects of 90Sr on various stages of spermatogenesis in mice. Frölén H.
Acta Radiol [Ther] (Stockh) 9:596-608, Dec 70
Total body irradiation and human chromosomes. II. Cytogenetic studies of the cultured bone marrow cells seven years after total body irradiation. Goh KO.
Am J Med Sci 262:43-9, Jul 71
The effects of acute gamma irradiation on the brine shrimp, Artemia. II. Female reproductive performance. Squire RD. Biol Bull 139:375-85, Oct 70
The effects of acute gamma irradiation on the brine shrimp, Artemia. I. Life spans and male reproductive performance. Squire RD, et al.
Biol Bull 139:363-74, Oct 70
Ultraviolet light sensitive mutants of Ustilago violacea. Day AW, et al. Can J Genet Cytol 12:891-904, Dec 70
Absence of a detectable change in Ds at the A1 locus in maize following mutagenic treatments. Mouli C, et al.
Can J Genet Cytol 12:436-42, Sep 70
A study on the radioprotective property of thiourea against radiation-induced chromosome damage. Reddy SB. Can J Genet Cytol 12:685-8, Dec 70
Rearrangements between germ-line limited and somatic chromosomes in Smittia parthenogenetica (Chironomidae, Diptera). Bauer H.
Chromosoma 32:1-10, 2 Dec 70
A radiation analysis of a Comstockiella chromosome system: destruction of heterochromatic chromosomes during spermatogenesis in Pariatoria oleae (Coccoidea: Diaspididae). Kitchin RM.
Chromosoma 31:165-97, 1970
Variations in the radiosensitivity of oocyte chromosomes during meiosis in Drosophila melanogaster. Koch EA, et al.
Chromosoma 30:98-108, 1970
Chromosome and chromatid-type aberrations induced by Cobalt 60 irradiation and tritiated uridine in human leukocyte cultures. Lindahl-Kiessling K, et al.
Chromosoma 31:280-4, 1970
On the state of the progeny of lethally irradiated animals treated with prophylactic and therapeutic drugs. Dimitrov L, et al.
Dokl Bolg Akad Nauk 22:839-42, 1969
Changes in the DNA template after x-ray irradiation in vitro. Russev GK, et al.
Dokl Bolg Akad Nauk 23:439-42, 1970
X-ray induced life-shortening mutations in Habrobracon: a genetic approach to senescence and duration of life. Baird MB, et al.
Exp Gerontol 6:1-8, 1 Feb 71
Mutagenic effect of UV-light and x-rays on Streptomyces nigrifaciens and yield of the antifungal substance. Chaudhary KC, et al.
Experientia 27:706-7, Jun 71
The immediate and delayed effects of 1000 R x-rays on the rodent testis. Rugh R, et al.
Fertil Steril 22:73-82, Feb 71
Ovarian radiation dosage during hysterosalpingography. Shirley RL.
Fertil Steril 22:83-5, Feb 71
The failure of caffeine to induce mutagenic effects or to synergize the effects of known mutagens in mice. Epstein SS, et al.
Food Cosmet Toxicol 8:391-401, Aug 70
Mutagenesis in bacteriophage T4. 3. Requirement for DNA synthesis in mutation by gamma rays of T4-phage complexed with Escherichia coli. Bridges BA, et al.
Genet Res 15:147-56, Apr 70
Limited genetic and functional participation in multiple infections by UV-irradiated wild-type T4 phages in competition with one unirradiated helper phage. Barricelli NA. Genetics 63:539-46, Nov 69
Mosaic analysis of bristle displacement in Drosophila. Claxton JH. Genetics 63:883-96, Dec 69
Genetic effects of cumulative maternal irradiation on growth and age at sexual maturity in rats. Davison J, et al. Genetics 66:695-708, Dec 70
Base-change mutagenesis and prophage induction in strains of Escherichia coli with different DNA repair capacities. Kondo S, et al. Genetics 66:187-217, Oct 70
The eccentricity of vermilion deficiencies in Drosophila melanogaster. Lefevre G Jr.
Genetics 63:589-600, Nov 69
Gamma ray-induced mutations in Drosophila melanogaster oocytes: the phenomenon of dose rate. Markowitz EH. Genetics 64:313-22, Feb 70
The effects of X rays on the bronze and shrunken loci in maize. Mottinger JP. Genetics 64:259-71, Feb 70
Radiation-induced recessive visible mutations of oocytes during meiosis in the silkworm. Murakami A. Genetics 67:109-20, Jan 71
Cytogenetics of two radiation-induced, sex-linked translocations in the yellow-fever mosquito, Aedes aegypti. Rai KS, et al. Genetics 66:635-51, Dec 70
Screening for x-ray-induced crossover suppressors in Drosophila melanogaster: prevalence and effectiveness of translocations. Roberts PA.
Genetics 65:429-48, Jul 70
Effects of x-irradiation and gamma irradiation on paramutation in R heterozygotes in maize. Shih KL, et al. Genetics 65:473-82, Jul 70
Lifetime body weights and mortality distributions of mice with 10 to 35 generations of ancestral x-ray exposure. Spalding JF, et al.
Genetics 63:897-906, Dec 69
Effects of x rays on genetic loads in a aage population of Drosophila melanogaster. Tobari I, et al.
Genetics 65:107-19, May 70
90 Sr induced translocations in mice. Reddi OS.
Indian J Med Res 59:574-7, Apr 71
90Sr-induced osteosarcomas in radiation chimaeras. Barnes DW, et al. Int J Radiat Biol 18:531-7, 1970
The chemical inhibition of the repair of single-strand breaks in DNA: post-irradiation sensitization to x-rays. Kapp DS, et al. Int J Radiat Biol 19:255-62, 1971
Radiation-induced single-strand breaks in double-stranded circular DNA. Kessler B, et al.
Int J Radiat Biol 20:75-8, 1971
Increased hybridization of RNA synthesized immediately after irradiation in cultured L5178Y mouse leukaemic cells. Meltz ML, et al.
Int J Radiat Biol 19:287-92, 1971
DNA repair in E. coli B-r after x-irradiation in the presence of iodide or iodoacetamide. Myers DK.
Int J Radiat Biol 19:293-5, 1971
Toxicity of tritiated thymidine in P388F lymphoma cells. II. Effects of DNA molecular weight. Peterson AR, et al. Int J Radiat Biol 19:237-46, 1971
Relative biological effectiveness of o. 43 -MeV and lower energy neutrons on somatic aberrations and hair-length in Tradescantia stamen hairs. Underbrink AG, et al. Int J Radiat Biol 19:215-28, 1971
Chromosomal aberrations in cultured porcine fibroblasts after x-irradiation of male progenitors. Zartman DL, et al. J Anim Sci 32:1-9, Jan 71
Chromosome aberrations after x-ray therapy. Kučerová M. J Genet Hum 18:21-9, May 70
Trisomy 18 syndrome in Chinese infants. Clinical findings and incidence. Emanuel I, et al.
J Med Genet 7:138-41, Jun 70
Virus-genetic theory testing by data processing machines. 3. The intepretation of radiation genetic and partial phage experiments in T4. General remarks on the theory-testing rsults. Barricelli NA, et al.
J Theor Biol 32:603-23, Sep 71
Chromosome damage in patients who have had intra-articular injections of radioactive gold. Stevenson AC, et al. Lancet 1:837-9, 24 Apr 71
Evidence for an early regulatory function in Phage P22. Bezdek M, et al. Mol Gen Genet 108:243-8, 1970
Common steps in the repair of alkylation and radiation damage in yeast. Brendel M, et al.
Mol Gen Genet 106:289-95, 1970
Hyper-UV-sensitive yeast. I. Isolation and properties of two such mutants. Brown AM, et al.
Mol Gen Genet 108:258-65, 1970
X-ray study of competence development in Bacillus subtilis. Epstein HT. Mol Gen Genet 110:327-31, 1971
X-irradiation sensitivity in Escherichia coli defective in DNA replication. Fangman WL, et al.
Mol Gen Genet 110:332-47, 1971
Conjugal transfer of UV-damaged F-prime sex factors and indirect induction of prophage-. George J, et al.
Mol Gen Genet 111:103-19, 1971
The effects of caffeine, ultraviolet and x-irradiation on DNA breakdown in E. coli B and some of its dark repair mutants. Grigg GW.
Mol Gen Genet 106:228-38, 1970
Infectious DNA from coliphage T1. II. Host-cell reactivation of UV-irradiated molecules. Hotz G, et al.
Mol Gen Genet 108:233-42, 1970
Bromodeoxyuridine sensitization of the ultraviolet-sensitive Escherichia coli ras- mutant to ultraviolet irradiation. Lentzen DE, et al.
Mol Gen Genet 108:218-24, 1970
Induction of prophage lambda in a mutant of E. coli K12 defective in initiation of DNA replication at high temperature. Monk M, et al.
Mol Gen Genet 110:299-306, 1971
Photoreactivation of mutational damage produced by the interaction between DEB and UV in Neurospora. Rannug JU. Mol Gen Genet 111:194-6, 1971
Rejoining of single breaks of DNA induced by x-rays in mammalian cells: effects of metabolic inhibitors. Tsuboi A, et al. Mol Gen Genet 108:117-28, 1970
On the killing and mutagenic action in E. coli associated with the Auger effect during 125-I decay. Ahnström G, et al. Mutat Res 10:247-50, Sep 70
Mapping of the uvr gene of Salmonella typhimurium. Andreeva IV, et al. Mutat Res 10:506-8, Nov 70
Comparative aspects of the effects of radiation during oogenesis. Baker TG. Mutat Res 11:9-22, Jan 71
Radiation-induced human chromosome aberrations: in vitro dose rate studies. Brewen JG, et al.
Mutat Res 12:305-14, Jul 71
Differential mutation of the beta-galactosidase gene of Escherichia coli. Brock RD. Mutat Res 11:181-6, Feb 71
Genetic classification of the lethal effects of various agents on heterokaryotic spores of Phycomyces. Cerdá-Olmedo E, et al. Mutat Res 9:369-84, Apr 70
Mammalian cell genetics. 3. Characterization of x-ray-induced forward mutations in Chinese hamster cell cultures. Chu EH. Mutat Res 11:23-34, Jan 71
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. I. Effects of genetic mismatch and target size. Day RS 3d, et al.
Mutat Res 11:293-311, Mar 71
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. II. A reextraction study of integration and repair. Day RS 3d, et al.
Mutat Res 11:313-26, Mar 71
Comparison of radiation-and chemically-induced dominant lethal mutations in male mice. Ehling UH.
Mutat Res 11:35-44, Jan 71
Another two genes controlling mitotic intragenic recombination and recovery from UV damage in Aspergillus nidulans. I. UV sensitivity, complementation and location of six mutants. Fortuin JJ. Mutat Res 11:149-62, Feb 71
Another two genes controlling mitotic intragenic recombination and recovery from UV damage in Aspergillus nidulans. II. Recombination behaviour and x-ray-sensitivity of uvsD and uvsE mutants. Fortuin JJ. Mutat Res 11:265-77, Mar 71
Ultraviolet-sensitive mutants of Streptomyces coelicolor. II. Genetics. Harold RJ, et al.
Mutat Res 10:439-48, Nov 70
Studies on the mutability of Escherichia coli K12. II. Modification of radiation sensitivity by reversions in a threonine auxotroph. Kada T.
Mutat Res 10:103-9, Aug 70
Studies on the mutagenic action of N-methyl-N'-nitro-N-nitrosoguanidine in Paramecium aurelia with emphasis on repair processes. Kimball RF. Mutat Res 9:261-71, Mar 70
Dose dependence for radiation-induced allelic recombination in Chlamydomonas reinhardi.
Lawrence CW. Mutat Res 10:557-66, Dec 70
Effect of gamma radiation and alpha particles on gene recombination in Chlamydomonas reinhardi.
Lawrence CW, et al. Mutat Res 10:545-55, Dec 70
Induction by x-rays of isochromosomes in the germ cells of Drosophila melanogaster males. Evidence for nuclear selection in embryogenesis. Leigh B, et al.
Mutat Res 10:475-87, Nov 70
Radiation-induced translocations in spermatogonia of mice. Léonard A. Mutat Res 11:71-80, Jan 71 (72 ref.)
The mutagenic effect of 90Sr in barley. Lindgren D, et al. Mutat Res 10:335-51, Oct 70
Estimates of the genetic risks from ionizing irradiation. Lüning KG, et al. Mutat Res 12:291-304, Jul 71
Testing for recessive lethals in mice. Lüning KG.
Mutat Res 11:125-32, Jan 71
X-ray-induced dominant lethal mutations in male guinea-pigs, hamsters and rabbits. Lyon MF.
Mutat Res 10:133-40, Aug 70
Dose-response curve for the yield of translocations in moûse spermatogonia after repeated small radiation doses. Lyon MF, et al. Mutat Res 10:497-501, Nov 70
Species comparisons concerning radiation-induced dominant lethals and chromosome aberrations. Lyon MF, et al. Mutat Res 11:45-58, Jan 71
Radiation dose fractionation, mitotic index, and multiple fixation studies on chromosome aberrations in Vicia faba. Miller MW, et al.
Mutat Res 10:449-62, Nov 70
Dose-response curve for x-ray-induced translocations in mouse spermatogonia. II. Fractionated doses.
Morris T, et al. Mutat Res 9:411-5, Apr 70
Effects of paternal x-irradiation on litter size and early postnatal mortality in swine. Mullaney PD, et al.
Mutat Res 9:337-40, Mar 70
Feed effeciency in swine following paternal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

x-irradiation. Mullaney PD, et al.
Mutat Res 11:350-2, Mar 71
Unscheduled DNA synthesis at low X-ray doses. Norman A, et al. Mutat Res 10:379-87, Oct 70
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. I. Decreased radiosensitivity in stage-7 oocytes of the irradiated population RO I. Nöthel H. Mutat Res 10:463-74, Nov 70
A new concept of spermatogonial stem-cell renewal in the mouse and its relationship to genetic effects. Oakberg EF. Mutat Res 11:1-7, Jan 71
Producing and detecting paracentric chromosomal inversions in mice. Roderick TH.
Mutat Res 11:59-69, Jan 71
Definition of functional units in a small chromosomal segment of the mouse and its use in interpreting the nature of radiation-induced mutations. Russell LB. Mutat Res 11:107-23, Jan 71
Chromosome constitution and its bearing on the chromosomal radiosensitivity in man. Sasaki MS, et al. Mutat Res 10:617-33, Dec 70
Dose-response curve for x-ray-induced translocations in mouse spermatogonia. I. Single doses. Savkovic NV, et al. Mutat Res 9:407-9, Apr 70
Visualization by scanning electron microscopy of achromatic lesions ("gaps") induced by x-rays in chromosomes of Vicia faba. Scheid W, et al.
Mutat Res 11:253-5, Feb 71
Chromosomal rejoining in the absence of unscheduled DNA synthesis. Shaeffer J, et al.
Mutat Res 11:256-7, Feb 71
Interaction of mutational lesions induced by ethyl methanesulphonate and gamma-rays in males of Drosophila. Sharma RP, et al.
Mutat Res 10:221-6, Sep 70
RBE values of 15-MeV neutrons for recessive lethals and translocations in mature spermatozoa and late spermatids of Drosophila. Sobels FH, et al.
Mutat Res 9:395-406, Apr 70
Chromosome aberrations induced by x-ray therapy and myxovirus infection in human peripheral leukocytes. Stenman S, et al. Mutat Res 10:607-16, Dec 70
Nondisjunction induced by x-rays in oocytes of Drosophila melanogaster. Traut H.
Mutat Res 10:125-32, Aug 70
The resistance of mature oocytes of Drosophila melanogaster to the induction of non-disjunction by X-rays. Traut H. Mutat Res 10:156-8, Aug 70
Cytological analysis of partial and total X-chromosome loss induced by x-rays in oocytes of Drosophila melanogaster. Traut H, et al.
Mutat Res 10:583-9, Dec 70
A cytogenetic study of radiation damage in entire genomes of Drosophila. Valencia RM.
Mutat Res 10:207-19, Sep 70
X-ray-induced recombination in the fourth chromosome of Drosophila melanogaster females. I. Kinetics and brood patterns. Williamson JH, et al.
Mutat Res 9:287-97, Mar 70
X-ray-induced recombination in the fourth chromosome of Drosophila melanogaster females. II. Segregational properties of recombinant fourth chromosomes. Williamson JH, et al.
Mutat Res 9:299-306, Mar 70
On the "tertiary" structure of chromosomes. Wolff S.
Mutat Res 10:405-14, Nov 70
Induction of mitotic gene conversion by mutagens. Zimmermann FK. Mutat Res 11:327-37, Mar 71
Induction of directional chromosome elimination in somatic cell hybrids. Pontecorvo G.
Nature (Lond) 230:367-9, 9 Apr 71
Induction of mutation by gamma-irradiation in the presence of oxygen or nitrogen. Alderson T, et al.
Nature [New Biol] 230:45-8, 10 Mar 71
Host cell reactivation in strains of E. coli lacking DNA polymerase activity in vitro. Klein A, et al.
Nature [New Biol] 229:82-4, 20 Jan 71
Ultraviolet mutagenesis in strains of E. coli deficient in DNA polymerase. Witkin EM.
Nature [New Biol] 229:81-2, 20 Jan 71
Mutagenic effects of near ultraviolet and visible radiant energy on continuous cultures of escherichia coli. Webb RB, et al.
Photochem Photobiol 12:457-68, Dec 70
Chromosomal aberrations and mortality of x-irradiated mammalian cells: emphasis on repair. Dewey WC, et al. Proc Natl Acad Sci USA 68:667-71, Mar 71
Mutation and recombination of bacteriophage lambda: effect of ultraviolet radiation. Miura A, et al.
Proc Natl Acad Sci USA 67:1722-6, Dec 70
Effect of x rays on developing cysticercoids of Hymenolepis microstoma. Bieler J, et al.
Radiat Res 45:182-90, Jan 71
The response of the 9 and one-half-day-old-rat embryo to variations in exposure rate of 150 R x-irradiation. Brent RL. Radiat Res 45:127-36, Jan 71
Metaphase chromosome aberrations in Chinese hamster liver cells in vivo after single acute 60Co exposure. Brooks AL, et al.
Radiat Res 45:191-201, Jan 71
The induction of chromosomal aberrations in pig kidney cells by far-red light. Gordon SA, et al.
Radiat Res 45:274-87, Feb 71
X-ray-induced single-strand breaks in DNA of E. coli B-r: effect of irradiation and postirradiation conditions. Lehnert S, et al.
Radiat Res 45:299-310, Feb 71
The rate of translocations induced in spermatogonia of mice by two x-irradiation exposures separated by varying time intervals. Léonard A, et al.
Radiat Res 45:72-9, Jan 71
Genetic variation in irradiated and nonirradiated populations of the lizard, Uta stansburiana. McKinney CO, et al. Radiat Res 47:530-6, Aug 71
Persistence of heritable changes in an irradiated rat population after cessation of the exposures. Newcombe HB, et al. Radiat Res 47:450-60, Aug 71
Cytogenetic investigation of industrial workers occupationally exposed to gamma rays. Popescu HI, et al. Radiat Res 47:562-70, Aug 71
A comparison of unscheduled DNA synthesis, D0, cell recovery, and chromosome number in x-irradiated mammalian cell lines. Shaeffer J, et al.
Radiat Res 47:426-36, Aug 71
Stage sensitivity and dose response in human leukocytes. Shepard JS, et al.
Radiat Res 44:855-66, Dec 70
Potentiation of x-ray killing by 5-bromodeoxyuridine in Chinese hamster cells: a reduction in capacity for sublethal damage accumulation. Shipley WU, et al.
Radiat Res 47:437-49, Aug 71
A genetic effect on radiation sensitivity consistent with a single gene locus hypothesis. Spalding JF, et al.
Radiat Res 44:670-3, Dec 70
Power relations as an expression of relative biological effectiveness (RBE) in Tradescantia stamen hairs. Underbrink AG, et al. Radiat Res 46:580-7, Jun 71
Induced mutations in plants. Sigurbjörnsson B.
Sci Am 224:86-95, Jan 71
Chromatid breakage: cytosine arabinoside-induced lesions inhibited by ultraviolet irradiation. Benedict WF, et al. Science 171:680-2, 19 Feb 71
Chromosome lesions produced with an argon laser microbeam without dye sensitization. Berns MW, et al. Science 171:903-5, 5 Mar 71
Trisomy associated with diagnostic X-rays. Uchida IA.
South Med J 64:Suppl1:81-4, Feb 71
[Genetic recombination and "lex" function in UV reactivation and mutagenesis of phage lambda] Fauquet P, et al.
Arch Int Physiol Biochim 78:586-8, Aug 70 (Fre)
[Inability of repair enzymes to act on lesions induced with treatment with 1M hydroxylamine] Soyfer VN.
Arch Roum Pathol Exp Microbiol 28:941-6, Dec 69 (Fre)
[Breaks of chains in nucleic acids photosensitized by benzophenone] Charlier M, et al.
C R Acad Sci [D] (Paris) 272:743-6, 1 Feb 71 (Fre)
[Prenatal mortality induced by irradiation of spermatozoa] Léonard A.
C R Soc Biol (Paris) 164:903-7, 1970 (Fre)
[Effects of microirradiations on the microsporocytes and microspores of Tradescantia paludosa. II. Alpha particles] Garot G, et al.
Can J Genet Cytol 12:137-44, Mar 70 (Fre)
[In vitro effect of gamma irradiation on human chromosomes] Mouriquand C, et al.
Int J Radiat Biol 19:263-79, 1971 (Fre)
[Mutation rate after roentgen irradiation in Drosophila eggs between fertilization and the first cleavage division] Ulrich H, et al.
Arch Julius Klaus Stift Vererbungsforsch 43:Suppl:82-7, 1968 (Ger)
[Repair of DNA strand breaks in Chlorella cells following gamma-irradiation] Cabela E, et al.
Biophysik 7:200-4, 1971 (Ger)
[Cause of differential radiosensitivity of early cleavage stages in Drosophila melanogaster] Matter BE.
Mutat Res 10:567-82, Dec 70 (Ger)
[Dominant lethal mutations in the offspring of irradiated male mice. 1. Studies of the dosage effect and the difference between whole-and part-body irradiation in meiotic and postmeiotic cell stages] Schröder JH, et al. Mutat Res 11:215-45, Feb 71 (Ger)
[The effects of chemical protection against radiation as reflected by aberrations of the chromosomes in the bone-marrow of mice after exposure to x-rays] Padeh B, et al. Harefuah 77:392-5, 2 Nov 69 (Heb)
[The problem of gondal doses in social and preventive medical centers]- di Renzo R.
Atti Accad Fisiocrit Siena [Med Fis] 17:1006-8, 1968 (Ita)
[Notes on gonadal absorbed doses in roentgen diagnosis] Torretta A, et al.
Minerva Med 62:779-81, 24 Feb 71 (Ita)
[On the risks of genetic damage in roentgen diagnostic practice] Torretta A, et al.
Minerva Med 62:776-8, 24 Feb 71 (Ita)
[Relationship between sex and mutations in offspring of irradiated mothers. Review] Cipani F, et al.
Riv Ital Ginecol 53:587-626, Oct 69 (88 ref.) (Ita)
[Selection of Proactinomyces fructiferi var. ristomycini producer of ristomycin] Trutneva EM, et al. Antibiotiki 15:682-6, Aug 70 (Rus)
[Selection of strains producing hygromycin B using roentgen rays] Tayganov VA, et al.
Antibiotiki 15:679-82, Aug 70 (Rus)
[Conservation of radiation injuries of chromosomes in generations of irradiated cells of human diploid strains] Chervonskaia NV.
Biull Eksp Biol Med 70:89-92, Dec 70 (Rus)
[Development of the adrenal cortex in the offspring of whole-body-irradiated rabbits] Moldavskii MI, et al.
Biull Eksp Biol Med 68:116-8, Oct 69 (Rus)
[Effect of single and fractionated irradiation on normal and neoplastic tissues with similar mitotic activity] Shiffer IV. Biull Eksp Biol Med 67:66-9, 1969 (Rus)
[The effect of local gamma-irradiation on the quantity of chromosomal aberrations in human peripheral blood lymphocytes] Berlin LB.
Dokl Akad Nauk SSSR 187:446-8, 11 Jul 69 (Rus)
[Effect of cystamine on chromosome aberrations of human peripheral blood lymphocytes during local fractionated gamma-irradiation] Berlin LB.
Dokl Akad Nauk SSSR 195:998-1000, 1970 (Rus)
[Analysis of the adhesive period of chromosomes in mammalian cells in vitro in relation to the mechanism of structural mutation formation] Demint IuS, et al.
Dokl Akad Nauk SSSR 195:1204-6, 1970 (Rus)
[Reparative splitting of DNA filaments as a basis for chromosome structural mutations and mitotic crossing over] Dubinin NP, et al.
Dokl Akad Nauk SSSR 189:643-6, Nov 69 (Rus)
[Modification of chemical and radiation mutagenesis in relation to metabolism] Dubinina LG, et al.
Dokl Akad Nauk SSSR 193:1167-70, 1970 (Rus)
[Use of a marker in the induction of mutants of Bacterium paracoli with changed DNA composition] Gauze GF, et al.
Dokl Akad Nauk SSSR 195:1446-9, 1970 (Rus)
[Repair of gamma-ray-induced single ruptures of DNA strands by polynucleotide ligases in vitro] Gaziev AI, et al. Dokl Akad Nauk SSSR 195:479-82, 1970 (Rus)
[Union of chromosome fragments in early stages after x-irradiation] Generalova MV.
Dokl Akad Nauk SSSR 184:211-3, Jan 69 (Rus)
[Some changes in the primary and secondary structure of the low-polymer fraction of labile DNA from cotton seedlings grown from irradiated seeds] Ibragimov AP, et al. Dokl Akad Nauk SSSR 192:1164-5, 1970 (Rus)
[Effect of aqueous saline extracts of mouse tissues on previously irradiated hereditary structures] Kerkis Iuls, et al.
Dokl Akad Nauk SSSR 186:195-7, May-Jun 69 (Rus)
[Changes in the frequency of chromosome reorganization in irradiated plants under the influence of gibberellin] Kriukova LM, et al.
Dokl Akad Nauk SSSR 187:453-5, 11 Jul 69 (Rus)
[Chromatid structural changes of chromosomal origin as a result of mitotic crossing over between sister chromatids in ring chromosomes] Nemtseva LS, et al.
Dokl Akad Nauk SSSR 186:1185-8, 11 Jun 69 (Rus)
[Effect of fractionated irradiation on the radiation sensitivity of embryonal mouse liver cells] Nuzhdin NI, et al.
Dokl Akad Nauk SSSR 194:946-9, 1 Oct 70 (Rus)
[Accuracy of the work of Micrococcus lysodeikticus endonuclease, participitating in the splitting-out of pyrimidine base dimers from DNA] Paribok VP, et al.
Dokl Akad Nauk SSSR 195:489-92, 1970 (Rus)
[Mutagenic effect of radiation on mice spermatogoniae] Pomerantseva MD, et al.
Dokl Akad Nauk SSSR 185:1157-60, 11 Apr 69 (Rus)
[Repair by polynucleotide ligase in vitro of damage in DNA induced by x-rays] Postnova TI, et al.
Dokl Akad Nauk SSSR 195:976-8, 1970 (Rus)
[Chromosome aberrations and radiation-induced death of somatic mammalian cells] Shapiro NI, et al.
Dokl Akad Nauk SSSR 193:207-10, Jul-Aug 70 (Rus)
[Flavinogenesis in guanine-dependent mutants of Candida guilliermondii] Shavlovskii GM, et al.
Dokl Akad Nauk SSSR 196:701-4, 21 Jan 71 (Rus)
[Effect of caffeine on multiple reactivation and cross-reactivation of vaccinia virus] Sitnikov BS, et al.
Dokl Akad Nauk SSSR 188:924-5, Oct 69 (Rus)
[Obtaining male progeny from silkworms] Strunnikov VA. Dokl Akad Nauk SSSR 188:1155-8, 11 Oct 69 (Rus)
[Mechanism of the radiation-sensitizing action of N-ethylmaleimide] Tarasenko AG, et al.
Dokl Akad Nauk SSSR 193:1406-8, 1970 (Rus)
[Mutagenic effect of laser radiation on the seeds of Arabidopsis thaliana (L.) Heynh] Usmanov PD, et al.
Dokl Akad Nauk SSSR 193:455-7, Jul 70. (Rus)
[Radiation-hygienic significance of natural carbon-14] Aleksandrov SN, et al. Gig Sanit 36:63-6, 1971 (Rus)
[Recovery of cells from sublethal radiation damage with fractionated radiation dose] Malinovskii OV.
Izv Akad Nauk SSSR [Biol] 2:221-31, Mar-Apr 71 (Rus)
[Variability in the activity of proteolytic enzymes in Aspergillus terricola, caused by the action of mutagenic factors] Gendina SB.
Mikrobiologiia 40:88-92, Jan-Feb 71 (Rus)
[Pigmented mutant types of Nadsoniella nigra and effectiveness of radiomutagens] Liakh SP, et al.
Mikrobiologiia 38:663-6, Jul-Aug 69 (Rus)
[Change in the properties of Escherichia coli K-12 (F-) (287 uph-) induced by repeated gamma-irradiation] Pershina ZG, et al.
Mikrobiologiia 40:528-31, May-Jun 71 (Rus)
[Mutants of Candida guilliermondii with damage to various groups in the biosynthesis of inosinic and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

adenylic acids] Shaviovskif GM, et al.
Mikrobiologiia 40:76-82, Jan-Feb 71 (Rus)
[Some properties of induced mutants of Pseudomonas caudatus] Volkova LP, et al.
Mikrobiologiia 40:342-8, Mar-Apr 71 (Rus)
[Production of Aspergillus oryzae mutants, active producers of acid proteinase] Zueva RV, et al.
Mikrobiologiia 40:83-7, Jan-Feb 71 (Rus)
[Chromatid aberrations caused by radiation in phase G1] Dubinin NP, et al.
Radiobiologiia 11:57-63, Jan-Feb 71 (Rus)
[Relation of the protective effect of anoxia to the radiation dose during the formation ofchromosome aberrations] Iakovenko KN, et al.
Radiobiologiia 10:855-63, Nov-Dec 70 (Rus)
[Radiation effect on the activity of cotton aminoacyl-tRNA-synthetases and tRNA] Karakuziev U, et al. Radiobiologiia 10:815-9, Nov-Dec 70 (Rus)
[Dosage curves for appearance of chromosome aberrations and modifications of cellular metabolism] Mitrofanov IuA, et al.
Radiobiologiia 11:53-6, Jan-Feb 71 (Rus)
[Repairing radiation damage to bone marrow cell chromosomes by administration of high-polymer homologous DNA] Muksinova KN, et al.
Radiobiologiia 11:69-73, Jan-Feb 71 (Rus)
[Use of homologous DNA for modification of radiation damage to the structure of seed embryo DNA] Nelipovich PA, et al.
Radiobiologiia 10:820-5, Nov-Dec 70 (Rus)
[Relation of cytogenetic damage to the magnitude of the dose of gamma radiation] Piatenko VS.
Radiobiologiia 10:849-54, Nov-Dec 70 (Rus)
[Mutagenic effect of fast neutrons and x-rays on mice spermatogonia] Pomerantseva MD, et al.
Radiobiologiia 10:864-73, Nov-Dec 70 (Rus)
[Modifying effect of caffeine in the induction of cytogenetic damage by gamma rays in a Chinese hamster cell culture] Shalumashvili MA, et al.
Radiobiologiia 11:64-8, Jan-Feb 71 (Rus)
[Method of studying radiation effects on chromatin deoxyribonucleoprotein] Strazhevskaia NB, et al.
Radiobiologiia 10:807-14, Nov-Dec 70 (Rus)
[Effet of chemical substances on radiation damage to chromosomes induced in dormant pea seeds by different doses of gamma-rays] Tsarapkin LS, et al.
Radiobiologiia 10:844-8, Nov-Dec 70 (Rus)
[Effect of x-rays on the formation in a culture of L cells of variants resistant to 8-azaguanine] Adomaitene D.
Tsitologiia 13:368-73, Mar 71 (Rus)
[Resistance of the corneal epithelium to UV radiation] Genter EI. Tsitologiia 13:206-11, Feb 71 (Rus)
[Repair of lethal damage to Escherichia coli and coliphages during the photodynamic action of Acridine Orange] Janovska E, et al.
Tsitologiia 12:1562-9, Dec 70 (Rus)
[Change in the sensitivity to ultraviolet rays during embryogenesis in Drosophila] Levin VL.
Tsitologiia 13:212-20, Feb 71 (Rus)
[Unscheduled DNA synthesis and repair of HeLa Zh-63 cells sublethally damaged by irradiation] Paribok VP, et al. Tsitologiia 12:1423-32, 1970 (Rus)
[Genetics of radioresistance of Escherichia coli] Grinberg J.
Vestn Akad Med Nauk SSSR 24:17-35, 1969 (Rus)
[Inactivation of bacteriophage d-phi-4 infectious DNA with ultraviolet rays and its protection with acridine dyes] Rolnishvili ES.
Zh Mikrobiol Epidemiol Immunobiol 47:133-7, Aug 70 (Rus)
[Chromosome mutations induced by space flight factors in barley seeds during the flight of the automatic stations Zond-5 and Zond-6 around the moon] Nuzhdin NI, et al.
Zh Obshch Biol 31:72-83, Jan-Feb 70 (Rus)
[Delayed effects of x-rays on chromosomes; the plasma factor of chromosome rupture and biological specificity] Villaescusa VG, et al.
Rev Clin Esp 119:395-400, 15 Dec 70 (Spa)
[Can environmental poisoning produce genetic injuries in man?] Lindsten J.
Lakartidningen 68:Suppl I:32+, 29 Mar 71 (Swe)
[Nuclear-bomb tests and infant mortality. Viewpoint on a current American debate] Nilsson A, et al.
Lakartidningen 68:2801-6, 9 Jun 71 (Swe)
[Cytogenetic and clinical studies in children whose parents have been treated with iodine isotopes] Wicklund H, et al. Nord Med 85:629, 20 May 71 (Swe)

RADIATION INJURY (C14)

Biomedical aspects of microwave exposure. Michaelson SM. Am Ind Hyg Assoc J 32:338-45, May 71 (47 ref.)
Irradiation and radiocontamination during pregnancy. Sternberg J.
Am J Obstet Gynecol 108:490-513, 1 Oct 70 (46 ref.)
Inefficient use of x rays in diagnostic radiology. Taylor LS.
Am J Roentgenol Radium Ther Nucl Med 111:635-9, Mar 71
Irradiation of the liver in children: acute effects enhanced by concomitant chemotherapeutic administration? Tefft M, et al.
Am J Roentgenol Radium Ther Nucl Med 111:165-73, Jan 71
Complications of abdominal irradiation. Girvin GW, et al. Am Surg 37:498-502, Aug 71
Fetal effects during cyclophosphamide and irradiation therapy. Toledo TM, et al.
Ann Intern Med 74:87-91, Jan 71
Effects of radiation on man: Upton AC.
Annu Rev Nucl Sci 18:495-528, 1968 (267 ref.)
Thorium-dioxide granuloma with laryngeal palsy. Kobayashi T, et al. Arch Otolaryngol 92:272-4, Sep 70
Medical experience of the atomic bombings. Ilbery PL.
Australas Radiol 14:233-40, Aug 70
Chromosomal abnormalities in lymphocytes of children and baby rabbits born from mothers treated by X-irradiation before pregnancy. A transplacentary plasmatic chromosoe-damaged factor? Goyanes-Villascusa V. Biut 3:93-6, Feb 71
Radiation myelopathy in relation to oxygen level. Coy P, et al. Br J Radiol 44:705-7, Sep 71
Splenic atrophy following thorotrast administration. McLoughlin GP, et al. Br J Radiol 44:404, May 71
Therapeutic abortion in a Canadian city. Stapleton JG.
Can Med Assoc J 104:70, 9 Jan 71
Oculo-palpebral lesions following high-speed electron treatment of maxillary sinus tumours. Taddei L, et al.
Clin Radiol 21:417-24, Oct 70
Haemorrhagic gastritis as consequence of radiotherapy. Koudahi G, et al.
Dan Med Bull 18:76-8, Aug 71
Radiation risks from radiodiagnostic procedures.
Drug Ther Bull 8:85-7, 23 Oct 70
The biophysics of light energy and the eye. Favata BV, et al. Eye Ear Nose Throat Mon 49:447-51, Oct 70
Dose assessment from the UA-RR-1 reactor channel. Gomaa MA. Health Phys 19:323, Aug 70
A complication of the use of radiation for malignant neoplasia in chronic discoid lupus erythematosus. Urtasun RC. J Can Assoc Radiol 22:168-9, Jun 71
Vesicovaginal fistula after radiation therapy. Daly JW.
J Fla Med Assoc 58:25-6, Jun 71
Management of radionecrosis. Robinson DW, et al.
JAMA 217:950-1, 16 Aug 71
Radiation, chromosomes and man. Fitzgerald PH.
NZ Med J 73:147-54, Mar 71
Radiation duodenitis. Burn JI.
Proc R Soc Med 64:395-6, Apr 71
Late radiation nephritis after gastric x-irradiation for peptic ulcer. Thompson PL, et al.
Q J Med 40:145-57, Jan 71
Gonadal dose in male radiotherapy patients. Green JD, et al. Radiology 98:661-3, Mar 71
Care of patients involved in radiation accidents: recent advances. Saenger EL.
Strahlenschutz Forsch Prax 11:54-78, 1971 (19 ref.)
X-ray hazards in practices. O'Riordan MC.
Vet Rec 87:640-3, 21 Nov 70
[A case of thermal burns following the use of radiologic equipment during an operation] Lameer C.
Ned Tijdschr Geneeskd 115:538, 20 Mar 71 (Dut)
[Bone lesions due to intensive radiotherapy in gynecologic cancers (20 cases observed at Rene-Huguenin Center)] Delouche G, et al.
Ann Radiol (Paris) 13:793-810, 1970 (Fre)
[Cataract due to accidental acute total atomic irradiation in Yugoslavia in 1958] Haye C, et al.
Arch Ophtalmol (Paris) 30:567-70, Aug-Sep 70 (Fre)
[Effects of radiotherapy on surgery of the larynx and the hypopharynx (systematic study of the postoperative course)] Cachin Y, et al.
Bull Cancer (Paris) 56:427-38, Oct-Dec 69 (Fre)
[Influence of radioactive iodine on the fetus] Sirbu P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:314-6, 1968 (Fre)
[Constrictive pericarditis and radiotherapeutic myocarditis occurring in the distant sequelae of mediastinal Hodgkin's disease treated by surgical exeresis and massive irradiation] Dureau G, et al.
Experientia 27:376-9, 15 Jan 71 (Fre)
[Radiologic aspects of the fabrication and utilization of radioactive lightning conductors] Delhove J.
J Belge Radiol 52:ii-vii, 1969 (Fre)
[Is there a radiobiologic danger from supersonic transports?] Deltour G, et al.
Presse Therm Climat 107:34-5, 1970 (Fre)
[Mandibular osteoradionecrosis] Cachin Y, et al.
Probl Actuels Otorhinolaryngol 189-201, 1969 (Fre)
[Femoral neck fractures after pelvic irradiation] Duparc J, et al.
Rev Chir Orthop 57:Suppl 1:207-8, 1971 (Fre)
[Fracture of the femoral neck after pelvic irradiation] Dupard J, et al.
Rev Chir Orthop 57:227-41, Apr-May 71 (Fre)
[Oculopalpebral burns caused by radiation in war time] Bouchat J.
Rev Corps Sante Armees 10:121-34, Apr 69 (Fre)
[The resistance of ocular nerves to the action of radium placed in nasosinusal cavities] Portmann G, et al.
Rev Laryngol Otol Rhinol (Bord) 92:1-11, Jan-Feb 71 (Fre)
[Post-radiotherapy myelopathies during Hodgkin's disease. Apropos of 4 cases] Castaigne P, et al.
Rev Neurol (Paris) 123:369-86, Dec 70 (Fre)
[Bilateral radiotherapeutic hip and osseous necrosis of L5 after cyclocobalotherapy for cervix utori epithelioma] Gaucher A, et al.
Rhumatologie 23:165-9, May 71 (Fre)
[Pathologic effects of U.H.F. electromagnetic radiation from Aeriens radar. A case report] Doury P, et al.
Sem Hop Paris 46:2681-3, 20 Oct 70 (Fre)
[Effect of renal radioisotope diagnostics on kidney parenchyma in patients with malignomas, following radiotherapy] Wöligens P, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:415-21, Mar 71 (Ger)
[Chronic progressive radiation encephalopathy following irradiation of the retro-orbital space] Schiffter R, et al.
Fortschr Neurol Psychiatr 39:377-98, Jul 71 (Ger)
[Irradiation sequelae in the heart and major vessels] Kolár J. Med Klin 66:661-8, 30 Apr 71 (121 ref.) (Ger)
[Radionecrosis of the skin. Tasks for a medical group] Drepper H, et al. Med Welt 5:155-62, 30 Jan 71 (Ger)
[Radiation injury and radiation protection. Injuries caused by ionizing radiation (with special reference to delayed injuries)] Fischer H.
Munch Med Wochenschr 112:591-5, 27 Mar 70 (56 ref.) (Ger)
[Views on radiation hazards] Wachsmann F.
Radiologe 10:345-53, Sep 70 (35 ref.) (Ger)
[Review and analysis of radiation accidents] Brunner H.
Strahlenschutz Forsch Prax 11:1-11, 1971 (7 ref.) (Ger)
[Cloverleaf skull syndrome] Schuch A, et al.
Z Kinderheilkd 109:187-98, 1971 (Ger)
[Function disorders in the oral cavity as a side effect of radiotherapy] Hansen D, et al.
Z Laryngol Rhinol Otol 49:534-41, Aug 70 (Ger)
[Symptomatology and therapy of radiation reactions in the head-neck region] Hülse R.
Z Laryngol Rhinol Otol 50:133-40, Feb 71 (Ger)
[Late irradiation damages in the retromandibular region after carotid angiography and after sialography with Thorotrast] Manzke E.
Z Laryngol Rhinol Otol 50:33-40, Jan 71 (Ger)
[Possible genetic hazards of ultrasonic examination during pregnancy] Czeizel E, et al.
Orv Hetil 112:412-3, 14 Feb 71 (Hun)
[The real importance of risks from small doses of radiations] Pacelli M.
Ann Med Nav (Roma) 75:426-7, Jul-Aug 70 (Ita)
[Considerations on some complications correlated with radiotherapy of cutaneous angiomas] Francesconi G, et al. Boll Mal Orecch Gola Naso 88:215-34, 1970 (Ita)
[Cytogenetic studies on subjects occupationally exposed to low doses of ionizing radiations] Forni A, et al. Med Lav 60:169-74, Mar 69 (Ita)
[Biological effects of radar waves on the human organism. 2] Battarra P.
Minerva Med 61:4041-3, 19 Sep 70 (Ita)
[Effect of ionizing radiations on the human kidney] Bollini V, et al.
Radiobiol Radioter Fis Med 24:225-44, Jul-Aug 69 (Ita)
[The treatment of recurrences of tumors and associated radionecrosis of the lip] Damiani R, et al.
Radiobiol Radioter Fis Med 24:324-38, Sep-Oct 69 (Ita)
[Relationship between sex and mutations in offspring of irradiated mothers. Review] Cipani F, et al.
Riv Ital Ginecol 53:587-626, Oct 69 (88 ref.) (Ita)
[Atomic bomb radiation diseases] Kumatori T.
Naika 27:536-9, Mar 71 (Jap)
[Pulmonary changes after postoperative 60cobalt-treatment of breast neoplasms] Hagen S, et al. Nord Med 85:707, 3 Jun 71 (Nor)
[Symptoms of radiation disease and various radiation sequelae in man with special reference to the victims of the Hiroshima and Nagasaki atomic explosions] Szirmai E, et al. Przegl Lek 27:253-7, 1971 (Pol)
[Radiation-induced necrosis of the jaws and its prevention] Camillo A de A.
Rev Port Estomatol Cir Maxilofac 11:207-12, Jan-Jun 70 (Por)
[An unusual case of radiation injury of the lungs] Liubushin AA. Arkh Patol 32:67-70, 1970 (Rus)
[A case of acute radiation sickness as a result of external gamma-irradiation. I] Gembitskii EV, et al.
Med Radiol (Mosk) 15:48-54, Aug 70 (Rus)
[Methodologic recommendations concerning the organization of training physicians in the subject "radiation injury"] Gus'kova AK.
Med Radiol (Mosk) 15:21-4, Dec 70 (Rus)
[Bronchologic study of lung cancer patients following radiation therapy] Peresleglin IA, et al.
Med Radiol (Mosk) 15:3-7, Sep 70 (Rus)
[Radiation injury to the lungs during esophageal cancer treatment] Tikhonov KB, et al.
Med Radiol (Mosk) 15:8-12, Sep 70 (Rus)
[Mathematical model of radiation injury for the application of experimental data in man] Zherbin ZA, et al. Med Radiol (Mosk) 15:42-4, Dec 70 (Rus)
[Damage of the uropoietic system during the treatment of uterine cervix cancer and its prevention] Drahovský V, et al. Rozhl Chir 50:364-9, Jul 71 (Slo)
[Postirradiation proctocolitis] Altaras J, et al.
God Zb Med Fak Skopje 16:97-102, 1970 (Cro)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

Association of low serum magnesium concentration with severity of gastrointestinal symptomatology in the irradiated patient. Tansy MF, et al. J Surg Res 11:213-6, May 71
[The effects of nandronolone-decanoate and iron preparations on the hemogram of irradiated patients] Adám G, et al. Strahlentherapie 141:696-8, Jun 71 (Ger)

COMPLICATIONS

A study of aplastic anemia in an autopsy series with special reference to atomic bomb survivors in Hiroshima and Nagasaki. Kirshbaum JD, et al. Blood 38:17-26, Jul 71
Radium osteitis with osteogenic sarcoma: the chronology and natural history of a fatal case. Sharpe WD. Bull NY Acad Med 47:1059-82, Sep 71
Development of chromosome studies in relation to the dosimetry of acute and chronic radiation exposure. McLean AS. J Belge Radiol 53:387-96, Sep-Oct 70
[Bronchiectasis radiotherapeutic fibrothorax. Case reports] Monzali G, et al. Bronches 19:258-69, May-Jun 69 (Fre)
[Complications of obligatory total laryngectomy after physiotherapy] Dargent M, et al. Bull Cancer (Paris) 56:439-48, Oct-Dec 69 (Fre)
[Morbidity in radical neck dissection performed after irradiation] Jortay A, et al. Bull Cancer (Paris) 56:197-212, Apr-Jun 69 (Fre)
[Cataract of secondary atomic origin due to accidental acute total irradiation occurring in Yugoslavia in 1958] Haye C, et al. Bull Mem Soc Fr Ophtalmol 81:322-6, 1968 (Fre)
[Radiation effects in man. 3. Consequences of prenatal irradiation] Léonard A. J Belge Radiol 51:152-7, 1968 (Fre)
[Detection of radiation-induced vitamin B 6 deficiency states in humans] Ladner HA, et al. Fortschr Geb Roentgenstr Nuklearmed 112:382-8, Mar 70 (Ger)
[Combined radiation injuries] Messerschmidt O. Strahlenschutz Forsch Prax 11:78-90, 1971 (Ger)
[Late appearance of hemangioma on a radiation injury of the skin] Donati E. Minerva Radiol 15:207-12, Jul-Aug 70 (Ita)
[Prolonged exposure to ionizing radiation in a boy with aplastic anemia of Fanconi type] Gumiński T, et al. Przegl Lek 26:724-5, 30 Sep 70 (Pol)

DIAGNOSIS

Early alterations of the irradiated lung: evaluation of scans. Giannardi G, et al. Acta Isot (Padova) 9:403-7, 30 Sep 69
Interference of medically administered 57 Co with transuranic element in-vivo lung measurements. Andersen BV, et al. Health Phys 19:693-5, Nov 70
Evaluation of accidental personnel exposure to plutonium-238: whole body counting and bioassay results. Anderson HF, et al. Health Phys 18:631-9, Jun 70
In-vivo and bioassay results from two contrasting cases of plutonium-239 inhalation. Ramsden D, et al. Health Phys 19:9-17, Jul 70
AERIN, a code for acute aerosol inhalation exposure calculations. Voillequé PG. Health Phys 19:427-32, Sep 70
The isotopic renogram by patients suffering from cervical carcinoma. Vaerenbergh PM van, et al. Strahlentherapie 141:669-76, Jun 71
[Incorporation hazards and their estimation] Möhrle G, et al. Radiologe 10:381-5, Sep 70 (Ger)
[Dosimetry of radiation injury] Flückiger H. Strahlenschutz Forsch Prax 11:35-6, 1971 (Ger)
[Capillaroscopic studies with a cryotest with carbon dioxide snow in subjects exposed to the risk of ionizing radiations] Ippolito F, et al. G Ital Dermatol 44:528-30, Oct 69 (Ita)
[Importance, purpose and methods of early diagnosis of internal radioactive contamination of soldiers in battle] Pulcinelli M. Minerva Med 61:3981-9, 19 Sep 70 (Ita)
[Diagnosis of the exposure to radiations by means of study of chromosome aberrations] Koller PC. Recent Progr Med (Roma) 50:32-48, Jan 71 (Ita)
[The bioelectric activity of the brains under chronic exposure to ionizing radiation] Sosnovskaia FM. Zh Nevropatol Psikhiatr 71:205-9, 1971 (Rus)

DRUG THERAPY

[Colchimax for control of the disturbing local reaction during antitumoral radiotherapy] Papillon P, et al. J Fr Otorhinolaryngol 19:687-91, Oct 70 (Fre)
[A new method of treating radiation-induced brachial plexus pareses, after operation for carcinoma of the breast] Albert HH von, et al. Dtsch Med Wochenschr 95:2119-22, 16 Oct 70 (Ger)
[B-Vitamins in radiation reactions] Scherer E. Dtsch Med Wochenschr 96:604, 2 Apr 71 (Ger)
[Preliminary experiences in the treatment with DMSO fibrous skin changes after percutaneous radiotherapy] Glaser FH, et al. Radiobiol Radiother (Berl) 11:399-404, 1970 (Ger)
[Current status of biological and chemical radiation protection research] Langendorff H. Strahlenschutz Forsch Prax 11:90-6, 1971 (Ger)
[Influence of adrenal cortex total extracts on radiation sickness] Hartmann U, et al. Ther Ggw 110:539-45, Apr 71 (Ger)
[6 cases of necrotic radiation-induced skin ulcer treated with local application of adrenochromosemicarbazone sulfonic ester (EMEX)] Salati O, et al. Radiobiol Radioter Fis Med 24:258-76, Jul-Aug 69 (Ita)
[Therapeutic use and effects of Toresten for radiation sickness] Tatsuno I. Rinsho Hoshasen 15:913-5, Dec 70 (Jap)
[Reticuloendothelial system stimulation with Zymosan for treatment of late post-irradiation ulcers] Dobrek Z, et al. Pol Tyg Lek 26:84-5, 18 Jan 71 (Pol)
[Effect of bacterial polysaccharides on hematopoiesis following their administration after irradiation] Dikovenko EA, et al. Radiobiologiia 11:207-11, Mar-Apr 71 (Rus)

ENZYMOLOGY

A method of analysis of radiation response based on enzyme kinetics. Calkins J. Radiat Res 45:50-62, Jan 71
[Variations of SGOT and SGPT in rats fed a diet of different unsaturated fatty acid content following x-ray irradiation] Nemec R. Cesk Gastroenterol Vyz 25:34-9, Jan 71 (Slo)

ETIOLOGY

Late gastrointestinal complications in patients irradiated for cancer of the cervix. Yuen BH, et al. Am Surg 36:642-5, Oct 70
Reversal of liver scan image after right-sided renal radiotherapy. Samuels LD, et al. JAMA 215:1816-8, 15 Mar 71
My own experience with radiation damage, being a victim of my profession. Schneider GH. Radiol Clin Biol 39:434-6, 1970
Liver scans after primary treatment of tumors in children. Samuels LD, et al. Surg Gynecol Obstet 131:958-64, Nov 70
[Morbidity in surgical treatment of cancer of the breast after irradiation] Mattheiem W, et al. Bull Cancer (Paris) 56:483-8, Oct-Dec 69 (Fre)
[Surgery of breast epitheliomas after cobalt therapy, toward a total recovery. Study of the complications] Pilleron JP, et al. Bull Cancer (Paris) 56:467-82, Oct-Dec 69 (Fre)
[Tissue lesions caused by primary and secondary cosmic ray heavy ions] Pfister A, et al. Presse Therm Climat 107:36-7, 1970 (Fre)
[2 cases of acute physical injuries of the skin] Korting GW. Med Welt 30:1359-60, 25 Jul 70 (Ger)
[192 iridium contact irradiation and complications (radiation accident)] Chone B, et al. Strahlentherapie 140:113-22, Jul 70 (Ger)
[Radiation injuries following electron therapy of breast neoplasms] Frischbier HJ, et al. Strahlentherapie 139:684-94, Jun 70 (Ger)
[Reflected laser beam causing accidental burn of the macula] Hattori Y, et al. Folia Ophthalmol Jap 22:137-40, Mar 71 (Jap)

FAMILIAL & GENETIC

Cytogenetic investigation of industrial workers occupationally exposed to gamma rays. Popescu HI, et al. Radiat Res 47:562-70, Aug 71

HISTORY

[Historic development of the knowledge on radiation injury and radiation protection in medical x-ray institutions during the last 75 years] Jaeger RG. Roentgenpraxis 23:298-305, Dec 70 (Ger)
[Historical outline about radiation injury and radiation protection. I] Ratkóczy N. Strahlentherapie 141:311-20, 1971 (Ger)
[History of radiation injury and radiation protection. II] Ratkóczy N. Strahlentherapie 141:425-38, Apr 71 (Ger)

METABOLISM

[Pigmented xerodermoid. A defect of recombinational recovery following UV-injuries] Jung EG. Arch Dermatol Forsch 241:33-43, 1971 (Ger)

MORTALITY

Mortality in children exposed to the A-bombs while in utero, 1945-1969. Kato H. Am J Epidemiol 93:435-42, Jun 71
A regression analysis on the mortality of the Hiroshima atomic bomb survivors. Watanabe M. Hiroshima J Med Sci 19:119-23, Sep 70
Forensic pathologic criteria for radiation death. Warren S. J Forensic Sci 16:137-43, Apr 71
[Disorders of electrolyte metabolism in the course of the intestinal radiosyndrome] Bouckaert A. J Belge Radiol 51:89-102, 1968 (38 ref.) (Fre)

OCCURRENCE

Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation. Weiss ES, et al. Am J Public Health 61:241-9, Feb 71
Radiation Registry of Physicians. Silverman C, et al. Radiology 99:559-68, Jun 71
[Radiation accidents in North Rhine-Westphalia during years 1953-1969] Rahm G. Strahlenschutz Forsch Prax 11:109-24, 1971 (Ger)
[Treatment results and complications of the mega-volt therapy in cervix uteri carcinomas] Frischbier HJ, et al. Strahlentherapie 140:13-9, Jul 70 (Ger)
[Insurance of the radiologists] Di Paolo R, et al. Folia Med (Napoli) 53:41-50, Feb-Mar 70 (Ita)

PATHOLOGY

Smallest forms of papillary carcinoma of the thyroid. A study of 141 microcarcinomas less than 0.1 cm in greatest dimension. Sampson RJ, et al. Arch Pathol 91:334-9, Apr 71
Localized aplasia in irradiated vertebral bone marrow. A frequently overlooked gross observation. Schantz A, et al. Arch Pathol 92:187-90, Sep 71
A five-year inhalation study with natural uranium dioxide (UO_2) dust. I. Retention and biologic effect in the monkey, dog and rat. Leach LJ, et al. Health Phys 18:599-612, Jun 70
Forensic pathologic criteria for radiation death. Warren S. J Forensic Sci 16:137-43, Apr 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 11-1971. N Engl J Med 284:603-10, 18 Mar 71
Capillary microscopic observation on the superficial minute vessels of atomic bomb survivors, 1956-1957. Tsuya A, et al. Radiat Res 46:199-216, Apr 71
[Cell kinetic basis of whole body irradiation syndrome. (Pathology of radiation injuries)] Cottier H, et al. Strahlenschutz Forsch Prax 11:47-54, 1971 (Ger)
[State of fibrous structures in chronic radiation ulcers of the skin] Kostiukovskii IM, et al. Med Radiol (Mosk) 15:43-9, Jul 70 (Rus)

PHYSIOPATHOLOGY

[Significance of regeneration in light-induced skin injuries. Etiology and differentiation of xeroderma pigmentosum] Jung EG, et al. Strahlentherapie 141:738-44, Jun 71 (Ger)
[The cerebral circulation following acute radiation sickness in man] Glazunov IS, et al. Med Radiol (Mosk) 16:53-9, Mar 71 (Rus)

PREVENTION & CONTROL

Current status of laser threshold guides. Powell CH, et al. Am Ind Hyg Assoc J 31:485-91, Jul-Aug 70
Use of electron filter to reduce skin dose in cobalt teletherapy. Khan FM. Am J Roentgenol Radium Ther Nucl Med 111:180-1, Jan 71
The National Health and Medical Research Council. A review of publications relating to matters of radiation health. Stanford RW. Australas Radiol 15:77-9, Feb 71
Radiation hazards. Br Med J 2:727-8, 26 Jun 71
Management of bone in the patient before, during, and after treatment for oral cancer. CA 18:269-78, Sep-Oct 68
A simple means for reducing unnecessary patient dose in radiology departments. Goldberg RM. Health Phys 19:311, Aug 70
Radiological protection of workers exposed to airborne plutonium particulate. Holliday B, et al. Health Phys 18:529-40, May 70
Professional responsibilities of the health physicist in relation to the medical profession. Lindell B. Health Phys 20:475-83, May 71
Radiation effects in man: current views and prospects. Mole RH. Health Phys 20:485-90, May 71
A time of challenge to the health physicist. Morgan KZ. Health Phys 20:491-8, May 71
Radiation hazards. Gibbs WJ, et al. Nature (Lond) 228:297-8, 17 Oct 70
In vivo radiation dosimetry. Review of a 12-year experience. Roswit B, et al. Radiology 97:413-24, Nov 70 (53 ref.)
[Tritium control in humans] Haschke J. Arch Hyg Bakteriol 154:138-42, Oct 70 (Ger)
[Protective shield for restriction of irradiation load on bladder and rectum in intravaginal radium insertions] Michalica W, et al. Geburtshilfe Frauenheilkd 29:1115-9, Dec 69 (Ger)
[Radiation protection of children] Schuster W. Hefte Unfallheilkd 102:173-8, 1970 (Ger)
[Consequences of long-term effect of low radiation doses in uranium miners and possibilities of preventive drug treatment] Adámek M, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Osterr Z Erforsch Bekaempf Krebskr 26:194-200, 1971 (Ger)
[Studies on the reduction of the radiotherapy load in female patients with tumors] Kellner G, et al.
Osterr Z Erforsch Bekaempf Krebskr 26:180-91, 1971 (Ger)
[Handling of radiation protection determinations in general practice] Drexler G.
Radiologe 11:75-7, Feb 71 (Ger)
[Postoperative radiotherapy of breast carcinomas dispensing with chest wall irradiation] Kuttig H, et al.
Strahlentherapie 140:27-31, Jul 70 (Ger)
[Studies on biological radiation protection. 90. Radiation sensitivity of the mouse following pre-irradiation as well as following additional administration of radiation-resistance-increasing substances] Langendorff H, et al.
Strahlentherapie 139:336-46, Mar 70 (Ger)
[Results of the conformation radiotherapy of cervix neoplasms] Morita K, et al.
Strahlentherapie 140:8-12, Jul 70 (Ger)
[Pharmacological protection against light rays through elements of nucleic acids in animal experiments] Wiskemann A.
Strahlentherapie 141:752-5, Jun 71 (Ger)
[Measurement of internal contamination at the ENEL Electronuclear plant of Garigliano] Antonucci L, et al.
Minerva Fisiconuci 14:101-3, Jul-Sep 70 (Ita)
[Considerations on the average dose absorbed by persons engaged in transportation of radioactive materials in Italy (1967-1968)] Faloci C, et al.
Minerva Fisiconuci 14:159-71, Oct-Dec 70 (Ita)
[Symposium: radiation injury and its prevention] Hyohara M, et al. Iryo 24:Suppl:370-4, 1970 (Jap)
[Volume dose leucocyte reduction rate. On the effect of the chemical radioprotector (inosine and coenzyme B12) for radiation leucopenia] Asakawa H.
Nippon Acta Radiol 30:811-3, Dec 70 (Jap)
[Increased tolerance of the mucous membrane during irradiation of the oral cavity by use of depot padutin] Velkov K. God Zb Med Fak Skopje 16:385-9, 1970 (Ser)
[Radiation doses received by children with urinary tract infections] Fendel H, et al.
Ann Radiol (Paris) 12:245-50, 1969 (Mul)

RADIOGRAPHY

[Osseous radiation injuries after treatment of mammary and pelvic cancers] Swyngedauw J, et al.
J Radiol Electrol Med Nucl 51:609-16, Nov 70 (Fre)
[Radiation reactions in the lungs and pleura of patients with mammary carcinoma] Notter G, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:571-84, May 70 (Ger)
[The roentgenographic changes of lung following electron therapy for the breast cancer] Matsuda T, et al. Nippon Acta Radiol 30:1137-45, Mar 71 (Jap)
[Differential x-ray diagnosis of radiation reaction and recurrence of lymphogranulomatosis of the lungs] Peresiegin IA, et al.
Vestn Rentgenol Radiol 45:15-21, Jul-Aug 70 (Rus)

SURGERY

[Sinusonasal transposition of Stenon's duct in internal destruction of the nose] Gosserez M, et al.
Ann Chir Plast 15:333-5, 1970 (Fre)
[Endo-buccal resection of the mandible in osteoradionecrosis] Mounier-Kuhn P, et al.
J Fr Otorhinolaryngol 18:521-6, Oct 69 (Fre)
[Epaulette skin flap for post-radiotherapy necrosis of the subclavicular hollow (2 cases, 1 with osseous necrosis of the clavicle)] Mourgues G de, et al.
Lyon Chir 67:67-8, Jan-Feb 71 (Fre)
[Reconstruction of the eye lids] Eskeland G.
Nord Med 84:1466, 12 Nov 70 (Nor)

THERAPY

Intestinal injuries following irradiation for carcinoma of the uterine cervix and vesical carcinoma. Lindahl F.
Acta Chir Scand 136:725-30, 1970
Radiation casualties: emergency plans and medical care. Norwood WD.
Arch Environ Health 23:129-34, Aug 71
Treatment of delayed intractable hemorrhagic cystitis following radiation of chemotherapy. Lapides J.
J Urol 104:707-8, Nov 70
[Urologic management of injuries to the bladder after gynecologic radiotherapy] Lenz P, et al.
Z Urol Nephrol 63:411-6, Jun 70 (Ger)
[Guides for treatment of radiation injuries] Devik F.
Tidsskr Nor Laegeforen 91:660-4, 30 Mar 71 (Nor)

VETERINARY

Disseminated endometriosis in a Rhesus monkey (Macaca mulatta). Histogenesis and possible relationship to irradiation exposure 1,2. McClure HM, et al. J Med Assoc Ga 60:11-3, Jan 71
[Toxicology of products of a nuclear explosion (brief review of the literature)] Il'in VG.
Veterinariia 11:79-81, Nov 70 (Rus)

RADIATION INJURY, EXPERIMENTAL (C14)

Cleft palate and-or oligodactylia in the mouse embryo induced on different days of pregnancy by various doses of x-rays or cyclophosphamide. Gebhardt DO.
Acta Morphol Neerl Scand 8:240-1, Feb 71
Intestinal cell kinetics in irradiated mice. A quantitative investigation of the acute reaction to whole body roentgen irradiation. Devik F.
Acta Radiol [Ther] (Stockh) 10:129-49, Feb 71
Abscopal radiation damage to chick thymus and bursa of Fabricius. Montour JL.
Acta Radiol [Ther] (Stockh) 10:150-60, Feb 71
Radiation disease in hypo- and hyperthyreotic rats. Srebro Z, et al. Agressologie 11:343-56, 1970
Pathologic sequelae of acute cardiac irradiation in monkeys. Phillips SJ, et al.
Am Heart J 81:528-42, Apr 71
Radioactive estradiol accumulation in endometriosis of the rhesus monkey. Eisenfeld AJ, et al.
Am J Obstet Gynecol 109:124-30, 1 Jan 71
Radiation nephritis. II. Chronic changes after high doses of radiation. Madrazo A, et al.
Am J Pathol 61:37-56, Oct 70
Lung connective tissue measurements. I. Amino acid analysis procedures for determination of canine lung connective tissue. Pickrell JA, et al.
Arch Intern Med 127:891-5, May 71
Effects of prenatal x-irradiation on development and postnatal viability of inbred and hybrid mice. Nash DJ.
Biol Bull 140:230-41, Apr 71
Patterns of proliferation and differentiation of hematopoietic stem cells after compartment depletion. Chervenick PA, et al.
Blood 37:568-80, May 71
A difference between spleen-derived and bone marrow-derived colony-forming units in ability to protect lethally irradiated mice. Kretchmar AL, et al.
Blood 36:772-6, Dec 70
The effect of x-rays on the vascularization of the mouse testis. Kochar NK, et al. Fertil Steril 22:53-7, Jan 71
Relative radio-sensitivity of different cell-types in Hydra. Mitra J.
Gegenbaurs Morphol Jahrb 114:258-68, 1969
Studies on Friend virus-induced viremia in lethally irradiated mice with or without hematopoietic repopulation. Rossi GB, et al.
Int J Cancer 7:303-12, 15 Mar 71
Ocular effects of argon laser radiation. I. Retinal damage threshold studies. Bresnick GH, et al.
Invest Ophthalmol 9:901-10, Nov 70
The effect of uremic environment on renal concentrating and diluting mechanisms in a severely damaged nephron population. Morrin PA, et al.
Invest Urol 8:273-83, Nov 70
Irradiation-induced lesions in germfree rats. Pollard M, et al. J Natl Cancer Inst 47:229-34, Jul 71
Synaptopathology of irradiated nervous tissue. Estable-Puig F de, et al.
J Neuropathol Exp Neurol 30:126, Jan 71
Radiation damage to the surfactant system of the rabbit lung. Forsberg SA, et al.
Life Sci [II] 9:795-803, 22 Jul 70
Radioactive influence of powdered skim milk upon adult, newborn and fetal mice. Ono H.
Mie Med J 20:141-9, Sep 70
Experimental studies on the restoration for hematopoietic radiation injury. Mitomo Y, et al.
Nagoya Med J 16:155-64, Feb 71
The effect of ultraviolet light on developing eggs of Lymnaea stagnalis (Mollusca, Pulmonata). IV. The interference of irradiations with morphogenesis. Labordus V.
Proc K Ned Akad Wet [Biol Med] 73:477-93, 1970
Comparison of autologous marrow injection to shielding in lethal irradiation of the mouse. Carsten AL, et al. Proc Soc Exp Biol Med 137:948-51, Jul 71
Tritium: some effects of continuous exposure in utero on mammalian development. Cahill DF, et al.
Radiat Res 44:727-37, Dec 70
Miniature pig performance after fractionated supralethal doses of ionizing radiation. Chaput RL, et al. Radiat Res 44:807-20, Dec 70
Analysis of dose-rate dependence of radiation injury. Fang PH. Radiat Res 44:1-3, Oct 70
RBE and the primary mechanism of radiation action. Kellerer AM, et al. Radiat Res 47:15-34, Jul 71
Delayed bone marrow aplasia in rats protected against lethal irradiation by allogeneic marrow transplantation. Knospe WH, et al.
Radiat Res 47:199-212, Jul 71
Cardiopulmonary effects of upper-body x-irradiation in the dog. Michaelson SM, et al.
Radiat Res 47:168-81, Jul 71
Persistence of heritable changes in an irradiated rat population after cessation of the exposures. Newcombe HB, et al. Radiat Res 47:450-60, Aug 71
Recovery of sheep after whole-body irradiation: a comparison of changes in radiosensitivity after acute or protracted exposure. Page NP, et al.
Radiat Res 46:301-16, May 71
A reexamination of the mouse embryonic radiation cataract studies. Rugh R, et al.
Radiat Res 47:182-90, Jul 71
A quantitative analysis of bone marrow cell populations in irradiated and nonirradiated mice treated with 19S alpha-2 globulin (alpha-2-MG). Sontag JM, et al.
Radiat Res 45:499-510, Mar 71
A cytological study of bone marrow and peripheral blood of irradiated and nonirradiated mice treated with 19S alpha-2 globulin (alpha-2-MG). Sontag JM, et al. Radiat Res 45:511-21, Mar 71
A genetic effect on radiation sensitivity consistent with a single gene locus hypothesis. Spalding JF, et al.
Radiat Res 44:670-3, Dec 70
Acute lethality and recovery of goats after 1 MVp x-irradiation. Taylor JF, et al.
Radiat Res 45:110-26, Jan 71
Effects of ionizing radiation on natural and laboratory populations of Manitoba toads, Bufo hemiophrys. Tester JR, et al. Radiat Res 44:379-89, Nov 70
Recovery studies of x-irradiated Tribolium castaneum ("flour beetle") larvae. Yang TC, et al.
Radiat Res 46:290-300, May 71
Dose-related local and systemic effects of inhaled plutonium-238 and plutonium-239 dioxide in dogs. Yulle CL, et al. Radiat Res 44:821-34, Dec 70
Oxygen effect on the production of radiation-induced myelitis in rats. Asbell SO, et al.
Radiology 98:678-81, Mar 71
The effect of prednisolone on fatal postirradiation nephritis in rabbits. Caldwell WL.
Radiology 98:431-3, Feb 71
The relative biological effectiveness of fast neutrons for intestinal damage. Hornsey S.
Radiology 97:649-52, Dec 70
X-ray-induced teratogenesis in the mouse and its possible significance to man. Rugh R.
Radiology 99:433-43, May 71 (45 ref.)
Dose response in human and experimental radiation-induced heart disease. Application of the nominal standard dose (NSD) concept. Stewart JR, et al. Radiology 99:403-8, May 71
Effect of prophylactic administration of AET (amino-ethyl-isothiouronium-bromide-hydrobromide) on hematological changes in irradiated rats. Arient M, et al.
Strahlentherapie 139:619-25, May 70
Immediate reactions of isolated guinea pig and rat urinary bladder to x-irradiation. Michailov MC.
Strahlentherapie 139:330-5, Mar 70
[Influence of irradiation dosage on latency time in rabbit cataract. Determination of relative biological efficacy of 14 MeV neutrons] Haye C, et al.
Ann Ocul (Paris) 203:749-67, Aug 70 (Fre)
[Repair of radiolesions responsible for the formation of micronuclei and ana-telophase bridges in the rat liver] Barbason H.
Arch Biol (Liege) 81:51-60, 1970 (Fre)
[General effects of x-ray on the embryo of the green lizard (Lacerta viridis Laur)] Pieau C, et al.
C R Acad Sci [D] (Paris) 271:2023-6, 30 Nov 70 (Fre)
[Action of x-rays on limbs rudiments in green lizard (Lacerta viridis Laur.) embryos] Vasse J.
C R Acad Sci [D] (Paris) 271:2193-6, 9 Dec 70 (Fre)
[Variations in medullary lymphoid populations in mice irradiated with a sublethal dose and receiving a marrow graft 6 to 11 days later] Delrez M, et al.
C R Soc Biol (Paris) 164:2152-4, 1970 (Fre)
[Influence of polycythemia on hematopoietic regeneration in mice irradiated at a sublethal dose] Schmitz A, et al.
C R Soc Biol (Paris) 164:1862-5, 1970 (Fre)
[Metabolic and therapeutic study of respiratory contamination by various actinic solutions] Nefiot JC, et al. Health Phys 20:167-77, Feb 71 (Fre)
[In vitro irradiation of nervous tissue] Berger JP.
J Physiol (Paris) 62:189-218, May-Jun 70 (Fre)
[Experimental burns] Bourrinet P, et al.
Therapie 26:259-90, Mar-Apr 71 (245 ref.) (Fre)
[Chemical sensitation to radiation damage in rat embryos] Michel C.
Arch Julius Klaus Stift Vererbungsforsch 43:177-203, 1968 (Ger)
[Animal experimental studies on the pathogenesis of radiogenic bone injuries in the mandibles of adult rabbits. II. Histometric data] Grimm G.
Dtsch Zahn Mund Kieferheilkd 54:352-62, Jun 70 (Ger)
[Effects of ionizing irradiation on the periodontium in experimental rats] Krzywicki J, et al.
Dtsch Zahnaerztl Z 26:495-502, Apr 71 (Ger)
[Experimental and clinical studies of tissue damage in combination neck dissection and radiotherapy] Weiss P. Fortschr Kiefer Gesichtschir 13:177-84, 1968 (Ger)
[Radiotoxins and their part in pathogenesis of radiation sickness] Kocmierska-Grodzka D.
Radiobiol Radiother (Berl) 11:265-76, 1970 (Ger)
[Histological and histochemical observations on the adrenal gland of rats after local and whole body irradiation] Unger E.
Radiobiol Radiother (Berl) 11:737-48, 1970 (Ger)
[Experimental irradiation nephritis and treatment with prednisolone] Bargon G, et al.
Strahlentherapie 140:192-203, Aug 70 (Ger)
[Effect of directed deep x-ray irradiation of the liver on its detoxication ability using the pairing with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

glucuronic acid in the rabbit] Birzle H, et al. Strahlentherapie 139:347-53, Mar 70 (Ger)
[Reaction of proliferating cartilaginous tissue to 14.4 MeV electrons, 60 Co-gamma and 200 kV x-rays] Stender HS, et al.
Strahlentherapie 141:573-80, May 71 (Ger)
[The effect of gamma rays of cobalt-60 on the ischemic bladder wall. Animal experiment study] Hienzsch E, et al. Z Urol Nephrol 63:847-55, Nov 70 (Ger)
[Effects of lysozyme on mortality of an intestinal type caused by ionizing radiations] Bottino S.
Atti Accad Fisiocrit Siena [Med Fis] 17:1421-8, 1968 (Ita)
[On some experimental malformations of the tongue and mandible] Scapecchi G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:17-49, 1968 (Ita)
[Quick death after high-dosage irradiation with 60 MeV elect.rons] Sakka M, et al.
Nippon Acta Radiol 30:566-8, Sep 70 (Jap)
[Injury to Peyer's patches in internal and external irradiation] Ponomareva TV.
Arkh Anat Gistol Embriol 59:69-75, Sep 70 (Rus)
[Restoration of the cortex of autologous adrenal gland grafts following their roentgen irradiation in vitro and enucleation] Truupyl'd AIu.
Arkh Anat Gistol Embriol 59:51-8, 1970 (Rus)
[Growth and transformation of crystalline epithelium grafts following total irradiation of the donor with a sublethal dose] Dunaev PV, et al.
Biull Eksp Biol Med 71:91-4, Mar 71 (Rus)
[The capacity of a peripheral nerve to repair itself following prolonged fractional x-ray irradiation] Evslukov VI. Biull Eksp Biol Med 65:109-12, 1968 (Rus)
[The effect of uranium nitrate on the morphofunctional state of the thyroid gland in rabbits] Malenchenko AF, et al.
Biull Eksp Biol Med 71:36-8, Mar 71 (Rus)
[Development of the adrenal cortex in the offspring of whole-body-irradiated rabbits] Moldavskiĭ MI, et al.
Biull Eksp Biol Med 68:116-8, Oct 69 (Rus)
[Effect of cobalt and iron complex compounds on liver regeneration in irradiated animals] Nikolaev AI, et al.
Biull Eksp Biol Med 70:98-102, Aug 70 (Rus)
[The reaction of the enterochromaffin system of white rats and guinea pigs to irradiation] Pankratova GG, et al. Biull Eksp Biol Med 67:115-7, Jun 69 (Rus)
[Dynamics of bone marrow regeneration during local irradiation of mice and rats] Strelin GS, et al.
Biull Eksp Biol Med 70:85-8, Sep 70 (Rus)
[Prognostication of the outcome of irradiation in mammals] Graevskaia BM, et al.
Dokl Akad Nauk SSSR 189:655-8, Nov 69 (Rus)
[Effect of biologically active substances isolated from the liver of irradiated rats on DNA synthesis in HeLa cells] Kalendo GS; et al.
Dokl Akad Nauk SSSR 184:715-8, 21 Jan 69 (Rus)
[Effect of aqueous saline extracts of mouse tissues on previously irradiated hereditary structures] Kérkis Iuls, et al.
Dokl Akad Nauk SSSR 186:195-7, May-Jun 69 (Rus)
[Myoparalytic effect of succinylcholine chloride (listenone) during the 1st hours following whole body gamma-irradiation] Khmelevskiĭ IaM, et al.
Farmakol Toksikol 33:545-8, Sep-Oct 70 (Rus)
[The condition of the venous and lymphatic network under the influence of ionizing radiation] Khudafberdyev RI, et al.
Med Radiol (Mosk) 16:50-3, Mar 71 (Rus)
[Mathematical model of radiation injury for the application of experimental data in man] Zherbin EA, et al. Med Radiol (Mosk) 15:42-4, Dec 70 (Rus)
[Changes in rat testes under the effect of soft roentgen rays] Bondareva EN.
Radiobiologiia 9:697-700, Sep-Oct 69 (Rus)
[Evaluation of radiation injury to different portions of the rat gastrointestinal tract] Fedotova MI, et al.
Radiobiologiia 10:882-6, Nov-Dec 70 (Rus)
[Changes in the nucleotide composition of DNA of hematopoietic tissue in mice and monkeys after total body irradiation with gamma rays in doses with greatest leukemia-inducing effect] Grigorovich NA.
Radiobiologiia 9:682-5, Sep-Oct 69 (Rus)
[Dynamics of the changes in the residual injury in the gastrointestinal form of death in mice after gamma-irradiation] Kovalev VP.
Radiobiologiia 10:784-6, Sep-Oct 70 (Rus)
[Study of the recovery of critical systems in mammals determining various forms of radiation death] Kovalev VP, et al.
Radiobiologiia 11:195-200, Mar-Apr 71 (Rus)
[Radiation injury and reparation of intestinal tissue in early and late time periods after chronic exposure to radioactive substances] Lavrent'ev LN.
Radiobiologiia 10:612-4, Jul-Aug 70 (Rus)
[Characteristics of injury and recovery of irradiated lymph nodes after screening half of the body] Pozhariskaia TD.
Radiobiologiia 10:685-9, Sep-Oct 70 (Rus)
[Quantitative assessment of the effect of radiation on the homotransplantation activity of lymphoid cells] Seslavina LS. Radiobiologiia 9:715-9, Sep-Oct 69 (Rus)
[Degree of injury to the endothelium of large vessels in radiosensitive and radioresistant animals] Shcherbova EN, et al.
Radiobiologiia 10:548-51, Jul-Aug 70 (Rus)
[Level of reduced pyridine nucleotides in the liver mitochondria of irradiated rats] Smirnova TN, et al.
Radiobiologiia 9:751-4, Sep-Oct 69 (Rus)
[Protective effect of AET in irradiation of pregnant females by Roentgen rays] Stanzhevskaia TI.
Radiobiologiia 11:144-7, Jan-Feb 71 (Rus)
[Radiation damage to the protein component of myoglobin in irradiated animals] Sukhomlinov BF, et al. Radiobiologiia 11:37-41, Jan-Feb 71 (Rus)
[Chemical protection from damage by neutrons] Sverdlov AG, et al.
Radiobiologiia 9:706-10, Sep-Oct 69 (Rus)
[Study of the role of "biogenic stimulators" in the regulation of thrombocytopoiesis in irradiated animals] Traskunova NV.
Radiobiologiia 9:757-60, Sep-Oct 69 (Rus)
[Injury to intestinal nerve ganglia and its significance in the development of intestinal syndrome in mice after neutron irradiation] Ulitovskaia II, et al.
Radiobiologiia 10:536-40, Jul-Aug 70 (Rus)
[Effect of surgical treatment on the healing of an experimental infected wound of the cornea in radiation sickness] Paramef VT.
Vestn Oftalmol 1:68-70, Jan-Feb 70 (Rus)
[Metabolism of glucosaminoglycanes (acid mucopolysaccharides) in the lungs of rabbits with plutonium lesions] Tseveleva IA.
Vopr Med Khim 16:399-405, Jul-Aug 70 (Rus)
[Significance of the "adrenaline test" for estimating individual sensitiveness of animals to radiation] Madievskiĭ IuM, et al.
Fiziol Zh 16:96-102, Jan-Feb 70 (Ukr)

BLOOD

Acute radiation injury in neonatally thymectomized germ-free mice. Hematopoietic and morphologic consequences. Doughty WE, et al.
Arch Pathol 91:119-26, Feb 71
Acute-phase reactants and lysosomal enzymes in the blood of rats with experimental inflammation or radiation injury. Koj A.
Folia Biol (Krakow) 18:275-86, 1970
Effect of bis(-3-hydroxypropyl) trisulfide on the peripheral blood of rats irradiated with high doses of x-rays. Zebro T, et al. Pol Med J 10:517-25, 1971
Stem cell stimulatory properties in vitro of an agar colony-stimulating. Rickard KA, et al.
Proc Soc Exp Biol Med 136:608-11, Feb 71
Haptoglobin and irradiation in mice. Burger M, et al.
Radiat Res 46:613-20, Jun 71
[Mechanism of change of the adhesivity and aggregation of blood platelets in acute radiation sickness] Baluda VP, et al.
Biull Eksp Biol Med 68:35-9, Oct 69 (Rus)
[The effect of exogenous serotonin on blood platelet aggregation and various blood coagulation indices in experimental acute radiation sickness] Dorofeev VM, et al. Biull Eksp Biol Med 69:21-3, Jun 70 (Rus)
[The nature of Kurloff's bodies] Gol'dberg ED, et al.
Biull Eksp Biol Med 65:100-3, 1968 (Rus)
[Effect of leukocyte factors of intact and x-irradiated animals on leukocyte migration] Koroleva LV, et al.
Biull Eksp Biol Med 70:31-3, Dec 70 (Rus)
[Change in the binding capacity of the corticosteroid-binding blood plasma globulin in acute radiation sickness] Moroz BB, et al.
Biull Eksp Biol Med 67:28-30, 1969 (Rus)
[Blood coagulation properties of Kupffer's cells] Zubairov DM, et al.
Biull Eksp Biol Med 70:24-6, Dec 70 (Rus)
[Effect of ionizing radiation on the speed of reticulocyte aging in mammals] Samardakova AG, et al. Dokl Akad Nauk SSSR 184:719-22, 21 Jan 69 (Rus)
[Change in the blood kinin system in acute radiation injury] Gaponiuk PIa, et al.
Radiobiologiia 10:681-4, Sep-Oct 70 (Rus)
[Distribution of electrolytes and water in the blood and plasma after irradiation] Sokolova VI, et al.
Vrach Delo 3:122-4, Mar 71 (Rus)

COMPLICATIONS

Models in comparative teratogenesis. Degenhardt KH, et al. Arch Biol (Liege) 80:257-98, 1969
Increased activity of skin surface DNase I after beta-irradiation injury or clipping of guinea pig hair. Tabachnick J, et al. J Invest Dermatol 55:89-93, Aug 70
Anaemia in bursectomized irradiated chickens. Alm GV, et al. Nature (Lond) 229:201-2, 15 Jan 71
Allogenic bone marrow transplantation in irradiated baboons and monkeys. Chertkov JL, et al.
Radiat Res 46:144-64, Apr 71
Radiation-induced cataracts in genetically differentiated mice. Stadler J, et al.
Radiat Res 45:176-81, Jan 71
A comparison of the effects of ellagic acid with the effects of other haemostatical compounds upon the post-traumatic haemorrhage in whole-body-irradiated rats. Klír P, et al. Strahlentherapie 141:712-4, Jun 71
[Cardiovascular changes in experimental radiation disease. Study of the literature of the period 1965-1969] Kuna P. Cas Lek Cesk 110:486-91, 1971 (Cze)
[Microangiographic study of vascular radiolesions of mouse skin] Minet P.
J Belge Radiol 53:379-85, Sep-Oct 70 (Fre)
[Etiology of retinal degeneration in rats during toxicity experiments] Stötzer H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:460-1, 1970 (Ger)
[Examinations on combined injuries. Bacteriologic examination in mice, that had whole body irradiation in combination with open skin wounds] Messerschmidt O, et al.
Strahlentherapie 139:594-602, May 70 (Ger)
[Studies on combination injuries. Disorders of antibody formation in mice following burns and whole-body irradiation] Messerschmidt O, et al.
Strahlentherapie 139:354-61, Mar 70 (Ger)
[Increased sensitivity of white mice to smallpox virus following whole-body x-irradiation] Marennikova SS, et al. Biull Eksp Biol Med 70:102-5, Aug 70 (Rus)
[The effect of coamide on the structure of the nerve elements in the skin and muscles of irradiated animals] Seifullin FKh.
Biull Eksp Biol Med 68:113-6, Aug 69 (Rus)
[Some methods of accelerating the healing of fractures in rabbits subjected to chronic gamma-irradiation by Co60] Khaitov RM.
Eksp Khir Anesteziol 15:46-9, Nov-Dec 70 (Rus)
[Effect of sun overheating on the cardiovascular system in experimental radiation injury] Mustafin KS. Sov Zdravookhr Kirg 3:10-3, May-Jun 70 (Rus)
[Respiratory center changes in rabbits with acute radiation sickness complicated by blood loss] Mallian ES. Zh Eksp Klin Med 7:17-22, 1967 (Rus)

DIAGNOSIS

[Early diagnosis of acute radiation sickness in sheep] Kartashov PA. Veterinariia 8:82-4, Aug 70 (Rus)
[Fluorescent analysis of blood in early diagnosis of radiation sickness] Kruglov VT.
Veterinariia 10:116, Oct 70 (Rus)

DRUG THERAPY

Cutaneous thermometry for topical therapy evaluation of U. V. erythema in the guinea-pig. Lambelin G, et al.
Arzneim Forsch 21:44-7, Jan 71
Therapeutic effect of tetrahydrofolic acid in midlethally x-irradiated mice. Okazaki M, et al.
Chem Pharm Bull (Tokyo) 19:1173-7, Jun 71
Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x-radiation. Maisin JR, et al.
Int J Radiat Biol 19:297-9, 1971
Structure-function studies of the aminothiol radioprotectants. Effect of carbon chain length in mercaptoethylamine homologs--mammalian radioprotection. Grenan MM, et al.
Radiat Res 47:387-91, Aug 71
Chemical protection of the mouse against radiation-induced life shortening. Storer JB.
Radiat Res 47:537-47, Aug 71
The radioprotective and therapeutic effects of imidazole and erythropoietin on the erythropoiesis and survival of irradiated mice. Vittorio PV, et al.
Radiat Res 47:191-8, Jul 71
Biological factors affecting the radioprotective efficiency of S-2-[3-aminopropylamino]ethylphosphorothioic acid (WR-2721): LD 50(7) doses. Yuhas JM.
Radiat Res 47:526-9, Aug 71
[Experimental contaminations with americium solutions and their treatment] Nénot JC, et al.
Hexith Phys 20:383-91, Apr 71 (Fre)
[On the effect of kallikrein on irradiated skin of large white pigs] Goffin JC, et al.
J Belge Radiol 53:300-10, Jul-Aug 70 (Fre)
[Histological changes in guinea pig lungs following inhalation of irritating gas and radiation and their treatment with 0-(-hydroxyethyl)-rutoside] Otte W, et al. Arzneim Forsch 21:905-14, Jul 71 (Ger)
[Controlled change in the physiologic state of cell membranes as one of the principles of influence on the course of a pathologic process] Chernukh AM, et al. Biull Eksp Biol Med 63:60-4, Nov 67 (Rus)
[Possible existence of an antiradioprotective effect of catecholamines] Kulinskiĭ VI.
Biull Eksp Biol Med 71:31-4, Jan 71 (Rus)
[Depression of endogenous radiation-sensitizing agents--lipid toxic substances--as one of the mechanisms of radiation protection] Kudriashov IuB, et al. Dokl Akad Nauk SSSR 195:206-8, 1970 (Rus)
[Prussian blue as a preventive measure in chronic intake of Cs137 and Sr90 in the diet] Danetskaia EV, et al. Gig Sanit 35:36-40, Dec 70 (Rus)
[Effect of insulin and dianabol regulation of corticism and glycemia on several hematologic indices in acute radiation injury] Barkalaia AI.
Radiobiologiia 10:603-5, Jul-Aug 70 (Rus)
[Pyrimidine nucleotide blocks of DNA in the effect of ionizing radiation on the animal organism] Kritskiĭ GA, et al. Radiobiologiia 9:675-81, Sep-Oct 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Differences in the efects of radiation-protective sympathomimetics on oxygen tension in the spleen] Kulinskif VI.
Radiobiologiia 10:910-3, Nov-Dec 70 (Rus)

[Repairing radiation damage to bone marrow cell chromosomes by administration of high-polymer homologous DNA] Muksinova KN, et al.
Radiobiologiia 11:69-73, Jan-Feb 71 (Rus)

[Relationship between the therapeutic effect and dosage of heterologous DNA in acute radiation sickness in the dog] Rogacheva SA, et al.
Radiobiologiia 11:106-13, Jan-Feb 71 (Rus)

[An analysis of the mechanisms of aminazine action on the higher divisions of the CNS using an experimental model of cerebral pathology] Afrapetiants MG, et al.
Zh Vyssh Nerv Deiat 21:169-75, Jan-Feb 71 (Rus)

[Effect of RNA on the content and restoration of ATF in liver in radiation injury] Sopin EF, et al.
Ukr Biokhim Zh 42:31-4, 1970 (Ukr)

EMBRYOLOGY

[DNA synthesis and mitotic index in the embronal heart anlage after single whole body roentgen irradiation of the rat] Wegner G.
Z Gesamte Exp Med 152:236-43, 1970 (Ger)

ENZYMOLOGY

A histochemical study of liver enzymes involved in glycogen metabolism in the x-irradiated rat. Catravas GN, et al. Histochemie 25:247-55, 1971

[Beta-glucuronidase activity in various organs of irradiated rats] Covi A, et al.
Minerva Med 61:4181-4, 28 Sep 70 (Ita)

[Biochemical indices of blood serum and myocardium in local irradiation in the region of the heart in the rabbit with hard deceleration in radiation] Mikhaleva NP, et al. Biull Eksp Biol Med 68:55-7, Sep 69 (Rus)

[Animal spinal cord cholinesterase activity following x-ray irradiation] Snisar' IA, et al.
Biull Eksp Biol Med 69:47-9, Jun 70 (Rus)

[Cytochrome oxidase activity in the epithelium of villi of the jejunum in mice in radiation sickness and during the radioprotective action of cyanide] Strelina AV. Biull Eksp Biol Med 69:33-6, Mar 70 (Rus)

[Phosphorylation enzyme and thymidylic acid content of bone marrow in irradiated rabbits] Elkina NI, et al.
Radiobiologiia 11:22-7, Jan-Feb 71 (Rus)

[Effect of radiation and radiation-protective agents on the alkaline phosphatase activity in the small intestine mucosa and surface] Gavrilov RI, et al.
Radiobiologiia 10:903-6, Nov-Dec 70 (Rus)

[Determination of the activity of the methionine-methyl-activating enzyme in vivo in the liver of the rat x-irradiated with a lethal dose] Voskobofnikov GV.
Radiobiologiia 10:743-5, Sep-Oct 70 (Rus)

[Effect of the radioprotector cystamine on the activity of monoamine oxidase and catechol-O-methyltransferase] Kulinskif VI, et al.
Vopr Med Khim 17:148-52, Mar-Apr 71 (Rus)

[Cholinesterase activity in spinal cord in radiation sickness] Snisar' IA, et al.
Ukr Biokhim Zh 42:469-71, 1970 (Ukr)

ETIOLOGY

[The role of lysosomes in the processes of carcinogenesis and radiation destruction of cells] Danilov VS, et al.
Dokl Akad Nauk SSSR 190:1474-5, Feb 70 (Rus)

IMMUNOLOGY

Serum concentrations of three immunoglobulin classes in pigs after exposure to a -ray dose of 1600 rads. Bazin H, et al. Int J Radiat Biol 20:93-5, 1971

The contrasting effects of cyclophosphamide and radiation on the immune responses of the mouse. Aisenberg AC, et al. J Exp Med 133:877-84, 1 Apr 71

Radiation exposure-rate dependence of the immune response in mice. Carlson DE, et al.
Radiology 97:433-8, Nov 70

The central lymphoid tissues of rabbits. II. Functional and morphologic studies in adult animals. McKneally MF, et al. Surgery 69:345-53, Mar 71

[Increased resistance of axenic mice to immunodepression induced by whole-body irradiation] Higounet F, et al.
Experientia 26:1254-5, 15 Nov 70 (Fre)

[Inhibition of the function of hematopoietic tissue stem cells by phytohemagglutinin and antilymphocyte serum] Golovanova TA, et al.
Biull Eksp Biol Med 70:86-9, Nov 70 (Rus)

[Dynamics of changes in the serum complement titer of once and twice-irradiated animals] Ivanov AA.
Biull Eksp Biol Med 67:37-9, Jun 69 (Rus)

[Possibility of inducing active immunity by enteral vaccination of the irradiated organism] Nikolaeva LA.
Biull Eksp Biol Med 68:78-81, Sep 69 (Rus)

[Some indices of natural immunity in dogs during irradiation with irregular distribution of tissue doses] Savchenko NIa.
Izv Akad Nauk SSSR [Biol] 2:296-8, Mar-Apr 71 (Rus)

[Anti-tissue antibodies in radiation injury] Alekseeva OG. Radiobiologiia 10:753-5, Sep-Oct 70 (Rus)

[Method for determination of smallpox vaccine immunogenicity in white mice] Chimishkian KL, et al.
Vopr Virusol 15:244-6, Mar-Apr 70 (Rus)

[Enteric vaccination of irradiated mice with heated typhoid vaccine] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:28-31, Jun 70 (Rus)

METABOLISM

Effects of irradiation or traumatic injuries on propionate metabolism in rats. Henderson TR, et al.
Clin Chem 17:810-7, Aug 71

Decrease in pethidine demethylating activity of isolated rat liver microsomes following whole body x-irradiation. Kvasničková E, et al.
Experientia 27:130-1, 15 Feb 71

Protracted hepatic, splenic and renal retention of 239 Pu in the beagle. Stover BJ, et al.
Health Phys 20:369-74, Apr 71

Incorporation of plutonium-239 into the hair. Jaworowski Z, et al. Int J Radiat Biol 20:79-83, 1971

Radioresistance in hamsters during hypothermic depressed metabolism induced with helium and low temperatures. Musacchia XJ, et al.
Radiat Res 46:353-61, May 71

Effects of radiation on zinc metabolism of sheep. Sasser LB, et al. Radiat Res 46:115-28, Apr 71

Effects of simulated fallout radiation on iron kinetics, red cell mass, and plasma copper in sheep. Wade L Jr, et al. Radiat Res 46:89-98, Apr 71

[Total body irradiation and metabolism of serum albumin] Cler A, et al.
C R Soc Biol (Paris) 164:1723-5, 1970 (Fre)

[Disorders of electrolyte metabolism in the course of the intestinal radiosyndrome] Bouckaert A.
J Belge Radiol 51:89-102, 1968 (38 ref.) (Fre)

[Hepatic bilirubin uptake and excretion in rabbits prior to and following Cs-gamma irradiation] Schmidt M, et al. Int J Radiat Biol 18:595-8, 1970 (Ger)

[Studies on calcium metabolism of bones following local irradiation. XI. Sex-dependent changes of the common reaction to the type and intensity of injuries] Babický A, et al.
Strahlentherapie 141:699-704, Jun 71 (Ger)

[Combination injuries. Comparative electrolyte studies in rats, stressed by whole body irradiation and skin wounds] Messerschmidt O, et al.
Strahlentherapie 141:705-11, Jun 71 (Ger)

[Histochemical studies of the behavior of some chemical compounds of rabbit cornea in the course of radiation injury] Berger J.
Klin Oczna 41:11-7, 1971 (Pol)

[Separation on phosphate cellulose of the degradation products of deoxyribonucleoproteins formed after irradiation and enzyme action in vitro] Ermolaeva NV, et al. Biokhimiia 35:641-7, Jul-Aug 70 (Rus)

[Changes in juxtamural digestion in various regions of the small intestine of rats following general x-irradiation] Bulbuk GA.
Biull Eksp Biol Med 66:42-4, 1968 (Rus)

[Effect of irradiation on the urinary excretion of desoxycytidine and beta-aminoisobutyric acid in monkeys] Fedorova TA, et al.
Biull Eksp Biol Med 71:34-7, Jan 71 (Rus)

[Specificity of nucleosiduria in the irradiated organism] Fedorova TA, et al.
Biull Eksp Biol Med 70:42-4, Oct 70 (Rus)

[Deoxynucleoside metabolism in the irradiated organism and the role of hormonal factors in changing their levels in the tissues and urine] Fedorova TA, et al. Biull Eksp Biol Med 66:61-4, 1968 (Rus)

[Protein composition of rat blood serum during inflammation at late periods after irradiation] Klimovich VB. Biull Eksp Biol Med 67:30-3, 1969 (Rus)

[Effect of UHF electromagnetic field on rats during changes in the intensity of oxidative processes in the organism] Koldaev VM.
Biull Eksp Biol Med 70:69-70, Nov 70 (Rus)

[Effect of whole body x-irradiation on the synthesis of bile acids in female albino rats (chromatographic study)] Skakun NP, et al.
Biull Eksp Biol Med 70:40-1, Sep 70 (Rus)

[Role of radiosensitive tissues in the mechanism of postradiation gluconeogenesis] Kendysh IN, et al.
Dokl Akad Nauk SSSR 195:1242-4, 1970 (Rus)

[Change in the reactive ability of tissue sulfhydryl groups following total or partial irradiation of animals] Speranskaia TA.
Dokl Akad Nauk SSSR 188:223-6, Sep-Oct 69 (Rus)

[Control of RNA biosynthesis in the liver of irradiated animals] Todorov IN, et al.
Dokl Akad Nauk SSSR 186:219-21, May-Jun 69 (Rus)

[Effect of x-irradiation on the formation and excretion of some gaseous metabolic products in white rats] Kolosova TS, et al.
Izv Akad Nauk SSSR [Biol] 4:613-7, Jul-Aug 70 (Rus)

[Cytofluorometric study of nuclear DNA in the lymphocytes of x-irradiated rats] Manteifel' VM.
Izv Akad Nauk SSSR [Biol] 1:38-47, Jan-Feb 71 (Rus)

[Neutron-activation autoradiography of the thyroid gland in experimental radiation injury] Tkachev AV.
Med Radiol (Mosk) 15:46-9, Nov 70 (Rus)

[Disturbances of deamination of some nitrogen compounds in the liver in radiation injury] Akopian Zhi, et al. Radiobiologiia 10:826-31, Nov-Dec 70 (Rus)

[Effect of riboflavin on energy metabolism during irradiation] Alferov AN.
Radiobiologiia 10:832-5, Nov-Dec 70 (Rus)

[Effect of histones on some energy processes in liver mitochondria of totally irradiated animals] Dovgiĭ IE, et al. Radiobiologiia 10:836-9, Nov-Dec 70 (Rus)

[Comparative evaluation of some methods for determining changes in DNA in anirradiated organism] Kritskiĭ GA, et al.
Radiobiologiia 10:803-7, Nov-Dec 70 (Rus)

[Presence of radiotoxins in the milk of cows with chronic radiation sickness] Sypin VD, et al.
Radiobiologiia 11:230-4, Mar-Apr 71 (Rus)

[Study of radiotoxins during the chronic administration of strontium-90] Vatulina GG.
Radiobiologiia 10:840-3, Nov-Dec 70 (Rus)

[Beta-lipoprotein metabolism in some organs of irradiated rats] Vinogradova MF.
Vestn Leningr Univ [Biol] 3:89-98, Aug 69 (Rus)

[ATP concentration and the intensity of its resynthesis (according to P32 studies) in several tissues of irradiated ats] Voskoboinikov GV.
Vopr Med Khim 16:343-8, Jul-Aug 70 (Rus)

[Causes of changes in the amount of glycogen in liver tissue in irradiated animas] Movsesian MA, et al.
Zh Eksp Klin Med 7:3-8, 1967 (Rus)

[Effect of sublethal and lethal doses of irradiation on the extracellular and intracellular distribution of water in some tissues in rats] Shamraĭ EF, et al.
Ukr Biokhim Zh 42:494-8, 1970 (Ukr)

[Effect of some B-complex vitamins on the metabolism in radiation injury] Sopin EF, et al.
Ukr Biokhim Zh 42:289-93, 1970 (31 ref.) (Ukr)

[Study of spleen and liver polysomes of non-immunized and immunized rats with acute radiation injury] Vasil'chenko VN, et al.
Ukr Biokhim Zh 42:499-507, 1970 (Ukr)

MORTALITY

Combined surgical and radiation injury. IV. Effect of antimicrobials on the wound healing pattern of the x-irradiated rat. Donati RM.
Arch Surg 102:132-5, Feb 71

Prolongation of survival in lethally irradiated dogs by pancreatic duct ligation. Morgenstern L, et al.
Arch Surg 101:586-9, Nov 70

Three to five day lethality in sheep following exposure to 60Co-gamma radiation. Alter WA 3d, et al.
Health Phys 20:343-5, Mar 71

Radiation LD 50 (30) of Richardson ground squirrels. Markham OD, et al. Health Phys 18:731-2, Jun 70

Mortality and body-weight changes in the Mongolian gerbil after cobalt-60 gamma irradiation. Jacobson AP, et al. Int J Radiat Biol 19:247-53, 1971

Effect of dietary selenium on the survival of rats exposed to chronic whole body irradiation. Hurt HD, et al. J Nutr 101:363-6, Mar 71

The dynamics of life. I. Death from internal irradiation by 239Pu and 226Ra; aging, cancer, and other diseases. Stover BJ, et al.
Proc Natl Acad Sci USA 66:132-9, May 70

Survival time and dose-response following supralethal irradiation of dogs. Block PC, et al.
Radiat Res 45:384-98, Feb 71

Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: age response and animal lethality. Hagemann RF, et al.
Radiat Res 47:159-67, Jul 71

Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations. Levich C, et al. Radiat Res 44:108-15, Oct 70

Effects of the germfree state on the response of mice exposed to neutron-gamma radiation. McLaughlin MM, et al. Radiat Res 46:519-32, Jun 71

Recovery from radiation injury with and without bone marrow transplantation: effects of splenectomy. Smith LH, et al. Radiat Res 44:248-61, Oct 70

Five-year follow-up of primates exposed to 55 MeV protons. Traynor JE, et al. Radiat Res 47:143-8, Jul 71

[Effects of X and gamma radiations on the resistance and longevity of orphan workers of the ant Dolichoderus quadripuncatus] Torossian MC.
C R Acad Sci [D] (Paris) 271:987-90, 21 Sep 70 (Fre)

[Effect of seasonal changes on the daily periodicity of radiosensitivity in mice] Kuznecova SS.
Radiobiol Radiother (Berl) 11:611-9, 1970 (Ger)

[DL 50-30 in a strain of inbred rats subjected to total-body irradiation] Montecucchi P, et al.
Minerva Med 61:4185-90, 28 Sep 70 (Ita)

[Acute death of mice during massive Gamma irradiation. 3] Takeshita K, et al.
Nippon Acta Radiol 31:133-42, 1971 (Jap)

[Toxicity and radiation-protective properties of dextran derivatives containing serotonin] Chernov GA, et al.
Farmakol Toksikol 34:328-30, May-Jun 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PATHOLOGY

Radiation nephritis. II. Chronic changes after high doses of radiation. Madrazo A, et al.
Am J Pathol 61:37-56, Oct 70

Effect of radiation on the reproductive system in the Indian catfish, Heteropneustes fossilis Bloch. 3. Testicular changes following treatment with estrogen and irradiation. Srivastava PN, et al.
Arch Biol (Liege) 80:337-45, 1969

Fine structure of alveolar areas in the lung following inhalation of 239PuO2 particles. Sanders CL, et al.
Arch Environ Health 22:525-33, May 71

Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al.
Endokrinologie 58:37-54, 1971

Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al.
Endokrinologie 58:37-54, 1971

Differential neuronal radiosensitivity as a tool for the study of short connections. Estable-Puig RF de, et al.
Experientia 26:1250-1, 15 Nov 70

Pathogenesis of radiation-induced retinal dysplasia. Shively JN, et al. Invest Ophthalmol 9:888-900, Nov 70

Repair of digestive tubule tissue of the pacific oyster, Crassostrea gigas, damaged by ionizing radiation. Mix MC, et al. J Invertebr Pathol 17:172-7, Mar 71

Role of gastric acid in aspirin-induced erosive gastritis. Gottschalk A, et al.
Proc Soc Exp Biol Med 135:384-8, Nov 70

Cell pyknosis in the cerebellar cortex of infant rats following low-level x-irradiation. Altman J, et al.
Radiat Res 46:476-89, Jun 71

The response of the skin of swine to increasing absorbed doses of the 10B(n, alpha)7Li reaction: histologic and cytologic changes. Archambeau JO.
Radiat Res 45:137-44, Jan 71

The response of the skin of swine to increasing absorbed doses of radiation from a thermal neutron beam, a degraded fission neutron beam, and the 10B(n, alpha)7Li reaction. Archambeau JO, et al.
Radiat Res 45:145-65, Jan 71

Effects of gamma radiation on the larval midgut of the Indian-meal moth, Plodia interpunctella (Lepidoptera: Phycitidae). Ashraf M, et al.
Radiat Res 45:349-54, Feb 71

Clinical and gross pathological findings in swine relative to late effects of mixed gamma-neutron and X-irradiation. Brown DG, et al.
Radiat Res 44:498-511, Nov 70

Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: single x-ray exposures. Hagemann RF, et al.
Radiat Res 46:533-46, Jun 71

Effect of neutron-gamma radiation on the morphology of the mucosa of the small intestine of germfree and conventional mice. Jervis HR, et al.
Radiat Res 45:613-28, Mar 71

Radiation studies on mice of a naturally tumor-resistant strain (X-Gf). Nucleolar morphology of thymic lymphocytes differing in radiosensitivity. Potmesil M, et al. Radiat Res 46:394-408, May 71

Morphological changes in cellular organelles of x-irradiated bacteria-free grasshopper diapause embryos. Tahmisian TN, et al.
Radiat Res 46:165-85, Apr 71

Qualitative and quantitative studies on the effect of internal co-60 irradiation on the testes of black and white mice. Srivastava PN, et al.
Strahlentherapie 139:323-9, Mar 70

[Changes in cell populations of hematopoietic marrow after 2 successive irradiations at 500 R] Haot J, et al.
C R Soc Biol (Paris) 164:1859-62, 1970 (Fre)

[Pathomorphology of whole-body irradiated Vietnamese slack-bellied swine] Schäfer R, et al.
Arch Exp Veterinaermed 24:1301-23, 1970 (Ger)

[Behavior of acridine-orange (A-O) fluorochrome in cellular elements exposed to ionizing radiations. I. Research in vitro] Di Maggio C, et al.
Minerva Med 61:4032-40, 19 Sep 70 (Ita)

[Effect of ATP on the development of post-irradiation changes in the rat liver] Zyss R, et al.
Patol Pol 22:305-21, Apr-Jun 71 (Pol)

[Changes in coronary vessels of rabbits after a single local dose of irradiation in the heart area] Iakovleva LA, et al.
Arkh Anat Gistol Embriol 58:86-9, Jun 70 (Rus)

[Formation of fibroblast colonies in monolayer cultures of the spleen of irradiated and normal mice] Fridenshtein AIa, et al.
Biull Eksp Biol Med 71:74-8, Jan 71 (Rus)

[Phenomenon of inversion of intermediate cell differentiation in the adenohypophysis] Voĭtkevich AA, et al. Biull Eksp Biol Med 70:86-9, Aug 70 (Rus)

[The mechanism regulating the neuronal composition of the cerebellar cortex] Antonova AM.
Dokl Akad Nauk SSSR 191:716-9, 1970 (Rus)

[Radiation effects and regeneration processes in thymus and lymph node lymphoid tissue of rats after incorporation of cerium-144] Khussar IuP, et al.
Dokl Akad Nauk SSSR 195:1368-71, 21 Apr 69 (Rus)

[Adenohypophyseal lobes following acute radiation injury] Voĭtkevich AA, et al.
Izv Akad Nauk SSSR [Biol] 1:56-9, Jan-Feb 71 (Rus)

[Changes in the ultrastructure of the dog myocardium at different times following general gamma-irradiation] Mitiushin VM, et al.
Kardiologiia 10:95-9, Jun 70 (Rus)

[Morphological changes in the lungs in relation to the dose distribution] Kitaev EM.
Med Radiol (Mosk) 15:13-8, Sep 70 (Rus)

[Electron microscopic study of the development of radiation injury and restoration of ultrastructure in the sympathetic nervous system neuron] Ferents AI.
Radiobiologiia 11:147-51, Jan-Feb 71 (Rus)

[Early pathomorphological changes in animal brains with whole-body irradiation by high-energy protons and fast neutrons] Gaĭdamakin NA.
Radiobiologiia 10:892-4, Nov-Dec 70 (Rus)

[Use of an electronic particle counter for studying the cell populations of bone marrow following irradiation] Khao Iu, et al.
Radiobiologiia 10:874-7, Nov-Dec 70 (Rus)

[Characteristics of th action of fast neutrons on the nervous system] Panov AG, et al.
Zh Nevropatol Psikhiatr 70:1601-5, 1970 (Rus)

[Effect of total irradiation on microscopic and submicroscopic structures of the stomach] Tkacheno Zia.
Fiziol Zh 14:805-11, Nov-Dec 68 (Ukr)

PHYSIOPATHOLOGY

The effect of preirradiation of recipient mice on the proliferation of transplanted hemopoietic stem cells. Shadduck RK, et al. Blood 37:330-9, Mar 71

X-irradiation and thyroid activity in a teleost, Mystus vittatus (Bloch). Singh TP.
Experientia 26:1261-2, 15 Nov 70

Short-term effects of acute sublethal gamma radiation on populations of the old-field mouse, Peromyscus polionotus. Sealander JA.
Health Phys 19:299-306, Aug 70

Late functional and circulatory changes in rats after local irradiation. Keyeux A, et al.
Int J Radiat Biol 20:7-25, 1971

Effect of whole-body x-irradiation on pulmonary bactericidal function. Hahn FF, et al.
Radiat Res 47:461-71, Aug 71

Factors influencing clasmatosis in vivo: observations of periodicity of clasmatosis in lymphocytes and hematopoietic recovery after irradiation. Kabakov YN. Radiat Res 47:491-9, Aug 71

The role of microenvironmental factors in hematologic response of mice exposed to 1000 R "split-dose" irradiation and testosteron treatment. Hajdukovic S.
Strahlentherapie 141:464-71, Apr 71

[Increase in the power of regeneration in planarians from lethal dose irradiation by stimulation of the cell type I system] Chandebois R.
C R Acad Sci [D] (Paris) 272:1417-9, 8 Mar 71 (Fre)

[Morphological changes in the small intestine of rats after total-body irradiation in various osmotically induced conditions of resorption and secretion (electron microscope studies)] Herzer R, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:101-12, Jul 70 (Ger)

[Radiation effects and the adrenal cortex. VI. Polyphasic increase of corticosteroids in rats after whole body irradiation] Geierhaas B, et al.
Radiobiol Radiother (Berl) 11:215-9, 1970 (Ger)

[Some questions on the effect of ionizing radiation on the endocrine system and its part in radiation syndrome] Grodzenskiĭ DE.
Radiobiol Radiother (Berl) 11:207-13, 1970 (Ger)

[Effect of screening a section of the bone marrow on hematopoiesis and survival of animals subjected to surgery and irradiation] Stankevich NV, et al.
Biull Eksp Biol Med 72:110-4, Jul 71 (Rus)

[Regenerating gastric muscle tissue under various experimental conditions] Verzhbitskaia NI.
Biull Eksp Biol Med 65:99-102, May 68 (Rus)

[Efferent sympathetic activity discharging from a mixed nerve of a frog in the immediate postradiation period] Chepurnova NK, et al.
Dokl Akad Nauk SSSR 185:236-9, Mar-Apr 69 (Rus)

[Effect of whole-body gamma-irradiation on some functions of the rat skeletal musculature receptors] Kudriavtsev VD, et al.
Izv Akad Nauk SSSR [Biol] 4:611-3, Jul-Aug 70 (Rus)

[Effect of ethaperazine on interoceptive reflexes beforeand afterirradiation of animals] Lapshin NA.
Radiobiologiia 10:920-2, Nov-Dec 70 (Rus)

[A study of bioelectric activity in mesenteric nerves of the cat in whole-body and local roentgen irradiation] Maforova NF. Radiobiologiia 9:764-6, Sep-Oct 69 (Rus)

[Reaction of the pituitary-adrenal system of dogs to short-term and prolonged irradiation] Shapiro GA, et al. Radiobiologiia 10:923-5, Nov-Dec 70 (Rus)

[Prolonged action of succinylcholine at the height of acute radiation sickness] Kudriavtsev VD, et al.
Vestn Akad Med Nauk SSSR 25:84-90, 1970 (Rus)

[Primary potentials in animals irradiated in the antenatal period] Ivanitskiĭ AM.
Zh Vyssh Nerv Deiat 16:117-24, Jan-Feb 66 (Rus)

PREVENTION & CONTROL

Utilization of a Trypanosoma equiperdum test in studies on the radioprotective action of endotoxin. Fóris G, et al. Acta Vet Acad Sci Hung 21:31-9, 1971

Survival of irradiated mice pretreated by dehydroepiandrosterone. Sonka J, et al.
Agressologie 11:421-6, 1970

Apparent association of activity of anti-inflammatory drugs in a sulfhydryl exchange reaction in vitro and in the guinea pig erythema assay. Swingle KF, et al.
Biochem Pharmacol 19:2995-9, Dec 70

On the state of the progeny of lethally irradiated animals treated with prophylactic and therapeutic drugs. Dimitrov L, et al.
Dokl Bolg Akad Nauk 22:839-42, 1969

The effect of ionizing radiation on haemolytic plaques-forming spleen cells upon using certain chemical radioprotectors. Soumerska T.
Dokl Bolg Akad Nauk 22:105-8, 1969

Radioprotective effect of reticuloendothelial system blockade in mice. Mori KJ, et al.
Experientia 26:1386-7, 15 Dec 70

A contribution to the study of recovery processes in the haemopoietic tissue after irradiation: effect of intraperitoneal injection of milk upon haemopoietic stem cells, blood picture and survival of irradiated mice. Juráśková V. Folia Biol (Praha) 17:41-9, 1971

Dose reduction factor produced by intraperitoneal administration of phytohemagglutinin in mice. Stefani S, et al. Health Phys 19:19-21, Jul 70

Experimental study of agents protecting the skin against acute radiation ulceration. Chaudhuri SK, et al. Indian J Med Res 58:1413-20, Oct 70

Dimethyl sulfoxide protection of bone marrow cells of mice against x-ray damage. Zinberg N, et al.
Isr J Med Sci 7:713-8, Jun 71

Comparative protective effect of AET against fast neutron and x-ray irradiation on mortality, intestinal disorders and hematopoietic injuries in mice. Antoku S, et al. J Radiat Res (Tokyo) 11:70-8, Jun 70

Inhibition of estrogen-induced radioprotection of placental nucleic acids and proteins by the antiestrogen clomiphene. Mitznegg P, et al.
Life Sci [II] 9:815-20, 22 Jul 70

Protective effect of cysteamine on the teratogenic action of X-rays in golden hamster. Preliminary report. Kulig A, et al. Pol Med J 8:902-8, 1969

Effectiveness of pressor drugs in beagles exposed to mixed gamma-neutron radiations. Davis LW, et al.
Proc Soc Exp Biol Med 136:753-9, Mar 71

Radiation survival: Improved rates following chlortetracycline administration. Adamson IY, et al.
Radiat Res 44:478-83, Nov 70

Dose reduction factor for radiation lethality in mice as a function of the dose of mercaptoethylamine. Hasegawa AT, et al. Radiat Res 44:738-47, Dec 70

On the mechanism of radioprotective action of dimethyl sulfoxide. Lappenbusch WL.
Radiat Res 46:279-89, May 71

Colony-forming units in rat parabionts. Sodicoff M.
Radiat Res 44:758-70, Dec 70

The therapeutic effect of 2-amino-4-hydroxy-6-(1',2',3',4'-tetrahydroxybutyl)-5,6,7,8-tetrahydropteridine in x-irradiated mice. Sonka J, et al. Radiat Res 45:536-41, Mar 71

Biological factors affecting the radioprotective efficiency of S-2-[2-aminopropylamino] ethylphosphorothioic acid (WR-2721). LD50(30) doses. Yuhas JM. Radiat Res 44:621-8, Dec 70

[Radioprotective properties of butyrophenone derivatives] Uray Z, et al.
Agressologie 11:357-60, 1970 (Fre)

[Radioprotective activity of the condensation products of glyoxylic acid and its esters with several amino-thiols] Jézéquel EJ, et al.
C R Acad Sci [D] (Paris) 272:2826-7, 2 Jun 71 (Fre)

[Effect of single structural components of bacterial lipopolysaccharides on radiosensitivity of the mouse] Langendorff H, et al.
Strahlentherapie 141:457-63, Apr 71 (Ger)

[Effects of food preservatives on the survival rate of rats following whole-body irradiation. 2. I. Lactic acid, II. Lactose, 3. Sorbic acid, IV. Sodium phosphate] Peters K, et al.
Strahlentherapie 139:382-71, Mar 70 (Ger)

[Observations on the reduction of radiation sensitivity through sublethal pre-irradiations in chick embryos] Wendt E. Strahlentherapie 139:372-8, Mar 70 (Ger)

[New data in the field of chemical radioprotection. The use and effectiveness of combined radiation protective agents] Arghittu C.
Minerva Med 61:3975-80, 19 Sep 70 (16 ref.) (Ita)

[Hematologic and anatomopathologic findings on heterologous transplantation of bone marrow in lethally irradiated rabbits] Polese E, et al.
Minerva Med 61:4166-70, 26 Sep 70 (Ita)

[Various clinical observations and anatomopathologic findings on lethally irradiated monkeys treated with human bone marrow] Polese E, et al.
Minerva Med 61:4171-5, 26 Sep 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Protective effect of cis-urocanic acid eye-drops to the ocular inflammation induced by the ultra-violet radiation] Matsui M.
Acta Soc Ophthalmol Jap 74:1489-93, Nov 70 (Jap)
[Experimental study of the effect of chemical protective agent to the postirradiation bladder damage] Ito Y.
Nippon Acta Radiol 31:143-51, 1971 (Jap)
[Experience with antiradiation protection of the central nervous system during antenatal irradiation of rats] Piontkovskif IA, et al.
Biull Eksp Biol Med 65:41-4, May 68 (Rus)
[Efficiacy of ACTH in preventing acute radiation sickness] Rogozkin VD, et al.
Biull Eksp Biol Med 68:30-2, Sep 69 (Rus)
[The erythropoietic effect of Neroboi in guinea pigs following prolonged irradiation] Rogozkin VD, et al.
Biull Eksp Biol Med 69:60-1, Apr 70 (Rus)
[The radioprotective effect of adenosine triphosphoric acid sodium salt in experiments on mice] Rogozkin VD, et al. Biull Eksp Biol Med 66:64-7, 1968 (Rus)
[The possibility of increasing the protective effect of screening a portion of the bone marrow during irradiation of rats and mice] Shust VF.
Biull Eksp Biol Med 66:55-7, Nov 68 (Rus)
[Role of endogenous histamine in the protective effect of radiation-protective agents] Goncharenko EN, et al. Dokl Akad Nauk SSSR 191:948-50, 1970 (Rus)
[Reduction of radiation damage to rats using erythropoietin in subtotal irradiation] Klestova OV.
Dokl Akad Nauk SSSR 184:463-5, Jan 69 (Rus)
[Effect of increased atmospheric pressure on the protective efficiency of some radioprotectors] Sverdlov AG, et al.
Dokl Akad Nauk SSSR 196:220-2, Jan-Feb 71 (Rus)
[Mechanism of the protective effect of ultraviolet-irradiation of ducks during x-radiation] Buturlakin MS.
Radiobiologiia 10:925-7, Nov-Dec 70 (Rus)
[Effect of NDV virus on the radiation resistance of white mice] Iabrov AA, et al.
Radiobiologiia 11:138-40, Jan-Feb 71 (Rus)
[Effect of dietary calcium and fluorine on the degree of radioresistance of bacillocarrier animals] Knizhnikov VA, et al. Radiobiologiia 10:617-9, Jul-Aug 70 (Rus)
[Role of catecholamine depots and alpha-adrenoreceptors in the radiation-protective effect of hydroxyphenylethanolamines] Kulinskif VI.
Radiobiologiia 10:887-91, Nov-Dec 70 (Rus)
[Biochemico-pharmacological analysis and potentiation of the radiation protection effect of aminothiols in the intestinal form of acute radiation sickness] Kulinskif VI. Radiobiologiia 11:86-91, Jan-Feb 71 (Rus)
[Protective effect of biogenic amines in intestinal radiation syndrome] Ovakimov VG, et al.
Radiobiologiia 10:561-3, Jul-Aug 70 (Rus)
[Protective effect of adrenaline and acetylcholine in different forms of radiation death of mice] Ychkovskaia IB, et al.
Radiobiologiia 10:914-6, Nov-Dec 70 (Rus)
[Amituron in ionizing irradiation of animals] Kartashov PA. Veterinariia 11:81-3, Nov 70 (Rus)
[Effect of insulin on the functional state of some endocrine glands in rats irradiated on a 25 Mev betatron] Pegel' VA, et al.
Vopr Med Khim 17:125-8, Mar-Apr 71 (Rus)
[Role of antiradiation agents in the formation of the biochemical basis of radiation resistance] Goncharenko EN.
Zh Obshch Biol 32:13-26, Jan-Feb 71 (Rus)

THERAPY

Effects of actinomycin D on the erythropoietic restoring capacity of mouse bone marrow cells. Scaro JL, et al. Acta Physiol Lat Am 20:265-70, 1970
Low temperature preservation of monkey marrow in dimethyl sulfoxide. Buckner CD, et al.
Cryobiology 7:136-40, Sep-Oct 70
Combined surgical and radiation injury. V. The effect of bone marrow transplantation. Donati RM, et al.
Experientia 27:246-7, 15 Mar 71
Relative efficacy of intraperitoneal application of haematopoietic cells to irradiated mice. Fiala J, et al.
Folia Biol (Praha) 17:37-40, 1971
Autologous bone marrow transplantation in irradiated baboons. Chertkov JL, et al.
Radiat Res 46:129-43, Apr 71
Supralethally x-irradiated amoebae treated with nonirradiated, homogenized protoplasm. Daniels EW, et al. Radiat Res 46:85-8, Apr 71
[Effects of pulmonary lavage on the retention of inhalated plutonium oxide particles] Kunzie-Lutz M, et al. Arch Mal Prof 31:513-6, Sep 70 (Fre)
[Experiments with total body irradiated animals treated with fresh bone marrow. I. Survival study] Poy C, et al. Minerva Med 61:3990-4019, 19 Sep 70 (Ita)
[Experiments on total body irradiated animals treated with fresh bone marrow. 2. Biometric analysis of the lethal dose 50-30] Poy C, et al.
Minerva Med 61:4020-4, 19 Sep 70 (Ita)
[Experiments on total body irradiated animals treated with fresh bone marrow. 3. Considerations on weight variations and autopsy findings] Poy C.
Minerva Med 61:4025-31, 19 Sep 70 (Ita)
[The osteogenic potency of irradiated bone marrow transplanted into diffusion chambers] Kuralesova AI.
Biull Eksp Biol Med 66:105-9, Nov 68 (Rus)
[Stimulation of hematopoiesis restoration in totally irradiated animals by seeding of hematopoietic cells in the early postirradiation period] Rudakov IA, et al.
Biull Eksp Biol Med 70:98-101, Oct 70 (Rus)
[Mechanism of the therapeutic effect of transplantations of hematopoietic tissues in radiation injuries] Riabukha AK, et al.
Dokl Akad Nauk SSSR 191:244-6, Mar-Apr 70 (Rus)
[Effect of bone marrow hydrolysate on the survival of lethally irradiated rabbits and some indices of hematopoiesis] Gankevich GA, et al.
Probl Gematol Pereliv Krovi 15:36-9, Jun 70 (Rus)
[Oxidative phosphorylation in spleen mitochondria in acute radiation injury treated by bone marrow transplantation] Malovichko II, et al.
Radiobiologiia 10:590-2, Jul-Aug 70 (Rus)
[Effect of homotransplantation of bone marrow on the healing of liver wounds in severe combined radiation trauma] Ogiif PE, et al.
Vestn Khir 103:37-41, Aug 69 (Rus)

URINE

[Disorders of riboflavin and ascorbic acid excretion in radiation sickness against the background of qualitatively diverse protein nutrition] Egorova ND, et al. Radiobiologiia 11:271-4, Mar-Apr 71 (Rus)

VETERINARY

Responses of commercial broiler chicks to acute gamma radiation stress in the range of 900-1600 R. Brisbin IL Jr, et al. Poult Sci 50:397-402, Mar 71

RADIATION MONITORING (E1, G3)

Monitoring for internal contamination of nuclear energy personnel. Devell L, et al.
Acta Radiol [Diagn] (Stockh) Suppl 254:111-, 1966
Radiation protection dosimetry at the 1.2 GeV electron synchrotron at the University of Lund. Svensson GK.
Acta Radiol [Diagn] (Stockh) Suppl 254:138-, 1966
Tests on the collecting efficiency of charcoal-filters for monitoring of airborne radioiodine. Vägsild T.
Acta Radiol [Diagn] (Stockh) Suppl 254:154-, 1966
Whole-body counting of some radioactive isotope and radiopharmaceutical production workers. Athey TW 3d, et al. Am Ind Hyg Assoc J 31:711-7, Nov-Dec 70
A study of microwave radiation leakage from microwave ovens. Gilbert H.
Am Ind Hyg Assoc J 31:772-8, Nov-Dec 70
A field method for the determination of lead in glass used for shielding television receiver components. Levine H, et al.
Am Ind Hyg Assoc J 31:633-6, Sep-Oct 70
Evaluation of the PUQFUA method of calculating systemic burdens. Wood WR Jr, et al.
Am Ind Hyg Assoc J 32:58-63, Jan 71
A comparison of two radiation therapy-treatment plans for carcinoma of the cervix: I. Personnel radiation exposure. Boronow RC, et al.
Am J Obstet Gynecol 110:693-5, 1 Jul 71
Leak testing chromatographic radium sources--radon emanation technique. Crowder SE.
Am J Roentgenol Radium Ther Nucl Med 111:189-90, Jan 71
The estimation of the dose to skin from radioactive particulate contamination of clothing. Stevens DC, et al. Ann Occup Hyg 14:1-9, Mar 71
II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet. Herring LC, et al. Arch Environ Health 22:251-8, Feb 71
A radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone. Herring LC, et al. Arch Environ Health 22:239-50, Feb 71
Positioning of film badges. Langmead WA, et al.
Br J Radiol 44:480-1, Jun 71
1969 Annual Report to the Congress on the Administration of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602.
Environ Health Ser [Radiol Health] 1-54, 1 Apr 70
1969 Annual Report to the Congress on the Administration of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602. Report to the Congress on studies conducted pursuant to section 357 of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602.
Environ Health Ser [Radiol Health] Suppl 1:1-42, 1 Apr 70
Interference of medically administered 57 Co with transuranic element in-vivo lung measurements. Andersen BV, et al. Health Phys 19:693-5, Nov 70
Evaluation of accidental personnel exposure to plutonium-238: whole body counting and bioassay results. Anderson HF, et al.
Health Phys 18:631-9, Jun 70
Thermally stimulated exoelectron emission, thermoluminescence, and impurities in LiF and BeO. Becker K, et al. Health Phys 19:391-403, Sep 70
A semi-empirical model for radionuclide transport in mammals. Bonta WK. Health Phys 18:389-400, Apr 70
Production of gases of known specific activity in a reactor for calibrating gaseous effluent monitors. Bowman WB, et al. Health Phys 20:337-9, Mar 71
A system for continuous monitoring of potential dose rate to the gastrointestinal tract from drinking water. Bramson PE. Health Phys 18:523-7, May 70
Radiation exposure from a shoe-fitting fluoroscope. Bushong SC, et al. Health Phys 18:575-7, May 70
Contribution of activity released from protective clothing to air contamination measured by personal air samplers. Butterworth R, et al.
Health Phys 18:319-23, Apr 70
Studies on the natural background radiation in Italy. Cardinale A, et al. Health Phys 20:285-96, Mar 71
The energy-size dependence of the response of thermoluminescent dosimeters to photon irradiation. Chan FK, et al. Health Phys 18:325-32, Apr 70
Availability in the dog of radionuclides in nuclear debris from the Plowshare Excavation Cabriolet. Chertok RJ, et al. Health Phys 19:405-9, Sep 70
Rapid screening of environmental samples using gama spectrometry. Daly JC, et al.
Health Phys 20:640-1, Jun 71
The determination of 210Po in urine. DeBoeck R, et al.
Health Phys 20:403-7, Apr 71
Explanation of supralinearity in thermoluminescence of LiF in terms of the interacting track model. Dobson PN Jr, et al. Health Phys 18:571-3, May 70
Average milk and mineral intakes (calcium, phosphorus, sodium and potassium) of infants in the United States from 1954 to 1968; implications for estimating annual intakes of radionuclides. Durbin PW. Health Phys 19:187-222, Aug 70
Relationship of lead-210 and short lived radon-222 daughter products. Fisher HL Jr.
Health Phys 19:697-8, Nov 70
Quartz as a heat-resistant dosimeter. Fleming SJ, et al.
Health Phys 18:567-8, May 70
Light sensitivity of LiF thermoluminescent dosimeters. Freeswick DC, et al.
Health Phys 19:65, Jul 70
Dose assessment from the UA-RR-1 reactor channel. Gomaa MA. Health Phys 19:323, Aug 70
Radioactive fission product 137 Cs in mushrooms in W. Germany during 1963-1970. Grueter H.
Health Phys 20:655-7, Jun 71
Effect of quenching temperature and rate on thermoluminescence in high purity lithium fluoride. Guilmet GM, et al. Health Phys 19:582-4, Oct 70
137 Cs: seasonal patterns in native residents of three contrasting Alaskan villages. Hanson WC.
Health Phys 20:585-91, Jun 71
Radiological protection of workers exposed to airborne plutonium particulate. Holliday B, et al.
Health Phys 18:529-40, May 70
An improved method for americium analysis in urine. Horn IF. Health Phys 20:641-3, Jun 71
226Ra in contemporary and fossil snow. Jaworowski Z, et al. Health Phys 20:449-50, Apr 71
Relative distribution of plutonium and americium following experimental PuO 2 implants. Johnson LJ, et al. Health Phys 19:743-9, Dec 70
Kinetics of lymph node activity accummulation from subcutaneous PuO 2 implants. Johnson LJ, et al.
Health Phys 18:416-8, Apr 70
Investigations on 210 Pb concentrations in various regions of India. Joshi LU, et al.
Health Phys 20:665-8, Jun 71
The exponential decrease of 137 Cs in man from mid-1965 through mid-1968 and its significance. Joyet G, et al. Health Phys 18:455-65, May 70
Some intrinsic inaccuracies of thermo-luminescent dosimetry. Kartha M. Health Phys 20:431-5, Apr 71
Some intrinsic inaccuracies of thermoluminescent dosimetry. Kartha M. Health Phys 20:431-5, Apr 71
Development of a uranium mine research laboratory. Kaufman EL, et al. Health Phys 20:94-7, Jan 71
A five-year inhalation study with natural uranium dioxide (UO 2) dust. I. Retention and biologic effect in the monkey, dog and rat. Leach LJ, et al.
Health Phys 18:599-612, Jun 70
Medical radiation exposure survey in a hospital with a nuclear medicine laboratory. LeBlanc A, et al.
Health Phys 19:433-7, Sep 70
The measurement of the L.E.T. distribution within a reactor environment. Lucas AC, et al.
Health Phys 18:580-1, May 70
Exposure rates from diagnostic x-ray units.
McCullough EC, et al. Health Phys 20:443-4, Apr 71
Comment on "Quartz as a dosimeter". McDougall DJ.
Health Phys 20:452-3, Apr 71
Thermoluminescent dosimetry of aluminum oxide. McDougall RS, et al. Health Phys 19:281-3, Aug 70
A photographic technique for dosimetry using silver activated phosphate glass plates. Martin JA, et al.
Health Phys 20:645-7, Jun 71
Radiation emission from a television projection system. Matthews JD. Health Phys 18:541-5, May 70
Average exposure to radiation workers in Pakistan. Mirza KF, et al. Health Phys 18:569, May 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Possible explanation in apparent discrepancies of results from commercial suppliers of film badges. Moss CE. Health Phys 20:225, Feb 71

Directional dependence of exposure measurements and the evaluation of effective energies of medium energy x-rays by film badges. Palić V, et al. Health Phys 20:259-65, Mar 71

Radioactivity in the diet in high background areas of Brazil. Penna-Franca E, et al. Health Phys 19:657-62, Nov 70

A survey of dental x-ray equipment and radiological practices in Nassau County New York. Pentel L, et al. Health Phys 20:59-71, Jan 71

90Sr in northern Sweden: relationships and annual variations from 1961 to 1969 in lichen, reindeer and man. Persson BR. Health Phys 20:393-402, Apr 71

Thermoluminescent sensitivity of CaF2:Mn in a mixed neutron-gamma field. Puite KJ. Health Phys 20:437-42, Apr 71

Thermoluminescent sensitivity of CaF 2 :Mn in a mixed neutron-gamma field. Puite KJ. Health Phys 20:437-42, Apr 71

Concerning the relationship of lead-210 and inhalation exposure to radon-222. Raabe OG. Health Phys 18:733-4, Jun 70

In-vivo and bioassay results from two contrasting cases of plutonium-239 inhalation. Ramsden D, et al. Health Phys 19:9-17, Jul 70

Radiation dosimetry by optically-stimulated luminescence of BeO. Rhyner CR, et al. Health Phys 18:681-4, Jun 70

Experience with boron-loaded nuclear track plates as detector elements for spherical moderator type neutron monitors. Shapiro J, et al. Health Phys 18:418-24, Apr 70

Effects of grain size and initial trap density on superlinearity of LiF:TLD. Shiragai A. Health Phys 18:728-9, Jun 70

MPC values for 102 Rh, 102m Rh and 107 Pd. Soldat JK. Health Phys 19:60-3, Jul 70

Comment on "A simple photographic film dosimeter of low energy dependence". Stekelenburg LH van, et al. Health Phys 20:452, Apr 71

131-I discharges from an operating boiling water reactor nuclear power station. Stigali GE, et al. Health Phys 20:593-9, Jun 71

The metabolism of actinium in the rat. Taylor DM. Health Phys 19:411-8, Sep 70

Estimation of 241 Am body burdens by analysis of whole-body scanning, excreta, and body weight data. Thomas RG. Health Phys 19:751-5, Dec 70

AERIN, a code for acute aerosol inhalation exposure calculations. Voillequé PG. Health Phys 19:427-32, Sep 70

Silver-activated phosphate dosimeter glasses with low energy dependence and higher sensitivity. Yokota R, et al. Health Phys 20:662-3, Jun 71

Performance of glass dosimeters and film dosimeter in personnel monitoring. Yokota R, et al. Health Phys 19:316-8, Aug 70

An auxiliary cyclotron beam monitor. Lebowitz E, et al. Int J Appl Radiat Isot 21:625-7, Oct 70

Results of thyroid and whole-body counting of some medical and paramedical personnel. Shleien B, et al. J Nucl Med 12:523-5, Jul 71

Natural alpha-radioactivity concentrations in bone and liver from various animal species. Cherry RD, et al. Nature (Lond) 228:1002-3, 5 Dec 70

X-rays from domestic colour television receivers in Britain. O'Riordan MC, et al. Nature (Lond) 228:420-1, 31 Oct 70

Body burdens of cerium-137 and potassium-40 in the Japanese population. Katsunuma H, et al. Nippon Acta Radiol 31:1-6, Apr 71

X-ray beam profiles and oral radiography. Weissman DD, et al. Oral Surg 31:546-55, Apr 71

A film badge for estimating intermediate neutron dose. Eid A, et al. Phys Med Biol 16:333, Apr 71

Comparison of ionization, ferrous sulphate and thermoluminescence dosimetry of megavoltage photons. Law J, et al. Phys Med Biol 16:67-75, Jan 71

Thermoluminescence response of 7L:F to ultra-violet light. Mason EW. Phys Med Biol 16:303-10, Apr 71

Semiconductor nuclear radiation detectors. Parker RP. Phys Med Biol 15:605-20, Oct 70 (72 ref.)

Thermoluminescent dosimetry using lithium fluoride in aqueous suspension. Spurný Z, et al. Phys Med Biol 16:295-301, Apr 71

Statistical limits of accuracy and precision of gross alpha and beta radioactivity measurements in water. Baratta EJ, et al. Radiol Health Data Rep 12:195-8, Apr 71

Summary of environmental monitoring at Ames Laboratory, 1962-1969. Copp JJ. Radiol Health Data Rep 12:119-28, Mar 71

A priority system for the inspection of x-ray facilities. Dillard BL, et al. Radiol Health Data Rep 11:367-72, Aug 70

Results of 33,911 x-ray protection surveys of facilities with medical or dental diagnostic x-ray equipment, fiscal years 1961-1968. Fess LR, et al. Radiol Health Data Rep 11:581-612, Nov 70

Natural environmental radioactivity in south Florida sands and soils, February-June 1968. Keefer DH, et al. Radiol Health Data Rep 11:441-8, Sep 70

Color television survey in Pennsylvania. Lane RA. Radiol Health Data Rep 12:137-8, Mar 71

Radiation exposure to a phantom patient during simulated chiropractic spinal radiography. Levine JI, et al. Radiol Health Data Rep 12:245-51, May 71

Nassau County microwave oven study, June 1969--March 1970. Mafrici D, et al. Radiol Health Data Rep 11:667-70, Dec 70

Disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1969. Mangeno JJ, et al. Radiol Health Data Rep 11:373-7, Aug 70

Environmental monitoring and disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1970. Miles ME, et al. Radiol Health Data Rep 12:235-44, May 71

Results of radiation safety surveys of X-ray facilities within the Bureau of Prisons and Federal Health Programs Service. Miller LA, et al. Radiol Health Data Rep 12:129-35, Mar 71

Estimates of potential doses to various organs from X-radiation emissions from color television picture tubes. Neill RH, et al. Radiol Health Data Rep 12:1-6, Jan 71

Analysis of iodine-131 data in bovine thyroids, October 1964 through February 1969. Russell JL, et al. Radiol Health Data Rep 11:573-9, Nov 70

Public health aspects of iodine-129 from the nuclear power industry. Russell JL, et al. Radiol Health Data Rep 12:189-94, Apr 71

Results of a study of color television set assembly and repair workers X-ray safety. Savic SD. Radiol Health Data Rep 11:519-25, Oct 70

Surveys of radium contamination in aircraft instrument repair facilities 1966-1967. Schmidt GD, et al. Radiol Health Data Rep 12:7-15, Jan 71

Standby milk surveillance network. Sharpe TJ, et al. Radiol Health Data Rep 11:379-82, Aug 70

Environmental survey of uranium mill tailings pile, Monument Valley, Ariz. Snelling RN. Radiol Health Data Rep 11:511-7, Oct 70

Environmental survey of uranium mill tailings pile, Mexican Hat, Utah. Snelling RN. Radiol Health Data Rep 12:17-28, Jan 71

Dose assessment of ionizing radiation exposure to the population. Terpilak MS, et al. Radiol Health Data Rep 12:171-88, Apr 71

Canadian air and precipitation monitoring program, July 1970. Radiol Health Data Rep 11:645, Nov 70

Food and diet surveillance. I. Estimated daily intake of radionuclides in California diets, April-December 1969, and January-June 1970. Radiol Health Data Rep 11:628-32, Nov 70

Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 11:641, Nov 70

Environmental levels of radioactivity at Atomic Energy Commission installations. Radiol Health Data Rep 11:649-57, Nov 70

2. Radionuclides in institutional diet samples, January-March 1970. Radiol Health Data Rep 11:633-6, Nov 70

Tritium in surface water network January-June 1970. Radiol Health Data Rep 11:638-9, Nov 70

Milk and food. Milk surveillance, July 1970. Radiol Health Data Rep 11:617-27, Nov 70

4. Pan American air sampling program July 1970. Radiol Health Data Rep 11:647-8, Nov 70

1. Radiation alert network July 1970. Radiol Health Data Rep 11:642-4, Nov 70

3. Mexican air monitoring program July 1970. Radiol Health Data Rep 11:646-7, Nov 70

1. Radiation Alert Network. November 1970. Radiol Health Data Rep 12:153-5, Mar 71

Food and diet surveillance. Radiol Health Data Rep 12:150, Mar 71

2. Canadian Air and Precipitation Monitoring Program, November 1970. Radiol Health Data Rep 12:156, Mar 71

I. Milk and food. Milk surveillance, November 1970. Radiol Health Data Rep 12:141-50, Mar 71

3. Pan American Air Sampling Program. November 1970. Radiol Health Data Rep 12:157, Mar 71

II. Water. Radiol Health Data Rep 12:151, Mar 71

3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:152, Mar 71

Environmental levels of radioactivity at Atomic Energy Commission installations. Radiol Health Data Rep 12:159-67, Mar 71

4. Plutonium in airborne particulates. January-June 1970. Radiol Health Data Rep 12:157-8, Mar 71

Radiological health and data reports. 3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:107-12, Feb 71

Radiological health and data reports. IV. Other data. Environmental levels of radioactivity at Atomic Energy installations. Radiol Health Data Rep 12:113-7, Feb 71

Radiological health and data reports. I. Milk and food. Food and diet surveillance. Radiol Health Data Rep 12:96-9, Feb 71

Radiological health and data reports. I. Milk and food. Milk surveillance, October 1970. Radiol Health Data Rep 12:87-96, Feb 71

Radiological health and data reports. II. Radioactivity in Washington surface water. July 1968-June 1969. Radiol Health Data Rep 12:101-6, Feb 71

Environmental levels of radioactivity at atomic energy commission installations. Radiol Health Data Rep 11:476-82, Sep 70

3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 11:403-11, Aug 70

IV. Other data. Radiol Health Data Rep 11:412-8, Aug 70

II. Water. Radiol Health Data Rep 11:399-401, Aug 70

Milk surveillance, April 1970. Radiol Health Data Rep 11:383-97, Aug 70

3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:211-6, Apr 71

Surface air sampling program--80th Meridian network, January-December 1968. Radiol Health Data Rep 12:217-23, Apr 71

Environmental levels of radioactivity at Atomic Energy Commission installations. Radiol Health Data Rep 12:228-33, Apr 71

Radionuclides in institutional diet samples, October-December 1970 and annual summary 1970. Radiol Health Data Rep 12:264-7, May 71

Data. I. Milk and food. Radiol Health Data Rep 12:253-62, May 71

3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:279-83, May 71

Environmental levels of radioactivity at Atomic Energy Commission installations. Radiol Health Data Rep 12:285-98, May 71

Tritium surveillance system, July-December 1970. Radiol Health Data Rep 12:272-8, May 71

Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:46-51, Jan 71

Reported nuclear detonations, December 1970 (includes seismic signals presumably from foreign detonations). Radiol Health Data Rep 12:80, Jan 71

Radiation exposure to personnel during cardiac catheterization. A preliminary study. Maisky SJ, et al. Radiology 100:671-4, Sep 71

[Check on internal contamination by means of the 4 pi whole body counter] Delwaide PA. J Belge Radiol 53:405-21, Sep-Oct 70 (Fre)

[Estimation of internal plutonium contamination by means of physico-chemical analysis of excreta] Dulcino J, et al. J Belge Radiol 51:284-90, 1968 (Fre)

[Scintillation counting in a liquid medium: technics and applications in radioprotection] Gillet R, et al. J Belge Radiol 54:441-5, May-Jun 71 (Fre)

[Human spectrometry. A method of diagnosis of internal contamination. Achievements of the Health Service] Frossard H, et al. Rev Corps Sante Armees 12:187-200, Apr 71 (Fre)

[Tritium control in humans] Haschke J. Arch Hyg Bakteriol 154:138-42, Oct 70 (Ger)

[An additional safety device for a cobalt institute] Werner A. Harefuah 78:601-2, 15 Jun 70 (Heb)

[Ecological study of the site of the Nuclear Research Center of Trisaia] Antonelli A, et al. Minerva Fisiconucl 14:109-19, Jul-Sep 70 (Ita)

[Measurement of internal contamination at the ENEL Electronuclear plant of Garigliano] Antonucci L, et al. Minerva Fisiconucl 14:101-3, Jul-Sep 70 (Ita)

[Intercalibration of dosimeters on film in Italian services of the personnel dosimetry] Busuoli G, et al. Minerva Fisiconucl 15:33-7, Jan-Mar 71 (Ita)

[Determination of the efficiency of scintillation crystals immersed in media uniformly contaminated by gamma emitters] De Franceschi L, et al. Minerva Fisiconucl 13:165-72, Apr-Jun 69 (Ita)

[Considerations on the average dose absorbed by persons engaged in transportation of radioactive materials in Italy (1967-1968)] Faloci C, et al. Minerva Fisiconucl 14:159-71, Oct-Dec 70 (Ita)

[The whole body counter of the ENEL Electronuclear plant of Garigliano] Farulla A, et al. Minerva Fisiconucl 14:104-5, Jul-Sep 70 (Ita)

[Dosimetry of high-energy electron beams (12-32 MeV) with photoluminescent glass] Tosi G, et al. Minerva Fisiconucl 13:135-40, Apr-Jun 69 (Ita)

[Radiologic protection in a general hospital] Garavaglia C. Minerva Med 61:4464-8, 6 Oct 70 (Ita)

[Thermoluminescent dosimetry with NaCl:Mg] Camuffo D, et al. Quad Radiol 35:147-62, 26 Oct 69 (Ita)

[Physical monitoring in protection against ionizing radiations] Chierego G, et al. Quad Radiol 35:203-10, 26 Oct 69 (Ita)

[Notes on individual dosimetric control with LiTF teflon disks] Barbina V, et al. Radiol Med (Torino) 56:512-27, Jun 70 (Ita)

[Distribution of the exposure dosage in patients carrying radionuclides and related radio protective problems] Pompili G, et al. Radiol Med (Torino) 55:671-9, Jul 69 (Ita)

[Radioactivity of Polish honeys. I] Mińkiewicz W, et al. Acta Pol Pharm 27:587-92, 1970 (Pol)

[Certain aspects of hygienic dosimetric control] Cherkasov EF, et al. Gig Sanit 35:87-90, Apr 70 (Rus)

[Characteristics of radiation loading of the organism in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.





inhabitants of Novgorod District] Poplavskif KK, et al. Gig Sanit 35:109-11, Mar 70 (Rus)
[Energy distribution in photon-radiation from 60Co-therapy apparatus] Löfroth PO, et al. Nord Med 84:1305, 8 Oct 70 (Swe)

HISTORY

The sole meeting of Pierre Curie and Ernest Rutherford. (Curie P), (Rutherford E), Riley JF. Lancet 2:1076-7, 21 Nov 70

INSTRUMENTATION

An emergency food monitor. Gjorup HL. Acta Radiol [Diagn] (Stockh) Suppl 254:146-, 1966
Beta-absorption-impactor aerosol mass monitor. Lilienfeld P. Am Ind Hyg Assoc J 31:722-9, Nov-Dec 70
Improved photographic leak test system for sealed sources of radium 226. Bedrosian PH, et al. Am J Roentgenol Radium Ther Nucl Med 112:788-91, Aug 71
Filter system design, installation and testing for radioactive contaminant removal. Kovach JL. Contam Control 10:9-14, May-Jun 71
Thermoluminescence personnel dosimetry at Hanford. II. Energy dependence and application of TLD materials in operational health physics. Endres GW, et al. Health Phys 18:665-72, Jun 70
A practical hand-shoe monitor. Fergus RW. Health Phys 19:307-10, Aug 70
A portable area monitor for gamma-rays. Jones AR. Health Phys 18:333-7, Apr 70
Thermoluminescence personnel dosimetry at Hanford. I. 7 LiF extremity and non-radiation worker dosimeters. Kocher LF, et al. Health Phys 18:311-7, Apr 70
A thermoluminescent personnel neutron dosimeter. Korba A, et al. Health Phys 18:581-4, May 70
Experience with a low-cost chair-type detector system for the determination of radioactive body burdens of M.I.T. radiation workers. Massé FX, et al. Health Phys 19:27-35, Jul 70
A constant geometry approach to in situ seabed gamma monitoring. Reynolds E. Health Phys 20:241-51, Mar 71
Pocket radiation dose integrator and monitor. Splichal WF Jr. Health Phys 19:692-3, Nov 70
An alpha detector insensitive to high neutron and gamma backgrounds and temperature. Splichal WF Jr. Health Phys 19:576-7, Oct 70
Comment on "A simple photographic film dosimeter of low energy dependence". Stekelenburg LH van, et al. Health Phys 20:452, Apr 71
A developmnetal scintillation counter for detection of plutonium in vivo. Swinth KL, et al. Health Phys 19:543-50, Oct 70
A sequential neutron and gamma ray monitor. Thonnard N, et al. Health Phys 19:671-3, Nov 70
A chemical dosimeter for monitoring gamma-radiation doses of 1-100 krad. McLaughlin WL, et al. Int J Appl Radiat Isot 22:135-40, Mar 71
Collector monitors for electron beams. Bewley DK. Phys Med Biol 16:131-3, Jan 71
A semi-automatic TLD reader. Kartha M, et al. Phys Med Biol 16:141-3, Jan 71
Measurement of skin dose from low energy beta and gamma radiation using thermoluminescent discs. Marshall M, et al. Phys Med Biol 16:503-10, Jul 71
Thermoluminescence: a better way to monitor radiation exposure. Pearce CE. Radiol Technol 42:259-65, Jan 71
Small-scale comparison of film badges and thermoluminescent dosimeters. Crosby EH. Radiology 99:429-32, May 71
[Medical aspects of the Apollo programme] Haaland JA. Minerva Med 61:5732-40, 12 Dec 70 (Ita)
[Aspiration apparatus of high efficiency for collecting samples of radioactive aerosols from the atmosphere] Masiovskif RIa. Gig Sanit 36:63-4, 1971 (Rus)
[A thermal x-ray detector] Kozyrev BP, et al. Med Radiol (Mosk) 16:72-4, Mar 71 (Rus)
[Methods of measuring infrared irradiation of human skin] Petrov IuL, et al. Fiziol Zh 14:569-71, Jul-Aug 68 (Ukr)

STANDARDS

Some tests on the consistency of the performance of six precision long counters intended as secondary standards for the measurement of fast neutron flux densities. Marshall TO. Health Phys 18:427-9, Apr 70
Use of light source for testing thermoluminescent dosimeter readers. Robertson MK. Health Phys 18:440-1, Apr 70
Alberta's x-ray protection program: results of a survey of one hundred dental x-ray units. Wetherill JM. J Can Dent Assoc 36:370-2, Oct 70

RADIATION PROTECTION (G3)

Shielded intra-uterine applicator for a remote afterloading technique in the treatment of carcinoma of the uterine cervix. Bäckström A, et al. Acta Radiol [Ther] (Stockh) 10:225-30, Apr 71
Preliminary report of biologic testing of laser protective materials. Fine S, et al. Am J Ophthalmol 71:828-34, Apr 71
Synchronous shielding and field shaping for megavolt irradiation of advanced cervical carcinoma. Ilfeld DN, et al. Am J Roentgenol Radium Ther Nucl Med 112:792-6, Aug 71
Use of electron filter to reduce skin dose in cobalt teletherapy. Khan FM. Am J Roentgenol Radium Ther Nucl Med 111:180-1, Jan 71
Methods for the enhancement of skin sparing in cobalt 60 teletherapy. Saylor WL, et al. Am J Roentgenol Radium Ther Nucl Med 111:174-9, Jan 71
Human radiation exposures from nuclear power reactors. Sagan LA. Arch Environ Health 22:487-92, Apr 71
Dosimetry in photocoagulation. Fankhauser F, et al. Arch Ophthalmol 85:610-3, May 71
The National Health and Medical Research Council. A review of publications relating to matters of radiation health. Stanford RW. Australas Radiol 15:77-9, Feb 71
Radioiodine therapy to out-patients--the contamination hazard. Chandra R, et al. Br J Radiol 44:557, Jul 71
The attenuation of 14 MeV neutrons in calcium-based concrete and the resultant production of radioactivity. Greene D, et al. Br J Radiol 44:116-9, Feb 71
A method for the accurate manufacture of lead shields. Jones D. Br J Radiol 44:398-9, May 71
Hazard control for helium-neon gas lasers. Oliver R. Br J Radiol 43:909-10, Dec 70
Radioactive Patients. Br Med J 3:658-9, 19 Sep 70
A new radiological health law for Canada--The Radiation-Emitting Devices Act, 1969. Booth AH. Can J Public Health 61:430-2, Sep-Oct 70
1969 Annual Report to the Congress on the Administration of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602. Environ Health Ser [Radiol Health] 1-54, 1 Apr 70
1969 Annual Report to the Congress on the Administration of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602. Report to the Congress on studies conducted pursuant to section 357 of the Radiation Control for Health and Safety Act of 1968 Public Law 90-602. Environ Health Ser [Radiol Health] Suppl 1:1-42, 1 Apr 70
Production and shielding of 15 MeV neutrons. Broerse JJ, et al. Eur J Cancer 7:105-14, May 71
Fast drying strippable protective cover for radioactive decontamination. Bernaola OA, et al. Health Phys 19:685-7, Nov 70
A semi-empirical model for radionuclide transport in mammals. Bonta WK. Health Phys 18:389-400, Apr 70
Dosimetric examinations of scattered gamma radiations. Bozóky L. Health Phys 20:467-73, May 71
A new 2-yr part time modular MSc course in health physics at the University of Salford. Brown B. Health Phys 20:663-5, Jun 71
Two British MSc courses in radiation protection. Brown B, et al. Health Phys 20:649-50, Jun 71
Derivation of working limits for continuous release rates of 129 I to atmosphere. Bryant PM. Health Phys 19:611-6, Nov 70
Simulating energy and angle distributions above infinite plane cobalt-60 sources. Burson ZG, et al. Health Phys 18:507-21, May 70
Radiation control in diagnostic roentgenology. Bushong SC. Health Phys 19:557-61, Oct 70
Health physics aspects of the decontamination of a high level activity cell line. Clayton RF, et al. Health Phys 20:153-65, Feb 71
Plowshare: new challenge for the health physicist. Cohen JJ. Health Phys 19:633-9, Nov 70
The biological problems in the radiological protection of workers exposed to 239 Pu. Dolphin GW. Health Phys 20:549-57, Jun 71
Quality factor--a sound concept. Dunster HJ. Health Phys 20:529-31, May 71
Thermoluminescence personnel dosimetry at Hanford. II. Energy dependence and application of TLD materials in operational health physics. Endres GW, et al. Health Phys 18:665-72, Jun 70
Comparative metabolism of radionuclides in mammals. V. Retention of 192Ir in the mouse, rat, monkey and dog. Furchner JE, et al. Health Phys 20:375-82, Apr 71
A simple means for reducing unnecessary patient dose in radiology departments. Goldberg RM. Health Phys 19:311, Aug 70
Radiological protection of workers exposed to airborne plutonium particulate. Holliday B, et al. Health Phys 18:529-40, May 70
Establishment of a university radiation safety office. Ice RD. Health Phys 20:444-7, Apr 71
Establishment of a university radiation safety office. Ice RD. Health Phys 20:444-6, Apr 71
Radiation protection considerations of overhead fluoroscopic installations. Jacobson A. Health Phys 20:55-8, Jan 71
A portable area monitor for gamma-rays. Jones AR. Health Phys 18:333-7, Apr 70
Development of a uranium mine research laboratory. Kaufman EL, et al. Health Phys 20:94-7, Jan 71
Impact of fuel reprocessing on the health physics profession. Keely RB, et al. Health Phys 20:143-51, Feb 71
Size determination of airborne plutonium particles by autoscintigraphy. Kelkar DN, et al. Health Phys 19:529-33, Oct 70
An automated system for rapid determination of half-value thickness. King RJ, et al. Health Phys 19:681-4, Nov 70
A thermoluminescent personnel neutron dosimeter. Korba A, et al. Health Phys 18:581-4, May 70
Report of a failure of a commercial x-ray diffraction shutter status system. LaMastra A, et al. Health Phys 20:639-40, Jun 71
Professional responsibilities of the health physicist in relation to the medical profession. Lindell B. Health Phys 20:475-83, May 71
Exposure rates from diagnostic x-ray units. McCullough EC, et al. Health Phys 20:443-4, Apr 71
The attenuation of 14 MeV neutrons in water. Marshall TO. Health Phys 19:571-4, Oct 70
Attenuation of 4-32 MV x-rays in ordinary concrete, heavy concrete, iron and lead. Maruyama T, et al. Health Phys 20:377-84, Mar 71
Experience with a low-cost chair-type detector system for the determination of radioactive body burdens of M.I.T. radiation workers. Massé FX, et al. Health Phys 19:27-35, Jul 70
Radiation emission from a television projection system. Matthews JD. Health Phys 18:541-5, May 70
Average exposure to radiation workers in Pakistan. Mirza KF, et al. Health Phys 18:569, May 70
Analysis of the records of American Board of Health Physics applicants. Moeller DW. Health Phys 20:505-15, May 71
Radiation effects in man: current views and prospects. Mole RH. Health Phys 20:485-90, May 71
A time of challenge to the health physicist. Morgan KZ. Health Phys 20:481-8, May 71
Radiation quantities and their significance in health physics--1 and 2. Neufeld J. Health Phys 19:253-79, Aug 70
Navy adopts Kodak Type 3 film for centralized photodosimetry program. Odor DL, et al. Health Phys 19:690-1, Nov 70
The neutron-shielding qualities of water-extended-polyesters. Oliver GD Jr, et al. Health Phys 19:578-80, Oct 70
"What quality factor"? Patterson HW, et al. Health Phys 20:517-27, May 71
Hazards of tritium from controlled fusion. Rose DJ. Health Phys 18:439-40, Apr 70
Mixed disciplines: a brief survey of educational problems. Simmons JA. Health Phys 19:324-5, Aug 70
Dose reduction factors of a "lead-lined" girdle. Smith RH, et al. Health Phys 19:830-2, Dec 70
Studies on major and trace element content in human tissues. Soman SD, et al. Health Phys 19:641-56, Nov 70
Pocket radiation dose integrator and monitor. Splichal WF Jr. Health Phys 19:692-3, Nov 70
AURPO survey of safety devices on x-ray crystallography-diffraction sets. Stern BE. Health Phys 20:358-60, Mar 71
A developmnetal scintillation counter for detection of plutonium in vivo. Swinth KL, et al. Health Phys 19:543-50, Oct 70
Radiation protection trends in the United States. Taylor LS. Health Phys 20:499-504, May 71
Radiological protection in the luminising industry. Vennart J. Health Phys 19:835-6, Dec 70
Computer program for maintaining radioactive source inventories. Wegst WF, et al. Health Phys 19:444-8, Sep 70
A new technique for reactor siting dose calculations. Willis CA, et al. Health Phys 19:47-54, Jul 70
Influence of incidence angle of monoenergetic neutrons on dose equivalent distribution for recoil nuclei in man's phantom. Zolotukhin VG, et al. Health Phys 20:205-12, Feb 71
In vitro radioprotection of mouse tail bones by dimethyl sulphoxide, glycerol and anoxia. Noel JF, et al. Int J Radiat Biol 18:301-9, 1970
Effect of bleeding after irradiation on survival of three strains of lethally-irradiated mice with different radiosensitivity. Sugahara T, et al. Int J Radiat Biol 18:395-7, 1970
The protective effect of hypoxia against repeated irradiation of mice. Vacek A, et al. Int J Radiat Biol 19:323-8, 1971
Podiatric x-ray protection for diagnostic applications. A report prepared by the Ad Hoc Committee on Podiatric X-Ray Protection, American Podiatry Association. J Am Podiatry Assoc 60:432-47, Nov 70
Effect of sodium chloride on the heat and radiation resistance and on the recovery of heated or irradiated spores of the genus bacillus. Briggs A, et al. J Appl Bacteriol 33:621-32, Dec 70
Criticality aspects at Eurochemic. Boesch T, et al. J Belge Radiol 51:297-301, 1968
Alberta's x-ray protection program: results of a survey of one hundred dental x-ray units. Wetherill JM. J Can Dent Assoc 36:370-2, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Fact and fiction about health and atomic power plants. Norwood WD. J Occup Med 13:199-204, Apr 71
Examination of a veterinary practice for radiation hazards. O'Riordan MC.
J Small Anim Pract 11:515-22, Aug 70
Radiation protection in a veterinary practice. Unwin DD. J Small Anim Pract 11:523-32, Aug 70
Medical uses of radiation. Walker JF.
JAMA 216:1348, 24 May 71
Protection against lethal effects of ultraviolet light on Escherichia coli by capsular polysaccharide. Donch J, et al. Mutat Res 10:153-5, Aug 70
Radiation safety. Wilcox FW.
Occup Health Nurs (NY) 18:14-7, Oct 70
Scattered radiation absorbers in intraoral radiography. Shawkat AH. Oral Surg 31:439-46, Mar 71
A unified approach to dosimetry problems in radiological protection. Burlin TE, et al.
Phys Med Biol 16:47-56, Jan 71
Radiation-protective clothing. Stott AN.
Proc R Soc Med 63:1015-6, Oct 70
Comparison of autologous marrow injection to shielding in lethal irradiation of the mouse. Carsten AL, et al. Proc Soc Exp Biol Med 137:948-51, Jul 71
Characterization and certification of health physics technicians. Kathren RL.
Radiol Health Data Rep 12:313-7, Jun 71
Surveys of radium contamination in aircraft instrument repair facilities 1966-1967. Schmidt GD, et al.
Radiol Health Data Rep 12:7-15, Jan 71
An acceptable gonadal shield. Brown RF, et al.
Radiology 99:265-9, May 71
The Radiation Control for Health and Safety Act of 1968. A radiologist's point of view. Friedell HL.
Radiology 99:584-8, Jun 71
Radiation protection around the medical cyclotron at Hammersmith Hospital. Jones T, et al.
Radiology 98:665-71, Mar 71
Why the 1968 Act for Radiation Control for Health and Safety is required. Morgan KZ.
Radiology 99:570-9, Jun 71
The Radiation Control for Health and Safety Act of 1968. Its impact on the radiologist and the States. Neel JN. Radiology 99:580-3, Jun 71
Evaluation of physician exposure during cardiac catheterization. Wold GJ, et al.
Radiology 99:188-90, Apr 71
Radiation standards: are the right people making decisions? Boffey PM. Science 171:780-3, 26 Feb 71
Standards. Forscher F. Science 172:632-3, 14 May 71
Nuclear reactor safety: a skeleton at the feast? Gillette R. Science 172:918-9, 28 May 71
Budgeting radiation exposure. Hull AP.
Science 172:896, 28 May 71
[The nuclear accident. (Emergency plan and urgent measures)] Renfer H.
Strahlenschutz Forsch Prax 11:96-100, 1971
X-ray hazards in practices. O'Riordan MC.
Vet Rec 87:640-3, 21 Nov 70
[II. Congress of the International Association of Radiation Protection (IRPA) in Brighton] Klener V.
Cas Lek Cesk 109:993-5, 9 Sep 70 (Cze)
[Radiobiological principles of radiation hygiene] Klener V. Cas Lek Cesk 109:966-8, 9 Sep 70 (Cze)
[Applications of thermo- and photo- luminescence to the field of radioprotection] Bernadou JM, et al.
Arch Mal Prof 31:663-8, Dec 70 (Fre)
[Protection of personnel exposed to ionizing radiation] Rosay J. Arch Mal Prof 30:635-8, Oct-Nov 69 (Fre)
[Development of ideas of radioprotection during the last 50 years] Recht P.
Brux Med 50:997-1002, Nov 70 (Fre)
[Recommendations concerning protection of patients and personnel in radio-diagnosis] Kayser P.
Bull Soc Sci Med Grand Duche Luxemb 105:71-7, Nov 68 (Fre)
[New general considerations on protection in medical radiodiagnosis or the general practitioner and radioprotection] Buchet R.
Cah Med 11:1297-301, 15 Dec 70 (Fre)
[Experimental study of curium-242 contamination and its treatment] Nenot JC, et al.
Health Phys 18:613-22, Jun 70 (Fre)
[What must be known about regulations for the transport of radioactive material] André G.
J Belge Radiol 53:397-404, Sep-Oct 70 (Fre)
[Radiologic aspects of the fabrication and utilization of radioactive lightning conductors] Delhove J.
J Belge Radiol 52:ii-vii, 1969 (Fre)
[Radioprotection dosimetry in X contact therapy] Garsou J. J Belge Radiol 52:23-6, 1969 (Fre)
[Adaptation of medical installations to radioprotection standards] Lejeune S.
J Belge Radiol 52:8-22, 1969 (Fre)
[Metabolism and toxicity of plutonium] Maisin JR.
J Belge Radiol 51:274-83, 1968 (Fre)
[General considerations on the prevention of critical accidents] Penelle G.
J Belge Radiol 51:291-6, 1968 (Fre)
[European cooperation in the field of radioprotection] Recht P. J Belge Radiol 53:230-6, 1970 (Fre)
[Delimitation of fields in complex regional irradiation in telecobalt therapy and particularly for hemolymphopathy] Roussel A, et al.
J Radiol Electrol Med Nucl 50:254-9, Mar-Apr 69 (Fre)
[Atomic protection in the military. A current mission of the Military Medical Service] Limouzin F.
Rev Corps Sante Armees 9:789-97, Dec 68 (Fre)
[Criteria and levels of action in atomic hygiene] Prat G, et al. Rev Corps Sante Armees 10:43-9, Feb 69 (Fre)
[The dentist and problems of radiation protection. Is individual dosimetric control justified?] Perrelet L.
Schweiz Monatsschr Zahnheilkd 78:70-3, Jan 68 (Fre)
[Topography of the ovaries in newborn and older infants with reference to radiation protection of the gonads in general radiography of the hip] Reck W, et al. Arch Kinderheilkd 183:134-40, Jul 71 (Ger)
[Concepts and nomenclature in radiologic technic: radiation protection] Frik W.
Fortschr Geb Roentgenstr Nuklearmed 112:546-56, Apr 70 (Ger)
[Protective shield for restriction of irradiation load on bladder and rectum in intravaginal radium insertions] Michalica W, et al.
Geburtshilfe Frauenheilkd 29:1115-9, Dec 69 (Ger)
[Radiation protection of children] Schuster W.
Hefte Unfallheilkd 102:173-8, 1970 (Ger)
[Radiation protection in atomic energy plants] Andres R, et al.
Lebensversicherungsmedizin 23:61-5, May 71 (Ger)
[The law of maternal protection applied to roentgen technicians] Frommhold W.
Med Welt 27:1267, 4 Jul 70 (Ger)
[Radiation injury and radiation protection. Injuries caused by ionizing radiation (with special reference to delayed injuries)] Fischer H.
Munch Med Wochenschr 112:591-5, 27 Mar 70 (56 ref.) (Ger)
[Potassium and Cs137 calibrations of the experimental whole body counter of the State Center for Radiation Protection of the German Democratic Republic] Poulheim KF.
Radiobiol Radiother (Berl) 11:713-28, 1970 (Ger)
[Possibilities of "teledosimetry" in radiation protection] Babor R. Radiologe 11:81-5, Feb 71 (Ger)
[Reduction of patient radiation dose in nuclear medicine using short-lived radionuclides] Börner W.
Radiologe 10:376-81, Sep 70 (Ger)
[Handling of radiation protection determinations in general practice] Drexler G.
Radiologe 11:75-7, Feb 71 (Ger)
[X-ray and gamma-ray shielding estimation using attenuation graduation] Göttel K.
Radiologe 10:386-90, Sep 70 (Ger)
[New measuring tecnnics in personal dosage control] Reguia D. Radiologe 11:78-81, Feb 71 (Ger)
[Influence of technical progress on the patient dose in radiography] Schott O.
Radiologe 10:353-7, Sep 70 (16 ref.) (Ger)
[Emergency plans for nuclear power stations] Courvoisier P.
Strahlenschutz Forsch Prax 11:11-4, 1971 (Ger)
[Safety measures from the viewpoint of measuring technics] Maushart R.
Strahlenschutz Forsch Prax 11:14-20, 1971 (Ger)
[Studies on protection against x-irradiation in hypothermia in rats] Brunner J, et al.
Strahlentherapie 140:553-6, Nov 70 (Ger)
[Neutron radiation protection on betatron] Eipper HH, et al. Strahlentherapie 140:286-90, Sep 70 (Ger)
[Radiation exposure in bronchography in childhood under the conditions of a picture-amplifying device] Stier M, et al.
Z Erkr Atmungsorgane 133:379-83, Dec 70 (Ger)
[Criteria for estimation of radiation protection situation in the contact therapy and its application in GDR-overview] Makedanz A.
Z Gesamte Hyg 16:751-60, Oct 70 (Ger)
[Prevention of carcinogenesis caused by radiations] Bottino S.
Atti Accad Fisiocrit Siena [Med Fis] 17:806-20, 1968 (Ita)
[The problem of gondal doses in social and preventive medical centers] di Renzo R.
Atti Accad Fisiocrit Siena [Med Fis] 17:1006-8, 1968 (Ita)
[Prevention of radiation risks in hospitals. I. Radioactive isotopes: characteristics and problems of protection] Dall'Acqua GF, et al.
Ig Mod 62:651-64, 1969 (Ita)
[Ecological study of the site of the Nuclear Research Center of Trisaia] Antonelli A, et al.
Minerva Fisiconucl 14:109-19, Jul-Sep 70 (Ita)
[Measurement of internal contamination at the ENEL Electronuclear plant of Garigliano] Antonucci L, et al.
Minerva Fisiconucl 14:101-3, Jul-Sep 70 (Ita)
[Protective considerations on the use of sources of Ir-192 in interstitial curie-therapy] Botturi M, et al.
Minerva Fisiconucl 14:70-3, Apr-Jun 70 (Ita)
[Intercalibration of dosimeters on film in Italian services of the personnel dosimetry] Busuoli G, et al.
Minerva Fisiconucl 15:33-7, Jan-Mar 71 (Ita)
[Protection of the personnel in special radiological rooms] Busuoli G, et al.
Minerva Fisiconucl 13:131-4, Apr-Jun 69 (Ita)
[On health protection in transportation of radioactive materials on railroad ferry boats] Cagnetti P, et al.
Minerva Fisiconucl 13:145-53, Apr-Jun 69 (Ita)
[Ionization dosimetry for mixed gamma-fast neutron doses] Daddi L, et al.
Minerva Fisiconucl 13:141-4, Apr-Jun 69 (Ita)
[Determination of the efficiency of scintillation crystals immersed in media uniformly contaminated by gamma emitters] De Franceschi L, et al.
Minerva Fisiconucl 13:165-72, Apr-Jun 69 (Ita)
[Implications in the matter of health protection in the basic nuclear law no. 1860, of 31 December 192 and of the DPR no. 1704, of 30 December 1965] Failla L, et al.
Minerva Fisiconucl 14:197-201, Oct-Dec 70 (Ita)
[The whole body counter of the ENEL Electronuclear plant of Garigliano] Farulla A, et al.
Minerva Fisiconucl 14:104-5, Jul-Sep 70 (Ita)
[Radiological protection in a general hospital] Garavaglia C.
Minerva Fisiconucl 13:125-30, Apr-Jun 69 (Ita)
[The possession of radioactive substances according to the current legislation: problems in the interpretation and applicability of the principal provisions of the DPR, no. 185, of 13 February 1964 and of the DM of 27 July 1966] Nocera F, et al.
Minerva Fisiconucl 14:186-9, Oct-Dec 70 (Ita)
[Procedures for authorization of nuclear plants in the light of experience acquired in the past 3-year period] Nocera F, et al.
Minerva Fisiconucl 13:160-4, Apr-Jun 69 (Ita)
[Use of radioisotopes in industrial plants regulated by article 55 of the radiation-protection law, No. 185, of 13 February 1964: observations on authorizations] Nocera F.
Minerva Fisiconucl 13:154-9, Apr-Jun 69 (Ita)
[Dosimetry of high-energy electron beams (12-32 MeV) with photoluminescent glass] Tosi G, et al.
Minerva Fisiconucl 13:135-40, Apr-Jun 69 (Ita)
[Ministerial Decree 14 July 1970. Determination of the values of total activity, of concentrations of radioactive nuclides and of intensities of doses of exposure below which the provisions of articles 91,92,93,94,98,102, and 105 of the Decree of the President of the Republic, 13 February 1964, No. 185, do not apply]
Minerva Fisiconucl 14:217-9, Oct-Dec 70 (Ita)
[Decree of the President of the Republic, 5 December 1969, No. 1303. Determination of the quantity of radioactivity, of specific activity or concentrations and of the intensity of doses of exposure subject to the prescriptions of the decree of the President of the Republic, 13 February 1964, No. 185]
Minerva Fisiconucl 14:215-7, Oct-Dec 70 (Ita)
[Indications, limitations and risks in radiological studies for routine periodical health check-ups] Benassi E. Minerva Med 62:1599-602, 18 Apr 71 (Ita)
[Indications, limitations and cautions in radiological examinations for routine periodical health check-ups] Benassi E, et al. Minerva Med 62:975-82, 7 Mar 71 (Ita)
[Importance, purpose and methods of early diagnosis of internal radioactive contamination of soldiers in battle] Pulcinelli M.
Minerva Med 61:3981-9, 19 Sep 70 (Ita)
[Measurements for reducing the absorbed dose of the patient in roentgen diagnosis] Torretta A, et al.
Minerva Med 62:782-3, 24 Feb 71 (Ita)
[Calculation of the dose in the use of protective grids] Granone FG, et al.
Minerva Radiol 15:36-7, Jan-Feb 70 (Ita)
[Histological findings in normal tissues irradiated under the protection of a grid] Ottolenghi G.
Minerva Radiol 14:277-93, Jul-Aug 69 (Ita)
[Physical monitoring in protection against ionizing radiations] Chierego G, et al.
Quad Radiol 35:203-10, 26 Oct 69 (Ita)
[Notes on individual dosimetric control with Li7F teflon disks] Barbina V, et al.
Radiol Med (Torino) 56:512-27, Jun 70 (Ita)
[Description of a dosimetric system with "film-badge" for protection of the personnel in the medical field] Belletti S. Radiol Med (Torino) 55:361-70, Apr 69 (Ita)
[Color television and X radiation] Fossati F.
Radiol Med (Torino) 56:385-93, May 70 (Ita)
[On protection from sources of ionizing radiations in a radiological service] Muscettola G, et al.
Radiol Med (Torino) 55:1041-60, 1 Nov 69 (Ita)
[Distribution of the exposure dosage in patients carrying radionuclides and related radio protective problems] Pompili G, et al.
Radiol Med (Torino) 55:671-9, Jul 69 (Ita)
[Practical solution of radiological protection of the ovaries during pelvic examination in children] Bruszewski J. Pol Przegl Radiol 35:237-47, 1971 (Pol)
[The possibility of increasing the protective effect of screening a portion of the bone marrow during irradiation of rats and mice] Shust VF.
Biull Eksp Biol Med 66:55-7, Nov 68 (Rus)
[Principles of hygienic assessment of methods of deactivation of surfaces] Gorodinskiĭ SM, et al.
Gig Sanit 35:45-8, Feb 70 (Rus)
[Radiation safety of the population in the region of atomic electric power stations] Kozlov VM, et al.
Gig Sanit 35:54-6, Apr 70 (Rus)
[Experience in organizing control over enterprises and institutions using radioactive substances and other

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sources of ionizing radiations] Leusenko EA, et al. Gig Sanit 36:93-4, 1971 (Rus)
[Radiation safety in the use of radioisotopic methods in machine construction] Liarskiĭ PP, et al. Gig Sanit 35:48-51, Sep 70 (Rus)
[Experience in solving basic problems of industrial hygiene in some areas of high-frequency welding] Fukalova PP. Gig Tr Prof Zabol 15:15-7, 1971 (Rus)
[Protection of dogs from the effect of ionizing radiation by screening a small part of the bone marrow] Bogatyrev AV, et al. Radiobiologiia 10:766-8, Sep-Oct 70 (Rus)
[A mask for protecting the physician's face in roentgenobronchological examinations] Astrankhantsev FA, et al. Vestn Rentgenol Radiol 45:73-4, May-Jun 70 (Rus)
[Advantages of the after-loading technics with Cs137 in gynecological curietherapy] Olivares MP, et al. Acta Oncol (Madr) 9:190-7, Jul-Dec 70 (Spa)
[Patient radiation protection in radiologic diagnosis. Presentation of a report from the international radiation protection commission] Larsson LE. Nord Med 85:159, 4 Feb 71 (Swe)
[Is a special radiation shielding around betatron laboratory necessary?] Persson JE, et al. Nord Med 84:1306, 8 Oct 70 (Swe)

EDUCATION

[The education of physicians in the area of radiation protection] Sitzlack G. Dtsch Gesundheitsw 25:1290-2, 6 Jul 70 (Ger)
[Education in radiation protection in medicine] Betz B, et al. Radiologe 10:391-5, Sep 70 (Ger)

HISTORY

The Society and x-ray protection. Ardran GM. Radiography 37:157-65, Jul 71
[12 years of radiation protection at a plutonium production center] Rodier J, et al. Arch Mal Prof 31:9-21, Jan-Feb 70 (Fre)
[Historic development of the knowledge on radiation injury and radiation protection in medical x-ray institutions during the last 75 years] Jaeger RG. Roentgenpraxis 23:298-305, Dec 70 (Ger)
[Historical outline about radiation injury and radiation protection. I] Ratkóczy N. Strahlentherapie 141:311-20, 1971 (Ger)
[History of radiation injury and radiation protection. II] Ratkóczy N. Strahlentherapie 141:425-38, Apr 71 (Ger)

INSTRUMENTATION

Melting pot for irregular shaped lead shot-thermoplastic shields. Maruyama Y, et al. Am J Roentgenol Radium Ther Nucl Med 112:766-7, Aug 71
A simple bolus mould for increasing surface dose with high energy beams. Scheele RV, et al. Am J Roentgenol Radium Ther Nucl Med 112:764-5, Aug 71
An improved safety system. Hartin WJ, et al. Health Phys 20:73-81, Jan 71
Radiation dose to the skin and gonads on volunteer subjects undergoing investigative Roentgenogrammetry, with a description of a new gonad protector. Jones PR. Hum Biol 43:7-15, Feb 71
Double shielding for radium operations. Pantoja E. Radiology 97:376, Nov 70
Comments on shielding by the lead shot method. Werner A. Radiology 96:190-1, Jan 71
A safety shutter for use on X-ray generators. Farnum EH. Rev Sci Instrum 42:309-11, Mar 71
A protective barrier for use with the strontium 90 ophthalmic beta-ray applicator. Ward RH, et al. Trans Am Acad Ophthalmol Otolaryngol 75:656-9, May-Jun 71

RADIATION-PROTECTIVE AGENTS (D13)

Utilization of a Trypanosoma equiperdum test in studies on the radioprotective action of endotoxin. Fóris G, et al. Acta Vet Acad Sci Hung 21:31-9, 1971
Survival of irradiated mice pretreated by dehydroepiandrosterone. Sonka J, et al. Agressologie 11:421-6, 1970
Radioactivity levels in the mouse organs following administration of tritiated 2-methyl-piperazine dithioformate, a new radioprotector. Vertua R, et al. Arzneim Forsch 21:551-3, Apr 71
Chemical protection against breaks induced in DNA of human and bacterial cells by x-irradiation. Lohman PH, et al. Biochim Biophys Acta 224:339-52, 14 Dec 70
Prosthetic groups as protectors of an enzyme against the action of ultraviolet light. Rosén CG, et al. Biochim Biophys Acta 236:1-7, 27 Apr 71
On the state of the progeny of lethally irradiated animals treated with prophylactic and therapeutic drugs. Dimitrov L, et al. Dokl Bolg Akad Nauk 22:839-42, 1969
Chemical radiation protection and the c AMP mechanism. Langendorff H, et al. Int J Radiat Biol 19:493-5, 1971
Terminal dicarboximido analogs of S-2-(omega-aminoalkylamino)-ethyl dihydrogen phosphorothioates and related compounds as potential antiradiation agents. 2. Succinimides, glutarimides, and cis-1,2-cyclohexanedicarboximides. Piper JR, et al. J Med Chem 14:350-4, Apr 71
Metal-binding abilities of radioprotective organic thiosulfates. Foye WO, et al. J Pharm Sci 60:151-3, Jan 71
Reaction of radioprotective amines with pyridoxal. Matsushima Y, et al. J Radiat Res (Tokyo) 12:37-9, Mar 71
Chemical radiation protection in man as revealed by chromosome aberrations in peripheral lymphocytes. Tanaka Y, et al. J Radiat Res (Tokyo) 11:166-8, Sep-Dec 70
Enhancement of the pre-irradiation action of TAB. Byron JW. Nature (Lond) 228:568-9, 7 Nov 70
The conformation of radioprotectant compounds. The crystal structures of 2-mercaptoethylamine hydrochloride and 3-mercaptopropylamine hydrochloride. Jandacek RJ, et al. Radiat Res 44:523-30, Nov 70
On the interaction between thymidylic acid and sulfhydrylamine radioprotectors. Pullman I, et al. Radiat Res 45:476-86, Mar 71
The radioprotective and therapeutic effects of imidazole and erythropoietin on the erythropoiesis and survival of irradiated mice. Vittorio PV, et al. Radiat Res 47:191-8, Jul 71
Effect of a stable free-radical on the survival of X-irradiated mice. Deby C, et al. Rev Eur Etud Clin Biol 15:678-82, Jun-Jul 70
Protection by phytohemagglutinin of human blood lymphocytes irradiated in vitro. Cirković D. Strahlentherapie 140:318-24, Sep 70
[Radioprotective properties of butyrophenone derivatives] Uray Z, et al. Agressologie 11:357-60, 1970 (Fre)
[Influence of drugs modifying the rate of depolymerization of a collagen gel on its radiosensitivity] Van Caneghem P, et al. C R Soc Biol (Paris) 164:910-3, 1970 (Fre)
[Radioprotective effect of corticoids] Kaufmann H. Arzneim Forsch 21:41-4, Jan 71 (Ger)
[Effect of food-juice of the queen bee (royal jelly) on the peripheral blood and the survival rate of mice after whole body x-irradiation] Wagner H, et al. Radiobiol Radiother (Berl) 11:323-8, 1970 (Ger)
[Experimental testing of a hypothesis for the interpretation of time factor effects] Kaufmann H. Strahlentherapie 140:296-301, Sep 70 (Ger)
[Mechanism of action of the radiation-resistance increasing substances] Langendorff H. Strahlentherapie 140:428-32, Oct 70 (Ger)
[Modification of the radiation reaction using Tanderil] Mühleisen H, et al. Strahlentherapie 139:707-12, Jun 70 (Ger)
[Experimental studies on the radiation protective effect of tryptamine. 2] Sturde HC, et al. Strahlentherapie 140:745-8, Dec 70 (Ger)
[Changes i the mitotic activity and the portion of single mitosis-phases of the bone marrow cells after x-ray irradiation and administration of chloroquine] Zák M. Strahlentherapie 139:587-92, May 70 (Ger)
[Resistance of DNA, RNA and poly (A+U) to heat denaturation in the presence of aminothiol radiation-protective agents] Bogolavienskaia NV. Biofizika 15:400-3, May-Jun 70 (Rus)
[The effect of enteral vaccination on the radioresistance of mice] Murav'eva LI. Biull Eksp Biol Med 65:44-6, May 68 (Rus)
[Cytochrome oxidase activity in the epithelium of villi of the jejunum in mice in radiation sickness and during the radioprotective action of cyanide] Strelina AV. Biull Eksp Biol Med 69:33-6, Mar 70 (Rus)
[Biological function of the melanopigment of Nadsoniella nigra var. Hesuelica cells and probable mechanisms of realizing this function] Ruban EL, et al. Izv Akad Nauk SSSR [Biol] 5:719-24, Sep-Oct 70 (Rus)
[Role of endogenous thiols in the radiosensitivity of mammals] Tu LS. Izv Akad Nauk SSSR [Biol] 2:212-20, Mar-Apr 71 (Rus)
[EPR study of the dynamics of melanin accumulation in Cladosporium sp] Zhdanova NN, et al. Izv Akad Nauk SSSR [Biol] 5:787-9, Sep-Oct 70 (Rus)
[Protective effect of a pigment isolated from Cladosporium] Zhdanova NN, et al. Mikrobiologiia 39:603-7, Jul-Aug 70 (Rus)
[Radiation-protective properties of o-acyl serotonin derivatives] Gorelova NV, et al. Radiobiologiia 10:758-61, Sep-Oct 70 (Rus)
[Modification of radiation injury during DNA synthesis inhibition] Gotlib VIa, et al. Radiobiologiia 11:163-9, Mar-Apr 71 (Rus)
[Oxygen tension kinetics in critical organs under the effects of mexamine in comparison with its radiation-protective effect] Iarmonenko SP, et al. Radiobiologiia 10:700-5, Sep-Oct 70 (Rus)
[Study of the radiation-protective effect of inositol during irradiation of E. coli B with heavy ions] Krasavin EA, et al. Radiobiologiia 11:249-52, Mar-Apr 71 (Rus)
[Effect of cystamine on changes in the quantity of dyspiastic hairs and nucleus-containing bone marrow cells in irradiated mice and rats] Lukashin BP. Radiobiologiia 11:212-6, Mar-Apr 71 (Rus)
[Calcium alginate as a protective agent in chronic dietary intake of strontium radioisotopes] Malkin PM, et al. Radiobiologiia 10:566-9, Jul-Aug 70 (Rus)
[Protective effect of biogenic amines in intestinal radiation syndrome] Ovakimov VG, et al. Radiobiologiia 10:561-5, Jul-Aug 70 (Rus)
[Effectiveness of radioprotectors during repeated irradiation] Sverdlov AG, et al. Radiobiologiia 11:288-92, Mar-Apr 71 (Rus)
[Dependence of the protective effect of cysteine on the moisture content of dormant pea seeds] Tsarapkin LS. Radiobiologiia 10:706-9, Sep-Oct 70 (Rus)
[Protective effect of adrenaline and acetylcholine in different forms of radiation death of mice] Yehkovskaia IB, et al. Radiobiologiia 10:914-6, Nov-Dec 70 (Rus)
[Effect of insulin on the functional state of some endocrine glands in rats irradiated on a 25 Mev betatron] Pegel' VA, et al. Vopr Med Khim 17:125-8, Mar-Apr 71 (Rus)
[Biological action of butylated hydroxytoluene (literature review)] Gor'kov VA, et al. Vopr Pitan 29:65-72, Jul-Aug 70 (57 ref.) (Rus)

ADMINISTRATION & DOSAGE

A contribution to the study of recovery processes in the haemopoietic tissue after irradiation: effect of intraperitoneal injection of milk upon haemopoietic stem cells, blood picture and survival of irradiated mice. Juráśková V. Folia Biol (Praha) 17:41-9, 1971
Dose reduction factor produced by intraperitoneal administration of phytohemagglutinin in mice. Stefani S, et al. Health Phys 19:19-21, Jul 70
Dose reduction factor for radiation lethality in mice as a function of the dose of mercaptoethylamine. Hasegawa AT, et al. Radiat Res 44:738-47, Dec 70
Biological factors affecting the radioprotective efficiency of S-2-[2-aminopropylamino] ethylphosphorothioic acid (WR-2721). LD50(3)) doses. Yuhas JM. Radiat Res 44:621-8, Dec 70
[Studies on biological radiation protection. 90. Radiation sensitivity of the mouse following pre-irradiation as well as following additional administration of radiation-resistance-increasing substances] Langendorff H, et al. Strahlentherapie 139:336-46, Mar 70 (Ger)
[New data in the field of chemical radioprotection. The use and effectiveness of combined radiation protective agents] Arghittu C. Minerva Med 61:3975-80, 19 Sep 70 (16 ref.) (Ita)

ANALYSIS

A field method for the determination of lead in glass used for shielding television receiver components. Levine H, et al. Am Ind Hyg Assoc J 31:633-6, Sep-Oct 70
The mechanism of "biochemical shock". I. The correlation between the accumulation of some thiol radioprotectors in rat tissues and biochemical changes induced by them. Filippovich IV, et al. Biochem Pharmacol 19:2533-40, Sep 70
[Chemical nature of biologically active phytolipopolysaccharides] Kadzhaia AS, et al. Dokl Akad Nauk SSSR 197:1432-4, 21 Apr 71 (Rus)

ANTAGONISTS & INHIBITORS

Inhibition of estrogen-induced radioprotection of placental nucleic acids and proteins by the antiestrogen clomiphene. Mitznegg P, et al. Life Sci [II] 9:815-20, 22 Jul 70
Attenuation of increased vascular permeability and toxicity of a radioprotective chemical mixture by chlorpromazine in mice. Hasegawa AT, et al. Radiat Res 45:364-72, Feb 71

CHEMICAL SYNTHESIS

Terminal dicarboximido analogs of S-2-(omega-aminoalkylamino)ethyl dihydrogen phosphorothioates and related compounds as potential antiradiation agents. 1. Phthalimides and saccharins. Piper JR, et al. J Med Chem 14:345-50, Apr 71
Antiradiation compounds. XIV. Dithiocarbamates of aminothiophenes. Foye WO, et al. J Pharm Sci 59:1348-50, Sep 70
[Radioprotective activity of the condensation products of glyoxylic acid and its esters with several amino-thiols] Jézéquel EJ, et al. C R Acad Sci [D] (Paris) 272:2826-7, 2 Jun 71 (Fre)

METABOLISM

Radiobiolgoical and biochemical studies of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thiophosphate radioprotective compounds related to cysteamine. Harris JW, et al.
Radiat Res 46:362-79, May 71

[Absorption of cystaphos from the gastrointestinal tract and its excretion with urine] Titov AV.
Farmakol Toksikol 34:330-3, May-Jun 71 (Rus)

[Transformation of cystaphos in the mouse organism] Titov AV, et al.
Vopr Med Khim 17:61-5, Jan-Feb 71 (Rus)

PHARMACODYNAMICS

A study on the radioprotective property of thiourea against radiation-induced chromosome damage. Reddy SB. Can J Genet Cytol 12:685-8, Dec 70

The effect of ionizing radiation on haemolytic plaques-forming spleen cells upon using certain chemical radioprotectors. Soumerska T.
Doki Bolg Akad Nauk 22:105-8, 1969

On the mechanism of modification of radiation effect by dimethyl sulfoxide. Hagemann RF, et al.
Experientia 27:319-21, 15 Mar 71

Sensitivity of Artemia eggs to -irradiation. IX. A correlation between radiation-induced free radicals and hatchability in eggs exposed to -mercaptoethylamine. Iwasaki T.
Int J Radiat Biol 20:39-47, 1971

Further studies on protection of DNA against ionizing radiation. Kollmann G, et al.
Int J Radiat Biol 18:587-94, 1970

The effect of dimethyl sulphoxide on the radiation response of the rough-skinned newt (Taricha granulosa). Lappenbusch WL, et al.
Int J Radiat Biol 18:217-33, 1970

The effect of some radioprotective substances on the redox equilibrium in the spleen. Mustea I, et al.
Int J Radiat Biol 19:281-6, 1971

Protection against x-irradiation employing cysteamine derivatives in tissue culture and in mice. Vos O, et al.
Int J Radiat Biol 18:111-26, 1970

Dimethyl sulfoxide protection of bone marrow cells of mice against x-ray damage. Zinberg N, et al.
Isr J Med Sci 7:713-8, Jun 71

Dimethyl sulfoxide protection of HeLa cells against ionizing radiation during the growth cycle. Zinberg N, et al. Isr J Med Sci 7:719-23, Jun 71

N-substituted aminoethanethiols and N-substituted aminoethanethiol S-sulfonic acids as radioprotective agents. Carroll FI, et al. J Pharm Sci 59:1350-2, Sep 70

Effect of Tween 80 on strand breaks of Escherichia coli DNA irradiated in situ. Titani Y, et al.
J Radiat Res (Tokyo) 11:92-7, Jun 70

Protection of irradiated lambda phage by methylated proflavine. Jaffe-Brachet A.
Mol Gen Genet 110:374-7, 1971

Structure-function studies of the aminothiol radioprotectants. Effect of carbon chain length in mercaptoethylamine homologs--mammalian radioprotection. Grenan MM, et al.
Radiat Res 47:387-91, Aug 71

Modification of radiation effect on the eye by topical application of dimethyl sulfoxide. Hagemann RF, et al. Radiat Res 44:368-78, Nov 70

On the mechanism of radioprotective action of dimethyl sulfoxide. Lappenbusch WL.
Radiat Res 46:279-89, May 71

Gradual development of radioprotection in HeLa S3 cells during treatment with beta-mercaptoethylguanidine. Sato F, et al.
Radiat Res 44:660-9, Dec 70

A cytological study of bone marrow and peripheral blood of irradiated and nonirradiated mice treated with 19S alpha-2 globulin (alpha-2-MG). Sontag JM, et al. Radiat Res 45:511-21, Mar 71

Structure-function studies of the aminothiol radioprotectants. The effect of carbon chain length in mercaptoethylamine homologs. Swartz HM, et al.
Radiat Res 45:542-56, Mar 71

Effects of radioprotective aminothiols in vivo on the sedimentability of mitochondria. Thomson JF, et al.
Radiat Res 45:629-44, Mar 71

The effect of erythropoietin in combination with radioprotective agents on erythropoietic recovery and survival in irradiated mice. Vittorio PV, et al.
Radiat Res 44:434-45, Nov 70

Cardiovascular responses to radioprotective compounds in rats. Wang RI, et al.
Radiat Res 45:355-63, Feb 71

Radioprotective activity of some sulphur analogues of tryptophol and 5-hydroxytryptamine. Deanovic Z, et al. Strahlentherapie 140:749-52, Dec 70

Skin allograft survival in mice after radioprotection with sodium S-(2-aminoethyl) phosphorothioate and supralethal total body X-irradiation. Saltzstein EC, et al. Transplantation 10:451-3, Nov 70

[New possibilities of chemical radioprotection] Danysz A. Actual Pharmacol (Paris) 22:233-59, 1969 (Fre)

[Cause of differential radiosensitivity of early cleavage stages in Drosophila melanogaster] Matter BE.
Mutat Res 10:567-82, Dec 70 (Ger)

[The cyclic AMP function in effects of radiation protective agents] Langendorff H.
Naturwissenschaften 57:455, Sep 70 (Ger)

[Effect of single structural components of bacterial lipopolysaccharides on radiosensitivity of the mouse] Langendorff H, et al.
Strahlentherapie 141:457-63, Apr 71 (Ger)

[In vitro studies on the radioprotective effects of melanin on mammalian cells] Prévôt H Jr, et al.
Strahlentherapie 140:753-6, Dec 70 (Ger)

[The effects of chemical protection against radiation as reflected by aberrations of the chromosomes in the bone-marrow of mice after exposure to x-rays] Padeh B, et al. Harefuah 77:392-5, 2 Nov 69 (Heb)

[Volume dose leucocyte reduction rate. On the effect of the chemical radioprotector (inosine and coenzyme B12) for radiation leucopenia] Asakawa H.
Nippon Acta Radiol 30:811-3, Dec 70 (Jap)

[Acridine dyes as efficient regulators of photochemical reactions in nucleic acids] Zavil'gel'skif GB, et al.
Biofizika 14:34-42, Jan-Feb 69 (Rus)

[Binding of beta-mercaptoethylamine S35 (MEA-S35) by cytoplasmic and karyolymph proteins of rat thymus cells in vivo] Filippovich IV, et al.
Dokl Akad Nauk SSSR 195:225-8, 1970 (Rus)

[Variation in the lethal effect of irradiation using chemical compounds under conditions of cell cultivation outside the organism] Gotlib VIa, et al.
Dokl Akad Nauk SSSR 192:1367-70, Jun 70 (Rus)

[Changes in the frequency of chromosome reorganization in irradiated plants under the influence of gibberellin] Kriukova LM, et al.
Dokl Akad Nauk SSSR 187:453-5, 11 Jul 69 (Rus)

[Effect of phytohormones on the dynamics of nucleic acids in developing spikes of irradiated barley plants] Zabolotskif NN, et al.
Dokl Akad Nauk SSSR 192:1371-3, Jun 70 (Rus)

[Pharmacology of some derivatives of indole and benzofuran] Il'iuchenok TIu, et al.
Farmakol Toksikol 33:576-81, Sep-Oct 70 (Rus)

[Effect of alginic acid on deposition of Sr90 and Ca45 in their prolonged intake into the organism] Dolmatova MIu, et al. Gig Sanit 35:40-3, Mar 70 (Rus)

[The effect of various radioprotectors on processes involved in the lysogenization of bacteria and the induction of intracellular lambda-exonuclease] Rybakov NI, et al.
Izv Akad Nauk SSSR [Biol] 1:38-42, Jan-Feb 70 (Rus)

[Study of the radioprotective properties of dibromhydrate of BIS(2-aminoethyl)disulfide in the range of long-wave x-ray irradiation] Kuznetsova LA, et al. Med Radiol (Mosk) 15:7-11, Dec 70 (Rus)

[Radiation-protective action of sodium hydrosulfite and metabisulfite] Faleeva ZN.
Radiobiologiia 9:766-9, Sep-Oct 69 (Rus)

[Effect of radioprotective agents on several biochemical indices of the animals correlating with the radiosensitivity of the animals] Graevskaia BM, et al. Radiobiologiia 10:750-2, Sep-Oct 70 (Rus)

[Toxicity and radiation protective action of certain ammonium and sulfur compounds] Kostiukovskif IaL, et al. Radiobiologiia 11:141-4, Jan-Feb 71 (Rus)

[Effect of radioprotectors on catecholamine levels in mouse tissues] Kulinskif VI, et al.
Radiobiologiia 10:596-9, Jul-Aug 70 (Rus)

[Biochemico-pharmacological analysis and potentiation of the radiation protection effect of aminothiols in the intestinal form of acute radiation sickness] Kulinskif VI. Radiobiologiia 11:86-91, Jan-Feb 71 (Rus)

[Study of penetration of certain radiation-protective agents into the retina and their effect on the bioelectric activity of the eye] Pushkareva TV, et al.
Radiobiologiia 9:711-4, Sep-Oct 69 (Rus)

[Chemical protection from damage by neutrons] Sverdiov AG, et al.
Radiobiologiia 9:706-10, Sep-Oct 69 (Rus)

[Characteristics of the formation of endogenous colonies of hematopoietic tissue in spleen of irradiated lines (CC 57 W) and non-pedigree mice subjected to radioprotectors and the significance of the dose of the latter] Zherebchenko PG, et al.
Radiobiologiia 10:522-6, Jul-Aug 70 (Rus)

[Dependence of hypothermic reaction on the toxicity of radiation-protective agents and the role of hypothermia in their radiation-protective action] Zherebchenko PG, et al.
Radiobiologiia 9:701-5, Sep-Oct 69 (Rus)

[The effect of sulfhydryl protector and radiosensitizer on deoxycytidine formation in rat thymus tissue] Sheremet'evskaia TN, et al.
Vopr Med Khim 16:437-40, Jul-Aug 70 (Rus)

[Inactivation of bacteriophage d-phi-4 infectious DNA with ultraviolet rays and its protection with acridine dyes] Roinishvili ES.
Zh Mikrobiol Epidemiol Immunobiol 47:133-7, Aug 70 (Rus)

THERAPEUTIC USE

Experimental study of agents protecting the skin against acute radiation ulceration. Chaudhuri SK, et al. Indian J Med Res 58:1413-20, Oct 70

Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x-radiation. Maisin JR, et al.
Int J Radiat Biol 19:297-9, 1971

Protection of skin from germicidal ultraviolet radiation in the operating room by topical chemicals. Parrish JA, et al. N Engl J Med 284:1257-8, 3 Jun 71

Protective effect of cysteamine on the teratogenic action of X-rays in golden hamster. Preliminary report. Kulig A, et al. Pol Med J 8:902-8, 1969

Radiation survival: Improved rates following chlortetracycline administration. Adamson IY, et al.
Radiat Res 44:478-83, Nov 70

The therapeutic effect of 2-amino-4-hydroxy-6-(1',2',3',4'-tetrahydroxybutyl)-5,6,7,8-tetrahydropteridine in x-irradiated mice. Sonka J, et al. Radiat Res 45:536-41, Mar 71

Chemical protection of the mouse against radiation-induced life shortening. Storer JB.
Radiat Res 47:537-47, Aug 71

[Experimental contaminations with americium solutions and their treatment] Nénot JC, et al.
Health Phys 20:383-91, Apr 71 (Fre)

[Studies on the reduction of the radiotherapy load in female patients with tumors] Kellner G, et al.
Osterr Z Erforsch Bekaempf Krebskr 26:180-91, 1971 (Ger)

[The effectiveness of benzidamine chlorhydrate (Tantum) alone and combined with tetracycline (Tantum Biotic) in radiotherapy] Cascelli G.
Nunt Radiol 35:161-79, Feb 69 (Ita)

[Experimental study of the effect of chemical protective agent to the postirradiation bladder damage] Ito Y.
Nippon Acta Radiol 31:143-51, 1971 (Jap)

[The radioprotective effect of adenosine triphosphoric acid sodium salt in experiments on mice] Rogozkin VD, et al. Biull Eksp Biol Med 66:64-7, 1968 (Rus)

[Role of endogenous histamine in the protective effect of radiation-protective agents] Goncharenko EN, et al. Dokl Akad Nauk SSSR 191:948-50, 1970 (Rus)

[Depression of endogenous radiation-sensitizing agents--lipid toxic substances--as one of the mechanisms of radiation protection] Kudriashov IuB, et al. Dokl Akad Nauk SSSR 195:206-8, 1970 (Rus)

[Effect of increased atmospheric pressure on the protective efficiency of some radioprotectors] Sverdiov AG, et al.
Dokl Akad Nauk SSSR 196:220-2, Jan-Feb 71 (Rus)

[Toxicity and radiation-protective properties of dextran derivatives containing serotonin] Chernov GA, et al.
Farmakol Toksikol 34:328-30, May-Jun 71 (Rus)

[Effect of radiation and radiation-protective agents on the alkaline phosphatase activity in the small intestine mucosa and surface] Gavrilov RI, et al.
Radiobiologiia 10:903-6, Nov-Dec 70 (Rus)

[Role of catecholamine depots and alpha-adrenoreceptors in the radiation-protective effect of hydroxyphenylethanolamines] Kulinskif VI.
Radiobiologiia 10:887-91, Nov-Dec 70 (Rus)

[Differences in the effects of radiation-protective sympathomimetics on oxygen tension in the spleen] Kulinskif VI.
Radiobiologiia 10:910-3, Nov-Dec 70 (Rus)

[Role of antiradiation agents in the formation of the biochemical basis of radiation resistance] Goncharenko EN.
Zh Obshch Biol 32:13-26, Jan-Feb 71 (Rus)

[Increased tolerance of the mucous membrane during irradiation of the oral cavity by use of depot padutin] Velkov K. God Zb Med Fak Skopje 16:385-9, 1970 (Ser)

TOXICITY

Attenuation of increased vascular permeability and toxicity of a radioprotective chemical mixture by chlorpromazine in mice. Hasegawa AT, et al.
Radiat Res 45:364-72, Feb 71

Biological factors affecting the radioprotective efficiency of S-2-[2-aminopropylamino] ethylphosphorothioic acid (WR-2721). LD50(3)) doses. Yuhas JM. Radiat Res 44:621-8, Dec 70

Biological factors affecting the radioprotective efficiency of S-2-[3-aminopropylamino]ethylphosphorothioic acid (WR-2721): LD 50(7) doses. Yuhas JM.
Radiat Res 47:526-9, Aug 71

[Dependence of hypothermic reaction on the toxicity of radiation-protective agents and the role of hypothermia in their radiation-protective action] Zherebchenko PG, et al.
Radiobiologiia 9:701-5, Sep-Oct 69 (Rus)

URINE

[Effect of ionizing radiation on the excretion of radioprotective agents by urine in rats] Golubentsev DA, et al.
Farmakol Toksikol 33:607-10, Sep-Oct 70 (Rus)

RADIATION-SENSITIZING AGENTS (D13)

The influence of oxygen on the E.S.R. spectrum of a radiosensitizing nitroxide. Hoff AJ, et al.
Int J Radiat Biol 19:499-501, 1971

Radio-sensitization with extra-cellular halogenated

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

purines and pyrimidines and related compounds. Kada T, et al. Int J Radiat Biol 18:281-5, 1970
Comment: radiosensitization and the selective effect. Rubin P. JAMA 217:952-3, 16 Aug 71
On the mechnaism of radiosensitization by 5-bromouracil. The occurrence of DNA strand breaks in U.V.-irradiated phage T4 as influenced by cysteamine. Hotz G, et al. Photochem Photobiol 12:207-18, Sep 70
ESR-studies of the mechanism of radiosensitization. Action of N-ethylmaleimide on irradiated sulfhydryl compounds, irradiated DNA, and irradiated nucleotides. Farcasiu M, et al. Radiat Res 46:415-27, Jun 71
[Investigations on the radiosensitivity of malignant lumbar-aortic and pelvic adenopathies by lymphography] Douchez J, et al. J Radiol Electrol Med Nucl 51:743-7, Dec 70 (Fre)
[Radiation-sensitizing effect of bivalent iron ions] Gaziev AI, et al. Radiobiologiia 10:761-4, Sep-Oct 70 (Rus)
[Modification of radiation injury during DNA synthesis inhibition] Gotlib VIa, et al. Radiobiologiia 11:163-9, Mar-Apr 71 (Rus)

ADMINISTRATION & DOSAGE

Preferential radiosensitization of mouse sarcoma relative to normal skin by chronic intra-arterial infusion of halogenated pyrimidine analogs. Brown JM, et al. J Natl Cancer Inst 47:75-89, Jul 71
[Chemotherapy of metastatic brain tumors, with special reference to continuous intracranial infusion of mitomycin C and a radiosensitizer, BUdR] Takakura K. Jap J Cancer Clin 17:263-8, Apr 71 (Jap)

PHARMACODYNAMICS

Role of bacterial membranes in radiosensitization. Shenoy MA, et al. Adv Biol Med Phys 13:255-71, 1970 (47 ref.)
Sensitization of damage by ultra-violet light to mammalian erythrocyte membrane. Ortu-Busellu MA. Ann Ist Super Sanita 6:302-9, 1970
Comparison of the effects of some iodine compounds on the survival of Escherichia coli B-r irradiated with X rays and ultra-violet light. Sapora O. Ann Ist Super Sanita 6:293-301, 1970
Studies on the anti-tumour activity of aliphatic aldehydes. IV. Radiosensitizing properties of L-erythro-alpha, beta-dihydroxybutyraldehyde on E. coli B and Ehrlich ascites tumour cells. Ciaranfi E, et al. Eur J Cancer 7:17-24, Feb 71
On the mechanism of modification of radiation effect by dimethyl sulfoxide. Hagemann RF, et al. Experientia 27:319-21, 15 Mar 71
A possible steric factor in the sensitization of anoxic bacteria to x-rays by N-oxyl radicals. Emmerson PT, et al. Int J Radiat Biol 19:229-35, 1971
The chemical inhibition of the repair of single-strand breaks in DNA: post-irradiation sensitization to x-rays. Kapp DS, et al. Int J Radiat Biol 19:255-62, 1971
DNA repair in E. coli B-r after x-irradiation in the presence of iodide or iodoacetamide. Myers DK. Int J Radiat Biol 19:293-5, 1971
Radiosensitization with iodine compounds. 3. Macromolecular synthesis and repair in Bacillus subtilis irradiated in the presence of iodoacetic acid, potassium iodide or potassium iodate. Noguti T, et al. Int J Radiat Biol 19:305-22, 1971
Mechanism of the inhibition of germination of bacterial spores by gamma-irradiation in the presence of iodoacetamide and iodate. Gould GW. J Gen Microbiol 64:301-9, Dec 70
Potentiation by halogen compounds of the lethal action of gamma-radiation on spores of Bacillus cereus. Gould GW. J Gen Microbiol 64:289-300, Dec 70
Evaluation of the phototoxic potential of topically applied agents using long-wave ultraviolet light. Stott CW, et al. J Invest Dermatol 55:335-8, Nov 70
Growth inhibition and radiosensitization of 5-fluorouracil in culture of HeLa cells. Moriki T. Mie Med J 19:263-75, Jan 70
Modification of radiosensitivity of Ehrlich ascites carcinoma cells "in vivo". II. Sensitizing ability of sulfhydryl-binding agents to hypoxic tumor cells. Tanaka N, et al. Nippon Acta Radiol 30:6-11, Jan 71
Potentiation of x-ray killing by 5-bromodeoxyuridine in Chinese hamster cells: a reduction in capacity for subiethal damage accumulation. Shipley WU, et al. Radiat Res 47:437-49, Aug 71
[Effect of 6-azauridine on the labelling index and mean grain count of 3H-thymidine-incubated Ehrlich carcinoma ascites cells] Magdon E, et al. Arch Geschwulstforsch 36:247-52, 1970 (Ger)
[Chemical sensitation to radiation damage in rat embryos] Michel C. Arch Julius Klaus Stift Vererbungsforsch 43:177-203, 1968 (Ger)
[Biological and clinical approach to the problem of tumor radiosensitivity] Oliva L, et al. Tumori 56:207-22, Jul-Aug 70 (Ita)
[Mechanism of the radiation-sensitizing action of N-ethylmaleimide] Tarasenko AG, et al. Dokl Akad Nauk SSSR 193:1406-8, 1970 (Rus)
[The effect of sulfhydryl protector and radiosensitizer on deoxycytidine formation in rat thymus tissue] Sheremet'evskaia TN, et al. Vopr Med Khim 16:437-40, Jul-Aug 70 (Rus)
[Study of chemical radiosensitivity at the cellular level with halogenated imidazolidines] Alvarez MV, et al. Arch Inst Farmacol Exp (Madr) 21:101-5, 1969 (Spa)
[Phenols and quinone type radiosensitization] Ramos Avila EL. Arch Inst Farmacol Exp (Madr) 21:89-100, 1969 (Spa)

THERAPEUTIC USE

Hydroxyurea and radiation therapy in advanced neoplasms of the head and neck. Rominger CJ. Am J Roentgenol Radium Ther Nucl Med 111:103-8, Jan 71
[Effect of BAR therapy in a case of malignant glioma with extracranial metastasis] Kanno T, et al. Brain Nerve (Tokyo) 22:1187-91, Oct 70 (Jap)

RADIATION SICKNESS see under RADIATION INJURY (C14)

RADIATION SYNDROME see under RADIATION INJURY (C14)

RADICAL NECK DISSECTION (E4)

Delayed exposed grafting following reconstructive procedures in head and neck cancer. Jackson IT. Acta Chir Plast (Praha) 13:16-24, 1971
Cancer of the oral cavity. Is elective neck dissection beneficial? Jesse RH, et al. Am J Surg 120:505-8, Oct 70
The role of surgery in tuberculous lymphadenitis in adults. Byrd RB, et al. Am Rev Resp Dis 103:816-20, Jun 71
Anesthesia for hemimandibulectomy with radical neck dissection. Gupte SR, et al. Anesth Analg (Cleve) 49:756-60, Sep-Oct 70
Functional and radical neck dissection. An experimental study. Dayal VS, et al. Arch Otolaryngol 93:413-5, Apr 71
Radical neck dissection. Evaluation of 230 consecutive cases. Krause LG, et al. Arch Otolaryngol 94:153-7, Aug 71
Evolution of clinically negative neck. Squamous cell carcinoma of oral cavity and faucial arch. Jesse RH, et al. JAMA 217:453, 26 Jul 71
Cancer of the head and neck. Oral cavity: neck nodes. Rubin P. JAMA 217:451-2, 26 Jul 71
Comment: the conversion ratio as a basis for elective neck node therapy. Rubin P. JAMA 217:463-5, 26 Jul 71
Elective neck dissection for intraoral cancer. Southwick HW. JAMA 217:454-5, 26 Jul 71
Elective neck dissection--1970. Reed GF, et al. Laryngoscope 80:1292-304, Aug 70
The value of radical neck dissection in the treatment of cancer of the head and neck. Beahrs OH. S Afr J Surg 8:5-12, 1970
[Block neck dissection] Droppa J. Cesk Otolaryngol 20:112-6, Jun 71 (Cze)
[Replacement of the mucosa in buccal defects caused by neoplasms] Grimm G, et al. Fortschr Kiefer Gesichtschir 13:112-7, 1968 (Ger)
[Partial replacement of the carotid artery by an autograft from the hypogastric artery in advanced metastatic lymph node carcinoma of the neck] Hoffmann E, et al. Fortschr Kiefer Gesichtschir 13:78-85, 1968 (Ger)
[Intra-operative and postoperative complications in the radical excision of the lateral neck lymph nodes] Metz HJ. Fortschr Kiefer Gesichtschir 13:86-91, 1968 (Ger)
[Surgical treatment of tonsillar carcinomas] Naumann HH. Fortschr Kiefer Gesichtschir 13:71-7, 1968 (Ger)
[Surgery of mandibular carcinomas with special reference to the resection of the regional lymph nodes] Rehrmann A, et al. Fortschr Kiefer Gesichtschir 13:56-62, 1968 (Ger)
[Surgery of carcinomas of the tongue and the floor of the mouth] Schröder F. Fortschr Kiefer Gesichtschir 13:125-30, 1968 (Ger)
[Neck dissection of isolated Hodgkin's disease of the neck] Selle G, et al. Fortschr Kiefer Gesichtschir 14:235-40, 1970 (Ger)
[Surgery of buccal carcinomas] Zehm S. Fortschr Kiefer Gesichtschir 13:107-11, 1968 (Ger)
[Evaluation of usefulness of radical neck dissection by total laryngectomy for intrinsic laryngeal carcinoma] Molinari R, et al. Clin Otorinolaringoiatr 21:389-410, Nov-Dec 69 (Ita)
[Pathogenesis of recurrent metastasis on the operative field after radical neck dissection for oropharyngeal carcinoma] Molinari R, et al. Tumori 55:371-85, Nov-Dec 69 (Ita)
[Cervicofacial incision for the radical dissection of the neck] Samengo LA. Prensa Med Argent 57:1181-2, 14 Aug 70 (Spa)

ADVERSE EFFECTS

Changes in the sternoclavicular joint following radical neck dissection. Gorman JB, et al. Am J Roentgenol Radium Ther Nucl Med 111:584-7, Mar 71
Cricopharyngeal myotomy. Application and technique in major oral-pharyngeal resections. Mladick RA, et al. Arch Surg 102:1-5, Jan 71
Classification of pharyngostomes: a guideline for closure. Bellinger CG. Plast Reconstr Surg 47:54-60, Jan 71
[Morbidity in radical neck dissection performed after irradiation] Jortay A, et al. Bull Cancer (Paris) 56:197-212, Apr-Jun 69 (Fre)
[A common carotid-internal carotid saphenous vein bridging (apropos of a case handled as an emergency)] Fouiquier A, et al. Rev Laryngol Otol Rhinol (Bord) 92:359-64, May-Jun 71 (Fre)
[Experimental and clinical studies of tissue damage in combination neck dissection and radiotherapy] Weiss P. Fortschr Kiefer Gesichtschir 13:177-84, 1968 (Ger)

RADICULAR CYST (C2, C4)

Periapical lesions and residual dental cysts. Oehlers FA. Br J Oral Surg 8:103-13, Nov 70
Cysts. Small EW. Dent Clin North Am 15:389-98, Apr 71
Bilateral radicular cysts of the maxilla. Bacchi JG. Dent Dig 77:86-8, Feb 71
Conservative treatment of a large radicular cyst: report of case. Harris WE. J Am Dent Assoc 82:1390-4, Jun 71
Abbreviated case report. An unusual maxillary cyst. Vickery IM, et al. Oral Surg 31:328-30, Mar 71

COMPLICATIONS

[Treatment of maxillary cysts which invade the adjacent cavities] Garcia Perla A. An Esp Odontoestomatol 30:5-11, Jan-Feb 71 (Spa)

ETIOLOGY

[Pathogenesis of radicular cysts] Valderhaug JP. Nor Tannlaegeforen Tid 81:265-74, Apr 71 (30 ref.) (Nor)

PATHOLOGY

[Submicroscopic structure of the epithelium of dental cysts] Hornova J, et al. Bull Group Int Rech Sci Stomatol 14:27-43, Jan 71 (Fre)

RADIOGRAPHY

Single periapical radiopacities. Elfenbaum A. Dent Dig 77:470-8, Aug 71
Dentigerous or periapical cyst? Nelson JF. Oral Surg 32:334, Aug 71
[Radiography in diagnosis of mandibular cysts of dental origin] Haag R, et al. J Radiol Electrol Med Nucl 50:951-3, Dec 69 (Fre)
[Diagnosis and conservative treatment of radicular cysts] Seidner S. Schweiz Monatsschr Zahnheilkd 78:75-7, Jan 68 (Ger)

SURGERY

Surgical injury of the inferior alveolar nerve: report of a case. Rio-Leon H. Dent Dig 77:148-52, Mar 71

THERAPY

[Diagnosis and conservative treatment of radicular cysts] Seidner S. Schweiz Monatsschr Zahnheilkd 78:75-7, Jan 68 (Ger)

RADICULITIS (C10)

[Diagnosis and treatment of the capitulum fibulae syndrome. Role of the fibula in etiopathogenesis of calf cramps and pains during recovery from radicular syndromes affecting legs] Rychlíková E. Cesk Neurol 34:130-7, May 71 (Cze)
[Characteristics of lumbosacral radiculitis in members of tank crews] Zagorodnyĭ AP. Voen Med Zh 9:59-60, Sep 70 (Rus)

CHEMICALLY INDUCED

[Iatrogenic arsenic meningo-myelo-radiculo-neuritis] Schmitt J, et al. Rev Otoneuroophtalmol 41:458-61, Dec 69 (Fre)

COMPLICATIONS

[Mechanical neuritis of the rami dorsales and hernia of the adipose tissue as etiologic factor in acute and chronic backache] Richter HR. Praxis 59:910-4, 23 Jun 70 (Ger)
[Atypical measles accompanying radiculitis] Seki T, et al. Acta Paediatr Jap 75:251-4, Apr 71 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DIAGNOSIS

[Diagnostic value of local and segmentary-radicular leukocytosis in lumbosacral radiculitis in expert evaluation of disability] Farber MA, et al. Klin Med (Mosk) 47:108-11, Sep 69 (Rus)
[A method of deep baralgesimetry in lumbosacral radiculitis] Naftberg IaM. Vrach Delo 119-20, Jan 71 (Rus)

DRUG THERAPY

[On the effect of nicotinyl alcohol, alone or associated with other drugs, in the treatment of radicular syndromes not due to mechanical compression] Cuscani R, et al. Minerva Ortop 20:347-50, Jul-Aug 69 (Ita)
[Therapeutic trials of a new drug association (corticoids, phosphoryicholamine and vitamins) in some forms of spastic paraparesis] Cazzola G, et al. Riv Neurobiol 15:235-58, Apr-Jun 69 (Ita)
[Clinical evaluation of Indocid in treatment of acute painful syndromes of radicular origin] Wasilewski R, et al. Pol Tyg Lek 26:648-9, 26 Apr 71 (Pol)
[Novocaine and lidocaine blockade in diseases of autonomic origin] Rudik VP. Eksp Khir Anesteziol 15:68-70, Nov-Dec 70 (Rus)
[Effectiveness of hydrocortisone phonophoresis in the complex treatment of lumbosacral radiculitis] Garber IM. Vopr Kurortol Fizioter Lech Fiz Kult 36:83-4, 1971 (Rus)
[Clinical significance of rheography of the lower extremities in patients with lumbosacral radiculitis during therapy with hydrocortisone phonophoresis] Garber IM. Zh Nevropatol Psikhiatr 70:1645-8, 1970 (Rus)
[Treatment of lumbosacral radiculitis and trophic disorders of paralyzed extremities by balsam dressings] Gushkov ES. Zh Nevropatol Psikhiatr 70:1643-5, 1970 (Rus)
[Treatment of scoliosis in lumbosacral radiculitis with hydrocortisone-novocaine blocks] Marchenko IZ. Zh Nevropatol Psikhiatr 70:1013-6, 1970 (Rus)
[Treatment of lumbosacral radiculitis with epidural dexamethasone administration] Troshin VD, et al. Zh Nevropatol Psikhiatr 70:1010-3, 1970 (Rus)

OCCURRENCE

[Decreasing lumbosacral radiculitis morbidity among miners] Grin'ko EP. Vrach Delo 127-30, Jan 71 (Rus)
[Lumbosacral radiculitis as a reason for temporary work disability amongst industrial workers] Garina MG. Zdravookhr Ross Fed 14:20-5, Aug 70 (Rus)

PHYSIOPATHOLOGY

[Study of radioactive iodine (I-131) included in the composition of sodium iodide and thyroxine in the peripheral blood and lymph circulation of patients with lumbar-sacral radiculitis] Badevich NA. Sov Zdravookhr Kirg 3:3-5, May-Jun 70 (Rus)
[Autonomic-vascular disorders in lumbosacral radiculitis] Berlin IuIu. Voen Med Zh 9:80-2, Sep 70 (Rus)
[Pneumotonometry--method of functional evaluation of abdominal muse paresis in the clinical picture of nervous diseases] Izakson KhA, et al. Zh Nevropatol Psikhiatr 70:1660-2, 1970 (Rus)
[Phenomenon ofskin temperature fluctuations in lumbosacral radiculitis] Shafer IuI. Zh Nevropatol Psikhiatr 70:1642-3, 1970 (Rus)
[Multiple defensive-motor phenomenon of supertension in painful sacrolumbar syndromes] Shapiro ML. Zh Nevropatol Psikhiatr 70:1632-6, 1970 (Rus)

RADIOTHERAPY

[Radiotherapy in patients with radiculitis] Mikhaflovskif VS, et al. Vrach Delo 3:110-2, Mar 71 (Rus)

SURGERY

[Results of surgery of diskogenic lumbosacral radiculitis (catamnestic data)] Dubnov BL, et al. Vopr Neirokhir 34:52-6, Sep-Oct 70 (Rus)

THERAPY

[Some characteristics of the mechanism of action of an impulse and a continuous electric UHF field on the human organism] Kaverin NM, et al. Nov Med Priborostr 3:20-3, 1969 (Rus)
[Use of exercise therapy in the treatment of lumbosacral radiculitis] Berlin IuIu. Voen Med Zh 1:75-6, Jan 71 (Rus)
[Experience in the use of vertical underwater traction in the treatment of diskogenic radicular syndromes of the lumbar region] Bogoslovskaia FV. Vopr Kurortol Fizioter Lech Fiz Kult 35:397-9, Sep-Oct 70 (Rus)
[Comparative evaluation of the efficacy of treatment of lumbosacral radiculitis with various physical agents] Danilov IuE, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:385-92, Sep-Oct 70 (Rus)
[Exercise therapy in the complex treatment of lumbosacral radiculitis] Izakson KhA. Vopr Kurortol Fizioter Lech Fiz Kult 35:392-7, Sep-Oct 70 (Rus)
[Experience in the treatment of lumbosacral radiculitis with mud from Lake Ebeita (Omsk Region)] Koval' VA, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:464-5, Sep-Oct 70 (Rus)
[Experience in the treatment of secondary radiculitis by underwater traction] Rotaenko AP. Vopr Kurortol Fizioter Lech Fiz Kult 35:463-4, Sep-Oct 70 (Rus)
[Therapy of discogenic radiculitis by means of traction of the spine and physiotherapy] Serdakova TS. Vopr Kurortol Fizioter Lech Fiz Kult 35:254-6, May-Jun 70 (Rus)
[Dispensarization of patients with lumbosacral radiculitis] Zhuraviev EV. Zdravookhr Ross Fed 14:12-5, Nov 70 (Rus)

RADIO (L)

see also related
RADIO WAVES (H)

A radiotelemetry system for transmitting physiologic data from animals. Riley JL. Am J Vet Res 32:155-61, Jan 71
Radio and telephone system for multiple channel transmission of E.C.G.s. Macfarlane PW, et al. Br Med J 3:702-3, 19 Sep 70
Medical aid to ships at sea (by radio transmission). Lamont D. Community Health (Bristol) 2:137-42, Nov-Dec 70
Sophisticated radio network successful. Hospitals 44:46-9, 1 Dec 70
Frequency-to-voltage converter for recording animal temperatures by radiotelemetry. Riley JL. J Appl Physiol 30:890-2, Jun 71
The Swedish Radio Medical Organization. Hansson L, et al. J R Nav Med Serv 57:95-7, Summer 71
Two-way radio in continuing education: report of a pilot series of programs, 1969. II. Results of evaluation. Wilhelm IJ. Phys Ther 51:188-95, Feb 71
Two-way radio in continuing education: report of a pilot series of programs, 1969. I. Background and description. Wilhelm IJ. Phys Ther 51:50-3, Jan 71
Instrumentation for expanding intensive care. Updike SJ, et al. Postgrad Med 48:87-92, Dec 70
Radio telemeters for temperature and biopotentials. Reece FN, et al. Poult Sci 49:1589-93, Nov 70
Mass media and the child. Sims M. Proc R Soc Med 64:362-5, Apr 71
A radiotelemetry stimulator for conditioning of large animals. Caldwell WM, et al. Psychophysiology 7:499-502, Nov 70
[Medical aid to seamen on the high seas] Sinitsyn SA, et al. Sov Zdravookhr 30:51-3, 1971 (Rus)
[Radio-medical 1965-1970: consulting the doctor by radio from Swedish ships] Berglund G, et al. Lakartidningen 68:1635-9, 31 Mar 71 (Swe)
[Questions of public interest in health education topics in mass communication media] Kliment P. Cesk Zdrav 19:223-8, 1971 (Slo)

RADIO-HIPPURAN see under IODOHIPPURIC ACID

(D2, D13)

RADIO WAVES (H)

see also related
RADIO (L)

Physiological studies of military parachutists via FM-FM telemetry: the data acquisition system and heart rate response. Reid DH, et al. Aerosp Med 41:1292-7, Nov 70
The effects of non-thermal radio frequency radiation on human lymphocytes in vitro. Holm DA, et al. Experientia 26:992-4, 26 Sep 70
An inexpensive rf shield for use with radiation survey instruments. Properzio WS. Health Phys 19:442, Sep 70
Effects of 800-MHz electromagnetic radiation on body weight, activity, hematopoiesis and life span in mice. Spalding JF, et al. Health Phys 20:421-4, Apr 71
Experimental relationship of radio-frequency electrical current and lesion size for application to percutaneous cordotomy. Fox JL. J Neurosurg 33:415-21, Oct 70
[Mitosis in root tips of Vicia faba. 3. Correlations between the solar radiations of radio waves and the variability of relative mitosis frequencies] Harte C, et al. Chromosoma 30:123-8, 1970 (Ger)
[Repercussions in humans of internal solar activity] Poumailloux M. Minerva Med 61:5809-23, 15 Dec 70 (Ita)
[Characteristics of the development and clinical course of changes in the cardiovascular system under chronic exposure to ultrahigh frequency electromagnetic fields] Glotova KV, et al. Gig Tr Prof Zabol 14:24-8, Jul 70 (Rus)
[Non-thermal effect of microradio waves on the organism (review of the literature)] Subbota AG. Voen Med Zh 9:39-45, Sep 70 (10 ref.) (Rus)

ADVERSE EFFECTS

[New data and tasks in the hygienic and experimental study of the effects of radio-frequency electromagnetic fields] Gordon ZV. Gig Tr Prof Zabol 14:32-4, Apr 70 (Rus)

DIAGNOSTIC USE

[Contemporary directions in the development of radioelectronic methods of diagnosing cardiovascular diseases] Tumanovskif MN, et al. Ter Arkh 43:11-6, Mar 71 (Rus)

THERAPEUTIC USE

Emergency management of pacemaker failure by means of radio-frequency energy. Benvenuto R, et al. Am Heart J 81:738-42, Jun 71

RADIOACTIVE FALLOUT (G3)

Relations between 90 Sr levels in the Danish environment. Aarkrog A. Acta Radiol [Diagn] (Stockh) Suppl 254:13-7, 1966
Fallout 137 Cs in fish and plancton from lake Mälar and the Baltic. Hannerz L. Acta Radiol [Diagn] (Stockh) Suppl 254:22-8, 1966
Caesium-137 and strontium-90 in air, precipitation, soil and agricultural products in Norway. Hvinden T. Acta Radiol [Diagn] (Stockh) Suppl 254:29-3, 1966
Sex ratio in offspring of survivors exposed prenatally to the atomic bombs in Hiroshima and Nagasaki. Jablon S, et al. Am J Epidemiol 93:253-8, Apr 71
Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation. Weiss ES, et al. Am J Public Health 61:241-9, Feb 71
Simulating energy and angle distributions above infinite plane cobalt-60 sources. Burson ZG, et al. Health Phys 18:507-21, May 70
World-wide movement of fallout particles from nuclear explosions. Chen TS, et al. Health Phys 20:139-41, Feb 71
Availability in the dog of radionuclides in nuclear debris from the Plowshare Excavation Cabriolet. Chertok RJ, et al. Health Phys 19:405-9, Sep 70
Radiation dose to the gastrointestinal tract of sheep fed an isolubie -emitter. Wade L Jr, et al. Health Phys 19:57-8, Jul 70
Immunohematological studies of Marshall Islanders sixteen years after fallout radiation exposure. Conard RA, et al. J Gerontol 26:28-36, Jan 71
Radiation hazards. Gibbs WJ, et al. Nature (Lond) 228:297-8, 17 Oct 70
137Cs levels in human adult population in California, 1960-69. MacDonald NS, et al. Nature (Lond) 228:283-4, 17 Oct 70
Strontium-90 and infant mortality in Canada. Shaw RF, et al. Nature (Lond) 228:667-9, 14 Nov 70
Ecology and radiation exposure of kangaroo rats living in a tritiated environment. Hatch FT, et al. Radiat Res 44:97-107, Oct 70
Effects of simulated fallout radiation on iron kinetics, red cell mass, and plasma copper in sheep. Wade L Jr, et al. Radiat Res 46:89-96, Apr 71
Summary of environmental monitoring at Ames Laboratory, 1962-1969. Copp JJ. Radiol Health Data Rep 12:119-28, Mar 71
Budgeting radiation exposure. Hull AP. Science 172:896, 28 May 71
[Strontium 90 in human teeth. 3] Keil R, et al. Strahlentherapie 140:442-7, Oct 70 (Ger)
[Radioactive contaminated lichens and the peculiar importance for radiologic hygiene] Keil R, et al. Z Gesamte Hyg 16:898-902, Dec 70 (Ger)
[Investigations on retention and decontamination in laboratory animals after contamination of the surface] Mirna A. Zentralbl Bakteriol [Orig] 216:398-411, 1971 (Ger)
[Radioactive contamination and biological period] Avio CM. Ann Med Nav (Roma) 75:193-242, May-Jun 70 (Ita)
[Alarmism caused by radiations] De Bortoli M. Minerva Fisiconucl 14:213-4, Oct-Dec 70 (Ita)
[Features and quantitative prognostication of the accumulation of Sr90 in trees] Aleksakhin RM, et al. Dokl Akad Nauk SSSR 193:1192-4, 1970 (Rus)
[Cesium-137 content in the body of inhabitants of a district with an unusual cesium ecology] Moiseev AA, et al. Gig Sanit 35:92-3, Jun 70 (Rus)
[Toxicology of products of a nuclear explosion (brief review of the literature)] Il'in VG. Veterinariia 11:79-81, Nov 70 (Rus)
[Nuclear-bomb tests and infant mortality. Viewpoint on a current American debate] Nilsson A, et al. Lakartidningen 68:2801-6, 9 Jun 71 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

A routine method for the determination of low caesium-137 activities in biological samples. Mirna A. Analyst 95:1000-2, Dec 70
Radioecological investigations of plutonium in an arctic marine environment. Aarkrog A. Health Phys 20:31-47, Jan 71
Biological availability of radionuclides produced by the Plowshare Event Schooner. II. Retention and excretion rates in peccaries after a single oral dose of debris. Chertok RJ, et al. Health Phys 20:325-30, Mar 71
Biological availability of radionuclides produced by the Plowshare Event Schooner. I. Body distribution in domestic pigs exposed in the field. Chertok RJ, et al. Health Phys 20:317-24, Mar 71
Availability in the peccary pig of radionuclides in nuclear debris from the Plowshare Excavation Buggy. Chertok RJ, et al. Health Phys 20:313-6, Mar 71
Radioactive strontium and barium fallout. Cooper WW, et al. Health Phys 19:625-32, Nov 70
Occurrence of 22Na in medium-sized animals. Gabay JJ, et al. Health Phys 18:429-31, Apr 70
Detection of radiotungsten in rainwater. Mamuro T, et al. Health Phys 20:86-9, Jan 71
131-I in children's thyroids. Nelson IC. Health Phys 19:832-4, Dec 70
An empirical model for estimating world-wide deposition from atmospheric nuclear detonations. Peterson KR. Health Phys 18:357-68, Apr 70
Distribution of fallout and natural gamma radionuclides in litter, humus and surface mineral soil layers under natural vegetation in the Great Smoky Mountains, North Carolina-Tennessee. Ritchie JC, et al. Health Phys 18:479-89, May 70
Persistence of plutonium in soil, plants and small mammals. Romney EM, et al. Health Phys 19:487-91, Oct 70
Fallout 90 Sr in beer. Shiraishi Y, et al. Health Phys 19:443-4, Sep 70
Fractionation properties of nuclear debris from the Chinese test of 24 December 1967. Sisefsky J, et al. Health Phys 18:346-56, Apr 70
Fallout over Taiwan from nuclear weapon tests at Lop Nor and Siberia (1958-1969). Weng PS, et al. Health Phys 19:563-9, Oct 70
Interception and retention of a simulated fallout by agricultural plants. Witherspoon JP, et al. Health Phys 19:493-9, Oct 70
Measurement of absorbed dose rate from terrestrial background radiation in Hong Kong. Chuang LA, et al. J Radiat Res (Tokyo) 11:53-60, Jun 70
The determination of plutonium in soil samples. Inoue Y, et al. J Radiat Res (Tokyo) 11:98-106, Jun 70
Some measurements on radioactivity in Sweden caused by nuclear test explosions. Magi A, et al. Radiol Health Data Rep 11:487-509, Oct 70
Radiological health and data reports. 3. Air and deposition. Radioactivity in airborne particulates and precipitation. Radiol Health Data Rep 12:107-12, Feb 71
Radiological health data. IV. Other data. Radiol Health Data Rep 12:337-61, Jun 71
Fallout in the United States and other areas. July-December 1968 and January-December 1969. Radiol Health Data Rep 12:52-6, Jan 71
[Discovery of 181 W and 185 W in the fallout] De Franceschi L, et al. Minerva Fisiconucl 15:20-7, Jan-Mar 71 (Ita)

PREVENTION & CONTROL

Hazards of tritium from controlled fusion. Rose DJ. Health Phys 18:439-40, Apr 70

RADIOACTIVE WASTE (G3)

see also related
WATER POLLUTION, RADIOACTIVE (G3)

The disposal of radioactive xenon waste. Klein RC, et al. Am Rev Resp Dis 103:118-9, Jan 71
Biological availability of radionuclides produced by the Plowshare event Schooner. 3. Accumulation, excretion rates and body distribution in peccaries after daily ingestion of debris. Chertok RJ, et al. Health Phys 20:577-84, Jun 71
MPC values for 102 Rh, 102m Rh and 107 Pd. Soldat JK. Health Phys 19:60-3, Jul 70
Initial uptake, distribution and loss of soluble 106 Ru in marine and freshwater organisms in laboratory conditions. Van Der Borght O, et al. Health Phys 19:801-11, Dec 70
Study of the dispersion of radioactive effluents into a lake. I. Contamination of the bottom sediments. De Bortoli M, et al. Minerva Fisiconucl 14:190-6, Oct-Dec 70
Disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1969. Mangeno JJ, et al. Radiol Health Data Rep 11:373-7, Aug 70
[European cooperation in the field of radioprotection] Recht P. J Belge Radiol 53:230-6, 1970 (Fre)
[Radioactive contamination and biological period] Avio CM. Ann Med Nav (Roma) 75:193-242, May-Jun 70 (Ita)
[Measurement of radioactivity in the sewage from the Ospedale Maggiore of Bologna] Rossi A, et al. Ig Mod 63:104-12, 1970 (Ita)
[Criteria and objectives of surveillance of the environmental radioactivity around a nuclear center] De Bortoli MC, et al. Minerva Fisiconucl 13:215-8, Jul-Sep 69 (Ita)
[Draining of radioactive waste in the Nuclear Research Center in Trisaia] Marzocchi A, et al. Minerva Fisiconucl 15:38-45, Jan-Mar 71 (Ita)
[Pollution of the air in using concentrated radon solution in laboratories and hospitals] Andreev SV, et al. Gig Sanit 35:88-91, Feb 70 (Rus)

ANALYSIS

A constant geometry approach to in situ seabed gamma monitoring. Reynolds E. Health Phys 20:241-51, Mar 71
[Evaluation of the risks to population of radioactive discharges in the atmosphere of C.C.R. at Ispra on the basis of local metereological findings] Gaglione P, et al. Minerva Fisiconucl 13:204-14, Jul-Sep 69 (Ita)

HISTORY

History of the exposure of miners to radon. Běhounek F. Health Phys 19:56-7, Jul 70

PREVENTION & CONTROL

Radioactive waste discharges to the environment from a nuclear fuel reprocessing plant. Logsdon JE, et al. Radiol Health Data Rep 12:305-12, Jun 71
Environmental monitoring and disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1970. Miles ME, et al. Radiol Health Data Rep 12:235-44, May 71
Nuclear waste: Kansans riled by AEC plans for atom dump. Holden C. Science 172:249-50, 16 Apr 71

RADIOACTIVITY (H)

The attenuation of 14 MeV neutrons in calcium-based concrete and the resultant production of radioactivity. Greene D, et al. Br J Radiol 44:116-9, Feb 71
Radioactivity of drugs, infusions and decoctions. Genkov D, et al. Folia Med (Plovdiv) 11:322-6, 1969
Hand radioactivity after intravenous injection of 47Ca.: effect of age and femoral neck fracture. Arman E, et al. Geriatrics 26:150-65, Mar 71
Studies on the natural background radiation in Italy. Cardinale A, et al. Health Phys 20:285-96, Mar 71
Usable count-rate range of a halogen quenched Geiger-Müller (G-M) counter. Chiang HH. Health Phys 19:687-90, Nov 70
Average particle energy in beta decay. Dillman LT. Health Phys 19:385-9, Sep 70
Concerning the relationship of lead-210 and inhalation exposure to radon-222. Raabe OG. Health Phys 18:733-4, Jun 70
An alpha detector insensitive to high neutron and gamma backgrounds and temperature. Splichal WF Jr. Health Phys 19:575-7, Oct 70
Interception and retention of a simulated fallout by agricultural plants. Witherspoon JP, et al. Health Phys 19:493-9, Oct 70
Biological effects of high background radioactivity: studies on plants growing in the monazite-bearing areas of Kerala coast & adjoining regions. Gopal-Ayengar AR, et al. Indian J Exp Biol 8:313-8, Oct 70
Correlation of serum binders to clearance rates of intravenously administered 57Co B12. Gizis EJ, et al. Proc Soc Exp Biol Med 136:736-7, Mar 71
Radioactive cargoes: record good but the problems will multiply. Shapley D. Science 172:1318-22, 25 Jun 71
[Measure of the radioactivity in biological micro-samples] Belanger GJ, et al. Int J Appl Radiat Isot 21:437-40, Jul 70 (Fre)
[Evaluation of the bronchopulmonary radioactive load produced by the cure in the Luchon vaporarium] Grandpierre R, et al. Presse Therm Climat 107:181-3, 1970 (Fre)
[Spectrometric study of the radioactive corporeal load in bats living in the radioactive atmosphere of subterranean sites, tunnels and radiovaporium of the Luchon thermal station] Grandpierre R, et al. Presse Therm Climat 107:30-2, 1970 (Fre)
[Radioactive substances] Eto H. Naika 27:887-91, May 71 (Jap)
[Artificial radioactivity of grey whales] Sokolova NV. Radiobiologiia 9:748-50, Sep-Oct 69 (Rus)

HISTORY

[15th anniversary of the death of Irene Curie] (Joliot-Curie I), Bugyi B. Orv Hetil 112:1413-4, 13 Jun 71 (Hun)

INSTRUMENTATION

[Use of ionization chamber for control of the specific activity of gas and liquids] Kaftal S, et al. Minerva Fisiconucl 15:15-9, Jan-Mar 71 (Ita)

STANDARDS

Radioactive materials: problems under scrutiny. Reynolds SA. Science 171:955, 12 Mar 71

RADIOAUTOGRAPHY (E1)

Study of cell multiplication in the cartilaginous upper end of the tibia of the domestic fowl by tritiated thymidine autoradiography. Lutfi AM. Acta Anat (Basel) 76:454-63, 1970
Autoradiographic techniques for the localization of hormones and drugs at the cellular and subcellular level. Stumpf WE. Acta Endocrinol [Suppl] (Kbh) 153:205-22, 1971
Autoradiographic studies on the kinetics of nuclear-cytoplasmic transfer of RNA in blast cells of acute leukaemia. Quaglino D, et al. Acta Haematol (Basel) 45:192-200, 1971
Autoradiographic study of the "X cells" in the human placenta. Kim CK, et al. Am J Obstet Gynecol 109:96-102, 1 Jan 71
The chromosomal constitution of 165 human translocations involving D group chromosomes identified by autoradiography. Cohen MM. Ann Genet (Paris) 14:87-96, Jun 71
Use of tracer techniques on the study of anesthetic distribution and metabolism. Cohen EN. Ann R Coll Surg Engl 48:71-2, Feb 71
Autoradiographic determination of the duration of DNA synthesis and generation time in vivo. Lesch R, et al. Beitr Pathol 141:293-7, 1970
Studies of herpes zoster virus in vitro. II. An autoradiographic study of intranuclear inclusions. Nii S, et al. Biken J 13:133-43, Jun 70
The identification of hot and cold thyroid lesions at operation and its place in the surgical management of carcinoma of the thyroid. Dobyns BM, et al. Bull Soc Int Chir 29:375-80, Nov-Dec 70
Enzyme cytochemistry and autoradiography of adenovirus-infected cells as determined with the electron microscope. Yamamoto T, et al. Can J Microbiol 17:249-56, Feb 71
Cellular resistance to actinomycin D in Chinese hamster cells in vitro: cross-resistance, radioautographic, and cytogenetic studies. Biedler JL, et al. Cancer Res 30:1174-84, Apr 70
High-resolution autoradiographic localization of 3,4-benzpyrene-3H in mouse skin. Sobin LH. Cancer Res 30:1123-8, Apr 70
Autoradiographic localization of tritiated 7,12-dimethylbenz(a)-anthracene in mast cells of hairless mouse skin. Tarnowski WM. Cancer Res 30:1163-7, Apr 70
The whole body autoradiographic studies on the distribution of 14 C-labeled new 1,5-benzothiazepine derivative (14 C-CRD-401) in mice. Sakuma M, et al. Chem Pharm Bull (Tokyo) 19:995-1005, May 71
Studies on the distribution of radioisotopes by whole body autoradiography. XXII. Fate of 14C-fluocinolone acetonide in mice. Takahashi T, et al. Chem Pharm Bull (Tokyo) 19:309-16, Feb 71
Cell population kinetics of bone growth: the first ten years of autoradiographic studies with tritiated thymidine. Kember NF. Clin Orthop 76:213-30, May 71 (71 ref.)
Autoradiographic detection of contamination on solid substrates. Brandreth DA, et al. Contam Control 9:37-9, Sep-Oct 70
Radioautography technique for human and rat seminiferous tubules mounted in toto. Chowdhury AK, et al. Exp Cell Res 64:450-6, Feb 71
Localisation of rapidly and slowly labelled nuclear RNA as visualized by high resolution autoradiography. Fakan S, et al. Exp Cell Res 67:129-41, Jul 71
Microphotometric and autoradiographic studies on the cell cycle and cell size during growth and decline of Chinese hamster cell cultures. Kimball RF, et al. Exp Cell Res 66:17-32, May 71
Autoradiographic studies on metabolism of DNA during thyroxine-induced tadpole metamorphosis. Paik WK, et al. Exp Cell Res 64:190-4, Jan 71
Uptake of chondroitin sulfate by mammalian cells in culture. II. Kinetics of uptake and autoradiography. Saito H, et al. Exp Cell Res 66:90-6, May 71
Binding of 3H-actinomycin to vitelline platelets of amphibian oocytes. A high resolution autoradiographic investigation. Steinert G, et al. Exp Cell Res 64:355-65, Feb 71
Quantitative autoradiographic analysis of rates of DNA synthesis in X-chromosomes of bovine females. Wright WC, et al. Exp Cell Res 63:138-42, Nov 70
Megalodiscus temperatus: comparative radioautography of glucose-3H and galactose-3H incorporation. Shannon WA Jr, et al. Exp Parasitol 29:309-19, Apr 71
Whole-body autoradiography. Food Cosmet Toxicol 8:700-2, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Application of cellulose nitrate films for alpha autoradiography of bone. Cole A, et al. Health Phys 19:55-6, Jul 70

Combination of electron microscope and autoradiography using a fine grain nuclear emulsion. Heremans HA. Histochemie 25:123-9, 1971

Correction of autoradiographic grain count in respect to precisely calculated background. Sawicki W, et al. Histochemie 26:67-73, 1971

Radioautography of tritiated sex steroids in the rat. Tuohimaa P. Histochemie 23:349-57, 1970

Location and measurement of enzymes in single cells by isotopic methods. I. Principles and light microscope applications. Barnard EA. Int Rev Cytol 29:213-43, 1970 (77 ref.)

Location and measurement of enzymes in single cells by isotopic methods. II. Application to electron microscopy. Budd GC. Int Rev Cytol 29:245-63, 1970 (44 ref.)

The intrarenal distribution of tritiated para-aminohippuric acid determined by a modified technique of section freeze-dry radioautography. Bordier B, et al. J Cell Biol 47:518-32, Sep 70

Radioautographic evidence for equatorial wall growth in a gram-positive bacterium. Segregation of choline-3H-labeled teichoic acid. Briles EB, et al. J Cell Biol 47:786-90, Dec 70

Fine structural and radioautographic observations on dense perinuclear cytoplasmic material in tadpole oocytes. Eddy EM, et al. J Cell Biol 49:90-108, Apr 71

Radioautographic study of in vivo and in vitro incorporation of fucose-3H into thyroglobulin by rat thyroid follicular cells. Haddad A, et al. J Cell Biol 49:856-77, Jun 71

The interpretation of grain counts in electron microscope radioautography. Nadler NJ. J Cell Biol 49:877-82, Jun 71

Fine structures of interphase nuclei. II. The behavior of the chromatin during G1 period revealed by electron microscopic autoradiography. Kuroiwa T, et al. J Electron Microsc (Tokyo) 19:63-9, 1970

The intracytoplasmic multiplication of Yaba virus in cells as studied by means of high-resolution autoradiography. Tsuruhara T, et al. J Electron Microsc (Tokyo) 19:103-4, 1970

A radioautographic technique for whole mounts of muscle fibers. Kopriwa BM, et al. J Histochem Cytochem 19:51-5, Jan 71

High resolution autoradiography with stripping film. Williamson JR, et al. J Histochem Cytochem 19:304-9, May 71

Cell population kinetics in human epidermis: in vitro autoradiographic study by double-labeling method. Heenen M, et al. J Invest Dermatol 56:425-9, Jun 71

Autoradiography for diffusible substances and its application to central nervous tissue. Kobayashi T, et al. J Med (Basel) 2:35-44, 1971

The statistical analysis of autographs. II. Theoretical aspects including methods for optimal allocation of measurement effort. England JM, et al. J Microsc 92:167-77, 1970

The statistical analysis of autoradiographs. I. Grain count distributions over uniformly labelled sources. England JM, et al. J Microsc 92:159-65, 1970

Tritium-labelled Araldite as an internal standard for quantitative autoradiography using the electron microscope. Flitney FW. J Microsc 90:151-6, 1969

Radioautographic analysis of 7,12-dimethyl-benz(a)anthracene-3H incorporation and cell survival of Syrian hamster embryo cells during exposure to nucleic acid inhibitors. Connell DI, et al. J Nati Cancer Inst 46:183-93, Jan 71

Is double-labeling with two levels of 3H-thymidine a reliable method for evaluating mitotic parameters? Galand P, et al. J Nucl Biol Med 13:87-93, Jul-Sep 69

(35S)thiopentone autoradiography as a means for studying the physiological territory of supply of cerebral vessels. Joy MD. J Physiol (Lond) 215:4P-5P, May 71

3H-vitamin A and rat skin. Autoradiographic observations. Sherman BS. J Vitaminol (Kyoto) 16:259-62, 10 Dec 70

Intracellular site of RNA replication of vesicular stomatitis virus as revealed by radioautography. Yaoi Y, et al. Jap J Microbiol 14:427-9, Sep 70

Autoradiographic studies on cell population kinetics in dog gastric and rectal mucosa. A comparison between in vitro and in vivo methods. Willems G, et al. Lab Invest 23:635-9, Dec 70

Detection of latent fingerprints with 35SO2. Spedding DJ. Nature (Lond) 229:123-4, 8 Jan 71

The distribution of 65Zn in the endochondral growth sites of the mandibular condyle and the proximal end of the tibia in young rats. An autoradiographic and gamma scintillation study. Bergman B. Odontol Revy 21:261-74, 1970

The regeneration of denervated muscle. An autoradiographic study, using 3H-thymidine. Hassler O. Pathol Eur 5:279-92, 1970

Autoradiographic study of the in vitro uptake of estradiol by eosinophils in human endometrium. Tchernitchin A, et al. Proc Soc Exp Biol Med 137:108-10, May 71

Section thickness and grain count variation in tritium autoradiography. Caviness VS Jr, et al. Stain Technol 46:131-5, May 71

Autoradiographic differentiation of free, bou, pure, and impure thymidine-3H. Diab IM, et al. Stain Technol 45:285-91, Nov 70

Enzyme-containing detergent for removing extraneous emulsion from autoradiographic slides. Foret JH. Stain Technol 45:237, Sep 70

Processing stripping film autoradiographs of citrus buds; avoidance of entrapped air between tissues and developed emulsion. Goren R, et al. Stain Technol 46:156-8, May 71

Methyl green-pyronin for staining autoradiographs of hydroxyethyl methacryiate-embedded lymphoid tissue. North RJ. Stain Technol 46:59-62, Mar 71

Labelling microspores with tritiated thymidine by bud injection in Tradescantia. Savage JR, et al. Stain Technol 46:37-9, Jan 71

Preservation and long-term storage of Feulgen-stained mouse tissues for subsequent autoradiography. Schmeer AC. Stain Technol 46:27-31, Jan 71

Autoradiography of a gamma-emitter, tellurium 127m, in fetal rats. Scott T, et al. Stain Technol 46:95-6, Mar 71

Leiobunum longipes: radioautographic localization of 5-hydroxytryptamine. Crowder LA, et al. Trans Am Microsc Soc 89:375-83, Jul 70

Chlamydotheca arcuata: autoradiographic localization of 14C-Aldrin and 14C-Dieldrin. Kawatski JA, et al. Trans Am Microsc Soc 89:424-7, Jul 70

Combination autoradiography and membrane fluorescence in studying cell cycle transplantation antigen relationships. Karb K, et al. Transplantation 11:569-73, Jun 71

A macro-autoradiographic method for the demonstration of iron-concentrating spleen colonies. Thomas DB, et al. Transplantation 10:274-5, Sep 70

Host cell macromolecular synthesis in cells containing EBV-induced early antigens, studied by combined immunofluorescence and radioautography. Gergely L, et al. Virology 45:22-9, Jul 71

Critical remarks on the value of autoradioimmunoelectrophoresis for studies of protein synthesis by lymphocytes in vitro. Thiele HG, et al. Z Immunitaetsforsch Allerg Klin Immunol 140:424-7, Oct 70

[Primary testicular atrophy. Abnormal autoradiographic behavior of a short Y] Carlon N, et al. Ann Endocrinol (Paris) 31:1131-42, Nov-Dec 70 (Fre)

[Histoautoradiographic study of the incorporation of several radioactive elements in the pars intermedia of the hypophysis in the normal and dehydrated albino mouse] Roux M. Arch Anat Microsc Morphol Exp 60:107-12, Jan-Mar 71 (Fre)

[Study of granulocyopoiesis by autoradiography of the bone marrow in vitro. I. Observations on normal subjects and in granulocytopenias] Najean Y, et al. Nouv Rev Fr Hematol 10:485-504, Jul-Aug 70 (Fre)

[Study of granulocytopoiesis by autoradiography of the bone marrow in vitro. II. 2 cases of cyclic familial agranulocytosis] Ruvidic R, et al. Nouv Rev Fr Hematol 10:505-14, Jul-Aug 70 (Fre)

[Life, a perpetual renewal] Leblond CP. Union Med Can 100:438-45, Mar 71 (Fre)

[Quantitative radioautography of neuroglial proliferation during postnatal development of the rat] Fulcrand J, et al. Z Mikrosk Anat Forsch 82:349-61, 1970 (Fre)

[Methodological studies on the histochemical and autoradiographic detection of free inorganic phosphate in liver parenchymal cells] Halbhuber KJ, et al. Acta Histochem (Jena) 37:154-61, 1970 (Ger)

[Use of Zapon lacquer membranes as inert medium for the suppression of positive chemography effects in emulsions of light optical autoradiograms] Quade R, et al. Acta Histochem (Jena) 38:270-7, 1970 (Ger)

[Autoradiographic cytologic detection of tumor cells in stomach cancer] Matzkowski H, et al. Dtsch Z Verdau Stoffwechselkr 30:133-4, 1970 (Ger)

[Regional incorporation of tritiated optical isomers of the amino acid proline into the mouse brain seen by autoradiography] Garweg G, et al. Experientia 27:377-8, 15 Apr 71 (Ger)

[A rapid method for the embedding of uncalcified bone of mice in methacrylate for autoradiographic studies of short-lived, water-soluble isotopes using a special mounting method with AR 10 stripping film] Hindringer B, et al. Histochemie 26:333-42, 1971 (Ger)

[Cholesterol-crystal deposition in frozen sections of nervous tissue as a cause of artefacts in autoradiograms] Korr H, et al. Histochemie 23:138-43, 1970 (Ger)

[Shorter autoradiographic exposition of electron microscopic preparations by scintillators] Fischer HA, et al. Naturwissenschaften 58:101-2, Feb 71 (Ger)

[Methods for total-animal autoradiography] Buchtela K, et al. Strahlentherapie 140:600-4, Nov 70 (Ger)

[Trial test with 3-H inulin in the autoradiographic demonstration of water soluble substances in the ultrastructural field] Rohr HP, et al. Verh Dtsch Ges Pathol 54:575-8, 1970 (Ger)

[Animal experiments as a basis for the evaluation of autoradiographic findings in biopsy materials] Marek H, et al. Z Gesamte Inn Med 24:Suppl:172-3, 1 Jan 69 (Ger)

[Autoradiographic studies on the localization of the matrix zones of the diencephalon of young and adult Lebistes reticulatus (Teleostae)] Kranz D, et al. Z Mikrosk Anat Forsch 82:42-66, 1970 (Ger)

[Dependence of DNA synthesis in the matrix zones of the mesencephalon on the age of the experimental animal (Lebistes reticulatus--Teleostae). Autoradiographic studies] Richter W, et al. Z Mikrosk Anat Forsch 82:76-92, 1970 (Ger)

[Autoradiography with the electron microscope: differential sensitivity of photographic emulsions for tritium] Hüsler DF, et al. Z Naturforsch [B] 26:125-8, Feb 71 (Ger)

[Determination of the electrophoretic mobility of the foot-and-mouth disease virus in agar gel by radioactivity measurements] Matthaeus W. Zentralbl Bakteriol [Orig] 204:161-5, 1967 (Ger)

[Autoradiography of semi-thin sections fixed in osmium and embedded in araldide stained with different methods before film application] Fagiolo U, et al. Ann Ist Super Sanita 5:622-4, 1969 (Ita)

[Anatomic macroautoradiography] Cabassa N, et al. Fracastoro 62:405-28, Sep-Oct 69 (Ita)

[Spleen photoscintigraphy with BMHP Hg203 using a scintillation camera in the study of the sequestration and clearance of erythrocytes by the spleen] Cajozzo A, et al. Haematologica 55:373-401, 1970 (Ita)

[Histoautoradiographic study of the healthy human endometrium. Preliminary studies] De Cecco L, et al. Minerva Ginecol 21:1054-7, 31 Aug 69 (Ita)

[Application of autoradiography in parasitological studies] Pionka WS. Wiad Parazytol 16:423-30, 1970 (Pol)

[Radioautography of human chromosomes] Nicoară S, et al. Med Interna (Bucur) 23:51-60, Jan 71 (Rum)

[Autoradiography as a method of current functional morphology] Krymskiĭ LD, et al. Arkh Patol 33:74-82, 1971 (152 ref.) (Rus)

[Radioautographic study of DNA synthesis in cells of experimental brain tumors preserved at -78 degrees] Aniskina RI. Biull Eksp Biol Med 68:87-9, Sep 69 (Rus)

[Method of double radioautography] Zaĭchik VE, et al. Biull Eksp Biol Med 70:118-21, Oct 70 (Rus)

[Biopsy of the dental enamel for autoradiography] Leus PA. Stomatologiia (Mosk) 49:72-3, Sep-Oct 70 (Rus)

[Application of microphotometry in reflected light for quantitative estimation of radioautographs] Barskiĭ VE, et al. Tsitologiia 13:118-22, Jan 71 (Rus)

[Cytogenetic study of the deletion of group B by means of radioautography] Huertas Ruano J, et al. Sangre (Barc) 16:118-26, 1971 (Spa)

[Study of optimal conditions in microphotometry of radio-autographs] Maliuk VI, et al. Fiziol Zh 15:708-10, Sep-Oct 69 (Ukr)

HISTORY

Historical outline of the initial studies on the use of polonium in biology. Lacassagne A. Br J Radiol 44:546-8, Jul 71

INSTRUMENTATION

[A method of mass processing of histoautoradiographic material] Skatkov ME. Biull Eksp Biol Med 67:121-3, Jun 69 (Rus)

STANDARDS

Electron induced luminescence in radiation standards of tritium and radiocarbon in acryl plastics. Prydz S, et al. Int J Appl Radiat Isot 21:629-30, Oct 70

[On the standardization of electron microscope autoradiography] Müller G. Exp Cell Res 65:386-92, Apr 71 (Ger)

RADIOBIOLOGY (G1)

see also related
NUCLEAR MEDICINE (G2)

Radiosensitivity of mammalian oocytes with particular reference to the human female. Baker TG. Am J Obstet Gynecol 110:746-61, 1 Jul 71 (159 ref.)

First World Congress of Nuclear Medicine and Biology. Université de Montréal, Montreal, Canada 30th August-4th September, 1971. Australas Radiol 14:457-64, Nov 70

Uses and abuses of mathematical models in radioisotope or cell kinetic studies. Fowler JF. Br J Radiol 44:234, Mar 71

University curriculums AND FELLOWSHIPS IN RADIOLOGICAL HEALTH. Environ Health Ser [Radiol Health] 1-86, 1970

Summary of general discussion on radiobiological aspects of fast neutrons in radiotherapy. Elkind MM. Eur J Cancer 7:249-57, May 71

Computer evaluation of monoenergetic neutron

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

irradiations in radiobiology. Bengtsson LG, et al. Health Phys 18:577-8, May 70

A comparative E.P.R. study on free radical formation in DNA constituents after exposure to discharge-excited argon, hydrogen and deuterium. Dertinger H, et al. Int J Radiat Biol 19:187-90, 1971

An analysis of the target theory of Lea with modern data. Marshall M, et al. Int J Radiat Biol 18:127-38, 1970

Radiosensitivity--what is it? Rider WD. Laryngoscope 81:1045-56, Jul 71

Distribution of the dose from neutrons in a thin sample of wet tissue as a function of linear energy transfer (LET). Dousset MH, et al. Phys Med Biol 16:467-78, Jul 71

Dosimetry for a biological irradiation facility at a thermal reactor. Zarándi P, et al. Phys Med Biol 16:479-88, Jul 71

Some physical and radiobiological factors in radiotherapy. Oliver R. Proc R Soc Med 64:405-6, Apr 71

Changes in biological effectiveness of a fast neutron beam with depth in tissue-equivalent material. Evans RG, et al. Radiat Res 45:235-43, Feb 71

Relation between RBE and LET to inhibit neural impulse conduction. Gaffey CT. Radiat Res 47:511-25, Aug 71

Inactivation of cells by heavy ion bombardment. Katz R, et al. Radiat Res 47:402-25, Aug 71

RBE and the primary mechanism of radiation action. Kellerer AM, et al. Radiat Res 47:15-34, Jul 71

Effect of a stable free-radical on the survival of X-irradiated mice. Deby C, et al. Rev Eur Etud Clin Biol 15:678-82, Jun-Jul 70

The relevance of radiobiological research today. Cronkite EP. S Afr Med J 44:1107-12, 3 Oct 70

[Radiobiological principles of radiation hygiene] Klener V. Cas Lek Cesk 109:986-8, 9 Sep 70 (Cze)

[Radiobiology of lymphocytes: value of extracorporeal irridiation in experimental radiopathology] Pompidou A, et al. Pathol Biol (Paris) 19:511-22, May 71 (173 ref.) (Fre)

[Eventual biological and physiopathological effects of UHF electromagnetic radiation from "aerial radar"] Joly R, et al. Rev Corps Sante Armees 10:239-59, Jun 69 (Fre)

[Importance of experimental whole body and partial body irradiation of adolescent pigs for clinical radiation biology in human medicine] Neumeister K, et al. Radiobiol Radiother (Berl) 11:465-9, 1970 (Ger)

[Biological basis of radiotherapy] Peters KW. Roentgenpraxis 24:58-68, Mar 71 (Ger)

[Recovery of cells from sublethal radiation damage with fractionated radiation dose] Malinovskif OV. Izv Akad Nauk SSSR [Biol] 2:221-31, Mar-Apr 71 (Rus)

[Effect of a constant magnetic field on the concentration of free radicals in mouse organs and tissues] Piruzian LA, et al. Izv Akad Nauk SSSR [Biol] 1:128-34, Jan-Feb 71 (Rus)

[Experimental study of the biological action of a low-frequency electric field] Solov'ev NA. Nov Med Priborostr 3:101-7, 1967 (Rus)

[Loss of gamma-induced free radicals in seeds during their germination] Bidziiia NI, et al. Radiobiologiia 10:732-5, Sep-Oct 70 (Rus)

[Peculiarities of radiobiological reactions of single-cell organisms with varied organization of the nuclear apparatus] Korogodin VI, et al. Radiobiologiia 11:3-16, Jan-Feb 71 (Rus)

[Permutation index--information source on radiobiological literature] Pavliukov EA. Radiobiologiia 10:933-5, Nov-Dec 70 (Rus)

[Study of free radicals in gamma-irradiated food products by the method of electron paramagnetic resonance] Pavlova NI, et al. Radiobiologiia 10:776-80, Sep-Oct 70 (Rus)

[Relation between linear energy transfer and fluctuations in energy deposition of ionizing radiation] Bengtsson G. Nord Med 84:1305, 8 Oct 70 (Swe)

[Effect of optical quantum generator radiation on electrical parameters of live tissue] Volkov IuM, et al. Fiziol Zh 16:480-3, Jul-Aug 70 (Ukr)

[Computer program for the determination of gamma emmitter activity in biological samples] Chorvát D, et al. Bratisl Lek Listy 54:173-84, Aug 70 (Slo)

EDUCATION

Mixed disciplines: a brief survey of educational problems. Simmons JA. Health Phys 19:324-5, Aug 70

HISTORY

[Evolution of radiobiology since the discovery of x-rays] Messerschmidt O. Roentgenpraxis 23:268-72, Nov 70 (Ger)

[An entire life in scientific research (on the centenary of the birth of Efim Semenovich London)] (London ES), Prokhorova MI. Vestn Leningr Univ [Biol] 4:166-71, 1968 (Rus)

INSTRUMENTATION

Some unexpected dosimetric problems in an apparatus for mammalian radiobiology. Moore J, et al. Int J Radiat Biol 18:287-9, 1970

[Irradiation device for microbiological experiments without a monitoring system] Frankenberg D, et al. Strahlentherapie 139:379-84, Mar 70 (Ger)

[Experimental apparatus for studying the biological effect of a low-frequency electric field] Solov'eva GR. Nov Med Priborostr 3:96-100, 1967 (Rus)

[Characteristics of a neutron source with 200 kilo-electron volt average energy for radiobiological experiments with the IRT-2000 reactor] Troitskif NA, et al. Radiobiologiia 9:778-81, Sep-Oct 69 (Rus)

RADIOCHEMISTRY (H)

Radiolytic cleavage of the peptide main-chain in concentrated aqueous solution: energy level of excited-molecule intermediates. Rodgers MA, et al. Biochem Biophys Res Commun 40:622-7, 11 Aug 70

A new procedure for purifying water for radiation chemistry. Sassé RA. Health Phys 19:675-9, Nov 70

The absolute measurement of beta-disintegrating nuclides emitting conversion electrons with appreciable proportions. Baba H, et al. Int J Appl Radiat Isot 21:607-17, Oct 70

Channels ratio quench correction using Cerenkov radiation for the assay of 42K in biological samples. Moir AT. Int J Appl Radiat Isot 22:213-6, Mar 71

Swallow AJ: Pulse- and X-radiolysis of 2-mercaptoethanol in aqueous solution. Jayson GG, et al. Int J Radiat Biol 19:143-56, 1971

Formation of free radicals in aliphatic and aromatic amino acids by trapped electrons: an E.S.R. study. Srinivasan VT, et al. Int J Radiat Biol 19:133-42, 1971

Semiautomated laboratory production of 99mTc-albumin. Benjamin PP, et al. J Nucl Med 12:325-6, Jun 71

Radical processes following gamma-irradiation of frozen concentrated matrices of heparin and dextran sulphate. Baugh PJ, et al. Radiat Res 46:217-25, Apr 71

The radiation chemistry of phosphine-ammonia mixtures in the gas phase. Buchanan JW, et al. Radiat Res 44:296-304, Nov 70

The use of phosphine as a free radical scavenger in the radiolysis of methyl iodide vapor. Buchanan JW, et al. Radiat Res 44:305-12, Nov 70

Radiolysis reactions of colloidal silver and silver bromide. Johnston FJ, et al. Radiat Res 44:323-37, Nov 70

Identification of radiation-induced hydrogen-addition radicals in adenine derivatives. Schmidt J, et al. Radiat Res 46:36-51, Apr 71

The absolute dosimetry of high intensity, 600 kV pulsed electron accelerator used for radiation chemistry studies of gaseous samples. Willis C, et al. Radiat Res 46:428-43, Jun 71

[Radiochemical reactions in hexocyclic compounds] Wolter H. Strahlentherapie 140:341-6, Sep 70 (Ger)

[Racemization of alpha-amino acids during gamma-irradiation] Kochetkov NK, et al. Dokl Akad Nauk SSSR 195:410-2, 1970 (Rus)

[Dependence of the behavior of radioactive isotopes in the organism on their physico-chemical characteristics] Dubrovina ZV, et al. Med Radiol (Mosk) 15:41-7, Oct 70 (Rus)

[Fundamental principles of radiation chemistry] Gol'danskif VI. Vestn Akad Nauk SSSR 40:62-71, Sep 70 (Rus)

STANDARDS

A simplified radiochromatographic purity check. Gutkowski RF, et al. J Nucl Med 12:513-5, Jul 71

[Quality control of radiopharmaceuticals] Woldring MG. Pharm Weekbl 106:172-81, 19 Mar 71 (Dut)

RADIODERMATITIS (C12, C14)

Erythropoietic protoporphyria. VI. The synergistic effect of ultraviolet and infrared radiation and protection against these wavelengths. Runge WJ, et al. Acta Derm Venereol (Stockh) 51:55-8, 1971

A complication of the use of radiation for malignant neoplasia in chronic discoid lupus erythematosus. Urtasun RC. J Can Assoc Radiol 22:168-9, Jun 71

Cutaneous mastocytosis: an unusual radiation dermatitis. Macdonald A, et al. Proc R Soc Med 64:29-30, Jan 71

Fibrosis of skin and subcutaneous tissue following megavoltage radiotherapy. Ridley CM, et al. Trans St Johns Hosp Dermatol Soc 57:190-6, 1971

[Acute accidental radiodermatitis] Mestdagh C, et al. Arch Belg Dermatol Syphiligr 24:73-5, 1968 (Fre)

[Problems posed by radiodermatitis] Bertaud J, et al. Arch Mal Prof 32:299-302, Mar 71 (Fre)

[Mastocytes and cutaneous reactivity of the delayed type] Ippolito F, et al. G Ital Dermatol 44:475-6, Sep 69 (Ita)

[Skin reactions after telegammatherapy through grid diaphragms] Aliev BM. Med Radiol (Mosk) 15:57-62, Sep 70 (Rus)

DRUG THERAPY

[On the effect of kallikrein on irradiated skin of large white pigs] Goffin JC, et al. J Belge Radiol 53:300-10, Jul-Aug 70 (Fre)

[Treatment of therapy-resistant radiation-ulcers with antibiotic-filled paraffin plugs] Jenke S, et al. Dtsch Gesundheitsw 25:1711-3, 3 Sep 70 (Ger)

[Increased tolerance of the mucous membrane during irradiation of the oral cavity by use of depot padutin] Velkov K. God Zb Med Fak Skopje 16:385-9, 1970 (Ser)

ETIOLOGY

Beryllium window tubes for mammographic examinations. Wright DJ, et al. Br J Radiol 44:480, Jun 71

My own experience with radiation damage, being a victim of my profession. Schneider GH. Radiol Clin Biol 39:434-6, 1970

OCCURRENCE

[Late reaction following radiation with Sr90-derma plates, followed up for 8 and more years] Bekerus M. Strahlentherapie 140:105-7, Jul 70 (Ger)

PREVENTION & CONTROL

Protection of skin from germicidal ultraviolet radiation in the operating room by topical chemicals. Parrish JA, et al. N Engl J Med 284:1257-8, 3 Jun 71

SURGERY

[Epaulette skin flap for post-radiotherapy necrosis of the subclavicular hollow (2 cases, 1 with osseous necrosis of the clavicle)] Mourgues G de, et al. Lyon Chir 67:67-8, Jan-Feb 71 (Fre)

[Radiodermatitis of the hands and skin graft] Lagrot F. Therapie 26:353-9, Mar-Apr 71 (Fre)

[Radiation syndromes and their consequences in maxillo-facial surgery] Gabka J. Stoma (Heidelb) 24:71-92, May 71 (Ger)

[Treatment of radiation-induced cutaneous lesions of the popliteal region with suprapatellar tubular flap] Fontana PF, et al. Minerva Chir 25:1011-5, 31 Jul 70 (Ita)

THERAPY

[My experience with x-ray injuries and Maruyama vaccine] Sanada N. J Jap Dent Assoc 23:985-9, Jan 71 (Jap)

RADIOGRAPHY (E1)

see also related
CONTRAST MEDIA (D13)

Roentgenologic features of umbilical vascular catheterization in the newborn. Campbell RE. Am J Roentgenol Radium Ther Nucl Med 112:68-76, May 71

Inefficient use of x rays in diagnostic radiology. Taylor LS. Am J Roentgenol Radium Ther Nucl Med 111:635-9, Mar 71

The AEI analytical electron microscope, EMMA-4, and its applications. Chandler J. Arch Int Physiol Biochim 78:988-9, Dec 70

Examination in anatomy for the diploma in diagnostic radiology. Hood JH. Australas Radiol 14:156-63, May 70

Report of the Eighteenth Baker Fellow. Porter AJ. Australas Radiol 14:139-52, May 70

Positioning of film badges. Langmead WA, et al. Br J Radiol 44:480-1, Jun 71

Localization of removable 192 Ir seed implants. Randall GJ, et al. Br J Radiol 44:646-7, Aug 71

Agreement between clinical and radiological diagnosis. Sutheland GR. Br Med J 4:212-4, 24 Oct 70

Construction and use of a new portable, ring-stand, two-plane, low-dose, x-ray television unit for fracture surgery. Eriksson E. Bull Soc Int Chir 30:8-11, Jan-Feb 71

Radiation control in diagnostic roentgenology. Bushong SC. Health Phys 19:557-61, Oct 70

Medical radiation exposure survey in a hospital with a nuclear medicine laboratory. LeBlanc A, et al. Health Phys 19:433-7, Sep 70

Exposure rates from diagnostic x-ray units. McCullough EC, et al. Health Phys 20:443-4, Apr 71

Contrast perception in imaging systems. Rao GU. Int J Appl Radiat Isot 21:571-80, Oct 70

Capabilities of a single scan TV-radiographic system for digital data acquisition. Baily NA, et al. Invest Radiol 6:273-9, Jul-Aug 71

The use of radiography in podiatry. Weiner EM. J Am Podiatry Assoc 61:141-2, Apr 71

Algebraic reconstruction techniques (ART) for three-dimensional electron microscopy and x-ray photography. Gordon R, et al. J Theor Biol 29:471-81, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A simple, inexpensive technique for photographing roentgenograms. Griffith DP. J Urol 104:751-2, Nov 70
Three-dimensional time sequence roentgenography. Hoppenstein R. JAMA 217:922-8, 16 Aug 71
Medical uses of radiation. Walker JF. JAMA 216:1348, 24 May 71
Radiographic identification of commonly used pulse generators--1970. Walter WH 3d. JAMA 215:1974-5, 22 Mar 71
Pattern recognition for radiographers. Bergin JH. Lancet 1:913-4, 1 May 71
Pattern recognition by radiographers. Lucas SB. Lancet 1:859-60, 24 Apr 71
Pattern recognition by radiographers. Simpson W, et al. Lancet 1:707, 3 Apr 71
Pattern recognition for radiographers. Stabler J, et al. Lancet 1:756-7, 10 Apr 71
Pattern recognition for radiographers. Swineburne K. Lancet 1:589-90, 20 Mar 71
The demonstrative value of the radiography of shoes in cases of electrocution. Kunnen M, et al. Med Sci Law 10:45-6, Jan 70
Medical x-ray exposure among Hiroshima and Nagasaki A-bomb survivors. Russell WJ. Nippon Acta Radiol 30:12-54, Jan 71
Specimen and object radiography. Kriss N. NY State J Med 71:1734-9, 15 Jul 71
Attenuation of x-rays in the human body. Cohen M. Radiography 37:88-90, Apr 71
The hospital radiographer--a profile. Dellar HJ, et al. Radiography 36:278-80, Nov 70
Useful tip for the radiography of children. Hobson D, et al. Radiography 37:90, Apr 71
Radiography: challenge and responsibility. Shofner OE. Radiography 36:273-6, Nov 70
The radiographer's job. Swain JR. Radiography 37:57-60, Mar 71
The selection of exposure factors. Thariath BM. Radiography 37:125-7, May 71
A priority system for the inspection of x-ray facilities. Dillard BL, et al. Radiol Health Data Rep 11:367-72, Aug 70
Results of radiation safety surveys of X-ray facilities within the Bureau of Prisons and Federal Health Programs Service. Miller LA, et al. Radiol Health Data Rep 12:129-35, Mar 71
The aesthetic method in radiographic exposure. Singer BH. Radiol Technol 42:411-6, May 71
Radiopacity of oral nonliquid medications. Handy CA. Radiology 98:525-33, Mar 71
Rapid radiograph copying from closed-circuit television. Hayt DB. Radiology 100:698-9, Sep 71
Informed consent. Hinck VC, et al. Radiology 97:688-9, Dec 70
An infinite number of laminagrams from a finite number of radiographs. Miller ER, et al. Radiology 98:249-55, Feb 71
A simple device for infant warming during radiography. Newman DE, et al. Radiology 97:439-40, Nov 70
Four-dimensional time-sequence radiography. Schechter MM, et al. Radiology 99:551-8, Jun 71
Spatial frequency spectra of radiographic images. Ziskin MC, et al. Radiology 98:507-17, Mar 71
The needs of the occupational physician for diagnostic radiological services. Gauvain S. Trans Soc Occup Med 21:79-86, Jul 71
Radiodiagnostic over kill. Cimmino CV. Va Med Mon 98:116-7, Feb 71
[Computing "à la petite semaine" or results of a concrete experience of a medico-administrative management of a radio-diagnosis unit for 1 year] Hassan M, et al. Ann Radiol (Paris) 13:845-56, 1970 (Fre)
[Recommendations concerning protection of patients and personnel in radio-diagnosis] Kayser P. Bull Soc Sci Med Grand Duche Luxemb 105:71-7, Nov 68 (Fre)
[New general considerations on protection in medical radiodiagnosis or the general practitioner and radioprotection] Buchet R. Can Med 11:1297-301, 15 Dec 70 (Fre)
[Automatic data processing and radiology] Haene R de, et al. J Belge Radiol 54:83-91, Jan-Feb 71 (Fre)
[Introduction to medical neutrography] Buchet R. J Radiol Electrol Med Nucl 51:269-78, May 70 (Fre)
[Contribution of modern teleradiographic cephalometry to the study of facial growth] Cousin P. Rev Belge Med Dent 25:593-618, 1970 (Fre)
[The problem of radiologic service in urban type polyclinics] Kagan EM, et al. Sante Publique (Bucur) 12:299-304, 1969 (Fre)
[Sequential roentgen-stereotelevision using Vidikon] Fritzsche W. Biomed Tech (Stutig) 16:62-3, Apr 71 (Ger)
[Reproduction of roentgen pictures] Derlath S. Dtsch Med J 22:325-9, 20 May 71 (Ger)
[Storage-time for x-ray pictures] Lissner J. Dtsch Med Wochenschr 96:655, 9 Apr 71 (Ger)
[Methods for the storage of harmonized radiographs on 35 mm film. (Preliminary report)] Bergerhoff W, et al. Fortschr Geb Roentgenstr Nuklearmed 114:269-72, Feb 71 (Ger)
[ORVID system. A contribution on programmed documentation in roentgen diagnosis] Koeppe P, et al. Fortschr Geb Roentgenstr Nuklearmed 11:103-10, Jan 70 (Ger)
[Erroneous evaluation of roentgenological pictures] Probst J. Hefte Unfallheilkd 102:207-16, 1970 (Ger)
[Radiation protection of children] Schuster W. Hefte Unfallheilkd 102:173-8, 1970 (Ger)
[Patient material at a radiologic department in Western Africa] Schertel L. Med Klin 66:652-7, 23 Apr 71 (Ger)
[Storage of x-ray film duplicates allowing for simple data processing] Läser S. Radiol Clin Biol 39:253-5, 1970 (Ger)
[Comparison of the image quality of all of the image-production systems used in radiology] Angerstein W. Radiol Diagn (Berl) 10:467-80, 1969 (Ger)
[Relation beteen local frequencyspectrum, picture content and diagnostic radiography] Angerstin W. Radiol Diagn (Berl) 10:485-90, 1969 (Ger)
[Perceptual conditions in the evaluation of x-rays] Dalicho WA. Radiol Diagn (Berl) 10:525-7, 1969 (Ger)
[The improvement of the angle setting of x-ray machines] Grossmann H. Radiol Diagn (Berl) 11:135, 1970 (Ger)
[Technical prerequisites for evaluation and attention to image quality in the radiodiagnostic practice] Krieg R. Radiol Diagn (Berl) 10:437-46, 1969 (Ger)
[The spatial frequency spectrum. A means of studying the quality of x-ray picture-generating systems] Rossmann K. Radiol Diagn (Berl) 11:683-96, 1970 (Ger)
[The modification of image quality of the x-ray image production system by focal point and picture geometrics. Geometric enlargement] Stargardt. Radiol Diagn (Berl) 10:507-13, 1969 (Ger)
[Radiography in operating and plaster rooms] Kollath J, et al. Radiologe 11:61-2, Feb 71 (Ger)
[Influence of technical progress on the patient dose in radiography] Schott O. Radiologe 10:353-7, Sep 70 (16 ref.) (Ger)
[Radiography in operating rooms. Experiences in a surgical university-clinic] Wenz W, et al. Radiologe 11:68-72, Feb 71 (Ger)
[4th World Congress of the International Society of Radiographers and Radiological Technicians (I.S.R.R.T.) in Tokyo--scientific program report] Martin M. Roentgenpraxis 23:18-23, Jan 70 (Ger)
[X-ray diagnostic examination method. Review of the past and trends of the future] Plaats GJ van der. Roentgenpraxis 23:291-9, Dec 70 (Ger)
[Recording and perception in diagnostic roentgenology] Salinger H. Harefuah 77:447-9, 16 Nov 69 (Heb)
[Indications, limitations and risks in radiological studies for routine periodical health check-ups] Benassi E. Minerva Med 62:1599-602, 18 Apr 71 (Ita)
[Indications, limitations and cautions in radiological examinations for routine periodical health check-ups] Benassi E, et al. Minerva Med 62:975-82, 7 Mar 71 (Ita)
[Organization of the radiodiagnostic department] Cosmacini G. Minerva Med 61:4407-14, 6 Oct 70 (Ita)
[Organization of the radiodiagnostic department] Pompili G. Minerva Med 61:4397-406, 6 Oct 70 (Ita)
[Data processing in radiology] Sciacchitano A. Minerva Med 61:4415-21, 6 Oct 70 (Ita)
[Measurements for reducing the absorbed dose of the patient in roentgen diagnosis] Torretta A, et al. Minerva Med 62:782-3, 24 Feb 71 (Ita)
[Notes on gonadal absorbed doses in roentgen diagnosis] Torretta A, et al. Minerva Med 62:779-81, 24 Feb 71 (Ita)
[The computer in diagnostic radiology. Our current experience] Chiesa A, et al. Quad Radiol 35:211-45, 26 Oct 69 (Ita)
[Description of a dosimetric system with "film-badge" for protection of the personnel in the medical field] Belletti S. Radiol Med (Torino) 55:361-70, Apr 69 (Ita)
[Use of a small comouter in radiological differential diagnosis. The Bayes theorem] Di Pietranton] F. Radiol Med (Torino) 55:1100-7, 1 Nov 69 (Ita)
[On protection from sources of ionizing radiations in a radiological service] Muscettola G, et al. Radiol Med (Torino) 55:1041-60, 1 Nov 69 (Ita)
[Linacgraphy (supervoltage roentogenography by medical plane acceletor)] Tatsuno I, et al. Iryo 24:883-92, Nov 70 (Jap)
[Clinical practice of magnifying radiography] Maeda T, et al. Rinsho Hoshasen 16:31-9, Jan 71 (Jap)
[Round table discussion: development of double contrast radiography] Shirakabe H, et al. Rinsho Hoshasen 16:588-98, Jul 71 (Jap)
[Theories of magnifying radiography] Takahashi S, et al. Rinsho Hoshasen 16:1-6, Jan 71 (Jap)
[Autopsy for roentgenological analysis] Uchijima H, et al. Rinsho Hoshasen 16:41-5, Jan 71 (Jap)
[Advantages derived from the use of the so-called raised voltage in radiological diagnosis in children] Kowalski R, et al. Pediatr Pol 46:487-94, Apr 71 (Pol)
[Color radiography by the optic method and its application for obtaining anaglyphs and for neuroradiological studies] Zajgner J. Pol Przegl Radiol 35:321-35, May-Jun 71 (Pol)
[Method of obtaining an x-ray scannographic image] Gleĭzer IuIa, et al. Med Radiol (Mosk) 15:35-8, Dec 70 (Rus)
[Determination of radiation loading in x-ray diagnostic studies using the method of thermoluminescent dosimetry] Gubatova DIa, et al. Med Radiol (Mosk) 15:61-5, Nov 70 (Rus)
[Infringement on methodical conditions of comparability by some radiographic data on bone age] Belogorskiĭ VIa, et al. Sud Med Ekspert 13:23-5, Jul-Sep 70 (Rus)
[Endonasal transphenoidal removal of hypophyseal tumors under x-ray television screen control] Blagoveshchenskaia NS, et al. Vestn Otorinolaringol 33:73-9, Jan-Feb 71 (Rus)
[Application of a chemical method of dosimetry in x-ray studies] Sobol' IS. Vestn Rentgenol Radiol 45:74-6, Nov-Dec 70 (Rus)
[Superpostional system of information search for x-ray archives] Vlasov PV, et al. Vestn Rentgenol Radiol 45:90-2, Jul-Aug 70 (Rus)
[Use of visual aids in lectures and practical training in the department of roentgenology and radiology] Zakharov BI. Zdravookhr Ross Fed 15:28-30, Jun 71 (Rus)
[Use of roentgen in forensic expert testomonies] Popović D, et al. Med Pregl 23:73-7, 1970 (Ser)
[Radiography department diagnostic results] Bergstrand I, et al. Lakartidningen 68:2941-7, 16 Jun 71 (Swe)
[Production control with automatic data processing. II. Radiography departments] Brolin I. Lakartidningen 68:229-35, Jan 71 (Swe)
[Röntgen methods with restrictions: the 70mm technic should not be used indiscriminately] Mattsson O. Lakartidningen 68:329-34, 20 Jan 71 (Swe)
[Necessary röntgen examinations--and unnecessary] Wetterfors J. Lakartidningen 68:532-3, 3 Feb 71 (Swe)
[X-ray-film archive--account of special inquiry] Holmdahl KH, et al. Nord Med 84:1312, 8 Oct 70 (Swe)
[Patient radiation protection in radiologic diagnosis. Presentation of a report from the international radiation protection commission] Larsson LE. Nord Med 85:159, 4 Feb 71 (Swe)
[Information content of gamma pictures and scintigrams] Vauramo E. Nord Med 85:939-40, 5 Aug 71 (Swe)
[Main radiological signs of the 4p- syndrome] Franceschini P, et al. Ann Radiol (Paris) 14:335-40, Mar-Apr 71 (Mul)

ADVERSE EFFECTS

Medical uses of radiation. Sagan LA. JAMA 215:1977-8, 22 Mar 71
Maternal diagnostic x-irradiation before conception and the frequency of mongolism in children subsequently born. Stevenson AC, et al. Lancet 2:1335-7, 26 Dec 70
Prenatal radiation exposure and childhood cancer. Stewart A, et al. Lancet 1:42-3, 2 Jan 71
Long-term effects of diskography in dogs. Garrick JG, et al. Minn Med 53:849-50, Aug 70
Maternal diagnostic x-irradiation before conception. Mason R. Nurs Times 67:378-9, 1 Apr 71
Trisomy associated with diagnostic X-rays. Uchida IA. South Med J 64:Suppl1:81-4, Feb 71
[Side effects of x-ray contrast media] Fischer H. Med Klin 65:501-6, 13 Mar 71 (Ger)
[Iatrogenic lesions in neuroradiology] Huber P. Ther Umsch 27:374-8, Jun 70 (Ger)
[Instrumental investigation of the urinary tract, particularly in urinary stasis] Mebel M. Z Urol Nephrol 63:87-94, Feb 70 (Ger)
[On the risks of genetic damage in roentgen diagnostic practice] Torretta A, et al. Minerva Med 62:776-8, 24 Feb 71 (Ita)
[A case of congenital hypoplasia of the femur in a child] Wieczorkiewicz B, et al. Pediatr Pol 45:731-3, Jun 70 (Pol)
[Embolism of the cerebral vessels following administration of oxygen into the knee joint] Rubezhanskiĭ IuA. Vestn Khir 105:136-7, Nov 70 (Rus)

CLASSIFICATION

Comparative study of roentgen diagnostic classifications. Computer analysis of 124,496 roentgen reports. Koivisto E. Acta Radiol [Diagn] (Stockh) Suppl 285:1+, 1969
[Classification of X-ray screening and evaluation of radiologist's efficiency by electronic data processing] Brekkan A. Nord Med 84:1633, 17 Dec 70 (Nor)

HISTORY

Röntgen oration, 1969: the new photographers. (Lyle TR), (Slattery J), Miller D. Australas Radiol 14:129-38, May 70
The archives of the College. Guide to the Herbert Roy Sear Collection. Owen MD. Australas Radiol 14:332-42 conci, Aug 70
Early x-rays. Thomson AP. Br Med J 4:617-8, 5 Dec 70
Occasion for an international view. The Society's Golden Jubilee--1920-1970. Denley KC. Radiography 36:178-80, Aug 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

From the beginning. England IA.
Radiography 37:27-38, Feb 71
The early M.S.R. examination. Kirby JR.
Radiography 36:287-90, Dec 70
Looking back. Scott J. Radiography 36:206-9, Aug 70
Professor Rontgen's discovery. By A.A.C. Swinton. Nature, January 23, 1896. (Röntgen WC), Radiography 36:189-90, Aug 70
On a new kind of rays. By W.C. Rontgen. Translated by Arthur Stanton from the Sitzungsberichte der Würzburger Physic-medic. Gesellschaft, 1895. Nature, January 23, 1896. (Röntgen WC), Radiography 36:185-8, Aug 70
[The discovery of roentgen rays 75 years ago] (Röntgen WC), Wylick WA van.
Ned Tijdschr Geneeskd 114:1869-70, 7 Nov 70 (Dut)
[75 years of x-rays. Vienna and Rönten's discovery. Comments on the article of E. Hüttig and W. Trummert, Müch. med. Wschr. 112 (1970) 45, 2050-5] (Röntgen WC), Lesky E.
Munch Med Wochenschr 113:134-6, 22 Jan 71 (Ger)
[75 years of x-rays] (Röntgen WC), Trummert W.
Munch Med Wochenschr 113:137, 22 Jan 71 (Ger)
[75th anniversary of x-rays and x-ray photography] Borcke E. Roentgenpraxis 23:277-91, Dec 70 (Ger)
[Awards of the Röntgen plaque, 1970]
Roentgenpraxis 23:274-5, Nov 70 (Ger)
[X-rays in the history of science] Gerlach W.
Strahlentherapie 140:245-51, Sep 70 (Ger)
[75th anniversary of the discovery of roentge rays] Pytl' AIa.
Urol Nefrol (Mosk) 35:3-10, Sep-Oct 70 (Rus)
[Aneuroradiographic case 1896] Knutsson F.
Nord Med 85:247-8, 25 Feb 71 (Swe)

INSTRUMENTATION

Why color roentgenography? Bonann LJ.
Am J Roentgenol Radium Ther Nucl Med 110:418-20, Oct 70
Report of inter-society commission for heart disease resources. II. Cardiovascular disease-acute care. Optimal radiologic facilities for examination of the chest and the cardiovascular system.
Circulation 43:A129-56, Feb 71
Developments and applications of a new type test chart for radiographic image quality measurement. Tamoto Y, et al. Nippon Acta Radiol 30:591-606, Oct 70
Neutron radiography of the dental pulp. A preliminary report. Weisman MI, et al. Oral Surg 32:487-92, Sep 71
Improvements in the radiological image. A report from the Radiation Study Section of the National Institutes of Health. Roesch WC, et al. Radiology 97:442-7, Nov 70
[5 years' experience with the use of exposure automatons in routine radiodiagnosis] Parouty J.
J Radiol Electrol Med Nucl 51:773-7, Dec 70 (Fre)
[Physical-technical parameters of x-ray amplificationfilms and illumination screens] Brandt GA. Radiol Diagn (Berl) 10:455-65, 1969 (Ger)
[The focal point of the rotating anode-roentgen tube--a factor in theimage-prouction system] Rössel R.
Radiol Diagn (Berl) 10:447-9, 1969 (Ger)
[Image quality of the roentgen projection camera] Zöliner H. Radiol Diagn (Berl) 10:451-4, 1969 (Ger)
[A versatile suitable roentgen room with a mobile BV-FS-system] Wright FW, et al.
Roentgenpraxis 24:141-4, Jun 71 (Ger)
[Support for radiography of congenital distorted feet] Manfrini Z. Chir Organi Mov 59:279-84, 1970 (Ita)
[Durability of domestic fluorescent light tubes of doubled intensity--annual decrease of brightness] Asakawa H, et al.
Rinsho Hoshasen 16:151-5, Feb 71 (Jap)
[Test for the resolving power of the magnifying radiography tube] Okajima S.
Rinsho Hoshasen 16:40, Jan 71 (Jap)
[Development of the Yamagata-Atami all-purpose radiographic apparatus] Yamagata S, et al.
Rinsho Hoshasen 15:858-66, Nov 70 (Jap)
[A supporting table for pneumoarthrography of the knee joint] Chalganov AI. Klin Khir 4:88-9, 1971 (Rus)

MANPOWER

Staffing levels--a look to the future. Russell EJ, et al.
Radiography 36:133-5, Jun 70
[The roentgen crisis is getting worse] Falk B.
Lakartidningen 68:821-4, 17 Feb 71 (Swe)

NURSING

The emergency room nurse orders x-rays of distal limbs in orthopedic trauma. Bliss A, et al.
Nurs Res 20:440-3, Sep-Oct 71

STANDARDS

Kilovoltage calibration of diagnostic roentgen ray generators. Bhatnagar JP, et al.
Acta Radiol [Ther] (Stockh) 9:555-66, Dec 70
[Diagnostic effectiveness in roentgen examination of the stomach using a standardized basic program] Böck G, et al. Dtsch Gesundheitsw 26:871-4, 6 May 71 (Ger)
[Principles for a methodological standardization of the x-ray examination of stomach and duodenum] Richter K, et al. Radiol Diagn (Berl) 10:545-55, 1969 (Ger)

UTILIZATION

Discrimination in radiology. Gemell NI, et al.
N Engl J Med 284:858, 15 Apr 71
Survey results of the use of x rays in the healing arts specialties in North Dakota, 1964-1968. Kraeger JA, et al. Radiol Technol 42:161-74, Nov 70

VETERINARY

[Examinations of the x-ray absorption effect of externally administered drugs in x-ray pictures] Hartung K, et al.
Schweiz Arch Tierheilkd 112:480-6, Sep 70 (Ger)

RADIOGRAPHY, DENTAL (E1, E6)

Notes on interpretation of the orthopantomogram. Rowse CW. Br Dent J 130:425-34, 18 May 71
The sensitometric evaluation of dental radiographic film. Smith NJ. Br Dent J 129:455-60, 17 Nov 70
Panoramic radiography. Pettit GG.
Dent Clin North Am 15:169-82, Jan 71 (5 ref.)
Automated measurements of photographs and radiographs. Houston WJ.
Dent Pract Dent Rec 21:100, Nov 70
Pedodontic radiography. Bachman LH.
Dent Radiogr Photogr 44:51-6 passim, 1971
Pedodontic radiographic interpretation. Berkman M.
Dent Radiogr Photogr 44:27-39 passim, Apr 71 (19 ref.)
Shades of white. Interpretation of radiopacities. Calman HI, et al. Dent Radiogr Photogr 44:3-10, 1971
CaSO4-Mn dosimetry in dental x-ray diagnosis. Eggermont G, et al. J Belge Radiol 53:212-9, 1970
The observer process in the visual interpretation of radiographs. Goldstein IL, et al.
J Dent Educ 35:485-91, Aug 71
The temporomandibular joint survey by Orthopantomo N-70. Ando S, et al.
J Nihon Univ Sch Dent 12:154-8, Dec 70
Interpretation of panorex radiographs. O'Carroll MK.
J Oral Med 26:86-92, Apr-Jun 71
Importance of dental x-rays. Salzman L.
NY J Dent 41:106, Mar 71
The uminschodent skull holder. Beck JO Jr.
Oral Surg 32:318-23, Aug 71
A survey of the qualifications and training of dental radiology faculty members and of their radiologic facilities. Greer DF, et al. Oral Surg 31:114-21, Jan 71
Oral manifestations of hemoglobinopathies. A case of homozygous hemoglobin C disease diagnosed as a result of dental radiographic changes. Halstead CL.
Oral Surg 30:615-23, Nov 70
Scattered radiation absorbers in intraoral radiography. Shawkat AH. Oral Surg 31:439-46, Mar 71
Visualizing the mandibular ramus in panoramic radiography. Updegrave WJ.
Oral Surg 31:422-9, Mar 71
Fitting an image to the eye: a conceptual basis for preprocessing radiographs. Webber RL, et al.
Oral Surg 37:831-7, Jun 71
X-ray beam profiles and oral radiography. Weissman DD, et al. Oral Surg 31:546-55, Apr 71
Results of 33,911 x-ray protection surveys of facilities with medical or dental diagnostic x-ray equipment, fiscal years 1961-1968. Fess LR, et al.
Radiol Health Data Rep 11:581-612, Nov 70
Diagnosis of periapical osteolytic processes with orthopantomography and intraoral full mouth radiography--a comparison. Gröndahl HG, et al.
Sven Tandlak Tidskr 63:879-86, Oct 70
A new approach to the theory of pantomographic methods. Preliminary report. Welander U, et al.
Sven Tandlak Tidskr 64:173-4, Mar 71
[Assessment and determination of correct filtration of radiation in the most frequently used types of stomatological x-ray devices] Kukačka R.
Cesk Radiol 25:184-8, Jul 71 (Cze)
[Roentgen riddles] Boer JG de.
Ned Tijdschr Tandheelkd 77:356-8, Oct 70 (Dut)
[Some of the filing systems for dental x-rays] Kloprogge MJ.
Ned Tijdschr Tandheelkd 78:65-7, Feb 71 (Dut)
[A monobath with its film] Poel AC van de.
Ned Tijdschr Tandheelkd 77:380-2, Nov 70 (Dut)
[The exposure and development of dental x-ray films. A spot check] Poel AC van de, et al.
Ned Tijdschr Tandheelkd 77:341-6, Oct 70 (Dut)
[Discrepancies between dental practice and dental education]
Ned Tijdschr Tandheelkd 78:280-3, Jul 71 (Dut)
[Orthodontics, growth and teleradiography] Gysel C.
Rev Belge Med Dent 25:583-4, 1970 (Dut)
[The role of panoramic radiography in dentistry] Haye M.
Actual Odontostomatol (Paris) 24:359-72, Sep 70 (Fre)
[Facial growth and axial (or vertical) teleradiography] Delaire J. Rev Belge Med Dent 25:619-42, 1970 (Fre)
[Radiation in the dental office] Jammes MR.
Rev Dent Liban 20:11-20, Sep 70 (Fre)
[Radiography of prosthetic and implantation materials according to the resources at out disposition] Caitucoli F, et al.
Rev Fr Odontostomatol 18:333-40, Mar 71 (Fre)
[Panoramic radiography of the jaws] Empereur-Buisson R, et al.
Rev Stomatoodontol Nord Fr 25:253-69, 1970 (Fre)
[Radiography with large-size film (Occlusal film) and its indication in dentistry] Humerfelt D.
DDZ 25:209-10 passim, Jun 71 (Ger)
[Roentgenologic localization of displaced teeth using the panorex procedure] Schmuth GP, et al.
DDZ 25:159-62, May 71 (Ger)
[Pedodontic and gnatho-odontometric study in 1st graders using orthopantomography] Dahan J, et al.
Fortschr Kieferorthop 31:467-83, Apr 71 (Ger)
[Panoramix radiography in prosthetics] Gasser F.
Schweiz Monatsschr Zahnheilkd 80:16-31, Jan 70 (Ger)
[Treatment of cavities-dental radiography-practice hygiene-systems. 18th International Dental Show 1971 in München] Kimmel KH.
Zahnaerztl Mitt 61:837-40, 1 Sep 71 (Ger)
[Measuring and adjusting method for endoral radiography] Roschmann OG.
ZWR 80:456-8, 25 May 71 (Ger)
[Orthopantomography in the radio-diagnosis of "minimal" mucosal changes of the maxillary sinuses] Sinigaglia P, et al.
Quad Radiol 35:393-406, 28 Oct 69 (Ita)
[Use of radio-opaque cold autopolymerizing resins] Tassarotti B.
Rass Int Stomatol Prat 21:195-202, Jul-Aug 70 (Ita)
[Panoramic dental radiography] Sairenji N.
J Jap Dent Assoc 23:535-46, Sep 70 (Jap)
[Panoramic x-ray photography] Kanda S.
J Jap Stomatol Soc 37:462, Dec 70 (Jap)
[Temporomandibular joint in new roentgenologic perspective] Tveito L.
Odontol Tidskr 77:437-49, 31 Dec 69 (Nor)
[Teleradiography, generalities, possibilities of the dental office, and a filter for the visualization of the soft tissue profile] Freitas PA de.
Ortodoncia 34:127-31, Apr 70 (Por)
[The part of radiographic examination in oral diagnosis] Sampaio RK.
Rev Bras Odontol 28:28-31, Jan-Feb 71 (Por)
[Technic of roentgenologic localization and nomenciature] Fitzgerald GM.
ADM 27:149-59, Mar-Apr 70 (Spa)
[Panoramatic roentgen apparatuses-Panoramix, Status X] Skotnický F. Cesk Stomatol 71:218-27, Jul 71 (Slo)

ADVERSE EFFECTS

[My experience with x-ray injuries and Maruyama vaccine] Sanada N.
J Jap Dent Assoc 23:985-9, Jan 71 (Jap)

HISTORY

Introduction to the use of the roentgen ray in dentistry. Morton SA. Rev Dent Liban 20:21-8, Sep 70

INSTRUMENTATION

A survey of dental x-ray equipment and radiological practices in Nassau County New York. Pentel L, et al.
Health Phys 20:59-71, Jan 71
Advances in dental pantomography: the GE-3000. Manson-Hing LR. Oral Surg 31:430-8, Mar 71
[Dental electronic control] Poel AC van de.
Ned Tijdschr Tandheelkd 78:13-20, Jan 71 (Dut)
[A new grid system for dental radiography] Raidl R.
DDZ 25:118-9, Apr 71 (Ger)
[Sensitive materials for radiographic use] Franco F, et al. Mondo Odontostomatol 13:63-5, 1970-71 (Ita)
[News about Eggen's film holder] Benkow HH.
Nor Tannlaegeforen Tid 81:26-32, Jan 71 (Nor)

STANDARDS

Geometric errors in measurements on x-ray films. A methodologic study on lateral model exposures. Krogstad O, et al. Acta Odontol Scand 29:185-6, Jun 71
Reproducibility of rating stages of tooth formation. Lebret LM. Am J Orthod 60:90-1, Jul 71
Clinical evaluation of a rectangular field collimating device for periapical radiography. Weissman DD, et al.
J Am Dent Assoc 82:580-2, Mar 71
Alberta's x-ray protection program: results of a survey of one hundred dental x-ray units. Wetherill JM.
J Can Dent Assoc 36:370-2, Oct 70
A technique for standardized serial dental radiographs. Plotnick IJ, et al. J Periodontol 42:297-9, May 71
A comparative sensitometric x-ray film study. Fleming RD. Oral Surg 31:701-18, May 71
Head and neck exposures from Panoramix roentgenography. McMahon JJ.
Oral Surg 31:122-32, Jan 71
Kilovolt peak and the visibility of lamina dura breaks. Manson-Hing LR. Oral Surg 31:268-73, Feb 71
Evaluation of a Westinghouse Panoramix x-ray machine. Woodcock RC, et al.
Oral Surg 32:650-63, Oct 71
[Isophotometric roentgenography of the teeth]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Shamaeva GG, et al.
Stomatologiia (Mosk) 50:3-5, Jan-Feb 71 (Rus)

UTILIZATION

The role of radiographs in clinical studies of caries-inhibitory agents. Richardson AS, et al. J Public Health Dent 31:158-65, Summer 1971
[Rational use of x-ray] Maier A.
DDZ 25:137-8, Apr 71 (Ger)

RADIOIMMUNOASSAY (E5)

Radioimmunoassay of urinary human chorionic gonadotrophin. Arends J.
Acta Endocrinol (Kbh) 66:611-26, Apr 71
A graphical method for the component analysis of binary hormone mixtures: dissimilarity of pituitary and urinary gonadotrophins in radioimmunoassay. Borth R. Acta Endocrinol (Kbh) 66:111-21, Jan 71
Immunoassay of human pituitary luteinizing hormone (LH) in urine. A comparison between a haemagglutination and radioimmunosorbent method. Hobson B. Acta Endocrinol (Kbh) 67:491-4, Jul 71
Potency estimates of human gonadotrophins by a bioassay and three immuno-assay methods. Robyn C, et al. Acta Endocrinol (Kbh) 67:417-33, Jul 71
Analysis of radioimmunoassay by disc electrophoresis and sucrose gradient centrifugation. Valenta L, et al. Acta Endocrinol (Kbh) 66:257-65, Feb 71
Development of a rapid, sensitive and specific method for the measurement of aldosterone by radioimmunoassay. Banks P, et al.
Acta Endocrinol [Suppl] (Kbh) 155:94, 1971
Radioimmunoassay of plasma oestrogens. Emment Y, et al. Acta Endocrinol [Suppl] (Kbh) 155:103, 1971
Comparison between conventional and radioimmunologic oestriol assays. Goebelsmann U, et al. Acta Endocrinol [Suppl] (Kbh) 155:104, 1971
Radioimmunoassay of oestrone. Jeffcoate SL, et al.
Acta Endocrinol [Suppl] (Kbh) 155:100, 1971
A four hours radioimmunoassay method for human luteinizing hormone (HLH) in plasma using the double antibody technique. Vekemans M, et al.
Acta Endocrinol [Suppl] (Kbh) 155:58, 1971
Radioimmunoassay of 17 -oestradiol. Wagner H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:102, 1971
An improved radioimmunoassay for plasma 17 -oestradiol. Wardlaw S, et al.
Acta Endocrinol [Suppl] (Kbh) 155:101, 1971
A rapid radioimmunoassay for insulin. Colt EW, et al.
Am J Clin Pathol 55:40-2, Jan 71
A kinetic method for determination of plasma renin activity using radioassay of Angiotensin I. Lehfeldt DC, et al. Am J Clin Pathol 55:513-22, May 71
Human parathyroid hormone: glandular and secreted molecular species. Arnaud CD, et al.
Am J Med 50:630-8, May 71
Clinical applications of radioimmunoassay of plasma parathyroid hormone. Berson SA, et al.
Am J Med 50:623-9, May 71 (13 ref.)
Immunoreactive luteinizing hormone in acetone precipitates and kaolin extracts of human urine. Baghdassarian A, et al.
Am J Obstet Gynecol 108:1178-82, 15 Dec 70
Radioimmunoassay of human chorionic gonadoropin: serum profile, circadian urinary excretion, and clearance values in pregnancy. Crosignni PG, et al.
Am J Obstet Gynecol 109:985-90, 1 Apr 71
Radioimmunoassay for estrogens in human pregnancy urine, plasma, and amniotic fluid. Gurpide E, et al.
Am J Obstet Gynecol 109:897-906, 15 Mar 71
Seven-hour radioimmunoassay of human chorionic gonadotropin. Halpern B, et al.
Am J Obstet Gynecol 110:412-4, 1 Jun 71
Alcohol precipitation technique in radioimmunoassay for luteinizing and follicle-stimulating hormones. Kazeto S, et al.
Am J Obstet Gynecol 109:952-7, 15 Mar 71
Antiurinary follicle-stimulating hormone serum in radioimmunoassay. Kazeto S, et al.
Am J Obstet Gynecol 108:1206-8, 15 Dec 70
Digitalis serum levels: clinical use. Doherty JE.
Ann Intern Med 74:787-9, May 71
Utility of the radioimmunoassay of serum thyrotrophin in man. Hershman JM, et al.
Ann Intern Med 74:481-90, Apr 71
Radioimmunoassay for human thyrotrophin. Clinical value in patients with normal and abnormal thyroid function. Mayberry WE, et al.
Ann Intern Med 74:471-80, Apr 71
Thyrotrophin radioimmunoassay: another test of thyroid function. Utiger RD.
Ann Intern Med 74:637-9, Apr 71
Single dilution radio-immune assay for the determination of anti-Rh-o (D) content of Rh-o (D) immune globulin. Paul EB, et al.
Biochem Biophys Res Commun 40:1380-4, 30 Sep 70
Fit of some analytical functions to insulin radio-immunoassay standard curves. Täljedal IB, et al.
Biochem J 119:139-43, Sep 70
Biological and immunological activity of fructose 1,6-diphosphatase. Application of a quantitative displacement radioimmunoassay. Kolb HJ, et al.
Biochemistry 9:4900-6, 8 Dec 70
Radioimmunoassay of glucagon released from isolated guinea-pig islets of Langrrhans incubated in vitro. Edwards JC, et al.
Biochim Biophys Acta 215:297-309, 14 Aug 70
Identification of an immunoreactive folate in serum extracts by radioimmunoassay. DaCosta M, et al.
Br J Haematol 21:121-30, Jul 71
Radioimmunoassay of thyroid and steroid hormones. Ekins RJ. Br J Radiol 43:828, Nov 70
Radioimmunoassay of human serum thyrotrophin. Hall R, et al. Br Med J 1:582-5, 13 Mar 71
Serum digoxin by radioimmunoassay. Hoeschen RJ, et al. Can Med Assoc J 105:170-3, 24 Jul 71
Radioimmunoassay of human growth hormone using a charcoal-dextran separation procedure. Virasoro E, et al. Clin Chim Acta 31:294-7, Jan 71
Computer calculation of radioimmunoassays. Brown GM, et al. Comput Biomed Res 3:212-7, Jun 70
Insulin immunoassay by back-titration; some characteristics of the technic and the insulin precipitant action of alcohol. Wright PH, et al.
Diabetes 20:33-45, Jan 71
Effects of enzymatic and chemical digestion on the immunological reactivity of human chorionic somatomammotropin. Beck C, et al.
Endocrinology 88:777-82, Mar 71
Comparisons of pituitary: serum luteinizing hormone (LH) ratios in the castrated rat by radioimmunoassay and OAAD bioassay. Bogdanove EM, et al.
Endocrinology 88:644-52, Mar 71
A radioimmunoassay for vasopressin binding proteins--neurophysin. Cheng KW, et al.
Endocrinology 88:608-19, Mar 71
Bioassay and radioimmunoassay of plasma ACTH in adrenalectomized rats. Matsuyama H, et al.
Endocrinology 88:696-701, Mar 71
Radioimmunoassay of plasma ACTH in intact rats. Matsuyama H, et al. Endocrinology 88:692-5, Mar 71
Radioimmunoassay of urinary antidiuretic hormone with application to study of the Brattleboro rat. Miller M, et al. Endocrinology 88:1389-96, Jun 71
Development of a radioimmunoassay for rat prolactin and evaluation of the NIAMD rat prolactin radioimmunoassay. Neill JD, et al.
Endocrinology 88:548-55, Mar 71
Radioimmunoassay for rhesus monkey luteinizing hormone(LH) with anti-ovine LH serum and ovine LH-131-I. Niswender GD, et al.
Endocrinology 88:1327-31, Jun 71
Studies of the measurement of bovine and porcine prolacting by radioimmunoassay and by systemic pigeon crop-sac bioassay. Raud HR, et al.
Endocrinology 88:991-1002, Apr 71
Radioimmunoassay determination of LH concentration in the serum of female pigs. Rayford PL, et al.
Endocrinology 88:707-13, Mar 71
A radioimmunoassay for rat plasma ACTH. Rees LH, et al. Endocrinology 89:254-61, Jul 71
Measurement of TSH in plasma and pituitary of the rat by a radioimmunoassay utilizing bovine TSH: effect of thyroidectomy or thyroxine administration on plasma TSH levels. Reichlin S, et al.
Endocrinology 87:1022-31, Nov 70
Radioimmunoassay for canine growth hormone. Tsushima T, et al. Endocrinology 89:685-93, Sep 71
Timing of ovulation by a rapid luteinizing hormone assay. Miyata J, et al. Fertil Steril 21:784-90, Nov 70
Radioimmunoassay of insulin in fishes, experiments in vivo and in vitro. Patent GJ, et al.
Gen Comp Endocrinol 16:41-6, Feb 71
Serum growth hormone levels in swine. Siers DG, et al.
Growth 34:419-30, Dec 70
Radioimmunoassay of bovine serum albumin and of anti-bovine serum albumin antibodies with the aid of polymerized bovine serum albumin. Sulitzeanu D, et al. Immunology 20:213-6, Feb 71
Measurement of aldosterone secretion rate by radio-immunoassay. Bayard F, et al.
J Clin Endocrinol Metab 31:507-11, Nov 70
Radioimmunoassay of arginine vasopressin in human plasma. Beardwell CG.
J Clin Endocrinol Metab 33:254-60, Aug 71
Radioimmunoassay of the F prostaglandins. Caldwell BV, et al. J Clin Endocrinol Metab 33:171-5, Aug 71
A sensitive new immunoassay for calcitonin employing labeled antibody. Colt EW, et al.
J Clin Endocrinol Metab 32:285-7, Feb 71
Measurement of medroxyprogesterone acetate (Provera) by radioimmunoassay. Cornette JC, et al.
J Clin Endocrinol Metab 33:459-66, Sep 71
Radioimmunoassay for triiodothyronine: A preliminary report. Gharib H, et al.
J Clin Endocrinol Metab 31:709-12, Dec 70
Radioimmunoassay for triiodothyronine (T 3): I. Affinity and specificity of the antibody for T 3 . Gharib H, et al. J Clin Endocrinol Metab 33:509-16, Sep 71
Studies on the cross-reaction between human growth hormone and human chorionic somatomammotropin in radioimmunoassay systems. Grant DB, et al.
J Clin Endocrinol Metab 32:68-93, Jan 71
Immunologic evidence for monkey and human prolactin (MPr and HPr). Guyda H, et al.
J Clin Endocrinol Metab 32:120-3, Jan 71
Rapid radioimmunoassay of human luteinizing hormone using polymerized anti-human chorionic gonadotrophin as immunoadsorbent. Isojima S, et al.
J Clin Endocrinol Metab 31:693-9, Dec 70
A combined immunoassay of human growth hormone and insulin: cumulative assessment of assay performance. Juan C, et al.
J Clin Endocrinol Metab 33:150-2, Jul 71
Radioimmunoassay of human thyroxine-binding globulin (TBG). Levy RP, et al.
J Clin Endocrinol Metab 32:372-81, Mar 71
Radioimmunoassay of human follicle-stimulating hormone with antisera to the ovine hormone. L'Hermite M, et al.
J Clin Endocrinol Metab 33:68-76, Jul 71
Radioimmunoassay of triiodothyronine in unextracted human serum. Mitsuma T, et al.
J Clin Endocrinol Metab 33:364-7, Aug 71
Radioimmunoassay for thyrotropin (TSH) in serum from baboons. Odell WD, et al.
J Clin Endocrinol Metab 31:700-1, Dec 70
Mathematical analysis of kinetics of radioligand assays: improved sensitivity obtained by delayed addition of labeled ligand. Rodbard D, et al.
J Clin Endocrinol Metab 33:343-55, Aug 71
Comparison of a rapid new method of hemagglutination inhibition assay of HPL with micro-complement fixation and radioimmunoassay. Theppisai H, et al.
J Clin Endocrinol Metab 32:382-8, Mar 71
Classic bioassay statistical procedures applied to radioimmunoassay of bovine thyrotropin, growth hormone and prolactin. Vivian SR, et al.
J Clin Endocrinol Metab 33:225-33, Aug 71
Fractionation of antibodies to human chorionic somatomammotropin: application to radioimmunoassay. Weintraub BD, et al.
J Clin Endocrinol Metab 33:432-5, Sep 71
Iodination of angiotensin I for use in radioimmunoassay. Wilkinson R, et al.
J Clin Endocrinol Metab 33:545-8, Sep 71
Radioimmunoassay of 2-hydroxyestrone in human plasma. Yoshizawa I, et al.
J Clin Endocrinol Metab 32:3-6, Jan 71
Radioimmunoassay of human parathyroid hormone in serum. Arnaud CD, et al. J Clin Invest 50:21-34, Jan 71
Radioimmuno- and related assays: applicability to allbranches of pathology. Landon J.
J Clin Pathol 24:483, Jul 71
Immunoradiometric assay of parathyroid hormone. Addison GM, et al. J Endocrinol 49:521-30, Mar 71
A radioimmunoassay for serum tri-iodothyronine. Brown BL, et al. J Endocrinol 46:1, Feb 70
Development of a radioimmunoassay for calcitonin. Buckle RM. J Endocrinol 49:8, Mar 71
The development of a radioimmunoassay for oxytocin: radioiodination, antibody production and separation techniques. Chard T, et al.
J Endocrinol 46:269-78, Feb 70
The development of a radioimmunoassay for oxytocin: the extraction of oxytocin from plasma, and its measurement during parturition in human and goat blood. Chard T, et al. J Endocrinol 48:223-34, Oct 70
The development of a radioimmunoassay and a plasma extraction method for vasopressin. Edwards CR, et al.
J Endocrinol 48:xi-xii, Sep 70
A radioimmunoassay for testosterone, androstenedione and other 3-oxo-4-unsaturated steroids. Jeffcoate SL. J Endocrinol 49:2-3, Mar 71
The detection of antibody to hemocyanin by direct solid-phase (polystyrene) radioimmunoassay and gel filtration. Kotoulas AO, et al.
J Immunol 106:1630-40, Jun 71
Frequency of antibody to hepatitis-associated antigen as measured by a new radioimmunoassay technique. Lander JJ, et al. J Immunol 106:1166-71, May 71
Accurate and rapid measurement of plasma renin activity by radioimmunoassay. Results in normal and hypertensive people. Cohen EL, et al.
J Lab Clin Med 77:1025-38, Jun 71
Measurement of IgE in normal and allergic serum by radioimmunoassay. Gleich GJ, et al.
J Lab Clin Med 77:890-8, Apr 71
Radioimmunoassay of porcine cholecystokinin-pancreozymin. Go VL, et al.
J Lab Clin Med 77:684-9, Apr 71
A new phenomenon of usefulness in the radioimmunoassay of plasma adrenocorticotropic hormone. Matsukura S, et al.
J Lab Clin Med 77:490-500, Mar 71
Simplified method for radioimmunoassay of enzyme systems. Application on the human renin-angiotensin system. Poulsen K. J Lab Clin Med 78:309-15, Aug 71
Radioimmunoassay: a simplified procedure for dose interpolation. Weaver CK, et al.
J Lab Clin Med 77:661-4, Apr 71
A radioimmunoassay for human thyrotropin. Vigneri R, et al. J Nucl Biol Med 13:151-9, Oct-Dec 69
A rapid semi-automated method for the measurement of human chorionic somatomammotrophin. The normal range in the third trimester and its relation to fetal weight. Letchworth AT, et al.
J Obstet Gynaecol Br Commonw 78:542-8, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A radioactive antigen microprecipitin (RAMP) assay for schistosomiasis. Williams JS, et al. J Parasitol 57:220-32, Apr 71
Radioimmunoassay for serum digitoxin concentration: methodology and clinical experience. Smith TW. J Pharmacol Exp Ther 175:352-60, Nov 70
Quantitative determination of morphine in serum by radioimmunoassay. Spector S. J Pharmacol Exp Ther 178:253-8, Aug 71
Accurate and rapid measurement of plasma renin activity by radioimmunoassay. Results in normal and hypertensive people. Cohen EL, et al. J Radiol Electrol Med Nucl 52:1025-38, May 71
Immunological identification and quantifications of guinea pig heterophil and eosinophil peroxidases. Mage MG, et al. J Reticuloendothel Soc 9:201-8, Mar 71
Further improvements in the radioimmunoassay of human pituitary follicle-stimulating hormone (FSH). Leyendecker G, et al. Klin Wochenschr 49:658-60, 1 Jun 71
Digoxin radioimmunoassay. Butler VP Jr. Lancet 1:186, 23 Jan 71
Radioimmunoassay of plasmagastrin in pernicious anaemia, achlorhydria without pernicious anaemia, hypochlorhydria, and in controls. Ganguli PC, et al. Lancet 1:155-8, 23 Jan 71
Plasma-renin assay. Kritzinger EE, et al. Lancet 2:865, 18 Sep 71
A source of error in digoxin radioimmunoassay. Solomon HM, et al. Lancet 2:1038, 14 Nov 70
Radioimmunoassay of serum human chorionic gonadotropin during normal pregnancy. Varma K, et al. Obstet Gynecol 37:10-8, Jan 71
Studies on the radioimmunological determination of blood insulin by means of 125-I-insulin of high specific activity. Lawecki J, et al. Pol Med J 9:1338-45, 1970
Detection of Australia antigen by radioimmunoassay. Aach RD, et al. Proc Natl Acad Sci USA 68:1056-60, May 71
Measurement of plasma and urinary vasopressin by immunoassay. Edwards CR. Proc R Soc Med 64:842-4, Aug 71
A method for the quantitation of immunoglobulin class-specific antibodies. Fitzgerald GR. Proc Soc Exp Biol Med 137:52-8, May 71
Effect of inhibition of delta 5, 3 beta-hydroxysteroid dehydrogenase upon pituitary and serum radioimmunoassayable luteinizing hormone in the adult male rat. Goldman AS, et al. Proc Soc Exp Biol Med 136:672-4, Feb 71
Comparison of the two-antibody and charcoal radioimmunoassays for human plasma insulin. Logsdon DF, et al. Radiol Technol 42:387-91, May 71
Plasma renin concentration measured by use of radioimmunoassay for angiotensin I. Giese J, et al. Scand J Clin Lab Invest 26:355-67, Dec 70
Radioimmunoassay for prostaglandins. Jaffe BM, et al. Science 171:494-6, 5 Feb 71
A radioimmunoassay for plasma testosterone. Furuyama S, et al. Steroids 16:415-28, Oct 70
A radioimmunoassay for plasma progesterone. Furuyama S, et al. Steroids 17:663-74, Jun 71
Measurement of plasma angiotensin II by radioimmunoassay. Fukuchi S, et al. Tohoku J Exp Med 103:185-93, Feb 71
Evidence for the presence of inhibitor and some trials for its prevention in radioimmunoassay of plasma glucagon by two-antibody system. Oneda A, et al. Tohoku J Exp Med 103:257-68, Mar 71
Radioimmunoassay of human urinary immunoglobulin G. Saravis CA, et al. Vox Sang 13:349-53, Oct 67
Radioimmunoassay of Australia antigen. Walsh JH, et al. Vox Sang 19:217-24, Sep-Oct 70
[Development and several applications of a radioimmunoassay of ovine luteinizing hormone (LH)] Baron G, et al. Ann Endocrinol (Paris) 32:43-55, Jan-Feb 71 (Fre)
[Radioimmunoassay of rat FSH and radioimmunological study of the cross reaction between rat, sheep and swine FSH] Hendrick JC, et al. Ann Endocrinol (Paris) 32:241-51, 2 Mar-Apr 7 (Fre)
[Results of radioimmunological determination of plasmatic pituitary thyreostimuline (T.S.H.) in normal children and in congenital hypothyroidism] Binet E, et al. Arch Fr Pediatr 28:179-90, Feb 71 (Fre)
[Radioimmunologic determination of gastrin] Accary JP, et al. Biol Gastroenterol (Paris) 1:79-91, 1971 (50 ref.) (Fre)
[Results and indications of plasma radioimmunologic determination of luteinizing gonadotropic factor] Ferin J, et al. Brux Med 50:103-7, Feb 70 (Fre)
[Insulin in the aqueous humor in man. (Radioimmunologic assays in cataract and diabetic retinopathy)] Toselli C, et al. Bull Soc Belge Ophtalmol 155:496-500, Jun 70 (Fre)
[Radioimmunoassay of the ovine folliculo-stimulating hormone (FSH)] Bailly du Bois M, et al. C R Acad Sci [D] (Paris) 271:1556-9, 28 Oct 70 (Fre)
[Radioimmunoassay of plasma estrone and estradiol-17 beta] Castanier M, et al. C R Acad Sci [D] (Paris) 271:1787-9, 16 Nov 70 (Fre)
[Radioimmunologic determination of somatomammotrophic chorionic hormone: HCS (or placental lactogenic hormone: HPL) in the plasma during pregnancy in women] Haour F, et al. C R Soc Biol (Paris) 164:821-5, 1970 (Fre)
[Exploration of the hypothalamo-pituitary-somatotropic axis] Franchimont P, et al. Rev Fr Endocrinol Clin 11:105-19, Mar-Apr 70 (Fre)
[Exploration of the hypothalamo-pituitary-gonadal axis] Franchimont P. Rev Fr Endocrinol Clin 11:121-31, Mar-Apr 70 (Fre)
[Exploration of pituitary functions] Franchimont P. Rev Fr Endocrinol Clin 11:103-4, Mar-Apr 70 (Fre)
[Exploration of thyroid-stimulating hormone (TSH) secretion] Ketelslegers JM, et al. Rev Fr Endocrinol Clin 11:133-41, Mar-Apr 70 (Fre)
[Radioimmunologic determination of posterior pituitary hormones] Legros JJ, et al. Rev Fr Endocrinol Clin 11:153-60, Mar-Apr 70 (Fre)
[Dynamic explorations of ACTH secretion] Meyts P de, et al. Rev Fr Endocrinol Clin 11:143-50, Mar-Apr 70 (Fre)
[Technic of determination of immunoglobulins by a radioimmunologic method in solid phase] Amouch PJ, et al. Rev Fr Transfus 13:165-72, Jun 70 (Fre)
[Use of a radio-immunologic technic for detection of faulty insulin action] Belmonte MM, et al. Union Med Can 100:757-8, Apr 71 (Fre)
[Radioimmunological determination of gastrin in human serum] Raptis S, et al. Acta Endocrinol [Suppl] (Kbh) 152:10, 1971 (Ger)
[Radioimmunologic angiotensin determination] Pierach CA, et al. Verh Dtsch Ges Inn Med 75:191-4, 1969 (Ger)
[A new separation method for radioimmunoassays of protein hormones: enzymatic proteolysis of the free hormone by pronase] Wombacher H, et al. Z Klin Chem Klin Biochem 9:136-42, Mar 71 (Ger)
[Radioimmunoassay of gonadotropins] Fraioli F. Folia Endocrinol (Roma) 23:331-54, Jun 70 (Ita)
[Radioimunologic doseof thyrotropin hormoe. Prellinary resul] Vigneri R, et al. Folia Endocrinol (Roma) 23:314-30, Jun 70 (Ita)
[Radioimmunological methods] Visco G. Policlinico [Prat] 77:1162-7, 7 Sep 70 (Ita)
[Parathyroid hormone in the blood. 3. Clinical studies by radioimmunoassay of parathyroid hormone] Fujita T, et al. Folia Endocrinol Jap 47:181-8, 20 Jun 71 (Jap)
[Radioimmunoassay of human growth hormone by enzyme proteolysis] Takahara J, et al. Folia Endocrinol Jap 46:1180-9, 20 Mar 71 (Jap)
[Basic evaluation and clinical application of radioimmunoassay of insulin by single antibody resin absorption method] Takaishi T. Folia Endocrinol Jap 46:679-94, 20 Sep 70 (Jap)
[Measurement of urinary LH by a new solid phase radioimmunoassay] Tamada T, et al. Folia Endocrinol Jap 47:174-80, 20 Jun 71 (Jap)
[Radioimmunoassay of ACTH] Yuji S, et al. Folia Endocrinol Jap 47:110-4, 20 May 71 (Jap)
[Radioimmunoassay of LH of the pituitary gland and serum of rats] Fukada N. J Jap Obstet Gynecol Soc 23:289-96, Apr 71 (Jap)
[Radioimmunoassay of human chorionic gonadotropin--dynamics of human chorionic gonadotropin in chorionic diseases and pregnancy] Kato H. J Jap Obstet Gynecol Soc 22:1317-26, Dec 70 (Jap)
[Radioimmunoassay of urinary follicle-stimulating hormone] Kazato S. J Jap Obstet Gynecol Soc 23:47-54, Jan 71 (Jap)
[Radioimmunoassay of human placental lactogen (HPL)--with special reference to the dynamics of the hormone during the puerperium of normal pregnancy] Nishimura T, et al. J Jap Obstet Gynecol Soc 22:1284-90, Dec 70 (Jap)
[Radioimmunoassay of human FSH. 1. Radioimmunoassay of human serum FSH] Seki M, et al. J Jap Obstet Gynecol Soc 23:201-2, Mar 71 (Jap)
[Radioimmunoassay of human FSH (2): radioimmunoassay of human urinary FSH] Seki M, et al. J Jap Obstet Gynecol Soc 23:318-9, Apr 71 (Jap)
[Clinical studies of pituitary growth hormone. I. On assay system of serum human growth hormone level using radioimmunoassay] Isobe I. Jap Arch Intern Med 17:187-93, Aug 70 (Jap)
[Clinical studies on the immunoreactive insulin. I. Radioimmunoassay of insulin by using dextran-coated charcoal] Yoshida T. Jap Arch Intern Med 17:179-86, Aug 70 (Jap)
[Determination of hormones by radioimmunoassay including thyroid hormones and steroids] Imura H, et al. Naika 28:10-6, 1971 (19 ref.) (Jap)
[Recently developed fractionation methods] Porath J. Protein Nucleic Acid Enzyme (Tokyo) 16:313-23, Apr 71 (Jap)
[Serum insulin determination by radioimmunoassay after intravenous tolbutamide administration] Czekalski S, et al. Endokrynol Pol 21:599-604, 1970 (Pol)
[Determination of human growth hormone by the double-antibody radioimmunoassay] Schiller B, et al. Endokrynol Pol 22:1-14, Jan-Feb 71 (Pol)
[Radioimmunologic methods of analysis of hormones] Linhares E. Arq Bras Endocrinol Metabol 18:71-4, Aug 69 (Por)
[Dosage of insulin levels using radioimmunoassay with double antibodies] Pupo A de A, et al. Rev Assoc Med Bras 16:153-6, May 70 (Por)
[Radioimmunological determination of insulin in blood serum] Balabolkin MI, et al. Lab Delo 9:552-4, 1970 (Rus)
[Radioisotope methods of determining hormones by their binding capacity for specific proteins (literature review)] Balakhovskii IS, et al. Lab Delo 2:67-9, 1971 (43 ref.) (Rus)
[Radioimmune determination of somatotropic hormone in human blood using immunosorbents] Bobrov IuF, et al. Lab Delo 2:70-3, 1971 (Rus)
[Radioimmunologic method of determining protein and polypeptide hormones in blood plasma (review of the literature)] Fedotov VP, et al. Probl Endokrinol (Mosk) 16:103-10, Jul-Aug 70 (131 ref.) (Rus)
[Radioimmunologic measurement of gonadotropins using polymerized antisera] Olivieri V. Acta Obstet Ginecol Hisp Lusit 18:293-9, Nov 70 (Spa)
[Radioimmunoassays] Parra-Covarrubias A. Gac Med Mex 101:619-22, May 71 (Spa)
[Growth hormone. I. Radioimmunoassay] Parra-Covarrubias A. Gac Med Mex 101:591-606, May 71 (Spa)
[Analysis of various problems of the radioimmunological method for measuring growth hormone] Youlton R, et al. Rev Med Chil 99:572-6, Aug 71 (Spa)

INSTRUMENTATION

Modification of a simple desk top computer to provide an automatic data processing device for use in radioisotope studies. Warner GT. Br J Radiol 44:157-9, Feb 71

STANDARDS

Kinetics of double-antibody radioimmunoassay systems for human gonadotrophins. Borth R. Acta Endocrinol (Kbh) 65:453-8, Nov 70

RADIOISOTOPE DILUTION TECHNIC (E1)

Urinary estrogen assay by isotope dilution method in normal pregnancy. Abe Y. Acta Med Biol (Niigata) 18:147-58, Dec 70
Assay of urinary estrogen by isotope dilution method in abnormal pregnancy. Abe Y. Acta Med Biol (Niigata) 18:159-72, Dec 70
External detection of radioisotopes in quantitation of cardiac left-to-right shunts. Ahlström H. Acta Paediatr Scand [Suppl] 206:Suppl 206:52+, 1970
Determination of cardiac and pulmonary blood volumes and cardiac output in the neonatal period by means of radioisotope dilution curves. Koch G, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:48+, 1970
An isotopic measurement of vitamin B12 in cerebrospinal fluid. Frenkel EP, et al. Am J Clin Pathol 55:58-64, Jan 71
Blood-brain barrier studies in man using the double-indicator method. Lassen NA, et al. Am J Physiol 220:1627-33, Jun 71
Effect of lumbar sympathectomy on muscle blood flow in advanced occlusive vascular disease. Smith RB 3d, et al. Am Surg 37:247-51, Apr 71
Organ blood flow measured by radionuclide-labeled microspheres during mechanical ventricular assistance. Raciti A, et al. Ann Thorac Surg 11:43-50, Jan 71
Myocardial blood flow. Measurement by a coincidence counting system and single bolus of 84Rb. Koebel SB, et al. Arch Intern Med 127:767-72, Apr 71
Ocular blood flow measurement by nuclide labeled microspheres. O'Day DM, et al. Arch Ophthalmol 86:205-9, Aug 71
Studies in uveal physiology. II. Clinical studies of the anterior chamber clearance of isotopic tracers. O'Rourke J, et al. Arch Ophthalmol 84:415-20, Oct 70
The adsorption of intrinsic factor concentrate to glass: occurrence and prevention with reference to radioisotope dilution assays of vitamin B 12. Newmark P, et al. Blood 38:524-8, Oct 71
Determination of serum vitamin B12 by an isotopic method. Konopka L, et al. Bull Pol Med Sci Hist 13:150-3, Oct 70
Effect of ischemia and antianginal drugs on the distribution of radioactive microspheres in the canine left ventricle. Becker LC, et al. Circ Res 28:263-9, Feb 71
Microsphere measurement of intrarenal circulation of the dog. Slotkoff LM, et al. Circ Res 28:158-66, Feb 71
Measurement of heart chamber volumes by analysis of dilution curves simultaneously recorded by scintillation camera. Ishii Y, et al. Circulation 44:37-46, Jul 71
A double isotope dilution method for differential determination of adrenaline and noradrenaline in plasma. Siggers DC, et al. Clin Chim Acta 30:373-6, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Determination of the cardiac output with radioisotopes. Lopez-Majano V, et al. Cor Vasa 13:124-35, 1971
Distribution of the carotid circulation in dog. Lopez-Majano V, et al. Cor Vasa 13:71-6, 1971
Measurements of gastrointestinal protein loss. Beeken WL, et al. Gastroenterology 60:987-8, May 71
"Total" and "exchangeable" sodium studies in swine and sheep using activation analysis and isotopic dilution. Johnson DR, et al. Health Phys 18:729-31, Jun 70
A study of the liver circulation by indicator-dilution method with a conductivity cell. Valentinuzzi M, et al. J Am Osteopath Assoc 70:1093-6, Jun 71
Skin and muscle celarance with 133-xenon and 125-iodine antipyrine. Effect of vascular reconstruction examined. Kövamees A. J Cardiovasc Surg (Torino) 11:479-81, Nov-Dec 70
Determination of contained-milk volume of the mammary gland of the goat by cerium and 14C-PEG-4000. Snipes MB, et al. J Dairy Sci 53:1596-602, Nov 70
Technetium-99m pertechnetate disappearance studies in normal and psoriatic skin. DiLorenzo PA, et al. J Invest Dermatol 56:39-43, Jan 71
Measurement of extracellular fluid volume with 169Yb-diethylenetriaminepentaacetate. Hosain F, et al. J Lab Clin Med 77:699-704, Apr 71
The effect of counting geometry on the significance of myocardial blood flow measurements by the injection method. Maseri A, et al. J Nucl Biol Med 13:140-7, Oct-Dec 69
Routine liquid scintillation counting technique for plasma 59Fe. Fillet G. J Nucl Med 12:270-1, May 71
The significance of the total-body hematocrit in measurements of blood compartments. Kirsch KA, et al. J Nucl Med 12:17-21, Jan 71
The ashing technique as a more precise method for the radioassay of 51Cr in feces. Kuiper DH, et al. J Nucl Med 11:527-9, Sep 70
The radioisotopic estimation of regional blood flow, blood volume, and hematocrit in the dog lung. Milder MS, et al. J Nucl Med 12:241-4, May 71
Pulmonary and systemic blood pressure responses to large doses of albumin microspheres. Mishkin FS, et al. J Nucl Med 12:251-2, May 71
Usefulness and reliability of short-lived radionuclides for cardiac output determination. Myers JH, et al. J Nucl Med 12:591-5, Sep 71
Rapid double-isotope dilution derivative assay of plasma testosterone. Sparagana M. J Nucl Med 12:253-6, May 71
Radiochromate RBC survival kinetics in the normal human adult. Tyson JW, et al. J Nucl Med 12:302-4, Jun 71
Application of the enzymatic double isotope dilution assay for the study of histamine in plasma. Miller RL, et al. J Pharmacol Exp Ther 175:228-34, Oct 70
Estimation of pulmonary shunt blood flow by constant infusion of radioactive xenon. Massey WH, et al. Surg Forum 21:203-5, 1970
Blood flow through different regions of long bone measured by a bone-seeking radioisotopic method. Shim SS, et al. Surg Gynecol Obstet 132:58-60, Jan 71
Prediction of tissue loss in human frostbite with xenon-133. Sumner DS, et al. Surgery 69:899-903, Jun 71
Early detection and classification of renal transplant rejection by B-K scan ratio and blood isotope clearance data. Hayes M, et al. Transplantation 12:139-41, Aug 71
Blood flow in transplanted tumors: quantitative approaches to radioisotopic studies. Spencer RP. Yale J Biol Med 43:22-30, Aug 70
[Radiocardiogram and systolic pressure of the right ventricle] Měděan J, et al. Vnitr Lek 16:953-8, Oct 70 (Cze)
[Value of the determination of total blood thyroxine by the method of isotopic saturation and by resin uptake of triiodothyronine in daily clinical work] Jonckheer MH, et al. Acta Clin Belg 25:129-38, 1970 (Fre)
[External measurement of pulmonary pressures by means of radioisotope dilution graphs] Di Matteo J, et al. Ann Med Interne (Paris) 121:889-94, Nov 70 (Fre)
[Study of the intestinal transit time by the Cl3 51Cr dilution curve. Comparison with the carmine test] Bernier JJ. Biol Gastroenterol (Paris) 2:171-80, 1969 (Fre)
[Contribution of radiocardiography to the study of cardiac output and blood volume in 20 patients operated on by open-heart surgery] Roche P, et al. Coeur Med Interne 9:503-16, Oct 70 (Fre)
[Evaluation of the method of cardiac output measurement by continuous perfusion of radioactive diffusible indicator] Keromes A, et al. J Physiol (Paris) 62:Suppl 3:393-4, 1970 (Fre)
["Rapid" isotopic exploration with iron-59 (Najean's technic)] Reboul J, et al. J Radiol Electrol Med Nucl 50:Suppl 5:459+, May 69 (Fre)
[Simplified radioisotope clearance technic] Schröder J. Roentgenpraxis 23:149-57, Jul 70 (Ger)
[Influence of isotopic dilution on the behavior of radioyttrium in mammalian organism] Seidel A, et al. Strahlentherapie 140:717-20, Dec 70 (Ger)
[Total thyroxine in the serum (comparison of 3 methods)] Herrmann J, et al. Z Klin Chem Klin Biochem 8:605-10, Nov 70 (Ger)
[Radioimmunological determination of insulin in the blood of normal subjects] Cozzolino G, et al. Boll Soc Ital Biol Sper 45:1347-50, 15 Nov 69 (Ita)
[Calculation of the extent of left-to-right shunts by radioisotopic determination of circulation time] Binaghi G, et al. Boll Soc Ital Cardiol 16:64-8, 1971 (Ita)
[Rheographic (semiquantitative) hepatic flow measurements with infinite time constant as compared with the radioisotope method] Garbini GC, et al. Boll Soc Ital Cardiol 15:600-11, 1970 (Ita)
[Simplified method of evaluation of renal flow with radioisotopes] Albertazzi A, et al. Bull Sci Med (Bologna) 142:107-10, Jan-Mar 70 (Ita)
[Venous radioisotopography of the lower limbs in cases of arterial disease before and after lumbar ganglionectomy] Belardi P, et al. Minerva Chir 23:1081-7, 31 Oct 68 (Ita)
[The experimental study of peripheral circulation by means of radioisotope tissue clearance] Otomo S. Arch Jap Chir 36:260-75, 1 May 67 (Jap)
[Measurement of the blood flow through the muscles of the lower extremities with the aid of the Xe-133] Hahn L, et al. Pol Przegl Chir 42:1411-8, Oct 70 (Pol)
[Intrarenal blood flow in dogs. Comparison of the radioisotope, dye and direct methods] Lemańska Z, et al. Pol Przegl Radiol 35:227-35, 1971 (Pol)
[Measurement of coronary blood flow by the radioisotope dilution technic in chronic experiments on monkeys] Repin IuM. Biull Eksp Biol Med 66:110-2, 1968 (Rus)
[Evaluation of the Johnson-Sevelius method for determining coronary circulation] Mazel' GS. Med Radiol (Mosk) 15:23-9, Sep 70 (Rus)
[Simplification of the method for quantifying central arteriovenous shunts by means of selective left radiocardiography] Pascual JA, et al. Medicina (B Aires) 30:451-8, Sep-Oct 70 (Spa)

INSTRUMENTATION

Comparison of different methods for serial dilution used in serological routine work. Kaijser B, et al. Acta Pathol Microbiol Scand [B] 78:266-7, 1970

STANDARDS

The validity of the isotope dilution method of measuring extracellular fluid volume after acute haemorrhage. Furneaux RW, et al. Aust J Exp Biol Med Sci 48:407-15, Aug 70

RADIOISOTOPE RENOGRAPHY (E1)

The evaluation of kidney morphology and function by means of the scintillation camera. Ziliotto D, et al. Acta Isot (Padova) 10:5-21, 15 Dec 69
Analogue model of the radioisotope renogram. Kordl V, et al. Acta Univ Carol [Med] (Praha) 16:295-315, 1970
Study of renal circulation with the Alb I-131 and of the vascular phase of the isotopenephrogram with neohydrin Hg203. Indovina I, et al. Acta Urol Belg 36:54-8, Jan 68
Renography with radiohippuran in the diagnosis of nephrovascular hypertension. Modifications induced by pharmacological stimuli and by water load. Pavoni P, et al. Acta Urol Belg 36:71-8, Jan 68
Quantitative analysis of isotope renograms by analogue computer. Kathel BL. Ann R Coll Surg Engl 48:4-5, Jan 71
Radioisotope renography as a renal function test in the newborn. Kathel BL. Arch Dis Child 46:314-20, Jun 71
The use of radioactive hippuran in the management of cadaveric renal transplants. Branch RA, et al. Br J Radiol 44:697-704, Sep 71
The computer analysis of the radioisotope renogram; the derivation of the hippuran curve output. Brown NJ, et al. Br J Radiol 44:78, Jan 71
The radioisotope renogram in carcinoma of the cervix. Jenkins DG, et al. Br J Radiol 44:441-4, Jun 71
The effect of osmotic diuresis on the radio-isotope renogram in ureteric obstruction. Gray W. Br J Urol 42:425-8, Aug 70
131-I hippuran renogram in acute renal failure. Mayo ME, et al. Br Med J 3:516-7, 28 Aug 71
The value of isotope renography in the diagnosis of nephrological and urological cases. Wojtczak A, et al. Bull Pol Med Sci Hist 14:79-82, Apr 71
Serial radiohippurate renal scintiphotography. Rosenthall L, et al. Can Med Assoc J 103:1266-7, 5 Dec 70
The renogram and the renal tract in spina bifida. Cudmore RE, et al. Dev Med Child Neurol [Suppl] 22:Suppl 22:24-7, 1970
Radioisotope renography in urology. Singh SM, et al. Indian J Med Res 57:1490-506, Aug 69
Compensatory renal hyperfunction in the dog evaluated by continuous isotope clearance determinations. Wagenknecht LV, et al. Invest Urol 8:502-6, Mar 71
Continuous recording of renal clearance by external monitoring during epidural anesthesia. Wagenknecht LV, et al. Invest Urol 8:540-7, Mar 71
Radioisotope renal studies in clinical medicine. Marting TE. J Am Osteopath Assoc 70:642-61, Mar 71
Isotope renogram. Roy B. J Indian Med Assoc 54:430-1, 1 May 70
First attempts of clinical application of a method for the quantitative interpretation of renogram with radiohippuran. Meldolesi U, et al. J Nucl Biol Med 13:94-102, Jul-Sep 69
Use of the gamma camera for 131-I renography: a case study on a nephrectomized patient. Short MD, et al. J Nucl Med 11:758-60, Dec 70
Possible renogram interpretative errors in children with ileal diversions. Silk M, et al. J Urol 106:149-50, Jul 71
Alterations in radioactive isotope renogram pattern with urinary bladder filling. Harbert JC, et al. JAMA 211:810-1, 2 Feb 70
Postural changes in essential hypertension under treatment and their effect on the renogram. Darsinos J, et al. Nucl Med (Stuttg) 10:39-46, 30 Apr 71
The use of the renogram in obstructive uropathy due to pelvic tumours. Henk JM, et al. Nucl Med (Stuttg) 9:30-5, 30 Mar 70
The quantitative analysis of renograms using the gamma camera. Holroyd AM, et al. Phys Med Biol 15:483-92, Jul 70
Further observations on renograms in the study of renal function. Talbot HS, et al. Proc Annu Clin Spinal Cord Inj Conf 16:186-90, 1967
Screening for kidney and urinary tract disease. Schlegel JU. Proc Med Sect Am Life Conv 58:23-34, 11 Jun 70
Advances in renography in relation to radiology and radiotherapy. Britton KE, et al. Proc R Soc Med 64:342-4, Apr 71
Computer-assisted blood background subtraction (CABBS) renography in obstructive nephropathy. Britton KE, et al. Proc R Soc Med 63:1246-7, Dec 70
The isotopic renogram by patients suffering from cervical carcinoma. Vaerenbergh PM van, et al. Strahlentherapie 141:669-76, Jun 71
[Renal gamma radiography in cases of obstetrical pathology (preliminary report)] Radonov D, et al. Akush Ginekol (Sofiia) 8:329-35, 1969 (Bul)
[Comparison of x-ray and radioisotope examination for determination of vesicoureteral reflux] Holý J, et al. Cesk Radiol 25:98-103, May 71 (Cze)
[Possibilities and limitations of exploration by radio-isotopes in urologic diagnosis] Burghele T, et al. Acta Urol Belg 36:5-25, Jan 68 (Fre)
[Quantitative interpretation of the isotope nephrogram] Mewissen DP, et al. Acta Urol Belg 36:68-70, Jan 68 (Fre)
[Objectivation of a certain stage of tubular renal insufficiency by isotope nephrograms] Pavel D, et al. Acta Urol Belg 36:59-67, Jan 68 (Fre)
[Study of renal function with the use of the isotope nephrogram in intestinal ureterostomy] Signorelli E, et al. Acta Urol Belg 36:98-107, Jan 68 (Fre)
[Place of isotope studies as compared with other urological explorations in current practice] Desgrez JP. Ann Urol (Paris) 4:231-9, Dec 70 (Fre)
[Practical results of renography] Kioes C. Bull Soc Sci Med Grand Duche Luxemb 105:61-9, Nov 68 (Fre)
[Isotope renography: clinica cases] Bercy A. J Belge Radiol 51:78-83, 1968 (Fre)
[Isotopic nephrogram in cervix uteri cancer (first cases)] Bru A, et al. J Radiol Electrol Med Nucl 52:307-9, May 71 (Fre)
[Nephrograms: exploratory method complementing urography] Swyngedauw J, et al. J Radiol Electrol Med Nucl 50:Suppl 5:435-6, May 69 (Fre)
[Exploration of renal tubular function by hippuran 131 nephrogram] Swyngedauw J, et al. J Radiol Electrol Med Nucl 50:853-66, Dec 69 (Fre)
[Qualitative and quantitative contribution of nephrograms in some clinical entities. 2. Renal arterial stenosis, nephritis in general] Swyngedauw J, et al. J Radiol Electrol Med Nucl 51:1-13, Jan-Feb 70 (Fre)
[Information on duration of the normal or pathologic kidney secretion obtained with hippuran nephrography] Swyngedauw J, et al. Lille Med 16:535-40, Apr 71 (Fre)
[Renal evaluation by means of isotope renography in pregnant women] Swyngedauw J, et al. Rev Fr Gynecol Obstet 64:251-69, May 69 (Fre)
[Diagnostic advantages of combining renography, clearance and scintigraphy] Zita G. Acta Urol Belg 36:45-53, Jan 68 (Ger)
[Diagnostic importance of infusion urography and isotope nephrogram in chronic renal insufficiency] Dieterich WR, et al. Dtsch Gesundheitsw 25:2139-44, 5 Nov 70 (Ger)
[Function tests in nephroptoses by means of the o-131iod hippuran nephrography] Bäll U, et al. Fortschr Geb Roentgenstr Nuklearmed 114:407-15, Mar 71 (Ger)
[Radioisotope determination of glomerular filtration

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rate with 51Cr-EDTA] Uthgenannt H, et al. Fortschr Geb Roentgenstr Nuklearmed 109:360-5, Sep 68 (Ger)
[The gamma scintillation camera in urology] Erd W, et al. Helv Chir Acta 37:435-42, Aug 70 (Ger)
[Diagnosis of function and localization using 113m indium-iron-ethylenediamine tetraacetic acid (EDTA) after renal transplantation] Heidenreich P, et al. Langenbecks Arch Chir 328:91-108, 1970 (Ger)
[EDTA and DTPA labelled with Cr-51 and Co-58 in renal diagnosis] Deckart H, et al. Med Klin 64:1858-61, 10 Oct 69 (Ger)
[Isotope nephrogram in the diagnosis of renal artery stenosis] Jochem B, et al. Med Klin 65:1662-7, 18 Sep 70 (Ger)
[Isotope nephrographic studies in orthostatis-proteinuric children] Siegler J, et al. Monatsschr Kinderheilkd 117:531-5, Aug 69 (Ger)
[Indications for and significance of radioisotope nephrography] Müller H, et al. Munch Med Wochenschr 113:245-9, 19 Feb 71 (Ger)
[Chronic pyelonephritis in scintigraphy and radionephrography] Müller H, et al. Munch Med Wochenschr 113:645-52, 23 Apr 71 (Ger)
[Nephrographic findings in retention of substances normally contained in the urine--Preliminary report] Müller H, et al. Munch Med Wochenschr 113:580-1, 9 Apr 71 (Ger)
[Functional kidney scintigraphy using computer evaluation] Imhof H, et al. Nucl Med (Stuttg) 9:36-49, 30 Mar 70 (Ger)
[Radiorenography (isotope nephrography) in patients with polycythemia vera] Gorbadej NK, et al. Radiobiol Radiother (Berl) 11:701-4, 1970 (Ger)
[Accuracy of isotope nephrography in childhood] Löbe J, et al. Radiobiol Radiother (Berl) 11:547-52, 1970 (Ger)
[Significance of the isotope nephrogram in pediatric renal function tests in comparison with the rules of prolonged infusion clearance] Devaux S, et al. Radiol Diagn (Berl) 11:117-21, 1970 (Ger)
[Additional radiologic diagnosis of renal trauma by renal scanning] Braedel HU, et al. Urologe 9:341-3, Nov 70 (Ger)
[Pathologic kidney function during pregnancy and puerperium in the isotope nephrogram] Tulzer H, et al. Wien Klin Wochenschr 83:339-41, 14 May 71 (Ger)
[Possibilities and results of nuclear medical assessment of the function of the kidney resected for tuberculosis] Köhler H, et al. Z Urol Nephrol 62:697-700, 1969 (Ger)
[Kidney resection for tuberculosis and the possibilities as well as results of pre- and postoperative nuclear medical function determination] Köhler H, et al. Z Urol Nephrol 63:125-38, Feb 70 (Ger)
[The importance of radioisotope renography in the diagnosis of causes of recurrent abdominal pain in childhood] Siegler J. Orv Hetil 112:1395-8, 13 Jun 71 (Hun)
[Current status of radioisotope semiology of the kidney] Ferlin G, et al. Acta Isot (Padova) 8:371-500, 15 Dec 68 (Ita)
[Renography with I-131 iothalamate. Clinical experience and considerations on the validity of the method] Giavelli S, et al. Acta Isot (Padova) 7:299-314, 30 Dec 67 (Ita)
[Kidney carcinoma: scanning of the neoplastic mass and its metastases] Malamos B, et al. Acta Isot (Padova) 10:37-46, 15 Dec 69 (Ita)
[Behavior of the radionephrographic curve after water load] Palermo F, et al. Acta Isot (Padova) 7:221-33, 30 Dec 67 (Ita)
[Radionephrography with hippuran I-131 in the study of the post-operative course of patients with nephrovascular hypertension surgically treated with re-vascularization] Semprebene L, et al. Acta Isot (Padova) 8:191-205, 30 Oct 68 (Ita)
[New possibilities in the radioisotope diagnosis of renovascular hypertension] Ziliotto D, et al. Acta Isot (Padova) 8:325-39, 15 Dec 68 (Ita)
[Scintigraphic aspect of renal tumors] De Rossi G, et al. Chir Patol Sper 17:349-61, Oct 69 (Ita)
[Evaluation of the renal vascular component of the first segment of the renogram, using human serum albumin I-131 (Sari)] Di Chiara F, et al. Friuli Med 24:85-93, Jan-Feb 69 (Ita)
[Radionephrography in normal pregnancy. Morphologic changes of the picture and dosimetric considerations] Spreafico G, et al. Minerva Ginecol 21:1443-54, 15 Nov 69 (Ita)
[Pre- and post-operative renographic evaluation in dysectasia of the pyeloureteral junction] Alberti C, et al. Minerva Med 62:330-5, 27 Jan 71 (Ita)
[Functional significance of renal accumulation curves of neohydrin-Hg203] Cantalamessa L, et al. Minerva Nefrol 16:326-9, Jul-Aug 69 (Ita)
[Radionephrography in the diagnosis of nephrovascular hypertension. 134 cases] Semprebene L, et al. Nunt Radiol 34:1559-85, Dec 68 (Ita)
[The sponge kidney in the light of radioisotope research. (Possibilities of new clinical and anatomopathological findings)] Dalla Bernardina L, et al. Quad Radiol 35:255-77, 26 Oct 69 (Ita)
[Comparative evaluation on the use of radionephrography, urography and renal arteriography in the diagnosis of nephrovascular hypertension] Del Favero C, et al. Radiol Med (Torino) 56:408-20, May 70 (Ita)
[Radioisotope renography by means of Tc99m-iron ascorbate complex] Buraggi GL, et al. Radiol Med (Torino) 56:1079-89, 1 Nov 69 (Ita)
[Urographic and radionephrographic examinations in evaluation of the urological complications of utero-ovarian neoplasms] De Marzi S, et al. Radiol Med (Torino) 55:1079-89, 1 Nov 69 (Ita)
[I-131-renographic and angiographic diagnosis of polyarteritis nodosa: report of a case] Ueyama H, et al. Acta Urol Jap 17:47-56, Jan 71 (Jap)
[Radioisotope renography as a renal function test] Ishibe T, et al. Jap J Clin Pathol 18:796-803, Nov 70 (Jap)
[Renal function test by radioisotope--clinical evaluation of the renogram and considerations for its future development] Machida T. Rinsho Hoshasen 16:163-72, Mar 71 (Jap)
[Renography in puerperium in late pregnancy toxemias] Wiskont-Buczkowska H, et al. Ginekol Pol 42:39-46, 1971 (Pol)
[Simultaneous scinti- and renographic study of the renal blood flow] Malinowska J, et al. Nowotwory 20:173-82, Jul-Sep 70 (Pol)
[Isotopic studies connected with kidney transplantation] Kardasiewicz W, et al. Pol Arch Med Wewn 45:309-16, 1970 (15 ref.) (Pol)
[Study of kidney function using I-131-triombrin] Frenkel' VKh, et al. Med Radiol (Mosk) 15:30-4, Aug 70 (Rus)
[Use of I-131-triombrin in the experimental determination of glomerular filtration] Kharat'ian AM, et al. Med Radiol (Mosk) 15:34-40, Aug 70 (Rus)
[Clinical value of radioisotope renoraphy in nephropathy in children] Gavalov SM, et al. Pediatriia 49:52-7, Apr 70 (Rus)
[Radioisotope diagnosis of renal tuberculosis] Neimark AI. Probl Tuberk 48:70-3, 1970 (Rus)
[Kidney function according to radioisotope renography data in diabetes mellitus] Vasiukova EA, et al. Sov Med 33:92-5, Oct 70 (Rus)
[Radioisotope renography in the diagnosis of renal hypertension] Bardyshevskiĭ VN. Ter Arkh 42:60-3, Nov 70 (Rus)
[Comparison of renal plasma flow with renographic indices] Minkin RB, et al. Ter Arkh 42:39-42, Sep 70 (Rus)
[Renography as a method of early diagnosis of preclinical forms of renal angiopathies in patients with diabetes mellitus] Oganesova VT, et al. Ter Arkh 42:75-7, Jun 70 (Rus)
[Radioisotope renography with I-131 hippuran in evaluation of the condition of the urinary system in cervical cancer] Danichev DR, et al. Vopr Onkol 16:29-38, 1970 (Rus)
[Radioisotope diagnosis of retroperitoneal metastases of malignant testicular neoplasms] Gorbadef NK, et al. Vopr Onkol 17:30-5, 1971 (Rus)
[The usefulness of the radiological study of the renal parenchyma] Kaufman A, et al. Rev Venez Urol 22:85-98, Jan-Jun 70 (Spa)
[Clinical assessment of renal function with radioactive isotopes] Aurell M. Lakartidningen 68:2921-9, 16 Jun 71 (Swe)
[Renography--an underestimated method for quantative kidney function assessment?] Aurell M, et al. Nord Med 85:703, 3 Jun 71 (Swe)
[Renography: evaluation and clinical results] Denneberg T, et al. Nord Med 85:784, 24 Jun 71 (Swe)
[Continuing research on the quantitative measurement of kidney fnction using radiorenography] Fritjofsson A, et al. Nord Med 85:193, 11 Feb 71 (Swe)
[Some aspects of kidney function analysis in renography] Fritjofsson A, et al. Nord Med 85:629-30, 20 May 71 (Swe)
[Vesico-ureteral reflux in children and its diagnosis] Tereshchenko OV, et al. Pediatr Akush Ginekol 1:17-9, Jan-Feb 69 (Ukr)
[Radioisotope diagnostics in pediatric nephrology] Dubnićková H, et al. Cesk Pediatr 25:581-4, Dec 70 (Slo)

ADVERSE EFFECTS

[Effect of renal radioisotope diagnostics on kidney parenchyma in patients with malignomas, following radiotherapy] Wöligens P, et al. Fortschr Geb Roentgenstr Nuklearmed 114:415-21, Mar 71 (Ger)

INSTRUMENTATION

The scintillation camera in the dynamic evaluation of renal disorders. Weiss ER, et al. Radiology 98:165-9, Jan 71

RADIOISOTOPE SCANNING (E1)

New methods of organ visualization by radioisotope techniques. Höfer R. Acta Chir Belg 68:321-41, 1969
Fate of intravenously injected copper, chromium, lanthanum, manganese, strontium and zinc beta-glycerophosphates. Anghileri LJ. Acta Isot (Padova) 7:281-7, 30 Dec 67
Scintigraphic and angiographic exploration of the pancreas in a case of insulinoma: presentation of a new scintigraphic technique. Austoni M, et al. Acta Isot (Padova) 7:253-60, 30 Dec 67
The scintillation camera in the evaluation of liver morphology and function. Ferlin G, et al. Acta Isot (Padova) 10:23-35, 15 Dec 69
Early alterations of the irradiated lung: evaluation of scans. Giannardi G, et al. Acta Isot (Padova) 9:403-7, 30 Sep 69
Evaluation of pancreatic scanning. Liewendahl K, et al. Acta Med Scand 188:75-80, Jul-Aug 70
Brain scanning--cerebral scintigraphy. An evaluation of the diagnostic value or scanning compared with other methods of investigation, based on results from 981 patients. Rasmussen P, et al. Acta Neurochir (Wien) 23:103-19, 1970
Ectopic spleen in an Rh incompatible infant. Iancu T, et al. Acta Paediatr Scand 60:353-6, May 71
Lymph node scanning with colloidal radioactive goid. Herting SE, et al. Acta Radiol [Diagn] (Stockh) 10:359-68, Sep 70
Decision processes employing radioisotope scanning. Nash RT. Acta Radiol [Diagn] (Stockh) Suppl 288:1+, 1969
Scintillation camera and rectilinear scanner for detection of space-occupying intracranial lesions. Pedersen M, et al. Acta Radiol [Diagn] (Stockh) 10:534-44, Nov 70
Radioactive pulmonary emboli. Kontzen FN, et al. Ala J Med Sci 8:27-9, Jan 71
Radioisotope organ imaging in tumor diagnosis and management. Sauerbrunn BJ. Am Fam Physician 3:86-98, Jan 71
The diagnosis of intracardiac metastasis of colon carcinoma by radioisotopic and roentgenographic studies. Steiner RM, et al. Am J Cardiol 26:300-4, Sep 70
The extrahepatic uptake of 198Au as an index of portal hypertension. Fernandez JP, et al. Am J Dig Dis 15:883-93, Oct 70
Placental localization. A comparative evaluation of isotopic placentography and amniography. Drukker BH, et al. Am J Obstet Gynecol 110:9-14, 1 May 71
Clinical application of the broad spectrum scanning agent--indium 133M. Adatepe MH, et al. Am J Roentgenol Radium Ther Nucl Med 112:701-6, Aug 71
Roentgen appearance of pulmonary vascularity in the diagnosis of heart disease. Chen JT, et al. Am J Roentgenol Radium Ther Nucl Med 112:559-70, Jul 71
Radionuclide evaluation of the Dandy-Walker malformation and congenital arachnoid cyst of the posterior fossa. Conway JJ, et al. Am J Roentgenol Radium Ther Nucl Med 112:306-14, Jun 71
Evaluation of corrective surgery for pancreatitis by Se75 selenomethionine pancreatic imaging. A case report. Eaton SB Jr, et al. Am J Roentgenol Radium Ther Nucl Med 112:678-81, Aug 71
Determination of the modulation transfer function (MTF) using a programmable calculator. Goldsmith WA, et al. Am J Roentgenol Radium Ther Nucl Med 112:806-11, Aug 71
The value of radioisotope scanning in the investigation of suspected carcinoma of the pancreas. Heslip PG, et al. Am J Roentgenol Radium Ther Nucl Med 112:667-77, Aug 71
The fissure sign: its multiple causes. James AE Jr, et al. Am J Roentgenol Radium Ther Nucl Med 111:492-500, Mar 71
Scinticisternography in individuals without known neurological disease. Kieffer SA, et al. Am J Roentgenol Radium Ther Nucl Med 112:225-36, Jun 71
Comparison of results of pulmonary arteriography and radioisotope lung scanning in the diagnosis of pulmonary emboli. Linton DS Jr, et al. Am J Roentgenol Radium Ther Nucl Med 112:745-8, Aug 71
Intravenous radioisotope angiography with computer processing of data. Loken MK, et al. Am J Roentgenol Radium Ther Nucl Med 112:682-90, Aug 71
Regional cerebral blood flow measurement with xenon 133 and the scinticamera. Torizuka K, et al. Am J Roentgenol Radium Ther Nucl Med 112:691-700, Aug 71
The significance of unilateral absence of pulmonary artery perfusion by lung scanning. White RI Jr, et al. Am J Roentgenol Radium Ther Nucl Med 111:501-9, Mar 71
Evaluation of lesions of the aorta and major arteries by scintillation camera technics. Ihnen M, et al. Am J Surg 122:95-100, Jul 71
Myeloscintigraphy with I-131 labelled hippuran. A new

screening method for demonstration of spinal block lesions. Huusko S. Ann Clin Res 1:Suppl 2:1-55, 1969
Bone scans in transient osteoporosis. Hunder GG, et al. Ann Intern Med 75:134, Jul 71
The technetium scintigram as an indicator of synovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Cosh JA, et al. Ann Rheum Dis 29:691, Nov 70
Articular scanning and external counting in experimental synovitis in the guinea-pig. Mowat AG, et al. Ann Rheum Dis 30:183-6, Mar 71
The technetium scintigram as an indicator of syovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Osh JA, et al. Ann Rheum Dis 29:691, Nov 70
Bilateral diaphragmatic hernia from blunt injury causing a Budd-Chiari syndrome: use of liver and spleen scan in demonstrating the defects. Clay MG, et al. Ann Surg 173:321-4, Feb 71
Radioisotopic assessment of cerebral edema. Potchen EJ, et al. Arch Neurol 24:287-90, Apr 71
Radioisotope scanning for parotid oncocytoma. Ausband JR, et al. Arch Otolaryngol 93:628-9, Jun 71
[The use of radio-iodinated human albumin macroaggregates in pulmonary scintiscanning] Boldi Trotti M, et al. Arch Sci Med (Torino) 128:78-84, Apr-Jun 71
Evaluation of strontium 85 bone scans and roentgenograms in 100 patients. Milner TH, et al. Arch Surg 103:371-2, Sep 71
Quantitative gammagraphy of the thyroid gland with 99mTc and 131-I. A comparative study. Baptista AM, et al. Arq Patol 42:47-54, 1970
Avoiding false-positive joint scans by the use of labeled albumins. Cohen MB, et al. Arthritis Rheum 14:32-3 passim, Jan-Feb 71
Intra-synovial 131 I human serum albumin (HSA) in the investigation of joint disease. Muirden KD, et al. Aust NZ J Med 1:121-5, May 71
Placental localization with radionuclides. Buttfield IH, et al. Aust NZ J Obstet Gynaecol 11:72-7, May 71
The place of liver scanning in hepatic surgery. Connolly RJ, et al. Aust NZ J Surg 40:259-66, Feb 71
The natural history of postoperative deep vein thrombosis. Rosengarten DS. Aust NZ J Surg 40:285-9, Feb 71
Scintiscanning in the detection and diagnosis of subdural haematoma and hygroma. Vaughan RJ, et al. Aust NZ J Surg 40:343-7, May 71
Inhalation and perfusion lung scans in bronchial asthma. Despas P, et al. Australas Ann Med 19:304-9, Nov 70
The occult thymoma: radiological and radioisotopic aids to diagnosis. Hare WS, et al. Australas Ann Med 19:30-3, Feb 70
Scintiphotography and rectilinear scanning of the lung using 99mTc-MAFH (macroaggregated ferrous hydroxide). A comparison of 100 subjects. Cook DJ, et al. Australas Radiol 15:32-7, Feb 71
Radionuclide scanning in renal space-occupying lesions. Dugdale LM. Australas Radiol 14:281-5, Aug 70
A body scanner using a matrix system. Cronquist AG. Biomed Eng 5:552-5, Nov 70
Studies of pancreatic morphology and function with 75-selenomethionine. Agnew JE, et al. Br J Radiol 44:403, May 71
Dynamic function studies with a gamma camera and on-line computer. Barker MC, et al. Br J Radiol 44:77, Jan 71
The on-line applications of a small digital computer to a gamma scintillation camera. Bentley RE. Br J Radiol 44:77, Jan 71
Clinical evaluation of radioindium brainscanning. Burrows EH. Br J Radiol 44:564, Jul 71
Digital and analogue processing of radioisotope scans. Coakley S, et al. Br J Radiol 44:76, Jan 71
Spleen scanning using a double isotope technique. Costeas A, et al. Br J Radiol 44:404, May 71
Some aspects of studies relating to pancreas scanning. Cottrall MF, et al. Br J Radiol 44:402-3, May 71
A comparative statistical analysis of brain scans using a digital computer. Dowsett DJ, et al. Br J Radiol 43:617-28, Sep 70
Liver scintiscanning in acute hepatic necrosis. Fleischer MR, et al. Br J Radiol 44:401-2, May 71
The use of carbon 11 dioxide for skeletal scintigraphy. Galasko CS, et al. Br J Radiol 43:670-1, Sep 70
Kinetic studies of body organs using a gamma-camera. Glass HI, et al. Br J Radiol 44:233, Mar 71
Subtraction scanning techniques in liver and pancreas investigations. Gregg D, et al. Br J Radiol 44:402, May 71
A new radiopharmaceutical for lung scanning. Hawkins LA, et al. Br J Radiol 43:830, Nov 70
Estimation of splenic volume in vivo. Keeling DH, et al. Br J Radiol 44:403, May 71
Gallium 67 citrate scanning in neoplastic and inflammatory lesions. Lavender JP, et al. Br J Radiol 44:361-6, May 71
18F and 85Sr scintimetry in the study of primary arthropathies. Muheim G, et al. Br J Radiol 44:290-4, Apr 71
Interpretation of brain scans by computer analysis. Popham MG, et al. Br J Radiol 43:835-47, Dec 70
The value of scintiscanning in the diagnosis of hepatic tumours using both selenomethionine and technetium. Rake MO, et al. Br J Radiol 43:830, Nov 70
Evaluation of surgical ventricular shunts using sodium pertechnetate (Na99Tcm04). Rowan JO, et al. Br J Radiol 43:831, Nov 70
The on-line application of a small digital computer to a gamma scintillation camera. Smith AH, et al. Br J Radiol 44:76-7, Jan 71
The choice of a computer for on-line processing of radioisotope scans. Todd-Pokropek AE, et al. Br J Radiol 44:76, Jan 71
An off-line system for collection and processing gamma camera data. Vernon P, et al. Br J Radiol 44:76, Jan 71
The measurement of splenic red cell volume. Williams ED, et al. Br J Radiol 44:403, May 71
Investigations of the liver, spleen and pancreas using radionuclides. Williams R. Br J Radiol 44:400-1, May 71
Liver and spleen scanning: some physical and clinical aspects. Wood EJ, et al. Br J Radiol 44:402, May 71
Statistical analysis of skeletal scintigrams. Galasko CS, et al. Br J Surg 58:302, Apr 71
The role of scintigraphy in the assessment of response to therapy of skeletal metastases from mammary cancer. Galasko CS, et al. Br J Surg 57:859, Nov 70
18 fluorine total body scans in patients with carcinoma of the prostate. Roy RR, et al. Br J Urol 43:58-64, Feb 71
Isotopic and radiological investigation of renal function for hypertension. Angel JH, et al. Br Med J 4:95-6, 10 Oct 70
Thyroid scanning with 131Cs. Murray IP, et al. Br Med J 4:653-6, 12 Dec 70
Resolution of pulmonary embolism. Walker RH, et al. Br Med J 4:135-9, 17 Oct 70
Accuracy of liver scintiphotography using a plastic and water phantom. Vidrih VE, et al. Can J Surg 14:273-9, Jul 71
Pulmonary embolism following liver scan with colloidal gold. Lamoureux J, et al. Can Med Assoc J 104:512-3, 20 Mar 71
Diagnosis of malignant bone disease with strontium-87m scans. Samuels LD. Can Med Assoc J 104:411-3, 6 Mar 71
Scintigraphy and arteriography in the diagnosis of diseases of the liver. Wang I, et al. Can Med Assoc J 104:989-93, 5 Jun 71
Brain and liver scans in the evaluation of lung cancer patients. Hayes TP, et al. Cancer 27:362-3, Feb 71
Radioisotopic detection of experimental myocardial infarction using mercury derivatives of fluorescein. Hubner PJ. Cardiovasc Res 4:509-14, Oct 70
Thoracic lymph node scintiscan as a diagnostic test in mediastinal malignant enlargement. Anetyris N, et al. Chest 59:372-7, Apr 71
Longitudinal distribution of blood in the rabbit in relation to the heart, with observations on the contribution of different organs. Dickinson CJ, et al. Circ Res 27:851-61, Nov 70
Measurement of heart chamber volumes by analysis of dilution curves simultaneously recorded by scintillation camera. Ishii Y, et al. Circulation 44:37-46, Jul 71
RISA brain scans in chilren. Movement of radioactive albumin in cerebrospinal fluid aids recognition of disturbances in flow. Samuels LD, et al. Clin Pediatr (Phila) 10:109-14, Feb 71
99mTc pertechnetate scans of posterior fossa tumors in children. Some examples of its practical utility. Samuels LD. Clin Pediatr (Phila) 10:210-7, Apr 71
Isotope scanning and fibrinogen degradation p;roducts in deep vein thrombosis. Wood EH, et al. Clin Sci 40:25P, Jun 71
A computer-controlled scintiscanning system and associated computer graphic techniques for study of regional distribution of blood flow. Coulam CM, et al. Comput Biomed Res 3:249-73, Jun 70
Distribution of the carotid circulation in dog. Lopez-Majano V, et al. Cor Vasa 13:71-6, 1971
Radioisotope scanning in the management of benign thyroid disease. Charkes ND. Del Med J 42:227-31, Sep 70
Lung scan and shunted childhood hydrocephalus. Brisman R, et al. Dev Med Child Neurol [Suppl] 22:Suppl 22:18+, 1970
Scanning of the stomach with 99mTc. Mikolajków A, et al. Digestion 3:357-67, 1970
Re-evaluation f the merit of the liver scan in the management of patients with cancer of te colon and rectum. Gennaro AR, et al. Dis Colon Rectum 14:43-5, Jan-Feb 71
Electroencephalography and brain scan in the diagnosis of posterior fossa lesions. Boller FC, et al. Dis Nerv Syst 31:490-3, Jul 70
Correlation between EEGs and technetium brain scans: a 16 month study. Baro WE. Electroencephalogr Clin Neurophysiol 30:159, Feb 71
Correlation between EEGs and technetium brain scans--a preliminary report. Baro WZ, et al. Electroencephalogr Clin Neurophysiol 30:95, Jan 71
Comparison of scanning and palpation in the assessment of the weight of the thyroid gland. Malamos B, et al. Endokrinologie 56:232-40, 1970
The proven value of liver scanning. Poe ND, et al. Geriatrics 26:123-33, Apr 71
75se-selenomethionine in the scintiscan diignosis of primary hepatocellular carcinoma. Eddleston AL, et al. Gut 12:245-9, Apr 71
The uptake of 89 Sr and 65 Zn by mouse melanoma. Woodard HQ, et al. Health Phys 20:643-4, Jun 71
The use of renal scanning in the investigation of flank masses in the neonatal period. Reisner S, et al. Helv Paediatr Acta 26:39-45, Apr 71
An experimental study on the relation between the scintigram of the irradiated liver using 198-Au-colloid and changes in uptake of reticuloendothelial cells. Nomura S. Hiroshima J Med Sci 19:51-61, Sep 70
A potential scanning agent to distinguish malignant from non-malignant tissue. Penn HS, et al. Indian J Chest Dis 12:36-9, Jan-Apr 70
Rapid separation of generator-produced gallium-68 from EDTA eluate. Carlton JE, et al. Int J Appl Radiat Isot 22:44-5, Jan 71
Distribution and dosimetry of 113mIn colloid used for bone marrow scanning. Colombetti LG, et al. Int J Appl Radiat Isot 21:643-7, Nov 70
99m Tc sulfur colloid absorbed on ferric hydroxide macroaggregates for lung perfusion imaging. Huberty JP. Int J Appl Radiat Isot 22:425-7, Jul 71
Rational selection of parameters in ratemeter controlled rectilinear scanning (with special reference to colour presentation). Keyes WI, et al. Int J Appl Radiat Isot 21:649-55, Nov 70
Rapid preparation of macroaggregates of 99m Tc-sulphur and human serum albumin. Neill GD. Int J Appl Radiat Isot 22:42-4, Jan 71
The application of the modulation transfer function to reduce unsharpness in scintigrams. Okumura Y. Int J Appl Radiat Isot 22:49-52, Jan 71
Comparative study of angiography and lung scanning in the preoperative diagnosis of bronchogenic carcinoma. Petríková J, et al. Int Surg 55:335-42, May 71
The uptake of radioactive cesium by transplanted human and animal hearts: theoretical and practical significance. Carr EA Jr, et al. Int Z Klin Pharmakol Ther Toxikol 4:72-82, Dec 70
Estimation of bone and skeletal weight by direct photon absorptiometry. Mazess RB. Invest Radiol 6:52-60, Jan-Feb 71
Scanning phantom allowing planar and depth responses. Treves S, et al. Invest Radiol 5:368, Sep-Oct 70
Radioisotope 69mZn chloride prostate gland scan. I. 69mZn organ distribution studies and gamma-camera scan in canine subjects. Gold FM, et al. Invest Urol 8:231-8, Sep 70
Nuclear medicine in obstetrics and gynecology. Gierke LW. J Am Osteopath Assoc 70:1365-6, Aug 71
Radioisotope renal studies in clinical medicine. Marting TE. J Am Osteopath Assoc 70:642-61, Mar 71
Continuation of the study of the effect of thoracic mobilization on the distribution of 131 I MAA in the lungs. Murphy AJ. J Am Osteopath Assoc 70:1057-8, Jun 71
Strontium-85 bone scanning: review of 49 cases. Williams PM. J Am Osteopath Assoc 70:213-21, Nov 70
An approach to a storage and data handling procedure in static and dynamic scintigraphy. Goris M, et al. J Belge Radiol 52:168-89, 1969
A critical study of the contribution of bone scintigraphy to the diagnose in orthopaedic conditions. Roo MJ de, et al. J Belge Radiol 52:220-33, 1969
Bone scanning in orthopaedics. Godlee N. J Bone Joint Surg [Br] 52:593-6, Nov 70
Prognosis in spontaneous osteonecrosis of the knee. Investigation by radionuclide scintimetry and radiography. Muheim G, et al. J Bone Joint Surg [Br] 52:805-12, Nov 70
Rupture of a mediastinal vein detected by 131-I-MAA scanning. Bachynski JE. J Can Assoc Radiol 22:58-9, Mar 71
169 Ytterbium diethylenetriaminepentaacetic acid (169 YB DTPA)--a versatile radiopharmaceutical. James AE Jr, et al. J Can Assoc Radiol 22:136-43, Jun 71
Radionuclide scanning complementing high dose urography in children. Lefcoe MS, et al. J Can Assoc Radiol 21:266-9, Dec 70
Measurement of intrathoracic circulation times with the gamma-ray scintillation camera. Rosenthall L. J Can Assoc Radiol 21:226-9, Dec 70
Positive identification of lung neoplasms with 197HgCl2. Rosenthall L, et al. J Can Assoc Radiol 21:181-3, Sep 70
Thyroid metastases diagnosed by 99m Tc scanning. A case report. Wiener SN, et al. J Can Assoc Radiol 21:190-1, Sep 70
Blood distribution through the lungs before and after mitral commissurotomy: a quantitative assessment by 131-I. Cellerino A, et al. J Cardiovasc Surg (Torino) 13:66-70, Jan-Feb 71
Blood distribution through the lung after pneumonectomy: a quantitative assessment by 131-I. Cellerino A, et al. J Cardiovasc Surg (Torino) 12:55-65, Jan-Feb 71
Diagnosis of hepatic tumors by liver scintiscanning.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Chen CC, et al.
J Formosan Med Assoc 70:115-30, 28 Mar 71
The hippuran 131-iodine renal scan in renal failure. Mishkin FS.
J Indiana State Med Assoc 63:1179-80, Oct 70
Diagnosing venous thrombosis.
J Iowa Med Soc 60:712-3, Oct 70
Advancesin nuclear medicine--radioisotopes in evaluation of neurological disorders. Ihnen M, et al.
J Med Assoc Ga 60:116-9, Apr 71
131-I-MAA scintiscanning of the lungs. An analysis of results from 313 performances. Bovornkitti S, et al.
J Med Assoc Thai 53:857-81, Dec 70
RISA cisternographic studies in various neurological disorders. Chitanondh H, et al.
J Med Assoc Thai 54:5-17, Jan 71
Estimation of red cell sequestration in the spleen by modified excess spleen count method. Suwanik R, et al. J Med Assoc Thai 53:372-5, May 70
Abnormal brain scan with subacute extradural haematomas. Morley JB, et al.
J Neurol Neurosurg Psychiatry 33:679-86, Oct 70
Positive brain scan in hyperparathyroidism. A case report. Brooks T 3d, et al. J Neurol Sci 13:227-30, Jun 71
RISA cisternography as a routine procedure in neurological patients. Oosterhuis HJ, et al.
J Neurol Sci 13:209-26, Jun 71
Radiomercury labeled chromic-beta-glycerophosphate: a new tumor localizing agent. Anghileri J, et al.
J Nucl Biol Med 13:115-22, Jul-Sep 69
Diagnosis of malignant lesions of he liver by radiocolloid and 131-I fibrinogen. Riccioni N.
J Nucl Biol Med 13:160-6, Oct-Dec 69
113m indium for liver scanning. Vigneri R, et al.
J Nucl Biol Med 13:106-14, Jul-Sep 69
The 99mTc labeling of erythrocytes. Anghileri LJ, et al.
J Nucl Med 11:530-3, Sep 70
Diagnostic significance of the relative uptake of liver compared with spleen in 99mTc-sulfur colloid scintiphotography. Bekerman C, et al.
J Nucl Med 12:237-40, May 71
Radiolabeled cholesterol as an adrenal scanning agent. Blair RJ, et al. J Nucl Med 12:176-82, Apr 71
Lateral liver scanning: an index to hepatic and retrohepatic disease. Blum M, et al.
J Nucl Med 11:753-7, Dec 70
A practical compromise in bone scanning. Braunstein P, et al. J Nucl Med 12:639-40, Sep 71
Evaluation of 99mTc-DTPA acid as a brain scanning agent. Brookeman VA, et al.
J Nucl Med 11:733-8, Dec 70
Computer processing of scans using Fourier and other transformations. Brown DW, et al.
J Nucl Med 12:287-91, Jun 71
Labeling iron-free albumin microspheres with 113mIn. Buchanan JW, et al. J Nucl Med 12:616-9, Sep 71
99mTc-human albumin microspheres (HAM) for lung imaging. Burdine JA, et al.
J Nucl Med 12:127-30, Mar 71
Determination of cardiac output by radioisotope angiography and the image-intensifier scintillation camera. Burke G, et al. J Nucl Med 12:112-6, Mar 71
The preliminary application of a matrix inversion method for radionuclide imaging. Cahill P, et al.
J Nucl Med 11:613-5, Oct 70
Fissure sign in lung perfusion scintigrams. Chandler HL. J Nucl Med 12:326-7, Jun 71
Is it the blood background? Chandra R, et al.
J Nucl Med 12:650-2, Sep 71
Isotopic cisternography in Sturge-Weber syndrome. Chang JC, et al. J Nucl Med 11:551-3, Sep 70
A unique case of amebic abscess of the liver. Cohen MB.
J Nucl Med 12:192-5, Apr 71
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J Nucl Med 12:321-3, Jun 71
Image enhancement of radionuclide scans by optical spatial filtering. Cykowski CB, et al.
J Nucl Med 12:85-7, Feb 71
Visualization of the human spleen with 99mTc-labeled red blood cells. Eckelman W, et al.
J Nucl Med 12:310-1, Jun 71
The effect of potassium perchlorate on the uptake of 99mTc-pertechnetate in choroid plexus papillomas: a report of two cases. Fagan JA, et al.
J Nucl Med 12:312-4, Jun 71
Evaluation of a 133Xe ventilation technique for diagnosis of pulmonary disorders. Farmelant MH, et al. J Nucl Med 12:586-90, Sep 71
False positives and negatives with 87mSr. Galasko CS.
J Nucl Med 12:142-3, Mar 71
Liver and lung scintiphotos for the detection of subdiaphragmatic abscess--an easy technique. Gallamore GD. J Nucl Med 12:144-5, Mar 71
Primary congenital lymphedema in infancy evaluated by isotope lymphangiography. Gates GF, et al.
J Nucl Med 12:315-7, Jun 71
99mTc brain scanning in herpes virus type I encephalitis. Halpern SE, et al.
J Nucl Med 11:548-50, Sep 70
Scintiphotographic evaluation of response of brain neoplasms to systemic chemotherapy. Handel SF, et al. J Nucl Med 12:292-6, Jun 71
Physical and biological properties of a 99mTc-sulfur colloid preparation containing disodium edetate. Haney TA, et al. J Nucl Med 12:64-8, Feb 71
Spinal cord dosimetry in 131-I-IHSA cisternography. Harbert JC, et al. J Nucl Med 11:534-41, Sep 70
Use of lithium-drifted germanium detectors for clinical radionuclide scanning. Hoffer PB, et al.
J Nucl Med 12:25-7, Jan 71
Instant labeling of macro- and microaggregated albumin with 99mTc. Honda T, et al.
J Nucl Med 11:580-5, Oct 70
Organic radiopharmaceuticals labeled with short-lived nuclides. 3. 18F-labeled phenylalanines. Hoyte RM, et al. J Nucl Med 12:280-6, Jun 71
43KCl: a new radiopharmaceutical for imaging the heart. Hurley PJ, et al. J Nucl Med 12:516-9, Jul 71
Diagnosis and differentiation of constitutional hyperbilirubinemias using sequential scanning with 131-I-BSP (monoiodide). Iio M, et al.
J Nucl Med 12:95-7, Feb 71
Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism. Isawa T, et al.
J Nucl Med 12:606-9, Sep 71
Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma. Jhingran SG, et al.
J Nucl Med 12:227-30, May 71
99mTc-technetium dioxide for liver scanning. Johnson AE, et al. J Nucl Med 11:564-5, Sep 70
A computer simulation of the scanning processuusing a system response to line source distribution function. Krackow KA, et al. J Nucl Med 11:523-6, Sep 70
False-positive pulmonary photoscans obtained with a dual-probe detector system. Krishnamurthy GT, et al.
J Nucl Med 11:719-22, Dec 70
Radioiodinated toluidine blue: an unsatisfactory scanning agent. Larose JH, et al.
J Nucl Med 11:731-2, Dec 70
Dimensions of the normal adult spleen scan and prediction of spleen weight. Larson SM, et al.
J Nucl Med 12:123-6, Mar 71
69mZn-chloride-a new scanning agent: a study of its dosimetry and biological fate. Lorber SA, et al.
J Nucl Med 11:699-703, Dec 70
113mIn scanning for visualizing and evaluating giant intracranial aneurysm postoperatively. Lubin E, et al.
J Nucl Med 12:88-9, Feb 71
Dot counting in scintigraphy. Lying-Tunell U, et al.
J Nucl Med 12:269-70, May 71
Hemodynamic alterations related to extent of lung scan perfusion defect in pulmonary embolism. McIntyre KM, et al. J Nucl Med 12:166-70, Apr 71
Radionuclide angiogram and scan findings in a case of herpes simplex encephalitis. Mishkin FS.
J Nucl Med 11:606-9, Oct 70
An improved method for visualizing carotid blood flow in the neck. Moody D, et al. J Nucl Med 12:520-2, Jul 71
Brain scanning in the diagnosis of astrocytomas of the brain. Moreno JB, et al. J Nucl Med 12:107-11, Mar 71
Section imaging by computer calculation. Muehllehner G, et al. J Nucl Med 12:76-84, Feb 71
A method using a digital computer for reducing respiratory artifact on liver scans made with a camera. Oppenheim BE. J Nucl Med 12:625-8, Sep 71
Dual-radioisotope techniques and digital image-subtraction methods in pancreas visualization. Overton TR, et al. J Nucl Med 12:493-8, Jul 71
Localization of 87mSr in extra-osseous tumors. Papavasiliou C, et al. J Nucl Med 12:265-8, May 71
Changes in lung scan pattern related to free fluid and cardiac position. Partlow WF, et al.
J Nucl Med 12:2-4, Jan 71
Choriocarcinoma scanning using radiolabeled anti-body to chorionic gonadotrophin. Quinones J, et al.
J Nucl Med 12:69-75, Feb 71
Uptake of 203Hg-hydroxy-mercury-fluorescein in myocardial infarcts. Ramanathan P, et al.
J Nucl Med 12:641-3, Sep 71
An unusual scan in cerebral infarction. Rothfeld B.
J Nucl Med 12:47-8, Jan 71
Cerebrospinal fluid circulation following subarachnoid hemorrhage. Rudd TG, et al.
J Nucl Med 12:61-3, Feb 71
Visualization of gastric mucosa on 99mTc-sulfur colloid liver-spleen scans: a puzzling artifact. Samuels LD.
J Nucl Med 12:271-2, May 71
Uptake of 85Sr by an osteosarcoma metastatic to lung. Schall GL, et al. J Nucl Med 12:131-3, Mar 71
A digital ratemeter system for rectilinear scanning. Sear R, et al. J Nucl Med 12:320-1, Jun 71
Evaluation of spleen size during routine liver imaging with 99mTc and the scintillation camera. Sigel RM, et al. J Nucl Med 11:689-92, Nov 70
Reduction of physiologic degradation in imaging the liver. Smoak WM, et al. J Nucl Med 12:119-22, Mar 71
Use of 135mBa and 131Ba as bone-scanning agents. Spencer RP, et al. J Nucl Med 12:216-21, May 71
Growth of the human liver: a preliminary scan study. Spencer RP, et al. J Nucl Med 11:680-2, Nov 70
Estimation of functional size of the spleen. Spencer RP.
J Nucl Med 11:616, Oct 70
Tumor thrombus of the right atrium displayed by rapid sequence scintiphotography. Staub RT.
J Nucl Med 11:559-60, Sep 70
Specific gamma-ray and equilibrium absorbed-dose constants for barium-135m. Syed IB, et al.
J Nucl Med 12:630-1, Sep 71
Chemical and electron microscope observations of a safe PVP-stabilized colloid for liver and spleen scanning. Szymendera J, et al.
J Nucl Med 12:212-5, May 71
Disappearance of iodoalbumin from pericardial sac in a patient with myxedema. Tauxe WN, et al.
J Nucl Med 11:554-8, Sep 70
An inexpensive method to reproduce scans. Trites AE.
J Nucl Med 12:272-3, May 71
Effect of tracer doses of 131I on serum protein-bound iodine and serum thyroxine concentration. Vagenakis AG, et al. J Nucl Med 12:637-8, Sep 71
Clinical experience with the multiplane tomographic scanner. Volpe JA, et al. J Nucl Med 12:101-6, Mar 71
Full-size scintiphotography in pericardial effusion diagnosis. Wilcox FW, et al.
J Nucl Med 12:134-5, Mar 71
A critical evaluation of 99mTc-Fe-ascorbic acid complex as a renal scanning agent. Winston MA, et al.
J Nucl Med 12:171-5, Apr 71
Quantitative method of evaluating focused collimators. Wyper DJ, et al. J Nucl Med 12:197-203, May 71
A new rapid technique for the iodalization of abnormalities in migration of the thyroid gland. Ashkar FS, et al. J Pediatr 78:870-3, May 71
Radionuclide scintigraphy for detection of vesicoureteral reflux in children. Biaufox MD, et al.
J Pediatr 79:239-46, Aug 71
99m Tc pertechnetate for detection of cryptic thyroid tissue in childhood hypothyroidism. Hayek A, et al.
J Pediatr 79:466-8, Sep 71
Organ scan diagnosis of abdominal masses in children. Samuels LD. J Pediatr Surg 6:124-31, Apr 71
Investigation of lung perfusion by simultaneous use of scintigraphy and aminophylline. Ernst H, et al.
J Physiol (Lond) 206:23P-25P, Feb 70
Solitary lesions of the liver displayed by radioisotope scanning. Ackery DM.
J R Nav Med Serv 56:245-51, Winter 70
Ventilation and perfusion after transplantation of the lung. Studies with intravenous xenon-133. Hutchin P, et al. J Thorac Cardiovasc Surg 61:476-86, Mar 71
A comparison of lung scanning and differential bronchospirometry as pulmonary function tests in dogs. Isawa T, et al.
J Thorac Cardiovasc Surg 60:719-29, Nov 70
Pretreatment diagnostic evaluation with reference to pulmonary scans in lung cancer. James AE Jr, et al.
J Thorac Cardiovasc Surg 61:530-40, Apr 71
Lung scan in cardiopulmonary disease. I. Tetralogy of Fallot. Lin CY.
J Thorac Cardiovasc Surg 61:370-9, Mar 71
The scintillation camera in embolic acute renal failure. Hartenbower DL, et al. J Urol 104:799-802, Dec 70
"Owl eye" sign of benign autonomous thyroid nodule. Ashkar FS, et al. JAMA 214:1563, 23 Nov 70
The dynamic thyroid study. A rapid evaluation of thyroid function and anatomy using 99mTc as pertechnetate. Ashkar FS, et al.
JAMA 217:441-6, 26 Jul 71
Visualization of human adrenal glands in vivo by scintillation scanning. Beierwaltes WH, et al.
JAMA 216:275-7, 12 Apr 71
Giant splenomegaly in sarcoidosis demonstrated by radionuclide scintiphotography. Response to corticosteroid therapy. Burt RW, et al.
JAMA 215:2110-1, 29 Mar 71
Selenomethionine Se 75 thymus scans in myasthenia gravis. Cowan RJ, et al. JAMA 215:978-9, 8 Feb 71
Interval brain scanning with sodium pertechnetate Tc 99m for tumor detectability. Gates GF, et al.
JAMA 215:85-8, 4 Jan 71
Xerostomia in Sjögren's syndrome. Evaluation by sequential salivary scintigraphy. Schall GL, et al.
JAMA 216:2109-16, 28 Jun 71
Postoperative deep venous thrombosis. A comparison of diagnostic techniques. Milne RM, et al.
Lancet 2:445-7, 28 Aug 71
Radioisotope scanning of metastatic lesions of bone. Legge DA, et al. Mayo Clin Proc 45:755-61, Nov-Dec 70
The reliability of chromium-51 isotope scanning in the diagnosis and management of placenta praevia. Bagley GP, et al. Med Ann DC 40:1-3, Jan 71
Diagnostic nuclear medicine, today and tomorrow. Benua RS.
Med Clin North Am 55:545-60, May 71 (42 ref.)
Radioisotope colour scanning of the liver in the diagnosis of liver disease. Dharmalingam SK, et al.
Med J Malaya 25:83-90, Dec 70
Scintillation scanning in the diagnosis of neurological disease. Mahadev V. Med J Malaya 24:290-6, Jun 70
The use of the liver scan in the treatment of hepatic abscess. Stanford W, et al. Milit Med 134:43-6, Jan 69
The value of isotope scanning in the diagnosis of brain tumors in childhood. Frigeni G, et al.
Minerva Neurochir 14:10-6, 1970
Radioisotope detection of ocular melanomas. Walsh TJ, et al. N Engl J Med 284:317-8, 11 Feb 71
A noninvasive scintiphotographic method for detecting regional ventricular dysfunction in man. Zaret BL, et al. N Engl J Med 284:1165-70, 27 May 71
Determining body composition by radiation absorption

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

spectrometry. Mazess RB, et al.
Nature (Lond) 228:771-2, 21 Nov 70
Brain scans in pituitary tumors. Evens RG, et al.
Neurology (Minneap) 21:806-9, Aug 71
Thyroid tumour scanning with 197HgCl2. Preliminary note. Artagaveytia D, et al.
Nucl Med (Stuttg) 9:350-3, 31 Dec 70
Patterns for differentiation of posterior fossa neoplasms as detected by brain scans. De Land FH, et al. Nucl Med (Stuttg) 9:303-16, 31 Dec 70
Evaluation of the lung scintiphoto as a screening test for pulmonary disease. Halpern S, et al.
Nucl Med (Stuttg) 10:135-45, 1971
Double-detector scinticamera for visualization of cold nodules in bulky organs. A preliminary phantom investigation. Mikolajków A, et al.
Nucl Med (Stuttg) 10:201-3, 1971
Investigation of distortions in gamma camera scintigraphic pictures. Tolwiński J, et al.
Nucl Med (Stuttg) 9:70-7, 30 Mar 70
Evaluation of pictures obtained with a scintillation camera and a 1600-channel analyser, using a perspex phantom. Tolwiński J, et al.
Nucl Med (Stuttg) 9:78-83, 30 Mar 70
Lung scanning with the gamma camera, using complexes of 99m Tc-sulphur colloid and macroaggregated human serum albumin. Weber TH, et al. Nucl Med (Stuttg) 10:129-34, 1971
99m Tc technetium sulfide and the scintillation camera in the rapid diagnosis of pericardial effusion. Weiss E, et al. Nucl Med (Stuttg) 10:123-8, 1971
The importance of the lateral liver scan. Weiss ER, et al. Nucl Med (Stuttg) 10:47-54, 30 Apr 71
Placental imaging with 113mIn transferrin and 99mTc serum albumin. James AE Jr, et al.
Obstet Gynecol 37:602-11, Apr 71
Low-dose RISA for placental localization. McCormick WG, et al. Obstet Gynecol 38:688-91, Nov 70
Asymptomatic pulmonary embolism during pregnancy. Ross M, et al. Obstet Gynecol 37:131-3, Jan 71
Blood-pool imaging of the placenta with short-lived radioisotopes. 113m Indium-gelatin Vs 131 RISA and 99m technetium-albumin. Sharf M, et al.
Obstet Gynecol 38:217-20, Aug 71
Brain scans with 99mTc in the diagnosis of intracranial tumours in children. Mussa GC, et al.
Panminerva Med 13:1-6, Jan-Feb 71
Computer assisted evaluation of liver scans. Chackett KF, et al. Phys Med Biol 16:533-5, Jul 71
A digital subtraction technique for dual isotope scintigraphy. Kemplay JR, et al.
Phys Med Biol 16:243-8, Apr 71
Studies on three-dimensional scintigraphy with gamma-gamma-coincidences. Schmitz-Feuerhake I.
Phys Med Biol 15:849-56, Oct 70
Threshold detection tests in radioisotope scanning. Sharma RR, et al. Phys Med Biol 15:289-300, Apr 70
The on-line application of a small digital computer to a gamma scintillation camera. Smith AH, et al.
Phys Med Biol 15:503-16, Jul 70
Approaches to optimal data processing radioisotope imaging. Tanaka E, et al.
Phys Med Biol 15:683-94, Oct 70
An attempt to use 99mTc for scintiscanning of salivary glands. Chomicki OA, et al. Pol Med J 9:1062-6, 1970
Radioisotopic scintigraphy in diagnosis of liver abscess. Toth Z. Pol Med J 9:1352-6, 1970
The value of radioisotope scintigraphy in the diagnosis of liver cirrhosis. Toth Z. Pol Med J 9:1346-51, 1970
Radioisotope scintiscanning in the diagnostics of gallbladder diseases. Toth Z. Pol Med J 9:1067-92, 1970
Role of nuclear medicine in cancer. James AE Jr, et al.
Postgrad Med 48:88-94, Nov 70
The diagnosis of pulmonary embolism: a review with particular reference to the use of radionuclides. Cook DJ, et al. Postgrad Med J 47:214-26, Apr 71 (138 ref.)
Differing cerebral scan characteristics of different pathological lesions. Morley JB, et al.
Proc Aust Assoc Neurol 7:111-4, 1970
The place of isotope encephalography by the lumbar route in neurological diagnosis. Bannister R.
Proc R Soc Med 63:921-5, Sep 70
Renal scintigraphy in pyelonephritis. Davies ER, et al.
Proc R Soc Med 64:63-4, Jan 71
The clinical value and limitations of liver scanning. Dovey P. Proc R Soc Med 64:565-8, May 71
The choice between carotid angiography and brain-scanning in the investigation of tumour suspects. Du Boulay G, et al.
Proc R Soc Med 63:926-30, Sep 70
Deep-seated mischief. Physics methods. Fowler JF.
Proc R Soc Med 63:1291-2, Dec 70
Pancreas scanning using a double isotope technique. McCready VR, et al. Proc R Soc Med 64:347-8, Apr 71
Quantitative aspects of lung scanning. Walker RH, et al.
Proc R Soc Med 64:344-7, Apr 71
Lung scintiphotography with 113mIn Fe(OH)3 aggregates. Tori G, et al.
Radiol Clin Biol 39:476-84, 1970
A dowex resin labelled with In-113m for lung scanning. Preliminary report. Erjavec M, et al.
Radiol Diagn (Berl) 11:791-2, 1970
Scintigraphic detection of pulmonary bacterial infections with labeled thyroid hormones and pertechnetate. Adelberg HM, et al.
Radiology 99:141-6, Apr 71
Tomographic imaging with the scintillation camera in the detection and characterization of brain lesions. Chamroenngan S, et al. Radiology 98:445-8, Feb 71
167 Tm: a new bone scanning agent. Chandra R, et al.
Radiology 100:687-9, Sep 71
Three-dimensional radionuclide imaging: stereoscintiphotography. Charkes ND.
Radiology 98:335-9, Feb 71
99mmTc-iron hydroxide macroaggregates (99mTc-FHMA): stability studies. Davis MA.
Radiology 98:448-9, Feb 71
Changes in liver and spleen scans of patients during treatment with two hypolipidemic drugs. Dujovne CA, et al. Radiology 98:683-4, Mar 71
99mTc sulfur colloid macroaggregates. A new lung-scanning agent. Ficken V, et al.
Radiology 97:289-95, Nov 70
Brain scans in multiple sclerosis. Gize RW, et al.
Radiology 97:297-9, Nov 70
Detection of carotid artery obstruction by intravenous radionuclide angiography. Griep RJ, et al.
Radiology 97:311-6, Nov 70
The appearance of intrahepatic biliary duct dilatation on the liver scan. Heck LL, et al.
Radiology 99:135-40, Apr 71
Fluorescent thyroid scanning: scanning without radioisotopes. Initial clinical results. Hoffer PB, et al.
Radiology 99:117-23, Apr 71
Ionic barium 135m: a new agent for bone scanning. Hosain F, et al. Radiology 98:684-6, Mar 71
Unilateral pulmonary artery agenesis, stenosis, and hypoplasia. Isawa T, et al. Radiology 99:605-12, Jun 71
Diagnosis of metastatic tumor in bone using the digital multicrystal camera. Johnson PM, et al.
Radiology 99:125-33, Apr 71
The diagnostic value of hepatic pliability as assessed from inspiration and expiration views on the gamma camera. Kranzler JK, et al. Radiology 97:323-6, Nov 70
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Radiology 97:269-76, Nov 70
Statistical relationship of brain scans, cervicocranial dynamic studies, and cerebral arteriograms. Meschan I, et al. Radiology 100:623-9, Sep 71
An experimental study of the effect of free pleural fluid on the lung scan. Mishkin FS, et al.
Radiology 97:283-7, Nov 70
Splenic masses detected by scintillation imaging and contrast tomography. Morgan H, et al.
Radiology 97:301-6, Nov 70
Bone scanning in regional migratory osteoporosis. Case report. O'Mara RE, et al. Radiology 97:579-81, Dec 70
Correlation between brain tumor detectability on brain scan and protein levels of the spinal fluid. Pinsky SM, et al. Radiology 98:672-3, Mar 71
Stomach uptake simulating tumor following the intra-arterial injection of 75Se-selenomethionine. Quinn JL 3d, et al. Radiology 98:341-2, Feb 71
Lung scanning with 99mTc-microspheres. Rhodes BA, et al. Radiology 99:613-21, Jun 71
The determination of spleen mass from radionuclide images. Rollo FD, et al. Radiology 97:583-7, Dec 70
Combined inferior vena cavography, iliac venography, and lung imaging with 99mTc albumin macroaggregates. Rosenthall L.
Radiology 98:623-6, Mar 71
Nucleographic screening of patients for left-to-right cardiac shunts. Rosenthall L.
Radiology 99:601-4, Jun 71
Clinical comparison of two 99mTc tracers for brain scanning: pertechnetate vs. labeled albumin. Schall GL, et al. Radiology 99:361-8, May 71
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Pancreatic radionuclide imaging using electronic subtraction technique. Staab EV, et al.
Radiology 99:633-40, Jun 71
Advantages of 99mTc pertechnetate for thyroid scanning in patients with decreased radioiodine uptake. Strauss HW, et al. Radiology 97:307-10, Nov 70
Computer assistance in the interpretation and quantification of lung scans. Strauss HW, et al.
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A new complex of 99mTc for skeletal imaging. Subramanian G, et al. Radiology 99:192-6, Apr 71
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Radiology 99:623-31, Jun 71
The scintillation camera in the dynamic evaluation of renal disorders. Weiss ER, et al.
Radiology 98:165-9, Jan 71
A comparison of blended and conventional photoscan displays. Wyper DJ. Radiology 99:147-51, Apr 71
Mercurascan test in ischaemia of the heart muscle caused by permanent ligature of the coronary artery. Málek P, et al. Rev Czech Med 17:11-5, 1971
Analysis of a differential functional pattern between non-cirrhotic chronic liver disease and hepatic cirrhosis: a multivariate approach. Coitorti M, et al.
Rev Int Hepatol 19:451-73, 1969
Isotopic splenoportography making use of intrasplenic injection of 133Xe. Kuba J, et al.
Rev Int Hepatol 19:173-82, 1969
Current means of scintigraphic diagnosis of diseases of the central nervous system. Constantinovici A.
Rev Roum Neurol 8:103-10, 1971
Bone scanning. A very useful and commonly performed procedure in evaluation of patients with carcinoma. Strader WJ, et al. Southwest Med 51:252-3, Nov 70
Reliability of liver scanning with 198 Au. Nordman E.
Strahlentherapie 141:877-81, Jun 71
The detection of skeletal metastases from carcinoma of the breast. Galasko CS.
Surg Gynecol Obstet 132:1019-24, Jun 71
Scintiscanning in the diagnosis of rupture of the spleen. O'Mara RE, et al.
Surg Gynecol Obstet 131:1077-83, Dec 70
The value of scintiscans in the diagnosis of splenic abscess. Zook EG, et al.
Surg Gynecol Obstet 131:1125-9, Dec 70
Pulmonary perfusion: scanning & arteriography. McConnell RW. Tex Med 67:62-7, Jan 71
Lung scanning in carcinoma of the bronchus. Walker RH, et al. Thorax 26:23-32, Jan 71
Study on peripheral circulation using 131-I-macroaggregated serum albumin. Shida H, et al.
Tohoku J Exp Med 101:311-6, Aug 70
Current status of radiosialography in tumor diagnosis. Gates GA.
Trans Am Acad Ophthalmol Otolaryngol 74:1183-95, Nov-Dec 70
Color enhancement of brain and orbital scans in proptosis. Kramer SG, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1240-8, Nov-Dec 70
Lung scan evaluation of the shunted hydrocephalic. Brisman R, et al. Trans Am Neurol Assoc 95:210-2, 1970
Early detection and classification of renal transplant rejection by B-K scan ratio and blood isotope clearance data. Hayes M, et al.
Transplantation 12:139-41, Aug 71
Rapid imaging of sequential isotope distributions. Wetzel RA. Va Med Mon 98:67-73, Feb 71
[Brain seriography by means of isotopes] Kvičala V, et al. Cas Lek Cesk 110:323-8, Apr 71 (Cze)
[Experiences with lung scintigraphy] Petříková J, et al.
Cas Lek Cesk 110:697-702, 23 Jul 71 (Cze)
[Demonstration of the placenta using the scintilation camera following administration of 99mTcHSA and 113mIn] Grif M, et al.
Cesk Gynekol 35:480-1, Oct 70 (Cze)
[Contribution of cerebral scintigraphy to the diagnosis of intracranial tumors] Kuba J, et al.
Cesk Neurol 34:36-41, Jan 71 (Cze)
[Cerebral isotope seriography] Kvičala, et al.
Cesk Neurol 34:128-33, May 71 (Cze)
[Experiences with pulmonary scintigraphy in children] Wiedermann M, et al.
Cesk Pediatr 26:287-90, Jun 71 (Cze)
[Placentography using radioactive indium-albumin In 113-HSA] Holan J, et al.
Cesk Radiol 24:275-8, Nov 70 (Cze)
[Mercuroscan--a new diagnostic and antiarrhythmic drug in ischemic heart disease] Málek P, et al.
Roshl Chir 50:164-71, Apr 71 (Cze)
[Isotopic myelography] Kvičala V.
Sb Lek 73:113-24, May 71 (Cze)
[Differential diagnosis of thyroid adenomas using color scintigraphy] Huvar A, et al.
Vnitr Lek 16:1171-5, Dec 70 (Cze)
[Liver scintigraphy with a view to liver metastases] Hansen HJ, et al. Nord Med 85:496-8, 22 Apr 71 (Dan)
[Cerebral scintigraphy with Technetium-99m-pertechnetate. Special emphasis on the value of studies for routine mass screening in the diagnosis of space occupying intracranial processes] Haase J, et al.
Ugeskr Laeger 133:545-50, 26 Mar 71 (Dan)
[Radioisotope scanning in hepatic amebiasis] Berg JA ten.
Ned Tijdschr Geneeskd 114:1844-52, 31 Oct 70 (Dut)
[Serial scintiphotography of the head and the neck region using the gamma camera] Hoencamp B.
Ned Tijdschr Geneeskd 115:457-62, 13 Mar 71 (Dut)
[Scintiphotography and serial scintiphotography of the liver] Hoencamp B.
Ned Tijdschr Geneeskd 114:1991-7, 28 Nov 70 (Dut)
[Use of radioisotopes in the diagnosis of venous thrombosis and lung embolies] Ottolander GJ den, et al. Ned Tijdschr Geneeskd 115:251-3, 6 Feb 71 (Dut)
[The usefulness of lung scanning in the diagnosis of pulmonary embolism] Ottolander GJ den, et al.
Ned Tijdschr Geneeskd 114:2167-9, 26 Dec 70 (Dut)
[Current status of use of radioisotopes for the diagnosis and localization of tumors] Schoot JB van der.
Ned Tijdschr Geneeskd 114:1550-60, 12 Sep 70 (Dut)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Circulation of the cerebrospinal fluid and isotope cisternography] Noterman J.
Acta Chir Belg 68:342-50, 1969 (Fre)
[Pancreatic scintigraphy with electronic subtraction of the hepatic image] Prior C, et al.
Acta Chir Belg 68:351-6, 1969 (Fre)
[Scintigraphic study in renal transplants] Verhas M.
Acta Chir Belg 69:806-20, Oct 70 (Fre)
[Clinical applications of indium 113m] Radermecker R, et al. Acta Clin Belg 25:257-87, 1970 (Fre)
[Preparation and clinical use of 99mTc-technetium sulfur colloid for hepatic scintigraphy] Becquevort PA. Acta Gastroenterol Belg 32:829-39, Nov 69 (Fre)
[Value and limitations of scintigraphy of the pancreas] Blanquet P, et al.
Acta Gastroenterol Belg 33:409-21, Apr-May 70 (Fre)
[Diagnostic value of hepatic scintigraphy] Drèze C.
Acta Gastroenterol Belg 32:795-828, Nov 69 (Fre)
[Scintigraphy and hepatic function test with colloidal Au-198] Frère AG, et al.
Acta Gastroenterol Belg 32:846-69, Nov 69 (Fre)
[Comparison of scintigraphy with the rectal radioactive iodine test in hepatic pathology] Lacrès R, et al.
Acta Gastroenterol Belg 32:840-5, Nov 69 (Fre)
[Selenomethionine, scintigraphy in acute and chronic pancreatitis] Leger L, et al.
Acta Gastroenterol Belg 34:159-68, Jan 71 (Fre)
[Indications of isotopic cisternography and ventriculography. 21 positive examinations] Noterman J.
Acta Neurol Belg 70:532-41, Sep-Oct 70 (Fre)
[Scintigraphy in pediatrics] Piepsz A.
Acta Paediatr Belg 24:385-400, 1970 (Fre)
[Attempt at interpreting the pulmonary scintigraphic picture in black and white] Payfa M, et al.
Acta Tuberc Pneumol Belg 60:27-56, Jan-Feb 69 (Fre)
[Renal scanning or renal gammagraphy] Brenez J.
Acta Urol Belg 36:26-44, Jan 68 (Fre)
[Possibilities and limitations of exploration by radio-isotopes in urologic diagnosis] Burghele T, et al.
Acta Urol Belg 36:5-25, Jan 68 (Fre)
[Scintigraphic study of agenesis, ectopy and fusion of the kidneys] Picatoste Patiño J.
Acta Urol Belg 36:79-91, Jan 68 (Fre)
[Value of renal uptake of mercury bichloride in urologic pathology] Verhas MJ, et al.
Acta Urol Belg 38:414-24, 1970 (Fre)
[Pulmonary scintigraphy in cancer of the lung. Its value for surgical indications] Dor V, et al.
Ann Chir Thorac Cardiovasc 7:489-98, Apr 68 (Fre)
[Pulmonary scintigraphy with mercury] Monod O, et al.
Ann Chir Thorac Cardiovasc 7:499-500, Apr 68 (Fre)
[Demonstration of lymph nodes for lymphatic drainage of the thyroid by the scintillation camera after intrathyroidal injection of a microcolloid of 198 Au. Preliminary communication] Chamla-Soumenkoff J, et al.
Ann Endocrinol (Paris) 32:203-9, Jan-Feb 71 (Fre)
[Comparison of technetium 99m and iodine 131 in thyroid scanning] Massin JP, et al.
Ann Endocrinol (Paris) 31:962-8, Sep-Oct 70 (Fre)
[Effects of TSH on some secretory thyroid nodules] Vague J, et al.
Ann Endocrinol (Paris) 31:666-80, Jul-Aug 70 (Fre)
[Value of placental scanning and Doppler ultrasonography in obstetrics] Pianiol T, et al.
Ann Radiol (Paris) 13:605-17, 1970 (Fre)
[Place of isotope studies as compared with other urological explorations in current practice] Desgrez JP. Ann Urol (Paris) 4:231-9, Dec 70 (Fre)
[Evaluation after 2 years of pancreatic scintigraphy. 208 examinations carried out on 200 patients] Quinton A, et al.
Arch Fr Mal App Dig 59:675-86, Oct-Nov 70 (Fre)
[[Data provided by hepatic cartography in cirrhoses] Vachon A, et al.
Arch Fr Mal App Dig 57:843-5, Oct 68 (Fre)
[Cerebral scintigraphy with technetium 99m in children. Apropos of 200 cases] Kaiffer M, et al.
Arch Fr Pediatr 28:487-503, May 71 (Fre)
[Use of a new iodated vector (labelled iodoquine) in the diagnosis of nevocarcinoma] Blanquet P, et al.
Bord Med 4:719-20 passim, Mar 71 (Fre)
[Cisternography. Contribution to hydrocephalus diagnosis] Julien MJ. Bord Med 3:2441-2, Oct 70 (Fre)
[A new radio-active trace for malignant melanoma. Therapeutic applications] Reboul J, et al.
Bord Med 3:2881 passim, Dec 70 (Fre)
[Radioisotope technics and the scintillation camera in pulmonary and gastro-enterologic surgery] Decostre P, et al. Brux Med 51:11-6, Jan 71 (Fre)
[Importance of cerebral scintiscanning in neurosurgical diagnosis] Granieri U, et al.
Brux Med 48:661-4, Oct 68 (Fre)
[Our experience with isotopic delineation of the placenta] Desfontaines M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:293-7, Jun-Aug 69 (Fre)
[Placental localization by a new isotope: indium 113-pH4 gelatin] Pianiol T, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:373-4, Jun-Aug 70 (Fre)
[Comparative study of placental localization by scintigraphy and acoustic method (ultrasonics)] Sudan JP, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:304-5, Jun-Aug 70 (Fre)
[How, when and why of scintigraphy during hepatic amebiasis?] Ducloux JM, et al.
Bull Soc Med Afr Noire Lang Fr 14:219-25, 1969 (Fre)
[New applications of isotopes in ophthalmologic diagnosis] Verin P, et al.
Bull Soc Ophtalmol Fr 70:640-8, May-Jun 70 (Fre)
[Scintigraphy in osteosarcoma] Guérin RA.
Chirurgie 96:50-2, 1970 (Fre)
[Marking a parathyroid adenoma by isotope detection and elective staining] Leger L, et al.
Chirurgie 97:425-30, May-Jun 71 (Fre)
[Study of the diabetic liver with the help of nuclear medicine] Guillamon Alcantara A.
Diabete 18:159-63, Jul-Sep 70 (Fre)
[Renal scintigraphy in diagnosis of kidney disease in pregnancy] Manasia M, et al.
Gynecol Obstet (Paris) 68:99-105, Jan-Mar 69 (Fre)
[Placental scintigraphy using indium 113. Gelatin pH 4] Pianiol T, et al.
Gynecol Obstet (Paris) 69:351-2, Aug-Oct 70 (Fre)
[Relative diagnostic value of radiologic and isotopic methods associated with cystometry in the detection of vesico-uretero-renal reflux] Collard M, et al.
J Belge Radiol 52:327-34, Nov-Dec 69 (Fre)
[Current limits and value of brain scanning in neurosurgical diagnosis] Gonsette R, et al.
J Belge Radiol 53:119-31, Mar-Apr 70 (Fre)
[Utilization of the scintillation camera in scintigraphy with mercury 197] Bernadou M, et al.
J Fr Med Chir Thorac 25:273-8, Apr 71 (Fre)
[Pulmonary scintigraphies with 197 HgCl 2 . Critical study of positive results] Bianchon P.
J Fr Med Chir Thorac 25:311-3, Apr 71 (Fre)
[Use of a scintillation camera for scintigraphy with mercury bichloride 197 of lesions of the right lung base] Debaud B.
J Fr Med Chir Thorac 25:281-6, Apr 71 (Fre)
[Problems of detection and collimation in pulmonary isotopic exploration] Freour P, et al.
J Fr Med Chir Thorac 24:691-700, Sep-Oct 70 (Fre)
[Place of scintigraphy with mercury bichloride] Gest J.
J Fr Med Chir Thorac 25:265-8, Apr 71 (Fre)
[Diagnosis of pulmonary embolisms with radioisotope scanning, using radioactive iodine] Kateb E, et al.
J Fr Med Chir Thorac 22:483-94, Jul-Aug 68 (Fre)
[Pulmonary scintigraphy with HgCl-2 197 (initial impressions apropos 100 cases)] Lamy P, et al.
J Fr Med Chir Thorac 23:117-27, Feb-Mar 69 (Fre)
[Value and limitations of pulmonary scintigraphy using albumin macroaggregates labeled with iodine 131] Lamy P, et al.
J Fr Med Chir Thorac 24:707-14, Sep-Oct 70 (Fre)
[Indications and limits of pulmonary scintigraphy with radioactive mercury] Lamy P, et al.
J Fr Med Chir Thorac 25:299-304, Apr 71 (Fre)
[Pulmonary scintigraphy with Cl 2 Hg 197 (general statistics)] Lamy P, et al.
J Fr Med Chir Thorac 25:305-10, Apr 71 (Fre)
[Pulmonary scintigraphies with 197 Hg Cl 2] Monod O.
J Fr Med Chir Thorac 25:257-64, Apr 71 (Fre)
[Clinical use of pulmonary scintigraphy with mercury bichloride] Pianiol T, et al.
J Fr Med Chir Thorac 25:287-98, Apr 71 (Fre)
[Technical considerations on scintigraphies with radioactive mercury 197] Raynaud C.
J Fr Med Chir Thorac 25:269-71, Apr 71 (Fre)
[Role of the collimator] Valeyre J.
J Fr Med Chir Thorac 25:279-80, Apr 71 (Fre)
[Value and comparison of scintigraphic and angiographic methods in liver abscess] Amiel M, et al.
J Radiol Electrol Med Nucl 51:690-4, Nov 70 (Fre)
[The radioisotopic image as compared to the radiographic image in neuroradiology] Ancri D, et al.
J Radiol Electrol Med Nucl 51:52-4, Jan-Feb 70 (Fre)
[Value of combined examination in pancreatic exploration: arteriography and pancreactic scintigraphy] Dubarry JJ, et al.
J Radiol Electrol Med Nucl 50:703-5, Oct 69 (Fre)
[Pancreatic scintigraphy] Gros C, et al.
J Radiol Electrol Med Nucl 49:838-41, Nov 68 (Fre)
[Usefulness of scintillations camera as "anthropogammameter" in the study of thyroid cancer] Hoefer R, et al.
J Radiol Electrol Med Nucl 51:671-3, Nov 70 (Fre)
[Cardiac scintigraphy] Jacob A, et al.
J Radiol Electrol Med Nucl 51:255-8, May 70 (Fre)
[Lacunar image of the liver in Hodgkin's disease] Juillard G, et al.
J Radiol Electrol Med Nucl 51:176-7, Mar-Apr 70 (Fre)
[Scintigraphic and radiologic comparisons after radiotherapy of intrathoracic tumors] Karparov M, et al.
J Radiol Electrol Med Nucl 52:167-72, Mar-Apr 71 (Fre)
[Results of attempts of esophageal scintigraphy] Lahneche BE, et al.
J Radiol Electrol Med Nucl 51:659-64, Nov 70 (Fre)
[Value of scintigraphy in diagnosis of liver hydatid cysts] Lozano Mantecon R, et al.
J Radiol Electrol Med Nucl 51:169-71, Mar-Apr 70 (Fre)
[Technical considerations on pulmonary scintigraphy with albumin macroaggregates labeled with iodine-131 (400 cases)] Methlin G, et al.
J Radiol Electrol Med Nucl 49:799-805, Nov 68 (Fre)
[Scintigraphic exploration] Meyniel G, et al.
J Radiol Electrol Med Nucl 50:587-8, Aug-Sep 69 (Fre)
[Pulmonary scintigraphy (radioclinical and angiographic comparison)] Miech G, et al.
J Radiol Electrol Med Nucl 49:842-4, Nov 68 (Fre)
[Myeloscintigraphy (critical and comparative review of its results)] Oberson R.
J Radiol Electrol Med Nucl 51:549-56, Oct 70 (23 ref.) (Fre)
[Diagnosis and treatment of various acute and subacute forms of thyroiditis with the aid of radioactive iodine] Ouchév I, et al.
J Radiol Electrol Med Nucl 50:143-4, Mar-Apr 69 (Fre)
[Pulmonary scintigraphy in intrathoracic tumors] Robillard J, et al.
J Radiol Electrol Med Nucl 51:299-301, May 70 (Fre)
[Renal and cerebral scintigraphy with the aid of a technetium 99 M-iron-ascorbic acid complex] Robillard J, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:385-8, May 69 (Fre)
[Lymphatic scintigraphy of certain thoracic lymph node groups as a diagnostic method] Sawas-Dimopoulou C, et al.
J Radiol Electrol Med Nucl 52:253-64, May 71 (Fre)
[Value of strontium 87m scintigraphy in osseous neoplastic localizations] Spithakis R.
J Radiol Electrol Med Nucl 51:680-2, Nov 70 (Fre)
[Experimental study of iodine-131 labeled benzimidazole exploration of gastric disorders: medical application possibilities] Tyortyalian C, et al.
J Radiol Electrol Med Nucl 49:878-83, Nov 68 (Fre)
[Radio-strontium and bone metastases: initial clinical impressions] Vigne J, et al.
J Radiol Electrol Med Nucl 50:918-9, Dec 69 (Fre)
[Renal scintigraphy and fixation of radioactive mercury in urologic diseases in children] Cendron J, et al.
J Urol Nephrol (Paris) 76:651-61, Jul-Aug 70 (Fre)
[Isotope scanning of the liver] Swyngedauw J.
Lille Med 16:121-9, 1971 (Fre)
[Pancreatic scintigraphy] La Calle JP.
Lyon Chir 65:271-6, Mar-Apr 69 (Fre)
[Panorama of hyperthyroidism. II. The biological syndrome. C. Radioisotope scanning] Brière J.
Lyon Med 18:Suppl:41-4, 1971 (Fre)
[Pulmonary scintigram] Chenebault J.
Maroc Med 50:695-700, Dec 70 (Fre)
[Diagnosis of malignant thyroid diseases with the aid of puncture-biopsy and 1311 scintigraphy] Soumar J, et al. Maroc Med 546:313-8, May 71 (Fre)
[Current status of bone radioisotope scanning] Sicard A, et al. Mem Acad Chir (Paris) 94:767-74, 1968 (Fre)
[Contribution of the double-labelling technic to gamma-encephalographic diagnosis] Askienazy S, et al. Neurochirurgie 16:319-28, Jul-Aug 70 (Fre)
[Neohydrin Hg 203 and Technetium 99m in the diagnosis of intracranial expansive processes] Frigeni G, et al. Neurochirurgie 16:438-46, Sep-Oct 70 (Fre)
[Value of scintigraphy in the diagnosis of cranio-cerebral injuries] Migliore A, et al.
Neurochirurgie 16:447-53, Sep-Oct 70 (Fre)
[Determination of fistula location in rhinorrhea of the anterior floor. Radioisotope method and peroperative technic] Philippon J, et al.
Neurochirurgie 16:599-603, Dec 70 (Fre)
[Intracranial exploration using Technetium 99. Preliminary results] Robert J, et al.
Neurochirurgie 15:379-88, Sep-Oct 69 (Fre)
[Use of the scanning camera for the quantitative study of pulmonary perfusion] Yernault JC, et al.
Poumon Coeur 26:791-8, 1970 (Fre)
[Diagnosis of hepatic metastases by means of radioisotopes] Delaloye B.
Praxis 59:440-2, 24 Mar 70 (Fre)
[Isotopic localization of the placenta] Huet BJ.
Presse Med 78:1844, 10 Oct 70 (Fre)
[Value of radioisotope cisternography in the diagnosis of tumors of the cerebellopontine angle] Mamo L, et al. Presse Med 79:627-30, 20 Mar 71 (Fre)
[Radiologic and isotope explorations in attempting to localize a parathyroid adenoma] Lemaitre G, et al. Rein Foie 13:169-85, 1970 (Fre)
[Original method of diagnosis of liver neoplasms: radioisotope scanning with selenomethionine] Caroli J, et al. Rev Med Chir Mal Foie 46:69-74, 1971 (Fre)
[Cerebral angioscintigraphy with 99m-Technetium] Akerman M, et al.
Rev Neurol (Paris) 122:343-55, May 70 (Fre)
[Cases of multiple sclerosis with gammagraphic pseudotumoral signs] Bady B, et al.
Rev Otoneuroophtalmol 41:369-73, Nov 69 (Fre)
[Radioisotope cisternography in children] Oberson R.
Rev Otoneuroophtalmol 42:369-73, Nov 70 (Fre)
[The value of arthroscintigraphy with intravenous technetium 99m Tc in the study of inflammatory processes] Delbarre F, et al.
Rev Rhum Mal Osteoartic 38:91-8, Feb 71 (Fre)
[Scintigraphic functional exploration of the salivary glands] Janssens A.
Rev Stomatol Chir Maxillofac 72:326-9, Mar 71 (Fre)
[Scintigraphy of the salivary glands with technetium

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

99] Vergnes R, et al.
Rev Stomatol Chir Maxillofac 72:351-6, Mar 71 (Fre)
[Radioisotope cisternography in a child] Oberson R.
Schweiz Med Wochenschr 100:867-74, 15 May 70 (Fre)
[Quantitative scintigraphy as a new examination in current pneumologic practice] Petit MA, et al.
Tunis Med 48:325-9, Sep-Oct 70 (Fre)
[Diagnosis of destructive lung emphysema by perfusion scintigraphy] Ernst H, et al.
Acta Allergol (Kbh) 25:404-22, Dec 70 (Ger)
[Diagnostic advantages of combining renography, clearance and scintigraphy] Zita G.
Acta Urol Belg 36:45-53, Jan 68 (Ger)
[Placenta localization using Technetium-99m] Scholtes G. Arch Gynaekol 211:256-7, 4 Jun 71 (Ger)
[Results of the use of Sr-85 isotopes from the viewpoint of bone pathology] Glauber A, et al.
Beitr Orthop Traumatol 17:51-2, Jan 70 (Ger)
[Scintigraphy of the spleen using 113m indium labelled erythrocytes] Imhof H, et al.
Biut 21:162-7, Sep 70 (Ger)
[Scintigraphy of tumors in the head and neck area] Hör G, et al. DDZ 25:204-6 passim, Jun 71 (Ger)
[Possibilities and limits of abdominal lymphoscintigraphy in comparison with lymphography for the evaluation of malignant lymphoblastases] Deckart H, et al.
Dtsch Gesundheitsw 26:391-7, 25 Feb 71 (Ger)
[Expansion of stomach diagnostics using nuclear medicine technics] Fridrich R, et al.
Dtsch Med Wochenschr 95:2261-5, 6 Nov 70 (Ger)
[Localization of the placenta] Klink R, et al.
Dtsch Med Wochenschr 96:1473-5, 10 Sep 71 (Ger)
[Significance of liver scintigraphy in course studies on the chronic liver diseases] Nuic M, et al.
Dtsch Med Wochenschr 96:1297-301, 6 Aug 71 (Ger)
[Color scintigraphy using 99m technetium-pertechnate and 113m indium-EDTA for the avoidance of diagnostic errors in epidural and subdural hematomas] Ostertag C, et al.
Dtsch Med Wochenschr 96:1052-4, 11 Jun 71 (Ger)
[Diagnosis of liver metastases. Comparison of echography, scintigraphy, laparoscopy and liver biopsy] Berndt H, et al.
Dtsch Z Verdau Stoffwechselkr 30:139-44, 1970 (Ger)
[Scintigraphic diagnosis and laboratory values in diffuse liver parenchyma diseases] Deininger HK, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:108-19, Jan 71 (Ger)
[Angiographic and angioscintigraphic comparison in the so-called cerebral vascular process] Deisenhammer E, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:59-67, Jul 71 (Ger)
[Sacroiliac 85 Sr profilography in ankylosing spondylitis] Dihlmann W, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:42-53, Jul 71 (Ger)
[Clinical experiences with an improved method in color line scintigraphy] Ehrlich W, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:644-9, May 71 (Ger)
[Computer-scintigraphy of pulmonary circulation. I. Quantitative results on the regulation of pulmonary circulation] Felix R, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:631-44, May 71 (Ger)
[Animal experimental studies on the scintigraphic diagnosis of recent thrombosis] Fernoolz HJ, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:487-93, Oct 70 (Ger)
[Differential diagnosis of perfusion disorders with the aid of combined pulmonary scintigraphy, especially in the differentiation of pulmonary embolism] Fridrich R, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:219-31, Aug 70 (Ger)
[Quantitative evaluation of thyroid scans using a computer] Habermehl A, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:1-13, Jul 71 (Ger)
[Neoplasm localization using 67 Ga] Heidenreich P, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:14-27, Jul 71 (Ger)
[Brain scintigraphy and diagnosis of tumor type. Experience with RIHSA scintigraphy] Heilmann HP, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:664-75, May 70 (Ger)
[Clinical experiences with 99m technetium-iron complex for renal scintigraphy--a comparison with mercury preparations] Hennig K, et al.
Fortschr Geb Roentgenstr Nuklearmed 109:366-74, Sep 68 (Ger)
[Studies on thromboplastin activity, fibrinolysis and uptake of radioactive iodine-labeled fibrinogen in various experimental tumors] Hilgard P, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:96-100, Jul 70 (Ger)
[Age dependency of the hippuran nephrogram] Hoppe G, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:676-9, May 70 (Ger)
[Results of lung perfusion scintigraphy using 113mIn-Fe-hydroxide macrocolloid in healthy subjects and in pulmonary hypertension--with case contributions of congenital and acquired heart defects] Hör G, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:619-31, May 71 (Ger)
[Quantitative analysis of lung perfusion following bronchography] Hünermann B, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:34-7, Jul 71 (Ger)
[Renal computer scintigraphy] Imhof H, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:655-64, May 70 (Ger)
[Probles in the positive cintigraphic diagnosis of abdomina tumors with 75Se-selenit] Iwig J, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:89-96, Jul 70 (Ger)
[Scintigraphy of inflammation using silver isotopes] Jahns E, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:38-41, Jul 71 (Ger)
[Positive scintigraphic representation of single bone fibrous dysplasia of the frontal bone] Kölling K.
Fortschr Geb Roentgenstr Nuklearmed 113:216-8, Aug 70 (Ger)
[Perfusion scintigraphy of the lung in primary vascular pulmonary hypertension] Koppenhagen K, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:27-34, Jul 71 (Ger)
[Comparison of the characteristics of 99m-Tc-pertechnetate and 113m-In-EDTA in brain scintigraphy] Kuba J, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:806-13, Jun 70 (Ger)
[Blood pool scintigraphy with short-lived radioisotopes] Langhammer H, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:462-9, Oct 70 (Ger)
[Results of scintigraphic studies of parasternal lymph nodes using 198 Au in normal persons] Meyer-Burg J, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:54-8, Jul 71 (Ger)
[Sequential scintigraphy and angiography in the diagnosis of rejection crises in experimental kidney transplantations] Müller-Beissenhirtz P, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:148-57, Aug 70 (Ger)
[Diagnostic possibilities of renal scintigraphy] Nuic M, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:32-42, Jan 71 (Ger)
[The function of the lymph node barrier in humans. Studies with Cr51-labeled erythrocytes] Peters PE.
Fortschr Geb Roentgenstr Nuklearmed 113:83-8, Jul 70 (Ger)
[Brain scanning in cerebro-vascular diseases (with special regard to rapid sequence scanning)] Petersen F, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:445-57, Apr 71 (Ger)
[Scintigraphic demonstration of pathological processes in the spinal canal after intravenous application of radioactive test substances. (i. v. myeloscintigraphy)] Piepgras U, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:329-36, Sep 70 (Ger)
[Value of combined angiography and scintigraphy for the diagnosis of thyroid diseases] Schmidt H, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:469-78, Apr 70 (Ger)
[Indirect, parasternal lymphatic scintigraphy in breast carcinoma. (analysis of 62 cases)] Seifert J, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:457-62, Oct 70 (Ger)
[Value of ventriculoscintigraphy in the diagnosis of brain neoplasms in early childhood] Sunder-Plassmann M, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:67-73, Jul 71 (Ger)
[Angiographic and scintigraphic findings in a benign cystic cholangioma of the liver] Thiemann KJ.
Fortschr Geb Roentgenstr Nuklearmed 112:831-2, Jun 70 (Ger)
[Scintigraphic findings in focal immunothyroiditis] Uthgenannt H, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:557-63, Apr 71 (Ger)
[Angiographic-scintigraphic demonstration of an arteria cerebri posterior occlusion] Vogelsang H, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:564-6, Apr 71 (Ger)
[Radiation dosage in renal scanning] Wolf R, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:389-96, Mar 70 (Ger)
[Comparative studies on placenta localization using thermography and isotopes] Rummel W, et al.
Geburtshilfe Frauenheilkd 31:147-9, Feb 71 (Ger)
[Diagnosis of bone metastasis of prostatic carcinoma with strontium 87m and Anger camera] Aberle B, et al.
Helv Chir Acta 37:534-7, Aug 70 (Ger)
[Radioisotopes in neurologic-neurosurgical diagnosis] Mundinger F, et al.
Hippokrates 42:135-56, Jun 71 (59 ref.) (Ger)
[Nuclear medical diagnosis of thyroid gland diseases in childhood] Apitz H.
Kinderaerztl Prax 39:105-13, Mar 71 (Ger)
[Practical significance of liver and spleen scintigraphy in abdominal surgery] Mappes G, et al.
Langenbecks Arch Chir 322:153-4, 1968 (Ger)
[Radioisotope scanning in the diagnosis of abdominal organs] Pabst HW, et al.
Langenbecks Arch Chir 322:139-49, 1968 (Ger)
[Practical significance of scintigraphy in the differential diagnosis of upper abdominal neoplasms] Riccabona G.
Langenbecks Arch Chir 322:154-7, 1968 (Ger)
[Use of the Anger-camera for studies on kidney function following transplantation] Roehl L, et al.
Langenbecks Arch Chir 322:548-51, 1968 (Ger)
[Diagnosis of liver neoplasms using radioisotope scanning and electronic data processing] Winkler C, et al. Langenbecks Arch Chir 322:151-3, 1968 (Ger)
[Abdominal lymph node scintigraphy in lymphoreticular systemic diseases] Eggerth G, et al.
Med Klin 66:781-4, 21 May 71 (Ger)
[Perfusion scanning of the lung. Indications and diagnostic value] Novak D.
Med Klin 65:978-84, 15 May 70 (Ger)
[The quantitative evaluation of lung scintigrams] Schröder H. Med Klin 65:257-9, 6 Feb 70 (Ger)
[Bone scintigraphy with a multidetectorscanner] Venohr H, et al. Med Welt 5:177-83, 30 Jan 71 (Ger)
[Lung scintigraphy at infancy and childhood] Fendel H, et al. Monatsschr Kinderheilkd 118:601-5, Nov 70 (Ger)
[Indication range of salivary gland scintigraphy] Münzel M.
Monatsschr Ohrenheilkd Laryngorhinol 104:247-50, 1970 (Ger)
[Brain scintigraphy in stroke] Fueger GF, et al.
Munch Med Wochenschr 113:968-9, 18 Jun 71 (Ger)
[Radioactive gallium--67Ga-in nuclearmedical tumor diagnosis] Grebe SF, et al.
Munch Med Wochenschr 113:238-41, 12 Feb 71 (Ger)
[Renal diagnosis using nuclear medicine methods] Müller H, et al.
Munch Med Wochenschr 113:87-91, 15 Jan 71 (Ger)
[Chronic pyelonephritis in scintigraphy and radionephrography] Müller H, et al.
Munch Med Wochenschr 113:645-52, 23 Apr 71 (Ger)
[Contribution to the interpretation of liver scintigraphic finding using 99mTc-sulfur-colloid] Zita G, et al.
Munch Med Wochenschr 113:581-2, 9 Apr 71 (Ger)
[The scintigraphic picture of hypertrophic osteoarthropathy] Bieler E, et al.
Nucl Med (Stuttg) 10:196-200, 1971 (Ger)
[Comparison of scintigraphy and angiography in the diagnosis of intracranial tumors] Kuba J, et al.
Nucl Med (Stuttg) 10:105-14, 1971 (Ger)
[Scintigraphic assessment of disease activity in osteodystrophia deformans (Paget). Comparison of radiographic, biochemical and scintigraphic examinations in 19 patients] Umek H, et al.
Nucl Med (Stuttg) 10:115-21, 1971 (Ger)
[Possibilities and limitations of lung scintigraphy] Felix R, et al. Praxis 60:690-7, 25 May 71 (Ger)
[Diagnostic value of the angiogram and gamma encephalogram in astrocytoma] Koch RD, et al.
Psychiatr Neurol Med Psychol (Leipz) 22:47-9, Feb 70 (Ger)
[Use of indirect isotope lymphography with colloidal Au198 in the diagnosis of lesions of pelvic and retroperitoneal lymph nodes in patients with lymphogranulomatosis] Beiugina ZT, et al.
Radiobiol Radiother (Berl) 11:665-70, 1970 (Ger)
[Functional scintigraphy of the liver with I-131-bengal rose or I-131-bromsulphalein in the differential diagnosis of icterus] Deckart H, et al.
Radiobiol Radiother (Berl) 11:527-40, 1970 (Ger)
[Localization of the placenta by In113m. A comparison with other radiodrugs] Deckart H, et al.
Radiobiol Radiother (Berl) 11:553-8, 1970 (Ger)
[Gammacencephalographic findings in cerebral vascular processes] Koch RD, et al.
Radiobiol Radiother (Berl) 11:167-70, 1970 (Ger)
[Osteoscintigraphy by short-lived radionuclides and positron camera] Lorenz WJ, et al.
Radiobiol Radiother (Berl) 11:171-7, 1970 (Ger)
[Placenta scintigraphy with In 113m-HSA and Ga 68-HSA] Lorenz WJ, et al.
Radiobiol Radiother (Berl) 11:195-9, 1970 (Ger)
[Efficiency limits and sources of error in the indirect isotope lymphography with radioactive gold (Au198)] Michailov V, et al.
Radiobiol Radiother (Berl) 11:685-93, 1970 (Ger)
[Scintigraphy of the lymph nodes in the diagnosis of malignant lymphoreticular tumors] Michailow W, et al. Radiobiol Radiother (Berl) 11:449-56, 1970 (Ger)
[Efficiency limits of the indirect isotope and direct roentgen contrast lymphography of the abdominal lymphatic system] Mlatschkov C, et al.
Radiobiol Radiother (Berl) 11:675-83, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Tc99m-gelatin--a radiodrug for liver scintigraphy] Pollähne W, et al.
Radiobiol Radiother (Berl) 11:541-5, 1970 (Ger)
[Resolving power and image properties of the 3" and 5" crystal scintiscanner "Selo DS-2"] Poppitz R, et al.
Radiobiol Radiother (Berl) 11:335-40, 1970 (Ger)
[In113m in isotope localization technic] Schwartz KD, et al. Radiobiol Radiother (Berl) 11:309-13, 1970 (Ger)
[Defects of accumulation of thyroid scintigram and demonstration of autoantibodies] Sievers P, et al.
Radiobiol Radiother (Berl) 11:299-303, 1970 (Ger)
[Tc 99m-albumin for scintigraphy of the placenta. A new tagging procedure and its clinical trial] Hennig K, et al. Radiol Diagn (Berl) 10:697-703, 1969 (Ger)
[Supplementary nuclear medical studies on radiographic diagnosis. Demonstration of iodine containing tissue] Grebe SF.
Radiologe 10:403-7, Oct 70 (Ger)
[The importance of kidney scintigraphy in the radiologic study of kidney tuberculosis] Schmidt KJ, et al. Radiologe 10:412-8, Oct 70 (Ger)
[Scintigraphic reproduction of the normal pancreas] Creutzig H, et al.
Strahlentherapie 141:587-90, May 71 (Ger)
[Lymphoscintigraphy, gamma venography and histological findings in radical operation] Grönroos M, et al. Strahlentherapie 141:346-50, 1971 (Ger)
[Sequence scintigraphy of the kidney with 131-I-o-iodohippuric acid and 113mIn-EDTA] Haubold U, et al. Strahlentherapie 140:89-96, Jul 70 (Ger)
[Simultaneous double-isotope scintigraphy using the Anger camera for the demonstration of perfused and air-containing lung tissue] Schenck P, et al.
Strahlentherapie 140:97-104, Jul 70 (Ger)
[Direct radiographic examination of the pancreas] Bessler W, et al. Ther Umsch 27:203-9, Apr 70 (Ger)
[Scintigraphic diagnosis in bronchial carcinomas] Grebe SF. Thoraxchirurgie 19:263-6, Aug 71 (Ger)
[Supervision of urinary tuberculosis. Kidney scanning as a useful routine investigation method in diagnosis and supervision] Blaja C, et al.
Urol Int 25:297-309, 1970 (Ger)
[Comparative evaluation of serum acid phosphatases, conventional x-ray diagnosis, bone biopsy and Sr 85-bone scanning in the diagnosis of osseous metastases in cancer of the prostate] Graber P, et al.
Urologe 10:60-2, Mar 71 (Ger)
[Value of combined splenic scintigraphy and function test in the evaluation of therapeutic measures in hematologic-oncologic diseases] Fischer J, et al.
Verh Dtsch Ges Inn Med 75:507-10, 1969 (Ger)
[Combined splenic scintigraphy and function test: a new differential diagnostic criterion in chronic myeloid leukemia and myelofibrosis] Roux A, et al.
Verh Dtsch Ges Inn Med 75:510-3, 1969 (Ger)
[Radioisotope surgery in gynecology] Gitsch E.
Wien Klin Wochenschr 82:727-30, 18 Oct 70 (Ger)
[1st results of nuclear medical respiratory function diagnosis] Riccabona G, et al.
Wien Klin Wochenschr 82:765-9, 18 Oct 70 (Ger)
[Scintigraphic differentiation between chronic subdural hematomas and intracranial cysts in children and adolescents] Deisenhammer E, et al.
Wien Med Wochenschr 120:837-40, 21 Nov 70 (Ger)
[The significance of brain scintigraphy for the diagnosis of brain tumors in childhood] Koos W, et al.
Wien Med Wochenschr 120:866-71, 21 Nov 70 (Ger)
[Angioscintigraphy and shunt volume determination in a.-v. hemangiomas] Mostbeck A, et al.
Wien Med Wochenschr 120:872-5, 21 Nov 70 (Ger)
[Nuclear medical possibilities in the diagnosis and localization of malignant tumors] Pabst HW.
Wien Med Wochenschr 120:788-92, 7 Nov 70 (Ger)
[Utilization of the scintigram of the thyroid gland: "Curvescan"] Seyss R.
Wien Med Wochenschr 121:339-43, 17 Apr 71 (Ger)
[Renal scintillation counting in rabbits, guinea pigs, rats and mice] Kment A, et al.
Wien Tieraerztl Monatsschr 57:20-4, Jan 70 (Ger)
[Quantitative lung scintigraphy in comparison to bronchospirography in the interpretation of relative lung blood supply distribution] Anastasatu C, et al.
Z Erkr Atmungsorgane 132:303-14, 1970 (Ger)
[Value of function scintigraphy in the hepatology with special reference to the differential diagnosis of jaundice] Deckart H, et al.
Z Gesamte Inn Med 26:Suppl:129-31, 1 Jun 71 (Ger)
[Experiences with lung scintigraphy in pulmonary diseases] Kochan E, et al.
Z Gesamte Inn Med 24:Suppl:174-6, 1 Jan 69 (Ger)
[Brain scintigraphy with the positron emitter 18F] Sinn H, et al. Z Krebsforsch 74:349-54, 1970 (Ger)
[Lung scanning in primary vascular chronic cor pulmonale] Luther M, et al.
Z Kreislaufforsch 59:1061-73, Dec 70 (Ger)
[Scintigraphic visualization of extracranial carotid thromboses with 113m -indium-fibrinogen] Paal G, et al. Z Neurol 199:272-82, 1971 (Ger)
[Strontium scintigraphy in the diagnosis of femur head necrosis] Morscher E.
Z Orthop 108:520-4, Nov 70 (Ger)
[Computerized scintigraphy] Csernay L, et al.
Orv Hetil 112:13-4, 3 Jan 71 (Hun)
[Spleen scintigraphy and function tests with Cr-51 labelled erythrocytes] Szöllösy G, et al.
Orv Hetil 112:1339-43, 6 Jun 71 (Hun)
[Myasthenia gravis. Value of thymus gland scintigraphy. (Clinical analysis of a case)] D'Amico D, et al. Acta Chir Ital 26:387-94, Sep-Oct 70 (Ita)
[In 113m DTPA brain scanning in the diagnosis of space occupying lesions] Biandino G, et al.
Acta Isot (Padova) 10:91-102, 15 Dec 69 (Ita)
[Ventilatory scintiscanning with colloid Au-198 aerosol] Biandino G, et al.
Acta Isot (Padova) 9:357-73, 30 Sep 69 (Ita)
[On the identification of "luxury" perfusion by means of cerebral scintigraphy with MAA-I-131] Bonanno N, et al. Acta Isot (Padova) 8:141-8, 30 Oct 68 (Ita)
[Cerebral scintigraphy with radiotechnetium (Tc99m)] Carteri A, et al.
Acta Isot (Padova) 7:341-53, 30 Dec 67 (Ita)
[Preliminary study of the use of Ga68-labeled compounds in section scintiscanning] Colombetti LG, et al. Acta Isot (Padova) 9:375-90, 30 Sep 69 (Ita)
[Clinical use of scintillation counters in the study of thyreopathies] Ferlin G, et al.
Acta Isot (Padova) 8:125-32, 30 Oct 68 (Ita)
[Skeletal scintigraphy with radiostrontium (Sr85) in Von Recklinghausen's disease] Ferlin G, et al.
Acta Isot (Padova) 8:113-23, 30 Oct 68 (Ita)
[Current status of radioisotope semiology of the kidney] Ferlin G, et al.
Acta Isot (Padova) 8:371-500, 15 Dec 68 (Ita)
[The scintillation camera in the diagnosis of cerebral neoplasms] Ferlin G, et al.
Acta Isot (Padova) 7:209-20, 30 Dec 67 (Ita)
[Radioisotopic and thermographic detection of bone metastases] Lovisatti L, et al.
Acta Isot (Padova) 10:65-75, 15 Dec 69 (Ita)
[Radioisotopic and thermographic findings in bone localizations of systemic diseases] Macchi C, et al.
Acta Isot (Padova) 10:77-90, 15 Dec 69 (Ita)
[Angiography and photographic radioisotope scanning] Marabini A, et al.
Acta Isot (Padova) 10:113-30, 15 Dec 69 (Ita)
[The pinhole scanning gamma-camera and Tc99m-pertechnectate in the study of the normal thyroid gland] Pavoni P, et al.
Acta Isot (Padova) 10:139-47, 15 Dec 69 (Ita)
[Scintigraphic aspects of renal neoplasms] Sanguineti M, et al. Acta Isot (Padova) 8:149-58, 30 Oct 68 (Ita)
[Progress in the semiology of liver diseases] Ziliotto D, et al. Acta Isot (Padova) 8:355-70, 15 Dec 68 (Ita)
[New possibilities in the radioisotope diagnosis of renovascular hypertension] Ziliotto D, et al.
Acta Isot (Padova) 8:325-39, 15 Dec 68 (Ita)
[The use of closed television circuits in the reproduction of scintiscanning images and of scintiphotographs with the scintillation camera] Ziliotto D, et al.
Acta Isot (Padova) 8:341-54, 15 Dec 68 (Ita)
[Scintigraphic picture of liver cirrhosis] Ziliotto D, et al. Acta Isot (Padova) 7:355-75, 30 Dec 67 (Ita)
[Functional and morphological study of the kidneys with the scintillation camera] Ziliotto D, et al.
Acta Isot (Padova) 7:235-52, 30 Dec 67 (Ita)
[Current trends in the diagnosis of liver abscess] Russo A, et al. Ann Ital Chir 45:1106-37, 1970 (Ita)
[Neoplasms the tail of the pancreas. Special diagnostic possibilities by means of new semeiologic methods] Tumino G. Ann Ital Chir 45:71-86, 1969 (Ita)
[Contribution of scintigraphy with Sr85 by means of the whole body scanner in the study of skeletal metastases from breast carcinoma] Monetti N, et al.
Ann Radiol Diagn (Bologna) 42:495-508, Sep 69 (Ita)
[Further contribution to the pre- and post-operative study of aortic coarctation by means of scintigraphy] Bondi S, et al.
Arch Chir Torac Cardiovasc 27:9-19, Jan-Mar 70 (Ita)
[Splenic scintigraphy using erythrocytes devitalized by mercury hydroxypropane and labelled with Hg 197 or Cr 51] Paravidino GF, et al.
Arch E Maragliano Patol Clin 25:459-66, Nov-Dec 69 (Ita)
[Scintigraphy in the differential diagnosis of cranial osteoma and calcified meningioma. Cervical adenolymphoscintigraphy] Di Lauro E, et al.
Arch Ital Laringol 76:317-20, Sep-Oct 68 (Ita)
[Scintigraphy in thyroid pathology] Di Lauro E, et al.
Arch Ital Laringol 76:303-15, Sep-Oct 68 (Ita)
[Angiopneumographic and scintigraphic findings in progressive pulmonary dystrophy] Carrath L, et al.
Arch Monaldi 25:127-40, Mar-Apr 70 (Ita)
[Semiotic valve of hepatic scanning in relation to laparobiopsy] Barbieri LL, et al.
Arch Patol Clin Med 44:187-227, 1967 (Ita)
[Relation between pulmonary scanning with MMAI 131 and respiratory function tests] Lanfranchi GA, et al.
Arch Patol Clin Med 44:253-70, 1967 (Ita)
[Radioisotopes in the diagnosis of skeleton neoplasms] Scoccianti P.
Arch Putti Chir Organi Mov 24:405-28, 1969 (Ita)
[Positive scintiscanning with mercury dichloride (Hg197-C2) in ORL pathology. Observations on 57 cases] Galetti G, et al.
Boll Mal Orecch Gola Naso 88:92-107, 1970 (Ita)
[Scintigraphy and dynamic study of the retrobulbar lymphatic system with colloidal radioactive gold (Au-198)] D'Addabbo A, et al.
Boll Soc Ital Biol Sper 45:1605-8, 31 Dec 69 (Ita)
[Rheographic (semiquantitative) hepatic flow measurements with infinite time constant as compared with the radioisotope method] Garbini GC, et al. Boll Soc Ital Cardiol 15:600-11, 1970 (Ita)
[Scintigraphic findings in various cardiopathies] Legnaioli M, et al.
Boll Soc Ital Cardiol 14:19-27, 1969 (Ita)
[Cardiac scintigraphy with Cs 131. Elaboration with closed circuit television (Chromo-Scan II) of myocardial infarct scintigrams] Legnaioli M, et al.
Cardiol Prat 21:111-3, Apr 70 (Ita)
[Angiography and angiocardiography with radioisotopes] Solinas P, et al.
Cardiol Prat 21:277-82, Aug 70 (Ita)
[On the association of thermographic, scintigraphic and sialographic study in the pathology of the salivary gland] Chiesa A, et al. Chir Ital 20:952-75, Oct 68 (Ita)
[On methodology in the radiological study of the salivary glands] Macchi C, et al.
Chir Ital 20:933-51, Oct 68 (Ita)
[Critical analysis of the indications of scintigraphy with MAA-I-131 in the diagnosis of pulmonary cancer] Ravasini R, et al. Chir Ital 20:751-860, Oct 68 (Ita)
[Scintigraphic aspect of renal tumors] De Rossi G, et al.
Chir Patol Sper 17:349-61, Oct 69 (Ita)
[Usefulness of radioisotope scanning in the detection and diagnosis of pancreatic tumors] Troncone L, et al.
Chir Patol Sper 17:539-54, Dec 69 (Ita)
[Scialo-scintigraphy in clinical diagnosis] De Campora E, et al.
Clin Otorinolaringoiatr 20:458-69, Nov-Dec 68 (Ita)
[Cesium-131 scintigraphy in ischemic cardiopathy] Patti A, et al.
Folia Cardiol (Milano) 28:171-85, Jul-Aug 69 (Ita)
[Pneumoscintigraphic findings in patients with silicosis and in welders with bronchopneumopathies] Salamone L.
Folia Med (Napoli) 52:697-709, Nov 69 (Ita)
[Possibility of the use of sulfur-colloid macroaggregates of of albumin labelled with radiotechnechnetium (99mTc-S + MAA) in lung scintiphotographic examination] Cabassa N, et al.
Fracastoro 63:101-7, Mar-Apr 70 (Ita)
[Synthesis of radiotechnetium labelled protein aggregates with lung tropism] Cabassa N, et al.
Fracastoro 63:93-100, Mar-Apr 70 (Ita)
[Scintiphotography with the gamma camera] Marabini A. Fracastoro 62:5-20, Jan-Feb 69 (Ita)
[Diagnosis of primary and metastatic liver neoplasms by means of radioisotope methods, based on 208 cases] Battistini G, et al. G Clin Med 51:463-87, Jun 70 (Ita)
[Relation between sulfobromophthalein Au-198 clearance and scintigraphic aspects in hepatopathies] Maduli S, et al. G Clin Med 51:180-256, Mar 70 (Ita)
[1 rare case of left mega-auricle studied by means of cardiac scintigraphy with In113m] Bottero A, et al.
G Ital Mal Torace 24:245-6 passim, Sep-Oct 69 (Ita)
[Use of scintigraphic methods in the characterization of Hodgkin's disease. 50 cases] Canossi GC, et al.
Haematologica 55:569-89, 1970 (Ita)
[Use of scintigraphic methods in the classification of Hodgkin's disease] Edoardo A.
Haematologica (Pavia) 55:525-7, 1970 (Ita)
[Myocardial clearance of Rb84 as an index of coronary blood flow. Description of a new method and early results in healthy and in myocardial and coronary sclerotic patients] Corsini GC, et al.
Minerva Cardioangiol 17:823-31, Nov 69 (Ita)
[Pancreatic scintiscanning with subtraction of the hepatic image] Prior C, et al.
Minerva Chir 26:1-11, 15 Jan 71 (Ita)
[Whole body scintigraphy. New findings in the study of bone metastases] Abbati A, et al.
Minerva Fisiconucl 14:79-87, Apr-Jun 70 (Ita)
[Angiography and scintiscanning in gynecologic neoplasms] Onnis A.
Minerva Ginecol 22:761-3, 31 Aug 70 (Ita)
[Location of the placenta with radioactive isotopes. Preliminary experiences with Tc99-labeled erythrocytes] Varagnolo C, et al.
Minerva Ginecol 22:477-9, 15 May 70 (Ita)
[Liver scintigraphy in Hodgkin's disease] Ascari E, et al. Minerva Med 61:5652-8, 8 Dec 70 (Ita)
[Liver scanning in Hodgkin's disease] Ascari E, et al.
Minerva Med 61:5652-8, 8 Dec 70 (Ita)
[Scintiscanning with rose bengal in patients with calculous cholecystitis] Cattaneo Godio R, et al.
Minerva Med 62:2131-6, 26 May 71 (Ita)
[Technical improvement in pancreatic scintiscanning] Chiarle S, et al.
Minerva Med 61:5159-68, 14 Nov 70 (Ita)
[Aspects of the use of a computer in scintiscanning diagnosis] De Rosis F, et al.
Minerva Med 61:5477-81, 1 Dec 70 (Ita)
[Radiological and scintigraphic observations in a case of congenital intramediastinal hepatic hernia] Di Maggio C, et al.
Minerva Med 61:4136-42, 22 Sep 70 (Ita)
[Modern methods of radiological studies in gastric pathology. Arteriography of the celiac tripod and scintiscanning with technetium pertechnetate] Lenarduzzi G. Minerva Med 61:3572-3, 29 Aug 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Lymphoproliferative diseases studied with lymphatic scintiscanning with colloidal Au 198] Rembado R, et al. Minerva Med 62:2957-61, 18 Aug 71 (Ita)
[Scintigraphy in early diagnosis of malignant tumors and their metastases]
Minerva Med 62:1494-5, 7 Apr 71 (Ita)
[Indium 113m in cerebral scintigraphy] Carteri A, et al. Minerva Neurochir 14:206-12, Apr-Sep 70 (Ita)
[Scintigraphy as contribution to the study of cerebro-vascular lesions with ischemic focus]
D'Amico P, et al.
Minerva Neurochir 13:158-65, 1969 (Ita)
[Elements of semeiological scintigraphy in ischemic cerebrovascular focal lesions] Masi R, et al.
Minerva Neurochir 15:18-21, 1971 (Ita)
[Advantages and limits in the use of technetium 99m as a tracer in cerebral scintigraphy in neurosurgery] Paoletti P. Minerva Neurochir 13:146-57, 1969 (Ita)
[Scintiscanning diagnosis of lesions in the posterior cranial fossa] Villani R.
Minerva Neurochir 14:17-30, 1970 (Ita)
[Scintiscanning of the thyroid with Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 23:501-6, 24 Mar 71 (Ita)
[Importance of hepato-splenic scintiscanning with Tc99m and In113m in pediatric pathology] Mussa GC, et al. Minerva Pediatr 22:919-32, 15 May 70 (Ita)
[Color scanning of the liver and the spleen with colloidal Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 21:895-907, 19 May 69 (Ita)
[Scintigraphy in the diagnosis of the central nervous system in pediatrics] Mussa GC, et al.
Minerva Pediatr 23:647-59, 15 Apr 71 (Ita)
[Combined hypotonic duodenography and scintigraphy for the study of the pancreas in children] Randaccio M, et al. Minerva Pediatr 23:1061-4, 16 Jun 71 (Ita)
[Importance of scintigraphy of the bone marrow in studies of skeletal metastases] Sannazzari GL, et al.
Minerva Radiol 15:187-93, Jul-Aug 70 (Ita)
[Rectal administration of Na I-131 as a screening test for liver metastases] Sannazzari GL, et al.
Minerva Radiol 14:35-40, Jan-Feb 69 (Ita)
[Scintigraphy with infusion of pertechnetate-Tc99m] Scopinaro G, et al.
Minerva Radiol 15:179-86, Jul-Aug 70 (Ita)
[Considerations on positive scintiscanning findings in Paget's disease] Scopinaro G, et al.
Minerva Radiol 15:1-4, Jan-Feb 70 (Ita)
[Selective pulmonary angioscintigraphy by means of catheterization of the bronchial artery] Beritelli F, et al. Nunt Radiol 34:1755-68, Dec 68 (Ita)
[Use of mercury-labelled chloromeridria in the scintigraphic diagnosis of malignant tumors of the lung] Bompiani C, et al.
Nunt Radiol 35:3-15, Jan 69 (Ita)
[Scintigraphy in the study of pathological forms of the kidney of mainly surgical interest] Bompiani C, et al.
Nunt Radiol 34:1443-55, Dec 68 (Ita)
[Cerebral scintigraphy using Tc99m in the diagnosis of extensive subtentorial lesions by means of oblique postero-anterior projection] Bozzao L, et al.
Nunt Radiol 35:117-26, Feb 69 (Ita)
[Use of Tc99m in cerebral scintigraphy] Cavallo V, et al.
Nunt Radiol Suppl 1:3-20, 1968 (Ita)
[Lingual thyroid formation in pathology and radioisotope diagnosis] Falcetti E, et al.
Nunt Radiol 34:835-54, Sep 68 (Ita)
[Radiographic and scintigraphic methods in the study of renal hydatidosis] Sacco M, et al.
Nunt Radiol Suppl 1:57-66, 1968 (Ita)
[Radioisotope scanning of cerebral ventricles. Technical considerations and anatomic findings] Signorini E, et al. Nunt Radiol 34:911-26, Sep 68 (Ita)
[Use of labeled mercury chloride (HgCl2 197) in radioisotope scanning of malignant lung tumors] Leggeri A, et al.
Policlinico [Chir] 76:375-84, Nov-Dec 69 (Ita)
[Scintigraphy in pancreatitis. 3. Diagnostic validity of the method] Cellini N, et al.
Policlinico [Med] 77:57-65, Mar-Apr 70 (Ita)
[Clinical and radiologic aspects of hyperparathyroidism. On scintigraphy in the diagnosis of parathyroid adenoma] Pasargiklian E, et al. Policlinico [Med] 76:202-26, Jul-Aug 69 (Ita)
[Diagnostic indications, value and limitations of renal scintiscanning with chlormerodrin-Hg203] Bertolotti A. Policlinico [Prat] 77:1565-9, 30 Nov 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al.
Policlinico [Prat] 77:1067-83, 24 Aug 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al.
Policlinico [Prat] 77:1029-48, 10 Aug 70 (Ita)
[Pneumoscintigraphy in the study of the functions of ventilation and pulmonary perfusion] Pigorini F, et al.
Policlinico [Prat] 77:839-52 concl, 29 Jun 70 (Ita)
[Pneumoscintigraphy in the study of the functions of pulmonary ventilation and perfusion] Pigorini F, et al.
Policlinico [Prat] 77:775-89 contd, 15 Jun 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions. 3] Pigorini F, et al. Policlinico [Prat] 77:933-49, 20 Jul 70 (Ita)
[The sponge kidney in the light of radioisotope research. (Possibilities of new clinical and anatomopathological findings)] Dalla Bernardina L, et al. Quad Radiol 35:255-77, 26 Oct 69 (Ita)
[Possibilities, limitations and indications of scintiscanning with radiotechnetium in the study of gastric carcinoma] Di Maggio C, et al.
Quad Radiol 35:279-302, 26 Oct 69 (Ita)
[Radiographic and scintigraphic evaluation of renal dimensions in urological diagnosis] De Rossi G, et al.
Radiobiol Radioter Fis Med 24:291-310, Sep-Oct 69 (Ita)
[The diagnostic problem in osseous metastases of breast cancer. (Contribution of whole-body scanning with Sr85)] Monetti N, et al.
Radiobiol Radioter Fis Med 24:386-404, Nov-Dec 69 (Ita)
[A new scintigraphic technic with double tracer (colloidal Au 198 and sodium selenite labeled with Se75) for the diagnosis of neoplastic lesions of the liver] Mombelli L, et al.
Radiol Med (Torino) 56:913-23, Oct 70 (Ita)
[Clinical use of pancreatic scanning by methrionine Se75] Roncari G, et al.
Radiol Med (Torino) 55:635-49, Jul 69 (Ita)
[Strontium isotopes scanning in the study of skeletal neoplasm metastases] Roncari G, et al.
Radiol Med (Torino) 55:943-58, Oct 69 (Ita)
[Use of Strontium-87m in the radioisotope scanning of the bones] Sanguineti M, et al.
Radiol Med (Torino) 55:959-69, Oct 69 (Ita)
[Morphological and functional study of the lymphatic system with radioisotopes] Spreafico GL, et al.
Radiol Med (Torino) 56:924-38, Oct 70 (Ita)
[The contribution of scintiscanning to the diagnosis of pulmonary tumors] Tarolo GL, et al.
Radiol Med (Torino) 55:552-67, Jun 69 (Ita)
[Scintiphotography with the gamma camera in diagnosis of intracranial lesions] Tori G, et al.
Radiol Med (Torino) 55:335-44, Apr 69 (Ita)
[Incidence and meaning of spleen and bone marrow uptake in radiocolloid liver scintigraphy] Manduca A, et al. Rass Int Clin Ter 51:1-10, 15 Jan 71 (Ita)
[Scintigraphic evaluation of adrenalinic splenocontraction in the study of splenomegaly] Manduca A, et al.
Rass Int Clin Ter 50:1325-37, 15 Nov 70 (Ita)
[The choice of radioactive tracer in cerebral scintiscanning] Bruscagnin G, et al.
Riv Sper Freniatr 94:433-43, 30 Apr 70 (Ita)
[Quantitative determination of cerebral blood flow using the gamma scintillation camera] Handa J, et al.
Brain Nerve (Tokyo) 23:121-8, Feb 71 (Jap)
["Doughnut sign" in brain scanning] Handa J, et al.
Brain Nerve (Tokyo) 22:803-6, Jul 70 (Jap)
[Evaluation of intraventricular and intrathecal scanning methods] Toyama K, et al.
Brain Nerve (Tokyo) 23:53-63, Jan 71 (Jap)
[linical application and significance of lung scintigrams in pulmonary diseases with special reference to pulmonary tuberculosis] Yamada T, et al.
Iryo 24:1017-26, Dec 70 (Jap)
[Scintiscanning with strontium-85 in the diagnosis of skeletal metastasis] Yoshii H, et al.
J Kumamoto Med Soc 44:1160-4, 25 Nov 70 (Jap)
[Diagnosis of malignant tumor with 67-Ga-citrate in the field of otorhinolaryngology] Sakurai S, et al.
J Otolaryngol Jap 74:260-5, Feb 71 (Jap)
[Studies on radioiodinated amino acids as pancreas scanning agents] Kato S, et al.
J Pharm Soc Jap 90:1499-506, Dec 70 (Jap)
[Differential diagnosis of lung cancer and pulmonary tuberculosis using 67Ga-citrate] Kanno I, et al.
Jap J Cancer Clin 17:437-41, Jun 71 (Jap)
[Primary hyperparathyroidism with adenoma localized by pre-operative parathyroid scanning] Furukawa Y, et al. Jap J Clin Med 29:1400-7, May 71 (Jap)
[Diagnosis of cerebrovascular disorders using 99m-Tc-pertechnetate brain scanning] Miyahara T, et al. Jap J Clin Med 28:2486-97, Oct 70 (Jap)
[Liver and bile duct scintiscanning--meaning of serial 131-IBSP abdominal scanning as a biliary function test] Iwase T, et al. Naika 27:666-77, Apr 71 (Jap)
[Radioisotope scanning of the liver and spleen in cases of schistosomiasis japonica] Nagatani M, et al.
Naika 26:541-6, Sep 70 (Jap)
[Fundamental study for diagnosis of pulmonary segment by scintillation camera. 1] Kitazawa T, et al.
Nippon Acta Radiol 31:152-68, 1971 (Jap)
[Studies on the digital computer processing of the radioisotope image through the scintlcamera]
Torizuka K, et al.
Nippon Acta Radiol 31:119-32, 1971 (Jap)
[A kit system for the preparation of indium- 113 m-In EDTA and its application to brain scanning] Uemura K, et al. Nippon Acta Radiol 31:174-82, 1971 (Jap)
[Experimental comparison of the detectability of liver tumor between scintillation camera and conventional rectilinear scanners] Watanabe K, et al.
Nippon Acta Radiol 30:629-41, Oct 70 (Jap)
[Results of 99mTc pertechnetate scanning in intracranial neoplastic and non-neoplastic lesions] Watanabe K, et al.
Nippon Acta Radiol 30:555-65, Sep 70 (Jap)
[Diagnosis of malignant tumor in the field of otorhinolaryngology by radioisotopes--localization of the lesion in maxillary cancer using the scintigram] Kubota T.
Otolaryngology (Tokyo) 43:497-504, 1971 (Jap)
[Successive abdominal scintillation with 131-I-tagged BSP--description of the thyroid gland, kidney and spleen (comparison with 131-I-RB)] Imaeda T, et al.
Rinsho Hoshasen 15:803-17, Nov 70 (Jap)
[Parathyroid scintigram] Kinoshita F, et al.
Rinsho Hoshasen 16:343-50, May 71 (23 ref.) (Jap)
[Pseudomass in liver scanning] Suzuki Y, et al.
Rinsho Hoshasen 16:197-201, Mar 71 (Jap)
[Detection of metastatic foci of the thyroid gland using 131-I] Watanabe K, et al.
Rinsho Hoshasen 16:99-106, Feb 71 (Jap)
[Scintigram of brain tumors with 99m Tc] Watanabe K, et al. Rinsho Hoshasen 15:887-96, Dec 70 (Jap)
[Hepatic scintigram] Yasukochi H.
Rinsho Hoshasen 16:420-1, May 71 (Jap)
[Liver scintigram. 3. Comparison between 99mTc and 198Au] Rinsho Hoshasen 16:801-2, Jul 71 (Jap)
[Diagnosis of pancreas diseases using radioisotopes] Arimizu N. Saishin Igaku 25:2327-35, Nov 70 (Jap)
[Radioisotopic diagnosis of biliary tract diseases: significance of serial scintiphotography by 131-I-BSP and 131-I-RB in the diagnosis of bile duct and gallbladder diseases] Kaneko M, et al.
Saishin Igaku 25:2300-6, Nov 70 (Jap)
[Liver scintigraphy, its technic and diagnostic technic] Watanabe K, et al.
Saishin Igaku 25:2257-66, Nov 70 (Jap)
[Diagnosis of gastric cancer using improved GFB (gastro-fiberscope) attached with a GM tube] Hika Y, et al. Shujutsu 25:174-82, Feb 71 (Jap)
[Scintigraphy of the joints] Husby G, et al.
Tidsskr Nor Laegeforen 91:1459-62, 10 Jul 71 (Nor)
[Scintigraphy in the diagnosis of subacute thyroiditis] Górowski T. Endokrynol Pol 21:627-34, 1970 (Pol)
[Personal experience in radioisotopic diagnosis of myocardial infarction] Zmudziński J.
Kardiol Pol 14:69-75, 1971 (Pol)
[Scintigraphy of symptomless metastases to the bones in cases of breast neoplasms] Malinowska J, et al.
Nowotwory 20:75-80, Apr-Jun 70 (Pol)
[Simultaneous scinti- and renographic study of the renal blood flow] Malinowska J, et al.
Nowotwory 20:173-82, Jul-Sep 70 (Pol)
[Results of thyroid scintigraphy with technetium-99m in children and adolescents] Górowski T, et al.
Pol Tyg Lek 25:1527-30, 12 Oct 70 (Pol)
[Pulmonary scanning with MAA I-131 in the diagnosis of pulmonary embolism. Correlation with radiography and angiography] Knobel E, et al.
Arq Bras Cardiol 23:299-306, Oct 70 (Por)
[Numerical diagnostic index for the functional characterization of patients with autonomous thyroid nodules] Ferraz AR.
Rev Assoc Med Bras 17:39-46, Feb 71 (Por)
[Pulmonary mapping with radioisotopes in the sudy of regional pulmonary flow] Knobel E, et al.
Rev Assoc Med Bras 16:423-8, Dec 70 (Por)
[Selective arterioscannography] Rabkin IKh, et al.
Khirurgiia (Mosk) 47:30-3, Feb 71 (Rus)
[Radioisotope scanning of the liver in the recovery period after resuscitation of the organism]
Radushkevich VP, et al.
Khirurgiia (Mosk) 46:105-9, Apr 70 (Rus)
[Radioisotope study of the liver in mechanical jaundice] Struchkov VI, et al.
Khirurgiia (Mosk) 46:7-13, Nov 70 (Rus)
[Radioactive isotopes in the diagnosis of gallbladder diseases] Struchkov VI, et al.
Klin Khir 10:8-12, Oct 69 (Rus)
[Peripheral pulmonary circulation in mitral stenosis according to scanning data] Neimark II, et al.
Klin Med (Mosk) 49:29-34, Jan 71 (Rus)
[Scanning the liver in patients with chronic nonspecific lung diseases]. Riazanskaia GV, et al.
Klin Med (Mosk) 48:93-100, Dec 70 (Rus)
[Dynamic study of the liver and gallbladder by quantitative radioisotope scanning with I-131 labelled rose bengal in opisthorchiasis] Finaeva DE, et al.
Med Parazitol (Mosk) 39:405-9, Jul-Aug 70 (Rus)
[Radioisotope lymphography in lymphogranulomatosis] Chupin IIa, et al.
Med Radiol (Mosk) 15:13-8, Aug 70 (Rus)
[Method of obtaining an x-ray scannographic image] Gleifer IuIa, et al.
Med Radiol (Mosk) 15:35-8, Dec 70 (Rus)
[Methods of visualization and information processing in radioisotope scanning] Kolesnikova NV.
Med Radiol (Mosk) 15:3-8, Aug 70 (22 ref.) (Rus)
[A method of optimizing the parameters of a collimator for radioisotope scanning] Kostylev VA, et al.
Med Radiol (Mosk) 16:80-5, Mar 71 (Rus)
[Transformation of the 2-dimensional image of scannogram into axonometric] Lednev IA, et al.
Med Radiol (Mosk) 15:72-5, Oct 70 (Rus)
[Demonstration of breast cancer metastases in parasternal lymph nodes using Au-198] Pavlov AS, et al. Med Radiol (Mosk) 16:34-9, Mar 71 (Rus)
[Scanning of brain tumors] Sivachenko TP, et al.
Med Radiol (Mosk) 15:8-12, Aug 70 (Rus)
[Liver scanning in patients with lung cancer] Zubovskii GA, et al. Med Radiol (Mosk) 15:23-30, Nov 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Clinico-scannographic characteristics of the liver following combined treatment of lung cancer patients] Zubovskif GA, et al.
Med Radiol (Mosk) 16:44-9, Mar 71 (Rus)
[Average contrast of images of volume sources of anomalous accumulation of radioactivikty in gamma-topography] El'kind Elu.
Nov Med Priborostr 1:59-67, 1970 (Rus)
[Physicotechnical methods and equipment for visualization of radioisotopes in the organism] El'kind Elu. Nov Med Priborostr 1:53-8, 1970 (Rus)
[Scanning method in the differential diagnosis of tumorous formations of the orbit] Dubovyf ED, et al.
Oftalmol Zh 26:114-8, 1971 (Rus)
[Role of scanning the liver and spleen with gold colloid solutions in the differential diagnosis aleukemic reticulosis] Fafnshtefn FE, et al.
Probl Gematol Pereliv Krovi 15:9-14, Sep 70 (Rus)
[Scannopulmonography in pulmonary tuberculosis] Shikhman ShM. Probl Tuberk 48:65-8, 1970 (Rus)
[Characteristics of new radioisotope methods of studying the salivary glands] Iudin LA.
Sov Med 34:20-5, Jan 71 (Rus)
[Study of the outcome of mixed infectious hepatitis according to radioisotope hepatography data] Chernysheva NN, et al. Ter Arkh 42:40-4, Oct 70 (Rus)
[Indirect radioisotope lymphography in the diagnosis of regional metastases of bladder cancer] Antipov SG.
Urol Nefrol (Mosk) 35:41-5, Jul-Aug 70 (Rus)
[Significance of the radioindication method in the diagnosis of inflammatory and malignant tumors of the abdomen] Ovchinnikov VA.
Vestn Khir 105:32-5, Dec 70 (Rus)
[Radioisotope study in cholecystitis and cancer of the gallbladder] Struchkov VI, et al.
Vestn Khir 105:32-6, Nov 70 (Rus)
[Use of radioisotope scanning in the complex study of the extrahepatic bile ducts] Vitlin VI, et al.
Vestn Khir 105:120-1, Aug 70 (Rus)
[Radioisotope diagnosis of skeletal neoplasms] Zubovskif GA, et al.
Vestn Rentgenol Radiol 45:21-6, Nov-Dec 70 (Rus)
[Radioisotopic methods in the diagnosis of lung cancer] Arganat VZ, et al. Vopr Onkol 17:9-15, 1971 (Rus)
[Radioisotope diagnosis of retroperitoneal metastases of malignant testicular neoplasms] Gorbadef NK, et al.
Vopr Onkol 17:30-5, 1971 (Rus)
[Evaluation of radioisotope diagnosis of skeletal tumors] Knysh IT, et al.
Vopr Onkol 17:29-36, 1971 (Rus)
[Method of radioisotope scintophotography in the diagnosis of brain diseases] Nosikova SM, et al.
Zh Nevropatol Psikhiatr 70:1605-12, 1970 (Rus)
[Morphologic study of the liver using radioactive isotopes (liver scintigraphy)] Kostić K.
Med Pregl 22:585-90, 1969 (Ser)
[Indirect lymphography with radiocolloids in otorhinolaryngology] Vega MF.
Acta Otorinolaryngol Iber Am 21:134-9, 1970 (Spa)
[Development of the gammagraphic image in chronic pulmonary arterial occlusion] Galland F, et al.
Arch Inst Cardiol Mex 40:635-44, Sep-Oct 70 (Spa)
[Clinical correlation between pulmonary scanning and angiography] Amadey E, et al.
Medicina (B Aires) 30:470-8, Sep-Oct 70 (Spa)
[The role of scintigraphy and radiography in the early diagnosis of lung cancer] Grassi OT, et al.
Prensa Med Argent 57:2152-7, 29 Jan 71 (Spa)
[Progress in the diagnosis of cancer by using radioisotopes] Sotomayor M, et al.
Prensa Med Mex 35:139-44, Mar-Apr 70 (Spa)
[Thyroid cold zones. Evaluation of the scanning findings] Montoya Agudo V, et al.
Rev Clin Esp 115:383-6, 15 Dec 69 (Spa)
[Comparative study of lymphography and radioisotope scanning in ganglionic metastasis] Skromne G, et al.
Rev Inst Nacl Cancerol (Mex) 19:582-9, Dec 66 (Spa)
[Liquor studies with 131-I-human serum albumin, scanning with time function studies] Lying-Tunell U, et al. Nord Med 84:1308, 8 Oct 70 (Swe)
[Studies with Nukabs 2520 "gammascope"] Silfverskjöld BP, et al.
Nord Med 84:1527, 26 Nov 70 (Swe)
[Information content of gamma pictures and scintigrams] Vauramo E.
Nord Med 85:939-40, 5 Aug 71 (Swe)
[Radioisotope diagnostics in pediatric nephrology] Dubnľková H, et al.
Cesk Pediatr 25:581-4, Dec 70 (Slo)
[Evaluation of liver scintigraphy in relation to bioptic histological analyses in infectious hepatitis] Grunevska G, et al.
God Zb Med Fak Skopje 16:183-96, 1970 (Cro)

ADVERSE EFFECTS

Comparative histological changes in the normal lymph node following ethiodol lymphography and colloidal gold-198 lymphscanning. Kazem I, et al.
Clin Radiol 22:382-8, Jul 71
wo severe reactions following a pulmonary scan in a patient with idiopathic pulmonary haemosiderosis. Bliek AJ, et al. J Nucl Med 12:90-2, Feb 71
[Effect of renal radioisotope diagnostics on kidney parenchyma in patients with malignomas, following radiotherapy] Wöllgens P, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:415-21, Mar 71 (Ger)

INSTRUMENTATION

Preparation and uses of a new 99mTc colloid. Schwenn JD. Am J Med Technol 37:223-5, Jun 71
Spatial statistics of a gamma camera. Jackson GL, et al.
Am J Roentgenol Radium Ther Nucl Med 112:760-3, Aug 71
Clinical tests on a prototype semiconductor gamma-camera. McCready VR, et al.
Br J Radiol 44:58-62, Jan 71
Extending the dynamic range of the photoscan display. Sear R, et al. Br J Radiol 43:826, Nov 70
Norland-Cameron bone mineral analyzer (portable).
J Am Geriatr Soc 19:191-2, Feb 71
A head-holding device for improved brain scintigraphy. Berke RA, et al. J Nucl Med 12:305-6, Jun 71
Preliminary imaging studies with a large crystal scintillation camera. Hayes M.
J Nucl Med 12:93-4, Feb 71
A digital ratemeter system for rectilinear scanning. Simmons GH, et al. J Nucl Med 11:610-2, Oct 70
An electronic marking device for a gamma scintillation camera. Walton PW, et al. J Nucl Med 12:257-61, May 71
A simple marking device for use with the gamma camera. Williams JP. J Nucl Med 12:300-1, Jun 71
The diverging collimator. Muehllehner G.
Nucl Med (Stuttg) 9:84-94, 30 Mar 70
A hybrid positron scanner. Burnham CA, et al.
Phys Med Biol 15:517-28, Jul 70
An off-line computer interface for a rectilinear scanner. Dowsett DJ, et al.
Phys Med Biol 16:249-56, Apr 71
A comparison of radioisotope imaging devices using plane source distributions. Galvin JM, et al.
Phys Med Biol 15:735-8, Oct 70
Wire spark chambers for clinical imaging of gamma-rays. Kaufman L, et al.
Phys Med Biol 16:417-26, Jul 71
A statistically designed colour ribbon for scanners. Keyes WI, et al. Phys Med Biol 15:573-5, Jul 70
A tomographic scintillation camera. Muehllehner G.
Phys Med Biol 16:87-96, Jan 71
Degradation of spatial resolution in gamma cameras employing sodium iodide or germanium detectors. Parker RP. Phys Med Biol 15:493-502, Jul 70
The "working region" of distance-independence for point sensitivity in air of moving and stationary scanners. Sharma RR. Phys Med Biol 16:257-68, Apr 71
An off-line digital system for use with a gamma camera. Vernon P, et al. Phys Med Biol 16:405-15, Jul 71
Recent advances in brain scanning. Keeling DH.
Proc R Soc Med 64:340-2, Apr 71
Image aberrations produced by multichannel collimators for a scintillation camera. Bonte FJ, et al.
Radiology 98:329-34, Feb 71
An improved detector for video systems used in radionuclide studies. Griffith JM, et al.
Radiology 100:699-700, Sep 71
[Use of scintillation camera in medicine] Vacek J, et al.
Cas Lek Cesk 110:514-8, 1971 (Cze)
[The scintillation camera. Its value for the study of hepatic function and of biliary duct permeability after intravenous injection of rose bengal labeled with iodine 131] Capitaine Y, et al.
Rev Int Hepatol 19:439-50, 1969 (Fre)
[Calculation, construction and evaluation of collimators for scintigraphy using low energy radionuclides] Zeidler U, et al.
Nucl Med (Stuttg) 10:167-95, 1971 (Ger)
[Experimental tests for determination of the resolution of the gamma camera] Milanesi R, et al.
Fracastoro 63:108-16, Mar-Apr 70 (Ita)
[A simple digital system of quantitative gammagraphy] Baptista AM, et al. Arq Patol 42:39-45, 1970 (Por)
[Device for the quantitative evaluation of scanning results] Khodarev NN, et al.
Med Radiol (Mosk) 15:75-7, Aug 70 (Rus)
[Experiment in combination of emission- and transmission-scintigraphy] Vikterlöf KJ, et al.
Nord Med 84:1307, 8 Oct 70 (Swe)

STANDARDS

A measure for radioisotope scan image quality. Vetter HG, et al. J Nucl Med 12:526-9, Jul 71
[Contrast enhancement in scintigrams by means of digital filters] Lorenz WJ, et al.
Z Krebsforsch 74:344-8, 1970 (Ger)

UTILIZATION

Brain scanning--is it becoming unnecessarily complicated? Gottschalk A.
Am J Roentgenol Radium Ther Nucl Med 111:851-2, Apr 71
[Significance of lymphoscintigraphy for the determination of field sizes in the irradiation of cervix and uterine neoplasms] Fehling H, et al.
Strahlentherapie 141:581-6, May 71 (Ger)

RADIOISOTOPE TELETHERAPY (E2)

Dose measurements in oesophagus in cobalt 60 rotation therapy. McEwan AC, et al.
Acta Radiol [Ther] (Stockh) 9:618-21, Dec 70
Results in treatment of pure seminoma of the testis. Castro JR, et al.
Am J Roentgenol Radium Ther Nucl Med 111:355-9, Feb 71
Glioblastoma multiforme. An analysis of the results of postoperative radiotherapy alone versus radiotherapy and concomitant 5-fluorouracil. (A prospective randomized study of 32 cases). Edland RW, et al.
Am J Roentgenol Radium Ther Nucl Med 111:337-42, Feb 71
Use of electron filter to reduce skin dose in cobalt teletherapy. Khan FM.
Am J Roentgenol Radium Ther Nucl Med 111:180-1, Jan 71
Dosage tolerance of pelvic structures with cobalt 60 rotation radiation therapy. Koeck GP, et al.
Am J Roentgenol Radium Ther Nucl Med 111:260-8, Feb 71
Telecobalt therapy for carcinoma of laryngopharynx. Lalanne CM, et al.
Am J Roentgenol Radium Ther Nucl Med 111:78-84, Jan 71
Methods for the enhancement of skin sparing in cobalt 60 teletherapy. Saylor WI, et al.
Am J Roentgenol Radium Ther Nucl Med 111:174-9, Jan 71
A randomized study of hyperbaric oxygen as an adjunct to regularly fractionated radiation therapy for clinical treatment of advanced neoplastic disease. Tobin DA, et al.
Am J Roentgenol Radium Ther Nucl Med 111:613-21, Mar 71
Explosive decompression in a hyperbaric oxygen chamber. Tobin DA.
Am J Roentgenol Radium Ther Nucl Med 111:622-4, Mar 71
Advanced carcinoma of the maxillary antrum treated by cobalt teletherapy and electron beam irradiation. Bataini JP, et al. Br J Radiol 44:590-8, Aug 71
Tissue-air ratio formulae in 60Co teletherapy dosimetry. Meiski J. Br J Radiol 43:825-6, Nov 70
Pre-irradiation 5-fluorouracil infusion in advanced head and neck carcinomas. Gollin FF, et al.
Cancer 27:768-70, Apr 71
Combination of preoperative irradiation and surgery in the treatment of cancer of the oropharynx, hypopharynx, and larynx. Levitt SH, et al.
Cancer 27:759-67, Apr 71
Composite isodose calculation with a digital computer. Application to total pelvis irradiation in cervical carcinoma with telecobalt radiation. Debois JM, et al.
J Belge Radiol 52:190-5, 1969
Cobalt 60 teletherapy of localized prostatic carcinoma: a 10-year experience. Odell RW Jr, et al.
J Urol 105:843-6, Jun 71
Radiotherapy of carcinoma of the floor of the mouth. Campos JL, et al. Radiology 99:677-82, Jun 71
Cobalt-60 teletherapy of pituitary adenomas. Carlson DH, et al. Radiology 98:655-9, Mar 71
A computer method for calculating multi-field and rotational dose distributions in Co-60 teletherapy. Jayaraman S. Strahlentherapie 140:283-5, Sep 70
Results of cobalt therapy in inoperable carcinoma of the lung. Ojala A. Strahlentherapie 140:626-9, Dec 70
Radiation therapy in management of soft-tissue sarcomas. Suit HD, et al. Tex Med 67:60-3, Mar 71
[Telecobaltherapy of bladder epithelioma] Lustman-Maréchal J.
Acta Urol Belg 39:28-35, Jan 71 (Fre)
[Prospects and evaluation of a radiological technic, telecyclocobaltherapy of cancers] Mallet L.
Bull Acad Natl Med (Paris) 155:74-8, 19 Jan 71 (Fre)
[Differential effect of low output radiotherapy] Pierquin B.
Bull Acad Natl Med (Paris) 154:579-83, 30 Jun 70 (Fre)
[Calculation of telecobalt therapy irradiation by using a computer] Prignot M, et al.
J Belge Radiol 52:196-9, 1969 (Fre)
[A deduction from the two-thirds method for the determination of isodoses in telecobaltotherapy under oblique incidence] Gros C, et al.
J Radiol Electrol Med Nucl 51:41-2, Jan-Feb 70 (Fre)
[Limitations of radiotherapy in the reticular forms of Hodgkin's disease] Lagarde C, et al.
J Radiol Electrol Med Nucl 52:153-5, Mar-Apr 71 (Fre)
[Differential effects of continual (or semi-continual) low output irradiation of epidermoid carcinoma (preliminary note)] Pierquin B.
J Radiol Electrol Med Nucl 51:533-6, Aug-Sep 70 (Fre)
[Computer-calculated dose distributions in the megavolt therapy of gynecologic tumors] Fehrentz D, et al. Arch Gynaekol 209:222-36, 31 Aug 70 (Ger)
[Accidental diagnostic finding of vertebral hemangioma and its therapy, especially tele-cobalt therapy] Riepenhausen U, et al.
Beitr Orthop Traumatol 17:7-8, Jan 70 (Ger)
[Tumors of the musculoskeletal system. Morphology and angiology. The process of skeletal metastasis]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Wehner W.
Beitr Orthop Traumatol 17:1-4 contd, Jan 70 (Ger)
[First results in the estimation of dosage distribution in tangential stationary-fields using a digital computer] Heilmann HP, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:839-43, Jun 71 (Ger)
[Primary high-dosage cobalt-60 irradiation in advanced uterine cervix- and vaginal cancer] Martin K.
Geburtshilfe Frauenheilkd 31:50-61, Jan 71 (Ger)
[Treatment of chronic lymphocytic leukemia by extracorporeal irradiation of the blood] Meuret G, et al. Haematol Lat 12:531-7, Jul-Dec 69 (Ger)
[Primary sarcoma of palatine tonsil with special reference to reticulosarcoma. II. The significance of local curie therapy with isotopes and the percutaneous high voltage irradiation] Halama J.
HNO 19:23-6, Jan 71 (Ger)
[Experiences with telecobalt irradiation of malignant esophageal tumors. Treatment results in 124 patients in the years 1958-1968] Eberhardt HJ, et al.
Radiobiol Radiother (Berl) 11:121-7, 1970 (Ger)
[Telecobalt therapy of laryngeal and hypopharyngeal tumors] Schuhknecht HJ, et al.
Radiobiol Radiother (Berl) 11:375-9, 1970 (Ger)
[Dose distribution in the kidneys and efferent urinary tracts in patients with testicular tumors after conventional and telecobalt irradiation] Tietze D, et al. Radiobiol Radiother (Berl) 11:597-600, 1970 (Ger)
[Inoperable esophageal carcinoma. Results of a conventional depth x-ray and telegammatherapy] Becker G, et al.
Strahlentherapie 140:354-61, Oct 70 (Ger)
[Pendulum irradiation of the bladder with cobalt 60] Bunde E, et al.
Strahlentherapie 141:620-31, May 71 (Ger)
[Studies on the energy dependency of dosimeters demonstrated on a 42 megavolt betatron] Fehrentz D, et al. Strahlentherapie 140:71-7, Jul 70 (Ger)
[Comparison of dose distributions in high-voltage roentgen rays up to 42 MV and cobalt-60-gamma rays] Fehrentz D, et al.
Strahlentherapie 139:143-58, Feb 70 (Ger)
[Radiation-induced changes in the lung and pleura after tangential Co60 pendulum irradiation of breast carcinoma. Results of x-ray and lung function analytic studies] Fischer J, et al.
Strahlentherapie 140:478-85, Nov 70 (Ger)
[Tele-cobalt irradiation of aortic lymph nodes] Frischbier HJ, et al.
Strahlentherapie 140:32-6, Jul 70 (Ger)
[Prognosis of rectal carcinoma treated initially with 60Cobalt gamma and ultrahigh betatron roentgen irradiation] Geginat G.
Strahlentherapie 141:375-80, Apr 71 (Ger)
[High-energy therapy of bladder carcinoma] Graefe KH, et al. Strahlentherapie 139:665-70, Jun 70 (Ger)
[Postoperative cobalt-60 teletherapy of breast carcinoma. Results in 265 patients] Heinze HG, et al.
Strahlentherapie 140:468-77, Nov 70 (Ger)
[Cobalt-60 teletherapy in renal tumors] Heinze HG, et al. Strahlentherapie 141:276-83, 1971 (Ger)
[The pendulum translation with transversal shaft shifting in the cobalt-60-teletherapy] Kuttig H, et al.
Strahlentherapie 140:53-62, Jul 70 (Ger)
[A program for the computation of dose distribution in 60 Co-gamma-radiation teletherapy. II. Establishing and modus operandi of the program] Leetz HK.
Strahlentherapie 141:682-90, Jun 71 (Ger)
[A program for the computation of dose distribution in 60 Co-gamma-radiation teletherapy. 3. Experimental studies] Leetz HK.
Strahlentherapie 141:691-5, Jun 71 (Ger)
[Program for calculation of dose distribution for teletherapy with 60Cobalt gamma rays. I. Mathematical principles] Leetz HK.
Strahlentherapie 141:416-20, Apr 71 (Ger)
[Radiobiologic contributions to the problem of partial body irradiation under hyperbaric oxygen pressure and after intake of antineoplastic agent (Proresid). 2] Löhr E, et al. Strahlentherapie 140:407-27, Oct 70 (Ger)
[Radiotherapy of Hodgkin's disease. Results of radical megavolt therapy with large fields in comparison with conventional orthovolt therapy. 1. Results of Freiburg patients from 1948 to 1964 and from 1964 to 1969] Musshoff K, et al.
Strahlentherapie 141:381-9, Apr 71 (Ger)
[Comparison of Co-60 teletherapy and high energy electron radiotherapy in bladder carcinoma] Ott A.
Strahlentherapie 139:280-3, Mar 70 (Ger)
[Principle of deep dosage computation in 60Co telegamma irradiation in the Radiologic Clinic of the University of Marburg] Popp FA, et al.
Strahlentherapie 141:612-9, May 71 (Ger)
[Film dosimetry of high-energy rays. V. Energy and phantom depth dependence of the film sensitivity for high-energy photon and electron rays during exposition parallel to the direction of incidence] Rassow J, et al.
Strahlentherapie 141:336-45, 1971 (Ger)
[Deep electron therapy by pendulum irradiation. 3. Foundations of a new dose integration method for the calculation of dose distribution in pendulum irradiation] Rassow J.
Strahlentherapie 139:117-38, Feb 70 (Ger)
[Cocobalt-60 therapy of urinary bladder carcinoma. 5-year results] Reinhard B, et al.
Strahlentherapie 141:271-4, 1971 (Ger)
[Target irradiation technic in kidney malignomas using telecobalt restrictions] Rödel K, et al.
Strahlentherapie 140:366-73, Oct 70 (Ger)
[60Cobalt-teletherapy of brain neoplasms] Schütz J, et al. Strahlentherapie 141:367-74, Apr 71 (Ger)
[Reaction of proliferating cartilaginous tissue to 14,4 MeV electrons, 60 Co-gamma and 200 kV x-rays] Stender HS, et al.
Strahlentherapie 141:573-80, May 71 (Ger)
[Punched card control in cobalt teletherapy] Weishaar J, et al. Strahlentherapie 140:78-83, Jul 70 (Ger)
[Irradiation planning by means of a programmable table computer] Wendhausen H.
Strahlentherapie 141:306-10, 1971 (Ger)
[Mega-volt therapy of malignant stomach neoplasms] Wieland C, et al.
Strahlentherapie 140:20-6, Jul 70 (Ger)
[Early results of telecobalt irradiation of bronchial carcinomas] Willner B, et al.
Strahlentherapie 139:652-5, Jun 70 (Ger)
[Wilkins' method and the association of cobalt with surgery in therapy of cancer of the cervival esophagus] Bartalena G, et al.
Boll Mal Orecch Gola Nase 87:276-93, 1969 (Ita)
[Use of computer in clinical practice. Automatization of the plans of treatment with telecobaltherapy] Milanesi R, et al.
Fracastoro 63:784-93, Sep-Oct 70 (Ita)
[Radioisotopes in the diagnosis and therapy of tumors] Gazzera G.
G Batteriol Virol Immunol 63:309-94, Jul-Aug 70 (Ita)
[Notes on gamma teletherapy of esophageal cancer] Granone FG, et al.
Minerva Radiol 14:553-61, Dec 69 (Ita)
[On the treatment of pulmonary carcinoma by means of vincristine-methotrexate associated with telecobalt therapy] Nervi C, et al.
Policlinico [Med] 76:227-34, Jul-Aug 69 (Ita)
[Research on the methods of calculation of the focal dose for intrathoracic tumors in relation to the dishomogeneity of the absorbing medium] Salomoni E. Policlinico [Prat] 77:1689-95, 28 Dec 70 (Ita)
[Our experience in cobalt teletherapy of inoperable carcinoma of the lung] Felci U.
Radiol Med (Torino) 55:568-74, Jun 69 (Ita)
[Automatic control of telecobalt unit by transit dose measurement. I. Experimental formula for tissue-air ratios] Egawa J, et al.
Nippon Acta Radiol 31:253-8, Jun 71 (Jap)
[Significance of pendulum technique in conformation radiotherapy. Studies on conformation radiotherapy. 21. Studies on telecobalt radiotherapy. 34.] Morita K, et al. Nippon Acta Radiol 30:805-10, Dec 70 (Jap)
[Treatment of carcinoma of the tongue with telecobalt-60] Wasilewski M, et al.
Nowotwory 20:135-40, Apr-Jun 70 (Pol)
[Preoperative telegammatherapy in the combined treatment of cancer of the uterine cervix] Falileeva EP, et al.
Akush Ginekol (Mosk) 46:25-30, Aug 70 (Rus)
[Sex chromatin in malignant tumors of the breast in patients subjected to preoperative irradiation] Loboda VI. Arkh Patol 32:37-41, 1970 (Rus)
[Effect of cystamine on chromosome aberrations of human peripheral blood lymphocytes during local fractionated gamma-irradiation] Berlin LB.
Dokl Akad Nauk SSSR 195:998-1000, 1970 (Rus)
[Mobile gamma-therapy of bladder tumors] Kats MS, et al. Med Radiol (Mosk) 15:15-23, Nov 70 (Rus)
[Results of radiotherapy in several forms of malignant tumors depending on the single dose amount] Kozlova AV. Med Radiol (Mosk) 15:19-24, Oct 70 (Rus)
[Chart preparation and dose calculation in telegammatherapy with a lead screen] Pereslegin IA, et al. Med Radiol (Mosk) 15:65-70, Aug 70 (Rus)
[Dose fields in rotation gamma-irradiation of homogenous and heterogeneous human chest phantoms] Skoropad IuD.
Med Radiol (Mosk) 15:77-81, Aug 70 (Rus)
[Late results of combined radiation treatment of patients with cancer of the uterine cervix] Gabelov AA, et al. Vopr Onkol 16:56-60, 1970 (Rus)
[Megavolt radioteletherapy] Kantin AV.
Vopr Onkol 16:100-7, 1970 (54 ref.) (Rus)
[Energy distribution in photon-radiation from 60Co-therapy apparatus] Löfroth PO, et al.
Nord Med 84:1305, 8 Oct 70 (Swe)
[Is a special radiation shielding around betatron laboratory necessary?] Persson JE, et al.
Nord Med 84:1306, 8 Oct 70 (Swe)
[The Swedish Radiotherapy project in Nairobi] Walstam R, et al. Nord Med 84:1252, 24 Sep 70 (Swe)
[Reticulosarcomas in otorhinolaryngology irradiated by telecobalt therapy during 1960, 1961 and 1962] Janković I. Med Glas 24:170-2, Apr-May 70 (Cro)

ADVERSE EFFECTS

Radiation enterocolitis: a report of seven cases. Some aspects of pathology and management. Alp MH, et al.
Aust NZ J Surg 40:144-51, Nov 70
[Subcutaneous induration following telecobalt therapy] Štěpánek J, et al.
Cesk Radiol 25:35-9, Jan 71 (Cze)
[Trypanosa in cobalt therapy (43 cases)] Spithakis R.
Mars Med 107:949-52, 1970 (Fre)
[Bilateral radiotherapeutic hip and osseous necrosis of L5 after cyclocobalotherapy for cervix uteri epithelioma] Gaucher A, et al.
Rhumatologie 23:165-9, May 71 (Fre)
[Follow-up studies of the urinary tracts in patients with testicular tumors after conventional and telecobalt radiation therapy] Taubert W, et al.
Radiobiol Radiother (Berl) 11:601-9, 1970 (Ger)
[Function and morphology of hypertrophic rabbit kidney after telecobalt-irradiation with 1000 to 4000 rad] Bargon G, et al.
Strahlentherapie 140:693-704, Dec 70 (Ger)
[Cellular examinations in human eye after telegammatherapy] Claus HG, et al.
Strahlentherapie 139:418-25, Apr 70 (Ger)
[Criteria for estimation of radiation protection situation in the contact therapy and its application in GDR-overview] Makedanz A.
Z Gesamte Hyg 16:751-60, Oct 70 (Ger)
[Function disorders in the oral cavity as a side effect of radiotherapy] Hansen D, et al.
Z Laryngol Rhinol Otol 49:534-41, Aug 70 (Ger)
[Injurious effects of radiotherapy in aged women with malignant genital neoplasms] Mannarini G, et al.
G Gerontol 18:315-9, Apr 70 (Ita)
[Pituitary adenoma associated with hemorrhage in the tumor provoked by radiotherapy] Kido C, et al.
Rinsho Hoshasen 16:332-5, Apr 71 (Jap)
[Skin reactions after telegammatherapy through grid diaphragms] Aliev BM.
Med Radiol (Mosk) 15:57-62, Sep 70 (Rus)
[Cytogenetic study of oncogynecologic patients during telegammatherapy] Berlin LB, et al.
Vopr Onkol 16:17-21, 1970 (Rus)
[Studies of radiation effects on intestines in telecobalt therapy of ovarial neoplasms] Frankendal B.
Nord Med 84:1310-1, 8 Oct 70 (Swe)
[Possibilities to avoid radiation damage to lungs in high-dose therapy of breast carcinomas] Notter G, et al. Nord Med 84:1308-9, 8 Oct 70 (Swe)

INSTRUMENTATION

Portable 90Sr-90Y applicator with interchangeable plastic shunt for extracorporeal blood irradiation. Sköldborn H, et al.
Acta Radiol [Ther] (Stockh) 9:481-8, Dec 70
Titanium as an encasement for cobalt 60 with special reference to a pneumatic afterloading therapy unit. Breed JE, et al.
Am J Roentgenol Radium Ther Nucl Med 111:401-4, Feb 71
A standard set of "individualized" compensating filters for mantle field radiotherapy of Hodgkin's disease. Faw FL, et al.
Am J Roentgenol Radium Ther Nucl Med 111:376-81, Feb 71
Practical aspects of 90Sr ophthalmic applicator dosimetry. Jones CH, et al.
Br J Radiol 44:203-10, Mar 71
Abnormal decay characteristics of a replacement cobalt-60 teletherapy source. Jackson HL, et al.
Health Phys 20:353-7, Mar 71
Computer dosimetry of partially blocked fields in cobalt teletherapy. Khan FM.
Radiology 97:405-11, Nov 70
New technical application of full-plevic tele-irradiation. Ozarda AT, et al.
Strahlentherapie 139:159-61, Feb 70
[Universal system of wedge filters for cobalt teletherapy] Svoboda J.
Cesk Radiol 25:11-4, Jan 71 (Cze)
[Possibilities of the use of satellite screens in telecobalt therapy] Hofner W, et al.
Wien Klin Wochenschr 83:148-9, 5 Mar 71 (Ger)

RADIOISOTOPES (D1)

Investigation on the metabolic changes of a labelled compartment by means of the simultaneous study of its concentration, radioactivity and specific activity. Scandellari C, et al.
Acta Isot (Padova) 10:103-12, 15 Dec 69
Radiopharmaceuticals. Kristensen K.
Acta Radiol [Diagn] (Stockh) Suppl 254:131-, 1966
Clinical application of the broad spectrum scanning agent--indium 133M. Adatepe MH, et al.
Am J Roentgenol Radium Ther Nucl Med 112:701-6, Aug 71
A system for computer processing of radiopharmaceutical disbursement information. Nusynowitz ML, et al.
Am J Roentgenol Radium Ther Nucl Med 111:191-4, Jan 71
On the possibility of studying the difference between proton and neutron distributions in nuclei by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

quasi-free scattering reactions. Kabachnik NM. Ann Ist Super Sanita 6:9-15, 1970

Incorporation of radioactive seleno-(75Se)-methionine into mumps virus. Jensik SC, et al. Appl Microbiol 21:451-5, Mar 71

Electron paramagnetic resonance studies of 95Mo-enriched NADH dehydrogenase isolated from iron-deficient Azotobacter vinelandii. Dervartanian DV, et al. Biochim Biophys Acta 220:443-8, 16 Dec 70

13N solutions for research studies in pulmonary physiology. Buckingham PD, et al. Br J Radiol 43:830, Nov 70

18F and 85Sr scintimetry in the study of primary arthropathies. Muheim G, et al. Br J Radiol 44:290-4, Apr 71

Localization of removable 192 Ir seed implants. Randall GJ, et al. Br J Radiol 44:646-7, Aug 71

18 fluorine total body scans in patients with carcinoma of the prostate. Roy RR, et al. Br J Urol 43:58-64, Feb 71

Radiopharmaceuticals. Staum MM. Bull Parenter Drug Assoc 24:250-4, Sep-Oct 70

A comparison of the disappearance curves of 133X3 and 85Kr for the measurement of the intrarenal distribution of blood flow. Carrière S. Can J Physiol Pharmacol 48:834-7, Dec 70

The chiral methyl group--its biochemical significance. Cornforth JW. Chem Br 6:431-6, 10 Oct 70

Microsphere measurement of intrarenal circulation of the dog. Slotkoff LM, et al. Circ Res 28:158-66, Feb 71

A radiometric assay of copper binding in biological fluids and its application to alimentary secretions in normal subjects and Wilson's disease. Gollan JL, et al. Clin Chim Acta 31:197-204, Jan 71

Computer analysis of raw radioisotope data derived from antibody-ligand equilibrium studies--quantitation of sites. Major PC, et al. Comput Biomed Res 3:575-85, Dec 70

Radioisotope studies in isolated perfused baboon kidneys. Schoonees R, et al. Cryobiology 8:134-7, Apr 71

212 Pb distribution studies in the rat. Drew RT. Health Phys 20:617-23, Jun 71

Temperature effects on the maturation of midges (Tendipedidae) and their sorption of radionuclides. Harvey RS. Health Phys 20:613-6, Jun 71

Investigations on 210 Pb concentrations in various regions of India. Joshi LU, et al. Health Phys 20:665-8, Jun 71

The fate and implications of 203 Pb ingestion in a dairy cow and a calf. Potter GD, et al. Health Phys 20:650-3, Jun 71

The fate and implications of ingested 204Tl in a dairy cow and a calf. Potter GD, et al. Health Phys 20:657-62, Jun 71

Concerning the relationship of lead-210 and inhalation exposure to radon-222. Raabe OG. Health Phys 18:733-4, Jun 70

Computer program for maintaining radioactive source inventories. Wegst WF, et al. Health Phys 19:444-8, Sep 70

The absolute measurement of beta-disintegrating nuclides emitting conversion electrons with appreciable proportions. Baba H, et al. Int J Appl Radiat Isot 21:607-17, Oct 70

The use of zirconium sulphate in the preparation of 113mIn and 99mTc-labelled albumin macroaggregates. Chapman C, et al. Int J Appl Radiat Isot 21:679-81, Nov 70

Distribution and dosimetry of 113mIn colloid used for bone marrow scanning. Colombetti LG, et al. Int J Appl Radiat Isot 21:643-7, Nov 70

The decay of indium-113m. Goodier IW, et al. Int J Appl Radiat Isot 21:678-9, Nov 70

The production of copper 67 from natural zinc using a linear accelerator. Marceau N, et al. Int J Appl Radiat Isot 21:667-9, Nov 70

Cyclotron production of carrier-free gallium-67. Silvester DJ, et al. Int J Appl Radiat Isot 21:630-1, Oct 70

Clinical uses of radioisotopes. Roy B. J Indian Med Assoc 56:241-3, 16 Apr 71

Radiometric analysis of serum and tissue proteins. Hahn HK, et al. J Lab Clin Med 76:965-72, Dec 70

113m indium for liver scanning. Vigneri R, et al. J Nucl Biol Med 13:106-14, Jul-Sep 69

68Ga-labeled macroaggregates for lung studies. Colombetti LG, et al. J Nucl Med 11:704-7, Dec 70

Visualization of the human spleen with 99mTc-labeled red blood cells. Eckelman W, et al. J Nucl Med 12:310-1, Jun 71

Organic radiopharmaceuticals labeled with short-lived nuclides. 3. 18F-labeled phenylalanines. Hoyte RM, et al. J Nucl Med 12:280-6, Jun 71

Uptake studies in canine abdominal organs following 75Se-selenomethionine administration by a variety of intravascular injection techniques. Kupic EA, et al. J Nucl Med 12:35-9, Jan 71

Ionic aluminum (3) in generator eluate as an erythrocyte-agglutinating agent. Lin MS, et al. J Nucl Med 12:297-9, Jun 71

Liquid scintillation counting of 113mIn conversion electrons in the presence of 3H and 14C. Sisson WB, et al. J Nucl Med 11:749-52, Dec 70

Use of 135mBa and 131Ba as bone-scanning agents. Spencer RP, et al. J Nucl Med 12:216-21, May 71

On the use of radioisotopes in human experimentation. Stanbury JB. J Nucl Med 11:586-91, Oct 70 (55 ref.)

Kinetic analysis of isotope exchange in a system of concentric cylinders. Fraidenraich N, et al. J Theor Biol 32:107-22, Jul 71

Convective diffusion of tracers. Norwich KH. J Theor Biol 32:47-57, Jul 71

Experimental evaluation of a radioisotope-powered cardiac pacemaker. Morrow AG, et al. J Thorac Cardiovasc Surg 60:836-41, Dec 70

Implantable nuclear-powered cardiac pacemakers. Norman JC, et al. N Engl J Med 283:1203-6, 26 Nov 70 (23 ref.)

Future of radioisotope research and treatment laboratory, Medical School of Nagoya City University. Inada G, et al. Nagoya Med J 16:215-8, Feb 71

Flux ratios and isotope interaction in an ion exchange membrane. DeSousa RC, et al. Nature (Lond) 231:44-5, 7 May 71

Isolabelling and chromosome strandedness. Comings DE. Nature [New Biol] 229:24-5, 6 Jan 71

On the physical characteristics of 113-In-m. Hušák V. Phys Med Biol 15:561-3, Jul 70

The handling of xenon-133 in clinical studies. LeBlanc AD, et al. Phys Med Biol 16:105-9, Jan 71

Integral transforms for deconvolution in radioisotope kinetic studies. Orr JS, et al. Phys Med Biol 16:529-30, Jul 71

Afterloading techniques. Ellis F. Proc R Soc Med 63:1034-5, Oct 70

A technique for afterloading implants using radioactive iridium wire. Gamble D. Proc R Soc Med 63:1034, Oct 70

The assay in In113m in medical radioisotope laboratories. Husák V, et al. Radiobiol Radiother (Berl) 11:315-22, 1970

Lung scintiphotography with 113mIn Fe(OH)3 aggregates. Tori G, et al. Radiol Clin Biol 39:476-84, 1970

Vacuum manifold for rapid assay of enzymes using radioactive tracers and ion exchange chromatography. Prusiner SB, et al. Rev Sci Instrum 42:493-4, Apr 71

Pulmonary function studies using radio-isotope xenon-133. Holloway R, et al. S Afr Med J 44:1240-4, 31 Oct 70

Comparison of 133 Xenon radiospirometry with moving detectors and bronchospirometry. Korhonen O, et al. Scand J Resp Dis 52:63-6, 1971

More mislabeling--more frustration. Broido A. Science 170:1037-8, 4 Dec 70

A simple method of preparation of labelled peptides possessing antibiotic properties. Havránek M, et al. Z Naturforsch [B] 26:451-3, May 71

[Preparation and control of radiopharmaceuticals from generator-produced radioisotopes in medical radioisotope laboratories] Raban IP. Cas Lek Cesk 110:74, Jan 71 (Cze)

[Radiopharmaceutic and agents various problems on their compounding] Eysselt M. Cesk Farm 19:264-7, Sep 70 (Cze)

[Clinical applications of indium 113m] Radermecker R, et al. Acta Clin Belg 25:257-87, 1970 (Fre)

[Testing of radiopharmaceutic products derived from isotopic generators] Cohen Y. Ann Pharm Fr 29:191-200, Mar 71 (Fre)

[Analysis of methods of double labeled samples by liquid scintillation: possibilities and limitations] Strolin-Benedetti M, et al. Farmaco [Sci] 25:824-41, Aug 70 (Fre)

[Characteristics of two indium 113m generators] Rousselin RJ, et al. Int J Appl Radiat Isot 21:599-606, Oct 70 (Fre)

[Scintillation counting in a liquid medium: technics and applications in radioprotection] Gillet R, et al. J Belge Radiol 54:441-5, May-Jun 71 (Fre)

[Pulmonary exploration by means of radioactive gases] Besombes JP, et al. J Fr Med Chir Thorac 24:657-78, Sep-Oct 70 (Fre)

[Radiospirometry with 133xenon] Lassen NA. J Fr Med Chir Thorac 24:679-84, Sep-Oct 70 (Fre)

[Vasomotor action of hypoxia and hypercapnia on the pulmonary circulation, measured with 85Kr in solution] Ranson-Bitker B, et al. J Fr Med Chir Thorac 24:685-90, Sep-Oct 70 (Fre)

[Radioactive xenon test in vascular diseases of the lower limbs] Dugois P, et al. Lyon Med 225:647, 11 Apr 71 (Fre)

[Demonstration of the transcutaneous penetration of electrolytes with radioactive tracers. Distribution in the organism; quantitative data] Dubarry JJ, et al. Presse Therm Climat 108:1-8, 1971 (Fre)

[Radioactive osmic acid. Its value as synoviorthesis agent and as tracer of stable osmic acid] Verhaeghe A, et al. Rev Rhum Mal Osteoartic 38:247-51, Apr 71 (Fre)

[Effect of bencyclane on blood circulation of the human calf muscle in the acute test using the 133-Xe tissue clearance method] Debröczi T, et al. Arzneim Forsch 20:Suppl 10a:1412+, Oct 70 (Ger)

[Physiological research on domestic animals using radioisotopes] Hill H. Dtsch Tieraerztl Wochenschr 78:80-3, 1 Feb 71 (Ger)

[Use of an analogue circuit for on line correction in simultaneous double tracer studies] Lange D. Nucl Med (Stuttg) 9:385-96, 31 Dec 70 (Ger)

[Comparison of the determination of the renal blood flow using radioxenon with other clinical parameters] Buchali K, et al. Radiobiol Radiother (Berl) 11:295-8, 1970 (Ger)

[In113m in isotope localization technic] Schwartz KD, et al. Radiobiol Radiother (Berl) 11:309-13, 1970 (Ger)

[Radioisotopic methods for the in-vivo determination of body composition] Ward GM. Wien Tieraerztl Monatsschr 57:204-10, May 70 (Ger)

[Radioisotopes in clinical medicine] Z Gesamte Inn Med 24:Suppl:168-71, 1 Jan 69 (Ger)

[A method for preparing radioactive labeled phosphatides using soybeans in vivo] Hölzl J, et al. Z Naturforsch [B] 26:425-34, May 71 (Ger)

[Investigations on retention and decontamination in laboratory animals after contamination of the surface] Mirna A. Zentralbl Bakteriol [Orig] 216:398-411, 1971 (Ger)

[I-192 in epistaxis caused by Rendu-Osler disease] Gaia F. Boll Mal Orecch Gola Naso 87:410-23, 1969 (Ita)

[Radioisotopes in tumor diagnosis and therapy] Gazzera G. G Batteriol Virol Immunol 63:81-151 contd, Jan-Jun 70 (Ita)

[Measurement of radioactivity in the sewage from the Ospedale Maggiore of Bologna] Rossi A, et al. Ig Mod 63:104-12, 1970 (Ita)

[Protective considerations on the use of sources of Ir-192 in interstitial curie-therapy] Botturi M, et al. Minerva Fisiconucl 14:70-3, Apr-Jun 70 (Ita)

[Considerations on the average dose absorbed by persons engaged in transportation of radioactive materials in Italy (1967-1968)] Faloci C, et al. Minerva Fisiconucl 14:159-71, Oct-Dec 70 (Ita)

[Use of radioisotopes in industrial plants regulated by article 55 of the radiation-protection law, No. 185, of 13 February 1964: observations on authorizations] Nocera F. Minerva Fisiconucl 13:154-9, Apr-Jun 69 (Ita)

[New acrylic resins devices in curiotherapy] Tetti A, et al. Minerva Ginecol 21:416-20, 15 Apr 69 (Ita)

[Recent progress in quantitative analysis of steroid hormones. Radiostereoassay method] Kato T, et al. Jap J Clin Med 29:1065-72, Mar 71 (Jap)

[Nuclear medicine in the diagnosis of heart diseases] Iio M. Naika 28:223-8, 1971 (Jap)

[A kit system for the preparation of indium- 113 m-In EDTA and its application to brain scanning] Uemura K, et al. Nippon Acta Radiol 31:174-82, 1971 (Jap)

[Radiation damage to the liver during internal irradiation] Tokin IB. Arkh Anat Gistol Embriol 57:23-36, 1969 (Rus)

[Decontamination of surfaces contaminated with thorium isotopes and disintegration products] Cherkashina TN, et al. Gig Sanit 35:33-7, Oct 70 (Rus)

[Determination in hygienic studies of the permeability of the histo-hematic barriers by radioactive indicators] Iudina TV. Gig Sanit 35:75-8, Aug 70 (Rus)

[Radiation safety in the use of radioisotopic methods in machine construction] Liarskiĭ PP, et al. Gig Sanit 35:48-51, Sep 70 (Rus)

[Interpretation of 133 xenon-elimination curves in calculating liver blood flow] Darle N, et al. Nord Med 86:913-4, 29 Jul 71 (Swe)

ADMINISTRATION & DOSAGE

Surface applicators and interstitial implantations with radioactive iridium 192. Jayachandran CA. Am J Roentgenol Radium Ther Nucl Med 112:740-4, Aug 71

Intra-arterial irradiation of tumors, a safe procedure. Simon N, et al. Am J Roentgenol Radium Ther Nucl Med 112:732-9, Aug 71

Large dose errors due to redistribution of 133-Xe in carpules and plastic syringes. Keaney J, et al. J Nucl Med 12:349-50, May 71

Trapping of calibrated microspheres in rat lymph nodes. Ludwig J. Lymphology 4:18-24, Mar 71

Interstitial irradiation of apical lung cancer. Hilaris BS, et al. Radiology 99:655-60, Jun 71

[Intra-articular introduction of radioisotopes in knee pathology] David-Chausse J. Rhumatologie 22:249-53, Sep 70 (Fre)

[Scintigraphic demonstration of pathological processes in the spinal canal after intravenous application of radioactive test substances. (i. v. myeloscintigraphy)] Piepgras U, et al. Fortschr Geb Roentgenstr Nuklearmed 113:329-36, Sep 70 (Ger)

[Technics of interstitial radiotherapy of tumors] Agati G. Cancro 22:467-81, 1969 (Ita)

[Considerations and limitations in the treatment of malignant tumors with endoarterial radioactive microspheres] Caldarola L, et al. Minerva Chir 26:407-16, 30 Apr 71 (Ita)

[Apparatus for measuring intracranial (cerebrospinal fluid) pressure and calculated subarachnoid administration of radioactive isotopes] Liass FM, et al. Biull Eksp Biol Med 68:118-20, Jun 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Therapy of some peripheral nervous system diseases with Tl-204 applicators] Zaichenkov EP.
Med Radiol (Mosk) 15:86-8, Sep 70 (Rus)
[Study of regional cerebral blood flow in patients with arterial aneurysms by intra-arterial injection of Xe-133] Arutiunov AI, et al.
Vopr Neirokhir 34:3-9, Sep-Oct 70 (Rus)
[Use of benzyl alcohol for the sterilization of radioactive injection preparations] Kotliarov LM.
Zh Mikrobiol Epidemiol Immunobiol 47:127-31, Sep 70 (Rus)

ANALYSIS

Whole-body counting of some radioactive isotope and radiopharmaceutical production workers. Athey TW 3d, et al. Am Ind Hyg Assoc J 31:711-7, Nov-Dec 70
A computer method for analysis of radioactivity data from single and double labeled experiments. Yund MA, et al.
Biochem Biophys Res Commun 43:717-22, 21 May 71
Instrument design considerations and clinical applications of stable isotope analysis. Klein PD, et al.
Clin Chem 17:735-9, Aug 71
Biological availability of radionuclides produced by the Plowshare Event Schooner. I. Body distribution in domestic pigs exposed in the field. Chertok RJ, et al.
Health Phys 20:317-24, Mar 71
Radioactive strontium and barium fallout. Cooper WW, et al. Health Phys 19:625-32, Nov 70
Relationship of lead-210 and short lived radon-222 daughter products. Fisher HL Jr.
Health Phys 19:697-8, Nov 70
Naturally occurring concentrations of alpha-emitting isotopes in a New England population. Hunt VR, et al.
Health Phys 19:235-43, Aug 70
Measurement of lead-210 (RaD) in the human bone at Bombay, India. Khandekar RN, et al.
Health Phys 20:83-6, Jan 71
Particulate Pb, 210Pb and 210Po in the environment. Langford JC. Health Phys 20:331-6, Mar 71
Lead-210 in air and total diets in the United States during 1966. Magno PJ, et al.
Health Phys 18:383-8, Apr 70
Detection of radiotungsten in rainwater. Mamuro T, et al. Health Phys 20:86-9, Jan 71
Seasonal variation and distribution of 65Zn, 54Mn and 51Cr in tissues of the crab Cancer magister Dana. Tennant DA, et al. Health Phys 18:649-57, Jun 70
Modification of the Tsivoglou method for radon daughters in air. Thomas JW.
Health Phys 19:691, Nov 70
Transfer of krypton-85 from air to grass. Voilleque PG, et al. Health Phys 19:835, Dec 70
Computer programs for calculation of liquid-scintillation data from long-lived and short-lived radionuclides used in single or dual labelling. Cramer CF, et al.
Int J Appl Radiat Isot 22:17-20, Jan 71
Radionuclides in institutional diet samples, October-December 1970 and annual summary 1970.
Radiol Health Data Rep 12:264-7, May 71
[Physical analyses after a nuclear accident] Huber O.
Strahlenschutz Forsch Prax 11:21-9, 1971 (Ger)

DIAGNOSTIC USE

The radioactive labelling of chromic-beta-glycerophosphate complex with short-lived nuclides. Anghileri LJ.
Acta Isot (Padova) 8:207-13, 30 Oct 68
Microspheres. Arch Intern Med 126:572, Oct 70
Cyclotrons in nuclear medicine. Glass HI, et al.
Br J Radiol 43:589-601, Sep 70 (110 ref.)
Medical radiation exposure survey in a hospital with a nuclear medicine laboratory. LeBlanc A, et al.
Health Phys 19:433-7, Sep 70
Tomography with a gamma camera. Freedman GS.
J Nucl Med 11:602-4, Oct 70
Use of radioisotope techniques for determining the weaning period in experimental animals. Babický A, et al. Physiol Bohemoslov 19:457-67, 1970
Radiodiagnostic over kill. Cimmino CV.
Va Med Mon 98:116-7, Feb 71
[Isotopic tests in hematology] Fillet G, et al.
Rev Med Liege 26:156-67, 1 Mar 71 (Fre)
[Radiation dosage during the use of In-113m for placental display] Würthner K, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:478-85, Apr 70 (Ger)
[Radioisotopes in neurologic-neurosurgical diagnosis] Mundinger F, et al.
Hippokrates 42:135-56, Jun 71 (59 ref.) (Ger)
[Reduction of patient radiation dose in nuclear medicine using short-lived radionuclides] Börner W.
Radiologe 10:376-81, Sep 70 (Ger)
[Brain scintigraphy with the positron emitter 18F] Sinn H, et al. Z Krebsforsch 74:349-54, 1970 (Ger)
[Radioisotopes in the diagnosis and therapy of tumors] Gazzera G.
G Batteriol Virol Immunol 63:309-94, Jul-Aug 70 (Ita)
[Radioisotope methods in clinical diagnosis of obstructive jaundice. Comparison with biochemical methods] Pagliano F, et al.
Minerva Med 62:1651-7, 21 Apr 71 (Ita)
[Radioisotopes in the dynamic functional study of pulmonary ventilation, perfusion and diffusion] Semprebene L, et al.
Policlinico [Med] 78:165-201 contd, Jul-Aug 69 (Ita)
[Synthesis of a new radioactive sulfocolloid-Tc 99m compound for visualization of organs with colloidopexic activity] Franchi R, et al.
Radiobiol Radioter Fis Med 24:353-68, Nov-Dec 69 (Ita)
[A new method of determination of plasmatic clearance of substances labeled with a single injection technic] Mombelli L, et al.
Radiol Med (Torino) 55:1090-9, 1 Nov 69 (Ita)
[The radiotriolein test: verifications and considerations on the significance and reliability of the use of radiohalogenated triglycerides in the study of intestinal absorption of fats] Riccardi A, et al.
Radiol Med (Torino) 55:345-60, Apr 69 (Ita)
[Artificial radioisotopes in ophthalmology] Puddu P, et al.
Riv Otoneurooftalmol 44:337-430, Sep-Oct 69 (253 ref.) (Ita)
[Regional selectivity on regional cerebral blood flow study with xenon-133 clearance method] Uemura K, et al. Nippon Acta Radiol 31:307-13, Jun 71 (Jap)
[Quo vadis, medicina nuclearis?] Rootwelt K.
Tidsskr Nor Laegeforen 90:2061-6, 15 Nov 70 (Nor)
[Some problems of radioisotope diagnosis in obstetrics (review of the literature)] Kholin VV, et al.
Akush Ginekol (Mosk) 45:41-7, Sep 69 (Rus)
[Structure of functional radioisotope studies in the clinic] Tsfasman AZ.
Med Radiol (Mosk) 15:32-6, Oct 70 (Rus)

ISOLATION & PURIFICATION

Rapid separation of generator-produced gallium-68 from EDTA eluate. Cariton JE, et al.
Int J Appl Radiat Isot 22:44-5, Jan 71

METABOLISM

Methodological studies on a water-silicone oil system designed for analysis of displacements of beta-emitting radionuclides. Lyttkens L, et al.
Acta Soc Med Ups 75:91-109, 1970
Radioisotope uptake by and localization in yeasts. Kleeff BH van, et al.
Antonie van Leeuwenhoek 35:Suppl:G9-10, Jun 69
Basic studies on metabolic steady state. Linearity of a metabolic tracer system. Norwich KH, et al.
Biophysik 7:169-80, 1971
Evaluation of the dosimetry of intravenously administered 67Ga citrate from measurements of the distribution in male August-Marshall hybrid rats. Popham MG, et al. Br J Radiol 43:807-10, Nov 70
The use of the APL/360 system in pharmacology. A computer assisted analysis of efflux data. Cook DA, et al. Comput Biomed Res 4:157-66, Apr 71
Radioisotope studies in isolated perfused baboon kidneys. Schoonees R, et al.
Cryobiology 8:134-7, Apr 71
133-Xe disappearance rate from human calf muscle during venous stasis. Petersen FB.
Dan Med Bull 17:230-2, Oct 70
Isotope discrimination in steroid hydroxylations. Björkhem I. Eur J Biochem 18:299-304, 1 Feb 71
A semi-empirical model for radionuclide transport in mammals. Bonta WK. Health Phys 18:389-400, Apr 70
Availability in the dog of radionuclides in nuclear debris from the Plowshare Excavation Cabriolet. Chertok RJ, et al. Health Phys 19:405-9, Sep 70
Availability in the peccary pig of radionuclides in nuclear debris from the Plowshare Excavation Buggy. Chertok RJ, et al. Health Phys 20:313-6, Mar 71
Biological availability of radionuclides produced by the Plowshare Event Schooner. II. Retention and excretion rates in peccaries after a single oral dose of debris. Chertok RJ, et al.
Health Phys 20:325-30, Mar 71
Kinetics of lanthanum retention and tissue distribution in the Beagle dog following administration of 140 LaCl 3 by inhalation, gavage and injection. Cuddihy RG, et al. Health Phys 19:419-26, Sep 70
Comparative metabolism of radionuclides in mammals. V. Retention of 192 Ir in the mouse, rat, monkey and dog. Furchner JE, et al. Health Phys 20:375-82, Apr 71
Temperature effects on the sorption of radionuclides by freshwater algae. Harvey RS.
Health Phys 19:293-7, Aug 70
An approach to the calculation of the allowable specific activities in marine fishes. Sarma TP, et al.
Health Phys 20:23-30, Jan 71
The effects of sodium alginate on the absorption and retention of several divalent cations. Silva AJ, et al.
Health Phys 19:245-51, Aug 70
Comparative metabolism of radionuclides in mammals: a review. Stara JF, et al.
Health Phys 20:113-37, Feb 71 (201 ref.)
Initial uptake, distribution and loss of soluble 106 Ru in marine and freshwater organisms in laboratory conditions. Van Der Borght O, et al.
Health Phys 19:801-11, Dec 70
Pulmonary retention of zirconium oxide (95 Nb) in man and beagle dogs. Waligora SJ Jr.
Health Phys 20:89-91, Jan 71
Measurement of radioactivity in body organs. Report of an International Atomic Energy Agency panel.
Int J Appl Radiat Isot 22:385-98, Jul 71 (69 ref.)
The effect of potassium perchlorate on the uptake of 99mTc-pertechnetate in choroid plexus papillomas: a report of two cases. Fagan JA, et al.
J Nucl Med 12:312-4, Jun 71
Markedly increased bone blood flow in myelofibrosis. Van Dyke D, et al. J Nucl Med 12:506-12, Jul 71
[Incorporation hazards and their estimation] Möhrle G, et al. Radiologe 10:381-5, Sep 70 (Ger)
[Role of plankton in the behavior of Tc99 and Mn54 in seawater] Tikhomirov VN, et al.
Dokl Akad Nauk SSSR 194:445-7, 1970 (Rus)
[Experimental study of elimination of thorium-228 and its disintegration products from the lungs] Makeeva LG, et al. Gig Sanit 35:42-5, Nov 70 (Rus)
[Dependence of the behavior of radioactive isotopes in the organism on their physico-chemical characteristics] Dubrovina ZV, et al.
Med Radiol (Mosk) 15:41-7, Oct 70 (Rus)
[Tissue doses in the human gastrointestinal tract after entry of radioactive substances into the organism] Osanov DP. Med Radiol (Mosk) 15:40-7, Aug 70 (Rus)
[Regularities of distribution of radioactive rare-earth elements] Stepanov VS, et al.
Med Radiol (Mosk) 15:47-57, Dec 70 (44 ref.) (Rus)

STANDARDS

MPC values for 102 Rh, 102m Rh and 107 Pd. Soldat JK.
Health Phys 19:60-3, Jul 70
Standardization of cadmium-109 sources for -ray emission rate. Hutchinson JM, et al.
Int J Appl Radiat Isot 22:405-14, Jul 71
95Zr and 124Sb in 99Mo-99mTc generators. Wood DE, et al. J Nucl Med 12:307-9, Jun 71
Measuring radioactive materials. Garfinkel SB, et al.
Science 171:433-4, 5 Feb 71

THERAPEUTIC USE

Interstitial radioisotope therapy of intractable diencephalic tumors by the stereotaxic permanent implantation of iridium192, including bioptic control. Mundinger F, et al. Confin Neurol 32:195-202, 1970
Potential use of 109Pd-porphyrin complexes for selective lymphatic ablation. Fawwaz RA, et al.
J Nucl Med 12:231-6, May 71
[Radiotherapy in the treatment of leukemias] Scutellari PN, et al.
Arcisp S Anna Ferrara 22:739-54, 1969 (Ita)
[Prevention of radiation risks in hospitals. I. Radioactive isotopes: characteristics and problems of protection] Dall'Acqua GF, et al.
Ig Mod 62:651-64, 1969 (Ita)
[Therapeutic uses of radium studied from the physical and technical points of view] Camuffo D, et al.
Quad Radiol 35:163-94, 26 Oct 69 (Ita)
[Radiotherapy and chemotherapy of peritoneal carcinosis of ovarian origin] Rimondi C, et al.
Radiobiol Radioter Fis Med 24:339-51, Sep-Oct 69 (Ita)
[Quo vadis, medicina nuclearis?] Rootwelt K.
Tidsskr Nor Laegeforen 90:2061-6, 15 Nov 70 (Nor)

TOXICITY

[Toxicology of products of a nuclear explosion (brief review of the literature)] Il'in VG.
Veterinariia 11:79-81, Nov 70 (Rus)

RADIOLOGY (G2)

Remarks on the theory of energy deposition in cavities. Spencer LV.
Acta Radiol [Ther] (Stockh) 10:1-20, Feb 71
The emergence of radiology as a major influence in American medicine. Caldwell Lecture, 1970. Morgan RH.
Am J Roentgenol Radium Ther Nucl Med 111:449-62, Mar 71
The President's address. Roach JF.
Am J Roentgenol Radium Ther Nucl Med 110:673-4, Dec 70
Computers and radiologic practice. Sherman RS.
Am J Roentgenol Radium Ther Nucl Med 110:639-43, Nov 70
The American Journal of Roentgenology Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:201, May 71
The American Journal of Roentgenology, Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:411, Jun 71
Directories of American Roentgen Ray Society and American Radium Society.
Am J Roentgenol Radium Ther Nucl Med 110:417, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The American Journal of Roentgenology Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:818, Aug 71
A study of radiology departments. 1. Radiology departments: speed operation. 2. Radiology services: operational efficiency. McEwin R.
Australas Radiol 15:67-76, Feb 71
Report of the Eighteenth Baker Fellow. Porter AJ.
Australas Radiol 14:139-52, May 70
Radiology and occupational health. Introductory Address to 30th Annual Congress of B.I.R. Duncan KP.
Br J Radiol 44:161-5, Mar 71
Report of the ICRU to the International Executive Committee of the XIIth International Congress of Radiology--Tokyo, 1969. Ney WR.
Health Phys 19:825-30, Dec 70
Pediatric radiology: yes or no? Bose SK.
Indian Pediatr 7:529-31, Oct 70
Basic radiology. A world wide challenge. Chamberlain RH. JAMA 214:1687-92, 30 Nov 70
Pattern recognition for radiographers. Stabler J, et al.
Lancet 1:756-7, 10 Apr 71
Radiology fees. Oxenham B. Med J Aust 1:932, 24 Apr 71
Medical testimony in an industrial traumatic neurosis case, showing the direct and cross-examinations of the plaintiff's osteopathic physician, and the defendant's neuropsychiatrist, orthopedic surgeon, and radiologist. II. Med Trial Tech Q 17:221-64, Dec 70
Energy deposition distributions. Roesch WC, et al.
Radiat Res 45:1-7, Jan 71
The use of SI units in radiological departments. Goss EO. Radiography 37:17-8, Jan 71
Radiological department at Copenhagen county hospital in Glostrup. Harrestrup H.
Radiography 36:254-8, Oct 70
Department of diagnostic radiology, St. Jame's Hospital, Leeds. Wetherall N.
Radiography 36:303-9, Dec 70
Some experience with the coding and filing of radiological findings. Herder-Kroon B den.
Radiol Clin Biol 39:463-75, 1970
he radiologist and the orthopedist. Cimmino CV.
Radiology 97:690-1, Dec 70
The Radiation Control for Health and Safety Act of 1968. A radiologist's point of view. Friedell HL.
Radiology 99:584-8, Jun 71
The practice of radiology in 1970. Hodgson JR.
Radiology 99:199-202, Apr 71
Reynold F. Brown, A.B., M.D. President, Radiological Society of North America. (Brown RF), Margulis AR.
Radiology 98:451-2, Feb 71
Why the 1968 Act for Radiation Control for Health and Safety is required. Morgan KZ.
Radiology 99:570-9, Jun 71
The Radiation Control for Health and Safety Act of 1968. Its impact on the radiologist and the States. Neel JN. Radiology 99:580-3, Jun 71
Radiation Registry of Physicians. Silverman C, et al.
Radiology 99:559-68, Jun 71
[The growth of radiology] Leroux G.
J Belge Radiol 51:I-XII, 1968 (Fre)
[Contribution of radiology to legal medicine] Authier R, et al. Laval Med 40:1017-21, Dec 69 (Fre)
[Information in radiology] Collard M.
Radiol Clin Biol 39:445-62, 1970 (Fre)
[The principal directions of the scientific activity in the Radiological Clinic of Jassy during the past 20 years] Chişleag G.
Rev Med Chir Soc Med Nat Iasi 74:1075-7, Oct-Dec 70 (Fre)
[Organization and rationalization of larger radiologic institutes using an electronically controlled cassette and record conveyor] Ross E.
Fortschr Geb Roentgenstr Nuklearmed 115:107-17, Jul 71 (Ger)
[Report on the IAEA-symposium "In vitro procedures with radioisotopes in clinical medicine and research"]
Radiol Diagn (Berl) 11:265-8, 1970 (Ger)
[Report on the scientific program of the 12th International Radiological Congress] Gerhardt P.
Roentgenpraxis 23:1-5, Jan 70 (Ger)
[Use in radiology of a desk electronic computer] Oliva L, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1307-11, 1968 (Ita)
[Insurance of the radiologists] Di Paolo R, et al.
Folia Med (Napoli) 53:41-50, Feb-Mar 70 (Ita)
[Organization of the medical physics department. Collaboration between physicist and radiologist] Fava G. Minerva Med 61:4447-51, 6 Oct 70 (Ita)
[Radiologic protection in a general hospital] Garavaglia C. Minerva Med 61:4464-8, 6 Oct 70 (Ita)
[Vigilance of public administration on radiolog and nuclear medicine departments of the hospitals of the Province of Milan] Molese V, et al.
Minerva Med 61:4457-61, 6 Oct 70 (Ita)
[Some aspects of Italian legislation with regard to the organization of radiology and nuclear medicine departments in hospitals] Polvani GM.
Minerva Med 61:4452-6, 6 Oct 70 (Ita)
[Figure, nature and tasks of radiology in a hospital] Ratti A. Minerva Med 61:4391-6, 6 Oct 70 (Ita)
[Computer program for radiology department] Madssen F, et al. Nord Med 84:1632, 17 Dec 70 (Nor)
[State and development perspectives in the USSR of the problem "Scientific bases of medical radiology and roentgenology"] Zedgenidze GA.
Med Radiol (Mosk) 15:3-11, Nov 70 (Rus)
[Recent advances in radiology. I. Introduction] Cabrera O. Gac Med Mex 98:421-3, May 66 (Spa)
[Recent advances in radiology. IX.] Falomir JM.
Gac Med Mex 98:459-60, May 66 (Spa)
[News in radiology] Martinčić N.
Vojnosanit Pregl 28:95, Feb 71 (Cro)

EDUCATION

A teaching carrel for use in radiology. Doust B, et al.
Am J Roentgenol Radium Ther Nucl Med 111:712-5, Apr 71
Pediatric radiology--present status and future needs. Girdany BR.
Am J Roentgenol Radium Ther Nucl Med 112:202-3, May 71
Undergraduate radiological anatomy. Chambers CH.
Australas Radiol 14:373-7, Nov 70
Whither training in the radiological sciences?
Australas Radiol 14:229-30, Aug 70
University curriculums AND FELLOWSHIPS IN RADIOLOGICAL HEALTH.
Environ Health Ser [Radiol Health] 1-86, 1970
Two British MSc courses in radiation protection. Brown B, et al. Health Phys 20:649-50, Jun 71
A new 2-yr part time modular MSc course in health physics at the University of Salford. Brown B.
Health Phys 20:663-5, Jun 71
An academic nonradiologist looks at the academic radiologist. Lawrason FD.
Invest Radiol 5:364-7, Sep-Oct 70
"Special Track" for training academic radiologists? Steckel RJ. Invest Radiol 5:264-5, Jul-Aug 70
Teaching radiology to medical students. Schreiber MH.
J Med Educ 46:169-71, Feb 71
Spelling out the Factories Act. An educational exhibition. Chesney DN. Radiography 37:16-7, Jan 71
Continuous assessment in radiography training in the Royal Navy. McNeill AN. Radiography 37:113-5, May 71
A new school of radiography at Bradford. Naylor E.
Radiography 36:280-3, Nov 70
On the art of presenting films at conferences. Squire LF. Radiol Clin North Am 9:149-58, Apr 71
Successful teaching of radiology to medical students and interns. With emphasis on third and fourth-year programs. Freimanis AK. Radiology 97:669-80, Dec 70
The scientific exhibit in radiology. James AE Jr, et al.
Radiology 98:461-3, Feb 71
Computer-assisted instruction in the radiological sciences using a desk-top computer. Patton DD.
Radiology 100:553-9, Sep 71
A view box with a remote-control panel changer as a teaching device. Schwarz GS.
Radiology 97:657-9, Dec 70
[Experience in teaching radiology with individual instruction of students] Gezin AV, et al.
Med Radiol (Mosk) 15:53-6, Sep 70 (Rus)
[Methodologic recommendations concerning the organization of training physicians in the subject "radiation injury"] Gus'kova AK.
Med Radiol (Mosk) 15:21-4, Dec 70 (Rus)
[Use of visual aids in lectures and practical training in the department of roentgenology and radiology] Zakharov BI.
Zdravookhr Ross Fed 15:28-30, Jun 71 (Rus)
[Education of specialists in diagnostic radiology in Sweden and the USA] Greitz T.
Lakartidningen 68:3082-3, 30 Jun 71 (Swe)
[Specialist training in radiology in the USA] Riddervold HO.
Lakartidningen 68:1436-7, 24 Mar 71 (Swe)

HISTORY

Introduction of Caldwell Lecturer, 1970. (Morgan RH), Moseley RD Jr.
Am J Roentgenol Radium Ther Nucl Med 111:447-8, Mar 71
Herbert Milton Stauffer, M.D. 1914-1970. (Stauffer HM), Murtagh F.
Am J Roentgenol Radium Ther Nucl Med 111:640-1, Mar 71
Professor Robert Thoraeus 1895-1970. (Thoraeus R), Walstam R.
Am J Roentgenol Radium Ther Nucl Med 111:422-3, Feb 71
The sole meeting of Pierre Curie and Ernest Rutherford. (Curie P), (Rutherford E), Riley JF.
Lancet 2:1076-7, 21 Nov 70
The growth of radiology as a major discipline in American medicine. Morgan RH.
Proc Inst Med Chic 28:255-66, Jan 71
The Society and x-ray protection. Ardran GM.
Radiography 37:157-65, Jul 71
Exhibition at the Science Museum. Skinner M.
Radiography 37:190-1, Aug 71
What Katy did. (Clark K), Vaughan FM.
Radiography 37:214-22, Sep 71
Dedication of "Radiologic Clinics of North America" to Laurence L. Robbins. (Robbins LL), Janower ML.
Radiol Clin North Am 9:1-3, Apr 71
Wilhelm Conrad Röntgen and his "new kind of rays". (Röntgen WC), Hoffstaedt EG. Triangle 9:271-2, 1970
Early radiology in Wisconsin. Habbe JE.
Wis Med J 70:34, Feb 71
[From the history of roentgenology] Schneider GH.
Dtsch Med J 20:282-6, 1969 (Ger)
[In memory of Prof Ernst Georg Mayer] (Mayer EG), Psenner L.
Fortschr Geb Roentgenstr Nuklearmed 112:418-9, Mar 70 (Ger)
[Eponyms and syndromes named after German speaking and foreign radiologists] Kraus R, et al.
Med Welt 25:1133-9, 20 Jun 70 (Ger)
[Physics of x-rays. Retrospective and prospective study] Gudden F.
Roentgenpraxis 23:245-52, Nov 70 (Ger)
[Evolution of the x-ray tube] Oosterkamp WJ.
Roentgenpraxis 23:252-60, Nov 70 (Ger)
[Coolidge's personal encounter with W.C. Röntgen] (Coolidge WD), (Roentgen WC), Streller E.
Roentgenpraxis 23:272-4, Nov 70 (Ger)
[75 years of x-rays] (Röntgen WC), Becker J.
Strahlentherapie 140:465-7, Nov 70 (Ger)
[Heinz Lossen (4 March 1893 to 14 April 1967)] (Lossen H), Froboese G.
Verh Dtsch Ges Pathol 54:621-5, 1970 (Ger)
[The evolution of radiology] Biolcati-Rinaldi A.
Arcisp S Anna Ferrara 22:725-37, 1969 (Ita)
[In memory of Antonio Lurà] (Lurà A), Bollini V.
Bull Sci Med (Bologna) 142:225-33, Jul-Sep 70 (Ita)
[Marino Lapenna, 1900-1970] (Lapenna M), Cucchini F.
Quad Radiol 35:3 passim, Jan-Feb 70 (Ita)
[50 years of development of academic radiology in Poznań (1921-1971)] Wójtowicz J.
Pol Przegl Radiol 35:103-7, 1971 (Pol)
[Opening of the 25th All-Polish Congress of Radiologists at Lódź, 14-16 May 1970] Zawadowski W.
Pol Przegl Radiol 34:609-18, Sep-Oct 70 (Pol)
[Award winners of the Polish Medical Radiological Association in 1969-1970] (Kozlowski P), (Rajszys R), (Billewicz O), Zawadowski W.
Pol Przegl Radiol 34:701-2, Sep-Oct 70 (Pol)
[Manuel de Abreu. Scientist and philosopher] (Abreu M), Gomes R. Arq Bras Med 54:160-1, Apr-Jun 67 (Por)

INSTRUMENTATION

Computers in radiology at Massachusetts General Hospital. Pendergrass HP, et al.
Radiol Clin North Am 9:141-8, Apr 71 (36 ref.)
[Characteristics of the linear accelerator at Hiroshima University] Takeshita K, et al.
Nippon Acta Radiol 30:687-97, Nov 70 (Jap)

MANPOWER

A comparative study of radiologist's time utilization in various reporting systems. Thornbury JR.
Am J Roentgenol Radium Ther Nucl Med 111:463-6, Mar 71
Status of radiology in Britain. Steiner RE.
Br Med J 3:480-1, Aug 71
Radiological training and staffing in the Birmingham region and elsewhere. Whitfield AG, et al.
Br Med J 2:514-5, 29 May 71
Physician's assistants in radiology. Willis PD.
J Fla Med Assoc 58:36-7, Sep 71
The growth of radiology as a major discipline in American medicine. Morgan RH.
Proc Inst Med Chic 28:255-66, Jan 71
[Classification of X-ray screening and evaluation of radiologist's efficiency by electronic data processing] Brekkan A. Nord Med 84:1633, 17 Dec 70 (Nor)

RADIOMETRY (E1)

Investigation on a method measuring low energy x-ray doses with energy-dependent film dosemeter (short communication). Bojtor I, et al.
Acta Biochim Biophys Acad Sci Hung 5:109-11, 1970
Physical conditions and dosimetry problems of experimental irradiations in radiobiology (short communication). Koczkás G, et al.
Acta Biochim Biophys Acad Sci Hung 5:113-5, 1970
32P-labelling of chromium complexes. Anghileri LJ.
Acta Isot (Padova) 10:131-8, 15 Dec 69
Retention of orally administered 47-calcium in man under normal and diseased conditions studied with a whole-body counter technique. Sjöberg HE.
Acta Med Scand [Suppl] 509:Suppl 509:1+, 1970
Computer processing of cerebral scintillation camera studies. Silfverskiöld BP, et al.
Acta Neurol Scand 47:209-26, 1971
A new laboratory for whole-body counting. Lindell B, et al. Acta Radiol [Diagn] (Stockh) Suppl 254:135-, 1966
Intercomparisons of absorbed dose determinations in 10 to 35 MeV electron radiation. Svensson H, et al.
Acta Radiol [Ther] (Stockh) 10:56-64, Feb 71
Determination of radon daughters on filters by a simple liquid scintillation technique. Rolle R.
Am Ind Hyg Assoc J 31:718-21, Nov-Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Practical aspects of betatron electron beam dosimetry. Jacobson A, et al. Am J Roentgenol Radium Ther Nucl Med 111:607-12, Mar 71

Technetium calibration: an inherent error using scintillation crystals. Nusynowitz ML, et al. Am J Roentgenol Radium Ther Nucl Med 112:715-9, Aug 71

Manometric determination of CO2 combined with scintillation counting of C-14. Aronson RB, et al. Anal Biochem 41:173-88, May 71

Optimal conditions for counting of precipitated 3H-RNA on glass-fiber filters. Birnboim HC. Anal Biochem 37:178-82, Sep 70

Liquid scintillation counting of (3H) and (14C) on solid supports: a warning. Bransome ED Jr, et al. Anal Biochem 38:401-8, Dec 70

A simple method for counting 14C- and 3H-proteins in polyacrylamide gels. Heilleiner CW, et al. Anal Biochem 39:333-8, Feb 71

Liquid scintillation counting of 3H and 32P RNA in slices of polyacrylamide gels. Hellung-Larsen P. Anal Biochem 39:454-61, Feb 71

Rapid processing and counting technique for radioactive materials in polyacrylamide gels. Leon SA, et al. Anal Biochem 42:54-8, Jul 71

Evaluation of different scintillation cocktails for counting of tritiated ribonucleic acid separated by sucrose gradient centrifugation. McDowell RE, et al. Anal Biochem 41:338-43, Jun 71

Comparative studies of liquid scintillation counting of aqueous 14C samples. Mostafa IY, et al. Anal Biochem 38:238-43, Jul 70

Liquid scintillation counting of RNA: a simple procedure for extraction from sucrose gradients. Paus PN. Anal Biochem 38:364-73, Dec 70

Rapid procedure for liquid scintillation counting of animal tissues using a nitric acid digestion procedure and a dioxane-based scintillator. Pfeffer M, et al. Anal Biochem 39:46-53, Jan 71

An improved toluene-base scintillator for estimating radioactivity in aqueous samples. Shamoo AE. Anal Biochem 39:311-8, Feb 71

Methods for fractionation and scintillation counting of radioisotope-labeled polyacrylamide gels. Ward S, et al. Anal Biochem 38:90-7, Nov 70

Paper disc estimation of radioactive RNA: studies on the presence and elimination of metabolically generated artifacts from labeled purine and pyrimidine precursors. Yu FL, et al. Anal Biochem 39:319-21, Feb 71

Brain uptake of selenomethionine Se 75. II. Reduced brain uptake of selenomethionine Se 75 in phenylketonuria. Oldendorf WH, et al. Arch Neurol 24:524-8, Jun 71

A review of the physical data used in radium and radon dosimetry. Sofer DH. Australas Radiol 14:443-50, Nov 70

Liquid-scintillation-spectrometer data processing by desk-top computer. Williams MA, et al. Biochem J 118:379-84, Jul 70

Follow-up thyroid carcinoma by whole-body counting. Edmonds CJ, et al. Br J Radiol 43:868-75, Dec 70

Spleen blood flow. Goddard BA. Br J Radiol 44:404, May 71

Differences in survival of jejunal crypt cells after radiation delivered at different dose-rates. Hornsey S. Br J Radiol 43:802-6, Nov 70

Processing of data from whole-body radiation counter on-line to a small digital computer. Marshall DH, et al. Br J Radiol 44:77, Jan 71

Programming techniques for automatic sample changers. Newman GB. Br J Radiol 44:77, Jan 71

Evaluation of the dosimetry of intravenously administered 67Ga citrate from measurements of the distribution in male August-Marshall hybrid rats. Popham MG, et al. Br J Radiol 43:807-10, Nov 70

The effect of diagnostic X-ray tube waveforms on the performance of a film penetrameter. Reekie D, et al. Br J Radiol 44:535-9, Jul 71

Liver blood flow measurements using radioactive colloids. Tothill P, et al. Br J Radiol 44:403, May 71

Modification of a simple desk top computer to provide an automatic data processing device for use in radioisotope studies. Warner GT. Br J Radiol 44:157-9, Feb 71

The measurement of bone mineral in vivo by photon beam scanning. West RR, et al. Br J Radiol 43:886-93, Dec 70

A superior counting solution for water-soluble tritiated compounds. Carter GW, et al. Clin Chem 17:576-80, Jul 71

Automated calculation of carbon-14 and sulfur-35 radioactivity in biological samples by external standardization and a computer program. Figdor SK. Comput Biomed Res 3:201-11, Jun 70

Ovarian radiation dosage during hysterosalpingography. Shirley RL. Fertil Steril 22:83-5, Feb 71

The use of "Cherenkov inserts" for counting high energy beta and gamma contamination samples. Ballance PE, et al. Health Phys 20:447-9, Apr 71

The use of "Cherenkov inserts" for counting high energy and contamination samples. Ballance PE, et al. Health Phys 20:447-8, Apr 71

The equivalent energy of 2 and 3 kVp x-rays. Barber DE. Health Phys 19:580-2, Oct 70

Dose commitment. 1. Barry PJ. Health Phys 20:451, Apr 71

Dose commitment. Barry PJ, et al. Health Phys 20:451-2, Apr 71

Estimation of gonadal absorbed dose due to environmental gamma radiation. Bennett BG. Health Phys 19:757-67, Dec 70

Dosimetric examinations of scattered gamma radiations. Bozóky L. Health Phys 20:467-73, May 71

Reply to comment on "effective transmission of the human thorax for photons from 239 Pu, 241 Am, and other low-energy emitters". Bukovitz AG, et al. Health Phys 19:585, Oct 70

Rapid estimation of 241 Am content in plutonium. DelPizzo RG, et al. Health Phys 18:725-7, Jun 70

On neutron dosimetry by semiconductor detectors and hydrogenous radiator assembly. Deme S. Health Phys 18:705-10, Jun 70

Average particle energy in beta decay. Dillman LT. Health Phys 19:385-9, Sep 70

Radiation dose distribution in lungs of thorotrast patients. Grillmaier R, et al. Health Phys 20:409-19, Apr 71

Dosage-depth relationship for a collimated 90 Sr- 90 Y beam. Grossenbacher KA, et al. Health Phys 19:23-6, Jul 70

Development properties of fission fragments tracks in natural mica. Hassib GM, et al. Health Phys 19:325-6, Aug 70

Sensitive automatic counting of alpha particle tracks in polymers and its applications in dosimetry. Johnson DR, et al. Health Phys 18:424-7, Apr 70

Neutron dose, dose equivalent and linear energy transfer from 252Cf sources. Jones TD, et al. Health Phys 20:253-6, Mar 71

Size determination of airborne plutonium particles by autoscintigraphy. Kelkar DN, et al. Health Phys 19:529-33, Oct 70

Effects of temperature on cobalt glass dosimeters. Lee PK, et al. Health Phys 18:673-80, Jun 70

Exposure rates from diagnostic x-ray units. McCullough EC, et al. Health Phys 20:443-4, Apr 71

Results of the whole-body counting of patients with known amount of injected thorotrast. Maldtová I, et al. Health Phys 18:431-2, Apr 70

An 1251 thyroid uptake system. Mantel J, et al. Health Phys 18:569-70, May 70

Attenuation of 4-32 MV x-rays in ordinary concrete, heavy concrete, iron and lead. Maruyama T, et al. Health Phys 20:277-84, Mar 71

Report of the ICRU to the International Executive Committee of the XIIth International Congress of Radiology--Tokyo, 1969. Ney WR. Health Phys 19:825-30, Dec 70

Specific gamma-ray constant and gamma spectrum of 182Ta. Ninković M, et al. Health Phys 20:215-9, Feb 71

On the -ray dose at the interface between two media. O'Brien K. Health Phys 19:451, Sep 70

Navy adopts Kodak Type 3 film for centralized photodosimetry program. Odor DL, et al. Health Phys 19:690-1, Nov 70

Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials. Osanov DP, et al. Health Phys 20:559-66, Jun 71

Some aspects of dosimetry in miniature swine chronically ingesting 90 Sr. Palmer RF, et al. Health Phys 19:775-83, Dec 70

Effect of absorbers on alpha spectral measurements. Peshori LH, et al. Health Phys 18:685-91, Jun 70

Dosimetry of proton radiation fields in space with nuclear emulsions. Schaefer HJ, et al. Health Phys 19:663-70, Nov 70

Dose commitment. 2. Schlien B. Health Phys 20:451-2, Apr 71

An experimental measurement of the high energy gamma rays produced by the slowing down of 14 MeV neutrons in air. Thorngate JH. Health Phys 18:339-45, Apr 70

Dosimetry using optical density changes in LiF. Vaughan WJ, et al. Health Phys 18:575-80, May 70

The relationship between encapsulation and apparent fast neutron-induced fading in TLD. Wallace RH, et al. Health Phys 20:221-4, Feb 71

A new technique for reactor siting dose calculations. Willis CA, et al. Health Phys 19:47-54, Jul 70

Free-nucleon target model applied to penetration and dose calculations for 300 and 400 MeV protons and neutrons. Wright HA, et al. Health Phys 18:711-20, Jun 70

Geometrical factors in partial body in vivo activation analysis using epithermal and fast neutrons. Boddy K, et al. Int J Appl Radiat Isot 21:500-3, Aug 70

Difficulties in measuring the tritium-activity of tissue homogenates by the new scintillator Insta-Gel. Bohne F. Int J Appl Radiat Isot 22:384, Jun 71

On the tracer method for 14 C calibration. Bowes GC, et al. Int J Appl Radiat Isot 22:431-4, Jul 71

The use of carbon-14 as a secondary counting standard for sulphur-35. Buckley JP. Int J Appl Radiat Isot 22:41-2, Jan 71

The use of Triton X-100 in the liquid scintillation counting of carbon-14 with particular reference to plasma and urine. Chapman DI, et al. Int J Appl Radiat Isot 22:371-7, Jun 71

Interference of tissue solubilizers with liquid scintillation counting fluors. Dunn A. Int J Appl Radiat Isot 22:212, Mar 71

A 4-pi liquid-scintillation whole-body counter. II. Coincidence counting studies. Grunewald R, et al. Int J Appl Radiat Isot 21:703-9, Dec 70

Standardization of cadmium-109 sources for -ray emission rate. Hutchinson JM, et al. Int J Appl Radiat Isot 22:405-14, Jul 71

Polyethoxylated nonionic surfactants in toluene for liquid scintillation counting of tritium in aqueous samples. Lupica SB. Int J Appl Radiat Isot 21:487-90, Aug 70

The use of neptunium-235 for the calibration of plutonium lung counters. McConnon D. Int J Appl Radiat Isot 21:744-7, Dec 70

Liquid scintillation counting of 14CO2 in a toluene-triton X-100 system. Murray J. Int J Appl Radiat Isot 22:209-12, Mar 71

The simultaneous measurement of 51Cr and 14C by liquid scintillation counting. Sheppard G, et al. Int J Appl Radiat Isot 22:125-7, Feb 71

Effect of the beta spectrum on self-absorption of beta radiation from 14C. Wood KG. Int J Appl Radiat Isot 21:581-6, Oct 70

Measurement of radioactivity in body organs. Report of an International Atomic Energy Agency panel. Int J Appl Radiat Isot 22:385-96, Jul 71 (69 ref.)

Some unexpected dosimetric problems in an apparatus for mammalian radiobiology. Moore J, et al. Int J Radiat Biol 18:287-9, 1970

CaSO4-Mn dosimetry in dental x-ray diagnosis. Eggermont G, et al. J Belge Radiol 53:212-9, 1970

Development of chromosome studies in relation to the dosimetry of acute and chronic radiation exposure. McLean AS. J Belge Radiol 53:387-96, Sep-Oct 70

The effect of counting geometry on the significance of myocardial blood flow measurements by the injection method. Maseri A, et al. J Nucl Biol Med 13:140-7, Oct-Dec 69

Enhanced scintigraphic information display using computer-generated ratio techniques. Bell RL, et al. J Nucl Med 11:655-9, Nov 70

Spinal cord dosimetry in 131-I-IHSA cisternography. Harbert JC, et al. J Nucl Med 11:534-41, Sep 70

Compiled table of absorbed dose values. Hidalgo JU, et al. J Nucl Med 11:768, Dec 70

Results of thyroid and whole-body counting of some medical and paramedical personnel. Shielen B, et al. J Nucl Med 12:523-5, Jul 71

Liquid scintillation counting of 113mIn conversion electrons in the presence of 3H and 14C. Sisson WB, et al. J Nucl Med 11:749-52, Dec 70

Specific gamma-ray and equilibrium absorbed-dose constants for barium-135m. Syed IB, et al. J Nucl Med 12:630-1, Sep 71

Scintillation cameras based on new position arithmetics. Tanaka E, et al. J Nucl Med 11:542-7, Sep 70

Myocardial uptake studies with 129Cs and the scintillation camera. Yano Y, et al. J Nucl Med 11:663-8, Nov 70

Interference of chemoluminescence with (3 H)scintillation counting. Forrest IS, et al. J Pharm Pharmacol 23:705-7, Sep 71

Portable profile scanning apparatus for detection of deep venous thrombosis in the leg. Pai BY, et al. Lancet 1:893-4, 1 May 71

Form and function of the lymphocyte as a radiation disimeter and an indicator of immunosuppression. Barnes CA, et al. Med J Aust 1:369-72, 13 Feb 71

Computer and thermoluminescent dosimetry studies in the moving strip. Wallace JM. Minerva Pediatr 67:735-7, Oct 70

Simple liquid scintillation counting of tritium incorporated in mouse bone marrow. Heiniger HJ, et al. Naturwissenschaften 57:674, Dec 70

Calculation of dose distributions in radiation therapy by a digital computer. 3. Computation of dose distributions in variously shaped fields. Onai Y, et al. Nippon Acta Radiol 30:718-29, Nov 70

Simple method for determining the concentration of serum thyroxine by competitive displacement analysis. Bínos C, et al. Nucl Med (Stuttg) 9:341-9, 31 Dec 70

The distribution of 65Zn in the endochondral growth sites of the mandibular condyle and the proximal end of the tibia in young rats. An autoradiographic and gamma scintillation study. Bergman B. Odontol Revy 21:261-74, 1970

Head and neck exposures from Panoramix roentgenography. McMahon JJ. Oral Surg 31:122-32, Jan 71

The use of ferrous sulphate for dosimetry by post. Ahmed SA, et al. Phys Med Biol 15:311-8, Apr 70

The energy response of LiF, CaF2, and Li2B4O7: Mn to high energy radiations. Almond PR, et al. Phys Med Biol 15:335-42, Apr 70

Energy calibration points for clinical electron

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

accelerators. Anderson DW, et al. Phys Med Biol 15:349-54, Apr 70
Estimation of the standard error of retention in whole-body counter studies and its releyance to counter design. Anderson JA, et al. Phys Med Biol 15:281-7, Apr 70
Comparison of tissue-equvalent ionization chambers and silicon diodes for measuring fast neutron dose. Batchelor AL. Phys Med Biol 16:451-9, Jul 71
The calculation of collimator penetration effects. Bell TK, et al. Phys Med Biol 16:331-3, Apr 71
Penetration factors for point gamma ray sources off the axis of cylindrical hole collimators. Bell TK, et al. Phys Med Biol 16:152, Jan 71
A new three-gate method for measuring 51Cr in the presence of 59Fe in sources in a scattering medium. Bell TK, et al. Phys Med Biol 15:475-82, Jul 70
Measurement of total body potassium with a shadow shield whole-body counter: calibration and errors. Boddy K, et al. Phys Med Biol 16:275-82, Apr 71
Errors in ferrous sulphate dosimetry. Broszkiewicz RK, et al. Phys Med Biol 15:549-56, Jul 70
Neutron radiography and dosimetry in human bengs: theoretical studies. Budinger TF, et al. Phys Med Biol 16:439-50, Jul 71
A unified approach to dosimetry problems in radiological protection. Burlin TE, et al. Phys Med Biol 16:47-56, Jan 71
The energy response of LiF, CaF2 and Li2B4O7 to high energy radiations. Burlin TE. Phys Med Biol 15:558-61, Jul 70
Mixed radiation dosimetry with LiF (TLD-100). Busuoli G, et al. Phys Med Biol 15:673-81, Oct 70
Fading of radiation-induced optical density in polymethylmethacrylate on oxygen diffusion. Chadwick KH, et al. Phys Med Biol 15:743-4, Oct 70
The use of "effective" energy to calculate absorbed dose. Cowdrey EJ, et al. Phys Med Biol 15:541-7, Jul 70
The effect of spectrophotometry error on the accuracy of the perspex H.X. megarad dosemeter. Crookall JO, et al. Phys Med Biol 15:319-24, Apr 70
Distribution of the dose from neutrons in a thin sample of wet tissue as a function of linear energy transfer (LET). Dousset MH, et al. Phys Med Biol 16:467-78, Jul 71
A comparison of methods for the determination of iron absorption using a whole-body counter. Dymock IW, et al. Phys Med Biol 16:269-72, Apr 71
A defence of the use of the concept C-lambda for the determination of high energy photon dose. Greene D, et al. Phys Med Biol 16:319-28, Apr 71
Scatter corrections in bounded media for the doses from internally emitted gamma rays. Hubbard LB, et al. Phys Med Biol 16:35-46, Jan 71
The response of thermoluminescent dosimetric lithium borates equivalent to air, water and soft tissue and of LiF TLD-100 to low energy x-rays. Jayachandran CA. Phys Med Biol 15:325-34, Apr 70
Variation of response of the FeSO4 dosemeter with temperature of the solution during irradiation. Law J. Phys Med Biol 15:741-2, Oct 70
The consistency of FeSO4 dosimetry. Law J. Phys Med Biol 15:301-9, Apr 70
A simple method of measuring radiation dose in the megarad range using low-density polyethylene film. Mehringer W. Phys Med Biol 16:311-8, Apr 71
The effects of small doses of ionizing radiation. Rossi HH. Phys Med Biol 15:255-62, Apr 70
The dosimetric use of beryllium oxide as a thermoluminescent material: a preliminary study. Scarpa G. Phys Med Biol 15:667-72, Oct 70
Spectrophotometric measurement of ferric ion concentration in the ferrous sulphate (Fricke) dosemeter. Scharf K. Phys Med Biol 16:77-86, Jan 71
Studies on three-dimensional scintigraphy with gamma-gamma-coincidences. Schmitz-Feuerhake I. Phys Med Biol 15:649-56, Oct 70
Values of C lambda for polystyrene and lucite. Schulz RJ. Phys Med Biol 15:563-5, Jul 70
The calculation of collimator penetration effects. Simons HA. Phys Med Biol 16:329-31, Apr 71
The attenuation of x-radiation generated at constant potentials sufficient to excite K-radiation in a tungsten target. Soole BW. Phys Med Biol 16:427-37, Jul 71
Approaches to optimal data processing radioisotope imaging. Tanaka E, et al. Phys Med Biol 15:683-94, Oct 70
Dosimetry for a biological irradiation facility at a thermal reactor. Zarand P, et al. Phys Med Biol 16:479-88, Jul 71
Energy dissipation near an interface: a more realistic approach to electron range and stopping power. Charlton DE. Radiat Res 44:575-93, Dec 70
Effects of dose, dose rate, and trace impurities on n-hexadecane radiolysis. Falconer WE, et al. Radiat Res 47:41-50, Jul 71
Analysis of dose-rate dependence of radiation injury. Fang PH. Radiat Res 44:1-3, Oct 70
Gamma-ray dose distributions in externally irradiated cylinders. Hubbard LB. Radiat Res 44:4-12, Oct 70
Dose-distribution measurement of high-intensity pulsed radiation by means of holographic interferometry. Hussmann EK, et al. Radiat Res 47:1-14, Jul 71
RBE and the primary mechanism of radiation action. Kellerer AM, et al. Radiat Res 47:15-34, Jul 71
Considerations on the random traversal of convex bodies and solutions for general cylinders. Kellerer AM. Radiat Res 47:359-76, Aug 71
An assessment of wall effects in microdosimetric measurements. Kellerer AM. Radiat Res 47:377-86, Aug 71
On the estimation of survival curve parameters for the cells of organized tissues in vivo from split dose data. Lange CS. Radiat Res 44:390-403, Nov 70
Preparation of glucose labeled with 20-minute half-lived carbon-11. Lifton JF, et al. Radiat Res 45:35-40, Jan 71
Dose dependence of the transfer of radiation-induced free radicals from DNA to cysteamine. Milvy P. Radiat Res 47:83-93, Jul 71
Extracorporeal irradiation of blood by beta-emitting isotopes: principles of dose calculations. Siatkin DN, et al. Radiat Res 44:846-54, Dec 70
Counter telescope measurements of a beam of negative pi mesons. Tisljar-Lentulis GM, et al. Radiat Res 46:16-27, Apr 71
Low dose ferrous sulfate dosimetry by direct photon counting. Waggener RG, et al. Radiat Res 45:244-51, Feb 71
Dose and LET distributions in small-animal sized cylinders for a fission neutron spectrum. Willhoit DG, et al. Radiat Res 44:263-72, Nov 70
The absolute dosimetry of high intensity, 600 kV pulsed electron accelerator used for radiation chemistry studies of gaseous samples. Willis C, et al. Radiat Res 46:428-43, Jun 71
Solid state thermoluminescent dosimetry. Salton DG. Radiography 37:53-7, Mar 71
Estimates of potential doses to various organs from X-radiation emissions from color television picture tubes. Neill RH, et al. Radiol Health Data Rep 12:1-6, Jan 71
Environmental survey of uranium mill tailings pile, Mexican Hat, Utah. Snelling RN. Radiol Health Data Rep 12:17-28, Jan 71
Dose distribution for single- and three-phase x-ray equipment. Barone GJ, et al. Radiology 100:663-9, Sep 71
Radiation dosimetry in full-chest tomography. Buchignani JS, et al. Radiology 99:175-6, Apr 71
A dose-reducing fluoroscopy system. Dose measurements and clinical evaluation. Dorph S, et al. Radiology 97:399-403, Nov 70
Evaluation of roentgen eosure in mammography. II. Four views. Gilbertson JD, et al. Radiology 97:641-8, Dec 70
Calculation of the dose distribution about californium-252 needles in tissue. Krishaswamy V. Radiology 98:155-60, Jan 71
A digital search method for computing isodose curves. Rozenfeld M. Radiology 98:181-2, Jan 71
Evaluation of physician exposure during cardiac catheterization. Wold GJ, et al. Radiology 99:188-90, Apr 71
Isotopic splenoportography making use of intrasplenic injection of 133Xe. Kuba J, et al. Rev Int Hepatol 19:173-82, 1969
[Threshold dose from the aspect of contemporary theories on the biological effect of ionizing radiation] Sedlák A. Cas Lek Cesk 110:278-81, 19 Mar 71 (Cze)
[Current possibilities of biologic dosimetry] Tuscany R. Cas Lek Cesk 109:1036-8, 23 Sep 70 (Cze)
[5 years of personal dosimetry at a diagnostic x-ray department] Hájek V. Cesk Radiol 25:153-8, Jul 71 (Cze)
[Volume, gonadal and bone marrow dose in the workers of the x-ray department. Attempt to calculate doses on the basis of personal film dosimetry] Hájek V, et al. Cesk Radiol 25:159-64, Jul 71 (Cze)
[Assessment and determination of correct filtration of radiation in the most frequently used types of stomatological x-ray devices] Kukačka R. Cesk Radiol 25:184-8, Jul 71 (Cze)
[Experience with thermoluminescent dosimeters] Allewaert J, et al. J Belge Radiol 53:481-3, 1970 (Dut)
[Criticality dosimetry by activity measurement] Eggermont G, et al. J Belge Radiol 53:220-9, 1970 (Dut)
[Photographic radiodosimetry: the A.E.R.E.-R.P.S. film dosimeter] Segaert O. J Belge Radiol 51:Suppl:14-8, 1968 (Dut)
[Concise description of the "Whole-Body-Counter" being used in Leiden and a diagnostic application] Barnhoorn A, et al. Ned Tijdschr Geneeskd 115:1111-4, 26 Jun 71 (Dut)
[Characteristics and dosimetry problems of high energy electrons] Dutreix J. Bull Cancer (Paris) 56:3-12, Jan-Mar 69 (Fre)
[Technical findings apropos of postoperative irradiation of the thoracic wall in cancer of the breast] Juillard G, et al. Bull Cancer (Paris) 56:99-102, Jan-Mar 69 (Fre)
[Recommendations concerning protection of patients and personnel in radio-diagnosis] Kayser P. Bull Soc Sci Med Grand Duche Luxemb 105:71-7, Nov 68 (Fre)
[Analysis of methods of double labeled samples by liquid scintillation: possibilities and limitations] Strolin-Benedetti M, et al. Farmaco [Sci] 25:624-41, Aug 70 (Fre)
[The addition of naphthalene to liquid scintillators. An attempted interpretation on the basis of energy transfer kinetics] Germai G. Int J Appl Radiat Isot 21:587-94, Oct 70 (Fre)
[Preparation of whole blood samples with the aim of C14 counting by liquid scintillation] Oustrin J, et al. Int J Appl Radiat Isot 21:739-41, Dec 70 (Fre)
[Dosimetry by films and criticality dosimeters] Boulenger R, et al. J Belge Radiol 51:Suppl:1-13, 1968 (Fre)
[Check on internal contamination by means of the 4 pi whole body counter] Delwaide PA. J Belge Radiol 53:405-21, Sep-Oct 70 (Fre)
[Scintillation counting in a liquid medium: technics and applications in radioprotection] Gillet R, et al. J Belge Radiol 54:441-5, May-Jun 71 (Fre)
[Place and indications for external radiotherapy in cervix cancer] Sarrazin D. J Belge Radiol 53:364-78, Sep-Oct 70 (Fre)
[Severe pelvic vitiation (study of 1,200 radiopelvimetric examinations)] Muller P, et al. J Radiol Electrol Med Nucl 50:195-6, Mar-Apr 69 (Fre)
[Study of the penetration, distribution and flux of aerosols in the respiratory passages by use of radioisotopes] Freour P, et al. Poumon Coeur 26:689-99, 1970 (Fre)
[The dentist and problems of radiation protection. Is individual dosimetric control justified?] Perrelet L. Schweiz Monatsschr Zahnheilkd 78:70-3, Jan 68 (Fre)
[Deep dosimetry for 15-MeV neutrons on the model of the rabbit eye] Krüger H, et al. Albrecht von Graefes Arch Klin Ophthalmol 180:134-9, 1970 (Ger)
[Dosage and darkening in abdominal radiography] Laubenberger T. Ann Univ Sarav [Med] 15:351-405, 1968 (Ger)
[Radiologic mineral equivalent determination in bones. 1. The correct use of the radiologic substance analysis by means of different qualities of radiation] Gebhardt M, et al. Fortschr Geb Roentgenstr Nuklearmed 112:798-805, Jun 70 (Ger)
[A procedure for the multicolor recording of gamma camera scans. I. Foundations and testing on simulated radiation profiles] Hühn EA, et al. Fortschr Geb Roentgenstr Nuklearmed 112:686-8, May 70 (Ger)
[Radiation dosage during the use of In-113m for placental display] Würthner K, et al. Fortschr Geb Roentgenstr Nuklearmed 112:478-85, Apr 70 (Ger)
[Evaluation of various technics of aerosol therapy using lung radiometry following application of radioactive colloids] Herzog H, et al. Med Klin 66:948-54, 25 Jun 71 (Ger)
[Determination of the biological half life of 131-I-albumin by means of the whole body counter for clinical diagnosis] Wagner A, et al. Med Klin 65:248-52, 6 Feb 70 (Ger)
[Diagnostic value of the quotients of precordial over prepulmonary impulse rate from Na131-J in normal subjects and cardiac patients] Blümchen G, et al. Nucl Med (Stuttg) 9:327-40, 31 Dec 70 (Ger)
[Correction of the output voltage of a rate meter by means of an analogue circuit] Lange D. Nucl Med (Stuttg) 9:375-84, 31 Dec 70 (Ger)
[Use of an analogue circuit for on line correction in simultaneous double tracer studies] Lange D. Nucl Med (Stuttg) 9:385-96, 31 Dec 70 (Ger)
[The use of the double isotope technic in functional studies. I. Mathematical formulation of the quantitative evaluation] Lange D, et al. Nucl Med (Stuttg) 10:25-38, 30 Apr 71 (Ger)
[Scintigraphic localization for percutaneous kidney biopsy] Zimáček J, et al. Nucl Med (Stuttg) 9:317-26, 31 Dec 70 (Ger)
[Perfusion scintigraphic studies of the lung in bronchiectasis] Windheim K von. Pneumonologie 143:193-6, 1970 (Ger)
[Radiation exposure of the physician and medical personnel in the handling of Au198 seeds] Bartolmäs H, et al. Radiobiol Radiother (Berl) 11:705-11, 1970 (Ger)
[Use of lysogenic bacteria for the determination of energy doses of longwave roentgen radiation] Kuznecova LA, et al. Radiobiol Radiother (Berl) 11:821-7, 1970 (Ger)
[Potassium and Cs137 calibrations of the experimental whole body counter of the State Center for Radiation Protection of the German Democratic Republic] Poulheim KF. Radiobiol Radiother (Berl) 11:713-28, 1970 (Ger)
[LiF thermoluminescence dosimetry in pre-treated rats after partial and whole body irradiation] Reichel G, et al. Radiobiol Radiother (Berl) 11:843-8, 1970 (Ger)
[New colloidal Tc99m compounds for radioisotope scintigraphy] Tarasov NF, et al. Radiobiol Radiother (Berl) 11:861-3, 1970 (Ger)
[Dose distribution in the kidneys and efferent urinary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tracts in patients with testicular tumors after conventional and telecobalt irradiation] Tietze D, et al. Radiobiol Radiother (Berl) 11:597-600, 1970 (Ger)
[Physical parameters of the 3 inch and 5 inch scanner systems] Tautz M, et al.
Radiol Diagn (Berl) 11:639-46, 1970 (Ger)
[Possibilities of "teledosimetry" in radiation protection] Babor R. Radiologe 11:81-5, Feb 71 (Ger)
[Influence of technical and methodical progress on the patient dose in nuclear medicine] Pabst HW, et al.
Radiologe 10:372-6, Sep 70 (Ger)
[Radiation dosage in image magnification transillumination] Stieve FE.
Radiologe 10:357-67, Sep 70 (Ger)
[Radiation exposure in x-ray cinematography] Widenmann L. Radiologe 10:367-72, Sep 70 (Ger)
[Physical basis and practical viewpoints in the therapy with high energy electrons] Vogel KH.
Roentgenpraxis 23:164-72, Jul 70 (Ger)
[Physical basis and practical viewpoints in the therapy with high energy electrons] Vogel KH.
Roentgenpraxis 23:180-91, Aug 70 (Ger)
[Individual dosimetry in catastrophy cases (methods)] Wachsmann F.
Strahlenschutz Forsch Prax 11:29-35, 1971 (Ger)
[Model-measured computation depth dose curves for water and graphite for 1250 keV photon-irradiation] Eisenlohr HH.
Strahlentherapie 140:188-9, Aug 70 (Ger)
[Studies on the energy dependency of dosimeters demonstrated on a 42 megavolt betatron] Fehrentz D, et al. Strahlentherapie 140:71-7, Jul 70 (Ger)
[Semiautomatic evaluation apparatus for photoisodoses] Hawliczek F.
Strahlentherapie 139:462-4, Apr 70 (Ger)
[Side radiation of the Siemens-18 MeV-betatron] Krämer M. Strahlentherapie 139:186-95, Feb 70 (Ger)
[Estimation of the quality factor for 15-MeV-neutrons] Krüger H, et al.
Strahlentherapie 139:179-85, Feb 70 (Ger)
[Program for calculation of dose distribution for teletherapy with 60Cobalt gamma rays. I. Mathematical principles] Leetz HK.
Strahlentherapie 141:416-20, Apr 71 (Ger)
[UV-irradiation measurement by the resistant method. IV. Intensity of UV-irradiation on apt surfaces in comparison with total-body UV-irradiation. Loss of irradiation through the degree of the horizon] Lotmar R. Strahlentherapie 139:750-9, Jun 70 (Ger)
[Calculation of the depth dose distribution for the arbitrary rectangle fields from the depth dose table for the central irradiation of circular or quadratic fields] Popp FA.
Strahlentherapie 139:532-7, May 70 (Ger)
[266 Ra-calibration method for a total body-counter with radium, taking into account the absorption and spreading of the gamma irradiation as well as the macroscopic distribution pattern in humans] Poulheim KF.
Strahlentherapie 139:553-64, May 70 (Ger)
[Measuring of the standard ionic dose in compact and liquid media during x-ray and gamma irradiation by energies between 50keV and 3MeV. VI. Studies on the influence of volume in ionization chambers] Rakow A, et al. Strahlentherapie 141:332-5, 1971 (Ger)
[Film-dosimetry of energy-rich rays. II. Criteria for optimation and demands concerning the tolerances of developmental conditions in film dosimetry] Rassow J. Strahlentherapie 140:655-62, Dec 70 (Ger)
[Film dosimetry of high-energy rays. V. Energy and phantom depth dependence of the film sensitivity for high-energy photon and electron rays during exposition parallel to the direction of incidence] Rassow J, et al.
Strahlentherapie 141:336-45, 1971 (Ger)
[Description of radiation fields by separation of primary and scattered radiation. IV. Calculation of distribution for parallel photon radiation fields] Schoknecht G. Strahlentherapie 141:326-31, 1971 (Ger)
[Influencing of electronically calculated dose dispersion by variation of intake data] Schoknecht G.
Strahlentherapie 139:435-45, Apr 70 (Ger)
[Description of radiation fields by means of separation of primary and scattered radiation. V. Calculation of the dose distribution of divergent photon radiation fields] Schoknecht G.
Strahlentherapie 141:409-14, Apr 71 (Ger)
[Intramedullar dosimetry in rat femur after incorporation of 90Sr-90Y] Steinbach KH, et al.
Strahlentherapie 140:667-70, Dec 70 (Ger)
[Measurement of standard ion dose in compact and liquid media during roentgen and gamma-irradiation with energies between 50 keV and 3 MeV. VII. Results of measuring standard ion dose in compact and liquid media using the hollow ionization chamber] Will W, et al. Strahlentherapie 141:421-4, Apr 71 (Ger)
[Computerized scintigraphy] Csernay L, et al.
Orv Hetil 112:13-4, 3 Jan 71 (Hun)
[Characteristics of P 32 "Bremsstrahlung" in material of uniform density: experimental dosimetry] Pozza F, et al. Acta Isot (Padova) 7:261-70, 30 Dec 67 (Ita)
[Study, by means of the liquid scintillation technic, of lymphocyte transformation in vitro in guinea pigs immunized with complete Freund's adjuvant] Romagnani S, et al. G Clin Med 50:157-67, Feb 69 (Ita)
[Whole body scintigraphy. New findings in the study of bone metastases] Abbati A, et al.
Minerva Fisiconucl 14:79-87, Apr-Jun 70 (Ita)
[Measurement of internal contamination at the ENEL Electronuclear plant of Garigliano] Antonucci L, et al.
Minerva Fisiconucl 14:101-3, Jul-Sep 70 (Ita)
[Approximation of single scattering in the calculation of the exposure intensity due to backscattering of x-rays] Bottino A, et al.
Minerva Fisiconucl 15:1-14, Jan-Mar 71 (Ita)
[Intercalibration of dosimeters on film in Italian services of the personnel dosimetry] Busuoli G, et al.
Minerva Fisiconucl 15:33-7, Jan-Mar 71 (Ita)
[Thermoluminescence radiation dosimetry using high energy betatron electronic beams] Tosi G, et al.
Minerva Fisiconucl 14:65-9, Apr-Jun 70 (Ita)
[Notes on gonadal absorbed doses in roentgen diagnosis] Torretta A, et al.
Minerva Med 62:779-81, 24 Feb 71 (Ita)
[Measurements for reducing the absorbed dose of the patient in roentgen diagnosis] Torretta A, et al.
Minerva Med 62:782-3, 24 Feb 71 (Ita)
[Notes on individual dosimetric control with LiTF teflon disks] Barbina V, et al.
Radiol Med (Torino) 56:512-27, Jun 70 (Ita)
[Description of a dosimetric system with "film-badge" for protection of the personnel in the medical field] Bellotti S. Radiol Med (Torino) 55:361-70, Apr 69 (Ita)
[On protection from sources of ionizing radiations in a radiological service] Muscettola G, et al.
Radiol Med (Torino) 55:1041-60, 1 Nov 69 (Ita)
[Quantitative detemmination of cerebral blood flow using the gamma scintiliation camera] Handa J, et al.
Brain Nerve (Tokyo) 23:121-8, Feb 71 (Jap)
[X-ray television macrofluoroscopy using a small focus tube: consideration on formation content and patient dose] Fujita T.
Nippon Acta Radiol 30:615-25, Oct 70 (Jap)
[Dose distribution of linac radiation by photographic film] Noda H, et al.
Nippon Acta Radiol 30:1-5, Jan 71 (Jap)
[Recombination loss in ionization chambers irradiated with pulsed radiation] Takaku Y.
Nippon Acta Radiol 30:730-3, Nov 70 (Jap)
[Dose estimation in tangential radiation therapy] Takeshita K, et al.
Nippon Acta Radiol 30:801-4, Dec 70 (Jap)
[Liquid scintillation counting] Kamiyanagi H.
Saishin Igaku 25:2401-8, Nov 70 (Jap)
[Evaluation of radiation danger from non-equilibrium emanations] Bad'in VI, et al.
Gig Sanit 35:51-4, Jul 70 (Rus)
[Some aspects of bone dosimetry during strontium-90 administration] Borisova VV.
Gig Sanit 35:116-8, Aug 70 (Rus)
[The qualitative composition of radiation deep in the irradiated medium] Frolova AV, et al.
Med Radiol (Mosk) 16:75-7, Mar 71 (Rus)
[Method of evaluating errors in roentgenoradiologic studies of dynamic objects] Gorbushin NG.
Med Radiol (Mosk) 15:77-9, Jul 70 (Rus)
[Determination of radiation loading in x-ray diagnostic studies using the method of thermoluminescent dosimetry] Gubatova DIa, et al.
Med Radiol (Mosk) 15:61-5, Nov 70 (Rus)
[Measurement of absorbed dose of long-wave x-radiation by the thermoluminescent method] Gubatova DIa.
Med Radiol (Mosk) 15:69-72, Oct 70 (Rus)
[Study of Fe 59 uptake using the method of whole body radiometry after stomach surgery] Kaplan MA, et al.
Med Radiol (Mosk) 15:59-63, Oct 70 (Rus)
[Contact radiometry in the diagnosis of malignant lung neoplasms] Krishtafovich AA, et al.
Med Radiol (Mosk) 15:19-23, Jul 70 (Rus)
[Increasing the accuracy of measuring radioactivity in biological objects] Krivoruk ISh.
Med Radiol (Mosk) 15:39-42, Dec 70 (Rus)
[Tissue doses in the human gastrointestinal tract after entry of radioactive substances into the organism] Osanov DP. Med Radiol (Mosk) 15:40-7, Aug 70 (Rus)
[Selection of Russian photoelectronic multipliers for recording of radiation from tritium and carbon-14] Beliakov VA. Nov Med Priborostr 1:90-1, 1970 (Rus)
[Method of determining the instantaneous values of the x-radiation characteristics of a therapeutic machine] Podgornyf VN.
Nov Med Priborostr 3:125-31, 1969 (Rus)
[Study of non-uniform dose fields of x-rays using a tissue-equivalent scintillation detector] Stavitskif RV, et al. Nov Med Priborostr 3:120-4, 1969 (Rus)
[Some problems of the theory of whole-body diagnostic counters] Varentsov IuM.
Nov Med Priborostr 2:111-7, 1967 (Rus)
[Calculation of the geometric factor of whole body counters] Varentsov IuM.
Nov Med Priborostr 1:68-76, 1970 (Rus)
[Transistorized thermostable differential discriminator] Vvedenskif VT.
Nov Med Priborostr 1:85-9, 1970 (Rus)
[Calculation of the dose factor of accumulation of extensive sources with irradiation energy of emission energy of E gamma less than or equal to 0.5 Mev] Drozdov VE, et al.
Radiobiologiia 11:304-6, Mar-Apr 71 (Rus)
[Protective effect of bone marrow in prolonged irradiation with constant or decreasing dosage] Khaitov RM.
Radiobiologiia 11:96-101, Jan-Feb 71 (Rus)
[Determination of antimony in air by a rapid roentgen-radiometric method] Grigor'eva FM.
Sov Zdravookhr Kirg 6:34-6, Nov-Dec 70 (Rus)
[Application of a chemical method of dosimetry in x-ray studies] Sobol' IS.
Vestn Rentgenol Radiol 45:74-6, Nov-Dec 70 (Rus)
[Method of determining gonadal dose in radiodiagnostic examinations in gynecology] Zubkova TI, et al.
Vestn Rentgenol Radiol 45:69-71, Jan-Feb 70 (Rus)
[Scintigraphy]
An Esp Odontoestomatol 29:269-70, Jul-Aug 70 (Spa)
[Scintigraphy and angiography as diagnostic tools in surgical liver diseases] Cederquist E, et al.
Nord Med 85:117, 28 Jan 71 (Swe)
[Digital whole-body pictures with gamma camera] Larsson I, et al. Nord Med 84:1307, 8 Oct 70 (Swe)
[Experiment in combination of emission- and transmission-scintigraphy] Vikterlöf KJ, et al.
Nord Med 84:1307, 8 Oct 70 (Swe)
[Determination of C14 in tissue protein by the low-effective counters] Zhurbin GI.
Ukr Biokhim Zh 42:381-5, 1970 (Ukr)
[Radiation doses received by children with urinary tract infections] Fendel H, et al.
Ann Radiol (Paris) 12:245-50, 1969 (Mul)
[Radioactivity determination of lipid fractions using thin-layer chromatography] Nemec R.
Biologia (Bratisl) 25:611-5, 1970 (Slo)
[Distribution of diffused radiation on the patient's body surface area during radiotherapy] Durkovsky J, et al. Cesk Radiol 25:1-6, Jan 71 (Slo)

INSTRUMENTATION

A new dose calibrator for nuclear medicine. Mauderli W, et al.
Am J Roentgenol Radium Ther Nucl Med 111:405-7, Feb 71
Dosimetry in photocoagulation. Fankhauser F, et al.
Arch Ophthalmol 85:610-3, May 71
A simple patient dose calculator for radiographic exposures. Williamson BD.
Australas Radiol 14:200-5, May 70
A dual detector system for thyroid uptake measurement. Sear R. Br J Radiol 43:876-85, Dec 70
A whole body counter for serial studies of total body potassium. Johny KV, et al. Clin Sci 39:319-26, Aug 70
On the fluorescence decay of silver-activated glass dosimeters. Barthe J, et al.
Health Phys 18:573-5, May 70
Cylindrical plastic scintillators for monitoring beta-gamma-activity in air and water. Barz HG, et al.
Health Phys 18:659-64, Jun 70
Dose equivalent meter designs based on tissue equivalent proportional counters. Baum JW, et al.
Health Phys 19:813-24, Dec 70
Survey meter specifications. Bellian JG.
Health Phys 20:857, Jun 71
A portable electronic system equipped with an ionization chamber filled with a liquid equivalent to the biological tissue. Blanc D, et al.
Health Phys 18:432-4, Apr 70
Usable count-rate range of a halogen quenched Geiger-Müller (G-M) counter. Chiang HH.
Health Phys 19:687-90, Nov 70
Measurement of high doses with glass dosimeters. Freytag E. Health Phys 20:93-4, Jan 71
Relative response of dosimeters to cobalt-60 and 25 nsec pulsed electron irradiations. Martin JA, et al.
Health Phys 20:267-75, Mar 71
An inexpensive rf shield for use with radiation survey instruments. Properzio WS.
Health Phys 19:442, Sep 70
A sensitive ceramic BeO-TSEE-dosimeter. Robinson EM, et al. Health Phys 18:434-7, Apr 70
Computer programs for calculation of liquid-scintillation data from long-lived and short-lived radionuclides used in single or dual labelling. Cramer CF, et al.
Int J Appl Radiat Isot 22:17-20, Jan 71
An investigation into the possible use of thermoluminescent (ZnS:CdS:Ag:Ni) phosphors for radiation dosimetry. Elmanharawy MS.
Int J Appl Radiat Isot 22:9-15, Jan 71
An automated thermoluminescence dosimeter reader. Kartha M. Int J Appl Radiat Isot 22:131-4, Mar 71
An oxygen flask assembly for the assay of carbon-14 in biological material. Volf V.
Int J Appl Radiat Isot 21:685-6, Nov 70
Digital and analog processing of Anger camera data with a dedicated computer--controlled system. Ashburn WL, et al. J Nucl Med 11:680-8, Nov 70
A simplified radiochromatographic purity check. Gutkowski RF, et al. J Nucl Med 12:513-5, Jul 71
A scintillation camera based on delay-line time

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

conversion. Hiramoto T, et al.
J Nucl Med 12:160-5, Apr 71
High-resolution scinticamera based on delay-line time conversion. Nohara N, et al.
J Nucl Med 12:635-6, Sep 71
Modification of a counting ratemeter to reduce the effect of statistical fluctuations. Dean PM.
Phys Med Biol 15:695-9, Oct 70
A method for annealing lithium fluoride teflon discs. Docherty J, et al. Phys Med Biol 15:739-40, Oct 70
Automatic scanning system for radiation dose distributions. Etchells AH, et al.
Phys Med Biol 16:135-8, Jan 71
Calibration of cavity ionization chambers. Fränz H.
Phys Med Biol 16:57-66, Jan 71
A miniaturized probe for detecting radioactivity at thyroid surgery. Morris AC Jr, et al.
Phys Med Biol 16:397-404, Jul 71
A whole-body counter for precision in vivo measurement of radio-iron. Palmer HE, et al.
Phys Med Biol 15:457-65, Jul 70
A D.C. power supply for the Farmer secondary standard X-ray dosemeter. Tetenes PJ.
Phys Med Biol 16:139-40, Jan 71
Computer dosimetry of partially blocked fields in cobalt teletherapy. Khan FM.
Radiology 97:405-11, Nov 70
Polaroid film in radiation dosimetry and survey. LeVan H, et al. Radiology 98:183-3, Jan 71
Coordinate measuring device for radium applications. Mauderli W, et al. Radiology 98:161-3, Jan 71
In vivo radiation dosimetry. Review of a 12-year experience. Roswit B, et al.
Radiology 97:413-24, Nov 70 (53 ref.)
X-ray fluorescence: detection of lead in wall paint. Laurer GR, et al. Science 172:466-8, 30 Apr 71
A battery-operated universal dosimeter. Allewaert J.
Strahlentherapie 141:715-7, Jun 71
[The Liege anthropogammameter and its clinical use] Heusghem C.
Bull Acad R Med Belg 9:439-95, 1969 (Fre)
[Setting up of a Whole Body Counter division at the Faculty of Medicine of Liege] Heusghem C, et al.
Rev Med Liege 23:711-8, 15 Nov 68 (Fre)
[A simple method for the visualization of isodose curves in radiology] Höfer O, et al.
Elektromed Biomed Tech 15:231-2, Nov 70 (Ger)
[A completely automatic sample combustion device for the technic of measuring H-3 and C-14 in the liquid scintillation spectrometer] Hülsen W.
Experientia 26:1406-7, 15 Dec 70 (Ger)
[Explanation and evaluation of hemodynamic functions with the new 12-channel device "Mainz"] Mundschenk H, et al. Int J Appl Radiat Isot 21:471-85, Aug 70 (Ger)
[New measuring tecnnics in personal dosage control] Regulla D. Radiologe 11:78-81, Feb 71 (Ger)
[Portable precision dosimeter with several measuring ranges for high-energy x-rays and electrons] Nagl J, et al. Strahlentherapie 140:663-6, Dec 70 (Ger)
[Use of ionization chamber for control of the specific activity of gas and liquids] Kaftal S, et al.
Minerva Fisiconucl 15:15-9, Jan-Mar 71 (Ita)
[A trial manufacture of CdS dosimeter for high energy radiation] Fujita T, et al.
Nippon Acta Radiol 30:525-31, Sep 70 (Jap)
[Automatic recording of dose distribution in moving-field radiotherapy] Kitabatake T, et al.
Nippon Acta Radiol 30:1132-6, Mar 71 (Jap)
[Magnetic register system for the simplification of the study of liver circulation using colloidal Au-198] Lopes JF, et al. Arq Patol 42:55-60, 1970 (Por)
[A device for studying relative dose distributions] Akatkin OA, et al.
Med Radiol (Mosk) 16:77-80, Mar 71 (Rus)
[Calorimetric determination of the complete energy of a bremsstrahlung beam] Ermakov IA.
Med Radiol (Mosk) 15:67-72, Sep 70 (Rus)
[Kremnif-1 dosimeter] Krongauz AN, et al.
Med Radiol (Mosk) 15:78-84, Sep 70 (Rus)
[Reduction of the excess current in the photomultiplier occurring as a result of gamma- or x-radiation] Timofeev LV, et al.
Med Radiol (Mosk) 15:73-7, Sep 70 (Rus)
[Increasing the sensitivity and accuracy of measurement of the DTM-1 thermoluminescent dosimeter with exchangeable heating elements] Kuznetsov VA. Nov Med Priborostr 3:83-8, 1969 (Rus)
[Experience in the use of thermoluminescent detectors in clinical and experimental dosimetry] Kuznetsov VA, et al.
Nov Med Priborostr 3:89-91, 1969 (Rus)
[The DTM-1 clinical thermoluminescent dosimeter] Li TH, et al. Nov Med Priborostr 3:76-82, 1969 (Rus)
[Electronic device for increasing the sensitivity of a thermoluminescent dosimeter] Li TH, et al.
Nov Med Priborostr 2:91-5, 1969 (Rus)
[Photoluminescent medical dosimeter] Mandel'tsvaig IuB, et al. Nov Med Priborostr 3:92-100, 1969 (Rus)
[Study of a combination detector, selenium phototransducer plus scintillator, for radiation therapy] Mandel'tsvaig IuB.
Nov Med Priborostr 3:108-16, 1967 (Rus)
[Choice of detector for whole-body diagnostic counters] Varentsov IuM.
Nov Med Priborostr 3:134-8, 1967 (Rus)
[Characteristics of tissue-equivalent scintillators] Varin AN, et al.
Nov Med Priborostr 3:113-9, 1969 (Rus)
[Analysis of possible errors in the registration of dose fields using a scanning isodosograph] Volkov VA.
Nov Med Priborostr 3:105-12, 1969 (Rus)
[Simple scheme for a monitor for a scanning isodosograph] Volkov VA, et al.
Nov Med Priborostr 3:101-4, 1969 (Rus)

STANDARDS

Recommended methods for radioisotope red-cell survival studies. A report by the ICSH panel on diagnostic applications of radioisotopes in haematology. Br J Haematol 21:241-50, Aug 71
Quality factor--a sound concept. Dunster HJ.
Health Phys 20:529-31, May 71
"What quality factor"? Patterson HW, et al.
Health Phys 20:517-27, May 71
Calibration of a whole-body counter suitable for use in routine clinical investigations. Barnaby CF, et al.
Phys Med Biol 16:97-104, Jan 71
Comparisons of the response of Farmer-Baldwin dosemeters to megavoltage x-rays. Day MJ, et al.
Phys Med Biol 16:144-7, Jan 71
Comparison of calculated and measured surface dose using LiF discs. Gibson JA, et al.
Phys Med Biol 16:282-93, Apr 71
Secondary-standard ionization chamber design. Kemp LA. Phys Med Biol 15:557-8, Jul 70
The calibration of clear perspex HX for radiation dosimetry. Simmons JA, et al.
Phys Med Biol 15:748-9, Oct 70
Specific gamma-ray constant of radon. Sofer DH. Phys Med Biol 16:150-1, Jan 71
Protocol for the dosimetry of x- and gamma-ray beams with maxi um energies between 0-6 and 50 MeV. Scientific Committee on Radiation Dosimetry (SCRAD) of the American Association of Physicists in Medicine. Phys Med Biol 16:379-96, Jul 71

RADIOPAQUE MEDIA see CONTRAST MEDIA

(D13)

RADIOTHERAPY (E2)

A comparison of two radiation therapy-treatment plans for carcinoma of the cervix. I. Personnel radiation exposure. Boronow RC, et al.
Am J Obstet Gynecol 110:693-5, 1 Jul 71
Inhalation anesthe..ia and remote monitoring during radiotherapy for children. Feingold A, et al.
Anesth Analg (Cleve) 49:656-9, Jul-Aug 70
Computers in radiotherapy. Cohen M.
Br J Radiol 43:658-63, Sep 70
Panel discussion on "The role of caesium sources in radiation treatment and the replacement of radium by caesium". Stephenson SK, et al.
Br J Radiol 44:237-8, Mar 71
Tissue typing, antilymphocyte globulin, and prophylactic graft irradiation in cadaver kidney transplantation. Myburgh JA, et al.
Br Med J 3:670-2, 19 Sep 70
The potential of negative pions in the therapy of cancer. Langham WH. CA 20:303-11, Sep-Oct 70
Regional oxygenation and radiotherapy: a study of the degradation of infused hydrogen peroxide. II. Measurement of decomposition of H2O2 infused into flowing blood. MacNaughton JI.
Int J Radiat Biol 19:415-31, 1971
Regional oxygenation and radiotherapy: a study of the degradation of infused hydrogen peroxide. I. Infusate mixing. MacNaughton JI.
Int J Radiat Biol 19:405-13, 1971
Medical uses of radiation. Walker JF.
JAMA 216:1348, 24 May 71
Is this your career? Sandeman TF.
Med J Aust 1:757-9, 3 Apr 71
Activation analysis of Co-60 encapsulated in stainless steel needles. Hallaba E, et al.
Mikrochim Acta 3:536-43, 1970
Advances in radiotherapy. Lederman M.
Practitioner 205:535-43, Oct 70
Advances in renography in relation to radiology and radiotherapy. Britton KE, et al.
Proc R Soc Med 64:342-4, Apr 71
Some physical and radiobiological factors in radiotherapy. Oliver R.
Proc R Soc Med 64:405-6, Apr 71
A Regional Radiotherapy Centre: its development, scope and limitations. Rhys-Lewis RD.
Proc R Soc Med 64:119-24, Feb 71
Attenuation of x-rays in the human body. Cohen M.
Radiography 37:88-90, Apr 71
A patient's view of radiotherapy. Page SN.
Radiography 36:277, Nov 70
Radiation therapy technology syllabus for one-year program. Radiol Technol 42:401-10, May 71
The use of an invisible fluorescent marker to delineate radiotherapy treatment fields. Cowan RJ, et al.
Radiology 97:681-2, Dec 70
Time-sharing computers for treatment planning in radiation therapy. Hendee WR, et al.
Radiology 99:423-8, May 71
Radiation protection around the medical cyclotron at Hammersmith Hospital. Jones T, et al.
Radiology 98:665-71, Mar 71
On the advisability of treating all fields at each radiotherapy session. Wilson CS, et al.
Radiology 98:419-24, Feb 71
Computing in radiotherapy. Orr JS, et al.
Scott Med J 15:370-7, Oct 70
Prolonged survival of rat heart and kidney allografts irradiated in vitro. Steinmuller D, et al.
Transplantation 12:153-6, Aug 71
[Present and future in radiotherapy] (Taskinen P), Taskinen PJ. Duodecim 86:967-73, 1970 (Fin)
[Automatic data processing and radiology] Haene R de, et al. J Belge Radiol 54:83-91, Jan-Feb 71 (Fre)
[Usefulness and damages of ionizing radiations] Veraguth P.
Rev Med Suisse Romande 89:225-35, Mar 69 (Fre)
[Biological basis of radiotherapy] Peters KW.
Roentgenpraxis 24:58-68, Mar 71 (Ger)
[Significance of marginal rays in radiation research. 2. Attempt to clarify the adaptation and regulatory mechanism in a discussion using the environmental factor "radiation" in comparison with the information gained through immunity research] Becker O.
Strahlentherapie 139:303-7, Mar 70 (Ger)
[Studies on nucleotide metabolism in the isolated perfused guinea pig heart under irradiation] Bucheit L, et al. Strahlentherapie 141:604-11, May 71 (Ger)
[Comparison of high-energy radiations in surgical casts] Franz KD, et al.
Strahlentherapie 140:67-70, Jul 70 (Ger)
[Studies on the problem of combined radiologic-cytostatic therapy. 10. Syncytostatic studies with vinblastine sulfate] Ringleb D, et al.
Strahlentherapie 141:599-603, May 71 (Ger)
[Cytomorphologic studies on the modification by oxygen of the irradiation effect on tissue cultured tumor cells (HeLa cells)] Scherer E, et al.
Strahlentherapie 141:591-8, May 71 (Ger)
[Use of medium fast electrons in radiotherapy] Wachsmann F.
Strahlentherapie 139:385-8, Apr 70 (Ger)
[Use of ultrasonics in irradiation planning] Weyrauch U, et al. Strahlentherapie 139:544-7, May 70 (Ger)
[Position and indication for the conventional roentgen therapy] Kärcher KH.
Wien Med Wochenschr 121:276-8, 3 Apr 71 (Ger)
[Prevention of radiation risks in hospitals. I. Radioactive isotopes: characteristics and problems of protection] Dall'Acqua GF, et al.
Ig Med 62:651-64, 1969 (Ita)
[Radiotherapy in large hospitals] Piemonte M.
Minerva Med 61:4422-4, 6 Oct 70 (Ita)
[Dietetic considerations in the irradiated patient] Davitti L, et al.
Minerva Radiol 14:151-6, Mar-Apr 69 (Ita)
[Orthokinetic radiotherapy] Lovera G.
Minerva Radiol 14:549-54, Dec 69 (Ita)
[Description of a dosimetric system with "film-badge" for protection of the personnel in the medical field] Belletti S. Radiol Med (Torino) 55:361-70, Apr 69 (Ita)
[On protection from sources of ionizing radiations in a radiological service] Muscettola G, et al.
Radiol Med (Torino) 55:1041-60, 1 Nov 69 (Ita)
[Significance of pendulum technique in conformation radiotherapy. Studies on conformation radiotherapy. 21. Studies on telecobalt radiotherapy. 34.] Morita K, et al. Nippon Acta Radiol 30:805-10, Dec 70 (Jap)
[Certain aspects of hygienic dosimetric control] Cherkasov EF, et al. Gig Sanit 35:87-90, Apr 70 (Rus)
[Roentgenometric method of study in the individual planning of radiotherapy] Kuznetsov EA.
Med Radiol (Mosk) 15:80-5, Oct 70 (64 ref.) (Rus)
[Dose distribution in rotational irradiation with regular speed] Paviov AS, et al.
Med Radiol (Mosk) 15:63-9, Oct 70 (Rus)
[Proximal radiotherapy and low voltage radiotherapy with beryllium window tube. Comparative study of dosage drop in a homogenous phantom material] Risco A.
Actas Dermosifiliogr 61:187-204, Jul-Aug 70 (Spa)
[Production control with automatic data processing. II. Radiography departments] Brolin I.
Lakartidningen 68:229-35, Jan 71 (Swe)
[Distribution of diffused radiation on the patient's body surface area during radiotherapy] Durkovský J, et al. Cesk Radiol 25:1-6, Jan 71 (Slo)

ADVERSE EFFECTS

Radiation induced cataracts after radium therapy in children. A preliminary report. Notter G, et al.
Acta Radiol [Diagn] (Stockh) Suppl 254:87-9, 1966
Splenectomy in Hodgkin's Disease for splenomegaly, cytopenias and intolerance to myelosuppressive chemotherapy. Lowenbraun S, et al.
Am J Med 50:49-55, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Management of radiation-induced vaginal fistulas. Boronow RC. Am J Obstet Gynecol 110:1-8, 1 May 71
Pleural effusion complicating intensive mediastinal radiation therapy. Whitcomb ME, et al. Am Rev Resp Dis 103:100-7, Jan 71
Complications of abdominal irradiation. Girvin GW, et al. Am Surg 37:496-502, Aug 71
Local recurrence of generalized herpes zoster following x-irradiation. Guss SB, et al. Arch Dermatol 103:513-4, May 71
Irradiation as an etiologic factor in the development of melanoma. Conley J. Arch Otolaryngol 92:627-31, Dec 70
Superficial radiotherapy in acne vulgaris. Kirk J, et al. Australas J Dermatol 12:10-7, Apr 71
Post-radiation retinopathy. A fluorescence fundus angiographic study. Hayreh SS. Br J Ophthalmol 54:705-14, Nov 70
Long term follow-up of patients with menorrhagia treated by irradiation. Alderson MR, et al. Br J Radiol 44:295-8, Apr 71
Radiation myelopathy in relation to oxygen level. Coy P, et al. Br J Radiol 44:705-7, Sep 71
A further case of lymph node calcification in Hodgkin's disease following radiotherapy. Grebbell FS, et al. Br J Radiol 44:720-3, Sep 71
Irradiation-induced constrictive pericarditis in intestinal lymphangiectasis. Palmer HM, et al. Br Med J 4:783-4, 26 Dec 70
Chronic myelogenous leukemia in Hodgkin's disease: immunofluorescence of cells. Swaim WR, et al. Cancer 27:569-73, Mar 71
Colostomy in radiation-induced rectal stricture. Chaitin H. Dis Colon Rectum 14:145-6, Mar-Apr 71
Pull-through operation for radiation-induced rectovaginal fistula: report of a case. Thomford NR, et al. Dis Colon Rectum 13:451-3, Nov-Dec 70
Radiation risks from radiodiagnostic procedures. Drug Ther Bull 8:85-7, 23 Oct 70
The carcinomatous neuropathy. A clinical and electro-physiological comparative study, with special reference to the effect of treatment on the nervous system. Herishanu Y, et al. Eur Neurol 4:370-4, 1970
A complication of the use of radiation for malignant neoplasia in chronic discoid lupus erythematosus. Urtasun RC. J Can Assoc Radiol 22:168-9, Jun 71
Vesicovaginal fistula after radiation therapy. Daly JW. J Fla Med Assoc 58:25-6, Jun 71
Chromosome aberrations after x-ray therapy. Kučerová M. J Genet Hum 18:21-9, May 70
Radiation induced cancer of larynx and pharynx. Cronin J. J Laryngol Otol 85:621-2, Jun 71
Portal hypertension following surgery, x-radiation, and actinomycin D therapy of nephroblastoma. Roback SA, et al. J Pediatr 78:1031-4, Jun 71
Radiation hepatitis in children. Samuels LD, et al. J Pediatr 78:68-73, Jan 71
Association of low serum magnesium concentration with severity of gastrointestinal symptomatology in the irradiated patient. Tansy MF, et al. J Surg Res 11:213-6, May 71
Treatment of delayed intractable hemorrhagic cystitis following radiation of chemotherapy. Lapides J. J Urol 104:707-8, Nov 70
Chromosome damage in patients who have had intra-articular injections of radioactive gold. Stevenson AC, et al. Lancet 1:837-9, 24 Apr 71
Chromosome aberrations induced by x-ray therapy and myxovirus infection in human peripheral leukocytes. Stenman S, et al. Mutat Res 10:607-16, Dec 70
Intestinal fistula after pelvic irradiation and radical surgery. Postgrad Med 50:168-71, Jul 71
Late radiation nephritis after gastric x-irradiation for peptic ulcer. Thompson PL, et al. Q J Med 40:145-57, Jan 71
Bilateral simultaneous pneumothorax during radiation therapy for metastatic disease from osteogenic sarcoma. A case report and review of literature. Stolzenberg J, et al. Radiol Clin Biol 39:437-42, 1970
Postirradiation vaginitis. An evaluation of prophylaxis with topical estrogen. Pitkin RM, et al. Radiology 99:417-21, May 71
Dose response in human and experimental radiation-induced heart disease. Application of the nominal standard dose (NSD) concept. Stewart JR, et al. Radiology 99:403-8, May 71
Liver scans after primary treatment of tumors in children. Samuels LD, et al. Surg Gynecol Obstet 131:958-64, Nov 70
Carcinoma of the thyroid following ionizing radiation for Hodgkin's disease. Meyer OO. Wis Med J 70:129-33, May 71
[Delayed postradiotherapeutic stenosing ileitis: case report] Barbier P, et al. Acta Gastroenterol Belg 33:244-54, Mar 70 (Fre)
[Use of prednisone in ureteral stenosis after irradiation and (or) pelvic surgery] Michielsen JP, et al. Acta Urol Belg 38:100-2, Jan 70 (Fre)
[Chromatographic analysis of urinary tetrahydrogenates metabolites of cortisone and substance S in cases of uterine cancer before and after cobaltotherapy of 2000 to 3500 rads] Carcatzoulis S, et al. Bull Cancer (Paris) 58:115-22, Jan-Mar 71 (Fre)
[Constrictive pericarditis and radiotherapeutic myocarditis occurring in the distant sequelae of mediastinal Hodgkin's disease treated by surgical exeresis and massive irradiation] Dureau G, et al. Experientia 27:376-9, 15 Jan 71 (Fre)
[Radiologic aspects of post-radiotherapy colitis] Jeanmart L, et al. J Belge Radiol 53:429-36, 1970 (Fre)
[Osteosarcoma in irradiated children: a case] Laurent Y, et al. J Belge Radiol 51:112-6, 1968 (Fre)
[Erythema after administration of ionizing radiations] Van Caneghem P. J Belge Radiol 51:84-8, 1968 (Fre)
[Development of buccopharyngeal mucosa under the effect of cobalt therapy] Calvet J, et al. J Fr Otorhinolaryngol 18:609-11, Nov 69 (Fre)
[2 osseous radiosarcomas] Clément R, et al. J Radiol Electrol Med Nucl 50:721, Oct 69 (Fre)
[Early gastric ulcer and radiotherapy] Eschwege F, et al. J Radiol Electrol Med Nucl 50:Suppl 5:439+, May 69 (Fre)
[Irradiated ankylosing spondylarthritis and radioleukemia] Guiraud G. J Radiol Electrol Med Nucl 52:163-6, Mar-Apr 71 (Fre)
[Scintigraphic and radiologic comparisons after radiotherapy of intrathoracic tumors] Karparov M, et al. J Radiol Electrol Med Nucl 52:167-72, Mar-Apr 71 (Fre)
[Radio-induced double cancer] Papillon J, et al. J Radiol Electrol Med Nucl 50:687-90, Oct 69 (Fre)
[Cutaneous radio-cancer of both hands] Papillon J, et al. J Radiol Electrol Med Nucl 50:750-1, Oct 69 (Fre)
[Radiotherapy-induced cardiopathies] Giard P. J Sci Med Lille 88:449-59, Aug-Sep 70 (Fre)
[Accidents of thoracic radiotherapy] Rohart J. J Sci Med Lille 88:443-7, Aug-Sep 70 (Fre)
[Gastritis due to irradiation] Delage C. Laval Med 40:285, Mar 69 (Fre)
[Epaulette skin flap for post-radiotherapy necrosis of the subclavicular hollow (2 cases, 1 with osseous necrosis of the clavicle)] Mourgues G de, et al. Lyon Chir 67:67-8, Jan-Feb 71 (Fre)
[Femoral neck fractures after pelvic irradiation] Duparc J, et al. Rev Chir Orthop 57:Suppl 1:207-8, 1971 (Fre)
[The resistance of ocular nerves to the action of radium placed in nasosinusal cavities] Portmann G, et al. Rev Laryngol Otol Rhinol (Bord) 92:1-11, Jan-Feb 71 (Fre)
[Post-radiotherapy myelopathies during Hodgkin's disease. Apropos of 4 cases] Castaigne P, et al. Rev Neurol (Paris) 123:369-86, Dec 70 (Fre)
[Highly polymerized DNA. Curative and preventive treatment of therapeutic leukopenia. Result in 66 cases] Proux C, et al. Therapeutique 44:539-41, Nov 68 (Fre)
[Development of a fibrosarcoma in a "roentgenoderma" following Chaoul's x-irradiation of a hemangioma in early infancy] Undeutsch W. Aerztl Forsch 24:290-3, 10 Oct 70 (Ger)
[Köbner phenomenon-like manifestation of a retothel sarcoma of the skin following x-ray treatment] Weber G, et al. Arch Klin Exp Dermatol 239:191-9, 1970 (Ger)
[Lymphangio-hemangiomas in childhood and their effect on the dentition] Schlegel D. DDZ 25:220 passim, Jun 71 (Ger)
[Radiation reactions in the lungs and pleura of patients with mammary carcinoma] Notter G, et al. Fortschr Geb Roentgenstr Nuklearmed 112:571-84, May 70 (Ger)
[Possibilities and dangers of chemical synovectomy] Dahmen G. Hippokrates 42:251-2, Jun 71 (Ger)
[Unilateral pulmonary metastasis of a mammary carcinoma] Firusian N, et al. Med Klin 65:885-7, 1 May 70 (Ger)
[Damage to the heart from irradiation after mammectomy?] Spengler F. Munch Med Wochenschr 113:26-7, 1 Jan 71 (Ger)
[Late damages after radiotherapy of malignant tumors in childhood. 1. Late results following irradiation of kidney tumors] Strietzel M, et al. Radiobiol Radiother (Berl) 11:251-63, 1970 (Ger)
[Genesis of the necrosis of renal papillae] Taubert W, et al. Radiobiol Radiother (Berl) 11:381-5, 1970 (Ger)
[Radiation therapy pneumonia] Papageorgiou I, et al. Radiol Clin Biol 39:256-61, 1970 (Ger)
[Additional irradiation load of patient with discovery of deep x-ray therapy] Vogel KH, et al. Roentgenpraxis 23:207-12, Sep 70 (Ger)
[Studies on the problem of late sequellae of irradiation in childhood] Feine U, et al. Strahlentherapie 139:306-13, Mar 70 (Ger)
[Effect of calf-blood extract on radiation-induced mucosal lesions of the laryngo-pharyngeal region] Hoefer-Janker H, et al. Strahlentherapie 139:701-6, Jun 70 (Ger)
[Heart injury caused by tumor irradiation in thoracic region] Klemm J, et al. Strahlentherapie 139:410-7, Apr 70 (Ger)
[Modification of the radiation reaction using Tanderil] Mühleisen H, et al. Strahlentherapie 139:707-12, Jun 70 (Ger)
[Irradiation damages in the plexus brachialis in patients with breast carcinoma] Notter G, et al. Strahlentherapie 139:538-43, May 70 (Ger)
[Lesions of the nervous system through ionizing radiation] Spiess H. Ther Umsch 27:379-86, Jun 70 (Ger)
[Symptomatology and therapy of radiation reactions in the head-neck region] Hülse R. Z Laryngol Rhinol Otol 50:133-40, Feb 71 (Ger)
[Pathology of radiation-induced sialadenitis] Seifert G, et al. Z Laryngol Rhinol Otol 50:376-88, May 71 (Ger)
[Urologic management of injuries to the bladder after gynecologic radiotherapy] Lenz P, et al. Z Urol Nephrol 63:411-6, Jun 70 (Ger)
[Side effects of ionizing irradiation and cyclophosphamide administration as well as modification of these disorders] Schmidt W. Zentralbl Gynaekol 91:1537-40, 22 Nov 69 (Ger)
[Chemo- and radiotherapy and the risk of immunological suppression] Robinson E. Harefuah 79:82-3, 15 Jul 70 (Heb)
[Iatrogenic injuries in pneumology] Daddi G, et al. Ann Ist Carlo Forlanini 29:96-131, 1969 (Ita)
[Considerations on some complications correlated with radiotherapy of cutaneous angiomas] Francesconi G, et al. Boll Mal Orecch Gola Naso 88:215-34, 1970 (Ita)
[On the reconstructive surgical treatment of radionecrosis of the mandible] Furian S. Minerva Chir 25:1252-4, 30 Sep 70 (Ita)
[The significance of melanotic skin pigmentation in radiotherapy] Traversin E. Quad Radiol 35:73-9, Jan-Feb 70 (Ita)
[Effect of ionizing radiations on the human kidney] Bollini V, et al. Radiobiol Radioter Fis Med 24:225-44, Jul-Aug 69 (Ita)
[6 cases of necrotic radiation-induced skin ulcer treated with local application of adrenochromosemicarbazone sulfonic ester (EMEX)] Salati O, et al. Radiobiol Radioter Fis Med 24:253-76, Jul-Aug 69 (Ita)
[Distribution of the exposure dosage in patients carrying radionuclides and related radio protective problems] Pompili G, et al. Radiol Med (Torino) 55:671-9, Jul 69 (Ita)
[Case of giant cell tumor of the bone with malignant changes after radiation treatment] Ishida T, et al. Orthop Surg (Tokyo) 22:121-5, Feb 71 (Jap)
[Effects of taurine in leukocytopenia associated with radiotherapy] Tanaka Y. Rinsho Hoshasen 16:123-6, Feb 71 (Jap)
[Effect of leyk on leukopenia induced by radiotherapy] Tatsuno I. Rinsho Hoshasen 15:871-6, Nov 70 (Jap)
[Peritonitis as a complication in radiation therapy of cancer of the cervix uteri] Jentys W, et al. Nowotwory 20:225-30, Jul-Sep 70 (Pol)
[Late post-irradiation changes after treatment of angiomas in children] Bordziłowska I, et al. Pol Tyg Lek 26:55-8, 11 Jan 71 (Pol)
[Post-irradiation leukemia in the course of breast cancer] Obrzut D, et al. Przegl Lek 24:649-50, 1968 (Pol)
[A case of considerable bone destruction of the skull along with the impairment of the cranial nerves in the course of an x-ray treatment of a neoplasm] Kuliziewicz T, et al. Wiad Lek 23:1567-70, 15 Sep 70 (Pol)
[False metastasis] Iancu I, et al. Rev Med Chir Soc Med Nat Iasi 75:201-4, Jan-Mar 71 (Rum)
[An unusual case of radiation injury of the lungs] Liubushin AA. Arkh Patol 32:67-70, 1970 (Rus)
[Post-radiation soft tissue sarcoma] Daniel'-Bek KV, et al. Med Radiol (Mosk) 16:20-4, Mar 71 (Rus)
[Carbohydrate hydrolysis during combined radiation therapy of cervical cancer] Geletskiĭ AN. Med Radiol (Mosk) 15:29-34, Sep 70 (Rus)
[Bronchologic study of lung cancer patients following radiation therapy] Pereslegin IA, et al. Med Radiol (Mosk) 15:3-7, Sep 70 (Rus)
[Methods of concentrated irradiation of the esophagus (experimental study)] Simbirtseva LP, et al. Med Radiol (Mosk) 16:10-5, Mar 71 (Rus)
[Radiation injury to the lungs during esophageal cancer treatment] Tikhonov KB, et al. Med Radiol (Mosk) 15:8-12, Sep 70 (Rus)
[Case of chronic myeloid leukosis following massive x-ray irradiation of the thymus gland for myasthenia] Petukhov VI. Probl Gematol Pereliv Krovi 15:53-4, Jun 70 (Rus)
[The so-called empty sella turcica syndrome] Zozulia IuA, et al. Vopr Neirokhir 35:18-21, Mar-Apr 71 (Rus)
[Actinic rectitis. Toupet's proctectomy] Ayarragaray AC. Prensa Med Argent 57:643-5, 29 May 70 (Spa)
[Iatrogenic risk factors in obstetrics] Baldi EM. Prensa Med Argent 58:298-306, 9 Apr 71 (Spa)
Cervical myelopathies caused by radiation. Report of 3 cases] Figini HA, et al. Prensa Med Argent 57:1755-8, 13 Nov 70 (Spa)
[Radiation injuries in the urinary tract] Jönsson G. Nord Med 85:122, 28 Jan 71 (Swe)
[Surgical treatment of radiation effects in the intestines] Tibblin S, et al. Nord Med 85:121-2, 28 Jan 71 (Swe)
[Renal atrophy without hypertension following abdominal irradiation in infants and children] Sagerman RH, et al. Ann Radiol (Paris) 12:278-84, 1969 (Mul)
[Carcinoma of the vulva following irradiation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

treatment of a gynecologic neoplasm] Mařka I, et al. Cesk Gynekol 36:242-3, May 71 (Slo)

HISTORY

[Pioneer times of radiotherapy in Frankfurt am Main] Strnad R, et al. Med Welt 25:1160-8, 20 Jun 70 (Ger)
[Roentgen-ray therapy. A historical survey] Bauer R. Roentgenpraxis 24:1-6, Jan 71 (Ger)

INSTRUMENTATION

A contour plotting device. Legal J, et al. Am J Roentgenol Radium Ther Nucl Med 111:182-3, Jan 71
Adjustable chair for radiotherapy of head and neck cancer. Boag JW, et al. Br J Radiol 44:316-7, Apr 71
Immobilization of patients during wide-field radiotherapy. Johnson RJ, et al. Br J Radiol 44:724-7, Sep 71
Radiotherapy treatment simulators--a case for special v. general purpose designs. Karzmark CJ. Br J Radiol 44:557-9, Jul 71
Treatment plan optimisation by the use of photographic film densitometry and closed-circuit television. Tatcher M, et al. Br J Radiol 43:664, Sep 70
A radiotherapy treatment chair. Watson GA, et al. Br J Radiol 44:317-8, Apr 71
Radiation control design for a converted 400 KVP x-ray therapy machine. Irwin CK, et al. Health Phys 18:415-6, Apr 70
A rapid method for preparation of 32P-applicators. Svobodová J, et al. Int J Appl Radiat Isot 22:213, Mar 71
Afterloading techniques. Ellis F. Proc R Soc Med 63:1034-5, Oct 70
A technique for afterloading implants using radioactive iridium wire. Gamble D. Proc R Soc Med 63:1034, Oct 70
Silicone rubber as a catheter sheath. Radiography 37:230-1, Sep 71
Use of a styrofoam block cutter to make tissue-equivalent compensators. Beck GG, et al. Radiology 100:694-6, Sep 71
Radiation-treatment simulators. Hendrickson FR, et al. Radiology 100:701-3, Sep 71
[Use of radioactive silk threads in the technic of brachyradiotherapy with plastic curled tubes] Moushmov M, et al. Ann Radiol (Paris) 14:491-5, May-Jun 71 (Fre)
[Technical device in irradiation with the betatron] Allain YM, et al. J Radiol Electrol Med Nucl 52:189-91, Mar-Apr 71 (Fre)
[Description and initial trial of the curetron (polyvalent projector of radioactive sources permitting complete protection in gynecologic curietherapy)] Chassagne D, et al. J Radiol Electrol Med Nucl 50:910-3, Dec 69 (Fre)
[Radio-active wire with linear activity gradually increasing towards the ends] Mihailov M, et al. J Radiol Electrol Med Nucl 52:43-5, Jan-Feb 71 (Fre)
[Prosthetic accessories for isotope irradiation in the mouth] Ritze H. Rev Stomatol Chir Maxillofac 72:183-6, Mar 71 (Fre)
[Analgesic and anti-inflammatory radiation treatment with hard ray therapy] Bally E. Radiol Clin Biol 39:297-303, 1970 (Ger)
[Technics of interstitial radiotherapy of tumors] Agati G. Cancro 22:467-81, 1969 (Ita)
[The functioning and economic problems of radiotherapeutic equipment] Geissler K, et al. Pol Przegl Radiol 35:337-43, May-Jun 71 (Pol)
[Structure of the semishadow] Dmokhovskiĭ VV. Med Radiol (Mosk) 15:70-4, Aug 70 (Rus)
[A rectal applicator for after-loading] Lun' KK, et al. Med Radiol (Mosk) 16:85-6, Mar 71 (Rus)
[Use in physiotherapy of new sources of radiation in the optical spectral band] Lavrova RG. Nov Med Priborostr 3:52-6, 1969 (Rus)
[Study of a combination detector, selenium phototransducer plus scintilliator, for radiation therapy] Mandel'tsvaĭg IuB. Nov Med Priborostr 3:108-16, 1967 (Rus)
[Method of determining the instantaneous values of the x-radiation characteristics of a therapeutic machine] Podgornyĭ VN. Nov Med Priborostr 3:125-31, 1969 (Rus)
[Analysis of possible errors in the registration of dose fields using a scanning isodosograph] Volkov VA. Nov Med Priborostr 3:105-12, 1969 (Rus)
[Selecting conditions for rotational irradiation on the "Rokus" gamma-therapy apparatus] Kozlov AP, et al. Vopr Onkol 16:38-43, 1970 (Rus)
[Immediate results in the therapy of patients with cancer of the epiglottis with a LEA-5 apparatus] Antoniv VF. Zh Ushn Nos Gorl Bolezn 29:56-62, Jul-Aug 69 (Rus)
[Cervitron-II. A new instrument for intracavitary radiotherapy] Cardis R, et al. Acta Oncol (Madr) 9:226-31, Jul-Dec 70 (Spa)
[90Sr-surface applicators] Bärring NE, et al. Nord Med 84:1306, 8 Oct 70 (Swe)
[Portable 90Sr--90Y-applicator with exchangeable plast-shunt for extracorporeal blood irradiation] Sköldborn H, et al. Nord Med 84:1305-6, 8 Oct 70 (Swe)
[New trends in the long-distance control of encapsulated radiation sources] Walstam R. Nord Med 85:630, 20 May 71 (Swe)

MORTALITY

[Practical evaluation of survival curves] Pemsel HK, et al. Strahlentherapie 141:566-72, May 71 (Ger)
[Two methods of the non-distributive prognosis of survival curves] Popp FA, et al. Strahlentherapie 141:559-65, May 71 (Ger)

VETERINARY

Veterinary radiotherapy. Gillette EL. J Am Vet Med Assoc 157:1707-12, 1 Dec 70

RADIOTHERAPY DOSAGE (E1, E2)

High energy roentgen ray contamination of the electron beam from a medical betatron. Brenner M. Acta Radiol [Diagn] (Stockh) Suppl 254:106-, 1966
Shielded intra-uterine applicator for a remote afterloading technique in the treatment of carcinoma of the uterine cervix. Bäckström A, et al. Acta Radiol [Ther] (Stockh) 10:225-30, Apr 71
Mathematical simulation of radiation therapy of solid tumors. II. Fractionation. Fischer JJ. Acta Radiol [Ther] (Stockh) 10:267-78, Apr 71
Electron beam depth dose distribution evaluation. Jacobson A, et al. Acta Radiol [Ther] (Stockh) 9:545-54, Dec 70
LiF surface and depth dose measurements of megavoltage photon and electron beams. Kartha M, et al. Acta Radiol [Ther] (Stockh) 10:279-88, Apr 71
Dose measurements in oesophagus in cobalt 60 rotation therapy. McEwan AC, et al. Acta Radiol [Ther] (Stockh) 9:618-21, Dec 70
Afterloading Heyman applicators. Simon N, et al. Acta Radiol [Ther] (Stockh) 10:231-8, Apr 71
Mantle treatment of Hodgkin's disease with cobalt 60. Technique and dosimetry. Svahn-Tapper G, et al. Acta Radiol [Ther] (Stockh) 10:33-55, Feb 71
Tissue maximum-dose ratio (Tmr) for 8 MV X rays. Agarwal SK, et al. Am J Roentgenol Radium Ther Nucl Med 112:797-802, Aug 71
Practical aspects of betatron electron beam dosimetry. Jacobson A, et al. Am J Roentgenol Radium Ther Nucl Med 111:607-12, Mar 71
A table for the normalization of time-dose relationships. Kroening PM, et al. Am J Roentgenol Radium Ther Nucl Med 112:803-5, Aug 71
Variation in the position of the central axis maximum build-up point with field size for high-energy photon beams. Almond P, et al. Br J Radiol 43:911, Dec 70
A simple method of making the "isodose shift" obliquity correction. Barry LM, et al. Br J Radiol 43:910-1, Dec 70
The calculation and measurement of exposure distributions from 60 Co ophthalmic applicators. Casebow MP. Br J Radiol 44:618-24, Aug 71
Fourth Progress Report on the British Institute of Radiology fractionation study on 3F-week or 5F-week treatment of larynx and pharynx. Ellis F, et al. Br J Radiol 44:211-3, Mar 71
Dependence of exposure rate upon field size and shape. Herbert D. Br J Radiol 44:75, Jan 71
Surface effects of high-energy X rays at oblique incidence. Jackson W. Br J Radiol 44:109-15, Feb 71
Wax retraction as a technique for compensating the effect of surface irregularities in high-energy radiotherapy. Jackson W. Br J Radiol 43:859-67, Dec 70
The dosimetry of 90 SR Ophthalmic applicators. Jones CH, et al. Br J Radiol 44:238, Mar 71
Practical aspects of 90Sr ophthalmic applicator dosimetry. Jones CH, et al. Br J Radiol 44:203-10, Mar 71
Nominal standard dose and the ret. Liversage WE. Br J Radiol 44:477-8, Jun 71
Tissue-air ratio formulae in 60Co teletherapy dosimetry. Meiski J. Br J Radiol 43:825-6, Nov 70
An examination of some methods of improving the depth dose characteristics of cyclotron-produced fast neutron beams. Parnell CJ. Br J Radiol 44:612-7, Aug 71
The differential effect of continuous irradiation at low dose-rate. Pierquin B, et al. Br J Radiol 44:236-7, Mar 71
Doubts about the nominal standard dose. Probert JC. Br J Radiol 44:648, Aug 71
Results of intra-operative interstitial radiotherapy with delayed afterloading and dose fractionation. Sahatchiev AA, et al. Br J Radiol 44:120-1, Feb 71
Treatment plan optimisation by the use of photographic film densitometry and closed-circuit television. Tatcher M, et al. Br J Radiol 43:664, Sep 70
Empirical formulae for the automation of radium dosage calculations. Tatcher M, et al. Br J Radiol 44:727-8, Sep 71
Cumulative radiation effect. I. Fractionated treatment regimes. Kirk J, et al. Clin Radiol 22:145-55, Apr 71
Radiotherapeutic requirements of 14 MeV fast neutron beams with respect to depth-dose and collimation. Duncan W, et al. Eur J Cancer 7:129-34, May 71
The influence of cell proliferation in tumours and normal tissues during fractionated radiotherapy. Dutreix J, et al. Eur J Cancer 7:205-13, May 71
RBE values for cyclotron neutrons for effects on normal tissues and tumours as a function of dose and dose fractionation. Field SB, et al. Eur J Cancer 7:161-9, May 71
Time-dose relationships in radiotherapy. Fowler JF, et al. Eur J Cancer 6:207-21, Jun 70 (46 ref.)
Therapeutic margins in clinical radiotherapy with conventional types of radiations and their implications for neutron therapy. Kligerman MM. Eur J Cancer 7:191-4, May 71
Dosimetry in neutron radiotherapy. Rossi HH. Eur J Cancer 7:115-20, May 71
An automated system for rapid determination of half-value thickness. King RJ, et al. Health Phys 19:681-4, Nov 70
Visual function responses of patients receiving X- or 60Co gamma-radiation therapy in the region of head and neck. Devi SK, et al. Int J Radiat Biol 19:279-92, 1971
Radium applicator dose calculations by small computer. Wilkinson PN, et al. J Am Osteopath Assoc 70:1058, Jun 71
Composite isodose calculation with a digital computer. Application to total pelvis irradiation in cervical carcinoma with telecobalt radiation. Debois JM, et al. J Belge Radiol 52:190-5, 1969
Development of chromosome studies in relation to the dosimetry of acute and chronic radiation exposure. McLean AS. J Belge Radiol 53:387-96, Sep-Oct 70
Computerized dosimetry for cancer patients now available in South Carolina. Wallace KM. J SC Med Assoc 67:353-4, Aug 71
Radiosensitivity--what is it? Rider WD. Laryngoscope 81:1045-56, Jul 71
Computer and thermoluminescent dosimetry studies in the moving strip. Wallace JM. Minerva Pediatr 67:735-7, Oct 70
Medical x-ray exposure among Hiroshima and Nagasaki A-bomb survivors. Russell WJ. Nippon Acta Radiol 30:12-54, Jan 71
The use of commercially available ionization chambers for absorbed dose calibrations of high energy x-rays and electron beams. Almond PR, et al. Phys Med Biol 16:497-502, Jul 71
An ionization chamber for the dosimetry of 14 MeV neutron beams. Greene D. Phys Med Biol 16:489-96, Jul 71
The recoil proton dose across a bone-tissue interface due to fast neutrons. Prasad MA, et al. Phys Med Biol 16:461-6, Jul 71
A direct experimental evaluation of computed cobalt-60 rotation dose distributions. Rawlinson JA, et al. Phys Med Biol 16:511-9, Jul 71
The use of high activity cobalt 60 sources for intracavitary and surface mould therapy. Joslin CA, et al. Proc R Soc Med 63:1029-34, Oct 70
The RBE of negative pions in 2-day-old ascites tumors. Feola JM, et al. Radiat Res 44:637-48, Dec 70
A new instrument for measuring dose-rate. Radiography 36:169, Jul 70
Basic phenomena in x-ray therapy of malignant tumours. Waard RH de. Radiol Clin Biol 39:381-96, 1970
Application of the oxygen factor to clinical radiotherapy. Du Sault LA. Radiology 100:675-8, Sep 71
Gonadal dose in male radiotherapy patients. Green JD, et al. Radiology 98:661-3, Mar 71
Computer dosimetry of partially blocked fields in cobalt teletherapy. Khan FM. Radiology 97:405-11, Nov 70
Modification of dose distribution in high-energy electron beam treatment. Okumura Y, et al. Radiology 99:683-6, Jun 71
In vivo radiation dosimetry. Review of a 12-year experience. Roswit B, et al. Radiology 97:413-24, Nov 70 (53 ref.)
Time-dose relationships in radiation therapy of lymphosarcoma and giant follicle lymphoma. Seydel HG, et al. Radiology 98:411-8, Feb 71
Percutaneous 198Au grain implantation method and computerized dosimetry in the treatment of head and neck tumors. Son YH, et al. Radiology 98:425-9, Feb 71
The importance of build-up thickness in the dose increase produced adjacent to voids in tissue-equivalent material exposed to 10-35 MeV electrons. Starchman DE, et al. Radiology 98:435-7, Feb 71
Dose response in human and experimental radiation-induced heart disease. Application of the nominal standard dose (NSD) concept. Stewart JR, et al. Radiology 99:403-8, May 71
On the advisability of treating all fields at each radiotherapy session. Wilson CS, et al. Radiology 98:419-24, Feb 71
A computer method for calculating multi-field and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rotational dose distributions in Co-60 teletherapy. Jayaraman S. Strahlentherapie 140:283-5, Sep 70
Measurement of radiation doses in vivo during radiotherapy of gynaecological carcinoma. Kivinitty K, et al. Strahlentherapie 141:400-3, Apr 71
Clinical and theoretical models in radiotherapy. Spring E, et al. Strahlentherapie 140:508-14, Nov 70
The dose rate factor from interstitial irradiation with 103-palladium and 109-palladium. Ariel IM, et al. Surg Gynecol Obstet 132:817-31, May 71
Radiotherapy of eye diseases. Andersen SR. Trans Pac Coast Otoophthalmol Soc 50:237-63, 1969 (36 ref.)
[Automated planning of radiotherapy] Houdek P, et al. Cesk Radiol 25:7-10, Jan 71 (Cze)
[Photographic radiodosimetry: the A.E.R.E.-R.P.S. film dosimeter] Segaert O. J Belge Radiol 51:Suppl:14-8, 1968 (Dut)
[Technical problems in gynecologic radiotherapy] Alessandrini G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:250-2, Jun-Aug 69 (Fre)
[Dosimetry by films and criticality dosimeters] Boulenger R, et al. J Belge Radiol 51:Suppl:1-13, 1968 (Fre)
[Control and equalization of the electron fields of a 35 MeV betatron] Dam J van, et al. J Belge Radiol 53:201-3, 1970 (Fre)
[Radioprotection dosimetry in X contact therapy] Garsou J. J Belge Radiol 52:23-6, 1969 (Fre)
[Calculation of telecobalt therapy irradiation by using a computer] Prignot M, et al. J Belge Radiol 52:196-9, 1969 (Fre)
[Place and indications for external radiotherapy in cervix cancer] Sarrazin D. J Belge Radiol 53:364-78, Sep-Oct 70 (Fre)
[New method of irradiation of complex regional volumes: acquired experience and perspective] Abbatucci JS, et al. J Radiol Electrol Med Nucl 50:907-10, Dec 69 (Fre)
[Prospects offered by a computer program on calculating dosage in gynecologic curietherapy] Chassagne D, et al. J Radiol Electrol Med Nucl 51:647-50, Nov 70 (Fre)
[A deduction from the two-thirds method for the determination of isodoses in telecobaltotherapy under oblique incidence] Gros C, et al. J Radiol Electrol Med Nucl 51:41-2, Jan-Feb 70 (Fre)
[Precalculated isodoses in crown therapy with 2 MV X-ray generators] Légaré JM, et al. J Radiol Electrol Med Nucl 51:197-205, May 70 (Fre)
[Predicted dosimetry in endocurietherapy (one-plane radiferous device; computer study)] Pierquin B, et al. J Radiol Electrol Med Nucl 50:Suppl 5:377+, May 69 (Fre)
[Study of a computer program for calculation of dosage in gynecologic curietherapy] Rosenwald JC, et al. J Radiol Electrol Med Nucl 51:651-4, Nov 70 (Fre)
[Computerized dosimetry of radio-iridium molds] Sinistrero G, et al. J Radiol Electrol Med Nucl 51:399-402, Jun-Jul 70 (Fre)
[Roentgentherapy with massive and spaced doses] Zarandieta JG, et al. J Radiol Electrol Med Nucl 51:159-61, Mar-Apr 70 (Fre)
[In vitro measurements of damaging effects on cancer cells with good substrate supply by combined attacks with nordihydroguaiaretic acid 40 degree C hyperthermia with and without an x-ray dose of 1000 r] Ardenne M von, et al. Arch Geschwulstforsch 34:1-12, 1969 (Ger)
[Computer-calculated dose distributions in the megavolt therapy of gynecologic tumors] Fehrentz D, et al. Arch Gynaekol 209:222-36, 31 Aug 70 (Ger)
[First results in the estimation of dosage distribution in tangential stationary-fields using a digital computer] Heilmann HP, et al. Fortschr Geb Roentgenstr Nuklearmed 114:839-43, Jun 71 (Ger)
[Electronic calculation of radium position following stereometric x-ray pictures and its relation to radiation exposure of the bladder and intestine] Frischkorn R, et al. Geburtshilfe Frauenheilkd 31:648-53, Jul 71 (Ger)
[Results of radiotherapy with high single doses for esophageal carcinoma] Balmuchanov SB, et al. Radiobiol Radiother (Berl) 11:225-34, 1970 (Ger)
[Present state of the theoretical ideas on the dosage-time problem in radiation therapy] Kriester A. Radiobiol Radiother (Berl) 11:475-82, 1970 (Ger)
[Analgesic and anti-inflammatory radiation treatment with hard ray therapy] Bally E. Radiol Clin Biol 39:297-303, 1970 (Ger)
[Individual radiation planning as a prerequisite for the use of complicated technics in megavolt therapy] Heilmann HP. Roentgenpraxis 24:159-67, Jul 71 (Ger)
[The problem of dose and time. Comparative volumetric examinations of irradiated metastases] Alth G. Strahlentherapie 141:396-9, Apr 71 (Ger)
[Pendulum irradiation of the bladder with cobalt 60] Bunde E, et al. Strahlentherapie 141:620-31, May 71 (Ger)
rhythm on the regression of human tumors] Eichhorn HJ, et al. Strahlentherapie 140:148-55, Aug 70 (Ger)
[Studies on the energy dependency of dosimeters demonstrated on a 42 megavolt betatron] Fehrentz D, et al. Strahlentherapie 140:71-7, Jul 70 (Ger)
[Comparison of dose distributions in high-voltage roentgen rays up to 42 MV and cobalt-60-gamma rays] Fehrentz D, et al. Strahlentherapie 139:143-58, Feb 70 (Ger)
[The tissue-maximum radiation dosage ratio for 42 and 25 MV x-rays of a 42 Me V betatron] Fehrentz D, et al. Strahlentherapie 141:662-5, Jun 71 (Ger)
[Selection of the section plane and transformation of geometric irradiation data in static field irradiation] Gantchew M, et al. Strahlentherapie 139:291-7, Mar 70 (Ger)
[Radiation loading of bone marrow in x-ray therapy of the spine in non-blastomatous diseases] Hrabovszky Z, et al. Strahlentherapie 140:515-8, Nov 70 (Ger)
[Experimental testing of a hypothesis for the interpretation of time factor effects] Kaufmann H. Strahlentherapie 140:296-301, Sep 70 (Ger)
[A program for the computation of dose distribution in 60 Co-gamma-radiation teletherapy. II. Establishing and modus operandi of the program] Leetz HK. Strahlentherapie 141:682-90, Jun 71 (Ger)
[A program for the computation of dose distribution in 60 Co-gamma-radiation teletherapy. 3. Experimental studies] Leetz HK. Strahlentherapie 141:691-5, Jun 71 (Ger)
[The influence of electron diffusion on heterogeneous edges] Manegold K. Strahlentherapie 140:647-50, Dec 70 (Ger)
[Relation of cell survival rate, suspending errors and dosage gradient] Matschke S. Strahlentherapie 140:291-5, Sep 70 (Ger)
[Biophysical model for irradiation therapy in fractionated doses] Pohlit W. Strahlentherapie 140:392-9, Oct 70 (Ger)
[Calculation of the depth dose distribution for the arbitrary rectangle fields from the depth dose table for the central irradiation of circular or quadratic fields] Popp FA. Strahlentherapie 139:532-7, May 70 (Ger)
[Principle of deep dosage computation in 60Co telegamma irradiation in the Radiologic Clinic of the University of Marburg] Popp FA, et al. Strahlentherapie 141:612-9, May 71 (Ger)
[Measuring of the standard ionic dose in compact and liquid media during x-ray and gamma irradiation by energies between 50keV and 3MeV. VI. Studies on the influence of volume in ionization chambers] Rakow A, et al. Strahlentherapie 141:332-5, 1971 (Ger)
[Advantages of the increase in tube voltage from 200 to 300 kV in conventional radiotherapy as demonstrated on the example of pendulum irradiation in esophageal carcinomas] Rassow J, et al. Strahlentherapie 139:284-90, Mar 70 (Ger)
[Deep electron therapy by pendulum irradiation. 3. Foundations of a new dose integration method for the calculation of dose distribution in pendulum irradiation] Rassow J. Strahlentherapie 139:117-38, Feb 70 (Ger)
[Method for postoperative pendulum irradiation of breast cancer applying different electron energy levels] Schmidt-Hermes HJ. Strahlentherapie 139:139-42, Feb 70 (Ger)
[Description of radiation fields by separation of primary and scattered radiation. IV. Calculation of distribution for parallel photon radiation fields] Schoknecht G. Strahlentherapie 141:326-31, 1971 (Ger)
[Effect of the size of cobalt-60-courses (1 and 2cm) on the field length penumbra width, dosage distribution and lateral steepness in irradiation with and without penumbral trimmer. Photometric measures on a phantom] Weishaar J, et al. Strahlentherapie 140:173-84, Aug 70 (Ger)
[Standardization of the 2- and 4-axial Co60 pendulum irradiation of the small pelvis. (Possibilities for a simplified calculation of the dosage parameter)] Welker K, et al. Strahlentherapie 141:655-61, Jun 71 (Ger)
[Criteria for estimation of radiation protection situation in the contact therapy and its application in GDR-overview] Makedanz A. Z Gesamte Hyg 16:751-60, Oct 70 (Ger)
[Application of the electronic computer to the planning of radiotherapy] Tatcher M, et al. Harefuah 77:403-5, 2 Nov 69 (Heb)
[Use in radiology of a desk electronic computer] Oliva L, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1307-11, 1968 (Ita)
[On the radiotherapeutic possibilities in medullary neoplasms in relation to the tolerance of the nerve tissue] Macarini N, et al. Cancro 23:49-59, 1970 (Ita)
[Ionization dosimetry for mixed gamma-fast neutron doses] Daddi L, et al. Minerva Fisiconucl 13:141-4, Apr-Jun 69 (Ita)
[Thermoluminescence radiation dosimetry using high energy betatron electronic beams] Tosi G, et al. Minerva Fisiconucl 14:65-9, Apr-Jun 70 (Ita)
[Dosimetry of high-energy electron beams (12-32 MeV) Minerva Fisiconucl 13:135-40, Apr-Jun 69 (Ita)
[Dosimetry of utero-vaginal radiotherapy in clinical practice] Agelao G, et al. Minerva Ginecol 21:949-66, 15 Aug 69 (Ita)
[Electronic computer for determining radiation dosage in the treatment of cancer] Minerva Med 62:Suppl:8, Jun-Jul 71 (Ita)
[Fractionation of the radiotherapy dose. Biological bases and equivalence nomograms] Bagni B, et al. Minerva Radiol 15:63-76, Mar 70 (Ita)
[Calculation of the dose in the use of protective grids] Granone FG, et al. Minerva Radiol 15:36-7, Jan-Feb 70 (Ita)
[Notes on gamma teletherapy of esophageal cancer] Granone FG, et al. Minerva Radiol 14:553-61, Dec 69 (Ita)
[Orthokinetic radiotherapy] Lovera G. Minerva Radiol 14:549-54, Dec 69 (Ita)
[Automation of the analysis of doses in radiotherapy] Rocha AF da, et al. Minerva Radiol 15:77-85, Mar 70 (Ita)
[Radiotherapy of cancer of the esophagus] Vitale V, et al. Minerva Radiol 15:86-97, Mar 70 (Ita)
[Research on the methods of calculation of the focal dose for intrathoracic tumors in relation to the dishomogeneity of the absorbing medium] Salomoni E. Policlinico [Prat] 77:1689-95, 28 Dec 70 (Ita)
[Therapeutic uses of radium studied from the physical and technical points of view] Camuffo D, et al. Quad Radiol 35:163-94, 26 Oct 69 (Ita)
[Physical and clinical considerations on the choice of the maximum energy of fast electrons for their effective use] Carletti L, et al. Quad Radiol 35:195-202, 26 Oct 69 (Ita)
[Problems of general radiobiology. 9. Radiobiologic and dosimetric problems in internal or metabolic isotope therapy] Casati A. Radiol Med (Torino) 56:421-32, May 70 (Ita)
[Preliminary results of radiotherapy with the 42 MeV betatron in bronchopulmonary tumors] Coucourde F, et al. Radiol Med (Torino) 55:575-91, Jun 69 (Ita)
[Distribution of the exposure dosage in patients carrying radionuclides and related radio protective problems] Pompili G, et al. Radiol Med (Torino) 55:671-9, Jul 69 (Ita)
[Biological and clinical approach to the problem of tumor radiosensitivity] Oliva L, et al. Tumori 56:207-22, Jul-Aug 70 (Ita)
[Problems of irradiation during surgery and distribution of the dosage] Abe M. Jap J Cancer Clin 17:375-7, May 71 (Jap)
[Fractionated irradiation of tumor models] Urano M. Jap J Cancer Clin 17:357-9, May 71 (Jap)
[Automatic control of telecobalt unit by transit dose measurement. I. Experimental formula for tissue-air ratios] Egawa J, et al. Nippon Acta Radiol 31:253-8, Jun 71 (Jap)
[Effect of bone absorption on dose of high energy electron beam] Inada T. Nippon Acta Radiol 31:7-12, Apr 71 (Jap)
[Automatic recording of dose distribution in moving-field radiotherapy] Kitabatake T, et al. Nippon Acta Radiol 30:1132-6, Mar 71 (Jap)
[Quick death after high-dosage irradiation with 60 MeV elect.rons] Sakka M, et al. Nippon Acta Radiol 30:566-8, Sep 70 (Jap)
[Evaluation of gamma ray dosage in the rectum during treatment of carcinoma of the uterine cervix with radium] Nozdryn-Plotnicki B, et al. Nowotwory 20:107-13, Apr-Jun 70 (Pol)
[Sex chromatin in malignant tumors of the breast in patients subjected to preoperative irradiation] Loboda VI. Arkh Patol 32:37-41, 1970 (Rus)
[Dosimetry of the proton beam] Astrakhan BV, et al. Med Radiol (Mosk) 15:55-62, Jul 70 (Rus)
[Comparison of dose distribution by the method of reciprocal deduction] Denisenko ON, et al. Med Radiol (Mosk) 15:74-6, Jul 70 (Rus)
[Structure of the semishadow] Dmokhovskii VV. Med Radiol (Mosk) 15:70-4, Aug 70 (Rus)
[Calculation of the parameters of the dispersion foil for the electron beam of the betatron B5M-25] Kozlov AP, et al. Med Radiol (Mosk) 15:55-60, Nov 70 (Rus)
[Use of Sterling's method to calculate isodose curves of the apparatus "Rokus"] Kozlov AP, et al. Med Radiol (Mosk) 15:70-4, Jul 70 (Rus)
[Results of radiotherapy in several forms of malignant tumors depending on the single dose amount] Kozlova AV. Med Radiol (Mosk) 15:19-24, Oct 70 (Rus)
[Spectral-directional characteristics of an electron beam during irradiation of a tissue-equivalent medium] Ljubomirov AM, et al. Med Radiol (Mosk) 15:63-9, Jul 70 (Rus)
[Dose distribution in rotational irradiation with regular speed] Paviov AS, et al. Med Radiol (Mosk) 15:63-9, Oct 70 (Rus)
[Chart preparation and dose calculation in telegammatherapy with a lead screen] Peresiegin IA, et al. Med Radiol (Mosk) 15:65-70, Aug 70 (Rus)
[Method of dosage at the layer level of semiweakening of the absorbed dose in short-distance roentgenotherapy] Ruderman AI, et al. Med Radiol (Mosk) 15:52-5, Jul 70 (Rus)
homogenous and heterogeneous human chest

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

phantoms] Skoropad IuD.
Med Radiol (Mosk) 15:77-81, Aug 70 (Rus)
[Calculation of the absorbed dose in intracavitary gamma-therapy of cancer of the uterine cervix according to the principle of sequential application of the source of radiation] Titova VA, et al.
Med Radiol (Mosk) 16:65-8, Mar 71 (Rus)
[Experience in the use of thermoluminescent detectors in clinical and experimental dosimetry] Kuznetsov VA, et al.
Nov Med Priborostr 3:89-91, 1969 (Rus)
[Combined drug and radiation therapy with cancer of the esophagus] Baimukhanov SB; et al.
Vopr Onkol 16:7-14, 1970 (Rus)
[Selecting conditions for rotational irradiation on the "Rokus" gamma-therapy apparatus] Kozlov AP, et al.
Vopr Onkol 16:38-43, 1970 (Rus)
[The role of diagnosis of the extent of the tumor process in the planning of radiotherapy] Pavlov AS.
Vopr Onkol 17:3-9, 1971 (Rus)
[Proximal radiotherapy and low voltage radiotherapy with beryllium window tube. Comparative study of dosage drop in a homogenous phantom material] Risco A.
Actas Dermosifiliogr 61:187-204, Jul-Aug 70 (Spa)
[In vivo dosage in telecobalt treatment of lymph nodes] Taskinen PJ, et al. Nord Med 85:940, 5 Aug 71 (Swe)

INSTRUMENTATION

A new treatment time calculator designed to avoid errors in 60Co therapy. Sutherland WH.
Br J Radiol 44:221-3, Mar 71
An instrument for measuring small differences in dose rate at points in a radiation beam. Naylor GP, et al.
Phys Med Biol 16:525-8, Jul 71
Automatic recording of dose distribution in moving-field radiotherapy. Kitabatake T, et al.
Tohoku J Exp Med 104:99-103, May 71
[New acrylic resins devices in curiotherapy] Tetti A, et al. Minerva Ginecol 21:416-20, 15 Apr 69 (Ita)
[An electronic computer decides radiation dosage in the therapy of cancer]
Rass Int Clin Ter 51:118-9, 31 Jan 71 (Ita)
[Automatic equipment for registering isodose distribution] Bochkarev EG, et al.
Med Radiol (Mosk) 15:62-7, Sep 70 (Rus)
[Simple scheme for a monitor for a scanning isodosograph] Volkov VA, et al.
Nov Med Priborostr 3:101-4, 1969 (Rus)
[New trends in the long-distance control of encapsulated radiation sources] Walstam R.
Nord Med 85:630, 20 May 71 (Swe)

STANDARDS

Intercomparisons of absorbed dose in cobalt 60 teletherapy using mailed LiF dosimeters. II. Results for Canada and six Asian countries. Pfalzner PM, et al.
Acta Radiol [Ther] (Stockh) 9:501-12, Dec 70
Nominal standard dose and the ret. Ellis F.
Br J Radiol 44:101-8, Feb 71
Experimental animal results relating to time-dose relationships in radiotherapy and the "ret" concept. Fowler JF. Br J Radiol 44:81-90, Feb 71 (40 ref.)
A critical look at the ret. Liversage WE.
Br J Radiol 44:91-100, Feb 71
How many rads per Paterson-Parker röntgen? Porter EH. Br J Radiol 43:629-37, Sep 70
Purity tests of a 68Ge-68Ga generator. Barrall RC, et al.
Int J Appl Radiat Isot 22:149-54, Mar 71
Protocol for the dosimetry of x- and gamma-ray beams with maxi um energies between 0-6 and 50 MeV. Scientific Committee on Radiation Dosimetry (SCRAD) of the American Association of Physicists in Medicine. Phys Med Biol 16:379-96, Jul 71
[Standard technic of calculations in pouring a concentrated radon solution for the preparation of radon baths] Andreev SV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:454-8, Sep-Oct 70 (Rus)

VETERINARY

[Distribution of absorbed doses during local irradiation of animals] Korenkov IP, et al.
Veterinariia 6:79-80, Jun 70 (Rus)

RADIOTHERAPY, HIGH ENERGY (E2)

Tissue maximum-dose ratio (Tmr) for 8 MV X rays. Agarwal SK, et al.
Am J Roentgenol Radium Ther Nucl Med 112:797-802, Aug 71
Negative pions: their possible use in radiotherapy. Bond VP.
Am J Roentgenol Radium Ther Nucl Med 111:9-26, Jan 71
Adjuvant chemotherapy in the radical treatment of carcinoma of the breast--a clinical trial. Finney R.
Am J Roentgenol Radium Ther Nucl Med 111:137-41, Jan 71
Unusual radiation response in various inoperable radioresistant tumors. Guttmann R.
Am J Roentgenol Radium Ther Nucl Med 111:350-4, Feb 71
Synchronous shielding and field shaping for megavolt irradiation of advanced cervical carcinoma. Ilfeld DN, et al.
Am J Roentgenol Radium Ther Nucl Med 112:792-6, Aug 71
Practical aspects of betatron electron beam dosimetry. Jacobson A, et al.
Am J Roentgenol Radium Ther Nucl Med 111:607-12, Mar 71
Variable block-surface-distance (BSD) for adjustment of shadow size in mantle therapy. Maruyama Y, et al.
Am J Roentgenol Radium Ther Nucl Med 111:382-7, Feb 71
A simple bolus mould for increasing surface dose with high energy beams. Scheele RV, et al.
Am J Roentgenol Radium Ther Nucl Med 112:764-5, Aug 71
Introduction to symposium on high LET radiation. Ter-Pogossian M.
Am J Roentgenol Radium Ther Nucl Med 111:7-8, Jan 71
Significance of internal mammary lymph node metastases in breast cancer. Urban JA, et al.
Am J Roentgenol Radium Ther Nucl Med 111:130-6, Jan 71
A passive treatment verification device. Van Roosenbeek E, et al.
Am J Roentgenol Radium Ther Nucl Med 111:625-7, Mar 71
Variation in the position of the central axis maximum build-up point with field size for high-energy photon beams. Almond P, et al. Br J Radiol 43:911, Dec 70
An investigation into the clinical effects of fast neutrons. Methods and early observations. Catterall M, et al. Br J Radiol 44:603-11, Aug 71
Considerations on the use of 14 MeV neutrons for radiotherapy. Duncan W, et al.
Br J Radiol 44:713-5, Sep 71
The attenuation of 14 MeV neutrons in calcium-based concrete and the resultant production of radioactivity. Greene D, et al.
Br J Radiol 44:116-9, Feb 71
A comparison of the response of tumour and normal tissue in the mouse exposed to single doses of fast neutrons or electrons. Hill RP, et al.
Br J Radiol 43:894-7, Dec 70
Surface effects of high-energy X rays at oblique incidence. Jackson W. Br J Radiol 44:109-15, Feb 71
Wax retraction as a technique for compensating the effect of surface irregularities in high-energy radiotherapy. Jackson W. Br J Radiol 43:859-67, Dec 70
A comparison of heavy water and beryllium as cyclotron targets for fast neutron production for radiotherapeutic applications. Parnell CJ, et al.
Br J Radiol 44:63-6, Jan 71
Tumours of the bladder. Garrett MJ.
Br Med J 1:402, 13 Feb 71
Cyclophosphamide and radiation therapy in the treatment of hemangioendothelioma with disseminated intravascular clotting. al-Rashid RA.
Cancer 27:364-8, Feb 71
Effect of prior splenectomy on hematologic tolerance during total lymphoid radiotherapy of patients with Hodgkin's disease. Salzman JR, et al.
Cancer 27:471-8, Feb 71
The treatment of carcinoma of the bladder by external irradiation. A clinical trial. II. Finney R.
Clin Radiol 22:225-9, Apr 71
Policy and results of treatment by radiotherapy of carcinoma of the bladder in Leeds. Frank HG.
Clin Radiol 21:425-30, Oct 70
Concluding remarks on the application of fast neutrons in clinical radiotherapy. Barendsen GW, et al.
Eur J Cancer 7:263-4, May 71
Physical characteristics of fast neutron beams. Bewley DK. Eur J Cancer 7:99-104, May 71
Evaluation of past experience with fast neutron teletherapy and its implications for future applications. Brennan JT, et al.
Eur J Cancer 7:219-25, May 71
Clinical experience with fast neutrons from the Medical Research Council's cyclotron at Hammersmith Hospital. Catterall M.
Eur J Cancer 7:227-9, May 71
Possibilities for the application of fast neutrons in Manchester. Duncan W. Eur J Cancer 7:237-40, May 71
Summary of general discussion on radiobiological aspects of fast neutrons in radiotherapy. Elkind MM.
Eur J Cancer 7:249-57, May 71
Summary of general discussion on radiotherapeutic aspects of the clinical application of fast neutrons. Fowler JF. Eur J Cancer 7:259-62, May 71
Therapeutic margins in clinical radiotherapy with conventional types of radiations and their implications for neutron therapy. Kligerman MM.
Eur J Cancer 7:191-4, May 71
Response of a poorly reoxygenating mouse osteosarcoma to x-rays and fast neutrons. Putten LM van, et al. Eur J Cancer 7:153-60, May 71
The oxygen effect and radiotherapy with fast neutrons. Thomlinson RH. Eur J Cancer 7:139-44, May 71
Considerations in planning a clinical trial with fast neutrons. Withers HR, et al.
Eur J Cancer 7:231-5, May 71
Influence of incidence angle of monoenergetic neutrons on dose equivalent distribution for recoil nuclei in man's phantom. Zolotukhin VG, et al.
Health Phys 20:205-12, Feb 71
Neutron dose distributions for californium-252 sources. Nagarajan PS, et al.
Int J Appl Radiat Isot 22:325-9, Jun 71
Mesonephric adenocarcinoma of the vagina in a 7-month-old infant simulating sarcoma botryoides. Successful control with supervoltage radiotherapy. Siegel HA, et al. J Pediatr Surg 5:468-70, Aug 70
The use of commercially available ionization chambers for absorbed dose calibrations of high energy x-rays and electron beams. Almond PR, et al.
Phys Med Biol 16:497-502, Jul 71
Energy calibration points for clinical electron accelerators. Anderson DW, et al.
Phys Med Biol 15:349-54, Apr 70
An ionization chamber for the dosimetry of 14 MeV neutron beams. Greene D.
Phys Med Biol 16:489-96, Jul 71
An instrument for measuring small differences in dose rate at points in a radiation beam. Naylor GP, et al.
Phys Med Biol 16:525-8, Jul 71
The recoil proton dose across a bone-tissue interface due to fast neutrons. Prasad MA, et al.
Phys Med Biol 16:461-6, Jul 71
The management of recurrences of malignant tumors of the uterine cervix by 42 MeV betatron. Coucourde F, et al. Radiol Clin Biol 39:407-18, 1970
An introduction to electron beam therapy. Holcomb MH. Radiol Technol 42:138-43, Nov 70
A technique for imaging patient treatment area during a therapeutic radiation exposure. Haus AG, et al.
Radiology 97:653-6, Dec 70
Modification of dose distribution in high-energy electron beam treatment. Okumura Y, et al.
Radiology 99:683-6, Jun 71
The importance of build-up thickness in the dose increase produced adjacent to voids in tissue-equivalent material exposed to 10-35 MeV electrons. Starchman DE, et al.
Radiology 98:435-7, Feb 71
[Exclusive high-energy radiotherapy with Co60 and electron beam of epitheliomas of the ethmoid bone and the maxillary sinus] Bataini JP, et al.
Ann Otolaryngol Chir Cervicofac 87:553-61, Sep 70 (Fre)
[Value of accelerated electron beams in the radiotherapy of breast cancer] Bataini JP, et al.
Bull Cancer (Paris) 56:67-72, Jan-Mar 69 (Fre)
[Electron therapy of epithelioma of facial sinuses. 3-year results] Bataini JP, et al.
Bull Cancer (Paris) 56:61-6, Jan-Mar 69 (Fre)
[Characteristics and dosimetry problems of high energy electrons] Dutreix J.
Bull Cancer (Paris) 56:3-12, Jan-Mar 69 (Fre)
[Role of transcutaneous radiotherapy in the treatment of pituitary adenoma] Ennuyer A, et al.
Bull Cancer (Paris) 56:135-68, Apr-Jun 69 (Fre)
[Indications for electron therapy in the treatment of tumors of the head and neck] Ennuyer A, et al.
Bull Cancer (Paris) 56:43-60, Jan-Mar 69 (Fre)
[Technical findings apropos of postoperative irradiation of the thoracic wall in cancer of the breast] Juillard G, et al.
Bull Cancer (Paris) 56:99-102, Jan-Mar 69 (Fre)
[Characteristics of electron beams of a Betatron Siemens 18 MeV] Niederer J, et al.
Bull Cancer (Paris) 56:19-29, Jan-Mar 69 (Fre)
[Glioma of the optic chiasma and nerve. Contribution of transcutaneous radiotherapy to their treatment] Throuvalas N, et al.
Bull Cancer (Paris) 56:231-64, Jul-Sep 69 (Fre)
[Radiobiological effects of high energy electrons] Wambersie A.
Bull Cancer (Paris) 56:31-41, Jan-Mar 69 (Fre)
[Control and equalization of the electron fields of a 35 MeV betatron] Dam J van, et al.
J Belge Radiol 53:201-3, 1970 (Fre)
[Radiotherapy of secondary tumors of the spine (technics, complications and results] Abbatucci JS.
J Radiol Electrol Med Nucl 52:79-85, Jan-Feb 71 (Fre)
[390 cases of oropharyngeal epitheliomas treated with radiocobalt (results after 5 years)] Ennuyer A, et al.
J Radiol Electrol Med Nucl 51:621-4, Nov 70 (Fre)
[Original and 1st clinical indications for fast electrons] Clement R, et al. Mars Med 106:227-9, 1969 (Fre)
[Supervolt therapy of malignant tumors. Report on 10-year experiences] Schnepper E.
Hippokrates 42:157-68, Jun 71 (Ger)
[Primary sarcoma of palatine tonsil with special reference to reticulosarcoma. II. The significance of local curie therapy with isotopes and the percutaneous high voltage irradiation] Halama J.
HNO 19:23-6, Jan 71 (Ger)
[Possibilities and limitations of megavolt-therapy in ENT-tumors] Kärcher KH.
HNO 18:297-301, Oct 70 (3 ref.) (Ger)
[The contributions of physics, technique and biology to the advances of clinical radio-therapy] Kärcher KH, et al. Radiol Clin Biol 40:3-21, 1971 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Individual radiation planning as a prerequisite for the use of complicated technics in megavolt therapy] Heilmann HP. Roentgenpraxis 24:159-67, Jul 71 (Ger)
[Dosimetry in high energy electrons] Vogel KH. Roentgenpraxis 23:238-42, Oct 70 (Ger)
[Irradiation schedule for the megavolt therapy of lymph nodes] Alth G, et al. Strahlentherapie 140:37-44, Jul 70 (Ger)
[Megavolt therapy--indications and results] Becker J. Strahlentherapie 139:261-70, Mar 70 (Ger)
[Comparison of dose distributions in high-voltage roentgen rays up to 42 MV and cobalt-60-gamma rays] Fehrentz D, et al. Strahlentherapie 139:143-58, Feb 70 (Ger)
[The tissue-maximum radiation dosage ratio for 42 and 25 MV x-rays of a 42 Me V betatron] Fehrentz D, et al. Strahlentherapie 141:662-5, Jun 71 (Ger)
[Radiation injuries following electron therapy of breast neoplasms] Frischbier HJ, et al. Strahlentherapie 139:684-94, Jun 70 (Ger)
[Prognosis of rectal carcinoma treated initially with 60Cobalt gamma and ultrahigh betatron roentgen irradiation] Geginat G. Strahlentherapie 141:375-80, Apr 71 (Ger)
[High-energy therapy of bladder carcinoma] Graefe KH, et al. Strahlentherapie 139:665-70, Jun 70 (Ger)
[Results of high energy therapy in laryngeal and pharyngeal carcinomas] Hess F, et al. Strahlentherapie 141:518-22, May 71 (Ger)
[Large-field radiation with high-energy rays] Kärcher KH, et al. Strahlentherapie 140:63-6, Jul 70 (Ger)
[The use of ultrasound in radiotherapy] Kärcher KH. Strahlentherapie 141:666-8, Jun 71 (Ger)
[The influence of electron diffusion on heterogeneous edges] Manegold K. Strahlentherapie 140:647-50, Dec 70 (Ger)
[Portable precision dosimeter with several measuring ranges for high-energy x-rays and electrons] Nagl J, et al. Strahlentherapie 140:663-6, Dec 70 (Ger)
[Comparison of Co-60 teletherapy and high energy electron radiotherapy in bladder carcinoma] Ott A. Strahlentherapie 139:280-3, Mar 70 (Ger)
[Depth electron therapy by pendulum irradiation. IV. A new telecentric small-angle pendulum technic, specific for high-energy undispersed electrons] Rassow J. Strahlentherapie 140:156-72, Aug 70 (Ger)
[Film dosimetry of high-energy rays. V. Energy and phantom depth dependence of the film sensitivity for high-energy photon and electron rays during exposition parallel to the direction of incidence] Rassow J, et al. Strahlentherapie 141:336-45, 1971 (Ger)
[Systematic examinations with LiF-thermoluminescence detector TLD 100 on Alderson phantom in gonad loading in the therapy with conventional x-rays (60-300 kV), Telegammarays(137 Cs and 60 Co) as well as betatron and electron beams of 20 and 43 MeV limit energy] Rassow J, et al. Strahlentherapie 139:446-57, Apr 70 (Ger)
[Giessen results of irradiation therapy in bronchial carcinoma 1962-1967: ortho- and megavolt treatment, interrupted serial irradiation and radiologic-cytostatic therapy] Ringleb D, et al. Strahlentherapie 139:635-51, Jun 70 (Ger)
[Malignant kidney tumors and their radiotherapy with fast electrons] Schmidt-Hermes HJ, et al. Strahlentherapie 141:284-90, 1971 (Ger)
[Results of primary treatment of laryngeal carcinoma using conventional x-depth irradiation or radium contact irradiation] Seifert K, et al. Strahlentherapie 140:613-20, Dec 70 (Ger)
[Reaction of proliferating cartilaginous tissue to 14,4 MeV electrons, 60 Co-gamma and 200 kV x-rays] Stender HS, et al. Strahlentherapie 141:573-80, May 71 (Ger)
[Experiences with a combined (alternating) irradiation of fast electrons and ultra-hard x-rays] Vieten H, et al. Strahlentherapie 140:349-53, Oct 70 (Ger)
[Effect of the size of cobalt-60-courses (1 and 2cm) on the field length penumbra width, dosage distribution and lateral steepness in irradiation with and without penumbral trimmer. Photometric measures on a phantom] Weishaar J, et al. Strahlentherapie 140:173-84, Aug 70 (Ger)
[Position and indication for the conventional roentgen therapy] Kärcher KH. Wien Med Wochenschr 121:276-8, 3 Apr 71 (Ger)
[Clinico-statistical findings in 40 cases of osteosarcoma vollowing successful radiotherapy] (Ita)ARCOMA FOLLOWING successful radIOTHERAPY] Conti R, et al. Arch Ortop Suppl:281-96, 1969 (Ita)
[Radiation therapy of carcinoma of the vulva with fast electrons] Donati E. Fracastoro 63:128-36, Mar-Apr 70 (Ita)
[Thermoluminescence radiation dosimetry using high energy betatron electronic beams] Tosi G, et al. Minerva Fisiconucl 14:65-9, Apr-Jun 70 (Ita)
[Dosimetry of high-energy electron beams (12-32 MeV) with photoluminescent glass] Tosi G, et al. Minerva Fisiconucl 13:135-40, Apr-Jun 69 (Ita)
[A new powerful weapon against cancer] Minerva Med 62:Suppl:15-6, Jun-Jul 71 (Ita)
[Radiotherapy of glomus jugulare tumors with endocranial expansion] Donati E, et al. Minerva Radiol 14:267-76, Jul-Aug 69 (Ita)
[Radiotherapy of osteosarcoma] Giaccai L. Nunt Radiol 35:69-78, Jan 69 (Ita)
[Therapy of cancer of the thyroid gland] Campioni N. Policlinico [Prat] 77:997-1005, 3 Aug 70 (Ita)
[Physical and clinical considerations on the choice of the maximum energy of fast electrons for their effective use] Carletti L, et al. Quad Radiol 35:195-202, 26 Oct 69 (Ita)
[Preliminary results of radiotherapy with the 42 MeV betatron in bronchopulmonary tumors] Coucourde F, et al. Radiol Med (Torino) 55:575-91, Jun 69 (Ita)
[Radiotherapy with betatrone accelerated-electrons. Work notes] Loasses A. Radiol Med (Torino) 55:970-92, Oct 69 (Ita)
[Symposium: high energy radiotherapy] Katayama M, et al. Iryo 24:Suppl:378-82, 1970 (Jap)
[Quick death after high-dosage irradiation with 60 MeV elect.rons] Sakka M, et al. Nippon Acta Radiol 30:566-8, Sep 70 (Jap)
[Radiation therapy with high energy electrons using pendulous expansion for postoperation breast cancer] Yamanaka K. Nippon Acta Radiol 30:708-17, Nov 70 (Jap)
[Treatment of inoperable progressive breast cancer with 4.3 MeV lineac X ray] Kaneta K, et al. Rinsho Hoshasen 15:818-24, Nov 70 (Jap)
[Combined treatment of lung cancer with preoperative use of inhibitory radiation of 25 Mev energy] Suvorova TA, et al. Grudn Khir 13:43-9, Mar-Apr 71 (Rus)
[The relative biologic effectiveness of fast electrons generated by the linear accelerator LUE-25] Kozlov AP, et al. Med Radiol (Mosk) 16:69-71, Mar 71 (Rus)
[Effect of protons (180 MEV) in various parts of Bragg's curve on normal and tumor cells] Shmakova NL, et al. Med Radiol (Mosk) 15:8-12, Jul 70 (Rus)
[Treatment of subtentorial brain tumors with electron beams] Smirnov RV. Med Radiol (Mosk) 16:24-8, Mar 71 (Rus)
[New approaches to the problem of preoperative irradiation of malignant neoplasms] Blokhin NN, et al. Vestn Akad Med Nauk SSSR 26:46-9, 1971 (Rus)
[Analysis of the 1st immediate results of treatment of malignant neoplasms with high-energy protons] Ruderman AI, et al. Vestn Akad Med Nauk SSSR 26:38-45, 1971 (Rus)
[Megavolt radiotoletherapy] Kantin AV. Vopr Onkol 16:100-7, 1970 (54 ref.) (Rus)

ADVERSE EFFECTS

Effects of fast neutrons on human skin. Sheline GE, et al. Am J Roentgenol Radium Ther Nucl Med 111:31-41, Jan 71
Oculo-palpebral lesions following high-speed electron treatment of maxillary sinus tumours. Taddei L, et al. Clin Radiol 21:417-24, Oct 70
Alterations in serum thyrotropin (TSH) and thyroid function following radiotherapy in patients with malignant lymphoma. Glatstein E, et al. J Clin Endocrinol Metab 32:833-41, Jun 71
Radiation duodenitis. Burn JI. Proc R Soc Med 64:395-6, Apr 71
Fibrosis of skin and subcutaneous tissue following megavoltage radiotherapy. Ridley CM, et al. Trans St Johns Hosp Dermatol Soc 57:190-6, 1971
[Post-radiotherapy constrictive pericarditis and myocardial disease] Teneriello F, et al. Ann Chir Thorac Cardiovasc 9:423-9, Oct 70 (Fre)
[Bone lesions due to intensive radiotherapy in gynecologic cancers (20 cases observed at Rene-Huguenin Center)] Delouche G, et al. Ann Radiol (Paris) 13:793-810, 1970 (Fre)
[Cutaneous reactions induced by electron beams] Eschwege F, et al. Bull Cancer (Paris) 58:13-8, Jan-Mar 69 (Fre)
[False parietal recurrences after high energy radiotherapy in gynecology] Ayme Y, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:299-300, Jun-Aug 70 (Fre)
[Experimental and clinical studies of tissue damage in combination neck dissection and radiotherapy] Weiss P. Fortschr Kiefer Gesichtschir 13:177-84, 1968 (Ger)
[Effect of benzarone on local reactive processes in patients undergoing radiotherapy for malignant neoplasms] Vitale V, et al. Clin Ter 54:79-83, 15 Jul 70 (Ita)
[The effectiveness of benzidamine chlorhydrate (Tantum) alone and combined with tetracycline (Tantum Biotic) in radiotherapy] Cascelli G. Nunt Radiol 35:161-79, Feb 69 (Ita)
[Electrocardiographic findings in patients after thoracic irradiation by the 42 MeV betatron] Garbagna P, et al. Nunt Radiol 34:1697-712, Dec 68 (Ita)
[The roentgenographic changes of lung following electron therapy for the breast cancer] Matsuda T, et al. Nippon Acta Radiol 30:1137-45, Mar 71 (Jap)
[Clinical studies of supervoltage radiation therapy on betatron] Yokoyama T. Nippon Acta Radiol 31:194-220, 1971 (Jap)

HISTORY

[Historical development of therapy with high energy electrons] Vogel KH. Roentgenpraxis 23:141-7, Jun 70 (Ger)

INSTRUMENTATION

Collimator and scattering foil for 10-20 MeV electrons. Lindskoug B, et al. Acta Radiol [Ther] (Stockh) 10:21-6, Feb 71
A 14 MeV neutron tube for radiotherapy. Hiiller M, et al. Br J Radiol 44:716-9, Sep 71
The design of a practical fast neutron therapy equipment for routine clinical use. Lundberg DA. Br J Radiol 44:708-12, Sep 71
Megavoltage technique for treatment of carcinoma of the post cricoid region. Garrett MJ. Clin Radiol 22:136-8, Jan 71
Summary of general discussion on technical aspects of fast neutron therapy facilities. Brennan JT. Eur J Cancer 7:245-8, May 71
Radiotherapeutic requirements of 14 MeV fast neutron beams with respect to depth-dose and collimation. Duncan W, et al. Eur J Cancer 7:129-34, May 71
Collimation of 14 MeV neutron beams. Greene D, et al. Eur J Cancer 7:121-7, May 71
The Hiletron: new era in cancer treatment. Lundberg DA. Indian J Cancer 8:137-41, Jun 71
Possible utilization of the Carnegie-Mellon synchrocyclotron for cancer therapy. Foss MH, et al. Radiology 98:183-5, Jan 71
[Linear accelerator and its clinical applications] Voutilainen A, et al. Duodecim 87:958-63, 1971 (Fin)
[Physical basis and practical viewpoints in the therapy with high energy electrons] Vogel KH. Roentgenpraxis 23:180-91, Aug 70 (Ger)
[Physical basis and practical viewpoints in the therapy with high energy electrons] Vogel KH. Roentgenpraxis 23:164-72, Jul 70 (Ger)
[Side radiation of the Siemens-18 MeV-betatron] Krämer M. Strahlentherapie 139:186-95, Feb 70 (Ger)
[13 MeV linear accelarator at Kurume University] Noda H. Nippon Acta Radiol 30:701-7, Nov 70 (Jap)
[Characteristics of the linear accelerator at Hiroshima University] Takeshita K, et al. Nippon Acta Radiol 30:687-97, Nov 70 (Jap)
[The application of wedge filter in the case of arc therapy with linear accelerator] Tanaka Y, et al. Nippon Acta Radiol 30:85-91, Jan 71 (Jap)

STANDARDS

Protocol for the dosimetry of x- and gamma-ray beams with maxi um energies between 0-6 and 50 MeV. Scientific Committee on Radiation Dosimetry (SCRAD) of the American Association of Physicists in Medicine. Phys Med Biol 16:379-96, Jul 71

RADIUM (D1)

A radium accident in a hospital. Berg O, et al. Acta Radiol [Diagn] (Stockh) Suppl 254:100-, 1966
Leak testing chromatographic radium sources--radon emanation technique. Crowder SE. Am J Roentgenol Radium Ther Nucl Med 111:189-90, Jan 71
A review of the physical data used in radium and radon dosimetry. Sofer DH. Australas Radiol 14:443-50, Nov 70
Empirical formulae for the automation of radium dosage calculations. Tatcher M, et al. Br J Radiol 44:727-8, Sep 71
Radium osteitis with osteogenic sarcoma: the chronology and natural history of a fatal case. Sharpe WD. Bull NY Acad Med 47:1059-82, Sep 71
The malignant tumour risk from radium body burdens. Goss SG. Health Phys 19:731-7, Dec 70
226Ra in contemporary and fossil snow. Jaworowski Z, et al. Health Phys 20:449-50, Apr 71
Radiological protection in the luminising industry. Vennart J. Health Phys 19:835-6, Dec 70
The dynamics of life. I. Death from internal irradiation by 239Pu and 226Ra, aging, cancer, and other diseases. Stover BJ, et al. Proc Natl Acad Sci USA 66:132-9, May 70
Surveys of radium contamination in aircraft instrument repair facilities 1966-1967. Schmidt GD, et al. Radiol Health Data Rep 12:7-15, Jan 71
Low-dose-rate irradiation of mammalian cells with radium and californium 252. A comparison of effects on an actively proliferating cell population. Hall EJ, et al. Radiology 99:445-51, May 71
[Study of type II anti-intrinsic factor autoanibodies in the serum by radioisotopic method and by radio-immunodiffuion] Nicolas JP, et al. Ann Biol Clin (Paris) 28:327-30, 1970 (Fre)
[Utilization of tanderil during radium therapy of cancer of the female genital apparatus] Dargent D. Lyon Med 221:1261-2 passim, 25 May 69 (Fre)

ADMINISTRATION & DOSAGE

Analysis of the treatment of stage I and stage II

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

carcinomas of the uterine cervix. Easley JD, et al. Am J Roentgenol Radium Ther Nucl Med 111:243-8, Feb 71

Cancer of the uterine cervix. Janeway lecture, 1970. Fletcher GH. Am J Roentgenol Radium Ther Nucl Med 111:225-42, Feb 71

Radium applicator dose calculations by small computer. Wilkinson PN, et al. J Am Osteopath Assoc 70:1058, Jun 71

The treatment of small localized carcinoma of the breast with surgical removal of the tumour and radical implantation of radium. Spoljar M. Radiobiol Radiother (Berl) 11:235-40, 1970

On the use of wax in radium therapy of carcinoma of the cervix uteri by the modified Stockholm method. Nieminen U, et al. Strahlentherapie 140:385-7, Oct 70

Isodose measurement of the bladder dose in radium therapy. Nieminen U, et al. Strahlentherapie 140:280-2, Sep 70

The value of preoperative or postoperative treatment by radium for carcinoma of the uterine body. Graham J. Surg Gynecol Obstet 132:855-60, May 71

[Prospects offered by a computer program on calculating dosage in gynecologic curietherapy] Chassagne D, et al. J Radiol Electrol Med Nucl 51:647-50, Nov 70 (Fre)

[Treatment of operable breast neoplasms with curiepuncture or Au198 implantation] Maisin J, et al. J Radiol Electrol Med Nucl 52:237-44, May 71 (Fre)

[Radio-active wire with linear activity gradually increasing towards the ends] Mihailov M, et al. J Radiol Electrol Med Nucl 52:43-5, Jan-Feb 71 (Fre)

[Endocavitary irradiation of cancer of the rectum] Papillon J, et al. J Radiol Electrol Med Nucl 51:682-3, Nov 70 (Fre)

[Predicted dosimetry in endocurietherapy (one-plane radiferous device; computer study)] Pierquin B, et al. J Radiol Electrol Med Nucl 50:Suppl 5:377+, May 69 (Fre)

[Study of a computer program for calculation of dosage in gynecologic curietherapy] Rosenwald JC, et al. J Radiol Electrol Med Nucl 51:651-4, Nov 70 (Fre)

[Needle treatment of cancer of the base of the tongue by transhyoid approach] Portmann G. Rev Laryngol Otol Rhinol (Bord) 90:589-97, Nov-Dec 69 (Fre)

[Short-term effect of radiation on rectal and gastric mucosa: presentation of 2 cases] Delage C, et al. Union Med Can 98:1314-20, Aug 69 (Fre)

[Protective shield for restriction of irradiation load on bladder and rectum in intravaginal radium insertions] Michalica W, et al. Geburtshilfe Frauenheilkd 29:1115-9, Dec 69 (Ger)

[Interstitial radium therapy of carcinoma of the tongue in patients at the Institute of Oncology in Warsaw] Dańczak Z. Nowotwory 21:149-54, Apr-Jun 71 (Pol)

[Evaluation of gamma ray dosage in the rectum during treatment of carcinoma of the uterine cervix with radium] Nozdryn-Plotnicki B, et al. Nowotwory 20:107-13, Apr-Jun 70 (Pol)

ADVERSE EFFECTS

Bone cancers induced by 224 Ra (Th X) in children and adults. Spiess H, et al. Health Phys 19:713-29, Dec 70

[Radiation-induced cancer of the cavum (35 years later after curietherapy of nasopharyngeal fibroma)] Pech A, et al. J Fr Otorhinolaryngol 19:743-4, Nov 70 (Fre)

[The resistance of ocular nerves to the action of radium placed in nasosinusal cavities] Portmann G, et al. Rev Laryngol Otol Rhinol (Bord) 92:1-11, Jan-Feb 71 (Fre)

[Multiple squamous epithelium carcinomas after uncontrolled use of radium compress] Tempel V, et al. Dermatol Monatsschr 156:115-9, 1970 (Ger)

[Intraocular pressure in thermal-gallery treatment. Preliminary report] Ehrich W. Klin Monatsbl Augenheilkd 158:690-4, May 71 (Ger)

[Clinical contribution to uterine sarcoma] Zichel R, et al. Med Klin 65:888-91, 1 May 70 (Ger)

[Injurious effects of radiotherapy in aged women with malignant genital neoplasms] Mannarini G, et al. G Gerontol 18:315-9, Apr 70 (Ita)

[Cardiovascular complications of radium therapy in gynecologic patients] Bianchi F, et al. Minerva Ginecol 21:215-21, 28 Feb 69 (Ita)

ANALYSIS

Improved photographic leak test system for sealed sources of radium 226. Bedrosian PH, et al. Am J Roentgenol Radium Ther Nucl Med 112:788-91, Aug 71

Naturally occurring concentrations of alpha-emitting isotopes in a New England population. Hunt VR, et al. Health Phys 19:235-43, Aug 70

HISTORY

The archives of the college. The radium certificates in the Sear collection. Owen MD. Australas Radiol 14:153-5, May 70

Rutherford and the Curies. (Rutherford E), (Curie M), (Nernst WH), Reisenfeld G. Lancet 1:132, 16 Jan 71

[Madame Curie and her adventure with radium] (Curie MS), Ponte PL. Minerva Med 61:5387-9, 24 Nov 70 (Ita)

METABOLISM

Studies on short-lived internal -emitters in mice and rats. I. 224 Ra. Müller WA. Int J Radiat Biol 20:27-38, 1971

Radium in aquatic food chains: radium uptake by fresh water algae. Havlík B. Radiat Res 46:490-505, Jun 71

[Kinetics of distribution and excretion of radium isotopes following thorotrast injection] Kaul A, et al. Biophysik 7:74-84, 1970 (Ger)

THERAPEUTIC USE

The American Journal of Roentgenology Radium Therapy and Nuclear Medicine. Am J Roentgenol Radium Ther Nucl Med 112:201, May 71

Panel discussion on "The role of caesium sources in radiation treatment and the replacement of radium by caesium". Stephenson SK, et al. Br J Radiol 44:237-8, Mar 71

Radium management of tumors of penis. Alexander LL, et al. NY State J Med 71:1946-50, 15 Aug 71

Coordinate measuring device for radium applications. Mauderli W, et al. Radiology 98:161-3, Jan 71

[Interstitial radiotherapy of lower lip neoplasms using radium] Rubeš R, et al. Cesk Radiol 25:19-25, Jan 71 (Cze)

[Position and role of radiotherapy in the treatment of rectal cancer] Rubeš R. Cesk Radiol 25:26-31, Jan 71 (Cze)

[Epidermoid carcinoma of the tongue and of the floor of the mouth. Study of 245 cases treated in the Gustave-Roussy Institute] Pierquin B, et al. Acta Radiol [Ther] (Stockh) 9:465-80, Oct 70 (Fre)

[Description and initial trial of the curetron (polyvalent projector of radioactive sources permitting complete protection in gynecologic curietherapy)] Chassagne D, et al. J Radiol Electrol Med Nucl 50:910-3, Dec 69 (Fre)

[Optimization in local radium therapy] Buchelt L, et al. Strahlentherapie 141:549-58, May 71 (Ger)

[Results of primary treatment of laryngeal carcinoma using conventional x-depth irradiation or radium contact irradiation] Seifert K, et al. Strahlentherapie 140:613-20, Dec 70 (Ger)

[Our results in the conventional x-ray and radium contact irradiation of laryngeal neoplasms] Troceanu M, et al. Strahlentherapie 140:252-67, Sep 70 (Ger)

[Bibliographic review on complications in patients with cervix carcinoma treated with combined radium and surgery] Gastaldi A, et al. Ann Ostet Ginecol 92:30-44, Jan 70 (Ita)

[Current status of the Schauta-Amreich method of radical colpohysterectomy] Pescetto G, et al. Ann Ostet Ginecol 92:61-9, Jan 70 (Ita)

[Dosimetry of utero-vaginal radiotherapy in clinical practice] Agelao G, et al. Minerva Ginecol 21:949-66, 15 Aug 69 (Ita)

[On the therapy of metastases of uterine adenocarcinoma] Poggi G. Minerva Ginecol 21:1189-92, 30 Sep 69 (Ita)

[Radiotherapy of cancer of the esophagus] Vitale V, et al. Minerva Radiol 15:86-97, Mar 70 (Ita)

[Therapy of cancer of the thyroid gland] Campioni N. Policlinico [Prat] 77:997-1005, 3 Aug 70 (Ita)

[Therapeutic uses of radium studied from the physical and technical points of view] Camuffo D, et al. Quad Radiol 35:163-94, 26 Oct 69 (Ita)

[Proteolytic activity of leukocytes in radium-treated patients] Halawa B, et al. Pol Tyg Lek 26:861-2, 7 Jun 71 (Pol)

[Radium therapy of cervix uteri carcinoma] Tavares MA. Acta Obstet Ginecol Hisp Lusit 18:209-16, Jun 70 (Spa)

[Treatment of tuberous angiomas using radium therapy and x-ray (comparative study)] Aliaga Boniche A, et al. Actas Dermosifiliogr 60:373-8, Nov-Dec 69 (Spa)

[Histopathological findings of advanced carcinoma of the cervix uteri treated by preoperative radium] Ferracani RS, et al. Prensa Med Argent 57:1664-6, 30 Oct 70 (Spa)

RADIUS (A2)

Radioulnar synostosis. A common occurrence in sex chromosomal abnormalities. Jancu J. Am J Dis Child 122:10-1, Jul 71

Soft-tissue spread of giant-cell tumor. A case report. Frangakis EK. J Bone Joint Surg [Am] 53:994-8, Jul 71

Symptomatic enlargement of the tuberosity of the radius causing snapping in the forearm. Matev IB. J Bone Joint Surg [Am] 52:1661-2, Dec 70

Disturbance in the growth of the radius in dogs. Clayton-Jones DG, et al. J Small Anim Pract 11:453-68, Jul 70

[Radial epicondylitis] De Loore JJ. J Belge Rhumatol Med Phys 25:254-62, 1970 (Dut)

[Anatomical aspects of superior radiocubital congenital synostosis] Fischer L, et al. Lyon Med 225:1004-7, 23 May 71 (Fre)

[Clinical osteology based on a rare localization of a non-ossifying bone fibroma Jaffé-Lichterstein] Speisberg F, et al. Bruns Beitr Klin Chir 218:234-42, Sep 70 (Ger)

[Epiphysiolysis at the lower radial end in children] Jonasch E. Hefte Unfallheilkd 102:82, 1970 (Ger)

[Morphology and development of the proximal radio-ulnar articulation. II. Intrinsic and extrinsic collagen fibers of the annular ligament of the radius] Guglielmone R. Boll Soc Ital Biol Sper 45:557-8, 15 May 69 (Ita)

[Subluxation of the head of the radius] Leydo A. Przegl Lek 26:887, 1970 (Pol)

[Surgery of pseudoarthrosis of the forearm bones] Lyzhin AV. Ortop Travmatol Protez 31:59-62, Jul 70 (Rus)

ABNORMALITIES

Congenital dislocation of the head of the radius. Exarhou EI, et al. Acta Orthop Scand 41:551-6, 1970

Congenital radio-ulnar synostosis. Report of 37 cases. Hansen OH, et al. Acta Orthop Scand 41:225-30, 1970

Congenital hypoplasia along the radial ray. A report of two cases. Benazzi RB, et al. Am J Roentgenol Radium Ther Nucl Med 110:572-7, Nov 70

Congenital heart disease in radial clubbed hand syndrome. Simcha A. Arch Dis Child 46:345-9, Jun 71

A genetic and karyotype study of complete or incomplete paraxial radial hemimelia in Arizona--implications for genetic counseling. Reid RL, et al. Ariz Med 27:6-11, Nov 70

Congenital dislocation of the head of the radius. Roles NC. Br Med J 2:712, 19 Jun 71

Treatment of congenital radial club hand. Define D. Clin Orthop 73:153-9, Nov-Dec 70

Undescribed cranio-auriculo-radial syndrome. Hartofilakidis-Garofalidi, et al. Helv Paediatr Acta 26:75-7, Apr 71

Radial meromelia. The deformity and its treatment. Bora FW Jr, et al. J Bone Joint Surg [Am] 52:966-79, Jul 70

Pierre Robin syndrome in association with combined congenital lengthening and shortening of the long bones. Case report. Walden RH, et al. Plast Reconstr Surg 48:80-2, Jul 71

[Report of a case of amegacaryocytic thrombocytopenia with radial aplasia] Masson A, et al. Arch Fr Pediatr 28:449, Apr 71 (Fre)

[Radial-ulnar synostosis] Keel A. Praxis 60:791-8, 15 Jun 71 (Ger)

[On congenital dislocation of the head of the radius] Bellando Randone P, et al. Minerva Ortop 20:506-10, Oct 69 (Ita)

[Congenital radio-ulnar synostosis] Ricciardi L. Minerva Ortop 20:363-74, Sep 69 (Ita)

[Surgical treatment of congenital radial clubhand] Kuz'menko VV. Ortop Travmatol Protez 32:22-4, Jan 71 (Rus)

[Congenital luxation of the head of the radius] Aritamur A. Turk Tip Cemiy Mecm 36:106-8, Feb 70 (Tur)

ANALYSIS

Chemical studies of cortical diaphyseal bone during vitamin D deficiency in the rat. Hjertquist SO, et al. Acta Orthop Scand [Suppl] 136:Suppl 136:55+, 1970

ANATOMY & HISTOLOGY

A parathyroid hormone-like action of dibutyryl cyclic AMP (DCA) on explanted embryonic mouse radius. II. The effect of DCA and parathyroid hormone on the linear growth of the radius. Herrmann-Erlee MP. Isr J Med Sci 7:342-4, Mar 71

GROWTH & DEVELOPMENT

Distal radial growth plate remnant simulating fracture. Teates CD. Am J Roentgenol Radium Ther Nucl Med 110:578-81, Nov 70

INJURIES

Radial perilunar dislocation. Report of a case. Shaw JC, et al. J Bone Joint Surg [Am] 52:556-8, Apr 70

Multiple skeletal injuries with telescoping of the forearm: case report and discussion. Ewald FC. J Trauma 11:352-6, Apr 71

[Post-traumatic isolated dislocation of the radial head] Novotný F, et al. Acta Chir Orthop Traumatol Cech 37:284-6, Oct 70 (Cze)

[Postoperative treatment of the Galeazzi and Monteggia syndrome] Kovalkovits I, et al. Chirurg 42:88-90, Feb 71 (Ger)

[So-called painful arm paralysis in small children] Morger R. Ther Umsch 27:448-9, Jul 70 (Ger)

[Fracture of the ulna and of the neck of the radius in a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

child as a specific form Monteggia's fracture] Pizio Z.
Chir Narzadow Ruchu Ortop Pol 35:585-8, 1970 (Pol)
[Evaluation of results in the treatment of Monteggia's fractures] Wiśniewski T, et al.
Chir Narzadow Ruchu Ortop Pol 35:579-84, 1970 (Pol)
[Surgical treatment of chronic dislocations of the head of the radial and ulnar bones in conjunction with pseudarthroses of the forearm bones] Faddeev DI.
Ortop Travmatol Protez 32:44-9, Apr 71 (Rus)
[Nerve injuries in ulnar fractures in association with dislocation of the head of the radial bone in children] Gorenshtain AI.
Ortop Travmatol Protez 31:16-20, Jul 70 (Rus)
[Surgical treatment of chronic Monteggia's injuries] Il'inov MG, et al.
Ortop Travmatol Protez 32:53-5, Apr 71 (Rus)
[Treatment of chronic Monteggia's and Galeazzi's injuries] Skoblin AP, et al.
Ortop Travmatol Protez 32:49-53, Apr 71 (Rus)
[Treatment of inveterate injuries of the radio-ulnar joint] Abdulkhabirov MA.
Vestn Khir 105:117-8, Oct 70 (Rus)

METABOLISM

[Effect of a preparation of exogenous homologous RNA and hydrocortisone on the level of collagen and glucosaminoglycans in rat bone regenerate preparation] Babifchuk GA, et al.
Biull Eksp Biol Med 68:82-5, Oct 69 (Rus)

PATHOLOGY

[Idiopathic aseptic juvenile bone necrosis of the distal epiphysis of the radius] Teneff S, et al.
Arch Orthop Unfallchir 69:68-82, 1970 (Ger)

RADIOGRAPHY

X-ray film of the month. Puckette SE Jr.
J SC Med Assoc 67:128-9, Mar 71
[Clinical course of polyostotic fibromatous osteoclastoma of the distal end of the radius] Schäfer D. Beitr Orthop Traumatol 17:27-30, Jan 70 (Ger)
[Unusual monostotic localization in Paget's disease] Wallmann K.
Beitr Orthop Traumatol 17:247-51, Apr 70 (Ger)

SURGERY

[Dislocation at the distal radio-ulnar joint as a result of radial head excision in traumatic lesions] Gowin-Lasocka S.
Chir Narzadow Ruchu Ortop Pol 36:13-8, 1971 (Pol)

RADIUS FRACTURES (C14)

Displaced fractures of the neck of the radius in children. Jones ER, et al.
J Bone Joint Surg [Br] 53:429-39, Aug 71
The healing of fractures of the lower end of the radius. A histological and angiographic study. Sevitt S.
J Bone Joint Surg [Br] 53:519-31, Aug 71
[Radius neck fractures in childhood] Vostal O.
Acta Chir Orthop Traumatol Cech 37:294-302, Oct 70 (Cze)
[Symmetric fractures of the radius head] Montoli E.
Minerva Ortop 21:539-43, Oct 70 (Ita)

COMPLICATIONS

[Sequelae of fractures of the lower end of the radius. Their causes and treatments] Wulf A de, et al.
Acta Orthop Belg 34:5 passim, Jan-Feb 68 (Fre)
[Morbus Sudeck as a complication of radial fractures] Freund E, et al.
Monatsschr Unfallheilkd 73:569-74, 1970 (Ger)
[Supracondylar upper arm and forearm fractures as combination injuries in the child] Schneider H, et al.
Monatsschr Unfallheilkd 72:299-303, Jul 69 (Ger)
[Case of osteomyelitis after green wood fracture of the forearm] Cosco Mazzuca R.
Arch Putti Chir Organi Mov 24:375-8, 1969 (Ita)
[Unusual evolution of a case of radial capitellectomy] Ottolenghi G, et al.
Minerva Ortop 20:333-7, Jul-Aug 69 (Ita)
[Rupture of the flexor tendon of the finger following Colles' fracture] Nagano Y, et al.
Orthop Surg (Tokyo) 21:935-7, Oct 70 (Jap)
[Degenerative-dystrophic changes in fractures of the proximal and of the radial bone in children] Svinukhov NP.
Ortop Travmatol Protez 31:20-4, Jul 70 (Rus)

ETIOLOGY

[Radius fracture at the typical site and its origin. Clinical and experimental studies] Schnabelmaier H, et al. Hefte Unfallheilkd 101:19-62, 1969 (Ger)

PHYSIOPATHOLOGY

[Posttraumatic carpal osteolysis following isolated fracture of the distal radius] Fischer E.
Fortschr Geb Roentgenstr Nuklearmed 112:541-2, Apr 70 (Ger)

RADIOGRAPHY

Distal radial growth plate remnant simulating fracture. Teates CD.
Am J Roentgenol Radium Ther Nucl Med 110:578-81, Nov 70
[Soft tissue changes with respect to injury to the elbow and the peripheral radius epiphysis] Vyhnánek L, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:505-9, Apr 70 (Ger)
[Technical trends and results of our method of coarctating nailing of the forearm bones] Vinditti D, et al. Chir Organi Mov 57:473-516, 1969 (Ita)

REHABILITATION

[Rehabilitation of Colles' fractures] Lesák M.
Acta Chir Orthop Traumatol Cech 37:313-7, Oct 70 (Cze)

SURGERY

[Consolidation in an incorrect position of fractures of the distal end of the radius. Anatomical, etiological and therapeutic considerations] Ledoux A.
Acta Chir Belg 68:477-504, Oct 69 (Fre)
[Indication of radius head resection with special reference to late results of 251 fractures and luxations of the radius head] Keyl W.
Arch Orthop Unfallchir 70:243-60, 1971 (Ger)
[Therapeutic results in para-articular pseudarthroses of the upper extremity] Zenker H, et al.
Arch Orthop Unfallchir 71:14-35, 1971 (Ger)
[Late results of ulnar head resection] Beck E, et al.
Monatsschr Unfallheilkd 72:432-7, Oct 69 (Ger)
[Delayed functional results of the repair of Monteggia injury] Wenzel KP, et al.
Monatsschr Unfallheilkd 72:66-73, Feb 69 (Ger)
[Results of partial or total removal of the radial head in the adult] Wenzel KP.
Monatsschr Unfallheilkd 72:59-66, Feb 69 (Ger)
[The treatment of radius head fractures] Ansari P, et al. Zentralbl Chir 96:370-81, 13 Mar 71 (Ger)
[Bilateral radius fractures in adults] Napieralski K.
Zentralbl Chir 95:921-8, 1 Aug 70 (Ger)
[Treatment of biosseous fractures of the 3rd distal segment of the forearm in children] Rosenholz U.
Friuli Med Suppl 6:1221+, Nov-Dec 68 (Ita)
[Osteoplasty in a large defect of the radius] Il'enkov SI.
Khirurgiia (Mosk) 46:132-3, Sep 70 (Rus)
[Significance of the functional anatomy of the neurovascular bundle in the elbow joint region for realization of surgical approaches] Fadeev GI.
Ortop Travmatol Protez 32:64-8, Jan 71 (Rus)
[Surgical treatment of fractures in the region of the elbow joint] Medvedeva NI.
Vestn Khir 106:106-9, Apr 71 (Rus)
[Surgical treatment of poorly consolidated Colles' fractures] Mamana RO.
An Cir (Rosario) 35:2-7, Jan-Jun 70 (Spa)

THERAPY

Fractures of radial head and their treatment. Bakalim G. Acta Orthop Scand 41:320-31, 1970
[Therapeutic results in forearm shaft fractures] Mann K, et al.
Monatsschr Unfallheilkd 72:108-19, Mar 69 (Ger)
[Fractures of the head of the radius and their treatment] Lechner F, et al.
Munch Med Wochenschr 112:1888-90, 16 Oct 70 (Ger)
[Treatment of radial fractures in the distal epimetaphysis] Chernavskif VA, et al.
Ortop Travmatol Protez 32:40-4, Apr 71 (Rus)
[Treatment of diaphyseal fractures of the forearm bones] Bakulin FM. Vestn Khir 105:100-3, Nov 70 (Rus)
[Views on the treatment of isolated fractures of the head and neck of the radius. 10 year results] Sivčev I, et al. Srp Arh Celok Lek 98:613-7, Apr 70 (Ser)

VETERINARY

Bilateral fractures of the radius and ulna of a dog repaired with Jonas splints. Fellenbaum S, et al.
J Am Vet Med Assoc 152:365-9, 15 Feb 68
Chip fractures in the carpus of the horse: a radiographic study of their incidence and location. Park RD, et al.
J Am Vet Med Assoc 157:1305-12, 15 Nov 70

RADON (D1)

Leak testing chromatographic radium sources--radon emanation technique. Crowder SE.
Am J Roentgenol Radium Ther Nucl Med 111:189-90, Jan 71
A review of the physical data used in radium and radon dosimetry. Sofer DH.
Australas Radiol 14:443-50, Nov 70
Concerning the relationship of lead-210 and inhalation exposure to radon-222. Raabe OG.
Health Phys 18:733-4, Jun 70
Specific gamma-ray constant of radon. Sofer DH.
Phys Med Biol 16:150-1, Jan 71
[Some hygienic observations in radon balneal stations] Haifk J. Fysiatr Reumatol Vestn 49:115-20, 1971 (Cze)
[Effect of treatment with radon waters at Swieradów-spa and the serum thyroxine level] Halawa B. Pol Tyg Lek 26:821-2, 31 May 71 (Pol)
[Influence of radon inhalation on the reactivity of lymphocytes] Wiktor Z, et al.
Pol Tyg Lek 25:1965-8, 21 Dec 70 (Pol)
[Redox enzyme activity of the liver during internal use of radon water] Gornak KA, et al.
Biull Eksp Biol Med 71:115-9, Apr 71 (Rus)
[Pollution of the air in using concentrated radon solution in laboratories and hospitals] Andreev SV, et al. Gig Sanit 35:88-91, Feb 70 (Rus)
[Experimental study of the distribution of short-lived daughter products of radon in the respiratory tract] Kirichenko VN, et al. Gig Sanit 35:52-6, Feb 70 (Rus)
[The new radon spring "Shalgiia" in the therapy of certain dermatoses] Akimochkina RG, et al.
Vestn Dermatol Venerol 44:71-3, Jul 70 (Rus)
[Standard technic of calculations in pouring a concentrated radon solution for the preparation of radon baths] Andreev SV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:454-8, Sep-Oct 70 (Rus)

ADVERSE EFFECTS

[Bathing in radon containing baths] Scheminzky F.
Munch Med Wochenschr 113:923, 11 Jun 71 (Ger)

ANALYSIS

Determination of radon daughters on filters by a simple liquid scintillation technique. Rolle R.
Am Ind Hyg Assoc J 31:718-21, Nov-Dec 70
Relationship of lead-210 and short lived radon-222 daughter products. Fisher HL Jr.
Health Phys 19:697-8, Nov 70
Modification of the Tsivoglou method for radon daughters in air. Thomas JW.
Health Phys 19:691, Nov 70
[Radioactive factor in tobacco smoke] Nikolova ME.
Gig Sanit 35:89-93, Aug 70 (Rus)
[Determining the specific discharge of radon by partition walls in rooms] Shalak NI, et al.
Gig Sanit 35:72-4, Feb 70 (Rus)

HISTORY

History of the exposure of miners to radon. Běhounek F. Health Phys 19:56-7, Jul 70

METABOLISM

[Uptake and distribution of thoron-decay products following inhalation by the rat] Hofmann HP.
Strahlentherapie 140:721-30, Dec 70 (Ger)
[Skin penetration by inert gases] Ojeda F.
Strahlentherapie 140:605-9, Nov 70 (Ger)

THERAPEUTIC USE

[Evaluation of the bronchopulmonary radioactive load produced by the cure in the Luchon vaporarium] Grandpierre R, et al.
Presse Therm Climat 107:181-3, 1970 (Fre)
[Radon pit treatment of ankylosing spondylitis] Günther R, et al.
Verh Dtsch Ges Rheumatol 1:141-8, 1969 (Ger)
[Effect of radon-enriched air on the course of experimental dermatitis] Akimochkina RG.
Vopr Kurortol Fizioter Lech Fiz Kult 36:68-70, 1971 (Rus)
[Effect of a course of Khmel'nik radon baths on the functional state of the heart with atherosclerotic damage] Belinskiĭ VP.
Vopr Kurortol Fizioter Lech Fiz Kult 35:491-4, Nov-Dec 70 (Rus)

RAILLIETINA see under CESTODA (B1)

RAILLIETINIASIS (C1)

VETERINARY

Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 3. Species of ants as intermediate hosts for certain fowl cestodes. Nadakal AM, et al. Poult Sci 50:115-8, Jan 71

RAILROADS (J)

Some aspects of the Hither Green rail disaster. Paul D.
Med Leg J 38:62-73, 1970
[Tuberculosis morbidity in a national industry: results of detection] Charpin J, et al.
Rev Tuberc Pneumol (Paris) 34:567-73, Jun 70 (Fre)
[On health protection in transportation of radioactive

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

materials on railroad ferry boats] Cagnetti P, et al. Minerva Fisiconucl 13:145-53, Apr-Jun 69 (Ita)
[Air pollution in the vicinity of railroads] Melino C. Minerva Med 62:953-9, 3 Mar 71 (Ita)
[The check-up in railroad personnel] Melino C. Minerva Med 62:1090-2, 10 Mar 71 (Ita)
[Occupational diseases most frequent in the railroad industry] Bueno Z. Hospital (Rio de J) 76:957-60, Sep 69 (Por)
[Hygienic assessment of the noise of railroad maintenance equipment] Ivanov NI, et al. Gig Sanit 35:98-100, Nov 70 (Rus)
[Vibration disease in ballast tamper operators and possible means of its prevention] Kandror IS, et al. Gig Tr Prof Zabol 14:11-4, Jul 70 (Rus)
[Effect of the work of the locomotive engineer on the incidence of arterial hypertension] Tsfasman AZ, et al. Gig Tr Prof Zabol 14:44-7, Jul 70 (Rus)
[Unusual railroad injury] Solov'eva IP. Sud Med Ekspert 13:49, Oct-Dec 70 (Rus)

HISTORY

[Some famous railroad-physicians in our history] Slavětinský M. Vnitr Lek 17:606-8, Jun 71 (Cze)
[Development of pharmacy services for railroad workers during the years of Soviet power (1917-1967)] Kucherenko VD. Farmatsiia 17:7-11, Jul-Aug 68 (Rus)

RAIN see under WEATHER (G3)

RANULA (C2, C4)

[Cystic formations of the floor of the mouth] Lachard J, et al. Rev Odontostomatol Midi Fr 28:75-82, 1970 (Fre)

RAPE (I)

Sexual assault on women and girls. Hayman CR, et al. Am J Obstet Gynecol 109:480-6, 1 Feb 71
Review of child molestation and alleged rape cases. Robinson HA Jr, et al. Am J Obstet Gynecol 110:405-6, 1 Jun 71
Victims of rape. Korengold MC. Med Ann DC 40:384, Jun 71
Suspected rape. Med Leg Bull 209:1-4, Sep 70
Management of sexually assaulted females. Massey JB, et al. Obstet Gynecol 38:29-36, Jul 71
The oral rape fantasy and rejection of mother in the imagery of Shakespeare's Venus and Adonis. Rothenberg AB. Psychoanal Q 40:447-68, 1971
[Nidation inhibition and abortion following rape] Böhm E, et al. Med Klin 66:989-96, 2 Jul 71 (Ger)
[Critical disorders of sex behavior in temporal epilepsy] D'Agata G, et al. Rass Neuropsichiatr 22:191-204, Apr-Jun 68 (Ita)
[Considerations on the subject of defloration] Faraone G, et al. Zacchia 7:101-18, Jan-Mar 71 (Ita)

RAPID EYE MOVEMENTS see under SLEEP, REM

(F1, G1)

RAT-BITE FEVER (C1)

[Rat bites. Clinical and epidemiological considerations on subsequent infections] Tiriba A da C, et al. Rev Assoc Med Bras 17:127-32, Apr 71 (Por)

MICROBIOLOGY

[Rat-bite fever] Closs O. Tidsskr Nor Laegeforen 91:275-7, 10 Feb 71 (Nor)

RATIONALIZATION see under DEFENSE

MECHANISMS (F1, F2)

RATS (B2)

see also related
RODENT CONTROL (G3)

Comparative biochemical and histochemical studies on the activity of gamma-glutamyl transpeptidase in the organs of fetuses, newborns and adult rats. Albert Z, et al. Acta Histochem *(Jena) 37:34-9, 1970
Sero-epidemiological study of rat virus infection in a closed laboratory colony. Robinson GW, et al. Am J Epidemiol 94:91-100, Jul 71
Rat strains specially selected for their voluntary alcohol consumption. Eriksson K. Ann Med Exp Biol Fenn 49:67-72, 1971
A comparative study of the Lewis and Sprague Dawley rat in adjuvant arthritis. Rosenthale ME. Arch Int Pharmacodyn Ther 188:14-22, Nov 70
Spontaneous glomerulosclerosis in the rat. Effect of nephrectomy and irradiation of the contralateral kidney. Elema JD, et al. Arch Pathol 91:418-25, May 71
Tyzzer's disease in the rat. Its possible relationship with megaloileitis. Jonas AM, et al. Arch Pathol 90:516-21 passim, Dec 70
Partial ocular albinism in Mystromys albicaudatus (African white-tailed rat). Rodrigues M, et al. Arch Pathol 92:212-8, Sep 71
The biochemistry of warfarin resistance in the rat. Davis RJ, et al. Biochem J 118:44P-45P, Jul 70
Some biochemical studies on warfarin resistance in the rat. Taylor A, et al. Biochem J 118:56P-57P, Jul 70
Experimentally induced acute oral candidosis in the rat. Jones JH, et al. Br J Dermatol 83:670-3, Dec 70
An apparatus for the regulation of the food supply to rats. Quarterman J, et al. Br J Nutr 24:1049-51, Dec 70
Epidemiological studies on the 1967-68 foot-and-mouth disease epidemic. The possible spread of infection by farm rats (Rattus norvegicus). Hugh-Jones ME. Br Vet J 126:368-71, Jul 70
The efficacy of various anthelmintics against the parasitic larval stages of Ancylostoma caninum in Mastomys natalensis. Lämmler G, et al. Br Vet J 126:427-39, Aug 70
Tolerance of unacclimated and cold-acclimated rats to exercise in th cold: serum, red and white muscle enzymes, and histological changes. Dieter MP, et al. Can J Physiol Pharmacol 48:723-31, Oct 70
Karyotypic differences of black rats, Rattus rattus, collected in various localities of East and Southeast Asia and Oceania. Yosida TH, et al. Chromosoma 33:252-67, 1971
A radioimmunoassay for rat plasma ACTH. Rees LH, et al. Endocrinology 89:254-61, Jul 71
Parasitological review. Nippostrongylus brasiliensis: a review of immunity and host-parasite relationship in the rat. Ogilvie BM, et al. Exp Parasitol 29:138-77, Feb 71 (176 ref.)
Experimental myocarditis: enhancement by the use of pertussis vaccine in Lewis rats. Friedman I, et al. Experientia 26:1144-5, 15 Oct 70
Recording of respiratory minute volume in the rat. Giovati A, et al. Farmaco [Prat] 25:512-5, Aug 70
Hemorrhagic kidney degeneration in choline deficiency. Wells IC. Fed Proc 30:151-4, Jan-Feb 71
Rattus rattus L. N-, C-terminal amino acids of the main haemoglobin fraction. Brdička R, et al. Folia Biol (Praha) 16:422-6, 1970
Runt syndrome incidence and skin graft tolerance in various interstrain combinations of rats differing at a single or multiple histocompatibility loci. Křen V, et al. Folia Biol (Praha) 16:305-13, 1970
Sensitivity of male rats of different strains to vasopressi. Kar K, et al. Indian J Exp Biol 8:194-7, Jul 70
More about rats and rat people. Shengold L. Int J Psychoanal 52:277-88, 1971
The overall pattern of hair follicle arrangement in the rat and mouse. Hussein MA. J Anat 109:307-16, Jul 71
Analysis of repeated measurements of animals. Gill JL, et al. J Anim Sci 33:331-6, Aug 71
The morphology of the swelling process in rat liver mitochondria. Myron DR, et al. J Cell Biol 48:291-302, Feb 71
Foot-and-mouth disease in the brown rat. Capel-Edwards M. J Comp Pathol 80:543-8, Oct 70
Histological observations on a Rathke's cleft abnormality in a laboratory rat. Lansdown AB, et al. J Comp Pathol 81:141-4, Jan 71
The genetics and development of fused and supernumerary molars in the rice rat. Sofaer JA, et al. J Embryol Exp Morphol 26:99-109, Aug 71
The production of congenital defects in rats using antisera. Barrow MV, et al. J Exp Zool 176:41-59, Jan 71
The zoonotic importance of urban rats as a potential reservoir for human leptospirosis. Tsai CC, et al. J Formosan Med Assoc 70:1-4, 28 Jan 71
Effect of territory on frog-killing by rats. DeSisto MJ, et al. J Gen Psychol 83:179-84, Oct 70
Respiratory disease in a colony of rats. I. The natural disease. Lane-Petter W, et al. J Hyg (Camb) 68:655-62, Dec 70
A simple method for obtaining blood samples from rats. Hurwitz A. J Lab Clin Med 78:172-4, Jul 71
Karyotypes of kangaroo rats from Southern California. Csuti BA. J Mammal 52:202-6, Feb 71
Feeding patterns of Rattus rattus and Rattus exulans on Eniwetok Atoll, Marshall Islands. Fall MW, et al. J Mammal 52:69-76, Feb 71
Distribution, relative abundance, food habits, and parasite patterns of giant rats (Rattus) in West Malaysia. Lim BL. J Mammal 51:730-40, Nov 70
Tylomys nudicaudus from the Mexican states of Puebla and Guerrero. Ramírez-Pulido J, et al. J Mammal 52:481, May 71
Description of the male and immature stages of ixodes. I. Werneri Kohls (Acarina: Ixodidae), a parasite of Rattus in mountains of Palawan, Malaya, and Java. Keirans JE, et al. J Med Entomol 7:605-8, Nov 70
Relative abundance of rats and their ectoparasites in two grain warehouses in Calcutta, India, during 1964-1965. Mitchell CJ. J Med Entomol 8:56-61, 30 Mar 71
Occurrence of Hymenolepis citelli McLeod, 1933 in the rodent genus Dipodomys Gray, 1841. Simpson RL, et al. J Parasitol 54:769, Aug 68
The effects of pregnancy on hepatocyte lysosome numbers in the albino rat. Parry EW. J Pathol 99:319-21, Dec 69
Rat mite bite. Wainschel J. JAMA 216:1864, 14 Jun 71
A note on the lens in aging Sprague-Dawley rats. Balazs T, et al. Lab Anim Sci 21:267-8, Apr 71
Presumptive X monosomy in black rats from Malaya. Hoi-Sen Y. Nature (Lond) 232:484-5, 13 Aug 71
The search continues. Nature (Lond) 229:595, 26 Feb 71
The kinetics of repeated low-level infections of Nippostrongylus brasiliensis in the laboratory rat. Jenkins DC, et al. Parasitology 62:457-65, Jun 71
Growth and development of Strongyloides venezuelensis Brumpt, 1934 in the albino rat. Wertheim G. Parasitology 61:381-8, Dec 70
Experimental concurrent infections with Strongyloides ratti and S. venezuelensis in laboratory rats. Wertheim G. Parasitology 61:389-95, Dec 70
Ectopic pancreas in the rat. Report of a case. Barron CN. Pathol Vet 7:81-3, 1970
Development of an anaesthetic apparatus for experimental surgery on rats. Dobson C, et al. Pharmacology 5:307-13, 1971
Subunit composition of polymorphic rat haemoglobins. Trávníček T, et al. Physiol Bohemoslov 20:27-31, 1971
Differences in the delay phenomenon in the rabbit, rat, and pig. Myers MB, et al. Plast Reconstr Surg 47:73-8, Jan 71
Renal hypertrophy factor in serum of nephrectomized rats, with observations on species specificity. Vichi FL, et al. Proc Soc Exp Biol Med 135:38-41, Oct 70
Regulation of water balance in genetically obese rats. York DA, et al. Proc Soc Exp Biol Med 136:798-801, Mar 71
Warfarin-resistant rats. R Soc Health J 90:289, Nov-Dec 70
Kidney malformations in fetuses of A x C line 9935 rats. Fujikura T. Teratology 3:245-9, Aug 70
Strain-dependent renal toxicity of a nonsteroid antiinflammatory agent. Bokelman DL, et al. Toxicol Appl Pharmacol 19:111-24, May 71
Correlation of 4-hour vs. 24-hour contact skin penetration toxicity in the rat and rabbit and use of the former for predictions of relative hazard of pesticide formulations. Weil CS, et al. Toxicol Appl Pharmacol 18:734-42, Mar 71
Control of granulopoiesis in bone marrow of normal albino rats by a maturation factor isolated from rat serum. Graham JD, et al. Trans Am Microsc Soc 90:238-42, Apr 71
A histocompatible chromosome marker system in the laboratory rat Rattus norvegicus. Howard JC. Transplantation 12:95-7, Jul 71
Differences in the growth of the Walker carcinoma in Sprague-Dawley and Wistar rats. Jensen G, et al. Z Krebsforsch 74:55-8, 1970
Spontaneous nephroblastomas in the rat. Magnusson G. Z Versuchstierkd 11:293-7, 1969
[Some epidemiological aspects of leptospirosis in Morocco. Survey on rats. Conditions peculiar to Meknès] Mailloux M. Bull Soc Pathol Exot 63:547-57, Sep-Oct 70 (Fre)
[Study of Angiostrongylus cantonensis (Chen, 1935) in the Upper Volta Republic. II. Results of the 2d survery in the urban zone of Bobo-Dioulasso] Scholihammer G, et al. Bull Soc Pathol Exot 62:731-3, 1969 (Fre)
[Cytochemical study of leukocytes of mice and rats] Desplaces A, et al. C R Acad Sci [D] (Paris) 272:1116-9, 22 Feb 71 (Fre)
[Role of rats in the epizootiology of Aujeszky's disease] Ulbrich F. Arch Exp Veterinaermed 24:297-301, 1970 (Ger)
[Therapy results with respect to multistage cancer therapy of the rat DS-carcinosarcoma without immunological attack] Ardenne M von, et al. Arch Geschwulstforsch 36:319-30, 1970 (Ger)
[Uterus of a rat, the horns of which are vesicularly distended and the tubes and cervix of which are completely closed] Fabian G. Berl Munch Tieraerztl Wochenschr 83:114, 15 Mar 70 (Ger)
[Strumous degeneration of rat kidneys (frequency and localization)] Hartig F, et al. Berl Munch Tieraerztl Wochenschr 84:213-6, 1 Jun 71 (Ger)
[Hypophysectomy in rats and mice, a comparison of SPF with conventional animals] Ebmeyer WR, et al. Endokrinologie 58:21-6, 1971 (Ger)
[X-ray diagnosis of the rat chest] Arndt D, et al. Radiol Diagn (Berl) 11:629-38, 1970 (Ger)
[A heart-lung machine for rats as an experimental model of extracorporeal circulation] Mendler N, et al. Thoraxchirurgie 17:534-8, Dec 69 (Ger)
[The isoenzyme pattern of the rat uterus. I. Comparative studies in the intact uterus] Lehmann J, et al. Z Geburtshilfe Gynaekol 173:330-8, 1970 (Ger)
[The modifying effect of the final host on the development of the intestinal fluke, Isthiophora melis (Schrank, 1788). 3. Development in the brown rat (Rattus norvegicus), a natural final host] Dönges J. Z Parasitenkd 35:169-72, 1970 (Ger)
[The latent salmonella infection in experimental animals] Potel J. Zentralbl Bakteriol [Orig] 203:292-5, 1967 (Ger)
[Kidney transplantation in rats: 1st surgical technic] Cortesini R, et al. Policlinico [Chir] 76:83-91, Mar-Apr 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Leptospirosis of Rattus norvegicus Berk. in the city of Trieste] De Monte T, et al.
Schweiz Arch Tierheilkd 113:201-7, Apr 71 (Ita)
[Chamber for in vivo microscopy of tissues in experiments on rats] Pliss GB, et al.
Biull Eksp Biol Med 68:120-2, Jun 69 (Rus)
[A device for exact registration of respiratory parameters of rats] Konza EA, et al.
Fiziol Zh SSSR 56:447-8, Mar 70 (Rus)
[Studies on the intermediate host of Angiostrongylus costaricensis (Morera and Céspedes, 1971)] Morera P, et al. Bol Chil Parasitol 25:135, Jul-Dec 70 (Spa)
[Studies of the definitive host of Angiostrongylus costaricensis. (Morera and Céspedes, 1971)] Morera P. Bol Chil Parasitol 25:133-4, Jul-Dec 70 (Spa)
[Individual variations in behavior among a homogeneous group of rats] Fernández Collazo EL. Rev Soc Argent Biol 45:145-50, Aug-Nov 69 (Spa)

ANATOMY & HISTOLOGY

A radiological approach to early tooth morphology in small mammals. Park AW.
Acta Anat (Basel) 76:16-24, 1970
Measurements of pineal parenchymal cells and their nuclei in the albino rat at different ages. Blumfield M, et al. Acta Morphol Neerl Scand 8:1-8, Sep 70
The morphology of the inferior uro-genital structures in the female newborn rat. Madjerek ZS, et al. Acta Morphol Neerl Scand 8:343-56, May 71
On the occurrence of lymphatic vessels in the adrenal gland of the white rat. Verhofstad AA, et al. Acta Morphol Neerl Scand 8:239, Feb 71
Cytoarchitecture of the substantia nigra in the rat. Hanaway J, et al. Am J Anat 129:417-37, Dec 70
Morphologic and microbiologic features of nasal cavity and middle ear in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:99-114, Jan 71
Morphologic and microbiologic features of trachea and lungs in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:115-29, Jan 71
The epithelium of the vaginal introitus in the rat. Gitlin G. Anat Rec 169:201-6, Feb 71
The spermatogonial stem cell population in adult rats. I. Their morphology, proliferation and maturation. Huckins C. Anat Rec 169:533-57, Mar 71
The fine structure of secretory granules in submandibular glands of the rat during early postnatal development. Kim SK, et al.
Anat Rec 168:463-75, Dec 70
The ultrastructure of the keratinizing epithelia of the incisor and molar gingivae of the albino rat: similarities and differences. Martinez IR Jr.
Anat Rec 170:1-29, May 71
The histophysiology of rat plantar sweat glands. Munger BL, et al. Anat Rec 169:1-21, Jan 71
A light and electron microscopic study of the nearly mature enamel of rat incisors. Warshawsky H. Anat Rec 169:559-83, Mar 71
Origin of the nerve endings in the surface zone of the median eminence of the rat hypothalamus. Réthelyi M, et al. Exp Brain Res 11:145-58, 1970
Light microscopic observations on the possible retinohypothalamic projection in the rat. Sousa-Pinto A, et al. Exp Brain Res 11:515-27, 1970
Electron microscopic observations on the possible retinohypothalamic projection in the rat. Sousa-Pinto A. Exp Brain Res 11:528-38, 1970
Proposed terminology for the anatomy of the rat stomach. Robert A. Gastroenterology 60:344-5, Feb 71
The cerebral ventricles of the rat. Levinger IM. J Anat 108:447-51, Apr 71
Origin and distribution of the amygdalofugal pathways in the rat: an experimental neuroanatomical study. Leonard CM, et al. J Comp Neurol 141:313-29, Mar 71
On the inferior olive of the albino rat. Schild RF. J Comp Neurol 140:255-60, Nov 70
Increase in number of synapses in the inner plexiform layer of light deprived rat retinae: quantitative electron microscopy. Sosula L, et al.
J Comp Neurol 141:427-51, Apr 71
A quantitative ultrastructural study of the inner plexiform layer of the rat retina. Sosula L, et al. J Comp Neurol 140:439-77, Dec 70
Population variation in Dipodomys ordii from Western Texas. Schmidly DJ. J Mammal 52:108-20, Feb 71
Ultrastructure aspects of red cell destruction in the normal rat spleen. Edwards VD, et al.
J Ultrastruct Res 33:187-201, Oct 70
[canning electron microscopy of developing roots of molar teeth of the laboratory rat. Lester KS, et al.
J Ultrastruct Res 33:80-94, Oct 70
The fine structure of the lateral nasal gland (Steno's gland) of the rat. Moe H, et al.
J Ultrastruct Res 36:127-48, Jul 71
Sex difference in the number of adipose cells from genetically obese rats. Lemonnier D.
Nature (Lond) 231:50, 7 May 71
Quantitative differences in the terminal vascular bed of the myocardium in the brown bat (Myotis myotis) and the laboratory mouse (Mus musculus). Wachtlová M, et al. Physiol Bohemoslov 19:491-5, 1970
The anatomy and histology of the kidney of sand rats (Psammomys obesus). Abdallah A, et al.
Z Versuchstierkd 11:261-75, 1969
[Morphologic-topographical study of the molar region in the albino rat] Schneider HG.
Acta Anat (Basel) 76:425-38, 1970 (Ger)
[Interosseous muscles of the rat] Deniz E.
Beri Munch Tieraerztl Wochenschr 84:312-5, 15 Aug 71 (Ger)
[The juxtaoral organ of the rat after denervation] Lischka M.
Z Anat Entwicklungsgesch 129:268-73, 1969 (Ger)
[Morphological evidence for the sympathetic innervation of brown adipose tissue of the rat. A fluorescence and electron microscopic study] Ochi J, et al. Z Anat Entwicklungsgesch 129:259-67, 1969 (Ger)
[Sexual dimorphism in the adrenal cortex of the rat. Light microscopic and histometric studies] Dhom G, et al. Z Zellforsch Mikrosk Anat 116:119-35, 1971 (Ger)
[Arteriovenous anastomoses with valve mechanisms in the dorsal skin of the hindpaw of rats] Pienk H Jr, et al. Z Zellforsch Mikrosk Anat 118:243-8, 1971 (Ger)
[Diploic circulation in the rat] Ghibellini MD.
Boll Soc Ital Biol Sper 46:385-8, 30 Apr 70 (Ita)
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 2. Postnatal changes in the rat mandibular joint: tooth eruption and histological change of the articular disc] Suzuki T.
Shikwa Gakuho 71:1331-6, May 71 (Jap)
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 3. Changes of the temporo-mandibular joint in the rat following the creation of experimental malocclusion: with special attention to changes in the disc] Suzuki T.
Shikwa Gakuho 71:1337-48, May 71 (Jap)

DRUG EFFECTS

Control of the susceptibility of rats (Rattus norvegicus) to anticoagulant rodenticides, in Gdynia--port and city. Przyborowski T, et al.
Bull Inst Mar Med Gdansk 21:225-8, 1970
Body temperature during fluoroacetate poisoning in rats. Filip J, et al. Physiol Bohemoslov 19:123-7, 1970
[Morphological and functional changes in the liver after intravenous injections of glucose and fructose in the rat] Orcel L, et al. Pathol Eur 5:377-83, 1970 (Fre)

EMBRYOLOGY

The prenatal phase of the morphosis of the rat parotid gland. Redman RS, et al. Anat Rec 168:127-37, Oct 70
Alkaline phosphatase in rodent secondary palate development. A histochemical and biochemical study. Sweney LR, et al. Anat Rec 170:235-41, Jun 71
The prenatal morphogenesis of the lateral nasal wall in the rat (Mus rattus). Vidić B.
J Morphol 133:303-17, Mar 71
The fine structure and development of the seminal vesicles and prostate in the fetal rat. Flickinger CJ.
Z Zellforsch Mikrosk Anat 109:1-14, 1970
[The development of the capillaries in the rat heart. An electron microscopic study] Odřádal B, et al.
Z Anat Entwicklungsgesch 133:288-304, 1971 (Ger)
[Deficiency of C2-fragments in the metabolism of embryonic rat cells in culture] Frank W.
Z Naturforsch [B] 26:255-9, Mar 71 (Ger)

ENZYMOLOGY

Tryptophan oxygenase in the rat liver. Beneš J, et al.
Physiol Bohemoslov 19:145-51, 1970

GROWTH & DEVELOPMENT

Instantaneous relative growth rates of preweanling rats as related to division of the sexes. Park AW.
Acta Anat (Basel) 76:464-70, 1970
Rat small intestine: development, composition and effects of perfusion. Miller DL.
Am J Dig Dis 16:247-54, Mar 71
Developmental patterns of LDH isozymes in fast and slow muscles of the rat. Margreth A, et al.
Arch Biochem Biophys 141:374-7, Nov 70
Fatty acid utilization during development of the rat. Lockwood EA, et al. Biochem J 120:49-54, Nov 70
Phospholipases in arterial tissue. VI. The role of growth and age in the development of phosphatide acyl-hydrolase activity in aortic tissue. Eisenberg S, et al. Biochim Biophys Acta 231:505-11, 4 May 71
N-acetyl-beta-glucosaminidase in the small intestine and its changes during postnatal development of the rat. Koldovský O, et al. Biol Neonate 17:1-9, 1971
Development of apposed sarcoplasmic reticulum at the T system and sarcolemma and the change in orientation of triads in rat skeletal muscle. Edge MB.
Dev Biol 23:634-50, Dec 70
The aortic tunica media in aging rats. Cliff WJ.
Exp Mol Pathol 13:172-89, Oct 70
Influence of diet, sex and age on skeletal size in seven strains of rats. Mickelsen O, et al.
Growth 35:11-22, Mar 71
Meat and bone meals as sources of amino acids for the growing rat: use of a reference diet to predict amino acid adequacy by levels of plasma free amino acids. Stockland WL, et al. J Anim Sci 31:1156-67, Dec 70
Histogenesis of the cerebellar climbing fiber in the rat. O'Leary JL, et al. J Comp Neurol 142:377-91, Jul 71
Transmaternal influence of the environment in determining age of vaginal canalization of female offspring in the rat. Ellett MH.
J Endocrinol 48:291-2, Oct 70
Vitamin D2 and cholesterolemia in the growing rat. Jurgens MH, et al. J Nutr 101:153-9, Feb 71
L-phenylalanine and L-tyrosine requirements of the growing rat. Stockland WL, et al.
J Nutr 101:177-84, Feb 71
Lysine requirement of the growing rat: plasma-free lysine as a response criterion. Stockland WL, et al.
J Nutr 100:925-33, Aug 70
Fatty acid synthesis in brown and white adipose tissue and liver of the rat during development. Hahn P.
Physiol Bohemoslov 19:369-73, 1970
Effect of hyperbarism on the blood sugar and lactic acid level and on serum lactic dehydrogenase activity during ontogenesis in the rat. Vorel F, et al.
Physiol Bohemoslov 19:73-6, 1970
[Toxicity of methylene blue and its effect on the oxidation metabolism of the central nervous system in rats during ontogenesis] Mourek J, et al.
Sb Lek 72:312-8, Dec 70 (Cze)
[Modification of central nervous system resistance against anoxia using various metabolic substrates and enzyme inhibitors during ontogenesis] Mourek J, et al. Sb Lek 72:302-11, Dec 70 (Cze)
[Quantitative studies on the postnatal growth of Rattus nervegicus Berkenhaut under normal and statistically modified conditions. I. Body weight] Schumacher GH, et al. Acta Anat (Basel) 78:255-73, 1971 (Ger)
[Sex differences in the ultrastructure of the rat adrenal cortex] Müusie E.
Z Zellforsch Mikrosk Anat 116:136-50, 1971 (Ger)
[Influence of group size on growth and variance of body weight in baby-rats] Bonath K.
Zentralbl Veterinaermed [A] 18:401-8, Jul 71 (Ger)

IMMUNOLOGY

Comparison of formation of granulomata around eggs of Schistosoma mansoni in the mouse, guinea pig, rat, and hamster. Akpom CA, et al.
Am J Trop Med Hyg 19:996-1000, Nov 70
Comparison of the pulmonary bactericidal capacity of mice and rats against strains of Pseudomonas aeruginosa. Southern PM Jr, et al.
Appl Microbiol 21:377-8, Feb 71
Plasmodium berghei: precipitins in rats infected with attenuated strain, made hyperimmune to virulent strain, or vaccinated with extract of virulent strain. Weiss ML, et al. Exp Parasitol 29:80-5, Feb 71
Distribution of H-1 antigens in two random bred colonies of rats. Stark O, et al.
Folia Biol (Praha) 17:1-6, 1971
The systemic distribution of soluble antigen injected into the footpad of the laboratory rat. Tilney NL.
Immunology 19:181-4, Jul 70
Lymph node cells: their differential capacity to induce tolerance of heart and skin homografts in rats. Barker CF, et al. Science 172:1050-2, 4 Jun 71
Prolonged survival of renal allografts in rats mismatched at the major histocompatibility locus. Salaman JR. Transplantation 11:63-70, Jan 71
Chronic kidney allograft reactions in rats. White E, et al. Transplantation 8:602-17, Nov 69

METABOLISM

Some observations on the vitamin B12 content of rat's milk. Williams DL, et al. Br J Nutr 25:295-8, Mar 71
Energy metabolism and body water turnover rates of two species of free-living kangaroo rats, Dipodomys merriami and Dipodomys microps. Mullen RK.
Comp Biochem Physiol 39:379-90, 1 Jul 71
Adrenal steroidogenesis in rats bred for susceptibility and resistance to the hypertensive effect of salt. Rapp JP, et al. Endocrinology 88:52-65, Jan 71
Defective testicular testosterone synthesis by the pseudohermaphrodite rat: an abnormality of 17 beta-hydroxysteroid dehydrogenase. Schneider G, et al. Endocrinology 87:864-73, Nov 70
Absence of androgen stimulation of hepatic steroid sulfatase in the female rat. Schneider G, et al.
Endocrinology 89:308-16, Jul 71
Preputial gland growth and protein synthesis in the androgen-insensitive male pseudohermaphroditic rat. Sherins RJ, et al. Endocrinology 89:835-41, Sep 71
Hymenolepis diminuta: quantity of host amino acid dietary supplement and growth. Mettrick DF.
Exp Parasitol 29:13-25, Feb 71
Effect of altered hormonal states on histochemical distribution of proteins in the rat prostatic complex. Takkar GL, et al. Indian J Exp Biol 8:239-44, Oct 70
Effect of activated carbon on elimination of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

organochlorine pesticides from rats and cows. Fries GF, et al. J Dairy Sci 53:1632-7, Nov 70
Efficiency of protein utilization in young rats at various levels of intake. Hegsted DM, et al. J Nutr 100:1173-9, Oct 70
Effect of maternal diet in rats on feed consumption of the offspring. Hsueh AM, et al. J Nutr 100:1157-63, Oct 70
Lipogenesis in adipose tissue from genetically obese rats. Bray GA, et al. Metabolism 19:839-48, Oct 70
Glucose metabolism by rat embryos in vitro. Tanimura T, et al. Proc Soc Exp Biol Med 135:51-4, Oct 70
Carbohydrate metabolism in newborn lambs and rats. Thomas PC, et al. Res Vet Sci 11:277-9, May 70
[Comparative study of some indicators of heat exchange in the bandicoot and Norway rat] Shung K van, et al. Vestn Leningr Univ [Biol] 1:7-20, Feb 70 (Rus)
[Hemoglobin heterogeneity in rats] Rekun GM, et al. Ukr Biokhim Zh 41:130-4, 1969 (Ukr)

PHYSIOLOGY

Fine structural modifications of the rat chromatoid body during spermiogenesis. Susi FR, et al. Am J Anat 129:177-91, Oct 70
Lesions in aged germfree Wistar rats. Pollard M, et al. Am J Pathol 61:25-36, Oct 70
The atrial wave complex in the UF Bcg a Y of rats. Rademeyer LJ. Bibl Cardiol 26:321-6, Mar-Apr 69
Deterioration of myocardial function in rats associated with age, as measured by the UF acceleration bcg. Rademeyer LJ. Bibl Cardiol 26:188-97, Mar-Apr 69
Protein-calorie deficiency in rats. Growth and reproduction. Stewart RJ, et al. Br J Nutr 25:175-80, Jan 71
Sensory evoked potentials in the hypothalamus of the rat. Sarne Y, et al. Electroencephalogr Clin Neurophysiol 30:45-51, Jan 71
Radioimmunoassay of urinary antidiuretic hormone with application to study of the Brattleboro rat. Miller M, et al. Endocrinology 88:1389-96, Jun 71
Effects of corpus luteum removal on ovarian cyclicity of the rat. Smalstig EB, et al. Endocrinology 89:714-21, Sep 71
Regulation of immunoreactive growth hormone secretion in male rats. Takahashi K, et al. Endocrinology 88:909-17, Apr 71
Aldosterone-elicited sodium appetite. Weisinger RS, et al. Endocrinology 89:538-44, Aug 71
Retention of tactile discriminations following somatosensory cortical lesions in the rat. Finger S, et al. Exp Brain Res 112:354-60, 26 May 71
Patterns of gonadotrophin secretion associated with ovulation. Gay VL, et al. Fed Proc 29:1880-7, Nov-Dec 70
Effects of testosterone propionate and dicumarol on plasma prothrombin rate and serum cholesterol level in capons and orchiectomized rats. Raheja KL, et al. Gen Comp Endocrinol 16:385-90, Apr 71
Effect of ACTH on gonadal blood flow in the golden hamster and the rat. Varga B, et al. Gen Comp Endocrinol 13:468-73, Dec 69
Studies on physiology & biochemistry of cervix: response of rat cervix to a continuous low dose of megestrol acetate. Sanwal PC, et al. Indian J Exp Biol 8:326-7, Oct 70
Individual differences in critical temperatures among rats at various ages. Blackmore D. J Appl Physiol 29:556-9, Nov 70
Semiautomatic blood sampler for the rat. Graham MM. J Appl Physiol 30:772-3, May 71
Illness-induced aversions in rat and quail: relative salience of visual and gustatory cues. Wilcoxon HC, et al. Science 171:826-8, 26 Feb 71
[Histometabolic characteristics of the brown fat in the atrichous mutant of AG Wistar rat. Comparative study with the normal Wistar AG rat] Hadjiisky P, et al. C R Soc Biol (Paris) 164:1448-53, 1970 (Fre)
[Construction and mechanism of a respiration machine for rats] Fliegel H, et al. Z Tierphysiol 23:278-84, Apr 68 (Ger)
[Changes in the functional state of the neurons of the preoptic and arcuate areas of the hypothalamus at various stages of the female rat cycle] Babichev VN. Probl Endokrinol (Mosk) 16:47-50, May-Jun 70 (Rus)

RADIATION EFFECTS

The relationship between intramedullary dose and 59Fe uptake in the bones of rats exposed to whole-body 250 kVp x-irradiation. Maillie HD, et al. Health Phys 20:179-85, Feb 71
Ecology and radiation exposure of kangaroo rats living in a tritiated environment. Hatch FT, et al. Radiat Res 44:97-107, Oct 70
Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations. Levich C, et al. Radiat Res 44:108-15, Oct 70
Stimulated uptake of alpha-aminoisobutyric acid in rat liver following whole-body gamma-irradiation. Shihabi Z, et al. Radiat Res 45:202-9, Jan 71
Changes of activity of proteolytic enzymes in blood and urine of whole-body x-irradiated animals. Vranovská J, et al. Strahlentherapie 141:472-7, Apr 71
[Characteristics of comparative radiosensitivity of rats from the August and Wistar lines] Pauper AI. Radiobiologiia 11:217-20, Mar-Apr 71 (Rus)

RAUSCHER VIRUS (B4)

Free and membrane-bound polyribosomes in normal and Rauscher-virus-infected mouse spleen cells. Burghouts JT, et al. Biochem J 119:749-56, Oct 70
The erythrocyte as virus carrier in Friend and Rauscher virus leukemias. Reilly CA Jr, et al. Cancer Res 31:841-6, Jun 71
Evidence for the rapid decrease in leukemogenic potential Rauscher leukemia virus in cell culture. Schlom J, et al. Cancer Res 31:260-4, Mar 71
Decrease in tumor-producing capacity of mouse cell lines following infection with mouse leukemia viruses. Barbieri D, et al. Int J Cancer 7:364-71, 15 Mar 71
Isolation of murine sarcoma virus-transformed mouse cells which are negative for leukemia virus from agar suspension cultures. Bassin RH, et al. Int J Cancer 6:95-107, 15 Jul 70
Type-C particles in human tissues. II. Electron microscopic study of embryonic cultures infected with a murine leukemia virus. Chandra S, et al. Int J Cancer 6:46-55, 15 Jul 70
Viral leukemogenesis in immunologically and hematologically altered mice. Sinkovics JG, et al. J Reticuloendothel Soc 8:474-92, Nov 70
Electron microscopic studies of tumor viruses. I. Entry of murine leukemia virus into mouse embryo fibroblasts. Miyamoto K, et al. J Virol 7:395-406, Mar 71
Increased transformation efficiency of Simian virus 40 in rat embryo cells infected with Rauscher leukaemia virus. Rhim JS, et al. Nature [New Biol] 230:81-3, 17 Mar 71
Method of virus particle counting using millipore filtration. Barbieri D, et al. Virology 42:544-7, Oct 70
[Stimulation of Rauscher virus induced leukemogenesis in mice by complete Freund's adjuvant] Ter-Grigorov VS, et al. Vopr Onkol 17:54-9, 1971
[Virus-induced chromosome aberrations in ascitic Ehrlich carcinoma cells (AECC) and simultaneous spleen reaction in inoculated mice] Wiener F, et al. Arch Geschwulstforsch 35:21-35, 1970 (Ger)
[Experimental studies on protection against Rauscher leukemia with Rauscher virus vaccine] Nagao T, et al. Acta Haematol Jap 33:219-25, Apr 70 (Jap)
[Role of 7S- and 19S-antibodies in the mechanism of stimulation and inhibition of Rauscher virus leukemia in mice] Ter-Grigorov VS, et al. Biull Eksp Biol Med 71:61-4, Jan 71 (Rus)
[The mechanism stimulation of viral leukemogenesis by complete Freund's adjuvant] Ter-Grigorov VS, et al. Vopr Onkol 17:70-7, 1971 (Rus)
[Rauscher virus and its effect on RNA synthesis in the spleen cells of line BALB-c mice] Kiselev FI, et al. Vopr Virusol 15:589-96, Sep-Oct 70 (Rus)

ANALYSIS

Glycoprotein components of avian and murine RNA tumor viruses. Duesberg PH, et al. Virology 41:631-46, Aug 70

DRUG EFFECTS

Effect of concurrent treatment with terramycin and streptonigrin on Rauscher virus in BALB-c mice. Vadlamudi S, et al. Arch Ital Patol Clin Tumori 13:25-35, Jan-Jun 70
The effects of protamine on a murine leukemia virus. Bates HA, et al. Br J Cancer 25:130-4, Mar 71

ENZYMOLOGY

Nucleoside triphosphate phosphotransferase. A new enzyme activity of oncogenic and non-oncogenic "budding" viruses. Roy P, et al. Biochim Biophys Acta 235:191-206, 14 Apr 71
RNA dependent DNA polymerase activity in mammalian cells. Scolnick EM, et al. Nature (Lond) 229:318-21, 29 Jan 71
Separation of murine cellular and murine leukaemia virus DNA polymerases. Ross J, et al. Nature [New Biol] 231:163-7, 9 Jun 71
RNA-dependent DNA polymerase activity in five RNA viruses: divalent cation requirements. Scolnick E, et al. Proc Natl Acad Sci USA 67:1789-96, Dec 70

GROWTH & DEVELOPMENT

Long-term in vitro cultivation of Rauscher Leukemia virus in rat embryo cells. Rhim JS, et al. Proc Soc Exp Biol Med 135:160-6, Oct 70

IMMUNOLOGY

Proteins of the murine C-type RNA tumour viruses: isolation of a group-specific antigen by isoelectric focusing. Oroszlan S, et al. J Gen Virol 8:1-10, Jul 70
The immunosuppressive effects of Rauscher leukemia virus upon spleen cells cultured in cell-impermeable diffusion chambers. II. Effects upon IgM and IgG immunologic memory and on response to phytohemagglutinin and stimulation with allogeneic cells. Borella L. J Immunol 107:464-75, Aug 71
Detection of antigenic subunits of a murine leukemia virus by passive hemagglutination-inhibition. Sibal LR, et al. J Immunol 106:1050-5, Apr 71
Comments on: Rauscher viral leukemogenesis in BALB-c mice treated with rabbit antimouse thymocyte serum, by Benjamin V. Siegel and Jane I. Morton, Department of Pathology and Division of Immunology, University of Oregon Medical School, Portland, Oregon 97201. Hirsch MS. J Natl Cancer Inst 45:iii-iv, Aug 70
Sarcoma rejection in mice born of mothers actively immunized against murine leukemia viruses. Otten JA, et al. J Natl Cancer Inst 45:227-33, Aug 70

ISOLATION & PURIFICATION

Incomplete sedimentation of Rauscher leukaemia virus particles during ultracentrifugation. Offers S, et al. Eur J Cancer 7:357-9, Aug 71

METABOLISM

Inhibitors acting on nucleic acid synthesis in an oncogenic RNA virus. Müller WE, et al. Nature [New Biol] 232:143-5, 4 Aug 71
Heterogeneity of murine leukemia virus in vitro DNA; detection of viral DNA in mammalian cells. Gelb LD, et al. Science 172:1353-5, 25 Jun 71

PATHOGENICITY

Aerosol transmission of Rauscher Murine Leukemia virus. McKissick GE, et al. J Natl Cancer Inst 45:625-36, Oct 70
Histoproliferative effect of Rauscher leukemia virus on lymphatic tissue. 3. Alterations in the thymic-dependent area induced by the passenger lactic dehydrogenase virus. Snodgrass MJ, et al. J Natl Cancer Inst 45:741-59, Oct 70
Morphological transformation of rat embryo cells by the combined action of 3-methylcholanthrene and Rauscher leukaemia virus. Price PJ, et al. Nature [New Biol] 230:144-6, 31 Mar 71
Therapeutic activity of narcissus alkaloid on Rauscher leukemia and comparison with standard drugs. Furusawa E, et al. Proc Soc Exp Biol Med 136:1168-73, Apr 71

RAUWOLFIA (B6, D2, D5, D6)

ADMINISTRATION & DOSAGE

[Delayed ajmaline in the treatment of various arrhythmias in elderly and aged patients] Corneo GG, et al. Minerva Med 61:4301-5, 29 Sep 70 (Ita)
[Oral action of N-propyl-ajmaline bitartrate. I. Preliminary note] Martínez-Muñoz A. Rev Esp Cardiol 23:331-40, Jun 70 (Spa)

ADVERSE EFFECTS

[Intrahepatic cholestasis in connection with ajmaline treatment] Beermann B, et al. Nord Med 84:1212, 17 Sep 70 (Swe)

ANALYSIS

Pharmacology of pelirine. Wan AS, et al. Planta Med 19:203-7, Feb 71
Olefinic and acetylenic compounds. I. Improved simple synthesis of (18)annulene; new stereospecific synthesis of 1,5-hexadiyne-3-ene cis. Figeys HP, et al. Tetrahedron Lett 59:5139-42, Dec 70
[N(a)-demethylseredamin, a new alkaloid from Rauwolfia sumatrana; absolute configuration of seredamine] Hanaoka M, et al. Helv Chim Acta 53:1723-32, 1970 (Ger)

ANATOMY & HISTOLOGY

Pharmacognostical examination of the roots and stems of Rauwolfia mannii Stapf. Court WE. J Pharm Pharmacol Suppl:40S+, Dec 70

CLASSIFICATION

[Rauwolfia alkaloids] Pakrashi S, et al. Farmatsiia 17:64-82, Jul-Aug 68 (171 ref.) (Rus)

DIAGNOSTIC USE

[Value of ajmaline in the clinical diagnosis of Wolff-Parkinson-White syndrome] Correale E, et al. Rass Int Clin Ter 50:989-1006, 31 Aug 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHARMACODYNAMICS

Adrenal ascorbic acid content of rats after different rauwolfia alkaloids. Chatterjee ML, et al.
Bull Calcutta Sch Trop Med 17:15-6, Jan 69
[A method of studying antifibrillatory agents: the isolated auricle of the rabbit placed in controlled hypothermia and electrically excited] Jacque M. C R Soc Biol (Paris) 164:1117-9, 1970 (Fre)
[Kinetics of the blocking action of antifibrillatory drugs on sodium channels in myocardial fibers] Heistracher P, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:351-2, 1970 (Ger)
[Kinetics of the recovery of sodium channels from the blocking action of antifibrillatory drugs] Liebeswar G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:392-3, 1970 (Ger)
[The effect of Raubasin on kidney function] Giessauf W, et al.
Wien Med Wochenschr 120:292-3, 25 Apr 70 (Ger)
[On the effect of ajmaline and dimonochloroacetylajmaline on some liver function indices] Pompei A, et al.
Arch E Maragliano Patol Clin 25:317-21, Jul-Aug 69 (Ita)
[The influence of di-monochloroacetyl-ajmaline on the toxic effects of digitalis. Electrocardiographic study on the isolated rabbit heart] Sperandeo V, et al.
Biol Lat 22:207-15, Jul-Sep 69 (Ita)
[Modifications of the inotropic effect of ajmalin in a healthy subject. Comparison of the quinidine and procainamide effect] Bruno L, et al.
Folia Cardiol (Milano) 28:1-10, 1969 (Ita)

THERAPEUTIC USE

[Ajmaline] Tricot R, et al.
Ann Cardiol Angeiol (Paris) 19:357-60, Oct-Dec 70 (Fre)
[Clinical action of an original hypotensive combination] Linquette M, et al.
Lille Med 13:Suppl:248-51, Mar 68 (Fre)
[Quantitative comparative studies on the changing of the ventricular fibrillation threshold by antifibrillatory substances] Diederich KW, et al.
Z Kreislaufforsch 59:736-43, Aug 70 (Ger)
[Hemodynamic changes after intravenous administration of ajmaline in cardiopathic patients] Knippel M, et al.
Boll Soc Ital Cardiol 16:47-56, 1971 (Ita)
[Considerations on the use of ajmaline in Wolff-Parkinson-White syndrome] Nicita-Mauro V.
Boll Soc Ital Cardiol 15:123-32, 1970 (Ita)
[Role of ajmaline in the therapy of heart arrhythmias. 10 years' clinical experience] Tronconi L, et al.
Clin Ter 54:247-60, 15 Aug 70 (Ita)
[Changes in the electrolytic picture and in the glucidic metabolism in the course of treatment with an hypotensive combination of hypertensive patients with peripheral arteriopathies] Costantini S, et al.
Minerva Cardioangiol 17:948-60, Nov 69 (Ita)
[Correlations between reactive hyperemia and response to vasodilator agents in patients with obliterating arteriopathies of the lower limbs] Dabizzi RP, et al. Minerva Cardioangiol 18:287-90, May 70 (Ita)
[Evaluation of ajmaline therapy in 187 patients] Lampertico M.
Minerva Med 62:1797-809, 2 May 71 (Ita)
[Use of ajmaline in the therapy of various heart arrhythmias and comparison with the classic antiarrhythmic drug quinidine] Scardino R, et al.
Minerva Med 61:4289-300, 29 Sep 70 (Ita)

TOXICITY

[Comparative experimental studies on intoxications with ajmaline and N-n-propyl-ajmalinium-hydrogentartrate (NPAB)]
Weidner A, et al.
Arzneim Forsch 21:685-7, May 71 (Ger)

RAUWOLFIA ALKALOIDS see under RAUWOLFIA

(B6, D2, D5, D6)

RAUWOLFIA ALKALOIDS see under YOHIMBANS

(D2)

RAUWOLSCINE see under YOHIMBANS (D2)

RAYNAUD'S DISEASE (C8)

Scleroderma, Raynaud's phenomenon, and local anesthetics. Eisele JH, et al.
Anesthesiology 34:386-7, Apr 71
The Raynaud syndrome. Birnstingl M.
Postgrad Med J 47:297-310, May 71 (51 ref.)
[Raynaud's disease. Clinical report and surgical treatment (report of 482 cases)] Ruberti U, et al.
Minerva Chir 26:249-55, 15 Mar 71 (Ita)

BLOOD

Hematology mediquiz. Case 2. Pisciotta AV.
Med Times 99:75 passim, Mar 71
[Status of the blood coagulation and anticoagulation system in endarteriosis, atherosclerosis and thrombophlebitis of the lower extremities] Chubinidze PN. Klin Khir 4:84-6, Apr 70 (Rus)

CHEMICALLY INDUCED

Iatrogenic Raynaud's phenomenon. Winchester JF, et al. Br Med J 3:113, 10 Jul 71
[Raynaud-like clinical picture during the treatment with an oral contraceptive] Ebert H.
Dtsch Gesundheitsw 25:1642-3, 27 Aug 70 (Ger)

COMPLICATIONS

Primary biliary cirrhosis with scleroderma, Raynaud's phenomenon and telangiectasia. New syndrome. Reynolds TB, et al. Am J Med 50:302-12, Mar 71
The CRST syndrome. Slavin S, et al.
Isr J Med Sci 7:738-44, Jun 71
Progressive systemic sclerosis presenting with Raynaud's phenomenon in the tongue and sensory trigeminal neuropathy. Casey EB, et al.
Rheumatol Phys Med 11:131-3, Aug 71
[Calcinosis-Raynaud's disease-sclerodactylia-telangiectasis syndrome] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 78:53-4, 1971 (Fre)
[Peripheral gangrene in lupus erythematosus] Metz G, et al.
Munch Med Wochenschr 113:729-34, 7 May 71 (Ger)
[Necrosing livedo reticularis] Martorell F.
Angiologia 23:149-53, Jul-Aug 71 (Spa)

DIAGNOSIS

Occupational acroosteolysis. 3. A clinical study. Dodson VN, et al. Arch Environ Health 22:83-91, Jan 71
A comparison of some methods of diagnosing Raynaud phenomena of occupational origin. Heilstrom B, et al.
Br J Ind Med 28:272-9, Jul 71
Scleroderma in the elderly, with special reference to the CRST syndrome. Hodkinson HM.
J Am Geriatr Soc 19:224-8, Mar 71
[Thermography and Raynaud's disease] Beurey J, et al.
Bull Soc Fr Dermatol Syphiligr 77:548-50, 1970 (Fre)
[Arteriolitis, revealed by arteriographies, in 17 cases of Raynaud's diseases] Drianno JC.
Bull Soc Fr Dermatol Syphiligr 77:543-5, 1970 (Fre)
[Thermographic data in Raynaud's syndrome. Initial results in Lyon] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 77:462-4, 1970 (Fre)
[Raynaud's disease. Animal experimental study on the problem of stage II according to Ratschow] Klemencic J, et al. Med Welt 25:1139-45, 20 Jun 70 (Ger)
[Clinico-pathophysiologic data concerning Raynaud's disease] Vykhovskaia AG, et al.
Klin Med (Mosk) 49:108-16, Mar 71 (Rus)

DRUG THERAPY

Reserpine in Raynaud's phenomenon. Dimitriu CG, et al. Lancet 2:1199, 5 Dec 70
Griseofulvin in Raynaud's disease. Hasker WE.
Lancet 2:1136, 28 Nov 70
Reserpine and Raynaud's phenomenon. Gifford RW Jr.
N Engl J Med 285:290-1, 29 Jul 71
[Effect of cyproheptadine and indomethacin on Raynaud's phenomenon. Raynaud's disease and angioneurosis caused by vibration instruments] Nattero G, et al.
Minerva Cardioangiol 18:610-5, Nov 70 (Ita)
[Use of pyrimidinol-carbamate in the therapy of peripheral obliterative arteriopathies] Tarditо E, et al. Minerva Cardioangiol 18:692-705, Dec 70 (Ita)

ETIOLOGY

Vibration syndrome. McCallum RI.
Br J Ind Med 28:90-3, Jan 71
White fingers. JAMA 215:631, 25 Jan 71
Arterial occlusion caused by jobs that are hard on the hands. Olin R. Med Times 99:178-9 passim, Jan 71
[Paramyloidosis, macroglossia and Raynaud's syndrome in Bence-Jones plasmacytoma] Fateh-Moghadam A, et al.
Dtsch Med Wochenschr 96:539-41 passim, 26 Mar 71 (Ger)
[Post-traumatic Raynaud's syndrome of the hand. Description of 2 cases] Tomasini M.
Med Lav 61:378-86, Jun-Jul 70 (Ita)
[Nosographic classification of diseases caused by vibratory machines by means of angiographic examination] Feltrin G, et al.
Minerva Cardioangiol 18:671-5, Dec 70 (Ita)
[Raynaud 's syndrome of the upper limbs secondary to microtrauma] Borri P, et al.
Minerva Chir 25:789-801, 15 Jun 70 (Ita)
[Articular and osseous changes in the hand in scleroderma] Maksimović B, et al.
Reumatizam 18:49-53, 1971 (Cro)

IMMUNOLOGY

IgA-IgG cryoglobulinaemia with vasculitis. Whitsed HM, et al. Clin Exp Immunol 9:183-91, Aug 71

OCCURRENCE

Vibration syndrome in Foresty Commission chain saw operators. Taylor W, et al. Br J Ind Med 28:83-9, Jan 71

PHYSIOPATHOLOGY

Vasomotor tone and vascular responses to local cold in primary Raynaud's disease. Lottenbach K.
Angiology 22:4-8, Jan 71
Digital systolic pressures in the lower limb in arterial disease. Carter SA, et al. Circulation 43:905-14, Jun 71
Cold hypersenstivity in Raynaud's phenomenon. Jamieson GG, et al. Circulation 44:254-64, Aug 71
Thermoregulation and Raynaud's phenomenon. Downey JA, et al. Clin Sci 40:211-9, Mar 71
Finger blood circulation in forest workers with Raynaud phenomena of occupational origin. Heilstrom B, et al. Int Z Angew Physiol 29:18-28, 1970
Total and capillary fingertip blood flow in Raynaud's phenomenon. Coffman JD, et al.
N Engl J Med 285:259-63, 29 Jul 71
[Study on digital arterial reactivity in a case of Raynaud's disease] Lipparini R, et al.
Arch Patol Clin Med 46:233-50, Aug 70 (Ita)

RADIOGRAPHY

[Angiographic studies on vibration-induced vascular changes] Horváth F, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:164-9, Aug 70 (Ger)

SURGERY

[Transient results following the resection of the 3d sympathetid dorsal ganglion by the dorsal approach: importance of a more pronounced dorsal resection] Perrin M, et al. Lyon Chir 65:599-602, Jul-Aug 69 (Fre)
[Supraclavicular sympathectomy in Raynaud's disease] Tiunder EO, et al. Vestn Khir 105:123-4, Aug 70 (Rus)

THERAPY

Low molecular weight dextran infusions in systemic sclerosis with Raynaud's phenomenon: a report of nine cases. Lane P. Br Med J 4:657-9, 12 Dec 70
[Balneotherapy for patients with obliterative endarteritis and atherosclerosis of the vessels of the extremities at the "Khmel'nik" sanitorium] Deda SS, et al. Vrach Delo 83-4, Jan 71 (Rus)

REACTION TIME (F3)

Electromyographical analysis of reaction time. Wojtczak-Jarosz J, et al.
Acta Neurobiol Exp (Warsz) 31:141-50, 1971
Disturbances of vigilance in subcortical epilepsy. Bruhn P. Acta Neurol Scand 46:442-54, 1970
The diminishing time-uncertainty with the lapse of time after the warning signal in reaction-time experiments with varying fore-periods. Näätänen R.
Acta Psychol (Amst) 34:399-419, Dec 70
Effects of practice on simple reaction time of trainable mental retardates. Wyrick W, et al.
Am Correct Ther J 24:176-9, Nov-Dec 70
Effects of knowledge of results, feedback in relation to standards, and goals on reaction-time performance. Locke EA. Am J Psychol 81:566-74, Dec 68
Comparison of analgesic, cholinomimetic, anticholinergic and sympathomimetic drugs by means of the hot-plate test. Eick AJ van, et al.
Arch Int Pharmacodyn Ther 189:384-7, Feb 71
Effects of some psychoactive drugs on conditioned avoidance response in aggressive mice. Yen HC, et al.
Arch Int Pharmacodyn Ther 190:103-9, Mar 71
The use of operant procedures to reduce rates of reading and speaking. Bradford LJ.
ASHA Monogr 14:19-23, Jan 70
Response latencies to auditory stimuli in autistic children engaged in self-stimulatory behavior. Lovaas OI, et al. Behav Res Ther 9:39-49, Feb 71
The assessment of nominal dysphasia in dementia: the use of reaction-time measures. Lawson JS, et al.
Br J Med Psychol 41:411-4, Dec 68
The effects of low level DC scalp positive and negative current on the performance of various tasks. Hall KM, et al. Br J Psychiatry 117:689-91, Dec 70
Rate of information processing in a schizophrenic and a control group: the effect of increasing task complexity. Slade PD.
Br J Soc Clin Psychol 10:152-9, Jun 71
Simple and choice reaction times to lateralized visual stimuli in normal stimuli. Rizzolatti G, et al.
Brain Res 24:557-8, 18 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Simple reaction time to cutaneous temperature stimuli. Corson JH, et al. Can J Psychol 24:305-10, Oct 70
Interrelationships of evoked and slow potential responses. Small JG, et al. Dis Nerv Syst 31:459-64, Jul 70
The relationship of reaction time to brain wave period: a re-evaluation. Boddy J. Electroencephalogr Clin Neurophysiol 30:229 35, Mar 71
A re-examination of the relationship between reaction time and EEG wave period. Boddy J. Electroencephalogr Clin Neurophysiol 30:367, Apr 71
While a monkey waits: electrocortical events recorded during the foreperiod of a reaction time study. Donchin E, et al. Electroencephalogr Clin Neurophysiol 31:115-27, Aug 71
Auditory evoked potentials, motor potentials and reaction time. Karlin L, et al. Electroencephalogr Clin Neurophysiol 31:129-36, Aug 71
Evidence for a refractory period in the neuroendocrine mechanism for the release of prolactin. Grosvenor CE, et al. Endocrinology 88:355-8, Feb 71
Reaction time and performance in learning a two dimensional compensatory tracking task. Assen A van, et al. Ergonomics 13:707-17, Nov 70
Performance changes during the sustained operation of a complex psychomotor task. Ellingstad VS, et al. Ergonomics 13:693-705, Nov 70
The effect of mixed visual contrast schedules on detection times for both free and horizontally structured visual search. Lovie AD, et al. Ergonomics 13:735-41, Nov 70
Drivers' brake reaction times. Johansson G, et al. Hum Factors 13:23-7, Feb 71
Visual response time changes in athletes during physical effort. Malomsoki J, et al. Int Z Angew Physiol 29:65-72, 1970
Hypnosis, relaxation, and motor retardation. Ham MW, et al. J Abnorm Psychol 77:329-31, Jun 71
Reaction time performance as a function of field dependence and autonomy in test administration. Lefcourt HM, et al. J Abnorm Psychol 76:475-81, Dec 70
Autonomic responses to threatening stimuli in relation to the repression-sensitization dimension. Simal FJ, et al. J Abnorm Psychol 76:106-9, Aug 70
Speed of perceptual functioning in chronic nonparanoid schizophrenics. Yates AJ, et al. J Abnorm Psychol 76:453-61, Dec 70
The use of the kinemometer as a screening tool in neurologic deficits of the low back. Carlson JA. J Am Osteopath Assoc 70:1119, Jun 71
Speed, accuracy, and strength of forelimb movement after unilateral pyramidotomy in rhesus monkeys. Beck CH, et al. J Comp Physiol Psychol 70:1-22, Feb 70
Effects of varying the length and frequency of response-stimulus interval on the reaction times of normal and mentally deficient subjects. Joubert CE, et al. J Comp Physiol Psychol 73:105-10, Oct 70
Effects of stimulus-response compatibility and complexity upon reaction times of normals and retardates. Mulhern T, et al. J Comp Physiol Psychol 75:459-63, Jun 71
Stimulus complexity and intramodal reaction time in retarded readers. Blank M, et al. J Educ Psychol 62:117-22, Apr 71
Effects of some variations in auditory input upon visual choice reaction time. Bernstein IH, et al. J Exp Psychol 87:241-7, Feb 71
Energy integration in intersensory facilitation. Bernstein IH, et al. J Exp Psychol 86:196-203, Nov 70
Processing symbolic information from a visual display: interference from an irrelevant directional cue. Craft JL, et al. J Exp Psychol 83:415-20, Mar 70
Operant suppression of electrodermal response rate as a function of punishment schedule. Crider A, et al. J Exp Psychol 83:333-4, Feb 70
Time course of visual and auditory encoding. Dainoff MJ. J Exp Psychol 86:214-24, Nov 70
Motivation, reaction time, and the contents of active verbal memory. Doll TJ. J Exp Psychol 87:29-36, Jan 71
Interhemispheric effects on reaction time to verbal and nonverbal visual stimuli. Geffen G, et al. J Exp Psychol 87:415-22, Mar 71
A choice reaction time test of ideomotor theory. Greenwald AG. J Exp Psychol 86:20-5, Oct 70
Verbal expectancy and probability in two-choice reaction time. Hinrichs JV, et al. J Exp Psychol 88:367-71, Jun 71
Simple reaction time as a function of stimulus intensity in decibels of light and sound. Kohfeld DL. J Exp Psychol 88:251-7, May 71
Effect of type of catch trial upon generalization gradients of reaction time. La Berge D. J Exp Psychol 87:225-8, Feb 71
Effects of primary and secondary aversive motivation on finger-withdrawal reaction time responses. Levis DJ, et al. J Exp Psychol 89:126-31, Jul 71
Reaction time as a function of perceptual bias, response bias, and stimulus discriminability. Orenstein HB. J Exp Psychol 86:38-42, Oct 70
Effects of an irrelevant auditory stimulus on visual choice reaction time. Simon JR, et al. J Exp Psychol 86:272-4, Nov 70
Response interference in an information processing task: sensory versus perceptual factors. Simon JR, et al. J Exp Psychol 85:311-4, Aug 70
Auditory S-R compatibility: reaction time as a function of ear-hand correspondence and ear-response-location correspondence. Simon JR, et al. J Exp Psychol 86:97-102, Oct 70
Reaction time to onset and offset of lights and tones: reactions toward the changed element in a two-element display. Simon JR, et al. J Exp Psychol 89:197-202, Jul 71
S-R compatibility and the idea of a response code. Wallace RJ. J Exp Psychol 88:354-60, Jun 71
Motor response latency as an indicator of subliminal affective stimulation. Watson GB. J Gen Psychol 82:139-43, Apr 70
The distribution of reaction times in mental retardates. Weaver LA, et al. J Ment Defic Res 14:295-304, Dec 70
The relationship of alpha activity to attentional sets in schizophrenia. Nideffer RM, et al. J Nerv Ment Dis 152:346-52, May 71
Performance on delayed response tasks by patients with parkinsonism. De Lancy Horne DJ. J Neurol Neurosurg Psychiatry 34:192-4, Apr 71
Plasticity of firing patterns in neurons of Aplysia pleural ganglion. Kristan WB Jr. J Neurophysiol 34:321-36, May 71
Prefrontal cortical unit activity and delayed alternation performance in monkeys. Kubota K, et al. J Neurophysiol 34:337-47, May 71
Response time to a first signal as a function of time relationship to a second signal and mode of presentation. Burns MM, et al. Percept Mot Skills 32:811-6, Jun 71
Variability in reaction times of normal and educable mentally retarded children. Caffrey B, et al. Percept Mot Skills 32:255-8, Feb 71
Simple reaction time in "brain-damaged" and normal children under regular and irregular preparatory interval conditions. Czudner G, et al. Percept Mot Skills 31:767-73, Dec 70
Reaction time and normetanephrine-metanephrine excretion under intense stimulation in chronic schizophrenics, non-psychotics, and normals. Duke MP. Percept Mot Skills 32:579-86, Apr 71
Monitoring performance on visual and auditory displays. Jones TN, et al. Percept Mot Skills 30:235-8, Feb 70
Simple reaction time for good and poor readers in grades two and six. Katz L, et al. Percept Mot Skills 32:270, Feb 71
Device for measuring voluntary response time to peripherally placed stimuli. Kobrick JL, et al. Percept Mot Skills 30:255-8, Feb 70
Note on Thysell's "Reaction Time of Single Motor Units". Lieblich I. Percept Mot Skills 30:152, Feb 70
Reaction time and temperament type. Schueneman AL, et al. Percept Mot Skills 30:162, Feb 70
Reaction time, agility, equilibrium, and kinesio-perceptual matching as predictors of intelligence. Sommers PA, et al. Percept Mot Skills 31:460-2, Oct 70
Analysis of task difficulty under varying conditions of induced stress. Thornton JW, et al. Percept Mot Skills 31:343-8, Oct 70
Reply to Lieblich's note. Thysell RV. Percept Mot Skills 30:153-4, Feb 70
Individual differences in figural aftereffects. Over R. Psychol Bull 74:405-10, Dec 70
Excitability cycles in central intermittency. Pöppel E. Psychol Forsch 34:1-9, 1970
Physiological and behavioral indicants of activation. Eason RG, et al. Psychophysiology 7:223-32, Sep 70
Effects of attention and activation on the visual evoked cortical potential and reaction time. Groves PM, et al. Psychophysiology 5:394-8, Jan 69
The neonatal evoked heart rate response and the law of initial value. Hutt C, et al. Psychophysiology 6:661-8, May 70
Some parameters of heart rate change: perceptual versus motor task requirements, noxiousness, and uncertainty. Jennings JR, et al. Psychophysiology 7:194-212, Sep 70
Cortical slow potential changes in man related to interstimulus intevval and to pre-trial prediction of interstimulus interval. McAdam DW, et al. Psychophysiology 5:349-58, Jan 69
Instrumental modification of the GSR. Martin RB, et al. Psychophysiology 7:178-85, Sep 70
The effect of exogenous changes in heart rate and rhythm upon reaction time performance. Nowlin JB, et al. Psychophysiology 7:186-93, Sep 70
Cardiac deceleration and reaction time: an evaluation of two hypotheses. Obrist PA, et al. Psychophysiology 6:695-706, May 70
The relationship between stimulus information, reaction time, and cortical habituation. Orr WC, et al. Psychophysiology 7:475-84, Nov 70
Stimulation in different phases of the cardiac cycle and reaction time. Thompson LW, et al. Psychophysiology 7:57-65, Jul 70
An instrument for predicting the occurrence of the P-R interval of the normal human electrocardiogram. Thorne PR, et al. Psychophysiology 7:138-42, Jul 70
Heart rate, skin resistance, and reaction time of mongoloid and normal children under baseline and distraction conditions. Wallace RM, et al. Psychophysiology 6:722-31, May 70
Forgetting of an operant response: physostigmine-produced increases in escape latency in rats as a function of time of injection. Biederman GB. Q J Exp Psychol 22:384-8, Aug 70
Reaction times and response competition between the right and left hands. Dimond S. Q J Exp Psychol 22:513-20, Aug 70
Hemispheric refractoriness and control of reaction time. Dimond SJ. Q J Exp Psychol 22:610-7, Nov 70
Blood alcohol concentration and reaction time. Young JR. Q J Stud Alcohol 31:823-31, Dec 70
Refractoriness of a long movement. Williams LR. Res Q Am Assoc Health Phys Educ 42:212-9, May 71
Taste stimuli: quality coding time. Halpern BP, et al. Science 171:1256-8, 26 Mar 71
The psychophysical structure of temporal information. Meredith P. Stud Gen (Berl) 24:70-84, 1971
[Comparative study of 3 parameters of the response in the generalization of inhibition] Baumstimler Y, et al. Annee Psychol 71:73-85, 1971 (Fre)
[Temporal conditioning of the alpha rhythm and time estimation] Fraisse P, et al. Annee Psychol 69:7-15, 1969 (Fre)
[Circadian variations in the reaction time and spontaneous tempo during an "out of time" experiment] Oléron G, et al. Annee Psychol 70:347-56, 1970 (Fre)
[Reaction times to brief duration sounds partially masked homolaterally] Chocholle R, et al. J Physiol (Paris) 63:26A, Mar-Apr 71 (Fre)
[Influence of a presignal on the reaction time] Rougier G, et al. J Physiol (Paris) 63:91A, Mar-Apr 71 (Fre)
[Audiovisual reaction times and oto-neurologic evaluation. Apropos of 920 cases] Hadj-Djilani AM. Rev Otoneuroophtalmol 42:459-64, Nov 70 (Fre)
[Evolution of motor reaction time with respect to the intensity of energy expenditures during work in a cold microclimate] Rotaru C, et al. Rev Roum Physiol 6:317-23, 1969 (Fre)
[Minute-periodicity of sensorimotor reaction time in men and animals] Sinz R, et al. Acta Biol Med Ger 24:917-20, 1970 (Ger)
[Alertness and vegetative change in menstruation rhythm. Cyclic variations in reaction time] Hildebrandt G, et al. Int Z Angew Physiol 27:286-92, 23 Oct 69 (Ger)
[Comparison of timing methods in sprinting] Singer R, et al. Int Z Angew Physiol 29:224-33, 1971 (Ger)
[Periodic oscillations of reaction time in man] Stebel J, et al. Naturwissenschaften 57:501, Oct 70 (Ger)
[Delayed auditory feedback effect and tendency of interference: testing a hypothesis] Bäumler G. Z Exp Angew Psychol 17:357-70, 1970 (Ger)
[Reaction behavior and driving fitness. Review] Kunkel E. Z Exp Angew Psychol 17:488-536, 1970 (Ger)
[Circadian changes in choice reaction time] Pöppel E, et al. Z Exp Angew Psychol 17:537-99, 1970 (Ger)
[The hereditary component in reaction times] Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:289-90, Jan-Apr 70 (Ita)
[Apparatus for measuring the difference of retinal latency in the two eyes during the Pulfrich effect. Pulfrich effect] Daniele Sargentini A, et al. Boll Ocul 48:859-66, Nov 69 (Ita)
[Experimental study on tolerance to accelerations and on the psychomotor behavior of humans during alert flying conditions. 2. Resistance to accelerations and the psychomotor behavior of humans at high temperatures, with and without a previous sitting position] Rota P. Minerva Med 61:4242-5, 26 Sep 70 (Ita)
[Experimental study on tolerance to accelerations and on the psychomotor behavior of humans during alert flying conditions. 1. Changes in the acceleration resistance and in psychomotor behavior of humans after remaining in a sitting position for a limited period of time] Rota P. Minerva Med 61:4237-41, 26 Sep 70 (Ita)
[Experimental study of tolerance to accelerations and of psychomotor behavior of man during flight under alarm conditions. II. Resistance to accelerations and psychomotor behavior of man during exposure to high temperature and without a preceding period of clinostatic position] Rota P. Riv Med Aeronaut Spaz 33:117-25, Jan-Mar 70 (Ita)
[Experimental study of tolerance to accelerations and of the psychomotor behavior of man during flight under alarm conditions. I. Changes of resistance to accelerations and of psychomotor behavior in man after remaining in a clinostatic position for a limited period of time] Rota P. Riv Med Aeronaut Spaz 33:107-16, Jan-Mar 70 (Ita)
[Reaction time and scholastic progress among lower-grade pupils in primary schools] Zdunkiewicz L, et al. Rocz Panstw Zaki Hig 22:217-30, 1971 (Pol)
[Unstationary velocity of impulse propagation, latent

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

periods and their connection with heart fibrillation] Krinskif VI. Biofizika 16:87-94, Jan-Feb 71 (Rus)
[Mechanism of latent delay in the myocardium of frog ventricle] Kukushkin NI, et al. Biofizika 16:135-41, Jan-Feb 71 (Rus)
[Model of an excitable medium, taking into consideration the relation of action potential duration and latent period response to the excitation frequency] Kukushkin NI. Biofizika 16:677-83, Jul-Aug 71 (Rus)
[Variations in the relation between the duration of action potentials and the recovery time during prolonged myocardium stimulation] Babskif EB, et al. Dokl Akad Nauk SSSR 190:987-90, Feb 70 (Rus)
[Measurement of the reaction time to the appearance and disappearance of short sensory (acoustic) stimuli with the object of measuring the duration of sensation] Gol'dburt SN, et al. Dokl Akad Nauk SSSR 198:1235-8, 1971 (Rus)
[Human reaction time to the beginning and end of a short sound of different strength and duration and during additional electric stimulation of the skin] Makarov PO. Fiziol Zh SSSR 56:1714-20, Dec 70 (Rus)
[Functional characteristics of preschool children with poor hearing and the effect of physical training on their development] Belostotskaia EM, et al. Gig Sanit 35:24-8, Sep 70 (Rus)
[The importance of the probability of stimuli in the formation of a motor stereotype] Osipova OV. Nerv Sist 9:114-9, 1968 (Rus)
[Effect of roentgen irradiation of the head on delayed reactions in puppies] Partskhaladze NN. Radiobiologiia 11:151-3, Jan-Feb 71 (Rus)
[Psychophysiological characteristics of the pilot's perception of instrumental data after turning attention to reference points outside the cabin] Davydov VV. Voen Med Zh 11:50-3, Nov 70 (Rus)
[Study of the speed and accuracy of movement] Frantsen BS. Voen Med Zh 8:68-70, Aug 70 (Rus)
[Physiological basis for a regime for children in the 3d year of life] Krylova EG. Vopr Okhr Materin Det 15:40-4, Oct 70 (Rus)
[The influence of motivation on the average level of asymmetry in the duration of the phases of the spontaneous EEG] Genkin AA, et al. Zh Vyssh Nerv Deiat 21:576-84, 1971 (Rus)
[Measurement of the recognition time for verbal stimuli using the reverse masking method] Kostandov EA, et al. Zh Vyssh Nerv Deiat 20:1010-5, Sep-Oct 70 (Rus)
[Rate of optic information processing by means of tables in production environment)] Navakatikian AO, et al. Fiziol Zh 16:697-701, Sep-Oct 70 (Ukr)
[Peculiarities of non-specific responses of the brain in epileptic patients with signs of lesions of the hemisphere] Petrishchenko NV. Fiziol Zh 15:657-61, Sep-Oct 69 (Ukr)
[Differentiation of complex conditioned stimulators in patients with mental disorders] Vashetko VM. Fiziol Zh 16:410-3, May-Jun 70 (Ukr)
[Variations in reaction time in response to light stimuli and of spontaneous motor activity in university students during morning classes] Kukura J, et al. Bratisl Lek Listy 54:583-9, Nov 70 (Slo)

DRUG EFFECTS

Methylphenidate and thioridazine: learning, reaction time, activity, and classroom behavior in disturbed children. Sprague RL, et al. Am J Orthopsychiatry 40:615-28, Jul 70
Differential effects of amphetamine and scopolamine on matching performance of monkeys with lateral frontal lesions. Glock SD, et al. J Comp Physiol Psychol 73:307-13, Nov 70
The relationship of amphetamine-induced anorexia and freezing under a multiple CRF-EXT operant schedule. Cole SO. J Gen Psychol 83:163-8, Oct 70
Alcohol dose effects on feedback-maintained simple reaction time. Sutton D, et al. J Psychol 78:151-9, Jul 71
Attenuation of stimulus sensitivity induced by scopolamine. Warburton DM, et al. Nature (Lond) 230:126-7, 12 Mar 71
Reaction time in psychiatric patients: pilot study. Savage PP, et al. NZ Med J 73:285-8, May 71
The effects of nitrous oxide on the auditory evoked response in a reaction time task. Jarvis MJ, et al. Psychopharmacologia 20:201-12, 1971
Effects of lysergic acid diethylamide (LSD25) on short-term memory in cat. Sterescu-Volanschi M, et al. Rev Roum Physiol 7:225-34, 1970
[Changes in the reaction time of rats following application of vasopressin, oxytocin and Na-thioglycolate] Schwarzberg H, et al. Acta Biol Med Ger 24:507-16, 1970 (Ger)
[Behavior of reaction times under the effect of ovosiston] Seewald HJ, et al. Zentralbl Gynaekol 92:708-11, 30 May 70 (Ger)
[The effect of central cholinolytics on the latent period of the flexor reflex and cortical motor response in rabbits] Pogodin MA. Biull Eksp Biol Med 65:63-5, Apr 68 (Rus)

REACTIVE INHIBITION see under INHIBITION (PSYCHOLOGY) (F1, F2)

REACTIVE SITE see BINDING SITES (G1)

READING (L)

see also related ALEXIA (C10, F2)

Effects on tachistoscopic perception from independent variation of word probability and of letter probability. Broadbent DE, et al. Acta Psychol (Amst) 35:1-14, Jan 71
Reading achievement in deaf adults. Hammermeister FK. Am Ann Deaf 116:25-8, Feb 71
Contextual constraint on deaf and hearing children. Investigating the effect at fourth grade reading level using the Cloze procedure. Marshall WA. Am Ann Deaf 115:682-9, Nov 70
Monocular-binocular coordination vs. hand-eye dominance as a factor in reading performance. Brod N, et al. Am J Optom 48:123-9, Feb 71
Primary reading epilepsy: a misnomer. Brooks JE, et al. Arch Neurol 25:97-104, Aug 71
The use of operant procedures to reduce rates of reading and speaking. Bradford LJ. ASHA Monogr 14:19-23, Jan 70
The effect of vocalizing on comprehension in the profoundly deaf. Conrad R. Br J Psychol 62:147-50, May 71
The relationship betweenuditory and visual short-term memory and reading achievement. Dornbush RL, et al. Child Dev 41:1033-44, Dec 70
Helping the youngster with a reading disorder. Exploring one problem common to education, psychology, and mental health: summary of a conference. Clin Pediatr (Phila) 10:13A-14A, Apr 71
Pattern activation in reading epilepsy. A case report. Mayersdorf A, et al. Epilepsia 11:423-6, Dec 70
Predicting reading failure: beyond the readiness model. Adelman HS, et al. Except Child 37:349-54, Jan 71
A review of research: reading and the educable mentally handicapped. Cegelka PA, et al. Except Child 37:187-200, Nov 70
Visual perceptual skill, reading ability, and the young deaf child. Hartung JE. Except Child 36:603-8, Apr 70
Children with learning problems: academic history, academic prediction, and adjustment three years after assessment. Hinton GG, et al. Except Child 37:513-9, Mar 71
Evaluation and a method of presentation of the sound output from the lexiphone--a reading machine for the blind. Beddoes MP, et al. IEEE Trans Biomed Eng 18:85-91, Mar 71
Electrocutaneous stimulation in a reading aid for the blind. Melen RD, et al. IEEE Trans Biomed Eng 18:1-3, Jan 71
The comparison of three suggestion techniques for increasing reading efficiency utilizing a counterbalanced research paradigm. Donk LJ, et al. Int J Clin Exp Hypn 18:126-33, Apr 70
Pupil dilation and its relationship to information processing during reading and listening. Carver RP. J Appl Psychol 55:126-34, Apr 71
The Bender Gestalt test as an ineffective predictor of reading achievement. Giebink JW, et al. J Clin Psychol 26:484-5, Oct 70
Children's comprehension of between- and within-sentence syntactic structures. Bormuth JR, et al. J Educ Psychol 61:349-57, Oct 70
The difference model: a new explanation for some reading difficulties. Cromer W. J Educ Psychol 61:471-83, Dec 70
Effects of different kinds of visual-motor discrimination training on learning to read words. Jensen NJ, et al. J Educ Psychol 61:90-6, Apr 70
Identification, organization, and reading comprehension for good and poor readers. Oakan R, et al. J Educ Psychol 62:71-8, Feb 71
Relations between perceptual and syntactic control in oral reading. Resnick LB. J Educ Psychol 61:382-5, Oct 70
Development of bisensory memory in culturally deprived, dyslexic, and normal readers. Senf GM, et al. J Educ Psychol 61:461-70, Dec 70
Sentence structure and retention in good and poor readers. Weinstein R, et al. J Educ Psychol 62:25-30, Feb 71
Effect of incentives upon retarded and normal readers on a visual-associated learning task. Goyen JD, et al. J Exp Child Psychol 11:274-80, Apr 71
Irrelevant item variety and visual search. Gordon IE, et al. J Exp Psychol 88:295-6, May 71
Is reading epilepsy inherited? Rowan AJ, et al. J Neurol Neurosurg Psychiatry 33:476-8, Aug 70
Feasibility of Cloze techniques for teaching and evaluating culturally disadvantaged beginning readers. Kingston AJ, et al. J Soc Psychol 82:205-14, Dec 70
Relationship between reading and selected auditory abilities of third-grade children. Flynn PT, et al. J Speech Hear Res 13:731-40, Dec 70
The significance of intra- and intersentence pause times in perceptual judgments of oral reading rate. Lass NJ. J Speech Hear Res 13:777-84, Dec 70
Reading and auditory-visual equivalences. Sidman M. J Speech Hear Res 14:5-13, Mar 71
Distribution of instances of disfluency in consecutive readings of different passages by nonstutterers. Silverman FH. J Speech Hear Res 13:874-82, Dec 70
The effect of rhythmic auditory stimulation on the disfluency of nonstutterers. Silverman FH. J Speech Hear Res 14:350-5, Jun 71
Delayed speech feedback and age. Smith KU, et al. J Speech Hear Res 14:214-9, Mar 71
Right and left handed reading of Braille. Hermelin B, et al. Nature (Lond) 231:470, 18 Jun 71
Investigation into the reading habits of qualified nurses. Fisher RF, et al. Nurs Times 67:245-7, 25 Feb 71
Binaural stimulation of aphasic patients. Effects on oral reading. Mann MB, et al. NY State J Med 70:2815-7, 15 Nov 70
Perceptual learning disabilities in blind children. Brodlie JF, et al. Percept Mot Skills 32:313-4, Feb 71
Children's perception of differently oriented shapes: word recognition. Deich RF. Percept Mot Skills 32:695-700, Jun 71
Reading time and error rates for normal and retarded readers. Deich RF. Percept Mot Skills 32:689-90, Jun 71
Simple reaction time for good and poor readers in grades two and six. Katz L, et al. Percept Mot Skills 32:270, Feb 71
Phonemic processing in silent reading. Locke JL. Percept Mot Skills 32:905-6, Jun 71
Note on the validity of the claim that final closure is related to reading achievement. Rusch RR. Percept Mot Skills 32:394, Apr 71
Beginning reading discrimination taught at IQ 35 by conditioning. Rydberg S. Percept Mot Skills 32:163-6, Feb 71
Preferred sensory modality, reading readiness, and reading achievement in first-grade children. Smith IL, et al. Percept Mot Skills 32:764-6, Jun 71
Sex as a factor influencing sensitivity to delayed auditory feedback. Timmons BA. Percept Mot Skills 32:824-6, Jun 71
Laterality, mirror-writing and mirror-reading. Weigel RG. Percept Mot Skills 32:969-70, Jun 71
Directionality in four Bender-Gestalt figures. II. Weiss AA. Percept Mot Skills 32:412-4, Apr 71
An aspect of perceptual organization involved in reading typed and handwritten words. Corcoran DW, et al. Q J Exp Psychol 22:526-30, Aug 70
A perceptual-motor development program's effect on visual perception and reading readiness of first-grade children. Lipton ED. Res Q Am Assoc Health Phys Educ 41:402-5, Oct 70
American children with reading problems can easily learn to read English represented by Chinese characters. Rozin P, et al. Science 171:1264-7, 26 Mar 71
Reading epilepsy: case report and review of the literature. Lemmi H, et al. South Med J 63:1431-5, Dec 70
Reading. Heath GB. Vet Rec 88:377-80, 10 Apr 71
Visual recognition of isolated lower-case letters. Bouma H. Vision Res 11:459-74, May 71
[Comparison between the Borel-Maisonny test and the Inizan predictive battery of reading (study on 16 cases)] Buffet L. Rev Laryngol Otol Rhinol (Bord) 91:660-74, Sep-Oct 70 (Fre)
[Effect on elementary school pupils in the early grades of complex use of technical materials and programming elements] Samotolkina NG. Gig Sanit 35:28-31, Mar 70 (Rus)
[Method for recording of micropauses in reading and possibility of its utilization] Kukura J, et al. Bratisl Lek Listy 55:39-46, 1971 (Slo)

READING DISABILITY see DYSLEXIA (F2)

REAGENTS see under INDICATORS AND REAGENTS (D13)

RECALL see under MEMORY (F1)

RECEPTORS, DRUG (G1)

Androgenic receptors in human benign nodular hyperplasia. Hansson V, et al. Acta Endocrinol [Suppl] (Kbh) 155:148, 1971
Evaluation of tissue steroid binding in vitro. Wira CR, et al. Acta Endocrinol [Suppl] (Kbh) 153:223-46, 1971
The role of hypothalamic estradiol receptor in the action of clomiphene. Kato J. Acta Obstet Gynaecol Jap 18:29-35, Jan 71
Insulin-receptor interaction in isolated fat cells. Crofford OB, et al. Adv Enzyme Regul 8:219-38, 1970 (67 ref.)
A noncholinergic excitatory nerve pathway in guinea pig colon. Bennett A, et al. Am J Dig Dis 16:550-1, Jun 71
In vitro pharmacologic and histopathologic studies on

the human cardiac sphincteric muscle from achalasic and control patients. Waller SL, et al. Am J Dig Dis 16:566-8, Jun 71

Adrenergic mechanisms in canine mesenteric circulation. Swan KG, et al. Am J Physiol 220:1779-85, Jun 71

The isolation of bound aldosterone from the nuclei of human, toad and rat colon. Alberti KG, et al. Ann Endocrinol (Paris) 31:Suppl 4:777+, 1970

The enhanced myocardial contractility of thyrotoxicosis. Role of the beta adrenergic receptor. Grossman W, et al. Ann Intern Med 74:869-74, Jun 71

A pharmacologic evaluation of the adrenergic receptors of the rabbit detrusor muscle. Anderson GF, et al. Arch Int Pharmacodyn Ther 191:220-30, Jun 71

Adrenergic beta receptors in vas deferens. Ganguly DK, et al. Arch Int Pharmacodyn Ther 185:406-12, Jun 70

The adrenergic receptors of the coronary circulation in the isolated dog heart. Kabela E, et al. Arch Int Pharmacodyn Ther 181:328-42, Oct 69

Specific blockade of cardiac muscarinic receptors by pancuronium bromide. Saxena PR, et al. Arch Int Pharmacodyn Ther 189:410-2, Feb 71

Muscarinic receptor sites in parasympathetic ganglia of the urinary bladder of the dog. Saxena PR. Arch Int Pharmacodyn Ther 189:413-4, Feb 71

Circulating beta adrenergic stimulator during elevated cerebrospinal fluid pressure. Brashear RE, et al. Arch Intern Med 127:748-53, Apr 71

Changes in the concentration of high-affinity oestradiol receptor in rat uterine supernatant preparations during the oestrous cycle, pseudopregnancy, pregnancy, maturation and after ovariectomy. Feherty P, et al. Biochem J 120:837-44, Dec 70

Physical studies of the interactions of acetylcholine chloride with membrane constituents. Hauser H, et al. Biochem J 120:329-35, Nov 70

Determination of high-affinity oestrogen receptor sites in uterine supernatant preparations. Méster J, et al. Biochem J 120:831-6, Dec 70

Hormone-receptor interaction as a guide to biochemical mechanism. Jensen EV, et al. Biochem Soc Symp 32:133-59, 1971 (98 ref.)

Estrogen action: a study of the influence of steroid hormones on genetic expression. Mueller GC. Biochem Soc Symp 32:1-29, 1971 (67 ref.)

Control of estrogen binding protein concentration under basal conditions and after estrogen administration. Sarff M, et al. Biochemistry 10:2557-63, 22 Jun 71

An estrophilic macromolecule in chicken liver cytosol. Arias F, et al. Biochim Biophys Acta 230:550-9, 1971

The determination of the dissociation velocity constants of rabbit uterine cytosol receptor-oestrogen complexes. Meŝter J, et al. Biochim Biophys Acta 230:543-9, 1971

Acetylcholinesterase and acetylcholine proteolipid receptor: two different components of electroplax membranes. Robertis E de, et al. Biochim Biophys Acta 219:388-97, 1 Dec 70

The heterogeneity of soluble estrogen receptors from rat uteri and their modification by temperature, imidazole compounds and estradiol. Vonderhaar BK, et al. Biochim Biophys Acta 208:517-27, Jun 70

On the "native state" of the uterine estradiol "receptor". Reti I, et al. Biochimie 53:435-7, 1971

Investigation of central cholinergic mechanisms in the conscious mouse. Ankier SI, et al. Br J Pharmacol 42:127-36, May 71

Uptake of nicotine and extracellular space markers by isolated rat ganglia in relation to receptor activation. Brown DA, et al. Br J Pharmacol 42:100-13, May 71

The use of neuromuscular blocking agents to investigate receptor structure requirements for histamine release. Buckett WR, et al. Br J Pharmacol 40:165P+, Sep 70

The effect of isoprenaline on adrenoceptors in human saphenous vein. Coupar IM. Br J Pharmacol 39:465-75, Jul 70

Diffusion of drugs through stationary water layers as the rate limiting process in their action at membrane receptors. Cuthbert AW, et al. Br J Pharmacol 40:508-21, Nov 70

Further studies on the effect of ageing on beta-adrenoceptor activity of rat aorta. Fleisch JH. Br J Pharmacol 42:311-3, Jun 71

In pursuit of the alpha-adrenoceptor: a fine-structural and electron autoradiographic study using 3H-phenoxybenzamine and smooth muscle from the cat and guinea-pig. Graham JD, et al. Br J Pharmacol 41:278-84, Feb 71

Adrenoceptors in the human foetal small intestine. Hart SL, et al. Br J Pharmacol 41:567-9, Mar 71

Acetylcholine receptors of invertebrate neurones. Kerkut GA, et al. Br J Pharmacol 40:586P+, Nov 70

Adrenoceptors in the cat choledochoduodenal junction studied in situ. Liedberg G, et al. Br J Pharmacol 39:619-26, Jul 70

Possible existence of different types of angiotensin II receptors. Meyer P, et al. Br J Pharmacol 40:541P+, Nov 70

Adrenoceptor functions in the cat choledochoduodenal junction in vitro. Persson CG. Br J Pharmacol 42:447-61, Jul 71

Pyrrolizidine alkaloids: actions on muscarinic receptors in the guinea-pig ileum. Pomeroy AR, et al. Br J Pharmacol 41:683-90, Apr 71

Studies on the receptors involved in the action of the various agents in the phenylbenzoquinone analgesic assay in mice. Smits SE, et al. Br J Pharmacol 39:639-46, Jul 70

Drug receptor sites in the rabbit saphenous nerve. Watson PJ. Br J Pharmacol 40:102-12, Sep 70

Acetylcholine and the synaptic transmission of non-specific impulses to the visual cortex. Spehlmann R. Brain 94:139-50, 1971

Acetylcholine and the synaptic transmission of specific impulses to the visual cortex. Spehlmann R, et al. Brain 94:125-38, 1971

Effect of gallamine on cholinergic receptors. Rathbun FJ, et al. Can Anaesth Soc J 17:574-90, Nov 70

Molecular arrangement for physiological action of glutamic acid and gamma-aminobutyric acid. Van Gelder NM. Can J Physiol Pharmacol 49:513-9, Jun 71

Rational drug design: mirage or miracle? Belleau B. Can Med Assoc J 103:850-3, 17 Oct 70

Adrenergic neurohumoral influences on circulation and lipolysis in canine omental adipose tissue. Ballard K, et al. Circ Res 28:389-96, Apr 71

The effects of hypoxia on myocardial blood flow and oxygen consumption: negative role of beta adrenoreceptors. Vance JP, et al. Clin Sci 41:257-73, Sep 71

Uterine estrogen receptor in rats during pubescence and the estrous cycle. Lee C, et al. Endocrinology 88:596-601, Mar 71

In vitro evidence for a progestogen receptor in the rat and rabbit uterus. McGuire JL, et al. Endocrinology 88:1099-103, Apr 71

Hypothalamic and hypophyseal estradiol-binding complexes. Mowles TF, et al. Endocrinology 89:484-91, Aug 71

The binding affinity and specificity of the estrogen receptor of the rat uterus and anterior pituitary. Notides AC. Endocrinology 87:987-92, Nov 70

An estrogen receptor in the corpora lutea of the pseudopregnant rabbit. Scott RS, et al. Endocrinology 89:297-301, Jul 71

Drug receptor sites in the isolated superior cervical ganglion of the rat. Watson PJ. Eur J Pharmacol 12:183-93, Oct 70

Analysis of the actions of alprenolol and propranolol on the beta adrenergic receptors controlling heart rate in the anaesthetized cat. Ablad B, et al. Eur J Immunol 14:319-32, May 71

Adrenergic innervation and receptors in the sphincter of Oddi. Mori J, et al. Eur J Immunol 14:365-73, May 71

Sulfhydryl group reagents: effect on intestinal smooth muscle. Stubbins JF, et al. Experientia 27:669-70, Jun 71

A theory of neurotropic drug action. Galzigna L. Farmaco [Sci] 26:97-104, Jan 71

Approach to a chemical interpretation of the activation mechanism of adrenergic receptors. Pratesi P, et al. Farmaco [Sci] 26:379-89, May 71

A study in vivo of adrenergic receptors in the rectum and in the internal and sphincter of the cat. Kerremans R, et al. Gut 11:709-14, Aug 70

Demonstration of beta adrenergic receptors in the rabbit oviduct. Martin JE, et al. Gynecol Invest 1:82-91, 1970

NMR studies on drug-receptor interactions. The binding of atropine and eserine to acetylcholinesterase. Kato G. Int Z Klin Pharmakol Ther Toxikol 5:12-9, Aug 71

Beta-mediated vasoconstrictor and vasodilator responses in the canine mesenteric and hepatic circulation. Kelso AF, et al. J Am Osteopath Assoc 70:1089-91, Jun 71

A soluble receptor for estradiol in rat anterior hypophysis. Kato J, et al. J Biochem (Tokyo) 68:759-61, Nov 70

Alpha- and beta-adrenergic receptors as mediators of accumulation of cyclic adenosine 3',5'-monophosphate in specific areas of guinea pig brain. Chasin M, et al. J Biol Chem 246:3037-41, 10 May 71

Diazoxide effects on biphasic insulin release: "adrenergic" suppression and enhancement in the perifused rat pancreas. Burr IM, et al. J Clin Invest 50:1444-50, Jul 71

Identification of four types of steroid by their interaction with mineralocorticoid receptors in the toad bladder. Alberti KG, et al. J Endocrinol 48:563-74, Dec 70

Oestrogen receptors in human uterine tissue. Evans LH, et al. J Endocrinol 50:209-29, Jun 71

Tissue binding of steroids and respiration studies on toad bladder and eel gills. Snart RS, et al. J Endocrinol 48:xiv-xv, Sep 70

A population of lymphocytes bearing a membrane receptor for antigen-antibody-complement complexes. I. Separation and characterization. Bianco C, et al. J Exp Med 132:702-20, 1 Oct 70

A receptor for Proteus morganii bacteriocin 336. Smit JA, et al. J Gen Microbiol 65:249-51, Feb 71

Desensitization of gamma aminobutyric acid (GABA) receptors in muscle fibers of the crab Cancer borealis. Epstein R, et al. J Gen Physiol 56:33-45, Jul 70

Potential nonequilibrium analgetic receptor inactivators. Synthesis and biological activities of N-acylanileridines. Portoghese PS, et al. J Med Chem 14:144-8, Feb 71

Lack of correlation between the zinc-iodide-osmium positivity of cholinergic terminals and the cholinergic transmission in the sympathetic ganglia of the cat. Párducz A, et al. J Neurochem 18:97-100, Jan 71

Mediation by -adrenergic receptors of effect of norepinephrine on pineal synthesis of (14 C)serotonin and (14 C)melatonin. Wurtman RJ, et al. J Neurochem 18:1683-7, Sep 71

Analysis of parallel excitatory and inhibitory synaptic channels. Bennett MV. J Neurophysiol 34:89-75, Jan 71

Conversion of synaptic excitation to inhibition at a dual chemical synapse. Wachtel H, et al. J Neurophysiol 34:56-68, Jan 71

A comparison of the stereochemical requirements of cholinergic and anticholinergic drugs. Brimblecombe RW, et al. J Pharm Pharmacol 22:951-3, Dec 70

Acetylcholine and "auto-inhibition". Burn JH. J Pharm Pharmacol 23:470-1, Jun 71

A comparison of adrenergic alpha-receptors by the use of NN-dimethyl-2-bromo-2-phenylethylamine (DMPEA). Janis RA, et al. J Pharm Pharmacol 23:707-8, Sep 71

Adenyl cyclase in human leukocytes: evidence for activation by separate beta adrenergic and prostaglandin receptors. Bourne HR, et al. J Pharmacol Exp Ther 178:1-7, Jul 71

Autonomic receptor mechanisms in embryonic chick myocardial cell cultures. Ertel RJ, et al. J Pharmacol Exp Ther 178:73-80, Jul 71

Unique beta adrenergic stimulation and blockade by quinterenol. Iorio LC, et al. J Pharmacol Exp Ther 178:509-16, Sep 71

Effect of 4-(2-hydroxy-3-isopropylaminopropoxy) acetanilide (AY 21,011) on the myocardial and coronary vascular responses to adrenergic stimulation. Lucchesi BR, et al. J Pharmacol Exp Ther 176:200-11, Jan 71

Pharmacological estimation of drug-receptor dissociation constants. Statistical evaluation. I. Agonists. Parker RB, et al. J Pharmacol Exp Ther 177:1-12, Apr 71

Graphical and weighted regression analyses for the determination of agonist dissociation constants. Thron CD. J Pharmacol Exp Ther 175:541-53, Nov 70

Pharmacological estimation of drug-receptor dissociation constants. Statistical evaluation. II. Competitive antagonists. Waud DR, et al. J Pharmacol Exp Ther 177:13-24, Apr 71

Evidence suggesting uptake of noradrenaline at adrenergic receptors in the isolated blood-perfused cat spleen. Cripps H, et al. J Physiol (Lond) 216:55P-56P, Jul 71

The binding of tetrodotoxin to nerve membranes. Keynes RD, et al. J Physiol (Lond) 213:235-54, Feb 71

Tuberculin receptor site on sensitized human lymphocytes: a reply to Dr Fang's criticism. Coulson AS, et al. J Theor Biol 31:555-6, Jun 71

Analysis of the adrenergic receptors in the urinary tract of dog. Dhasmana KM, et al. Jap J Pharmacol 20:461-6, Dec 70

[Studies on the alpha-receptor of vas deferens. Kubota K, et al. Jap J Smooth Muscle Res 6:188-96, Sep 70

The pharmacological specificity of muscarinic receptors in the posterior hypothalamus of the rat. Brezenoff HE, et al. Life Sci [I] 9:99-109, 15 Jan 70

Influence of adrenergic receptor stimulation on glucose metabolism during starvation in man: effects on circulating levels of insulin growth hormone and free fatty acids. Misbin RI, et al. Metabolism 20:544-54, Jun 71

Theoretical considerations of alpha and beta adrenergic activity. George JM, et al. Mol Pharmacol 7:328-36, May 71

Studies on the estrogen-receptors in human breast cancer. Kobayashi S. Nagoya Med J 16:165-76, Feb 71

Bicuculline and central GABA receptors. Curtis DR, et al. Nature (Lond) 228:676-7, 14 Nov 70

Isolation of the cholinergic receptor protein of Torpedo electric tissue. Miledi R, et al. Nature (Lond) 229:554-7, 19 Feb 71

Interaction of atropine with the muscarinic receptor. Pauling PJ, et al. Nature (Lond) 228:673-4, 14 Nov 70

Drug receptors and their function. Rang HP. Nature (Lond) 231:91-6, 14 May 71

Isolation of the cholinergic receptor protein. Nature (Lond) 229:523-4, 19 Feb 71

Effect of the androgen-insensitivity mutation on a cytoplasmic receptor for dihydrotestosterone. Gehring U, et al. Nature [New Biol] 232:106-7, 28 Jul 71

Modern views on pharmacology. I. Receptors. Crossland J. Practitioner 206:154-60, Jan 71

Specific cytoplasmic glucocorticoid hormone receptors in hepatoma tissue culture cells. Baxter JD, et al. Proc Natl Acad Sci USA 68:932-7, May 71

Binding sites for cholinergic ligands in a particulate fraction of Electrophorus electroplax. Eldefrawi ME, et al. Proc Natl Acad Sci USA 68:1047-50, May 71

Photo-affinity labeling of specific

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

acetylcholine-binding sites on membranes. Kiefer H, et al. Proc Natl Acad Sci USA 67:1688-94, Dec 70
The reaction of glucagon with its receptor: evidence for discrete regions of activity and binding in the glucagon molecule. Rodbell M, et al.
Proc Natl Acad Sci USA 68:909-13, May 71
Soluble complexes between steroid hormones and target-tissue receptors bind specifically to target-tissue chromatin. Steggles AW, et al.
Proc Natl Acad Sci USA 68:1479-82, Jul 71
Specificity of macrophage receptors. Gaafar HA, et al.
Proc Soc Exp Biol Med 136:121-3, Jan 71
Receptors: localization and specificity of binding of serotonin in the central nervous system. Alivisatos SG, et al. Science 171:809-12, 26 Feb 71
Glucocorticoid receptors in lymphoma cells in culture: relationship to glucocorticoid killing activity. Baxter JD, et al. Science 171:189-91, 15 Jan 71
Molecular biology of synaptic receptors. De Robertis E. Science 171:963-71, 12 Mar 71
Acetylcholine binding to Torpedo electroplax: relationship to acetylcholine receptors. Eldefrawi ME, et al. Science 173:338-40, 23 Jul 71
Radioreceptor assay of adrenocorticotropic hormone: new approach to assay of polypeptide hormones in plasma. Lefkowitz RJ, et al. Science 170:633-5, 6 Nov 70
Embryonic and neoplastic cell surfaces: availability of receptors for concanavalin A and wheat germ agglutinin. Moscona AA. Science 171:905-7, 5 Mar 71
Estrogenic and anti-estrogenic activity of 4-mercuri-17 alpha-estradiol. Ellis RW, et al.
Steroids 17:331-44, Mar 71
Binding of iodinated erabutoxin b, a sea snake toxin, to the endplates of the mouse diaphragm. Sato S, et al. Toxicon 8:313-4, Nov 70
[Drug metabolism as a factor influencing their level in the effector] Květina J.
Cesk Farm 20:121-7, 1971 (Cze)
[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ.
Pharm Weekbl 105:1393-425, 4 Dec 70 (113 ref.) (Dut)
[Theories on receptors and relations between structure and activity in the province of cholinergic and anticholinergic subsaances] Ariëns EJ.
Actual Pharmacol (Paris) 22:261-92, 1969 (Fre)
[Estimation of the number of bacterial receptors for colicins A, E1, E2, and K] Cavard D, et al.
Ann Inst Pasteur (Paris) 119:420-31, Oct 70 (Fre)
[Digitalis receptors of the cardiac muscle] Godfraind T, et al.
Arch Int Pharmacodyn Ther 190:402-3, Apr 71 (Fre)
[Oestradiol receptors in the calf uterus. Stimulation of RNA biosynthesis in vitro] Arnaud M, et al.
Biochim Biophys Acta 232:117-31, 25 Feb 71 (Fre)
[Estradiol, cyclic AMP and nucleolar RNA polymerase in the heifer uterus] Arnaud M, et al.
C R Acad Sci [D] (Paris) 272:2957-60, 7 Jun 71 (Fre)
[Multiple forms of a uterine cytoplasmic receptor of estradiol. Comparison of the kinetic properties and the equilibrium of the receptor of estradiol under the form "8" and included in some aggregates] Best-Belpomme M, et al.
C R Acad Sci [D] (Paris) 270:2377-9, 11 May 70 (Fre)
[Uterine cytoplasmic receptors of estrogens. Rate of sedimentation determined by analytic ultracentrifugation] Guilleux JC, et al.
C R Acad Sci [D] (Paris) 271:866-8, 7 Sep 70 (Fre)
[Composition of steroids bound to cytoplasmic receptors of the anterior pituitary and hypothalamus after incubation in the presence of testosterone-3H] Jouan P, et al.
C R Acad Sci [D] (Paris) 272:2368-71, 3 May 71 (Fre)
[A research model in some cases of mental deficiency] Lejeune J.
C R Acad Sci [D] (Paris) 271:2068-9, 30 Nov 70 (Fre)
[Intervention of calcium, phospholipids and cholinesterases in cholinergic sensitivity at the neuromuscular junction] Lièvremont M, et al.
C R Acad Sci [D] (Paris) 271:1779-82, 16 Nov 70 (Fre)
[Separation of the receptor protein of acetylcholine and acetylcholinesterase] Meunier JC, et al.
C R Acad Sci [D] (Paris) 272:117-20, 4 Jan 71 (Fre)
[A kinetic model for the interpretation of simple molecular interactions] Vassent G, et al.
C R Acad Sci [D] (Paris) 272:880-3, 8 Feb 71 (Fre)
[A kinetic model for the interpretation of the interactions of a receptor with several "ligands"] Vassent G.
C R Acad Sci [D] (Paris) 273:113-6, 5 Jul 71 (Fre)
[Contribution of crystallography to the study of the interactions between cholinergic agents and their receptors] Dangoumau J, et al.
Therapie 24:479-95, May-Jun 69 (Fre)
[Development of adrenergic reactivity as a function of the state of thyroid impregnation of the organism] Escousse A, et al. Therapie 26:129-40, Jan-Feb 71 (Fre)
["Desensitization" of cholinergic receptors in the retina] Dettmar P.
Acta Biol Med Ger 26:771-7, 1971 (Ger)
[Characterization of cholinergic drugs with regard to their receptor properties] Meyer FP, et al.
Acta Biol Med Ger 26:799-809, 1971 (Ger)
[Localization of cholinergic receptors having thermoregulatory activity in the rat brain] Staib AH, et al. Acta Biol Med Ger 25:605-11, 1970 (Ger)
[Structure and mechanism of action of steroid hormone receptors in hormone dependent organs] Görlich M.
Arch Geschwulstforsch 37:161-70, 1971 (Ger)
[Blood protein binding of the coronary dilator dipyridamol in man] Kübler W.
Arch Kreislaufforsch 64:115-28, Jan-Feb 71 (Ger)
["Affinity labelling" of the cholinergic receptor of the motor end plate with diazoacetylcholine] Waser PG, et al. Experientia 26:1342-3, 15 Dec 70 (Ger)
[Hormone-receptor-relationships: synthesis and characteristics of N-epsilon-dansyllysine 21-adrenocorticotropin-(1-24)-tetrakosipeptide] Schwyzer R, et al.
Helv Chim Acta 54:897-904, 1971 (Ger)
[Determination of the relation between effect and receptor occupation by parasympathomimetics] Ziegler A.
Naunyn Schmiedebergs Arch Pharmakol 266:479, 1970 (Ger)
[Mechanism of action of local anesthetics. 1. Studies on the problem of receptors] Schultz OE, et al.
Pharmazie 25:472-80, Aug 70 (Ger)
[A naturally occurring M-blocker, its relation to narcotics and to peripheral inhibition in arthropods] Jaun H, et al. Z Biol 116:370-82, Jun 70 (Ger)
[Function of beta-receptors in the heart] Morgenstern C, et al. Z Kreislaufforsch 59:1003-16, Nov 70 (Ger)
[Adrenergic receptors: actual knowledge and pharmacologic application in anesthesia] Poliazzon G, et al.
Acta Anaesthesiol (Padova) 20:405-25, Mar-Apr 69 (Ita)
[Methods for the study of the metabolic fate of drugs and their interactions with receptors] Marini-Bettòlo GB. Ann Ist Super Sanita 6:320-32, 1970 (Ita)
[Study of adrenergic receptors of the lower third of the human esophagus and cardia] Siro-Brigiani G, et al.
Boll Soc Ital Biol Sper 47:20-1, 15 Jan 71 (Ita)
[Symposium--pharmacology of the smooth muscle at the cellular level. 5. Drug receptor mechanisms of the taenia coli of guinea pigs] Takagi K, et al.
Folia Pharmacol Jap 66:90-1, 20 Jul 70 (Jap)
[Beta-adrenergic blockade theory--impaired function of the autonomic nerve in asthma] Makino S.
Jap J Allergy 20:93-105, Feb 71 (93 ref.) (Jap)
[Cell membrane as the receptors of hormones and other drugs] Matsui H.
Saishin Igaku 25:2452-60, Dec 70 (63 ref.) (Jap)
[Cell membrane in synaptic transmission, with special reference to acetylcholine receptor] Shinozaki H, et al. Saishin Igaku 25:2461-9, Dec 70 (89 ref.) (Jap)
[Biochemical studies of intracellular receptor groups for androgens] Unhjem O.
Nord Med 84:1465-6, 12 Nov 70 (Nor)
[Nature of penicillin receptor sites and some aspects of metabolism of penicillin resistant forms of bacteria] Torbochkina LI, et al.
Antibiotiki 15:872-6, Oct 70 (Rus)
[The effect of serotonin on the d-receptors of smooth muscles] Abramets II, et al.
Biull Eksp Biol Med 66:62-6, Aug 68 (Rus)
[Adrenergic receptor mechanism of the human uterus] Soto-Baca L. Rev Esp Fisiol 27:1-7, Mar 71 (Spa)

DRUG EFFECTS

Interaction of sympathomimetic amines with alpha-receptors and 5-hydroxytryptamine receptors in rabbit aorta. Innes IR, et al.
Arch Int Pharmacodyn Ther 185:287-97, Jun 70
A nerve-chamber bioassay of some new and clinically used compounds. Paterson JG, et al.
Arch Int Pharmacodyn Ther 185:370-87, Jun 70
Studies on the action of some psychoactive drugs on central noradrenaline neurons after inhibition of dopamine-beta-hydroxylase. Corrodi H, et al.
Brain Res 24:451-70, 18 Dec 70
Cholinergic mechanism determines the occurrence of reward contingent positive variation (RCPV) in cat. Marczynski TJ. Brain Res 28:71-83, 16 Apr 71
Contractile response and amine receptor mechanisms in isolated middle cerebral artery of the cat. Nielsen KC, et al. Brain Res 27:33-42, 19 Mar 71
Quantitative recording of rotational behavior in rats after 6-hydroxy-dopamine lesions of the nigrostriatal dopamine system. Ungerstedt U, et al.
Brain Res 24:485-93, 18 Dec 70
Heterogeneity of drug receptors in different segments of rabbit thoracic aorta. Altura BM, et al.
Eur J Pharmacol 12:44-52, 1 Sep 70
Receptor activity and turnover of dopamine and noradrenaline after neuroleptics. Andén NE, et al.
Eur J Pharmacol 11:303-14, 1970
A pharmacologic analysis of Huntington's chorea. Klawans HL Jr. Eur Neurol 4:148-63, 1970
Neurochemical and structural studies on the mechanism of action of hemicholinium-3 in central cholinergic synapses. Rodríguez de Lores Arn, et al.
J Neurochem 17:221-9, Feb 70
The reversal of phenoxybenzamine-produced alpha-adrenoceptor blockade by the isomers of propranolol and INPEA. Davis WG.
J Pharm Pharmacol 23:332-8, May 71
Inhibition of (+)-amphetamine hyperthermia by blockade of dopamine receptors in rabbits. Hill HF, et al. J Pharm Pharmacol 23:715-7, Sep 71
On the presynaptic acetylcholine receptors in sympathetic ganglia of the frog. Ginsborg BL.
J Physiol (Lond) 216:237-46, Jul 71
A study of the effect of dopamine on adrenergic receptors. Gupta KP, et al.
Jap J Pharmacol 20:332-6, Sep 70
The effects of salbutamol and isoprenaline on beta-receptors in patients with chronic obstructive lung disease. Svedmyr N, et al.
Postgrad Med J 47:Suppl:44-6, Mar 71
A comparison of the effects of noradrenaline, adrenaline and some phenylephrine derivatives on alpha-, beta- and beta- adrenergic receptors. Offermeier J, et al. S Afr Med J 45:265-7, 6 Mar 71
Properties of the estrogen receptor in the soluble fraction of human uterus. Hähnel R.
Steroids 17:105-32, Jan 71
[Urea alteration in the alpha-receptor and the acetylcholine receptor of the vas deferens] Kubota K, et al. Folia Pharmacol Jap 66:643-50, 1970 (Jap)
[Effect of streptomycin on the reaction of acetylcholine with a cholinoreceptor in vitro] Speranskaiă TA, et al.
Antibiotiki 16:262-5, Mar 71 (Rus)
[Effect of central cholinolytics on the relation of the mesencephalic reticular formation with the structures of prosencephalon and diencephalon] Borodkin IuS, et al.
Farmakol Toksikol 34:259-63, May-Jun 71 (Rus)
[Effect of anticholinerase substances on the choline reception in the superior cervical sympathetic ganglion of the cat] Savateev NV, et al.
Farmakol Toksikol 34:140-4, 1971 (Rus)
[Effect of 2-(2,6-dichlorophenylamino)-2-imidazoline hydrochloride on adrenergic receptors] Brugger A, et al. Rev Esp Fisiol 26:131-4, Jun 70 (Spa)

RECEPTORS, NEURAL (A8)

Metabolic effects of prolonged sympathetic nerve stimulation in canine subcutaneous adipose tissue. Fredholm BB, et al.
Acta Physiol Scand 80:567-76, Dec 70
Adrenoceptors of the chick rectum. Bartlet AL, et al.
Br J Pharmacol 39:817-21, Aug 70
The effect of autonomic blocking agents on vasopressin release in vivo induced by osmoreceptor stimulation. Bridges TE, et al. J Endocrinol 48:265-76, Oct 70
Conformationally rigid neurotransmitters. Acetylcholine analogs in the bicyclo(2.2.2)octane system. Nelson WL, et al.
J Med Chem 14:169-71, Feb 71
Observations on muscle pain in man, with particular reference to pain during needle electromyography. Meadows JC.
J Neurol Neurosurg Psychiatry 33:519-23, Aug 70
The rabbit ear as a temperature sensor. Kluger MJ, et al. Life Sci [I] 10:895-9, 1 Aug 71
Localisation of receptors that initiate reflex vascular responses to vasoactive substances. Li DM, et al.
Pfluegers Arch 325:199-219, 1971
On spatial summatin in the tactual sense. A psychophysical and neurophysiological study. Franzén O. Scand J Psychol 10:193-208, 1969
Snake infrared receptors: thermal or photochemical mechanism? Harris JF, et al.
Science 172:1252-3, 18 Jun 71
Hypothalamic osmosensitive single neurons in the waking monkey. Hayward JN, et al.
Trans Am Neurol Assoc 95:97-9, 1970
Ocular pursuit movement as a function of visual and proprioceptive stimulation. Jordan S.
Vision Res 10:775-80, Aug 70
[Experimental study of sympathicomimetic properties of various types of amines and their iodinated derivatives. Application of the achieved data to the study of the structure of adrenergic receptors] Klepping J, et al.
Arch Sci Physiol (Paris) 25:85-131, 1971 (Fre)
[Morphologic studies on receptors of the ligamentum vocale in various mammals and in men] Tillmann B.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:356-9, 1970 (Ger)
[Differentiation of adrenergic receptors and their variable importance in drug therapy] Hapke HJ.
Dtsch Tieraerztl Wochenschr 76:617-21, 15 Nov 69 (12 ref.) (Ger)
[Study of adrenergic receptors of the lower third of the human esophagus and cardia] Siro-Brigiani G, et al.
Boll Soc Ital Biol Sper 47:20-1, 15 Jan 71 (Ita)
[Skin and the nervous system] Ormea F.
G Ital Dermatol 44:373-9, Aug 69 (Ita)
[Laboratory and clinical studies on the otolith organ] Sasaki H. J Otolaryngol Jap 73:1975-83, Dec 70 (Jap)
[Studies on thermo-reception: electrical activities of temperature-sensitive unit in the brainstem] Nakayama T.
J Physiol Soc Jap 33:333-44, 1971 (32 ref.) (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Adrenergic receptors and their blockade] Chlebus H.
Kardiol Pol 14:77-85, 1971 (46 ref.) (Pol)
[The development of afferent innervation of the pelvic plexus] Karev VD.
Arkh Anat Gistol Embriol 59:13-8, 1970 (Rus)
[Pia mater receptors of the human medulla oblongata] Zhitsa VT.
Arkh Anat Gistol Embriol 59:81-5, 1970 (Rus)
[Receptors of the ventricular epicardium] Khaĭsman EB, et al.
Dokl Akad Nauk SSSR 190:959-61, Feb 70 (Rus)
[Mutual arrangement of choline receptors on the membrane of neurons in gastropods and the cholinesterase activity of neurons] Vul'fius EA, et al.
Dokl Akad Nauk SSSR 186:1445-8, 27 Jun 69 (Rus)
[Skin receptor stimulators in using the skin analyzer as a communication channel] Vladimirskiĭ MS.
Nov Med Priborostr 3:140-6, 1969 (Rus)

ANALYSIS

[Biogenic amines in receptor organs of gastropods (Prosobranchia, Opisthobranchia)] Storch V.
Z Zellforsch Mikrosk Anat 115:94-9, 1971 (Ger)

ANATOMY & HISTOLOGY

The adrenergic receptors in the cardiovascular system of the frog. Pradhan S.
Indian J Med Sci 25:170-4, Mar 71
Beta-adrenergic receptors in the hypothalamus for learned and unlearned taste aversions. Margules DL.
J Comp Physiol Psychol 73:13-21, Oct 70
Alpha-adrenergic receptors in hypothalamus for the suppression of feeding behavior by satiety. Margules DL. J Comp Physiol Psychol 73:1-12, Oct 70
Antennal sense organs of the cockroach, Leucophaea maderae. Schafer R. J Morphol 134:91-103, May 71
The receptor community in the finger tip. Quilliam TA, et al. J Physiol (Lond) 216:15P-17P, Jul 71
Functional neuroanatomy for nurses. 5. The fate of sensory impulses. 1. Receptor organs and the reflex arc. Hewitt W. Nurs Times 67:892-5, 22 Jul 71
[Distribution and anatomy of the Golgi-Mazzoni corpuscles in the facial bone periosteum] Aida H. Shikwa Gakuho 71:1112-24, Mar 71 (Jap)

CYTOLOGY

Ultrastructure of the otoliths and otolithic membrane of the macula utriculi in the guinea pig. Marco J, et al.
Acta Otolaryngol (Stockh) 71:1-8, Jan 71
The "receptor surface" of the olfactory organ (epithelium) of man and guinea pig. A descriptive and experimental study. Naessen R.
Acta Otolaryngol (Stockh) 71:335-48, Apr 71
Scanning electron micrographs of some mosquito structures. Townson H, et al.
Trans R Soc Trop Med Hyg 64:478, 1970
The outer plexiform layer and the neural organization of the retina. A circuit anatomy analysis. A new approach to the study of nervous centers applied to the retina. Sjöstrand FS.
UCLA Forum Med Sci 8:63-100, 1969
Fine structure of the dorsal organ of the house fly larva, Musca domestica L. Chu IW, et al.
Z Zellforsch Mikrosk Anat 117:17-34, 1971
A presumed new photoreceptor in Copepod crustaceans. Elofsson R.
Z Zellforsch Mikrosk Anat 109:316-26, 1970
Fine structure of tarsal sensilla in the tick Amblyomma americanum (L.). Foelix RF, et al.
Z Zellforsch Mikrosk Anat 114:22-37, 1971
Vomeronasal receptors in turtles. Graziadei PP, et al.
Z Zellforsch Mikrosk Anat 105:498-514, 1970
Ciliary-structure precursor bodies as stable constituents in the sensory cells of the vomero-nasal organ of reptiles and mammals. Kolnberger I, et al.
Z Zellforsch Mikrosk Anat 118:254-62, 1971
Electron microscopic studies on the palpi of Cybister fimbriolatus fimbriolatus (Say). I. Examination of the cuticular surfaces by means of the scanning and transmission electron microscopes. Yasuzumi F, et al.
Z Zellforsch Mikrosk Anat 117:476-84, 1971
[Electron microscopic study of the histogenesis of Herbst's corpuscle in the skin of the duck] Saxod R.
J Ultrastruct Res 33:463-82, Dec 70 (Fre)
[Studies of the postantennal organ in Collembola (Apterygota). I. The fine structure of the postantennal sensillum in Sminthurus fuscus (L.)] Altner H, et al.
Z Zellforsch Mikrosk Anat 111:263-85, 1970 (Ger)
[Contribution to ehe knowledge of the sensory organs of Symphyla (Myriapoda). I. Electron microscopical study of the trichobothrium of Scutigerella immaculata Newport] Haupt J.
Z Zellforsch Mikrosk Anat 110:588-99, 1970 (Ger)
[Contribution to the knowledge of the sensory organs of Symphyla (Myriapoda). I. Electron microscopical study of the trichobothrium of Scutigerella immaculata Newport] Haupt J.
Z Zellforsch Mikrosk Anat 10:588-99, 1970 (Ger)
[The fine structure of the sensory organs of Lineus ruber O.F. Müller (Nemertini, Heteronemertini)] Storch V, et al.
Z Zellforsch Mikrosk Anat 117:212-25, 1971 (Ger)
[Ultrastructure of the olfactory receptor in guinea pigs] Catalano GB, et al.
Clin Otorinolaringoiatr 21:166-201, May-Jun 69 (Ita)
[Histochemical studies on the adrenergic innervation of the chamber angles in the monkey's eye] Kumura H. Acta Soc Ophthalmol Jap 75:303-8, 20 Jan 71 (Jap)
[Incapsulated receptors of the medulla oblongata and spinal cord arteries] Motavkin PA, et al.
Biull Eksp Biol Med 67:84-7, 1969 (Rus)
[Electron microscopic study of the receptor and supportive cells of the taste buds in the frog] Pevzner RA. Tsitologiia 12:971-7, Aug 70 (Rus)

DRUG EFFECTS

Inhalation toxicology and lung edema receptor sites. Gregory AR. Am Ind Hyg Assoc J 31:454-9, Jul-Aug 70
Succinylcholine and decamethonium: comparison of depolarization and desensitization. Gissen AJ, et al.
Anesthesiology 33:611-8, Dec 70
A nerve-chamber bioassay of some new and clinically used compounds. Paterson JG, et al.
Arch Int Pharmacodyn Ther 185:370-87, Jun 70
Hyperdynamic beta-adrenergic circulatory state. An overview. Frohlich ED, et al.
Arch Intern Med 126:1068-9, Dec 70
Response of mesenteric blood flow to glucagon. Influence of pharmacological stimulation and blockade of adrenergic receptors. Tibblin S, et al.
Arch Surg 102:65-70, Jan 71
A comparison of the antinociceptive actions of cholinomimetic and morphine-like drugs. Ireson JD.
Br J Pharmacol 40:92-101, Sep 70
A quantitative study of beta-adrenergic receptors in rabbit atria. Bristow M, et al.
Eur J Pharmacol 12:120-3, 1 Sep 70
A selective beta-adrenoreceptor stimulant (Th1165a) related to orciprenaline. O'Donnell SR.
Eur J Pharmacol 12:35-43, 1 Sep 70
Adrenergic neurone blockade with chloroquine and amodiaquine. Jindal MN.
Indian J Med Res 58:1050-6, Aug 70
Effect of cervical sympathetic stimulation on accommodation in guanethidine-treated monkeys. Törnqvist G. Invest Ophthalmol 9:765-8, Oct 70
Influence of polyvalent cations on the activation of muscle end plate receptors. Lambert DH, et al.
J Gen Physiol 56:309-21, Sep 70
Reflex inhibition of monosynaptic reflexes by stimulation of type J pulmonary endings. Deshpande SS, et al. J Physiol (Lond) 206:345-57, Feb 70
Drug-induced pilomotion. An easily demonstrated alpha-effect of sympathomimetic drugs. Herxheimer A, et al. J Physiol (Lond) 208:9P-10P, May 70
Nicotinic acetylcholine receptors subserving nociception in the dog hindlimb. Taira N, et al.
Jap J Physiol 20:571-83, 15 Oct 70
The inhibitory and excitatory properties of alpha adrenoceptors in the rat stomach. Ogle CW, et al.
Life Sci [I] 10:153-9, 1 Feb 71
Modification of the anti-nociceptive activity of morphine by centrally administered Ouabain and Dopamine. Calcutt CR, et al.
Psychopharmacologia 21:111-7, 1971
[Direct pharmacological proof that beta-adrenergic receptors involved in the insulin secretion are of the beta-2 type] Mariani MM, et al.
C R Acad Sci [D] (Paris) 271:1046-8, 21 Sep 70 (Fre)
[Influence of respiratory acidosis on the bronchial effects of noradrenaline, adrenaline and isoprenaline] Baisset A, et al.
C R Soc Biol (Paris) 164:1132-6, 1970 (Fre)
["Desensitization" of cholinergic receptors in the retina] Dettmar P.
Acta Biol Med Ger 26:771-7, 1971 (Ger)
[Comparative studies on the question of differentiation of adrenergic beta-receptors] Mentz P, et al.
Arch Int Pharmacodyn Ther 187:23-9, Sep 70 (Ger)
[Behavior of frog taste receptors perfused with sodium gymnemate] Rapuzzi G, et al.
Boll Soc Ital Biol Sper 46:423-6, 30 Apr 70 (Ita)
[Action of streptomycin on the activity of lingual receptors] Rapuzzi G, et al.
Boll Soc Ital Biol Sper 46:417-20, 30 Apr 70 (Ita)
[On the action of Ba++ on frog lingual receptors] Taglietti V, et al.
Boll Soc Ital Biol Sper 45:1553-5, 15 Dec 69 (Ita)
[Influence of streptomycin and dihydrostreptomycin on the isolated ampullar receptors of the frog] Harada Y. Hiroshima J Med Sci 19:125-35, Sep 70 (Ita)
[Effects of fibrinogen degradation products on the alpha and beta receptors of the adrenergic system of the uterus in rats] Maloflejew M.
Ginekol Pol 41:1073-7, Oct 70 (Pol)
[Specificity of elimination by trypsin of dibenamine block of alpha-adrenoreceptors] Abramets II.
Biull Eksp Biol Med 70:75-7, Nov 70 (Rus)
[Analysis of the adrenoreceptors of frog and rat myocardium at different temperatures] Abramets II, et al. Biull Eksp Biol Med 70:48-50, Dec 70 (Rus)
[Analysis of the receptive structures participating in the behavior reactions of cats to catecholamines and serotonin] Komissarov IV, et al.
Biull Eksp Biol Med 70:42-5, Sep 70 (Rus)
[The effect of various pharmacologic substances on the pulmonary receptors] Maksimenko SF.
Biull Eksp Biol Med 65:60-3, Apr 68 (Rus)
[Significance of peripheral catecholamine mechanisms in effecting a reserpine-induced central activation of the pituitary-adrenal system] Rasin MS, et al.
Biull Eksp Biol Med 70:51-4, Dec 70 (Rus)
[The significance of H-cholinoreceptor sulfhydryl groups in the mechanism of proserine action] Tarakhovskiĭ ML.
Biull Eksp Biol Med 69:72-5, Apr 70 (Rus)
[Nature of interaction of anticholinesterase agents with allo- and isosteric areas of cholinoreceptors] Tarakhovskiĭ ML, et al.
Biull Eksp Biol Med 72:48-51, Jul 71 (Rus)
[Effect of ACTH on some physiological indices of skeletal muscles during blockade of adren- and cholinoreactive structures] Korkach VI.
Fiziol Zh SSSR 56:1276-81, Sep 70 (Rus)
[Modeling of the interaction of catecholamines with alpha-adrenoreceptors] Manukhin BN, et al.
Fiziol Zh SSSR 57:372-9, Mar 71 (Rus)

EMBRYOLOGY

Studies on the pharmacology of the perfused human fetal ductus arteriosus. McMurphy DM, et al.
Am J Obstet Gynecol 109:937-42, 15 Mar 71
Ultrastructure of sensory receptors in Ascidian tadpoles. Eakin RM, et al.
Z Zellforsch Mikrosk Anat 112:287-312, 1971
[Electron microscope study of the histogenesis of cutaneous sensory Herbst and Grandy corpuscles (duck beak)] Saxod R.
Annee Biol 9:589-90, Jul-Oct 70 (Fre)
[The origin of diverse cell categories of the Herbst corpuscle] Saxod R.
C R Acad Sci [D] (Paris) 273:89-91, 5 Jul 71 (Fre)
[Electron microscopic study of the histogenesis of Herbst's corpuscle in the skin of the duck] Saxod R.
J Ultrastruct Res 33:463-82, Dec 70 (Fre)
[Developmental stages of the bush-like receptor in fetal, lamb and sheep esophageal ganglia] Vshivtseva VV. Dokl Akad Nauk SSSR 198:232-5, 1971 (Rus)

GROWTH & DEVELOPMENT

Morphological adaptation in developing vibrissae of rats. Park AW. Acta Anat (Basel) 75:67-78, 1970
The lateral line system at metamorphosis in Xenopus laevis (Daudin). Shelton PM.
J Embryol Exp Morphol 24:511-24, Nov 70
[Study of the phenomenon of regeneration after section of the antenna of the plasmid Sipyloidea sipylus W] Urvoy J.
J Embryol Exp Morphol 23:719-28, Jun 70 (Fre)
[Developmental stages of the bush-like receptor in fetal, lamb and sheep esophageal ganglia] Vshivtseva VV. Dokl Akad Nauk SSSR 198:232-5, 1971 (Rus)

METABOLISM

Effect of some beta-adrenoreceptor blocking agents on the uptake of noradrenaline by adrenergic nerves in the nictitating membrane of the pithed cat.
Hoszowska A. Folia Biol (Krakow) 19:63-72, 1971

PHYSIOLOGY

Reflex relaxation of the stomach elicited from heart receptors. Abrahamsson H, et al.
Acta Physiol Scand 80:8A-9A, Dec 70
Inhibitory control of the abdominal stretch receptors of the crayfish. IV. Quantitative description of the central coupling of the accessory reflex. Jansen J, et al. Acta Physiol Scand 81:484-91, Apr 71
Inhibitory control of the abdominal stretch receptors of the crayfish. II. Reflex input, segmental distribution, and output relations. Jansen JK, et al.
Acta Physiol Scand 80:443-9, Dec 70
On the innervation of the slowly adapting stretch receptor of the crayfish abdomen. An electrophysiological approach. Jansen JK, et al.
Acta Physiol Scand 81:273-85, Feb 71
Inhibitory control of the abdominal stretch receptors of the crayfish. 3. The accessory reflex as a recurrent inhibitory feed-back. Jansen JK, et al.
Acta Physiol Scand 81:472-83, Apr 71
Spatial distribution of receptor-responses to stimulation with different odours. Mustaparta H.
Acta Physiol Scand 82:154-66, Jun 71
Thirst--and brain control of water balance. Andersson B. Am Sci 59:408-15, Jul-Aug 71
Evidence for the participation of a cholinergic receptor in adrenergic transmission. Lederer E, et al.
Arch Int Pharmacodyn Ther 185:105-20, May 70
An apparatus for producing small-amplitude high-frequency sinusoidal stretching of the muscle. Morelli M, et al. Arch Ital Biol 108:222-32, Apr 70
Stimulus convergence in human teeth. Mumford JM, et al. Arch Oral Biol 15:953-9, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Thalamic neurons responsive to temperature changes of glabrous hand and foot skin in squirrel monkey. Burton H, et al. **Brain Res** 24:179-90, 1 Dec 70
Thalamic 'warming' and 'cooling' units responding to cutaneous stimulation. Martin HF 3d, et al. **Brain Res** 27:377-81, 2 Apr 71
Activity of single cells in the osmoreceptor-supraoptic nuclear complex in the hypothalamus of the waking rhesus monkey. Vincent JD, et al. **Brain Res** 23:105-8, 29 Sep 70
Adaptation of neural taste responses in cat. Wang MB, et al. **Brain Res** 20:277-82, 3 Jun 70
Airway "hyperreactivity" relation to autonomic reflexes. Simonsson BG. **Bronches** 18:436-8, Nov-Dec 68
Evaporative cooling in the rat: differences between salivary glands as thermoregulatory effectors. Hainsworth FR, et al. **Can J Physiol Pharmacol** 49:573-80, Jun 71
Interaction of tooth pulp and periodontal ligament receptors in a jaw-depression reflex. Anderson KV, et al. **Exp Neurol** 32:295-302, Aug 71
A protective mechanism for the tongue: suppression of genioglossal activity induced by stimulation of trigeminal proprioceptive afferents. Sauerland EK, et al. **Experientia** 26:1226-7, 15 Nov 70
Control of antidiuretic hormone secretion. Introductory remarks. Nash FD. **Fed Proc** 30:1376-7, Jul-Aug 71
Cholinergic and adrenergic receptors at sympathetic preganglionic nerve terminals. Nishi S. **Fed Proc** 29:1957-65, Nov-Dec 70
Vasoconstriction produced in the iris-ciliary body of the cat eye by stimulation of local ganglion-like receptors. Macri FJ. **Invest Ophthalmol** 10:581-8, Aug 71
Directional change in a flying beetle. Burton AJ. **J Exp Biol** 54:575-85, Jun 71
The role of the lateral-line efferent system in Xenopus laevis. Russell IJ. **J Exp Biol** 54:621-41, Jun 71
The pharmacology of efferent synapses in the lateral-line system of Xenopus laevis. Russell IJ. **J Exp Biol** 54:643-58, Jun 71
Cutaneous receptive properties of single fibres in the cat's medial lemniscus. Brown AG, et al. **J Physiol (Lond)** 211:Suppl:37P+, Dec 70
Intrapulmonary receptor response to changes in airway-gas composition in Gallus domesticus. Fedde MR, et al. **J Physiol (Lond)** 209:609-25, Aug 70
Stimulus-response relationships in first-order sensory fibres from cat vibrissae. Hahn JF. **J Physiol (Lond)** 213:215-26, Feb 71
The location and nature of the receptors for secretion by the salt gland of the goose. Hanwell A, et al. **J Physiol (Lond)** 216:28P-29P, Jul 71
Further evidence for right atrial receptors affecting heart rate. Kappagoda CT, et al. **J Physiol (Lond)** 210:132P+, Sep 70
The effects of stimulation of the left atrial receptors on sympathetic efferent nerve fibres. Karim F, et al. **J Physiol (Lond)** 213:38P-39P, Mar 71
Sensory cells in the spinal cord of the sea lamprey. Martin AR, et al. **J Physiol (Lond)** 212:65-83, Jan 71
Efferent activity in the lateral line nerve of dogfish. Roberts BL, et al. **J Physiol (Lond)** 208:37P, May 70
Activity of lung irritant receptors caused by cigarette smoke, dust and histamine aerosol. Sellick H, et al. **J Physiol (Lond)** 210:56P-57P, Sep 70
Utricular stimulation and oculomotor reactions. Fluur E, et al. **Laryngoscope** 80:1701-12, Nov 70
Saccular stimulation and oculomotor reactions. Fluur E, et al. **Laryngoscope** 80:1713-21, Nov 70
Transduction processes of movement and position sensitive cells in a crustacean limb proprioceptor. Mill PJ, et al. **Nature (Lond)** 229:206-8, 15 Jan 71
Adrenergic neurone and receptor activity in the iris of the neonate. Lind N, et al. **Pediatrics** 47:105-12, Jan 71
Two-point discrimination: asymmetry in spatial discrimination on the two sides of the tongue, a preliminary report. McCall GN, et al. **Percept Mot Skills** 32:368-70, Apr 71
Beta adrenergic receptor activity in peripheral vascular beds of the unanesthetized dog. Granata L, et al. **Pfluegers Arch** 320:64-78, 1970
The molecular parameters of olfactory response. Beets MG. **Pharmacol Rev** 22:1-34, Mar 70 (99 ref.)
Sensitivity to inflation of the respiratory system in the chicken. Eaton JA Jr, et al. **Resp Physiol** 11:167-77, Jan 71
Flight orientation in locusts. Camhi JM. **Sci Am** 225:74-81, Aug 71
Receptive field mechanism in the vertebrate retina. Naka KI. **Science** 171:691-3, 19 Feb 71
Autoinhibition in the sensory system of cats. Richardson DE. **Surg Forum** 21:447-9, 1970
Responses of monkey thalamus to nociceptive stimuli. Nakahama H, et al. **Tohoku J Exp Med** 102:413-4, Dec 70
Inhibitory interaction in the retina. Hartline HK. **UCLA Forum Med Sci** 8:297-317, 1969
Interaction of excitation and inhibition in the stirnorgan of the frog. Hamasaki DI. **Vision Res** 10:307-16, Apr 70
[Neural receptors] Vincent JD. **Bord Med** 3:3009-10 passim, Dec 70 (Fre)
[Regulation of the autoactivity of the electroreceptors of the mormyre Gnathonemus petersii] Pimentel de Souza F. **C R Acad Sci [D] (Paris)** 272:2465-7, 10 May 71 (Fre)
[Differentiation with practolol of the type of beta adrenergic receptor involved in insulin secretion] Mariani MM, et al. **C R Soc Biol (Paris)** 164:1596-600, 1970 (Fre)
[Functional study of 2 appendicular proprioceptors in the lobster Palinurus vulgaris] Clarac F, et al. **J Physiol (Paris)** 62:Suppl 3:360, 1970 (Fre)
[Osmosensitive neurons in the anterior hypothalamus of the unanesthetized and free monkey] Vincent JD, et al. **J Physiol (Paris)** 63:Suppl 2:328-9, 1970 (Fre)
[The role of the adrenergic beta-receptors in emotional tachycardia; radiotelemetric studies on ski jumpers] Blatter K, et al. **Schweiz Z Sportmed** 17:131-49, 1969 (Ger)
[A new theory of the adrenergic receptor mechanism and its applicability to the regulation of coronary circulation] Kúnos G, et al. **Orv Hetil** 112:373-6, 14 Feb 71 (Hun)
[A new theory of the adrenergic receptor mechanism and its applicability to the reguation of coronary circulation] Kúnos G, et al. **Orv Hetil** 112:373-6, 14 Feb 71 (Hun)
[Relationships and interferences between the hypothalamus, pituitary gland and peripheral receptors in the mechanism of regulation of the third gonadotropic hormone. I. Presence and behavior of the prolactin inhibiting factor in the bovine and buffalo hypothalamus in special periods of the sex cycle] Calaprice A. **Acta Med Vet (Napoli)** 16:343-61, Sep-Dec 70 (Ita)
[Effects of sinusoidal mechanical stimulation of the neuromuscular receptors on activity of single neurons located in the reticular formation of the brain stem] Pompeiano O, et al. **Boll Soc Ital Biol Sper** 46:769-72, 15 Oct 70 (Ita)
[Pharmacology of the receptors in the heart; with special reference to the adrenergic receptor] Ando J. **J Jap Med Assoc** 64:1064-7, Nov 70 (Jap)
[Physiology of the receptors in the heart] Nilijima A. **J Jap Med Assoc** 64:1049-64, Nov 70 (25 ref.) (Jap)
[Experimental studies on the relationship between deep cervical proprioceptors and the oculomotor system: changes in nystagmus, oculomotor and nuchal muscle movements as an indicator of procainization of the unilateral nuchal muscles] Fukui K. **J Otolaryngol Jap** 74:626-61, Mar 71 (Jap)
[Response to vibratory stimulations of fast-adapting free nerve endings in the mandibular periosteum] Onoe Y. **Shikwa Gakuho** 71:1068-111, Mar 71 (Jap)
[Adrenergic receptor in the area of the ruminal and femoral arteries in sheep] Garbuliński T, et al. **Acta Physiol Pol** 21:173-83, Mar-Apr 70 (Pol)
[Saturation of S-potentials of fish retina. Bicomponent reactions] Maksimova EM, et al. **Biofizika** 14:905-13, Sep-Oct 69 (Rus)
[Saturation of S-potentials of fish retina. The L-type reaction] Maksimova EM, et al. **Biofizika** 14:731-9, Jul-Aug 69 (Rus)
[Properties and receptive fields of the central neurons in the cercal auditory system of the house cricket] Petrovskaia ED, et al. **Biofizika** 14:545-52, May-Jun 69 (Rus)
[Characteristics of individual receptors of the house cricket cercal auditory system] Petrovskaia ED, et al. **Biofizika** 15:1112-9, Nov-Dec 70 (Rus)
[Electrical and spectral properties of optic cells of the grasshopper (Tettigonia) and the cricket (Gryllus)] Vishnevskaia TM, et al. **Biofizika** 14:151-7, Jan-Feb 69 (Rus)
[Lateral inhibition in frog retina in conditions of dark adaptation] Zenkin GM, et al. **Biofizika** 14:914-20, Sep-Oct 69 (Rus)
[The mechanism of reciprocal interaction between cutaneous touch receptors] Esakov AI, et al. **Biull Eksp Biol Med** 65:3-7, Apr 68 (Rus)
[The effect of temperature on the frequency spectrum of myelinated afferent A-delta fibers upon stimulation of skin mechanoreceptors] Gladysheva OS. **Biull Eksp Biol Med** 69:12-4, Jun 70 (Rus)
[Frog myocardial adrenoreceptors as iron containing complexes] Komissarov IV, et al. **Biull Eksp Biol Med** 67:75-8, Jun 69 (Rus)
[The role of metal in the active center of adrenoreceptors] Komissarov IV, et al. **Biull Eksp Biol Med** 66:61-4, Nov 68 (Rus)
[A thermal thermoesthesiometer] Kurilova LM, et al. **Biull Eksp Biol Med** 69:123-4, Jun 70 (Rus)
[Reflex changes in blood circulation during stimulation of lung deflation receptors] Looga RIu. **Biull Eksp Biol Med** 70:3-6, Dec 70 (Rus)
[Cholinergic nervous apparatus of pia mater and brain blood vessels] Motavkin PA, et al. **Biull Eksp Biol Med** 70:113-6, Jul 70 (Rus)
[Changes in the intensity of inclusion of methionine S35 in the receptors and neurons of the auditory analyzer during acoustic stimulation (historadioautographic study)] Anichin VF. **Dokl Akad Nauk SSSR** 195:242-5, 1970 (Rus)
[Possible role of imidazole compounds in nerve activity processes (exemplified by histamine)] Pravdich-Neminskaia TV. **Dokl Akad Nauk SSSR** 186:1452-4, 27 Jun 69 (Rus)
[Changes in the myotatic reflex upon stimulation of the interoceptors of the gastrointestinal tract] Borisova RP. **Fiziol Zh SSSR** 56:186-90, Feb 70 (Rus)
[Statistical characteristics of the summary impulse activity of the crayfish propo-dactylopodite-receptor organ] Burdanov VS, et al. **Fiziol Zh SSSR** 57:633-6, Apr 71 (Rus)
[Absorptive activity of the dog small intestine during stimulation of the pleural receptors] Faĭtel'berg RO, et al. **Fiziol Zh SSSR** 56:1478-82, Oct 70 (Rus)
[Effect of peripheral thermoreception on the electrical activity of the anterior hypothalamus] Glebova NF, et al. **Fiziol Zh SSSR** 56:1433-7, Oct 70 (Rus)
[Reflex changes in respiration following collapse of the lungs] Looga RIu. **Fiziol Zh SSSR** 56:392-9, Mar 70 (Rus)
[The bioelectric activity of the neurons of the supraoptic and paraventricular nuclei of the hypothalamus upon stimulation of the osmoreceptive zone of the cat liver] Matveeva MB, et al. **Fiziol Zh SSSR** 56:324-31, Mar 70 (Rus)
[Effect of sinusoidal vibration of different frequency and amplitude on the skin receptors] Meliia AS. **Fiziol Zh SSSR** 56:1750-7, Dec 70 (Rus)
[Dual nature of peripheral cold receptivity] Minut-Sorokhtina OP. **Fiziol Zh SSSR** 56:886-94, 1970 (Rus)
[An electromyographic study of trace processes following prolonged vibration stimulation of proprioceptors] Ruzybakiev RM. **Fiziol Zh SSSR** 56:1125-9, Aug 70 (Rus)
[Role of catecholamine depots and alpha-adrenoreceptors in the radiation-protective effect of hydroxyphenylethanolamines] Kulinskiĭ VI. **Radiobiologiia** 10:887-91, Nov-Dec 70 (Rus)
[Bioelectrical reactions in thalamic nuclei during chemical stimulation of intestinal receptors] Vasilevskaia NE, et al. **Vestn Leningr Univ [Biol]** 1:84-93, Feb 70 (Rus)
[The colinergic mechanisms of reticular inhibition of cerebral cortex neurons in the cat] Gilinskii MA, et al. **Zh Vyssh Nerv Deiat** 19:653-60, Jul-Aug 69 (Rus)
[Quantitative analysis of quickly adapting mechanoreceptors in human hands] Knibestöl M. **Nord Med** 85:636, 20 May 71 (Swe)
[Regulation of motor function of large intestine with stomach receptors] Vorobíova NN. **Fiziol Zh** 16:125-9, Jan-Feb 70 (Ukr)

PHYSIOPATHOLOGY

Increased activity in vagal cardiac afferents correlated to the appearance of reflex bradycardia during severe hemorrhage in cats. Oberg B, et al. **Acta Physiol Scand** 80:22A-23A, Dec 70
Inappropriception: a possible sensory basis for athetoid movements. Harris FA. **Phys Ther** 51:761-70, Jul 71
[Posturokinetic ultra-afferentation as a quality indicator of proprioception. Pathological afferent and efferent association with dissociation of conscious signalization] Vítek J. **Cesk Neurol** 34:8-10, Jan 71 (Cze)
[Paradoxical temperature perception] Moffie D. **Ned Tijdschr Geneeskd** 115:350-2, 20 Feb 71 (Dut)
[Exploration of pulmonary proprioceptivity of man in chronic hypoxia] Jacquemin C, et al. **J Physiol (Paris)** 1:Suppl 1:138, 1969 (Fre)
[Pain receptor in toothache] Nitta M. **J Jap Stomatol Soc** 37:249, Sep 70 (Jap)
[Cold reception by the skin in chronic tonsillitis patients] Kurilova LM, et al. **Biull Eksp Biol Med** 65:51-3, May 68 (Rus)
[Effect of whole-body gamma-irradiation on some functions of the rat skeletal musculature receptors] Kudriavtsev VD, et al. **Izv Akad Nauk SSSR [Biol]** 4:611-3, Jul-Aug 70 (Rus)
[Characteristics of thermal reception of the skin in eczema and neurodermatitis] Angelova VS, et al. **Vestn Dermatol Venerol** 44:37-40, Oct 70 (Rus)
[Proprioceptive regulation of the autonomic function of the skin] Datskovskiĭ BM. **Vestn Dermatol Venerol** 44:21-5, Oct 70 (Rus)
[Use of ultrasound in therapy of neuroreceptor forms of impotence] Neshkov NS. **Vopr Kurortol Fizioter Lech Fiz Kult** 35:270, May-Jun 70 (Rus)

RECEPTORS, STRETCH see under

NEUROMUSCULAR SPINDLES (A2, A8)

RECKLINGHAUSEN'S DISEASE OF BONE see

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NEUROFIBROMATOSIS (C2)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RECOMBINATION, GENETIC (G1)

Mechanism of conjugation and recombination in bacteria. XI. The relationship between entering of donor genophore and the initiation of female cell genophore replication. Kociszewska-Kiljańczyk B, et al. Acta Microbiol Pol [A] 2:49-55, 1970

Mechanism of conjugation and recombination in bacteria. XII. Susceptibility of donor DNA to 32P-decay during conjugation. The new model of recombination involving single-strandedness of donor DNA and triplex formation. Wlodarczyk M, et al. Acta Microbiol Pol [A] 2:57-74, 1970

Recombination in bacteriophage T4. Mosig G. Adv Genet 15:1-53, 1970 (169 ref.)

Segregation of phage receptors T 6 during cell division in Escherichia coli K 12. Leal J, et al. Ann Inst Pasteur (Paris) 120:467-74, Apr 71

Serologic changes in Shigella flexneri bacilli as a result of recombination with E. coli K12. Mroz E, et al. Arch Immunol Ther Exp (Warsz) 18:353-6, 1970

Regulation of recombination at the his-3 locus in Neurospora crassa. Angel T, et al. Aust J Biol Sci 23:1229-40, Dec 70

Control of recombination within the nitrate-2 locus of Neurospora crassa: an unlinked dominant gene which reduces prototroph yields. Catcheside DE. Aust J Biol Sci 23:855-65, Aug 70

Common regulation of recombination at the amination-1 and histidine-2 loci in Neurospora crassa. Catcheside DG, et al. Aust J Biol Sci 24:107-15, Feb 71

Effect of rec-3 on polarity of recombination in the amination-1 locus of Neurospora crassa. Smyth DR. Aust J Biol Sci 24:97-106, Feb 71

An ATP-dependent deoxyribonuclease from Diplococcus pneumoniae. II. Evidence for its involvement in bacterial recombination. Vovis GF, et al. Biochim Biophys Acta 224:42-54, 12 Nov 70

Comparison of the haemagglutinin production of influenza A2 Hong Kong variant and recombinant strains. Tauraso NM, et al. Bull WHO 43:275-9, 1970

Linkage analysis of chromosome I of Aedes aegypti. Bhalla SC, et al. Can J Genet Cytol 12:425-35, Sep 70

Topography of the ad-3 region of Neurospora crassa. Griffiths AJ. Can J Genet Cytol 12:420-4, Sep 70

Genetically mixed perithecia and somatic recombination in a pseudowild type strain of Neurospora crassa. Radford A, et al. Can J Genet Cytol 12:547-52, Sep 70

High resolution recombination analysis of the pyridoxine-1 locus of Neurospora. Radford A. Can J Genet Cytol 10:893-7, Dec 68

Stable coexistence of Rfi factors in Escherichia coli. Khatoon H, et al. Can J Microbiol 17:669-75, May 71

Chromosomal rearrangements in three generations of a Jamaican family. A possible further example of recombinational imbalance. Martin PA, et al. Cytogenetics 9:360-8, 1970

Studies on rII region of T2L phage. Alikhanian SI, et al. Experientia 27:468-9, 15 Apr 71

Intragenic recombination pattern within the 164 locus of Ascobolus immersus in the presence of outside markers. Baranowska H. Genet Res 16:185-206, 2 Oct 70

A genetic analysis of non-disjunction and mitotic recombination in Neurospora crassa. Threlkeld SF, et al. Genet Res 16:29-35, Aug 70

Recognition sites and coordinate control of recombination in Schizophyllum. Schaap T. Genetica 42:219-30, 1971

Gene conversion in higher organisms: half-tetrad analysis of recombination within the rosy cistron of Drosophila melanogaster. Chovnick A, et al. Genetics 66:315-29, Oct 70

Mutants of Escherichia coli defective in the B protein of tryptophan synthetase. IV. Recombination map. Crawford IP, et al. Genetics 66:607-16, Dec 70

Average recombination frequencies. Franklin IR. Genetics 66:709-11, Dec 70

Identification of two loci controlling crossing over in males of Drosophila ananassae. Hinton CW. Genetics 66:663-76, Dec 70

Genetic recombination between closely linked markers of bacteriophage T4. I. A dual mechanism for recombinant formation. Honda M, et al. Genetics 63:743-58, Dec 69

Increase of genetic variability through recombination in Drosophila melanogaster. Kosuda K, et al. Genetics 67:287-304, Feb 71

Evidence from Sordaria that recombination and conversion frequencies are partly determined before meiosis, and for a general model of the control of recombination frequencies. Lamb BC. Genetics 63:807-20, Dec 69

Linkage modifications and sex difference in recombination. Nei M. Genetics 63:681-99, Nov 69

Replication, recombination, and chiasmata in Goniaea australasiae (Orthoptera:Acrididae). Peacock WJ. Genetics 65:593-617, Aug 70

Intragenic recombination of ascospore color mutants in Ascobolus and its relationship to the segregation of outside markers. Stadler DR, et al. Genetics 66:429-47, Nov 70

The relation of mitotic recombination to DNA replication in yeast pedigrees. Wildenberg J. Genetics 66:291-304, Oct 70

The B-chromosome system of Myrmeleotettix maculatus. V. A steep cline in East Anglia. Hewitt GM, et al. Heredity (Lond) 25:363-71, Aug 70

A new gene cluster in yeast: the fatty acid synthetase system. Schweizer E, et al. Hoppe Seylers Z Physiol Chem 352:377-84, Mar 71

Heterogenomic recombinants from compatible nocardiae. Brownell GH, et al. J Bacteriol 104:79-86, Oct 70

Involvement of recombination genes in growth and viability of Escherichia coli K-12. Capaldo-Kimball F, et al. J Bacteriol 106:204-12, Apr 71

Genetic recombination in Streptomyces bikiniensis var. zorbonensis. Coats JH, et al. J Bacteriol 105:880-5, Mar 71

Chromosomal integration of F' factors in recombination-deficient Hfr strains of Escherichia coli. DeVries JK, et al. J Bacteriol 106:150-6, Apr 71

Pleiotropic effect of the rec A gene of Escherichia coli: uncoupling of cell division from deoxyribonucleic acid replication. Inouye M. J Bacteriol 106:539-42, May 71

Inefficiency of genetic recombination in hybrids between Escherichia coli and Salmonella typhosa. Johnson EM, et al. J Bacteriol 106:243-9, Apr 71

Recombination-deficient mutants of colicinogenic Salmonella typhimurium detected by their failure to produce colicin. MacPhee DG. J Bacteriol 104:345-50, Oct 70

Isolation and genetic analysis of a strain of Escherichia coli K-12 with an amber recA mutation. Mount DW. J Bacteriol 107:388-9, Jul 71

Non-essentiality of the recA- mutation in the phenomenon of bacteriophage M13-induced elimination of F' factors. Palchoudhury SR, et al. J Bacteriol 106:1040-2, Jun 71

Chromosome transfer and recombinant formation with deoxyribonucleic acid temperature-sensitive strains of Escherichia coli. Stallions DR, et al. J Bacteriol 105:886-95, Mar 71

Evidence for genetic interaction between plasmid and chromosomal penicillinase linkage groups in Staphylococcus aureus. Vernon EG, et al. J Bacteriol 103:826-9, Sep 70

Conjugation in Escherichia coli: interactions affecting recombination frequencies for markers situated at the leading end of the donor chromosome. Walker EM, et al. J Bacteriol 103:547-51, Sep 70

The role of exonuclease and beta protein of phage lambda in genetic recombination. II. Substrate specificity and the mode of action of lambda exonuclease. Carter DM, et al. J Biol Chem 246:2502-12, 25 Apr 71

The role of exonuclease and beta protein of phage lambda in genetic recombination. 3. Binding to deoxyribonucleic acid. Radding CM, et al. J Biol Chem 246:2513-8, 25 Apr 71

Genetic recombination in a thermophilic actinomycete, Thermoactinomyces vulgaris. Hopwood DA, et al. J Gen Microbiol 63:133-6, Sep 70

Ultraviolet reactivation in bacteriophage lambda. Hart MG, et al. J Gen Virol 8:197-208, Sep 70

Complete linkage in females of Culex tritaeniorhynchus mosquitoes. Baker RH, et al. J Hered 61:59-61, Mar-Apr 70

Genotypes produced by individual recombination events involving bacteriophage f1. Boon T, et al. J Mol Biol 58:133-51, 28 May 71

A recombination function essential to the growth of bacteriophage P22. Botstein D, et al. J Mol Biol 54:417-40, 28 Dec 70

Branched DNA molecules: intermediates in T4 recombination. Broker TR, et al. J Mol Biol 60:131-49, 28 Aug 71

Marker-specific effects in genetic recombination. Norkin LC. J Mol Biol 51:633-55, Aug 70

The role of exonuclease and beta protein of bacteriophage lambda in genetic recombination. I. Effects of red mutants on protein structure. Radding CM. J Mol Biol 52:491-9, 28 Sep 70

Properties of recombination-deficient mutants of bacteriophage lambda. Shulman MJ, et al. J Mol Biol 52:501-20, 28 Sep 70

Contribution of the bacterial recombination function to replication of bacteriophage P2. Yamagami H, et al. J Mol Biol 53:281-5, 28 Oct 70

Parent-to-progeny transfer and recombination of T4rII bacteriophage. Carlson K, et al. J Virol 6:344-52, Sep 70

Transduction of R factors with phage P1 from recombination-deficient Escherichia coli. Hashimoto H, et al. Jap J Microbiol 14:397-404, Sep 70

Genetic properties of a T factor and T-r recombinants. Kameda M, et al. Jap J Microbiol 14:339-49, Sep 70

Breeding systems in fungi and their significance for genetic recombination. Esser K. Mol Gen Genet 110:86-100, 1971

An explanation of fine structure map expansion in terms of excision repair. Fincham JR, et al. Mol Gen Genet 109:309-22, 1970

Fidelity of meiotic gene conversion in yeast. Foge S, et al. Mol Gen Genet 109:177-85, 1970

Two kinds of activity promoted by culture filtrates of male strains of E. coli K-12. Inhibition of "nitrogen mustard after-effect" and stimulation of genetic recombination. Goldfarb DM, et al. Mol Gen Genet 106:315-22, 1970

The wrong way to think about gene conversion? Holliday R, et al. Mol Gen Genet 107:85-93, 1970

Variation of recombination frequency in Neurospora crassa following temperature changes prior to and during meiosis and evidence for a premeiotic sensitive stage. Landner L. Mol Gen Genet 109:219-32, 1970

Observations on genetic properties of intrachromosomal recombination. Laughnan JR, et al. Mol Gen Genet 108:93-6, 1970

Somatic recombination in the common-AB diploid of Schizophyllum commune. Mills DI, et al. Mol Gen Genet 110:67-76, 1971

Formation of concatemers of lambda phage DNA in a recombination-deficient system. Segawa T, et al. Mol Gen Genet 111:197-201, 1971

Mechanism of conjugation and recombination in bacteria. IX. The role of DNA synthesis in post-conjugal genetic recombination. Wlodarczyk M, et al. Mol Gen Genet 106:263-73, 1970

Another two genes controlling mitotic intragenic recombination and recovery from UV damage in Aspergillus nidulans. II. Recombination behaviour and x-ray-sensitivity of uvsD and uvsE mutants. Fortuin JJ. Mutat Res 11:265-77, Mar 71

Gene conversion in Drosophila: non-reciprocal events at the maroon-like cistron. Smith PD, et al. Nature (Lond) 228:442-4, 31 Oct 70

Recombination between mouse and chick DNAs. Nature (Lond) 231:491, 25 Jun 71

Roles of parental and progeny DNA in 2 mechanisms of phage S13 recombination. Baker R, et al. Nature [New Biol] 230:23-5, 3 Mar 71

Mechanism for the action of lambda exonuclease in genetic recombination. Cassuto E, et al. Nature [New Biol] 229:13-6, 6 Jan 71

Recombinational events between exogenous mouse DNA and newly synthesized DNA strands of chicken cells in culture. Hill M, et al. Nature [New Biol] 231:261-5, 30 Jun 71

Genetic control of variable and constant regions of immunoglobulin heavy chains. Mage RG, et al. Nature [New Biol] 230:63-4, 10 Mar 71

Role of exonuclease and protein of phage lambda in genetic recombination. V. Recombination of lambda DNA in vitro. Cassuto E, et al. Proc Natl Acad Sci USA 68:1639-43, Jul 71

Fate of transforming DNA after uptake by competent Bacillus subtilis: failure of donor DNA to replicate in a recombination-deficient recipient. Davidoff-Abelson R, et al. Proc Natl Acad Sci USA 68:1070-4, May 71

Spontaneous recombination in Drosophila melanogaster males. Hiraizumi Y. Proc Natl Acad Sci USA 68:268-70, Feb 71

Genetic recombination in Escherichia coli: the role of exonuclease I. Kushner SR, et al. Proc Natl Acad Sci USA 68:824-7, Apr 71

The effect of genetic linkage on the mean fitness of a population. Lewontin RC. Proc Natl Acad Sci USA 68:984-6, May 71

Mutation and recombination of bacteriophage lambda: effect of ultraviolet radiation. Miura A, et al. Proc Natl Acad Sci USA 67:1722-8, Dec 70

Recombinant-inbred strains. An aid to finding identity, linkage, and function of histocompatibility and other genes. Bailey DW. Transplantation 11:325-7, Mar 71

H-2 types of translocation stocks T(2;9)13Ca, T(9;13)-190Ca and an H-2 recombinant. Klein J, et al. Transplantation 10:309-20, Oct 70

Viruses and renal carcinoma of Rana pipiens. XI. Isolation of frog virus 3 temperature-sensitive mutants; complementation and genetic recombination. Naegele RF, et al. Virology 44:286-95, May 71

On the mechanism of int-promoted recombination. Nash HA, et al. Virology 44:446-9, May 71

The "in vivo" production of "new" influenza A viruses. I. Genetic recombination between avian and mammalian influenza viruses. Webster RG, et al. Virology 44:317-28, May 71

B-chromosomes and meiosis in Festuca mairei St. Yav. Malik CP, et al. Z Biol 116:321-6, Jun 70

[Study of bacterial and viral recombination functions interchangeability] Lecocq JP, et al. Ann Inst Pasteur (Paris) 119:705-10, Dec 70 (Fre)

[Genetic recombination and "lex" function in UV reactivation and mutagenesis of phage lambda] Fauquet P, et al. Arch Int Physiol Biochim 78:586-8, Aug 70 (Fre)

[The activity of each of the DNA chains of T4 phage in genetic recombination] Vinetski YP, et al. Arch Roum Pathol Exp Microbiol 28:927-31, Dec 69 (Fre)

[Immunogenetic studies on microorganisms. 32. Integration site of prophage P22 and genetic locus of O-20 in Salmonella chromosome] Kishi K. Med Biol (Tokyo) 81:311-4, 10 Dec 70 (Jap)

[Genetic recombination between Mycobacterium smegmatis (strains jucho and lactocola)] Mizuguchi Y, et al. Med Biol (Tokyo) 81:163-7, 10 Oct 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Compatibility of genetic recombination in Mycobacteria] Tokunaga T, et al. **Med Biol (Tokyo) 81:289-93, 10 Dec 70 (Jap)**

[Transmissible multiple drug resistance of Enterobacteria] Leplia ES. **Antibiotiki 16:270-3, Mar 71 (Rus)**

[Study of chromosome transference in F-merodiploids of recombination-defective mutants of E. coli K-12] Rudneva SN. **Biull Eksp Biol Med 70:95-7, Sep 70 (Rus)**

[Isolation and characteristics of recombined-defective E. coli K-12 mutants] Rudneva SN, et al. **Biull Eksp Biol Med 68:100-2, Jun 69 (Rus)**

[Rec- mutations and repair of DNA damage induced by various mutagens in Escherichia coli K-12] Pekhov AP, et al. **Dokl Akad Nauk SSSR 195:469-71, 1970 (Rus)**

[Effect of caffeine on multiple reactivation and cross-reactivation of vaccinia virus] Sitnikov BS, et al. **Dokl Akad Nauk SSSR 188:924-5, Oct 69 (Rus)**

[Recombination of sister chromatids in mitosis and sister molecuiees of mitochondrial DNA in vivo] Sokolov NN, et al. **Dokl Akad Nauk SSSR 186:468-70, May 69 (Rus)**

[Formation of a heterozygote following recombination of donor and recipient DNA in the case of phage transformation] Vinetskif IuP. **Dokl Akad Nauk SSSR 190:1463-6, Feb 70 (Rus)**

[Mechanism of genetic recombination in bacteria and phages] Bresler SE. **Izv Akad Nauk SSSR [Biol] 5:707-18, Sep-Oct 70 (Rus)**

[Genetic control of gene recombination] Pekhov AP. **Usp Sovrem Biol 70:192-207, Sep-Oct 70 (77 ref.) (Rus)**

[Genetic analysis of the recombination of genes] Pekhov AP, et al. **Vestn Akad Med Nauk SSSR 24:35-43, 1969 (Rus)**

[Conjugation of type 408 standard E. coli strain with type 026:B6 and 020:K84 strains and analysis of the recombinants] Generalov OV. **Zh Mikrobiol Epidemiol Immunobiol 48:45-9, Mar 71 (Rus)**

[Relation between virulence and colony type in Shigella flexneri 2a hybrids with defined genetic characteristics] Lycheva TA. **Zh Mikrobiol Epidemiol Immunobiol 48:6-10, Mar 71 (Rus)**

[Oxidation-reduction potential and intensity of growth of Shigella flexneri, Escherichia and their genetic recombinants] Motavkina NS, et al. **Zh Mikrobiol Epidemiol Immunobiol 48:96-100, Apr 71 (Rus)**

DRUG EFFECTS

Recombination and transcription in the hisB and paba1 loci of Aspergillus nidulans. Millington-Ward AM. **Genetica 41:557-74, 1970**

Recombination of bacteriophage T4 stimulated by 9-aminoacridine. Mattson TL. **Genetics 65:535-44, Aug 70**

Chemical induction of mitotic recombination in Aspergillus nidulans. Shanfield B, et al. **Genetics 67:209-19, Feb 71**

On the effect of caffeine on mutation and recombination in Schizosaccharomyces pombe. Loprieno N, et al. **Mol Gen Genet 110:348-54, 1971**

Acridine-induced mitotic gene conversion (paramutation) in Saccharomyces cerevisiae. The effect of two different modes of binding to DNA. Fahrig R. **Mutat Res 10:509-14, Nov 70**

Genetic effects of fungicides. Siebert D, et al. **Mutat Res 10:533-43, Dec 70**

Induction of mitotic gene conversion by mutagens. Zimmermann FK. **Mutat Res 11:327-37, Mar 71**

[Biochemical control of recombination in Saccharomyces cerevisiae. II. L-histidine inhibition of intragenic mitotic recombination at two unlinked loci] Henaut A, et al. **Mol Gen Genet 111:138-44, 1971 (Fre)**

[Biochemical control of recombination in Saccharomyces cerevisiae. I. L-histidine inhibition of intragenic mitotic recombination at the ad 3 locus] Luzzati M, et al. **Mol Gen Genet 111:120-37, 1971 (Fre)**

[Induction of reverse mutations in a thymine dependent strain of Escherichia coli and a study of the donor capability of the revertants] Krivosheina GN. **Biull Eksp Biol Med 66:109-11, Aug 68 (Rus)**

RADIATION EFFECTS

Effects of ultraviolet irradiation on heterozygous diploids of Aspergillus nidulans. II. Recovery from UV-induced mutation in mitotic recombinant sectors. Käfer E. **Genetics 63:321-41, Dec 69**

Effect of gamma radiation and alpha particles on gene recombination in Chlamydomonas reinhardi. Lawrence CW, et al. **Mutat Res 10:545-55, Dec 70**

Dose dependence for radiation-induced allelic recombination in Chlamydomonas reinhardi. Lawrence CW. **Mutat Res 10:557-66, Dec 70**

X-ray-induced recombination in the fourth chromosome of Drosophila melanogaster females. I. Kinetics and brood patterns. Williamson JH, et al. **Mutat Res 9:287-97, Mar 70**

X-ray-induced recombination in the fourth chromosome of Drosophila melanogaster females. II. Segregational properties of recombinant fourth chromosomes. Williamson JH, et al. **Mutat Res 9:299-306, Mar 70**

Induction of mitotic gene conversion by mutagens. Zimmermann FK. **Mutat Res 11:327-37, Mar 71**

RECORDS (N4)

The Swedish twin registry--past and future use. Cederlöf R, et al. **Acta Genet Med Gemellol (Roma) 19:351-4, Jan-Apr 70**

The twin register of Lund. Essen-Möller E. **Acta Genet Med Gemellol (Roma) 19:355, Jan-Apr 70**

Twin registers: a progress report. Gedda L, et al. **Acta Genet Med Gemellol (Roma) 19:349-50, Jan-Apr 70**

The Swedish register of malformed children. Experiences from an epidemiological study. Källén B, et al. **Acta Paediatr Scand [Suppl] 206:Suppl 206:40, 1970**

The Finnish register of congenital malformations. Six years of experience and future plans. Klemetti A, et al. **Acta Paediatr Scand [Suppl] 206:Suppl 206:40+, 1970**

A study of infant mortality form linked records: registration aspects. Chase HC. **Am J Public Health 60:2181-96, Nov 70**

Catalogue of arthropod-borne viruses of the world. The Subcommittee on Information Exchange. The American Committee on Arthropod-borne Viruses. **Am J Trop Med Hyg 19:Suppl:1082-4, Nov 70**

Evaluation of 'infant at risk' registers. Knox EG, et al. **Arch Dis Child 45:634-9, Oct 70**

Role of drug-reaction monitoring in the investigation of thrombosis and "the pill". Inman WH. **Br Med Bull 26:248-56, Sep 70**

Ascertainment and prevention of genetic disease. Emery AE, et al. **Br Med J 3:636-7, 12 Sep 70**

Observational and recording techniques. Ewbank R. **Br Vet J 127:398-9, Aug 71**

Cancer of the pancreas in California, 1942-1967. The California Tumor Registry experience. Krain LS. **Calif Med 115:38-41, Jul 71**

Role of education in reporting attempted suicide. Sanborn DE 3d, et al. **Dis Nerv Syst 32:467-71, Jul 71**

The Scottish Mycobacteria Resistance Register. Bruce LG. **Health Bull (Edinb) 29:37-42, Jan 71**

Analysis of the records of American Board of Health Physics applicants. Moeller DW. **Health Phys 20:505-15, May 71**

Computer program for maintaining radioactive source inventories. Wegst WF, et al. **Health Phys 19:444-8, Sep 70**

Medication order forms. Reid WR. **Hosp Manage 110:18-9, Dec 70**

The application blank: a tool for reducing turnover. Longest BB Jr. **Hosp Progr 52:71-2 passim, Jul 71**

Card improves room inspection. Pittman SE. **Hospitals 45:162 passim, 16 Jul 71**

Cost control through record keeping. Reel LC. **Hospitals 45:97-8 passim, 1 Jun 71**

Financial information system. Cooke JW. **J Am Coll Health Assoc 19:164-8, Feb 71**

Establish Registry for Pulpal Pathology. **J Am Dent Assoc 81:1113-4, Nov 70**

Ascertainment of men of Japanese ancestry in Hawaii through World War II Selective Service registration. Worth RM, et al. **J Chronic Dis 23:389-97, Nov 70**

The registry of forensic pathology. Stahl CJ. **J Forensic Sci 13:151-62, Apr 68**

The tumor clinic and the tumor clinic registry. Holman DO. **J Iowa Med Soc 61:94-7, Feb 71**

Postgraduate education and the proposed specialist register for consultants and general practitioners. Counihan HE. **J Ir Med Assoc 63:327-30, 25 Sep 70**

Postgraduate education and the proposed specialist register for consultants and general practitioners. Godber G. **J Ir Med Assoc 63:318-21, 25 Sep 70**

Postgraduate education and the proposed specialist register for consultants and general practitioners. Horder J. **J Ir Med Assoc 63:322-6, 25 Sep 70**

Protecting the abused child in Georgia: identifying and reporting. White DJ Jr. **J Med Assoc Ga 60:86-8, Mar 71**

Organ transplant registry. Murray JE, et al. **JAMA 217:1546-7, 13 Sep 71**

ACS/NIH organ transplant registry. First scientific report. **JAMA 217:1520-9, 13 Sep 71**

Establishment and function of a clinical cancer program in a private hospital. Jonas KC. **Med Ann DC 40:172-4, Mar 71**

Modern pharmacy practice. New law requires new records. Bowles G Jr. **Med Hosp 116:101, Jan 71**

Follow these guidelines for writing a good resume. Witt J. **Med Hosp 117:64-5, Jul 71**

Registry of tissue reactions to drugs. Gotti EW. **N Engl J Med 285:307, 30 Sep 71**

Detection of handicaps in the West Riding. **Nurs Times 67:75-6, 21 Jan 71**

Recording and reporting occupational injuries and illnesses under Public Law 91-596. Federal Register, Vol. 36, No. 128--Friday, July 2, 1971. **Occup Health Nurs (NY) 19:16-26, Sep 71**

Registry of comparative pathology. **Pathol Vet 7:287-8, 1970**

Radiation Registry of Physicians. Silverman C, et al. **Radiology 99:559-68, Jun 71**

Problems and prospects in blind registration. Crookes GP. **Trans Ophthalmol Soc UK 89:921-50, 1970**

An "exposure to risk" register. **Trans Soc Occup Med 20:103-8, Jul 70**

Seventh report of the human kidney transplant registry. **Transplantation 8:721-8, Nov 69**

Description of kidney transplant function during first year. **Transplantation 8:728-38, Nov 69**

Recording in commercial pig units. Weaver RO. **Vet Rec 89:91-3, 17 Jul 71**

Reference Centre for Avian Malaria Parasites. Bennett G, et al. **WHO Chron 25:17-9, Jan 71**

[Compete index, 1970. y word index] **Hoppe Seylers Z Physiol Chem 351:1595-692, Dec 70 (Ger)**

[Opportunity and limitations of the establishment of an "at risk register" of infants within the framework of the local health center] Cadorini S. **Riv Clin Pediatr 81:1190-3, Nov-Dec 68 (Ita)**

[Registration of adverse effects and complications] Asdahl T. **Tidsskr Nor Laegeforen 90:2114-5, 15 Nov 70 (Nor)**

[The birth registry and its importnce n maternal-fetal health planning] Levy MS, et al. **Rev Saude Publica 5:41-6, Jun 71 (Spa)**

[The central register of cardiovascular cases: organization, performance and various results] Garcia Barrios H, et al. **Rev Venez Sanid Asist Soc 35:85-101, Mar 70 (Spa)**

[National registration of cancer] Barajas E. **Salud Publica Mex 12:463-6, Jul-Aug 70 (Spa)**

[Working system for the administration of studies on prenatal morbidity ad mortality] Lavalle Argudín R. **Salud Publica Mex 12:469-90, Jul-Aug 70 (Spa)**

[Drug registration in the county of Jämtland: Clinical experiences of the preliminary study in 1968] Bergström I, et al. **Lakartidningen 67:Suppl III:91+, 12 Oct 70 (Swe)**

[Drug registration in Jämtland--experience of a preliminary study in 1968] Bergström I, et al. **Lakartidningen 67:Suppl 1:38-45, 13 Apr 70 (Swe)**

[Production control with automatic data processing. 3. Clinical chemical laboratories] Verdier CH de. **Lakartidningen 68:236-8, Jan 71 (Swe)**

RECOVERY ROOM see under INTENSIVE CARE UNITS (N2)

RECREATION (E2)

Psychiatric treatment for geriatric patients: "pub" or drug? Chien CP. **Am J Psychiatry 127:1070-5, Feb 71**

Recreational activity and career choice recommendations for use by physicians counseling physical education directors, vocational counselors, parents and young patients with heart disease. Ad Hoc Committee on Habilitation of the Young Cardiac, Council on Rheumatic Fever and Congenital Heart Disease, American Heart Association. **Circulation 43:459-64, Mar 71**

Hiking--weather or not. Adam JM. **Community Health (Bristol) 1:39-46, Jul-Aug 69**

Social class and the senior citizen center. Tissue T. **Gerontologist 11:196-200, Autumn 71**

A correlational study of the dependency-proneness of prison inmates and membership in social clubs. Mattocks AL, et al. **J Clin Psychol 27:48-50, Jan 71**

Therapeutic recreation for exceptional children. Baker C. **J Rehabil 37:32-4, Jan-Feb 71**

Control of pollution from pleasure boats. Turney WG. **J Water Pollut Control Fed 43:447-53, Mar 71**

Patients helping patients. Hawxhurst D, et al. **Ment Hyg 54:370-3, Jul 70**

Extra-curricular activities as a factor in social acceptanced among EMR students. McDaniel CO Jr. **Ment Retard 1:26-8, Apr 71**

The dangers of the bicycle. Waller JA. **N Engl J Med 285:747-8, 23 Sep 71**

Not lemonade and biscuits, please. Simpson MM. **Nurs Times 67:1004-5, 12 Aug 71**

Taking the work out of gardening. Walkden B. **Practitioner Suppl 11:8-14, 1970**

A need for replication in research in health, physical education, and recreation. Pelton B. **Res Q Am Assoc Health Phys Educ 41:613-5, Dec 70**

[Recreation of children and adolescents. Variation of the blood picture as indicator of its effectiveness] Kapalín V. **Cas Lek Cesk 109:1165-70, Dec 70 (Cze)**

[Directed recreational programs in the field of rehabilitation with health educational aspects] Brandau G. **Oeff Gesundheitswes 33:268-72, May 71 (Ger)**

[On the article of K.J. Schöll "Measures of the recreation care following 27 a chapter 2 BVG" in Off. Gesundh.-Wesen 32 (1970), 42] Fiedler H. **Oeff Gesundheitswes 32:493, Sep 70 (Ger)**

[Social assistance in therapy of senile psychoses] Battiati G. G Ig Med Prev 11:201-5, Jul-Sep 70 (Ita)

[Acceleration field changes in various common amusements] Scano A. **Minerva Med 61:4249-51, 26 Sep 70 (Ita)**

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Prospects of sociotherapy in the field of psychiatric care of aged mental patients] Ferrazzi D, et al. Rass Neuropsichiatr 22:356-62, Jul-Sep 68 (Ita)
[Development of health resorts, sanatoriums and recreation establishments in the Kirghiz SSR] Turusbekov BT, et al. Sov Zdravookhr Kirg 3:29-32, May-Jun 70 (Rus)
[Medicosociological problems of rest] Danilov IuE. Vopr Kurortol Fizioter Lech Fiz Kult 35:481-6, Nov-Dec 70 (Rus)

HISTORY

Maryland colonials at play: their sports and games. Kennard JA. Res Q Am Assoc Health Phys Educ 41:389-95, Oct 70

RECRUITS see under MILITARY PERSONNEL (M)

RECTAL DISEASES (C4)

Anus and rectum. Relation to obstetrics and gynecology. Lieberman W. Am J Proctol 22:41-3, Feb 71
Enterogenous cysts of the rectum (colitis cystica profunda). Talerman A. Br J Surg 58:643-7, Sep 71
Crohn's disease of the rectum. Kyle J, et al. Bull Soc Int Chir 29:76-80, Mar-Apr 70
Review of literature on diseases of the colon and rectum. March-April, 1969--compiled by Robert J. Rowe, M.D., M.S. and Elinor C. Reinmiller, B.A., B.S. in L.S., M.A. Dis Colon Rectum 13:408-17, Sep-Oct 70
Ano-rectal and perineal disorders of pregnancy and the puerperium. Atkinson RE, et al. Practitioner 205:789-90, Dec 70
[Ano-rectal Crohn's disease and early surgery (apropos of a case with paradoxal apearance)] Parturier-Albot, et al. Bull Mem Soc Chir Paris 59:316-35, 1969 (Fre)
[Rectal and sigmoid polyps] Maffioli C, et al. Maroc Med 50:146-52, Mar 70 (Fre)
[Pulsating intrarectal tumor] Hecht Y, et al. Rev Med Chir Mal Foie 45:149-50, 1970 (Fre)
[Significance of rectal polyps in general practice] Wenzel R, et al. Z Allgemeinmed 46:1796-7, 31 Dec 70 (Ger)
[Case of coccidial pararectal abscess] Bezlutskif GS, et al. Klin Khir 1:62, Jan 70 (Rus)
[Primary megarectum] Kushch NL, et al. Klin Khir 6:37-40, Jun 70 (Rus)
[Non-cancerous stricture of the rectum] Bereznitskif SA, et al. Vestn Khir 105:74-6, Nov 70 (Rus)
[Rectoperineal abscesses] Musiari J, et al. Prensa Med Argent 57:636-7, 29 May 70 (Spa)
[The rectum and intestinal parasitosis] Esteban JM, et al. Rev Esp Enferm Apar Dig 34:491-4, 1 Jun 71 (Spa)

CHEMICALLY INDUCED

Barium sulfate granuloma of the rectum. A rare entity. Luli GF Jr, et al. JAMA 217:1102-3, 23 Aug 71

COMPLICATIONS

Colitis cystica profunda concurrent with and differentiated from mucinous adenocarcinoma: report of a case. Burt CA, et al. Dis Colon Rectum 13:460-9, Nov-Dec 70
Ulcerative colitis in the South African Bantu. Sobel JD, et al. Gut 11:760-3, Sep 70
The significance and importance of associated anorectal diseases with hemorrhoids. Weinstein JJ. Med Ann DC 40:4-8, Jan 71
[Cloacogenic carcinoma arising in an enterogenous cyst of the anorectal junction] Baruzzi G, et al. Arch Ital Anat Istol Patol 42:474-84, 1969 (Ita)
[Emergencies in proctology] Martinez MA, et al. Rev Sanid Milit Argent 68:107-11, Dec 69 (Spa)

CONGENITAL

The problem of continence. Following pediatric operations in the anal and rectal area. Daum R, et al. Am J Proctol 21:352-9, Oct 70

DIAGNOSIS

Tuberculosis of gastroin-intestinal tract: with special reference to rectal tuberculosis. Gupta OP, et al. Indian J Med Res 58:979-84, Aug 70
Colonofiberoscopy. Wolff WI, et al. JAMA 217:1509-12, 13 Sep 71
Diagnostic usefulness of rectal biopsy. Dobbins WO 3d. Med Ann DC 40:223-6, Apr 71
[Rectoscopy in acute diseases] Setka J. Cesk Gastroenterol Vyz 25:63-4, Mar 71 (Cze)
[The role of the rectum in colitis and ileorectal anastomosis] Maratka Z, et al. Ann Gastroenterol Hepatol (Paris) 7:191-215, May-Jun 71 (Fre)
[Colonic localization of Crohn's disease. New case reports. Rectocolic Crohn's disease. Colonic Crohn's disease and sigmoid diverticulitis. Colonic Crohn's disease] Crosetti JP, et al. Chirurgie 97:215-9, 1971 (Fre)
[Rectoscopy in bilharziasis] Le Bras M, et al. Presse Med 79:869, 17 Apr 71 (Fre)
[First experiences with serial biopsy of the rectal mucosa in inflammatory rectal-colonic diseases] Lisewski G, et al. Dtsch Z Verdau Stoffwechselkr 30:155-6, 1970 (Ger)
[Solitary rectal ulcer] Riek M, et al. Schweiz Med Wochenschr 101:758-9, 22 May 71 (Ger)
[Rectal gonorrhea in women] Odegaard K, et al. Tidsskr Nor Laegeforen 91:1474-6, 10 Jul 71 (Nor)

DRUG THERAPY

[Use of the preparation rectozeol H in some diseases of the anal area] Murdzhiev A. Khirurgiia (Sofiia) 21:576-8, 1968 (Bul)
[Flumethasone pivalate in the field of proctology] Ruiz Moreno F. Prensa Med Mex 32:61-5, Jan-Feb 67 (Spa)

ETIOLOGY

Rectal lesions and toxic dilatation of the colon in a case of pemphigus vulgaris. Stone DD. Am J Dig Dis 16:163-6, Feb 71
Rectal bleeding as the presenting sympton of acute pancreatitis. Sahebjami H, et al. Am J Gastroenterol 54:388-94, Oct 70
Alimentary complications of non-malignant retroperitoneal fibrosis. Mitchell RJ. Br J Surg 58:254-6, Apr 71
Rectal obstruction due to carcinoma of the prostate. Complication does not necessarily indicate an ominous prognosis. Stuart JR, et al. RI Med J 54:211-2 passim, Apr 71
[Rectoscopic aspects of bilharziasis in Africa and the parasitologic correlations] Le Bras M, et al. Bull Soc Pathol Exot 64:61-71, Jan-Feb 71 (Fre)
[Late damages after diagnostic use of thorotrast: intestinal stenosis after salpingography] Moser R, et al. Schweiz Med Wochenschr 100:940-3, 30 May 70 (Ger)
[Severe pelvic fracture with rectal rupture and fatal hemorrhage] Fennwarth B. Zentralbl Chir 96:190-2, 30 Jan 71 (Ger)
[Rectal perforation by a foreign body] Lukaszewski H, et al. Wiad Lek 24:675-6, 1 Apr 71 (Pol)

FAMILIAL & GENETIC

Diffuse polyposis of the rectum and colon. Rivkin V. Am J Proctol 21:412-4, Dec 70

METABOLISM

Intracellular potassium in diffuse proctocolitis. Lockwood CM, et al. Lancet 1:889-91, 1 May 71

MICROBIOLOGY

[Pseudomonas aeruginosa (pyocyaneus) infection causing perforation of the rectum] Tóth C, et al. Orv Hetil 112:1285-6, 30 May 71 (Hun)

OCCURRENCE

Anal venereal diseases in two practices. (1958-1968). Rivoire J, et al. Am J Proctol 22:189-90, Jun 71
[Clinical picture, diagnosis and treatment of acite diseases of the colon and rectum] Zlatarski G, et al. Khirurgiia (Sofiia) 22:429-37, 1969 (Bul)
[Ano-rectal pathology in Africans (apropos of 1,000 cases)] Piquard B, et al. Bull Soc Med Afr Noire Lang Fr 15:80-91, 1970 (Fre)

PATHOLOGY

[Rectal biopsy in chronic ulcerative colitis] Pérez Fernández E, et al. Rev Esp Enferm Apar Dig 32:857-72, 15 Dec 70 (Spa)

RADIOGRAPHY

Radio-cinematographic examination of the rectum and the anal canal in cases of rectal constipation. A radio-cinematographic and physical explanation of dyschezia. Kerremans R. Acta Gastroenterol Belg 31:561-70, Aug-Sep 68

SURGERY

Benign rectal stricture treated with "pull through" surgery. Holbraad L, et al. Acta Chir Scand 136:731-3, 1970
Aseptic single layer anastomosis of the bowel. A review of one hundred seventy-five cases. Peters HE Jr, et al. Am J Surg 122:159-63, Aug 71
Diverting ileostomy or colostomy in the management of Crohn's disease of the colon. McIlrath DC. Arch Surg 103:308-10, Aug 71
Colostomy in radiation-induced rectal stricture. Chaitin H. Dis Colon Rectum 14:145-6, Mar-Apr 71
Management of the vaginal vault after vaginal hysterecomy. Problem of recurrent rectocele. Papaloucas A, et al. Int Surg 54:458-61, Dec 70
Scrotal flap repair of neo-rectal stenosis following the Gersuny procedure. Secrest AJ, et al. J Urol 104:557-8, Oct 70
[Continence following ano-rectal surgery] Gemsenjäger E. Schweiz Med Wochenschr 100:1250-1, 11 Jul 70 (Ger)
[Sphincteromanometric evaluations after simple prostatectomy and amputation of the rectum with an abdominal perineal approach] Salvini A, et al. Arch Ital Urol Nefrol 42:29-50, 1969 (Ita)
[Caudal anesthesia in proctology] Heidenreich A, et al. Prensa Med Argent 57:646-50, 29 May 70 (Spa)
[Perineal complications in rectal surgery] Lembrande RO. Prensa Med Argent 57:617-21, 29 May 70 (Spa)
[Uuse of Analgesor with self-administered methoxyflurane in painful proctological conditions] Gama AH, et al. Rev Bras Anestesiol 20:469-76, Oct-Dec 70 (Spa)
[Preoperative infiltration in proctologic surgery] De los Rios E. Rev Esp Enferm Apar Dig 34:485-8, 1 Jun 71 (Spa)

THERAPY

[What should not be done in proctology] Milstein J. Therapeutique 45:197-9, Feb 69 (Fre)
[Intracavitary emitter for microwave therapy] Livenson AR, et al. Nov Med Priborostr 3:72-4, 1967 (Rus)

VETERINARY

"Foreign" body in a poodle. Harrison VA. Vet Rec 89:104, 17 Jul 71

RECTAL FISTULA (C4)

[Anorectal fistulae] Musiari J, et al. Prensa Med Argent 57:638-9, 29 May 70 (Spa)

CLASSIFICATION

[Classification of rectal fistulas] Tuĭdzhanov KhK. Vestn Khir 106:46-52, Apr 71 (Rus)

COMPLICATIONS

[Visceral gangrene of endogenous origin] Trembiay L, et al. Union Med Can 97:759-61, Jun 68 (Fre)
[Carcinomas developed on chronic ano-rectal fistula] Rimondi C, et al. Cancro 22:451-4, 1969 (Ita)
[Planoepithelial carcinoma in a chronic ischiorectal fistula] Ciesfik R. Wiad Lek 23:1921-3, 1 Nov 70 (Pol)

EMBRYOLOGY

A study of the surgical anatomy of congenital rectobulbar fistula. Kitchen PR. Aust NZ J Surg 40:248-52, Feb 71

ETIOLOGY

[Tuberculous pyosalpinx fistulization in the recum] Wahl P. Bull Fed Soc Gynecol Obstet Lang Fr 21:476-7, Sep-Oct 69 (Fre)

RADIOGRAPHY

[A new device for anorectal fistulography] Tuĭdzhanov KhK. Eksp Khir Anesteziol 15:40-2, Jul-Aug 70 (Rus)
[Contrast media used in anorectal fistulography] Tuĭdzhanov KhK. Vestn Rentgenol Radiol 45:100-2, Sep-Oct 70 (Rus)

SURGERY

Rectal flap repair of prostatorectal fistula. Beneventi FA, et al. Surg Gynecol Obstet 133:489-92, Sep 71
[Surgical treatment of rectal fistula] Kapitan VP. Klin Khir 9:39-42, Sep 69 (Rus)
[Therapy of high anorectal fistulas] Kartavin VA, et al. Klin Khir 10:77-8, Oct 69 (Rus)
[Choice of methods of anesthesia in the treatment of acute paraproctitis and pararectal fistula] Selivanov VI, et al. Klin Khir 8:49-50, Aug 70 (Rus)
[Length of time of temporary disability following surgery for rectal fistulae] Khostikoev GZ, et al. Sov Med 33:106-8, Jul 70 (Rus)
[Surgery of horse-shoe shaped fistulas of the rectum] Nazarov LU, et al. Vestn Khir 105:49-53, Jul 70 (Rus)

RECTAL NEOPLASMS (C2)

Primary linitis plastica of the colon and rectum. Andersen JA. Acta Pathol Microbiol Scand [A] 78:277-83, 1970
Polyps of the colon and rectum. Calvillo Ayala D. Am J Gastroenterol 55:66-71, Jan 71
Profiles in OPD nursing. A rectal and colon service. Horowicz C. Am J Nurs 71:114-6, Jan 71
Rectosigmoidal polyadenomas: predestination or malignant transformation (degeneration). Potet F, et al. Am J Proctol 22:182-3, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Endometriosis of the rectum. As an incidental finding during a gynecological operation. A case report. Yadoo S, et al. Am J Proctol 22:126-8, Apr 71
Lipoma of the rectum. Two case reports. Yadoo S, et al. Am J Proctol 22:120-2, Apr 71
Carcinoma of the rectum. A retrospective study of 747 cases diagnosed in Finland in 1953-1956. Husa A. Ann Chir Gynaecol Fenn 59:Suppl 171:1+, 1970
Basaloid tumors of anal region. De Freitas GF. Ariz Med 28:105-10, Feb 71
Leiomyosarcoma of the rectum. Somervell JL, et al. Br J Surg 58:144-6, Feb 71
Retrorectal tumours. Br Med J 3:265-6, 31 Jul 71
Carcinoid of the rectum. Sherman RT. Curr Probl Surg 31-6, Nov 70
Re-evaluation f the merit of the liver scan in the management of patients with cancer of te colon and rectum. Gennaro AR, et al. Dis Colon Rectum 14:43-5, Jan-Feb 71
Carcinoid tumors of the rectum. Pon JL, et al. Dis Colon Rectum 14:46-56, Jan-Feb 71
Carcinoma of the colon and rectum. Rowe RJ, et al. Dis Colon Rectum 14:81-107, Mar-Apr 71
Polyps of the rectum and colon. Potet F, et al. Gut 12:468-82, Jun 71
Metastatic tumours of the tonsil. Sellars SL. J Laryngol Otol 85:289-92, Mar 71
Ten commandments for improving survival. Bacon HE. Pa Med 74:59-62, Feb 71
Post-rectal carcinoma. Bracey DW. Proc R Soc Med 63:965, Sep 70
Experimental studies of factors causing blood-borne dissemination in cancer of the colon and rectum. McKinna JA, et al. Proc R Soc Med 64:569-70, May 71
Carcinoid tumors of the rectum in children: a review of the literature and report of a case. Gold MS, et al. Surgery 69:394-6, Mar 71
Recurrent colorectal carcinoma: detection, treatment, and other considerations. Polk HC Jr, et al. Surgery 69:9-23, Jan 71
[Malignant lymphomas invading the rectum: report of three cases--including a case of Brill-Symmers disease--starting from the rectosigmoid loop] Paulet P, et al. Acta Gastroenterol Belg 32:684-93, Sep 69 (Fre)
[Polyps and cancer] Alexandre HJH. Ann Chir 25:622-5, Jun 71 (Fre)
[Notes concerning rectocolic polyps and polyposiss] Chome J. Ann Chir 25:589, Jun 71 (Fre)
[Polyps in the adult (statistics; therapeutic indications; results)] Depadt G, et al. Ann Chir 25:611-5, Jun 71 (Fre)
[So-called solitary rectocolic polyps in the infant (apropos of 700 cases)] Duhamel J, et al. Ann Chir 25:615-7, Jun 71 (Fre)
[Rectocolic polyps and polyposis. Anatomopathologic study] Dupont A. Ann Chir 25:585-8, Jun 71 (Fre)
[Rectocolic polyps and cancer] Edelmann G. Ann Chir 25:627, Jun 71 (Fre)
[Rectosigmoid hypersecreting villous tumors. (Apropos of 2 cases)] Guénin P, et al. Ann Chir 25:453-62, May 71 (Fre)
[Etiology and diagnosis of rectocolic polyps and polyposis] Paris J, et al. Ann Chir 25:593-6, Jun 71 (Fre)
[Diffuse rectocolic polyuposis. (Statistics of the Clinic of Professor Francilion, Hôpital Edouard Herriot, 69-Lyon)] Vignal J. Ann Chir 25:637-8, Jun 71 (Fre)
[Colonic and rectal polyps in the adult] Vignal J. Ann Chir 25:606-8, Jun 71 (Fre)
[Rectocolonic adenoma: nosology and prognosis] Soullard J, et al. Ann Med Interne (Paris) 122:175-90, Feb 71 (Fre)
[Rectocolic polyposis] Laurent JC. J Chir (Paris) 101:467-504, May-Jun 71 (Fre)
[Rectal and sigmoid polyps] Maffioli C, et al. Maroc Med 50:146-52, Mar 70 (Fre)
[For amodern approach to hepatic metastases of colonic and rectal cancer] Pettavel J, et al. Praxis 59:443-5, 24 Mar 70 (Fre)
[Digestive localizations of myeloid leukosis] Grivaux M, et al. Sem Hop Paris 47:1201-4, 14 Apr 71 (Fre)
["Juvenile" polyps of the rectum] Prechtel K. Munch Med Wochenschr 112:102-4, 16 Jan 70 (Ger)
[Significance of rectal polyps in general practice] Wenzel R, et al. Z Allgemeinmed 46:1796-7, 31 Dec 70 (Ger)
[Cloacogenic carcinoma arising in an enterogenous cyst of the anorectal junction] Baruzzi G, et al. Arch Ital Anat Istol Patol 42:474-84, 1969 (Ita)
[Polyposis of the stomach and large intestine, with special reference to their malignant transformation. Clinical case] Aulisa B, et al. Minerva Chir 26:554-61, 31 May 71 (Ita)
[Recto-colic polyposis in children (case contribution)] Zanda G, et al. Riv Clin Pediatr 81:518-28, Jul-Aug 68 (Ita)
[Early cancer of the large intestine, including cancer of the rectum] Goto M. J Jap Soc Coloproctol 24:36-8, Jul 71 (Jap)
[Early cancer of the large intestine] Yasutomi M. J Jap Soc Coloproctol 24:38-40, Jul 71 (Jap)
[Treatment of metastases to the liver in the course of sigmoid and rectal cancer] Meyza J, et al. Pol Tyg Lek 25:1748-50, 16 Nov 70 (Pol)
[Intra-portal infusion of 5-fluorouracil for metastasis of rectal cancer into the liver] Gofman AM, et al. Klin Khir 12:35-8, Dec 70 (Rus)
[Lymphography and intralymphatic infusion of chemotherapeutic drugs in tumor patients] Laletin VG. Vopr Onkol 17:96-100, 1971 (Rus)
[Rectal neoplasms (clinical picture, diagnosis and treatment according to data in the literature covering 1962-1969)] Rivkin VL, et al. Vopr Onkol 17:95-106, 1971 (105 ref.) (Rus)
[Colo-rectal polyps. Current criteria] Maya A. Rev Esp Enferm Apar Dig 34:455-62, 1 Jun 71 (Spa)

BLOOD

An unusual type of spiculated erythrocyte in metastatic liver disease and hemolytic anemia. Report of a case. Keller JW, et al. Ann Intern Med 74:732-7, May 71
[Tumor cells in the blood in rectal cancer] Gofman AM, et al. Vestn Khir 105:44-7, Dec 70 (Rus)

CHEMICALLY INDUCED

Carcinoma of the colon and rectum of rats by rectal infusion of N-methyl-N'-nitro-N-nitrosoguanidine. Narisawa T, et al. Gann 62:231-4, Jun 71

CLASSIFICATION

[Nosologic study of rectocolic polyps. (Therapeutic deductions)] Malafosse M, et al. Ann Chir 25:628-36, Jun 71 (Fre)
[Lymphatic metastasis and depth of tumor infiltration in the intestinal wall in rectal cancer following radical surgery--trial in classification according to stages] Hirose M, et al. Jap J Cancer Clin 17:254-60, Apr 71 (Jap)

COMPLICATIONS

Obstruction and perforation in colo-rectal cancer. Glenn F, et al. Ann Surg 173:983-92, Jun 71
Posterior mediastinal goitre with carcinoma of rectum. Langdon AA. Br J Surg 58:152-3, Feb 71
Cancer and ulcerative colitis. Aylett S. Br Med J 2:203-5, 24 Apr 71
Functioning villous adenoma of the rectum. Blight WJ, et al. Can Med Assoc J 104:65, 9 Jan 71
Obstipation in an infant. Holder TM. Clin Pediatr (Phila) 10:293, May 71
Acquired hypertrichosis lanuginosa. Chadfield HW, et al. Trans St Johns Hosp Dermatol Soc 56:30-4, 1970
[A case of degenerated villous tumor of the rectum with water-electrolyte loss and ion unbalance] Nicaise H, et al. Arch Fr Mal App Dig 59:827-8, Dec 70 (Fre)
[Urinary effects of cancers of the rectum and their treatment] Brizon J, et al. Bull Mem Soc Chir Paris 60:155-60, 1970 (Fre)
[Low intestinal hemorrhages] Moisse R. Rev Med Liege 22:470, 15 Aug 67 (Fre)
[Delayed metastasis of rectal cancer with anemia] Oger A, et al. Rev Med Liege 26:316-7, 1 May 71 (Fre)
[Case of a so-called benign lymphoid polyp of the rectum associated to carcinoma of the sigmoid] Magaldi R, et al. Osp Ital Chir 22:177-82, Mar-Apr 70 (Ita)
[Planoepithelial carcinoma in a chronic ischiorectal fistula] Ciedlik R. Wiad Lek 23:1921-3, 1 Nov 70 (Pol)

DIAGNOSIS

Fibroma of rectum simulating malignant tumor. Case report. Yadoo S, et al. Am J Proctol 22:105-7, Apr 71
Malignant melanoma presenting as peri-anal abscess. Yadoo S, et al. Am J Proctol 22:108-10, Apr 71
Correlation of the prognosis of obstructing colorectal carcinoma with clinical and pathologic variables. Ragland JJ, et al. Am J Surg 121:552-6, May 71
Clues to identifying colorectal cancers which do or do not tend to metastasize to lymph nodes. Spratt JS Jr, et al. CA 21:32-5, Jan-Feb 71
Clinical features of carcinoma of the rectum. Menda RK. Indian J Cancer 7:52-9, Mar 70
Tuberculosis of gastroin-intestinal tract: with special reference to rectal tuberculosis. Gupta OP, et al. Indian J Med Res 58:979-84, Aug 70
Diagnostic usefulness of rectal biopsy. Dobbins WO 3d. Med Ann DC 40:223-6, Apr 71
Cancer of the prostate simulating cancer of the rectum: the digital dilemma. Report of three cases. Stein CA, et al. Med Ann DC 40:162-4, Mar 71
Unusual smooth muscle tumour of the rectum. Prinn MG. Proc R Soc Med 63:965-6, Sep 70
[Special problems caused by rectal and colonic polyps in the infant] Lacheretz M, et al. Ann Chir 25:617-9, Jun 71 (Fre)
[Contribution of endoscopy to rectocolic polyps and polyposis in the adult] Simon C. Ann Chir 25:597-601, Jun 71 (Fre)
[Apropos of the report of Guy and Monique Albot: Symptomatic perilesionnal mucous folds, their significance and histo-pathological substratum] Gutmann RA. Ann Med Interne (Paris) 122:39-40, Jan 71 (Fre)
[The perilesional mucosal fold of rectal carcinoma, at onset; its significance and its histo-pathological findings] Parturier-Albot M, et al. Ann Med Interne (Paris) 121:1001-8, Dec 70 (Fre)
[Colo-rectal cancers revealed by a metastasic graft in an anal fistula (3 cases)] Marchal G, et al. Arch Fr Mal App Dig 59:815-6, Dec 70 (Fre)
[Impedance of the recto-sigmoidal mucosa measured by endoscopy in the diagnosis of rectal neoplasms] Setka J, et al. Arch Fr Mal App Dig 58:477-82, Jul-Aug 69 (Fre)
[Value of systematic rectosigmoidoscopy in detection of rectal cancer] Muller CA. Lyon Chir 65:706-12, Sep-Oct 69 (Fre)
[Disorders of the ano-genito-urinary sphere revealed by mental imagery] Donnars J. Riv Sper Freniatr 94:1282-91, 31 Oct 70 (Fre)
[Pathogenesis of the mucous folds adjoining cancers of the rectum at onset] Parturier-Albot M, et al. Sem Hop Paris 47:485-93, 14 Feb 71 (Fre)
[Patients with inoperable rectal carcinoma. Clinical picture and prognosis] Böttger G, et al. Munch Med Wochenschr 112:2023-6, 6 Nov 70 (Ger)
[Early cancer of the colon and rectum] Yamada S. Jap J Cancer Clin 16:1151-60, 1970 (Jap)
[Rectal cancer] Shibata K, et al. Surg Ther (Osaka) 24:88-96, Jan 71 (Jap)
[Diagnostic and therapeutic difficulties in cases of multiple carcinoma of rectosigmoid] Zurakowski W, et al. Pol Przegl Chir 43:211-5, Feb 71 (Pol)
[Appendicular infiltrate simulating a rectal tumor] Elistratov VA. Khirurgiia (Mosk) 46:127, Oct 70 (Rus)
[Early diagnosis of rectal cancer] Ryzhikh AN, et al. Khirurgiia (Mosk) 45:102-5, Sep 69 (Rus)
[Clinical value of indirect radioisotope lymphography in determining the degree of progression of rectal cancer] Dubovyĭ ED, et al. Klin Khir 4:52-7, Apr 70 (Rus)
[Differential diagnosis of rectal and sigmoid cancer and acute dysentery and entercolitis] Petrov VP. Klin Med (Mosk) 48:111-4, Oct 70 (Rus)
[Hemangioa of the rectum in a 3-year-old boy] Solovko AIu. Pediatriia 50:80-1, Mar 71 (Rus)
[Rectal-sigmoid endometriosis. Apropos of 3 cases] Garcia Diaz S, et al. Rev Esp Enferm Apar Dig 33:401-14, 15 Feb 71 (Spa)
[The risk of overlooking intestinal cancer in diagnosing other abdominal diseases] Sjödahl R. Lakartidningen 68:2917-20, 16 Jun 71 (Swe)
[Problem: rectal neoplasm] Keros P. Lijec Vjesn 92:129-30, 1970 (Cro)

DRUG THERAPY

[Local intra-arterial infusion chemotherapy of malignant tumor--successful treatment by intra-arterial infusion of 5-fluorouracil and mitomycin C in cases of unresectable cancer of the liver, stomach, colon and rectum] Miura T, et al. Naika 27:1275-84, Jun 71 (Jap)
[Chemotherapy of cancer of the rectum and the colon] Meyza J. Pol Tyg Lek 25:1757-9, 16 Nov 70 (40 ref.) (Pol)
[Pathologic anatomy of rectal cancer treated by intra-arterial administration of 5-fluouracil] Rottenberg VI, et al. Arkh Patol 32:35-9, 1970 (Rus)
[5-fluorouracil concentration in the blood of patients with rectal cancer following regional drug administration] Smolianskaia AZ, et al. Vopr Onkol 16:33-8, 1970 (Rus)

ENZYMOLOGY

Enzyme cytochemical and isoenzyme studies of normal and diseased rectal mucosa. Klein UE, et al. Am J Proctol 21:346-51, Oct 70

ETIOLOGY

Rectal reaction following radiation therapy of cervical carcinoma: particular reference to subsequent occurrence of rectal carcinoma. MacMahon CE, et al. Ann Surg 173:264-9, Feb 71
Ulcerative colitis and rectal carcinoma. Goligher JC, et al. Br Med J 2:402, 15 May 71
Cancer risk and life expectancy of children with ulcerative colitis. Devroede GJ, et al. N Engl J Med 285:17-21, 1 Jul 71
[Carcinomas developed on chronic ano-rectal fistula] Rimondi C, et al. Cancro 22:451-4, 1969 (Ita)
[Diffuse polyposis of the large intestine] Kartashev SZ. Vestn Khir 103:45-9, Nov 69 (Rus)

FAMILIAL & GENETIC

Carcinoma of the large intestine with survival in a child of nine and in his father. A study of carcinoma of the colon with particular reference to children. Pemberton M. Br J Surg 57:841-6, Nov 70
Familial polyposis of the colon with special reference

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

to regression of rectal polyposis after subtotal colectomy. Shepherd A. Br J Surg 58:85-91, Feb 71
The cancer-family syndrome and heritable solitary colonic polyps. Smith WG.
Dis Colon Rectum 13:362-7, Sep-Oct 70
[Degenerate familial rectocolic polyposis: htree cases] Bories-Azeau A, et al. Ann Chir 25:646-9, Jun 71 (Fre)
[Genetic considerations on rectocolic polyposiss] Deminatti M. Ann Chir 25:591-3, Jun 71 (Fre)
[Diffuse rectocolic polyposis. Study of a familial case] Prevost AG, et al. J Sci Med Lille 89:51-8, Feb 71 (Fre)

IMMUNOLOGY

Unusual albumin agglutinating property in the serum of a Japanese female patient with rectal cancer. Yamate E, et al. Hiroshima J Med Sci 19:159-61, Dec 70
[Attempt to detect antitumor antibodies in the serum of cancer patients using the indirect hemagglutination reaction] Ponizovskif MR.
Biull Eksp Biol Med 70:81-2, Aug 70 (Rus)

METABOLISM

Mucosubstances in neoplasms of the human colon and rectum. Subbuswamy SG. Gut 12:200-7, Mar 71

MORTALITY

Survivorship following treatment for cancer of the colon and rectum. MacLeod JH, et al.
Cancer 26:1225-31, Dec 70
[Considerations on the factors of 5-year survival in cancer of the rectum] Eudel F.
Bull Mem Soc Chir Paris 60:164-8, 1970 (Fre)
[Duration of survival in cancer of the rectum (apropos of 200 cases)] Levrat M, et al.
Rev Lyon Med 17:483-9, 15 Jun 68 (Fre)

NURSING

A time to live and a time to die. Henry C.
Nurs Times 67:1016-8, 19 Aug 71

OCCURRENCE

Ethnic differences in occurrence of rectal polyposis in over 6,000 proctoscopies. Eichhorn RD, et al.
Am J Dig Dis 16:433-5, May 71
Analytical study of a statistical survey covering 200 rectocolon adenomas in adults. Duhamel J, et al.
Am J Proctol 22:196-202, Jun 71
Carcinoma of he stomach, colon, and rectum. A survey of 772 surgical biopsies from Malaya. King M, et al.
Br J Surg 58:123-6, Feb 71
Epidemiology of large-bowel cancer.
Lancet 1:120, 16 Jan 71
Carcinoma of the colon and rectum at the University Hospital, Jamaica. Walrond ER, et al.
West Indian Med J 18:152-60, Sep 69

PATHOLOGY

Heterotransplantation of human adenocarcinomas of the colon and rectum to the mouse mutant Nude. A study of nine consecutive transplantations. Povlsen CO, et al.
Acta Pathol Microbiol Scand [A] 79:159-69, 1971
Heterotopic gastric epithelium in the rectum: a report of three new cases with a review of 87 cases of gastric heterotopia in the alimentary canal. Wolff M.
Am J Clin Pathol 55:604-16, May 71
Hepatic calcification in cancer of the large bowel. Green PA, et al. Am J Gastroenterol 55:466-70, May 71
The pathology and treatment of polyps of the colon and rectum. McColl I.
Ann R Coll Surg Engl 47:245-59, Nov 70
Malignant granular cell tumor. Histochemical and electron microscopic study. al-Sarraf M, et al.
Arch Pathol 91:550-8, Jun 71
Behaviour of the rectal juvenile polyp in vitro. Römer H, et al. Gut 12:194-6, Mar 71
Leiomyoma and leiomyosardcoma of the rectum. Burnikel RH, et al.
J Indiana State Med Assoc 63:1181-4, Oct 70
[Linitis plastica in the colon and the rectum] Andersen JA, et al. Ugeskr Laeger 133:406-8, 5 Mar 71 (Dan)
[Anorectal melanoma] Degrell I, et al.
Orv Hetil 111:2054-7, 30 Aug 70 (Hun)
[On a case of villous tumor of the rectum and sigmoid developed in polyposis] Tirelli G, et al.
Minerva Gastroenterol 16:136-41, Jul-Sep 70 (Ita)
[Cancer of the rectum in pregnancy] Ambrosini A, et al.
Riv Ital Ginecol 53:322-35, Apr 69 (Ita)
[Case of carcinoid of the rectum] Oara K, et al.
Jap J Cancer Clin 16:955, Sep 70 (Jap)
[Pathologic anatomy of rectal cancer treated by intra-arterial administration of 5-fluoruracil] Rottenberg VI, et al. Arkh Patol 32:35-9, 1970 (Rus)
[Villous tumor of the rectum] Sementsov PN.
Arkh Patol 32:78, 1970 (Rus)
[Anorectal melanoma] Palma F.
Rev Esp Enferm Apar Dig 32:179-84, Aug-Sep 70 (Spa)

PHYSIOPATHOLOGY

The natural history of adenomatous rectal polyps. Achord JL, et al. South Med J 63:1464, Dec 70

RADIOGRAPHY

Villous tumors of the large bowel. Lindner AE, et al.
Am J Gastroenterol 54:509-11, Nov 70
The angle prone projection: its value in diagnosis of low-lying lesions. Wener L.
Am J Roentgenol Radium Ther Nucl Med 110:393-8, Oct 70
Asymptomatic polyps of the colon and rectum. 3. Proximal and distal polyp relationships. Drexler J.
Arch Intern Med 127:466-9, Mar 71
Villous adenoma of the rectum. Kurtzman RS.
Mich Med 69:770, Sep 70
[Rectocolic polypss and polyposis. (Contribution of radiology)] Bard M. Ann Chir 25:603-4, Jun 71 (Fre)
[Rectal cancer arteriography] Rey M, et al.
Arch Fr Mal App Dig Suppl 9:5-15, Sep 69 (Fre)
[Radiologic aspect of rectocolonic lymphoma] Jacobs E, et al. J Belge Radiol 54:31-6, Jan-Feb 71 (Fre)
[Recto-sigmoid hemangiomatosis] Goldlust D, et al.
J Radiol Electrol Med Nucl 52:108-11, Jan-Feb 71 (Fre)
[Villous tumor of the recto-sigmoid junction. Value of radiologic study by oblique rays] Lescut J, et al.
Sem Hop Paris 46:2627-9, 14 Oct 70 (Fre)
[Pre- and postoperative use of lymphographic findings in recto-sigmoid cancer] Oliveri M, et al.
Minerva Radiol 14:294-303, Jul-Aug 69 (Ita)
[Direct lymphography: diagnostic possibilities of lymphography in rectal cancer] Miyashita F.
J Jap Soc Coloproctol 24:3-4, Jul 71 (Jap)
[X-ray diagnosis in endometriosis of the rectum and large intestine] Shniger NU.
Akush Ginekol (Mosk) 46:16-8, Aug 70 (Rus)
[Transosseous pelvic phlebography in cancer of the rectum] Ovchinnikov VA.
Khirurgiia (Mosk) 45:108-14, Sep 69 (Rus)
[Significance of lymphography and pararectopneumography in establishing the operability of rectal cancer] Pasechnik PI, et al.
Klin Khir 12:38-42, Dec 70 (Rus)
[Roentgenodiagnosis of early forms of cancer of the rectum and large intestine] Shniger NU.
Vestn Rentgenol Radiol 45:50-8, Sep-Oct 70 (Rus)
[Clinical and roentgen diagnosis of sarcoma of the rectum and large intestine] Shniger NU, et al.
Vopr Onkol 16:28-33, 1970 (Rus)

RADIOTHERAPY

[Position and role of radiotherapy in the treatment of rectal cancer] Rubeš R.
Cesk Radiol 25:26-31, Jan 71 (Cze)
[Cobalt therapy in rectal cancer] Rousseau J, et al.
Arch Fr Mal App Dig Suppl 9:49-66, Sep 69 (Fre)
[Treatment of rectal cancer (a series of 127 cases)] Gary-Bobo J, et al.
J Radiol Electrol Med Nucl 50:722-4, Oct 69 (Fre)
[Endocavitary irradiation of cancer of the rectum] Papillon J, et al.
J Radiol Electrol Med Nucl 51:682-3, Nov 70 (Fre)
[Radiotherapy of rectal carcinoma] Fornusek AH, et al.
Strahlentherapie 139:271-9, Mar 70 (Ger)
[Prognosis of rectal carcinoma treated initially with 60Cobalt gamma and ultrahigh betatron roentgen irradiation] Geginat G.
Strahlentherapie 141:375-80, Apr 71 (Ger)
[The effect of radiotherapy on the microflora of the skin and intestine of patients with cancer of the rectum] Kochetkova VA, et al.
Med Radiol (Mosk) 16:15-20, Mar 71 (Rus)
[The role of radioactive lymphography in the complex treatment of rectal cancer with lymph node metastases] Fain SN, et al.
Vopr Onkol 16:32-8, 1970 (Rus)
[Endolymphatic radiotherapy in perineal recurrence of cancer of the rectum] Grandval CM, et al.
Prensa Med Argent 57:629-32, 29 May 70 (Spa)
[The compatibility of radiotherapy and surgical treatment of cancer of the rectum] Paviov A, et al.
Rev Esp Enferm Apar Dig 34:481-4, 1 Jun 71 (Spa)

SURGERY

Endorectal ("pull-through") resection for tumours of the rectum. Wenckert A.
Acta Chir Scand 136:337-9, 1970
Synchronous extirpation in cancer of the rectum. Aleksandrov VB. Am J Proctol 21:415-7, Dec 70
The problem of anal continence in surgery for cancer of the rectum. Toupet A. Am J Proctol 22:187-8, Jun 71
Results of treatment of colorectal cancer at the Peter Bent Brigham Hospital from 1960 to 1965. Botsford TW, et al. Am J Surg 121:398-402, Apr 71
Cancer of the colon and rectum. Colcock BP.
Am Surg 37:12-4, Jan 71
Carcinoma of the colon and rectum in patients up to 25 years of age. Ferguson E Jr, et al.
Am Surg 37:181-9, Apr 71
Villous tumors: experience with 217 patients. Hanley PH, et al. Am Surg 37:190-7, Apr 71
Use of triethylenethiophosphoramide as an adjuvant to the surgical treatment of gastric and colorectal carcinoma: ten-year follow-up. Dixon WJ, et al.
Ann Surg 173:26-39, Jan 71
Carcinoma of the rectum and the rectosigmoid. A review of 729 cases. Zollinger RM, et al.
Arch Surg 102:335-8, Apr 71
Treatment of carcinoma of the large intestine 1939-1968. Butler EC. Br J Surg 58:29-32, Jan 71
Preparation of the intestine in patients undergoing major large-bowel surgery, mainly for neoplasms of the colon and rectum. Rosenberg IL, et al.
Br J Surg 58:266-9, Apr 71
Aftermath of surgery for anorectal cancer. Devlin HB, et al. Br Med J 3:413-8, 14 Aug 71
Carcinoma of colon and rectum with reference to longterm survival. Thompson HL.
Bull Soc Int Chir 29:81-4, Mar-Apr 70
Combined abdominoperineal excision for cancer of the rectum: primary suture of the perineal incision with continuous suction. McLachlin AD, et al.
Can J Surg 13:350-3, Oct 70
Care of the perineal wound after excision of the rectum. Schofeld PF.
J R Coll Surg Edinb 15:287-9, Sep 70
Treatment of colorectal cancer. Lancet 2:537, 4 Sep 71
Abdomino-perineal resection in a Jehovah Witness. Case report. Schneider TA. Mo Med 68:395-6, Jun 71
Vaginal reconstruction folowing extended abdominoperineal resection. Cocke WM, et al.
Plast Reconstr Surg 46:372-4, Oct 70
Low carcinoma of rectum treated by abdomino-anal pull-through. Kirkham JS, et al.
Proc R Soc Med 64:39-40, Jan 71
The place of local resection in the treatment of rectal carcinoma. Mason AY.
Proc R Soc Med 63:1259-62, Dec 70
The use of low anterior resection in the management of carcinoma of the colon and rectum. Beahrs OH.
S Afr J Surg 8:5-11, 1970
The evolution and current status of anterior resection for carcinoma of the rectum. Kurzweg FT.
South Med J 64:996-9, Aug 71
Recurrent carcinoma of the perineum after abdominoperineal resection. Burg R, et al.
Surg Gynecol Obstet 133:390-2, Sep 71
Abdominal-transsacral resection and anastomosis for midrectal carcinoma. Localio SA.
Surg Gynecol Obstet 132:123-7, Jan 71
Epidermoid carcinoma of the anorectum. Stearns MW Jr, et al. Surg Gynecol Obstet 131:953-7, Nov 70
[Urological complications of abdomino-perineal extirpation of the rectum] Thorsoe H.
Ugeskr Laeger 133:739-43, 23 Apr 71 (Dan)
[Some landmarks in the surgery of the recto-colon] Coulemans G. Acta Chir Belg 69:132-8, Feb 70 (Fre)
[Local resection of cancers in the lower part of the rectal ampulla and the anal canal: indications and results] Cahen J, et al.
Acta Gastroenterol Belg 33:622-31, Aug-Sep 70 (Fre)
[Place of ileo-anal anastomosis after total rectocolectomy for rectocolic polyposis] Bousquet R.
Ann Chir 25:645-6, Jun 71 (Fre)
[Rectocolic polyposis (sstatistics;therapeutic indications; resultss)] Cossa JF, et al.
Ann Chir 25:643, Jun 71 (Fre)
[Surgical treatment of rectocolic polyps] Houdard C, et al. Ann Chir 25:609-11, Jun 71 (Fre)
[The place of the rectum conservation in familial diffuse rectocolic polyposis] Julien M.
Ann Chir 25:644-5, Jun 71 (Fre)
[Rectocolic polyposis (statistics; therapeutic indications; results). (Apropose of 33 cases)] Lagache G, et al. Ann Chir 25:638-42, Jun 71 (Fre)
[Treatment of colonic polyps] Monod-Broca P.
Ann Chir 25:621-2, Jun 71 (Fre)
[Surgical treatment of rectal cancer] Francillon J, et al.
Arch Fr Mal App Dig Suppl 9:67-72, Sep 69 (Fre)
[366 cases of cancer of the rectum] Barsotti J.
Bull Mem Soc Chir Paris 60:128-46, 1970 (Fre)
[Treatment of cancer of the rectum (last 10 years' statistics)] Roy B.
Bull Mem Soc Chir Paris 60:147-54, 1970 (Fre)
[Repercussion on the urinary apparatus of surgical treatment of rectal and rectosigmoid cancer] Schaad P. Bull Mem Soc Chir Paris 59:95-106, 1969 (Fre)
[Repercussion on the urinary apparatus of the surgical treatment of rectal and recto-sigmoid cancer] Schimmel.
Bull Mem Soc Chir Paris 59:245-51, 1969 (Fre)
[Impact of colonoscopy and pathology on the surgical tactics in colonic and rectal polyps] Francillon J, et al.
Chirurgie 97:322-31, 1971 (Fre)
[Reaction by abdominal approach (so-called anterior resection) in cancers of the upper rectum and of the recto-sigmoidian junction. Study of 114 cases] Mouchet A, et al. Chirurgie 96:805-13, 28 Oct 70 (Fre)
[Anterior resection of the rectum (95 cases)] Olivier C, et al. Chirurgie 96:814-8, 28 Oct 70 (Fre)
[Treatment of recto-colonic cancer] Calame A.
Praxis 59:175-7, 3 Feb 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Amputation of the rectum against Babcock's method] Mouchet A, et al. Presse Med 79:11-3, 2 Jan 71 (Fre)
[Results of surgery for rectal neoplasms] Overbeck W, et al. Bruns Beitr Klin Chir 218:338-45, Nov 70 (Ger)
[Syndrome following rectum resection. Postproctectomy syndrome] Oeser H, et al. Dtsch Med Wochenschr 96:973-6 concl, 4 Jun 71 (Ger)
[Results of surgical therapy of rectal carcinoma] Bünte H, et al. Med Monatsschr 24:441-4, Oct 70 (Ger)
[Changes of the circulating blood volume in oncological patients during surgery] Fadeev NP, et al. Radiobiol Radiother (Berl) 11:411-7, 1970 (Ger)
[Transanal electroresection in rectal carcinoma] Jenny M, et al. Schweiz Med Wochenschr 101:762-3, 22 May 71 (Ger)
[Anterior resection of the rectum with use of the KZ-28 suture apparatus] Fain AS, et al. Zentralbl Chir 96:59-62, 9 Jan 71 (Ger)
[Total surgery of rectal neoplasm] Jorns G. Zentralbl Chir 95:1137-41, 26 Sep 70 (Ger)
[Possibilities of formation of sigmoid neovagina during pelvic evisceration] Candiani GB, et al. Ann Ostet Ginecol 91:541-52, Aug 70 (Ita)
[Urination disorders caused by amputation of the rectum by abdomino-perineal approach] Rossi R, et al. Arch Ital Urol Nefrol 42:430-54, 1969 (Ita)
[Surgery of cancer of the rectum with preservation of the sphincters. (Long-term follow-up of a group of 40 patients)] Parma A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:481-2, 1968 (Ita)
[Multiple polyposis of the colon and rectum] Azzolina P, et al. G Ital Chir 25:69-84, Jan 69 (Ita)
[Indications and results in the author's own surgical experience of recto-sigmoid neoplasms] Biancalana L. Minerva Chir 25:1473-6, 30 Nov 70 (Ita)
[Surgical treatment of colonic and rectal neoplasms] Colombo C, et al. Minerva Chir 26:393-9, 30 Apr 71 (Ita)
[Survival time following surgically treated rectal tumors in relation to preparation with cytostatics] Agresti A, et al. Rass Int Clin Ter 49:1073-6, 15 Sep 69 (Ita)
[Acute renal failure following laparotomy] Yano R, et al. Jap J Clin Pathol 18:865-72, Dec 70 (Jap)
[Surgery of cancer of the rectum] Akagi M, et al. Shujutsu 25:51-7, Jan 71 (Jap)
[Radical surgery of cancer of the rectum] Kajitani T, et al. Shujutsu 25:35-50, Jan 71 (Jap)
[Operative technic in rectal cancer] Nakayama K, et al. Surg Ther (Osaka) 24:253-9, Mar 71 (Jap)
[Combined abdominal and posterior approach in resection of the rectum in cases of cancer of the lower rectum, with special reference to the posterior approach] Shinoda M. Surg Ther (Osaka) 25:88-92, 1971 (Jap)
[Urinary tract examination in patients having undergone an abdomino-perineal amputation of the rectum for cancer] Kuśmierski S, et al. Pol Przegl Chir 43:1007-11, Jun 71 (Pol)
[Abdominal proctectomy for carcinoma] Piskorz A, et al. Pol Przegl Chir 43:617-22, 1971 (Pol)
[Results of surgical treatment of carcinoma of the colon and rectum] Piskorz A, et al. Pol Przegl Chir 43:475-82, Mar 71 (Pol)
[Extensive angioma of the colon and rectum of mixed structure] Reiss H, et al. Pol Przegl Chir 43:115-8, Jan 71 (Pol)
[Preservation of the sphincter in the radical excision of the rectum in cancer] Koszarowski T, et al. Pol Tyg Lek 25:1745-8, 16 Nov 70 (Pol)
[Urologic complications after surgery for rectal cancer] Apakova SA. Khirurgiia (Mosk) 45:114-20, Sep 69 (Rus)
[Vacuum aspiration in the treatment of the perineal wound following extirpation of the rectum] Inoiatov IM, et al. Khirurgiia (Mosk) 47:74-8, Jan 71 (Rus)
[Experience gained from 600 radical operations for cancer of the rectum] Kozhevnikov AI. Khirurgiia (Mosk) 46:3-7, Dec 70 (Rus)
[Is anterior resection of the rectum for cancer radical?] Aleksandrov VB, et al. Klin Khir 12:42-5, Dec 70 (Rus)
[Resection of the sigmoid and rectum for cancer with an end-to-side anastomosis thru the rectal stump] Bondar' GV, et al. Klin Khir 12:31-4, Dec 70 (Rus)
[Surgery of cancer of the rectum] Fain SN, et al. Klin Khir 2:54-7, Feb 71 (Rus)
[Significance of lymphography and pararectopneumography in establishing the operability of rectal cancer] Pasechnik PI, et al. Klin Khir 12:38-42, Dec 70 (Rus)
[Endolymphatic administration of I-131-iodolipol in rectal cancer surgery] Fain SN, et al. Med Radiol (Mosk) 15:19-23, Aug 70 (Rus)
[Technic of construction of a preternatural anus in rectal extirpation] Sneshko LI, et al. Vestn Khir 103:41-5, Nov 69 (Rus)
[Surgery for rectal cancer] Telkov NA. Vestn Khir 106:43-6, Apr 71 (Rus)
[Late results of radical treatment for rectal cancer] Petrov VP, et al. Vopr Onkol 16:75-9, 1970 (Rus)
[Data on assessment of the role of intestinal microflora in cancerous diseases of the large intestine and rectum and its importance in surgical intervention] Shamakhian MA. Zh Eksp Klin Med 7:82-8, 1967 (Rus)
[Remote results of a so-called Miles' operation] Ceriani BP. Prensa Med Argent 57:640-2, 29 May 70 (Spa)
[Miles' postoperative perineal fistula] Galvan ES, et al. Prensa Med Argent 56:1657-60, 24 Oct 69 (Spa)
[Primary definitive treatment of cancer of the rectum using electrocoagulation] Madden JL, et al. Prensa Med Argent 57:1382-7, 11 Sep 70 (Spa)
[Preservation of the spincter in rectal cancer] Pi-Figueras J. Prensa Med Argent 57:1378-81, 11 Sep 70 (Spa)
[The compatibility of radiotherapy and surgical treatment of cancer of the rectum] Paviov A, et al. Rev Esp Enferm Apar Dig 34:481-4, 1 Jun 71 (Spa)

THERAPY

Clinical evaluation of electrocoagulation in the treatment of cancer of the rectum. Madden JL, et al. Am J Surg 122:347-52, Sep 71
Rectal cancer--to burn or not to burn. Stearns MW. CA 21:267-8, Jul-Aug 71
The Yin-Yang (cold-hot) theory of disease. Shiang E, et al. JAMA 217:1108, 23 Aug 71
Alternatives to surgery in the treatment of carcinoma of the rectum. Veidenheimer MC. Surg Clin North Am 51:815-24, Jun 71
[Rectal cancer treatment] Parturier-Albot M, et al. Arch Fr Mal App Dig Suppl 9:17-36, Sep 69 (Fre)
[Electro-destruction of rectal cancer] Poirier A, et al. Arch Fr Mal App Dig Suppl 9:37-48, Sep 69 (Fre)
[Curable forms of cancer of the rectum] Parturier-Albot M, et al. Bull Mem Soc Chir Paris 60:169-92, 1970 (Fre)
[Cancer of the rectum] Chevrel B, et al. Presse Med 78:1987-90, 28 Oct 70 (Fre)

RECTAL PROLAPSE (C4)

Problems of rectal prolapse. Br Med J 4:381-2, 14 Nov 70
Rectal prolapse. Wells C. Nurs Times 67:345-7, 25 Mar 71
[Rectal prolapse] Stelzner F. Ther Umsch 27:248-55, Apr 70 (Ger)
[Rectal prolapse] Otnes B. Tidsskr Nor Laegeforen 91:1463-8, 10 Jul 71 (Nor)

COMPLICATIONS

[Incarceration of prolapsed rectum causing colonic occlusion] Jeleń J. Wiad Lek 24:867-70, 1 May 71 (Pol)
[Spontaneous rupture of the rectum] Duplik ZK, et al. Klin Khir 8:54, Aug 70 (Rus)

DIAGNOSIS

Prolapse. I. Aetiology and diagnosis. Stallworthy JA. Br Med J 1:499-500, 27 Feb 71

DRUG THERAPY

Problems of rectal prolapse. Zachary RB. Br Med J 4:683, 12 Dec 70

ETIOLOGY

Prolapse. I. Aetiology and diagnosis. Stallworthy JA. Br Med J 1:499-500, 27 Feb 71
[Lipofibroma of the ileum complicated by intestinal invagination and prolapsing out of the rectum] Marcucci A, et al. Osp Ital Chir 22:99-107, Feb 70 (Ita)

SURGERY

Nineteen years' experience with the one-stage perineal repair of rectal prolapse. Altemeier WA, et al. Ann Surg 173:993-1006, Jun 71
Surgery for rectal prolapse. Lawson RS. Br Med J 2:224, 24 Apr 71
Surgery for rectal prolapse. Porter NH. Br Med J 3:113, 10 Jul 71
Complete rectal prolapse: comments on Lahaut's abdominal fixation-suspension operation. Spinka J. Int Surg 55:380-8, May 71
An operation for prolapsed rectum in women. Newbold JC. Proc R Soc Med 63:1046-7, Oct 70
Management of patients with complete rectal prolapse or procidentia. Swinton NW Sr. Surg Clin North Am 51:825-8, Jun 71
[Our experience in treating rectal prolapse] Mikhaĭlov P. Khirurgiia (Sofiia) 21:537-42, 1968 (Bul)
[Management of rectal prolapse in adults. Proposal for a new technic] Bioquiaux W. Tijdschr Gastroenterol 13:165-71, 1970 (Dut)
[Total rectal prolapse in adults. Result of rectopexia to the promontorium] Malafosse M, et al. Ann Chir 24:1253-9, Nov 70 (Fre)
[Orr-Loygue rectopexy in the treatment of total rectal prolapse in children. Apropos of 6 cases] Bienayme J, et al. Ann Chir Infant 12:207-14, May-Jun 71 (Fre)
[Giant genital and rectal prolapse] Grzimek L, et al. Geburtshilfe Frauenheilkd 30:1099-100, Dec 70 (Ger)
[Experiences in ventral rectopexy in the treatment of rectal prolapse] Deucher F, et al. Langenbecks Arch Chir 322:445-9, 1968 (Ger)
[Sliding skin graft method for postoperative anal complications, especially rectal mucous membrane prolapse and anus constriction] Okada M, et al. J Jap Soc Coloproctol 24:27-8, Jul 71 (Jap)
[Sliding skin graft for postoperative anal stricture and rectal prolapse] Okada M, et al. Shujutsu 25:823-30, Jul 71 (Jap)
[Rectal prolapse in the aged] Yamashiro M, et al. Surg Ther (Osaka) 23:370-4, Oct 70 (Jap)
[Total anal prolapse due to neuroparalysis treated surgically by the Hughes method] Jankau O, et al. Pol Przegl Chir 42:1847-9, Dec 70 (Pol)
[Strangulation of small intestine loops following A.G. Radzievskii and Zerenin-Kümmel's operations in rectal prolapse] Maksimchuk DK. Klin Khir 10:70-1, Oct 69 (Rus)
[Rectal prolapse] Ihre T. Nord Med 85:414, 1 Apr 71 (Swe)

THERAPY

[Anal prolapse in children] Asperen de Boer FR van, et al. Ned Tijdschr Geneeskd 115:828-31, 8 May 71 (Dut)
[Orthopedic contention of severe anal prolapse in infants] Mourot M, et al. Presse Med 79:1025, 1 May 71 (Fre)

RECTOCOLITIS see under COLITIS (C4)

RECTOVAGINAL FISTULA (C4, C6)

Abnormal second anal opening in a female infant. Artigas JL, et al. Int Surg 55:110-2, Feb 71

CONGENITAL

[Congenital rectovulvar fistula without anal atresia] Ricci G, et al. Acta Chir Ital 26:395-408, Sep-Oct 70 (Ita)

ETIOLOGY

Bladder and urethral injuries following prolonged labor. Linke CA, et al. J Urol 105:679-82, May 71

SURGERY

Pull-through operation for radiation-induced rectovaginal fistula: report of a case. Thomford NR, et al. Dis Colon Rectum 13:451-3, Nov-Dec 70
[Surgical treatment of rectovaginal fistula of the lower two-thirds of the vagina] Musset R. Lyon Chir 67:68-70, Jan-Feb 71 (Fre)
[Operative management of urologic complications of gynecologic diseases] Schmiedt E. Z Urol Nephrol 63:547-62, Jul 70 (Ger)

VETERINARY

Successful treatment of perineal tear and recto-vaginal fistula in a Brown-Swiss cow. Mathai E, et al. Indian Vet J 47:1007-11, Nov 70
Rectovaginal fistula and imperforate anus in a dog. Rawlings CA, et al. J Am Vet Med Assoc 159:320-6, 1 Aug 71

RECTUM (A3)

Children's responses to rectal temperatures: an exploratory study. McCaffery M. Nurs Res 20:32-45, Jan-Feb 71
Diagnostic difficulties in four cases of massive bleeding per rectum. Ransome GA, et al. Singapore Med J 11:96-9, Jun 70
Relief of hypoxia with rectal oxygen. Kaminsky HH. Surg Forum 21:79-80, 1970
[Idiopathic muscular stricture of the rectosigmoid] Kerremans R, et al. Tijdschr Gastroenterol 13:439-48, 1970 (Dut)
[Simplified prostatic biopsy by transrectal route] Schulman CC. Acta Urol Belg 38:361-5, Jul 70 (Fre)
[Use of forceps in the extraction of foreign bodies from the rectum] Haddad J, et al. Rev Paul Med 77:119-22, Apr 71 (Por)
[Transrectal puncture biopsy in the diagnosis of prostatic diseases] Kubarikov PG, et al. Sov Med 33:107-8, Dec 70 (Rus)

ABNORMALITIES

The notochord as an abnormal organizer in production of congenital intestinal defect. Elliott GB, et al. Am J Roentgenol Radium Ther Nucl Med 110:828-34, Nov 70
The radiological assessment of anorectal anomalies. Cremin BJ. Clin Radiol 22:239-50, Apr 71
Assessment of continence after treatment for anorectal agenesis: a clinical and radiologic correlation. Cywes S, et al. J Pediatr Surg 6:132-7, Apr 71
Classification of anorectal anomalies: a critical analysis. Gans SL. J Pediatr Surg 5:511-3, Oct 70
Advances in the diagnosis of anal and rectal atresia by ultrasonic-echo examination. Willital GH. J Pediatr Surg 6:454-7, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The results of treatment in anorectal agenesis. Cywes S, et al. S Afr J Surg 9:31-8, Jan-Mar 71
Anorectal malformations--classification and clinical features. Louw JH, et al.
S Afr J Surg 9:11-20, Jan-Mar 71
The management of anorectal agenesis. Louw JH, et al.
S Afr J Surg 9:21-30, Jan-Mar 71
A new method of roentgenological demonstration of anorectal anomalies. Murugasu JJ.
Surgery 68:706-12, Oct 70
[Megarectum in children] Béraud C, et al.
J Radiol Electrol Med Nucl 52:328-31, May 71 (Fre)
[Rectal duplication] Deschênes L, et al.
Laval Med 40:625-7, Sep 69 (Fre)
[Developmental changes of the uro-rectal septum (case contribution)] Di Tondo U, et al.
Folia Hered Pathol (Milano) 18:21-4, Jan 69 (Ita)
[Tubular doubling of the distal rectal portion with normally developed anus] Ostrovskiĭ EA, et al.
Vestn Khir 104:105-6, Jun 70 (Rus)
[Anorectal anomalies of "imperforate anus"] Cremin BJ. Ann Radiol (Paris) 14:301-4, Mar-Apr 71 (Mul)

ANALYSIS

Histochemistry of rectal mucus in cystic fibrosis of the pancreas. Johansen PG, et al.
J Pathol 99:299-306, Dec 69

BLOOD SUPPLY

Ischemic proctitis with obliterative vascular change: report of a case. Ganchrow MI, et al.
Dis Colon Rectum 13:470-4, Nov-Dec 70
[Importance of arteriovenous anastomoses and cavernous structures of the rectum in the pathogenesis of hemorrhoids] Kapuller LL, et al.
Arkh Patol 32:52-6, 1970 (Rus)

CYTOLOGY

Cilia in cloaca and hind gut of Xenopus larvae seen by electron microscopy. Fox H.
Arch Biol (Liege) 81:1-20, 1970
Use of mouse vaginal and rectal epithelium to screen antimitotic effects of systemically administered drugs. Bonder RH, et al. Cancer Res 31:851-3, Jun 71
Autoradiographic studies on cell population kinetics in dog gastric and rectal mucosa. A comparison between in vitro and in vivo methods. Willems G, et al.
Lab Invest 23:635-9, Dec 70
[Cell proliferation at the level of the gastric fundic mucosa and rectal mucosa in the dog studied with the radioautographic method of double labeling in vitro] Willems G, et al.
Arch Biol (Liege) 81:427-40, 1970 (Fre)

DRUG EFFECTS

The effect of actinomycin D on rat intestine. Pugh D.
Ann Histochim 15:113-8, Apr-Jun 70
The action of sennosides and related compounds on human colon and rectum. Hardcastle JD, et al.
Gut 11:1038-42, Dec 70
A study in vivo of adrenergic receptors in the rectum and in the internal and sphincter of the cat. Kerremans R, et al. Gut 11:709-14, Aug 70
Intravaginal and intrarectal screening of antimitotic drugs for topical effectiveness. Van Scott EJ, et al.
J Invest Dermatol 56:132-9, Feb 71
[Rectal potassium resorption in rabbits] Magyarlaki A, et al. Pharmazie 26:299-301, May 71 (Ger)

EMBRYOLOGY

Ultrastructure of the cryptonephridial system in the meal worm Tenebrio molitor. Koefoed BM.
Z Zellforsch Mikrosk Anat 116:487-501, 1971
[The proctodeum cuticle of insects. II. Formation during molt] Noirot C, et al.
Z Zellforsch Mikrosk Anat 113:361-87, 1971 (Fre)

ENZYMOLOGY

Enzyme cytochemical and isoenzyme studies of normal and diseased rectal mucosa. Klein UE, et al.
Am J Proctol 21:346-51, Oct 70

IMMUNOLOGY

Antibacterial antibodies in rectal and colonic mucosa in ulcerative colitis. Monteiro E, et al.
Lancet 1:249-50, 6 Feb 71
The distribution of Escherichia coli antigens in rectal mucosa. Mais RF, et al.
Proc Soc Exp Biol Med 136:848-52, Mar 71

INJURIES

Management of rectal injuries. Lavenson GS, et al.
Am J Surg 122:226-30, Aug 71
Wounds of the rectum. Lung JA, et al.
Ann Surg 172:985-90, Dec 70
Rectal impalement with perforation of the bladder. Johnson PA. Br Med J 2:748-9, 26 Jun 71
Neck pain following rectal perforation. Wilson TS, et al.
Can Med Assoc J 104:53-4, 9 Jan 71
The enema can be a dangerous act. Bernstein WC.
Minn Med 53:1181 passim, Nov 70
Traumatic proctitis. Kirkman NF.
Proc R Soc Med 63:968, Sep 70
[Rectal injuries due to contrast medium enema with severe permanent complications] Bahls G.
Chirurg 41:522-6, Nov 70 (Ger)
[Swenson-Duhamel operation in children] Kozlov MA.
Khirurgiia (Mosk) 46:24-6, Jul 70 (Rus)
[Intra-abdominal injuries of the rectum] Zoria VG.
Klin Khir 8:38-41, Aug 70 (Rus)
[Anorectocolonic iatrogenic wounds] Heidenreich A.
Prensa Med Argent 57:436-9, May 70 (Spa)
[Ano-recto-perineal injuries] Lembrande RO.
Prensa Med Argent 56:1652-6, 24 Oct 69 (Spa)

INNERVATION

Adrenoceptors of the chick rectum. Bartlet AL, et al.
Br J Pharmacol 39:817-21, Aug 70
Contraction of chicken rectum to nerve stimulation after blockade of sympathetic and parasympathetic transmission. Bartlet AL, et al.
Q J Exp Physiol 56:178-83, Jul 71
[Non-spreading reversal of motor neuron membrane potentials] Rudashevskiĭ SE, et al.
Nerv Sist 10:45-50, 1969 (Rus)

METABOLISM

Rectal absorption of progesterone and testosterone in rabbits. Uldall A. Dan Tidsskr Farm 44:323-6, 1970
Sodium, potassium, and water absorption by normal human rectum. Edmonds CJ. Gut 11:1057, Dec 70
Drug absorption from the rectum. 3. Asprin and some aspirin derivatives. Lowenthal W, et al.
J Pharm Sci 59:1353-5, Sep 70
[Rectal absorption of cyclohexyl-2 iodo-4-diméthyl-3-5 phenol in rabbits] Traverso H, et al.
Agressologie 11:483-7, 1970 (Fre)

MICROBIOLOGY

Value of vaginal and rectal cultures in the diagnosis of gonorrhoea. With special reference to areas with limited medical facilities. Olsen GA.
Br J Vener Dis 47:102-6, Apr 71
An atraumatic rectal swab for small laboratory animals. Ghosh HK. J Med Lab Technol 27:389, Jul 70
[Intestinal yeast flora of the baboon, Papio papio (Desm.)] Sáez H.
Mycopathol Mycol Appl 41:383-95, 4 Dec 70 (Fre)

PATHOLOGY

Pneumatosis cystoides intestinalis diagnosed by rectal biopsy. Babb RR, et al.
Am J Gastroenterol 54:609-12, Dec 70
Ultrastructure of myenteric plexus in lipidoses of children: further approach to a specific diagnosis by rectal biopsy. Kamoshita S, et al.
Paediatr Univ Tokyo 18:69-78, Dec 70
Histochemistry and electron microscopy of rectum and colon in Hirschsprung's disease. Howard ER, et al.
Proc R Soc Med 63:1264-6, Dec 70
[Usefulness of suction tube rectal biopsy in pediatrics] Kerner I, et al. Union Med Can 100:1131-5, Jun 71 (Fre)
[Histochemical changes in the rectal mucosa after ureterosigmoidostomy] Sommo G, et al.
Pathologica 59:447-50, Nov-Dec 67 (Ita)
[Pathologic anatomy of rectal cancer treated by intra-arterial administration of 5-fluoruracil] Rottenberg VI, et al. Arkh Patol 32:35-9, 1970 (Rus)
[Villous tumor of the rectum] Sementsov PN.
Arkh Patol 32:78, 1970 (Rus)
[Rectal biopsy in chronic ulcerative colitis] Pérez Fernández E, et al.
Rev Esp Enferm Apar Dig 32:857-72, 15 Dec 70 (Spa)
[The value of a rectal biopsy for differential diagnostics of ulcerative colitis and Crohn's disease] Gustafsson A, et al.
Nord Med 84:1350-1, 15 Oct 70 (Swe)

PHYSIOLOGY

Local osmotic gradients in the rectal pads of an insect. Wall BJ. Fed Proc 30:42-8, Jan-Feb 71
Symmetry and non-linearity of osmotic flow across rectal cuticle of the desert locust. Phillips JE, et al.
J Exp Biol 54:317-28, Apr 71
Biophysical properties of the longitudinal smooth muscle of the guinea-pig rectum. Kuriyama H, et al.
J Physiol (Lond) 212:667-83, Feb 71
Preliminary observations on the functional relationship of the longitudinal and circular layers of the muscularis externa of the rabbit rectum using a flat preparation. McGroarty FC, et al.
J Physiol (Lond) 214:19P-20P, Apr 71
Action potentials of the rectum by balloon method. Matsuoka K. Jap J Smooth Muscle Res 6:155-7, Jun 70
A simple millivoltmeter and electrodes for measurement of rectal electrical potential in man. Edmonds CJ, et al. Med Biol Eng 8:409-10, Jul 70
[Influence of rectal distension on anal channel tonus] Arhan P, et al.
J Physiol (Paris) 63:1A-2A, Mar-Apr 71 (Fre)
[Electric activity of the rectal ampulla in man] Pisano M, et al.
Boll Soc Ital Biol Sper 45:1429-33, 30 Nov 69 (Ita)

PHYSIOPATHOLOGY

Electrical potentials of the sigmoid colon and rectum in irritable bowel syndrome and ulcerative colitis. Edmonds CJ. Gut 11:867-74, Oct 70
Manometric and cineradiographic studies on anorectal motility in Hirschsprung's disease before and after surgical operation. Suzuki H, et al.
Tohoku J Exp Med 102:69-80, Sep 70
[Function of the external sphincter of the rectum after suturing a 3d degree rupture of the perineum] Butkiavichus SS, et al.
Akush Ginekol (Mosk) 46:67-8, Feb 70 (Rus)
[An electromyographic study of the regulation of urination under normal conditions and in the presence of spinal lesions] Zenkov LR, et al.
Vopr Neirokhir 34:42-7, May-Jun 70 (Rus)

RADIATION EFFECTS

[Short-term effect of radiation on rectal and gastric mucosa: presentation of 2 cases] Delage C, et al.
Union Med Can 98:1314-20, Aug 69 (Fre)
[Evaluation of gamma ray dosage in the rectum during treatment of carcinoma of the uterine cervix with radium] Nozdryn-Plotnicki B, et al.
Nowotwory 20:107-13, Apr-Jun 70 (Pol)
[Actinic rectitis. Toupet's proctectomy] Ayarragaray AC. Prensa Med Argent 57:643-5, 29 May 70 (Spa)

RADIOGRAPHY

Radio-cinematographic examination of the rectum and the anal canal in cases of rectal constipation. A radio-cinematographic and physical explanation of dyschezia. Kerremans R.
Acta Gastroenterol Belg 31:561-70, Aug-Sep 68
The radiological assessment of anorectal anomalies. Cremin BJ. Clin Radiol 22:239-50, Apr 71

SURGERY

Experience in the application of the instrumental mechanical suture in surgery of the stomach and rectum. Androsov PI. Acta Chir Scand 136:57-63, 1970
Application of the Soviet suturing apparatus in surgery of the colon and rectum. Gurejeva CF, et al.
Am J Proctol 21:407-11, Dec 70
Perineal exposure of the rectum. Griffith CA.
Am Surg 36:652-5, Oct 70
Caudal anesthesia for neonatal anoperineal and rectal operations. Touloukian RJ, et al.
Anesth Analg (Cleve) 50:565-8, Jul-Aug 71
Delayed ileorectal anastomosis in the surgery of ulcerative colitis. Aylett SO. Br J Surg 57:812-3, Nov 70
A survey of urological problems associated with abdomino-peineal excision of the rectum. Watson JG, et al. Br J Urol 42:743, Dec 70
Ileorectal anastomosis for ulcerative colitis. Sprechler M, et al. Br Med J 2:527, 29 May 71
Ileorectal anastomosis for ulcerative colitis.
Br Med J 4:572, 5 Dec 70
Pull-through operation for radiation-induced rectovaginal fistula: report of a case. Thomford NR, et al. Dis Colon Rectum 13:451-3, Nov-Dec 70
Ileo-rectal anastomosis for Crohn's disease of the colon. Baker WN. Gut 12:427-31, Jun 71
The fate of ileorectal anastomosis in Crohn's disease of the large bowel. Burman JH, et al. Gut 11:1066, Dec 70
The fate of ileorectal anastomosis in Crohn's disease. Burman JH, et al. Gut 12:432-6, Jun 71
Foreign body granuloma following anastomosis with the anastomotic stapler. Dickinson J.
J Pediatr Surg 6:489, Aug 71
Rectal myotomy with colectomy: a new radical operation for Hirschsprung's disease. Kasai M, et al.
J Pediatr Surg 6:36-41, Feb 71
The management of the rectal stump after subtotal colectomy for ulcerative colitis. Koudahl G, et al.
Scand J Gastroenterol 6:Suppl 9:127-9, 1971
Rectal myectomy for short segment aganglionic megacolon. Backwinkel KD, et al.
Surg Gynecol Obstet 132:109-13, Jan 71
[Prostatectomy and amputatio recti] Holund T.
Ugeskr Laeger 133:998, 21 May 71 (Dan)
[Postoperative rupture of the pelvic peritoneum following abdomino-perineal amputation of the rectum] Holund T.
Ugeskr Laeger 133:1125-6, 11 Jun 71 (Dan)
[Some technical details of "pull-through" transanal prolapse] Ceulemans G.
Acta Chir Belg 68:213-20, Mar 69 (Fre)
[The role of the rectum in colitis and ileorectal anastomosis] Maratka Z, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ann Gastroenterol Hepatol (Paris) 7:191-215, May-Jun 71 (Fre)
[Conservation of the rectum, recent acquisition in surgical treatment of ulcero-hemorrhagic rectocolitis] Loygue J, et al.
Cah Coll Med Hop Paris 10:705-10, 30 Jun 69 (Fre)
[Amputation of the rectum by 2 teams] Francillon J, et al. Experientia 27:390-3, 15 Jan 71 (Fre)
[Treatment of rectal cancer (a series of 127 cases)] Gary-Bobo J, et al.
J Radiol Electrol Med Nucl 50:722-4, Oct 69 (Fre)
[Surgical treatment of congenital vaginal aplasia: recto-colpoplasty by exclusion of the rectal ampulla and conservation of the anal canal] Soustelle J, et al.
Lyon Chir 65:641-7, Sep-Oct 69 (Fre)
[Ano-rectal achalasia of ultra-short segments in Hirschsprung disease] Bentley JF.
Minerva Chir 26:310-4, 31 Mar 71 (Fre)
[Importance of internal sphincter in the surgery of Hirschsprung's disease] Pagés R.
Minerva Chir 26:288-90, 31 Mar 71 (Fre)
[Amputation of the rectum against Babcock's method] Mouchet A, et al. Presse Med 79:11-3, 2 Jan 71 (Fre)
[Colon and rectum surgery in childhood] Hockerts T, et al. Chirurg 42:17-22, Jan 71 (Ger)
[Proctectomy in Crohn's disease] Deucher F, et al.
Langenbecks Arch Chir 328:8-11, 1970 (Ger)
[Differential diagnosis of inflammatory colon diseases and their treatment with ileo-rectal anastomosis] Mafatka Z, et al.
Schweiz Med Wochenschr 101:716-22, 22 May 71 (Ger)
[On "subvigil" anesthesia in extensive demolitory operations on the pelvis minor] Leonardis G, et al.
Acta Anaesthesiol (Padova) 21:181-97, Mar-Apr 70 (Ita)
[Changes of respiratory function in the postoperative period in relation to the various surgical incisions] Lorenzetti L, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:45-63, 1969 (Ita)
[Rectal bladder with the Duhamel technic in therapy of bladder exstrophy] Muraro GB, et al.
Osp Ital Chir 21:311-22, Oct 69 (Ita)
[Our method of rectal myectomy in Hirschsprung's disease--posterior longitudinal segmental anorectal resection] Yano H. Shujutsu 25:418-28, Apr 71 (Jap)
[New rectal bladder] Netto JM, et al.
Resen Clin Cient 39:187-9, Jul-Aug 70 (Por)
[Vacuum aspiration in the treatment of the perineal wound following extirpation of the rectum] Inoiatov IM, et al. Khirurgiia (Mosk) 47:74-8, Jan 71 (Rus)
[Ileocolorectoplasty in defects of the left half of large intestine] Parakhoniak VI.
Khirurgiia (Mosk) 46:75-8, Oct 70 (Rus)
[Two cases of total colonproctectomy with ileorectoplasty] Zemskov VS, et al.
Klin Khir 8:55-6, Aug 70 (Rus)
[Wound dilator in rectal surgery] Smirnov VE.
Vestn Khir 102:117-8, May 69 (Rus)

RECURRENT LARYNGEAL NERVE see under

LARYNGEAL NERVES (A8)

RED CROSS (N3)

The Canadian Red Cross Society. Coates HW, et al.
Can J Public Health 61:540-3, Nov-Dec 70
Centenary of the British Red Cross Society. Chapman P. Physiotherapy 56:409-11, Sep 70

HISTORY

[Role played by the Polish Red Cross in organizing hospitals in Lodz after World War II] Gadzicki S.
Arch Hist Med (Warsz) 34:219-23, 1971 (Pol)

RED NUCLEUS (A8)

[The red nucleus: recent data] Massion J.
Mars Med 108:195-9, 1971 (Fre)

ANALYSIS

Pigments in the red nucleus and substantia nigra in man and in representative old and new world monkeys. Schwyn RC, et al. Bol Estud Med Biol 28:139-60, Jan 70
Pharmacologically active peptides in extracts from cortical and subcortical tissues of human and bovine brain. Zetler G, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:65-78, 1971

CYTOLOGY

The red nucleus in the monkey (Macaca mulatta): a Golgi and an electron microscopic study. King JS, et al. J Comp Neurol 142:75-107, May 71

DRUG EFFECTS

[The effect of corazole, trimetin and diphenin on the postsynaptic potentials of motor neurons upon suprasegmental stimulation] Shapovalov AI, et al.
Biull Eksp Biol Med 66:74-9, 1968 (Rus)

ENZYMOLOGY

Acetylcholinesterase activity in the red nucleus of the guinea pig and the cat. Waldron HA.
Brain Res 20:251-7, 3 Jun 70

INNERVATION

Topographical investigation of cortical afferents to the red nucleus in the cat. Padel Y, et al.
Experientia 27:271-2, 15 Mar 71

METABOLISM

[Total protein content and quantity of basic proteins in neurons and neuroglia of rat brain supraoptic and red nuclei during natural sleep and deprivation of paradoxical sleep] Voronka GSh, et al.
Dokl Akad Nauk SSSR 198:974-7, 1971 (Rus)
[Effect of prolonged phenamine-induced insomnia and subsequent sleep on the protein content of neurons and their glial cell-satellites of the brain supraoptic and red nuclei] Voronka GSh.
Fiziol Zh SSSR 57:962-8, Jul 71 (Rus)

PHYSIOLOGY

Rubrospinal monosynaptic connexion with last-order interneurones of polysynaptic reflex paths. Baldissera F, et al. Brain Res 27:390-2, 2 Apr 71
A comparison of the effects of stimulation of the red nucleus on the monosynaptic reflex in the forelimb and hindlimb of the cat. Bradley DJ, et al.
Brain Res 29:151-4, 4 Jun 71
Effects of rubral area lesions and stimulation on conditioned forelimb flexion responses in the cat. Smith AM. Brain Res 24:549, 18 Dec 70
Synaptic excitation of red nucleus neurones by fibres from interpositus nucleus. Toyama K, et al.
Exp Brain Res 11:187-98, 1970
Effect of fastigial stimulation on neuronal activity in the red nucleus. Bachman D, et al.
Exp Neurol 31:223-9, May 71
A comparison of peripheral and rubrospinal synaptic input to slow and fast twitch motor units of triceps surae. Burke RE, et al.
J Physiol (Lond) 207:709-32, May 70
[Localized cooling of the feline red nucleus. Blockage of relayed responses and absence of action upon passage fibers] Benita M, et al.
J Physiol (Paris) 62:Suppl 2:244, 1970 (Fre)
[Spontaneous and evoked activity of neurons in the anterior red nucleus of the cat] Conde H, et al.
J Physiol (Paris) 1:Suppl 1:109+, 1969 (Fre)
[Maturation of cerebello-rubric connections in the young rabbit] Delhaye-Bouchaud N, et al.
J Physiol (Paris) 1:Suppl 1:117, 1969 (Fre)
[Topographic study of cortical afferences to the red nucleus in cats] Padel Y, et al.
J Physiol (Paris) 62:Suppl 3:421, 1970 (Fre)
[Origin of lemniscal afferences from the red nucleus in cats] Schmied A.
J Physiol (Paris) 62:Suppl 2:316, 1970 (Fre)
[Effect of pentobarbital on cellular activity of the red nucleus] Gogolák G.
Naunyn Schmiedebergs Arch Pharmakol 267:249-64, 1970 (Ger)
[Afferent intercentral connections of the cerebellar cortex] Bratus' NV, et al.
Fiziol Zh 16:257-64, Mar-Apr 70 (Ukr)

PHYSIOPATHOLOGY

Red nucleus fast activity and signs of paradoxical sleep appearing during the extinction of experimental seizures. Fernández-Guardiola A, et al.
Electroencephalogr Clin Neurophysiol 30:547-55, Jun 71

REDUCTASES see under OXIDOREDUCTASES (D9)

REFERENCE BOOKS (L)

Drug interaction charts and tables.
Drug Ther Bull 9:11-2, 29 Jan 71
Clinical references in pulmonary disease. Fitzpatrick M. J Okla State Med Assoc 63:203-4, May 70
Clinical references in oncology. Parker JM.
J Okla State Med Assoc 63:276, Jun 70
Food for thought. McPherson AT.
Nature (Lond) 228:297, 17 Oct 70
[Shinnin Kawaguchi and his work "Kaishihen". Studies on anatomical monograph (Kaishihen) at the dawn of experimental medicine in Japan and the career of its author, Shinnin Kawaguchi. 4. Critical evaluation of Kaishihen] (Kawaguchi S), Tsusaki T.
Yokohama Med Bull 21:89-92, Feb 71 (Ger)
[Shinnin Kawaguchi and his work "Kaishihen". Studies on anatomical monograph (Kaishihen) at the dawn of experimental medicine in Japan and the career of its author, Shinnin Kawaguchi. 3. Illustrations in Kaishihen. (3). Difference in size of illustrations in Kaishihen] (Kawaguchi S), Tsusaki T.
Yokohama Med Bull 21:37-41, Feb 70 (Ger)

REFERRAL AND CONSULTATION (N4)

A note on Shellhaas and Nihira's "factor analysis of reasons retardates are referred to an institution". Maney AC, et al. Am J Ment Defic 75:316-8, Nov 70
Referrals from optometrists to ophthalmologists in a prepaid health center. Griffin JR, et al.
Am J Optom 48:615-8, Jul 71
Referral patterns among mental health agents in three suburban communities. Gerdine MW, et al.
Am J Orthopsychiatry 40:841-9, Oct 70
Some distinguising featrues of patients failing to attend a psychiatric clinic after referral. Raynes AE, et al. Am J Orthopsychiatry 41:581-8, Jul 71
Factors affecting the outcome of psychiatric interagency referral. Rogawski AS, et al.
Am J Psychiatry 127:925-34, Jan 71
24-hour psychiatric consultation via TV. Solow C, et al.
Am J Psychiatry 127:1684-7, Jun 71
Evaluation of a mental health consultation service in a ghetto area. Scheidlinger S, et al.
Am J Psychother 24:485-93, Jul 70
Consultation contracts: their development and evaluation. Gebbie KM.
Am J Public Health 60:1916-20, Oct 70
Community resources centers. Roe A.
Am Psychol 25:1033-40, Nov 70
Decision-making and role shifts as they affect the consultation interface. Brodsky CM.
Arch Gen Psychiatry 23:559-65, Dec 70
Impossible consultation made possible. Hollender MH, et al. Arch Gen Psychiatry 23:343-5, Oct 70
Continuing education for consultants. Worthington P.
Br Dent J 131:197-8, 7 Sep 71
The case-filtering of children's behaviour problems by public health nurses. Hogg WF.
Can J Public Health 62:239-42, May-Jun 71
Psychological consultation in a preschool. Balter L.
Children 18:105-8, May-Jun 71
The physician's role as counselor: when, where and how to make referrals. Nash EM.
Clin Obstet Gynecol 13:764-83, Sep 70
The management of a dental patient in the hospital. Roistacher SL. Dent Clin North Am 15:507-18, Apr 71
The psychiatric consultation: problems with referral. Schwab JJ. Dis Nerv Syst 32:447-52, Jul 71
Some measures of consultant management. Parnell RW. Gerontol Clin (Basel) 13:136-44, 1971
Psychiatric consultation: a strategic service to nursing home staffs. Goldberg HL, et al.
Gerontologist 10:221-4, Autumn 70
The physician referral process: a theoretical perspective. Shortell SM, et al.
Health Serv Res 6:39-48, Spring 71
Mental health consultation to Boston's Model Cities Program. Collins JA.
Hosp Community Psychiatry 21:213-6, Jul 70
Psychiatric nurses as consultants in a general hospital. Issacharoff A, et al.
Hosp Community Psychiatry 21:361-7, Nov 70
Problems in achieving indirect psychiatric consultation. Lowe DJ, et al.
Hosp Community Psychiatry 22:91-4, Mar 71
What does a dietary consultant do? Emerson HR.
Hospitals 45:134-5 passim, 16 Jul 71
Psychiatric consultation in pediatric practice. Chacko R. Indian Pediatr 7:670-1, Dec 70
Communication between optometrists and physicians in referrals. Roberts BL.
J Am Optom Assoc 42:64-8, Jan 71
Certification of pharmacy consultants. Boisseree VR.
J Am Pharm Assoc 10:556-7, Oct 70
The scope of psychoanalyst as a consultant in colleges. Rubin LR. J Am Psychoanal Assoc 18:673-81, Jul 70
The handling of referrals--a practice problem.
J Am Vet Med Assoc 158:1706-7, 15 May 71
Mechanism of selection and decision-making in therapeutic abortion. Farmer C.
J Biosoc Sci 3:121-7, Jan 71
Why prospective outpatients fail to make or keep appointments. Kidd AH, et al.
J Clin Psychol 27:394-5, Jul 71
Effects of referral information on testers. Hersh JB.
J Consult Clin Psychol 37:116-22, Aug 71
A study of four hundred and thirty-five court-referred cases. Laczko AL, et al. J Forensic Sci 15:311-23, Jul 70
The "other" therapist. Markowitz I.
J Med Soc NJ 67:815-6, Dec 70
A comparative study on the relationship between the specialist and the referring dentist. Brustein DD, et al.
J Periodontol 42:306-8, May 71
Referral to hospital by general practitioners. Morrell DC, et al. J R Coll Gen Pract 21:77-85, Feb 71
Health assessment of school children. II. Screening tests. Eisner V, et al. J Sch Health 41:344-6, Sep 71
Interclinician agreement. Knox JA, et al.
J Speech Hear Disord 36:292, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Hospital referrals: must they go up? Changing patterns over twenty years. Fry J. Lancet 2:148, 17 Jul 71
Hospital referrals. Parry WH. Lancet 2:261, 31 Jul 71
Aconsulting clinic for head and neck tumours. Manit Med Rev 51:16-7, May-Jun 71
Frequency of referral and patient characteristics in group practice. Penchansky R, et al. Med Care 8:368-85, Sep-Oct 70
Referral to specialists. Harvey BC. Med J Aust 2:512, 12 Sep 70
National health service: referral of patients. North CE. Med J Aust 1:500, 27 Feb 71
National Health Service: referral of patients. Parker R. Med J Aust 1:291-2, 30 Jan 71
National health service: referral of patients. Puddicombe GH. Med J Aust 1:557-8, 6 Mar 71
National Health Service: referral of patients. Silver DD. Med J Aust 1:1296, 12 Jun 71
The referral process: a medical and economic assessment. Smith RJ. Med J Aust 1:94-7, 9 Jan 71
National health service: referral of patients. Vann D. Med J Aust 1:876, 17 Apr 71
Consultation as an educational technique in psychiatric nursing. Batman RH. Ment Hyg 52:617-21, Oct 68
The role of the psychiatric consultant in the state rehabilitation agency. Goldberg RT, et al. Ment Hyg 54:553-8, Oct 70
Mental health consultation to schools. Hirschowitz RG. Ment Hyg 55:237-41, Apr 71
Community caretakers as mental health casefinders. Mueller J, et al. Ment Hyg 55:214-8, Apr 71
The school psychologist and mental hygiene. Ron K. Ment Hyg 52:395-9, Jul 68
Social intervention--consultation to organizations. Rosenblum G. Ment Hyg 54:393-6, Jul 70
We like us. The attitudes of the mental health staff toward other agencies on the Navajo reservation. Schoenfeld LS, et al. Ment Hyg 55:171-3, Apr 71
Psychiatric long distance consultation for the mentally retarded. Menolascino FJ. Ment Retard 9:23-5, Feb 71
Consider the consultation. Greenbaum DS. Mich Med 70:724, Aug 71
The form and function of the Department of Psychiatry at the Mount Sinai Hospital. I. Clinical services. The liaison service. Roose LJ. Mt Sinai J Med NY 38:67-73, Jan-Feb 71
The bacteriologist as a clinical consultant. Smith DD. NZ Med J 73:123-9, Mar 71
The interrelationship between the patient, his family, the referring physician, and the pediatric allergist. Heimlich EM, et al. Pediatrics 47:624-7, Mar 71
Reasons against referral to the psychiatrist. Mezey AG, et al. Postgrad Med J 47:315-9, Jun 71
The community mental health center and the private medical practitioner: a first step. Borus JF. Psychiatry 34:274-88, Aug 71
Varied needs of primary physicians for psychiatric resources. Hyams L, et al. Psychosomatics 12:36-45, Jan-Feb 71
Doctor-doctor relationship. Krakowski AJ. Psychosomatics 12:11-5, Jan-Feb 71
Consultation research in mental health and related fields; a critical review of the literature. Mannino FV, et al. Public Health Monogr 79:1-55, 1970 (89 ref.)
Scottish Consultant Review of In-patient Statistics (SCRIPS). Heasman MA. Scott Med J 15:386-90, Oct 70
Family physician referrals for psychiatric consultation and patient initiative in seeking care. Fink R, et al. Soc Sci Med 4:273-91, Sep 70
The referring of patients as a component of the medical interaction system. Hummell HJ, et al. Soc Sci Med 3:597-607, Apr 70
[Profile of neurologic consultant practice in psychiatric institutions] Mrňa B. Cesk Neurol 33:324-6, Nov 70 (Cze)
[Psychiatric and psychosomatic consultations in general hospitals] Lipowski ZJ. Rev Med Psychosom 11:299-334, Jul-Sep 69 (Fre)
[Response to "When can a physician deny a visit or consultation"?] Regenauer K. Z Allgemeinmed 46:933, 30 Jun 70 (Ger)
[Psychiatrists and the somatic hospital] Dahl NL. Tidsskr Nor Laegeforen 91:987-8, 10 May 71 (Nor)
[The psychiatrist in the general hospital. Some views on the forms and problems of collaboration] Mogstad TE. Tidsskr Nor Laegeforen 91:952-5, 10 May 71 (Nor)
[Experiment in bringing highly qualified therapeutic services closer to the population] Kalikshtein DB. Zdravookhr Ross Fed 14:17-20, Jul 70 (Rus)
[Radio-medical 1965-1970: consulting the doctor by radio from Swedish ships] Berglund G, et al. Lakartidningen 68:1635-9, 31 Mar 71 (Swe)
[Consultation physician--cooperation with Post Office Administration] Hedenberg L. Lakartidningen 67:5923-8, 9 Dec 70 (Swe)
[More medical work--less referring to a specialist] Bunta S. Vojnosanit Pregl 28:89-90, Feb 71 (Cro)

MANPOWER

Who will appoint consultants? Andrews J. Lancet 1:1357, 26 Jun 71

UTILIZATION

Exploration of factors influencing physician decisions to refer patients for mental health service. Carey K, et al. Med Care 9:55-66, Jan-Feb 71

REFLEX (E1, F1, G1)

Reflex activity in chronic spinal cats. Afelt Z. Acta Neurobiol Exp (Warsz) 30:129-44, 1970
Targeting reflex: some features and inhibition. Alvarado M, et al. Acta Neurobiol Exp (Warsz) 31:33-45, 1971
The effect of satiation upon conditioned and unconditioned salivary responses. Soltysik S. Acta Neurobiol Exp (Warsz) 31:59-63, 1971
Some considerations on the orienting reflex polygraphic features in a SSLE case during repetitive acoustical stimulation. Canger R, et al. Acta Neurol (Napoli) 26:225-34, Mar-Apr 71
The diagnostic value of the palmo-mental reflex. Dalby MA. Acta Neurol Scand 46:601-8, 1970
Tonic ankle reflex in parkinsonian rigidity and in spasticity. The role of the fusimotor system. Dietrichson P. Acta Neurol Scand 47:163-82, 1971
Effect of temporal summation on the human stapedius reflex. Djupesland G, et al. Acta Otolaryngol (Stockh) 71:262-5, Feb-Mar 71
Control of respiration in newborn babies. II. The development of the thoracic reflex response to an added respiratory load. Bodegård G, et al. Acta Paediatr Scand 60:181-6, Mar 71
Spatial summations of vasomotor reflexes. Such G. Acta Physiol Acad Sci Hung 37:215-32, 1970
Heterosegmental contralateral inhibition in the sacral cord of the cat. García Ramos J. Acta Physiol Lat Am 20:227-37, 1970
Reflex relaxation of the stomach elicited from heart receptors. Abrahamsson H, et al. Acta Physiol Scand 80:8A-9A, Dec 70
On the dynamic properties of the middle ear reflexes. Borg E. Acta Physiol Scand 80:2A, Dec 70
Contraction times of twitches evoked by H-reflexes. Buchthal F, et al. Acta Physiol Scand 80:378-82, Nov 70
Motor unit activity and stiffness of the contracting muscle fibres in the tonic stretch reflex. Grillner S, et al. Acta Physiol Scand 81:422-4, Mar 71
Inhibitory control of the abdominal stretch receptors of the crayfish. IV. Quantitative description of the central coupling of the accessory reflex. Jansen J, et al. Acta Physiol Scand 81:484-91, Apr 71
Inhibitory control of the abdominal stretch receptors of the crayfish. II. Reflex input, segmental distribution, and output relations. Jansen JK, et al. Acta Physiol Scand 80:443-9, Dec 70
Inhibitory control of the abdominal stretch receptors of the crayfish. 3. The accessory reflex as a recurrent inhibitory feed-back. Jansen JK, et al. Acta Physiol Scand 81:472-83, Apr 71
Microelectrode recording from the facial nucleus in the cat. Lindquist C. Acta Physiol Scand 80:1A-2A, Dec 70
Mechanisms involved in the cat's blink reflex. Lindquist C, et al. Acta Physiol Scand 80:149-59, Oct 70
Factors influencing the autonomic component of the defence reaction. Lisander B. Acta Physiol Scand Suppl 351:1+, 1970
Extrapyramidal rigidity. An electromyographic and pathophysioloical study of the tonic stretch and shortening reflexes. Polák O. Acta Univ Carol [Med] (Praha) Suppl 42:1+, 1970
Commercial airline pilot and his ability to remain alert. Voss RE, et al. Aerosp Med 41:1339-46, Dec 70
Reflex heart rate control in man. Leon DF, et al. Am Heart J 80:729-39, Dec 70
Differential reflex adjustments in cutaneous and muscle vascular beds during experimental coronary artery occlusion. Hanley HG, et al. Am J Cardiol 27:513-21, May 71
The intestinal mucosal reflex in the unanesthetized dog. Thomas JE, et al. Am J Dig Dis 16:642-7, Jul 71
Effects of neuromuscular facilitation on cross transfer. Rider BA. Am J Occup Ther 25:84-9, Mar 71
The reflex development of the infant. Stern FM. Am J Occup Ther 25:155-8, Apr 71
Variation in blink rate associated with contact lens wear and task difficulty. York M, et al. Am J Optom 48:461-7, Jun 71
Reflex vasodilatation and sympathetic transmission in the renal hypertensive dog. Brody MJ, et al. Am J Physiol 219:1746-50, Dec 70
Direct and reflex vascular effects of intra-aortic balloon counterpulsation in dogs. Feola M, et al. Am J Physiol 221:748-53, Sep 71
Reflex responsiveness of vascular bed of dog subcutaneous adipose tissue. Hanley HG, et al. Am J Physiol 220:993-9, Apr 71
Reflex cardiovascular responses after 36 hr of hypoxia. Heistad DD, et al. Am J Physiol 220:1673-6, Jun 71
Facilitatory forebrain influence on cardiac component of baroreceptor reflexes. Klevans LR, et al. Am J Physiol 219:1235-41, Nov 70
Carotid sinus reflex in response to hemorrhage. Kumada M, et al. Am J Physiol 219:1373-9, Nov 70
Spinal sympathetic reflexes elicited by increases in arterial blood pressure. Malliani A, et al. Am J Physiol 220:128-34, Jan 71
Vasodepressor reflex from lung inflation in the rabbit. Ott NT, et al. Am J Physiol 221:889-95, Sep 71
Cardiac output and total peripheral resistance in carotid sinus reflex. Schmidt RM, et al. Am J Physiol 221:480-7, Aug 71
Central inhibition of reflex vasodilatation by angiotensin and reduced renal pressure. Sweet CS, et al. Am J Physiol 219:1751-8, Dec 70
Behavioural ontogeny of the Nijmegen waltzer, a neurological mutant in the mouse. Abeelen JH van, et al. Anim Behav 18:711-8, Nov 70
Reflex tensor mechanism of the larynx by external laryngeal muscles. Murakami Y, et al. Ann Otol Rhinol Laryngol 80:46-60, Feb 71
Pupillary reaction in children with recurrent abdominal pain. Apley J, et al. Arch Dis Child 46:337-40, Jun 71
Quantitative observations on patellar reflex recovery following high spinal section in the cat. Hudson RD. Arch Int Physiol Biochim 78:481-7, Aug 70
The digastric reflex in the kitten and adult cat: paradoxical amplitude fluctuations during sleep and wakefulness. Chase MH. Arch Ital Biol 108:403-22, Aug 70
Electromyography of the jaw jerk recorded from the masseter and anterior temporalis muscles in man. Munro RR, et al. Arch Oral Biol 16:59-69, Jan 71
The effects of interactions between gustatory stimulation the reflex flow-rate of human parotid saliva. Speirs RL. Arch Oral Biol 16:349-65, Apr 71
The otoliths and the ocular countertorsion reflex. Nelson JR, et al. Arch Otolaryngol 94:40-50, Jul 71
The causal factors and function of 'yawning' in Microspathodon chrysurus (Pisces: Pomacentridae). Rasa OA. Behaviour 39:39-57, 1971
What is hypertension? Recent studies on neurogenic hypertension. Sleight P. Br Heart J 33:Suppl:109-12, 1971 (28 ref.)
A review of the structural and functional basis of laryngospasm and a discussion of the nerve pathways involved in the reflex and its clinical significance in man and animals. Rex MA. Br J Anaesth 42:891-9, Oct 70 (63 ref.)
Studies of spasticity in man. 4. Changes in flexion reflex with repetitive cutaneous stimulation in spinal man. Dimitrijević MR, et al. Brain 93:743-68, 1970
On the non-linear dynamic properties of the acoustic middle ear reflex of unanesthetized animals. Borg E. Brain Res 31:211-5, 7 Aug 71
Behavioural efficiency of crossed and uncrossed sensorimotor reflex arcs. Carmon A, et al. Brain Res 31:378, 20 Aug 71
Cerebellar modulation of reflex vagal bradycardia. Hockman CH, et al. Brain Res 23:101-4, 29 Sep 70
Reflexes arising from coronary receptors. Malliani A, et al. Brain Res 24:352-5, 1 Dec 70
Presynaptic inhibition of jaw-opening reflex by high threshold afferents from the masseter muscle of the cat. Nakamura Y, et al. Brain Res 23:193-211, 13 Oct 70
Reflex activity in the cervical and lumbar sympathetic trunk induced by unmyelinated somatic afferents. Schmidt RF, et al. Brain Res 24:207-18, 1 Dec 70
Vulnerability of developing brain. II. Effects of early nutritional deprivation on reflex ontogeny and development of behaviour in the rat. Smart JL, et al. Brain Res 28:85-95, 16 Apr 71
Airway "hyperreactivity" relation to autonomic reflexes. Simonsson BG. Bronches 18:436-8, Nov-Dec 68
Reflexograph in evaluation of thyroid function in healthy children and in children with hormonal disturbances. Stopczyk K. Bull Pol Med Sci Hist 14:68-72, Apr 71
Further evidence for 'active' reflex vasodilation. Wyse DG, et al. Can J Physiol Pharmacol 49:147-59, Feb 71
The treatment of carotid sinus syncope with propantheline. Palmer RA. Can Med Assoc J 104:923-5, 22 May 71
Participation of central noradrenergic neurons in arterial baroreceptor reflexes in the rabbit. Chalmers JP, et al. Circ Res 28:480-91, Apr 71
Reflex effects of stimulation of carotid sinus and aortic baroreceptors on hindlimb vascular resistance in dogs. Dampney RA, et al. Circ Res 29:119-27, Aug 71
Cardiovascular reflexes from stretch of pulmonary vein-atrial junctions in the dog. Edis AJ, et al. Circ Res 27:1091-100, Dec 70
Reflex apnea, bradycardia, and hypotension produced by serotonin and phenylidiguanide acting on the nodose ganglia of the cat. Jacobs L, et al. Circ Res 29:145-55, Aug 71
Pressor reflexes produced by stimulation of afferent fibers in the cardiac sympathetic nerves of the cat. Peterson DF, et al. Circ Res 28:605-10, Jun 71
Effects of carotid sinus nerve stimulation on blood-flow distribution in conscious dogs at rest and during exercise. Vatner SF, et al. Circ Res 27:495-503, Oct 70
The Bainbridge reflex in canine cardiac autotransplants. Reitz BA, et al. Circulation 43:Suppl 1:136+, May 71
Cardiovascular reflexes in Parkinsonism. Reid JL, et al. Clin Sci 41:63-7, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Blood flow, blood pressure and heart rate changes accompanying hind leg flexion in conditional and unconditional reflexes. Antal J, et al. Cond Reflex 5:197-206, Oct-Dec 70

The smoke reflex in rabbits. An example of autonomic control of cardiorespiratory function. Bynum TE, et al. Cond Reflex 5:233-40, Oct-Dec 70

Correlation between psychopathological data and higher nervous activity evaluated by four classical reflexological methods in neuropsychiatric patients. Cazzullo CL, et al. Cond Reflex 5:207-32, Oct-Dec 70

Primitive reflexes in parkinsonism. Klawans HL Jr, et al. Confin Neurol 33:25-32, 1971

Changes in systemic vascular resistance and capacitance elicited by some systemic reflexes. Samoilenko AV, et al. Cor Vasa 13:136-46, 1971

Some physiologic responses to high-speed handpiece noises. Rapp GW. Dent Dig 77:136-40, Mar 71

Contributions to the reflex control of mastication from mechanoreceptors in the temporomandibular joint capsule. Klineberg IJ, et al. Dent Pract Dent Rec 21:73-83, Nov 70

Effect of eye blink on the visual evoked response in children. Eisengart MA, et al. Electroencephalogr Clin Neurophysiol 31:71-5, Jul 71

Axon reflexes in peripheral neurogenic disorders. Sawhney BB. Electroencephalogr Clin Neurophysiol 30:261, Mar 71

The unloading reflex of abductor digiti minimi. Prochazka VJ, et al. Electromyography 10:201-13, May-Aug 70

A study of axon reflexes in some neurogenic disorders. Sawhney BB, et al. Electromyography 10:297-305, Sep-Oct 70

Effect of intrahypothalmic implantation of dibenamine on milk-ejection reflex in lactating rats. Oba T, et al. Endocrinol Jap 18:189-94, Apr 71

Blockade of copulation-induced ovulation in the rat by anterior hypothalmic deafferentation. Kaira SP, et al. Endocrinology 87:1124-8, Dec 70

Impairment of postural reflexes in Parkinson's disease. Chaco J, et al. Eur Neurol 4:332-6, 1970

Function of the ventral spinocerebellar tract. A new hypothesis. Lundberg A. Exp Brain Res 12:317-30, 1971

The effect of the rate of stretch upon the development of active reflex tension in hind limb muscles of the decerebrate cat. Takano K, et al. Exp Brain Res 112:422-34, 26 May 71

Interaction of tooth pulp and periodontal ligament receptors in a jaw-depression reflex. Anderson KV, et al. Exp Neurol 32:295-302, Aug 71

Efferent inhibition of afferent acoustic activity in the unanesthetized rabbit. Borg E. Exp Neurol 31:301-12, Jun 71

Patterned inhibition from horizontal eye movement in the cat. Easton TA. Exp Neurol 31:419-30, Jun 71

A lateral jaw movement reflex. Lund JP, et al. Exp Neurol 31:189-99, May 71

Jaw depression elicited by tooth pulp stimulation. Mahan PE, et al. Exp Neurol 29:439-48, Dec 70

The cremasteric reflex in the spinal rat. Tang AH. Exp Neurol 29:310-6, Nov 70

Modulation of laryngeal activity by pulmonary changes during vocalization in cats. Testerman RL. Exp Neurol 29:281-97, Nov 70

Approach to a quantitative differentiation between the respiratory effects evoked from the lung stretch and the lung deflation receptors during thoracic compression. Koller EA, et al. Experientia 27:163-4, 15 Feb 71

Evidence for a spinal sympathetic regulation of cardiovascular functions. Malliani A, et al. Experientia 26:965-6, 26 Sep 70

The peculiarities of capacitance vessel reflex responses. Tkachenko BI, et al. Experientia 26:973-4, 26 Sep 70

Concerning nasal reflexes. Shapiro SL. Eye Ear Nose Throat Mon 49:332-5, Jul 70

Some physiologic correlations between labyrinth and retina. Shapiro SL. Eye Ear Nose Throat Mon 49:469-72, Oct 70

Electromechanical restoration of the micturition reflex. Timm GW, et al. IEEE Trans Biomed Eng 18:274-80, Jul 71

The acoustic stapedius reflex in relation to critical bandwidth. Flottorp G, et al. J Acoust Soc Am 49:Suppl 2:457+, Feb 71

Elimination of the Ferguson reflex by section of the pelvic nerves in the lactating goat. Peeters G, et al. J Endocrinol 49:125-30, Jan 71

Determination of the detailed hypothalamic route of the milk-ejection reflex in the guinea-pig. Tindal JS, et al. J Endocrinol 50:135-52, May 71

Components of a response programme involving inhibitory and excitatory reflexes in the surf clam. Mellon D Jr, et al. J Exp Biol 53:711-25, Dec 70

A primacy effect in the orienting reflex to stimulus change. Maltzman I, et al. J Exp Psychol 87:202-6, Feb 71

Differences in recruitment order of motor units in phasic and tonic flexion reflex in "spinal man". Grimby L, et al. J Neurol Neurosurg Psychiatry 33:562-70, Oct 70

The human blink reflex. Shahani B. J Neurol Neurosurg Psychiatry 33:792-800, Dec 70

Demonstration of axon reflexes in human motor nerve fibres. Stålberg E, et al. J Neurol Neurosurg Psychiatry 33:571-9, Oct 70

Tonic vibration reflex in the cat. Gillies JD, et al. J Neurophysiol 34:252-62, Mar 71

Supraspinal control of tonic vibration reflex. Gillies JD, et al. J Neurophysiol 34:302-9, Mar 71

Frequency analysis of stretch reflex and its main subsystems in triceps surae muscles of the cat. Rosenthal NP, et al. J Neurophysiol 33:713-49, Nov 70

Baroreceptor reflex function in pre-eclampsia. Seligman SA. J Obstet Gynaecol Br Commonw 78:413-6, May 71

An investigation of the tympanic muscle reflexes elicited by acoustic and meatal tactile stimulation. Macrae JH. J Otolaryngol Soc Aust 3:221-5, Mar 71

A spinal autonomic reflex evoked by congestion of the mesenteric vein. Andrews CJ, et al. J Physiol (Lond) 213:37P-38P, Mar 71

Effects of graded pulsatile pressure on the reflex vasomotor responses elicited by changes of mean pressure in the perfused carotid sinus-aortic arch regions of the dog. Angell James JE, et al. J Physiol (Lond) 214:51-64, Apr 71

Spinal sympathetic reflexes initiated by coronary receptors. Brown AM, et al. J Physiol (Lond) 212:685-705, Feb 71

Primary afferent depolarization and flexion reflexes produced by radiant heat stimulation of the skin. Burke RE, et al. J Physiol (Lond) 213:185-214, Feb 71

The reflex nature of the pressor response to muscular exercise. Coote JH, et al. J Physiol (Lond) 215:789-804, Jul 71

The proprioceptive reflex control of the intercostal muscles during their voluntary activation. Davis JN, et al. J Physiol (Lond) 209:711-38, Aug 70

The plantar cushion reflex circuit: an oligosynaptic cutaneous reflex. Egger MD, et al. J Physiol (Lond) 216:483-501, Jul 71

The role of non-myelinated vagal afferent fibres from the lungs in the genesis of tachypnoea in the rabbit. Guz A, et al. J Physiol (Lond) 213:345-71, Mar 71

Modification of the reflex response to stimulation of carotid sinus baroreceptors during and following stimulation of the hypothalamic defence area in the cat. Humphreys PW, et al. J Physiol (Lond) 216:461-82, Jul 71

Reflex vasomotor responses elicited from the carotid sinus and aortic arch baroreceptors: comparison of pulsatile and non-pulsatile pressures. James JE, et al. J Physiol (Lond) 209:Suppl:22P+, Jul 70

The accessory reflex of the crayfish stretch receptor. Jansen JK, et al. J Physiol (Lond) 210:131P+, Sep 70

Oscillation in the stretch reflex arc and the origin of the rhythmical, 8-12 C-S component of physiological tremor. Lippold OC. J Physiol (Lond) 206:359-82, Feb 70

Abomasal secretory responses to teasing with food and feeding in the sheep. McLeay LM, et al. J Physiol (Lond) 206:605-28, Mar 70

Servo action and stretch reflex in human muscle and its apparent dependence on peripheral sensation. Marsden CD, et al. J Physiol (Lond) 216:21P-22P, Jul 71

Reflex onset of polypnoea in sheep. Phillips GD, et al. J Physiol (Lond) 208:339-52, Jun 70

Class experiment on reflex inhibition of the electrically recorded ankle jerk reflex in man. Roberts TD. J Physiol (Lond) 211:Suppl:7P-8P, Dec 70

Changes in stretch reflexes in limb extensor muscles during position reflexes from the labyrinth in the cat. Roberts TD. J Physiol (Lond) 211:Suppl:5P-6P, Dec 70

Spinal and supraspinal components of the reflex discharges into lumbar and thoracic white rami. Sato A, et al. J Physiol (Lond) 212:839-50, Feb 71

Interaction of reflexes from chemo- and pulmonary stretch receptors in control of airway calibre. Stein JF, et al. J Physiol (Lond) 216:33P-34P, Jul 71

Central adaptation in the salamander spinal cord. Stirling VR. J Physiol (Lond) 210:184P+, Sep 70

A comparison of stretch and vibration reflexes at the motoneurone. Westbury DR. J Physiol (Lond) 213:25P-26P, Mar 71

Baro-receptor reflex function in pre-eclampsia. Seligman SA. J Reprod Fertil 26:281, Aug 71

Carotid sinus reflexes (isolated vasodepressor response). Hair TE Jr. J SC Med Assoc 66:449-51, Dec 70

Elicitation of scratching movements by mechanical stimulation to spinal cord in decerebrate cats. Huang CC, et al. Jap J Physiol 20:365-9, Aug 70

Reflex sympathetic responses produced by activation of vibrational receptors. Miyamoto J, et al. Jap J Physiol 20:725-40, 15 Dec 70

Facial reflexes and their clinical use. Bynke O. Lancet 1:137-8, 16 Jan 71

Facial reflexes. Rushworth G. Lancet 1:242, 30 Jan 71

Integrated effects of sympathetic lumbar trunk stimulation on myotatic reflex activity of the ankle muscles of the cat. Peruzzi P, et al. Life Sci [I] 9:61-5, 15 Jan 70

The plantar reflex of the newborn. Hogan GR, et al. N Engl J Med 285:502-3, 26 Aug 71

Control of accept and reect reflexes in the octopus. Altman JS. Nature (Lond) 229:204-6, 15 Jan 71

Triggering of the stomach eversion reflex of Acanthaster planci by coral extracts. Brauer RW, et al. Nature (Lond) 228:344-6, 24 Oct 70

Yawning and penile erection induced in rats by cortical spreading depression. Huston J. Nature (Lond) 232:274-5, 23 Jul 71

Pupillary abnormalities associated with tumors of the pineal region. Seybold ME, et al. Neurology (Minneap) 21:232-7, Mar 71

Corneal reflex latency. Thatcher DB, et al. Neurology (Minneap) 21:735-7, Jul 71

Functional neuroanatomy for nurses. 5. The fate of sensory impulses. 1. Receptor organs and the reflex arc. Hewitt W. Nurs Times 67:892-5, 22 Jul 71

Polymyographic studies on postural reflexes in cerebral palsy. Arima M, et al. Paediatr Univ Tokyo 18:17-21, Dec 70

Spinal shock and reflex behaviour in man. Guttmann L. Paraplegia 8:100-16, Aug 70

The infant "collaborator" (sudden unexpected death, and nosogenic prehension of nasus). Shaw EB. Pediatrics 47:792, Apr 71

The milk-ejection reflex: a neuroendocrine theme in biology, myth and art. Folley SJ. Perspect Biol Med 13:476-90, Summer 70

Spinal mediation of vasomotor reflexes in animals with intact brain studied by electrophysiological methods. Khayutin VM, et al. Pfluegers Arch 321:197-222, 1970

Effects of local hypothermia on reflex and voluntary activity. Mecomber SA, et al. Phys Ther 51:271-81, Mar 71

Respiratory reflex changes in the rat after toxic injury of the lungs with croton and turpentine oil. Korpás J, et al. Physiol Bohemoslov 19:413-6, 1970

The oesophageal groove reflex and the performance of individually versus group-fed lambs. Lawlor MJ, et al. Proc Nutr Soc 30:24A-25A, May 71

Functional development of the central emetic mechanism in the puppy dog. Pi WP, et al. Proc Soc Exp Biol Med 136:802-4, Mar 71

Palmomental reflexes in adolescents with behaviour disorders. Kleu G. Psychiatr Clin (Basel) 3:375-80, 1970

Effects of the asymmetrical tonic neck posture upon grip strength of normal children. George CO. Res Q Am Assoc Health Phys Educ 41:361-4, Oct 70

Origin and regulation of spontaneous deep breaths. Bartlett D Jr. Resp Physiol 12:230-8, Jun 71

Studies on the role of the lung deflation reflex. Koller EA, et al. Resp Physiol 10:172-83, Sep 70

Reflex increase in ventilation induced by vibrations applied to the triceps surae muscles in the cat. Leitner LM, et al. Resp Physiol 12:199-204, Jun 71

Inhibition of inspiratory activity by intercostal muscle afferents. Remmers JE. Resp Physiol 10:358-83, Oct 70

Visual patterned reflex present during hypothalamically elicited attack. Bandler R Jr, et al. Science 171:817-8, 26 Feb 71

Physiology of yawning and its application to postoperative care. Bartlett RH, et al. Surg Forum 21:222-4, 1970

Hemorrhagic shock and central nervous functions: spinal and spino-bulbo-spinal reflexes. Mori S, et al. Surgery 68:870-7, Nov 70

Autogenic inhibition in patients with Parkinsonism: a neurophysiological study. Drechsler B, et al. Trans Am Neurol Assoc 95:235-6, 1970

Reflex maturation. Skoglund S. UCLA Forum Med Sci 11:131-58, 1969

Carotid sinus nerve stimulation: studies on the mechanism of the hypotensive response. Drews JA, et al. Vasc Surg 2:78-87, Jun 68

[Postural function of diaphragm in man] Skládal J, et al. Cesk Fysiol 19:279-85, Dec 70 (Cze)

[Inhibition of the Ferguson reflex by sectioning the sacral nerves in the goat] Peeters G, et al. Arch Int Pharmacodyn Ther 186:197-8, Jul 70 (Fre)

[Intake-diuresis reflex and its role in the regulation of water-electrolyte balance] Nicolaïdis S. Arch Sci Physiol (Paris) 24:381-96, 1970 (Fre)

[Intake-diuresis reflex and its role in thermal and water-electrolyte regulation] Nicolaïdis S. Arch Sci Physiol (Paris) 24:397-408, 1970 (Fre)

[Case of tapetal reflex with inverse Mizuo phenomenon] Ricci A. Bull Soc Ophtalmol Fr 68:459-61, Apr 68 (Fre)

[Vago-aortic stimulations, masseteric reflex and respiratory activity] Puizillout JJ, et al. C R Soc Biol (Paris) 164:1068-74, 1970 (Fre)

[Barosensitivity reflex in teleostean fish (Cyprinus carpio L.)] Ristori MT. C R Soc Biol (Paris) 164:1512-6, 1970 (Fre)

[Pulmonary inflation reflex and thermal breathing in the rabbit] Vanuxem P, et al. C R Soc Biol (Paris) 164:1052-8, 1970 (Fre)

[Human spinal reflexes and attention levels] Bathien N. Electroencephalogr Clin Neurophysiol 30:32-7, Jan 71 (Fre)

[Study of H and T reflexes in Parkinsonism. Modification of these reflexes by L-Dopa]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Krassoievitch M, et al.
Encephale 60:36-57, Jan-Feb 71 (Fre)
[Reactions of the newborn infant to calibrated sound stimulation] Lepage F, et al.
Gynecol Obstet (Paris) 69:467-78, Nov-Dec 70 (Fre)
[Contribution of electromyography of the diaphragm to the study of dynamic respiratory reflexes in ankylosing spondylarthritis] Delhez L, et al.
J Belge Rhumatol Med Phys 24:209-16, Sep-Oct 69 (Fre)
[Study of human spinal reflexes during selective attention tests] Bathien N, et al.
J Physiol (Paris) 63:5A-6A, Mar-Apr 71 (Fre)
[Influence of gastrocnemic nerve stimulation on solear tonic activity and on the Hoffmann reflex in man] Bouaziz Z, et al.
J Physiol (Paris) 63:16A-17A, Mar-Apr 71 (Fre)
[Activation and inhibition reflex of motor activity in the human diaphragm] Delhez L, et al.
J Physiol (Paris) 1:Suppl 1:118, 1969 (Fre)
[New mechanism to consider in the inhibition of the Hoffman reflex] Delwaide PJ, et al.
J Physiol (Paris) 1:Suppl 1:119, 1969 (Fre)
[Reflex action of different types of splanchnic nerve afferent fibers on the blood pressure] Franc Z, et al.
J Physiol (Paris) 62:Suppl 3:375, 1970 (Fre)
[Spatial central sommation of barosensible reflex bradycardia] Lemarchands H, et al.
J Physiol (Paris) 62:Suppl 3:403-4, 1970 (Fre)
[Central spatial summation of bradycardia obtained by the oculo-cardiac reflex] Lemarchands H, et al.
J Physiol (Paris) 62:Suppl 3:402-3, 1970 (Fre)
[Demonstration, in humans, of 3 origins of proprioceptive information contributing to the posture sense] Paillard J, et al.
J Physiol (Paris) 62:Suppl 3:422, 1970 (Fre)
[Modifications of monophasic action potential of the rabbit heart in situ during the carbon dioxide reflex] Rybak B, et al.
J Physiol (Paris) 62:Suppl 3:444, 1970 (Fre)
[Study of afferent pathways of the diving reflex in rabbits and adult sheep and newborn lambs] Tchobroutsky C, et al.
J Physiol (Paris) 62:Suppl 3:455, 1970 (Fre)
[Diffuse Achilles reflex response in the musculi tibialis anterior in children: correlation with other E.M.G. data] Isch-Treussard C, et al.
Rev Neurol (Paris) 122:434-7, Jun 70 (Fre)
[Effect of lesions in the caudate nucleus of the rat on the startle reflex] Cebulla M, et al.
Acta Biol Med Ger 24:205-7, 1970 (Ger)
[Development of the falling flip-over reflex in the ontogenesis of rabbits] Schönfelder J, et al.
Acta Biol Med Ger 25:109-14, 1970 (Ger)
[Oculocardial reflex in ocular surgery] Damaske E.
Anaesthesist 20:65-8, Feb 71 (Ger)
[Correlation of muscular movements (synergisms) during contraction of some arm muscles and their interpretation] Hoepke H.
Anat Anz 127:527-30, 1970 (Ger)
[Relationship of auropalpebral reflex and ultrasonic threshold levels of some acoustic parameters] Demus HG.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:230-44, 1970 (Ger)
[Spectral sensitivity of the pupillary light reflex in a rod monochromat] Alexandridis E.
Ber Dtsch Ophthalmol Ges 70:580-3, 1970 (Ger)
[Pupillary near reflex in various age groups] Schäfer WD, et al.
Ber Dtsch Ophthalmol Ges 70:72-5, 1970 (Ger)
[Effect of light on the pupillary near reflex] Schäfer WD, et al.
Ber Dtsch Ophthalmol Ges 70:613-5, 1970 (Ger)
[Instinctive movements of man from a biologic and neuropathologic viewpoint] Pilleri G.
Bibl Psychiatr 147:1-37, 1971 (Ger)
[Fatigue and failure from the physiological point of view] Müller-Limmroth W.
Hefte Unfallheilkd 102:216-33, 1970 (Ger)
[Electromyographic studies on the trigeminal reflex in cerebral-paretic children] Hoffmann W, et al.
Kinderaerztl Prax 37:227-33, May 69 (Ger)
[Oculocardiac reflexes in primary glaucoma] Faupel L, et al.
Klin Monatsbl Augenheilkd 156:487-97, 1970 (Ger)
[Exteroceptive reflex inhibition in delirium tremens] Ritter G, et al.
Nervenarzt 41:439-44, Sep 70 (Ger)
[Retraction nystagmus, vertical gaze palsy, convergence paralysis, upper lid retraction and loss of pupillary light reflex. Local diagnostic importance of vertical gaze palsy] Fötzsch R.
Ophthalmologica 162:51-9, 1971 (Ger)
[Reflex activation of pretibial fusimotoneurons in cats by stimulation of low threshold antagonistic muscle afferents] Schiegel HJ, et al.
Pfluegers Arch 319:200-4, 1970 (Ger)
[Reflex head-lifting ability of newborns from the abdominal position. Abdominal position care of newborns and infants as a real early prophylaxis of posture weakness] Pfefferkorn A.
Z Aerztl Fortbild (Jena) 65:39-43, 1 Jan 71 (Ger)
[The oculo-cardiac reflex and its effect on the pulsatile volume of an ophthalmodynamogram] Beer K, et al.
Z Kreislaufforsch 59:271-7, Mar 70 (Ger)
[Analysis of a rapid voluntary movement in Parkinsonian patients before and after stereotaxic thalamic lesions] Butz P, et al.
Z Neurol 196:105-19, 1970 (Ger)
[Optically and electrically induced microreflexes in man] Meier-Ewert K, et al.
Z Neurol 199:167-82, 1971 (Ger)
[Reflex rotation as a pathway to human locomotion] Vojta V. Z Orthop 108:446-52, Nov 70 (Ger)
[The measurability of the human activity level with the aid of infrared pupillography] Klix F, et al.
Z Psychol 177:1-34, 1970 (Ger)
[Psychoneurophysiologic research in neurotic subjects] Grasso AM, et al.
Acta Neurol (Napoli) 25:705-15, Nov-Dec 70 (Ita)
[Trigemino-facial reflexes during insulin coma] Messina C, et al.
Acta Neurol (Napoli) 25:357-61, May-Jun 70 (Ita)
[Pupillographic examination as a means of studying the functional state of the retina and primary optic tracts. I. Examination method] Morone G, et al.
Ann Ottalmol Clin Ocul 95:761-71, Sep 69 (Ita)
[Presynaptic inhibition of the extensor monosynaptic reflex produced by vibration of flexor muscles] Barnes CD, et al.
Boll Soc Ital Biol Sper 46:199-201, 28 Feb 70 (Ita)
[Effects of muscle vibration on the presynaptic and postsynaptic components of the extensor monosynaptic reflex] Barnes CD, et al.
Boll Soc Ital Biol Sper 46:201-3, 28 Feb 70 (Ita)
[Presynaptic and postsynaptic components in reflex inhibition of spinal motor neurons] Cangiano A, et al.
Boll Soc Ital Biol Sper 46:196-8, 28 Feb 70 (Ita)
[Physiological and pharmacological observations on the presynaptic inhibition of the extensor monosynaptic reflexes produced by vibration of the flexor muscles] Cangiano A, et al.
Boll Soc Ital Biol Sper 46:772-5, 15 Oct 70 (Ita)
[Effect of unilateral blocking of the vagus nerve on the Hering-Breuer reflex due to pulmonary insufflation and on hyperventilation caused by hypoxia and hypercapnia] Sant'Ambrogio G, et al.
Boll Soc Ital Biol Sper 47:90-2, 15 Feb 71 (Ita)
[Changes of a reflex nature in the cardiac sympathetic activity induced with increases of arterial pressure in spinal animals] Malliani A, et al.
Boll Soc Ital Cardiol 15:447-53, 1970 (Ita)
[On the objective evaluation of the audio-phonatory reflex] Ceresia G, et al.
Clin Otorinolaringoiatr 20:642-56, Nov-Dec 68 (Ita)
[Integrated actions of the sympathetic nervous system on muscle proprioceptors of the ankle myotactic unit of the chronic spinal cat] Peruzzi P, et al.
Ric Sci 39:441-3, Apr-Jun 69 (Ita)
[Habituation of trigemino-facial reflexes in parkinsonism treated with L-DOPA] Messina C.
Riv Neurol 40:327-36, Sep-Oct 70 (Ita)
[The relationship between pupillary light reflex and retinal receptor] Yamamoto T.
Acta Soc Ophthalmol Jap 75:777-82, 20 Jan 71 (Jap)
[Experimental studies of the middle ear reflex in the rabbit] Sueta T.
J Otolaryngol Jap 74:217-29, Feb 71 (Jap)
[Corpo-pyloric reflex] Neya T.
J Physiol Soc Jap 33:289-93, 1971 (Jap)
[Longitudinal conduction systems serving spinal and brainstem coordination-spino-bulbo-spinal reflex] Shimamura M.
J Physiol Soc Jap 33:225-33, Apr 71 (24 ref.) (Jap)
[Olfactometry by means of pupillary reaction] Nishida H, et al.
Otolaryngology (Tokyo) 43:425-31, Jun 71 (Jap)
[Further studies of the afferent tracts of the oliguric-hypertensive reflex from the urinary bladder] Kiersz J.
Acta Physiol Pol 21:207-17, Mar-Apr 70 (Pol)
[Observations on the variability of the H reflex in patients with spinal cord lesion] Kiwerski J.
Chir Narzadow Ruchu Ortop Pol 36:379-83, 1971 (Pol)
[Electromyographic studies of the influence of the tonic cervical reflexes and Jendrassik's test on the tonic extension reflex of the biceps and triceps brachii in hemiplegia and parkinsonism] Goldsztajn M. Przegl Lek 27:216-20, 1971 (Pol)
[Oscillatory phenomena in the follow up reflex] Bălăceanu C, et al.
Neurol Psihiatr Neurochir 16:175-9, Mar-Apr 71 (Rum)
[Epileptic paroxysms evoked by cutaneous stimuli] Stoica I. Stud Cercet Neurol 15:327-41, 1970 (Rum)
[Regulation of muscle tonus] Safronov VA.
Biofizika 15:1103-11, Nov-Dec 70 (Rus)
[The role of afferent impulsation in the mechanism of autonomic reactions caused by aconitine and veratrine] Bobkov IuG.
Biull Eksp Biol Med 66:55-9, Sep 68 (Rus)
[Reflex changes in the tonus of venous vessels] Bratus' VV, et al. Biull Eksp Biol Med 71:6-8, Jan 71 (Rus)
[The role of descending inhibition n realization of the depressant effect of catecholamines on sympathetic tonus and vasomotor reflex] Butuzov VG.
Biull Eksp Biol Med 69:65-9, Mar 70 (Rus)
[Animals' avoidance reaction to radiation fields] Darenskaia NG, et al.
Biull Eksp Biol Med 65:23-7, Apr 68 (Rus)
[Anesthetic effect of a series of narcotic analgesics and its correlation with the ability to cause Bezold's triad] Dolzhenko AT, et al.
Biull Eksp Biol Med 70:60-3, Aug 70 (Rus)
[The role of the tonic activity of the respiratory muscles in regulating human respiration] Domontovich EN, et al.
Biull Eksp Biol Med 66:3-5, Aug 68 (Rus)
[The mechanism of reciprocal interaction between cutaneous touch receptors] Ezakov AI, et al.
Biull Eksp Biol Med 65:3-7, Apr 68 (Rus)
[Functional isolation as a principle of nervous system activity (descending and contralateral effect of defensive reflexes of the extremities on spinal mechanisms)] Frankshtein SI, et al.
Biull Eksp Biol Med 68:13-5, Nov 69 (Rus)
[Participation of various parts of the hypothalamus in the development and course of reflexogenic hypertension] Kharabadzhakh'ian AV.
Biull Eksp Biol Med 68:16-8, Nov 69 (Rus)
[Reflex excitability of human spinal motor neurons under conditions of temporary ischemic "deafferentation"] Kots IaM.
Biull Eksp Biol Med 66:32-7, Sep 68 (Rus)
[Inhibiting and facilitating influences from the medulla oblongata in tetanus intoxication] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 66:9-14, Nov 68 (Rus)
[Reflex reaction of the urethral sphincter to stimulation of the pudendal and pelvic nerves with single electric impluses] Kuz'menko VA.
Biull Eksp Biol Med 68:25-8, Oct 69 (Rus)
[A change in urethral sphincter activity following stimulation of the mechanoreceptors of the urinary bladder] Kuz'menko VA.
Biull Eksp Biol Med 67:21-4, Jun 69 (Rus)
[Reflex changes in blood circulation during stimulation of lung deflation receptors] Looga RIu.
Biull Eksp Biol Med 70:3-6, Dec 70 (Rus)
[Control of the completeness of disruption and restoration of the extramural nerve connections of the small intestine following its central denervation] Maksimenkova AN, et al.
Biull Eksp Biol Med 69:117-9, Jun 70 (Rus)
[Quantitative characteristics of pressor reflexes caused by the action of lactic acid on the reflexogenic zone of the epicardium and pericardium] Maliarenko IuE. Biull Eksp Biol Med 71:3-6, Apr 71 (Rus)
[Respiratory center response to reflex action] Marshak ME, et al. Biull Eksp Biol Med 63:38-42, Nov 67 (Rus)
[Reflex changes in regional vascular resistance in ischemia in heart excluded from circulation] Moĭbenko AA.
Biull Eksp Biol Med 69:26-7, Mar 70 (Rus)
[The spino-bulbo-spinal response in unanesthetized rats] Semagin VN.
Biull Eksp Biol Med 65:7-11, Apr 68 (Rus)
[Segmental and suprasegmental mechanisms of the protection phenomenon at the thoracic level of the spinal cord] Sergeeva LN, et al.
Biull Eksp Biol Med 69:44-7, Apr 70 (Rus)
[Electrotonic potentials of the primary terminals of the vagus nerve and the inhibitory Hering-Breuer reflex] Sergeeva ZN, et al.
Biull Eksp Biol Med 65:15-8, May 68 (Rus)
[The effect of prolonged cold on the periodic motor activity and evacuaton function of the stomach in dogs] Sidorenkov OK.
Biull Eksp Biol Med 66:41-3, Aug 68 (Rus)
[The reaction of the vessels of the cat stomach to the action of moisture and cold on the hindlimbs] Sidorenkov OK.
Biull Eksp Biol Med 69:36-8, Jun 70 (Rus)
[Spinobulbospinal and propriospinal reflexes during natural sleep and wakefulness in cats] Smolin LN.
Biull Eksp Biol Med 72:9-12, Jul 71 (Rus)
[The effect of hypothermia on the summation of excitation in the central apparatus of an unconditioned reflex] Smotrov VA.
Biull Eksp Biol Med 66:12-4, Aug 68 (Rus)
[The effect of serotonin on cardiac activity] Tkacheniko KN.
Biull Eksp Biol Med 66:22-6, 1968 (Rus)
[Contralateral inhibition of reflex reactions at the level of spinal cord intercalated neurons] Evdokimov SA, et al. Dokl Akad Nauk SSSR 184:1235-8, 11 Feb 69 (Rus)
[Variation in the reflex responses of the spinal cord of frogs registered in the filaments of the anterior radix under the influence of antidromous stimulation of the adjacent anterior radix] Galashina AG, et al.
Dokl Akad Nauk SSSR 190:1250-3, 11 Feb 70 (Rus)
[Role of heparin in the reflex reactions of blood coagulation] Kudriashov BA, et al.
Dokl Akad Nauk SSSR 184:1239-42, 11 Feb 69 (Rus)
[Changes in cardiac output during stimulation of different structures of the medulla oblongata] Povzhitkov MM.
Dokl Akad Nauk SSSR 184:754-7, 21 Jan 69 (Rus)
[Time dispersion in afferent pathways and realization of vasomotor reflexes in spinal preparations] Sonina RS, et al. Dokl Akad Nauk SSSR 198:483-5, 1971 (Rus)
[Changes in the myotatic reflex upon stimulation of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

interoceptors of the gastrointestinal tract] Borisova RP. Fiziol Zh SSSR 56:186-90, Feb 70 (Rus)
[Reflex bioelectric reaction of skletal muscles to impulse noise] Butukhanov VV.
Fiziol Zh SSSR 57:566-74, Apr 71 (Rus)
[Reflex mechanisms correlating the functions of the salivary glands and kidneys] Esipenko BE.
Fiziol Zh SSSR 56:95-101, Jan 70 (Rus)
[Recruitment reaction in the cerebral cortex to stimulation of the cerebellum in chronic experiments on cats] Fanardzhian VV, et al.
Fiziol Zh SSSR 57:358-64, Mar 71 (Rus)
[Proprioceptive reflexes of the diaphragm] Glebovskif VD. Fiziol Zh SSSR 56:1405-10, Oct 70 (Rus)
[The theory of reflection and the mechanism of nervous activity (V. I. Lenin)] (Lenin VI), Golikov NV. Fiziol Zh SSSR 56:466-73, Apr 70 (Rus)
[Reflex changes in respiration following collapse of the lungs] Looga RIu.
Fiziol Zh SSSR 56:392-9, Mar 70 (Rus)
[An electromyographic study of trace processes following prolonged vibration stimulation of proprioceptors] Ruzybakiev RM.
Fiziol Zh SSSR 56:1125-9, Aug 70 (Rus)
[Regional reactions of resistant vessels during chemoreflexes from different sections of the intestines] Samoflenko AV.
Fiziol Zh SSSR 56:1227-32, Sep 70 (Rus)
[The functional stability of the cortical motor response upon suppression of the flexor reflex] Smolentseva RV. Fiziol Zh SSSR 56:150-8, Feb 70 (Rus)
[Characteristics of efferent neuron activity upon reflex opening of the dactylopodite of the river crayfish claw] Stepushkina TA, et al.
Fiziol Zh SSSR 56:179-85, Feb 70 (Rus)
[V. I. Lenin's theory of reflection and the physiology of organs of sensation] (Lenin VI), Zimkin MV, et al.
Fiziol Zh SSSR 56:490-5, Apr 70 (Rus)
[Effect of stimulating hepatic tissue and vessel interoceptors on coronary blood flow and arterial pressure] Plakhotin NP.
Kardiologiia 11:105-8, 1971 (Rus)
[Binocular apparatus for registering eye micromovements and pupillary reflexes] Ananin VF, et al. Nov Med Priborostr 2:54-9, 1967 (Rus)
[A mechanized neurologic hammer] Naumenko BS, et al. Vrach Delo 120-1, Jan 71 (Rus)
[Multiple defensive-motor phenomenon of supertension in painful sacrolumbar syndromes] Shapiro ML.
Zh Nevropatol Psikhiatr 70:1632-6, 1970 (Rus)
[Thresholds of primary responses in dogs with defensive instrumental reflexes] Dolbakian EE.
Zh Vyssh Nerv Deiat 19:261-9, Mar-Apr 69 (Rus)
[Recording of EEG reactivity curves in man during gradual pressure on the arm] Fomin VS.
Zh Vyssh Nerv Deiat 16:136-9, Jan-Feb 66 (Rus)
[Interaction of unilateral unconditioned and conditioned reflexes in dogs following complete sagittal isolation of some brain structures] Khananashvili MM, et al.
Zh Vyssh Nerv Deiat 20:1304-6, Nov-Dec 70 (Rus)
[The consequences of training inborn reflexes in the early postnatal period] Malakhovskaia DB, et al.
Zh Vyssh Nerv Deiat 20:955-60, Sep-Oct 70 (Rus)
[Evolution of higher nervous activity in the light of Marxist-Leninist theory concerning reflection] Sergeev BF.
Zh Vyssh Nerv Deiat 20:352-62, Mar-Apr 70 (Rus)
[Analysis of conditioned reflex transformation of a motor reaction] Stul' NI.
Zh Vyssh Nerv Deiat 20:941-6, Sep-Oct 70 (Rus)
[Guillain-Barre syndrome. Form with ophthalmoplegia, ataxia and areflexia] Somoza MJ, et al.
Prensa Med Argent 57:1729-32, 13 Nov 70 (Spa)
[Comparative study of milk ejection and the milk ejection reflex at 3 and 45 days postpartum in the same patients] Guiloff E, et al.
Rev Chil Obstet Ginecol 35:97-104, 1970 (Spa)
[Reflex cardiogenic mechanisms regulating vascular tonus] Gorev NN, et al.
Fiziol Zh 16:228-36, Mar-Apr 70 (55 ref.) (Ukr)
[Change in some reflex reaction in cat after bilateral cut of the lenticular loop] Litvinova AM.
Fiziol Zh 16:448-55, Jul-Aug 70 (Ukr)
[Methods of study of cardiovascular reflexes during stimulation of receptor zones of the heart, isolated from circulation] Mofbenko AA.
Fiziol Zh 14:841-4, Nov-Dec 68 (Ukr)
[Structure of alimantary center] Vakoliuk NI.
Fiziol Zh 17:200-8, Mar-Apr 71 (Ukr)

DRUG EFFECTS

Treatment of hiccups with instillation of ether into nasal cavity. Moses JA, et al.
Anesth Analg (Cleve) 49:367-8, May-Jun 70
The effects of halothane anesthesia on reflex cardiovascular responses to simulated diving and the Valsalva maneuver. Whayne TF Jr, et al.
Anesthesiology 34:262-70, Mar 71
Effects of picrotoxin on the spinal reflexes and their post-tetanic potentiations. Tan U.
Arch Int Pharmacodyn Ther 191:243-54, Jun 71
Facilitation of the flexor reflex in the cat by intrathecal injection of catecholamines. Dhawan BN, et al.
Br J Pharmacol 40:237-48, Oct 70
A method for studying spinal pharmacology in man. Phillips SJ, et al. Br J Pharmacol 40:577P+, Nov 70
Reflex and other vascular changes in anaesthetized dogs after beta-adrenoceptor antagonism with alprenolol, bunolol and propranolol. Robson RD.
Br J Pharmacol 40:539P+, Nov 70
Depression of laryngeal reflexes during ketamine anaesthesia. Taylor PA, et al.
Br Med J 2:688-9, 19 Jun 71
Electromyographic tests for the evaluation of effects of myotonolytic drugs in muscular reflexogenic hyperreflexive states. Bonne A, et al.
Electromyography 10:219-25, Sep-Oct 70
"Steroid-induced" mydriasis and ptosis. Newsome DA, et al. Invest Ophthalmol 10:424-9, Jun 71
Effect of Diazepam on rat spinal reflexes. Nakanishi T, et al. J Neurol Sci 13:189-95, Jun 71
The effect of solvents on the potency of chlordiazepoxide, diazepam, medazepam and nitrazepam. Crankshaw DP, et al.
J Pharm Pharmacol 23:313-21, May 71
Effects of basal anesthesia on the response of sympathetic nervous activity and barostatic reflexes to a subsequent administration of halothane. Skovsted P, et al.
J Pharmacol Exp Ther 175:183-8, Oct 70
Support for an autogenetic excitatory reflex action of the spindle secondaries from the effect of gamma blockade by procaine. McGrath GH, et al.
J Physiol (Lond) 210:176P+, Sep 70
Inhibition of milk-ejection reflex in lactating rats by systemic administration and intracerebral implantation of atropine. Oba T, et al.
Neuroendocrinology 7:116-26, 1971
Localisation of receptors that initiate reflex vascular responses to vasoactive substances. Li DM, et al.
Pfluegers Arch 325:199-219, 1971
Effects of infused tryptamine in man. Martin WR, et al.
Psychopharmacologia 18:231-7, 1970
Antitussive activity of ethanol. Calesnick B, et al.
Q J Stud Alcohol 32:434-41, Jun 71
ynergy of ethanol and a natural soporific--gamma hydroxybutyrate. McCabe ER, et al.
Science 171:404-6, 29 Jan 71
[Action of 2-(2,6-dichlorophenylamino)-2-imidazoline (St 155, Catapresan) on some cardiovascular reflexes in rabbits] Gut JP, et al.
C R Soc Biol (Paris) 164:880-3, 1970 (Fre)
[Effect of pantothenic acid and pyridoxine deficiency on unconditioned reflex activity and its influencing by coumarin from Melilotus officinalis in rats] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1624+, Nov 70 (Ger)
[Unconditioned reflex activity in experimental lymphogenic encephalopathy and therapeutic effects thereon by coumarin from Melilotus officinalis] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1623+, Nov 70 (Ger)
[Drug effect on the protective reflex of the glottis] Saito S. J Otolaryngol Jap 73:1796-807, Nov 70 (Jap)
[Effects of some central muscle relaxants on spinal cord reflex] Yoshino T.
Jap J Anesthesiol 20:127-34, Feb 71 (Jap)
[Changes in various central effects of serotonin in cats receiving antidepressants] Glushko LF, et al.
Biull Eksp Biol Med 71:51-3, Mar 71 (Rus)
[Nature of the central adreno- and serotonin-sensitive structures participating in the facilitating influence of bioamines on the respiratory reflex from the upper respiratory passages] Komissarov IV, et al.
Biull Eksp Biol Med 70:52-5, Oct 70 (Rus)
[The effect of central cholinolytics on the latent period of the flexor reflex and cortical motor response in rabbits] Pogodin MA.
Biull Eksp Biol Med 65:63-5, Apr 68 (Rus)
[Analysis of adreno- and serotonin-sensitive structures of central links of the shaking and flexor reflexes in rabbits] Talalaenko AN.
Biull Eksp Biol Med 72:51-4, Jul 71 (Rus)
[Sequence of extinction and restoration of body function in ether poisoning] Batrak GE, et al.
Farmakol Toksikol 33:524-7, Sep-Oct 70 (Rus)
[Effect of pentamine on the hemodynamics and reflex regulation of blood circulation in traumatic shock] Ershova NI, et al.
Farmakol Toksikol 33:690-3, 1970 (Rus)
[Effect of tranquilizing and antidepressive agents on the summation of impulses in the central nervous system] Zakusov VV.
Farmakol Toksikol 34:7-9, 1971 (Rus)
[Effect of ethaperazine on interoceptive reflexes beforeand afterirradiation of animals] Lapshin NA.
Radiobiologiia 10:920-2, Nov-Dec 70 (Rus)
[Characteristics of anesthesia with a nitrous oxide-oxygen mixture with added fluothane in ophthalmosurgery in children] Svirin AV, et al.
Vestn Oftalmol 6:76-80, Nov-Dec 70 (Rus)

REFLEX, ABNORMAL (C10, E1)

Stapedius muscle reflexes and oto-neurological examinations in brain-stem tumors. Greisen O, et al.
Acta Otolaryngol (Stockh) 70:366-70, Nov-Dec 70
Neurologic examination in an elderly population. Klawans HL Jr, et al. Dis Nerv Syst 32:274-9, Apr 71
Circulatory reflex response in diabetic patients with or without peripheral neuropathy. Bishnu SK, et al.
J Am Geriatr Soc 19:159-66, Feb 71
Cerebellum and nystagmus. The effect of caudal half fastigial nuclear lesions upon postcaloric nystagmus. Printz RH, et al. J Kans Med Soc 72:232-6, May 71
Reflex mechanisms in acute and chronic hemiplegia. Garcia-Mullin R, et al.
Neurology (Minneap) 20:396, Apr 70
Cerebral evoked potentials in reflex epilepsy. Green JB. Trans Am Neurol Assoc 95:244-6, 1970
[Palpebro-sternutatory reflex] Etzine S.
Bull Mem Soc Fr Ophtalmol 81:250-2, 1968 (Fre)
[Electrophysiologic analysis of the cutaneous reflex of defense of the lower limb: approach to an interpretation of Babinski's sign] Bathien N, et al.
Rev Neurol (Paris) 123:418-23, Dec 70 (Fre)
[Behavior of pathologic prehension (4 anatomoclinical cases)] Castaigne P, et al.
Rev Neurol (Paris) 123:5-15, Jul 70 (Fre)
[Clinical importance of Chvostek's sign of the facial muscles] Kuske FA.
Kinderaerztl Prax 38:385-90, Sep 70 (Ger)
[The diagnostic value of the corneomandibular reflex in the neurological examination] Holdorff B.
Z Neurol 199:183-91, 1971 (Ger)
[Psychoneurophysiologic research in neurotic subjects] Grasso AM, et al.
Acta Neurol (Napoli) 25:705-15, Nov-Dec 70 (Ita)
[Panic and hyperrectivity of the mimic mentalis muscles. (Studies of the palmo-mental reflex in persons exposed to the earthquake of Sicily during the panic state)] Liggio F.
Acta Neurol (Napoli) 25:489-96, Jul-Aug 70 (Ita)
[Congenital generalized erythematous telangiectasis of Bloom associated with osteo-tendineous areflexia and oligophrenia: the 1st case in Italy] Bertolino A, et al.
Rass Int Clin Ter 49:1331-47, 15 Nov 69 (Ita)
[Importance of cervical tonic reflexes in the origin of hemoplegia with flexion contracture of the lower limb] Ganassi M, et al.
Sist Nerv 22:293-7, Sep-Oct 70 (Ita)
[The nature of the initial inhibition of spinal cord reflexed in circulatory disorders] Kosheleva GG.
Nerv Sist 10:37-44, 1969 (Rus)
[The consequence of local vascular disorders in the clinical picture of spinal cord injury] Gapeeva LS.
Zh Nevropatol Psikhiatr 70:984-8, 1970 (Rus)
[Evaluation of reflexes from the nasal mucosa in patients with a psuedobulbar syndrome of vascular origin] Serebrov AM.
Zh Nevropatol Psikhiatr 71:55-60, 1971 (Rus)

COMPLICATIONS

Pregnancy in paraplegic patients: two case reports. Oppenhimer WM.
Am J Obstet Gynecol 110:784-6, 15 Jul 71
Miller-Fisher syndrome in a 22-month-old child. Qaqundah BY, et al. J Pediatr 77:868-70, Nov 70
Syndrome of acute idiopathic ophthalmoplegia with ataxia and areflexia. Elizan TS, et al.
Neurology (Minneap) 21:281-92, Mar 71

DRUG THERAPY

Autonomic hyperreflexia. Sizemore GW, et al.
Dokl Akad Nauk SSSR 184:1186, 21 Jan 69
Autonomic hyperreflexia. Sizemore GW, et al.
JAMA 214:1886, 7 Dec 70
[Changes in the faringeal reflex in workers exposed to hazards of saturnism and early experimental data on its treatment] Russo D.
Med Lav 60:203-12, Mar 69 (Ita)

ETIOLOGY

The cause of the Argyll Robertson pupil. Sears ML.
Am J Ophthalmol 72:488-9, Aug 71
False Babinski sign in poliomyelitis. el-Sherbini KB.
Arch Phys Med Rehabil 52:130-2, Mar 71
The corneomandibular reflex. Gordon RM, et al.
J Neurol Neurosurg Psychiatry 34:236-42, Jun 71
Autonomic hyper-reflexion. Pryor J.
N Engl J Med 285:860, 7 Oct 71
[Physiopathologic aspects of the blinking reflex] Penders CA, et al.
Rev Neurol (Paris) 122:454-5, Jun 70 (Fre)
[The functional characteristics of non-segmentary interneurons at the entrance to the spinal cord in rats with experimental malignant neoplasms] Bakhvala IuP. Patol Fiziol Eksp Ter 14:75-7, Nov-Dec 70 (Rus)

PHYSIOPATHOLOGY

Neurological mechanisms in stammering: an

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hypothesis. Wyke B.
Br J Disord Commun 5:6-15, Apr 70
Studies of spasticity in man. 5. Dishabituation of the flexion reflex in spinal man. Dimitrijević MR, et al. Brain 94:77-90, 1971
Replacement of normal reflex behavior with misdirected reflexes in skin-grafted Ronidae. Baker RE. Brain Res 24:549-50, 18 Dec 70
Physio-pathological aspects of the blink reflex. Penders A, et al.
Electroencephalogr Clin Neurophysiol 29:535-6, Nov 70
The orbicularis oculi reflex in multiple sclerosis. Namerow NS, et al.
Neurology (Minneap) 20:1200-3, Dec 70
[Studies of a decussate inhibiting reflex in the region of the quadriceps femoris muscle in man] Klepel H, et al.
Psychiatr Neurol Med Psychol (Leipz) 22:54-8, Feb 70 (Ger)

REFLEX, CONDITIONED (F1)

Further findings on the same-different differentiation with acoustic stimuli in dogs. Brown BL, et al.
Acta Neurobiol Exp (Warsz) 31:69-85, 1971
An attempt at modelling of the central alimentary system in higher animals. V. Instrumental conditioned reflexes. Konorski J, et al.
Acta Neurobiol Exp (Warsz) 30:397-414, 1970
Effect of food-satiation and food-deprivation upon the conditioned reflexes established by the Ellison-Konorski separation procedure. Miyata Y, et al. Acta Neurobiol Exp (Warsz) 31:47-58, 1971
A new hypothesis concerning the mechanism of formation of the conditioned reflex. Roitbak AI.
Acta Neurobiol Exp (Warsz) 30:81-94, 1970
Objective conditioned-reflex audiometry in children. Motta G, et al.
Acta Otolaryngol [Suppl] (Stockh) Suppl 273:1+, 1970
The rate and retention of the habituation of the shadow reflex in Balanus improvisus (Cirripedia). Lagerspetz KY, et al. Anim Behav 18:616-20, Nov 70
CS and UCS intervals and orders in human autonomic classical differential trace conditioning. Furedy JJ.
Can J Psychol 24:417-26, Dec 70
Comments on the brain as an effector organ for the study of conditional reflexes. Clemente CD.
Cond Reflex 5:153-5, Jul-Sep 70
Ocherk on mediating mechanisms of the conditional reflex. Schoenfeld WN.
Cond Reflex 5:165-70, Jul-Sep 70
Conditioned motor reflexes in cats with damage to the globus pallidus. Gambarian LS, et al.
Exp Brain Res 12:92-104, 1971
Cerebellar stimulation is effective as a CS at low stimulation intensities in rats. Asdourian D, et al.
J Comp Physiol Psychol 75:165-70, Apr 71
Attenuation of rat vocalizations to shock by a stimulus: sensory interaction effects? Badia P, et al.
J Comp Physiol Psychol 76:131-6, Jul 71
Classical conditioning and instrumental learning of cardiac and gastrointestinal responses following removal of neocortex in the rat. DiCara LV, et al.
J Comp Physiol Psychol 73:208-16, Nov 70
Trace and delayed heart-rate conditioning in rats as a function of US intensity. Fitzgerald RD, et al.
J Comp Physiol Psychol 70:242-53, Feb 70
Maintenance of a conditioned avoidance response in rabbits (Oryctolagus cuniculus) through random presentations of classical trials. Gilbert RM.
J Comp Physiol Psychol 70:264-9, Feb 70
Effects of multiple adjacent classical trials during extinction of an avoidance CR in rabbits. Gilbert RM, et al. J Comp Physiol Psychol 69:232-7, Oct 69
Partial reinforcement of a conditioned emotional response in rats. Hilton A.
J Comp Physiol Psychol 69:253-60, Oct 69
Effects of midbrain reticular lesions upon the orienting response in the rat. Kesner RP, et al.
J Comp Physiol Psychol 73:170-4, Oct 70
Classical conditioning of the rabbit's (Oryctolagus cuniculus) nictitating membrane response with fluctuating ISI and intracranial CS. Patterson MM.
J Comp Physiol Psychol 72:193-202, Aug 70
Summation and retardation tests of latent inhibition. Rescorla RA. J Comp Physiol Psychol 75:77-81, Apr 71
Sidman avoidance in rats as a function of shock intensity and duration. Riess D.
J Comp Physiol Psychol 73:481-5, Dec 70
Selective facilitation and inhibition of auditory and visual evoked responses during avoidance conditioning in cats. Saunders JG.
J Comp Physiol Psychol 76:15-25, Jul 71
Role of the intertrial interval in Pavlovian differential conditioning of fear in rats. Weisman RG, et al.
J Comp Physiol Psychol 74:211-8, Feb 71
Effects of intensity and the signal value of stimuli on the orienting and defensive responses. Cohen MJ, et al. J Exp Psychol 88:286-8, May 71
Cognition and conditioning: effects of masking the CS-UCS contingency on human GSR classical conditioning. Dawson ME.
J Exp Psychol 85:389-96, Sep 70
Specific appearance of sympathetic cholinergic vasodilatation in muscles during conditioned movements. Ellison GD, et al.
Nature (Lond) 232:124-5, 9 Jul 71
Conditioning the pupillary reflex with control for the orienting response. Tanck RH.
Percept Mot Skills 31:643-6, Oct 70
Retrograde amnesia and conditioned emotional response incubation reexamined. Dawson RG.
Psychol Bull 75:278-85, Apr 71
Effect of instructions and internal-external control of reinforcement on a conditioned finger-withdrawal response. Rothschild BH, et al.
Psychol Rep 26:395-400, Apr 70
Personality and habituation of the orienting reaction: tonic and response measures of electrodermal activity. Coles MG, et al.
Psychophysiology 8:54-63, Jan 71
Selective habituation of galvanic skin response component of the orientation reaction to an auditory stimulus. O'Gorman JG, et al.
Psychophysiology 6:716-21, May 70
Differentiation of conditioned and orienting response components in electrodermal conditioning. Ohman A.
Psychophysiology 8:7-22, Jan 71
Traumatic epilepsy with reflex and conditioned paroxysms. Stoica I. Rev Roum Neurol 8:141-60, 1971
Allergic and classically conditioned asthma in guinea pigs. Bouhuys A, et al. Science 173:82, 2 Jul 71
Behavioral assessment of absolute visual thresholds in the albino rat. Rosenberger PB, et al.
Vision Res 11:199-207, Mar 71
[Evocation of vestibular nystagmus with a technic of conditioned reflexes having different chronological thresholds] Arslan M.
Rev Laryngol Otol Rhinol (Bord) 91:860-3, Nov 70 (Fre)
[Preliminary study of certain reflexes induced by speech in child or adult psychiatry] Lelord G, et al.
Rev Neuropsychiatr Infant Suppl:27-38, 1968 (Fre)
[The influence of orotic acid on the significant change of conditioned stimulus] Ott T, et al.
Acta Biol Med Ger 25:181-3, 1970 (Ger)
[Minute-periodicity of sensorimotor reaction time in men and animals] Sinz R, et al.
Acta Biol Med Ger 24:917-20, 1970 (Ger)
[Formation of conditioned reactions in rats under urethane narcosis and their examination in consciousness] Sinz R.
Acta Biol Med Ger 26:733-46, 1971 (Ger)
[The conditioned reflex in investigations of behavior] Guensberger E. Bibl Psychiatr 147:38-66, 1971 (Ger)
[Hypnosis as conditioning and deconditioning therapy] Granone F. Minerva Med 61:4652-4, 20 Oct 70 (Ita)
[Capability to produce conditioned reflexes and catecholamine metabolism in the brain] Krause M, et al. Acta Physiol Pol 21:741-7, 1970 (Pol)
[Suppression of memory in rats with antibodies against the brain of trained rats] Dergachev VV, et al.
Biull Eksp Biol Med 71:12-5, Apr 71 (Rus)
[Effector structures of vascular reactions (plethysmographic and rheographic study of the orienting reflex)] Fantalova VL.
Biull Eksp Biol Med 70:15-8, Dec 70 (Rus)
[Analysis of fluctuations in the blood filling of an organ and pulse fluctuations of its volume as an example of studies of the orientation reflex] Fantalova VL.
Biull Eksp Biol Med 70:3-7, Aug 70 (Rus)
[The functional significance of a correlation of the biopotentials of the cerebral cortex] Livanov MN, et al. Biull Eksp Biol Med 63:14-9, Nov 67 (Rus)
[The possibility of elaborating a conditioned defense reflex in an awake rabbit in an acute experiment] Shvyrkov VB. Biull Eksp Biol Med 65:3-7, 1968 (Rus)
[Effect of electroshock on memory function and neuroglial connections in the rat brain] Aleksandrovskaia MM, et al.
Dokl Akad Nauk SSSR 197:1216-7, 1971 (Rus)
[Role of the pallidum and hippocampus in the formation of the functional system of motor behavior] Gambarian LS.
Dokl Akad Nauk SSSR 196:984-6, 1 Feb 71 (Rus)
[State of the inhibitory processes in the spinal cord in experimental thyrotoxicosis] Gol'ber LM, et al.
Dokl Akad Nauk SSSR 196:987-9, 1 Feb 71 (Rus)
[Conditioned-reflex differentiation of excitation mosaics caused by direct electric stimulation of the visual cortex] Kogan AB, et al.
Dokl Akad Nauk SSSR 196:243-5, Jan-Feb 71 (Rus)
[Modelling of an adequate light signal by electric stimulation of the visual cortex] Kogan AB, et al.
Dokl Akad Nauk SSSR 187:215-6, 1 Jul 69 (Rus)
[Degree of indifference of the conditioned stimulus: light self stimulation] Myslobodskiĭ MS, et al.
Dokl Akad Nauk SSSR 196:978-80, 1971 (Rus)
[Effect of training of nervous processes on the weight and cholinesterase activity of the brain] Obraztsova GA, et al.
Dokl Akad Nauk SSSR 186:1449-51, 27 Jun 69 (Rus)
[Dynamics of formation and conservation duration of trace processes in man during ontogeny] Voronin LG, et al. Dokl Akad Nauk SSSR 195:1468-71, 1970 (Rus)
[Method of studying conditioned oculomotor reactions to acoustic signals in children] Aliakrinskiĭ VV, et al.
Fiziol Zh SSSR 57:313-4, Feb 71 (Rus)
[Elaboration of conditioned vasodilating reflexes in man] Fikhtel' K. Fiziol Zh SSSR 56:610-7, Apr 70 (Rus)
[Method of ECG recording and determination of defense reaction threshold in small animals in chronic experiments] Kondraev EN, et al.
Fiziol Zh SSSR 57:315-7, Feb 71 (Rus)
[Role of the thalamo-cortical projection system in motor-defensive instrumental reflexes] Shapovalova KB. Fiziol Zh SSSR 57:937-47, Jul 71 (Rus)
[Conditioned reflex and physiology of the sense organs (differentiation and discrimination)] Suvorov NF.
Fiziol Zh SSSR 57:329-40, Mar 71 (Rus)
[Study of conditioned reflex in animals (white rats) under the effects of ultrashort and short waves] Lobanova EA, et al.
Gig Tr Prof Zabol 15:29-33, Jan 71 (Rus)
[An electroencephalographic study of the interaction of sensorily isolated subjects by the conditioned reflex method] Leutin VP.
Nerv Sist 9:172-6, 1968 (Rus)
[The importance of the probability of stimuli in the formation of a motor stereotype] Osipova OV.
Nerv Sist 9:114-9, 1968 (Rus)
[Development and retention of conditioned reflexes during mass and prolonged training of animals from 2 different genetic lines in the process of adapting to high hypoxia] Meerson FZ, et al.
Sov Zdravookhr Kirg 4:38-46, Jul-Aug 70 (Rus)
[The role of the hypothalamus in conditioned reflex activity] Kaliuzhnyĭ LV.
Usp Sovrem Biol 68:361-80, Nov-Dec 69 (168 ref.) (Rus)
[Types of acquired reactions in invertebrates (phylogenesis of the memory mechanisms)] Voronin LG, et al.
Usp Sovrem Biol 64:312-32, Sep-Oct 67 (177 ref.) (Rus)
[Use of the information received by 1 hemisphere in the joint activity of both hemispheres and the information received by both hemispheres during the activity of 1 of them] Bianki VL.
Vestn Leningr Univ [Biol] 1:78-83, Feb 70 (Rus)
[Apparatus for hearing examination in children 1-3 years of age, using orientation conditioned reflex] Lifanov VL, et al.
Zh Ushn Nos Gorl Bolezn 31:99-100, May-Jun 71 (Rus)
[Changes in the electroencephalogram and alimentary conditioned reflex activity following short-term hypoxia] Agadzhanian NA, et al.
Zh Vyssh Nerv Deiat 19:369-71, Mar-Apr 69 (Rus)
[Prolonged periodic phenomena in the brain during elaboration of a conditioned defense reflex] Aladzhalova NA, et al.
Zh Vyssh Nerv Deiat 21:27-34, Jan-Feb 71 (Rus)
[Dynamics of evoked potentials during the development of the motor food conditioned reflex] Arutiunian SA.
Zh Vyssh Nerv Deiat 20:1175-81, Nov-Dec 70 (Rus)
[The importance of interhemispheric interaction in the organization of complex coordinated conditioned motor reactions in dogs] Aslanova IF.
Zh Vyssh Nerv Deiat 21:457-62, 1971 (Rus)
[One of the profound ideas of I. P. Pavlov] (Pavlov IP), Asratian EA.
Zh Vyssh Nerv Deiat 20:269-79, Mar-Apr 70 (Rus)
[Mechanism and localization of conditioned inhibition] Asratian EA.
Zh Vyssh Nerv Deiat 19:195-211, Mar-Apr 69 (53 ref.) (Rus)
[The physiology of conditioned reflex reinforcement] Asratian EA.
Zh Vyssh Nerv Deiat 21:3-13, Jan-Feb 71 (Rus)
[Conditioned reflex to time in rabbits and the effect on it of the strength of the unconditioned stimulus] Atnagulov RIa.
Zh Vyssh Nerv Deiat 21:627-30, May-Jun 71 (Rus)
[Frontal lobes of the large hemispheres as an apparatus of interanalyzer integration in dogs] Batuev AS.
Zh Vyssh Nerv Deiat 19:270-8, Mar-Apr 69 (Rus)
[The role of the temporal regions of the neocortex in the integration of cerebral activity] Belenkov NIu, et al. Zh Vyssh Nerv Deiat 20:317-26, Mar-Apr 70 (Rus)
[Effect of large doses of super-high-frequency electromagnetic fields on the nervous system of animals during conditioned-reflex activity] Belokrinitskiĭ VS.
Zh Vyssh Nerv Deiat 21:525-34, May-Jun 71 (Rus)
[Interhemispheric synthesis of conditioned motor reactions elaborated at different angles] Bianki VL.
Zh Vyssh Nerv Deiat 20:493-8, Jul-Aug 70 (Rus)
[Relation of the characteristics of cortical evoked potentials to the signal significance of the acoustic stimulus in conditions of switching over] Borukaev RK. Zh Vyssh Nerv Deiat 20:1168-74, Nov-Dec 70 (Rus)
[Direct cortical responses during elaboration and extinction of conditioned defensive reflexes in dogs] Chilingarian LI, et al.
Zh Vyssh Nerv Deiat 20:522-8, Jul-Aug 70 (Rus)
[Exaltation phase in the restoration of functions following a lesion of the cerebral cortex] Dang Tkhu.
Zh Vyssh Nerv Deiat 16:131-3, Jan-Feb 66 (Rus)
[Salivary conditioned reflexes during chronic painful stimulation] Danilov GE.
Zh Vyssh Nerv Deiat 20:1149-54, Nov-Dec 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The rhythm of alertness and its neuronal correlates in the rabbit thalamus] Danilova NN, et al. Zh Vyssh Nerv Deiat 21:566-71, 1971 (Rus)
[The specificity of feed-back connections] Daurova FK, et al. Zh Vyssh Nerv Deiat 20:1063-5, Sep-Oct 70 (Rus)
[Functional state of the auditory cortex during the action of adequate (conditioned) and inadequate stimuli] Daurova FK. Zh Vyssh Nerv Deiat 21:631-3, May-Jun 71 (Rus)
[The role of the head of the caudate nucleus in the conditioned reflex behavior of dogs] Denisova AS. Zh Vyssh Nerv Deiat 20:947-54, Sep-Oct 70 (Rus)
[Role of stereotype structure in the rate of formation of conditioned reflexes] Dmitriev IuS. Zh Vyssh Nerv Deiat 19:257-60, Mar-Apr 69 (Rus)
[Feeding behavior in dogs during ontogenesis] Dobrovol'skaia VN. Zh Vyssh Nerv Deiat 20:961-8, Sep-Oct 70 (Rus)
[Reflection of various functional states of the cerebral cortex in the electroencephalograms of dogs] Dumenko VN. Zh Vyssh Nerv Deiat 20:992-9, Sep-Oct 70 (Rus)
[Characteristics of the changes in electrical activity of the dog cerebral cortex during food-procuring conditioning] Dumenko VN. Zh Vyssh Nerv Deiat 20:1301-3, Nov-Dec 70 (Rus)
[Dynamics of the EEG and reactions of visual cortex neurons to a conditioned stimulus] Fadeev IuA. Zh Vyssh Nerv Deiat 20:555-62, Jul-Aug 70 (Rus)
[Electrophysiologic analysis of food-getting conditioned reflexes to stimulation of cerebellar nuclei in cats] Fanardzhian VV, et al. Zh Vyssh Nerv Deiat 20:982-91, Sep-Oct 70 (Rus)
[Interaction between negative and positive unilateral conditioned reflexes (according to the quantity and quality of salivary secretion)] Fomicheva EE. Zh Vyssh Nerv Deiat 19:698-700, Jul-Aug 69 (Rus)
[The function of the auditory system in the integrative (conditioned reflex) activity of the brain] Gasanov UG. Zh Vyssh Nerv Deiat 20:422-30, Mar-Apr 70 (56 ref.) (Rus)
[The role of a nociceptive stimulus in the mechanism of avoidance reflex formatin] Gasanova RL. Zh Vyssh Nerv Deiat 21:83-9, Jan-Feb 71 (Rus)
[The effect of destruction of the posterior colliculi on the conditioned reflex activity in cats and the primary responses of the temporal region of the cortex] Goreva OA, et al. Zh Vyssh Nerv Deiat 21:448-56, 1971 (Rus)
[The importance of cortical vestibular projection zones in elaboration of vestibular conditioned reflexes and in spatial orientation in cats] Gorgiladze GI. Zh Vyssh Nerv Deiat 20:663-5, Jul-Aug 70 (Rus)
[Coordination between the extremities during realization of local motor conditioned reactions in dogs] Ioffe ME, et al. Zh Vyssh Nerv Deiat 19:557-65, Jul-Aug 69 (Rus)
[Participation of the pyramidal system in the presetting of motor activity in dogs] Ioffe ME. Zh Vyssh Nerv Deiat 20:1292-4, Nov-Dec 70 (Rus)
[Role of the superior olives in the analysis of acoustic stimuli] Kalinina TE, et al. Zh Vyssh Nerv Deiat 21:479-86, May-Jun 71 (Rus)
[Evoked potential changes during elaboration of a food-getting conditioned reflex and some types of internal inhibition in rabbits] Kaliuzhnyĭ LV. Zh Vyssh Nerv Deiat 21:486-94, 1971 (Rus)
[Parameters of the motor reaction] Kartsev ID, et al. Zh Vyssh Nerv Deiat 21:641-4, May-Jun 71 (Rus)
[Characteristics of the joint work of the large hemispheres during formation of a dynamic stereotype] Kas'ianov VM, et al. Zh Vyssh Nerv Deiat 19:250-6, Mar-Apr 69 (Rus)
[Interaction of unilateral unconditioned and conditioned reflexes in dogs following complete sagittal isolation of some brain structures] Khananashvili MM, et al. Zh Vyssh Nerv Deiat 20:1304-6, Nov-Dec 70 (Rus)
[Conditioned reflex behavior in animals when using signals in stereotyped, random and mixed sequences] Khananashvili MM. Zh Vyssh Nerv Deiat 20:340-51, Mar-Apr 70 (Rus)
[Changes in neuronal impulse reactions and evoked responses of the rabbit visual cortex upon elaboration of conditioned reflexes] Kondrat'eva IN, et al. Zh Vyssh Nerv Deiat 20:1000-9, Sep-Oct 70 (Rus)
[Frequency-threshold characteristics of the auditory system of bats measured by a conditioned-reflex method] Konstantinov AI, et al. Zh Vyssh Nerv Deiat 21:535-41, May-Jun 71 (Rus)
[Conditioned reactions to time in the neurons of the dorsal hippocampus] Kopytova FV, et al. Zh Vyssh Nerv Deiat 20:1221-30, Nov-Dec 70 (Rus)
[Changes in the activity of amygdala neurons during elaboration and extinction of a conditioned reflex] Korolev EB. Zh Vyssh Nerv Deiat 21:603-5, 1971 (Rus)
[Disorders in the regulation of the general functional state of the brain following destruction of non-specific structures] Kostenetskaia NA, et al. Zh Vyssh Nerv Deiat 21:538-44, 1971 (Rus)
[The role of conditioned reflex mechanisms in the course of higher nervous activity disorders in the presence of non-specific lesions of brain structures] Kostenetskaia NA. Zh Vyssh Nerv Deiat 21:14-20, Jan-Feb 71 (Rus)
[Visual cortex neuron activity during association of sound with rhythmic light in rabbits] Kotliar BI, et al. Zh Vyssh Nerv Deiat 21:157-63, Jan-Feb 71 (Rus)
[Changes in the electroencephalogram and indices of conditioned reflex behavior in cats upon analysis of acoustic signals of abbreviated duration] Kratin IuG, et al. Zh Vyssh Nerv Deiat 20:537-44, Jul-Aug 70 (Rus)
[Reflection, inhibition, and the conditioned reflex] Kratin IuG. Zh Vyssh Nerv Deiat 20:327-39, Mar-Apr 70 (Rus)
[The phenomenon of memory] Kruglikov RI. Zh Vyssh Nerv Deiat 21:419-22, 1971 (Rus)
[Possibility of transmitting a conditioned connection by means of a biochemical substrate] Krylov OA, et al. Zh Vyssh Nerv Deiat 19:286-92, Mar-Apr 69 (Rus)
[Influence of intermittent photic stimulation on higher nervous activity of dogs] Kudriavtseva NN. Zh Vyssh Nerv Deiat 16:134-5, Jan-Feb 66 (Rus)
[Conditioned alimentary and defense reflexes in monkeys following extirpation of individual fields of the frontal region of the cerebral cortex] Lagutina NI, et al. Zh Vyssh Nerv Deiat 20:1131-8, Nov-Dec 70 (Rus)
[The course of the alimentary reflex in dogs during direct electrical stimulation of the corpus fornicis] Lapina IA, et al. Zh Vyssh Nerv Deiat 21:21-6, Jan-Feb 71 (Rus)
[The characteristics of conditioned relfexes to photic and acoustic stimuli in rats] Lozhkin NI. Zh Vyssh Nerv Deiat 20:666-7, Jul-Aug 70 (Rus)
[Change in distant synchronization of cortical biopotentials in the process of formation of a temporary connection] Luchkova TI. Zh Vyssh Nerv Deiat 21:509-16, May-Jun 71 (Rus)
[The effect of the mesencephalic reticular formation on the conditioned alimentary motor reaction] Macharashvili DV. Zh Vyssh Nerv Deiat 21:601-2, 1971 (Rus)
[The state of higher nervous activity in dogs revived after prolonged periods of death from electrotrauma] Makarenko NV, et al. Zh Vyssh Nerv Deiat 21:61-8, Jan-Feb 71 (Rus)
[Participation of phylogenetically different sections of the cerebellum in the organization of complex behavioral acts of higher mammals] Maliukova IV. Zh Vyssh Nerv Deiat 21:472-8, May-Jun 71 (Rus)
[Conditioned reflexes during concentrated and prolonged learning in animals of 2 different genetic lines undergoing adaptation to high altitude hypoxia] Meerson FZ, et al. Zh Vyssh Nerv Deiat 21:470-7, 1971 (Rus)
[Role of the frontal brain areas in the formation of conditioned reactions adequate to the magnitude and probability of their reinforcement] Mekhedova ALa. Zh Vyssh Nerv Deiat 21:459-64, May-Jun 71 (Rus)
[Partial and probable reinforcement of conditioned reflexes] Menitskiĭ DN, et al. Zh Vyssh Nerv Deiat 20:457-85, Jul-Aug 70 (117 ref.) (Rus)
[Change in the recruitment reaction and its late components during electrodefensive instrumental conditioned reflexes in dogs] Merzhanova GKh. Zh Vyssh Nerv Deiat 21:517-24, May-Jun 71 (Rus)
[The role of corticofugal influences in affecting the dominant and the conditioned reflex] Meshcherskiĭ RM. Zh Vyssh Nerv Deiat 16:14-8, Jan-Feb 66 (Rus)
[Intercentral relationships in a stable complex rhythmic stereotype of reflexes] Murav'eva NP, et al. Zh Vyssh Nerv Deiat 20:908-16, Sep-Oct 70 (Rus)
[The influence of the elaboration of a new reflex stereotype on the functional state of the brain and experimental neurosis] Murav'eva NP, et al. Zh Vyssh Nerv Deiat 21:478-85, 1971 (Rus)
[Changes in higher nervous activity under the influence of acceleration in rats during ontogenesis] Nudman SI. Zh Vyssh Nerv Deiat 21:502-8, 1971 (Rus)
[An apparatus for programming a conditioned reflex experiment] Ormandzhiev S, et al. Zh Vyssh Nerv Deiat 20:677-80, Jul-Aug 70 (Rus)
[Facilitation of conditioned reflex crossing over of heterogeneous conditioned reflexes in rats following destruction of the hippocampus] Pigareva ML. Zh Vyssh Nerv Deiat 20:932-40, Sep-Oct 70 (Rus)
[Vascular conditioned reflex elaboration in man to change in the intensity of a high frequency electromagnetic field] Piekhanov GF, et al. Zh Vyssh Nerv Deiat 16:34-7, Jan-Feb 66 (Rus)
[Conditioned reflex components in the functional structure of a motor habit] Popova EI. Zh Vyssh Nerv Deiat 19:574-9, Jul-Aug 69 (Rus)
[Dynamics of the form of evoked potentials during formation of a defensive conditioned reflex to an intermittent photic stimulus] Popova NS. Zh Vyssh Nerv Deiat 20:545-54, Jul-Aug 70 (Rus)
[Role of the posterior colliculi in the formation of a defensive conditioned reaction to intermittent acoustic stimuli] Popova NS. Zh Vyssh Nerv Deiat 20:1139-48, Nov-Dec 70 (Rus)
[The dynamics of the form of evoked potentials at different levels of the auditory system in dogs during formation of a defense conditioned reflex] Popova NS. Zh Vyssh Nerv Deiat 21:438-47, 1971 (Rus)
[Relative role of tonic and phasic conditioned stimuli] Preobrazhenskaia LA. Zh Vyssh Nerv Deiat 19:219-26, Mar-Apr 69 (Rus)
[The quantitative characteristics of the summation reaction] Pressman IaM, et al. Zh Vyssh Nerv Deiat 19:566-73, Jul-Aug 69 (Rus)
[Microelectrode studies of the neuronal mechanisms of the conditioned reflex] Rabinovich MIa. Zh Vyssh Nerv Deiat 20:303-16, Mar-Apr 70 (55 ref.) (Rus)
[Dynamics of evoked potentials in human EEG in response to tactile stimuli, and their combination with sound] Raeva SN. Zh Vyssh Nerv Deiat 16:67-75, Jan-Feb 66 (Rus)
[Mechanism of functional reorganization of the cortical end of the motor analyzer during elaboration and switching over of tonic reflexes] Romanovskaia EA. Zh Vyssh Nerv Deiat 19:212-8, Mar-Apr 69 (Rus)
[Conditioned reflex reorganization of evoked potentials in cortical projection of an unconditioned stimulus during elaboration of a defense reflex to the surroundings] Romanovskaia EA. Zh Vyssh Nerv Deiat 21:76-82, Jan-Feb 71 (Rus)
[Changes in the characteristic reaction to a signal stimulus during elaboration of simple and complex conditioned reflexes] Rudenko LP. Zh Vyssh Nerv Deiat 20:923-31, Sep-Oct 70 (Rus)
[Reverse conditioned connections in conditioned reflex switching over] Rudenko LP. Zh Vyssh Nerv Deiat 21:35-41, Jan-Feb 71 (Rus)
[The characteristics of tonic conditioned reflexes] Rudenko LP. Zh Vyssh Nerv Deiat 21:431-7, 1971 (Rus)
[Electrographic indices during defensive conditioned reflexes to direct stimulation of the external geniculate body in cats] Samoĭlova LG. Zh Vyssh Nerv Deiat 21:501-8, May-Jun 71 (Rus)
[Changes in the pattern of augmenting responses during reversal of coinciding conditioned reflexes into trace reflexes] Serdiuchenko VM. Zh Vyssh Nerv Deiat 19:357-9, Mar-Apr 69 (Rus)
[The influence of a specific posterior ventral thalamic nucleus on extero- and interoceptive alimentary conditioned reflexes] Shapovalova KB. Zh Vyssh Nerv Deiat 20:505-14, Jul-Aug 70 (Rus)
[Evoked potentials in the cortical projection of a signal stimulus during the formation of a conditioned reflex in ontogenesis] Shiliagina NN. Zh Vyssh Nerv Deiat 21:492-500, May-Jun 71 (Rus)
[Lenin's theory of reflection and various philosophical problems in modern neurophysiology] Shingarov GKh. Zh Vyssh Nerv Deiat 20:251-68, Mar-Apr 70 (Rus)
[Effect of some factors on memory consolidation in Wistar line rats] Shiriaeva NV. Zh Vyssh Nerv Deiat 21:621-3, May-Jun 71 (Rus)
[The effect of removal of individual portions of the neocortex on the course of motor alimentary conditioned reflexes, the functional morphologic state of cortical neurons] Shliafer TP, et al. Zh Vyssh Nerv Deiat 21:47-53, Jan-Feb 71 (Rus)
[The relationship between the evoked activity of the projection and association zones of the cat cerebral cortex during formation of differentiated inhibition of the alimentary reflex] Shugalev NP. Zh Vyssh Nerv Deiat 21:54-60, Jan-Feb 71 (Rus)
[The interrelationship between the respiratory, cardiac and cardiovascular components of the alimentary conditioned reflex during the ontogenesis of dogs with different types of nervous system] Sirotskiĭ VV. Zh Vyssh Nerv Deiat 19:701-3, Jul-Aug 69 (Rus)
[Hippocampus and visceral conditioned reflexes] Sitdikova VV. Zh Vyssh Nerv Deiat 20:1161-7, Nov-Dec 70 (Rus)
[Inclusion of visual and association cortex neurons in a temporary connection in cats] Smetankin GN. Zh Vyssh Nerv Deiat 20:563-9, Jul-Aug 70 (Rus)
[Conditioned reflex to time and its course in conditions of hypoxia] Sokolov EN, et al. Zh Vyssh Nerv Deiat 20:1123-30, Nov-Dec 70 (Rus)
[Direct and reverse connections in pairing passive movements of the paw with acid] Struchkov MI. Zh Vyssh Nerv Deiat 21:206-8, Jan-Feb 71 (Rus)
[Direct and reverse conditioned connections in association of food and electrocutaneous stimulations] Struchkov MI. Zh Vyssh Nerv Deiat 21:423-30, 1971 (Rus)
[Analysis of conditioned reflex transformation of a motor reaction] Stul' NI. Zh Vyssh Nerv Deiat 20:941-6, Sep-Oct 70 (Rus)
[Participation of the basolateral section of the amygdala in conditioned-reflex activity] Suvorov NF, et al. Zh Vyssh Nerv Deiat 21:451-8, May-Jun 71 (Rus)
[Change in alimentary conditioned reflexes during stimulation of cholinoreactive structures of the dog globus pallidus] Suvorov VV. Zh Vyssh Nerv Deiat 21:465-71, May-Jun 71 (Rus)
[Conditioning of avoidance and alimentary reflexes to electrical skin stimulation] Tashmukhamedova MI. Zh Vyssh Nerv Deiat 16:128-30, Jan-Feb 66 (Rus)
[Nucleic acid concentration in cerebral cortex nerve cells upon disruption of higher nervous activity] Tokarenko II. Zh Vyssh Nerv Deiat 19:692-7, Jul-Aug 69 (Rus)
[Statistical controllability of a process as an index of the constancy of the conditions in work with positive

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

conditioned reflexes] Trifonov EV.
Zh Vyssh Nerv Deiat 19:587-92, Jul-Aug 69 (Rus)
[The effect of probable reinforcement on the dynamics of defense conditioned reflexes in rabbits] Trubachev VV. Zh Vyssh Nerv Deiat 20:917-22, Sep-Oct 70 (Rus)
[Effect of destruction of some hypothalamic nuclei on visceral chemical conditioned reflexes] Udalova GP. Zh Vyssh Nerv Deiat 19:360-2, Mar-Apr 69 (Rus)
[Changes in sensory after-discharge to light during elaboration of a classic defensive conditioned reflex] Varga ME, et al.
Zh Vyssh Nerv Deiat 20:975-81, Sep-Oct 70 (Rus)
[A means of elaborating a classic defensive (washing) conditioned reflex in rats] Varga ME, et al.
Zh Vyssh Nerv Deiat 19:716-22, Jul-Aug 69 (Rus)
[An analysis of changes in cortical evoked potentials upon elaboration of conditioned defense reflexes in dogs] Varga ME.
Zh Vyssh Nerv Deiat 20:515-21, Jul-Aug 70 (Rus)
[Classification of acquired motor reactions] Varga ME.
Zh Vyssh Nerv Deiat 19:227-32, Mar-Apr 69 (Rus)
[Role of some associative thalamic nuclei in the formation of conditioned reflexes to a simultaneous complex in cats] Vasil'eva LA.
Zh Vyssh Nerv Deiat 20:1182-8, Nov-Dec 70 (Rus)
[The effect of changed intensity of the conditioned stimulus on the delayed conditioned reflex] Vasil'eva ZA. Zh Vyssh Nerv Deiat 16:28-33, Jan-Feb 66 (Rus)
[Conditioned cardiac reflexes in fish to stimulation of the surface of the head with sugar solutions] Vasilevskaia NE, et al.
Zh Vyssh Nerv Deiat 21:495-501, 1971 (Rus)
[The effect of removal of the dorsal portion of the hippocampus on elaboration and preservation of trace conditioned reflexes in dogs] Vavilova NM.
Zh Vyssh Nerv Deiat 21:90-7, Jan-Feb 71 (Rus)
[Formation and interaction of two systems of conditioned reflexes elaborated simultaneously with stereotyped and random series of reinforcement signals] Voevodina ON, et al.
Zh Vyssh Nerv Deiat 20:1076-8, Sep-Oct 70 (Rus)
[Interaction between 2 systems of conditioned reflexes elaborated on the basis of stereotypic and random reinforcement of the stimuli] Voevodina ON, et al.
Zh Vyssh Nerv Deiat 21:612-3, May-Jun 71 (Rus)
[A physiologic analysis of the interrelationship between conscious and unconscious trace processes in time measurement] Voronin LG, et al.
Zh Vyssh Nerv Deiat 20:899-905, Sep-Oct 70 (Rus)
[Some characteristics of higher nervous activity of the Black Sea dolphin Tursiops truncatus] Voronin LG, et al. Zh Vyssh Nerv Deiat 19:233-42, Mar-Apr 69 (Rus)
[The role of a number ofconditioned stimuli in their successive differentiation] Zakher Iulia.
Zh Vyssh Nerv Deiat 19:704-6, Jul-Aug 69 (Rus)
[The role of intervals between absolute and relative stimuli in their successive differentiation] Zakher Iulia. Zh Vyssh Nerv Deiat 21:201-3, Jan-Feb 71 (Rus)
[Conditioned reflexes in brown bears to relative and absolute values of cues] Zakher Iulia.
Zh Vyssh Nerv Deiat 21:606-8, 1971 (Rus)
[Vicarious processes in the central section of the visceral analyzers] Zubkova NA.
Zh Vyssh Nerv Deiat 20:1260-7, Nov-Dec 70 (Rus)
[Development and course of conditioned inhibition in chickens in ontogeny] Polivana MF, et al.
Fiziol Zh 16:645-9, Sep-Oct 70 (Ukr)
[Age- and conditioned reflex changes in ECG of pups of various higher nervous activity type in early ontogeny] Sirotskif VV, et al.
Fiziol Zh 14:12-21, Jan-Feb 68 (Ukr)
[Change in arterial blood pressure under food-conditioned reflexes in dogs with different types of nervous system] Sirotskif VV.
Fiziol Zh 16:74-81, Jan-Feb 70 (Ukr)
[Methods for determination of typologic peculiarities in higher nervous activity in cats] Troshikhin VA, et al. Fiziol Zh 16:695-7, Sep-Oct 70 (Ukr)
[Formation and strenghthening of food conditioned reflexes from scent analyzer in fish (carp) in ontogeny] Troshikhin VO, et al.
Fiziol Zh 14:812-4, Nov-Dec 68 (Ukr)
[Structure of alimantary center] Vakoliuk NI.
Fiziol Zh 17:200-8, Mar-Apr 71 (Ukr)
[Effect of antibrain cytotoxic serum on the formation of typological properties of the higher nervous activity] Vovk SI. Fiziol Zh 16:61-7, Jan-Feb 70 (Ukr)
[Correlation between excitative and inhibitory processes in epileptic patients] Zapotochnyi BO.
Fiziol Zh 16:850-4, Sep-Oct 70 (Ukr)

DRUG EFFECTS

Psychopharmacologic effects of some cholinesterase inhibitors in comparison with imipramine. Fekete M, et al. Psychopharmacologia 18:238-48, 1970
Effects of lysergic acid diethylamide (LSD25) on short-term memory in cat. Sterescu-Volanschi M, et al. Rev Roum Physiol 7:225-34, 1970
[Hallucinogenic drugs and the psychopharmacology of the conditioned reflex] Sivadjian J.
Therapie 25:1059-66, Nov-Dec 70 (Fre)
[Effect of guaiacol glyceryl ether on the formation of conditioned reflexes, "EEG" arousal and spontaneous bioelectric activity of brain in rats] Sinz R, et al.
Acta Biol Med Ger 24:857-69, 1970 (Ger)
[Influence of isoniazid (INH) on the central nervous system and the antagonism between isoniazid and pyridoxine as well as pantothenic acid and coumarin from Melilotus officinalis in rats] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1620+, Nov 70 (Ger)
[Effect of chlorpromazine on conditioned reflexes and antagonistic activity of coumarin from Melilotus officinalis] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1619+, Nov 70 (Ger)
[Studies of triethyltin-sulfate-induced brain edema in rats. 7. Therapeutic effect of silymarin, theophyllin and mannit on triethyltin sulfate poisoning in rats in a conditioned reflex test] Zoltán OT, et al.
Arzneim Forsch 20:1248-9, Sep 70 (Ger)
[Effect of some inhibitors and etabolites of catecholamine metabolism on processes of fixation and reproduction of memory traces] Baru AM, et al.
Biull Eksp Biol Med 70:45-8, Sep 70 (Rus)
[Changes in various central effects of serotonin in cats receiving antidepressants] Glushko LF, et al.
Biull Eksp Biol Med 71:51-3, Mar 71 (Rus)
[The effect of thyroid hormones introduced into the posterior hypothalamic nucleus on conditioned reflex activity] Amiragova MG, et al.
Dokl Akad Nauk SSSR 191:720-2, 1970 (Rus)
[Effect of amizil on the development and fixation of passive avoidance conditioned reflexes] Kruglikov RI. Dokl Akad Nauk SSSR 189:682-4, Nov 69 (Rus)
[Mechanism of the inhibitory effect of aminazin on the locking function of the cortex] Mnukhina RS, et al.
Dokl Akad Nauk SSSR 191:253-6, Mar-Apr 70 (Rus)
[Effect of mexamine on higher nervous activity in monkeys] Norkina LN, et al.
Farmakol Toksikol 33:521-3, Sep-Oct 70 (Rus)
[Pharmacology of the derivatives of 6,8-dimethylimidazoline(1,2-f) xanthine] Vlasov VV, et al. Farmakol Toksikol 33:582-6, Sep-Oct 70 (Rus)
[Effect of tranquilizing and antidepressive agents on the summation of impulses in the central nervous system] Zakusov VV.
Farmakol Toksikol 34:7-9, 1971 (Rus)
[An analysis of the mechanisms of aminazine action on the higher divisions of the CNS using an experimental model of cerebral pathology] Afrapetiants MG, et al.
Zh Vyssh Nerv Deiat 21:169-75, Jan-Feb 71 (Rus)
[Change in complex forms of conditioned reflexes caused by the application of lysergic acid diethylamide (LSD) and mescaline to the cortical ends of the auditory and visual analyzers] Alekseeva LA. Zh Vyssh Nerv Deiat 19:279-85, Mar-Apr 69 (Rus)
[Pharmacological regulation of the formation of a probabilistic stereotype in dogs (effect of acephene)] Mekhedova AIa.
Zh Vyssh Nerv Deiat 19:366-8, Mar-Apr 69 (Rus)
[Effect of different doses of aminazine on conditioned reflex, metabolism and restorative reaction in dogs of various types of nervous system] Solodiuk NF, et al.
Fiziol Zh 14:744-9, Nov-Dec 68 (Ukr)

REFLEX, MONOSYNAPTIC (G1)

Spino-bulbo-spinal reflex inhibition of monosynaptic extensor reflexes of hindlimb in cats. Magherini PC, et al. Arch Ital Biol 109:110-29, Jun 71
Proprioceptive influence on supraspinal descending inhibitory mechanisms. Thoden U, et al.
Arch Ital Biol 109:130-51, Jun 71
Spinal motoneuron excitability in normal subjects and hemiplegic patients. Miglietta O.
Arch Phys Med Rehabil 51:696-701, Dec 70
Rubrospinal monosynaptic connexion with last-order interneurones of polysynaptic reflex paths. Baldissera F, et al. Brain Res 27:390-2, 2 Apr 71
Effects of muscle vibration on the pre- and postsynaptic components of the extensor monosynaptic reflex. Barnes CD, et al.
Brain Res 18:384-8, 3 Mar 70
Presynaptic inhibition of extensor monosynaptic reflex by La afferents from flexors. Barnes CD, et al.
Brain Res 18:380-3, 3 Mar 70
A comparison of the effects of stimulation of the red nucleus on the monosynaptic reflex in the forelimb and hindlimb of the cat. Bradley DJ, et al.
Brain Res 29:151-4, 4 Jun 71
Masseteric reflex inhibition induced by afferent impulses in the hypoglossal nerve. Nakamura Y, et al.
Brain Res 18:241-55, 3 Mar 70
H reflex in parkinsonism. A pre- and postoperative study. Laitinen LV, et al. Confin Neurol 32:88-92, 1970
Red nucleus fast activity and signs of paradoxical sleep appearing during the extinction of experimental seizures. Fernández-Guardiola A, et al.
Electroencephalogr Clin Neurophysiol 30:547-55, Jun 71
A comparative analysis of H- and M-responses and of general muscular electrogenesis in spasticity. Novikova VP.
Electromyography 10:145-53, May-Aug 70
Excitability changes of extensor motoneurons and primary afferent endings during prolonged stimulation of flexor afferents. Decandia M, et al.
Exp Brain Res 12:150-60, 25 Feb 71
Patterns of activation in a monosynaptic cortical pathway: the perforant path input to the dentate area of the hippocampal formation. Lomo T.
Exp Brain Res 12:18-45, 1971
Potentiation of monosynaptic EPSPs in the perforant path-dentate granule cell synapse. Lomo T.
Exp Brain Res 12:46-63, 1971
Supraspinal monosynaptic excitation and inhibition of thoracic back montoneurons. Wilson VJ, et al.
Exp Brain Res 11:282-95, 1970
A trigeminal monosynaptic reflex in reptilia. Desole C, et al. Exp Neurol 32:287-94, Aug 71
The monosynaptic spinal cord reflex activity changes in stuttering. Lašťovka M.
Folia Phoniatr (Basel) 22:129-38, 1970
Duration of masseteric silent period in patients with TMJ syndrome. Bessette R, et al.
J Appl Physiol 30:864-9, Jun 71
Effects of initial conditions on the Hoffman reflex. Gottlieb GL, et al.
J Neurol Neurosurg Psychiatry 34:226-30, Jun 71
Flexor reflex afferent nerve fibres in man. Shahani B.
J Neurol Neurosurg Psychiatry 33:786-91, Dec 70
Spinal cord participation in the Cushing reflex in the dog. Meyer GA, et al. J Neurosurg 33:662-75, Dec 70
Cervico-lumbar reflex interactions involving a proprioceptive receiving area of the cerebral cortex. Abrahams VC. J Physiol (Lond) 209:45-56, Jul 70
The relationship of the latencies of the monosynaptic reflex and the direct motor response: an electrophysiological aid in differential diagnosis. Gassel MM, et al. Neurology (Minneap) 20:396, Apr 70
The effect of short-lasting repetitive vibration of the triceps muscle and concomitant fusimotor stimulation on the reflex response of spinal alpha motoneurones in decerebrated cats. Anastasijević R, et al.
Pflugers Arch 325:220-34, 1971
The achilles tendon reflex and the H-response during and after tendon vibration. Arcangel CS, et al.
Phys Ther 51:889-905, Aug 71
Effects of cooling on the ankle jerk and H-response in hemiplegic patients. Urbscheit N, et al.
Phys Ther 51:983-90, Sep 71
The mechanism of the suppression of the monosynaptic reflex by vibration. Gillies JD, et al.
Proc Aust Assoc Neurol 7:97-102, 1970
[Influence of a submaximal muscular exercise on the thresholds of monosynaptic reflexes in humans. II. Effects on the thresholds of the Hoffmann reflex] Macarez JA, et al.
C R Soc Biol (Paris) 164:1743-7, 1970 (Fre)
[Effect of a submaximal muscular exercise on the threshold of monosynaptic reflexes in man. I. Effects on the thresholds of tendinous responses] Macarez JA, et al. C R Soc Biol (Paris) 164:1524-8, 1970 (Fre)
[Lumbar responses evoked by stimulation of the superficial radial nerve in the spinal cat] Djalali E, et al. J Physiol (Paris) 1:Suppl 1:121, 1969 (Fre)
[Evoked activities at the lumbar level due to stimulation of nerves of the anterior paw in the spinal cat. II. Activities in the dorsal horns] Djalali E, et al.
J Physiol (Paris) 62:Suppl 3:368, 1970 (Fre)
[Evoked activities at the lumbar level by stimulation of nerves of the anterior paw in the spinal cat. I. Activities in the ventral horns] Djalali E, et al.
J Physiol (Paris) 62:Suppl 3:367, 1970 (Fre)
[Excitation of Renshaw cells by reflex discharge of alpha-motoneurons] Haase J, et al.
Pflugers Arch 325:14-27, 1971 (Ger)
[Influencing the monosynaptic reflex excitability in photosensitive epileptics by photostimulation] Rabending G.
Psychiatr Neurol Med Psychol (Leipz) 22:49-53, Feb 70 (Ger)
[H-reflex and F-wave in the soleus muscle of man] Krott HM, et al. Z Neurol 199:332-43, 1971 (Ger)
[Some neurophysiological aspects of intracranial hypertension. (Behavior of the H reflex)] Grasso AM, et al. Acta Neurol (Napoli) 25:349-56, May-Jun 70 (Ita)
[Psychoneurophysiological findings in normal subjects. (Behavior of the H and T monosynpatic reflexes and post-click motor responses] Grasso AM, et al. Acta Neurol (Napoli) 25:351-6, May-Jun 70 (Ita)
[Pharmacological studies on the mechanism of cutaneous inhibition on the masseteric monosynaptic reflex] Sakai Y, et al.
Folia Pharmacol Jap 67:150-65, Mar 71 (Jap)
[Evoked electromyogram (M and H waves) in rats--with special reference to the characteristics and time analysis of the H wave in relation to the distribution in nerve fibers in rats] Murakami M.
Nippon Ika Daigaku Zasshi 38:1-8, Feb 71 (Jap)
[The effect of stimulating various parts of the brain stem on the reflex activity of a group of extensor spinal cord motor neurons] Ignatov IuD.
Biull Eksp Biol Med 65:3-7, May 68 (Rus)
[Descending facilitating and inhibiting effects from the medulla oblongata on monosynaptic reflexes in tetanus intoxication] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 70:34-9, Jul 70 (Rus)
[The influence of impulsation from a focus of inflammation on reciprocal inhibition] Ul'ianina NN.
Biull Eksp Biol Med 66:39-41, Aug 68 (Rus)
[State of the inhibitory processes in the spinal cord in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

experimental thyrotoxicosis] Gol'ber LM, et al. Dokl Akad Nauk SSSR 196:967-9, 1 Feb 71 (Rus)
[Fixation of monosynaptic reflex asymmetry in the spinal cord induced by removal of half the cerebellum] Tikhomirova LI. Dokl Akad Nauk SSSR 185:229-32, Mar-Apr 69 (Rus)
[The differentiation of "slow" and "fast" human motor neurons by the effects of post-tetanic potentiation and ischemic "deafferentation"] Kots IaM, et al. Fiziol Zh SSSR 56:55-63, Jan 70 (Rus)
[Post-tetanic changes in reflex responses of the ventral roots and motor nerves during rhythmic antidromic stimulation of the motor neurons] Pushkarev IuP. Fiziol Zh SSSR 57:60-7, Jan 71 (Rus)
[Action potential of human skeletal muscle during inhibition of the spinal center] Starobinets MKh. Fiziol Zh SSSR 57:427-32, Mar 71 (Rus)
[The H-reflex and capsular effect in stereotaxic surgery on the ventrolateral nucleus of the optic thalamus] Vasin NIa, et al. Vopr Neirokhir 34:6-10, May-Jun 70 (Rus)
[Spinal adjustment prior to a voluntary phasic movement completed following static exertion] Kots IaM. Zh Vyssh Nerv Deiat 19:363-5, Mar-Apr 69 (Rus)
[Human spinal reflex influences under static work conditions] Kurbatov VI, et al. Zh Vyssh Nerv Deiat 20:1310-2, Nov-Dec 70 (Rus)

DRUG EFFECTS

Effects of L-dopa on the H-reflex in parkinsonism. Fujita S, et al. J Am Geriatr Soc 19:289-95, Apr 71
Reflex inhibition of monosynaptic reflexes by stimulation of type J pulmonary endings. Deshpande SS, et al. J Physiol (Lond) 206:345-57, Feb 70
[Presynaptic nature of the extinction by tetanus toxin of postsynaptic inhibition] Gushchin IS, et al. Dokl Akad Nauk SSSR 187:685-8, 21 Jun 69 (Rus)
[Effect of substances used for neuroleptanalgesia on the synaptic transmission of stimulation in the spinal cord] Rudatov AG. Farmakol Toksikol 34:10-3, 1971 (Rus)

RADIATION EFFECTS

The effect of brain stem irradiation on descending systems to the spinal cord. Olson KE, et al. Radiat Res 44:404-12, Nov 70

REFLEX, PSYCHOGALVANIC see GALVANIC SKIN RESPONSE (E1, F1, F3)

REFLEX SYMPATHETIC DYSTROPHY (C10)

CHEMICALLY INDUCED

[Algodystrophy associated with antitubercular chemotherapy: 22 cases] Deshayes P, et al. Rev Rhum Mal Osteoartic 36:316-22, Jun 69 (Fre)

DIAGNOSIS

Causalgia. Br Med J 1:64, 9 Jan 71

DRUG THERAPY

[Surheme in rheumatology] Chabot J. Therapeutique 47:615-8, Jun-Jul 71 (Fre)

ETIOLOGY

[Post-traumatic algo-dystrophies] Voloir P. Bull Mem Soc Chir Paris 60:293-9, 1970 (Fre)
[Reflex algodystrophy and distal circulatory problems after tendinous section. 2 cases] Langeron P, et al. J Sci Med Lille 87:449-54, Jun-Jul 69 (Fre)
[Algodystrophy-paraosteoarthropathy association after barbiturate coma] Cabanel G, et al. Rhumatologie 23:23-7, Jan 71 (Fre)
[Algodystrophy of the upper limb during hyperthyroidism and its treatment with radioactive iodine. Apropos of 24 cases] Methlin G, et al. Rhumatologie 23:185-8, May 71 (Fre)
[Reflex neurodystrophy of the lower limb in private insurance against accidents] Marafioti Renzi E, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1589-96, 1968 (Ita)

THERAPY

Treatment of causalgia. Review of cases at Brooke General Hospital. Omer G, et al. Tex Med 67:93-6, Jan 71
[Case of causalgia seen at our clinic] Takara K, et al. Orthop Surg (Tokyo) 21:874-6, Oct 70 (Jap)

REFLEX, TENDON (E1)

The time course of the Achilles tendon reflex in potential, latent and manifest atherosclerosis. Zdichynec B. Act Nerv Super (Praha) 13:43-6, 1971
Phasic ankle reflex in spasticity and Parkinsonian rigidity. The role of the fusimotor system. Dietrichson P. Acta Neurol Scand 47:22-51, 1971
Clinical method for electrical and mechanical recording of the mechanically and electrically elicited ankel reflex. Dietrichson P, et al. Acta Neurol Scand 47:1-21, 1971
Effects of neck position on patellar tendon reflex latency. Wyrick W. Am Correct Ther J 24:112-4, Jul-Aug 70
Vagal activity in canines: a possible connection to hyperventilation syndrome. Rao LN, et al. Anesth Analg (Cleve) 49:351-4, May-Jun 70
Achilles tendon reflexogram in occlusive arterial diseases of the lower limbs. A preliminary report. Forteza ME. Angiology 22:175-83, Apr 71
Presynaptic and postsynaptic effects in the monosynaptic reflex pathway to extensor motoneurons folowing vibration of synergic muscles. Barnes CD, et al. Arch Ital Biol 108:259-94, Apr 70
Inhibition of monosynaptic extensor reflex attributable to presynaptic depolarization of the group Ia afferent fibers produced by vibration of flexor muscle. Barnes CD, et al. Arch Ital Biol 108:233-58, Apr 70
Spino-bulbo-spinal reflex inhibition of monosynaptic extensor reflexes of hindlimb in cats. Magherini PC, et al. Arch Ital Biol 109:110-29, Jun 71
An apparatus for producing small-amplitude high-frequency sinusoidal stretching of the muscle. Morelli M, et al. Arch Ital Biol 108:222-32, Apr 70
Unsteadiness after relaxant anaesthesia. Wilson ME, et al. Br J Anaesth 42:888, Oct 70
Fisher syndrome in childhood. Bell W, et al. Dev Med Child Neurol 12:758-66, Dec 70
Study of the diffuse response of the ankle jerk in the tibialis anterior of young children. Correlations with other EMG data. Isch-Treussard C, et al. Electroencephalogr Clin Neurophysiol 29:533, Nov 70
Recording of proprioceptive muscle afferents in man by various disorders of tendon reflex. Jacobi HM, et al. Electromyography 10:307-16, Sep-Oct 70
Electronic measurement of Achilles tendon reflex. Moicho J, et al. IEEE Trans Biomed Eng 17:353-6, Oct 70
Controlled elicitation and recording of proprioceptive reflexes. Carmon A, et al. Isr J Med Sci 6:738-40, Nov-Dec 70
The use of the kinemometer as a screening tool in neurologic deficits of the low back. Carlson JA. J Am Osteopath Assoc 70:1119, Jun 71
Diurnal variations of the Achilles tendon reflex-time. Zamrazil V, et al. J Endocrinol 49:403-6, Mar 71
Hamstrings stretch reflex in human spasticity. Burke D, et al. J Neurol Neurosurg Psychiatry 34:231-5, Jun 71
Achilles reflex time in thyroid disorders. Zachmann M, et al. J Pediatr 78:183-5, Jan 71
Class experiment on reflex inhibition of the electrically recorded ankle jerk reflex in man. Roberts TD. J Physiol (Lond) 211:Suppl:7P-8P, Dec 70
The achilles tendon reflex and the H-response during and after tendon vibration. Arcangel CS, et al. Phys Ther 51:889-905, Aug 71
Effects of cooling on the ankle jerk and H-response in hemiplegic patients. Urbscheit N, et al. Phys Ther 51:983-90, Sep 71
[Significance of individual diagnostic tests in the differential diagnosis of thyroid function disorders. Preliminary results on a minor patient collective. II. Evaluation of the time course of Achilles tendon reflex] Němec J, et al. Cas Lek Cesk 110:43-6, Jan 71 (Cze)
[Influencing gamma spasticity with alcohol infiltrations of motor prints Tardieu's method in relation to the indication for tenotomy of the Achilles tendon] Pfeiffer J, et al. Cesk Neurol 34:197-201, Jul 71 (Cze)
[Total bilateral ophthalmoplegia. Manifestation of the Miller-Fisher syndrome] Michiels J, et al. Bull Soc Belge Ophtalmol 150:671-81, 1968 (Fre)
[Effect of a submaximal muscular exercise on the threshold of monosynaptic reflexes in man. I. Effects on the thresholds of tendinous responses] Macarez JA, et al. C R Soc Biol (Paris) 164:1524-8, 1970 (Fre)
[Various particularities of the duration of the achilles reflex in diabetic patients] Pampoulov L. Diabete 18:179-84, Jul-Sep 70 (Fre)
[Detection of hypothyroidism during the pregnancy-puerperal state by the study of the Achilles reflexogram] Dumont M, et al. Gynecol Obstet (Paris) 69:455-65, Nov-Dec 70 (Fre)
[Achillean reflexography during pregnancy] Brochery PC, et al. Rev Fr Gynecol Obstet 64:515-7, Oct 69 (Fre)
[Apropos of Miller Fisher syndrome] Sabouraud O, et al. Rev Otoneuroophtalmol 43:140-52, Apr 71 (Fre)
[The Achilles tendon reflexogram: a valuable parameter of thyroid function] Gosselin L, et al. Union Med Can 97:727-9, Jun 68 (Fre)
[Ophthalmoplegia, ataxia, and areflexia (Fisher-syndrome). A contribution to the polyneuritis cranialis syndrome] Rad M von. Arch Psychiatr Nervenkr 213:422-39, 1970 (Ger)
[Differential diagnosis of absent or weakened achilles tendon reflex] Neundörfer B. Dtsch Med Wochenschr 95:2474-7, 4 Dec 70 (Ger)
[A method for photoelectric registration of the Achilles tendon reflex in thyroid diseases] Wascher H, et al. Med Welt 18:775-8, 1 May 71 (Ger)
[Typical changes in Achilles tendon reflex in intermittent claudication] Grüntzig A, et al. Schweiz Med Wochenschr 100:1730-3, 10 Oct 70 (Ger)
[Achilles tendon reflexometry in the diagnosis of thyroid gland diseases] Knappe G, et al. Z Aerztl Fortbild (Jena) 65:289-93, 15 Mar 71 (Ger)
[Clinical applications of the Achilles tendon reflexogram] Rolandi E, et al. Arch E Maragliano Patol Clin 25:537-47, Nov-Dec 69 (Ita)
[The Achilles reflexogram: values in 369 healthy young women] De Lutterotti A, et al. Minerva Med 61:4771-6, 24 Oct 70 (Ita)
[Achilles tendon reflex in thyroid diseases] Anselmi E. Policlinico [Prat] 76:454-8, 7 Apr 69 (Ita)
[Measurement of Achilles tendon reex persisting time as a thyroid function test] Kuma K, et al. Naika 27:577-83, Mar 71 (Jap)

INSTRUMENTATION

Automated system for the measurement of reflex responses to patellar tendon tap in man. Simons DG, et al. Am J Phys Med 50:72-9, Apr 71

REFRACTION, OCULAR (E1)

Refraction of patients with incipient cataract. Lebensohn JE. Am J Ophthalmol 71:Suppl:399-401, Jan 71
Refractive index and reflectance of the anterior surface of the cornea. Clark BA, et al. Am J Optom 48:333-43, Apr 71
Automatic objective refraction in an office practice. Knoll HA, et al. Am J Optom 47:644-9, Aug 70
Studies in refraction. II. Bias and accuracy of retinoscopy. Hyams L, et al. Arch Ophthalmol 85:33-41, Jan 71
Routine refractions. Mahto RS. Br Med J 3:477, Aug 71
Benefits for office practice using tropicamide--a short acting mydriatic-cycloplegic. Harding MR. Eye Ear Nose Throat Mon 49:141-2, Mar 70
Refractive keratoplasty. Katzin HM, et al. Int Ophthalmol Clin 10:261-70, Summer 70
A longitudinal study of refraction and its components during growth. Sorsby A, et al. Med Res Counc Spec Rep Ser (Lond) 309:1-41, 1969
Inhomogeneous refractive index in the crystalline cone of a moth eye. Kunze P, et al. Nature (Lond) 231:392-3, 11 Jun 71
Peripheral retinoscopy and the skiagram. Rempt F, et al. Ophthalmologica 162:1-10, 1971
Myopia and retinal detachment. Kałużny J. Pol Med J 9:1544-9, 1970
Mechanism of reflexion in silvery layers of fish and cephalopods. Denton EJ, et al. Proc R Soc Lond [Biol] 178:43-61, 15 Jun 71
Refraction changs after srgical treatment of retinal detachment. Jacklin HN. South Med J 64:148-50, Feb 71
Automatic objective refraction. Report of a clinical trial. Safir A, et al. Trans Am Acad Ophthalmol Otolaryngol 74:1266-75, Nov-Dec 70
Correction of refractive errors: effect on accommodation and convergence. Sampson WG. Trans Am Acad Ophthalmol Otolaryngol 75:124-32, Jan-Feb 71
The "con-o-coid" microlens. Coop D. Trans Aust Coll Ophthalmol 1:152-3, 1969
[Refraction in a case of correction by corneal lenses] Bonnet-Boutier M, et al. Bull Soc Ophtalmol Fr 69:810-2, Sep-Oct 69 (Fre)
[Skiascopy with cylinders. Its technic using the slotted skiascope] Lecaillon-Thibon B. Bull Soc Ophtalmol Fr 70:396-406, Mar 70 (Fre)
[Zona-ophthalmometria: new method for the examination of the refraction of the cornea] Nagy M. Albrecht von Graefes Arch Klin Ophthalmol 181:304-19, 1971 (Ger)
[Magnification in ophthalmoscopy, II. Theory of magnification in indirect ophthalmoscopy] Rassow B. Albrecht von Graefes Arch Klin Ophthalmol 179:325-31, 1970 (Ger)
[Oculometry data from normal eyes] Gernet H. Ber Dtsch Ophthalmol Ges 70:597-9, 1970 (Ger)
[Observations on clinical slit lamp findings in polarized light] Meyner EM. Ber Dtsch Ophthalmol Ges 70:570-5, 1970 (Ger)
[Visual acuity with the reading chart at various distances from the eye] Monjé M, et al. Ber Dtsch Ophthalmol Ges 70:291-3, 1970 (Ger)
[Report on the interpretation of the ophthalmologic examination of automobile drivers in view of the quality of the refraction studies] Spiecker HD. Ber Dtsch Ophthalmol Ges 70:274-83, 1970 (Ger)
[Refractive changes in the eye during life (the stabilization of the eyeball)] Molnár L. Klin Monatsbl Augenheilkd 156:326-39, Mar 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Refraction of the transplanted corneal flap and its successive changes] Merlin U.
Boll Ocul 47:754-92, Nov 68 (Ita)
[Changes of refractive components before and after treatment of pseudomyopia by J. Otsuka's modified synoptophore] Kawase T.
Acta Soc Ophthalmol Jap 74:1509-27, Nov 70 (Jap)
[Changes of refractive components before and after treatment of pseudomyopia by J. Otsuka's modified synoptophore] Kawase T.
Acta Soc Ophthalmol Jap 74:1211-4, Sep 70 (Jap)
[Refractive power of the cornea of children with anisometropic amblyopia] Nishioka K.
J Jap Contact Lens Soc 12:157-8, 1970 (Jap)
[Refraction status and test methods of the newborn infant and young children] Hosaka A, et al.
Ophthalmology (Tokyo) 12:792-800, Sep 70 (Jap)
[Evolution of the optic diopter in relation to age] Popescu MP. Fiziol Norm Patol 16:539-45, 1970 (Rum)
[Decreasing the atropinization time during refraction determination in children] Dukhanina GI, et al.
Oftalmol Zh 24:466-7, 1969 (Rus)
[Simplified basis of skiascopy] Pavliukov II.
Oftalmol Zh 25:206-9, 1970 (Rus)
[Method and results of studying visual acuity and ocular refraction in preschool children] Utkin VF, et al. Oftalmol Zh 25:99-102, 1970 (Rus)
[Effect of antiglaucoma surgery on refraction and visual acuity] Gasparian EI.
Vestn Oftalmol 5:33-4, 1970 (Rus)
[Determination of the axes in astigmatic eyes using a skiascopic transporter] Syrkov VM.
Voen Med Zh 8:45-6, Aug 70 (Rus)
[Rate of optic information processing by means of tables in production environment)] Navakatikian AO, et al. Fiziol Zh 16:697-701, Sep-Oct 70 (Ukr)

INSTRUMENTATION

Medical applications of space science research, 1.
Postgrad Med 50:37-8, Aug 71

REFRACTIVE ERRORS (C11)

Divergence insufficiency. Moore S, et al.
Am Orthopt J 21:59-63, 1971
Electrophysiological method for determination of refractive state in fish eyes. Meyer DL, et al.
Vision Res 10:1301-3, Nov 70
[Ametropia] Müelenaere H de.
Bull Soc Belge Ophtalmol 154:1-374, 1970 (Fre)

COMPLICATIONS

Fusion in anisometropia. Hurtt J, et al.
Am Orthopt J 21:101-6, 1971
Styles and refractive errors. Their aetiological relationship. Sarma CM.
J All India Ophthalmol Soc 18:56-8, Jun 70
[Ocular manifestation in mental deficiency. 2. Ocular disease and refractory states] Kato K, et al.
Acta Soc Ophthalmol Jap 74:1215-24, Sep 70 (Jap)
[The ocular disturbances of cerebral palsy. 3. Refraction of cerebral palsy. Ocular disturbances and rehabilitation of physically and mentally handicapped children] Maruo T, et al.
Acta Soc Ophthalmol Jap 75:898-902, 20 Jan 71 (Jap)

CONGENITAL

Refractive errors in full-term newborn babies. Patel AR, et al. J All India Ophthalmol Soc 18:59-63, Jun 70

DIAGNOSIS

An information-theoretic analysis of clinical refraction. Crossman ER, et al. Am J Optom 48:391-406, May 71
Routine refractions. Mahto RS. Br Med J 3:477, Aug 71
Peripheral retinoscopy and the skiagram. Rempt F, et al. Ophthalmologica 162:1-10, 1971
Automatic objective refraction. Report of a clinical trial. Safir A, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1266-75, Nov-Dec 70
[Refractive errors] Minagawa T.
Folia Ophthalmol Jap 22:210-2, Mar 71 (Jap)
[Use of the PBI-1 instrument to study binocular vision in isometropia and anisometropia] Rozenblium IuZ.
Nov Med Priborostr 2:49-53, 1967 (Rus)

ETIOLOGY

[The visual apparatus in the chronic uremic patient during periodic hemodialytic treatment. II. Changes in ocular refraction during hemodialysis] Ambrosio A, et al. Rass Int Clin Ter 51:789-95, 15 Jul 71 (Ita)
[On maintenance of functional equilibrium of ocular accommodation and refraction in salt miners] Popescu MP, et al.
Fiziol Norm Patol 17:151-60, 1971 (Rum)

FAMILIAL & GENETIC

[Refractive errors in twins] Kvapilíková K.
Cesk Oftalmol 26:282-7, Sep 70 (Cze)

OCCURRENCE

Refractive error distribution in New Zealand's Polynesian and European children. Grosvenor T.
Am J Optom 47:873-9, Sep 70
A note on the interpretation of epidemiological refractive state data. Hirsch MJ.
Am J Optom 48:541-2, Jun 71
An observation on the incidence of refractive errors. Lindsay A. Can J Ophthalmol 6:202-4, Jul 71
Some aspects of refractive errors in West Malaysia. Chandran S, et al. Med J Malaya 25:193-7, Mar 71
[Occurrence of refractive errors, strabism and eye injuries in children from 8 to 15 years of age in Prague 3] Skala K. Cesk Pediatr 25:553-5, Nov 70 (Cze)
[Incidence of refraction disorders, strabismus and eye injuries in children of the 7-15 years of age group attending special schools in Prague] Skala K.
Cesk Pediatr 26:355-8, Jul 71 (Cze)
[Procedures and results of eye examinations in 1-4-year-old child] Khukhrina LP.
Vestn Oftalmol 1:80-4, Jan-Feb 70 (Rus)

PHYSIOPATHOLOGY

"Refracting" a single retinal ganglion cell. Hill RM, et al. Arch Ophthalmol 85:592-6, May 71
[Influence of ametropias on absolute and differential visual perception of light] Gastaldi GM.
Minerva Oftalmol 12:29-43, Mar-Apr 70 (Ita)
[Relationship of various types of muscle balance and reserve amounts of convergence and divergence in persons with different types of refraction] Nedel'ka AF. Oftalmol Zh 26:32-4, 1971 (Rus)

SURGERY

Refractive keratoplasty. Sehgal VN, et al.
Am J Ophthalmol 70:614-23, Oct 70
Refractive keratoplasty. Med J Aust 1:822, 20 Mar 71
Refractive keratoplasty. Ainslie D.
Trans Ophthalmol Soc UK 89:647-58, 1970
[Surgery of keratomileusis and keratophakia (preliminary report)] Fedorov SN, et al.
Vestn Oftalmol 2:19-24, 1971 (Rus)

THERAPY

Anisometropia, amblyopia, induced aniseikonia and estimated correction with iseikonic lenses in 4 year-olds. Nordlöw W.
Acta Ophthalmol (Kbh) 48:959-70, 1970
Measuring refractive error change of the contact lens wearer. Brungardt TF, et al.
Am J Optom 48:497-503, Jun 71
The problem patient syndrome. Shultz LB.
Am J Optom 48:525-7, Jun 71
Correction of ametropia in skin and scuba divers. Williamson DE.
Eye Ear Nose Throat Mon 49:165-71, Apr 70
Correction of refractive errors: effect on accommodation and convergence. Sampson WG.
Trans Am Acad Ophthalmol Otolaryngol 75:124-32, Jan-Feb 71
[Therapy of the ocular complications of diabetes] Lavergne G. Rev Med Liege 25:44-6, 15 Jan 70 (Fre)
[Centration of glasses in orthophoria, heterophoria and anisometropia] Reiner J.
Klin Monatsbl Augenheilkd 158:306, Feb 71 (Ger)
[Report of personal cases treated by the use of corneal lenses] Romani E, et al.
Boll Ocul 48:359-69, May 69 (Ita)
[Correction of monocular aphakia with optical systems using contact lenses] Golubenko IuE.
Oftalmol Zh 25:424-30, 1970 (Rus)

REFRACTORY PERIOD (PSYCHOLOGY) see under

REACTION TIME (F3)

REFRESHER COURSES see under EDUCATION, CONTINUING (I)

REFRIGERATION (E5, J)

see also related
HYPOTHERMIA, INDUCED (E3)

Preservation of Trichomonas vaginalis in liquid nitrogen. Wasley GD, et al.
Br J Vener Dis 46:323-5, Aug 70
Further studies on long term preservation of marine bacteria. Greig MA, et al.
J Appl Bacteriol 33:528-32, Sep 70
Effect of storage at 3 C on the proteinase enzyme systems of slow and fast strains of lactic streptococci. Westhoff DC, et al. J Dairy Sci 53:1023-7, Aug 70
Kidney preservation by initial perfusion and surface cooling. Woods JE, et al. J Surg Res 11:68-73, Feb 71
Apparatus for the collection and rapid cooling of small quantities of blood. Morgan DR.
Lab Pract 20:132, Feb 71
[Proteolytic bacteria in refrigerated beef] Ienistea C, et al.
Arch Roum Pathol Exp Microbiol 29:305-13, Mar-Jun 70 (Fre)
[Proteolytic activity of various gram-negative psychrophilic bacteria isolated from meat] Ienistea C, et al.
Arch Roum Pathol Exp Microbiol 29:299-304, Mar-Jun 70 (Fre)
[Preservation of an isolated heart for 48 hours by pulsatile perfusion with an artificial fluid at 4 degrees C] Suaudeau J, et al.
J Chir (Paris) 100:527-38, Dec 70 (Fre)
[Influence of the nominal freezing rate on histological changes and on acid phosphatases, ribonucleases and peptidases of bovine muscle] Maggi E, et al.
Ig Mod 62:93-107, 1969 (Ita)
[Plethysmographic findings in a group of workers in industrial refrigeration] Valcic I.
Srp Arh Celok Lek 98:27-33, Jan 70 (Ser)

INSTRUMENTATION

Refrigerating apparatus for medical use. Riggi G.
Experientia 26:1165-6, 15 Oct 70
A microscope cold stage, or stage refrigerator. Gallup AL, et al. J Physiol (Lond) 217:1P, Aug 71
Freezer failure. Lodish HF.
Nature (Lond) 229:509, 12 Feb 71
[A simple, versatile, insertable cooling filtration device for the biochemistry and clinical chemistry laboratory] Feuerstein H.
Z Med Labortech 12:199-200, 1971 (Ger)
[Device for the protection of refrigerating unit compressors of the sublimation KS-30 apparatus] Balias IN, et al.
Probl Gematol Pereliv Krovi 15:60-1, Sep 70 (Rus)

REFRIGERATION ANESTHESIA see ANESTHESIA, REFRIGERATION (E3)

REFSUM'S SYNDROME (C10, C13)

Refsum's syndrome: report of three cases. Quinlan CD, et al. J Neurol Neurosurg Psychiatry 33:817-23, Dec 70
[Refsum's disease] Rougier J.
Arch Ophtalmol (Paris) 30:665-72, Oct 70 (Fre)
[Heredopathia atactica polyneuritiformis] Karyofilis A, et al.
Fortschr Neurol Psychiatr 38:321-9, Jul 70 (Ger)

CLASSIFICATION

[Classification of some hereditary nervous diseases--the "heredo-ataxias"] Refsum S.
Nord Med 85:428-9, 8 Apr 71 (Nor)

METABOLISM

Inborn errors of metabolism in neurology (Wilson's disease, Refsum's disease and lipidoses). Cumings JN.
Proc R Soc Med 64:313-22, Mar 71
Refsum's syndrome. Levy IS.
Trans Ophthalmol Soc UK 90:181-6, 1970
[Apropos of a case of Refsum's disease: biochemical study] Sexille G, et al.
Lille Med 16:575-81, Apr 71 (Fre)

PATHOLOGY

An ocular pathologic study of Refsum's syndrome. Toussaint D, et al. Am J Ophthalmol 72:342-7, Aug 71
[Histological study of a case of Refsum's syndrome] Toussaint D, et al.
Bull Soc Belge Ophtalmol 155:532-40, Jun 70 (Fre)

REFUGEES (M, I)

Nutrition in refugee camps. Barnes J.
Br Med J 3:528, 28 Aug 71
Evacuees presenting to the psychiatric clinic. Fakhr-el-Islam M, et al.
J Egypt Med Assoc 52:333-40, Apr 69
Diarrhoea; a specific treatment programme in Palestinian refugee camps. Wright PA.
Nurs Times 67:915-8, 29 Jul 71

REFUSE DISPOSAL (G3)

Solid waste management: the metropolitan view. Kupchik GJ. Am J Public Health 61:359-65, Feb 71
Utilization of cellulose from waste paper by Myrothecium verrucaria. Updegraff DM.
Biotechnol Bioeng 13:77-97, Jan 71
Waste disposal--a growing international problem. Hunt IH. Can Hosp 47:57-60, Oct 70
Cellulolytic activity in municipal solid waste

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

composting. Stutzenberger FJ, et al.
Can J Microbiol 16:553-60, Jul 70
The care and feeding of waste disposals. Jernigan AK.
Hospitals 45:86-7, 16 Aug 71
Wet grinding of disposables. Hospitals 44:70-5, 1 Dec 70
Handling and disposal of cattle feedlot waste. Albin RC.
J Anim Sci 32:803-10, Apr 71 (62 ref.)
Economies of recovery and distribution of animal waste. Clawson WJ. J Anim Sci 32:816-28, Apr 71
Animal waste handling and disposal in confinement production of swine. Conrad JH, et al.
J Anim Sci 32:811-5, Apr 71
A simple method for the biological assessment of the effects of waste discharges on aquatic bottom-dwelling organisms. Cairns J Jr, et al.
J Water Pollut Control Fed 43:755-72, May 71
New section of solid waste management in operation in state health department. Reizen MS.
Mich Med 70:139, Feb 71
Nursing refuse disposal inquiry. Marett DL, et al.
Nurs Times 67:Suppl:113-5, 22 Jul 71
Field evaluation of the chemical test for proper heat treatment of garbage. Czech FP, et al.
Proc US Anim Health Assoc 73:384-401, 1969
A national advisory committee for refuse disposal?
R Soc Health J 90:179-80, Jul-Aug 70
Refuse disposal. R Soc Health J 91:163, Jul-Aug 71
Water pollution: conservationists criticize new permit program. Bazell RJ. Science 171:266-8, 22 Jan 71
Studies on composting Tripoli town refuse with special reference to the Erap-Thomas rapid method. Makawi AA. Zentralbl Bakteriol [Naturwiss] 124:341-5, 1970
[Results of studies on refuse weight and refuse compression of household refuse in Berlin 1967-1968] Kutzschbauch K.
Z Gesamte Hyg 16:594-7, Aug 70 (Ger)
[Relations of temperature, germ count and decomposition during heat decay] Farkasdi G.
Zentralbl Bakteriol [Naturwiss] 124:334-40, 1970 (Ger)
[Bacteriological studies for hygienic revision of the multibacto composting tower process] Knoll KH, et al.
Zentralbl Bakteriol [Naturwiss] 124:346-54, 1970 (Ger)
[The determination of the biologic oxygen demand of grabage and garbage compost by means of Warburg apparatus] Niese G.
Zentralbl Bakteriol [Naturwiss] 124:328-33, 1970 (Ger)
[Study of the aspects of soil pollution in relation to public health] Shuval HI.
Bol Of Sanit Panam 70:264-84, Mar 71 (Spa)

REGENERATION (G1)

The physiological regeneration (reorganization) of the oral apparatus in the Colpidium kleini (Ciliata, Tetrahymenidae). Foissner W.
Acta Biol Acad Sci Hung 21:355-67, 1970
Ultrastructural changes in the apical meristem of roots of raphanus during regeneration. Kadej F.
Acta Med Pol 12:139-42, 1971
Vertebrate limb ontogeny and limb regeneration: morphogenetic parallels. Faber J.
Adv Morphog 9:127-47, 1971 (81 ref.)
Regeneration of rat submandibular gland following partial extirpation. A light and electron microscopic study. Hanks CT, et al. Am J Anat 130:195-207, Feb 71
Regeneration of rabbit olfactory epithelium. Mulvaney BD, et al. Am J Anat 131:241-51, Jun 71
Recovery of adrenal ultrastructure after cessation of androgen treatment. Nickerson PA, et al.
Am J Pathol 64:31-44, Jul 71
Spontaneous repair of the tympanic membrane. Histpathological studies in the cat. McIntire C, et al.
Ann Otol Rhinol Laryngol 79:1129-31, Dec 70
The role of innervation in the manifestation of the digits in transplanted regeneration blastemas of the axoloti (Ambystoma mexicanum). Faber J, et al.
Arch Biol (Liege) 81:215-27, 1970
Hind limb histogenesis and regeneration in larvae and metamorphic stages of the Egyptian toad, Bufo regularis Reuss. I. Transection at the thigh level. Michael MI, et al. Arch Biol (Liege) 80:299-326, 1969
Cell wall synthesis in yeast protoplasts. Nečas O.
Bacteriol Rev 35:149-70, Jun 71 (114 ref.)
The role of amoebocytes in the regeneration of shell in the land pulmonate, Euplecta indica (Pfieffer). Kapur SP, et al. Biol Bull 139:502-9, Dec 70
Deposition of cuticular substances in vitro by leg regenerates from the cockroach, Leucophaea maderae (F.). Marks EP, et al.
Biol Bull 140:73-83, Feb 71
Bipolar head regeneration in Planaria induced by chick embryo extracts. Rodriguez LV, et al.
Biol Bull 140:117-24, Feb 71
Origin of repopulating cells in a mechanically depleted medullary cavity as determined by studies with marrow transplants. Fong PL, et al.
Blood 37:413-6, Apr 71
Microchemical determination of enzyme activities in small arteries of rats with early adrenal-regeneration hypertension. Wyke AW, et al.
Br J Exp Pathol 51:512-7, Oct 70
The role of slowly proliferating cells in rat bone marrow during regeneration following hydroxyurea. Bohne F, et al. Br J Haematol 19:533-42, Oct 70
Vasectomy. Watts GT. Br Med J 4:620-1, 5 Dec 70
Fine structure of degenerating and regenerating flight muscles in a bark beetle, Ips confusus. II. Regeneration. Bhakthan NM, et al.
Can J Zool 49:85-9, Jan 71
The effects of denervation on the ultrastructure of young limb regenerates in the newt, Triturus. Bryant SV, et al. Dev Biol 24:577-95, Apr 71
The feedback inhibition of basal disk regeneration in Hydra has a continuously variable intensity. MacWilliams HK, et al. Dev Biol 23:380-98, Nov 70
DNA synthesis and the incorporation of labeled iris cells into the lens during lens regeneration in adult newts. Reyer RW. Dev Biol 24:533-58, Apr 71
The extracellular matrix of the regenerating newt limb: synthesis and removal of hyaluronate prior to differentiation. Toole BP, et al.
Dev Biol 25:57-77, May 71
Development of 3H-thymidine-labelled iris in the optic chamber of lentectomized newts. Zalik SE, et al.
Exp Cell Res 66:446-8, Jun 71
Ultra-structural specificity in regenerating smooth muscle. McGaechie JK. Experientia 27:436-7, 15 Apr 71
Inhibition of lens regeneration in the eye of the adult newt, Diemictylus viridescens. Wedlock DE, et al.
Experientia 27:180-1, 15 Feb 71
The regeneration territories. A critical note. Both NJ de. Folia Morphol (Praha) 19:177-81, 1971
Mitotic division and its significance for regeneration of granulated B-cells in the islets of Langerhans in alloxan-diabetic rats. Korčáková L.
Folia Morphol (Praha) 19:24-30, 1971
Epithelial cell kinetics in the small intestine of the rat 60 days after resection of 70 per cent of the ileum and jejunum. Hanson WR, et al.
Gastroenterology 60:1087-97, Jun 71
Steroid induced gastric regeneration and functional recovery. Johnston DH.
Gastrointest Endosc 14:19-23, Aug 67
Studies on the infracerebral gland of the polychaete annelid, Nereis limnicola, in relation to reproduction, salinity, and regeneration. Baskin DG.
Gen Comp Endocrinol 15:352-60, Oct 70
The origin of regenerative bladder mucosa after partial mucosal stripping. Connolly JG, et al.
Invest Urol 8:481-7, Mar 71
The absence of electrically demonstrable polarizing factors in Hydra. Macklin M.
J Cell Physiol 77:83-92, Feb 71
Stimulation of cell division in pronephros of embryonic grafts following partial nephrectomy in the host (Xenopus laevis). Chopra DP, et al.
J Embryol Exp Morphol 24:525-33, Nov 70
Morphogenesis in hydra. II. Peduncle and basal disc formation at the distal end of regnerating hydra after exposure to low temperatures. Corff SC, et al.
J Embryol Exp Morphol 24:21-32, Aug 70
Studies on the transmission of hypostome inhibition in hydra. Wilby OK, et al.
J Embryol Exp Morphol 24:583-93, Nov 70
Experimental studies on axial polarity in hydra. Wilby OK, et al. J Embryol Exp Morphol 24:595-613, Nov 70
Regeneration of larval urodele limbs containing homoplastic transplants. Foret JE.
J Exp Zool 175:297-321, Nov 70
Further observations on tail regeneration in Anolis carolinensis (Iguanidae, Lacertilia). Maderson PF, et al. J Exp Zool 177:185-9, Jun 71
Transneuronal effects on amphibian limb regeneration. Tweedle C. J Exp Zool 177:13-29, May 71
Control of mitotic activity in Wolffian lens regenerration. Yamada T, et al.
J Exp Zool 177:119-28, May 71
Renal function as influenced by compensatory growth after subtotal nephrectomy in dog. Kolberg A, et al.
J Med (Basel) 1:156-64, 1970
A quantitative electron microscope analysis of peripheral nerve in the urodele amphibian in relation to limb regenerative capacity. Egar M, et al.
J Morphol 133:387-97, Apr 71
Tolerance, limb regeneration and collagen fibrogenesis under high oxygen concentrations by the adult newt, Diemictylus viridescens. Schmidt AJ, et al.
J Morphol 133:167-78, Feb 71
Regeneration of tetrathyridia of Mesocestoides (Cestoda: Cyclophyllidea) in vivo and in vitro. Hart JL. J Parasitol 54:950-6, Oct 68
Repair at the femoral articular surface in osteo-arthritis of the hip. Meachim G, et al.
J Pathol 102:1-8, Sep 70
Cytochemical analysis of enzyme activity during regeneration in Blepharisma intermedium Bhandary. Parker JW, et al.
J Protozool 18:106-15, Feb 71 (126 ref.)
Oral regeneration in the ciliate Stentor coeruleus: a scanning and transmission electron optical study. Paulin JJ, et al. J Protozool 18:201-13, May 71
Centriole migration during regeneration and normal development of olfactory epithelium. Mulvaney BD, et al. J Ultrastruct Res 35:274-81, May 71
Differences in regeneration of the prostate after cryoprostatectomy, fulguration and excision.
Feminella JG, et al. J Urol 105:291-4, Feb 71
Experimental investigations of bladder regeneration using teflon-felt as a bladder wall substitute. Kelâmi A, et al. J Urol 104:693-8, Nov 70
Regeneration of synovium of rabbit knees after total chemical synovectomy by ingrowth of connective tissue-forming elements from adjacent bone. A light and electron microscopic study. Campbell WG Jr, et al. Lab Invest 24:404-22, May 71
Muscle regeneration. Gilbert RK.
N Engl J Med 285:120, 8 Jul 71
Skeletal-muscle regeneration. Hay ED.
N Engl J Med 284:1033-4, 6 May 71
Influence of mouse neural retina on regeneration of chick neural retina from chick embryonic pigmented epithelium. Coulombre JL, et al.
Nature (Lond) 228:559-60, 7 Nov 70
Role of the pericorneal papillary structure in renewal of corneal epithelium. Davanger M, et al.
Nature (Lond) 229:560-1, 19 Feb 71
Functional studies of reeenerated muscles from normal and dystrophic mice. Salafsky B.
Nature (Lond) 229:270-2, 22 Jan 71
Gross and microscopic morphology of the newly-grown terminal vascular branches. Ichev K.
Nauchni Tr Vissh Med Inst Sofiia 49:1-6, 1970
Regeneration of renal tubular cells after lesion by temporary ischaemia, folic acid, and 2,4,5-triamino 6-styrylpyrimidine. Brade W, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:95-100, 1970
The regeneration of denervated muscle. An autoradiographic study, using 3H-thymidine. Hassler O. Pathol Eur 5:279-82, 1970
Lens regeneration after mature galactose cataract formation. Fournier DJ, et al.
Proc Soc Exp Biol Med 135:377-9, Nov 70
Colony production in vitro by regenerating marrow. Maloney MA. Proc Soc Exp Biol Med 135:412-4, Nov 70
Increased mast cells in regenerating marrow of normal and hypophysectomized rats. Walker S.
Proc Soc Exp Biol Med 135:245-8, Nov 70
In vitro observation of regeneration of striated muscles. Půža V, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:295-8, 1970
Intraportal splenic autotransplantation to the liver. Pegg CA, et al. Surg Forum 21:350-2, 1970
Intraportal spleen cell autotransplantation. Pegg CA, et al. Surgery 69:433-40, Mar 71
Differences in regeneration of the prostate after cryoprostatectomy, fulguration and excision.
Feminell JG, et al.
Trans Am Assoc Genitourin Surg 62:25-9, 1970
Degeneration and regeneration of smooth muscle transplants in the anterior eye chamber. An ultrastructural study. Campbell GR, et al.
Z Zellforsch Mikrosk Anat 117:155-75, 1971
Further observations on dividing and non-dividing cnidoblasts in the regenerating isolated gastrodermis of Hydra. Davis LE.
Z Zellforsch Mikrosk Anat 105:526-37, 1970
[Bladder regeneration: a case of total bladder necrosis followed by spontaneous regeneration] Schulman CC, et al. Acta Urol Belg 38:348-56, Jul 70 (Fre)
[Cytochemical analysis of the histones of cells activated during cephalic regeneration in the chaelopod worm, Eisenia foetida (Sav.)] Lechenault H. Ann Histochim 16:129-40, Apr-Jun 71 (Fre)
[Histogenesis in planarians] Chandebois R.
Annee Biol 9:543-54, Jul-Oct 70 (Fre)
[Importance of distalization in the phenomenons of regeneration in the terrestrial isopodous Helleria brevicornis Ebner] Hoarau F.
Annee Biol 9:537-42, Jul-Oct 70 (Fre)
[In vitro study of cephalic regeneration of Eisenia foetida F. Typica Sav. (annelid oligochete)] Mrcel R.
Annee Biol 9:527-35, Jul-Oct 70 (Fre)
[Regeneration of the thorax by an abdominal segment in Clavelina lepadiformis Müller] Brien P.
Arch Biol (Liege) 81:441-90, 1970 (Fre)
[Functional importance of thyroid regenerates developed in the guinea pig following surgical thyroidectomy. Morphological, radiobiological and biochemical studies] Fabre M, et al.
Arch Biol (Liege) 80:413-42, 1969 (Fre)
[Increase in the power of regeneration in planarians from lethal dose irradiation by stimulation of the cell type I system] Chandebois R.
C R Acad Sci [D] (Paris) 272:1417-9, 8 Mar 71 (Fre)
[Evolution of the incorporation of tritiated leucine into the blastema and of the levels of mitosis, during the regeneration of young planarians treated with actinomycin D] Gabriel A, et al.
C R Acad Sci [D] (Paris) 272:2017-20, 14 Apr 71 (Fre)
[Incorporation of precursors of nucleic acids in the axoloti limb in the process of regeneration] Lazard L.
C R Acad Sci [D] (Paris) 271:2031-4, 30 Nov 70 (Fre)
[Influence of polycythemia on hematopoietic regeneration in mice irradiated at a subletha! dose] Schmitz A, et al.
C R Soc Biol (Paris) 164:1862-5, 1970 (Fre)
[Migration of neoblasts in case of anterior regeneration in the planarian Dendrocoelum lacteum]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Stéphan-Dubois F, et al.
C R Soc Biol (Paris) 164:1825-9, 1970 (Fre)
[Blood sialoglycoproteins in a stress syndrome and during tissue growth] Jayle MF, et al.
Expos Annu Biochim Med 30:148-72, 1970 (92 ref.) (Fre)
[Morphogenesis of the trochanter produced by femoral regeneration in the phasmid Carausius morosus Br] Bart A. J Embryol Exp Morphol 25:301-20, Jun 71 (Fre)
[Study of the origin and differentiation of the pharynx during regeneration in Eisenia foetida (Annelida)] Chapron C.
J Embryol Exp Morphol 25:439-55, Jun 71 (Fre)
[Study of the phenomenon of regeneration after section of the antenna of the plasmid Sipyloidea sipylus W] Urvoy J.
J Embryol Exp Morphol 23:719-28, Jun 70 (Fre)
[Stress reaction of the adrenal gland regenerated after neonatal autografting] Brudieux R, et al.
J Physiol (Paris) 1:Suppl 1:97, 1969 (Fre)
[Experimental analysis of a so-called pancreatic regeneration] Mallet-Guy P, et al.
Lyon Chir 67:39-46, Jan-Feb 71 (Fre)
[Regeneration of denervated skeletal muscle after ischemic necrosis] Wildbolz U.
Acta Anat (Basel) 77:238-58, 1970 (Ger)
[Changes and recanalization in the bile ducts following experimental regional or total obstruction] Kaman J, et al. Arch Exp Veterinaermed 23:983-98, Nov 69 (Ger)
[Studies on swine. 35. Observations on animals with adrenocortical regeneration after bilateral adrenalectomy] Seidel H, et al.
Arch Exp Veterinaermed 24:361-72, 1970 (Ger)
[Rhythmic aspects of self adjustment] Hildebrandt G.
Arch Phys Ther (Leipz) 21:237-49, Jul-Aug 69 (Ger)
[Experimental studies of the regeneration ability of normal and inflammatory changed synovial membrane] Rosenkranz M, et al.
Beitr Orthop Traumatol 18:100-2, 1971 (Ger)
[The regeneration of the tendon in the growing and in the adult organism] Schmitt W, et al.
Beitr Pathol 141:261-75, 1970 (Ger)
[Topical histochemical studies on the reaction of clinically normal areas of the skin of psoriasis patients to stripping of the horny layer of the epidermis] Wohlrab W, et al. Dermatologica 142:79-88, 1971 (Ger)
[Intercalary regeneration and segmental gradients in the extremities of Leucophaea (Blattaria) larvae. II. Coxa and tarsus] Bohn H.
Dev Biol 23:355-79, Nov 70 (Ger)
[Histochemical and morphologic studies during regeneration of the adrenal glands following autotransplantation (rats)] Borst RH.
Endokrinologie 57:10-28, 1970 (Ger)
[Postoperative arthrographic evaluation of meniscus residue and meniscus regeneration] Thiemann KJ, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:759-68, Jun 70 (Ger)
[Regeneration of testicular parenchyma in rams] Vrzgulová M.
Gegenbaurs Morphol Jahrb 114:118-28, 1969 (Ger)
[Cell molting, reparatory and pathological regeneration] Oehlert W.
Hippokrates 41:307-22, Sep 70 (16 ref.) (Ger)
[Histoautoradiographic investigation of the regeneration of renal tubulus after temporary ischaemia of the kidney and bilateral adrenalectomy] Hübner K, et al.
Verh Dtsch Ges Pathol 54:559-64, 1970 (Ger)
[Functional regeneration after experimental synovectomy] Bozděch Z, et al.
Z Orthop 108:98-104, Jul 70 (Ger)
[Regeneration of the wall of the urinary bladder] Magasi P, et al. Z Urol Nephrol 62:209-16, 1969 (Ger)
[Electron microscopical studies on the islet regeneration in the rat pancreas after subtotal pancreatectomy] Marx M, et al.
Z Zellforsch Mikrosk Anat 110:569-87, 1970 (Ger)
[Electron microscopical studies on the islet regeneration in the rat pancreas after subtotal pancreatectomy] Marx M, et al.
Z Zellforsch Mikrosk Anat 10:569-87, 1970 (Ger)
[Proliferative inductive action of pulmonary tissue on corneal epithelium. Homologous transplantations of fetal lung of rabbits in the thickness of corneal parenchyma] Claudio C, et al.
Riv Anat Patol Oncol 33:85-97, 1968 (Ita)
[Regenerative capacity of the telencephalon in an adult anuran amphibian] Lombardo F, et al.
Riv Neurobiol 16:111-35, Jan-Mar 70 (Ita)
[Effect of neonatal thymectomy on rat gracilis muscle regeneration] Barisoni D, et al.
Sperimentale 119:269-79, May-Jun 69 (Ita)
[The effect of denervation on the regeneration of the gracilis muscle in rats] Barisoni D.
Sperimentale 119:255-67, May-Jun 69 (Ita)
[Failure to regenerate the anterior chamber after intercapsular extraction of cataract] Kogure F.
Ophthalmology (Tokyo) 13:716, Jul 71 (Jap)
[Histocytochemistry and the regenerative capacity of muscle tissue after experimental damage in white rats irradiated in utero] Kuć A.
Folia Morphol (Warsz) 30:279-88, 1971 (Pol)
[Post-traumatic regeneration of articular cartilage] Witwicki T, et al. Wiad Lek 24:951-7, 15 May 71 (Pol)
[Repair of the lymphatic vessels after their injury] Bocharov AA.
Arkh Anat Gistol Embriol 59:84-92, Jul 70 (Rus)
[Cambial elements of the tendons] Gusikhina VI.
Arkh Anat Gistol Embriol 59:77-84, Jul 70 (Rus)
[Regeneration of a series of ctenophore plates and the meridional canal of the ctenophore Beroe cucumis Fabr] Pylilo IV.
Arkh Anat Gistol Embriol 59:18-26, 1970 (Rus)
[Diurnal variations in mitotic activity of endothelium during reparative regeneration] Sapozhnikova LR.
Arkh Anat Gistol Embriol 59:93-5, Jul 70 (Rus)
[Posttraumatic regeneration of the gastric muscle layer] Verzhbitskaia NI.
Arkh Anat Gistol Embriol 59:46-51, 1970 (Rus)
[Some aspects of current theories on posttraumatic regeneration] Voĭtkevich AA, et al.
Arkh Anat Gistol Embriol 60:92-106, 1971 (Rus)
[Regenerative morphogenesis in nemerteans] Zhuravleva NG, et al.
Arkh Anat Gistol Embriol 59:12-22, Jul 70 (Rus)
[Metabolism and regeneration of the myocardium] Danilova KM, et al. Arkh Patol 33:29-36, 1971 (Rus)
[Study of conformational changes of flagellin during self-assembly by the optical rotatory dispersion method] Metlina AL, et al.
Biokhimiia 35:994-1001, Sep-Oct 70 (Rus)
[Restorative processes in rat ovaries in repeated resection] Artem'eva NS.
Biull Eksp Biol Med 69:110-2, Mar 70 (Rus)
[Mitotic activity of the regenerating kidney in rats] Braun AA, et al.
Biull Eksp Biol Med 68:91-4, Nov 69 (Rus)
[A morphologic analysis of the exocrine portion of the regenerating pancreas] Chichinadze MI.
Biull Eksp Biol Med 67:112-4, Jun 69 (Rus)
[Physiologic regeneration in rat kidneys] Farutina LM.
Biull Eksp Biol Med 66:97-9, Nov 68 (Rus)
[Migration of autonomic neurons to regeneration tissue] Koliomiftsev AK.
Biull Eksp Biol Med 68:109-12, Jun 69 (Rus)
[The relation between recovery of the adrenal cortex and the type of surgical intervention] Krasnoshchekov GP.
Biull Eksp Biol Med 65:103-7, Apr 68 (Rus)
[Changes in the concentration of sulfhydryl groups in the organs of white rats and mice during reparative regeneration of skeletal muscle] Nikitin VS, et al.
Biull Eksp Biol Med 66:103-5, Aug 68 (Rus)
[Comparative study of the distribution of mitoses in the regenerating submandibular gland of rats at early stages following resection and burns] Poradovskaia TP. Biull Eksp Biol Med 70:73-5, Dec 70 (Rus)
[Nuclear-cytoplasmic and nucleolar-nuclear correlations in epithelial prickel cells of the mucous membrane of regenerating gingiva] Samsonidze GG.
Biull Eksp Biol Med 70:86-8, Dec 70 (Rus)
[Nucleus-cytoplasm and nucleolus-nucleus relations in the basal epithelial cells of regenerating gingival mucous membrane] Samsonidze GG.
Biull Eksp Biol Med 70:83-5, Sep 70 (Rus)
[Polarization and electron microscopic studies of intracellular myocardial regeneration following myocytolysis] Semenova LA, et al.
Biull Eksp Biol Med 71:102-5, Mar 71 (Rus)
[Regeneration of gonads in reptiles] Shakhmardanov ZA, et al. Biull Eksp Biol Med 70:92-4, Sep 70 (Rus)
[Dynamics of bone marrow regeneration during local irradiation of mice and rats] Strelin GS, et al.
Biull Eksp Biol Med 70:85-8, Sep 70 (Rus)
[Quantitative characteristics of reparative processes in the rat stomach following resection of the fundal region] Timashkevich TB.
Biull Eksp Biol Med 72:91-4, Jul 71 (Rus)
[Restoration of lymphatic vessels following lymph node extirpation] Tomusiak TL.
Biull Eksp Biol Med 68:109-12, Aug 69 (Rus)
[Regenerating gastric muscle tissue under various experimental conditions] Verzhbitskaia NI.
Biull Eksp Biol Med 65:99-102, May 68 (Rus)
[Differences between types of regeneration] Zamaraev VN. Biull Eksp Biol Med 65:98-100, Apr 68 (Rus)
[Restoration of function in the regenerating retina of the anuran tadpole] Dabagian NV, et al.
Dokl Akad Nauk SSSR 185:957-60, 1 Apr 69 (Rus)
[Completeness of skin regeneration on rabbit cochleas following homotransplant removal] Efimov EA, et al.
Dokl Akad Nauk SSSR 189:219-21, Nov-Dec 69 (Rus)
[Radiation effects and regeneration processes in thymus and lymph node lymphoid tissue of rats after incorporation of cerium-144] Khussar IuP, et al.
Dokl Akad Nauk SSSR 185:1368-71, 21 Apr 69 (Rus)
[Characteristics of the mitotic cycles of the pigment epithelium and rudimentary retina cells during retina regeneration in adult newts (Triturus cristatus and Triturus taeniatus)] Mitashov VI.
Dokl Akad Nauk SSSR 189:666-9, Nov 69 (Rus)
[Characteristics of the mitotic cycle during lens regeneration after complete removal of the retina and lens in adult newts (Triturus cristatus)] Mitashov VI.
Dokl Akad Nauk SSSR 189:913-6, 1 Dec 69 (Rus)
[Disorders regulation of fiber formation in the crystalline lens of grass frog tadpoles following removal of the retina] Sokolova ZA, et al.
Dokl Akad Nauk SSSR 194:1229-32, 1970 (Rus)
[Recovery of cells from sublethal radiation damage with fractionated radiation dose] Malinovskiĭ OV.
Izv Akad Nauk SSSR [Biol] 2:221-31, Mar-Apr 71 (Rus)
[News concerning the study of regeneration and several problems of clinical medicine] Sarkisov DS.
Klin Med (Mosk) 48:14-20, Nov 70 (Rus)
[Radiation injury and reparation of intestinal tissue in early and late time periods after chronic exposure to radioactive substances] Lavrent'ev LN.
Radiobiologiia 10:612-4, Jul-Aug 70 (Rus)
[Radioautographic study of protein and RNA syntheses during paranecrosis and subsequent reparation] Kharazova AD. Tsitologiia 13:69-75, Jan 71 (Rus)
[Dynamics of DNA synthesis in pigment epithelium cells of adult tritons during regeneration of the eye following resection of the optic nerve and blood vessels] Mitashov VI.
Tsitologiia 12:1521-9, Dec 70 (Rus)
[Unscheduled DNA synthesis and repair of HeLa Zh-63 cells sublethally damaged by irradiation] Paribok VP, et al. Tsitologiia 12:1423-32, 1970 (Rus)
[Regenerative phenomena in Ctenophora larvae] Korotkova GP, et al.
Vestn Leningr Univ [Biol] 1:21-8, Feb 70 (Rus)
[Peculiarities of morphogenesis in the development of the calcareous sponge Leucosolenia complicata Mont. from small parts of its body wall] Korotkova GP.
Vestn Leningr Univ [Biol] 3:15-22, Aug 69 (Rus)
[Disorders of fiber formation in the crystalline lens of tadpoles following partial removal of the retina] Farberov AI, et al.
Zh Obshch Biol 31:481-9, Jul-Aug 70 (Rus)
[Changes in nucleic acid concentration in tissues of injured organs with different regenerative capability in mammals] Teplits NA, et al.
Zh Obshch Biol 31:732-41, Nov-Dec 70 (Rus)
[Some indices of energetic metabolism in the skeletal muscles in regeneration] Pkhakadze GA, et al.
Ukr Biokhim Zh 42:703-8, 1970 (Ukr)
[Relations between neurosecretion and regeneration in Dugesia lububris studied in various experimental conditions] Liotti FS, et al.
Riv Biol 63:495-7 passim, Jul-Dec 70 (Mul)
[Studies of regeneration of the pharynx in specimens of Dugesia lugubris] Pascolini R.
Riv Biol 63:483-91 passim, Jul-Dec 70 (Mul)
[Studies of regeneration of theharynx in specimens of Dugesia lugubris] Pascolini R.
Riv Biol 63:483-9 passim, Jul-Dec 70 (Mul)

DRUG EFFECTS

The effects of infused material upon the regeneration of newt limbs. 3. Blastemal extracts and alkaline phosphatase in irradiated limb stumps. Deck JD, et al.
Anat Rec 168:525-35, Dec 70
Streptomycin induced teratogenesis in developing and regenerating amphibians. Procaccini DJ, et al.
Oncology 24:378-87, 1970
Regeneration of the amputated amphibian limb: retardation by hemicholinium-3. Hui F, et al.
Science 170:1313-4, 18 Dec 70
[Relations between the morphogenetic events of regeneration and the synthesis of ribonucleic acids and proteins. Study in Eisenia foetida (Oligochaeta)] Chapron C.
C R Acad Sci [D] (Paris) 272:859-62, 8 Feb 71 (Fre)
[Effect of blood extract on the regeneration of the aortic wall] Kerényi T, et al.
Arzneim Forsch 21:474-6, Apr 71 (Ger)
[Thalidomide and morphogenetic processes in adults. Influence of thalidomide on regeneration of the tail of Triturus cristatus] Rinaldi L.
Boll Soc Ital Biol Sper 45:1268-72, 15 Oct 69 (Ita)
[Pathophysiology of the subcutaneous connective tissue cells under stimulation, especially the regeneration of the histiocyte] Kojima M, et al.
J Jap Med Assoc 65:840-8, 1 Apr 71 (Jap)
[Comparative characteristics of salivary gland regeneration while undergoing stimulation in various mammals] Ovsepian AA.
Biull Eksp Biol Med 71:98-101, Mar 71 (Rus)
[The effect of thyroxine and methylthiouracil on the gonadotropic reaction and ability of androgen to stimulate regeneration of cocks' combs] Vunder PA, et al. Biull Eksp Biol Med 68:93-6, Aug 69 (Rus)
[Effect of tadpole metabolites on regeneration rate] Shvarts SS, et al.
Dokl Akad Nauk SSSR 195:1207-10, 1970 (Rus)
[Radioautographic study of DNA synthesis, determined by incorporation of thymidine-H3, during the restoration of the regeneration ability of axoloti extremities suppressed by x-irradiation] Tuchkova SIa. Dokl Akad Nauk SSSR 186:724-7, May 69 (Rus)
[Changes in the rate of regeneration and neurosecretory activity in specimens of Dugesia lugubris treated with cobalt chloride] Liotti FS, et al.
Riv Biol 63:323-44, Jul-Dec 70 (Mul)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIATION EFFECTS

Nucleic acid and protein synthesis, as measured by incorporation of tracers, during regeneration in ultraviolet-treated Blepharisma. Giese AC.
Exp Cell Res 64:218-26, Jan 71

Bone marrow, spleen, and thymus regeneration patterns in mice after whole-body irradiation. Takada A, et al. Radiat Res 45:522-35, Mar 71

[The implantation of a labelled graft to follow the regeneration of normal or total body irradiated planarians] Gabriel A.
Annee Biol 9:519-26, Jul-Oct 70 (Fre)

[Restoration of the cortex of autologous adrenal gland grafts following their roentgen irradiation in vitro and enucleation] Truupyl'd AIu.
Arkh Anat Gistol Embriol 59:51-8, 1970 (Rus)

[Functional principle in the physiology of development] Popov VV.
Usp Sovrem Biol 64:294-311, Sep-Oct 67 (62 ref.) (Rus)

REGIONAL BLOOD FLOW (G1)

Electrical impedance plethysmography. II. Analysis of a pathological material. Derblom H, et al.
Acta Chir Scand 136:587-90, 1970

Electrical impedance plethysmography as a method of evaluating the peripheral circulation. I. Analysis of method. Derblom H, et al.
Acta Chir Scand 136:579-86, 1970

Clinical use of electrical impedance plethysmography in circulatory disturbances in the lower extremities. 3. Presentation of case notes. Derblom H, et al.
Acta Chir Scand 136:681-98, 1970

Measurement of forces producing longitudinal stretching of the arterial wall, examined in the artery proximal to an arterio-venous fistula. Ingebrigtsen R, et al. Acta Chir Scand 136:569-73, 1970

Venous pressure changes during congestion. Venous pressure in the great saphenous vein during congestion with a blood pressure cuff proximal to the knee. Hesse B. Acta Med Scand 188:447-9, Nov 70

Blood flow through the basilar membrane capillaries. With 16mm color motion picture. Lawrence M.
Acta Otolaryngol (Stockh) 71:106-14, Feb-Mar 71

Thermodilution technique for the quantitation of intra-cardiac shunts; an experimental evaluation. Hedvall G, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:50+, 1970

Effects of vasoconstriction on blood viscosity in vivo. Baeckström P, et al.
Acta Physiol Scand 81:376-84, Mar 71

Blood flow in the calf muscle of man during heavy rhythmic exercise. Folkow B, et al.
Acta Physiol Scand 81:157-63, Feb 71

Increased forearm blood flow during ketoacidosis in man. Nielsen SL. Acta Physiol Scand 80:32A, Dec 70

Hepatic blood flow in dogs measured by Xe133 clearance technique. Danielson BG, et al.
Acta Soc Med Ups 75:171-80, 1970

Phasic renal artery blood flow velocity in man during cardiac arrhythmias. Benchimol A, et al.
Am J Med Sci 261:161-6, Mar 71

The effect of hyperbaric oxygenation upon renal hemodynamics. Kioschos JM, et al.
Am J Med Sci 260:270-8, Nov 70

An automated collecting and measuring device for uterine blood flow studies. Abrams R, et al.
Am J Obstet Gynecol 106:936-40, 15 Nov 70

Thermal aspects of uterine blood flow in nonpregnant sheep. Abrams RM, et al.
Am J Obstet Gynecol 106:919-24, 15 Nov 70

Cardiac output and regional blood flow in hypoxic woodchucks. Burlington RF, et al.
Am J Physiol 220:1565-8, Jun 71

Combined effect of carotid sinus hypotension and digestion on splanchnic circulation. Fronek A.
Am J Physiol 219:1759-62, Dec 70

Blood pressure, flow, and elastic properties in microvessels of cat omentum. Intaglietta M, et al.
Am J Physiol 221:922-8, Sep 71

Regional circulatory responses to arterial hypoxia in the anesthetized dog. Krasney JA.
Am J Physiol 220:699-704, Mar 71

Coronary and visceral vasoactivity associated with eating and digestion in the conscious dog. Vatner SF, et al. Am J Physiol 219:1380-5, Nov 70

Effects of pulsatile and non-pulsatile perfusion upon cerebral and conjunctival microcirculation in dogs. Matsumoto T, et al. Am Surg 37:61-4, Feb 71

The escape of the renal blood flow response during sympathetic nerve stimulation. Johansson B, et al.
Angiologica 7:333-43, 1970

Measurement of hepatic arterial and portal venous blood flow in hepatic diseases. (Preliminary report). Nakamura T, et al. Angiology 22:46-51, Jan 71

Organ blood flow measured by radionuclide-labeled microspheres during mechanical ventricular assistance. Raciti A, et al.
Ann Thorac Surg 11:43-50, Jan 71

Myocardial blood flow. Measurement by a coincidence counting system and single bolus of 84Rb. Koebel SB, et al. Arch Intern Med 127:767-72, Apr 71

Effect of ambient temperature on circulatory response to experimental ischemia in the human forearm and hand. Abramson DI, et al.
Arch Phys Med Rehabil 52:97-109, Mar 71

Evaluation of ultrasound echography in studies of peripheral vessels. Lota MJ, et al.
Arch Phys Med Rehabil 52:1-7, Jan 71

Determinants of blood flow in aortic-coronary saphenous vein bypass grafts. Johnson WD, et al.
Arch Surg 101:806-10, Dec 70

Muscle blood flow in the human biceps as a function of developed muscle force. Mortimer JT, et al.
Arch Surg 103:376-7, Sep 71

In vivo cinephotographic analysis of aortic and major arterial flow patterns. Rogers WH, et al.
Arch Surg 103:93-5, Jul 71

Effect of sympathectomy on the severely traumatized artery. Williams GD, et al. Arch Surg 101:704-7, Dec 70

Calculation of cardiovascular force from phasic regional blood flow. Harrison WK.
Bibl Cardiol 26:262-8, Mar-Apr 69

Blood distribution of the organs examined by 86 Rb uptake under intrauterine conditions and in the newborn, in normal and hypoxic rabbits. Boda D, et al.
Biol Neonate 18:71-7, 1971

Regulation of the peripheral circulation. Folkow B.
Br Heart J 33:Suppl:27-31, 1971 (21 ref.)

Regional blood flow and oxygenation in haemorrhagic shock. Clark RG, et al. Br J Surg 57:851-2, Nov 70

An in vivo study of the blood-flow patterns across the normal mitral valve. Williams BT, et al.
Br J Surg 57:850, Nov 70

The effect of blood pressure changes on the leptomeningeal circulation of the rabbit. Russell RW, et al. Brain 93:491-504, 1970

Bone and skeletal blood flow in man measured by a radioisotopic method. Shim SS, et al.
Can J Surg 14:38-41, Jan 71

Oxygen and the local regulation of blood flow: possible significance of longitudinal gradients in arterial blood oxygen tension. Duling BR, et al.
Circ Res 28:Suppl 1:65-9, Jan 71

Bioassay and other evidence for participation of chemical factors in local regulation of blood flow. Haddy FJ, et al. Circ Res 28:Suppl 1:86-92, Jan 71

Autoregulation in normal and pathological states including shock and ischemia. Hinshaw LB.
Circ Res 28:Suppl 1:46-50, Jan 71

Role of hypercapnic acidosis in the local regulation of blood flow in skeletal muscle. Kontos HA.
Circ Res 28:Suppl 1:98+, Jan 71

Pressure-dependent heterogeneity of renal cortical blood flow in dogs. McNay JL, et al.
Circ Res 27:571-87, Oct 70

Capillary control of blood flow and fluid exchange. Rodbard S. Circ Res 28:Suppl 1:51-8, Jan 71

Effects of carotid sinus nerve stimulation on blood-flow distribution in conscious dogs at rest and during exercise. Vatner SF, et al. Circ Res 27:495-503, Oct 70

Blood flow in the diabetic leg. Barner HB, et al.
Circulation 43:391-4, Mar 71

Measurement of coronary sinus blood flow by continuous thermodilution in man. Ganz W, et al.
Circulation 44:181-95, Aug 71

The autoregulation of blood flow through organs and tissues. Fentem PH, et al. Clin Sci 40:1P, Feb 71

A suggested method for assessing impairment of myocardial blood flow in patients undergoing selective coronary arteriography. Fluck DC, et al.
Clin Sci 40:25P-26P, Jun 71

A computer-controlled scintiscanning system and associated computer graphic techniques for study of regional distribution of blood flow. Coulam CM, et al.
Comput Biomed Res 3:249-73, Jun 70

Blood flow and gastrointestinal diseases. Bynum TE, et al. Digestion 4:109-16, 1971

Photoelectric plethysmography. Ocular blood flow measurements in dogs. Christensen RE, et al.
Invest Ophthalmol 10:247-51, Apr 71

Distribution of blood flow to the muscle and mucosa of the rat esophagus. Zboralske FF, et al.
Invest Radiol 6:255-9, Jul-Aug 71

Cortical blood flow in ureteral obstruction. Lackner H, et al. Invest Urol 8:319-23, Nov 70

Simultaneous determination of glomerular filtration rate and effective plasma flow by external monitoring of radioisotopes. An experimental study in dogs. Pedersen JF, et al. Invest Urol 8:203-9, Sep 70

Measurement of changes in blood volume as a result of osteopathic manipulation. Eshleman J, et al.
J Am Osteopath Assoc 70:1073-9, Jun 71

Measurement of intrathoracic circulation times with the gamma-ray scintillation camera. Rosenthall L.
J Can Assoc Radiol 21:228-9, Dec 70

Regulation of spinal blood flow under physiological and pathological conditions. Palleske H, et al.
J Neurol Neurosurg Psychiatry 33:716, Oct 70

Percutaneous embolization of spinal cord arteriovenous malformations. Doppman JL, et al.
J Neurosurg 34:48-55, Jan 71

Effects of local pressure on cortical electrical activity and cortical vessels in the dog. Numoto M, et al.
J Neurosurg 33:381-7, Oct 70

The effect of variations in heart rate and regional distribution of blood flow on the normal pressor response to diving in ducks. Butler PJ, et al.
J Physiol (Lond) 214:457-79, May 71

The influence of deep body temperatures and skin temperatures on peripheral blood flow in the pig. Ingram DL, et al. J Physiol (Lond) 215:693-707, Jul 71

Surgical preparation of a chronic maternal-fetal model in pregnant sheep: a technique for the measurement of middle uterine blood flow, umbilical blood flow, and fetal sampling in the awake sheep. Soma LR, et al.
J Surg Res 11:85-94, Feb 71

The initial flow through an internal mammary artery implanted into the myocardium. Baird RJ, et al.
J Thorac Cardiovasc Surg 61:456-60, Mar 71

Cardiac output and its regional distribution in the dog. Measurement with the electromagnetic flowmeter. Dedichen H, et al.
J Thorac Cardiovasc Surg 61:110-20, Jan 71

Distribution of systemic blood flow of the rhesus monkey during cardiopulmonry bypass. Lees MH, et al. J Thorac Cardiovasc Surg 61:570-86, Apr 71

Renal blood flow after unilateral nephrectomy. Roding B, et al. J Trauma 11:263-5, Mar 71

The cortical and medullary blood flows of the isolated dog's kidney. Miyamoto J, et al.
Jap J Physiol 20:584-97, 15 Oct 70

Relationship between venous flow and colonic peristalisis. Semba T, et al.
Jap J Physiol 20:408-16, Aug 70

Regional cerebral blood-flow in transient ischaemic attacks. Rees JE, et al. Lancet 2:1210-3, 12 Dec 70

The influence of motor activity and sensible excitation on the regional spinal blood flow. Loew F, et al.
Minerva Neurochir 14:305-8, 1970

Uterine blood flow during labor. Scheffs J, et al.
Obstet Gynecol 38:15-24, Jul 71

Peripheral circulatory response to feeding in the newborn infant. Yao AC, et al.
Pediatrics 47:378-83, Feb 71

A study of cerebral blood flow in experimental head injury: the beneficial effects of hemodilution. Mead CO. Proc Inst Med Chic 28:173-9, Sep 70

Effect of a change of perfusion on exit of nitrogen and oxygen from gas pockets. Van Liew HD.
Resp Physiol 12:163-8, Jun 71

Regional blood-flow changes during 72-hour avoidance schedules in the monkey. Forsyth RP.
Science 173:546-8, 6 Aug 71

Bone marrow blood flow studied by iodoantipyrine clearance technique. Semb H.
Surg Gynecol Obstet 133:472-4, Sep 71

Extremity blood flow and distribution: the effects of arterial occlusion, sympathectomy, and exercise. Rutherford RB, et al. Surgery 69:332-44, Mar 71

Relationship between splanchnic blood flow and a myocardial depressant factor in endotoxin shock. Wangensteen SL, et al. Surgery 69:410-8, Mar 71

Retinal blood vessels and ocular blood flow. Christensen RE, et al.
UCLA Forum Med Sci 8:411-41, 1969

The vascularisation of the spinal cord--anatomical and pathophysiological aspects. Fazio C, et al.
Vasc Surg 4:245-57, Dec 70

Blood flow in transplanted tumors: quantitative approaches to radioisotopic studies. Spencer RP.
Yale J Biol Med 43:22-30, Aug 70

The mechanical basis of supportive therapy in chronic venous insufficiency. I. The ankle pump. Lippmann HI. Zentralbl Phlebol 9:77-86, May 70

[Changes in the tissue blood perfusion following hypophysectomy in rats] Kapitola J, et al.
Cas Lek Cesk 109:943-5, Sep 70 (Cze)

[Blood flow in rat organs during their development] Kapitola J, et al. Sb Lek 73:143-8, May 71 (Cze)

[Total and local circulation figures in rats] Kapitola J, et al. Sb Lek 72:276-80, Oct 70 (Cze)

[Normal coronary tachygram (experimental study)] Bogaert A van, et al.
Arch Mal Coeur 63:1559-72, Nov 70 (Fre)

[Trials of a thermograph in ophthalmology] Raynaud G.
Bull Soc Ophtalmol Fr 70:613-9, May-Jun 70 (Fre)

[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in man] Pinding M.
Aerztl Forsch 24:358-64, 10 Dec 70 (Ger)

[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in dog] Pinding M.
Aerztl Forsch 24:331-40, 10 Nov 70 (Ger)

[Simultaneous light and thermo-electric recording of changes in eye and frontal-lobe blood flow in the cat] Iske H, et al.
Arch Exp Veterinaermed 24:289-96, 1970 (Ger)

[Possibilities of the qualitative and quantitative determination of local blood circulation in bones] Schirmeyer R.
Beitr Orthop Traumatol 17:67-70, Jan 70 (Ger)

[Radiologic-densitometric analysis of blood circulation and tissue perfusion] Heuck F, et al.
Biomed Tech (Stuttg) 16:51-8, Apr 71 (Ger)

[Studies on tissue clearance before and after ligature of the femoral vein in the rabbit] Heymann H, et al.
Bruns Beitr Klin Chir 218:376-80, Nov 70 (Ger)

[Changes in the cutaneous blood flow in disease and old age] Forck G. Cosmetologica 19:37-46, 20 Feb 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Blood circulation disorders of the skin as a cosmetic and measuring technical problem] Forck G.
Cosmetologica 19:367-82, 20 Oct 70 (Ger)
[Late studies on the blood flow in free autologous whole skin autografts in man] Gloor M, et al.
Dermatol Monatsschr 156:236-42, Apr 70 (Ger)
[Unilateral determination of the effective renal plasma flow using radioisotopes. Clinical comparative studies on PAH-clearance] May P, et al.
Dtsch Med Wochenschr 96:152-5 passim, 22 Jan 71 (Ger)
[Determination of the effective renal plasma flow using 131I-hippuric acid whole-body clearance] Pixberg HU, et al.
Dtsch Med Wochenschr 96:156 passim, 22 Jan 71 (Ger)
[Comparative studies on the determination of the effective renal plasma flow using PAH and o-131-I-hippuric acid] Pixberg HU, et al.
Dtsch Med Wochenschr 96:117-20, 15 Jan 71 (Ger)
[Blood flow determinations in the long dorsal muscle (m. longissimus) of swine using Xenon-133] Giese W, et al.
Dtsch Tieraerztl Wochenschr 77:606-9, 1 Dec 70 (Ger)
[Intraoperative determination of blood flow in aortocoronary bypass operations] Hahnloser P, et al.
Helv Chir Acta 38:84-7, Apr 71 (Ger)
[Inflow improvement through pelvic trunk disobliteration as a prerequisite for successful peripheral vascular surgery] Meier WE, et al.
Helv Chir Acta 38:144-6, Apr 71 (Ger)
[Measurement of regional blood circulation of the lungs] Venrath H. Med Welt 28:1276-9, 11 Jul 70 (Ger)
[Comparison of the determination of the renal blood flow using radioxenon with other clinical parameters] Buchali K, et al.
Radiobiol Radiother (Berl) 11:295-8, 1970 (Ger)
[Myocardial blood flow after reconstructive coronary surgery. Measurement of coronary blood flow with the Xenon-myocardial-clearance method] Albert H, et al.
Schweiz Med Wochenschr 100:1749-59, 17 Oct 70 (Ger)
[Recent experimental findings on the superior mesenteric artery artery blood flow] Hahnloser P, et al.
Schweiz Med Wochenschr 100:1240-2, 11 Jul 70 (Ger)
[Effect of intra-aortic balloon pulsation on the hemodynamics and coronary circulation of the competent left ventricle] Bleifeld W, et al.
Thoraxchirurgie 18:361-9, Oct 70 (Ger)
[Control of gastrointestinal mucosa perfusion and its influence on digestion] Demling L, et al.
Verh Dtsch Ges Inn Med 75:274-9, 1969 (Ger)
[Extremity perfusion and cerebrovascular circulation in total arteriovenous block, during pacemaker stimulation as well as under the influence of hemodilution] Gottstein U, et al.
Verh Dtsch Ges Inn Med 75:427-9, 1969 (Ger)
[Flow dynamics in the presence of artificial heart valves] Effert S.
Verh Dtsch Ges Kreislaufforsch 36:45-53, 1970 (Ger)
[Extramural coronary arteries and intramural blood flow in experimental coronary occlusion] Felix R, et al.
Verh Dtsch Ges Kreislaufforsch 36:192-4, 1970 (Ger)
[Myocardial blood flow after interposition of the saphenous vein] Meisner H, et al.
Verh Dtsch Ges Kreislaufforsch 36:195-201, 1970 (Ger)
[Thermoregulation of the infants skin under different environmental noise at different environmental temperatures] Döring B, et al.
Z Kinderheilkd 109:221-7, 1971 (Ger)
[Studies of the fluctuations of skin blood flow in infants under different environmental noise levels] Döring B, et al. Z Kinderheilkd 109:211-20, 1971 (Ger)
[Peripheral blood flow changes after surgical correction of heart defects] Delius W, et al.
Z Kreislaufforsch 58:1260-72, Dec 69 (Ger)
[Behavior of the blood volume of the lower extremities in chronic venous insufficiency] Lofferer O, et al.
Zentralbl Phlebol 9:244-57, Nov 70 (Ger)
[Transit time of hippuran 131-I in the brain of patients with acute ischemic stroke] Lavy S, et al.
Harefuah 77:296-8, 1 Oct 69 (Heb)
[Arterial circulation in the kidney of birds] Rosati P, et al. Acta Med Vet (Napoli) 16:305-33, Sep-Dec 70 (Ita)
[Mesenteric blood flow after vagotomy] Butti A, et al.
Chir Patol Sper 17:273-81, Oct 69 (Ita)
[Evaluation of the splenic blood flow by means of devitalized erythrocytes] Tizianello A, et al.
Minerva Med 61:5641-6, 8 Dec 70 (Ita)
[Speed of propagation of the rheographic wave in the lower extremities in normal subjects, patients with arteriosclerosis obliterans and subjects with peripheral arterial sclerosis] Di Renzi L, et al.
Riv Med Aeronaut Spaz 33:307-29, Jul-Sep 70 (Ita)
[Experimental studies of the so called "borrowing lending" phenomenon] Tachiwada M.
Acta Med (Fukuoka) 40:178-97, Mar 70 (Jap)
[Effects of acid-base balance on cardiac output and renal blood flow] Sato T.
Jap J Anesthesiol 19:1469-79, Dec 70 (Jap)
[Local blood flow in tumor regions and radiosensitivity] Tanaka N.
Jap J Cancer Clin 17:338-40, May 71 (Jap)
[Blood flow of the stomach and secretion of the gastric juice] Hiraki K, et al.
Jap J Clin Med 28:2460-4, Oct 70 (24 ref.) (Jap)
[Measurement of the blood flow through the muscles of the lower extremities with the aid of the Xe-133] Hahn L, et al. Pol Przegl Chir 42:1411-8, Oct 70 (Pol)
[Intrarenal blood flow in dogs. Comparison of the radioisotope, dye and direct methods] Lemańska Z, et al. Pol Przegl Radiol 35:227-35, 1971 (Pol)
[Rheographic study of the relationship between cerebral hemodynamics and peripheral circulation in persons engaged in mental work] Markhasina I, et al.
Acta Physiol Acad Sci Hung 38:67-70, 1970 (Rus)
[Effector structures of vascular reactions (plethysmographic and rheographic study of the orienting reflex)] Fantalova VL.
Biull Eksp Biol Med 70:15-8, Dec 70 (Rus)
[Analysis of fluctuations in the blood filling of an organ and pulse fluctuations of its volume as an example of studies of the orientation reflex] Fantalova VL.
Biull Eksp Biol Med 70:3-7, Aug 70 (Rus)
[A regional perfusion pump with automatic stabilization pressure in the major artery of the organ] Mofbenko AA, et al.
Biull Eksp Biol Med 66:113-6, 1968 (Rus)
[Ultrasonic method of studying regional blood flow] Saakov BA, et al.
Biull Eksp Biol Med 71:116-9, May 71 (Rus)
[The fragmentary morpho-functional organization of the bulbar vasomotor center] Val'dman AV, et al.
Biull Eksp Biol Med 69:15-21, Apr 70 (Rus)
[Regional reactions of resistant vessels during chemoreflexes from different sections of the intestines] Samoflenko AV.
Fiziol Zh SSSR 56:1227-32, Sep 70 (Rus)
[Participation of the kidney neural apparatus in prolonged shifts of kidney hemodynamics following administration of adrenaline and noradrenaline] Zakharzhevskaia NP, et al.
Fiziol Zh SSSR 57:116-23, Jan 71 (Rus)
[Kidney blood circulation in cardiac insufficiency] Merzon AK, et al. Kardiologiia 10:116-22, Nov 70 (Rus)
[Effect of arrhythmia on the coronary circulation] Vinogradov AV, et al.
Kardiologiia 10:55-69, Nov 70 (Rus)
[Anesthesiological provision of regional artificial circulation] Mushegian SA, et al.
Vestn Khir 103:92-6, Nov 69 (Rus)
[Characteristics of uterine blood circulation in the puerperium according to clinical-rheographic data] Kalganova RI, et al.
Vopr Okhr Materin Det 15:64-7, Oct 70 (Rus)
[Effect of acceleration on the distribution of pulmonary blood flow] Dolgova-Korubin V, et al.
God Zb Med Fak Skopje 16:89-96, 1970 (Ser)
[Quantitative recording of changes in tissue blood flow by thermoelectric method] Vyshatina OI, et al.
Fiziol Zh 14:126-30, Jan-Feb 68 (Ukr)
[Venous return through inferior vena cava in cough and paroxysmal inspiratory effort] Ivančo I, et al.
Cesk Fysiol 19:233-4, Dec 70 (Slo)

DRUG EFFECTS

Influence of some vaso-active substances on regional blood flow in the dog kidney. A study on normovolaemic and hypovolaemic dogs. Grängsjö G, et al. Acta Anaesthesiol Scand 15:71-95, 1971
Blood flow and radioiodine uptake in the thyroid gland of rats after administration and discontinuation of methylthiouracil. Kapitola J, et al.
Acta Endocrinol (Kbh) 65:435-41, Nov 70
Effects of vasoactive drugs on circulation in canine subcutaneous adipose tissue. Fredholm BB, et al.
Acta Physiol Scand 79:564-74, Aug 70
Effect of local intraarterial administration of bradykinin and hydergine in obstructive arterial disease. Eriksson U.
Acta Radiol [Diagn] (Stockh) 10:449-57, Nov 70
Effects of ouabain on splanchnic hemodynamics in the rhesus monkey. Shanbour LL, et al.
Am Heart J 81:511-5, Apr 71
Effects of hormones and of blood flow on insulin output of isolated pancreas in situ. Rappaport AM, et al.
Am J Physiol 221:343-8, Jul 71
Regional blood flows of the rhesus monkey during halothane anesthesia. Lees MH, et al.
Anesth Analg (Cleve) 50:270-81, Mar-Apr 71
Systemic and regional blood flow changes during halothane anesthesia in the Rhesus monkey. Amory DW, et al. Anesthesiology 35:81-90, Jul 71
Circulatory effects of peridural block. I. Effects of level of analgesia and dose of lidocaine. Bonica JJ, et al. Anesthesiology 33:619-26, Dec 70
Response of mesenteric blood flow to glucagon. Influence of pharmacological stimulation and blockade of adrenergic receptors. Tibblin S, et al.
Arch Surg 102:65-90, Jan 71
Peripheral vascular reactivity to angiotensin and noradrenaline in pregnant and non-pregnant women. Lumbers ER.
Aust J Exp Biol Med Sci 48:493-500, Oct 70
Beta-adrenoceptor antagonist activity of 3-methoxyisoprenaline. Bassett JR.
Br J Pharmacol 41:113-21, Jan 71
The effect of ingested alcohol on hand blood flow in resting man. Carter SJ, et al.
Br J Pharmacol 40:570P+, Nov 70
Effect of beta-adrenoceptor blocking compounds (propranolol, practolol and LB 46) on isoprenaline induced changes in regional blood flow in the rat. Debreczeni L, et al. Br J Pharmacol 41:171-6, Feb 71
The effect of ethyl alcohol and chlorpromazine on the response of the hand blood vessels to cold. Downey JA, et al. Br J Pharmacol 40:396-405, Nov 70
Vascular actions of clonidine in man. Hodge RL, et al.
Br J Pharmacol 40:573P+, Nov 70
The effect of dipyridamole on tissue perfusion following freezing injury in the rat. Da Costa J, et al.
Br J Surg 58:201-4, Mar 71
Comparative effects of dihydroergotamine and noradrenaline on resistance, exchange and capacitance functions in the peripheral circulation. Mellander S, et al. Clin Sci 39:183-201, Aug 70
Hemodynamic effects of isoproterenol and nor-epinephrine. An experimental study of cardiac output and regional blood flows. Dedichen H Schenk WG Jr.
J Cardiovasc Surg (Torino) 11:209-18, May-Jun 70
Flow decrease through rat hind limb vasculature by (plus or minus)-carnitine, (plus or minus)-acetylcarnitine and (plus or minus)-chloroacetylcarnitine chlorides. Louis-Ferdinand RT, et al.
J Pharm Pharmacol 22:704-5, Sep 70
Intrarenal blood flow distribution in the rat, and the effect of angiotensin, noradrenaline and vasopressin. Finberg JP, et al.
J Physiol (Lond) 209:Suppl:21P+, Jul 70
Changes in pulsatile coronary blood flow induced by coronary vasodilators. Nakamura Y, et al.
Jap Heart J 11:470-7, Sep 70
Adrenergic control of canine synovial perfusion in experimentally induced osteoarthritis and synovitis. Dick W, et al. Res Vet Sci 11:587-90, Nov 70
Mesenteric microcirculation in the rat, the "P"-phenomenon. Vacek L, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:293-4, 1970
[Reduction in peripheral blood flow after vasodilating procedures in patients with gangrene of the toes due to arteriosclerosis obliterans] Uhrenholdt A, et al.
Nord Med 85:137-43, 4 Feb 71 (Dan)
[Vascular effect of ephedrine in muscular and mesenteric regions] Wepierre J, et al.
Arch Int Pharmacodyn Ther 185:34-46, May 70 (Fre)
[Pharmacology of the coronary circulation] Charlier R.
Rev Med Liege 23:269-77 contd, 1 May 68 (Fre)
[New pharmacological method of treatment of peripheral arteritis. I. Circulatory effects of ET 495: 1-(2"-pyrimidyl)-4-(3',4'-methylenedioxybenzyl)piperazine] Laubie M, et al.
Therapie 24:543-54, May-Jun 69 (Fre)
[Effect of propanidid on the isolated heart of warm-blooded animals] Dudziak R, et al.
Arzneim Forsch 20:1080-4, Aug 70 (Ger)
[Blood flow in myocardium, liver, kidney, skeletal muscle and brain of cats after intravenous injection of butyl-2-(diiodide-3',5'-diethylaminoethoxy-4'-benzoyl)-3-benzofurane] Haliwachs H, et al.
Arzneim Forsch 21:927-9, Jul 71 (Ger)
[Pharmacology of a new potent analgesic] Herrmann M, et al. Arzneim Forsch 20:977-83, Aug 70 (Ger)
[Study of human peripheral hemodynamics after i.v. infusion of a small dosage of dl-1-(2',5'-dimethoxyphenyl)-2-glycinamidoethanol-(1) hydrochloride (=st 1085)] Ehringer H.
Int Z Klin Pharmakol Ther Toxikol 4:415-20, Jun 71 (Ger)
[Reaction of the blood circulation in the extremities with intravenous Raubasin infusions] Schütz RM, et al. Med Welt 14:554-9, 3 Apr 71 (Ger)
[Distribution of blood after thiopental] Habermann H, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:344, 1970 (Ger)
[Studies on the pharmacodynamic influencing of the coronary blood flow] Baubkus H, et al.
Verh Dtsch Ges Inn Med 75:416-9, 1969 (Ger)
[Coronary blood flow and myocardial metabolism under the effect of glucagon] Baubkus H, et al.
Verh Dtsch Ges Kreislaufforsch 36:188-92, 1970 (Ger)
[Intracutaneous hormone therapy activates local blood flow] Heynen U.
Z Allgemeinmed 46:1043-4, 20 Jul 70 (Ger)
[Blood flow measurements before and after streptokinase therapy of chronic arterial thrombosis and stenosis] Schmidtke I, et al.
Z Kreislaufforsch 59:873-84, Aug 70 (Ger)
[Changes in regional hemodynamics in response to blocking of the adrenergic beta receptors] Granata L, et al. Boll Soc Ital Biol Sper 46:170-3, 28 Feb 70 (Ita)
[Effect of beta-adrenergic block on regional circulation] Sanguinetti M, et al.
Boll Soc Ital Cardiol 15:642-8, 1970 (Ita)
[Clinico-therapeutic controls of the antihypertensive drugs and compounds effective on the regulation of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the regional circulation] Guglielmi G, et al. Clin Ter 57:31-48, 15 Apr 71 (Ita)
[Action of Persantin and nitroglycerin on regional hemodynamics in the dog. Preliminary note] Pandolfo G, et al. Minerva Cardioangiol 19:40-5, Jan 71 (Ita)
[Comparative evaluation of 2 fluorinated anesthetics on the peripheral regional circulation] Bertieri AL, et al. Pathologica 59:451-3, Nov-Dec 67 (Ita)
[Alpha blocking properties of dihydro ergot derivatives. Regional sphygmographic finding] D'Ayala Valva G, et al. Riv Crit Clin Med 67:177-90, Aug 67 (Ita)
[Alpha blocking properties of dihydro ergot derivatives. Findings on skin and muscle temperature] D'Ayala Valva G, et al. Riv Crit Clin Med 67:191-9, Aug 67 (Ita)
[Effect of certain adrenergic and adrenolytic drugs on tissue blood flow determined by the radioactive xenon method] Halawa B, et al. Pol Tyg Lek 25:1792-4, Nov 70 (Pol)
[Characteristic of the effect of catron on blood influx in the ischemic myocardium] Sapozhkov AV. Farmakol Toksikol 33:563-7, Sep-Oct 70 (Rus)
[Peripheral vessel rraction to several vasoactive agents] Abdullina RN. Fiziol Zh SSSR 56:605-9, Apr 70 (Rus)
[Effect of some pituitary hormones on renal hemodynamics] Zakharzhevskaia NP. Fiziol Zh SSSR 56:1848-56, Dec 70 (Rus)

RADIATION EFFECTS

[Studies on the dynamics of increased tissue blood flow due to Swieradow radioactive baths. Effects of premedication with sympatholytics] Lukasik S, et al. Pol Tyg Lek 25:1799-801, Nov 70 (Pol)

REGIONAL MEDICAL PROGRAMS (N3)

Indiana regional Medical Program--stroke. Nie D. Am J Occup Ther 25:250-2, Jul-Aug 71
Role of the consumer in regional medical programs. Wells BB. Am J Public Health 60:2133-8, Nov 70
Treatment of Hodgkin's disease. Campbell EW Jr. Ann Intern Med 74:639-40, Apr 71
The role of rehabilitation in the regional medical programs. Klieger PA. Arch Phys Med Rehabil 52:47-51, Feb 71
Implications for nursing in the library activities of the Regional Medical Programs. Henderson V. Bull Med Libr Assoc 59:53-64, Jan 71
The Regional Medical Program in California. Its changing nature. Ward PD. Calif Med 114:87-90, Mar 71
The president's page. Granoff MA. Conn Med 35:67-8, Feb 70
Connecticut regional medical program. Robinson LA. Conn Med 34:529-30, Jul 70
No RMP for Delaware? Bishoff RJ. Del Med J 43:113, Apr 71
Report of Inter-Society Commission for Heart Disease Resources. Foreword. Margulies HS. J Am Osteopath Assoc 69:1118-9, Jul 70
F.R.M.P. (Florida Regional Medical Program). Collins CM. J Fla Med Assoc 58:44-6, Feb 71
A Hoosier success. J Iowa Med Soc 60:775, Nov 70
A point at issue. Hume WI Jr. J Ky Med Assoc 69:451-2, Jun 71
A new telephone tape information service. J Med Soc NJ 67:639-40, Oct 70
Regional medical programs and medical care in rural Oklahoma. Groom D. J Okla State Med Assoc 63:165-7, Apr 70
The South Carolina Regional Medical Program, its status today. Moseley V. J SC Med Assoc 67:188-90 passim, Apr 71
A Regional Medical Program acts to help relieve the health care crisis. Teschan PE. J Tenn Med Assoc 63:938-41, Nov 70
Medical care programs. Mehler H. Mich Med 70:558, Jun 71
Regional medical programs in search of a mission. Komaroff AL. N Engl J Med 284:758-64, 8 Apr 71
RMP co-ordinators. Youngerman RA. N Engl J Med 285:128-9, 8 Jul 71
Psychiatric contribution to a regional medical program. Dickel HA, et al. Northwest Med 69:776-9, Oct 70
The district medical co-ordination committee. West SR. NZ Med J 72:255-7, Oct 70
Regional Medical Programs. Georgia. Barrow JG. Postgrad Med 48:218-21, Aug 70
Regional medical programs: Washington-Alaska: the rural area. Bratrude AP. Postgrad Med 48:274-7, Oct 70
Redesign of health services. 2. Daniels RS. Postgrad Med 50:133-7, Jul 71
Regional Medical Programs. Colorado-Wyoming. Hildebrand PR. Postgrad Med 49:251-5, Apr 71
Regional Medical Programs. Western New York. Ingall JR. Postgrad Med 49:248-9, Jan 71
Regional medical programs. Alabama. Packard JM. Postgrad Med 49:235-8, Feb 71
Bi-state regional program in southern Illinois and eastern Missouri. Stoneman W 3d. Postgrad Med 49:230-3, Mar 71
Tri-state RMP: a medical school-hospital bonanza? RI Med J 54:96-7, Feb 71
Regional medical programs in New England. RI Med J 54:377 passim, Jul 71
Cardiopulmonary resuscitation training. A plan for providing it in a large geographic region. Johnson J, et al. Rocky Mt Med J 68:11-5, Jan 71
Regional Medical Library--Regional Medical Program cooperation. Jyvaskyla EN, et al. SD J Med 24:37-40, Feb 71
The Mississippi Regional Medical Program Stroke Unit. Critique and follow-up of the first 200 patients admitted. Haerer AF, et al. South Med J 64:951-5, Aug 71
The Texas regional medical program Dial Access Project for cancer consultation. Hickey RC. Tex Med 67:78-82, Jun 71
The Virginia regionalmedical program. Perez ER. Va Med Mon 98:112 passim, Feb 71
The Virginia regional medical program. Perez ER. Va Med Mon 98:342, Jun 71
The Virginia Regional Medical Program. Cardiopulmonary resuscitation training. Perez ER. Va Med Mon 98:458, Aug 71
[Health program planning in Sweden: an example of regional planning] Vetere C. Ann Sanita Pubblica 31:427-38, Jul-Aug 70 (Ita)
[Health reform in Italy] Bellini G, et al. Farmaco [Prat] 26:312-25, Jun 71 (Ita)
[Health program planning and health education at the regional level] Mechelli G. Recent Progr Med (Roma) 49:21-3, Dec 70 (Ita)
[Oncologic services in a regional hospital] Berzin SA, et al. Vopr Onkol 16:64-6, 1970 (Rus)
[Work in the Department of Emergency and Planned-Consultative Medical Service of the Lvov Regional Clinical Hospital] Gorobchuk VG. Vrach Delo 152-3, Jan 71 (Rus)
[Experience with the organization of specialized medical services to the rural population of Kuzbass] Skiadchikova EN. Zdravookhr Ross Fed 15:18-21, Mar 71 (Rus)
[Programs of child welfare in Venezuela. (Outline)] Urdaneta E, et al. Minerva Pediatr 22:1205-8, 16 Jun 70 (Spa)
[Physician's education in Umeå 1962-70: Swedes from the south remain readily in Norrland. Outpatient care is attractive] Wistedt B. Lakartidningen 68:2830-4, 9 Jun 71 (Swe)

MANPOWER

Utilization of psychologists in positions of responsibility in public mental health programs: a national survey. Dörken H. Am Psychol 25:953-8, Oct 70
What roles are physical therapists assuming in regional medical programs? Keating N. Phys Ther 51:236-7, Feb 71

REGIONALIZATION see under HEALTH AND WELFARE PLANNING (I, N3)

REGITINE see PHENTOLAMINE (D5)

REGRESSION (F1, F2)

Hysterical psychosis: psychopathological aspects. Siomopoulos V. Br J Med Psychol 44:95-100, Jun 71
Regression from a biological standpoint. Power TD. Br J Psychiatry 118:571-7, May 71
Age regression with unexpected reappearance of a repressed childhood language. Fromm E. Int J Clin Exp Hypn 18:79-88, Apr 70
Hypnotic age regression evaluation against a criterion of prior performance. Solomon D, et al. Int J Clin Exp Hypn 19:243-59, Oct 71
Psychiatric classification and theories. Jaffe R. Isr Ann Psychiatry 7:145-57, Nov 69
Hypnotic age regression: an empirical and methodological analysis. O'Connell DN, et al. J Abnorm Psychol 76:2:1-32, Dec 70
Developmental changes in semantic interpretation of ambiguous words. Watt NF. J Abnorm Psychol 77:332-9, Jun 71
Reassociation of dreams. I. Repetitive analysis of the first dream to induce regression, resolve a negative transference, and assess improvement. A series of verbatim recordings. Abramson HA. J Asthma Res 8:115-50, Mar 71
Psychology of gerontology. 3. Factors of regression in aging. Postgrad Med 50:159 passim, Aug 71
[Preliminary experiment of late starting of pursuit reactions in the domestic chicken (Gallus domesticus)] Vidal JM. C R Acad Sci [D] (Paris) 272:626-8, 25 Jan 71 (Fre)
[Anxiety and regression in coronary care units] Bouvrain Y, et al. Presse Med 78:2083-5, 7 Nov 70 (Fre)
[Regression in the general hospital] Goldszal G. Rev Med Psychosom 11:493-512, Oct-Dec 69 (Fre)

REGURGITATION, AORTIC VALVE see AORTIC VALVE INSUFFICIENCY (C8)

REGURGITATION, GASTRIC (C4)

Gastroesophageal reflux. Indications for fundoplication. Ellis FH Jr. Surg Clin North Am 51:575-88, Jun 71
[Induced pyloric regurgitation] Aste H, et al. Rev Med Chil 98:423-6, Jul 70 (Spa)

CHEMICALLY INDUCED

"Silent" regurgitation and aspiration during general anesthesia. Blitt CD, et al. Anesth Analg (Cleve) 49:707-13, Sep-Oct 70

COMPLICATIONS

Postoperative reflux alkali gastritis and esophagitis. Mackman S, et al. Am J Surg 121:694-7, Jun 71
Pyloric regurgitation and gastric ulcer. Flint FJ, et al. Gut 11:735-7, Sep 70
Henry, a ruminator. Carrington M. Nurs Times 66:1462-3, 12 Nov 70
[Analysis of 39 cases of regurgitation-induced pneumopathy. Immediate and long-range prognosis] Du Cailar J, et al. Agressologie 11:507-14, 1970 (Fre)
[Toxic comas and generalized diffuse alveolitis] Huguenard P, et al. Poumon Coeur 26:981-7, 1970 (Fre)
[Incidence and severity of pneumopathy caused by inhalation of gastric fluid in poisoning] Lefebvre F, et al. Poumon Coeur 26:969-96, 1970 (Fre)
[Esophageal diverticulum associated with Barsony's syndrome] Markiewicz K, et al. Pol Tyg Lek 26:759-60, 17 May 71 (Pol)

DIAGNOSIS

Uses of esophageal manometry and acid perfusion in the study of gastroesophageal reflux and hiatal hernia. Garabedian M. Surg Clin North Am 51:589-96, Jun 71

ETIOLOGY

Management of recurrent hiatal hernia. Hill LD. Arch Surg 102:296-302, Apr 71
Hiatal hernia and "rumination" in infants and children. Herbst J, et al. J Pediatr 78:261-5, Feb 71

PREVENTION & CONTROL

Rapid induction-intubation for prevention of gastric-content aspiration. Stept WJ, et al. Anesth Analg (Cleve) 49:633-6, Jul-Aug 70
Inhibition of succinylcholine-induced increased intragastric pressure by nondepolarizing muscle relaxants and lidocaine. Miller RD, et al. Anesthesiology 34:185-8, Feb 71
Thiopentone-suxamethonium mixture. A method for reducing the aspiration hazard during induction of anaesthesia. Khawaja AA. Br J Anaesth 43:100-2, Jan 71
[Esophago-gastric anastomosis--a method designed to prevent esophageal regurgitation. Our method for surgery of cancer of the lower esophagus] Motoki R, et al. Shujutsu 25:799-804, Jul 71 (Jap)
[Prevention of gastric reflux following esophagoplasty] Vitebskiĭ IaD. Khirurgiia (Mosk) 47:20-3, Mar 71 (Rus)

RADIOGRAPHY

A technique for assessing pyloric reflux. Grech P. Gut 11:794-5, Sep 70
[Experimental radiocinematographic study of gastro-esophageal reflux in humans] Boutelier P, et al. Arch Fr Mal App Dig 57:909-16, Nov 68 (Fre)

SURGERY

[A procedure for preventing esophagogastric reflux] Hidalgo F, et al. Cir Cir 37:78-86, Jan-Feb 69 (Spa)

THERAPY

Management of gastro-esophageal reflux and its complications. Nicholson DM. NS Med Bull 49:153-6, Oct 70

VETERINARY

Parturient paresis (milk fever) of dairy cows. 5. Ruminal contents in the respiratory tract. Fenwick DC. Aust Vet J 45:450-3, Oct 69

REHABILITATION (E2, G2, N2)

see also related
DISABILITY EVALUATION (E1, N2)
HALFWAY HOUSES (N2)

Comprehensive rehabilitation. Russell H.
Am Correct Ther J 24:141-3, Sep-Oct 70
Corrective therapy. Stage TB.
Am Correct Ther J 25:4-6, Jan-Feb 71
Lawrence Mans--Achievement Award recipient. (Mans L), Am Correct Ther J 24:147-8, Sep-Oct 70
Architectural barriers: a medical problem. Shaw JA.
Am J Occup Ther 25:13-5, Jan 71
Psychological factors in the handicapped driver. Bardach JL. Arch Phys Med Rehabil 52:328-32, Jul 71
Physiatrist, know thyself. Bearzy HJ.
Arch Phys Med Rehabil 51:575-7, Oct 70
Learning rehabilitation medicine: a program by and for medical students. Cole TM, et al.
Arch Phys Med Rehabil 52:61-7, Feb 71
Group psychotherapy for selected patients with lower extremity amputations. Fischer WG, et al.
Arch Phys Med Rehabil 52:79, Feb 71
Correlation of psychologic variables and progress in physical rehabilitation. 3. Ego functions and defensive and adaptive mechanisms. Fogel ML, et al.
Arch Phys Med Rehabil 52:15-21, Jan 71
Humanism is not enough. Gersten JW.
Arch Phys Med Rehabil 51:565-74, Oct 70
The role of rehabilitation in the regional medical programs. Klieger PA.
Arch Phys Med Rehabil 52:47-51, Feb 71
Rehabilitation: Whose goals? Whose priorities? Kutner B. Arch Phys Med Rehabil 52:284-7, Jun 71
Health policies for the 70's. Walter J. Zeiter Lecture. Olson SW. Arch Phys Med Rehabil 51:625-30, Nov 70
Correlation of psychologic variables and progress in physical rehabilitation. IV. The relation of body image to success in physical rehabilitation. Rosillo RH, et al.
Arch Phys Med Rehabil 52:182-6, Apr 71
Participation in household activities as a prognostic factor for rehabilitation. Slater SB, et al.
Arch Phys Med Rehabil 51:605-10 passim, Oct 70
Observation and analysis of patient behavior in the rehabilitation hospital. Vineberg SE, et al.
Arch Phys Med Rehabil 52:8-14, Jan 71
Capuride for sleep in rehabilitation patients: a controlled trial. Weiss H.
Arch Phys Med Rehabil 52:68-72, Feb 71
Personal and professional responsibilities related to current social problems. Matthews J.
ASHA 13:331-3, Jun 71
The role of audiometry in the rehabilitation of the laryngectomized patient. Harrison RJ.
Br J Disord Commun 6:63-9, Apr 71
Human motors and their substitutes: some desperate needs. Basmajian JV.
Bull NY Acad Med 47:671-7, Jun 71
The development of a mobile rehabilitation clinic-on-wheels in an urban ghetto: the Rehabmobile. Cummings V, et al.
Bull NY Acad Med 47:697-709, Jun 71
Home and outpatient rehabilitation: a two-year comparative study. Kavanagh T.
Can Med Assoc J 105:65-9, 10 Jul 71
Management of the older laryngectomee. King PS, et al.
Geriatrics 26:112-8, Apr 71
The rehabilitation staffing conference in an extended care facility. Wing H, et al. Geriatrics 26:144-7, Mar 71
Organizing rehabilitation services for the elderly. Gottesman LE. Gerontologist 10:287-93, Winter 70
The need for community rehabilitation for legal offenders. Keve PW.
Hosp Community Psychiatry 22:4-5, Mar 71
A rehabilitation team on a State hospital unit. Simon CA. Hosp Community Psychiatry 21:376-7, Nov 70
Rehabilitating geriatric patients. Wolff K.
Hosp Community Psychiatry 22:8-11, Jan 71
Philosophy and practice. Gordon EE.
Hospitals 44:50-3, 16 Oct 70
Grading the rehabilitation effort. An objective evaluation method of rehabilitation efforts in the physically disabled. Kelly CR, et al.
J Kans Med Soc 72:154-6, Mar 71
Rehabilitation of a multi-handicapped institutionalized child. Temmer HW, et al.
J Med Soc NJ 67:689-93, Nov 70
Antecedent sexual factors delaying recovery in compensation cases. Brodsky CM.
J Occup Med 12:299-303, Aug 70
The prevention and management of disability in general practice. McMullan JJ.
J R Coll Gen Pract 17:80-90, Feb 69
Assessment of ability: challenge or handicap? McMullan JJ. J R Coll Gen Pract 21:65-76, Feb 71
Three value systems. Burk RD.
J Rehabil 37:27-9, Jan-Feb 71
The science of rehabilitation--does it exist? Burk RD.
J Rehabil 37:2, Mar-Apr 71
Toward a science of rehabilitation. Childers RL.
J Rehabil 36:21-4, Nov-Dec 70
Dimensions in coordinating rehabilitation services. DiMichael SG. J Rehabil 37:14-6, Jan-Feb 71
Coordinating research and practice. Dumas NS, et al.
J Rehabil 37:34-7, Jan-Feb 71
Behavioral systems analyzed. Fordyce WE, et al.
J Rehabil 37:29-33, Mar-Apr 71
Eligibility--a new approach. Hansen CE.
J Rehabil 36:32-4, Nov-Dec 70
Existentialism and counseling. MacGuffie RM, et al.
J Rehabil 37:46-8, May-Jun 71
Rehabilitation's involvement in preventive efforts. Mizerak J. J Rehabil 37:40-1, Jan-Feb 71
Key considerations in developing basic NRA policy on scientific rehabilitation research. Puth AD.
J Rehabil 36:9-15, Nov-Dec 70
Music therapy in rehabilitation. Schoenberger L, et al.
J Rehabil 37:30-1, Jan-Feb 71
Handicapped people and the administration. Whitten EB. J Rehabil 37:2, Jan-Feb 71
An alternative to duplication. Wright KC, et al.
J Rehabil 36:30-2, Nov-Dec 70
Hemodynamic responses of the transplanted human heart. Leachman RD, et al. Laval Med 41:577-82, Apr 70
The rehabilitation process. A challenge to nursing. Martin N. Occup Health Nurs (NY) 18:13-6, Nov 70
Rehabilitation of the patient with a postsurgical lower extremity amputation. Wolf SL, et al.
Phys Ther 50:1701-5, Dec 70
The significance of developmental information for the assessment and management of handicapped children. Reynell JK. Physiotherapy 57:163-8, Apr 71
Postgraduate education in physical medicine and rehabilitation in the community hospital. Knapp ME.
Postgrad Med 48:209-11, Aug 70
Some problems in rehabilitation of the severely disabled. Nichols PJ. Proc R Soc Med 64:349-53, Apr 71
Jesness inventory and self-concept measures for delinquents before and after participation in Outward Bound. Kelly FJ, et al. Psychol Rep 25:719-24, Dec 69
State rehabilitation administrators' views on psychological evaluation. Cull JG, et al.
Rehabil Lit 32:78-9, Mar 71
The issue of theory in rehabilitation. Hardy RE.
Rehabil Lit 32:168-70, Jun 71
Issues and orientations in the evaluation of rehabilitation programs. 1. A review article. Hefferin EA, et al. Rehabil Lit 32:66-74 passim, Mar 71 (43 ref.)
Issues and orientations in the evaluation of rehabilitation programs. 2. IV. Review of selected rehabilitation evaluation studies. Hefferin EA, et al.
Rehabil Lit 32:98-107 passim, Apr 71 (51 ref.)
Attitudes toward the poor that militate against effective upgrading. MacDonald AP Jr.
Rehabil Lit 32:2-5, Jan 71
Rehabilitation environment 1970. Redkey H.
Rehabil Lit 31:361-4, Dec 70
A capsule research review. Rusalem H.
Rehabil Lit 31:320, Nov 70
Exploring the widening circle. Recent developments in the rehabilitation of homebound persons. Rusalem H.
Rehabil Lit 32:194-207 passim, Jul 71 (62 ref.)
Materials for rehabilitation. Sankovsky R, et al.
Rehabil Lit 32:208-9, Jul 71
The rehabilitation of elderly patients. Agate J.
Rheumatol Phys Med 10:403-7, Nov 70
Social problems. Macindoe K.
Rheumatol Phys Med 10:435-7, Nov 70
Voluntary organizations. Millard JB.
Rheumatol Phys Med 10:446-8, Nov 70
Rehabilitation in orthopaedics. O'Connor BT, et al.
Rheumatol Phys Med 10:408-15, Nov 70
Rehabilitation in the services. 3. The Royal Air Force. Parry CB. Rheumatol Phys Med 10:431-4, Nov 70
Medical rehabilitation. Sommerville JG.
Rheumatol Phys Med 10:421-4, Nov 70
Rehabilitation. Rheumatol Phys Med 10:385-7, Nov 70
Careers in physical medicine and rehabilitation. Gillette HE. Woman Physician 26:192-4, Apr 71
[Problem of protein allowance in realimentation] Doberský P, et al.
Cesk Gastroenterol Vyz 25:16-8, Jan 71 (Cze)
[Therapeutic rehabilitation--a medical specialty] Balzar M. Cesk Zdrav 18:451-3, Oct 70 (Cze)
[Rehabilitation and health visiting] Norrelund N, et al.
Ugeskr Laeger 133:307-11, 19 Feb 71 (Dan)
[Study on half-time work] Prost MJ.
Arch Mal Prof 30:726-7, Dec 69 (Fre)
[The situation in France of the community antirheumatic campaign: achievements and gaps] Verhaeghe A, et al.
J Belge Rhumatol Med Phys 25:202-22, Sep-Oct 70 (Fre)
[Children of "students' parents". Problems of parents and reeducators. Their solutions] Parrel SG de.
J Fr Otorhinolaryngol 19:587-9, Sep 70 (Fre)
[Psychosocial readjustment of aged persons] Hugonot R, et al. Maroc Med 50:15-7, Jan 70 (Fre)
[Group lodging of aged persons] Hugonot R.
Maroc Med 50:69-78, Feb 70 (Fre)
[Organization, record and perspectives of a nursing home for aged persons] Monod M.
Maroc Med 50:79-85, Feb 70 (Fre)
[Functional rehabilitation following sickness or accidents] Cuny G, et al.
Praxis 60:853-7, 22 Jun 71 (Fre)
[Rehabilitation difficulties in the 3d age. (From the standpoint of cybernetics)] Meerloo JA.
Praxis 60:858-64, 22 Jun 71 (Fre)
[Phoniatric problems in odontostomatology] Saley AM.
Rev Laryngol Otol Rhinol (Bord) 92:193-5, Mar-Apr 71 (Fre)
[Conjugated rehabilitation and psychotherapy in child guidance (Hôpital Henri Rousselle)] Male P.
Rev Neuropsychiatr Infant 19:241-52, May 71 (Fre)
[Physical and psychological rehabilitation of handicapped youth. Report on the Youth Club for the Handicapped at Karl Marx Stadt] Decker B.
Beitr Orthop Traumatol 18:361-4, Jun 71 (Ger)
[Possibilities of physical exercise, physical education and sport in reference to orthopedic social welfare] Kegel B. Beitr Orthop Traumatol 17:511-6, 1970 (Ger)
[Report on the XI congress of the ISRD in Dublin, Ireland, from 14 to 19 September 1969] Presber W.
Beitr Orthop Traumatol 17:287-70, Apr 70 (Ger)
[Special schools within the orthopedics program in relation to legislation for the consolidated socialistic educational system] Schmiel H.
Beitr Orthop Traumatol 16:38-45, Jan 69 (Ger)
[Construction and reconstruction of health facilities with reference to rehabilitation principles] Schönfeld G. Beitr Orthop Traumatol 18:222-32, Apr 71 (Ger)
[Lack of information in rehabilitation] Degenhard B.
Dtsch Med J 22:127-31, Mar 71 (Ger)
[Rehabilitation in general practice] Häussler S.
Dtsch Med J 22:143-4 passim, Mar 71 (Ger)
[The integration of rehabilitation in clinics and hospitals] Jochheim KA.
Dtsch Med J 22:131-3, Mar 71 (Ger)
[Rehabilitation as a medical task] Scholz JF.
Dtsch Med J 22:127, Mar 71 (Ger)
[Rehabilitation. Introduction] Budelmann G.
Internist (Berlin) 12:225, Jun 71 (Ger)
[Social rehabilitation of the handicapped] Flach K.
Med Welt 44:1885-90, 31 Oct 70 (Ger)
[Rehabilitation and realism] Arnold H.
Oeff Gesundheitswes 33:253-9, May 71 (Ger)
[Integrated group work between handicapped and non-handicapped. A principle of nonacademic rehabilitation] Kluge KJ.
Prax Kinderpsychol Kinderpsychiatr 19:135-45, May-Jun 70 (Ger)
[Multiple disability in children and youth as a problem in medical rehabilitation] Paul HA.
Prax Kinderpsychol Kinderpsychiatr 19:199-206, Aug-Sep 70 (Ger)
[Rehabilitation in geriatrics and calisthenics for the elderly] Steinmann B.
Praxis 60:848-52, 22 Jun 71 (Ger)
[Ergotherapy in the service of rehabilitation (based on self-help and housekeeping training)] Brun H, et al.
Ther Umsch 28:60-8, Feb 71 (Ger)
[Physiotherapy in the service of rehabilitation] Klein-Vogelbach S. Ther Umsch 28:69-73, Feb 71 (Ger)
[Rehabilitation measures in geriatrics] Steinmann B.
Ther Umsch 28:94-9, Feb 71 (Ger)
[Rehabilitation in internal medicine] Lachnit V.
Wien Med Wochenschr 121:369-74, 1 May 71 (Ger)
[Social-medical rehabilitation from the viewpoint of comparative statistic of health and pension insurance] Rautenberg E.
Z Allgemeinmed 47:1019-26, 20 Jul 71 (Ger)
[How can we help laryngectomized patients in their rehabilitation?] Matzker J, et al.
Z Laryngol Rhinol Otol 50:340-52, May 71 (Ger)
[Mental health effects of resocialization measures in conviction of adolescents] Grossmann HP.
Z Psychother Med Psychol 21:108-14, May 71 (Ger)
[Contribution of crenology to the recovery and rehabilitation of the aged] De Nicola P.
Clin Ter 47:225-32, 31 Dec 68 (Ita)
[Rehabilitation of the handicapped in the thermal environment. Agents and apparatus used, methods, synergisms] Farneti P.
Clin Ter 47:174-9, 31 Dec 68 (Ita)
[Mud in rehabilitation of the handicapped] Monticelli G. Clin Ter 47:210-7, 31 Dec 68 (Ita)
[Results of rehabilitation therapy of handicapped assisted by the Commune of Florence] Caracristi R, et al. G Gerontol 18:898-902, Sep 70 (Ita)
[Methodological problems in health education] Modolo MA. Lotta Tuberc 40:48-57, Jan-Mar 70 (Ita)
[Symposium: present status of rehabilitation at National Hospitals and Sanatorium and administration policies] Sunahara S, et al.
Iryo 24:Suppl:525-8, 1970 (Jap)
[Rehabilitation--selection of the patients and classification of the therapy] Sasaki S.
Naika 26:804-7, Nov 70 (Jap)
[Changes in the care of physically handicapped children, with special reference to the problems in the facilities and schools for the handicapped children] Fukase H.
Orthop Surg (Tokyo) 22:150-5, Feb 71 (Jap)
[Methodological aspects of the problem of determining the basic concepts of medicine] Akhmedzhanov MIu, et al. Vestn Akad Med Nauk SSSR 26:45-56, 1971 (Rus)
[Use of art in medicine. (Review)] Zhiliaeva EP.
Zdravookhr Ross Fed 15:23-8, Jun 71 (Rus)
[Public health problems posed by rehabilitation in Spain] Rico-Avello Rico C.
Rev Sanid Hig Publica (Madr) 45:189-204, Feb 71 (Spa)
[Better co-operation between the surgeon and the medical gymnast?] Adolfsson G.
Lakartidningen 68:1198-200, 10 Mar 71 (Swe)
[Integration--internment: is there a free choice for the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

handicapped youth?] Hellström A, et al.
Lakartidningen 68:1070-2, 3 Mar 71 (Swe)

EDUCATION

Medical student training in rehabilitation and career choice selection. Chyatte SB, et al.
Arch Phys Med Rehabil 52:306-10, Jul 71
The training of therapists engaged in the child health and rehabilitation services. Holt KS.
Dev Med Child Neurol 12:680-1, Oct 70
The rehabilitation counselor. Training and employment. Hansen CE.
J Rehabil 37:39-42, May-Jun 71
Counselor preparation for serving culturally deprived persons. Johnson VM. J Rehabil 36:19-21, Nov-Dec 70
[Teaching of rehabilitation in future Europe] Houssa P.
Internist (Berlin) 12:226-8, Jun 71 (Ger)
[Problems of teaching and continuing education in the rehabilitation field in the Federal Republic of Germany] Jochheim KA.
Internist (Berlin) 12:228-9, Jun 71 (Ger)

HISTORY

Rehabilitation medicine: definition and origin. Twentieth John Stanley Coulter Memorial Lecture. (Coulter JS), (Frenkel HS), (Raymond F), (Kouindjy PS), (Andre de Bois-Regard, (Tissot JC), (Delpech JM), Licht S. Arch Phys Med Rehabil 51:619-24, Nov 70
Rehabilitation in the services. I. The Royal Navy. Ward FG. Rheumatol Phys Med 10:425-8, Nov 70
Rehabilitation in the services. II. The army. Whittaker VB. Rheumatol Phys Med 10:428-30, Nov 70
[The historic development of the Permanent Committee of Rehabilitation Experts of the Socialist Countries] Renker K.
Z Gesamte Hyg 17:117-21, Feb 71 (Ger)

INSTRUMENTATION

Two-way mirror for monitoring visual-motor match. Madden MV, et al. Am J Occup Ther 25:172, Apr 71
A new rehabilitation step unit. Scott BO.
Rheumatol Phys Med 11:87, May 71
Stereophotogrammetry applied to physical medicine and rehabilitation. Peterson CR, et al.
South Med J 64:281-4, Mar 71

STANDARDS

The rehabilitation index. Robinson HM Jr, et al.
Arch Dermatol 103:174-9, Feb 71
[Functional prognosis for those on prolonged sick-leave] Pejme J.
Lakartidningen 67:4640-3, 7 Oct 70 (Swe)

REHABILITATION CENTERS (N2)

The ACCA. Mollerstrom BW. Alaska Med 13:75-6, Jul 71
Site visits to six active alcoholism programs in the New York City Area. Sutton JY.
Ann NY Acad Sci 178:101-8, 29 Mar 71
Nutrition rehabilitation centers. A growing child-care activity in developing countries. Ebrahim GJ.
Clin Pediatr (Phila) 10:303-5, Jun 71
Organizational goals and patterns of informal organization. Spreitzer EA.
J Health Soc Behav 12:73-80, Mar 71
Continuity of services. Whitten EB.
J Rehabil 37:21-5, May-Jun 71
Trauma workshop report: long-range management and rehabilitation. Chase RA, et al.
J Trauma 10:1055-7, Nov 70
Inpatient alcoholic rehabilitation care. Lister LM.
Md State Med J 20:33-5, May 71
Rehabilitation facility is hospital extension. Downey GW. Mod Hosp 116:113, Apr 71
Innovative technics developed by rehabilitation center. Downey GW. Med Hosp 116:110-3, Apr 71
Kushlick: a Wizard at Wessex. Evagorou D.
Nurs Times 66:1530-2, 26 Nov 70
Showing you care. Pownall M.
Nurs Times 66:1529, 26 Nov 70
Physiotherapy in Jordan: The Jordan Rehabilitation Centre, Amman. (Cheshire Home Foundation).
Futyan E. Physiotherapy 57:71-3, Feb 71
A combined training institute at the new University Hospital of Wales. Lloyd KN.
Physiotherapy 57:73-5, Feb 71
A spinal cord injury service. Harris P.
Proc Annu Clin Spinal Cord Inj Conf 16:50-3, 1967
Function and organization of the first Swiss university paraplegic centre. Rossier AB.
Proc Annu Clin Spinal Cord Inj Conf 15:121-7, 7 Nov 66
Some factors influencing the duration of morbidity in industry. The employer's point of view. McGregor JD.
Proc R Soc Med 63:1156-7, Nov 70
Rehabilitation of registered dock workers at Garston Manor. Mattingly S. Proc R Soc Med 64:757-60, Jul 71
The impact of the rehabilitation services on sickness absenteeism. Sommerville JG.
Proc R Soc Med 63:1146-9, Nov 70
School and vocational facilities for handicapped children. Finkelberg H, et al.
South Med J 64:370-3, Mar 71
[The polity of national funds in the social reclassification of the handicapped with reference to the functional recovery of the hearing and speech handicapped] Maron A.
Acta Otorhinolaryngol Belg 23:451-5, 1969 (Fre)
[Education and rehabilitation of the hearing handicapped child] Perier O.
Acta Otorhinolaryngol Belg 23:585-94, 1969 (Fre)
[Organization of a cardiology work center] Demaret B.
Brux Med 51:93-8, Feb 71 (Fre)
[Functional rehabilitation of aged persons: results of a specialized center] Cuny J, et al.
Maroc Med 50:86-94, Feb 70 (Fre)
[Idea of a school of special education for slight and moderate mental defectives (architectural and educational framework)] Misson J, et al.
Rev Neuropsychiatr Infant 18:687-711, Sep 70 (Fre)
[Physician's tasks in a profession-advancing enterprise for handicapped] Jenning A.
Dtsch Med J 22:147-50, Mar 71 (Ger)
[Experiences with a rehabilitation ambulance] Gaettens-Küthmann E.
Ther Ggw 110:838-40 passim, Jun 71 (Ger)
[Results of rehabilitation therapy of handicapped assisted by the Commune of Florence] Caracristi R, et al. G Gerontol 18:898-902, Sep 70 (Ita)
[The structure of the institutions for spastic children in the region of Tuscany] Milani Comparetti A, et al.
Riv Clin Pediatr 81:1045-50, Nov-Dec 68 (Ita)
[The Central Institute for Cerebral Palsy] Bostad R.
Nord Med 85:33-4, 7 Jan 71 (Nor)
[Epilepsy and sanatorium treatment] Chmielewski H.
Wiad Lek 24:379-82, 15 Feb 71 (Pol)
[Organization of aid to those with handicaps of neurological origin in France] Julián-Ramo S.
Rev Sanid Hig Publica (Madr) 44:329-51, Mar 70 (Spa)
[The juvenile work center. Preliminary report] Calderón Narváez G.
Salud Publica Mex 12:361-4, May-Jun 70 (Spa)
[Pediatric neurology. 6. Motor handicaps--rehabilitation at a regional level] Bille B.
Lakartidningen 68:2823-6, 9 Jun 71 (Swe)
[Motor handicapped children--child neurologic rehabilitation on a regional level] Bille B.
Nord Med 85:442-3, 8 Apr 71 (Swe)

STANDARDS

Nutritional rehabilitation centers in Latin America: a critical assessment. Beghin ID.
Am J Clin Nutr 23:1412-7, Nov 70

UTILIZATION

Home and outpatient rehabilitation: a two-year comparative study. Kavanagh T.
Can Med Assoc J 105:85-9, 10 Jul 71

REHABILITATION, VOCATIONAL (E2, N2)

see also related
EMPLOYMENT (N1)
SHELTERED WORKSHOPS (N2)

Non-white deaf persons: educational, psychological, and occupational considerations. A review of the literature. Bowe FG Jr.
Am Ann Deaf 116:357-61, Jun 71 (26 ref.)
A case of disinterest: the deaf in Puerto Rico. McCahill P. Am Ann Deaf 116:413-4, Aug 71
Prognosis for children with multiple handicaps. Merrill RE. Am J Dis Child 121:207-12, Mar 71
Implementing rehabilitation recommendations for the mentally retarded. Brolin D, et al.
Am J Ment Defic 75:586-92, Mar 71
Impact of automation and technological change on employability of the mentallyretarded. Nixon RA.
Am J Ment Defic 75:153-5, Sep 70
Vocational rehabilitation of the partially sighted. Brazelton FA, et al. Am J Optom 47:612-8, Aug 70
Rehabilitation: a major objective of the social security disability program. Lunsford FL.
Arch Phys Med Rehabil 52:385-6, Aug 71
The competitive world of work. Campbell I.
Can J Occup Ther 38:63-70, Summer 71
Work assessment. Perrault D.
Can J Occup Ther 38:89-91, Summer 71
Return to work after treatment of rheumatoid arthritis. Robinson HS, et al.
Can Med Assoc J 105:166-9, 24 Jul 71
Return to work after myocardial infarction. Wigle RD, et al. Can Med Assoc J 104:210-2, 6 Feb 71
Vocational rehabilitation--the culmination of physical reconditioning. Matzen RN.
Chest 60:Suppl:21S-24S, Aug 71
The psychotherapy of work. Singer PR, et al.
Compr Psychiatry 12:165-9, Mar 71
Fifteen years of work therapy: its impact on a mental hospital and its community. Brooks GW, et al.
Dis Nerv Syst 31:Suppl:161-5, Nov 70
Prevocational services for young adult psychiatric patients. Diasio KB, et al.
Hosp Community Psychiatry 21:217-20, Jul 70
Port of Olmsted County, Minnesota: community rehabilitation for legal offenders. Tyce FA.
Hosp Community Psychiatry 22:74-8, Mar 71
Psychiatric rejects from military service and their employability in civilian life. Stevens A.
Ind Med Surg 39:522-8, Dec 70
Predicting vocational outcome of psychiatric patients with the Edwards Personal Preference Schedule. Distefano MK Jr, et al. J Appl Psychol 54:552-4, Dec 70
The role of the medical department of Hot Springs Rehabilitation Center. Hassard GH.
J Arkansas Med Soc 67:403-9, Apr 71
Styles of adaptation and hospital outcome among chronic older mental patients. Bok M.
J Gerontol 26:52-7, Jan 71
Department of Health and Welfare Division of Eye Care and Special Services. An evaluation of the Armed Forces Rejectee Program.
J Maine Med Assoc 61:192-6, Sep 70
Correlation between the immediate test and the Wechsler Adult Intelligence Scale verba scale in the rehabilitation setting. Cull JG, et al.
J Psychol 77:203-5, Mar 71
Counseling in work adjustment programs. Ayers GE.
J Rehabil 37:31-3, Jul-Aug 71
A situational approach. Campbell JL, et al.
J Rehabil 37:11-3, Jul-Aug 71
Work and behavior change. Dunn DJ.
J Rehabil 37:22-5, Jul-Aug 71
Work evaluation and adjustment: the relationship. Hoffman PR. J Rehabil 37:19-22, Jul-Aug 71
The RST: a service delivery system. Hutchison J.
J Rehabil 37:34-6, Mar-Apr 71
Critical vocational behaviors. Krantz G.
J Rehabil 37:14-6, Jul-Aug 71
VR viewed by an industrial engineer. Oswalt JH, et al.
J Rehabil 37:17-9, Mar-Apr 71
Preventive vocational rehabilitation. Punke HH.
J Rehabil 37:50-2, May-Jun 71
Gainful employment: a psychiatric prescription. Risch F. J Rehabil 37:22-5, Mar-Apr 71
In pursuit of work adjustment. Ross DR, et al.
J Rehabil 37:6-8, Jul-Aug 71
Can media improve rehabilitation services? Sankovsky R, et al. J Rehabil 37:8-9, Mar-Apr 71
Adjustment services in rehabilitation. Sankovsky R.
J Rehabil 37:8-10, Jul-Aug 71
A casework philosophy. Smith F.
J Rehabil 37:49-50, May-Jun 71
Vocational rehabilitation and the black counselor: the conventional training situation and the battleground across town. Townsend OH.
J Rehabil 36:16-8, Nov-Dec 70
Rehabilitation and the black community. Williams JA Jr, et al. J Rehabil 37:43-6, May-Jun 71
Local-authority day centre for the mentally ill. Richards H. Lancet 1:793-5, 17 Apr 71
The future of industrial therapy. Wansbrough SN.
Lancet 1:1009-10, 15 May 71
Rehabilitation of indigent arthritis patients in the District of Columbia. Booth G, et al.
Med Ann DC 40:304-8, May 71
How you can help a retarded patient get a job. Goldstein H. Med Times 99:123-5 passim, Aug 71
Moving the hard to move. Coogan D, et al.
Ment Hyg 54:520-4, Oct 70
We need sheltered workshops for former metal patients. Cristol AH. Ment Hyg 54:444-6, Jul 70
Relationship therapy in vocational rehabilitation. Durie M, et al. Ment Hyg 55:242-5, Apr 71
The vocational rehabilitation of ex-psychiatric patients. Olshansky S. Ment Hyg 52:556-61, Oct 68
Program profiles: a program for transition to independence. Ames TR. Ment Retard 8:49-51, Apr 70
Systems technology and retardation: applications to vocational habilitation. Budde JF, et al.
Ment Retard 1:11-6, Apr 71
The use of multiple reinforcers in a rehabilitation setting. Logan DL, et al. Ment Retard 9:3-6, Jun 71
Study of adaptive behavior: its rationale, method and implication inrehabilitation programs. Nihira K, et al.
Ment Retard 8:11-6, Oct 70
Study of adaptive behavior: its rationale, method and implication in rehabilitation programs. Nihira K, et al.
Ment Retard 8:11-6, Oct 70
Employment satisfaction of previously institutionalized mentally subnormal workers. Elwyn Institute. Rosen M, et al.
Ment Retard Abstr 8:35-40, Jun 70
Vocational adjustment of young retarded adults. Tobias J. Ment Retard Abstr 8:13-6, Jun 70
Why mentally subnormal patients fail in outside employment. Robinson JR.
Nurs Times 67:953-4, 5 Aug 71
Perception of disability by welfare and rehabilitation clients. Walls RT, et al.
Percept Mot Skills 31:793-4, Dec 70
Some factors influencing the duration of morbidity in industry. The employer's point of view. McGregor JD.
Proc R Soc Med 63:1156-7, Nov 70
The industrial rehabilitation of long-stay psychiatric

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

patients in hospital. Morgan R.
Proc R Soc Med 63:1332-5, Dec 70
Factors affecting the patients' response to industrial therapy. Wansbrough SN.
Proc R Soc Med 63:1335-6, Dec 70
Unemployment among chronic psychotic patients in Camberwell: their need for rehabilitation. Wing JK.
Proc R Soc Med 63:1329-32, Dec 70
Vocational rehabilitants' personality and work adjustment: a test of Holland's theory of vocational choice. Bates GL, et al. Psychol Rep 26:511-6, Apr 70
A treatment program for Navaho alcoholics: results after four years. Ferguson FN.
Q J Stud Alcohol 31:898-919, Dec 70
Vocational satisfaction among alcoholics. Hardy RE, et al. Q J Stud Alcohol 32:180-2, Mar 71
The future development of vocational adjustment programs and workshops. Geilman W.
Rehabil Lit 32:108-12, Apr 71
Extended rehabilitation services for the mentally and physically handicapped. Jackson JL.
Rehabil Lit 32:43-4, Feb 71
Vocational evaluation theory in perspective. Nadolsky JM. Rehabil Lit 32:226-31, Aug 71
Some comments on workshop utilization. Olshansky S.
Rehabil Lit 32:75-7, Mar 71
A discrete discriminant analysis procedure for vocational rehabilitation predictions. Toms JG, et al.
Rehabil Lit 32:232-8, Aug 71
Statewide planning--some significant accomplishments. Bean WJ.
Rehabil Rec 12:1-2, Jan-Feb 71
Public assistance and vocational rehabilitation. Briefs in public assistance activities. Bourgea R.
Rehabil Rec 12:25-8, May-Jun 71
Who are the recipients of public assistance? Burnside B. Rehabil Rec 12:20-4, May-Jun 71
The joint state public assistance, vocational rehabilitation cooperative programs. Cooperative programs in Region 3. Crunk W.
Rehabil Rec 12:6, May-Jun 71
A chronic hemodialysis program in Massachusetts. Evans H, et al. Rehabil Rec 12:32-5, May-Jun 71
Communication as a prime handicap. Griffith FA.
Rehabil Rec 12:36-9, Jan-Feb 71
Public assistance and vocational rehabilitation. Cooperation: the factor that makes the difference. Jackson D. Rehabil Rec 12:14-7, May-Jun 71
Discovering work profiles through planned visits to industrial plants. Mack E, et al.
Rehabil Rec 12:38-9, May-Jun 71
Florida's statewide program for the deaf. Mills C, et al.
Rehabil Rec 12:16-9, Mar-Apr 71
Vocational evaluation and work adjustment--a future thrust of the rehabilitation movement. Newman E.
Rehabil Rec 12:13-5, Jan-Feb 71
The joint state public assistance, vocational rehabilitation cooperative programs. Newman E. Rehabil Rec 12:3-5 passim, May-Jun 71
Atlanta Employment Evaluation and Service center. Nolan NB. Rehabil Rec 12:16-9, Jan-Feb 71
A case for joint staff reeducation, development, commitment, communication, and cooperation. Reed AF, et al. Rehabil Rec 12:7-11, May-Jun 71
The joint state public assistance, vocational rehabilitation cooperative programs. Expansion grants in historic perspective. Sachs F, et al.
Rehabil Rec 12:11-3, May-Jun 71
Readin' plus rithmetic equal new image. Slater NM, et al. Rehabil Rec 12:26-9, Mar-Apr 71
New careers in vocational rehabilitation. Taylor JE.
Rehabil Rec 12:24-6, Jan-Feb 71
Rehabilitating disabled public assistance recipients. Twiname J. Rehabil Rec 12:1-2, May-Jun 71
The expanding role of the rehabilitation counselor in returning the cardiac to work. Zohman LR.
Rehabil Rec 12:1-5, Mar-Apr 71
Hospital work stations for MR's.
Rehabil Rec 12:20-1, Mar-Apr 71
Michigan's statewide planning. One year later.
Rehabil Rec 12:3-6, Jan-Feb 71
Results in California. Rehabil Rec 12:2-3, Jan-Feb 71
P.A. clients rehabilitated: a profile.
Rehabil Rec 12:18-9 passim, May-Jun 71
The employer and the disabled. Gilbertson G.
Rheumatol Phys Med 10:443-5, Nov 70
Industrial rehabilitation. Mattingly S.
Rheumatol Phys Med 10:438-42, Nov 70
School and vocational facilities for handicapped children. Finkelberg H, et al.
South Med J 64:370-3, Mar 71
Effectiveness of counselor-trainees with mentally retarded sheltered workshop clients. Bozarth JD, et al. Train Sch Bull (Vinel) 67:119-22, Aug 70
Increasing individual and assembly line production rates of retarded students. Brown L, et al.
Train Sch Bull (Vinel) 67:206-13, Feb 71
A review of the development of work-study programs for the mentally retarded. Cegelka WJ.
Train Sch Bull (Vinel) 67:87-118, Aug 70
A pre-vocational program for institutionalized mental retardates. Etienne J, et al.
Train Sch Bull (Vinel) 67:228-34, Feb 71
[Experimental approach to the personality and occupational rehabilitation of the coronary patient] Bonami M, et al.
Acta Psychiatr Belg 70:579-90, Sep 70 (Fre)
[Effect of vocational rehabilitation upon the physical capabilities of pulmonary and jobless handicapped persons] Deroanne R, et al.
Acta Tuberc Pneumol Belg 60:68-78, Jan-Feb 69 (Fre)
[Groundrules for rehabilitation. Present stage of Belgian legislation] Dierckx R.
Acta Tuberc Pneumol Belg 60:99-102, Jan-Feb 69 (Fre)
[Unemployment among miners. Problems arising out of reassignment and vocational rehabilitation] Groetenbriel, et al.
Acta Tuberc Pneumol Belg 60:79-98, Jan-Feb 69 (Fre)
[Apropos of a successful change of job] Borie J, et al.
Arch Mal Prof 32:319-21, Mar 71 (Fre)
[Permanent work incapacity and need to change employment] L'Epée P, et al.
Bord Med 3:3003-4 passim, Dec 70 (Fre)
[Social and intellectual advancement of blind and amblyopic persons] Jayle MF.
Bull Mem Soc Fr Ophtalmol 81:125-36, 1968 (Fre)
[Clinical data, electroencephalographic study and socioeconomic future of 1,925 head injury patients] Muller GE.
Bull Soc Sci Med Grand Duche Luxemb 107:7-39, Mar 70 (Fre)
[Energy requirements in the pulmonary handicapped returned to work] Salmon A, et al.
J Belge Rhumatol Med Phys 23:71-82, Mar-Apr 68 (Fre)
[Problems of reclassification in industrial medicine] Bennani M. Maroc Med 538:538-40, Aug-Sep 70 (Fre)
[Surveillance code for the evaluation of social and professional readaptation of patients treated by repeated hemodialysis] Giromini M.
Praxis 59:1749-52, 15 Dec 70 (Fre)
[Rehabilitation of cardiac patients in factories] Lefebvre L. Rev Med Liege 26:102-7, 1 Feb 71 (Fre)
[What we do at the Institut Medico-Professionnel de Gerland] Dubost M.
Rev Neuropsychiatr Infant 17:617-20, Sep-Oct 69 (Fre)
[A brief note on factors of social and occupational adaptation of mentally retarded adolescents] Meriet-Vigier L.
Rev Neuropsychiatr Infant 17:621-4, Sep-Oct 69 (Fre)
[Importance of external factors for the vocational rehabilitation of paraplegics] Presber W.
Beitr Orthop Traumatol 17:386-95, 1970 (Ger)
[Epilepsy. Rehabilitation for pensioning. (Vocational classification for patients suffering from convulsive fits)] Kronenberg R.
Dtsch Gesundheitsw 26:1416-20, 22 Jul 71 (Ger)
[Catamnestic studies on the vocational rehabilitation of 1000 diabetics] Panzram G, et al.
Dtsch Gesundheitsw 25:1161-5, 24 Jun 70 (Ger)
[Catamnestic studies on the vocational rehabilitation of 1000 diabetics] Panzram G, et al.
Dtsch Gesundheitsw 25:1161-5, 24 Jun 70 (Ger)
[Rehabilitation and assessment of residual efficiency in accidental injuries] Dietrich KF.
Hefte Unfallheilkd 102:269-73, 1970 (Ger)
[Sports or physical training as a component of preventive and rehabilitative medicine] Hollmann W.
Lebensversicherungsmedizin 23:7-11, Jan 71 (Ger)
[Tasks of a free practicing specialist in the rehabilitation of persons injured in accidents] Götze J. Med Welt 5:167-8, 30 Jan 71 (Ger)
[Rehabilitation in the home--an urgent task] Oelze F.
Munch Med Wochenschr 110:2365-8, 11 Oct 68 (Ger)
[Experience digesting disorders and vocational rehabilitation] Hoefer G.
Nervenarzt 42:413-9, Aug 71 (Ger)
[Industrial work training as a rehabilitation measure. Report of results of more than 5 years work by psychiatric patients in factories] Salm H.
Nervenarzt 42:359-65, Jul 71 (Ger)
[The therapeutic-teaching juvenile home Sommerberg. Experiences with a sociotherapeutic experiment] Klüwer K.
Prax Kinderpsychol Kinderpsychiatr 19:223-7, Aug-Sep 70 (Ger)
[Professional and social rehabilitation of institutionalized retarded adolescents and adults] Stöckmann F.
Prax Kinderpsychol Kinderpsychiatr 19:287-92, Nov-Dec 70 (Ger)
[Postoperative care and rehabilitation following heart surgery] Rothlin M. Praxis 59:285-90, 24 Feb 70 (Ger)
[Speech therapy in the service of rehabilitation] Delavier C. Ther Umsch 28:74-9, Feb 71 (Ger)
[Rehabilitation from the point of view of invalid-insurance physician] Zaslawski M.
Ther Umsch 28:110-4, Feb 71 (Ger)
[Vocational change, disability and professional incapacity due to ankylosing spondylitis] Schwenk G.
Verh Dtsch Ges Rheumatol 1:219-22, 1969 (Ger)
[Early infantile brain damage--clinical manifestations and vocational rehabilitation] Huffmann G.
Z Allgemeinmed 47:835-41, 10 Jun 71 (Ger)
[Our vocational rehabilitaton workers] Warmke G.
Z Allgemeinmed 47:1033-6, 20 Jul 71 (Ger)
[Principles of occupational therapy in GDR] Arendt, et al. Z Gesamte Hyg 17:446-9, Jun 71 (Ger)
[Analysis of the reasons for professional failure in the rehabilitation of oligophrenic graduates of a clinical boarding school] Görner W.
Z Gesamte Hyg 16:709-13, Sep 70 (Ger)
[Rehabilitation of adults in the district of Altenburg. Extent and results of the procurement of suitable jobs] Nerlich H. Z Gesamte Hyg 16:703-9, Sep 70 (Ger)
[Possibilities and impossibilities of vocational rehabilitation in chemical industry] Thiess AM.
Zentralbl Arbeitsmed 21:137-44, May 71 (Ger)
[Prophylactic aspects of rehabilitation among miners suffering from locomotor system disorders] Gurin J.
Chir Narzadow Ruchu Ortop Pol 35:535-7, 1970 (Pol)
[Placement and disease incidence with temporary work disability in tuberculosis patients in the metallurgical industry] Golovin IA, et al.
Probl Tuberk 48:4-8, 1970 (Rus)
[Occupational rehabilitation of the elderly and aged] Khvilivitskaia MI, et al. Sov Med 33:65-8, Jul 70 (Rus)
[Occupational placement of invalids] Dyskin AA, et al.
Zdravookhr Ross Fed 14:3-6, Sep 70 (Rus)
[Experience with the differentiated rehabilitation of mental patients] Krasik ED, et al.
Zh Nevropatol Psikhiatr 70:1707-12, 1970 (Rus)
[Organization of aid to those with handicaps of neurological origin in France] Julián-Ramo S.
Rev Sanid Hig Publica (Madr) 44:329-51, Mar 70 (Spa)
[Working capacity after medical rehabilitation towards return to employment] Fillström CE.
Lakartidningen 68:221-4, Jan 71 (Swe)
[Social readaptation of a patient after disabilitative electric burn of hands] Mattsson HS, et al.
Nord Med 84:1381, 22 Oct 70 (Swe)

EDUCATION

Workshop environment staff training. Schleffer L, et al. Rehabil Rec 12:36-7, May-Jun 71

MANPOWER

The facility specialist's role. Hardy RE, et al.
J Rehabil 37:32-3, May-Jun 71

STANDARDS

The accountability game. Walker RA.
J Rehabil 37:34-6, Jul-Aug 71

SUPPLY & DISTRIBUTION

A case of disinterest: the deaf in Puerto Rico. McCahill P. Am Ann Deaf 116:413-4, Aug 71

REIMPLANTATION (E4)

Reimplantation of an avulsed ring finger using a sensory cross-finger flap. Alonso-Artieda M.
Br J Plast Surg 24:293-5, Jul 71
Functional evaluation of immediately replanted and 24 hour preserved and replanted lungs after longer than one year. Karlson KE, et al.
Bull Soc Int Chir 29:175-81, May-Jun 70
Replacement of aortic valve and ascending aorta with reimplantation of the coronary arteries in a patient with Marfan's syndrome. Neligan MC, et al.
J Ir Med Assoc 64:354-6, 8 Jul 71
One-stage replantation of both lungs in the dog. Alican F, et al. JAMA 215:101-6, 22 Feb 71
One-stage replantation of both lungs in the dog. Alican F, et al. JAMA 215:1301-6, 22 Feb 71
Arm mends, Marcia recovering. Shelton CR.
Mich Med 70:710-2, Aug 71
Growth and development in replanted forelimbs. Furnas DW. Plast Reconstr Surg 48:445-53, Nov 70
The pocket principle: a new technique for the reattachment of a severed ear part. Mladick RA, et al.
Plast Reconstr Surg 48:219-23, Sep 71
Implantation of papilla of vater and pancreatic duct into the stump of the resected stomach. Nielubowicz J, et al. Pol Med J 9:1189-93, 1970
Autotransplantation of the lung: experimental studies on the cape baboon. Lubbe JJ de, et al.
S Afr Med J 45:280-4, 13 Mar 71
Replantation of extremities. Engber WD, et al.
Surg Gynecol Obstet 132:901-16, May 71 (91 ref.)
The present status of replantation of amputated extremities. Indications and technical considerations. Balas P, et al. Vasc Surg 4:190-209, Sep 70
[Repositioning of the ascending ramus of the mandible after resection-excision of a neurofibroma of the pterygo-maxillary region] Cernea P, et al.
Ann Chir Plast 15:293-7, 1970 (Fre)
[Animal experiments in reimplantation of complete tracheal segments] Kornmesser HJ.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:354-6, 1970 (Ger)
[Replantation of traumatic amputated extremities] Clevert D, et al. Chirurg 41:454-8, Oct 70 (Ger)
[Regeneration of the cerebral cortex following reimplantation of a slice of cortex in the rat (Rattus norvegicus B)] Frotscher M, et al.
J Hirnforsch 12:123-33, 1970 (Ger)
[Regional perfusion as a method for the determination

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of viability of extremities before reimplantation] Kowanov WW, et al.
Langenbecks Arch Chir 322:1141-4, 1968 (Ger)
[Successful late treatment of a separated nose tip] Moritsch E.
Munch Med Wochenschr 112:1916-7, 16 Oct 70 (Ger)
[Function studies in replanted dog's stomach] Hegglin J, et al.
Schweiz Med Wochenschr 101:747-9, 22 May 71 (Ger)
[Studies on the functional and morphological changes after unilateral and bilateral lung reimplantation with special reference to the neural regulation of respiration without the Hering-Breuer reflex] Nasseri M, et al.
Thoraxchirurgie 17:512-7, Dec 69 (Ger)
[Autotransplantation of a lung and a lung lobe in experiment] Pereiman MI, et al.
Z Erkr Atmungsorgane 132:203-10, 1970 (Ger)
[Reimplantation of a nearly severed upper limb] Romanoff H, et al. Harefuah 78:220-3, 1 Mar 70 (Heb)
[Restoration of the innervation of reimplanted dog extremities] Timofeeva ON, et al.
Biull Eksp Biol Med 69:104-7, Apr 70 (Rus)
[Technic of experimental orthotopic reimplantation of the stomach] Feofilov GL, et al.
Eksp Khir Anesteziol 15:39-42, Sep-Oct 70 (Rus)
[Study of ventilation and the mechanism of respiration of an experimentally reimplanted lung] Kolesnikov VD, et al.
Eksp Khir Anesteziol 15:67-71, Jul-Aug 70 (Rus)
[Biochemical changes in muscles of the replanted extremity] Zubenko PM.
Ukr Biokhim Zh 42:282-8, 1970 (Ukr)

REIMPLANTATION, TOOTH see TOOTH

REIMPLANTATION (E4, E6)

REINDEER (B2)

Neurologic disease in reindeer (Rangifer tarandus tarandus) introduced into Ontario. Anderson RC. Can J Zool 49:159-66, Feb 71
Brucellosis in reindeer, Rangifer tarandus L., and the migratory barren-ground caribou, Rangifer tarandus groenlandicus (L.), in Canada. Broughton E, et al. Can J Zool 48:1023-7, Sep 70
Fascioloides magna (Bassi, 1875) Ward, 1917 (Trematoda) in woodland caribou, Rangifer tarandus caribou (Gmelin), of northeastern Quebec, and its distribution in wild ungulates in Canada. Choquette LP, et al. Can J Zool 49:280-1, Feb 71
137 Cs: seasonal patterns in native residents of three contrasting Alaskan villages. Hanson WC. Health Phys 20:585-91, Jun 71
90Sr in northern Sweden: relationships and annual variations from 1961 to 1969 in lichen, reindeer and man. Persson BR. Health Phys 20:393-402, Apr 71
[Polymorphism in reindeer transferrins] Shubin PN, et al. Dokl Akad Nauk SSSR 193:697-9, 1970 (Rus)
[Radioecological parameters of the lichen-northern deer--man chain] Ramzaev PV, et al.
Gig Sanit 35:38-42, Jun 70 (Rus)
[Brucellosis diagnosis in northern reindeer] Kas'ianov AN, et al. Veterinariia 12:39-41, Dec 70 (Rus)
[Famophos--effective means of controlling warble fly in northern reindeer] Kurzaev GM.
Veterinariia 12:49-50, Dec 70 (Rus)

METABOLISM

Seasonal changes in the energy and nitrogen intake in reindeer and caribou. McEwan EH, et al. Can J Zool 48:905-13, Sep 70
90 Sr in northern Sweden: relationships and annual variations from 1961 to 1969 in lichen, reindeer and man. Persson BR. Health Phys 20:393-402, Apr 71

PHYSIOLOGY

Antlers--the unbrittle bones of contention. Henshaw J. Nature (Lond) 231:469, 18 Jun 71

REINFORCEMENT (PSYCHOLOGY) (F1)

Reinforcing appropriate visual attending behavior in classes of deaf children. Craig HB. Am Ann Deaf 115:481-91, Jul 70
Body-rocking: effects of sound and reinforcement. Hollis JH. Am J Ment Defic 75:642-4, Mar 71
Incentives, fertility control, and research. Lipe D. Am Psychol 26:617-25, Jul 71
The reinforcing properties of a television presented listener. Yoder DE. ASHA Monogr 14:10-8, Jan 70
The relevance of economic theory and technology to token reinforcement systems. Winkler RC. Behav Res Ther 9:81-8, May 71
Conditioned reinforcement established with intracranial self-stimulation (ICSS). Bruun M. Brain Res 24:548-9, 18 Dec 70
Factors affecting behavior maintained by response-contingent intravenous infusions of amphetamine in squirrel monkeys. Stretch R, et al. Can J Physiol Pharmacol 49:581-9, Jun 71
Effect of age and test situation on reinstatement of fear. Niemi RR, et al. Can J Psychol 24:442-51, Dec 70
Delayed reinforcement and vocalization rates of infants. Ramey CT, et al. Child Dev 42:291-7, Mar 71
Token reinforcement programs in special classes. Axelrod S. Except Child 37:371-9, Jan 71
Training children to work productively in classroom groups. Peterson RF, et al.
Except Child 37:491-500, Mar 71
The role of payoffs and signal ratios in criterion changes during a monitoring task. Williges RC. Hum Factors 13:261-7, Jun 71
Effects of performance payoff and cues on recall by hospitalized schizophrenics. Calhoun JF.
J Abnorm Psychol 76:485-91, Dec 70
Comparisons of normal adolescents, psychiatric patients, and adults on internal-external control. Distefano MK Jr, et al. J Clin Psychol 27:343-5, Jul 71
The effects of model reinforcement on emotionally disturbed adolescent boys. Leckerman L, et al.
J Clin Psychol 26:545-7, Oct 70
Force-contingent reinforcement in instrumental conditioning and extinction in children: a test of the frustration-drive hypothesis. Blixt S, et al.
J Comp Physiol Psychol 69:267-72, Oct 69
Partial reinforcement of a conditioned emotional response in rats. Hilton A.
J Comp Physiol Psychol 69:253-60, Oct 69
Nonperseverative disruption of behavioral inhibition following septal lesions in rats. Kelsey JE, et al.
J Comp Physiol Psychol 75:302-11, May 71
Goal-box experience and partial reinforcement runway effects in the rat. Rosen AJ, et al.
J Comp Physiol Psychol 76:145-51, Jul 71
Effects of palatable nonnutritive bulk as a reinforcer. Taylor CJ. J Comp Physiol Psychol 69:286-90, Oct 69
Locus of control and social desirability. Cone JD.
J Consult Clin Psychol 36:449, Jun 71
Some ego functions associated with delay of gratification in male delinquents. Erikson RV, et al.
J Consult Clin Psychol 36:378-82, Jun 71
Subprofessional therapists' use of reinforcement versus traditional psychotherapeutic techniques with schizophrenics. Hartlage LC.
J Consult Clin Psychol 34:181-3, Apr 70
Experimental prevention of underachievement among intelligent impulsive college students. Kipnis D, et al.
J Consult Clin Psychol 36:53-60, Feb 71
Internal-external locus of control and perception of disability. MacDonald AP Jr, et al.
J Consult Clin Psychol 36:338-43, Jun 71
Effects of modeling and reinforcement on adult chronic schizophrenics. Olson RP.
J Consult Clin Psychol 36:126-32, Feb 71
Differential responding as a function of auditory stimulus intensity without differential reinforcement. Blue S, et al.
J Exp Anal Behav 15:371-7, May 71
The control of imitative and nonimitative behaviors in severely retarded children through "generalized-instruction following". Martin JA.
J Exp Child Psychol 11:390-400, Jun 71
Configural conditioning: greater fear in rats to compound than component through overtraining of the compound. Booth JH, et al.
J Exp Psychol 87:255-62, Feb 71
Frustration considerations of the small-trials partial reinforcement effect: experience with nonreward and intertrial reinforcement. Brooks CI.
J Exp Psychol 89:362-71, Aug 71
Frustration effect and resistance to extinction as a function of percentage of reinforcement. Coughlin RC Jr. J Exp Psychol 84:113-9, Apr 70
Autonomic responses and verbal reports in further tests of the preparatory-adaptive-response interpretation of reinforcement. Furedy JJ, et al.
J Exp Psychol 89:258-64, Aug 71
Classical aversive conditioning of human digital volume-pulse change and tests of the preparatory-adaptive-response interpretation of the reinforcement. Furedy JJ, et al.
J Exp Psychol 89:405-7, Aug 71
Uncertainty from internal and external sources: a clear case of overconfidence. Howell WC.
J Exp Psychol 89:240-3, Aug 71
Differential human eyelid conditioning as a function of the probability of reinforcement and CS similarity. Peterson GB, et al. J Exp Psychol 85:318-20, Aug 70
Adaptation to 23 one-half-hour food deprivation under CRF conditions: a sex comparison. Cole SO, et al.
J Gen Psychol 85:131-5, Jul 71
Self-reinforcement established for a discrimination task. Miller AW Jr, et al.
J Genet Psychol 117:1-6, Sep 70
Token economy program in a maximum security correctional hospital. Lawson RB, et al.
J Nerv Ment Dis 152:199-205, Mar 71
Effects of l-delta9- and l-delta8-trans-tetrahydrocannabinol and cannabinol on schedule-controlled behavior of pigeons and rats. Frankenheim JM, et al.
J Pharmacol Exp Ther 178:241-52, Jul 71
Nalorphine-induced changes in morphine self-administration in rhesus monkeys. Goldberg SR, et al. J Pharmacol Exp Ther 176:464-71, Feb 71
Tolerance to a behavioral effect of lysergic acid diethylamide and cross-tolerance to mescaline in the rat: absence of a metabolic component. Winter JC.
J Pharmacol Exp Ther 178:625-30, Sep 71
Functional role of an aminergic nucleus (locus coeruleus). Arbuthnott GW, et al.
J Physiol (Lond) 211:Suppl:28P+, Dec 70
The use of covert reinforcement in the modification of attitude toward the mentally retarded. Cautela JR, et al. J Psychol 77:257-60, Mar 71
The use of a time-out from positive reinforcement procedure with asthmatic children. Creer TL.
J Psychosom Res 14:117-20, Jun 70
Locus of control and correlates of attraction toward others. Silverman RE, et al.
J Soc Psychol 84:207-13, Aug 71
Effects of delay of reinforcement on probability learning by aphasic subjects. Brookshire RH.
J Speech Hear Res 14:92-105, Mar 71
The effects on stuttering frequency of pairing punishment (response cost) with reinforcement. Halvorson JA. J Speech Hear Res 14:356-64, Jun 71
The operant manipulation of vocal pitch in normal speakers. Moore JC, et al.
J Speech Hear Res 14:283-90, Jun 71
Changing classroom behavior of retarded children: using reinforcers in the home environment and parents and teachers as trainers. Edlund CV.
Ment Retard 9:33-6, Jun 71
The use of multiple reinforcers in a rehabilitation setting. Logan DL, et al. Ment Retard 9:3-6, Jun 71
Light reinforcement, noise and arousal level. Williams D, et al. Nature [New Biol] 232:95-6, 21 Jul 71
Self-administration of d-amphetamine, morphine and chlorpromazine by cocaine "dependent" rhesus monkeys. Hoffmeister F, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:359-60, 1970
Reinforcement of independent and dependent patient behaviors by nursing personnel: an exploratory study. Mikulic MA. Nurs Res 20:162-5, Mar-Apr 71
Effects of social and token reinforcement on WISC block design performance. Bergan A, et al.
Percept Mot Skills 32:871-80, Jun 71
Indices of pathology in acquisition responses by mental patients on a fixed-ratio schedule. Kroeker LL, et al.
Percept Mot Skills 31:691-9, Dec 70
Reinforcement in figure-ground perception. McFarland RA. Percept Mot Skills 31:403-7, Oct 70
Light deprivation and sensory reinforced behavior in chicks. Meyer ME, et al.
Percept Mot Skills 32:602, Apr 71
Use of paired stimuli in modification of articulation. Weston AJ, et al. Percept Mot Skills 32:947-57, Jun 71
Altruistic behavior by children. Bryan JH, et al.
Psychol Bull 73:200-11, Mar 70
Alcoholism: controlled drinking and incentives for abstinence. Cohen M, et al.
Psychol Rep 28:575-80, Apr 71
Academic rank, task feedback and self-reinforcement in children. Haynes LE, et al.
Psychol Rep 28:967-74, Jun 71
Social desirability as a variable in the locus of control scale. Hjelle LA. Psychol Rep 28:807-16, Jun 71
Review of the internal-external control construct as a personality variable. Joe VC.
Psychol Rep 28:619-40, Apr 71 (113 ref.)
Rater agreement on the reinforcement and fear survey schedules. Mermis B, et al.
Psychol Rep 28:243-6, Feb 71
Intensity of light onset or offset as a positive or negative reinforcer for domestic chicks. Meyer ME.
Psychol Rep 25:879-82, Dec 69
Anxiety, discrepancy between need value and expectancy, and internal-external control. Nelson PC, et al. Psychol Rep 28:663-8, Apr 71
Note on frustration theory and the partial reinforcement effect following a few acquisition trials. Padilla AM. Psychol Rep 28:81-2, Feb 71
Reinforcement procedures in the control of encopresis: a case study. Pedrini BC, et al.
Psychol Rep 28:937-8, Jun 71
Age changes and correlates of internal-external locus of control scale. Penk WE. Psychol Rep 25:856, Dec 69
Secondary reinforcement based on primary brain stimulation reward. Trowill JA, et al.
Psychol Rep 27:715-8, Dec 70
Alterations in the behavioral effects of LSD by pretreatment with para-chlorophenylalanine and alpha-methyl-para-tyrosine. Appel JB, et al.
Psychopharmacologia 18:387-406, 1970
Persistent potency of a secondary (conditioned) reinforcer following withdrawal of morphine from physically dependent rats. Wikler A, et al.
Psychopharmacologia 20:103-17, 1971
Dissociation of impairment after lateral and medial prefrontal lesions in dogs. Dabrowska J.
Science 171:1037-8, 12 Mar 71
Caudate nucleus stimulation retroactively impairs complex maze learning in the rat. Peeke HV, et al.
Science 173:80-2, 2 Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Autoshaping. Skinner BF. Science 173:752-3, 20 Aug 71
[Mental consolidation and the influence of recognition on recall] Le Ny JF.
Annee Psychol 69:67-92, 1969 (Fre)
[Dissociation of certain aspects of the prefrontal syndrome in Macaca] Delacour J, et al.
C R Acad Sci [D] (Paris) 272:2462-4, 10 May 71 (Fre)
[An experiemtnal study in psychopathology: extinction of a free operating conditioning] Agathon M.
Encephale 60:81-93, Jan-Feb 71 (Fre)
[Experimental analysis of the effects of reminiscence after interruption of an extended learning experiment] Senini A, et al.
Arch Psicol Neurol Psichiatr 31:554-9, Nov-Dec 70 (Ita)
[Operant control of spontaneous skin potential response in Japanese and American subjects: a comparative study] Watanabe T, et al.
Jap J Psychol 42:79-86, Jun 71 (Jap)
[Automata with normal and disordered behavior in experiments on selection with reinforcement] Glazunov NI, et al.
Dokl Akad Nauk SSSR 197:1280-3, 21 Apr 71 (Rus)
[The physiology of conditioned reflex reinforcement] Asratian EA.
Zh Vyssh Nerv Deiat 21:3-13, Jan-Feb 71 (Rus)
[Elimination of painful stimulation as a reinforcing factor in a system of formed avoidance reflexes] Ivanova NG.
Zh Vyssh Nerv Deiat 20:486-92, Jul-Aug 70 (Rus)
[Conditioned reflex behavior in animals when using signals in stereotyped, random and mixed sequences] Khananashvili MM.
Zh Vyssh Nerv Deiat 20:340-51, Mar-Apr 70 (Rus)
[Role of the frontal brain areas in the formation of conditioned reactions adequate to the magnitude and probability of their reinforcement] Mekhedova AIa.
Zh Vyssh Nerv Deiat 21:459-64, May-Jun 71 (Rus)
[Partial and probable reinforcement of conditioned reflexes] Menitskif DN, et al.
Zh Vyssh Nerv Deiat 20:457-85, Jul-Aug 70 (117 ref.) (Rus)
[Possible mechanism of the activity of the primary reinforcement system] Myslobodskif MS.
Zh Vyssh Nerv Deiat 20:1298-300, Nov-Dec 70 (Rus)
[An instrumental conditioned reflex in monkeys with alimentary reinforcement of a different individual] Novikova EE.
Zh Vyssh Nerv Deiat 21:204-5, Jan-Feb 71 (Rus)
[Changes in the characteristic reaction to a signal stimulus during elaboration of simple and complex conditioned reflexes] Rudenko LP.
Zh Vyssh Nerv Deiat 20:923-31, Sep-Oct 70 (Rus)
[Formation and interaction of two systems of conditioned reflexes elaborated simultaneously with stereotyped and random series of reinforcement signals] Voevodina ON, et al.
Zh Vyssh Nerv Deiat 20:1076-8, Sep-Oct 70 (Rus)

DRUG EFFECTS

Sodium amobarbital, the hippocampal theta rhythm, and the partial reinforcement extinction effect. Gray JA. Psychol Rev 77:465-80, Sep 70
Effects of hydrazine on behavior in rats. Pradhan SN, et al. Toxicol Appl Pharmacol 18:151-7, Jan 71

REINFORCEMENT SCHEDULE (F1)

Effect of level of manifest anxiety and type of pretraining on timing behavior. Singh D.
Am J Psychol 84:134-9, Mar 71
Fixed-ratio polydipsia: thermal effects of drinking, pausing, and responding. Carlisle HJ.
J Comp Physiol Psychol 75:10-22, Apr 71
Fixed-ratio responding following septal lesions in the rat. Hothersall D, et al.
J Comp Physiol Psychol 73:470-6, Dec 70
Behavioral contrast and frustration effect in multiple and mixed fixed-interval schedules in ther rat. Scull J, et al. J Comp Physiol Psychol 71:478-83, Jun 70
Schedule-induced aggression as a function of fixed-ratio value. Cherek DR, et al.
J Exp Anal Behav 14:309-11, Nov 70
Aggression during the fixed-ratio and extinction components of a multiple schedule of reinforcement. Knutson JF. J Exp Anal Behav 13:221-31, Mar 70
Rate-dependent effects of drugs: modification by discriminative stimuli of the effects of amobarbital on schedule-controlled behavior. McKearney JW.
J Exp Anal Behav 14:167-75, Sep 70
Effects of chlorpromazine in the pigeon under a second-order schedule of food presentation. Marr MJ.
J Exp Anal Behav 13:291-9, May 70
Polydipsia induced in the rat by a second-order schedule. Rosenblith JZ.
J Exp Anal Behav 14:139-44, Sep 70
Operant suppression of electrodermal response rate as a function of punishment schedule. Crider A, et al.
J Exp Psychol 83:333-4, Feb 70
Effects of unconditioned stimulus intensity and schedules of 50 per cent partial reinforcement in human classical eyelid conditioning. Foth DL, et al.
J Exp Psychol 84:244-7, May 70
The relationship of amphetamine-induced anorexia and freezing under a multiple CRF-EXT operant schedule. Cole SO. J Gen Psychol 83:163-8, Oct 70
The effects of type of reinforcer, schedule of reinforcement, sex and personality on response rates of mentally retarded children. Siemon AG.
J Ment Defic Res 15:38-42, Mar 71
The influence of random reinforcement on heart rate during extinction. Laforge H.
J Psychol 77:89-99, Jan 71
Intermittent reinforcement, guilt, and crime. Persons RW. Psychol Rep 26:421-2, Apr 70
Effects of LSD on time-based schedules of reinforcement. Appel JB.
Psychopharmacologia 21:174-86, 1971
[The effect of probable reinforcement on the dynamics of defense conditioned reflexes in rabbits] Trubachev VV. Zh Vyssh Nerv Deiat 20:917-22, Sep-Oct 70 (Rus)

DRUG EFFECTS

Amobarbital and the partial reinforcement effects in rats: isolating frustrative control over instrumental responding. Capaldi EJ, et al.
J Comp Physiol Psychol 74:467-77, Mar 71

REINFORCEMENT, SOCIAL (F1)

Suicide in chronic hemodialysis patients from an external locus of control framework. Goldstein AM, et al. Am J Psychiatry 127:1204-7, Mar 71
Reinforcement of cohesiveness in group therapy. Behavioral and personality changes. Liberman R.
Arch Gen Psychiatry 25:168-77, Aug 71
The relationship between social comments as unconditioned stimuli and fear responding. Gale EN, et al. Behav Res Ther 8:301-7, Aug 70
Social feedback in the learning of a motor skill. Foot HC, et al. Biophys J 11:309-19, Jan 71
Social feedback in the learning of a motor skill. Foot HC, et al. Br J Soc Clin Psychol 9:309-19, Dec 70
Perceived maternal child-rearing experience and the effects of vicarious and direct reinforcement on males. Heilbrun AB Jr. Child Dev 41:253-62, Mar 70
Establishment of social reinforcement as an effective modifier of verbal behavior in chronic psychiatric patients. Miller PM, et al.
J Abnorm Psychol 76:392-5, Dec 70
Verbal conditioning and therapeutic change. Lapuc PS, et al. J Consult Clin Psychol 35:70-8, Aug 70
Treatment of "adolescent rebellion" by the reconstrual of stimuli. Masters JC.
J Consult Clin Psychol 35:213-6, Oct 70
Anxiety and experimenter valence as determinants of social reinforcer effectiveness. Lepper MR.
J Pers Soc Psychol 16:704-9, Dec 70
Field dependence and prior reinforcement as determinants of social interaction in judgment. Mausner B, et al. J Pers Soc Psychol 16:488-93, Nov 70
Response to social and monetary reward in neurosis. Sloane RB, et al. J Psychiatr Res 7:227-36, Jul 70
The utility of behavior management techniques in changing interracial behaviors. Williams RL, et al.
J Psychol 77:127-38, Jan 71
Emotional arousal as a function of perceived locus of control and task requirements. Ryckman RM, et al.
J Soc Psychol 83:185-91, Apr 71
Social reinforcement effects on preschool children's motor performance. Martens R.
Percept Mot Skills 31:787-92, Dec 70
An economical model of the engineered classroom. Coleman R. Psychol Rep 28:963-6, Jun 71
Internal-external control of reinforcement in smoking behavior. Hjelle LA, et al. Psychol Rep 26:562, Apr 70
Effects of social reinforcement on health reporting in the household interview. Marquis KH.
Sociometry 33:203-15, Jun 70
Increasing individual and assembly line production rates of retarded students. Brown L, et al.
Train Sch Bull (Vinel) 67:206-13, Feb 71
Withdrawal of social reinforcers as a means of controlling rumination and regurgitation in a profoundly retarded person. Smeets PM.
Train Sch Bull (Vinel) 67:158-63, Nov 70

REINFORCEMENT, VERBAL (F1)

The effect of extraversion and stimulant and depressant drugs on verbal conditioning. Gupta BS.
Acta Psychol (Amst) 34:505-10, Dec 70
Vigilance and verbal conditioning in the mildly and severely retarded. Das JP.
Am J Ment Defic 75:253-9, Nov 70
Reinforcement procedures and the increase of functional speech by a brain-injured child. Hall RV.
ASHA Monogr 14:48-59, Jan 70
Conditioning of affective self-references as a function of semantic meaning of verbal reinforcers. Hekmat H, et al. J Abnorm Psychol 76:427-33, Dec 70
Verbal conditioning and dependency behavior in delinquents. Stewart DJ, et al.
J Abnorm Psychol 76:375-7, Dec 70
Verbal mediation of children's perception: the role of response vriables. Katz PA, et al.
J Exp Psychol 85:349-55, Sep 70
The effects of reinforcement upon skin conductance levels in process and reactive schizophrenics and in normals. Taylor J. J Nerv Ment Dis 152:50-2, Jan 71
Individual differences in verbal conditioning, extinction, and awareness. Strickland BR.
J Pers 38:364-78, Sep 70
The verbal reinforcement technique in personality research. Fischer EH, et al.
J Soc Psychol 83:79-89, Feb 71
Effects of instructions and training on shape constancy. Gregg CL, et al. Percept Mot Skills 32:485-6, Apr 71

REITER'S DISEASE (C1, C3, C6, C11)

Reiter's syndrome. Ostler HB, et al.
Am J Ophthalmol 71:986-91, May 71
Reiter's syndrome.
Arthritis Rheum 13:505-9, Sep-Oct 70
Reiter's disease. Br Med J 3:388-7, 14 Aug 71
[Reiter's disease] Blécourt JJ de.
Ned Tijdschr Geneeskd 115:97-100, 16 Jan 71 (Dut)
[Midterm development of cases of Fiessinger-Leroy-Reiter syndrome (FLR) in the military from 1955 to 1965] Memin Y, et al.
Lyon Med 225:901-2, 9 May 71 (Fre)
[Evolution at middle term of the Fiessinger-Leroy-Reiter (F.L.R.) syndrome] Memin Y, et al. Presse Med 7:1072, 8 May 71 (Fre)
[Reiter's syndrome and ankylosing spondylitis] Hauser W. Verh Dtsch Ges Rheumatol 1:80-9, 1969 (Ger)
[Reiter's syndrome] Bondareva GS.
Oftalmol Zh 26:67, 1971 (Rus)
[Reiter's syndrome] Bopp C, et al.
An Bras Dermatol 45:215-40, Jul-Sep 70 (Spa)

COMPLICATIONS

Sjögren's syndrome in psoriatic arthritis, ankylosing spondylitis and Reiter's syndrome. Whaley K, et al.
Acta Rheumatol Scand 17:105-14, 1971
Sequelae of neonatal inclusion conjunctivitis and associated disease in parents. Mordhorst CH, et al.
Am J Ophthalmol 71:861-7, Apr 71
Spinal bony bridging and carditis in Reiter's disease. Cliff JM. Ann Rheum Dis 30:171-9, Mar 71
Ankylosing spondylitis and spondylitis accompanying ulcerative colitis, regional enteritis, psoriasis and Reiter's disease. A comparative study. McEwen C, et al. Arthritis Rheum 14:291-318, May-Jun 71
Keratodermia blenorrhagica in Reiter's disease. Howell R. Br Med J 1:725-6, 27 Mar 71
Extensive keratodermia blennorrhagica in a woman with Reiter's disease. Richards AJ.
Br Med J 4:723-4, 19 Dec 70
Arthritis in systemic disease. Wright V.
Practitioner 205:630-4, Nov 70
[Heart involvement in Fiessinger-Leroy-Reiter syndrome. An anatomo-clinical case] Chomette G, et al. Arch Anat Pathol (Paris) 18:223-7, Sep 70 (Fre)
[Aortic insufficiency, ankylosing spondylarthritis and Fiessinger-Leroy-Reiter syndrome. Apropos of an anatomo-clinical case] Siguier F, et al.
Coeur Med Interne 9:457-65, Oct 70 (Fre)
[Sacroiliitis, Reiter's disease and spinal rheumatism] Ott VR. Dtsch Med J 20:301-7, 27 May 69 (Ger)
[Peivospondylitis in Fiessinger-Leroy-Reiter syndrome] Delbarre F, et al.
Verh Dtsch Ges Rheumatol 1:195-200, 1969 (Ger)

DIAGNOSIS

Reiter's syndrome? Swanbeck G.
Acta Derm Venereol (Stockh) 51:232, 1971
A clinical and roentgenological follow-up study of patients with uro-arthritis or pelvospondylitis. Rosenthal L, et al. Acta Rheumatol Scand 17:3-14, 1971
Reiter's syndrome--protan symptomatology? Woodcock K. Br Med J 3:706-7, 18 Sep 71
[Diagnosis of Reiter's syndrome] Triapichnikov PF, et al. Sov Med 33:109-12, Sep 70 (Rus)

DRUG THERAPY

[A case of Reiter's syndrome cured with Degranol and complicated by psoriasis] Dvorszky K, et al.
Dermatol Monatsschr 156:927-31, Oct 70 (Ger)

ETIOLOGY

[Reiter's disease, Behcet's syndrome] Martenet AC.
Ber Dtsch Ophthalmol Ges 70:306-11, 1970 (Ger)

HISTORY

Hans Reiter (1881-). Reiter's syndrome. (Reiter H), JAMA 211:321-2, 2 Feb 70

IMMUNOLOGY

Complement-fixing antibodies to Bedsonia in Reiter's syndrome, TRIC agent infection, and control groups. Schachter J. Am J Ophthalmol 71:857-60, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Immunoreactants in rheumatoid synovial effusions. Zvaifler NJ. J Exp Med 134:Suppl:276s+, 1 Sep 71

MICROBIOLOGY

Isolation of human genital TRIC agents in nongonococcal urethritis and Reiter's disease by an irradiated cell culture method. Ford DK, et al. Br J Vener Dis 47:196-7, Jun 71

PATHOLOGY

[Nail changes in Reiter's disease] Sturde HC. Hautarzt 22:353-4, Aug 71 (Ger)

PHYSIOPATHOLOGY

[Research concerning statics and dynamics of the rheumatismal foot and the functional diagnosis of gait disorders] Stroescu I, et al. Rev Rhum Mal Osteoartic 38:173-8, Mar 71 (Fre)

RADIOGRAPHY

The radiographic pattern of polyarthritis in Reiter's syndrome. Sholkoff SD, et al. Arthritis Rheum 14:551-5, Jul-Aug 71

Roentgenology of Reiter's syndrome. Sholkoff SD, et al. Radiology 97:497-503, Dec 70

THERAPY

Treatment of Reiter's syndrome. Catterall RD. Practitioner 207:76, Jul 71

REJUVENATION (E2)

[Problem of revitalization] Widniewska-Roszkowska K. Pol Tyg Lek 25:1326-8, 31 Aug 70 (5 ref.) (Pol)

HISTORY

[Could Protti's intramuscular blood injection be considered a tentative anti-senescence therapy?] (Protti G), Torresi L. G Gerontol 17:353-9, Apr 69 (Ita)

RELA see CARISOPRODOL (D5)

RELAPSING FEVER (C1)

[A case of recurrent fever imported into the Netherlands] Heide RM van der. Ned Tijdschr Geneeskd 115:607-8, 3 Apr 71 (Dut)

[Louse-borne relapsing fever in Ethiopia] Rijkels DF. Ned Tijdschr Geneeskd 115:593-7, 3 Apr 71 (Dut)

MICROBIOLOGY

Separation of relapsing fever spirochaetes from blood by DEAE cellulose anion exchanger. Ginger CD, et al. Trans R Soc Trop Med Hyg 64:700-2, 1970

PHYSIOPATHOLOGY

Some effects of louse-borne relapsing fever on the function of the heart. Parry EH, et al. Am J Med 49:472-9, Oct 70

RELAXATION (E2)

The rocker. Burch GE, et al. Am Heart J 81:143-4, Jan 71

A comparison of the effects of hypnosis and relaxation training on stress reactions in a dental situation. McAmmond DM, et al. Am J Clin Hypn 13:233-42, Apr 71

Comparison of methods of relaxation using physiological measures. Lader MH, et al. Behav Res Ther 8:331-7, Nov 70

Experimental desensitization of mouse-avoidance following two schedules of semi-automated relaxation training. Linder IH, et al. Behav Res Ther 9:131-6, May 71

A downtown social center for patients. LeCrone HH Jr, et al. Hosp Community Psychiatry 22:191, Jun 71

Hypnosis, relaxation, and motor retardation. Ham MW, et al. J Abnorm Psychol 77:329-31, Jun 71

Comparison of hypnotic analgesia and hypnotic relaxation during stimulation by a continuous pain source. Sachs LB. J Abnorm Psychol 76:206-10, Oct 70

Effects of progressive relaxation on autonomic processes. Edelman RI. J Clin Psychol 26:421-5, Oct 70

Relaxation and fear as determinants of maintained avoidance in rats. Reynierse JH, et al. J Comp Physiol Psychol 72:223-32, Aug 70

Desensitization and physiological arousal. Edelman RI. J Pers Soc Psychol 17:259-66, Mar 71

Migraine: an exploratory treatment application of programmed behaviour therapy techniques. Mitchell KR, et al. J Psychosom Res 15:137-57, Jun 71

Arousal, anxiety, aggression, and attitude change. Friedman PH, et al. J Soc Psychol 83:99-108, Oct 70

A case study of psychogenic hoarseness. Strandberg TE, et al. J Speech Hear Disord 36:281-6, May 71

Effect of stress relaxation on the contraction response of cardiac muscle. Wead WB, et al. Proc Soc Exp Biol Med 137:939-41, Jul 71

The influence of evening activity on the onset of sleep. Hauri P. Psychophysiology 5:426-30, Jan 69

Psychophysiological and learning correlates of anxiety and induced muscle relaxation. Wilson A, et al. Psychophysiology 6:740-8, May 70

[The function of relaxation in systematic desensitization] Sikkel RJ, et al. Ned Tijdschr Psychol 26:40-51, Jan 71 (Dut)

[Spontaneous variations of the spectrum amplitude of the normal human EEG in waking and relaxed states] Drohocki ZA. C R Soc Biol (Paris) 164:992-7, 1970 (Fre)

[Relaxation] Renaudin G. Cah Coll Med Hop Paris 10:445-53, May 69 (Fre)

[The open-eyed relaxation method and its use in phoniatrics] Le Huche F. Rev Laryngol Otol Rhinol (Bord) 92:208-25, Mar-Apr 71 (Fre)

[Meditation methods in the East and concentrative relaxation exercises] Pfeiffer WM. Z Psychother Med Psychol 20:28-33, Jan 70 (Ger)

[Changes in the appearance and extent of isotonic relaxation as a function of the type of contraction (after-stop) in the rat papillary muscle] Minelli R, et al. Boll Soc Ital Cardiol 15:675-83, 1970 (Ita)

[Dumont's method of DAC (standing, sitting, lying) relaxation] Dumont A. Minerva Med 62:3151-5, 8 Sep 71 (Ita)

[Hypnosis and sophrology. Terminology and essence of hypnosis] Granone F. Minerva Med 61:5984-9, 26 Dec 70 (Ita)

[Psychological dynamics of the respiratory role in preparation for painless labor] Pisciceli U. Minerva Med 61:4712-5, 20 Oct 70 (Ita)

[On some phenomena and psychophysiological conditions in the course of the preparatory and oneirotherapeutic phases of psychotherapy with "mental imagery"] Rigo L. Riv Sper Freniatr 93:1344-59, Dec 69 (Ita)

RELAXIN (D8)

ANALYSIS

Cytoplasmic granules and relaxin levels in porcine corpora lutea. Belt WD, et al. Endocrinology 89:1-10, Jul 71

PHARMACODYNAMICS

Phosphorylase alpha activity in rat uterine homogenates. Loss of activity related to in vivo treatment with estrogen, progesterone, relaxin and CaEDTA. Rinard GA. Biochim Biophys Acta 222:455-64, 24 Nov 70

The action of relaxin on myometrial activity in the guinea-pig in vivo. Porter DG. J Reprod Fertil 26:251-3, Aug 71

[Collagen metabolism of the skin and its hormonal influence] Struck H. Acta Endocrinol [Suppl] (Kbh) 152:18, 1971 (Ger)

RELAXING FACTOR see MUSCLE RELAXING FACTOR (D12)

RELIEF WORK see under DISASTERS (G3)

RELIGION (K, N1)

Psychoanalysis and religion. Apolito A. Am J Psychoanal 30:115-26, 1970

Religion, mental health and the psychoanalyst. Rubins JL. Am J Psychoanal 30:127-34, 1970

Authority and controversial policy: the churches and civil rights. Wood JR. Am Sociol Rev 35:1057-69, Dec 70

Religion and conceptual models of behaviour. Shaw BW. Biophys J 11:320-7, Jan 71

Cross-national comparisons of Catholic-Protestant creativity differences. Marino C. Br J Soc Clin Psychol 10:132-7, Jun 71

Religion and conceptual models of behaviour. Shaw BW. Br J Soc Clin Psychol 9:320-7, Dec 70

Scientology libel action. Br Med J 1:297-8, 30 Jan 71

Assessment of the patient's religious attitudes in the psychiatric case study. Pruyser PW. Bull Menninger Clin 35:272-91, Jul 71

Cancer death rates by site and sex for religious and socioeconomic groups in New York City. Seidman H. Environ Res 3:234-50, Jul 70

The clergyman's contribution to community mental health. Bruder EE. Hosp Community Psychiatry 22:207-10, Jul 71

Theological consultation in mental hospitals. Stage TB. Hosp Community Psychiatry 22:210-1, Jul 71

Liturgical worship in a state hospital. Travis JL. Hosp Community Psychiatry 21:237-8, Jul 70

Business-oriented planning techniques for religious communities. Trubac ER, et al. Hosp Progr 52:49-52 passim, Apr 71

A psychological comparative study of the Samaritan community: Shchem (Nablus) and Holon. General survey. Felix R, et al. Isr Ann Psychiatry 8:123-36, Jul 70

Behavioral validation of several values from the Rokeach Value Scale as an index of honesty. Shotland RL, et al. J Appl Psychol 54:433-5, Oct 70

The Protestant ethic as a personality variable. Mirels HL, et al. J Consult Clin Psychol 36:40-4, Feb 71

Psychiatric patients' responses to MMPI religion items. Struss ME, et al. J Pers Assess 35:282-4, Jun 71

Some personality differences between seminarians and nonseminarians. Hjelle LA, et al. J Soc Psychol 82:279-80, Dec 70

Dogmatism, religiosity and mental health in college students. Richek HG, et al. Ment Hyg 54:572-4, Oct 70

Issue at point: a need for the chaplaincy? Leath JR. Ment Retard 1:42-3, Apr 71

More than knowing. Clergymen: their attitudes toward and knowledge of the mentally retarded. Peterson DD. Ment Retard 8:24-6, Apr 70

Supernatural beliefs among graduate students at the University of Pennsylvania. Salter CA, et al. Nature (Lond) 232:278-9, 23 Jul 71

Religious conversion and the mystical experience. Glenn ML. Psychiatr Q 44:636-51, 1970

A good, short measure of religious dogmatism. Fagan J, et al. Psychol Rep 26:533-4, Apr 70

Religious orientations of three samples of graduate students in clinical psychology, social work, and counseling and guidance. Willis J, et al. Psychol Rep 26:623-30, Apr 70

Ethno-religious variation in perceptions of illness. The use of illness as an explanation for deviant behavior. Guttmacher S, et al. Soc Sci Med 5:117-25, Apr 71

The idiom of demonic possession. A case study. Obeyesekere G. Soc Sci Med 4:97-111, Jul 70

Is Feibleman a panentheist? (Feibleman JK), Whittemore RC. Stud Gen (Berl) 24:709-17, 16 Jul 71

[Effects of belonging to a religious denomination on suicide and suicide attempt] Böcker F. Med Welt 14:566-71, 3 Apr 71 (Ger)

[Tobacco in religious beliefs and ceremonies as well as magic and primitive medicine] Markiewicz K. Pol Tyg Lek 26:191-3, 1 Feb 71 (Pol)

[The eyes in science, art and religion] Galvão PG. Rev Bras Oftalmol 30:7-24, Mar 71 (Por)

RELIGION AND MEDICINE (K)

Lung cancer among the Jews and non-Jews of Pittsburgh, Pennsylvania, 1953-1967. II. Medical care initiation and diagnostic procedures. Herman B, et al. Am J Epidemiol 94:11-5, Jul 71

The noetic dimension of human reproduction. Richardson AC, et al. Am J Obstet Gynecol 110:808-24, 15 Jul 71

Anesthesia in the Bible and Talmud. Rosner F, et al. Anesth Analg (Cleve) 50:298-301, Mar-Apr 71

Correction of double-outlet right ventricle with pulmonary stenosis and aortic insufficiency in a Jehovah's Witness. Hallman GL, et al. Ann Thorac Surg 11:472-9, May 71

Blood (part I): Jehovah Witnesses & the law. Rozovsky LE. Can Hosp 48:41-2, Mar 71

Towards a theology of the health apostolate. Burghardt WJ. Hosp Progr 52:66-71, Sep 71

The human person: experimental laboratory of privileged sanctuary? Carrol C. Hosp Progr 52:34-41, Jun 71

Legalized abortion: the conscience clause and coercion. Cavanagh D. Hosp Progr 52:86-90, Aug 71

Demands on the Christian nurse. Mary Simone Sister. Hosp Progr 52:43-6, Aug 71

Sister-visitors and the sick. Niklas GR. Hosp Progr 52:40-2, Jan 71

The health care apostolate in the age of renewal. Oberti MD, et al. Hosp Progr 52:37-9, Jan 71

Religious personnel: a look to the future. O'Meara G. Hosp Progr 51:62-7, Dec 70

The health apostolate: some spiritual dimensions. Scharper P. Hosp Progr 52:72-5, Sep 71

The patient hostess. How she functions within the Department of Religion. Schmitt MJ. Hosp Progr 52:80-1, Jul 71

Why medicine needs religion. Walker HB. Int Surg 56:37B-40B, Aug 71

Pastoral care program, as related to dialysis and transplantation. Whitesel JA, et al. J Indiana State Med Assoc 64:293-4, Apr 71

Man, milieu and malady. The tower in Siloam. Dunstan GR. J R Coll Gen Pract 19:Suppl 4:13-9, Jun 70

Cultural resistance to smallpox vaccination in West Africa. Challenor BD. J Trop Med Hyg 74:57-9, Mar 71

Medicine and religion. An overview. O'Donnell TJ. JAMA 211:815-7, 2 Feb 70

The integrity of the healing process in the relationship of the patient, the physician and the clergyman. Beers RF Jr. Johns Hopkins Med J 128:289-94, May 71

Abdomino-perineal resection in a Jehovah Witness. Case report. Schneider TA. Mo Med 68:395-6, Jun 71

Modern oaths and ancient needs. Mellinkoff SM. N Engl J Med 285:526-7, 26 Aug 71

Medicine and religion. Brott CR. Nebr State Med J 55:741, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The heart, the head, and the Halakhah. Rosenfeld RA. NY State J Med 70:2615-9, 15 Oct 70
[Old documents showing the first women dentists and Saint Appolonia] Paiva Boléo J de. Actual Odontostomatol (Paris) 24:295-306, Sep 70 (Fre)
[Medicine, man and suffering] Champagne R. Laval Med 40:647-8, Sep 69 (Fre)
[The physician, the patient and suffering] Goulet L. Laval Med 40:655-8, Sep 69 (Fre)
[Psychosomatic medicine and religion] Schaller AJ. Laval Med 41:1144-52, Nov 70 (Fre)
[Death in Africa] Collomb H. Rev Neuropsychiatr Infant 18:827-36, Oct-Nov 70 (Fre)
[Hygiene and medicine in the Koran. Contributions to the history of the islamic ethnic and cultural field. 3] Brandenburg D. Med Welt 22:936-42, 29 May 71 (Ger)
[Dogma or medical truth and an indication against the materialistic approach] Staehelin B. Praxis 59:267-72, 24 Feb 70 (Ger)
[Buddhistic meditation exercises from a medical viewpoint] Erbslöh J. Z Psychother Med Psychol 20:19-28, Jan 70 (Ger)
[Meditation methods in the East and concentrative relaxation exercises] Pfeiffer WM. Z Psychother Med Psychol 20:28-33, Jan 70 (Ger)
[The Madonna of the teeth] Muratori G. Dent Cadmos 37:107-11, Jan 69 (Ita)

HISTORY

The legal and medical aspects of the trial and death of Christ. Bucklin R. Med Sci Law 10:14-26, Jan 70
The Bible and legal medicine. Cameron JM. Med Sci Law 10:7-13, Jan 70
[The false gods and the true God of medicine] Frappier A. Union Med Can 100:1387-94, Jul 71 (Fre)
[Care of the mother and the newborn infant through Catalan medieval art] Usandizaga M. Acta Obstet Ginecol Hisp Lusit Suppl 4:3-73, Dec 70 (Spa)

RELIGION AND PSYCHOLOGY (F1, K)

Cosmic optimism in some Genesis myths. Beck SJ. Am J Orthopsychiatry 41:380-9, Apr 71
Sudden religious conversions in temporal lobe epilepsy. Dewhurst K, et al. Br J Psychiatry 117:497-507, Nov 70
Spiritual considerations in psychotherapy. Thompson JH. Br J Psychiatry 119:71-2, Jul 71
A psychological view of religion in the 1970s. Pruyser PW. Bull Menninger Clin 35:77-97, Mar 71
Stages of religious experience and the path of depth psychology. Neuman E. Isr Ann Psychiatry 8:232-54, Dec 70
Manifest anxiety as a contributing factor in religious conversion. Byrne D, et al. J Consult Clin Psychol 36:245-7, Apr 71
Denominational membership, expression of religious sentiments and status upon admission to a psychiatric hospital. Siskind G. Ment Hyg 55:246-7, Apr 71
The Jew as sacrificial victim. Schick A. Psychoanal Rev 58:75-89, Spring 71
The sin-neurotic complex: perspectives in religion and psychiatry. Waldman RD. Psychoanal Rev 57:143-52, 1970
Dogmatism correlation with strength of religious conviction. Di Giuseppe RA. Psychol Rep 28:64, Feb 71
Religious beliefs and self-disclosure. Jennings FL. Psychol Rep 28:193-4, Feb 71
The MMPI and perseverance in the convent. Langston RD. Psychol Rep 27:811-4, Dec 70
Socialization and religiosity: a cross-national analysis of catholic adolescents. Weigert AJ, et al. Sociometry 33:305-26, Sep 70
[Variations, levels and formative stages of the phenomena of believing] Marchais P. Ann Med Psychol (Paris) 1:775-83, May 71 (Fre)
[Existential analytical psychotherapy and Christian belief] Kündig A. Ther Umsch 27:831-7, Dec 70 (Ger)
[On psychopathological disorders in members of a religious community] De Maria F, et al. Acta Neurol (Napoli) 26:79-86, Jan-Feb 71 (Ita)

HISTORY

Two Luthers: the traditional and the heretical in Freudian psychology. (Luther M), Domhoff GW. Psychoanal Rev 57:5-17, 1970

RELIGION AND SCIENCE (K)

Ethical aspects of "the final revolution": mind manipulation and Judaeo-Christian ethics. Vaux K. J Med Assoc Ga 59:447-51, Dec 70
Darin shares with Eve and Adam. Nature (Lond) 229:6-7, 1 Jan 71

RELIGION AND SEX (K)

A comparsion of biblical views of sexuality (or; could they have read the same book?). Bruess CE. J Sch Health 40:531-2, Dec 70
Sex, the Bible and modern man. Young RD. J Sch Health 40:527-31, Dec 70
[Hygiene and medicine in the Koran. Medical contributions to the history of the islamic peoples and cultures] Brandenburg D. Med Welt 23:978-83, 5 Jun 71 (Ger)

REMEDIAL TEACHING (F1, I)

Remedial reading in a pediatric clinic. Camp BW. Clin Pediatr (Phila) 10:36-42, Jan 71
The not so specific learning disability population. Adelman HS. Except Child 37:528-33, Mar 71
A behavior modification classroom for head start children with problem behaviors. Allen KE, et al. Except Child 37:119-27, Oct 70
Training consulting teachers to assist elementary teachers in the management and education of handicapped children. McKenzie HS, et al. Except Child 37:137-43, Oct 70
The timer-game: a variable interval contingency for the management of out-of-seat behavior. Wolf MM, et al. Except Child 37:113-7, Oct 70
The meaning of volunteer services in schools--to the educator and to the older adult. Freund JW. Gerontologist 11:205-8, Autumn 71
IQs of negro Head Start children on the Vane Kindergarten Test. D'Angelo R, et al. J Clin Psychol 27:82-3, Jan 71
Feasibility of Cloze techniques for teaching and evaluating culturally disadvantaged beginning readers. Kingston AJ, et al. J Soc Psychol 82:205-14, Dec 70
Developmental dyslexia in adults. Perlo VP, et al. Neurology (Minneap) 20:379, Apr 70
RIPS: a remedial instruction program. De Frank JL. Nurs Outlook 19:180-1, Mar 71
Children in a world apart? Sampson O. Spec Educ 60:8-9, Jun 71

RENAL ARTERY (A7)

Effect of venoarterial pulsatile partial bypass on the coronary, renal and mesenteric circulations in cardiogenic shock. Lang TW, et al. Am J Cardiol 27:41-5, Jan 71
Phasic renal artery blood flow velocity in man during cardiac arrhythmias. Benchimol A, et al. Am J Med Sci 261:161-6, Mar 71
Renal arteriovenous fistula as a cause of hypertension. McAlhany JC Jr, et al. Am J Surg 122:117-20, Jul 71
Paradoxical catheter embolism. Nash G, et al. Arch Surg 102:213, Mar 71
Hypertension and dissecting aneurysm of the renal artery. Perry MO. Arch Surg 102:216-7, Mar 71
Effect of renal vasodilatation on the distribution of cortical blood flow in the kidney of the dog. Stein JH, et al. J Clin Invest 50:1429-38, Jul 71
The effect on urinary calcium excretion of infusions of a renal extract into the renal artery of the dog. Wilson RJ, et al. J Endocrinol 46:13-4, Feb 70
Renal artery aneurysm. Report of a case with associated hypertension. Green JD. J Okla State Med Assoc 63:102-5, Mar 70
Polyarteritis and intrarenal renal artery aneurysms. Dornfeld L, et al. JAMA 215:1950-2, 22 Mar 71
Congenital abdominal coarctation with renal artery hypoplasia, hypertension and rheumatoid arthritis. Nagaratnam N, et al. Postgrad Med J 46:581-4, Sep 70
Renal artery aneurysms and hypertension. Vaughan TJ, et al. Radiology 99:287-93, May 71
Renal artery thrombosis due to closed trauma. Evans A, et al. Trans Am Assoc Genitourin Surg 62:40-6, 1970
[Problems in the treatment of hypertensive patients with disorders of both kidney arteries] Boer HH de, et al. Ned Tijdschr Geneeskd 115:247-50, 6 Feb 71 (Dut)
[An unusual cause of varicocele: probable explanation for left laterality of varicocele] Staelens R. Acta Urol Belg 38:333-6, Jul 70 (Fre)
[Renal artery aneurysm after nephrectomy] Arvis G, et al. Ann Urol (Paris) 3:81-3, May 69 (Fre)
[Renal embolism: diagnosis and treatment] Demol H. Brux Med 49:603-13, Oct 69 (Fre)
[A further study of congenital intrarenal arteriovenous fistula treated by partial nephrectomy] Bauchart J, et al. J Urol Nephrol (Paris) 77:634-40, Jul-Aug 71 (Fre)
[Spontaneous renal arteriovenous communication. A new case] Mercier R, et al. Presse Med 78:2019-21, 31 Oct 70 (Fre)
[Aneurysm of the renal artery in hypertensive patients. 42 cases] Tcherdakoff P, et al. Presse Med 79:123-8, 23 Jan 71 (Fre)
[Recurrent nephritic colic due to ureteral compression by the renal artery] Kamoun A, et al. Tunis Med 47:431-2, Nov-Dec 69 (Fre)
[Renal artery lesions in arterial hypertension] Milliez P, et al. Tunis Med 48:59-60, Jan-Feb 70 (Fre)
[Renal angiography in childhood] Kuffer F, et al. Helv Paediatr Acta 25:224-33, Jul 70 (Ger)
[Increased urinary renin excretion of ischemic kidneys in experimental unilateral stenoses of renal arteries in dogs] Hayduk K, et al. Klin Wochenschr 48:1124-6, 15 Sep 70 (Ger)
Renal artery rupture in Ehlers-Danlos syndrome] Heilmann K, et al. Z Kreislaufforsch 60:519-33, Jun 71 (Ger)
[Arterial circulation in the kidney of birds] Rosati P, et al. Acta Med Vet (Napoli) 16:305-33, Sep-Dec 70 (Ita)
[Nephrovascular arterial hypertension caused by aneurysm of the renal artery] Durand D, et al. Arch Ital Urol Nefrol 42:455-64, 1969 (Ita)
[Renal blood flow during desynchronized sleep in the cat] Baccelli G, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:329-32, 1968 (Ita)
[On a case of aneurysm of the left renal artery with vertebral lesions] Zacco R, et al. Atti Accad Med Lomb 23:267-74, Apr-Jun 68 (Ita)
[Renal arteriovenous fistula with hypertension: a case report] Komatsu K, et al. Jap J Clin Med 28:2887-92, Dec 70 (Jap)
[Case of juvenile hypertension caused by calcified renal artery aneurysm] Aida M, et al. Naika 28:334-9, 1971 (Jap)
[Renal function after acetylcholine injection into the renal artery] Tyburczyk M, et al. Acta Physiol Pol 21:629-38, Sep-Oct 70 (Pol)
[A modified method of catheterizing the renal artery] Totrova EA, et al. Fiziol Zh SSSR 56:292-3, Feb 70 (Rus)
[Case of arteriovenous fistula of the renal vessels] Ivanov AV, et al. Vestn Rentgenol Radiol 45:96-8, Nov-Dec 70 (Rus)
[Renal angiomyolipoma associated with fibromuscular dysplasia. An uncommon cause of retroperitoneal hemorrhage] Montero García A, et al. Rev Clin Esp 117:181-6, 30 Apr 70 (Spa)
[Aneurysm of the renal artery in a solitary kidney] Roura AH. Rev Clin Esp 121:389-90, May 71 (Spa)

ABNORMALITIES

Essential hypertension and multiple renal arteries. Nomura G, et al. Am Heart J 81:274-80, Feb 71
Anomaly of the right crus of the diaphragm involving the right renal artery. Martin DC Jr. Am J Surg 121:351-4, Mar 71
Aneurysms of the abdominal aorta with special problems. Kilgore TL Jr, et al. Am Surg 37:238-44, Apr 71
The accessory artery in essential hypertension. Ooi BS, et al. Postgrad Med J 47:197-8, Apr 71
Kidney transplantation from living donors with bilateral double renal arteries. Simmons RL, et al. Surgery 69:201-7, Feb 71
[Atypical ureteral impression caused by crossing vessel] Fussek H, et al. Fortschr Geb Roentgenstr Nuklearmed 114:129-30, Jan 71 (Ger)
[The importance of supernumerary renal arteries] Arinci K. Gegenbaurs Morphol Jahrb 112:407-29, 1968 (Ger)
[Kidney vessel abnormalities] Borander U. Nord Med 85:411, 1 Apr 71 (Nor)
[Technic of transplantation of the kidney with duplicate renal arteries] Shumakov VI, et al. Khirurgiia (Mosk) 47:112-5, Jan 71 (Rus)

ANATOMY & HISTOLOGY

[The ramifications of the renal artery in relationship to the arterial blood supply of the renal parenchyma. Problem of the so-called renal segments] Poisel S, et al. Acta Anat (Basel) 76:516-29, 1970 (Ger)
[Angionephrometry in vascular renal hypertension. Relative diameter of renal arteries] Milewicz Z, et al. Pol Przegl Radiol 34:547-52, Jul-Aug 70 (Pol)

DRUG EFFECTS

Improved immediate function of experimental cadaver renal allografts by elimination of agonal vaospasm. Pryor JP, et al. Br J Surg 58:184-7, Mar 71
Redistribution of cortical blood flow during renal vasodilatation in dogs. McNay JL, et al. Circ Res 27:1023-32, Dec 70
Role of Ca2+ and Mg2+ in contractile effect of ATP on isolated perfused renal artery. Hrdina PD, et al. Eur J Pharmacol 12:249-52, Oct 70
Use of in vivo magnification renal arteriography to study cadmium effects on vasoactive responses. Thind GS, et al. Radiology 99:279-86, May 71
[Spontaneous motility of isolated renal arteries and methoxyflurane] Cassiano O, et al. Minerva Anestesiol 35:1271-3, Dec 69 (Ita)

ENZYMOLOGY

[The activity of various enzymes in the musculature of human blood vessel walls under normal conditions and in hypertension] Mikhailova IA, et al. Biull Eksp Biol Med 67:62-5, Jun 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

INJURIES

Renal artery thrombosis following minor trauma. Patel SC. J R Coll Surg Edinb 15:337-42, Nov 70
Renal pedicle injuries. Guerriero WG, et al. J Trauma 11:53-62, Jan 71
[Angiographic diagnosis of traumatically induced intima invagination in the renal artery] Beduhn D. Fortschr Geb Roentgenstr Nuklearmed 112:829-30, Jun 70 (Ger)
[Unilateral kidney artery thrombosis with acute hypertension caused by accidents] Lenz P, et al. Monatsschr Unfallheilkd 74:338-41, 1971 (Ger)

PATHOLOGY

Ultrastructural changes in renal arterioles and juxtaglomerular cells in hypertension. Fisher ER. Am Heart J 81:125-35, Jan 71
Renal arterial calibre after acute unilateral ureteric occlusion. Rothfield NJ. Australas Radiol 14:194-6, May 70
Ultrastructural study of arteriolar lesions in human kidney: concerning the histogenesis of hyaline necrosis and other media-alterations. Takebayashi S, et al. Beitr Pathol 144:1-22, Aug 71
Renal vasculature and hypertensive mechanisms. Histological aspects. Simpson FO. Circ Res 27:Suppl 2:235+, Oct 70
Electron microscopy of renal arteries after partial aortic constriction. Shortland JR, et al. J Pathol 101:P8, Aug 70
Human renal allografts. The role of vascular injury in early graft failure. Busch GJ, et al. Medicine (Baltimore) 50:29-83, Jan 71 (81 ref.)
[Structure of the wall of major arteries after gravitational overloading in a cranio-caudal direction] Bardina RA. Arkh Anat Gistol Embriol 59:52-9, Jul 70 (Rus)

PHYSIOLOGY

Permanent hypertension induced by ligation of one renal artery in the dog. Fekete A. Acta Med Acad Sci Hung 27:191-204, 1970
Relationship between renal artery perfusion pressure and tubular sodium reabsorption. Aperia AC, et al. Am J Physiol 220:1205-12, May 71
Direct and reflex vascular effects of intra-aortic balloon counterpulsation in dogs. Feola M, et al. Am J Physiol 221:748-53, Sep 71
The escape of the renal blood flow response during sympathetic nerve stimulation. Johansson B, et al. Angiologica 7:333-43, 1970
The low frequency input impedance of the renal artery. Kenner T, et al. Pfluegers Arch 324:155-64, 1971
[Demonstration of a beta adrenergic dilatation of renal vessels in the awake dog] Hardt D, et al. Pfluegers Arch 327:152-66, 1971 (Ger)
[Effect of clamping the renal artery and vein on the renal function in dogs] Pytasz M, et al. Acta Physiol Pol 21:639-56, Sep-Oct 70 (Pol)
[Magnesium excretion by the dog kidney following administration into the renal artery] Vasil'eva VF, et al. Biull Eksp Biol Med 70:19-22, Jul 70 (Rus)

PHYSIOPATHOLOGY

Poststenotic dilatation in renal arteries: preliminary report. Roach MR, et al. Invest Radiol 5:311-5, Sep-Oct 70
[Arterial hypertonia and kidney vessel impressions] Paulick J. Dtsch Gesundheitsw 25:1629-33, 27 Aug 70 (Ger)

RADIOGRAPHY

Experimental study of tubular lesions and chronic renal failure caused by selective renal arteriography in the dog. Lélek I. Acta Chir Acad Sci Hung 11:299-301, 1970
Renal angiography in the follow-up examination of toxaemia of late pregnancy. Koskela O, et al. Acta Obstet Gynecol Scand 50:41-3, 1971
Spontaneous closure of arteriovenous fistulae following percutaneous renal biopsy. An experimental investigation in the rabbit. Ekelund L. Acta Radiol [Diagn] (Stockh) 11:289-94, May 71
Arteriovenous fistulae following percutaneous renal biopsy. Ekelund L, et al. Acta Radiol [Diagn] (Stockh) 11:38-48, Jan 71
Angiographic appearance of the canine kidney in acute hemorrhagic shock--modification by saline infusion, THAM infusion, and reinfusion of blood. Meng CH, et al. Am J Roentgenol Radium Ther Nucl Med 111:716-28, Apr 71
Neurofibromatosis of the renal artery. Allan TN, et al. Br J Radiol 43:906-8, Dec 70
Congenital multi-cystic disease in the adult. Becker JA, et al. J Can Assoc Radiol 21:165-8, Sep 70
Xanthogranulomatous pyelonephritis--radiologic considerations. Strasberg Z, et al. J Can Assoc Radiol 21:173-7, Sep 70
Selective renal arteriography in renal lymphoma. Kursh ED, et al. J Urol 105:772-5, Jun 71
Renal leiomyosarcoma: a case report with angiographic findings. Ziter FM Jr, et al. J Urol 105:776-8, Jun 71
Significance of delayed or prolonged opacification of the renal arterial system. Mitty HA, et al. Mt Sinai J Med NY 38:390-9, Jul-Aug 71
Rena carcinoma demonstrated by postepinephrine arteriography following normal selective arteriograms. Castellino RA. Radiology 97:607-8, Dec 70
Dissecting aneurysm of the renal artery. Hare WS, et al. Radiology 97:255-63, Nov 70
The renal angiographic changes in scleroderma. Lester PD, et al. Radiology 99:517-21, Jun 71
The Trueta phenomenon. Katsube Y, et al. Yonago Acta Med 14:171-3, Dec 70
[Contribution of selective arteriography to the diagnosis of kidney injuries. Apropos of 20 cases] Lamarque JL, et al. Ann Radiol (Paris) 14:27-36, Jan-Feb 71 (Fre)
[Correlation between high resolution renal arteriography and microradiography of anatomic specimens. I. Anatomic recall. Technic and study material] Plainfossé MC, et al. Ann Radiol (Paris) 13:681-91, 1970 (Fre)
[Angiography in preoperative evaluation in urology] Dochez C, et al. J Belge Radiol 52:293-5, Nov-Dec 69 (Fre)
[Selective renal angiography in survey of traumatic kidney lesions (4 cases)] Clément JP, et al. J Radiol Electrol Med Nucl 51:353-9, Jun-Jul 70 (Fre)
[Right renal arteriovenous anerysm] Gras H, et al. J Radiol Electrol Med Nucl 50:301-2, May 69 (Fre)
[Arteriographic diagnosis of a small adenoma of the kidney] Rampal M, et al. J Urol Nephrol (Paris) 77:311-4, Mar 71 (Fre)
[Radiologic semeiology of renal and para-renal tumors] Gasquet C, et al. Presse Med 78:1887-90, 17 Oct 70 (Fre)
[Angiographic diagnosis of traumatically induced intima invagination in the renal artery] Beduhn D. Fortschr Geb Roentgenstr Nuklearmed 112:829-30, Jun 70 (Ger)
[Selective serial renal angiography for the assessment of morphology and therapy of renal tuberculosis] Heinze HG, et al. Fortschr Geb Roentgenstr Nuklearmed 114:758-71, Jun 71 (Ger)
[Influence of renal arteriography on the kidney function, selective catheterization and injection. Experiments on dogs I] Lélek I. Fortschr Geb Roentgenstr Nuklearmed 114:26-32, Jan 71 (Ger)
[Serial nephroangiographic examinations of the kidney in exsiccotic dogs] Bogsch A, et al. Radiol Diagn (Berl) 11:231-40, 1970 (Ger)
[The value of the nephrographic phase of selective renal arteriography in the diagnosis of congenital polycystic renal diseases] Costa RP, et al. Radiol Diagn (Berl) 11:123-8, 1970 (Ger)
[Experimental renal angiography] Lavender JP, et al. Roentgenpraxis 24:110-3, May 71 (Ger)
[Transvenous renal aorto-arteriography] Antognetti PF, et al. Minerva Cardioangiol 17:217-22, Apr 69 (Ita)
[Angiographic study of the changes in arterial circulation in the kidney in the course of compensatory hypertrophy. Preliminary note] Cavina C, et al. Nunt Radiol 34:855-68, Sep 68 (Ita)
[Renal arterial embolism and the Trueta's phenomenon following renal arteriography] Katsube Y, et al. Rinsho Hoshasen 16:119-22, Feb 71 (Jap)
[Renal arteriovenous fistula caused by arteriovenous malformation] Watanabe T, et al. Rinsho Hoshasen 16:137-43, Feb 71 (Jap)

SURGERY

Rigid clip for standardized hypertension in the rabbit. Brooks B, et al. J Appl Physiol 31:307-8, Aug 71
Electron microscopic observations of renal damage following renal pedicle occlusion: an experimental study. Okada K. J Urol 105:758-64, Jun 71
Aorto-renal bypass complicated by ureteral fistula. Rhame RC. J Urol 105:628-30, May 71
Renal artery aneurysm. Rhodes JF, et al. J Urol 105:155-7, Feb 71
Aortic aneurysms involving the origin of the renal arteries: a simple solution to a complicated problem. Robicsek F, et al. Surgery 70:425-7, Sep 71
The saphenous vein bypas graft in the treatment of renovascular hypertension. Straffon RA, et al. Trans Am Assoc Genitourin Surg 62:47-58, 1970
[Case of renal artery aneurysm] Lavigne JC, et al. Acta Chir Belg 68:423-7, Sep 69 (Fre)
[Reduction of the duration of renal ischemia by internal shunt in reimplantation of the renal arteries] Raso MA, et al. Presse Med 79:1503-4, 3 Jul 71 (Fre)
[Experimental replacement of the renal arteries with free arterial autograft] Kolesov VI, et al. Eksp Khir Anesteziol 15:51-5, Mar-Apr 70 (Rus)

TRANSPLANTATION

A new method of renal artery reconstruction. Belzer FO, et al. Surgery 68:619-24, Oct 70

RENAL ARTERY OBSTRUCTION (C8)

Current concepts in the study of the aortic arch and brachiocephalic vessels. A clinical and pathological study of 300 cases, including surgical results. Endlich HL ROSCHER AA. Int Surg 55:32-41, Jan 71
Experimental renal infarctions in dogs. Lalli AF, et al. Invest Urol 8:516-20, Mar 71
Prognostic value of radioisotopic renal function studies for selecting patients with renal arterial stenosis for surgery. Farmelant MH, et al. J Nucl Med 11:743-8, Dec 70
Experimental occlusion of the renal circulation in the dog. Aimgård LE, et al. Scand J Urol Nephrol 5:268-72, 1971
[Acute obliteration of the renal artery] Lacombe M, et al. J Urol Nephrol (Paris) 76:625-37, Jul-Aug 70 (Fre)
[Reno-arterial hypertension in childhood (case report and review of literature)] Stein J, et al. Paediatr Grenzgeb 9:87-100, 1970 (Ger)
[Special features of fibromuscular renal artery dysplasia] Lopatkin NA, et al. Z Urol Nephrol 64:161-8, Mar 71 (Ger)
[Acute hypertension in Goldblatt phenomenon] Wiontzek H. Z Urol Nephrol 64:169-70, Mar 71 (Ger)
[Aneurysm of the renal artery] Janisch K, et al. Zentralbl Chir 95:1253-7, 24 Oct 70 (Ger)

BLOOD

[Significance of studying blood serum lipid content for evaluating the nature of damage to major renal vessels] Lobova NM, et al. Kardiologiia 11:50-3, 1971 (Rus)

CHEMICALLY INDUCED

[Experimental thromboembolism of renal arteries in the dog] Bost J, et al. C R Soc Biol (Paris) 164:1539-42, 1970 (Fre)

CLASSIFICATION

Pathologic classification of renal arterial disease in renovascular hypertension. Harrison EG Jr, et al. Mayo Clin Proc 46:161-7, Mar 71
[Renal artery stenoses and their parenchymatous repercussion] Barge J, et al. Ann Anat Pathol (Paris) 16:61-72, Jan-Mar 71 (Fre)

COMPLICATIONS

The occurrence of hyperaldosteronism in uncomplicated essential hypertension and in hypertension with renal artery stenosis. Kloppenborg PW, et al. Acta Endocrinol [Suppl] (Kbh) 155:176, 1971
Abdominal aortitis with stenosis (Takayasu's disease) and occlusive superior mesenteric arteritis associated with renal artery stenosis and hypertension. Case report and review of the literature. Kirshbaum JD. Am Heart J 80:811-5, Dec 70
Management of hypertension of renal origin. Hunt JC, et al. Am J Cardiol 26:280-8, Sep 70
Abdominal coarctation and hypercholesterolemia. Anthopoulos LP, et al. Angiology 22:184-7, Apr 71
Multiple pathology in a unilateral supernumerary kidney. Browne MK, et al. Br J Surg 58:73-6, Jan 71
Observations on several experimental models of hypertension in mice. Ebihara A, et al. Jap Heart J 12:275-80, May 71
Malignant hypertension, abdominal aortic aneurysm, and renal-artery occlusion. Lowenthal MN, et al. Lancet 1:295, 6 Feb 71
Hypertension due to vascular lesions in neurofibromatosis. Aquino MA, et al. South Med J 64:756-7, Jun 71
[Problems in the treatment of hypertensive patients with disorders of both kidney arteries] Boer HH de, et al. Ned Tijdschr Geneeskd 115:247-50, 6 Feb 71 (Dut)
[Proximal polystenosis of the trunks of the aortic arch and the abdominal aorta in a 45-year-old woman] Godefroid M, et al. Acta Cardiol (Brux) 25:86-99, 1970 (Fre)
[Renal artery stenoses and their parenchymatous repercussion] Barge J, et al. Ann Anat Pathol (Paris) 16:61-72, Jan-Mar 71 (Fre)
[Surgical treatment of arterial hypertension of determined etiology aortic coarctation excluded] Fontan F, et al. Bord Med 4:1877-80, Jun 71 (Fre)
[Renovascular arterial hypertension] Schwartz J, et al. Bord Med 4:1759-60 passim, Jun 71 (Fre)
[Arterial hypertension due to right renal artery stenosis: vascular prosthesis; normal delivery at term] Landes P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:321-2, Jun-Aug 69 (Fre)
[Systemic hypertension and multiple arterial stenosis in a child with a normal morphotype] Coumel P, et al. Coeur Med Interne 9:527-30, Oct 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Renovascular hypertension with multiple stenoses of the visceral aortic branches] Baert AL.
J Belge Radiol 53:355-63, Sep-Oct 70 (Fre)
[Renal artery stenosis from the internist's point of view] Buchborn E.
Munch Med Wochenschr 113:65-7, 15 Jan 71 (Ger)
[The renal glomerulus during arterial hypertension: ultrastructural changes during renovascular hypertension] Onida L, et al.
Atti Accad Med Lomb 23:333-9, Apr-Jun 68 (Ita)
[Influence of the sympathetic nervous system in reno-vascular hypertension] Guazzi M.
Boll Soc Ital Biol Sper 45:368-71, 31 Mar 69 (Ita)
[Arterial hypertension caused by bilateral lesions of the renal arteries. (Obstruction on one side and stenosis on the other)] Del Gaudio A, et al.
Bull Sci Med (Bologna) 142:51-6, Jan-Mar 70 (Ita)
[Nephrovascular hypertension] Pastore E, et al.
Minerva Anestesiol 36:561-74, Sep 70 (Ita)
[Prognostic value of the Arfonad hypotension test in nephrovascular hypertension] Faraglia V, et al.
Minerva Chir 26:760-3, 31 Jul 71 (Ita)
[Renal arterial stenosis and arterial hypertension in the course of generalized atherosclerosis in middle-aged men] Wermut W, et al.
Pol Tyg Lek 26:790-2, 24 May 71 (Pol)
[Value of renin determination and of the angiotensin test in the diagnosis of renovascular hypertension] Păun R, et al.
Med Interna (Bucur) 23:443-52, Apr 71 (Rum)
[Some features of fibromuscular dysplasia of the renal artery leading to vasorenal hypertension] Mazo EB.
Kardiologiia 10:24-9, Nov 70 (Rus)
[Renovascular hypertension in childhood] Khundadze SSh. Pediatriia 49:56-9, Aug 70 (Rus)
[Acute hepatic and mesenteric ischemia with thrombosis of the subrenal aorta. Apropos of a case treated by surgery] Hivet M, et al.
Rev Esp Enferm Apar Dig 32:687-98, 15 Nov 70 (Spa)

DIAGNOSIS

Renography with radiohippuran in the diagnosis of nephrovascular hypertension. Modifications induced by pharmacological stimuli and by water load. Pavoni P, et al. Acta Urol Belg 36:71-8, Jan 68
Patency of major renal vascular pathways demonstrated by rapid blood flow scintiphotography. Freeman LM, et al. J Urol 105:473-81, Apr 71
The scintillation camera in embolic acute renal failure. Hartenbower DL, et al. J Urol 104:799-802, Dec 70
Renovascular hypertension: the diagnostic value of renal vein renin ratios. Simmons JL, et al.
J Urol 104:497-501, Oct 70
Renal allograft rejection simulated by arterial stenosis. Simmons RL, et al. Surgery 68:800-4, Nov 70
Studies on patients with renal artery stenosis (the diagnostic value of plasma renin activity measurements). Kirkendall WM, et al.
Trans Am Clin Climatol Assoc 82:101-13, 26 Oct 70 (18 ref.)
[Qualitative and quantitative contribution of nephrograms in some clinical entities. 2. Renal arterial stenosis, nephritis in general] Swyngedauw J, et al.
J Radiol Electrol Med Nucl 51:1-13, Jan-Feb 70 (Fre)
[Arterial hypertension of renovascular origin] Béroniade V, et al.
J Urol Nephrol (Paris) 77:417-23, Apr-May 71 (Fre)
[Comparison of current means of diagnosis and prognosis of renovascular hypertension. Apropos of 28 cases] Fontenaille C, et al.
J Urol Nephrol (Paris) 77:399-404, Apr-May 71 (Fre)
[Isotope nephrogram in the diagnosis of renal artery stenosis] Jochem B, et al.
Med Klin 65:1662-7, 18 Sep 70 (Ger)
[New possibilities in the radioisotope diagnosis of renovascular hypertension] Ziliotto D, et al.
Acta Isot (Padova) 8:325-39, 15 Dec 68 (Ita)
[Separate kidney function in diagnosis of monolateral nephropathies. Studies of 47 cases] Campolo L, et al.
Minerva Med 62:1885-95, 9 May 71 (Ita)
[Induced hypotension test in the study of nephrovascular hypertension. Comparison of renographic findings with separate renal function tests] Sampietro G, et al.
Nunt Radiol 34:1689-95, Dec 68 (Ita)
[Radionephrography in the diagnosis of nephrovascular hypertension. 134 cases] Semprebene L, et al. Nunt Radiol 34:1559-85, Dec 68 (Ita)
[Diagnosis of vasorenal hypertension] Mazo EB.
Urol Nefrol (Mosk) 35:11-7, Nov-Dec 70 (Rus)
[Unilateral renal vascular disease in children] Cambiano C, et al.
Prensa Med Argent 57:1618-26, 23 Oct 70 (Spa)

DRUG THERAPY

[Attempted treatment of renal vascular obstruction by streptokinase in 2 anuric patients] Mignon F, et al.
Ann Med Interne (Paris) 120:661-8, Oct 69 (Fre)
[Recanalization after bilateral renal artery thrombosis using streptokinase therapy] Streicher E, et al.
Dtsch Med Wochenschr 96:1086-9 passim, 18 Jun 71 (Ger)

ETIOLOGY

Renal artery dysplasia with hypertension in neurofibromatosis. Bourke E, et al.
Br Med J 3:681-2, 18 Sep 71
Renal artery thrombosis due to closed trauma. Evans A, et al. J Urol 105:330-4, Mar 71
Renal ischemia and hypertension from a constrictive perirenal hematoma. Hellebusch AA, et al.
JAMA 214:757-9, 26 Oct 70
Renal artey stenosis in renal transplantation. Morris PJ, et al. Med J Aust 1:1255-7, 12 Jun 71
[Traumatically induced necrotization of the kidney] Varga B. Z Urol Nephrol 62:249-54, 1969
[Arteriopathy of the Takayasu type] Perrin A, et al.
Ann Cardiol Angeiol (Paris) 19:315-26, Oct-Dec 70 (Fre)
[Malacia of the spinal cord and renal artery embolism as rare complications after aorta prostheses] Mairose UB, et al. Angiologica 7:246-56, 1970 (Ger)
[Renal artery occlusion during angiography] Büren U von, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:23-6, Jan 71 (Ger)
[Transitory total obstruction of a main renal artery during arteriography] Kammerer V, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:843-6, Jun 71 (Ger)
[Nephrovascular arterial hypertension caused by aneurysm of the renal artery] Durand D, et al.
Arch Ital Urol Nefrol 42:455-64, 1969 (Ita)
[New etiopathogenetic opinions concerning nephrovascular arterial hypertension] Durand D, et al. Cardiol Prat 21:269-71, Aug 70 (Ita)
[Arterial hypertension following kidney and urinary tract surgery] Zieliński J.
Wiad Lek 23:1887-9, 1 Nov 70 (4 ref.) (Pol)

METABOLISM

Renal lactate and pyruvate metabolism in dogs after graded renal ischemia. Flatmark AL, et al.
Invest Urol 9:25-30, Jul 71
[Further data on the metabolism of sodium in the economy of the body and in some clinical states] Dimitriu CG, et al.
Med Interna (Bucur) 22:1155-63, Oct 70 (Rum)

MORTALITY

Renal artery stenosis and hypertension. II. Mortality in operated patients compared with the mortality in individually matched medically treated patients with cryptogenetic hypertension. Kjellbo H, et al.
Scand J Urol Nephrol 4:43-7, 1970

OCCURRENCE

[Incidence of diabetes in renal artery with stenosis or without hypertension] Singer P, et al.
Dtsch Gesundheitsw 28:1149-51, 24 Jun 70 (Ger)
[Incidence of diabetes in renal artery with stenoses or without hypertension] Singer P, et al.
Dtsch Gesundheitsw 25:1149-51, 24 Jun 70 (Ger)

PATHOLOGY

Electron microscopic observations of renal damage following renal pedicle occlusion: an experimental study. Okada K. J Urol 105:758-64, Jun 71

PHYSIOPATHOLOGY

The effect of blood loss on renal function after temporary occlusion of the renal artery in the dog. Szántó G, et al. Acta Chir Acad Sci Hung 11:341-8, 1970
Spontaneous reestablishment of renal function after complete occlusion of a renal artery. Dobrzinsky SJ, et al. Arch Intern Med 128:286-8, Aug 71
The effects of hypoxia and ischemia on erythropoietin and renin release in dogs. Murphy GP, et al.
Invest Urol 8:521-5, Mar 71
Effects of intermittent versus continuous renal arterial occlusion on hemodynamics and function of the kidney. Wilson DH, et al. Invest Urol 8:507-15, Mar 71
Acute changes in renal size in normal and hypertensive dogs. Shultz ML. J Urol 104:629-34, Nov 70
Differential renal function studies in segmental renal ischemia. Fair WR, et al. JAMA 217:790-3, 9 Aug 71
The renal response to dextran 40 in dogs with renal artery constriction. Diomi P, et al.
Surgery 69:256-62, Feb 71
[Structure and function of the juxtaglomerular apparatus. Quantitative light-optical studies on juxtaglomerular apparatus and macula densa of kidneys from patients with primary hyperaldosteronism, renal artery stenosis, pseudo-Bartter-syndrome and morbus Addison] Helber A, et al.
Dtsch Med Wochenschr 95:2280-8, 6 Nov 70 (Ger)
[Importance of the adrenergic system in experimental renovascular hypertension] Guazzi M.
Atti Accad Fisiocrit Siena [Med Fis] 17:569-94, 1968 (Ita)
[Renal split function studies in patients with arterial hypertension and stenosis of the renal artery] Filipecki S, et al.
Pol Arch Med Wewn 45:521-9, Oct 70 (Pol)

RADIOGRAPHY

Renal arterial embolization. Schoenbaum S, et al.
Angiology 22:332-43, Jun 71
Poststenotic dilatation in renal arteries: preliminary report. Roach MR, et al.
Invest Radiol 5:311-5, Sep-Oct 70
Antegrade flow in extrarenal arteries arising distal to renal artery stenosis. Another aid in evaluating hemodynamic significance. Gersten BE, et al.
Radiology 98:93-6, Jan 71
[Possibilities of preoperative evaluation of functional importance of renal artery stenosis by means of the catheterization method] Beránek I, et al.
Cesk Radiol 25:89-97, May 71 (Cze)
[Evaluation of 90 arteriographic examinations for arterial hypertension] Gasquet C, et al.
Bord Med 3:2887-8 passim, Dec 70 (Fre)
[Diagnostic and prognostic value of intravenous urography in renovascular hypertension] Fournier A, et al. Coeur Med Interne 10:233-46, Apr-Jun 71 (Fre)
[Collateral circulation in stenosis of the renal arteries. Angiographic study] Tongio J, et al.
J Radiol Electrol Med Nucl 52:7-12, Jan-Feb 71 (Fre)
[Urotomography with wash-out in the diagnosis of renal artery stenosis] Tréheux A, et al.
J Radiol Electrol Med Nucl 52:265-70, May 71 (Fre)
[What is the significance of the arteriographic discovery of stenosis in pheochromocytoma] Ecoiffier J, et al. Presse Med 78:2325-8, 5 Dec 70 (Fre)
[Renovascular hypertension. I. Comparison of the different examinations and tests for detection. Superiority of intravenous urography] Fournier A.
Presse Med 79:903-10, 21 Apr 71 (Fre)
[Practical experiences with 312 nephroangiographied patients with hypertension. A contribution to renovascular hypertension] Lohmann FW, et al.
Arch Kreislaufforsch 63:90-121, Sep-Oct 70 (Ger)
[Importance of early radiography in intravenous urogram for the diagnosis of renal artery stenosis] Günther H, et al.
Dtsch Gesundheitsw 25:2032-6, 22 Oct 70 (Ger)
[Radiologic contribution on the demonstration of arteriovenous shunts in the kidney] Bogsch A, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:138-41, Aug 70 (Ger)
[Arterial compression effect on the kidney pelvis-calyx system, along with remarks on the work of H. Langhammer and G. Hör in the Fortsch Röntgenstr 111 (1969), 383] Tille D.
Fortschr Geb Roentgenstr Nuklearmed 112:693-4, May 70 (Ger)
[Thrombosis of the renal artery diagnosed in vivo] Földi J. Z Urol Nephrol 63:117-23, Feb 70 (Ger)
[Collateral circulation in obstructive lesions of the renal artery: angiographic and urographic aspects] Sarti G, et al. Nunt Radiol 34:1789-810, Dec 68 (Ita)
[Angiographic and urographic diagnosis of nephro-vascular hypertension] Sarti G, et al.
Nunt Radiol 34:1519-29, Dec 68 (Ita)
[Obstruction of the superior calix infundibulum of vascular origin] Godoy F.
Rev Venez Urol 22:79-83, Jan-Jun 70 (Spa)

SURGERY

Coarctation of the abdominal aorta. Etiologic considerations in surgical management. Huang TT, et al. Am J Surg 120:596-601, Nov 70
Hypertension and the solitary ischemic kidney. Alpert J, et al. Ann Surg 173:450-4, Mar 71
The role of heparin in prolonging acute renal ischemia time. Fegen JP, et al. Invest Urol 9:16-20, Jul 71
Treatment of renal artery stenosis using hypogastric artery autografts. Kaufman JJ, et al.
J Urol 106:9-14, Jul 71
Renal artery stenosis. 3. Follow-up observations in operated and non-operated patients. Kjellbo H, et al.
Scand J Urol Nephrol 4:49-57, 1970
The surgical treatment of renal artery embolism with anuria. Lacombe M.
Surg Gynecol Obstet 133:419-24, Sep 71
Autotransplantation of the kidney in the treatment of renovascular hypertension. Clunie GJ, et al.
Surgery 69:326-31, Mar 71
New techniques in the treatment of extensive fibromuscular disease involving the renal arteries. Fry WJ, et al. Surgery 68:959-67, Dec 70
[Possibilities of preoperative evaluation of functional importance of renal artery stenosis by means of the catheterization method] Beránek I, et al.
Cesk Radiol 25:89-97, May 71 (Cze)
[Apropos of 25 cases of renovascular arterial hypertension treated by revascularization] Schoevaerdts JC.
Acta Chir Belg 69:85-116, Feb 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Renovascular arterial hypertension. II. Comparison of different studies allowing one to foresee the effect of surgery on the hypertension. I.] Fournier A. Presse Med 79:1209-19, 26 May 71 (Fre)
[Complete occlusion of the renal artery: nephrectomy or revascularization?] Hallwachs O, et al. Dtsch Med Wochenschr 96:53-8 passim, 8 Jan 71 (Ger)
[Functional diagnosis and late results in surgically treated hypertensive patients with renal artery stenosis] Lohmann FW, et al. Dtsch Med Wochenschr 96:1347-54 passim, 20 Aug 71 (Ger)
[Acute, reversible, contralateral kidney failure following unilateral renal artery reconstruction] Ammann J, et al. Langenbecks Arch Chir 322:954-8, 1968 (Ger)
[Renal artery stenosis. Surgical indications and possibilities--late results] Heberer G. Munch Med Wochenschr 113:68-72, 15 Jan 71 (Ger)
[Surgical treatment of renal artery stenosis] Vollmar J, et al. Thoraxchirurgie 19:52-67, Feb 71 (Ger)
[Autotransplantation of the kidney as a surgical treatment of renal hypertension in renal artery stenosis] Dettmar H. Urologe 9:277-8, Sep 70 (Ger)
[Vital indication for surgery of kidney artery stenosis] Neugebauer J, et al. Z Urol Nephrol 63:203-9, 1970 (Ger)
[Renal autotransplantation as treatment of renal arterial stenosis] Martínez-Piñeiro JA, et al. Rev Clin Esp 117:359-70, 31 May 70 (Spa)

THERAPY

[Ischemia tolerance of the kidney following renal artery embolism] Kirchhoff PG, et al. Med Klin 65:1667-71, 18 Sep 70 (Ger)

URINE

Urinary renin and norepinephrine excretion in dogs after unilateral renal artery constriction. Hayduk K, et al. Experientia 27:277-8, 15 Mar 71
Urinary acidification and electrolyte excretion in renal hypertensive rats. Guignard JP, et al. Nephron 7:430-46, 1970

VETERINARY

Atypical saddle block embolism in a cat. Borst LM, et al. Vet Med Small Anim Clin 65:1150, Dec 70

RENAL ARTERY STENOSIS see under RENAL ARTERY OBSTRUCTION (C8)

RENAL CALICES see under KIDNEY PELVIS (A5)

RENAL CORTICAL NECROSIS see KIDNEY CORTEX NECROSIS (C8)

RENAL FAILURE, ACUTE see KIDNEY FAILURE, ACUTE (C8)

RENAL FAILURE, CHRONIC see KIDNEY FAILURE, CHRONIC (C8)

RENAL PAPILLITIS, NECROTIZING see KIDNEY PAPILLARY NECROSIS (C8)

RENAL TUBULAR TRANSPORT, INBORN ERRORS (C6, C13)

[Primary and secondary hyperaminoaciduria in children (review of the literature)] Lebedev VP, et al. Vopr Okhr Materin Det 15:64-8, Nov 70 (29 ref.) (Rus)

COMPLICATIONS

[Bone diseases caused by tubular kidney diseases in adults] Camus JP, et al. Cah Med 12:609-12, 30 May 71 (Fre)

DIAGNOSIS

[Differential diagnosis of a case of polyuria and polydipsia] Niessner H, et al. Wien Klin Wochenschr 82:880-3, 4 Dec 70 (Ger)

ETIOLOGY

Modulation of experimental renal dysfunction of hereditary fructose intolerance by circulating parathyroid hormone. Morris RC Jr, et al. Proc Natl Acad Sci USA 68:132-5, Jan 71

THERAPY

[Treatment of congenital anomalies of renal tubular transport] Kitagawa T, et al. Clin Endocrinol (Tokyo) 19:23-32, Jan 71 (Jap)

RENAL VEINS (A7)

Cannulation of renal veins of sheep for long-term functional and metabolic studies. Kaufman CF, et al. Am J Vet Res 32:1103-7, Jul 71
Obstruction of the inferior vena cava with renal vein thrombosis. Report of a case in a 3-year-old boy, and review of the literature. Papaioannou AC, et al. Angiology 22:114-20, Mar 71
Renal sampling in the awake intact baboon. Reed PC, et al. Arch Surg 102:195-6, Mar 71
Renal vein thrombosis after transplantation. Figueroa JE, et al. Br Med J 1:288, 30 Jan 71
Renal blood flow and renin activity in renal venous blood in essential hypertension. Blaufox MD, et al. Circ Res 27:913-20, Dec 70
Surgical treatment of renal tumors penetrating into the great veins. Martinek JB. Int Surg 55:417-21, Jun 71
Congenital nephrotic syndrome and renal vein thrombosis in infancy. Alexander F, et al. J Clin Pathol 24:27-40, Feb 71
Bilateral renal vein thrombosis in infancy: report of a survivor following surgical intervention. Mauer SM, et al. J Pediatr 78:509-12, Mar 71
Unilateral renal vein thrombosis and nephrotic syndrome. Duncan AW, et al. J Urol 104:502-6, Oct 70
Renovascular hypertension: the diagnostic value of renal vein renin ratios. Simmons JL, et al. J Urol 104:497-501, Oct 70
Mechanism of extraction of angiotensin II in coronary and renal circulations. Osborne MJ, et al. Life Sci [I] 9:859-67, 1 Aug 70
Renal venous renin activity in renovascular hypertension. Van Way CW 3d, et al. Surg Forum 21:177-9, 1970
[Familial spontaneous spleno-renal anastomosis] Escat J, et al. Arch Fr Mal App Dig 59:597-600, Sep 70 (Fre)
[A further study of congenital intrarenal arteriovenous fistula treated by partial nephrectomy] Bauchart J, et al. J Urol Nephrol (Paris) 77:634-40, Jul-Aug 71 (Fre)
[Spontaneous renal arteriovenous communication. A new case] Mercier R, et al. Presse Med 78:2019-21, 31 Oct 70 (Fre)
[The importance of selective renal vein catheterization and renal vein venography] Than Z, et al. Fortschr Geb Roentgenstr Nuklearmed 113:141-7, Aug 70 (Ger)
[Renal vein thrombosis in newborn infants from blood coagulation analytic viewpoint. 5 clinical cases with the symptoms of consumption coagulopathy] Künzer W, et al. Helv Paediatr Acta 25:325-35, Jul 70 (Ger)
[Renal arteriovenous fistula with hypertension: a case report] Komatsu K, et al. Jap J Clin Med 28:2887-92, Dec 70 (Jap)
[Effect of bilateral prolonged stenosis of renal veins on the function and structure of the kidneys in rats] Krupa B, et al. Patol Pol 22:17-25, 1971 (Pol)
[Renal vein thrombosis] Meyrier A. Pol Arch Med Wewn 46:709-11, Jun 71 (Pol)
[Renal vein thrombosis with hemorrhagic necrosis of the kidney in newborns] Slowikowski J, et al. Wiad Lek 23:1857-61, 1 Nov 70 (Pol)
[A means of implanting a canula in the left renal vein of animals] Voitkevich VI. Fiziol Zh SSSR 56:129-31, Jan 70 (Rus)
[Vital diagnosis of thrombosis of the renal veins associated with nephrotic syndrome] Demin AA, et al. Urol Nefrol (Mosk) 35:41-2, Sep-Oct 70 (Rus)
[Case of arteriovenous fistula of the renal vessels] Ivanov AV, et al. Vestn Rentgenol Radiol 45:96-8, Nov-Dec 70 (Rus)
[The inferior venacavography in newborns and infants. Its diagnostic value in renal vein thrombosis] Knapp K. Ann Radiol (Paris) 14:355-60, Mar-Apr 71 (Mul)

ABNORMALITIES

[Spontaneous true spleno-renal anastomosis in early cirrhosis with portal hypertension] Gadrat J, et al. Arch Fr Mal App Dig 58:257-62, Apr-May 69 (Fre)
[Kidney vessel abnormalities] Borander U. Nord Med 85:411, 1 Apr 71 (Nor)

ANATOMY & HISTOLOGY

Venous communications of the adrenal glands. Anatomic and circulatory studies. Mikaelsson CG. Acta Radiol [Diagn] (Stockh) 10:369-93, Sep 70
[Course and frequency of the retro-aortic left renal vein in the human fetus] Hochgesand J. Z Anat Entwicklungsgesch 130:207-15, 1970 (Ger)

DRUG EFFECTS

Redistribution of cortical blood flow during renal vasodilatation in dogs. McNay JL, et al. Circ Res 27:1023-32, Dec 70

INJURIES

Renal pedicle injuries. Guerriero WG, et al. J Trauma 11:53-62, Jan 71
Arteriovenous fistulas of major vessels in the abdomen. Hunt TK, et al. J Trauma 11:483-93, Jun 71

PATHOLOGY

Renal vasculature and hypertensive mechanisms. Histological aspects. Simpson FO. Circ Res 27:Suppl 2:235+, Oct 70
Behçet's disease with renal involvement (with reference to three anatomico-clinical cases). Nestor G, et al. Rom Med Rev 14:27-32, 1970
[Acute bilateral renal vein thrombosis in young oxen] Weiss E, et al. Beri Munch Tieraerztl Wochenschr 83:436-9, 15 Nov 70 (Ger)

PHYSIOLOGY

The escape of the renal blood flow response during sympathetic nerve stimulation. Johansson B, et al. Angiologica 7:333-43, 1970
A microperfusion study of sucrose movement across the rat proximal tubule during renal vein constriction. Bank N, et al. J Clin Invest 50:294-302, Feb 71
[Effect of clamping the renal artery and vein on the renal function in dogs] Pytasz M, et al. Acta Physiol Pol 21:639-56, Sep-Oct 70 (Pol)

PHYSIOPATHOLOGY

Hypernephroma, marked renal vein dilatation and the Bernoulli phenomenon. Schoenfeld MR, et al. Am J Med 50:845-8, Jun 71
Salt and water reabsorption by short loops of Henle during renal vein constriction. Anagnostopoulos T, et al. Am J Physiol 220:1060-6, Apr 71
[The experimental renal vein thrombosis of the rat and its relationship to the nephrotic syndrome] Romen W. Virchows Arch [Pathol Anat] 352:141-56, 1971 (Ger)

RADIOGRAPHY

Spontaneous closure of arteriovenous fistulae following percutaneous renal biopsy. An experimental investigation in the rabbit. Ekelund L. Acta Radiol [Diagn] (Stockh) 11:289-94, May 71
Arteriovenous fistulae following percutaneous renal biopsy. Ekelund L, et al. Acta Radiol [Diagn] (Stockh) 11:38-48, Jan 71
Angiographic appearance of the canine kidney in acute hemorrhagic shock--modification by saline infusion, THAM infusion, and reinfusion of blood. Meng CH, et al. Am J Roentgenol Radium Ther Nucl Med 111:716-28, Apr 71
[Right renal arteriovenous anerysm] Gras H, et al. J Radiol Electrol Med Nucl 50:301-2, May 69 (Fre)
[Comparison of the various methods of opacification of the renal veins] Kasbarian M, et al. J Radiol Electrol Med Nucl 52:279-84, May 71 (Fre)
[Transvenous renal aorto-arteriography] Antognetti PF, et al. Minerva Cardioangiol 17:217-22, Apr 69 (Ita)
[Renal arteriovenous fistula caused by arteriovenous malformation] Watanabe T, et al. Rinsho Hoshasen 16:137-43, Feb 71 (Jap)
[Unilateral renal venous thrombosis in newborn infants] Nahum H, et al. Ann Radiol (Paris) 12:293-307, 1969 (Mul)

SURGERY

The distal splenorenal shunt. Zeppa R, et al. Am J Surg 122:300-3, Sep 71
Splenorenal shunt during pregnancy. Brown HJ. Am Surg 37:441-3, Jul 71
Use of the left renal vein for portal decompression. Baird RJ, et al. Ann Surg 173:551-3, Apr 71
Hemodynamic contrasts between selective and total portal-systemic decompression. Salam AA, et al. Ann Surg 173:827-44, May 71
Surgical management of portal hypertension. A ten-year experience. Dagher FJ, et al. Arch Surg 103:363-70, Sep 71
Portal decompression by side-to-side splenorenal venous anastomosis. Results in 14 patients. Haller JD, et al. Arch Surg 102:316-21, Apr 71
Thrombectomy for renal venous thrombosis in infant of diabetic mother. Lowry MF, et al. Br Med J 3:687, 19 Sep 70
Ligation of left renal vein during resection of abdominal aortic aneurysm. Chandran G, et al. Can J Surg 14:161-5, Mar 71
Renal vein ligation. DeLaurentis DA, et al. Dokl Akad Nauk SSSR 184:1889, 21 Jan 69
Blood samples from dog kidney graft. Russi MF. Invest Urol 8:448-9, Jan 71
The treatment of hypertension with renoportal venous shunts. Diaz CA, et al. J Surg Res 10:525-31, Nov 70
Renal vein ligation. DeLaurentis DA, et al. JAMA 214:1889, 7 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Spleno-renal shunt constructed below the body of the pancreas. Mieny CJ. S Afr J Surg 8:25-7, 1970
The renal vein: a satisfactory alternative to the portal vein for temporary auxiliary liver transplantation. Wexler MJ, et al. Surg Forum 21:345-7, 1970
Temporary aorta-left renal vein transposition: a simplified approach to the management of the aortic cuff in high aortic occlusions. Ernst CB, et al. Surgery 69:314-6, Feb 71
[Left perirenal hematoma and adrenal infarction after porto-renal anastomosis. Usefulness of the study of the anastomotic channels of the left renal vein] Gillot C, et al. Chirurgie 97:438-45, May-Jun 71 (Fre)
[Value of umbilicoportography and renal phlebography in preparation for a splenorenal shunt for portal hypertension] Guffens JM, et al.
J Belge Radiol 54:415-7, May-Jun 71 (Fre)
[Porto-reno-caval anastomosis: a safe shunt in portal hypertension (aporpos of 8 cases)] Colin R, et al. Mem Acad Chir (Paris) 94:251-7, 1968 (Fre)
[Superior mesenteric arteriography in angiographic survey of surgical spleno-renal anastomosis] Kamoun A, et al. Tunis Med 48:229-33, Jul-Aug 70 (Fre)
[Experimental research on homotransplants in swine. Renal transplant with venous anastomosis to the portal vein] Mazzoni G, et al.
Chir Patol Sper 17:18-28, Feb 69 (Ita)
[Prophylactic central reno-splenic anastomosis in the treatment of esophageal varices and hypersplenic thrombocytopenia] Jankau O, et al.
Pol Tyg Lek 26:802-3, 24 May 71 (Pol)
[New trends in the surgical treatment of portal hypertension] Raia S, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:35-8, Jan-Feb 71 (Por)
[Preventive splenorenal venous anastomosis in liver cirrhosis with portal hypertension] Lytkin MI, et al. Vestn Khir 106:30-4, Jan 71 (Rus)
[Terminal spleno-renal shunt with preservation of the left kidney in the treatment of portal hypertension] Moreno C, et al.
Rev Esp Enferm Apar Dig 33:293-302, 1 Feb 71 (Spa)

RENESE see POLYTHIAZIDE (D5, D7)

RENIN (D9)

Biological significance of renin angiotensin immunization. Johnston CI, et al.
Circ Res 27:Suppl 2:215+, Oct 70
Activation of renin in human amniotic fluid by low pH. Lumbers ER. Enzymologia 40:329-36, 31 Jun 71
[The renin-angiotensin system: methodology and clinical importance] Boucher R, et al.
Can Med Assoc J 103:837-43, 17 Oct 70 (77 ref.) (Fre)

ANALYSIS

Renin location in contracted human kidneys. Faarup P, et al. Acta Pathol Microbiol Scand [A] 78:674-84, 1970
Renin, renin substrate, and angiotensin I-converting enzyme in the lymph of rats. Horky K, et al. Am J Physiol 220:307-11, Feb 71
Subcellular localization of renin and kininogenase in the rat kidney. Nustad K, et al.
Br J Pharmacol 40:326-33, Oct 70
Double isotope derivative assay for angiotensin. I. Use for renin measurement. Gregerman RI, et al.
J Clin Endocrinol Metab 32:110-4, Jan 71
An investigation of the cellular source of renin in human chorion. Symonds EM, et al.
J Obstet Gynaecol Br Commonw 77:885-90, Oct 70
Distribution of renin in the dog kidney. Horiuchi K, et al. Life Sci [I] 16:727-34, 1 Jul 71
A fluorescent antibody study of juxtaglomerular cells using the freeze-substitution technique. Sutherland LE. Nephron 7:512-23, 1970
A sensitive method for determination of renin activity in the single juxtaglomerular apparatus of the rat kidney. Dahlheim H, et al.
Pfluegers Arch 321:303-15, 1970
Angiotensin-forming enzyme in brain tissue. Ganten D, et al. Science 173:64-5, 2 Jul 71
[Immunological study of human renin] Slabý A, et al. Sb Lek 73:17-21, Jan 71 (Cze)
[Erythropoietin, renin, aldosterone, and blood volume in primary and secondary polycythemia] Werning C, et al. Klin Wochenschr 49:13-9, Jan 71 (Ger)
[Level of depressor prostaglandin-like substances and renin activity in the kidneys of patients with renovascular hypertension] Nekrasova AA, et al. Kardiologiia 10:88-92, Jul 70 (Rus)

ANTAGONISTS & INHIBITORS

Inhibition of renin secretion by systemic and intrarenal angiotensin infusion. Blair-West JR, et al.
Am J Physiol 220:1309-15, May 71
Inhibition of renin by sodium deoxycholate. Hiwada K, et al. Biochem Pharmacol 20:914-6, Apr 71
Effect of some chemical agents on renin activity in vitro. Reinharz A, et al. Enzyme 12:212-8, 1971
Lysophosphatidylethanolamine and 2-desoxylysophosphatidylethanolamine derivatives. 1. Potential renin inhibitors. Pfeiffer FR, et al. J Med Chem 14:493-9, Jun 71
The effect of sodium and calcium on renin release in vitro. Michelakis AM.
Proc Soc Exp Biol Med 137:833-6, Jul 71
[In vitro antirenin effect of renal phospholipids] Ripa R, et al. Minerva Cardioangiol 17:223-9, Apr 69 (Ita)

BIOSYNTHESIS

Place of renin formation in rabbit uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 78:473-81, 1970
Place of renin formation in rabbit uterus. II. Renin in intraocular endometrial and myometrial transplants. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 79:123-33, 1971
Genital tract sources of renin. Symonds EM, et al.
Aust NZ J Obstet Gynaecol 10:225-9, Nov 70

BLOOD

The dissociation of aldosterone secretion and systemic renin and angiotensin II levels during the correction of sodium deficiency. Blair-West JR, et al.
Acta Endocrinol (Kbh) 66:229-47, Feb 71
Variations in plasma renin activity and urinary aldosterone excretion in normal subjects after salt restriction and acute pituitary inhibition with 6-dehydro-16-methylene hydrocortisone. Peytremann A, et al. Acta Endocrinol (Kbh) 67:159-73, May 71
Radioimmunological determination of plasma renin activity during the menstrual cycle and during acute progesterone administration. Sundsfjord JA.
Acta Endocrinol (Kbh) 67:174-86, May 71
Plasma renin activity and aldosterone excretion during prolonged progesterone administration. Sundsfjord JA. Acta Endocrinol (Kbh) 67:483-90, Jul 71
Plasma renin activity in Wilms' tumour. Voûte PA Jr, et al. Acta Endocrinol (Kbh) 67:197-202, May 71
Plasma renin activity (PRA) and urinary aldosterone excretion (UAE) in luteal insufficiency. Sundsfjord JA, et al. Acta Endocrinol [Suppl] (Kbh) 155:177, 1971
Free androgens and cortisol presursors in adrenal venous blood from patients with hyperaldosteronism. Weinheimer B, et al.
Acta Endocrinol [Suppl] (Kbh) 155:174, 1971
Plasma renin activity in patients with disturbed sympathetic vasomotor control (postural hypotension). Bošnović L, et al.
Acta Med Scand 188:385-8, Nov 70
Plasma renin activity in chronic nephropathy. Nielsen I, et al. Acta Med Scand 188:351-4, Nov 70
Plasma renin activity after allogenic kidney transplantation in man. Nielsen I, et al.
Acta Med Scand 188:355-9, Nov 70
The postural plasma renin response in renovascular hypertension. Nielsen I, et al.
Acta Med Scand 189:213-20, Mar 71
Cause of increased plasma angiotensinogen after nephrectomy. The renin-system in normal, renal hypertensive and DOCA + salt treated rats after unilateral or bilateral nephrectomy or shamoperation. Bing J, et al.
Acta Pathol Microbiol Scand [A] 78:669-73, 1970
The renin system in mice. Effects of removal of kidneys or (and) submaxillary glands in different strains. Bing J, et al. Acta Pathol Microbiol Scand [A] 79:134-8, 1971
The pattern of plasma renin activity and aldosterone secretion in normal and hypertensive subjects before and after saline infusions. Espiner EA, et al.
Am J Cardiol 27:585-94, Jun 71
A kinetic method for determination of plasma renin activity using radioassay of Angiotensin I. Lehfeldt DC, et al. Am J Clin Pathol 55:513-22, May 71
Dietary salt intake in hypertensive patients with normal and low plasma renin activity. Adlin EV, et al.
Am J Med Sci 261:67-71, Feb 71
Influence of right and left atrial receptors on plasma concentrations of ADH and renin. Brennan LA Jr, et al. Am J Physiol 221:273-8, Jul 71
Effect of prostaglandin E1 on renin in the dog. Werning C, et al. Am J Physiol 220:852-6, Apr 71
Plasma renin activity in chronic plumbism. Effect of treatment. McAllister RG Jr, et al.
Arch Intern Med 127:919-23, May 71
Saline suppression of plasma aldosterone and plasma renin activity in hypertension. Kem DC, et al.
Artz Med 28:264-6, Apr 71
A review of plasma renin measurements and their clinical significance. Mendelsohn F, et al.
Aust NZ J Med 1:86-93, Feb 71
Central components of the renin-angiotensin system. Hayden J, et al. Br J Pharmacol 41:177-86, Feb 71
Renin activity in acute renal failure. Del Greco F, et al.
Br Med J 4:304, 31 Oct 70
The renin-angiotensin system in newborn dogs. Granger P, et al.
Can J Physiol Pharmacol 49:134-8, Feb 71
Aldosterone secretion and plasma renin activity in chromophobe adenoma: effect of acth. Hauger-Klevene JH, et al. Cancer 26:1115-8, Nov 70
Plasma renin activity and the effects of deoxycorticosterone acetate in dogs with chronic left ventricular overload. Baumber JS, et al.
Circ Res 27:705-15, Nov 70
Renal blood flow and renin activity in renal venous blood in essential hypertension. Blaufox MD, et al.
Circ Res 27:913-20, Dec 70
Sodium balance, plasma renin, and aldosterone in hypertension. Doyle AE, et al.
Circ Res 27:Suppl 2:267+, Oct 70
Malignant hypertension: effect of therapy on renin and aldosterone. McAllister RG Jr, et al.
Circ Res 28:Suppl 2:160-74, May 71
Determination of plasma renin concentration by angiotensin I immunoassay. Diagnotic import of precise measurement of subnormal renin in hyperaldosteronism. Stockigt JR, et al.
Circ Res 28:Suppl 2:175-91, May 71
Plasma renin activity in human hypertension. Stokes GS, et al. Circ Res 27:Suppl 2:207+, Oct 70
The value of plasma renin concentration per se, and in relation to plasma and extracellular fluid volume in diagnosis and prognosis of human renovascular hypertension. Bianchi G, et al.
Clin Sci 39:559-76, Nov 70
The effects of prolonged administration of vasopressin and oxytocin on renin, aldosterone and sodium balance in normal man. Goodwin FJ, et al.
Clin Sci 39:641-51, Nov 70
Studies on the mechanism of hypernatriuresis in essential hypertension in relation to measurements of plasma renin concentration, body fluid compartments and renal function. Schalekamp MA, et al.
Clin Sci 41:219-31, Sep 71
Alterations in plasma renin activity of patients with essential hypertension induced by NaCl and by salt depletion. Kiprov D, et al. Cor Vasa 12:188-92, 1970
A method of assay of renin activity in plasma and kidneys and of angiotensinase activity in plasma of rats. Somova L, et al.
Doki Boig Akad Nauk 22:955-8, 1969
A study of the pressor activity in the blood of rats with experimentally induced hypertension. Somova L, et al. Doki Boig Akad Nauk 22:213-6, 1969
Effect of hypoglycemia on plasma renin activity in dogs. Otsuka K, et al. Endocrinology 87:1306-17, Dec 70
Vasopressin-renin-cortisol interrelations. Travis RH, et al. Endocrinology 89:246-53, Jul 71
Inverse variations of plasma renin activity and renin substrate in normal man. Rosset E, et al.
Eur J Clin Invest 1:328-35, May 71
Increased plasma renin activity induced in rats by physostigmine and effects of alpha- and beta-receptors blocking drugs thereon. Alexandre JM, et al. Eur J Pharmacol 12:127-31, 1 Sep 70
Studies on a "renin-angiotensin" system in the normal and hypophysectomized pigeon (Columba livia). Chan MY, et al. Gen Comp Endocrinol 16:304-11, Apr 71
The significance of plasma renin determinations for differential diagnosis of hypertensiony. Klaus D.
Int Z Klin Pharmakol Ther Toxikol 4:93-8, Dec 70
Renin, norepinephrine, and epinephrine responses to graded exercise. Kotchen TA, et al.
J Appl Physiol 31:178-84, Aug 71
Plasma renin activity and aldosterone secretory rate in man during chronic ACTH administration. Benraad TJ, et al. J Clin Endocrinol Metab 31:581-3, Nov 70
Distribution and disappearance rate of renin in man and dog. Michelakis AM, et al.
J Clin Endocrinol Metab 33:27-34, Jul 71
Does prolonged pretreatment with large doses of spironolactone hasten a recovery from juxtaglomerular-adrenal suppression in primary aldosteronism? Morimoto S, et al.
J Clin Endocrinol Metab 31:659-64, Dec 70
Plasma renin activity and renal blood flow in renal hypertensive rats with different blood pressure levels. Leenen FH, et al. J Endocrinol 48:lxxv+, Dec 70
Serum renin activity during exposure to hypoxia. Tuffley RE, et al. J Endocrinol 48:497-510, Dec 70
Accurate and rapid measurement of plasma renin activity by radioimmunoassay. Results in normal and hypertensive people. Cohen EL, et al.
J Lab Clin Med 77:1025-38, Jun 71
The effect of prednisone on plasma norepinephrine concentration and renin activity in salt-depleted man. Keisch RC, et al. J Lab Clin Med 77:267-77, Feb 71
A serial study in pregnancy of the plasma concentrations of renin, corticosteroids, electrolytes and proteins and of haematocrit and plasma volume. Weir RJ, et al.
J Obstet Gynaecol Br Commonw 78:590-602, Jul 71
The effect of methyldopa on plasma renin activity in a child with Bartter's syndrome. Strauss RG, et al.
J Pediatr 77:1071-4, Dec 70
Accurate and rapid measurement of plasma renin activity by radioimmunoassay. Results in normal and hypertensive people. Cohen EL, et al.
J Radiol Electrol Med Nucl 52:1025-38, May 71
Renovascular hypertension: the diagnostic value of renal vein renin ratios. Simmons JL, et al.
J Urol 104:497-501, Oct 70
Role of the renin-angiotensin system in pathogenesis of experimental renal hypertension. Fujii J, et al.
Jap Circ J 35:493-8, May 71
Hypertension with aldosterone excess and low

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

plasma-renin: preoperative distinction between patients with and without adrenocortical tumour. Ferriss JB, et al. Lancet 2:995-1000, 14 Nov 70
Plasma-renin assay. Kritzinger EE, et al. Lancet 2:665, 18 Sep 71
Evaluation of renin and angiotensin assays and their clinical application. Johnston CI, et al. Med J Aust 1:126-8, 16 Jan 71
Renal venous renin ratio in the diagnosis of renovascular hypertension: measurement during active secretion of renin. Pawsey CG, et al. Med J Aust 1:121-6, 16 Jan 71
A dynamic study of plasma renin activity and aldosterone concentration in normal and hypertensive subjects. Bayard F, et al. Metabolism 20:513-9, May 71
Renal hypertension due to hydronephrosis with normal plasma renin activity. Palmer JM, et al. N Engl J Med 283:1032-3, 5 Nov 70
Evaluation of renin activity. Schweikert JR, et al. N Engl J Med 284:54-5, 7 Jan 71
Plasma renin activity and blood pressure in terminal renal failure. Weidmann P, et al. N Engl J Med 285:757-62, 30 Sep 71
Effect of stimulation of the medulla oblongata on renin secretion in dogs. Passo SS, et al. Neuroendocrinology 7:1-10, 1971
Renin, angiotensin and aldosterone relationships in normal pregnancy. Weir RJ, et al. Proc R Soc Med 63:1101-2, Nov 70
Plasma renin substrate changes in experimental uremia. Blaine EH, et al. Proc Soc Exp Biol Med 136:21-4, Jan 71
Effects of sodium restriction on renin, norepinephrine, and cation content of cardiovascular tissues of dogs. Hayduk K, et al. Proc Soc Exp Biol Med 135:271-4, Nov 70
Renin depletion in the dog. Michaelis LL, et al. Proc Soc Exp Biol Med 135:419-20, Nov 70
A method for the measurement of plasma renin in the rat. Nasjletti A, et al. Proc Soc Exp Biol Med 136:344-8, Feb 71
Plasma renin and exchangeable sodium in the hypertension of chronic renal failure. The effect of bilateral nephrectomy. Wilkinson R, et al. Q J Med 39:377-94, Jul 70
Plasma renin concentration measured by use of radioimmunoassay for angiotensin I. Giese J, et al. Scand J Clin Lab Invest 26:355-67, Dec 70
Renin, angiotensin and aldosterone in human pregnancy and the menstrual cycle. Robertson JI, et al. Scott Med J 16:183-96, Mar 71 (109 ref.)
Plasma renin activity in acute renal infarction. Morimoto S, et al. South Med J 64:528-32, May 71
Renal venous renin activity in renovascular hypertension. Van Way CW 3d, et al. Surg Forum 21:177-9, 1970
Studies on patients with renal artery stenosis (the diagnostic value of plasma renin activity measurements). Kirkendall WM, et al. Trans Am Clin Climatol Assoc 82:101-13, 26 Oct 70 (18 ref.)
[Clinical significance of plasma renin determinations in disorders of renal circulation] Schalekamp MA, et al. Ned Tijdschr Geneeskd 114:1942-4, 14 Nov 70 (Dut)
[Arterial hypertension with undetectable or lowered plasma renin activity] Meyer P, et al. Ann Med Interne (Paris) 120:473-7, Aug-Sep 69 (Fre)
[Role of renin in the reulation of the arterial pressure course of terminal renal insufficiency treated by hemodialysis and transplantation] Verniory A, et al. Bull Acad R Med Belg 10:201-45, 1970 (Fre)
[Practical value of the determination of plasma renin activity in the study of arterial hypertension] Ménard J, et al. Coeur Med Interne 10:93-8, Jan-Mar 71 (Fre)
[Influence of the exertion intensity on the plasma renin and antidiuretic activities in normal humans] Lacour JR, et al. J Physiol (Paris) 62:Suppl 3:398, 1970 (Fre)
[Correlations between plasma renin activity and hemodynamic data in hypertension patients] Safar M, et al. J Urol Nephrol (Paris) 77:390-6, Apr-May 71 (Fre)
[Micromethod for the determination of plasma renin activity (P.R.A.) in rats and its use in the study of the role of P.R.A.] Boucher R, et al. Union Med Can 97:1212-3, Sep 68 (Fre)
[A simple and specific method for measurement of plasma renin activity in man] Lemieux R, et al. Union Med Can 100:727-32, Apr 71 (Fre)
[Plasma renin activity and pregnancy] Schmidt AW, et al. Arch Gynaekol 210:39-48, 27 Apr 71 (Ger)
[Effects of extended application of hydrochlorothiazide on the plasma renin activity and electrolyte balance in adrenalectomized patients] Werning C, et al. Arzneim Forsch 20:1935-9, Dec 70 (Ger)
[Peripheral plasma renin level in patients with essential, renal, renovascular and malignant hypertension] Tényi I, et al. Endokrinologie 57:370-80, 1971 (Ger)
[Renin activity in plasma in the acute state of experimental renal hypertension] Fujii J, et al. Klin Wochenschr 48:1128-9, 15 Sep 70 (Ger)
[Behavior of plasma renin concentration following acute natriuresis and orthostasis in healthy subjects and patients suffering from hypertension] Oelkers W, et al. Klin Wochenschr 48:598-607, 15 May 70 (Ger)
[Determination of plasma renin activity by radioimmunoassay of angiotensin 1. Comparison with bioassay] Rössler R, et al. Klin Wochenschr 49:870-6, 1 Aug 71 (Ger)
[The effect of mannitol on plasma renin concentration] Schröder E, et al. Klin Wochenschr 49:867-70, 1 Aug 71 (Ger)
[Aldosterone and renin in acromegaly] Werning C, et al. Klin Wochenschr 48:1365-7, 15 Nov 70 (Ger)
[The prognostic value of preoperative renin determination in renovascular hypertension] Eigler FW, et al. Langenbecks Arch Chir 322:960-4, 1968 (Ger)
[Variations of renin activity in hypertensive patients under aldactone therapy] Popov NG, et al. Med Welt 22:1207-9, 24 Jul 71 (Ger)
[Diagnostic significance of renin determination] Wernze H. Med Welt 20:921-7, 16 May 70 (Ger)
[Effect of hypotensive drugs on plasma renin activity in the rat] Meyer DK, et al. Naunyn Schmiedebergs Arch Pharmakol 266:403-4, 1970 (Ger)
[Changes in plasma renin activity during low- and high-pressure breathing in dogs with intact and denervated kidneys] Miksche LW, et al. Naunyn Schmiedebergs Arch Pharmakol 266:405-6, 1970 (Ger)
[Activity of the renin-angiotensin system in entotoxin shock and during orthostatic loading of rabbits under corticosteroid therapy] Seyberth HW, et al. Naunyn Schmiedebergs Arch Pharmakol 266:453-4, 1970 (Ger)
[Reduction of the vasopressor effect of tyramine in patients with hypertension, aldosteronism and low plasma renin] Distler A, et al. Verh Dtsch Ges Inn Med 75:186-9, 1969 (Ger)
[Hepatic inactivation of plasma renin before and after tetrachloride intoxication] Siemensen HC. Z Gesamte Exp Med 153:187-92, 1970 (Ger)
[A simplified method for the determination of renin activity in human plasma] Kaulhausen H, et al. Z Klin Chem Klin Biochem 8:254-8, May 70 (Ger)
[Correlations between plasma renin activity and blood pressure, erythrocyte count, hemoglobin, hematocrit as well as sodium, potassium, urea and creatinine in serum of hypertensive patients] Werning C, et al. Z Klin Chem Klin Biochem 9:13-7, Jan 71 (Ger)
[Behavior of the plasma renin activity in normal pregnancy, in pregnancy toxemias and in the umbilical cord blood of the newborn] Kokot F, et al. Zentralbl Gynaekol 92:280-7, 28 Feb 70 (Ger)
[Plasmatic renin in hepatopathic subjects] Ripa R, et al. G Clin Med 51:647-61, Aug 70 (Ita)
[Plasmatic renin in patients with kidney diseases] Ripa R, et al. G Clin Med 51:845-56, Nov 70 (Ita)
[Study of the plasmatic renin and reno-medullin in chronic uremic patients during extracorporeal hemodialytic treatment] Ripa R, et al. Minerva Med 61:5219-33, 17 Nov 70 (Ita)
[Plasma renin activity in hypertensive and non-hypertensive patients and its clinical significance] Eto M. Jap Circ J 34:1267-79, Dec 70 (Jap)
[Estimation of the plasma renin activity in terminal renal failure and its use for the factor determining indication of the bilateral nephrectomy] Kono S. Jap J Urol 61:939-54, Oct 70 (Jap)
[A method for the measurement of plasma renin activity. II] Nigahara K, et al. Jap J Urol 62:298-307, Apr 71 (Jap)
[A method for the measurement of plasma renin activity. I] Nigawara K, et al. Jap J Urol 62:131-46, Feb 71 (Jap)
[Effect of long-term administration of spironolactone in massive dosage on the postoperative plasma renin activity in primary aldosteronism] Morimoto S, et al. Naika 26:535-40, Sep 70 (Jap)
[Plasma renin activity in arterial hypertension] Woźniak K, et al. Ann Univ Mariae Curie Sklodowska [Med] 24:143-52, 1969 (Pol)
[Comparative results of plasmatic renin determination and the angiotensin perfusion test in arterial hypertension] Negoi tă C, et al. Med Interna (Bucur) 23:667-77, Jun 71 (Rum)
[Value of renin determination and of the angiotensin test in the diagnosis of renovascular hypertension] Păun R, et al. Med Interna (Bucur) 23:443-52, Apr 71 (Rum)
[Effect of hypertension on the renin-aldosterone system, renal circulation, glomerular filtration and electrolyte excretion in patients with chronic circulatory insufficiency] Kukes VG, et al. Kardiologiia 10:113-20, 1970 (Rus)
[Blood renin activity in patients with hypertensive disease treated with saluretics] Serebrovskaia IuA, et al. Kardiologiia 10:109-14, Oct 70 (Rus)
[Plasma renin activity in patients with renovascular hypertension] Serebrovskaia IuA, et al. Kardiologiia 10:87-95, 1970 (Rus)
[Determination of renin activity in blood plasma] Serebrovskaia IuA, et al. Lab Delo 7:421-6, 1970 (Rus)
[A case of primary hyperaldosteronism] Serrano Comino M, et al. Rev Clin Esp 119:439-44, 15 Dec 70 (Spa)
[Study of cortisone and renin in spermatica interna and a refined sperm analysis in patients with varicocele] Thulin L, et al. Nord Med 85:416, 1 Apr 71 (Swe)

ISOLATION & PURIFICATION

Studies on the partial isolation of human renin. Waldhäusl WK, et al. Biochim Biophys Acta 221:536-48, 22 Dec 70

METABOLISM

Renin isozymes of extrarenal origin. Carretero OA, et al. Am J Physiol 220:1468-72, May 71
Effects of hemorrhage and chronic sodium depletion on hepatic clearance of renin. Johnson JA, et al. Am J Physiol 220:1677-82, Jun 71
Renin kinetics in experimental renal hypertension. Lazar J, et al. Am J Physiol 220:191-5, Jan 71
Kinetics of the human renin and human substrate reaction. Gould AB, et al. Cardiovasc Res 5:86-9, Jan 71
Converting enzyme activity in human plasma. Fitz A, et al. Circ Res 28:246-53, Feb 71
Effect of sodium restriction on renal hypertension and on renin activity in the rat. Miksche LW, et al. Circ Res 27:973-84, Dec 70
Renin excretion in patients with renal disease. Pessina AC, et al. Circ Res 27:891-9, Dec 70
Renal pressor activity and kidney weight responding to angiotensin in hypertensive ras. Tanaka K, et al. Experientia 27:49-51, 15 Jan 71
Effects of stilbestrol on the renal pressor system as modified by adrenalectomy and secondary aldosteronism. Nasjletti A, et al. J Lab Clin Med 78:30-8, Jul 71
Discussion on pathogenesis of hypertension. Ogino K, et al. Jap Circ J 35:540-4, May 71
Greene LL, Ferreira SH: Potential screening test for detection of overactivity of renin-angiotensin system. Krieger EM, et al. Lancet 1:269-71, 6 Feb 71
No evidence of active renin-inhibitors in plasma. The kinetics of the reaction between renin and substrate in non-pre-treated plasma. Poulsen K. Scand J Clin Lab Invest 27:37-46, Feb 71
[Intrarenal role of renin: effects of vasoconstrictors on isolated rabbit kidney] Regoli D, et al. Union Med Can 100:733-9, Apr 71 (Fre)
[Beta adrenergic receptors as mediators of renin release] Meurer KA, et al. Dtsch Med Wochenschr 96:749-51, 23 Apr 71 (Ger)
[Preparation and ATPase activity of renin-containing granules] Schmidt D, et al. Experientia 27:137-8, 15 Feb 71 (Ger)
[Renin substrate reaction and renin release by the isolated rabbit kidney] Krahé P, et al. Naunyn Schmiedebergs Arch Pharmakol 266:376-7, 1970 (Ger)
[Renin release from kidney slices, as a function of the electrolyte composition of the medium] Oelkers W, et al. Pfluegers Arch 321:67-82, 1970 (Ger)
[Renin activity in the aortic tissue of rats] Rosenthal J, et al. Verh Dtsch Ges Inn Med 75:189-91, 1969 (Ger)
[Depressor prostaglandin-like substances and renin in the kidneys in experimental renal hypertension] Nekrasova AA, et al. Kardiologiia 10:31-6, Jun 70 (Rus)

PHARMACODYNAMICS

Induction of hypovolaemia by thirst-inducing doses of renin or angiotensin II. Haefeli L, et al. Br J Pharmacol 42:25-30, May 71
The effect of renin, angiotensin II and adrenalectomy on glomerular capillary permeability in the rat. Pessina AC, et al. Clin Sci 40:12P, Mar 71
Interactions of intracranially administered renin or angiotension and other thirst stimuli on drinking. Fitzsimons JT. J Physiol (Lond) 210:152P+, Sep 70
[Effect of renin and angiotensin on the cardiovascular system] Markov KhM. Patol Fiziol Eksp Ter 14:78-84, Jul-Aug 70 (87 ref.) (Rus)

PHYSIOLOGY

The relationship between angiotensin and aldosterone. Boyd GW, et al. Adv Metab Disord 5:77-117, 1971 (250 ref.)
The renin-angiotensin system in clinical medicine. Romero JC, et al. Am Heart J 80:701-8, Nov 70 (69 ref.)
Renin and angiotensin in relation to aldosterone. Peart WS. Am J Clin Pathol 54:324-30, Sep 70
Perspectives in aldosterone and renin control. Coghlan JP, et al. Aust NZ J Med 1:178-97, May 71 (177 ref.)
Possible role of the renin-angiotensin system in the regulation of antidiuretic hormone secretion. Malvin RL. Fed Proc 30:1383-6, Jul-Aug 71
The etiopathology of hypertension. Siegenthaler W, et al. Int Z Klin Pharmakol Ther Toxikol 4:83-92, Dec 70
Relationship between renin and intrarenal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hemodynamics in hemorrhagic hypotension. Grandchamp A, et al. J Clin Invest 50:970-8, May 71
Further evidence that renin is not the intrarenal natriuretic hormone. Bartter FC, et al. J Endocrinol 48:12-3, Sep 70
The effect of the renin-angiotensin system on mucosal water and sodium transfer in everted sacs of rat jejunum. Crocker AD, et al. J Physiol (Lond) 206:323-33, Feb 70
Significance of the renin-angiotensin system on the development of hypertension and the maintenance of elevated blood pressure levels. Kokubu T. Jap Circ J 35:499-501, May 71
Effects of endogenous renin on the function of the isolated kidney. Krahé P, et al. Life Sci [I] 9:1317-20, 15 Nov 70
Sodium appetite and the renin-angiotensin system. Fitzsimons JT, et al. Nature [New Biol] 231:58-60, 12 May 71
[The liver and the renin-angiotensin system] Ménard J, et al. Can Med 12:599-602, 30 May 71 (Fre)
[Role of the renin-angiotensin system in the production of thirst] Haefeli L, et al. J Urol Nephrol (Paris) 76:1011-3, Dec 70 (Fre)
[The renin-angiotensin-aldosterone system under the influence of drugs] Werning C. Hippokrates 42:228-30, Jun 71 (Ger)
[Developments in the renin-angiotensin system] Ben-Ishay D. Harefuah 80:28-30, 1 Jan 71 (Heb)

SECRETION

Effect of vasopressin (ADH), aldosterone, norepinephrine (NE), angiotensin I (AI) and II (AII) on renin release (RR) by human kidney (HK) slices in vitro. Rosset E, et al. Acta Endocrinol [Suppl] (Kbh) 155:179, 1971
Renal venous renin activity. Enhancement of sensitivity of lateralization by sodium depletion. Strong CG, et al. Am J Cardiol 27:602-11, Jun 71
Secondary aldosteronism: with observations on the definition of hypokalemia. Kaplan NM. Am J Clin Pathol 54:316-23, Sep 70
Effect of sympathetic nervous system on renin release. Birbari A. Am J Physiol 220:16-8, Jan 71
Evidence for a renal vascular receptor in control of renin secretion. Blaine EH, et al. Am J Physiol 220:1593-7, Jun 71
Effect of mannitol diuresis and ureteral occlusion on distal tubular reabsorption. DiBona GF. Am J Physiol 221:511-4, Aug 71
Inhibition of renin secretion by vasopressin in unanesthetized sodium-deprived dogs. Tagawa H, et al. Am J Physiol 220:949-51, Apr 71
A possible mechanism for hypertension induced by oral contraceptives. Diminished feedback suppression of renin release. Saruta T, et al. Arch Intern Med 126:621-6, Oct 70
The permeability state of the blood-brain barrier in relation with the plasma renin activity in early stage of experimental renal hypertension. Sonkodi S, et al. Br J Exp Pathol 51:448-52, Oct 70
Neurologic release of renin in mongrel dogs. McPhee MS, et al. Can J Surg 14:142-7, Mar 71
High plasma renin activity in an oat cell carcinoma: a renin-secreting carcinoma? Hauger-Klevene JH. Cancer 26:1112-4, Nov 70
Renin release after hemorrhage and after suprarenal aortic constriction in dogs without sodium delivery to the macula densa. Blaine EH, et al. Circ Res 27:1081-9, Dec 70
Evidence for a renal vascular mechanism in renin release: new observations with graded stimulation by aortic constriction. Blaine EH, et al. Circ Res 28:Suppl 2:118-26, May 71
Renin and aldosterone secretion in man as influenced by changes in electrolyte balance and blood volume. Bull MB, et al. Circ Res 27:953-60, Dec 70
What signals the kidney to release renin? Davis JO. Circ Res 28:301-6, Mar 71 (25 ref.)
Observation on the mechanism of renin release by hydralazine in hypertensive patients. Ueda H, et al. Circ Res 27:Suppl 2:201-6, Oct 70
Observations on the mechanism of renin release by catecholamines. Ueda H, et al. Circ Res 27:Suppl 2:195+, Oct 70
Relationship of cardiorenal function to renin-aldosterone system in patients with valvular heart disease. Judson WE, et al. Circulation 44:245-53, Aug 71
The effect of alpha- and beta-adrenergic blocking agents on the renin response to hypoglycemia and epinephrine in dogs. Assaykeen TA, et al. Endocrinology 87:1318-22, Dec 70
The effect of tyramine, noradrenaline, and angiotensin on the blood pressure in hypertensive patients with aldosteronism and low plasma renin. Distler A, et al. Eur J Clin Invest 1:196-203, Nov 70
Characteristics of response of renal vascular bed to contrast media. Evidence for vasoconstriction induced by renin-angiotensin system. Caldicott WJ, et al. Invest Radiol 5:539-47, Nov-Dec 70
The effects of hypoxia and ischemia on erythropoietin and renin release in dogs. Murphy GP, et al. Invest Urol 8:521-5, Mar 71
The relative effects of serum sodium concentration and the state of body fluid balance on renin secretion. Gordon RD, et al. J Clin Endocrinol Metab 32:117-9, Jan 71
The influence of potassium administration and of potassium deprivation on plasma renin in normal and hypertensive subjects. Brunner HR, et al. J Clin Invest 49:2128-38, Nov 70
Potassium balance and the control of renin secretion. Sealey JE, et al. J Clin Invest 49:2119-27, Nov 70
Low-renin essential hypertension--another form of childhood hypertension. Gruskin AB, et al. J Pediatr 78:765-71, May 71
Renin secretion in the hypothermic dog. Munday KA, et al. J Physiol (Lond) 206:38P-39P, Feb 70
Control of renin secretion in the anesthetized dog. 3. Effects of hypertonic mannitol infusion. Yamamoto K, et al. Jap Circ J 35:573-7, May 71
Report of the U.S.-Japan seminar on control of renin secretion. Blaufox MD, et al. Jap Heart J 11:506-11, Sep 70
Release of pressor substances from infarcted kidneys in rats. I. Effect of chronic administration of hydralazine. Omae T, et al. Jap Heart J 12:79-83, Jan 71
A release of renin from dog kidney cortex slices. Morimoto S, et al. Jap J Pharmacol 20:536-45, Dec 70
Renin-angiotensin activity in hypertensive rats with a single ischemic kidney. Koletsky S, et al. Lab Invest 24:41-4, Jan 71
Renin-secreting kidney tumours. A rare but remediable cause of serious hypertension. Lee MR. Lancet 2:254-5, 31 Jul 71
Renin-secreting kidney tumours. Robb-Smith AH. Lancet 2:493, 28 Aug 71
Effect of alpha- and beta-adrenergic blocking agents on the increase in renin secretion produced by stimulation of the medulla oblongata in dogs. Passo SS, et al. Neuroendocrinology 7:97-104, 1971
Juxtaglomerular index and activity of the renin-angiotensin system. Dévényi I, et al. Pathol Eur 6:19-33, 1971
Renin secretion: an anatomical basis for tubular control. Barajas L. Science 172:485-7, 30 Apr 71
[The control of renin secretion] Imbs JL, et al. Nephron 7:499-511, 1970 (Fre)
[Importance of renin-angiotensin-aldosterone system in diverse forms of hypertension] Werning C, et al. Praxis 59:730-7, 19 May 70 (Ger)
[Kidney as an endocrine organ] Werning C, et al. Schweiz Med Wochenschr 100:1897-903, 7 Nov 70 (47 ref.) (Ger)
[Determination of plasma renin activity in the renal veins and inferior vena cava. Its value in the diagnosis and prognosis of hypertension of unilateral renal origin] De la Cueva Martín R, et al. Rev Clin Esp 117:121-32, 30 Apr 70 (Spa)

URINE

Urinary renin and norepinephrine excretion in dogs after unilateral renal artery constriction. Hayduk K, et al. Experientia 27:277-8, 15 Mar 71
Renin activity in urine, plasma, and renal cortex of dogs during changes in sodium balance. Hayduk K, et al. Proc Soc Exp Biol Med 136:399-402, Feb 71
[Increased urinary renin excretion of ischemic kidneys in experimental unilateral stenoses of renal arteries in dogs] Hayduk K, et al. Klin Wochenschr 48:1124-6, 15 Sep 70 (Ger)
[Differential renin excretion in the urine of rats with renal hypertension] Lamprecht F, et al. Naunyn Schmiedebergs Arch Pharmakol 266:387-8, 1970 (Ger)

RENNIN (D9)

Kinetics of the primary phase of rennin action on whole milk. Castle AV, et al. Biochem J 119:12P-13P, Sep 70
Rennin coagulation of cow's milk. Wheelock JV, et al. Biochem J 119:12P, Sep 70
Carbohydrates of the glycopeptides released by the action of rennin on whole milk. Sinkinson G, et al. Biochim Biophys Acta 215:517-21, 22 Sep 70
[Separation, purification and amino acid composition of A and B rennins of lambs] Oruntaeva KB, et al. Biokhimiia 36:18-21, Jan-Feb 71 (Rus)

ANALYSIS

[Determination with casein X of the proteolytic activity of rennin, pig pepsin and bovine pepsins] Douillard R, et al. Bull Soc Chim Biol (Paris) 52:1429-45, 1970 (Fre)

BIOSYNTHESIS

[Rennin production by cultures of mold fungi of the genus Aspergillus] Paleva NS. Mikrobiologiia 38:1002-5, Nov-Dec 69 (Rus)

METABOLISM

The reactivation of rennin inhibited by dansyl chloride. Rickert W. Biochim Biophys Acta 220:628-9, 16 Dec 70
Differences between calf and adult bovine rennet. Richardson GH, et al. J Dairy Sci 53:1367-72, Oct 70

RENOGRAPHY see RADIOISOTOPE RENOGRAPHY

(E1)

REOVIRUS (B4)

Messenger activity in mammalian cell-free extracts of reovirus single-stranded RNA prepared in vitro. Levin DH, et al. Biochem Biophys Res Commun 42:454-61, 5 Feb 71
Reovirus core transcriptase and ethidium bromide: a continuous fluorimetric assay for polynucleotide synthesis based on the secondary structure of mRNA. Kapuler AM. Biochim Biophys Acta 238:363-8, 13 May 71
The molecular biology of Reovirus. Joklik WK. J Cell Physiol 76:289-301, Dec 70
The ultrastructure of the reovirus inclusion: a freeze etching study. Easterbrook KB, et al. J Ultrastruct Res 34:303-15, Feb 71
Defective virions of reovirus. Nonoyama M, et al. J Virol 6:226-36, Aug 70
Asynchronous synthesis of the complementary strands of the reovirus genome. Schonberg M, et al. Proc Natl Acad Sci USA 68:505-8, Feb 71

ANALYSIS

Effect of physical and chemical treatment on the buoyant density of reovirus. Engler R, et al. Arch Gesamte Virusforsch 32:329-36, 1970
Cytosine at the 3'-termini of reovirus genome and in vitro mRNA. Banerjee AK, et al. Nature [New Biol] 232:114-5, 28 Jul 71
Isolation of the trinucleotide pppGpCpU from reovirus. Bellamy AR, et al. Virology 42:415-20, Oct 70

ENZYMOLOGY

An extraordinary temperature dependence of the reovirus transcriptase. Kapuler AM. Biochemistry 9:4453-7, 27 Oct 70
Transcription in vitro by reovirus-associated ribonucleic acid-dependent polymerase. Banerjee AK, et al. J Virol 6:1-11, Jul 70
Presence of nucleoside triphosphate phosphohydrolase activity in purified virions of reovirus. Borsa J, et al. J Virol 6:295-302, Sep 70
Comparison of the virion polymerase of reovirus with the enzyme purified from reovirus-infected cells. Gomatos PJ. J Virol 6:610-20, Nov 70
Initiation of reovirus mRNA synthesis in vitro. Banerjee AK, et al. Nature [New Biol] 230:169-72, 7 Apr 71

GROWTH & DEVELOPMENT

Growth and persistent infection of African horse-sickness virus in a mosquito cell line. Mirchamsy H, et al. Am J Vet Res 31:1755-61, Oct 70
Fate of RNA-labeled avian reovirus in infected cells. Sekiguchi K, et al. Arch Gesamte Virusforsch 33:17-26, 1971
Appearance of defective virions in clones of reovirus. Nonoyama M, et al. J Virol 6:693-4, Nov 70
Electron microscopic study of the formation of bluetongue virus. Lecatsas G. Onderstepoort J Vet Res 35:139-49, Jun 68
Electron microscopic studies on reovirus type 1 in BHK 21 cells. Lecatsas G. Onderstepoort J Vet Res 35:151-7, Jun 68

IMMUNOLOGY

Reovirus antibody in primates. Kalter SS, et al. Am J Epidemiol 93:403-12, May 71
Effect of the purification of virus antigens on the production of specific complement-fixing antibodies. Engler R, et al. Appl Microbiol 21:653-6, Apr 71
Use of horseradish peroxidase-labeled antibody for light and electron microscope localization of reovirus antigen. Ubertini T, et al. Appl Microbiol 21:534-8, Mar 71
Reovirus antibodies in human sera in South India. George S, et al. Indian J Med Res 58:1680-5, Dec 70
Reovirus type 2: induction of viral resistance and interferon production in fathead minnow cells. Oie HK, et al. Proc Soc Exp Biol Med 136:369-73, Feb 71

ISOLATION & PURIFICATION

Concentration and purification of viruses by adsorption to and elution from insoluble polyelectrolytes. Wallis C, et al. Appl Microbiol 21:703-9, Apr 71
Bluetongue virus: some relationships among North American isolates and further comparisons with EHD

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

virus. Thomas FC, et al.
Can J Comp Med 35:187-91, Jul 71
Feline reovirus. Scott FW.
J Am Vet Med Assoc 158:Suppl 2:944-5, 15 Mar 71 (5 ref.)
An evaluation of the mouse antibody production test for detecting three murine viruses. Lewis VJ, et al.
Lab Anim Sci 21:203-5, Apr 71
The typing of bluetongue virus. Davies FG, et al.
Res Vet Sci 12:181-3, Mar 71
A reovirus isolated from a pig. McFerran JB, et al.
Res Vet Sci 11:388-90, Jul 70
Isolation and characterisation of a reovirus from pigs. Kasza L. Vet Rec 87:681-6, 28 Nov 70
Isolation and identification of African horse-sickness virus in Nigeria. Kemp GE, et al.
Vet Rec 89:127-8, 24 Jul 71
[Isolations of reovirus in the endemic Malagasy insectivora Hemicentetes semispinosus G. Cuvier 1798 (Tenrecidae)] Coulanges P, et al.
C R Soc Biol (Paris) 164:476-7, 25 Sep 70 (Fre)
[Demonstration of reoviruses in sewage] Knocke KW, et al. Zentralbl Bakteriol [Orig] 203:417-21, 1967 (Ger)

METABOLISM

Ribonucleoside triphosphate-dependent pyrophosphate exchange of Reovirus cores.
Wachsman JT, et al. J Virol 6:563-5, Oct 70
Demonstration that the same strand of reovirus genome RNA is transcribed in vitro and in vivo. Hay AJ, et al. Virology 44:450-3, May 71

PATHOGENICITY

Cellular DNA replication in infections with cytocidal RNA viruses. Hand R, et al.
J Child Psychol Psychiatry 12:527-36, Jun 71
Enhancement of reovirus infectivity by extracellular removal or alteration of the virus capsid by proteolytic enzymes. Spendlove RS, et al.
J Gen Virol 8:83-94, Aug 70
Tests for oncogenicity of viruses under conditions of altered host and virus. Larson VM, et al.
Proc Soc Exp Biol Med 136:1304-13, Apr 71
Cytochemistry of virus-induced inclusions containing nucleic acids. Love R, et al.
Proc Soc Exp Biol Med 136:1072-7, Apr 71
Experimental infection of pigs with a human strain of type I reovirus. McFerran JB, et al.
Res Vet Sci 12:174-5, Mar 71
[Reovirus in pediatric pathology] Morrone G.
Pediatria (Napoli) 78:901-12, 1970 (Ita)

REOVIRUS INFECTIONS (C1)

MICROBIOLOGY

[Reovirus in pediatric pathology] Morrone G.
Pediatria (Napoli) 78:901-12, 1970 (Ita)

PATHOLOGY

Reovirus type 3 encephalitis: observations of virus-cell interactions in neural tissues. II. Electron microscopic studies. Gonatas NK, et al.
Lab Invest 24:101-9, Feb 71
Reovirus type 3 encephalitis: observations of virus-cell interactions in neural tissues. I. Light microscopy studies. Margolis G, et al. Lab Invest 24:91-100, Feb 71

VETERINARY

Reovirus antibody in primates. Kalter SS, et al.
Am J Epidemiol 93:403-12, May 71
Feline reovirus. Scott FW.
J Am Vet Med Assoc 158:Suppl 2:944-5, 15 Mar 71 (5 ref.)
The pathology of experimental infection of pigs with type I reovirus of porcine origin. Baskerville A, et al.
Res Vet Sci 12:172-4, Mar 71
Experimental reovirus infection in dogs: a preliminary report. Thompson H, et al. Res Vet Sci 11:302-4, May 70
Isolation and characterisation of a reovirus from pigs. Kasza L. Vet Rec 87:681-6, 28 Nov 70
[Evolution of a horse sickness epizootic in Morocco (February 1966--December 1966)] Laaberki A.
Bull Off Int Epizoot 70:921-36, Jul-Aug 69 (Fre)
[Production and control of inactivated vaccines against horse sickness] Stellmann C, et al.
Bull Off Int Epizoot 70:1031-57, Jul-Aug 69 (Fre)

REPRESSION (F1, F2)

Repression, psychopathology and drive representation: an experimental hypnotic investigation of impulse inhibition. Perkins KA, et al.
Am J Clin Hypn 13:249-58, Apr 71
Age regression with unexpected reappearance of a repressed childhood language. Fromm E.
Int J Clin Exp Hypn 18:79-88, Apr 70
Subliminally stimulated brain and verbal responses of twins differing in repressiveness. Fritzler DE, et al.
J Abnorm Psychol 76:39-46, Aug 70
Autonomic responses to threatening stimuli in relation to the repression-sensitization dimension. Simal FJ, et al. J Abnorm Psychol 76:106-9, Aug 70
Relationship between repression-sensitization and a measure of self-actualization. Foulds ML, et al.
J Consult Clin Psychol 36:257-9, Apr 71
Sexual responsivity of defensive and nondefensive sensitizers and repressors. Schill T, et al.
J Consult Clin Psychol 35:44-7, Aug 70
Arousal level in repressors and sensitizers as a function of response context. Stein SH.
J Consult Clin Psychol 36:386-94, Jun 71
Repression-sensitization response mode and verbal avoidance. Axtell B, et al.
J Pers Soc Psychol 18:133-7, May 71
The relationship between the Repression-Sensitization Scale and the Incomplete Sentences Blank. Baker RP, et al. J Proj Tech Pers Assess 34:492-6, Dec 70
Conformity and repression-sensitization. Khol TA, et al. J Soc Psychol 84:251-6, Aug 71
Repressor-sensitizer differences on repeated exposures to pain. Davidson PO, et al.
Percept Mot Skills 31:711-4, Dec 70
Dream recall and repression-sensitization. Bone RN, et al. Psychol Rep 27:766, Dec 70
Relevance of repression-sensitization to neurotic patients in milieu treatment. Mayo PR, et al.
Psychol Rep 28:794, Jun 71
[The law of specific blindness] Cahen R.
Evol Psychiatr (Paris) 34:681-9, Oct-Dec 69 (Fre)

REPRESSOR GENES see under GENES, REGULATOR (G1)

REPRODUCTION (G1)

Hyperbarism and reproduction. I. Influence of continuous and intermittent hyperbaric exposure upon reproduction in rats. Howe GR.
Aerosp Med 41:1244-6, Nov 70
Dogma disputed. Does reproductive compensation exist? An analysis of Rh data. Reed TE.
Am J Hum Genet 23:215-24, Mar 71 (34 ref.)
Hepatic metabolic activity related to reproduction. Hall DG, et al.
Am J Obstet Gynecol 109:744-53, 1 Mar 71
The noetic dimension of human reproduction. Richardson AC, et al.
Am J Obstet Gynecol 110:808-24, 15 Jul 71
Uptake of 59Fe as a tool for study of the crowding effect in Biomphalaria glabrata. Gazzinelli G, et al.
Am J Trop Med Hyg 19:1034-7, Nov 70
Glycogen content of rabbit tubular genitalia from mating through implantation. Gregoire AT, et al.
Anat Rec 169:253-8, Feb 71
Bipolar budding in yeasts--an electron microscope study. Kreger-van Rij NJ, et al.
Antonie van Leeuwenhoek 37:125-36, 1971
Conidiation in Neurospora crassa. Turian G, et al.
Arch Mikrobiol 77:262-74, 1971
Physiology of the reproductive cycle in the cockroach Byrsotria fumigata (Guérin). Barth RH Jr, et al.
Biol Bull 139:447-60, Dec 70
Experimental studies on the endocrinology and reproductive biology of the viviparous polychaete annelid, Nereis limnicola Johnson. Baskin DG, et al.
Biol Bull 139:461-75, Dec 70
Role of the corpora cardiaca in the behavior of saturniid moths. II. Oviposition. Truman JW, et al.
Biol Bull 140:8-14, Feb 71
Protein-calorie deficiency in rats. Growth and reproduction. Stewart RJ, et al.
Br J Nutr 25:175-80, Jan 71
The reproductive performance of British breeds of sheep in an equatorial environment. II. Lowland breeds. Beaty T, et al. Br Vet J 127:10-9, Jan 71
The reproductive performance of British breeds of sheep in an equatorial environment. I. Mountain breeds. Beaty T, et al. Br Vet J 127:1-9, Jan 71
Effects of feeding coho salmon and other Great Lakes fish on mink reproduction. Aulerich RJ, et al.
Can J Zool 49:611-6, May 71
Adrenal weights in relation to reproductive status in the pika, Ochotona princeps (Richardson). Millar JS.
Can J Zool 48:1137-40, Sep 70
Shell thickness, DDE levels in eggs, and reproductive success in common terns (Sterna hirundo), in Alberta. Switzer B, et al. Can J Zool 49:69-73, Jan 71
Changes in GSH activity of anterior pituitary glands and of blood plasma during the laying cycle of the hen. Imai K, et al. Endocrinology 88:1465-70, Jun 71
The effects of immunization with human placental lactogen on reproduction in female rats. el-Tomi AE, et al. Endocrinology 87:1181-5, Dec 70
Prolonged selfing in hymenolepis microstoma (cestoda). Jones AW, et al.
Exp Parasitol 29:223-9, Apr 71
Effect of lesions in the temporal lobe and rhinencephalon on reproductive function in adult female rhesus monkeys. Erikson LB, et al.
Fertil Steril 21:434-54, May 70
Effects of prolonged estrous cycles on reproduction in aged rats. Fugo NW, et al.
Fertil Steril 22:98-101, Feb 71
Reproductive patterns of three species of macaques. MacDonald GJ. Fertil Steril 22:373-7, Jun 71
Reproduction in the lesser bushbaby (Galago senegalensis moholi) under semi-natural conditions. Doyle GA, et al. Folia Primatol (Basel) 14:15-22, 1971
Studies on the infracerebral gland of the polychaete annelid, Nereis limnicola, in relation to reproduction, salinity, and regeneration. Baskin DG.
Gen Comp Endocrinol 15:352-60, Oct 70
Lipid metabolism in relation to reproduction & mouing in the crab, Paratelphusa hydrodromous (Herbst): phospholipids & reproduction. Adiyodi RG, et al.
Indian J Exp Biol 8:222-3, Jul 70
Effect of antihyaluronidase antibody on reproduction in rabbit. Bhattacharya BC.
Indian J Exp Biol 8:78-80, Apr 70
Studies on mating. II. The effect of ethanol on sperm transport and ovulation in successfully mated rabbits. Sharma SC, et al. Indian J Med Res 58:501-4, Apr 70
Growth and reproduction in mandya ewes as affected by low and high levels of crude protein. Chaturvedi ML, et al. Indian Vet J 48:605-8, Jun 71
Comparison of the reproductive performance of rats at high altitude (3,800 m) and at sea level. Nelson ML, et al. Int J Biometeorol 14:187-93, Jun 70
Food and water consumption and the reproductive performance of the heat-acclimated female rat. Sod Moriah UA, et al. Int J Biometeorol 14:293-300, Sep 70
Effects of energy intake and dichlorvos during gestation on reproductive performance of gilts and some chemical characteristics of the offspring. Anderson RH, et al. J Anim Sci 31:907-16, Nov 70
Intrapopulation versus reciprocal recurrent selection in swine. Biswas DK, et al. J Anim Sci 32:840-8, May 71
Metabolites of progesterone and estrogen in domestic sow urine. 3. Effect of litter size. Edgerton LA, et al.
J Anim Sci 32:936-42, May 71
Effect of lactation feeding level of the sow on performance and subsequent reproduction. Hitchcock JP, et al. J Anim Sci 33:30-4, Jul 71
Effect of energy levels provided ewe lambs post-weaning on their development and subsequent production. Jordan RM, et al.
J Anim Sci 31:950-5, Nov 70
Effect of suckling on postpartum anestrus in ewes lambing in different seasons of the year. Mallampati RS, et al. J Anim Sci 32:873-7, Apr 71
Factors affecting sow farrowing interval. Moody NW, et al. J Anim Sci 32:510-4, Mar 71
Reproduction in Brahman, Shorthorn and crossbred cows on different pasture programs. Peacock FM, et al. J Anim Sci 33:458-65, Aug 71
Calving interval, gestation and postpartum periods of indigenous Central African cattle under a restricted system of breeding. Rakha AM, et al.
J Anim Sci 32:507-9, Mar 71
Reproductive steroids in the bovine. V. Comparisons of fertile and nonfertile cows 0 to 42 days after breeding. Randel RD, et al. J Anim Sci 33:104-14, Jul 71
Serum metabolites of pregnant and hysterectomized gilts fed two levels of energy. Ruiz ME, et al.
J Anim Sci 32:1153-9, Jun 71
The effect of surgical isolation of the hypothalamus upon reproductive function in the female guinea-pig. Butler JE, et al. J Endocrinol 50:507-14, Jul 71
The effect of surgical isolation of the hypothalamus on reproductive function in the female rat. Butler JE, et al. J Endocrinol 49:293-304, Feb 71
Studies on canine reproductive behaviour. Christie DW, et al. J Endocrinol 48:3-4, Sep 70
Blood levels of milk-ejection activity (oxytocin) in the female goat during mating. McNeilly AS, et al.
J Endocrinol 48:lx-x, Sep 70
Effects of sub-lethal high temperature on an insect, Rhodnius prolixus (Stål.). V. A possible mechanism of the inhibition of reproduction. Okasha AY.
J Exp Biol 53:37-45, Aug 70
Effects of sub-lethal high temperature on an insect, Rhodnius prolixus (Stål.). IV. Egg formation, oviposition and sterility. Okasha AY, et al.
J Exp Biol 53:25-36, Aug 70
Censuses of pinnipeds breeding on the California Channel Islands. Odell DK.
J Mammal 52:187-90, Feb 71
Seasonal changes in reproductive and related organs in the pine vole, Microtus pinetorum, in southwestern Virginia. Valentine GL, et al.
J Mammal 51:553-60, Aug 70
Spermatogenesis in some neotropical species of Myotis. Wilson DE, et al. J Mammal 52:420-6, May 71
Effects on litter size and litter survival in Swiss mice infected with Trichinella spiralis during gestation. Weatherly NF. J Parasitol 57:298-301, Apr 71
Growth and reproduction of mice cross-fostered between parents reared at different temperatures. Barnett SA, et al. J Physiol (Lond) 215:665-78, Jul 71
The seasonal nature of reproductive phenomena in the sheep. I. Variation in sensitivity to oestrogen. Gibson WR, et al. J Reprod Fertil 24:9-18, Jan 71
The reproductive cycle of the African Pygmy and Toggenburg goat. Jarosz SJ, et al.
J Reprod Fertil 24:119-23, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Reproduction in the female green acouchi, Myoprocta pratti Pocock. Kleiman DG.
J Reprod Fertil 23:55-65, Oct 70
Effect of increased and diminished functional loading with physical work on the reproductive function of rats: physical work, hypodynamics and reproduction. Mateeff D, et al. J Reprod Fertil 24:337-44, Mar 71
The effect of controlling the interval from mating to ovulation on pregnancy rate in ewes treated with progesterone. Roche JF, et al.
J Reprod Fertil 24:307-9, Feb 71
Reproduction in female wild guinea-pigs. Rood JP, et al.
J Reprod Fertil 23:393-409, Dec 70
The second Hammond Memorial Lecture. The role of reproductive research in animal production. Rowson LE. J Reprod Fertil 26:113-26, Jul 71
Reproduction in the heat-acclimatized female rat as affected by high ambient temperature. Sod-Moriah UA. J Reprod Fertil 26:209-18, Aug 71
The reproductive physiology of the plains viscacha, Lagostomus maximus. Weir BJ.
J Reprod Fertil 25:355-63, Jun 71
Some observations on reproduction in the female agouti, Dasyprocta aguti. Weir BJ.
J Reprod Fertil 24:203-11, Feb 71
Some observations on reproduction in the female green acouchi, Myoprocta pratti. Weir BJ.
J Reprod Fertil 24:193-201, Feb 71
The human reproduction knowledge of prospective elementary teachers. Bender SJ.
J Sch Health 41:273-4, May 71
Breast cancer and reproduction. Clemmensen J.
Lancet 2:928, 31 Oct 70
Endocrine regulation of reproduction. Midgley AR Jr.
Minn Med 53:1226, Dec 70
Fitness of heterozygotes of deleterious recessive mutations in the mouse. Green EL.
Mutat Res 12:281-9, Jul 71
Enzyme variants as markers in the study of pre-copulatory isolating mechanisms. Coluzzi M, et al.
Nature (Lond) 231:455-6, 18 Jun 71
The role of prostaglandins in reproductive physiology. Bardin TP.
Ohio State Med J 66:1008-12, Oct 70 (47 ref.)
Natural selection and the origin of life. Allen G.
Perspect Biol Med 14:109-26, Autumn 70
Reproduction of turkeys as affected by age at lighting and light intensity. McCartney MG.
Poult Sci 50:661-2, Mar 71
Dimensions of uterovaginal sperm-storage tubules of the chicken and their possible significance in sperm release. Mero KN, et al. Poult Sci 49:1304-8, Sep 70
The interaction of light and temperature in Coturnix. Wilson WO, et al. Poult Sci 50:204-7, Jan 71
Longevity and reproduction in Japanese quail maintained under stimulatory lighting. Woodard AE, et al. Poult Sci 50:688-92, May 71
Modern views on physiology. XXI. Regulation of reproduction. Roddie IC.
Practitioner 205:378-88, Sep 70
Mating reactions of pigmented and non-pigmented isolates of Arthroderma uncinatum. Padhye AA, et al.
Sabouraudia 8:112-5, Aug 70
Porifera: sudden sperm release by tropical Demonspongiae. Reiswig HM.
Science 170:538-9, 30 Oct 70
Productivity in sows (limiting factors). Dunne HW.
Vet Med Small Anim Clin 66:112-3 passim, Feb 71
Reproductive expectancy and infertility in cattle. David JS, et al. Vet Rec 89:181-5, 14 Aug 71
Reproductive physiology and artificial insemination in pigs. Du Mesnil du Buisson F, et al.
Vet Rec 87:562-8, 7 Nov 70
Some aspects of reproductive efficiency in sheep. Lees JL. Vet Rec 88:86-95, 23 Jan 71
A comparison between the use of a vasectomised ram and hormone impregnated intravaginal sponges. Ross DB. Vet Rec 87:273-5, 29 Aug 70
The reproductive behaviour of pigs in relation to fertility. Signoret JP. Vet Rec 88:34-8, 9 Jan 71
Biological components of human reproduction. Studies of their variations in population groups.
WHO Tech Rep Ser 435:1-41, 1969
Effect of sex-linked genes on body size and reproduction. Jaap RG.
Worlds Poult Sci J 27:281-2, Jul-Sep 71
Quantitation of the cells of the seminiferous epithelium of the human testis employing the sertoli cell as a constant. Rowley MJ, et al.
Z Zellforsch Mikrosk Anat 115:461-72, 1971
Iodine metabolism in relation to reproductive status in cows. Afiefy MM, et al.
Zentralbl Veterinaermed [A] 17:62-7, Jan 70
[Should a diabetic have children?] Brunecký Z.
Bratisl Lek Listy 54:653-7, Dec 70 (Cze)
[Problems of developing large goose farms in Czechoslovakia] Grom A.
Aliment Vie 57:123-5, 1969 (Fre)
[Reproduction and sex behavior of the Canadian goose] Wood JS. Aliment Vie 57:96-7, 1969 (Fre)
[Contribution to the study of the mechanism of the refractory period of the gonads in birds] Roudneva LM.
Ann Endocrinol (Paris) 31:1065-9, Nov-Dec 70 (Fre)
[Sexuality of higher crustacea] Berreur-Bonnenfant J, et al. Annee Biol 9:427-39, Jul-Oct 70 (Fre)
[Gametogenesis and sexualization] Brien P.
Annee Biol 9:373-93, Jul-Oct 70 (Fre)
[Genetic variation estimated according to the response of the number of ovarioles to selection, in two experimental populations of Drosophila melanogaster meigen] Scheemaeker-Louis M de.
Arch Biol (Liege) 81:495-557, 1970 (Fre)
[The annual cycle of the testis of the guinea-cock] Barbier Y, et al.
Bull Biol Fr Belg 104:119-47, 1970 (Fre)
[On phenomena of intersexuality and monogenesis in the genus Chaetophiloscia (Isopoda, Oniscoidea). II. Monogenesis in Chaetophiloscia elongata (Dollfus) and Ch. sicula (Verhoeff)] Dalens H.
Bull Biol Fr Belg 105:3-52, 1971 (Fre)
[Cycle of the nematode Seuratum cadarachense Desportes, 1947. Affinities between the evolutive cycles of Seuratidae and Rictulariidae] Quentin JC.
C R Acad Sci [D] (Paris) 270:2311-4, 11 May 70 (Fre)
[Further observations on the asexual reproduction of Toxoplasma gondii and considerations on the concept of endogenesis] Vivier E.
C R Acad Sci [D] (Paris) 271:2123-6, 9 Dec 70 (Fre)
[Initial quantitative data on endocrine activity of the nereid brain during the sexual cycle] Durchon M, et al.
Gen Comp Endocrinol 16:555-65, Jun 71 (Fre)
[Note on modalities of insemination in Glossina (Diptera-Muscidae)] Tibayrenc R, et al.
Rev Elev Med Vet Pays Trop 23:333-5, 1970 (Fre)
[Research problems in the reproduction physiology of domestic animals] Mann T.
Dtsch Tieraerztl Wochenschr 78:78-81, 15 Feb 71 (Ger)
[Problems of reproduction from the viewpoint of human genetics] Lenz W.
Hippokrates 39:641-4, 15 Sep 68 (Ger)
[Economic effects of elimination of bovine tuberculosis on the productivity of cattle herds. 3. Effect on reproduction] Meisinger G.
Monatsh Vet Med 25:175-80, 1 Mar 70 (Ger)
[Hermaphroditism and autogamy in the carp] Kossmann H.
Naturwissenschaften 58:328-9, Jun 71 (Ger)
[Influencing of sex in pedogenetically produced young larvae of heterogenetic gall midges] Pohlhammer K, et al. Naturwissenschaften 57:677, Dec 70 (Ger)
[Isolation and function of sex peptide in Drosophila melanogaster] Chen PS, et al.
Rev Suisse Zool 77:548-54, Sep 70 (Ger)
[Biometry and reproduction biology of the red field mouse Clethrionomys glareolus (Schreber, 1780) at different altitudes in Switzerland] Claude C.
Rev Suisse Zool 77:435-80, Jun 70 (Ger)
[Nutritional-physiological properties of fish-frying fats. 2. Influence on reproduction and rearing of progeny] Lang K, et al.
Z Ernaehrungswiss 10:234-8, Apr 71 (Ger)
[Antigenicity and autoimmunity in sexual reproduction. Own report] Shulman S.
Z Haut Geschlechtskr 45:765-6, 15 Nov 70 (Ger)
[Hormonal control of the reproductive behaviour of the sunfish Lepomis gibbosus (L.) (Centrarchidae, Teleostei)] Kramer B.
Z Tierpsychol 28:351-86, Jun 71 (Ger)
[Relationships and interferences between the hypothalamus, pituitary gland and peripheral receptors in the mechanism of regulation of the third gonadotropic hormone. I. Presence and behavior of the prolactin inhibiting factor in the bovine and buffalo hypothalamus in special periods of the sex cycle] Calaprice A.
Acta Med Vet (Napoli) 16:343-61, Sep-Dec 70 (Ita)
[Reproduction of Milax gagates (Drapernaud). Mollusca gastropoda pulmonata] Quattrini D.
Boll Soc Ital Biol Sper 46:802-5, 15 Oct 70 (Ita)
[Review on immunoreproduction--female system] Isojima S.
Clin Endocrinol (Tokyo) 18:885-92, Nov 70 (80 ref.) (Jap)
[Immunoreproduction] Ochiai K.
Clin Endocrinol (Tokyo) 18:871-3, Nov 70 (Jap)
[Reproductive significance in immunological correlation between the feto-placental unit and maternal body] Takeuchi S.
Clin Endocrinol (Tokyo) 18:874-84, Nov 70 (63 ref.) (Jap)
[Action of steroid hormone in control of metabolism and its significance in initiation of pregnancy and gestation] Sugawa T, et al.
J Jap Obstet Gynecol Soc 22:825-32, Aug 70 (Jap)
[Sexual cycle] Inoue S.
J Physiol Soc Jap 33:126-34, Feb 71 (Jap)
[Significance of hormones in reproduction] Sugawa T.
Jap J Clin Med 29:843-8, Feb 71 (Jap)
[Influence of biologically inferior food proteins on the reproductive function of animals] Fofanov VI, et al.
Akush Ginekol (Mosk) 46:48-51, May 70 (Rus)
[Current state of knowledge of the early stages of normal embryonic development in man] Knorre AG.
Arkh Anat Gistol Embriol 57:3-22, 1969 (82 ref.) (Rus)
[Morphological changes in neurosecretory cells in the preoptic nucleus of Gobius batrahocephalus Pallas in relation to its reproductive cycle] Moiseeva EB.
Dokl Akad Nauk SSSR 194:977-80, 1 Oct 70 (Rus)
[Some data of a morphological comparison of the hypophyses of Gobius melanostomus Pall. and Gobius batrachocephalus Pall. characterized by intermittent and single spawning] Moiseeva EB.
Dokl Akad Nauk SSSR 198:467-70, 1971 (Rus)
[Structure and function of the thyroid gland in females of the Lapland whitefish (Coregonus laveretus L.) during yearly and non-yearly spawning] Zaitsev AV.
Dokl Akad Nauk SSSR 198:1228-31, 1971 (Rus)
[Methods for determining the number of generations in synantropic flies] Levkovich VG.
Med Parazitol (Mosk) 39:103-6, Jan-Feb 70 (Rus)
[The sexual cycle of Eryius discophorus (Schmidt) (Porifera, Tetractinellida)] Scalera Liaci L, et al.
Riv Biol 63:255-70, Apr-Jun 70 (Mul)

DRUG EFFECTS

Studies on the minimal exposure time for androgen to evoke sterility in female rats. Alkiint T, et al.
Acta Physiol Scand 80:5A, Dec 70
Effects of immunization with human placental lactogen on reproduction in female rabbits. el-Tomi AE, et al.
Am J Obstet Gynecol 109:74-7, 1 Jan 71
Toxic effects of trace elements on the reproduction of mice and rats. Schroeder HA, et al.
Arch Environ Health 23:102-6, Aug 71
Some toxicological aspects of a nicotinamide-methylaminopyrazolone (Ra 101). Tubaro E, et al. Arzneim Forsch 20:1024-9, Aug 70
Evaluation of safety for food additives: An illustration involving the influence of methyl salicylate on rat reproduction. Gross MA, et al.
Biometrics 26:181-4, Jun 70
The routine treatment of breeding ewes with 2-iodo-4-cyano-6-nitrophenol with (nitroxynil). Lucas JM. Br Vet J 126:487-94, Sep 70
Effect of estrogen and anti-estrogen on reproductive function in neonatally androgenized female rats. Napoli AM, et al. Endocrinology 87:1330-7, Dec 70
Testing of LSD-25 and related compounds for possible effects on egg-laying capacity and egg-to-adult viability in Drosophila. Kastritsis CD, et al.
Experientia 27:707-8, Jun 71
Effect of thyroidectomy and administration of thyroxine on ovulation and spawning in vivo, in vitro and in transplantation in the skipper frog, Rana cyanophlyctis (Schn). Sarkar HB, et al.
Gen Comp Endocrinol 16:594-8, Jun 71
The effect of human chorionic gonadotrophin and of ethamoxytriphetol (MER-25) on the reproductive performance of the mouse. Skinner A, et al.
Guys Hosp Rep 120:25-30, 1971
Subnormal reproduction in beagle dogs induced by DDT and aldrin. Deichmann WB, et al.
Ind Med Surg 40:10-20, May 71
Effect of the acetophenone derivative of 16 alpha, 17 alpha--dihydroxyprogesterone on the organ weights and reproduction of female mice. Munshi SR, et al.
Indian J Med Res 57:1475-80, Aug 69
Effects of chlormadinone acetate (Estrostat) on preweaning and postweaning growth rate and breeding efficiency of beef heifers. Bradley NW, et al.
J Anim Sci 33:421-5, Aug 71
Reproductive performance in goats treated with progestogen impregnated sponges and gonadotrophins. Dhindsa DS, et al.
J Anim Sci 32:301-5, Feb 71
Reproductive performance of ewes in an early-weaning, controlled-breeding program. Ellington EF, et al. J Anim Sci 31:927-32, Nov 70
Estrus synchronization and subsequent fertility in dairy cattle treated with 17-alpha-ethyl-19-nortestosterone (Nilevar) and 17-alpha-ethynyl-19-nortestosterone (SC4640). Liang L, et al. J Anim Sci 33:96-8, Jul 71
Reproductive performance following long-term treatment with melengestrol acetate. O'Brien CA, et al. J Anim Sci 31:923-6, Nov 70
Effects of dietary protein and iron on reproduction and iron-related blood constituents in swine. Spruill DG, et al. J Anim Sci 33:376-84, Aug 71
Multiple births in beef cows treated with equine gonadotropin (PMS) and chorionic gonadotropin (HCG). Turman EJ, et al. J Anim Sci 32:962-7, May 71
Influences of calcium intake and vitamin D supplementation on reproductive performance of dairy cows. Ward G, et al. J Dairy Sci 54:204-6, Feb 71
Some behavioral effects of metepa and tretamine on Drosophila melanogaster. Gadaliah AI, et al.
J Econ Entomol 64:432-6, Apr 71
Effects of disulfiram on growth, longevity, and reproduction of the albino rat. Holck HG, et al.
J Pharm Sci 59:1267-70, Sep 70
Effect of dietary neomycin-terramycin on reproductive performance in turkeys. Touchburn SP, et al.
Poult Sci 50:151-5, Jan 71
Sterility and reproductive inhibition of Japanese quail induced by mestranol ingestion. Wentworth BC.
Poult Sci 49:1477-84, Nov 70
The effect of ronidazole on reproductive performance

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of Japanese quail. Yu WC, et al.
Poult Sci 50:977-9, May 71
Effects of ACTH on voles (Microtus pennsylvanicus) related to reproductive function and renal disease. Pasley JN, et al.
Proc Soc Exp Biol Med 137:268-72, May 71
Ecdysones and synthetic analogs: Molting hormone activity and inhibitive effects on insect growth, metamorphosis and reproduction. Robbins WE, et al.
Steroids 16:105-25, Jul 70
Effect of furylfuramide on reproduction and malformation. Miyaji T.
Tohoku J Exp Med 103:381-8, Apr 71
Two-year feeding and reproduction study in rats with linear alkylbenzene sulfonate (LAS). Buehler EV, et al. Toxicol Appl Pharmacol 18:83-91, Jan 71
The effect of carbaryl(Sevin) on reproduction of the rat and the gerbil. Collins TF, et al.
Toxicol Appl Pharmacol 19:202-16, Jun 71
Effect of methyl salicylate on rat reproduction. Collins TF, et al. Toxicol Appl Pharmacol 18:755-65, Apr 71
Uterotropic activity of DDT in rats and mink and its influence on reproduction in the rat. Duby RT, et al.
Toxicol Appl Pharmacol 18:348-55, Feb 71
Reproduction and teratology studies on propoxyphene napsylate. Emmerson JL, et al.
Toxicol Appl Pharmacol 19:471-9, Jul 71
The effects of disodium etidronate on the reproductive functions and embryogeny of albino rats and New Zealand rabbits. Nolen GA, et al.
Toxicol Appl Pharmacol 18:548-61, Mar 71
[Hormonal control of parturition in the seahorse (Hippocampus, Syngnathidae, Teleostei)] Fiedler K.
Z Tierpsychol 27:679-86, Sep 70 (Ger)
[Hormonal regulation of reproduction in laboratory rodents] Neumann F.
Z Versuchstierkd 12:162-86, 1970 (Ger)
[Effects of 2 gestogenic substances on the reproductive function and structure of the genital organs of young sows] Steinbach J, et al.
Zentralbl Veterinaermed [A] 17:42-61, Jan 70 (Ger)
[Relations between zinc and growth and reproduction of the albino rat] Trentini GP, et al.
Boll Soc Ital Biol Sper 45:602-7, 15 May 69 (Ita)
[After effects of interferon] Ershov FI, et al.
Antibiotiki 15:832-6, Sep 70 (Rus)
[Effect of colicin D on the multiplication of phage T2 in sensitive bacteria] Larionova TI, et al.
Antibiotiki 15:992-5, Nov 70 (Rus)
[Effect of morphocycline and levomycetin on the multiplication of Clostridia] Poliak MS.
Antibiotiki 15:1005-10, Nov 70 (Rus)
[Toxic effect of carbon disulfide on the function of reproduction and increase in the effect produced by tryptophan] Iaroslavskif VK.
Biull Eksp Biol Med 68:88-91, Oct 69 (Rus)
[Effect of chronic intoxication with ethylated gasoline on spermatogenesis and sexual function in males] Neshkov NS. Gig Tr Prof Zabol 15:45-6, 1971 (Rus)
[Impregnation of the housefly Musca domestica L. II] Lineva VA, et al.
Med Parazitol (Mosk) 40:54-9, Jan-Feb 71 (Rus)
[Experimental design of hygienic studies on the effect of chemical compounds on the reproductive function of animals] Shtenberg AI, et al.
Vestn Akad Med Nauk SSSR 25:65-72, 1970 (Rus)
[Effect of hexachlorcyclohexane gamma-isomer and sevin on sexual function] Trifonova TK, et al.
Veterinariia 6:91-3, Jun 70 (Rus)
[Effect of the food dye amaranth on reproductive function and development of offspring in experiments with white rats] Shtenberg AI, et al.
Vopr Pitan 29:66-73, Mar-Apr 70 (Rus)
[Effect of small doses of sevin on the reproductive function of animals from several generations] Shtenberg AI, et al. Vopr Pitan 30:42-9, 1971 (Rus)

HISTORY

[Reproduction biology and artificial insemination from the viewpoint of 20 congresses] Müller E.
Dtsch Tieraerztl Wochenschr 78:81-4, 15 Feb 71 (Ger)

RADIATION EFFECTS

Sex ratio in offspring of survivors exposed prenatally to the atomic bombs in Hiroshima and Nagasaki. Jablon S, et al. Am J Epidemiol 93:253-8, Apr 71
The effects of acute gamma irradiation on the brine shrimp, Artemia. I. Life spans and male reproductive performance. Squire RD, et al.
Biol Bull 139:363-74, Oct 70
The effects of acute gamma irradiation on the brine shrimp, Artemia. II. Female reproductive performance. Squire RD. Biol Bull 139:375-85, Oct 70
The effect of ionizing radiation on the reproductive capacity of forest trees. Mergen F, et al.
Health Phys 19:37-45, Jul 70
Sensitivity of Artemia eggs to -irradiation. IX. A correlation between radiation-induced free radicals and hatchability in eggs exposed to -mercaptoethylamine. Iwasaki T.
Int J Radiat Biol 20:39-47, 1971
Theory of radiation dose-survival curves for the case where organism lethality is defined as loss of reproductive capacity. Craig AG.
J Theor Biol 32:259-67, Aug 71
[Egg yield in hens under the effects of incorporated iodine-131] Kirshin VA, et al.
Radiobiologiia 10:736-9, Sep-Oct 70 (Rus)

REPTILES (B2)

Salmonella and Arizona in reptiles and man in Western Australia. Iveson JB, et al.
J Hyg (Camb) 67:135-45, Mar 69
Ecology of the brontosaurs. Bakker RT.
Nature (Lond) 229:172-4, 15 Jan 71
Changing dinosaurs--but not in mid-stream.
Nature (Lond) 229:153, 15 Jan 71
Brightness discrimination learning in caimans. Williams JT Jr, et al.
Percept Mot Skills 30:259-62, Feb 70
Occurrence of Neorailletnema praeputiale (Skrjabin, 1916) Ballesteros Marquez, 1945 in reptilian host. Deshmukh PG. Riv Parassitol 31:43-6, Mar 70
Trichomonas sp. from reptiles of Ceylon. Kannangara DW. Trans R Soc Trop Med Hyg 64:935, 1970
The management and the pathology of amphibians and reptiles. Elkan E. Vet Rec 87:197-9, 15 Aug 70
The distribution of various types of Salmonellae and Arizonas in reptiles. Zwart P, et al.
Zentralbl Bakteriol [Orig] 213:201-12, 1970
[A study of amelogenesis in certain reptiles] Weill R, et al.
Arch Anat Microsc Morphol Exp 59:427-34, Oct-Dec 70 (Fre)
[Ultrastructure of the undulating membrane of a reptilian blood form of Trypanosoma] Ranque P, et al.
C R Soc Biol (Paris) 164:1898-9, 1970 (Fre)
[Knowledge of the tick fauna in game animals of the Serengeti] Hoffmann G, et al.
Acta Trop (Basel) 27:193-207, 1970 (Ger)
[A case of keratoconjunctivitis and endogenous uveitis in an alligator] Maroit J, et al.
Dtsch Tieraerztl Wochenschr 77:190-2, 15 Apr 70 (Ger)
[Occurrence of Salmonellae in captive wild animals. 2. Occurrence in reptiles] Schröder HD.
Monatsh Vet Med 25:547-50, 15 Jul 70 (Ger)
[Tumors and cysts in reptiles due to fowl sarcoma virus] Veskova TK, et al.
Vopr Virusol 15:217-20, Mar-Apr 70 (Rus)

ANATOMY & HISTOLOGY

Considerations on the ependyma of the encephalic ventricles of Tropidonotus natrix, Alligator mississipiensis and Testudo graeca. Carvalho CA de.
Acta Anat (Basel) 76:352-80, 1970
Variation in bone matrix volume associated with osteocyte lucunae in mammalian and reptilian bone. Hobdell MH, et al. Isr J Med Sci 7:492-3, Mar 71
Hypsilophodon, the cursorial non-arboreal dinosaur. Galton PM. Nature (Lond) 231:159-61, 21 May 71
Cytology of the neuro-intermediate lobe of the tuatara, Sphenodon punctatus Gray. Weatherhead B.
Z Zellforsch Mikrosk Anat 119:21-42, 1971
[Morphology, histology and histochemistry of the femoral glandes in a male specimen of Ctenosaura acanthura (Shaw) (Reptilia, Sauria, Iguanidae), with reflections on the role of the femoral glands in lizards] Gase JP, et al.
Gegenbaurs Morphol Jahrb 114:572-90, 1970 (Fre)
[Comparative embryologic studies of the early development of the cornea and the pupillary membrane in reptiles, birds and mammals] Dublin I.
Acta Anat (Basel) 76:381-408, 1970 (Ger)
[Ultrastructure of the liquor contacting neurons of the spinal cord of reptiles] Vigh-Teichmann I, et al.
Z Zellforsch Mikrosk Anat 109:180-94, 1970 (Ger)
[Axodendritic synapses with a subsynaptic stria in the reticular formation of reptiles] Kositsyn NS.
Dokl Akad Nauk SSSR 189:1404-6, 21 Dec 69 (Rus)
[Axodendritic connections of the reticular formation of the brain stem in reptiles] Kositsyn NS.
Dokl Akad Nauk SSSR 187:942-4, Aug 69 (Rus)

EMBRYOLOGY

[Monoamines of the pineal organ during the intra-uterine stages of development of an amniote. Studies in Lacerta vivipara (Jacquin), Reptile, Lacertilian] Meiniel A, et al.
C R Acad Sci [D] (Paris) 271:2373-6, 21 Dec 70 (Fre)
[The development of posterior limbs buds and of the pelvic girdle of blindworm embryo (Anguis fragilis L.)] Raynaud A.
C R Acad Sci [D] (Paris) 273:181-4, 12 Jul 71 (Fre)

METABOLISM

Kidney extracts and ACTH on adrenal steroid secretion in a turtle and a crocodilian. Nothstine SA, et al.
Am J Physiol 221:726-32, Sep 71

PHYSIOLOGY

Hearing in the crocodilia. Wever EG.
Proc Natl Acad Sci USA 68:1498-500, Jul 71
The nature of the nonventilatory period in crocodilian respiration. Naifeh KH, et al.
Resp Physiol 11:178-85, Jan 71
The nature of the ventilatory period in crocodilian respiration. Naifeh KH, et al.
Resp Physiol 10:338-48, Oct 70
Study of the control of crocodilian respiration by anesthetic dissection. Naifeh KH, et al.
Resp Physiol 12:251-60, Jun 71
[Behavioral and electrographic expression of natural sleep and wakefulness in reptiles] Karmanova IG, et al. Fiziol Zh SSSR 57:504-11, Apr 71 (Rus)

RESEARCH (H)

see also related
INFORMATION SERVICES (L)
OPERATIONS RESEARCH (L)

Priority setting for R&D at the national level. De Hemptinne Y, et al. Acta Cient Venez 21:165-79, 1970
The chain of discovery. Fell HB.
Adv Sci 27:129-36, Dec 70
Soviet research in space medicine. Parin VV, et al.
Aerosp Med 42:339-40, Mar 71
Medical research facts, fantasies, and philosophy. Eddleman EE Jr. Ala J Med Sci 8:22-6, Jan 71
Nutrition teaching and research in Israel. Guggenheim K. Am J Clin Nutr 23:1370-1, Oct 70
Trends in learning research with the mentally retarded. Gardner JM, et al.
Am J Ment Defic 75:733-8, May 71
Research in occupational therapy. 3. Research design. Ethridge DA, et al. Am J Occup Ther 25:24-8, Jan 71
Research writing. Research in occupational therapy. Ethridge DA, et al.
Am J Occup Ther 25:210-4, May-Jun 71
IV. Data collection and analysis. Research in occupational therapy. Ethridge DA, et al.
Am J Occup Ther 25:90-7, Mar 71
Research in occupational therapy. V. Data interpretation, results and conclusions. Ethridge DA, et al. Am J Occup Ther 25:149-54, Apr 71
Research in occupational therapy. II. The hypothesis. Ethridge DA, et al.
Am J Occup Ther 24:551-5, Nov-Dec 70
National Eye Institute--a new resource for vision research. Kupfer C. Am J Optom 48:85-9, Jan 71
Research related to malocclusion. A "State-of-the-Art" workshop conducted by the Oral-Facial Growth and Development Program, The National Institute of Dental Research. Moorrees CF, et al.
Am J Orthod 59:1-18, Jan 71 (85 ref.)
Van Gieson, a visionary of psychiatric research. (Van Gieson I), Roizin L. Am J Psychiatry 127:180-5, Aug 70
Research in strabismus. Von Noorden GK.
Am Orthopt J 21:15-20, 1971
Ethical issues in research on student protest. Nikelly AG. Am Psychol 26:475-8, May 71
New directions in research on neurotic and psychosomatic symptoms. Luborsky L.
Am Sci 58:661-8, Nov-Dec 70
Fundamental research and surgery. Larmi TK.
Ann Chir Gynaecol Fenn 59:113-4, 1970
Sharing research ideas and facilities. Stolfi JE.
Ann Intern Med 75:143, Jul 71
Professional training on alcoholism. Workshop 1: coordination of research and teaching. Deitrich R, et al. Ann NY Acad Sci 178:70-4, 29 Mar 71
Research training in alcoholism. Harris RT, et al.
Ann NY Acad Sci 178:43-7, 29 Mar 71
Professional training on alcoholism. Preface. Sutton JY. Ann NY Acad Sci 178:3, 29 Mar 71
The department of surgical sciences. Brock.
Ann R Coll Surg Engl 47:344-50, Dec 70
Principles and scope of surgical research. Udupa KN.
Ann R Coll Surg Engl 48:170-80, Mar 71
Heterogeneity and research on depressive disorders. Blumenthal MD.
Arch Gen Psychiatry 24:524-31, Jun 71
Controlled therapeutic trials. Higgins GA Jr.
Arch Surg 102:160-1, Feb 71
The dental specialist in research: a training institute in the speech sciences. Noll JD, et al.
ASHA 13:12-3, Jan 71
Methods in Marek's disease research.
Avian Dis 14:820-8, Nov 70
Some reflections on the methodology of clinical psychopharmacological research. Ban TA.
Behav Neuropsychiatry 3:18-21 passim, Apr-May 71
A program of research on heredity in schizophrenia. Rosenthal D. Behav Sci 16:191-201, May 71
Research in hypnotherapy: studies in behavior organization. Kline MV. Bibl Psychiatr 147:67-87, 1971
Steps in the planning of a research project. Cooper EA.
Br J Anaesth 42:757-63, Sep 70
The role of the hospital in psychiatric research. Monro AB. Br J Psychiatry 118:1-6, Jan 71
Computers in medicine. Clark DE.
Br Med J 4:241, 24 Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Assessing reports of therapeutic trials. Lionel ND, et al. Br Med J 3:637-40, 12 Sep 70

Clinical research in general practice. Porter AM. Br Med J 1:600-2, 13 Mar 71

Double-blind or not? Br Med J 3:597-8, 12 Sep 70

Cancer research. Br Med J 3:65-6, 10 Jul 71

The role of research in the development of methods for the prevention and cure of diseases of the nervous system. Merritt HH. Bull Los Angeles Neurol Soc 36:51-4, Apr 71

A critique of the conflict between mission-oriented and clinical research. Rousselot LM. Bull NY Acad Med 46:906-15, Nov 70

Drug dependence: some research issues. Cameron DC. Bull WHO 43:589-98, 1970

Immunological problems in leprosy research. 1. Clinical and pathological spectrum of leprosy. Bull WHO 43:879-90, 1970

Progress in birth defects research. Bernfield MR. Calif Med 112:26-42, Feb 70 (177 ref.)

Canada's first conference on research in nursing practice. Charter D. Can Hosp 48:37-40, May 71

Problems in studies of human exposure to air pollutants. Bates DV, et al. Can Med Assoc J 103:833-7, 17 Oct 70

Rational drug design: mirage or miracle? Belleau B. Can Med Assoc J 103:850-3, 17 Oct 70

Contributions of Canadian research to medicine. Opening remarks. Sarett LH. Can Med Assoc J 103:817-8, 17 Oct 70

Research, apple juice, and daffodils--a good combination. Kergin DJ. Can Nurse 67:33, Apr 71

National conference on research in nursing practice. Can Nurse 67:34-40, Apr 71

Research in a behavioural science. Grinker RR. Can Psychiatr Assoc J 15:567-76, Dec 70

Recent trends in child psychiatry. Lester EP. Can Psychiatr Assoc J 15:599-604, Dec 70

The Medical Research Council. Chem Br 6:437-9, 10 Oct 70

Contributions of basic research to clinical medicine. Comroe JH Jr. Chest 59:208-11, Feb 71

Conflicting reports in medical literature. Schor S. Chest 59:1, Jan 71

Research for service to severely retarded children. Arnold IL, et al. Children 18:101-4, May-Jun 71

Research by clinical chemists in the United States. A statistical analysis. Rice EW. Clin Chem 16:877-81, Nov 70

Commentary. Closed designs for sequential clinical trials. Becktel JM. Clin Pharmacol Ther 11:781-8, Nov-Dec 70

Research "by immersion"? Boutin R. Dis Nerv Syst 31:Suppl:105-8, Nov 70

Outline for a priority research program in community mental health: the Bayonne project. Draper M, et al. Dis Nerv Syst 31:Suppl:175-9, Nov 70

New proposals for a European molecular biological laboratory. O'Hara MJ. Endeavour 30:2, Jan 71

An R & D center focuses on early childhood education. Blum ER. Except Child 37:671 passim, May 71

Prevention of learning problems: capsule summaries of research studies in early childhood education. McDonald PL, et al. Except Child 37:681-6, May 71

More money to fight cancer--will it be worth it? DiBiasio AG. Eye Ear Nose Throat Mon 50:124, Apr 71

Contributions of basic biomedical research to human welfare. Introductory remarks. Barger AC. Fed Proc 30:1395-6, Jul-Aug 71

Impact of nutritional research on human health and survival. Munro HN. Fed Proc 30:1403-7, Jul-Aug 71

Research and public policy: relevance for decision making. Cohen ES. Gerontologist 10:198-201, Autumn 70

Negro aged: toward needed research in social gerontology. Jackson JJ. Gerontologist 11:Suppl:52-7, Spring 71

Career options after fifty: suggested research. Kreps JM. Gerontologist 11:Suppl:4-8, Spring 71

Institutions for the aged: theory, content, and methods for research. Lawton MP. Gerontologist 10:305-12, Winter 70

Research goals and priorities in clinical medicine in the aged. Rodstein M. Gerontologist 11:74-8, Spring 71

Toward person-environment transactional research in aging. Schwartz AN, et al. Gerontologist 10:228-32, Autumn 70

Application of natural products in cancer research. Meher-Homji DR. Indian J Cancer 8:77-9, Jun 71

Pediatric education and research. Wahi PN. Indian Pediatr 7:8-17, Jan 70

Group marital therapy: clinical and empirical implications for outcome research. Gurman AS. Int J Group Psychother 21:174-89, Apr 71

Issues in research in the psychoanalytic process. Wallerstein RS, et al. Int J Psychoanal 52:11-50, 1971

Research in nursing; the first step. Simpson M. Int Nurs Rev 18:231-47, 1971

Challenges to dental research. Rovelstad GH. J Am Coll Dent 38:33-9, Jan 71

Ninth Annual Institute for Advanced Education in Dental Research. Pharmacology and toxicology in dental systems. J Am Coll Dent 38:67-8, Jan 71

Biological hazards in the research environment. Powell WV. J Am Coll Health Assoc 19:205-10, Apr 71

Graduate research training supported by the National Institute of Dental Research. Malone TE. J Am Dent Assoc 81:1171-6, Nov 70

Research Institute and Foundation. J Am Dent Assoc 83:52-4, Jul 71

Osteopathic research--a crisis and a challenge. Kabara JJ. J Am Osteopath Assoc 70:1016-20, Jun 71

The center for population research. O'Donnell JF. J Am Vet Med Assoc 157:1786-94, 1 Dec 70

Animal model in biomedical research. Greep RO. J Anim Sci 31:1235-46, Dec 70

Trial management in psychopharmacology. The roles and tasks of an industry physician. Blackwell B, et al. J Clin Pharmacol 11:83-90, Mar-Apr 71

The pharmacologist--clinical investigator dialogue in evaluation of new psychotherapeutic drugs. Hollister LE. J Clin Pharmacol 11:77-82, Mar-Apr 71

Health services research in dentistry. Bawden JW. J Dent Child 38:17 passim, Jan-Feb 71

The publish or perish dilemma. Fritts KW. J Dent Educ 35:517-8, Aug 71

The development of dental behavioral research. Hall DS. J Dent Educ 34:389-95, Dec 70

The lowering of specialization and research interests in dental school. Sheriock BJ. J Dent Educ 35:478-84, Aug 71

Method of managing dogs for dental research. Kopczyk RA, et al. J Dent Res 50:784, May-Jun 71

Addendum to the Biographical Directory of Members of the International Association for Dental Research. J Dent Res 50:Suppl 50:1-48, Mar 71

Perspectives in cholera research. Shrivastava DL. J Indian Med Assoc 55:326-31, 1 Nov 70 (75 ref.)

Research and the paediatric patient. Mitchell RG. J Ir Med Assoc 63:285-9, Aug 70

Cancer-progress and problems. Financial status of cancer research in the United States. Grace JT. J Med (Basel) 1:56-60, 1970

Empirical research in medical education. Dahmer J. J Med Educ 46:164-5, Feb 71

A policy for biomedical research. Report of an Ad Hoc Committee of the Council of Academic Societies of the Association of American Medical Colleges. J Med Educ 46:689-743, Aug 71

Clinical and heuristic value of clinical drug research. Park LC, et al. J Nerv Ment Dis 151:322-40, Nov 70 (106 ref.)

The character and emphasis of research in nuclear medicine. Sisson JC. J Nucl Med 12:319-20, Jun 71

On the use of radioisotopes in human experimentation. Stanbury JB. J Nucl Med 11:586-91, Oct 70 (55 ref.)

Career opportunities in the health sciences. Ferretti JJ. J Okla State Med Assoc 64:186-90, May 71

Editorial. A rocky road for research. Hayward JR. J Oral Surg 28:884, Dec 70

Mathematical optimization techniques in drug product design and process analysis. Fonner DE Jr, et al. J Pharm Sci 59:1587-96, Nov 70

The value of subjective evaluation in clinical research. Rayson JH, et al. J Prosthet Dent 26:111-8, Aug 71

Editorial. Luxury or need? Easlick KA. J Public Health Dent 31:62, Winter 71

Research in group practice--problems and possibilities. Hardman RA. J R Coll Gen Pract 21:473-8, Aug 71

General practice through the looking-glass. Kuenssberg EV. J R Coll Gen Pract 21:3-16, Jan 71

The Research Advisory Service 1963-1967. J R Coll Gen Pract 17:119-24, Feb 69

Coordinating research and practice. Dumas NS, et al. J Rehabil 37:34-7, Jan-Feb 71

Key considerations in developing basic NRA policy on scientific rehabilitation research. Puth AD. J Rehabil 36:9-15, Nov-Dec 70

Emphases and funding for school health research in graduate training institutions. Whaley RF, et al. J Sch Health 40:554-6, Dec 70

Medical research: fact or fiction? Schor S. J Trauma 11:272-3, Mar 71

Review of the opportunities for co-operative work. 3. Research--applied and operational. Colbourne MJ. J Trop Med Hyg 73:368-70, Dec 70

Practical application of experimental cancer research. Dunap CL, et al. JAMA 215:457-8, 18 Jan 71

Research and patient care. Hecht HH. JAMA 217:190-7, 12 Jul 71

Health care priority and sickle cell anemia. Scott RB. JAMA 214:731-4, 26 Oct 70

The Philadelphia pulmonary neoplasm research project. Survival factors in bronchogenic carcinoma. Weiss W, et al. JAMA 216:2119-23, 28 Jun 71

Research in rheumatic fever. Wright IS. JAMA 215:298, 11 Jan 71

Medical education and research in Britain. JAMA 215:2104, 29 Mar 71

"Modern" medicine. JAMA 216:877, 3 May 71

Clinical research. Its contribution to biological thought. Himsworth H. Lancet 2:835-40, 24 Oct 70

Medical education and medical research. Kelly R. Lancet 1:189, 23 Jan 71

Medical education and medical research. Marshall J. Lancet 1:139, 16 Jan 71

Medical education and medical research. Miller H. Lancet 1:1-6, 2 Jan 71

Management of hydrocephalus. Lancet 1:587-8, 20 Mar 71

Privacy in medical research. Lancet 2:198, 24 Jul 71

Cancer research. Lancet 2:84-5, 10 Jul 71

Cross-national comparative research on the utilization of medical services. Bice TW, et al. Med Care 9:253-71, May-Jun 71 (78 ref.)

Research on comparative health service systems. Weinerman ER. Med Care 9:272-90, May-Jun 71 (64 ref.)

The research coordination committee of the Territory of Papua and New Guinea. Hornabrook RW, et al. Med J Aust 2:985, 21 Nov 70

Research coordination in the Territory of Papua and New Guinea. Med J Aust 2:300, 15 Aug 70

Problems in developing a community-based research component for a mental health center. Ellison DL, et al. Ment Hyg 55:312-7, Jul 71

Time capsules for research in profound retardation. Swartz JD, et al. Ment Retard 9:29-30, Feb 71

Needed research on demographic aspects of the black community. Arnold CB, et al. Milbank Mem Fund Q 48:311-44, Apr 70

United States Medical Programs in South Vietnam. Craddock WL. Milit Med 135:186-91, Mar 70

Theoretical and practical approach to drug research analysis. Cronheim GE. Milit Med 135:1021-7, Nov 70

The role of medical research. Rousselot LM. Milit Med 135:688-9, Aug 70

Progress in the Federal Medical Services. Milit Med 135:841-70, Oct 70

Medical research in France. Fauvert RE. Minn Med 54:127, Feb 71

Cognitive dissonance and the smoking behavior of researchers on smoking. Lebedun M, et al. Mo Med 68:700-3, Sep 71

Research as an integral part of the clinical process. Pauker JD. Mo Med 68:305-7, May 71

Research, 1945-1970. Rosenblatt S. Mt Sinai J Med NY 38:216-25, Mar-Apr 71

Cancer research: the great debate. Haddow A. N Engl J Med 285:24-8, 1 Jul 71

The fight about fighting cancer. Ingelfinger FJ. N Engl J Med 285:52, 1 Jul 71

S. 1828. A golden opportunity? Kohn HI. N Engl J Med 285:802-3, 30 Sep 71

Patient care and research. Matz R, et al. N Engl J Med 284:160, 21 Jan 71

The ethics of a cottage industry in an age of community and research medicine. Ramsey P. N Engl J Med 284:700-6, 1 Apr 71

Medical research: some aspects that warrant public understanding. Shannon JA. N Engl J Med 284:75-80, 14 Jan 71

Cigarette taxes to finance cancer research. Weisburger JH. N Engl J Med 284:558, 11 Mar 71

Role of the research councils. Gray JA. Nature (Lond) 230:23-5, 5 Mar 71

Research in the Serengeti. Lamprey HF, et al. Nature (Lond) 230:497-9, 23 Apr 71

Research in muscular dystrophy. Walton JN. Nature (Lond) 228:417-8, 31 Oct 70

Medawar's successor. Nature (Lond) 231:276, 4 Jun 71

New centre for biologists. Nature (Lond) 231:236, 28 Mar 71

Cancer compromise almost unites Senate. Nature (Lond) 232:149-50, 16 Jul 71

Clinical investigations in nursing. Verhonick PJ. Nurs Forum 10:80-8, 1971

Research in nursing service. Hanson RL. Nurs Outlook 19:520-3, Aug 71

Developing a research attitude in nursing students. Martocchio BC, et al. Nurs Outlook 19:384-6, Jun 71

Conceptualizing the research project. Batey MV. Nurs Res 20:296-301, Jul-Aug 71

Research grant applications. What they are not and should be. Gortner SR. Nurs Res 20:292-5, Jul-Aug 71

Empirical research in nursing. Notter LE. Nurs Res 20:99, Mar-Apr 71

The significance of empirical research for nursing. Schlotfeldt RM. Nurs Res 20:140-2, Mar-Apr 71

On the process of involving nurses in research. Voda AM, et al. Nurs Res 20:302-8, Jul-Aug 71

Nurses and research. Bendall E. Nurs Times 66:Suppl:181-4, 3 Dec 70

Progress and prospects in nursing research. Wright MS. Nurs Times 67:Suppl:9-12, 21 Jan 71

Field research model of the rod-and-frame test. Stuart IR, et al. Percept Mot Skills 32:671-4, Apr 71

The experimental subject--a choice, not an echo. Bustad LK. Perspect Biol Med 14:1-10, Autumn 70

Social responsibility and the scientist in modern western society. Chain EB. Perspect Biol Med 14:347-69, Spring 71

The role of industry in national science policy. The people's welfare: health and medicine. Tishler M. Perspect Biol Med 13:528-36, Summer 70

Success and failure of teamwork in biology and medicine. Von Békésy G. Perspect Biol Med 14:69-81, Autumn 70

Peripatosis--the scientific disease. Server OB. Physiologist 14:90-4, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Introduction: the purpose of research. Campbell ED. Physiotherapy 56:460-1, Nov 70
The clinical trial: an exercise in logic. Curwen MP. Physiotherapy 56:482-6, Nov 70
The influence of the individual in clinical trials. Hicklin JA. Physiotherapy 56:487-90, Nov 70
The physiotherapist and research. Van Leuven RM. Physiotherapy 56:497, Nov 70
Guidelines to research. Physiotherapy 56:498-500, Nov 70
A disposable isolation chamber system for use in avian disease research. Prince RP, et al. Poult Sci 49:1746-8, Nov 70
Research and the Canadian general practitioner. Livingston MC. Practitioner 206:675-80, May 71
Future research needs. Edwards RW. Proc R Soc Lond [Biol] 177:463-8, 13 Apr 71
Computer developments in research and diagnosis. Clarke MR. Proc R Soc Med 64:819-22, Aug 71
Medical research in the world setting. Williams PO. Proc R Soc Med 63:Suppl:1201-7, Nov 70
The role of the regulatory veterinarian in animal research. Mattingly SF. Proc US Anim Health Assoc 73:55-60, 1969
Résumés of research projects in psychopharmacology. Psychopharmacol Bull 6:5-36, Jul 70
Strategy in psychosomatic research. Mason JW. Psychosom Med 32:427-39, Jul-Aug 70
Current status and future needs in research on the orthopedically handicapped child. Wolinsky G. Rehabil Lit 31:290-6 passim, Oct 70 (54 ref.)
A need for replication in research in health, physical education, and recreation. Pelton B. Res Q Am Assoc Health Phys Educ 41:613-5, Dec 70
The relevance of radiobiological research today. Cronkite EP. S Afr Med J 44:1107-12, 3 Oct 70
Disseminating the results of research. S Afr Med J 45:430, 17 Apr 71
The biochemist's approach to medical research. Chain E. Sci Basis Med Annu Rev 1-14, 1970
Cancer research and the scientific community. Cohen SS. Science 172:1212-4, 18 Jun 71
International research: its role in environmental biology. Higginson J. Science 170:935-9, 27 Nov 70
Interdisciplinary problem-oriented research in the university. Long FA. Science 171:961, 12 Mar 71
Primate populations and biomedical research. Southwick CH, et al. Science 170:1051-4, 4 Dec 70
Research. Gwee Ah Leng. Singapore Med J 11:205, Dec 70
The effect of trauma programs in the community. Shires GT. Surgery 69:162-3, Feb 71
Basic research and the health needs of the nation. Kit S. Tex Med 66:98-100 passim, Sep 70
Research in resident education in otorhinolaryngology in a nonuniversity affiliated hospital. Davison FW. Trans Am Acad Ophthalmol Otolaryngol 74:1102-6, Sep-Oct 70
Research in education of the resident in ENT from the point of view of the basic scientist. Lawrence M. Trans Am Acad Ophthalmol Otolaryngol 74:1110-3, Sep-Oct 70
Research in resident education in otorhinolaryngology in the five-year program. McCabe BF. Trans Am Acad Ophthalmol Otolaryngol 74:1107-9, Sep-Oct 70
Status of resident research in military programs in otolaryngology (ENT). Portelli FR. Trans Am Acad Ophthalmol Otolaryngol 74:1093-8, Sep-Oct 70
Research in resident education in veterans administration and public health hospitals. Soboroff BJ. Trans Am Acad Ophthalmol Otolaryngol 74:1099-101, Sep-Oct 70
Patterns and directions of medical research in West Africa. Archampong EQ. Trop Geogr Med 23:1-14, Mar 71 (141 ref.)
The demise of a Research Centre. Sellers KC. Vet Rec 88:472-3, 1 May 71
Medical research "measured against the needs of all". Weller TH. WHO Chron 25:58-60, Feb 71
Biological research in schizophrenia. WHO Chron 25:29-34, Jan 71
Research on the treponematoses. WHO Chron 25:112-6, Mar 71
Some aphorisms on research and writing. Pitts RF. Yale J Biol Med 43:331-6, Jun 71
[Experiences from the study sojourn in the Clinical Research Institute of Montreal] Horký K. Cas Lek Cesk 110:454-6, May 71 (Cze)
[Research in medical sciences and health care in Czechoslovakia in the 5-year plan, 1971-1975] Houštěk J. Cesk Zdrav 19:163-5, Apr 71 (Cze)
[Structure problems] Hansen OM. Ugeskr Laeger 133:678-9, 9 Apr 71 (Dan)
[Research in cardiology and WHO] Pedersen A. Ugeskr Laeger 133:1048, 28 May 71 (Dan)
[Relative interdisciplinary relationships. Some problems in connection with research concerned with several sciences] Voigt G. Ugeskr Laeger 133:74-7, 15 Jan 71 (Dan)
[Research goals and the assessing of priorities to research subjects] Harvald B. Ugre Laeger 26:2474-5, 1970 (Dan)
[Research goals and establishment of priority for research subjects] Olsen S. Ugre Laeger 24:2280-3, 1970 (Dan)
[Publicity, communication and information in the field of research and higher education] Wilhjelm P. Ugre Laeger 25:2374-8, 1970 (Dan)
[FUNGO, an attempt at cooperation in the area of medical research in the Netherlands] Jonxis JH. Ned Tijdschr Geneeskd 115:473-5, 13 Mar 71 (Dut)
[Aging research center] Bergström M. Geron 19:1-3, 1969-70 (Fin)
[Results of numerical computers in biomedical research] Perkins WJ. Brux Med 51:167-9, Mar 71 (Fre)
[Research in resuscitation. Applied research and applications of the research] Joly JB. Bull Inst Nati Sante Rech Med 25:777-82, Jul-Aug 70 (Fre)
[The growth of psychiatric research] Bordeleau JM. Can Psychiatr Assoc J 15:631-4, Dec 70 (Fre)
[Scientific research serving the eradication of malaria] Bruce-Chwatt LJ. Med Trop (Mars) 29:285-307, May-Jun 69 (Fre)
[Scientific research in the field of physiological sciences] Popovici GG. Rev Med Chir Soc Med Nat Iasi 74:959-65, Oct-Dec 70 (Fre)
[Health sciences and society] Beck JC. Union Med Can 100:1395-401, Jul 71 (Fre)
[Rôle of a clinical research institute in contemporary medicine] Cier JF. Union Med Can 98:1522-4, Sep 69 (Fre)
[State of basic cancer research in Quebec] Daoust R. Union Med Can 99:2066-7, Nov 70 (Fre)
[Practical applications of recent medical discoveries] Genest J. Union Med Can 98:2059-60, Dec 69 (Fre)
[Interference microscopy in biological research. (Historical data, measurement and analysis including preparation)] Schiemer HG, et al. Acta Histochem (Jena) 37:40-73, 1970 (Ger)
[Prospects for epidemiological research in the area of chronic nonspecific lung diseases in the DDR] Steinbrück P. Allerg Asthma (Leipz) 15:294-8, 1969 (Ger)
[Gnotobiotic experimental animals within the perspective of medical research] Kiessig R. Dtsch Gesundheitsw 26:450-5, 4 Mar 71 (Ger)
[Personal responsibility of scientists at the present time] Steenbeck M. Dtsch Gesundheitsw 25:2301-3, 3 Dec 70 (Ger)
[Biometry and clinical pharmacological research] Rahlfs VW. Int Z Klin Pharmakol Ther Toxikol 5:iiv, Aug 71 (Ger)
[Problems in planning experimental studies in cancer reseach] Immich H, et al. Med Welt 27:1127-9, 10 Jul 71 (Ger)
[The present status of cancer research] Munk K. Osterr Z Erforsch Bekaempf Krebskr 25:288-97, 1970 (Ger)
[The brain in the light of present-day research] Herschkowitz N. Praxis 60:871-6, Jun 71 (Ger)
[Specific tasks of university didactics. Pedagogical dimension of the problems of research and teaching] Hardörfer L. Stud Gen (Berl) 24:610-29, 1971 (Ger)
[The relation to practice in research. Early studies for the theoretical basis of science policy] Radnitzky G. Stud Gen (Berl) 23:817-55, 17 Sep 70 (Ger)
[Discrepancy behavior methodology and metaphysics in Popper] (Popper KR), Schäfer L. Stud Gen (Berl) 23:856-77, 17 Sep 70 (Ger)
[Current problems in virus research] Kunz C. Wien Med Wochenschr 120:657-60, 26 Sep 70 (Ger)
[Medical biology, teaching and research] Rosenkranz W. Wien Med Wochenschr 120:723-6, 17 Oct 70 (Ger)
[Science and research planning. Micro- and macrocosmos in terrestrial and extraterrestrial experiments] Graul EH, et al. Z Allgemeinmed 46:1581-5, 20 Nov 70 (Ger)
[Methods in gerontological research] Emmrich R. Z Alternsforsch 23:97-103, 1970 (Ger)
[Problems in aging research in orthopedics] Matzen PF, et al. Z Alternsforsch 23:13-21, 1970 (Ger)
[Reaction behavior and driving fitness. Review] Kunkel E. Z Exp Angew Psychol 17:488-536, 1970 (Ger)
[Status of current research activity in the field of health education in the German Democratic Republic] Ludwig W, et al. Z Gesamte Hyg 14:843-5, Nov 68 (Ger)
[Future role of the Chinese hamster in research] Z Versuchstierkd 12:114, 1970 (Ger)
[Do we need a professorial chair in biological research?] Balan E. Zahnaerztl Mitt 61:895-6, Jul 71 (Ger)
[Photoelasticity in dental research] Oikonomosu GCh. Stomatologia (Athenai) 28:117-25, Mar-Apr 71 (Gre)
[World Health Organization and the international medical research program] Btesh S. Ann Sanita Pubblica 31:115-23, Mar-Apr 70 (Ita)
[Scientific research on cystic fibrosis] Bulgarelli R. Fracastoro 63:197-203, May-Aug 70 (Ita)
[The four crises] Villa L. Minerva Med 62:180-9, 17 Jan 71 (Ita)
[Organizational criteria for a pilot project for epileptics (early therapeutical results and proposals for further developments including ambulatory care] Salvi P, et al. Osp Psichiatr 38:152-72, Jan-Jun 70 (Ita)
[Center for the Study of the Geology of Central Italy, Rome] Accordi B. Ric Sci 40:312-3, Jul-Aug 70 (Ita)
[Center for the Study of Muscular Biology and Physiopathology, Padua] Aloisi M. Ric Sci 40:301-2, Jul-Aug 70 (Ita)
[Center for the Chemistry and Technology of Metallorganic Compounds of Transition Elements, Bologna] Belluco U. Ric Sci 40:285-6, Jul-Aug 70 (Ita)
[Center for the Study of Electrode Processes, Milano] Bicelli LP. Ric Sci 40:287-9, Jul-Aug 70 (Ita)
[Laboratory of Technology and Study of Cosmic Ratiations (TE. S. A/Brini D: [Laboratory of Technology and Study of Cosmic Ratiations (TE.S.R.E.), Bologna] Brini D. Ric Sci 40:289-71, Jul-Aug 70 (Ita)
[Center for the Study of Photochemistry and Reactivity of Coordination Compounds, Ferrara] Carassiti V. Ric Sci 40:291-2, Jul-Aug 70 (Ita)
[Center for the Study of Geochemistry and Mineralogy, Florence] Carobbi G. Ric Sci 40:308-9, Jul-Aug 70 (Ita)
[Research on the Economical, Political and Social Structure of Liguria in Modern Times, Genoa] Cataluccio F. Ric Sci 40:328-9, Jul-Aug 70 (Ita)
[Experimental Laboratory for Utensil Machines, Cinisello Balsamo (Milano)] Chiappulini R. Ric Sci 40:325-6, Jul-Aug 70 (Ita)
[Center for Technological Research on Ceramics, Faenza] Emiliani T. Ric Sci 40:335-6, Jul-Aug 70 (Ita)
[Laboratory of Electronic Theory and Structure and Spectrochemical Analysis of Coordination Compounds, Section of Perugia] Furlani C. Ric Sci 40:278-80, Jul-Aug 70 (Ita)
[Center for the History of Technology in Italy, Genoa] Maccagni C. Ric Sci 40:327, Jul-Aug 70 (Ita)
[National Center for Chemistry of Coordination and Metallorganic Compounds, Milan] Malatesta L. Ric Sci 40:281-3, Jul-Aug 70 (Ita)
[Center for the Study of the Synthesis and Structure of Compounds of Metals of Transiction in Low States of Oxydation, Milan] Malatesta L. Ric Sci 40:290, Jul-Aug 70 (Ita)
[Activities of the National Committee for Chemical Sciences in 1968] Mangini A. Ric Sci 40:251-8, Jul-Aug 70 (Ita)
[Center for the Study of Respiratory Viruses, Rome] Midulla M. Ric Sci 40:303-4, Jul-Aug 70 (Ita)
[Center for the Study of the Chemistry of Plasma, Bari] Molinari E. Ric Sci 40:284, Jul-Aug 70 (Ita)
[Laboratory of Cellular Biology. Department of Neurobiology, Rome] Montalcini RL. Ric Sci 40:296-8, Jul-Aug 70 (Ita)
[Laboratory of Neurophysiology, pPisa] Moruzzi G. Ric Sci 40:299-300, Jul-Aug 70 (Ita)
[Center for Nuclear Aerosols, Rome] Papée HM. Ric Sci 40:293-4, Jul-Aug 70 (Ita)
[Center for the Chemistry of Parasiticides, Perugia] Petrosini G. Ric Sci 40:318-20, Jul-Aug 70 (Ita)
[Motor Institute, Naples] Preti R. Ric Sci 40:321-4, Jul-Aug 70 (Ita)
[Intervention of the National Research Council in the field of mathematic disciplines in 1969 and directives for 1970] Pucci C. Ric Sci 40:249-50, Jul-Aug 70 (Ita)
[Center for the Study of Geology of the Appennino, Florence] Sagri M. Ric Sci 40:310-1, Jul-Aug 70 (Ita)
[Laboratory of Quantum Chemistry and Molecular Energy, Pisa] Scrocco E. Ric Sci 40:275-7, Jul-Aug 70 (Ita)
[Center for the Study of the Physics of Macromolecules, Bologna] Semerano G. Ric Sci 40:272-4, Jul-Aug 70 (Ita)
[Center for the Study of Physiology of Mitochondria, Padua] Siliprandi N. Ric Sci 40:305-7, Jul-Aug 70 (Ita)
[Institute for the Applications of Calculation (IAC), Rome] Stampacchia G. Ric Sci 40:267-8, Jul-Aug 70 (Ita)
[Advances in medical care, ecation and research at the national Hospitals and sanatoria] Matsuo M. Iryo 25:1-6, Jan 71 (Jap)
[Forecast of the future of medical research: application of laws of Parkinson, Peter and Price] Jap J Clin Med 29:849-63, Feb 71 (Jap)
[Survey or papers of Japanese researchers in the field of biological chemistry--quantitative survey] Honda S. Protein Nucleic Acid Enzyme (Tokyo) 16:154-63, Feb 71 (Jap)
[Present and future trends in scientific research on food and food technology] Wstępne U. Rocz Panstw Zakl Hig 22:1-6, 1971 (Pol)
[Epidemiologic research] Borges Júnior L de S. Rev Bras Malariol Doencas Trop 22:243-80, Apr-Dec 70 (Por)
[Some results of scientific research in gynecology during 1969] Chervakova TV, et al. Akush Ginekol (Mosk) 46:66-8, Dec 70 (Rus)
[Some results of scientific research in obstetrics during 1969] Chervakova TV, et al. Akush Ginekol (Mosk) 46:62-5, Dec 70 (Rus)
[Role of biologic modelling in morphological studies] Kul'chitskiĭ KI. Arkh Anat Gistol Embriol 57:91-9, 1969 (91 ref.) (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Some results of scientific research in the field of pharmaceutical sciences in 1967] Senov PL.
Farmatsiia 17:3-12, Sep-Oct 68 (Rus)
[Scientific research in pharmacy in the year 1971] Senov PL. Farmatsiia 20:3-5, 1971 (Rus)
[Work experience of hygiene scientific-research institutes of the RSFSR in the practical introduction of scientific achievements] Shitskova AP.
Gig Sanit 35:51-5, Mar 70 (Rus)
[Basic directions in the organizational-methodical work of the scientific research institute] Shpinev VF.
Gig Sanit 35:71-4, Jul 70 (Rus)
[Perspectives of growth of scientific studies in the field of hygiene in the planning and construction of communities] Sidorenko GI.
Gig Sanit 35:45-51, Mar 70 (Rus)
[Fulfillment of the 1969 plan for the study of the problem "scientific foundations of industrial hygiene and occupational diseases"] Rozanov LS.
Gig Tr Prof Zabol 14:40-2, Aug 70 (Rus)
[Raising the efficiency of scientific research on the problem of trauma, traumatism and orthopedic diseases] Volkov MV, et al.
Ortop Travmatol Protez 32:87-91, Jan 71 (Rus)
[Main trends of scientific research on social hygiene and the organization and administration of public health] Bogatyrev ID.
Sov Zdravookhr 29:3-8, 1970 (Rus)
[Achievements of medical schools in public health practice] Matiushin IF, et al.
Sov Zdravookhr 28:20-5, 1969 (Rus)
[Certain achievements and prospectives of scientific research at the M.F. Vladimirskiĭ Moscow District Scientific Research Institute for 1971-1975] Sazonov AM, et al. Sov Zdravookhr 29:80-3, 1970 (Rus)
[Work of the Students' Scientific Society at the I. M. Sechenov 1st Moscow Medical Institute] Tkachenko VA, et al. Sov Zdravookhr 29:62-6, 1970 (Rus)
[Translation into public health practice of the results of research in medical institutes and institutes of postgraduate medical training] Zhdanov DA.
Sov Zdravookhr 29:3-9, 1970 (Rus)
[Coordination of scientific studies in the field of forensic medicine] Prozorovskiĭ VI.
Sud Med Ekspert 14:6-9, Jan-Mar 71 (Rus)
[Predicting and program planning of scientific studies in the field of forensic medicine] Smol'ianinov VM, et al. Sud Med Ekspert 14:3-6, Jan-Mar 71 (Rus)
[The future of the study of schizophrenia] Snezhnevskiĭ AV.
Vestn Akad Med Nauk SSSR 25:83-8, 1970 (Rus)
[Scientific activity at the Department of Dermatology and Venereal Diseases of the Riga Medical Institute during 1963-1968] Iakobson PIa.
Vestn Dermatol Venerol 44:3-6, Jun 70 (Rus)
[Scientific activity at the Chair of Dermatology and Venereal Diseases of the S.V. Kurashov Medical Institute at Kázan during 1964-1969] Kondrat'ev GG.
Vestn Dermatol Venerol 44:3-9, Mar 70 (Rus)
[Plan of scientific research on the problem: "Scientific bases of dermatology and venereology for 1970-1975"] Turanov NM, et al.
Vestn Dermatol Venerol 44:15-20, Feb 70 (Rus)
[Errors in the use of mathematics in biology. II. Errors related to excessive enthusiasm] Liubishchev AA.
Zh Obshch Biol 30:715-23, Nov-Dec 69 (Rus)
[Concerning the characteristics of clinical studies. Suggestions for a cybernetics approach] Sodi-Pallares D. Arch Inst Cardiol Mex 40:239-40, May-Jun 70 (Spa)
[Major problems in the training of health personnel:oopportunities for research] Horwitz A, et al. Educ Med Salud 4:269-76, Oct-Dec 70 (Spa)
[Statistical analysis of clinical research] Cravioto J. Gac Med Mex 100:738-55, Jul 70 (Spa)
[Basic aspects of the methodology of clinical research. V. The logical interpretation] Jinich H.
Gac Med Mex 100:756-67, Jul 70 (Spa)
[Basic aspects of the methodology of clinical research. 3. Planning the experiment] Kumate J.
Gac Med Mex 100:730-8, Jul 70 (Spa)
[Basic aspects of the methodology of clinical research. VI. Conclusions] Sepúlveda B.
Gac Med Mex 100:767-9, Jul 70 (Spa)
[Basic aspects of the methodology of clinical research. I. Introduction] Sepúlveda B.
Gac Med Mex 100:723-4, Jul 70 (Spa)
[Basic aspects of the methodology of clinical research. II. The hypothesis] Sepúlveda B.
Gac Med Mex 100:725-30, Jul 70 (Spa)
[Program of cardiovascular disease research] Puigbó JJ. Rev Venez Sanid Asist Soc 35:209-14, Mar 70 (Spa)
[Drug researchers--opportunists and toilers] Osterberg S.
Lakartidningen 67:Suppl IV:94+, 14 Dec 70 (Swe)
[Research in the Dental College in Stockholm. I. The Institute for Odontological Radiodiagnosis] Henrikson CO.
Odontol Foren Tidskr 33:93-100, 1969 (Swe)
[Some results of work and tasks of the D.K. Zabolotny Institute of Microbiology and Virology] Moskovets SM. Mikrobiol Zh 33:131-3, Mar-Apr 71 (Ukr)
[Short summary of scientific research on the problem "Scientific basis of health care of women, mother and newborn" in 1968] Pap OG, et al.
Pediatr Akush Ginekol 3:60-1, May-Jun 69 (Ukr)
[Study of membrane phenomena in the USSR] Michalov J. Biologia (Bratisl) 25:629-33, 1970 (Slo)

CLASSIFICATION

[Systematization of clinical research] Pagano-Botana HJ. Hospital (Rio de J) 78:217-28, Jul 70 (Por)

EDUCATION

The postgraduate teaching of pathology. Training in pathology research. Reid L.
Proc R Soc Med 64:144-6, Feb 71
[Training for medical research--an international debate] Crone C.
Ugeskr Laeger 132:2341-3, 3 Dec 70 (Dan)
[Academic organizations and the future organization of research and higher education] Norretranders B.
Ugeskr Laeger 132:2349-53, 3 Dec 70 (Dan)
[Changes in the structure of higher education. Consequences of the future role of academics in society and the activities of academic organizations] Olsen E. Ugeskr Laeger 132:2347-9, 3 Dec 70 (Dan)
[Research training in community health, San Francisco, summer of 1970] Jensen OM.
Ugyre Laeger 21:1947-8, 1970 (Dan)
[Research in the institutions of higher education--after central education] Pedersen OK.
Ugyre Laeger 25:2373-4, 1970 (Dan)

HISTORY

[Purkinje's research on digestion] (Purkinje JE), Kruta V. Cas Lek Cesk 110:71-3, Jan 71 (Cze)
[The 50th anniversary of Soviet experieental biology and medicine]
Biull Eksp Biol Med 63:3-13, Nov 67 (Rus)
[Carlos Jiménez Díaz and the theory of scientific knowledge] (Jiménez Díaz C), Peset JL.
Rev Clin Esp 121:329-34, May 71 (Spa)

MANPOWER

The medical research assistant in the pharmaceutical industry. Montgomery RG, et al.
Int Z Klin Pharmakol Ther Toxikol 4:404-7, Jun 71

STANDARDS

Some methodological issues in research. Batey MV.
Nurs Res 19:511-6, Nov-Dec 70
Standardization of nitrogen-balance experiments with rats. II. Experimental prodecure and techniques used in the evaluation of the experiments. Scheele CW, et al. Z Tierphysiol 28:24-8, Aug 71
[Development of the medical sciences] Prokopec J. Cas Lek Cesk 110:1-2, 2 Jan 71 (Cze)
[The medical school hospital as a scientific center] Schreiber V. Cas Lek Cesk 110:11-4, 2 Jan 71 (Cze)
[Our priority system] Lund-Sorensen A.
Ugyre Laeger 2:133-5, 1971 (Dan)
[Methodology in veterinary research] Meyer H.
Arch Exp Veterinaermed 24:1219-34, 1970 (Ger)

RESEARCH PERSONNEL (M, N2)

Research and careers for blacks. Pierce CM.
Am J Psychiatry 127:817-8, Dec 70
Career Scientists of the Health Research Council of the City of New York. The Council of the Association of Career Scientists of the Health Research Council of the City of New York.
Bull NY Acad Med 47:827-32, Jul 71
Ethics for scientific researchers.
Can Med Assoc J 105:237-8, 7 Aug 71
[Relation of the creative activity of scientific researchers to their age] Antipenko ES.
Sov Zdravookhr 29:10-6, 1970 (Rus)
[Recruiting for the preclinical subjects is in danger] Rosell S. Lakartidningen 68:790-2, 17 Feb 71 (Swe)

EDUCATION

Animal husbandry and laboratory animals. Polley SM.
Lab Anim Care 20:1159-60, Dec 70
The training of research workers in leprosy.
Lepr Rev 41:199-200, Oct 70
[The education of research workers in odontological faculties] Koch B.
Odontol Foren Tidskr 34:95-101, 1970 (Swe)

MANPOWER

Summary: manpower needs in periodontal research. Stallard RE. J Dent Res 50:318-23, Mar-Apr 71

RESEARCH SUPPORT (H, N3)

The Yarborough Committee and a quarter century of progress in cancer research. Durant JR.
Ala J Med Sci 8:82-90, Jan 71
Federal grant support of optometric research and education. Watzman N. Am J Optom 48:357-64, Apr 71
A few anomalies. Biomed Eng 5:433, Sep 70
Prometheus and Pandora: 1971. Glass B.
Bull NY Acad Med 47:1045-58, Sep 71
Evaluating the Health Research Council. Piel G.
Bull NY Acad Med 47:814-9, Jul 71
Contributions of Canadian research to medicine. Address of welcome. Genest J.
Can Med Assoc J 103:818-21, 17 Oct 70
Senate resolution 376--an editorial. Weinhouse S.
Cancer Res 31:1-ii, Feb 71
75,000 dollar grant spurs blindness research.
Eye Ear Nose Throat Mon 50:70, Feb 71
Fight For Sight Awards. 294,593 dollars for 1969.
Eye Ear Nose Throat Mon 49:45-6, Jan 70
Biomedical research versus health care delivery: the President's national health strategy. Fudenberg HH, et al. Fed Proc 30:1373-5, Jul-Aug 71
Quantity, quality, and responsibility in aging research. Hayflick L. Gerontologist 11:68-73, Spring 71
The support of medical research in Scotland. Forwell GD. Health Bull (Edinb) 29:140-4, Jul 71
Role of the National Institutes of Health in support of laboratory animal resources. McPherson C.
J Am Vet Med Assoc 157:1959-63, 1 Dec 70
Research vs. social medicine? Demands of society upon medical research. Walaszek EJ, et al.
J Kans Med Soc 1:426-34, Nov 70
A policy for biomedical research. Report of an Ad Hoc Committee of the Council of Academic Societies of the Association of American Medical Colleges.
J Med Educ 46:689-743, Aug 71
The funding of basic medical research. Kuttner RE, et al. J Natl Med Assoc 63:107-9, Mar 71
Are medical education and research being overfunded? Visscher MB. JAMA 216:1865-6, 14 Jun 71
Prospects in surgical research. Dempster WJ.
Lancet 2:1259-60, 12 Dec 70
Two for the price of one? Lancet 1:327-8, 13 Feb 71
How much for medical research? Lancet 1:280, 6 Feb 71
Departmental research support.
Lancet 2:207-8, 24 Jul 71
National trends in support of neurologic research, training, and clinical service. Goldstein M.
Mayo Clin Proc 46:282-5, Apr 71
Opportunities for progress against cancer. Baker CG.
Med Ann DC 40:425-9, Jul 71
Constitution and functions of the medical research council. Duncan JG. Med Leg J 38:110-21, 1970
Engineering R&D support by the hospital and university. Berkley C. Med Res Eng 9:3-5, Dec 70
Support for research, training and education in medical research engineering.
Med Res Eng 9:14 passim, Dec 70
Sickle cell research. Boyer SH, et al.
Nature (Lond) 231:477, 18 Jun 71
Definition of cancer research. Gilbert DA.
Nature (Lond) 231:271-2, 28 Mar 71
Nixon buys plan for attk on cancer.
Nature (Lond) 229:292, 29 Jan 71
Calling the odds for the cancer sweepstakes.
Nature (Lond) 231:407-8, 18 Jun 71
Water gets worse. Nature (Lond) 230:486-7, 23 Apr 71
Concentration on immunology.
Nature (Lond) 228:1130, 19 Dec 70
Harvard's criteria. Nature (Lond) 229:8, 1 Jan 71
Fulfilment lags promise in biology.
Nature (Lond) 228:902-3, 5 Dec 70
The biologist's dilemmas.
Nature (Lond) 228:900-1, 5 Dec 70
Cancer research: one new broom.
Nature (Lond) 232:77-8, 9 Jul 71
What price the crusade for cancer research?
Nature [New Biol] 230:225-6, 21 Apr 71
Research grant applications. What they are not and should be. Gortner SR. Nurs Res 20:292-5, Jul-Aug 71
The temptation of Dr. Faust--1971. Foraker AG.
Perspect Biol Med 14:473-6, Spring 71
Physical therapy fund. Blair L. Phys Ther 51:7-8, Jan 71
Herpes viruses and cancer. RI Med J 54:327, Jun 71
Federal support of cancer research. Abelson PH.
Science 172:15, 2 Apr 71
Cancer research proposals: new money, old conflicts. Bazell RJ. Science 171:877-9, 5 Mar 71
R and D funding: top treasury aide decries blind faith approach. Boffey PM. Science 170:512-6, 30 Oct 70
Resolution on cancer. Frei E. Science 172:1293, 25 Jun 71
Research grants: new awards bore brunt of NIH cutbacks. Gillette R. Science 172:43-5, 2 Apr 71
Population act: proponents dismayed at funding levels. Gillette R. Science 171:1221-2 passim, 26 Mar 71
Science funds: NSF survey probes effects of shifts in Federal aid. Greenberg DS.
Science 170:609-12, 6 Nov 70
Environment: fanning the flames. Griffin JL, et al.
Science 172:425-6, 30 Apr 71
Peer review system. Gross J. Science 173:106-7, 9 Jul 71
Federal R&D: domestic problems get new efforts but little money. Hammond AL.
Science 171:857-61, 19 Feb 71
The Federal overnment and the scientific community. Handler P. Science 171:144-51, 15 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cancer research: once-over-lightly. Huebner RJ. Science 171:18-9, 8 Jan 71
"Science is too important to stay out of politics". Longo LD, et al. Science 171:334, 29 Jan 71
'72 budget: Nixon proposes modest increases for science. Walsh J. Science 171:459-63, 5 Feb 71
Trauma programs: where is the support? Lee E Jr. Surgery 69:164-5, Feb 71
Research study-grant awarding. Allerton WS. Va Med Mon 98:161-2, Mar 71
[Priorities and perspectives] Güttler F. Ugeskr Laeger 133:792-3, 23 Apr 71 (Dan)
[Priority in the aims of and the resources for research. Community goals and resources for research] Crone C. Yngre Laeger 21:1949, 1970 (Dan)
[Priority in the aims of and the resources for research. Some social-medical aspects] Jorgensen F. Yngre Laeger 21:1950-1, 1970 (Dan)
[Financing research: the politics of the Conseil de Recherches Médicales] Brown GM. Union Med Can 100:667-72, Apr 71 (Fre)
[Organization of medical research, its conditions, administration and supervision] Sós J. Fogorv Sz 63:353-60, Dec 70 (Hun)

RESERPINE (D2, D5, D6)

The effect ofppotassium on ouabain toxicity in reserpinized guinea pigs. Yamada K, et al. Nagoya J Med Sci 33:241-5, Feb 71
Light stability of some parenteral solutions of reserpine. Asker AF, et al. Pharmazie 26:90-2, Feb 71
[Attempt at treatment of permanent type of post-neuroleptic dyskinesia] Villeneuve A, et al. Laval Med 41:923-33, Sep 70 (Fre)
[Action of guanosine and antacids on experimental gastric ulcer induced by reserpine] Dominici A, et al. Boll Chim Farm 109:436-40, Jul 70 (Ita)

ADMINISTRATION & DOSAGE

Amphetamine-induced aggression in mice pretreated with dihydroxyphenylalanine (DOPA) and-or reserpine. Lal H, et al. Biol Psychiatry 2:299-301, Jul 70
Chronic reserpine treatment on adrenergic neuronal and receptor function in the isolated perfused mesenteric blood vessels of the dog. Clarke DE, et al. Eur J Pharmacol 12:378-81, 1970
Role of calcium in the reserpine-induced cerebral monoamines depletion. Radouco-Thomas S, et al. Int Z Klin Pharmakol Ther Toxikol 5:5-11, Aug 71
[Saluretic treatment of hypertension. Experiences with furosemide-reserpine (Nortensin)] Moll HC. Munch Med Wochenschr 113:987-90, 25 Jun 71 (Ger)
[Therapy of pregnancy hypertension with Briserin] Neubüser D. Munch Med Wochenschr 113:697-702, 30 Apr 71 (Ger)
[Result of a clinical study with the hypotensive agent Briserin] Frithz G. Ther Ggw 110:1175-81, Aug 71 (Ger)
[Effect of substances interacting with serotonin reactive systems on the epileptiform discharge in the hippocampus in rabbits] Gusel' VA. Farmakol Toksikol 34:135-9, 1971 (Rus)

ADVERSE EFFECTS

Iatrogenic psychotic depressive reaction in hypertensive patients. Lewis WH. Am J Psychiatry 127:1416-7, Apr 71
[Depression in patients treated with reserpine, still a reality] Wålinder J, et al. Lakartidningen 68:1562-3, 31 Mar 71 (Swe)

ANALYSIS

Fluorometric determination of reserpine and related compounds by reaction with vanadium pentoxide. Urbányi T, et al. J Pharm Sci 59:1824-8, Dec 70
[Chromatographic isolation and direct spectrofluorometric determination on the chromatogram of microgram amounts of drugs. IV. Study of injection liquids and tablets containing reserpine and rescinnamine] Frijns JM. Pharm Weekbl 106:605-23, 6 Aug 71 (Dut)

ANTAGONISTS & INHIBITORS

The effects of psychotropic drugs on the grooming behaviour of reserpinized white mice. Rohte O. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:76, 1970
Effects of 5-methoxytryptamine derivatives on reserpine-syndrome in mice. Segawa T, et al. Arch Int Pharmacodyn Ther 186:129-32, Jul 70
Antagonism of beta-phenylethylamine derivatives and serotonin blocking drugs upon serotonin, tryptamine and reserpine behavioral depression in mice. Saavedra JM, et al. Arzneim Forsch 20:952-7, Jul 70
An investigation of alpha-methyl amino-acids and their derivatives on isolated tissue preparations. Gulati OD, et al. Br J Pharmacol 40:689-701, Dec 70
Effects of chronic morphine administration on the catecholamine depletion induced by reserpine. Gunne LM, et al. J Pharm Pharmacol 22:550-2, Jul 70
Observation of the grooming behaviour of reserpinized white mice as a method for investigating reserpine antagonism and synergism. Rohte O. Psychopharmacologia 18:154-61, 1970
[Action on the central nervous system of NN'-diphenylacetamidine and its salts] Vagne A, et al. C R Soc Biol (Paris) 164:1771-3, 1970 (Fre)
[Unfavorable and problematic drug combinations. IV] Glogner P. Internist (Berlin) 11:412-3, Nov 70 (Ger)
[Effect of thyroidin on the oxygen consumption and growth of young rats following prolonged administration of reserpine] Elantsev AB. Biull Eksp Biol Med 70:63-5, Oct 70 (Rus)

DIAGNOSTIC USE

[Use of inderal as an electrocardiographic functional test. Comparison of its value with raupasil and ergotamine tests] Lukasik S, et al. Pol Tyg Lek 25:1697-9, 9 Nov 70 (Pol)

METABOLISM

Effect of reserpine on the increase in myocardial adenyl cyclase activity produced by thyroid hormone. Klein I, et al. Proc Soc Exp Biol Med 137:366-9, May 71

PHARMACODYNAMICS

Effect of reserpine on plasma prolactin dependent on the presence of oestrogens. Gugten AA van der, et al. Acta Endocrinol (Kbh) 65:309-15, Oct 70
Disparity between the states of pseudopregnancy induced by reserpine and by cervical stimulation in the rat. Kisch ES. Acta Endocrinol (Kbh) 67:203-8, May 71
Pituitary LH content during delayed implantation induced by different treatments in rats. Labhsetwar AP. Acta Endocrinol (Kbh) 66:122-30, Jan 71
Effect of thyroxine, reerpine and serotonin on allyl alcohol induced hepatotoxicity in rats. Srinivasan S, et al. Acta Pharmacol Toxicol (Kbh) 28:338-45, 1970
The influence of the nigro-neostriatal dopamine pathway on spinal motoneuron activity. Andén NE, et al. Acta Physiol Scand 82:268-71, Jun 71
Nerve function after reserpine and axonal flow of amine storage granules. Häggendal J, et al. Acta Physiol Scand 9-10, 1970
Synthesis of noradrenaline from 3,4-dihydroxyphenylalanine (DOPA) and dopamine in adrenergic nerves of mouse atrium--effect of reserpine, monoamine oxidase and tyrosine hydroxylase inhibition. Jonsson G, et al. Acta Physiol Scand 80:307-22, Nov 70
The degeneration contraction of a sympathetically innervated smooth muscle in the rat after reserpine, inhibition of monoamine oxidase or tyrosine hydroxylase. Lundberg D. Acta Physiol Scand 80:107-16, Sep 70
Ultrastructural studies of the effects of reserpine on mouse abdominal sympathetic paraganglia. Mascorro JA, et al. Anat Rec 170:269-79, Jul 71
Circulatory and diuretic effects of hydrochlorothiazide and reserpine in man. Torsti P, et al. Ann Clin Res 1:126-30, Sep 69
Effects of reserpine and 5-hydroxytryptamine on the secretion of mucopolysaccharides in gastric juice of rats. Juikunen RJ, et al. Ann Med Exp Biol Fenn 48:149-54, 1970
Tissue calcium losses following reserpine administration in rabbits. Carrier O Jr, et al. Arch Int Pharmacodyn Ther 187:97-105, Sep 70
The anti-arrhythmic action of bretylium in normal reserpine-pretreated and chronically denervated dog hearts. Cervoni P, et al. Arch Int Pharmacodyn Ther 190:91-102, Mar 71
Studies of DMAE-induced potentiation of the pressor and contractile responses to exogenous norepinephrine in normal and reserpine treated an'mals. Greenberg S, et al. Arch Int Pharmacodyn Ther 191:365-75, Jun 71
Anticonvulsant effect of phencarbamide and its modification by reserpine and tranylcypromine. Madan BR, et al. Arch Int Pharmacodyn Ther 190:155-8, Mar 71
Actions of reserpine and tyramine on the acetylcholine content of brain stem, heart and blood of the rat. Malpica JF, et al. Arch Int Pharmacodyn Ther 185:13-9, May 70
Stimulation of locomotor activity by p-chlorophenylalanine and a low dose of reserpine. Pirch JH. Arch Int Pharmacodyn Ther 181:434-40, Oct 69
Effect of drugs and chemicals on subcellular organelles: mitochondrial shrinking and autonomic agents. Rosenblum I, et al. Arch Int Pharmacodyn Ther 181:394-404, Oct 69
Lipolytic action of lysine-vasopressin in the adipose tissue of the reserpinized rat. Yano S, et al. Arch Int Pharmacodyn Ther 188:204-8, Nov 70
Effect of reserpine on blood pressure responses evoked by unilateral and bilateral compression of eyeballs in the rabbit. Niechaj A, et al. Arch Int Physiol Biochim 79:19-31, Jan 71
Effect of reserpine on the incorporation in vivo of radioactivity from labeled serotonin and other 5-hydroxy-indole derivatives in mouse brain. Alivisatos SG, et al. Biochem Pharmacol 19:401-10, Feb 70
A daily rhythm in the rate of depletion of brain norepinephrine by reserpine. Black IB, et al. Biochem Pharmacol 18:2688-91, Oct 69
Permeability changes induced in the adrenergic neurone by reserpine. Giachetti A, et al. Biochem Pharmacol 19:1621-6, May 70
Selective protection of serotonin stores against the action of reserpine by -methyl-5-hydroxytryptophan pretreatment. Lahti RA, et al. Biochem Pharmacol 18:2363-9, Oct 69
Effect of reserpine on accumulation and removal of d-amphetamine- 3 H. Stolk JM, et al. Biochem Pharmacol 18:2786-8, Oct 69
The effects of reserpine depletion of circulating vasoactive amines on rabbit serum sickness. Levy L. Br J Exp Pathol 51:428-33, Aug 70
Changes in catechol-O-methyl transferase activity in the rat submaxillary gland after surgical and pharmacological procedures. Broch OJ Jr, et al. Br J Pharmacol 41:393P+, Feb 71
Temperature dependence of catecholamine depletion by reserpine in the heart of the toad (Bufo marinus). Chang P, et al. Br J Pharmacol 42:371-4, Jul 71
Initiation of milk secretion in the male rat by single injections of reserpine. Arai Y, et al. Endocrinol Jap 17:441-6, Dec 70
Interruption of implantation and gestation in rats by reserpine, chlorpromazine and ACTH: possible mode of action. Chatterjee A, et al. Endocrinology 87:966-9, Nov 70
Influence of some drugs on the immune response. 3. Effect of serotonin, 5-hydroxytryptophan, reserpine, monoamine oxidase inhibitors, and DOPA on the involvement of lymph node cells in the immune response. Devoino LV, et al. Eur J Pharmacol 14:71-6, 1971
Alteration of extracellular calcium dependence in vascular tissue by reserpine. Garrett RL, et al. Eur J Pharmacol 13:306-11, 1971
On the mode of action of reserpine on dopamine metabolism in the rat striatum. Guldberg HC, et al. Eur J Pharmacol 13:155-67, Jan 71
Inhibitory effects of bacterial endotoxin and reserpine on the uptake of 3H-5-hydroxytryptamine by granule fractions of blood platelets. Kuruma I, et al. Eur J Pharmacol 13:269-71, Jan 71
Effects of reserpine and amphetamine on pteridine pattern and nuclear morphology of Triturus cristatus liver. Kokolis N, et al. Exp Cell Res 65:186-92, Mar 71
Lateral geniculate spikes in sleeping, awake, and reserpine-treated cats: correlated excitability changes in superior colliculus and related structures. Munson JB, et al. Exp Neurol 31:326-36, Jun 71
Physiologic and pharmacologic responses of mammalian vascular smooth muscles during electric field stimulation. Ehrreich SJ, et al. Experientia 26:1229-31, 15 Nov 70
Effect of drugs on excitatory and inhibitory potentials in Helix aspersa. Walker RJ, et al. Experientia 27:281-2, 15 Mar 71
Effects of reserpine on development of 7,12-dimethylbenzanthracene induced mammary tumors in female rats. Weisch CW, et al. Experientia 26:1133-4, 15 Oct 70
The effect of reserpine on the relationship between the resting blood pressure and the magnitude of pressure responses evoked by compression of the eyeballs. Niechaj A, et al. Folia Biol (Krakow) 19:29-39, 1971
Some histochemical reactions in the wall of the arterial vessels of the rabbit after administration of neurohormone-like substances. Wawrzyniak M, et al. Folia Histochem Cytochem (Krakow) 8:129-34, 1970
Carotid body catecholamines. Histochemical studies on the effects of drug treatments. Chiocchio SR, et al. Histochemie 25:52-9, 1971
Effect of cold stress on acetylcholine and 5-HT contents of rat myocardium and its modification by eserine, mecamylamine and reserpine. Sharma VN, et al. Indian J Med Res 57:1563-72, Aug 69
Enzymology of the refractory media of the eye. X. Effects of topically administered bradykinin, amine releasers, and pargyline on aqueous humor dynamics. Zeller EA, et al. Invest Ophthalmol 10:274-81, Apr 71
Biphasic lactogenic response of male rat mammary glands after a single injection of reserpine. Arai Y, et al. J Endocrinol 50:697-8, Aug 71
Inhibition by reserpine of histological changes induced by hypertonic saline in the hypothalamic neurosecretory system of the musk shrew, Suncus murinus L. Kulshreshtha A, et al. J Endocrinol 50:707-8, Aug 71
Structural changes in involuting rat mammary gland. Effects of reserpine and anterior pituitary hormones. Richards RC, et al. J Endocrinol 46:7-8, Feb 70
The influence of adrenergic and cholinergic blocking drugs on the glycogen content of the brain in rats deprived of paradoxical sleep. Mršulja BB, et al. J Neurochem 17:455-6, Mar 70
Correlation of the recovery of the granular

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

uptake-storage mechanism and the nerve impulse induced release of (3 H)noradrenaline after reserpine. Almgren O, et al.
J Pharm Pharmacol 23:671-7, Sep 71
Modification of morphine analgesia by drugs affecting adrenergic and tryptaminergic mechanisms. Fennessy MR, et al.
J Pharm Pharmacol 22:930-5, Dec 70
The recovery of noradrenaline in adrenergic nerve terminals of the rat after reserpine treatment. Häggendal J, et al. J Pharm Pharmacol 23:81-9, Feb 71
Further investigation of reserpine and deoxycholic acid potentiation. De Cato L Jr, et al.
J Pharm Sci 60:140-1, Jan 71
Reserpine-induced release of norepinephrine from isolated spontaneously beating guinea-pig atria. Brimijoin S, et al.
J Pharmacol Exp Ther 176:149-59, Jan 71
Further studies on the effects of reserpine pretreatment on rabbit aorta: calcium and histologic changes. Hudgins PM, et al.
J Pharmacol Exp Ther 175:609-18, Dec 70
Further evidence for a sodium-dependent, optically specific and reserpine-sensitive amine carrier mechanism at the adrenergic neuron. Sugrue MF, et al. J Pharmacol Exp Ther 177:389-97, May 71
Analysis of reserpine-induced supersensitivity in aortic strips of rabbits. Taylor J, et al.
J Pharmacol Exp Ther 177:127-35, Apr 71
Actions of LSD-25 and reserpine on a serotonergic synapse. Cottrell GA.
J Physiol (Lond) 208:28P-29P, May 70
Failure of reserpine to produce changes in the store of pituitary gonadotrophins in the cockerel. Redelonghi RB, et al. J Reprod Fertil 23:135-7, Oct 70
The acute partial failure of neuromuscular transmission by reserpine in the isolated perfused rabbit's heart. Kubo T, et al.
Jap J Pharmacol 20:442-5, Sep 70
Response to sympathetic nerve stimulation and noradrenaline in atria treated with reserpine and in atria from rabbits pretreated with reserpine. Toda N, et al. Jap J Pharmacol 20:517-29, Dec 70
Modification of the pressor response to sympathomimetic amines by acutely administered reserpine in dogs. Takasaki K.
Kurume Med J 18:89-102, 1971
Systemic arterial pressure changes cased by sympathomimetic amines and influence of norepinephrine infusion on chronically reserpinized dogs. Takasaki K. Kurume Med J 18:111-6, 1971
The effect of cocaine on the pressor response to sympathomimetic amines before and after acute reserpinization in dogs. Takasaki K.
Kurume Med J 18:103-9, 1971
The effect of 5-hydroxytryptophan and reserpine administration on the level of sodium, potassium, calcium, magnesium and chloride in five discrete areas of the rabbit brain. Hanig RC, et al.
Life Sci [I] 10:279-86, 1 Mar 71
Genetics of audiogenic seizures. 3. Time response relationships between drug administration and seizure susceptibility. Schlesinger K, et al.
Life Sci [I] 9:721-9, 1 Jul 70
Abolition of the response of brain stem neurones to iontophoretically applied d-amphetamine by reserpine. Boakes RJ, et al.
Nature (Lond) 229:496-7, 12 Feb 71
Increase of brain tryptophan caused by drugs which stimulate serotonin synthesis. Tagliamonte A, et al.
Nature [New Biol] 229:125-6, 27 Jan 71
Influence of intraneuronal inactivating mechanisms on the membrane-amine pump. Graefe KH, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:336-7, 1970
Effect of reserpine and chlorpromazine on the resting potential and membrane resistance of the frog sartorius muscle after potassium depolarization. Hellenbrecht D, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:352, 1970
The effect of endogenous catecholamines and norepinephrine administration on the performance of the isolated canine heart. Simaan J, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:17-26, 1971
Pituitary follicle-stimulating hormone in immature female rats treated with drugs that inhibit the synthesis or antagonise the actions of catecholamines and 5-hydroxytryptamine. Brown PS.
Neuroendocrinology 7:183-92, 1971
Prolactin and growth hormone production as influenced by catecholamines and agents that affect brain catecholamines. MacLeod RM, et al.
Neuroendocrinology 6:283-94, 1970
Effect of the depletion of brain catecholamines on puberty and the estrous cycle in the rat. Weiner RI, et al. Neuroendocrinology 8:125-35, 1971
Central vs. peripheral catecholamines in rats during adaptation to chronic restraint stress. Blaszkowski TP, et al. Pharmacology 4:321-33, 1970
The neurogenic component in the experimental hypertensive rat. Finch L.
Pharmacology 5:245-54, 1971
Importance of catecholamines for the interaction between reserpine and desipramine on body temperature in rats. Jori A, et al.
Pharmacology 4:235-41, 1970
Effect of reserpine on 22Na and 42K exchange in the cat papillary muscle. Choi SJ, et al.
Proc Soc Exp Biol Med 135:579-84, Dec 70
Psychopharmacological effects and pituitary-adrenal activity. Marks BH, et al.
Progr Brain Res 32:57-70, 1970
Reserpine and sleep. Coulter JD, et al.
Psychopharmacologia 19:134-47, 1971
Influence of reserpine and dihydrazinophthalazine on cerebrospinal fluid and blood catecholamines in the hypertensive disease. Ciplea A, et al.
Rev Roum Physiol 6:267-74, 1969
Effects of long-term reserpine treatment on brain tyrosine hydroxylase and behavioral activity. Segal DS, et al. Science 173:847-9, 27 Aug 71
Denervation and-or reserpine-induced changes in adrenomedullary catecholamines and nucleotidases. Wood JG, et al.
Z Zellforsch Mikrosk Anat 111:539-49, 1970
[Effect of reserpine on uterine motility in castrated rats treated with estrogen] Kiutukchiev B.
Akush Ginekol (Sofiia) 8:385-92, 1969 (Bul)
[Study of site of action of reserpine and phenothiazine with pituitary grafts implanted by stereotaxy in the nervous system of the rat] Flament-Durand J.
Ann Endocrinol (Paris) 31:715-20, Jul-Aug 70 (Fre)
[Perfusion of adrenaline and acetylcholine in rabbits. Analysis of the effects on blood pressure with the use of several pharmacological substances] Besson S, et al. C R Soc Biol (Paris) 164:1114-7, 1970 (Fre)
[Influence of reserpine and adrenergic alpha and beta blockaders on blood pressure effects of various sympathomimetics] Besson S, et al.
C R Soc Biol (Paris) 164:1309-11, 1970 (Fre)
[Influence exerted by several psycholeptic drugs on behavior of the scorpion (Androctonus australis Hector)] Mercier J, et al.
C R Soc Biol (Paris) 164:341-4, 25 Sep 70 (Fre)
[Age dependency of the effect of sympathomimetics on the gas metabolism in rats. II. Calorigenic effect of tyramine and phenylethylamine and the effect on it of cocaine, guanethidine or reserpine pretreatment] Müller D, et al.
Acta Biol Med Ger 24:673-83, 1970 (Ger)
[Significance of antiadrenergic effects of acetylcholine for contractility and action potential of the mammalian ventricular myocardium] Jacob R, et al.
Aerztl Forsch 25:141-53, 10 May 71 (Ger)
[Behavior of the ECG in normal, reserpinized or emetinized rats previously perfused with various beta-adrenolytic agents] Marmo E.
Arch Kreislaufforsch 59:325-50, Jul-Aug 69 (Ger)
[Reversal of hypothermia in reserpine treated mice by neuro- and psycholeptic drugs] Benz B, et al.
Arzneim Forsch 21:654-61, May 71 (Ger)
[Effect of a combination of dihydroergocristine methanesulfonate, clopamide and reserpine on blood pressure and renal hemodynamics in renal and essential hypertension] Ludwig H, et al.
Arzneim Forsch 20:1079-83, Aug 70 (Ger)
[Pharmacology of catatonigenic drugs. 2. Elimination of the N. caudatus and the catatonigenic effects of neuroleptics] Stille G.
Arzneim Forsch 21:386-90, Mar 71 (Ger)
[Antihypertensive activities of combinations os musculotropic peripheral vasodilators with reserpine] Stoepel K.
Arzneim Forsch 21:54-7, Jan 71 (Ger)
[Change in methionine-S35 incorporation in the liver,kidney and brain under the influence of chlorpromazine, reserpine and hexamethonium] Safta L, et al. Rev Roum Physiol 7:329-33, 1970 (Ger)
[Effects of reserpine as well as alpha- and beta receptor blockaders on the lipid metabolism following endotoxin] Schmahl FW, et al.
Verh Dtsch Ges Inn Med 75:900-3, 1969 (Ger)
[On the effect of reserpine and thyroxine on the metabolism of the mammary gland during pregnancy and in the early puerperium] Riva G, et al.
Atti Accad Med Lomb 23:216-20, Apr-Jun 68 (Ita)
[Effect of thyroxine on thyroid changes caused by neonatal treatment with reserpine] Colombo L, et al.
Boll Soc Ital Biol Sper 46:796-9, 15 Oct 70 (Ita)
[Behavior of urinary 5-hydroxyindolacetic acid before and after administration of a serotonin depleting agent in chronic bronchitis patients] Corsi G, et al.
Med Lav 60:139-43, Feb 69 (Ita)
[Action of reserpine and of one of its derivatives on compensatory ovarian hypertrophy in the female rat] De Luca Brunori I, et al.
Minerva Ginecol 22:519-22, 31 May 70 (Ita)
[Experimental research on the effects of various types of psychopharmacological agents on plasmatic luteinizing activity] Oppo GT, et al.
Riv Sper Freniatr 93:167-91, 28 Feb 69 (Ita)
[Effect of reserpine and its derivatives on blood pressure and amine content] Fujiwara M, et al.
Folia Pharmacol Jap 66:564-85, 20 Sep 70 (Jap)
[Study of the electrical and mechanical activities in stomach smooth muscle: effects of splanchnic nerve stimulation, catecholamine, reserpine and phentolamine] Sakamoto S.
J Kumamoto Med Soc 45:229-39, 25 Feb 71 (Jap)
[Histochemical changes in rat's liver after simultaneous administration of thyroxine and methimazole or thyroxine and reserpine] Kubacki J, et al. Endokrynol Pol 21:531-5, Sep-Oct 70 (Pol)
[Effects of a combination of gamma-aminobutyric acid and reserpine on the intellectual activity and affectivity of university students during exams] Valente LC, et al.
Hospital (Rio de J) 76:1137-42, Sep 69 (Por)
[The effect of various hypotensive agents on the liberation and deposition of pressor amines] Cherkes AI, et al. Biull Eksp Biol Med 63:91-5, Nov 67 (Rus)
[Serotonin-forming capacity of nasal polyps. Effect of the chemical serotonin liberators--reserpine and substance 48-80--on the liberation and synthesis of serotonin in nasal polyps (in vitro)] Popova GN, et al.
Biull Eksp Biol Med 70:115-20, Nov 70 (Rus)
[Significance of peripheral catecholamine mechanisms in effecting a reserpine-induced central activation of the pituitary-adrenal system] Rasin MS, et al.
Biull Eksp Biol Med 70:51-4, Dec 70 (Rus)
[The mechanism of reserpine action on the hypophyseal-adrenal cortex system] Shedrina RN.
Biull Eksp Biol Med 69:60-3, Jun 70 (Rus)
[Age dynamics of histamine accumulation in tissues and its reaction to some external influences] Maksutov KM, et al.
Sov Zdravookhr Kirg 4:34-8, Jul-Aug 70 (Rus)
[Effects of reserpine and histamine on acid secretion and blood flow of gastric mucosa in anesthetized dogs] Melean JC, et al.
Acta Cient Venez 21:98-101, 1970 (Spa)
[Effect of reserpine on stimulation thresholds in the deep structures of the brain] Mironchik KV.
Fiziol Zh 16:456-64, Jul-Aug 70 (Ukr)

THERAPEUTIC USE

Effects of agents altering vascular calcium in experimental atherosclerosis. Whittington-Coleman PJ, et al. Atherosclerosis 12:15-24, Jul-Aug 70
Studies on the effect of reserpine therapy on the functional capacity of the tryptophan-niacin pathway in smoker and non-smoker males. el-Zoghby SM, et al.
Biochem Pharmacol 19:1661-7, May 70
Prevention of death from endotoxin with antisera. II. Elimination of the risk of anaphylaxis to endotoxin. Brown KR, et al. J Immunol 106:324-33, Feb 71
Essential hypertension and its treatment by the family physician. A study of sixty-one cases. Coigley MH.
J R Coll Gen Pract 20:269-77, Nov 70
Reserpine in Raynaud's phenomenon. Dimitriu CG, et al. Lancet 2:1199, 5 Dec 70
Effect of aminoglutethimide and reserpine on the human pituitary-adrenal axis: remission of a case of Cushing's disease. Givens JR, et al.
Metabolism 19:818-30, Oct 70
Reserpine in thyrotoxic crisis. Dillon PT, et al.
N Engl J Med 283:1020-3, 5 Nov 70
Reserpine and Raynaud's phenomenon. Gifford RW Jr.
N Engl J Med 285:290-1, 29 Jul 71
Thyroid storm. Rosenberg IN.
N Engl J Med 283:1052-3, 5 Nov 70
[Trial of the furosemide-reserpine combination in severe arterial hypertension] Zech P, et al.
Lyon Med 224:687-96, 22 Nov 70 (Fre)
[Treatment of hypertension of medium to severe gravity by tenserilx] Ben-Ismail M, et al.
Tunis Med 47:229-33, Jul-Aug 69 (Fre)
[Influence of a combinated adelphan-esidrix and clonidin therapy on blood pressure and renal function in renal hypertension] Frotscher U, et al.
Dtsch Med Wochenschr 96:1380-3, 27 Aug 71 (Ger)
[Clinical-pharmacologic studies and therapy with anti-hypertensive furosemide-reserpine preparations] Bracharz H, et al.
Med Klin 66:1113-7, 13 Aug 71 (Ger)
[Therapeutic experiences with the antihypertensive combination "Briserin"] Nassehi AT.
Med Klin 65:1884-8, 23 Oct 70 (Ger)
[Long-term therapy of the hypertensive diabetic using hriserin] Straube W.
Med Welt 35:1338-40, 28 Aug 71 (Ger)
[Internal therapy of peripheral arterial blood circulation disorders] Bollinger A.
Schweiz Med Wochenschr 100:774-7, 2 May 70 (Ger)
[Ambulatory treatment of late gestosis with Briserin] Bambas W. Ther Ggw 110:525-36, Apr 71 (Ger)
[Experiences with a new antihypertensive agent] Stampfer E.
Wien Klin Wochenschr 83:66-9, 29 Jan 71 (Ger)
[Therapy of hypertension at an advanced age with special reference to its therapeutic modification by a new drug combination] Theini K.
Wien Med Wochenschr 120:955-8, 15 Dec 70 (Ger)
[Effect of preventive administration of reserpine on proteinuria induced with angiotensin in rats] Pirrelli A, et al. Boll Soc Ital Biol Sper 47:6-9, 15 Jan 71 (Ita)
[Somatotropin response to the insulin and arginine hypoglycemia in normal subjects and hyperthyroid patients, treated with reserpine] Cavagnini F, et al.
Folia Endocrinol (Roma) 23:608-16, Oct 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Treatment of arterial hypertension patients with Bridina] Nogueira WP.
Hospital (Rio de J) 78:501-10, Aug 70 (Por)
[Experience in the use of lasix-reserpine in the treatment of hypertensive disease] Borisenko AP.
Kardiologiia 10:92-5, Jul 70 (Rus)
[Mechanism of the antithyroid effect of reserpine in patients with diffuse toxic goiter] Komarovskaia RP, et al.
Probl Endokrinol (Mosk) 16:9-14, Jul-Aug 70 (Rus)

RESERPINE DERIVATIVES see under YOHIMBANS (D2)

RESIDENCE CHARACTERISTICS (N1)

Endemic smallpox in rural East Pakistan. II. Intervillage transmission and infectiousness. Thomas DB, et al. Am J Epidemiol 93:373-83, May 71
A study of time-place clustering in anencephaly and spina bifida. Trichopoulos D, et al.
Am J Epidemiol 94:26-30, Jul 71
A comparison of four epidemiological methods of assessing periodontal diseases. 1. Population findings. Sheiham A, et al. J Periodont Res 5:148-54, 1970
[Psychologic solicitation and large urban centers] Huguet M. Cah Med 12:155-60, 15 Feb 71 (Fre)

RESIDENCY, MEDICAL see under INTERNSHIP AND RESIDENCY (I)

RESIDENTIAL FACILITIES (N2)

Residential care. A new concept. Cohen OP, et al. Am Ann Deaf 116:369-71, Jun 71
Viruses and disease. 3. An outbreak of adenovirus type 7A in a children's home. Harris DJ, et al.
Am J Epidemiol 93:399-402, May 71
Innovations to improve care in an institution for the mentally retarded. Cortazzo AD, et al.
Children 18:149-54, Jul-Aug 71
Institutions for the aged: theory, content, and methods for research. Lawton MP.
Gerontologist 10:305-12, Winter 70
Theoretical conceptions of institutional and community care of the aged. Lissitz S.
Gerontologist 10:298-304, Winter 70
The goals and philosophy of a residential treatment center for asthmatic children. Mascia AV.
J Asthma Res 8:43-50, Dec 70
Quadriplegia: what does it mean? Maxwell R.
J Rehabil 37:10-3, May-Jun 71
The admission of mothers to hospital with their young children. Cook PS. Med J Aust 2:650-1, 3 Oct 70
Issue at point: a need for the chaplaincy? Leath JR.
Ment Retard 1:42-3, Apr 71
Residential services. Kugel RB.
Nebr State Med J 55:606-9, Oct 70
Buildings for mentally handicapped people. The experts report. Andrews J.
Nurs Times 67:809-11, 1 Jul 71
Kushlick: a Wizard at Wessex. Evagorou D.
Nurs Times 66:1530-2, 26 Nov 70
The treatment of asthmatic children away from home. Smith JM. Public Health 84:286-90, Sep 70
Kentucky's camp for diabetic children. Harrell HL Jr, et al. South Med J 64:734-7, Jun 71
Rethinking the bedroom image. Pomeroy D.
Spec Educ 59:24-6, Dec 70
[Experiences with the foster home care of chronic mentally ill] Luxenburger O.
Nervenarzt 41:594-9, Dec 70 (Ger)

STANDARDS

Importance hierarchy of AAMD standards for residential institutions. Ostrom TM, et al.
Ment Retard 1:29-32, Apr 71

UTILIZATION

The use of easily obtained pre-coded data in screening applicants to a long-term care facility. Sherwood S, et al. Gerontologist 10:182-8 passim, Autumn 70

RESIDENTIAL MOBILITY (N1)

Accidental poisoning of children in transit. Maragos GD, et al. J Pediatr 79:125-6, Jul 71
Children's attitudes toward a family move. Lehr CJ, et al. Ment Hyg 52:381-5, Jul 68
Dentist mobility and choice of location. Williams AF, et al. NY J Dent 41:201-5, Jun-Jul 71

RESIDENTIAL TREATMENT (F3, N2)

Residential treatment of children. A survey of institutional characteristics. Marsden G, et al.
J Am Acad Child Psychiatry 9:332-46, Apr 70
Household pets in residential schools: their therapeutic potential. Levinson BM.
Ment Hyg 52:411-4, Jul 68
Do institutions maintain retarded behavior? Bouliew D Jr. Ment Retard 1:36-8, Apr 71
A survey of public relations practice in public and private residential facilities for the mentally rearded. Bruno M, et al. Ment Retard 8:36-40, Dec 70
Intensive programming for optimal resident development. Cortazzo AD, et al.
Ment Retard 8:31-5, Dec 70
An adolescent inpatient program. Guidelines and ethics. Flasher J. Postgrad Med 49:181-5, Mar 71
Residential care of the diabetic child. Kellock TD.
Postgrad Med J 46:Suppl:629-30, Sep 70
The therapeutic community. Almond R.
Sci Am 224:34-42, Mar 71
The role of the residential treatment center in the treatment of children and adolescents with emotional problems. Quackenbush JF.
South Med J 64:671-5, Jun 71
Three summers: experiments in temporary residential care of retardates. Cole WE.
Train Sch Bull (Vinel) 67:137-40, Aug 70
[Reduction in commitments] Bosch G.
Nervenarzt 42:65-74, Feb 71 (Ger)
[The therapeutic-teaching juvenile home Sommerberg. Experiences with a sociotherapeutic experiment] Klüwer K.
Prax Kinderpsychol Kinderpsychiatr 19:223-7, Aug-Sep 70 (Ger)
[Value problems in residential treatment of adolescent psychiatric patients] Lavik NJ.
Tidsskr Nor Laegeforen 91:362-7, 20 Feb 71 (Nor)

HISTORY

A historical view of the private residential facility in the training and study of the mentally retarded in the United States. Doll EE. Ment Retard 8:3-8, Oct 70

MANPOWER

The use of resident aides in a speech and hearing program for mentally retarded. Hall SM, et al.
Ment Retard 8:37-8, Oct 70

RESIDUAL CYST see under ODONTOGENIC CYSTS (C2)

RESINAT see under ION EXCHANGE RESINS (D13)

RESINS (D13)

The neutron-shielding qualities of water-extended-polyesters. Oliver GD Jr, et al.
Health Phys 19:578-80, Oct 70
Method for finishing composite restorative materials. Chandler HH, et al. J Am Dent Assoc 83:344-8, Aug 71
Composite resins as a dental restorative material. Johnson LN. J Biomed Mater Res 5:207-23, 1971
Tritium-labelled Araldite as an internal standard for quantitative autoradiography using the electron microscope. Flitney FW. J Microsc 90:151-6, 1969
Direct elastase treatment of ultrathin sections embeddeed in water-soluble Durcupan. Kadar A, et al.
J Pathol 103:64-7, Jan 71
Composite resins to restore mutilated teeth. Spalten RG. J Prosthet Dent 25:323-6, Mar 71
Hyperaluminaemia form aluminium resins. Wrong OM, et al. Lancet 2:1130-1, 28 Nov 70
Solid-phase synthesis with attachment of peptide to resin through an amino acid side chain: (8-lysine)-vasopressin. Meienhofer J, et al.
Proc Natl Acad Sci USA 68:1006-9, May 71
Evaluation of surgical masks: the potential of resin-treated wool. Garrow C, et al.
Surgery 69:881-3, Jun 71
[Preservation of fungi in the natural state] Desvignes A, et al. Ann Pharm Fr 29:215-9, Mar 71 (Fre)
[Rheologic study of sulfamide suspensions stabilized by tragacanth gum] Moës A.
J Pharm Belg 25:468-74, Nov-Dec 70 (Fre)
[Composites] Buquet J, et al.
Rev Fr Odontostomatol 18:591-612, May 71 (Fre)
[Use of technical polyester resin in the imbedding of anatomic preparations] Kramer W, et al.
Anat Anz 127:213-6, 1970 (Ger)
[Carbamide resins and their use in technical orthopedics] Krieghoff R, et al.
Beitr Orthop Traumatol 16:146-50, Mar 69 (Ger)
[Basic evaluation and clinical application of radioimmunoassay of insulin by single antibody resin absorption method] Takaishi T.
Folia Endocrinol Jap 46:679-94, 20 Sep 70 (Jap)
[Composite resins] Ishikawa T.
J Jap Dent Assoc 23:1219-20, Mar 71 (Jap)
[Composite resin] Watanabe F.
J Jap Dent Assoc 24:483, Aug 71 (Jap)
[Determining indene and other volatile substances given off by materials produced from an indene-coumaric resin base] Evseenko NS.
Gig Sanit 35:68-70, Mar 70 (Rus)

ADVERSE EFFECTS

[2 cases of allergic reaction after administration of propolis drugs] Brovko TE, et al.
Zh Ushn Nos Gorl Bolezn 30:102-3, Jul-Aug 70 (Rus)

ANALYSIS

Effects of various finishing devices on resin surfaces. Johnson LN, et al. J Am Dent Assoc 83:321-31, Aug 71
The identification of motor body fillers. Cleverley B.
J Forensic Sci Soc 10:73-6, Apr 70
[Constituents of Espeletia schultzii Wedd. 1] Kloss P.
Arch Pharm (Weinheim) 302:376-81, May 69 (Ger)
[Studies on physical and chemical properties of plastics for medical use. IV. Examination on heavy metals in polyvinyl chloride resin for medical use] Horibe T, et al. Bull Nati Inst Hyg Sci (Tokyo) 88:11-4, 1970 (Jap)

PHARMACODYNAMICS

The assessment of purgative principles in aloes. Mapp RK, et al. Planta Med 18:361-5, Aug 70
Analgesic and psychopharmacological effects of the gum resin of Boswellia serrata. Menon MK, et al.
Planta Med 19:333-41, Apr 71
[Evaluation of high polymer materials for the capping of injection solutions] Mironova VA.
Farmatsiia 18:31-6, May-Jun 69 (Rus)

STANDARDS

An adhesie dental restorative material. Lee HL, et al.
J Dent Res 50:125-32, Jan-Feb 71
Sealing of developmental pits and fissures. I. In vitro study. Lee HL, et al. J Dent Res 50:133-40, Jan-Feb 71
The effect of pulpal tissues on microleakage around dental restorations. Stuever CH Jr, et al.
Oral Surg 31:568-70, Apr 71

THERAPEUTIC USE

[Therapeutic trial of a combination of an insoluble bismuth salt and a Karaya gum in gastrointestinal disorders] Héraud M, et al.
Lille Med 677-9, Jun-Jul 69 (Fre)
[Diagnosis and therapy of moniliasis of internal sex organs in women] Mikhailenko OT, et al.
Pediatr Akush Ginekol 3:52-6, May-Jun 69 (Ukr)

TOXICITY

[Evaluation of combined effect of some factors by the method of multiple regression] Nagornyi PA.
Farmakol Toksikol 34:366-9, May-Jun 71 (Rus)
[Prevention of professional dermatoses in adolescents having contact with phenolformaldehyde resins] Chernousova LN, et al. Gig Sanit 35:103-4, Jul 70 (Rus)

RESISTOPEN see OXACILLIN (D3)

RESORCINOL (D2)

[Demonstration of 2-desoxysugars by using orcine on chromatograms] Flossmann KD, et al.
Acta Biol Med Ger 25:717-8, 1970 (Ger)

ADMINISTRATION & DOSAGE

A comparative clinical trial of different subcutaneous doses of terbutaline and orciprenaline in bronchial asthma. Arner B.
Acta Med Scand [Suppl] 512:45-8, 1970
A clinical trial of Alupent suppositories in general practice. Clements WM, et al.
Br J Clin Pract 25:23-6, Jan 71
In-vivo response of the human uterus to orciprenaline in early labour. Tyack AJ, et al.
Br Med J 2:741-3, 26 Jun 71
A comparison of orciprenaline and salbutamol administered orally in 12 adult asthmatic patients. O'Donnell TV, et al.
Postgrad Med J 47:Suppl:115-8, Mar 71
Double-blind comparison of isoprenaline, orciprenaline and salbutamol aerosols in patients with asthma. Tala E, et al. Postgrad Med J 47:Suppl:61-3, Mar 71
Comparative studies of the protective effect of Alupent and Th 1165a against histamine in man.
Beumer HM. Respiration 28:148-57, 1971
Clinical comparison of inhaled terbutaline and orciprenaline in asthmatic patients. Formgren H.
Scand J Resp Dis 51:203-11, 1970
[Results of the use of orciprenaline sulfate (Alupent) in threatening premature delivery] Favier J, et al.
Ned Tijdschr Geneeskd 114:2120-3, 19 Dec 70 (Dut)
[Dose-effect relation of oral orciprenaline in obstructive respiratory diseases] Baving G, et al.
Arzneim Forsch 20:1083-8, Aug 70 (Ger)
[Effective force and duration of Terbutalin (Bricanyl) per os in comparison with Orciprenalin] Dorsch J, et al. Med Klin 66:959-62, 25 Jun 71 (Ger)
[Effect of Alupent suppositories for children] Bauer K.
Ther Ggw 110:1147-56, Aug 71 (Ger)
[Polarizing therapy in intraventricular and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

atrio-ventricular conduction disorders] Loni G, et al. Cardiol Prat 20:65-74, Feb 69 (Ita)
[Partial pressure of arterial blood gases after intramuscular administration of orciprenaline in patients with chronic bronchial obstruction] Koziorowski A, et al. Pol Arch Med Wewn 46:33-40, 1971 (Pol)
[Changes in respiration function in patients with bronchial asthma and asthmatic bronchitis after a single administration of alupent aerosol] Nefedov VB, et al. Ter Arkh 43:44-8, Mar 71 (Rus)

ADVERSE EFFECTS

Effects of orciprenaline (Alupent) in newborn infants of low birth weight. Helwig H, et al. Z Kinderheilkd 109:76-82, 1970
[Heart arrest in asthmatics after the use of aerosol sprays] Larsen HR. Ugeskr Laeger 132:2277-8, 26 Nov 70 (Dan)
[3 case reports] Bijl WJ van der. Ned Tijdschr Geneeskd 115:446-8, 6 Mar 71 (Dut)

ANALYSIS

[Colorimetric determination of orciprenaline sulphate] Pawlak E, et al. Acta Pol Pharm 27:463-7, 1970 (Pol)

DIAGNOSTIC USE

[Use of alupent for pharmacodynamic phonocardiography in childhood] Rautenburg HW, et al. Med Welt 29:1319-25, 18 Jul 70 (Ger)
[Mesodiastolic vibratory phenomenon in healthy young subjects examined by pharmacodynamic study] Farinelli A, et al. Arcisp S Anna Ferrara 22:883-903, 1969 (Ita)

METABOLISM

[Placental passage of some labeled adrenergic amines: study in sheep] Condorelli S, et al. Acta Anaesthesiol (Padova) 21:539-47, Sep-Oct 70 (Ita)
[The metabolism of drugs. LXXIV. Metabolic fate of metaproterenol. 2] Tatsumi K, et al. J Pharm Soc Jap 91:680-3, Jun 71 (Jap)

PHARMACODYNAMICS

Circulatory effects of orciprenaline, adrenaline and a new sympathomimetic beta-receptor-stimulating agent, terbutaline, in normal human subjects. Arner B, et al. Acta Med Scand [Suppl] 512:25-32, 1970
Metabolic, circulatory and respiratory effects of a new sympathomimetic beta-receptor-stimulating agent, terbutaline, compared with those of orciprenaline. Carlström S, et al. Acta Med Scand [Suppl] 512:33-40, 1970
Bronchodilator and cardiac effects of isoprenaline, orciprenaline, and salbutamol aerosols in asthma. Milner AD, et al. Arch Dis Child 46:502-7, Aug 71
The ballistocardiographic effects of orciprenalin in patients with diverse cardiovascular diseases. Falcão de Freitas A. Bibl Cardiol 26:12-23, Mar-Apr 69
Hemodynamic response to exercise after beta-adrenergic blockade in normal and labile hypertensive patients. Folle LE, et al. Cardiology 55:105-13, 1970
A selective beta-adrenoreceptor stimulant (Th1165a) related to orciprenaline. O'Donnell SR. Eur J Pharmacol 12:35-43, 1 Sep 70
A comparison of the beta-adrenoceptor stimulant properties of salbutamol, orciprenaline and soterenol with those of isoprenaline. Farmer JB, et al. J Pharm Pharmacol 22:945-7, Dec 70
A comparison of the pharmacology of salbutamol with that of isoprenaline, orciprenaline and trimetoquinol. Brittain RT. Postgrad Med J 47:Suppl:11-6, Mar 71
[Efficiency of myocardial performance and oxidation of exogenous 14C-substrates under the influence of beta-receptor stimulating and blocking agents, as compared with other cardioactive drugs] Range H, et al. Naunyn Schmiedebergs Arch Pharmakol 266:432-3, 1970 (Ger)
[Cardiovascular effects and the acid-base status in the sheep mother and fetus induced with orciprenaline and norepinephrine] Cosmi EV, et al. Acta Anaesthesiol (Padova) 21:525-38, Sep-Oct 70 (Ita)
[The use of THAM and orciprenaline in the treatment of asphyxia neonatorum in dogs] Cosmi EV, et al. Acta Anaesthesiol (Padova) 21:515-23, Sep-Oct 70 (Ita)
[Microcirculatory activity in rats during treatment with various vasoactive substances] Bocconi GA, et al. Minerva Anestesiol 35:1274-9, Dec 69 (Ita)
[Studies on antiseptics for foodstuff. LXXI. Studies on orsellinic acid ester, beta-orcinolcarboxylic acid ester and olivetonide as a preservative for sake.] Fujikawa F, et al. J Pharm Soc Jap 90:1517-9, Dec 70 (Jap)
[Comparative evaluation of the bronchodilator effects and cardiovascular effects of 3 beta adrenergic stimulants in bronchial asthma--comparison of isoproterenol, metaproterenol and salbutamol] Matsumoto S, et al. Jap J Allergy 20:599-609, Aug 71 (Jap)
[Action of orciprenaline on uterine contractility] Guevara-Rubio G, et al. Ginecol Obstet Mex 29:301-18, Mar 71 (Spa)

POISONING

[Percutaneous poisoning by resorcinol, salicylic acid and white precipitated ointment] Wüthrich B, et al. Pharm Acta Helv 45:453-60, Jul 70 (Ger)

THERAPEUTIC USE

Action of orciprenaline on uterine contractility during labor, maternal cardiovascular system, fetal heart rate, and acid-base balance. Zilianti M, et al. Am J Obstet Gynecol 109:1073-9, 1 Apr 71
Treatment of premature labour with orciprenaline. Baillie P, et al. Br Med J 4:154-5, 17 Oct 70
Studies on the pulmonary physiological effect of sympathomimetic amines in bronchial asthma. Crosbie WA, et al. J Asthma Res 8:99-110, Mar 71
Comparison of the effects of salbutamol and orciprenaline in asthma. Dano P. Postgrad Med J 47:Suppl:86-8, Mar 71
The bronchodilator effects of orciprenaline and salbutamol. A double-blind study. Racoveanu C, et al. Postgrad Med J 47:Suppl:83-6, Mar 71
[Salbutamol as a beta-adrenergic stimulator in bronchospastic pulmonary conditions] Dano P, et al. Ugeskr Laeger 133:685-8, 16 Apr 71 (Dan)
[Action of orciprenaline on the contractility of the pregnant uterus and on the fetal cardiac rhythm] Pontonnier G, et al. Gynecol Obstet (Paris) 70:157-63, Mar-Apr 71 (Fre)
[The effects of theophylline, isoprenaline, orciprenaline and dexamethasone on the protracted anaphylactic shock of the guinea pig] Giertz H, et al. Arzneim Forsch 20:1551-4, Oct 70 (Ger)
[Ceglunat intoxication in childhood and treatment with Alupent] Schwarz E. Dtsch Gesundheitsw 26:364-7, 18 Feb 71 (Ger)
[Treatment of bradycardiac rhythm disorders in myocardial infarct] Reichmuth J. Schweiz Med Wochenschr 100:182-4, 31 Jan 70 (Ger)
[Clinical experiences with a new beta 2-receptor stimulant in spastic lung diseases in pediatrics] Starnegg Q. Wien Med Wochenschr 121:455-7, 29 May 71 (Ger)
[The therapy of supraventricular abnormal rhythms with Orciprenalin in the so-called transition phase after cardioversion] Olesch K, et al. Z Kreislaufforsch 59:942-9, Oct 70 (Ger)
[Action of metaproterenol on the dynamics of the aqueous humor] Carli A, et al. Ann Ottalmol Clin Ocul 95:597-601, Jul 69 (Ita)
[The treatment of atrio-ventricular blocks with corticoids and metaproterenol] Morgano G, et al. Arch E Maragliano Patol Clin 25:63-71, Jan-Feb 69 (Ita)
[Use of some beta-adrenergic stimulators in the treatment of critical states of the cardiovascular system] Gavrilescu S, et al. Med Interna (Bucur) 22:1201-16, Oct 70 (Rum)
[Comparative study of the action of beta-sympathomimetic bronchodilator agents in chronic obstructive pneumopathy] Racoveanu C, et al. Stud Cercet Med Interna 12:151-60, 1971 (Rum)
[Clinical experience in the use of orciprenaline (Alupent) as an inhibitor of uterine contractility] Chargoy Vera J, et al. Ginecol Obstet Mex 29:81-9, Jan 71 (Spa)
[Comparative study of the bronchospasmolytic effect of alupent and aleudrine by spirometric examination of pulmonary ventilation] Juričić V. Lijec Vjesn 92:217-22, 1970 (Cro)

RESORTS see HEALTH RESORTS (G3)

RESPIRATION (G1)

see also related
APNEA (C5, C17)
BREATHING EXERCISES (E2)
DYSPNEA (C17)

Studies of the variability in expiratory efforts before and after cholecystectomy. Finer B. Acta Anaesthesiol Scand Suppl 38:1-68, Sep 70
Ventilation-perfusion ratio during intermittent positive-pressure ventilation. Importance of no-flow interval during the insufflation. Lyager S. Acta Anaesthesiol Scand 14:211-32, 1970
Ventilatory and circulatory effects of anaesthesia and cardiopulmonary bypass. Nordén I, et al. Acta Anaesthesiol Scand 14:297-316, 1970
Maximal respiratory pressure and pliability of the body wall of the Japanese ama. Kobayasi S, et al. Acta Med Biol (Niigata) 18:249-60, Mar 71
Nasopulmonary mechanics-experimental evidence of the influence of the upper airway upon the lower. Ogura JH, et al. Acta Otolaryngol (Stockh) 71:123-32, Feb-Mar 71
Control of respiration in newborn babies. II. The development of the thoracic reflex response to an added respiratory load. Bodegård G, et al. Acta Paediatr Scand 60:181-6, Mar 71
Respiratory quotient and metabolic rate in normal full-term and small-for-date newborn infants. Senterre J, et al. Acta Paediatr Scand 59:653-8, Nov 70
Transthoracic impedance, with special reference to newborn infants and the ratio air-to-fluid in the lungs. Olsson T, et al. Acta Paediatr Scand [Suppl] 207:Suppl 207:1+, 1970
Monitoring with impedance plethysmography in the neonatal period. Selstam U, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:22+, 1970
Digital computer analysis of respiratory patterns in the neonatal period. Selstam U, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:23+, 1970
Computer analysis of long-term records of heart rate and respiration rate in newborn infants. Välimäki I, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:144+, 1970
Ventilatory responses to hypoxia and hypercapnia with external airway resistance. Barnett TB, et al. Acta Physiol Scand 80:538-51, Dec 70
The effect of breathing on the cardiovascular adjustments induced by face immersion in man. Blix AS, et al. Acta Physiol Scand 82:143-4, May 71
Transient dynamics of ventilation and heart rate with step changes in work load from different load levels. Broman S, et al. Acta Physiol Scand 81:54-74, Jan 71
Regulation of depth and rate of breathing in cat and man. Clark FJ, et al. Acta Physiol Scand 80:20A-21A, Dec 70
Ventilatory response to CO2 in hyperbaric environments. Fagraeus L, et al. Acta Physiol Scand 80:19A-20A, Dec 70
Ventilation and heart-rate responses to ramp-function changes in work load. Karlsson H, et al. Acta Physiol Scand 81:215-24, Feb 71
The effect of high oxygen tensions on ventilation during severe exercise. Kozlowski S, et al. Acta Physiol Scand 81:385-95, Mar 71
Anatomic and physiologic aspects of respiratory kymography. Schmidt S. Acta Radiol [Diagn] (Stockh) 8:409-22, Sep 69
The mechanical work of breathing during controlled ventilation in normal subjects and patients with bronchial asthma. Dacosta J, et al. Acta Soc Med Ups 75:110-8, 1970
Importance of certain factors for changes in physical work capacity and ventilatory capacity during five years' ageing. Ericsson P. Acta Soc Med Ups 75:131-49, 1970
Control of ventilation in underwater swimmers: the effect of intermittent exposure to hyperbaric O2. Greenbaum LJ Jr, et al. Aerosp Med 42:9-12, Jan 71
Electrochemical aircrew oxygen systems. Kiraly RJ, et al. Aerosp Med 41:1400-3, Dec 70
Physiological aspects of mammalian breath-hold diving: a review. Strauss MB. Aerosp Med 41:1362-81, Dec 70 (152 ref.)
Regional distribution of pulmonary blood flow and ventilation in normal supine males. Norman JR. Ala J Med Sci 8:132-40, Jan 71
Respirable dust characteristics of polydisperse aerosols. Moss OR, et al. Am Ind Hyg Assoc J 31:546-7, Sep-Oct 70
An aerosol inhalation apparatus for human single breath deposition studies. Palmes ED, et al. Am Ind Hyg Assoc J 32:43-6, Jan 71
Right and left ventricular systolic time intervals. Effects of heart rate, respiration and atrial pacing. Leighton RF, et al. Am J Cardiol 27:66-72, Jan 71
Autonomic activity during rest in normal and mentally deficient subjects. Clausen J, et al. Am J Ment Defic 75:361-70, Nov 70
Cardiorespiratory response to exercise during pregnancy. Guzman CA, et al. Am J Obstet Gynecol 108:600-5, 15 Oct 70
Experimental cardiogenic shock: pulmonary performance after acute myocardial infarction. Edelman NH, et al. Am J Physiol 219:1723-30, Dec 70
Relationship between phrenic nerve activity and ventilation. Eldridge FL. Am J Physiol 221:535-43, Aug 71
Mechanical basis for lung volume variability in the turtle Pseudemys scripta elegans. Jackson DC. Am J Physiol 220:754-8, Mar 71
Role of respiratory chemoreceptors in adrenocortical activation. Lau C. Am J Physiol 221:602-6, Aug 71
Respiratory and cutaneous evaporation in the zebra finch: effect on water balance. Lee P, et al. Am J Physiol 220:1598-605, Jun 71
Cardiorespiratory alterations in unanesthetized dogs due to gram-negative bacterial endotoxin. Priano LL, et al. Am J Physiol 220:705-11, Mar 71
Pulmonary blood flow response to cyclic inflation of isolated cat lungs. Thomas LJ Jr, et al. Am J Physiol 221:808-16, Sep 71
Roentgenographic measurements of diaphragmatic motion-respiratory compliance. Zanca P.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Am J Roentgenol Radium Ther Nucl Med 110:717-24, Dec 70

Effects of oxygen and ventilation on pulmonary mechanics and ultrastructure during cardiopulmonary bypass. Weedn RJ, et al. Am J Surg 120:584-90, Nov 70

Gas exchange abnormalities in diffuse lung disease. Barrocas M, et al. Am Rev Resp Dis 104:72-87, Jul 71

Ventilatory components of lungs in relation to sex and age. Chiang ST, et al. Am Rev Resp Dis 104:175-81, Aug 71

The effect of anemia on pulmonary diffusing capacity with derivation of a correction equation. Dinakara P, et al. Am Rev Resp Dis 102:965-9, Dec 70

A study of gas analysis for measurement of pulmonary diffusing capacity for carbon monoxide by chromatographic techniques. Hamilton LH, et al. Am Rev Resp Dis 102:916-20, Dec 70

Tissue viscance in chronic obstructive lung disease. Ishikawa S, et al. Am Rev Resp Dis 104:32-40, Jul 71

Physiologic and pathologic respiratory changes in delayed type hypersensitivity reaction in guinea pigs. Miyamoto T, et al. Am Rev Resp Dis 103:509-15, Apr 71

Respiratory function in southern Appalachian coal miners. Rasmussen DL, et al. Am Rev Resp Dis 103:240-8, Feb 71

A simple, rapid technique for assessing airway resistance during quiet breathing. Sobol BJ. Am Rev Resp Dis 102:970-4, Dec 70

Relationship between anatomic dead space and body size in health, asthma, and cystic fibrosis. Wood LD, et al. Am Rev Resp Dis 104:215-22, Aug 71

Mechanics of breathing in mitral stenosis. Wood TE, et al. Am Rev Resp Dis 104:52-60, Jul 71

Respiratory physiology in annelids. Mangum C. Am Sci 58:641-7, Nov-Dec 70

A method for securing the airway during operations on the pharynx and trachea. Birkinshaw K. Anaesthesia 26:84-5, Jan 71

The chemical regulation of ventilation. Duffin J. Anaesthesia 26:142-54, Apr 71 (57 ref.)

Distribution of gas and airway closure. Hulands GH, et al. Anaesthesia 26:88-9, Jan 71

Experimental investigations into pulmonary oxygen toxicity. Smith G, et al. Anaesthesia 26:86-7, Jan 71

Dead space during anaesthesia. Effect of added oxygen. Sykes MK, et al. Anaesthesia 26:22-7, Jan 71

Vagal activity in canines: a possible connection to hyperventilation syndrome. Rao LN, et al. Anesth Analg (Cleve) 49:351-4, May-Jun 70

The relationship of ventilation to diffusion hypoxia. Selim D, et al. Anesth Analg (Cleve) 49:437-40, May-Jun 70

Evaluation of a laboratory means of estimating respiratory water loss using the T-piece system. Welsh B, et al. Anesth Analg (Cleve) 50:103-8, Jan-Feb 71

Self-administered methoxyflurane for improved postoperative ventilation. Yakaitis RW, et al. Anesth Analg (Cleve) 49:345-50, May-Jun 70

Constant positive-pressure breathing and cardiorespiratory function. Colgan FJ, et al. Anesthesiology 34:145-51, Feb 71

The present status of sighing. Gold MI. Anesthesiology 33:565-7, Nov 70

Airless respiration--bloodless circulation. Hershey SG. Anesthesiology 34:305-6, Apr 71

Oxygenation by ventilation with fluorocarbon liquid (FX-80). Modell JH, et al. Anesthesiology 34:312-20, Apr 71

Pneumotachometry--a means to prevent malfunction caused by mucous deposition. Saklad M, et al. Anesthesiology 33:661-3, Dec 70

Intrathoracic pressure, pulmonary vascular pressures and gas exchange during pulmonary lavage. Smith JD, et al. Anesthesiology 33:401-5, Oct 70

The effect of gas inflow on the regulation of CO2 levels with hyperventilation during anesthesia. Suwa K, et al. Anesthesiology 33:440-5, Oct 70

Altered perfusion, ventilation, anesthesia and lung-surface forces in dogs. Woo SW, et al. Anesthesiology 33:411-8, Oct 70

Spirometry in normal adolescents. Korhonen O, et al. Ann Clin Res 1:120-5, Sep 69

Respiratory alterations in the intensity of the continuous murmur of splenic arteriovenous fistula. Hyman AL, et al. Ann Intern Med 74:947-9, Jun 71

Pathophysiology of hereditary emphysema. Stevens PM, et al. Ann Intern Med 74:672-80, May 71

The excretion in breath of some aliphatic halogenated hydrocarbons following administration by inhalation. Morgan A, et al. Ann Occup Hyg 13:219-33, Dec 70

The cricothyroid as a respiratory muscle. Its characteristics in bilateral recurrent laryngeal nerve paralysis. Suzuki M, et al. Ann Otol Rhinol Laryngol 79:976-83, Oct 70

Effect of changes in inspired oxygen and carbon dioxide tensions on wound tensile strength: an experimental study. Stephens FO, et al. Ann Surg 173:515-9, Apr 71

Long-term survival in the immediately functioning transplanted primate lung. Physiological findings. Joseph WL, et al. Ann Thorac Surg 11:442-9, May 71

Sputum viscosity and pulmonary function in cystic fibrosis. Feather EA, et al. Arch Dis Child 45:807-8, Dec 70

Respiratory mechanics in infants of low birthweight. Feather EA, et al. Arch Dis Child 46:398, Jun 71

Pulmonary function and response to exercise in cystic fibrosis. Godfrey S, et al. Arch Dis Child 46:144-51, Apr 71

Peak expiratory flow rates in children under 5 years of age. Milner AD, et al. Arch Dis Child 45:780-2, Dec 70

Effect of alterations in mechanical ventilator settings on pulmonary gas exchange in hyaline membrane disease. Reynolds EO. Arch Dis Child 46:152-9, Apr 71

Mechanical properties of the lung in cynomolgus monkeys. Measurement with real-time digital computerization. Alarie Y, et al. Arch Environ Health 22:643-54, Jun 71

Distribution of ventilation in cynomolgus monkeys. Measurement with real-time digital computerization. Alarie Y, et al. Arch Environ Health 22:633-42, Jun 71

Human tracheobronchial clearance studies. With fluorocarbon resin particles tagged with 18F. Camner P, et al. Arch Environ Health 22:444-9, Apr 71

Carbon monoxide uptake by inspectors at a United States-Mexico border station. Cohen SI, et al. Arch Environ Health 22:47-54, Jan 71

Correlation of anthropometry and simple tests of pulmonary function. Ferris BG Jr, et al. Arch Environ Health 22:672-6, Jun 71

Oxygen uptake, ventilation, and heart rate. Study in Negro children during strenuous exercise. Maksud MG, et al. Arch Environ Health 23:23-8, Jul 71

Effects of environment on respiratory function. 3. Weekly studies on young male adults. Spicer WS Jr, et al. Arch Environ Health 21:635-42, Nov 70

Single-breath gas distribution in chronic obstructive lung disease. Isoproterenol effect on neon dilution volume and diffusing capacity. Daly WJ. Arch Intern Med 127:763-6, Apr 71

Cheyne-Stokes respiration. A review of clinical manifestations and critique of physiological mechanisms. Dowell AR, et al. Arch Intern Med 127:712-26, Apr 71 (187 ref.)

Reduction of increased intracranial pressure. Comparison between hyperbaric oxygen and hyperventilation. Miller JD, et al. Arch Neurol 24:210-6, Mar 71

Physiology of the nasal valve. Bridger GP. Arch Otolaryngol 92:543-53, Dec 70

Cardiorespiratory studies in critical illness. Changes in aspiration pneumonitis. Lewis RT, et al. Arch Surg 103:335-40, Aug 71

The in vivo carbon dioxide titration curve in man during rebreathing. Despas PJ, et al. Aust J Exp Biol Med Sci 48:657-61, Dec 70

Methods of investigation of the mechanics of breathing in the artificially ventilated newborn. Geubelle F, et al. Biol Neonate 16:35-46, 1970

Alveolar to arterial oxygen tension difference and venous admixture in newly born infants with congenital diaphragmatic herniation through the foramen of Bochdalek. Murdock AI, et al. Biol Neonate 17:161-72, 1971

Lung mechanics in infants recovering from respiratory distress syndrome. Spoelstra AJ, et al. Biol Neonate 17:321-45, 1971

Respiratory environment and acid-base balance in the developing fetus. Yamada N. Biol Neonate 16:222-42, 1970

Effect of respiration on venous return and stroke volume in cardiac tamponade. Gabe IT, et al. Br Heart J 32:592-6, Sep 70

Influence of body position on exercise tolerance, heart rate, blood pressure, and respiration rate in coronary insufficiency. Lecerof H. Br Heart J 33:78-83, Jan 71

The effects of variations in inspiratory: expiratory ratio on cardiorespiratory function during controlled ventilation in normo-, and hypo-and hypervolaemic dogs. Finlay WE, et al. Br J Anaesth 42:935-40, Nov 70

Studies of anaesthesia in relation to hypertension. 3. Pulmonary gas exchange during spontaneous ventilation. Foëx P, et al. Br J Anaesth 43:644-61, Jul 71

Laryngospasm and respiratory changes in the cat produced by mechanical stimulation of the pharynx and respiratory tract: problems of intubation in the cat. Rex MA. Br J Anaesth 43:54-7, Jan 71

Application of an end-expiratory pressure in the management of three cases of pulmonary oedema. Russell WJ, et al. Br J Anaesth 43:705-8, Jul 71

Role of ventilation and blood flow in pulmonary clearance of inhalation anaesthetics. A theoretical study. Torri G, et al. Br J Anaesth 43:759-66, Aug 71

Pulmonary function in aspergillus-sensitive asthma patients. Biagi RW, et al. Br J Clin Pract 24:470-4, Nov 70

A normative study of airflow in children. Beckett RL, et al. Br J Disord Commun 6:13-6, Apr 71

Acute effects of autotransplantation on pulmonary vascular resistance and blood-gas exchange in the canine lung. Lincoln JC, et al. Br J Surg 57:852, Nov 70

Effect of disodium cromoglycate on exacerbations of asthma produced by hyperventilation. Clarke PS. Br Med J 1:317-9, 6 Feb 71

Pulmonary gas exchange during dialysis. Freedman S, et al. Br Med J 3:48, 3 Jul 71

Gas exchange in renal failure. II. Pulmonary gas exchange during peritoneal dialysis. Goggin MJ, et al. Br Med J 2:247-8, 1 May 71

Prognosis in acute cerebrovascular accidents in relation to respiratory pattern and blood gas tensions. Rout MW, et al. Br Med J 3:7-9, 3 Jul 71

Gaps in the Breathalyser laws. Br Med J 2:58, 3 Apr 71

Control of breathing. Br Med J 3:720-1, 26 Sep 70

Respiratory variations of blood pressure in the ox (Bos taurus) during panting. Whittow GC. Br Vet J 126:652-5, Dec 70

An experimental study of hiccup. Davis JN. Brain 93:851-72, 1970

Pattern of sympathetic discharges and their relation to baroreceptor and respiratory activities. Koizumi K, et al. Brain Res 27:281-94, 2 Apr 71

Variation of maximal expiratory flow at exercise test in patients with bronchial asthma. Irnell L, et al. Bronches 18:506-9, Nov-Dec 68

A correction for the effect of the dead space in pulmonary gas washout tests. Cantor DG, et al. Bull Math Biophys 32:215-8, Jun 70

Analysis of relative contributions to the alveolar-arterial oxygen gradient. Hills BA. Bull Math Biophys 33:259-80, Jun 71

Value of spirometric investigations in the assessment of the results of mitral commissurotomy. Cuchra-Zbien A, et al. Bull Pol Med Sci Hist 14:35-6, Jan 71

Airway closure and lung volumes in surgical positions. Craig DB, et al. Can Anaesth Soc J 18:92-9, Jan 71

Humidity in anaesthesiology. IV. Determination of the alveolar humidity and temperature in the dog. Déry R. Can Anaesth Soc J 18:145-51, Mar 71

The effect of hypothermia on the respiratory response to carbon dioxide. Edelist G. Can Anaesth Soc J 17:551-6, Nov 70

Respiratory water and heat loss of the black duck during flight at different ambient temperatures. Berger M, et al. Can J Zool 49:767-74, May 71

The function of the ventral velum during gill irrigation in Rana catesbeiana. Gradwell N. Can J Zool 48:1179-86, Nov 70

Problems in studies of human exposure to air pollutants. Bates DV, et al. Can Med Assoc J 103:833-7, 17 Oct 70

Bronchial clearance abnormalities in man produced by cigarette smoke and lung disease. Albert RE, et al. Chest 59:Suppl:3S, May 71

Regional aerosol clearance in smokers and nonsmokers. Aldas JS, et al. Chest 59:Suppl:2S, May 71

Clinical course related to preoperative and postoperative pulmonary function in patients with bronchogenic carcinoma. Boushy SF, et al. Chest 59:383-91, Apr 71

The effect of hypoxia and hypercapnia on respiratory neuron activity and cerebral aerobic metabolism. Cherniack NS, et al. Chest 59:Suppl:29S, May 71

Alveolo bronchiolar transport; observations and hypothesis of a pathway. Green GM. Chest 59:Suppl:1S-2S, May 71

Lung function in acute pulmonary histoplasmosis. Stanescu DC, et al. Chest 60:105-7, Jul 71

Pathophysiology of hereditary emphysema. Stevens PM, et al. Chest 59:Suppl:19S, May 71

Variation in ventilation and inspired-gas composition during pulmonary artery occlusion of the hilar-stripped lung: effects on subsequent pulmonary function. Yasumura Y, et al. Chest 58:506-12, Nov 70

Respiratory effects of subarachnoid and epidural block. Freund FG. Clin Anesth 2:97-107, 1969 (62 ref.)

Cardio-respiratory response to treadmill exercise in normal children. Anderson SD, et al. Clin Sci 40:433-42, May 71

Physiological effects of repeated exercise. Davies CT, et al. Clin Sci 39:247-58, Aug 70

Reactions of arterial and venous vessels in the human forearm and hand to deep breath or mental strain. Delius W, et al. Clin Sci 40:271-82, Mar 71

Circulatory and respiratory changes during unilateral and bilateral cranial nerve IX and X block in two asthmatics. Eisele JH, et al. Clin Sci 40:117-25, Feb 71

The effects of decreased thoracic compliance on the ventilatory response to CO2. Freedman S, et al. Clin Sci 39:19P, Dec 70

Estimates of arterial PCO2 and their effect on the calculated values of cardiac output and dead space on exercise. Godfrey S, et al. Clin Sci 39:529-37, Oct 70

Cardio-respiratory response to exercise in normal children. Godfrey S, et al. Clin Sci 40:419-31, May 71

The effect of lung deflation on breathing in man. Guz A, et al. Clin Sci 40:451-61, Jun 71

Effect of speed of inspiration on gas distribution in lungs of normal subjects and patients with bronchitis. Hughes JM, et al. Clin Sci 39:19P, Dec 70

Respiratory and haemodynamic response to carbon dioxide breathing in patients with and without bronchial obstruction. Jeżek V, et al. Clin Sci 41:101-7, Aug 71

A non-linear theory of the distribution of pulmonary ventilation. Pedley TJ, et al. Clin Sci 40:13P, Mar 71

Exercise tolerance breathing a low density gas mixture,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

35 per cent oxygen and air in patients with chronic obstructive bronchitis. Raimondi AC, et al. Clin Sci 39:675-85, Nov 70

Patterns of ventilatory response to carbon dioxide during recovery from severe asthma. Rebuck AS, et al. Clin Sci 41:13-21, Jul 71

Respiratory responses to sustained static muscular contractions in humans. Wiley RL, et al. Clin Sci 40:221-34, Mar 71

Effects of hypoxia upon respiration and circulation in the dogfish Scyliorhinus stellaris. Piiper J, et al. Comp Biochem Physiol 36:513-20, 1 Oct 70

A computer program for computation and interpretation of pulmonary function data. Rosner SW, et al. Comput Biomed Res 4:141-56, Apr 71

An on-line hybrid computing system for dynamic respiratory response studies. Swanson GD, et al. Comput Biomed Res 4:205-15, Apr 71

Phasic air movement model of respiratory regulation of carbon dioxide balance. Yamamoto W, et al. Comput Biomed Res 3:699-717, Dec 70

The smoke reflex in rabbits. An example of autonomic control of cardiorespiratory function. Bynum TE, et al. Cond Reflex 5:233-40, Oct-Dec 70

The relation of respiration rate and heart rate to sleep states in the human newborn. Ashton R, et al. Dev Med Child Neurol 13:180-7, Apr 71

The correlation of heart and respiratory frequency in natural sleep of man and their relation to dream content. Baust W, et al. Electroencephalogr Clin Neurophysiol 30:262-3, Mar 71

Correlations between electrical and pharmacological observations during anoxia in the rabbit, in normal and assisted respiration. Giurgea C, et al. Electroencephalogr Clin Neurophysiol 30:249-50, Mar 71

Carbon monoxide partial pressure in tissue of different animals. Göthert M, et al. Environ Res 3:303-9, Nov 70

EEG activation in epilepsies other than petit mal. Morgan MH, et al. Epilepsia 11:255-61, Sep 70

Pilot response in flight and simulated flight. Rolfe JM, et al. Ergonomics 13:761-8, Nov 70

The energy expenditure and food intake of the ship's company of a submarine. Southgate DA, et al. Ergonomics 13:777-82, Nov 70

The respiratory system of Azotobacter vinelandii. 1. Properties of phosphorylating respiratory membranes. Ackrell BA, et al. Eur J Biochem 20:22-8, 11 May 71

The respiratory system of Azotobacter vinelandii. 2. Oxygen effects. Ackrell BA, et al. Eur J Biochem 20:29-35, 11 May 71

Respiratory neurons participating in sneeze and in response to resistance to expiration. Price WM, et al. Exp Neurol 29:554-70, Dec 70

Modulation of laryngeal activity by pulmonary changes during vocalization in cats. Testerman RL. Exp Neurol 29:281-97, Nov 70

Approach to a quantitative differentiation between the respiratory effects evoked from the lung stretch and the lung deflation receptors during thoracic compression. Koller EA, et al. Experientia 27:163-4, 15 Feb 71

On the causes and treatment of snoring. Eye Ear Nose Throat Mon 50:75-9, Feb 71

The regulation of respiration. Bernards JA. Folia Med Neerl 13:124-33, 1970

Respiration of the story of oxygen and carbon dioxide transport in the body. Leeuwen AM van. Folia Med Neerl 13:89, 1970

External gas exchange. Visser BF. Folia Med Neerl 13:119-24, 1970

Gas transport by the blood. Zijlstra WG. Folia Med Neerl 13:113-8, 1970

Phonation quotient in patients with laryngeal diseases. Iwata S, et al. Folia Phoniatr (Basel) 22:117-28, 1970

Aerodynamic study of fibrato and voluntary 'straight tone' pairs in singing. Large J, et al. Folia Phoniatr (Basel) 23:50-65, 1971

Air flow in the upper register. McGlone RE. Folia Phoniatr (Basel) 22:231-8, 1970

Exercise intensity threshold for improvement of cardiovascular-respiratory function in older men. De Vries HA. Geriatrics 26:94-101, Apr 71

The use of small gas chromatographs for breath testing of drunken drivers by the highway patrol utilizing the public health laboratory (Kansas). Glendening BL, et al. Health Lab Sci 8:131-41, Jul 71

Colorado breath alcohol program. McGuire D, et al. Health Lab Sci 8:150-4, Jul 71

Chromatographic breath alcohol test program in Iowa. Morris RL, et al. Health Lab Sci 8:142-9, Jul 71

The deposition of atmospheric condensation nuclei in the nasopharyngeal region of the human respiratory tract. Hounam RF. Health Phys 20:219-20, Feb 71

The deposition and retention of inhaled 152-154europium oxide in the rat. Johnson RF Jr, et al. Health Phys 20:187-93, Feb 71

A self-centering respiration monitor for small animal research. Graystone P. IEEE Trans Biomed Eng 18:382-3, Sep 71

Patterns of competitive interaction of two peripheral opposing stimuli in decerebrate cats. Gogate MG, et al. Indian J Med Res 58:634-44, May 70

The significance of cutaneous respiration in Bufo regularis Reuss. Cloudsley-Thompson JL. Int J Biometeorol 14:361-4, Dec 70

Cardiovascular and ventilatory responses to exercise breathing 100 per cent oxygen. Byrd RJ, et al. Int Z Angew Physiol 28:263-8, 1970

Apneustic respiration after unilateral brain stem lesions. Korczyn AD. Isr J Med Sci 7:295-7, Feb 71

Exercise-induced bronchospasm, ventilation, and blood gases in asthmatic children. Katz RM, et al. J Allergy 47:148-58, Mar 71

Investigation of voluntary and primary respiratory mechanisms. Mitchell FL Jr, et al. J Am Osteopath Assoc 70:1109-13, Jun 71

The Morey lymphatic pump. Morey LW Sr. J Am Osteopath Assoc 70:718-9, Mar 71

Respiration rate and rectal temperature in the newborn lamb. Simms RH. J Anim Sci 32:296-300, Feb 71

Effect of skin cooling on exercise ventilation in the awake dog. Bainton CR, et al. J Appl Physiol 30:370-7, Mar 71

Tidal volume and respiratory rate changes at start and end of exercise. Beaver WL, et al. J Appl Physiol 29:872-6, Dec 70

Cost of submaximal and maximal work during chronic exposure at 3,800 m. Billings CE, et al. J Appl Physiol 30:406-8, Mar 71

Venous admixture and lung water in healthy subjects over 50 years of age. Bristow GK, et al. J Appl Physiol 30:552-7, Apr 71

Ventilatory control in the athlete. Byrne-Quinn E, et al. J Appl Physiol 30:91-8, Jan 71

Dynamic respiratory and circulatory responses to hypoxia in the anesthetized dog. Carrell DE, et al. J Appl Physiol 30:305-12, Mar 71

Effects of continuous positive-pressure ventilation on gas exchange in acute pulmonary edema. Cheney FW Jr, et al. J Appl Physiol 30:378-81, Mar 71

Variability of maximum expiratory flow-volume curves and effort independency. Clément J, et al. J Appl Physiol 31:55-62, Jul 71

Exhausting work limited by external resistance and inhalation of carbon dioxide. Craig FN, et al. J Appl Physiol 29:847-51, Dec 70

Neural stimuli increasing respiration during different types of exercise. D'Angelo E, et al. J Appl Physiol 30:116-21, Jan 71

A new interpretation of the VO2max. Denckla WD. J Appl Physiol 31:168-73, Jul 71

Effect of distension on metabolism of excised dog lung. Faridy EE, et al. J Appl Physiol 31:31-7, Jul 71

Comparison of cardiovascular responses to steady- and unsteady-state exercise. Gilbert R, et al. J Appl Physiol 30:388-93, Mar 71

Determining avian ECG and respiration with a single-channel radiotransmitter. Grant CV, et al. J Appl Physiol 30:302-3, Feb 71

Interrelationships of factors affecting pulmonary diffusing capacity. Gurtner GH, et al. J Appl Physiol 30:619-24, May 71

Transthoracic electrical impedance variations associated with respiration. Kira S, et al. J Appl Physiol 30:820-6, Jun 71

Rebreathing measurements of pulmonary diffusing capacity for CO during exercise. Lawson WH Jr. J Appl Physiol 29:896-900, Dec 70

Partitioning of immediate ventilatory stability to added elactic loads in cats. Lynne-Davies P, et al. J Appl Physiol 30:814-9, Jun 71

Immediate ventilatory response to added inspiratory elastic loads in cats. Lynne-Davies P, et al. J Appl Physiol 30:512-6, Apr 71

Metabolic and cardiorespiratory response during free swimming and treadmill walking. McArdle WD, et al. J Appl Physiol 30:733-8, May 71

Cardiopulmonary and metabolic changes during exercise in children 6-14 years old. Máček M, et al. J Appl Physiol 30:200-4, Feb 71

Time course of heart rate, ventilation, and Vo2 during laboratory and field exercise. Maksud MG, et al. J Appl Physiol 30:536-9, Apr 71

Respiratory function during a simulated saturation dive to 1,500 feet. Morrison JB, et al. J Appl Physiol 30:724-32, May 71

Interaction between arterial PO2 and PCO2 in the initiation of respiration of fetal sheep. Pagtakhan RD, et al. J Appl Physiol 30:382-7, Mar 71

Respiratory and cardiac responses to exercise in man. Paulev PE. J Appl Physiol 30:165-72, Feb 71

Mechanics of the diaphragm. Pengelly LD, et al. J Appl Physiol 30:797-805, Jun 71

Apparatus measuring oxygen consumption and expired CO2 and 14CO2 in small subjects. Persson B, et al. J Appl Physiol 29:731-9, Nov 70

Relation of ventilation during base deficit to acid-base values in blood and spinal fluid. Pierce NF, et al. J Appl Physiol 30:677-83, May 71

Effects of walking on body composition and cardiovascular function of middle-aged man. Pollock ML, et al. J Appl Physiol 30:126-30, Jan 71

Effects of carbohydrate metabolism upon respiratory gas exchange in normal men. Saltzman HA, et al. J Appl Physiol 30:228-31, Feb 71

Effects of pressure on ventilation and gas exchange in man. Saltzman HA, et al. J Appl Physiol 30:443-9, Apr 71

Cerebrospinal fluid acid-base composition at high altitude. Sorensen SC, et al. J Appl Physiol 31:28-30, Jul 71

Quantitative computer analysis of cardiac and respiratory activity in newborn infants. Tarlo PA, et al. J Appl Physiol 31:70-5, Jul 71

Measurement of respiratory parameters in blood of chicken embryo. Tazawa H. J Appl Physiol 30:17-20, Jan 71

Gas exchange when one lung region inspires from another. West JB. J Appl Physiol 30:479-87, Apr 71

Mechanical factors influencing collateral ventilation in human, dog, and pig lungs. Woolcock AJ, et al. J Appl Physiol 30:99-115, Jan 71

Physiological effects of acute changes in altitude in a deep mine. Wyndham CH, et al. J Appl Physiol 30:232-7, Feb 71

Optimal regulation of respiratory airflow. Yamashiro SM, et al. J Appl Physiol 30:597-602, May 71

Ventilatory mechanics and expiratory flow limitation during exercise in patients with obstructive lung disease. Potter WA, et al. J Clin Invest 50:910-9, Apr 71

Effect of caudal midbrain lesions on conditioning of heart- and respiratory-rate responses in the pigeon. Durkovic RG, et al. J Comp Physiol Psychol 69:329-38, Oct 69

Change in the frontal QRS axis with changes in the anatomic positions of the heart. Dougherty JD. J Electrocardiol 3:299-308, 1970

Bird respiration: flow patterns in the duck lung. Bretz WL, et al. J Exp Biol 54:103-18, Feb 71

Rhythmic activity in the insect nervous system. I. Ventilatory coupling of a mandtid spiracle. Miller PL. J Exp Biol 54:587-97, Jun 71

Rhythmic activity in the insect nervous system. II. Sensory and electrical stimulation of ventilation in a mantid. Miller PL. J Exp Biol 54:599-607, Jun 71

A gas-chromatographic micromethod for respiration studies on insects. Tadmor U, et al. J Exp Biol 54:437-41, Apr 71

Nasal airway physiology. Holloway RM Jr. J Fla Med Assoc 58:42-4, Mar 71

Headsaace analysis for ethyl alcohol in blood, breath, and urine specimens using specialized gas chromatograph. Luckey MJ. J Forensic Sci 16:120-7, Jan 71

Breathalyzer experiences under the operational conditions recommended by the California Association of Criminalists. Smith WC, et al. J Forensic Sci Soc 9:58-64, Jul 69

Local interrelationships between ventilation and pulmonary blood flow. Samanek M. J Fr Med Chir Thorac 24:701-5, Sep-Oct 70

The assessment of nasal air-flow: a review of past and present methods. Foxen EH, et al. J Laryngol Otol 85:811-25, Aug 71

Breath, CO2 and human handling of the host as factors affecting the feeding behavior of adult Aedes aegypti (L.) on Lepidoptera larvae. Garcia R, et al. J Med Entomol 7:601-4, Nov 70

Respiratory significance of the external morphology of adults and fifth instar nymphs of Notonecta undulata Say (Aquatic Heteroptera; Notonectidae). Parsons MC. J Morphol 133:125-38, Feb 71

Further studies of respiratory bellows dynamics in sarcoidosis. Young RC Jr, et al. J Natl Med Assoc 62:441-6, Nov 70

Effect of intravenous sodium bicarbonate, disodium edetate (Na2EDTA), and hyperventilation on visual and oculomotor signs in multiple sclerosis. Davis FA, et al. J Neurol Neurosurg Psychiatry 33:723-32, Dec 70

A study of a respiratory related variation of muscle tone during the decrement of decerebrate tonicity in ECT. Treise PC. J Neurol Neurosurg Psychiatry 34:32-6, Feb 71

Respiratory synchronizing function of nucleus parabrachialis medialis: pneumotaxic mechanisms. Bertrand F, et al. J Neurophysiol 34:189-207, Mar 71

A method using a digital computer for reducing respiratory artifact on liver scans made with a camera. Oppenheim BE. J Nucl Med 12:625-8, Sep 71

Segmental integration of converging inputs to thoracic respiratory motoneurones. Aminoff MJ, et al. J Physiol (Lond) 208:76P-77P, Jun 70

The effect on respiration of abrupt changes in carotid artery pH and PCO2 in the cat. Band DM, et al. J Physiol (Lond) 211:479-94, Dec 70

The effects of hypercapnia, hypoxia and ventilation on the baroreflex regulation of the pulse interval. Bristow JD, et al. J Physiol (Lond) 216:281-302, Jul 71

The effect of progressive hypoxia on the respiratory and cardiovascular systems of the pigeon and duck. Butler PJ. J Physiol (Lond) 211:527-38, Dec 70

Switching of the respiratory phases and evoked phrenic responses produced by rostral pontine electrical stimulation. Cohen MI. J Physiol (Lond) 217:133-58, Aug 71

Exercise tachypnoea during elastic loading of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

inspiration: relationship to other variables. Cotes JE, et al. J Physiol (Lond) 207:86P-87P, Apr 70
Interpretation of aerosol recovery curves following inhalation of monodispersed particles. Cotes JE, et al. J Physiol (Lond) 213:22P-23P, Mar 71
Respiratory movements and paradoxical sleep in the foetal lamb. Dawes GS, et al. J Physiol (Lond) 210:47P-48P, Sep 70
Respiratory and cardiovascular status of the rhesus monkey exposed to an environmental pressure of 160 mm Hg abs. (11,430 m). Ernsting J, et al. J Physiol (Lond) 216:24P-25P, Jul 71
Role of non-myelinated vagal afferent fibres from the lungs in the tachypnoeic response to pulmonary micro-embolism in the rabbit. Guz A, et al. J Physiol (Lond) 210:63P-64P, Sep 70
The role of non-myelinated vagal afferent fibres from the lungs in the genesis of tachypnoea in the rabbit. Guz A, et al. J Physiol (Lond) 213:345-71, Mar 71
Metabolic, respiratory and vasomotor responses to heating the scrotum of the ram. Hales JR, et al. J Physiol (Lond) 212:353-75, Jan 71
An arrangement for investigating the relationship between the cardiovascular and ventilatory responses of the cat to moderate hypoxia. Herd DJ, et al. J Physiol (Lond) 211:Suppl:13P+, Dec 70
The effect of carotid body denervation upon the respiratory response to hypoxia and hypercapnia in the duck. Jones DR, et al. J Physiol (Lond) 211:295-309, Dec 70
An integrating gas sampling system for open-circuit calorimetry. Kendall PP, et al. J Physiol (Lond) 216:4P-5P, Jul 71
Some physiological effects of intensity and frequency of exercise on young non-athletic females. Knibbs AV. J Physiol (Lond) 216:25P-26P, Jul 71
Afferent vagal fibres with an expiratory discharge in the rabbit. Luck JC. J Physiol (Lond) 211:63-71, Nov 70
Oronasal distribution of inspiratory flow during various activities. Patrick GA, et al. J Physiol (Lond) 206:22P-23P, Feb 70
Reflex onset of polypnoea in sheep. Phillips GD, et al. J Physiol (Lond) 208:339-52, Jun 70
An instantaneous frequency respiratory computer. Reynolds JA. J Physiol (Lond) 213:19P-20P, Mar 71
The role of hypothalamic temperature in the control of panting in the chicken exposed to heat. Richards SA. J Physiol (Lond) 211:341-58, Dec 70
Activity patterns in respiratory muscles and in respiratory neurones of the rostral medulla of the cat. Waldron I. J Physiol (Lond) 208:373-83, Jun 70
Effect of cleft palate prostheses on respiratory effort. Wood MT, et al. J Prosthet Dent 26:213-8, Aug 71
The respirometer as a diagnostic and clinical tool in the speech clinic. Beckett RL. J Speech Hear Disord 36:235-41, May 71
The effects of synthetic air on oxygen intake. McDavid RF. J Sports Med Phys Fitness 11:6-11, Mar 71
Aerobic work capacity of Japanese adolescents. Matsui H, et al. J Sports Med Phys Fitness 11:28-35, Mar 71
Pulmonary pressure and volume relationships in the dog. Normal whole and differential lung studies. Anderson RP. J Surg Res 11:202-6, Apr 71
Veno-arterial shunting in experimental pulmonary embolism. Deal CW, et al. J Surg Res 10:579-85, Dec 70
Physiologic shunting in the lung in critically ill or injured patients. Wilson RF, et al. J Surg Res 10:571-8, Dec 70
Cardiopulmonary homotransplantation. Grinnan GL, et al. J Thorac Cardiovasc Surg 60:609-15, Nov 70
Further studies on factors influencing collateral ventilation. Johnson RM, et al. J Thorac Cardiovasc Surg 62:321-9, Aug 71
Rhabdomyosarcoma of the left atrium. Physiologic responses to surgical therapy. Matloff JM, et al. J Thorac Cardiovasc Surg 61:451-5, Mar 71
Ischemic tolerance of the lung. The effect of ventilation and inflation. Veith FJ, et al. J Thorac Cardiovasc Surg 61:804-10, May 71
Head injury monitoring: a preliminary report. Moody RA, et al. J Trauma 11:458-62, Jun 71
The work of breathing in moderate hypovolemia and hypervolemia. Schmitz UT, et al. J Trauma 11:340-6, Apr 71
T-wave changes with inspiration. Adams CW. JAMA 216:1019-22, 10 May 71
Fluorodensimetry. A method for analyzing regional ventilation and diaphragm function. George RB, et al. JAMA 217:171-6, 12 Jul 71
Respiratory variation in the atrioventricular conduction time on dogs. Kiriyama T, et al. Jap Heart J 11:559-72, Nov 70
Breath test for altered bile-acid metabolism. Fromm H, et al. Lancet 2:621-5, 18 Sep 71
Peak-flow percentage in asthma. Harrison BD, et al. Lancet 2:492, 28 Aug 71
Ventilatory carbon dioxide response curves during electroanesthesia in the rat. Paleček F, et al. Life Sci [I] 10:271-7, 1 Mar 71
Physiological determinants in champion athletes and swimmers. Rebuck AS. Minn Med 54:409-11, Jun 71
Abnormal respiratory control in acquired dysautonomia. Eisele JH, et al. N Engl J Med 285:366-8, 12 Aug 71
New breath test for bile acid deconjugation. Hofmann AF, et al. N Engl J Med 285:686-7, 16 Sep 71
Revival of an old battle: intermittent vs. continuous positive-pressure breathing. Lenfant C. N Engl J Med 283:1463-4, 24 Dec 70
Maximal oxygen uptake. Mitchell JH, et al. N Engl J Med 284:1018-22, 6 May 71
Detection of bacterial deconjugation of bile salts by a convenient breath-analysis technic. Sherr HP, et al. N Engl J Med 285:656-61, 16 Sep 71
Inequality of inspired and expired gaseous nitrogen in man. Dudka LT, et al. Nature (Lond) 232:265-8, 23 Jul 71
Respiratory mechanisms and the metazoan fossil record. Raff RA, et al. Nature (Lond) 228:1003-5, 5 Dec 70
Increased recovery of anaesthetized hypothermic rats induced by intracarotid infusion. Rogers P, et al. Nature (Lond) 228:1314-5, 26 Dec 70
Problems connected with the measurement of the respiratory rate of whole rat embryos in vitro. Spielmann H, et al. Naunyn Schmiedebergs Arch Pharmakol 270:10-7, 1971
Some "minor" aspects of parkinsonism, especially pulmonary function. Paulson GD, et al. Neurology (Minneap) 20:14-7, Dec 70
Effect of delayed hyperventilation on experimental cerebral infarction. Soloway M, et al. Neurology (Minneap) 21:479-85, May 71
Respiratory performance and the Mid-O-Gas. Raymond JA. NZ Med J 73:80-2, Feb 71
Pulmonary function following pulmonary embolectomy for massive pulmonary embolism. Case report. Vasko JS, et al. Ohio State Med J 66:1205-9, Dec 70
The role of the central nervous system in perinatal respiration: studies of chemoregulatory mechanisms in the term lamb. Herrington RT, et al. Pediatrics 47:857-64, May 71
[Respiratory response to isolated changes of cerebrospinal fluid pH: studies of anesthetized and decerebrate cats before and during vagus nerve blockade. Berger W, et al. Pfluegers Arch 325:287-304, 1971
Shift of threshold temperature for shivering and heat polypnea as a mode of thermal adaptation. Brück K, et al. Pfluegers Arch 321:159-72, 1970
Influences on the respiratory rhythm originating from the lungs and the chest wall. Camporesi E, et al. Pfluegers Arch 324:311-8, 1971
Significance of diffusion loss of oxygen in determining respiration of isolated, perfused organs. Follert EK. Pfluegers Arch 323:80-5, 1971
On the origin of respiratory waves in circulation. I. The role of the chest pump. Manoach M, et al. Pfluegers Arch 325:40-9, 1971
On the origin of respiratory waves in circulation. II. The influence of inspiration and expiration. Manoach M, et al. Pfluegers Arch 325:50-60, 1971
Occurrence of a deep breath after a period of airway oclusion. Sant'Ambrogio G, et al. Pfluegers Arch 327:95-104, 1971
Convertible respiratory and fusimotor reactions to peripheral somatic stimuli in different functional states of the reticular formation in the cat. Schomburg ED, et al. Pfluegers Arch 327:261-73, 1971
Simple computer technique for analysing the time relationships between cardiac activity and respiration. Krekule I, et al. Physiol Bohemoslov 19:163-6, 1970
Airway obstruction and collateral ventilation. Macklem PT. Physiol Rev 51:368-436, Apr 71 (333 ref.)
Motor unit recruitment patern in a respiratory muscle of unanesthetized chickens. Tschorn RR, et al. Poult Sci 50:268-9, Jan 71
Variability of respiratory movements in chronic schizophrenics. Tan BK. Psychiatr Neurol Neurochir 73:301-8, Jul-Aug 70
Differences in tracking skill and psychophysiological activation dynamics in children high or low in persistence in schoolwork. Dureman I, et al. Psychophysiology 7:95-102, Jul 70
Physiological effects of combinations of painful and cognitive stimmuli. Sadler TG, et al. Psychophysiology 5:370-5, Jan 69
Respiration and sucking as components of the orienting reaction in newborns. Sameroff AJ. Psychophysiology 7:213-22, Sep 70
Cardiac and respiratory function during sudden prolonged immobility in wild rodents. Hofer MA. Psychosom Med 32:633-47, Nov-Dec 70
Effects of suggestion on respiration in asthmatic children. Weiss JH, et al. Psychosom Med 32:409-15, Jul-Aug 70
Pulmonary perfusion changes after experimental unilateral bronchial occlusion and their clinical implications. Isawa T, et al. Radiology 99:355-60, May 71
The diagnostic value of hepatic pliability as assessed from inspiration and expiration views on the gamma camera. Kranzler JK, et al. Radiology 97:323-6, Nov 70
Accentuation of celiac compression by the median arcuate ligament of the diaphragm during deep expiration. Reuter SR. Radiology 98:561-4, Mar 71
Circadian acrophase in peak expiratory flow rate and urinary electrolyte excretion of asthmatic children: phase shifting of rhythms by prednisone given in different circadian system phases. Reindl K, et al. Rass Neurol Veg 23:5-26, 1969
Aerobic capacity, heart rate and estimated energy cost during women's competitive basketball. McArdle WD, et al. Res Q Am Assoc Health Phys Educ 42:178-86, May 71
Estimation of maximal oxygen intake from submaximal work parameters. Metz KF, et al. Res Q Am Assoc Health Phys Educ 42:187-93, May 71
Topography of pleural surface pressure during simulation of gravity effect on abdomen. Agostoni E, et al. Resp Physiol 12:102-9, Apr 71
Comparative features of the transpulmonary pressure. Agostoni E, et al. Resp Physiol 11:76-83, 1970-71
Respiratory and cardiac responses of a burrowing animal, the echidna. Augee ML, et al. Resp Physiol 11:327-34, Mar 71
Control of breathing in experimental anemia. Bartlett D Jr, et al. Resp Physiol 10:384-95, Oct 70
Origin and regulation of spontaneous deep breaths. Bartlett D Jr. Resp Physiol 12:230-8, Jun 71
A digital recording system for respiratory variables. Bradley GW, et al. Resp Physiol 11:390-8, Mar 71
Morphometric estimation of pulmonary diffusion capacity. II. Effect of Po2 on the growing lung, adaption of the growing rat lung to hypoxia and hyperoxia. Burri PH, et al. Resp Physiol 11:247-64, Jan 71
Partition of factors contributing to the vertical gradient of transpulmonary pressure. D'Angelo E, et al. Resp Physiol 12:90-101, Apr 71
Estimates of the CO2 pressures in systemic arterial blood during rebreathing on exercise. Denison D, et al. Resp Physiol 11:186-96, Jan 71
Sensitivity to inflation of the respiratory system in the chicken. Eaton JA Jr, et al. Resp Physiol 11:167-77, Jan 71
The pouch gas of the Virgina opossum (Didelphis virginiana). Farber JP, et al. Resp Physiol 11:335-45, Mar 71
The ability of normal subjects to tolerate added inspiratory loads. Freedman S, et al. Resp Physiol 10:213-35, Sep 70
Morphometric estimation of pulmonary diffusion capacity. 3. The effect of increased oxygen consumption in Japanese Waltzing mice. Geelhaar A, et al. Resp Physiol 11:354-66, Mar 71
Thermally induced respiratory responses of the unanesthetized goat. Heisey SR, et al. Resp Physiol 11:145-51, Jan 71
The effect of temperature on ventilation in the turtle, Pseudemys scripta elegans. Jackson DC. Resp Physiol 12:131-40, Jun 71
A graphical analysis of oxygen transfer in fish. Jones DR, et al. Resp Physiol 10:285-98, Oct 70
Studies on the role of the lung deflation reflex. Koller EA, et al. Resp Physiol 10:172-83, Sep 70
A preliminary allometric analysis of respiratory variables in resting birds. Lasiewski RC, et al. Resp Physiol 11:152-66, Jan 71
Differences between alveolar and arterial PCO2 during rebreathing experiments in resting human subjects. Laszlo G, et al. Resp Physiol 12:36-52, Apr 71
Respiratory instrumentation computer. Leeming MN, et al. Resp Physiol 11:384-9, Mar 71
Reflex increase in ventilation induced by vibrations applied to the triceps surae muscles in the cat. Leitner LM, et al. Resp Physiol 12:199-204, Jun 71
Effects on respiration and circulation of electrically stimulating the ventral surface of the medulla oblongata. Loeschcke HH, et al. Resp Physiol 10:184-97, Sep 70
Effects of breathing on blood volume, energy dissipation and resistance in the pulmonary circulation of the dog. Morkin E, et al. Resp Physiol 10:263-72, Sep 70
Exhaled air temperature and water conservation in lizards. Murrish DE, et al. Resp Physiol 10:151-8, Sep 70
Respiratory responses to static muscular work. Myhre K, et al. Resp Physiol 12:77-89, Apr 71
The nature of the nonventilatory period in crocodilian respiration. Naifeh KH, et al. Resp Physiol 11:178-85, Jan 71
The nature of the ventilatory period in crocodilian respiration. Naifeh KH, et al. Resp Physiol 10:338-48, Oct 70
Study of the control of crocodilian respiration by anesthetic dissection. Naifeh KH, et al. Resp Physiol 12:251-60, Jun 71
The ventilatory response to resistance unloading during muscular exercise. Nattie EE, et al. Resp Physiol 10:249-62, Sep 70
Influence of the cyclical pattern of ventilatory flow on pulmonary gas exchange. Nye RE Jr. Resp Physiol 10:321-37, Oct 70
Estimation of the pulmonary diffusing capacity for O 2 by a rebreathing procedure. Piper J, et al. Resp Physiol 12:157-62, Jun 71
Convection and diffusion gas exchange in air or water. Rahn H, et al. Resp Physiol 12:1-6, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Air breathing of the garfish (Lepisosteus osseus). Rahn H, et al. Resp Physiol 11:285-307, Mar 71
The effects of ventilation on the elastic recoil of excised dogs' lungs. Raimondi AC, et al. Resp Physiol 12:205-17, Jun 71
Inhibition of inspiratory activity by intercostal muscle afferents. Remmers JE. Resp Physiol 10:358-83, Oct 70
Brain stem control of polypnoea in the chicken and pigeon. Richards SA. Resp Physiol 11:315-26, Mar 71
Apneustic breathing after vagotomy in cats with chronic pneumotaxic center lesions. St. John WM, et al. Resp Physiol 12:239-50, Jun 71
Ventilatory response to hypercapnia in phrenicotomized rabbits and cats. Sant'Ambrogio G, et al. Resp Physiol 10:236-48, Sep 70
Direct measurement of the aathway of respired gas in duck lungs. Scheid P, et al. Resp Physiol 11:308-14, Mar 71
Ventilatory response to alterations of H+ ion concentration in small areas of the ventral medullary surface. Schlaefke ME, et al. Resp Physiol 10:198-212, Sep 70
A critical evaluation of a nitrogen rebreathing method for the estimation of Pv02. Spence AA, et al. Resp Physiol 10:313-20, Oct 70
Oxygen transport mechanisms in residents at high altitude. Torrance JD, et al. Resp Physiol 11:1-15, 1970-71
Respiratory gas exchange by the avian embryo. Wangensteen OD, et al. Resp Physiol 11:31-45, 1970-71
Morphometric estimation of pulmonary diffusion capacity. I. Model and method. Weibel ER. Resp Physiol 11:54-75, 1970-71
Pulmonary gas exchange and cardiac output in open-chest dogs with varied inflation of the lungs. Aoyagi K, et al. Respiration 27:1-14, 1970
The effect of oxygen inhalation on the work of breathing in patients with chronic obstructive bronchitis. Astin TW. Respiration 27:51-62, 1970
Respiratory function in asthmatic children. Cardiovascular consequences. Geubelle F. Respiration 27:Suppl:63-6, 1970
Manipulation of the indirect Fick principle by a digital computer program for the calculation of exercise physiology results. Godfrey S. Respiration 27:513-32, 1970
Cardiopulmonary function in lung resection performed for bronchogenic cancer in patients above 65 years of age. Ježek V, et al. Respiration 27:42-50, 1970
Influence of position and disease on the distribution of the pulmonary circulation and ventilation. Lopez-Majano V. Respiration 27:431-46, 1970
Expiratory gas concentration curves for examination of uneven distribution of ventilation and perfusion in the lung. First communication: theory. Meerten RJ van. Respiration 27:552-64, 1970
The ventilatory function of sternomastoid and scalene muscles in patients with pulmonary emphysema. Skarvan K, et al. Respiration 27:480-92, 1970
Expiratory gas concentration curves for examination of uneven distribution of ventilation and perfusion in the lung. Second communication: experiments. Van Meerten RJ. Respiration 28:167-85, 1971
Methods for evaluation of pulmonary function in infants and preschool children. Wenner J. Respiration 27:Suppl:54-62, 1970
Variation in forced expiratory volume curves of asthmatic patients with increased water content. Melville GN, et al. Rev Allergy 25:506-9, May 71
Gas exchange and pressures in pulmonary edema. O'Connor NE, et al. Rev Surg 28:145, Mar-Apr 71
On-line monitoring of respiration. Technical advances facilitate automatic detection and measurement of abnormal ventilation. Saklad M. RI Med J 53:487-90 passim, Sep 70
Aerobic power and related factors in a population study of men aged 54. Grimby G, et al. Scand J Clin Lab Invest 26:287-94, Nov 70
133Xenon radiospirometry with moving detectors. Normal values and repeatability. Korhonen O. Scand J Clin Lab Invest 27:113-21, Apr 71
The distribution of pulmonary blood flow in man during oxygen breathing and breath-holding. Lilja B. Scand J Clin Lab Invest 26:105-12, Sep 70
Peak expiratory flow in healthy persons aged 45-65 years. Källqvist I, et al. Scand J Resp Dis 51:177-87, 1970
Lung diffusing capacity. Normal values in male smokers and non-smokers using the breath-holding technique. Teculescu DB, et al. Scand J Resp Dis 51:137-49, 1970
Effect of exercise and O2 breathing on gas exchange in chronic bronchitis and in diffuse, restrictive pulmonary disease. Vale JR. Scand J Resp Dis 51:316-32, 1970
Pulmonary gas exchange and venous-arterial shunt in normal subjects breathing oxygen, at rest and during exercise. Vale JR. Scand J Resp Dis 51:305-15, 1970
Respiratory function in sarcoidosis and other interstitial lung diseases with similar radiological appearance. Vale JR. Scand J Resp Dis 52:1-12, 1971
Diafragmography. Hellström PE. Scand J Resp Dis [Suppl] 72:Suppl 72:128+, 1970
Breathing: a sensori-motor act. Sears TA. Sci Basis Med Annu Rev 128-47, 1971 (51 ref.)
Breathing and breathlessness in lung diseases. Widdicombe JG. Sci Basis Med Annu Rev 148-60, 1971 (53 ref.)
Alcohol breath tests: gross errors in current methods of measuring alveolar gas concentrations. Spector NH. Science 172:57-9, 2 Apr 71
Hormonal, fuel, and respiratory relationships after acute blood loss in man. Skillman JJ, et al. Surg Forum 21:23-5, 1970
Delayed hyperventilation in the treatment of experimental cerebral vascular occlusion. Soloway M, et al. Surg Forum 21:423-5, 1970
Relationship of ventilation and inspired oxygen concentration to mucociliary clearance. Wolfe WG, et al. Surg Forum 21:217-9, 1970
Effects of saline and colloid solutions on pulmonary function in hemorrhagic shock. Moss GS, et al. Surg Gynecol Obstet 133:53-8, Jul 71
Chronic bronchocutaneous fistula in the dog: a method for construction. Reich T, et al. Surgery 69:890-4, Jun 71
Further experience with electrical stimulation of the phrenic nerve: electrically induced fatigue. Sato G, et al. Surgery 68:817-26, Nov 70
Transfer factor for CO during exercise in children. Anderson SD, et al. Thorax 26:51-4, Jan 71
Comparison of bronchoconstriction induced by cycling and running. Anderson SD, et al. Thorax 26:396-401, Jul 71
Breath sounds. Forgacs P, et al. Thorax 26:288-95, May 71
Pulmonary function during pregnancy in normal women and in patients with cardiopulmonary disease. Gazioglu K, et al. Thorax 25:445-50, Jul 70
Lung function in sarcoidosis. An investigation of the disease as seen at a clinic in England and a comparison of the value of various lung function tests. Marshall R, et al. Thorax 26:402-5, Jul 71
Regional difference of respiratory change in pulmonary arterial wedge pressure. Katori R, et al. Tohoku J Exp Med 103:221-30, Mar 71
Late pulmonary function after reimplantation and allotransplantation of the lung in dogs. Blumenstock DA, et al. Transplantation 10:241-7, Sep 70
Carbon determination in biological materials related to respiration trials. Neergaard L, et al. Z Tierphysiol 25:302-8, Oct 69
[Basic quantitative relationships of gas exchange] Zajíc F. Cesk Fysiol 19:71-7, Sep 70 (Cze)
[Synchronization of EEG activity and respiration] Faber J, et al. Cesk Neurol 33:296-301, Nov 70 (Cze)
[Effects of cardiac phase and respiration on the heart volume] Hlava A, et al. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:359+, 1970 (Cze)
[Evaluation of lung function during respirator therapy] Henriksen H, et al. Nord Med 85:760-1, 17 Jun 71 (Dan)
[Peak expiratory flow-rate (Wright) in normal children. A simple study of respiration] Hoybye G. Ugeskr Laeger 132:2007-9, 22 Oct 70 (Dan)
[Lung function in Danish children with asthma during a sojourn in Norway, illustrated by PFR investigations] Hoybye G, et al. Ugeskr Laeger 132:2010-5, 22 Oct 70 (Dan)
[Respiration and circulation of the newborn] Hirvonen L, et al. Duodecim 87:844-52, 1971 (Fin)
[Respiratory distrubances in shock] Lahdensuu M. Duodecim 87:292-6, 1971 (Fin)
[Oxygenation, acid-base equilibrium and metabolism during anesthesia for mitral valvotomy] Rolly G. Acta Anaesthesiol Belg 20:38-48, 1969 (Fre)
[Immediate effect on ventilation of a truck brace in orthopedic treatment of scoliosis in children] Lacheretz M, et al. Acta Orthop Belg 37:156-63, Mar-Apr 71 (Fre)
[Practical value of electromyographic data in pneumonology] Delhez L, et al. Acta Tuberc Pneumol Belg 61:39-61, Jan-Apr 70 (Fre)
[Mechanical assistance and respiratory excitomotor electrotherapy] Delhez L, et al. Acta Tuberc Pneumol Belg 61:71-94, Jan-Apr 70 (Fre)
[Comparison of pulmonary conductance values obtained by measurement of transpulmonary and mouth pressures associated with airflow interruption] Deroanne R, et al. Acta Tuberc Pneumol Belg 61:507-14, 1970 (Fre)
[Pulmonary function in high pressures] Flahaut JP, et al. Acta Tuberc Pneumol Belg 60:730-6, Sep-Oct 69 (Fre)
[Pulmonary compliance and conductance during spontaneous calm respiration in severe anthracosilicosis] Petit JM, et al. Acta Tuberc Pneumol Belg 61:515-20, 1970 (Fre)
[Humidification in artificial ventilation] Radiguet de la Bastaie P. Anesth Analg (Paris) 27:759-74, Sep-Oct 70 (Fre)
[Unbalance between ventilation and circulation during rejection of monolateral pulmonary homograft] Vuillard P, et al. Ann Chir Thorac Cardiovasc 9:459-65, Oct 70 (Fre)
[Comparison between tube breathing and inhalation of a hyoxic and hypercapnic mixture] Colinet-Lagneaux D, et al. Arch Int Physiol Biochim 79:141-8, Jan 71 (Fre)
[Alveolar-arterial difference as a function of the rate of filtering carbonic anhydride] Colinet-Lagneaux D, et al. Arch Int Physiol Biochim 79:183-4, Jan 71 (Fre)
[Dead space and alveolar ventilation] Troquet J, et al. Arch Int Physiol Biochim 79:165-8, Jan 71 (Fre)
[Respiratory functional capacity under the influence of dust, at rest and during exertion] Barhad B, et al. Arch Mal Prof 30:493-503, Sep 69 (Fre)
[Determination by gas chromatography of carbon monoxide emitted by mammals] Godin J, et al. Arch Mal Prof 32:293-5, Mar 71 (Fre)
[Methods of elimination of inhaled fluorene 11 by exhaled air: study with man and animals] Paulet G, et al. Arch Mal Prof 30:251-6, Apr-May 69 (Fre)
[Alveolo-capillary diffusion and blood oxygenation] Englert M. Bull Acad R Med Belg 8:433-52, 1968 (Fre)
[In utero respiratory movements in the lamb fetus] Meriet C, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:428-30, Sep-Oct 70 (Fre)
[Respiratory factors in the functional deficiency of the neurologically handicapped] Jaeger-Denavit O. Bull Inst Nati Sante Rech Med 24:487-516, May-Jun 69 (Fre)
[Specific body disturbances caused by dust inhalation] Yotakis L. Bull Inst Nati Sante Rech Med 25:355-89, May-Jun 70 (Fre)
[Isotope variations 13 C- 12 C of CO 2 in man and higher animals] Lacroix M, et al. C R Acad Sci [D] (Paris) 273:240-1, 12 Jul 71 (Fre)
[Demonstration of behavioral respiratory regulation in the rat] Le Magnen J, et al. C R Acad Sci [D] (Paris) 272:440-3, 18 Jan 71 (Fre)
[Ventilatory changes during the 10 first respiratory cycles following the beginning or the end of muscular exercise] Grimaud C, et al. C R Soc Biol (Paris) 164:2061-6, 1970 (Fre)
[Vago-aortic stimulations, masseteric reflex and respiratory activity] Puizillout JJ, et al. C R Soc Biol (Paris) 164:1068-74, 1970 (Fre)
[Bulbar effects of soporific vago-aortic stimulation] Puizillout JJ, et al. C R Soc Biol (Paris) 164:1783-91, 1970 (Fre)
[Pulmonary inflation reflex and thermal breathing in the rabbit] Vanuxem P, et al. C R Soc Biol (Paris) 164:1052-8, 1970 (Fre)
[Study in the rabbit of the electrical activity of respiratory neurons of the brain stem. I. The effect of vagotomy and of the injection of histamine] Bystrzycka E, et al. Electroencephalogr Clin Neurophysiol 29:363-72, Oct 70 (Fre)
[Contribution of electromyography of the diaphragm to the study of dynamic respiratory reflexes in ankylosing spondylarthritis] Delhez L, et al. J Belge Rhumatol Med Phys 24:209-16, Sep-Oct 69 (Fre)
[Role of the passive thoraco-pulmonary system and of muscular activity during spontaneous expiration in humans] Bargeton D, et al. J Physiol (Paris) 62:Suppl 3:340-1, 1970 (Fre)
[Effects of localized stimulation of the tonsil on the activity of the phrenic nerve] Bobo EG, et al. J Physiol (Paris) 62:Suppl 3:378, 1970 (Fre)
[Study of ventilatory chemoreflexes in domestic chickens] Bouverot P, et al. J Physiol (Paris) 62:Suppl 3:352-3, 1970 (Fre)
[Control of ventilation in awake dogs before and after pulmonary denervation] Bouverot P, et al. J Physiol (Paris) 62:Suppl 3:353-4, 1970 (Fre)
[Flow of ventilated gas in the air sac-lungs system in chickens] Bouverot P, et al. J Physiol (Paris) 63:18A-19A, Mar-Apr 71 (Fre)
[Comparison of ventilatory responses and alveolar CO2 partial pressures of trained submarine divers and non-diver controls during muscular work in hyperbaric atmosphere] Broussolle B, et al. J Physiol (Paris) 62:Suppl 2:254-5, 1970 (Fre)
[Expiratory plateau of isovolumetric pressure-flow curves] Clément J, et al. J Physiol (Paris) 62:Suppl 2:262, 1970 (Fre)
[Ventilatory responses of the newborn to the oxygen test] Crance JP, et al. J Physiol (Paris) 63:32A, Mar-Apr 71 (Fre)
[Comparative study of respiratory dead space simultaneously measured with CO and CO 2] Danon G, et al. J Physiol (Paris) 63:35A, Mar-Apr 71 (Fre)
[Characteristics of branchial respiration in a teleost fish, Carassius auratus, as a function of the ambient temperature] Dejours P, et al. J Physiol (Paris) 1:Suppl 1:113-4, 1969 (Fre)
[Comparison of requirements for water, air and blood convection as well as coefficients of oxygen extraction in animals] Dejours P, et al. J Physiol (Paris) 62:Suppl 2:266, 1970 (Fre)
[Electric activity of the diaphragm and ventilatory mechanism during muscular exercise] Deroanne R. J Physiol (Paris) 63:39A, Mar-Apr 71 (Fre)
[Demonstration of the intervention of neurogenic stimuli in the regulation of muscular exercise] Didier JP, et al. J Physiol (Paris) 63:40A, Mar-Apr 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Influence duration of exercise on the mechanisms of ventilatory regulation in the waking dog] Flandrois R, et al. J Physiol (Paris) 62:Suppl 2:276, 1970 (Fre)
[Continuous recording, cycle by cycle, of alveolar parameters] Lattre J de, et al. J Physiol (Paris) 1:Suppl 1:115-6, 1969 (Fre)
[Demonstration of respiratory movements of the sheep fetus in utero] Merlet C, et al. J Physiol (Paris) 62:Suppl 3:415-7, 1970 (Fre)
[A physical model of expiration] Pardaens J, et al. J Physiol (Paris) 62:Suppl 2:300, 1970 (Fre)
[Influence of a food additive, butyl-hydroxy-toluene (B.H.T.) on respiratory exchange in male rats] Pascal G. J Physiol (Paris) 63:81A, Mar-Apr 71 (Fre)
[Course of the chemoreflex ventilatory response to CO 2 during altitude acclimatization] Pasquis P, et al. J Physiol (Paris) 63:83A, Mar-Apr 71 (Fre)
[Distribution in the organism of foreign inert gases after their inhalation] Paulet G, et al. J Physiol (Paris) 62:Suppl 3:425, 1970 (Fre)
[Cortical control of respiration: study at the level of the bulbar neurons] Planche D, et al. J Physiol (Paris) 62:Suppl 3:430-1, 1970 (Fre)
[Cortical control of respiration: study at the level of the phrenic nerve] Planche D. J Physiol (Paris) 62:Suppl 3:429+, 1970 (Fre)
[Evolution of the respiratory rhythm at the time of 1,500 meter runs] Rougier G, et al. J Physiol (Paris) 1:Suppl 1:172, 1969 (Fre)
[Effects of the augmentation of air output and of inspired gas density on the regional distribution of ventilation] Ruff F, et al. J Physiol (Paris) 62:Suppl 3:443, 1970 (Fre)
[Influence of pulmonary artery occlusion on ventilation distribution in man] Ruff F, et al. J Physiol (Paris) 63:94A-95A, Mar-Apr 71 (Fre)
[The tonus-ventilation relationship of the diaphragm in humans in the fluoromyographic-cinedensigraphic image] Skládal J. J Physiol (Paris) 62:Suppl 3:450, 1970 (Fre)
[Heat loss by respiratory convection: application to the hyperbaric environment] Varene P, et al. J Physiol (Paris) 62:Suppl 2:326-7, 1970 (Fre)
[Ventilatory function in stabilized pulmonary tuberculosis] Golli V, et al. Lille Med 13:365-7, Mar 68 (Fre)
[Continuous recording of respiratory exchange dynamics between 2 extracellular compartments: experimental study] Harichaux P, et al. Lille Med 14:1212-5, Dec 69 (Fre)
[Ventilatory effects of funnel chest in children] Lachereiz M, et al. Lille Med 16:164-71, Jan 71 (Fre)
[Modifications of the speed of respiratory air flow in traumatic coma] Fasano VA, et al. Neurochirurgie 15:263-74, Jul-Aug 69 (Fre)
[Influence of hyperoxia on ventilatory parameters in patients with lung diseases during maximal effort] Balanescu F, et al. Poumon Coeur 25:589-607, 1969 (Fre)
[Pleural sequelae: comparative data of functional examination, angiography and scintigraphy] Boutin C, et al. Poumon Coeur 25:31-46, 1969 (Fre)
[Principles and clinical applications of a diagram representative of spirographic criteria] Drutel P, et al. Poumon Coeur 27:313-30, 1971 (Fre)
[Respiratory function in histiocytosis X with pulmonary localization] Georges R, et al. Poumon Coeur 25:755-86, 1969 (Fre)
[Pulmonary elimination of toxic substances. Measurement and toxological applications] Pebay-Peyroula F, et al. Poumon Coeur 26:853-66, 1970 (Fre)
[Long term data of functional respiratory exploration in subjects cured of pulmonary sarcoidosis] Turiaf J, et al. Poumon Coeur 25:1-15, 1969 (Fre)
[Ventilatory mechanics and barometric pressure. Rest and muscular training at altitude in in diving] Varene P, et al. Poumon Coeur 27:331-59, 1971 (71 ref.) (Fre)
[Circadian rhythm of oxygen consumption and respiratory quotient in young adult women with normal diet and after restricted caloric intake] Apfelbaum M, et al. Rev Eur Etud Clin Biol 16:135-43, Feb 71 (Fre)
[Use of mass spectrometry to respiratory physiology and physiopathology] Colinet-Lagneaux D. Rev Med Liege 24:347-51, 15 Apr 69 (Fre)
[Elements of respiratory mechanics. II. Distribution of ventilation] Even P. Rev Tuberc Pneumol (Paris) 34:1041-85, Dec 70 (Fre)
[Comparative study of gas exchange in chronic bronchitis and "primary" emphysema] Weitzenblum E, et al. Rev Tuberc Pneumol (Paris) 33:987-1000, Nov 69 (Fre)
[Incidence of alpha-burst activity in connection with the respiration phase with reference to the activity condition] Roth N, et al. Acta Biol Med Ger 25:185-7, 1970 (Ger)
[Effects of the electrophrenic respiration on pulmonary blood circulation] Holle J, et al. Anaesthesist 20:102-6, Mar 71 (Ger)
[New viewpoints on the so-called arterio-alveolar CO2-pressure difference] Standfuss K, et al. Anaesthesist 20:50-1, Feb 71 (Ger)
[The 1st breath] Stolz C. Anaesthesist 19:449-57, Dec 70 (38 ref.) (Ger)
[Ventilation in pregnancy and post partum] Heidenreich J, et al. Arch Gynaekol 210:308-34, 2 Jun 71 (Ger)
[Energy transformation and gas exchange in parturients] Lehmann V, et al. Arch Gynaekol 211:261-2, 4 Jun 71 (Ger)
[Physical flow-studies on conical and web-like tracheal stenoses-models] Birke S, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:318-26, 1971 (Ger)
[Influence of one-side nasal respiratory occlusion on the olfactory threshold values] Rous J, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:374-7, 1970 (Ger)
[Changes in the pulse and respiratory frequency and the pulse-respiration quotient with reference to the periodicity of daily changes during treatment] Müller R. Arch Phys Ther (Leipz) 22:199-205, Jul-Aug 70 (Ger)
[Contribution to respiration control in the intensive care unit using electromyography] Bock WJ. Biomed Tech (Stuttg) 16:3-5, Feb 71 (Ger)
[Influence of acoustic stimuli on the EEG activity, heart rate and respiratory mechanically measured data during sleep] Otto E. Dtsch Gesundheitsw 25:1661-8, 27 Aug 70 (Ger)
[Physiology of respiration] Hirche HJ. Elektromed Biomed Tech 15:189-95, Sep 70 (Ger)
[Radiocinematographic studies in chronic cor pulmonale] Jenca G, et al. Fortschr Geb Roentgenstr Nuklearmed 113:418-23, Oct 70 (Ger)
[The dependence of perfusion value on alveolar expansion as determined by different methods of artificial respiration (model experiments on calf lungs)] Kress D, et al. Geburtshilfe Frauenheilkd 31:126-38, Feb 71 (Ger)
[Intensive therapy] Niesel HC. Hippokrates 42:40-53, Mar 71 (Ger)
[Construction and functioning of an air-conditioning plant to study the effect of climatic influences on respiration] Weller W, et al. Int Arch Arbeitsmed 28:141-50, 1971 (Ger)
[Diurnal variations of the phase coupling between heart beat and respiration at rest and the influence of measured physical effort] Engel P, et al. Int Z Angew Physiol 27:339-55, 23 Oct 69 (Ger)
[Frequency coordination of heart beat and respiration during night sleep, as a function of daytime effort] Pöllmann L, et al. Int Z Angew Physiol 28:273-91, 1970 (Ger)
[The scattering range of arterial blood gas values of working men and women before and during measured ergometric loading] Woitowitz HJ, et al. Med Klin 65:349-54, 20 Feb 70 (Ger)
[Physiopathological aspects of chronic Cor pulmonale] Zeilhofer R. Med Klin 65:386-93, 27 Feb 70 (Ger)
[Integrated gauge diagram of the respiratory sound. A useful extension of respiratory sound audiometry] Kumpf W, et al. Monatsschr Ohrenheilkd Laryngorhinol 104:535-9, 1970 (Ger)
[Computer simulation of circulation and respiration] Landes G. Munch Med Wochenschr 113:1161-9, 3 Sep 71 (Ger)
[Experiences with respirophonographometry] Staudacher HL, et al. Munch Med Wochenschr 113:482-8, 26 Mar 71 (Ger)
[Carbon monoxide uptake in the human organism while breathing CO-air mixtures under increased pressure] Gerhardt T, et al. Naunyn Schmiedebergs Arch Pharmakol 266:332-3, 1970 (Ger)
[Changes in plasma renin activity during low- and high-pressure breathing in dogs with intact and denervated kidneys] Miksche LW, et al. Naunyn Schmiedebergs Arch Pharmakol 266:405-6, 1970 (Ger)
[A method for humidifying the respiratory air in patients with tracheotomy] Schellmann WD. Nervenarzt 41:610, Dec 70 (Ger)
[Respiratory physiology in mammals: respiration in the dolphin] Müller RW. Prax Pneumol 24:728-31, Nov 70 (Ger)
[Respiratory function and bronchoscopy] Schindl R. Prax Pneumol 25:156-60, Mar 71 (Ger)
[Physiological and pathophysiological aspects in thoracotomy and artificial ventilation] Unseld H. Prax Pneumol 24:690-9, Nov 70 (Ger)
[A rapid-reacting polarographic measuring device for the continuous recording of oxygen pressure in respiratory air] Harth O, et al. Respiration 27:86-99, 1970 (Ger)
[Lung function in pulmonary vascular obstructive disease] Moccetti T, et al. Respiration 27:24-41, 1970 (Ger)
[Kyphoscoliosis in adults] Scherrer M, et al. Respiration 27:Suppl:76-9, 1970 (Ger)
[Methodical improvements of the procedure for analysis of the distribution of ventilation, perfusion and O2-diffusion capacity of the lung] Schmidt W, et al. Respiration 27:15-23, 1970 (Ger)
[Gas metabolism in extracorporeal circulation] Brückner JB. Thoraxchirurgie 17:371-9, Oct 69 (Ger)
[Studies on the functional and morphological changes after unilateral and bilateral lung reimplantation with special reference to the neural regulation of respiration without the Hering-Breuer reflex] Nasseri M, et al. Thoraxchirurgie 17:512-7, Dec 69 (Ger)
[Biometric data during a 60-m-race as well as during an ergometric study] Klimt F, et al. Z Aerztl Fortbild (Jena) 65:270-8, 1 Mar 71 (Ger)
[A form of music and its biological function. Mode of action of the lullaby] Kneutgen J. Z Exp Angew Psychol 17:245-65, 1970 (Ger)
[Importance of chemoreflexes of carotid and aortic regions for the regulation of respiration and blood pressure in hypotension] Ott N, et al. Z Kreislaufforsch 60:648-60, Jul 71 (Ger)
[Construction and mechanism of a respiration machine for rats] Fliegel H, et al. Z Tierphysiol 23:278-84, Apr 68 (Ger)
[In vivo determinations of various metabolic cycles in laying hens with different productivity] Niesar KH, et al. Z Tierphysiol 23:17-20, Sep 67 (Ger)
[Pulmonary right-left shunt following oily foot lymphography] Jünemann A, et al. Zentralbl Chir 96:366-9, 13 Mar 71 (Ger)
[The central regulation of respiration] Korczyn A. Harefuah 77:518-20, 1 Dec 69 (39 ref.) (Heb)
[Changes of respiratory function in the postoperative period in relation to the various surgical incisions] Lorenzetti L, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:45-63, 1969 (Ita)
[Morphological and cytofunctional aspects of the muciparous glands of the bronchial wall of the fetus before and after the beginning of respiration] Marcatili S, et al. Arch Monaldi 25:163-71, May-Jun 70 (Ita)
[Recent observations of the regional distribution of pulmonary ventilation] Zardini P, et al. Arch Sci Med (Torino) 126:945-8, Nov 69 (Ita)
[Changes in the dental caries susceptibility index in the course of orthodontic therapy] Fiorentini S. Arcisp S Anna Ferrara 22:985-8, 1969 (Ita)
[The relation between pulmonary volume and longitudinal gradient of transpulmonary pressure in man] Brandi G. Boll Soc Ital Biol Sper 46:473-6, 15 May 70 (Ita)
[Influence of ventilation on the measurement of "transfer" of CO in stable state] Sanna-Randaccio F, et al. Boll Soc Ital Biol Sper 45:762-5, 15 Jun 69 (Ita)
[On the use of a vapor condenser in tracheotomised patients] Garozzo A, et al. Clin Otorinolaringoiatr 20:470-81, Nov-Dec 68 (Ita)
[Working capacity in a hyperthermic environment. Influence of various organic conditions] Fradà G, et al. Folia Med (Napoli) 52:609-27, Oct 69 (Ita)
[Work and environmental temperature. Study of various respiratory parameters] Rizzo A. Folia Med (Napoli) 52:628-37, Oct 69 (Ita)
[Cardiorespiratory exercise tests in silicotic patients] Sessa T, et al. Folia Med (Napoli) 52:1-22, 1 Jan 69 (Ita)
[Research on the behavior of various spirometric parameters studied on a population of over 60 healthy subjects] Sdraffa L, et al. G Gerontol 18:145-51, Mar 70 (Ita)
[Pictures of altered thoraco-pulmonary mechanics in static conditions, in chronic tuberculosis and in subsequent pulmonary pathological states] Casadio V, et al. G Ital Mal Torace 23:65-80 passim, Mar-Apr 69 (Ita)
[Differentiated intrabronchial respiration in the surgery of supra-aortic vessels] Arata GD, et al. Minerva Anestesiol 36:756-61, Dec 70 (Ita)
[Theoretical and experimental pressure behavior and volume distribution in a model of the lung during artificial ventilation] Cancelli C, et al. Minerva Anestesiol 37:2-47, Jan 71 (Ita)
[Psychological dynamics of the respiratory role in preparation for painless labor] Piscicelli U. Minerva Med 61:4712-5, 20 Oct 70 (Ita)
[On the changes of respiratory activity in Parkinson's disease] Urciuoli R, et al. Minerva Neurochir 13:57-8, 1969 (Ita)
[On changes of a respiratory type in phrenasthenic subjects] Lapi L, et al. Minerva Pediatr 22:2222-4, 10 Nov 70 (Ita)
[Body constitution, corporeal surface, thoracic circumference and spirometry in compared samples of girls before and after menarche] Prosperi P, et al. Minerva Pediatr 22:2264-5, 17 Nov 70 (Ita)
[On the value of alcoholometry in expired air as a mass screening technic] D'Arca SU, et al. Nuovi Ann Ig Microbiol 19:468-93, Nov-Dec 68 (Ita)
[Radioisotopes in the dynamic functional study of pulmonary ventilation, perfusion and diffusion] Semprebene L, et al. Policlinico [Med] 76:165-201 contd, Jul-Aug 69 (Ita)
[Pneumoscintigraphy in the study of the functions of pulmonary ventilation and perfusion] Pigorini F, et al. Policlinico [Prat] 77:775-89 contd, 15 Jun 70 (Ita)
[Pneumoscintigraphy in the study of the functions of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ventilation and pulmonary perfusion] Pigorini F, et al. Policlinico [Prat] 77:839-52 concl, 29 Jun 70 (Ita)
[Intrapulmonary distribution of inspired gases during positive and transverse accelerations] Rossanigo F, et al. Riv Med Aeronaut Spaz 33:57-69, Jan-Mar 70 (Ita)
[Relationship between surface properties of lung washings and ventilatory functions of patients with pulmonary tuberculosis before and after the operation] Nozaki M, et al. Iryo 24:915-8, Nov 70 (Jap)
[Respiration rhythm] Hatakeyama I.
J Physiol Soc Jap 33:89-101, Feb 71 (Jap)
[A-aDo2, a-vO2, Qs-Qt under anesthesia with spontaneous ventilation--with special reference to the effects of oxygen consumption] Kaito K, et al.
Jap J Anesthesiol 20:27-35, Jan 71 (Jap)
[Intrapulmonary venous admixture after heart surgery] Kitamura S, et al.
Jap J Thorac Surg 24:164-71, Mar 71 (Jap)
A simple principle of ventilation in bronchoscopy under anesthesia] Boye NP, et al.
Nord Med 85:730, 10 Jun 71 (Nor)
[The mechanisms of pulmonary ventilation. An introduction] Hauge A.
Tidsskr Nor Laegeforen 91:1032-7, 20 May 71 (Nor)
[Gas exchange in the lungs and arterial blood gas state in pulmonary insufficiency] Refsum HE.
Tidsskr Nor Laegeforen 91:1037-43, 20 May 71 (Nor)
[The regulation of respiration] Vale JR.
Tidsskr Nor Laegeforen 91:1027-8, 20 May 71 (Nor)
[Present-day views on central regulation of respiration] Karczewski W.
Acta Physiol Pol Suppl:61-80, 1970 (Pol)
[Lower respiratory tract diseases and orthodontic problems] Lopatyńska-Kawko J.
Czas Stomatol 24:793-8, Jul 71 (Pol)
[Rhinospizograph] Klajman S, et al.
Otolaryngol Pol 24:523-8, 1970 (Pol)
[Use of controlled respiration in the treatment of acute respiratory tract infections] Zachert H, et al.
Otolaryngol Pol 25:96-100, 1971 (Pol)
[Theoretical principles and technic of measurement of intraesophageal pressure in studies of respiratory mechanics] May KL.
Pol Arch Med Wewn 46:87-93, 1971 (31 ref.) (Pol)
[Observations on aterial blood pressure and respiration in cats during endoscopy] Chrapka J, et al.
Pol Tyg Lek 26:45-8, 11 Jan 71 (Pol)
[Pulmonary function tests in diffuse interstitial pneumopathies. VI] Lemle A.
Rev Bras Med 27:542-52, Nov 70 (Por)
[Pulmonary function tests in diffuse interstitial pneumonia. VI] Lemle A.
Rev Bras Med 27:516-21 contd, Oct 70 (Por)
[Pulmonary function tests in diffuse interstitial pulmonary diseases. 3] Lemle A.
Rev Bras Med 27:144-9, Mar 70 (Por)
[Pulmonary function tests in diffuse interstitial pneumonia. II] Lemle A.
Rev Bras Med 27:97-102, Feb 70 (Por)
[Pulmonary ventilation and mixing in healthy young men, smokers and non-smokers] Teculescu D, et al.
Stud Cercet Med Interna 11:419-23, 1970 (Rum)
[Reproduction by the respiratory center of rhythmical stimulations of the medulla oblongata] Baron VD, et al. Biofizika 16:692-9, Jul-Aug 71 (Rus)
[Ability of man to maintain a constant rate of respiration in inhaling various gaseous mixtures] Breslav IS. Biull Eksp Biol Med 68:8-13, Oct 69 (Rus)
[The role of the tonic activity of the respiratory muscles in regulating human respiration] Domontovich EN, et al.
Biull Eksp Biol Med 66:3-5, Aug 68 (Rus)
[Measurement and recording of arterial pressure, pulse and respiration in rats during a chronic experiment] Liubimova-Gerasimova RM.
Biull Eksp Biol Med 66:122-5, Aug 68 (Rus)
[Respiratory center response to reflex action] Marshak ME, et al. Biull Eksp Biol Med 63:38-42, Nov 67 (Rus)
[Functional changes and structural adaptation of the heart and lungs in pulmonary and coronary circulation disorders] Mel'man EP, et al.
Biull Eksp Biol Med 66:21-5, Sep 68 (Rus)
[Circulatory changes in unanesthetized and anesthetized dogs under hyperoxic conditions] Savel'ev NK, et al.
Biull Eksp Biol Med 66:27-8, 1968 (Rus)
[The effect of electric stimulation of the structures of the medulla oblongata on the cardiovascular, respiratory and motor systems] Smirnov KA.
Biull Eksp Biol Med 69:3-5, Jun 70 (Rus)
[Parameters of control of external respiration immediately following insertion of additional resistance to inspiration] Tenenbaum LA.
Biull Eksp Biol Med 69:14-7, Jun 70 (Rus)
[Processes of search for the optimal regime of respiration] Tenenbaum LA.
Biull Eksp Biol Med 71:17-21, May 71 (Rus)
[A means of calculating the average depth of respiration using spirograms] Tokarev PF, et al.
Biull Eksp Biol Med 65:116-8, 1968 (Rus)
[Gas-exchange and thermoregulation activity of muscles in a hypoxic atmosphere] Zhironkin AG, et al.
Biull Eksp Biol Med 70:26-9, Dec 70 (Rus)
[Aveolar plateau as an indicator of regional asynchronous ventilation of the lungs] Zil'ber AP.
Biull Eksp Biol Med 68:3-6, Oct 69 (Rus)
[Structure of the respiratory neuron system of the medulla oblongata] Keder-Stepanova IA, et al.
Dokl Akad Nauk SSSR 193:1433-6, 1970 (Rus)
[Automatic maitenance of a given depth of anesthesia] Darbinian TM, et al.
Eksp Khir Anesteziol 15:61-7, Mar-Apr 70 (Rus)
[Study of ventilation and the mechanism of respiration of an experimentally reimplanted lung] Kolesnikov VD, et al.
Eksp Khir Anesteziol 15:67-71, Jul-Aug 70 (Rus)
[Human reaction to a gas mixture with different concentrations of oxygen under conditions of negative atmospheric pressure] Breslav IS, et al.
Fiziol Zh SSSR 56:400-6, Mar 70 (Rus)
[Different forms of reaction to voluntary forced breathing] Fantalova VL.
Fiziol Zh SSSR 56:632-9, Apr 70 (Rus)
[A complex study of 1 minute of voluntary hyperventilation] Fantalova VL, et al.
Fiziol Zh SSSR 56:237-45, Feb 70 (Rus)
[Effect of caudal sections of the spinal cord on the excitability of respiratory muscle motor neurons] Frankshtein SI, et al.
Fiziol Zh SSSR 56:874-6, 1970 (Rus)
[Proprioceptive reflexes of the diaphragm] Glebovskiĭ VD. Fiziol Zh SSSR 56:1405-10, Oct 70 (Rus)
[A microelectrode method of potentiometric pH determination (in respiratory center tissue)] Iumatov EA. Fiziol Zh SSSR 56:1657-60, Nov 70 (Rus)
[Phenomenological theory of the functional parameters of the oxygen transport regulation system] Khanin MA, et al.
Fiziol Zh SSSR 56:1801-7, Dec 70 (Rus)
[Reflex changes in respiration following collapse of the lungs] Looga RIu.
Fiziol Zh SSSR 56:392-9, Mar 70 (Rus)
[Interrelations of the indices of work capacity of the cardiovascular and respiratory systems and the blood composition of runners during muscular work of increasing magnitude] Piarnat IaP, et al.
Fiziol Zh SSSR 56:1427-32, Oct 70 (Rus)
[Processing of respiratory neuron impulse activity using the digital computer "Dnepr"] Vadova AIa, et al. Fiziol Zh SSSR 56:1641-4, Nov 70 (Rus)
[Indices of pulse and respiration rates in children at various points in the daily routine as criteria of its assessment] Dobreĭtser VI, et al.
Gig Sanit 35:104-6, Nov 70 (Rus)
[Roentgeno-spirometry of the lungs as a method of measuring the volume of residual air in the lungs of patients with silicosis and anthracosilicosis] Fedorova SD. Gig Tr Prof Zabol 15:53-4, 1971 (Rus)
[Changes in the external respiration in silicosis patients prior to development of their disease] Tsolov Kh. Gig Tr Prof Zabol 14:54-6, Apr 70 (Rus)
[Respiratory function in patients undergoing surgery according to vital signs, in the light of postoperative outcomes] Bogush LK, et al.
Grudn Khir 13:69-74, Jan-Feb 71 (Rus)
[Amount of alveolar ventilation at the time of lung surgery] Lebedev EM, et al.
Grudn Khir 12:88-91, Jul-Aug 70 (Rus)
[Functional state of the lungs in chronic disturbances of bronchial patency] Manevich VL, et al.
Grudn Khir 12:85-91, Nov-Dec 70 (Rus)
[State of the external respiration in patients with tumors and cysts of the mediastinum] Sidorovich SKh, et al. Grudn Khir 12:98-102, Jul-Aug 70 (Rus)
[Ventilation and gas exchange after lung resection] Struchkov VI, et al.
Grudn Khir 12:55-9, Sep-Oct 70 (Rus)
[Veloergometry in pulmonary tuberculosis before and after resection] Vinnik LA, et al.
Grudn Khir 13:101-4, Jan-Feb 71 (Rus)
[Participation of the anterior division of the limbic system in the regulation of respiration] Pogrebkova AV.
Izv Akad Nauk SSSR [Biol] 1:100-3, Jan-Feb 70 (Rus)
[The relation between external respiration and pulmonary hypertension in children and adolescents with mitral stenosis] Apsit SO, et al.
Kardiologiia 10:75-81, Jun 70 (Rus)
[Changes in external respiration and oxygen consumption in acute coronary circulation disorders] Bolotova MF, et al. Kardiologiia 11:11-6, Feb 71 (Rus)
[External respiratory function and blood gas composition in atherosclerotic cardiosclerosis] Solomonova LN. Kardiologiia 10:22-9, Dec 70 (Rus)
[Gas exchange at the alveolocapillary level in mitral stenosis patients] Tsiganiĭ AA, et al.
Kardiologiia 10:71-4, Jun 70 (Rus)
[External respiration in patients with septal defects dependent upon the degree of pulmonary hemodynamic disturbances] Zaretskiĭ VV, et al.
Kardiologiia 10:102-7, Aug 70 (Rus)
[External respiration in patients with chronic nonspecific diseases of the lungs] Babichev SI, et al.
Khirurgiia (Mosk) 46:56-60, Aug 70 (Rus)
[Respiratory function in children with staphylococcal destruction of the lungs] Geras'kin VI, et al.
Khirurgiia (Mosk) 46:52-7, Jul 70 (Rus)
[Changes in external respiration following surgery of the upper abdominal organs] Zavorotnyĭ AV.
Klin Khir 6:33-7, Jun 70 (Rus)
[Diffusing capacity and ventilating function of the lungs in pneumoconiosis] Gladkova EV, et al.
Klin Med (Mosk) 49:99-102, Apr 71 (Rus)
[Disorder of the function of external respiration in neurasthenic syndrome] Kondrashenko VT.
Klin Med (Mosk) 47:120-3, Sep 69 (Rus)
[Tracheobronchial dyskinesia (review of the literature)] Lifshits NA.
Klin Med (Mosk) 48:17-22, Dec 70 (44 ref.) (Rus)
[Pulmonary rheography and external respiratory function in patients with congenital heart defects] Malinovskiĭ NN, et al.
Klin Med (Mosk) 49:61-8, Mar 71 (Rus)
[Pulmonary diffusing capacity in chronic forms of tuberculosis] Volkova KI.
Klin Med (Mosk) 49:92-8, Apr 71 (Rus)
[Determination of the permissible magnitudes of respiration resistance and Co2 content of the inhaled gas in patients under anesthesia] Kovsharova LA, et al. Nov Med Priborostr 2:28-35, 1970 (Rus)
[Pulmophonographic study of healthy subjects] Vinitskaia RS, et al.
Nov Med Priborostr 2:116-21, 1970 (Rus)
[Changes in the electrocardiogram and respiratory rhythm of rats with transplanted brain tumors undergoing application of ultrasound to the brain] Grinshpun SM, et al.
Patol Fiziol Eksp Ter 14:29-32, Nov-Dec 70 (Rus)
[Pathophysiology of experimental botulism] Matkovskii VS, et al.
Patol Fiziol Eksp Ter 15:16-9, May-Jun 71 (Rus)
[Compensatory reactions of the red blood in respiratory insufficiency in patients with pulmonary tuberculosis] Boksha VG, et al.
Probl Tuberk 48:65-9, 1970 (Rus)
[Zonal rheography of the lungs as a method of assessing pulmonary circulation and ventilation in pulmonary tuberculosis] Frinerman EA.
Probl Tuberk 48:44-9, 1970 (Rus)
[Status of the respiratory function after pneumonectomy] Nefedov VB, et al.
Probl Tuberk 48:57-62, 1970 (Rus)
[Dynamics of anthropometric indices and external respiration function in adolescents with pulmonary tuberculosis] Tsallagova EM, et al.
Probl Tuberk 48:41-4, 1970 (Rus)
[Diffusion capacity of the lungs in patients with various forms of pulmonary tuberculosis] Volkova KI.
Probl Tuberk 48:29-35, 1970 (Rus)
[Change in acid-base equilibrium and respiration indices in patients with lung cancer under the effect of physical exertion] Chernikov GN.
Sov Med 33:77-81, 1970 (Rus)
[Gas exchange and hemodynamic characteristics in hemorrhage during ontogenesis at high altitudes] Alymkulov DA.
Sov Zdravookhr Kirg 4:17-20, Jul-Aug 70 (Rus)
[Some functional indices of the external respiration in children with congenital cleft palate before and after operation] Bernadskiĭ IuN, et al.
Stomatologiia (Mosk) 49:53-5, Jul-Aug 70 (Rus)
[External respiration in patients with rheumatism] Bagirova VV. Ter Arkh 43:93-6, Mar 71 (Rus)
[Some indices of the external respiration function and acid-base equilibrium of the blood in diabetes mellitus] Beliaeva SI, et al.
Ter Arkh 43:94-7, Jan 71 (Rus)
[Compensatory reactions in the external respiratory apparatus during respiratory insufficiency in pulmonary tuberculosis] Boksha VG, et al.
Ter Arkh 43:28-32, Jan 71 (Rus)
[Pulmonary tuberculosis as a general pulmonological problem (functional aspects)] Chaĭka VV.
Ter Arkh 42:68-74, Oct 70 (Rus)
[External respiration function in some forms of cerebral pathology] Dobin BIu.
Ter Arkh 43:22-5, Jan 71 (Rus)
[Change in external respiration and arterial blood oxygen saturation in patients with bronchial asthma at the time of physical loading] Krshov AI, et al.
Ter Arkh 42:90-3, Oct 70 (Rus)
[Changes in respiration function in patients with bronchial asthma and asthmatic bronchitis after a single administration of alupent aerosol] Nefedov VB, et al. Ter Arkh 43:44-8, Mar 71 (Rus)
[Some variants of functional disorders of respiration in bronchial asthma] Sherinev VG, et al.
Ter Arkh 43:25-8, Jan 71 (Rus)
[Correlation between the magnitude of forced expiration and inspiration] Tagaĭ VA.
Ter Arkh 43:19-21, Jan 71 (Rus)
[Radioisotope study of zonal ventilation and blood circulation in lung diseases] Votchal BE, et al.
Ter Arkh 42:85-90, Oct 70 (Rus)
[External respiratory function in patients with chronic pneumonias complicated by chronic pulmonary heart from the aspect of age] Zhits MZ.
Ter Arkh 42:37-43, Aug 70 (Rus)
[Changes in external gas metabolism in patients in relation to awaiting surgical operation] Akhundov AA. Vestn Khir 103:125-6, Nov 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Functional criteria for the operability of lung cancer] Bogdan TT. Vestn Khir 105:8-13, Jul 70 (Rus)
[Some indices of external respiration during the administration of postoperative peridural anesthesia in children] Parnes DI, et al. Vestn Khir 105:66-9, Dec 70 (Rus)
[Respiratory disorders in patients with craniocerebral injuries] Tsupping RKh, et al. Vestn Khir 105:106-9, Oct 70 (Rus)
[The radio frequency mass spectrometer and the possibility of its application in studying external respiration] Uvarov BS, et al. Vestn Khir 103:98-102, Nov 69 (Rus)
[Calculation of ventilatory volume from gas exchange intensity in broilers] Lovygin NA. Veterinariia 1:26-8, Jan 71 (Rus)
[Pneumographic characteristics of external respiratory function in young children with bronchial asthma] Shiriaeva IS, et al. Vopr Okhr Materin Det 15:48-51, Jun 70 (Rus)
[Dynamics of external respiratory insufficiency and the reactivity of basic nerve processes in 1st stage anthracosilicosis] Rashap BIa, et al. Vrach Delo 3:135-8, Mar 71 (Rus)
[Changes in the external respiratory apparatus in circulatory insufficiency] Khachatrin MR. Zh Eksp Klin Med 7:40-5, 1967 (Rus)
[Respiratory center changes in rabbits with acute radiation sickness complicated by blood loss] Mailian ES. Zh Eksp Klin Med 7:17-22, 1967 (Rus)
[Use of x-ray analysis of the state of the respiratory system in neurology] Sadof'ev AI. Zh Nevropatol Psikhiatr 71:529-34, 1971 (Rus)
[Behavioral and electroencephalographic reactions evoked by stimulation of the medial and lateral septal zones in rabbits] Kozlovskaia MM, et al. Zh Vyssh Nerv Deiat 20:1022-30, Sep-Oct 70 (Rus)
[The interrelationship between the respiratory, cardiac and cardiovascular components of the alimentary conditioned reflex during the ontogenesis of dogs with different types of nervous system] Sirotskif VV. Zh Vyssh Nerv Deiat 19:701-3, Jul-Aug 69 (Rus)
[Fibrocystic disease of the pancreas and clinico-functional correlation] Macri CN, et al. Arch Argent Pediatr 69:173-82, Jul 71 (Spa)
[Respiratory function in pulmonary carcinomatosis. Report of 5 cases] Balvanera Abreu A, et al. Arch Inst Cardiol Mex 41:193-201, Mar-Apr 71 (Spa)
[Development of anatomo-functional changes in obstructive pulmonary emphysema. Preliminary report] León E, et al. Arch Inst Cardiol Mex 41:161-6, Mar-Apr 71 (Spa)
[The metabolic and respiratory components of acid-base equilibrium in children] Mireles Vieyra M, et al. Arch Inst Cardiol Mex 41:342-8, May-Jun 71 (Spa)
[Functional evaluation of pachypleuritis and visceral-parietal decortication] Valdéz Ochoa S, et al. Prensa Med Mex 36:74-85, Feb 71 (Spa)
[Respiratory compensation in metabolic acidosis of acute infantile diarrhea. Effects of the correction of blood levels of bicarbonate] Bancalari E, et al. Rev Chil Pediatr 41:533-42, Jul 70 (Spa)
[Mechanism of respiration in the normal newborn infant] Bancalari E, et al. Rev Chil Pediatr 41:888-900, Sep 70 (Spa)
[Pulmonary ventilation in normal children. II. Mechanics orf respiration: timed vital capacity and maximal expiratory and inspiratory flows] Diaz Cruz A, et al. Rev Chil Pediatr 41:967-74, Oct 70 (Spa)
[Receptors sensitive to inflation and receptors sensitive to deflation of the lungs during spontaneous respiration in the guinea pig] Ferrer-Salvans P, et al. Rev Esp Fisiol 28:273-92, Dec 70 (Spa)
[Syndrome characterized by tongue abnormality, polydactyla, tachypnea and psychomotor retardition] Gustavson KH, et al. Lakartidningen 67:4632-5, 7 Oct 70 (Swe)
[Tracheobronchial clearance in man studied with monodispersed teflon particles tagged with 18F and 99mTc] Camner P, et al. Nord Hyg Tidskr 52:1-9, 1971 (Swe)
[Effect of hyperoxia on periodic breathing in frogs] Aref'eva TO. Fiziol Zh 14:487-93, Jul-Aug 68 (Ukr)
[Impulse activity of sinus and diaphragmatic nerves in asphyxia] Drach AS. Fiziol Zh 16:473-9, Jul-Aug 70 (Ukr)
[Changes in respiration and oxygen parameters during exercise in children] Guniadi BK. Fiziol Zh 16:318-25, May-Jun 70 (Ukr)
[Respiratory control in children and adolescents] Kolchinskaia AZ. Fiziol Zh 16:237-49, Mar-Apr 70 (Ukr)
[Oxygen consumption in organisms of adolescents during physical loading] Mishchenko VS. Fiziol Zh 14:750-9, Nov-Dec 68 (Ukr)
[Respiration, oxygen transportation function of the blood and oxygen consumption in heavy athletes] Stepanov IuV. Fiziol Zh 14:768-73, Nov-Dec 68 (Ukr)
[Oxygen entering into lungs, its transport by blood and consumption during static efforts] Stepanov IuV. Fiziol Zh 16:82-9, Jan-Feb 70 (Ukr)
[Tracheal cannula adapted for recording of pneumogram] Vasilevskif VS. Fiziol Zh 14:844-6, Nov-Dec 68 (Ukr)
[Forced exhaust spirography in healthy and sick children in active phase of rheumatism] Zveriaev OP. Pediatr Akush Ginekol 1:20-2, Jan-Feb 69 (Ukr)
[Thoracic roentgenographic exposures controlled by respiration phase in children] Truckenbrodt H, et al. Ann Radiol (Paris) 12:413-8, 1969 (Mul)

DRUG EFFECTS

A comparison of the effects of accumulated doses of pentazocine and pethidine on ventilation at PACO2=45mm Hg. Dyrberg V, et al. Acta Anaesthesiol Scand 15:65-70, 1971
Paraquat-induced derangement of pulmonary surfactant in the rat. Robertson B, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:37+, 1970
Circulatory reactivity to adrenaline and urinary excretion of noradrenaline and adrenaline early after pulmonary surgery. Wranne B. Acta Soc Med Ups 75:19-43, 1970
Effect of isoproterenol on gas exchange during air and oxygen breathing in patients with asthma. Gazioglu K, et al. Am J Med 50:185-90, Feb 71
Neurophysiologic and behavioral effects of certain anesthetics administered intramuscularly in the rhesus monkey (Macaca mulatta). Hinko PJ, et al. Am J Vet Res 31:1661-78, Sep 70
Dichlorvos-containing dog collars and thiamylal anesthesia. Ritter C, et al. Am J Vet Res 31:2025-9, Nov 70
Effect of isoproterenol on gas exchange during air and oxygen breathing in patients with chronic pulmonary diseases. Gazioglu K, et al. Am Rev Resp Dis 104:188-97, Aug 71
The effect of beta-adrenergic inhibition on respiratory gas exchange and lung function. Stone DJ, et al. Am Rev Resp Dis 103:503-8, Apr 71
Use of ketamine in an asthmatic child: a case report. Betts EK, et al. Anesth Analg (Cleve) 50:420-1, May-Jun 71
Comparison of the effects of RO 5-6901, pentobarbital, and meperidine on the respiratory response to carbon dioxide. Finn H, et al. Anesth Analg (Cleve) 49:297-9, Mar-Apr 70
Effects of two new dissociative anesthetic agents, ketamine and CL-1848C, on the respiratory response to carbon dioxide. Kelly RW, et al. Anesth Analg (Cleve) 50:262-9, Mar-Apr 71
End-tidal and arterial gas tension levels in postanesthetic respiratory depression. Noe FE, et al. Anesth Analg (Cleve) 49:637-45, Jul-Aug 70
The effects of diazepam on the ventilatory response to carbon dioxide and on steady-state gas exchange. Catchlove RF, et al. Anesthesiology 34:9-13, Jan 71
The effects of diazepam on respiration in patients with obstructive pulmonary disease. Catchlove RF, et al. Anesthesiology 34:14-8, Jan 71
The effects of halothane on respiratory and cardiovascular responses to hypoxia in dogs: a dose-response study. Cullen DJ, et al. Anesthesiology 33:487-96, Nov 70
The ventilatory effects of Forane, a new inhaled anesthetic. Fourcade HE, et al. Anesthesiology 35:26-31, Jul 71
The effects of ether, halothane, and Forane on apneic thresholds in man. Hickey RF, et al. Anesthesiology 35:32-7, Jul 71
Hemodynamic and blood-gas effects of Innovar in patients with acquired heart disease. Tarhan S, et al. Anesthesiology 34:250-5, Mar 71
Carbon monoxide uptake in cigarette smoking. Cohen SI, et al. Arch Environ Health 22:55-60, Jan 71
Nicotine effects on alveolar macrophage respiration and adenosine triphosphatase activity. Meyer DH, et al. Arch Environ Health 22:362-5, Mar 71
Cholinergic-like effects of Chlorophyllum molybdites (Meyer. Ex. Fr.) Mass. (agaricaceae). Torrelio M, et al. Arch Int Pharmacodyn Ther 185:185-90, May 70
A comparison of the effects of propranolol and practolol on forced expiratory volume and resting heart rate in normal subjects. Turner P, et al. Arch Int Pharmacodyn Ther 191:104-10, May 71
Some toxicological aspects of a nicotinamide-methylaminopyrazolone (Ra 101). Tubaro E, et al. Arzneim Forsch 20:1024-9, Aug 70
Respiratory and hypnotic effects of nitrazepam, diazepam and pentobarbitone and their solvents in the rabbit and the mouse. Bradshaw EG, et al. Br J Anaesth 43:637-43, Jul 71
The effects of premedication with pentazocine and pethidine on respiration during general anaesthesia. Davie IT, et al. Br J Anaesth 43:500-5, May 71
The cardiorespiratory effects of intravenous isoprenaline in mechanically ventilated dogs. Finlay WE, et al. Br J Anaesth 42:1042-50, Dec 70
Cardiorespiratory effects of intravenous isoprenaline and salbutamol in dogs. Loh L, et al. Br J Pharmacol 41:445-53, Mar 71
Local effects of beta-adrenergic blocking drugs in asthmatics. Beumer HM. Bronches 18:489-94, Nov-Dec 68
The effects of atropine, pralidoxime, and lidocaine on nerve--muscle and respiratory function in organophosphate-treated rabbits. Johnson DD, et al. Can J Physiol Pharmacol 48:625-30, Sep 70
Pulmonary and circulatory effects of human fibrinopeptides. Fisher HK, et al. Chest 59:Suppl:3S-6S, May 71
Cardiopulmonary effects of progestational agents in emphysematous rats. Ino T, et al. Chest 59:659-66, Jun 71
Reflex apnea, bradycardia, and hypotension produced by serotonin and phenyldiguanide acting on the nodose ganglia of the cat. Jacobs L, et al. Circ Res 29:145-55, Aug 71
The effect of halothane on ventilatory responses mediated by the peripheral chemoreceptors. Whitwam JG, et al. Clin Sci 40:13P-14P, Mar 71
Cardiovascular and respiratory function of hypothermic rabbits, as influenced by dimethyl sulfoxide. Orlando MM, et al. Cryobiology 7:216-22, Nov-Dec 70
Action of antibiotics on the respiratory tract. 3. Chloramphenicol. Benzi G, et al. Farmaco [Sci] 25:714-8, Sep 70
Effect of p,p'-DDT on rumen ecology, EKG patterns, and respiratory rate of beef steers. Rumsey TS, et al. J Agric Food Chem 18:485-9, May-Jun 70
Nitrous oxide--a study of physiological and psychomotor effects. Trieger N, et al. J Am Dent Assoc 82:142-56, Jan 71
Effects of succinylcholine and promazine on the cardiovascular and respiratory systems of horses. Zinn RS 3d, et al. J Am Vet Med Assoc 157:1495-9, 1 Dec 70
Ventilatory response to inhaled carbon dioxide in hyperthyroidism. Engel LA, et al. J Appl Physiol 30:173-7, Feb 71
Immediate effects of positive-pressure breathing on the ventilatary response to CO2. Flenley DC, et al. J Appl Physiol 30:7-11, Jan 71
Effects of sedation and posture on pulmonary gas exchange in the baboon. Herman CM, et al. J Appl Physiol 30:498-501, Apr 71
Stimulation of lung irritant receptors by cigarette smoke, carbon dust, and histamine aerosol. Sellick H, et al. J Appl Physiol 31:15-9, Jul 71
Studies on the pulmonary physiological effect of sympathomimetic amines in bronchial asthma. Crosbie WA, et al. J Asthma Res 8:99-110, Mar 71
Cardiovascular and respiratory effects of profadol in normal individuals. Pearson JW, et al. J Clin Pharmacol 11:261-7, Jul-Aug 71
A double blind controlled study of the pharmacologic effects of nalbuphine (EN-2234A). Elliott HW, et al. J Med (Basel) 1:74-89, 1970
Nikethamide and doxapram effects on pentazocine- and morphine-induced respiratory depression. Franko BV, et al. J Pharm Pharmacol 23:709-10, Sep 71
Reversal by sotalol of the respiratory depression induced in mice by ethanol. Hayashida K, et al. J Pharm Pharmacol 23:718-9, Sep 71
Pentazocine and nikethamide antagonism. Hunter AR, et al. J Pharm Pharmacol 22:719-20, Sep 70
A comparison of the effects of close shearing and of injections of noradrenaline into a lateral cerebral ventricle in the Welsh Mountain sheep. Maskrey M. J Physiol (Lond) 210:102P+, Sep 70
A comparison of the effects of close shearing and of injections of noradrenaline into a lateral cerebral ventricle in the Welsh Moutain sheep. Maskrey M. J Physiol (Lond) 210:102P+, Sep 70
Effect of lactic acid infusion in dogs. Halmagyi DF, et al. Minn Med 54:417-9, Jun 71
Suppression of fetal breathing to prevent aspiration of meconium. Goodlin RC. Obstet Gynecol 36:944-7, Dec 70
Respiratory and circulatory effects of 100 meq-l potassium or 2 per cent procaine in the cerebrospinal fluid of cats. Berndt J, et al. Pfluegers Arch 321:346-63, 1970
Effects of a selective beta 2-receptor stimulant on lung function, intrapulmonary gas exchange and circulation at rest and during work in patients with bronchial asthma. Koch G. Postgrad Med J 47:Suppl:105-9, Mar 71
The influence of thiopentone and suxamethonium on cardiovascular and respiratory function in the horse. Tavernor WD, et al. Res Vet Sci 11:45-53, Jan 70
The influence of guaiacol glycerol ether on cardiovascular and respiratory function in the horse. Tavernor WD. Res Vet Sci 11:91-3, Jan 70
The effects of the intraventricular administration of angiotensin II, bradykinin and eledoisin on the arterial blood pressure, respiratory movements and electrocardiogram. Cuparencu B, et al. Rev Roum Physiol 6:213-20, 1969
Effects of purified scorpion toxin on respiratory movements in the rat. Freire-Maia L, et al. Toxicon 8:307-10, Nov 70
Changes in specific airway conductance in healthy volunteers following nasal and oral inhalation of SO2. Melville GN. West Indian Med J 19:231-5, Dec 70
[Effect of higher concentrations of carbon dioxide on blood circulation and respiration in rats of various ages] Tufil M, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:351-7, 1970 (Cze)

[Dextromoramide-induced respiratory depression] Takki S, et al. Duodecim 87:1021-6, 1971 (Fin)

[Effects of 1-(beta-naphthyl)nonyl-1-amine on respiration and the cardiovascular system] Pham-Huu-Chanh, et al.
Arch Int Pharmacodyn Ther 187:276-83, Oct 70 (Fre)

[Experimental study of the neuro-muscular and cardiovascular actions of an aminoglucosidic antibiotic, gentamicin] Bouyard P, et al.
C R Soc Biol (Paris) 164:1802-5, 1970 (Fre)

[Analysis of histories of cases of hypoxia during acute poisoning seen at the Hôpital Fernand-Widal] Gaultier M, et al. Poumon Coeur 26:931-6, 1970 (Fre)

[Action of bronchial caliber modifiers on the ventilatory mechanism. Study of 30 subjects] Germouty J, et al. Poumon Coeur 25:59-79, 1969 (Fre)

[Influence of dihydro-ergotoxine (Redergam) on changes of heart rate respiratory movements and bioelectrical activity of cortex(arousal) evoked by distension of the gallbladder] Lindemann M, et al.
Acta Biol Med Ger 26:681-90, 1971 (Ger)

[Influence of piritramid(Dipidolor) on the respiration regulation and orthostatic stability of the blood circulation] Heitmann HB, et al.
Anaesthesist 19:152-5, Apr 70 (Ger)

[Pulmonary function in peridural anesthesia] Lipecz J, et al. Anaesthesist 20:61-3, Feb 71 (Ger)

[Comparative studies of the respiratory-stimulating and vagus-stimulating effects of some central analeptics] Tauberger G.
Arch Int Pharmacodyn Ther 188:53-60, Nov 70 (Ger)

[Studies on the effect of a new psychotropic drug 1-((methylamino)methyl)-dibenzo(b,e)bicyclo-(2,2,2)octadiene hydrochloride on the CO2 sensitive central respiratory regulation] Geisler L, et al.
Arzneim Forsch 20:957-8, Jul 70 (Ger)

[Objective studies of the effects of tranquilizing agents] Harrer G, et al.
Arzneim Forsch 20:921-3, Jul 70 (Ger)

[Pharmacology of a new potent analgesic] Herrmann M, et al. Arzneim Forsch 20:977-83, Aug 70 (Ger)

[The effects of Bemegride, Pentetrazole and Nikethamide on blood pressure, heart rate and respiration in alcohol-intoxicated rats] Lüdtke AH, et al. Arzneim Forsch 20:1482-5, Oct 70 (Ger)

[Degree and duration effect of orally applied hydroxydiethylphenamine on flow resistance and velocity and intrathoracic gas volume in chronic obstructive diseases of the respiratory tract] Withöft E, et al. Arzneim Forsch 21:538-41, Apr 71 (Ger)

[Acute effects of 5 ppm NO2 on the function of the lung and circulation of healthy subjects] Nieding G von, et al. Int Arch Arbeitsmed 27:234-43, 1970 (Ger)

[The effect of an adrenergic beta receptor blockader (Kö 592) on respiration] Hamm J, et al.
Klin Wochenschr 48:457-64, 15 Apr 70 (Ger)

[Respiratory stimulation with vanillic acid diethylamide in chronic bronchitis and respiratory insufficiency] Fruhmann G, et al.
Med Klin 65:1570-6, 4 Sep 70 (Ger)

[The effect of biogenic amines on respiration and pulmonary circulation. I. Acetylcholine inhalation and infusion in the right atrium and the truncus bicaroticus] Kammler E, et al.
Pneumonologie 142:67-82, 1970 (Ger)

[Respiration and circulation studies on horses using the analeptic, "Micoren"] Beglinger R.
Schweiz Arch Tierheilkd 112:571-80, Nov 70 (Ger)

[The behavior of blood circulation and respiration in the drug-recumbent horse using Rompun and Pentothal] Skarda R, et al.
Schweiz Arch Tierheilkd 112:458-63, Sep 70 (Ger)

[Increase of primary vascular pulmonary hypertension in connection with the intake of appetite depressants? Questions of respiratory regulation] Smekal P von, et al.
Z Kreislaufforsch 59:892-7, Oct 70 (Ger)

[On a new respiratory analeptic drug. (Clinical study in anesthesiology] Barusco G, et al.
Acta Anaesthesiol (Padova) 21:277-87, Mar-Apr 70 (Ita)

[Functional exploration of the respiratory system after administration of thiamine in high doses] Busetti L, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:143-9, 1968 (Ita)

[Respiratory depression and muscle relaxation caused by diallyl-nor-toxiferine] Giomarelli P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1125-33, 1968 (Ita)

[Varied rate of administration of perhydrol in dogs breathing nitrogen] Florio R, et al.
Boll Soc Ital Biol Sper 45:1637-9, 31 Dec 69 (Ita)

[Standardization of the dose of perhydrol, survival time and changes in blood pressure and respiration in dogs treated with nitrogen and perhydrol] Lombardi S, et al. Boll Soc Ital Biol Sper 45:1635-7, 31 Dec 69 (Ita)

[Analeptic properties of N,N,N-trimethyl-2-(3-benzisothiazolyloxy) ethylamonium iodide] Piccinin GL, et al.
Farmaco [Sci] 26:40-50, Jan 71 (Ita)

[Clinical considerations on the use of doxapram in 1488 patients] Cassiano O, et al.
Minerva Anestesiol 35:1011-6, Oct 69 (Ita)

[Study of respiratory function in relation to the administration of beta-blocking drugs] Leonardis G, et al. Minerva Anestesiol 36:341-6, Jun 70 (Ita)

[Clinical evaluation of a new synthetic respiratory analeptic: 3,3-diphenyl-1-ethyl-4(alpha-morpholinoethyl)-pyrrolidone chlorhydrate] Scotti A, et al.
Minerva Anestesiol 35:1194-7, Dec 69 (Ita)

[General complications of local anesthesia] Zaffiri O, et al. Minerva Anestesiol 36:320-3, May 70 (Ita)

[On the use of Doxapram (3,3-diphenyl-1-ethyl-4-(alpha-morpholino-ethyl)-2-pyrrolidone hydrochloride) in infantile and neonatal anesthesia] Zuccaro GM, et al.
Minerva Anestesiol 36:325-32, Jun 70 (Ita)

[Preliminary report on the activity of orally administered Farmicor on blood circulation and respiration] Respighi E, et al.
Minerva Cardioangiol 19:261-4, May 71 (Ita)

[Use of intravenous diazepam for preanesthetic medication--with special reference to sedative effects and changes in vital signs] Aono K, et al.
Jap J Anesthesiol 20:556-60, Jun 71 (Jap)

[Intracisternal injection of water-soluble contrast media] Sawhney BB, et al.
Nord Med 85:63, 14 Jan 71 (Nor)

[Benzodiazepines. Effects on respiration?] Naess K.
Tidsskr Nor Laegeforen 90:1893, 15 Oct 70 (Nor)

[Doxapram. A respiration stimulator] Stovner J.
Tidsskr Nor Laegeforen 89:1655-6, 1 Nov 69 (Nor)

[The effect of some compounds on the viability and respiration of larval scolexes of Alveococcus multiocularis (Leucart, 1863) Abuladze 1961] Lukashenko NP, et al.
Acta Vet Acad Sci Hung 20:339-52, 1970 (Rus)

[Pharmacological study of the antibiotic sibiromycin] Iliushina NG, et al. Antibiotiki 15:612-7, Jul 70 (Rus)

[Anesthetic effect of a series of narcotic analgesics and its correlation with the ability to cause Bezold's triad] Dolzhenko AT, et al.
Biull Eksp Biol Med 70:60-3, Aug 70 (Rus)

[Nature of the central adreno- and serotonin-sensitive structures participating in the facilitating influence of bioamines on the respiratory reflex from the upper respiratory passages] Komissarov IV, et al.
Biull Eksp Biol Med 70:52-5, Oct 70 (Rus)

[Changes in the EEG and various autonomic reactions in poisoning by organic tin derivatives] Mazaev VT, et al. Biull Eksp Biol Med 66:72-4, Nov 68 (Rus)

[Anti-inflammatory effect of badchizine] Antelava NA, et al. Farmakol Toksikol 34:185-8, 1971 (Rus)

[Method for study of curarizing and decurarizing agents by means of registration of diaphragmatic respiration] Bachev SG.
Farmakol Toksikol 34:244-5, 1971 (Rus)

[Sequence of extinction and restoration of body function in ether poisoning] Batrak GE, et al.
Farmakol Toksikol 33:524-7, Sep-Oct 70 (Rus)

[Effect of psychostimulants on cerebral circulation and oxygen consumption] Fomochkin IP.
Farmakol Toksikol 34:38-42, 1971 (Rus)

[Pharmacology of some derivatives of indole and benzofuran] Il'iuchenok TIu, et al.
Farmakol Toksikol 33:576-81, Sep-Oct 70 (Rus)

[Pharmacology of aphyllinic acid] Konovalova VA, et al.
Farmakol Toksikol 34:335-6, May-Jun 71 (Rus)

[Pharmacology of some carbamoyl derivatives of serotonin] Mashkovskiĭ MD, et al.
Farmakol Toksikol 34:26-9, 1971 (Rus)

[Pharmacological study of acetylcysteine] Vitolin' RO, et al. Farmakol Toksikol 34:98-101, 1971 (Rus)

[Changes in gas metabolism and muscle thermoregulatory activity in animals in a hyperoxic atmosphere] Troshikhin GV.
Fiziol Zh SSSR 57:438-41, Mar 71 (Rus)

[Function of the external respiration system in mitral stenosis and its changes under the effects of conservative therapy] Martovitskaia AA.
Kardiologiia 10:134-6, 1970 (Rus)

[Effect of ganglionic blockaders on hemodynamics, pulmonary ventilation, gas exchange, and acid-base equilibrium in pulmonary tuberculosis accompanied by pulmonary hypertension and chronic cor pulmonale] Rumiantsev VB, et al.
Probl Tuberk 49:44-8, 1971 (Rus)

[Action of chlordiazepoxide on the excitability of the respiratory center] Florez J.
Arch Inst Farmacol Exp (Madr) 21:55-62, 1969 (Spa)

[Effect of a selective beta-2-stimulating sympathicomimetic on lung function, intrapulmonary gas exchange and physical working capacity in bronchial asthma] Koch K, et al.
Nord Med 84:1504-5, 19 Nov 70 (Swe)

RADIATION EFFECTS

Effect of internal exposure by 90Sr and 131-I on respiratory 14CO2 patterns following 14C-glucose administration in mice. Matsuoka O, et al.
J Radiat Res (Tokyo) 11:157-65, Sep-Dec 70

RESPIRATION, ARTIFICIAL (E2)

Gastric inflation due to artificial respiration. Ruben H, et al. Acta Anaesthesiol Scand 14:281-5, 1970

The effect of general anaesthesia, muscle paralysis and mechanical ventilation of the lungs on intrapulmonary gas distribution. Rehder K, et al.
Anaesthesia 26:88, Jan 71

The effect of mechanical ventilation after open-heart surgery. Sykes MK, et al. Anaesthesia 25:525-40, Oct 70

Arterial oxygenation during anesthesia and controlled ventilation. Rolly G. Anaesthesist 20:85-90, Mar 71

Ventilatory requirements after open-heart oprations. Duncalf D, et al.
Anesth Analg (Cleve) 49:518-22, Jul-Aug 70

A negative-pressure tank-type respirator for the neonate. Shepard FM.
Anesth Analg (Cleve) 49:413-9, May-Jun 70

Alveolar surface activity following mechanical endotracheal ventilation with high-density water mist. Toung JK, et al.
Anesth Analg (Cleve) 49:851-8, Nov-Dec 70

Re-evaluation of relationships of hyperkalemia and PCO2 to cardiac arrhythmias during mechanical ventilation. Yakaitis RW, et al.
Anesth Analg (Cleve) 50:368-73, May-Jun 71

A new and simple method for ventilating patients undergoing bronchoscopy. Carden E, et al.
Anesthesiology 33:454-8, Oct 70

A method for supplemental oxygen administration during weaning from mechanical ventilation. Dalton BC, et al. Anesthesiology 33:452-4, Oct 70

The ambulatory Bird ventilator. Sladen A, et al.
Anesthesiology 33:666-8, Dec 70

The ability to detect changes in airway resistance during manual artificial ventilation. Heinonen J, et al.
Ann Chir Gynaecol Fenn 59:146-50, 1970

A controlled trial of assisted ventilation using an oro-nasal mask. Llewellyn MA, et al.
Arch Dis Child 45:453-9, Aug 70

Mechanical ventilation in the respiratory distress syndrome: a controlled trial. Murdock AI, et al.
Arch Dis Child 45:624-33, Oct 70

Effect of alterations in mechanical ventilator settings on pulmonary gas exchange in hyaline membrane disease. Reynolds EO. Arch Dis Child 46:152-9, Apr 71

Oxygen injection in suspension laryngoscopy. Barr NL Jr, et al. Arch Otolaryngol 93:606-9, Jun 71

The management of severe postpartum eclampsia with D-tubocurarine and controlled ventilation in the intensive care unit. Chan WF, et al.
Aust NZ J Obstet Gynaecol 10:187-9, Aug 70

Practical problems associated with artificial ventilation in the newborn infant. Cooke R.
Biol Neonate 16:60-73, 1970

Problem of weaning of mechanical ventilation in premature babies with hyaline membrane disease. Dehan M. Biol Neonate 16:81-4, 1970

Another approach to assisted ventilation in the treatment of hyaline membrane disease (HMD). Gruber HS, et al. Biol Neonate 16:87, 1970

Artificial ventilation in hyaline membrane disease. Analysis of a series (130 cases). Martin-Bouyer G, et al.
Biol Neonate 16:164-83, 1970

Artificial ventilation of the very small premature infant with respiratory insufficiency. Rilhá N, et al.
Biol Neonate 16:184-6, 1970

Temperature control, hydration and feeding, bilirubin and calcium metabolism. Stern L.
Biol Neonate 16:92-100, 1970

Clinical indications for mechanical ventilation in newborn infants. Strang LB.
Biol Neonate 16:142-7, 1970

Results of artificial ventilation. Experience at the Hospital for Sick Children, Toronto. Swyer PR.
Biol Neonate 16:148-54, 1970

Symposium on artificial ventilation. Summary of conference proceedings. Swyer PR.
Biol Neonate 16:191-5, 1970

Patient monitoring during artificial ventilation. Swyer PR. Biol Neonate 16:88-91, 1970

The effects of variations in inspiratory: expiratory ratio on cardiorespiratory function during controlled ventilation in normo-, and hypo-and hypervolaemic dogs. Finlay WE, et al. Br J Anaesth 42:935-40, Nov 70

The effects of variations in end-expiratory inflation pressure on cardiorespiratory function in normo-, hypo-and hypervolaemic dogs. Sykes MK, et al.
Br J Anaesth 42:669-77, Aug 70

A pulmonary disease in patients ventilated with high oxygen concentrations. Burrows FG, et al.
Br J Radiol 43:848-55, Dec 70

Principles in the management of assisted ventilation. Didier EP. Chest 58:Suppl 2:423-6, Oct 70

An optimally controlled respirator. Mitamura Y, et al.
IEEE Trans Biomed Eng 18:330-7, Sep 71

"Rescue breathing". Wyper MR.
J Sch Health 40:541-2, Dec 70

Respiratory insufficiency: Treatment with mechanical ventilation. Rogers RM. Med Times 98:197-206, Sep 70

Objectives of oxygen therapy.
N Engl J Med 284:916-9, 22 Apr 71

Artificial ventilation. 2. Indications and technique for

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

artificial ventilation. Quarrell EJ.
Nurs Times 66:1323-5, 15 Oct 70
An automatic alarm system: for use in the management of respiratory ventilation. Stunt CL.
Nurs Times 66:1321-2, 15 Oct 70
Arterial blood gases during assisted ventilation in patients with chronic respiratory failure. II. Changes in the partial pressure of oxygen (PaO2). Zieliński J.
Pol Med J 9:1132-9, 1970
Arterial blood gases during assisted ventilation in patients with chronic respiratory failure. I. Changes in the partial pressure of carbon dioxide (PaCO2). Zieliński J. Pol Med J 9:1123-31, 1970
Artificial respiration in a case of acute dry tracheobronchitis. Hazewinkel RO, et al.
Pract Otorhinolaryngol (Basel) 32:189-92, 1970
The method of hypercapnia choosen to test respiratory assistance by artificial lungs. Gille JP, et al.
Rev Eur Etud Clin Biol 16:181-4, Feb 71
The indications for respirator treatment in chronic pulmonary disease and some practical views on its performance. Brundin A, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:27+, 1970
Ventilation with synthetic fluids. Patel MM, et al.
Surg Clin North Am 51:25-36, Feb 71
Ventilatory support. Andersen MN.
Surgery 66:1112-9, Dec 69
[Evaluation of lung function during respirator treatment] Henriksen H, et al.
Nord Med 85:559-65, 6 May 71 (Dan)
[Evaluation of lung function during respirator therapy] Henriksen H, et al. Nord Med 85:760-1, 17 Jun 71 (Dan)
[Respirator treatment of infants] Pedersen B.
Nord Med 85:759-60, 17 Jun 71 (Dan)
[Problems of anesthesia and oxygenation encountered during pulmonary transplantation] Rolly G, et al.
Acta Anaesthesiol Belg 20:99-109, 1969 (Fre)
[Hypercapnia and methods of ventilation in the surgical patient] Choffat P, et al.
Anesth Analg (Paris) 27:863-70, Sep-Oct 70 (Fre)
[Humidification in artificial ventilation] Radiguet de la Bastaie P.
Anesth Analg (Paris) 27:759-74, Sep-Oct 70 (Fre)
[Treatment of status asthmaticus with automatic respirators and anesthesia with diazepam, Na gamma-hydroxybutyrate, gallamine and N20] Touchard P.
Anesth Analg (Paris) 27:791-806, Sep-Oct 70 (Fre)
[Effects of artificial ventilation on the intraocular pressure of anesthesied patients] Ourgaud, et al.
Bull Mem Soc Fr Ophtalmol 83:643-50, 1970 (Fre)
[Variation of temperature in animals under artificial respiration by change of FICO2] Chapot G.
C R Soc Biol (Paris) 164:282-4, 25 Sep 70 (Fre)
[A case of post-traumatic fat embolism cured with assisted respiration and hyperbaric oxygenotherapy] Lavarde G, et al. Chirurgie 97:264-72, 1971 (Fre)
[Prolonged artificial respiration for coma patients] Huguenard P. Laval Med 42:547-51, Jun 71 (Fre)
[Intermittent assisted ventilation and ambulatory treatment with respirator at home] Levi-Valensi P, et al. Lille Med 16:156-63, Jan 71 (Fre)
[Considerations on the treatment of 102 cases of mobile thoracic flaps] Chadenson O, et al.
Lyon Med 225:425-35, 14 Mar 71 (Fre)
[Resuscitation of the newborn] Pichon R.
Maroc Med 49:428-36, Jul 69 (Fre)
[Respirators at home for the treatment of patients with severe chronic respiratory insufficiency. Indications and efficiency conditions] Levi-Valensi P, et al.
Poumon Coeur 26:1219-35, 1970 (Fre)
[Place of assisted respiration in the treatment of infectious diseases (poliomyelitis excepted)] Giroud M, et al.
Rev Corps Sante Armees 9:763-73, Dec 68 (Fre)
[Role of assisted ventilation in the prevention and treatment of postoperative cardiorespiratory accidents] Giroud M, et al.
Rev Corps Sante Armees 10:31-42, Feb 69 (Fre)
[Electropharmacologic correlations in oxygen deficient anoxia of rabbits in natural or artificial respiration] Giurgea C, et al.
Rev Neurol (Paris) 122:484-6, Jun 70 (Fre)
[Indications for respiratory resuscitation technics in whooping cough] Bastin R, et al.
Therapeutique 44:577-9, Nov 68 (Fre)
[Comparative analyses of the acid-base status and blood gases from central venous and arterial blood] Cunitz G, et al. Anaesthesist 20:90-4, Mar 71 (Ger)
[Effects of the electrophrenic respiration on pulmonary blood circulation] Holle J, et al.
Anaesthesist 20:102-6, Mar 71 (Ger)
[Experiences in the treatment of 163 cases of tetanus at the Surgical University Clinic in Wurzburg, 1946-1969] Weis KH, et al. Anaesthesist 19:112-6, Mar 70 (Ger)
[Hyperventilation to avoid disturbances of hepatic excretory function in the initial stage of nitrostigmine (E 605 forte) poisoning in rats)] Okonek S, et al.
Arch Toxikol 28:24-38, 1971 (Ger)
Alarming symptom in relation to respiratory organs] Nusser E, et al. Internist (Berlin) 11:51-8, Feb 70 (Ger)
[Artificial respiration and tracheotomy in the treatment of severe thoracic trauma] Eisterer H.
Pneumonologie 143:292-4, 1970 (Ger)
[Physiological and pathophysiological aspects in thoracotomy and artificial ventilation] Unseld H.
Prax Pneumol 24:690-9, Nov 70 (Ger)
[Gas metabolism in extracorporeal circulation] Brückner JB. Thoraxchirurgie 17:371-9, Oct 69 (Ger)
[Influence of the inspiratical oxygen concentration on the intrapulmonary right-left shunt] Wolff G, et al.
Thoraxchirurgie 18:356-60, Aug 70 (Ger)
[Successful respiration therapy in severe acute chloroquine (Delagil) poisoning] Lázár I, et al.
Orv Hetil 112:436-8, 21 Feb 71 (Hun)
[The properdin level of blood in patients receiving respiration therapy] Petrás G, et al.
Orv Hetil 112:847-51, 11 Apr 71 (Hun)
[Respiratory assistance to cardiac patients operated on extra-corporeal circulation (E.C.C)] Baiocco G, et al.
Acta Anaesthesiol (Padova) 20:555-74, May-Jun 69 (Ita)
[Influence of the type of ventilation on the phenomena of pulmonary de-aeration during operations in the lateral decubitus position. (Clinico-radiological and blood gas analytical observations)] Meletti M, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:1-26, 1969 (Ita)
[Therapy of acute respiratory insufficiency in an influenza epidemic] Nanni Costa P, et al.
Bull Sci Med (Bologna) 142:159-73, Apr-Jun 70 (Ita)
[Therapy of respiratory insufficiency] Panuccio P, et al. Folia Allergol (Roma) 18:224-57, May-Jun 71 (Ita)
[Prolonged external cardiac massage with synchronized ventilation] Bianchetti L.
Minerva Anestesiol 37:346-8, Aug-Sep 71 (Ita)
[Theoretical and experimental pressure behavior and volume distribution in a model of the lung during artificial ventilation] Cancelli C, et al.
Minerva Anestesiol 37:2-47, Jan 71 (Ita)
[Possibilities of recovery after external cardiac massage of long duration. Presentation of 12 cases of external cardiac massage lasting more than 30 minutes with total recovery of normal functions of the CNS and other organs and systems] Damia GV, et al.
Minerva Anestesiol 36:350-2, Jun 70 (Ita)
[Resuscitation in a severe closed injury of the thorax with multiple rib fractures, fluctuating thoracic flap, bilateral pneumothorax, hemothorax, hemomediastinum, submucosal rupture of the trachea with subsequent cicatricial stenosis] Moreliato R, et al. Minerva Anestesiol 35:745-8, Jul 69 (Ita)
[Successful resuscitation in terminal hypercapnic coma due to mucoviscidosic bronchopneumonia] Porati U, et al. Minerva Anestesiol 35:741-4, Jul 69 (Ita)
[Mechanical artifical ventilation in intensive treatment of the Pickwick Syndrome] Sarcinelli L, et al.
Minerva Anestesiol 35:736-40, Jul 69 (Ita)
[Resuscitation in thoracic mobile flap fractures] Zaffiri O, et al. Minerva Anestesiol 35:1079-80, Oct 69 (Ita)
[Prolonged controlled respiration in a case of very severe bronchiolitis. Recovery] Galetti P, et al.
Minerva Pediatr 22:2382-8, 1 Dec 70 (Ita)
[Treatment of an acute case of tetanus] Inagaki M, et al.
Jap J Anesthesiol 19:1499-504, Dec 70 (Jap)
[Respiratory treatment of pulmonary failure] Nesje OA, et al. Nord Med 84:1360-6, 22 Oct 70 (Nor)
[Humidification of inspired air] Bo G.
Tidsskr Nor Laegeforen 91:1071-3, 20 May 71 (Nor)
[Artificial respiration technics in newborn infants] Feychting H.
Tidsskr Nor Laegeforen 91:1090-2, 20 May 71 (Nor)
[Respirator treatment in status asthmaticus] Hedstrand U.
Tidsskr Nor Laegeforen 91:1079-81, 20 May 71 (Nor)
[Repirator treatment in trauma] Holmdahl MH.
Tidsskr Nor Laegeforen 91:1083-7, 20 May 71 (Nor)
[Respirator treatment. Hygienic and bacteriological problems] Lystad A.
Tidsskr Nor Laegeforen 91:1073-6, 20 May 71 (Nor)
[Respirator treatment during anesthesia and postoperatively] Osterud A.
Tidsskr Nor Laegeforen 91:1081-3, 20 May 71 (Nor)
[Protracted experimental diffusion respiration] Danilin MA.
Eksp Khir Anesteziol 15:72-3, Jul-Aug 70 (Rus)
[Artificial ventilation of the lungs at the time of anesthesia in bronchoscopy] Kapkov LP, et al.
Eksp Khir Anesteziol 15:79-82, Sep-Oct 70 (Rus)
[Artificial lung ventilation and energy expenditures during anesthesia in orthopedic surgery] Meniailov NV. Eksp Khir Anesteziol 15:74-7, Nov-Dec 70 (Rus)
[Change in sympathetic and parasympathetic reactions in neuroleptanalgesia with myorelaxants and artificial ventilation of the lungs] Padalko VV, et al.
Eksp Khir Anesteziol 15:72-6, Mar-Apr 70 (Rus)
[Prolonged artificial respiration as a method of treating acute cardiac insufficiency in patients with congenital heart defects during the postoperative period] Bukharin VA, et al.
Grudn Khir 13:29-34, Mar-Apr 71 (Rus)
[Use of assisted artificial ventilation of the lung for prevention and correction of respiratory disorders at an early stage following thoracic surgery] Iurevich VM, et al. Grudn Khir 13:109-14, Jan-Feb 71 (Rus)
[Effectiveness of artificial ventilation in endotracheal anesthesia in the aged] Rabiner AP.
Klin Khir 9:30-3, Sep 70 (Rus)
[Construction of a mathematical model of artificial ventilation of the lungs in a form adequate for control purposes] Buriakov RI, et al.
Nov Med Priborostr 2:51-7, 1970 (Rus)
[Gas mixing in lungs during artificial ventilation] Cherkasova AA.
Nov Med Priborostr 2:86-91, 1970 (Rus)
[Synthesis of control by the biological object on the basis of a stochastic model] Iushkin AV.
Nov Med Priborostr 2:58-63, 1970 (Rus)
[Method of assisted lung ventilation in the prevention and treatment of postoperative respiratory disorders] Vorob'ev VM, et al.
Nov Med Priborostr 3:67-70, 1969 (Rus)
[Use of nomograms in the selection of the volume of artificial ventilation during anesthesia] Gologorskii VA, et al. Vestn Khir 106:94-9, Mar 71 (Rus)
[Mechanic artificial ventilation. 3. Selection of a method of artificial respiration] Cara M.
Rev Esp Anestesiol Reanim 17:247-56, Apr 70 (Spa)
[Mechanic artificial ventilation. I. Preoperative evaluation of cardiopulmonary function] López Merino V.
Rev Esp Anestesiol Reanim 17:222-33, Apr 70 (Spa)

ADVERSE EFFECTS

Effects of oxygen and ventilation on pulmonary mechanics and ultrastructure during cardiopulmonary bypass. Weedn RJ, et al.
Am J Surg 120:584-90, Nov 70
The effects in rats of increasing intensity of ultrasonic nebulization of water. Berry FA Jr, et al.
Anesth Analg (Cleve) 49:620-2, Jul-Aug 70
Incidence and pathogenesis of tracheal injury following cuffed tube tracheostomy with assisted ventilation: analysis of a two-year prospective study. Andrews MJ, et al. Ann Surg 173:249-63, Feb 71
Mechanical complications of artificial ventilation in the newborn. Relier JP. Biol Neonate 16:122-32, 1970
Long time results of respirator therapy. Stahlman M.
Biol Neonate 16:133-7, 1970
Respiratory causes of "sudden unexplained arrhythmia" in postthoracotomy patients. Osborn JJ, et al. Surgery 69:24-8, Jan 71
[Dilution hyponatremia in patients with respiratory failure under respirators] Ohresser P, et al.
Mars Med 107:903-5, 1970 (Fre)
[Physiopathology of oxygenation by artificial ventilation] Rondeau Y.
Union Med Can 97:1260-5, Sep 68 (Fre)
[Nil nocere Pulmonary damage due to oxygen administered during shock] Schwiete W, et al.
Munch Med Wochenschr 112:582-5, 27 Mar 70 (Ger)
[Artificial hyperventilation and live birth tests] Jobba G. Z Rechtsmed 67:119-24, 1970 (Ger)
[Pulmonary lesions associated with artificial ventilation] Witschel H, et al.
Z Rechtsmed 67:329-41, 1970 (Ger)
[Iatrogen infections at a hospital department for acute respiratory diseases] Losonczy G, et al.
Orv Hetil 111:2412-7, 11 Oct 70 (Hun)
[On bacterial contaminations in patients undergoing tracheostomy and mechanical respiration] Brandolini G, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:107+, 1969 (Ita)
[Antibiotic therapy in tracheotomized patients] Brandolini G, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:123+, 1969 (Ita)
[Obstetrical epiphyseal disjunction of the distal end of the humerus (case report)] Pirazzini R.
Chir Organi Mov 57:539-47, 1969 (Ita)
[Mechanic artificial ventilation. II. Physiopathology of artificial respiration. Methods of control] Chulia Campos V.
Rev Esp Anestesiol Reanim 17:233-47, Apr 70 (Spa)

HISTORY

[The "inventors" of mouth-to-mouth artificial respiration. Should not a despised post occupy a place of choice?] Mollaret P.
Presse Med 79:1251-4, 29 May 71 (Fre)

INSTRUMENTATION

The Brompton system of artificial ventilation. A scheme for the intensive care unit. English IC, et al.
Anaesthesia 25:541-7, Oct 70
Nonslipping, nonkinking airway connections for respiratory care. Eross B.
Anesthesiology 34:571-3, Jun 71
Oxygen fail-safe device for an anaesthetic apparatus. Rosen M, et al. Br J Anaesth 43:103-6, Jan 71
A disposable air filter. Zuck D.
Br J Anaesth 43:83, Jan 71
Collapsible airway for mouth-to-mouth resuscitation. Stolfi JE. JAMA 216:678, 26 Apr 71
Modifications of Sanders' technique of ventilation during bronchoscopy. Bradley JL, et al.
Thorax 26:112-4, Jan 71
[Device for artificial respiration in pressure chamber

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

under higher gas pressure during reanimation after the death from rapid decompression] Skuratovskii AS, et al. Fiziol Zh 17:276-7, Mar-Apr 71 (Ukr)

NURSING

Artificial ventilation. 3. Nursing care. Quarrell EJ. Nurs Times 66:1360-2, 22 Oct 70

UTILIZATION

[New viewpoints in treatment of severe clampsia (case contribution)] Hofmann R, et al. Geburtshilfe Frauenheilkd 31:30-3, Jan 71 (Ger)

RESPIRATORS (E2, E5)

A clinical method for the direct determination of oxygen uptake during respirator ventilation in the newborn and small infants. Okmian L, et al. Acta Anaesthesiol Scand 15:125-30, 1971

Mechanical determinants of inspired oxygen concentration in a pressure-cycled ventilator. Kotheimer TG Jr, et al. Am Rev Resp Dis 103:679-89, May 71

Isokapnic ventilation during surgical operations: description of equipment and first results. Keeri-Szanto M. Anesth Analg (Cleve) 49:406-12, May-Jun 70

Modification of the Bird Mark 4 anesthesia ventilator to a controlled-volume respirator. Kirby RR, et al. Anesth Analg (Cleve) 50:316-20, May-Jun 71

A new pediatric volume ventilator. Kirby RR, et al. Anesth Analg (Cleve) 50:533-7, Jul-Aug 71

A negative-pressure tank-type respirator for the neonate. Shepard FM. Anesth Analg (Cleve) 49:413-9, May-Jun 70

The sensitivities and response times of ventilatory assistors. Epstein RA. Anesthesiology 34:321-6, Apr 71

A carbon dioxide-mixing chamber--a simple device for continuous measurement of mean expired carbon dioxide. Jeretin S, et al. Anesthesiology 34:479-82, May 71

Absorption of anesthetics by conductive rubber in breathing circuits. Lowe HJ, et al. Anesthesiology 34:283-9, Mar 71

The ambulatory Bird ventilator. Sladen A, et al. Anesthesiology 33:666-8, Dec 70

Respiratory protection in toxic atmospheres. Turner D. Ann Occup Hyg 14:213-7, Jun 71

Practical problems associated with artificial ventilation in the newborn infant. Cooke R. Biol Neonate 16:60-73, 1970

Positive-pressure respirators, and description of the French machine RPR. Martin-Bouyer G. Biol Neonate 16:16-23, 1970

Description and utilization of the negative pressure apparatus. Stern L. Biol Neonate 16:24-9, 1970

Methods of artificial ventilation in the newborn (IPPV). Swyer PR. Biol Neonate 16:3-15, 1970

Volumeter attachment on Boyle circle absorber. Campbell DI. Br J Anaesth 43:206, Feb 71

Hand or machine? A second look at ventilators. Fletcher RH. Br J Anaesth 43:821, Aug 71

The Cardiff Penthrane Inhaler. A vaporizer for the administration of methoxyflurane as an obstetric analgesic. Jones PL, et al. Br J Anaesth 43:190-9, Feb 71

Cardiff infant inflating bag. Mushin WW, et al. Br Med J 4:622-3, 5 Dec 70

A new paediatric ventilator. Carden E. Can Anaesth Soc J 18:215-24, Mar 71

Miniature ventilators with interrupted non-rebreathing circle systems and other anaesthetic circuits. Fortin G, et al. Can Anaesth Soc J 17:613-23, Nov 70

The controlled use of copper as an antibacterial agent in respiratory therapy apparatus. Bloomfeld J, et al. Chest 60:202-4, Aug 71

Antibacterial action of copper in respiratory therapy apparatus. Deane RS, et al. Chest 58:373-7, Oct 70

Copper as a bacteriostatic agent. Kittredge P, et al. Chest 60:111-2, Jul 71

A comparative study of pulmonary and circulatory effects of extrathoracic assisted breathing and intermittent positive pressure breathing. Cook TI, et al. Int Surg 56:63-7, Aug 71

Common misconceptions in inhalation therapy. IV. Respirators and their applications. Tysinger DS Jr. J Med Assoc State Ala 40:644-9, Apr 71

A respiratory pump controlled by phrenic nerve activity. Huszczuk A. J Physiol (Lond) 210:183P+, Sep 70

Comparative study of two hand-held respirators. Morris JF, et al. JAMA 211:802-6, 2 Feb 70

Retrograde spread of organisms from ventilator to patient via the expiratory limb. Babington PC, et al. Lancet 1:61-2, 9 Jan 71

The Bird Mark 7 Ventilator. Gaskell D. Physiotherapy 56:360-4, Aug 70

Artificial respiration in a case of acute dry tracheobronchitis. Hazewinkel RO, et al. Pract Otorhinolaryngol (Basel) 32:189-92, 1970

Protection of dockyard workers against asbestosis. Harries PG. Proc R Soc Med 63:1015, Oct 70

Physical principles of ultrasonic aerosol generation for disinfection. Herzog P, et al. Proc R Soc Med 63:911-3, Sep 70

Physical principles of mist sterilization. Robinson JS. Proc R Soc Med 63:910-1, Sep 70

High efficiency personal protection: some new materials and methods. Schwabe PH. Proc R Soc Med 63:1022-4, Oct 70

Sterilization of pulmonary ventilators. Whitby JL. Proc R Soc Med 63:909-10, Sep 70

[A baby respirator without moving parts] Benveniste D, et al. Nord Med 84:1639, 17 Dec 70 (Dan)

[Humidification in artificial ventilation] Radiguet de la Bastaie P. Anesth Analg (Paris) 27:759-74, Sep-Oct 70 (Fre)

[What respirators must be used in postoperative respiratory resuscitation?] Lareng L, et al. Can Anesthesiol 19:221-4, Mar 71 (Fre)

[Respirators] Poisvert M, et al. Laval Med 41:1126-33, Nov 70 (Fre)

[Treatment of severe chronic respiratory insufficiency patients with respirators at home. Indications and conditions of efficiency] Levi-Valensi P, et al. Presse Med 79:1350, 12 Jun 71 (Fre)

[Mechanism of reaction of respiratory gases on potassium superoxide, in closed circle respirators] Ducros H, et al. Rev Corps Sante Armees 11:887-903, Dec 70 (Fre)

[Output of some respirator humidifiers] Eisterer H, et al. Anaesthesist 20:107-9, Mar 71 (Ger)

[Function of small respirators for ventilation during general anesthesia] Heitmann HB. Anaesthesist 19:397-401, Oct 70 (Ger)

[Howell ventilator--a volume-controlled apparatus for ventilation during anesthesia] Nolte H, et al. Anaesthesist 19:402-8, Oct 70 (Ger)

[The Takaoka-respirator] Stoffregen J, et al. Anaesthesist 20:70-3, Feb 71 (Ger)

[Valveless narcosis and respiration system in pediatric bronchologic examinations] Weissig H, et al. Dtsch Gesundheitsw 26:1409-10, 22 Jul 71 (Ger)

[The Takaoka respirator and its advantageous use in certain intrathoracic operations] Stoffregen J, et al. Thoraxchirurgie 17:531-3, Dec 69 (Ger)

[Diuresis and mechanical respiration] Mangiavacchi E, et al. Acta Anaesthesiol (Padova) 20:309-19, Mar-Apr 69 (Ita)

[Technical trends in instrumental resuscitation. (Problems of its use in first aid). Apparatus, technics and related problems in respiratory and cardiocirculatory resuscitation] Malin L, et al. Arcisp S Anna Ferrara 22:393-462, 1969 (Ita)

[Automatic respirator for oxygenation and anesthesia of small animals] Garozzo A, et al. Clin Otorinolaringoiatr 21:284-9, Jul-Aug 69 (Ita)

[Blease Pulmoflators Series 5000] Zaffiri O, et al. Minerva Anestesiol 36:728-32, Nov 70 (Ita)

[Case of severe tetanus successfully treated with extended respiratory care] Furuya Y, et al. Jap J Anesthesiol 20:448-52, May 71 (Jap)

[Respiratory for small animals] Morioka T, et al. Jap J Anesthesiol 20:460-4, May 71 (Jap)

[Miniventiladores. A clinical evaluation] Gonçalves B, et al. Rev Bras Anestesiol 20:448-61, Oct-Dec 70 (Por)

[Modernization of the M-297 artificial respirator for use in microelectrode studies] Avelev VD, et al. Fiziol Zh SSSR 56:124-6, Jan 70 (Rus)

[Apparatus for resuscitation and treatment in acute oxygen insufficiency] Cherniakhovskii FR, et al. Nov Med Priborostr 2:150-6, 1970 (Rus)

[Method of choosing the characteristics of inspiration generators in apparatus for artificial ventilation of lungs] Gal'perin IuSh. Nov Med Priborostr 2:73-8, 1970 (Rus)

[Some problems of the physiological qualities of apparatus for artificial ventilation of the lungs] Gal'perin IuSh. Nov Med Priborostr 2:64-72, 1970 (Rus)

[Use of the RD-3 apparatus for artificial ventilation of the lungs] Kaverina KP, et al. Nov Med Priborostr 2:108-9, 1970 (Rus)

[RPG-3 ventilometer] Perel'mutr AS, et al. Nov Med Priborostr 2:18-21, 1970 (Rus)

[RD-2 apparatus for artificial ventilation of the lungs] Soms MK, et al. Nov Med Priborostr 2:79-85, 1970 (Rus)

[Approximate calculation of the jet deviation in a memory element with positive reverse connections] Trushin AI, et al. Nov Med Priborostr 2:97-102, 1970 (Rus)

[TD-3 apparatus for artificial ventilation of the lungs] Trushin AI, et al. Nov Med Priborostr 2:92-6, 1970 (Rus)

[Use of the DP-8 respirator in anesthesiologic practice] Ivannikov NF, et al. Vestn Khir 103:122-3, Aug 69 (Rus)

[An improved tracheostomy tube for artificial machine-assisted respiration] Krekotnev AIa. Voen Med Zh 6:70, Jun 70 (Rus)

[Mechanic artificial ventilation. 3. Selection of a method of artificial respiration] Cara M. Rev Esp Anestesiol Reanim 17:247-56, Apr 70 (Spa)

ADVERSE EFFECTS

Aneurysm of ventilator tubing. A warning. Cozanitis DA, et al. Anaesthesia 26:235-6, Apr 71

Case report: bilateral tension pneumothorax from mechanical failure of anesthesia machine due to misplaced expiratory valve. Dean HN, et al. Anesth Analg (Cleve) 50:195-8, Mar-Apr 71

Ambu valve: danger of wrong assembly. Grogono AW, et al. Br J Anaesth 42:978, Nov 70

Hazard of self-inflating resuscitation bag. Baxter PJ, et al. Br Med J 2:589, 5 Jun 71

Reduced infection hazard during mechanical ventilation. Petty TL. Chest 58:317-8, Oct 70

[Respiratory disturbances in blunt thoracic trauma. Results of respirator ventilation] Benzer H, et al. Pneumonologie 143:295-8, 1970 (Ger)

[Iatrogen infections at a hospital department for acute respiratory diseases] Losonczy G, et al. Orv Hetil 111:2412-7, 11 Oct 70 (Hun)

[Tracheobronchial epithelium alterations in tracheotomized patients using automatic respirators] Gianasi GC, et al. Minerva Anestesiol 37:174-9, Apr 71 (Ita)

CLASSIFICATION

A new classification of ventilators based on methods of sterilisation. Fisher MF, et al. Anaesthesia 26:92, Jan 71

INSTRUMENTATION

An inexpensive portable inhalation chamber. Laskin S, et al. Am Ind Hyg Assoc J 31:645-6, Sep-Oct 70

Comparison of respirator filter penetration by dioctyl phthalate and sodium chloride. Mitchell RN, et al. Am Ind Hyg Assoc J 32:357-64, Jun 71

A simple exposure chamber for gas inhalation experiments with small animals. P'an AY, et al. Am Ind Hyg Assoc J 31:647-9, Sep-Oct 70

A variable-deadspace device for use with the Engström respirator. Jeretin S, et al. Anesthesiology 34:576-7, Jun 71

A respirator alarm for general use. Sawa T, et al. Anesthesiology 33:658-61, Dec 70

Biological evaluation of a disposable membrane oxygenator. Douglas M, et al. Arch Surg 103:89-92, Jul 71

An improvised "Q" circuit for the Bird ventilator. Singh A. Br J Anaesth 43:521-2, May 71

An optimally controlled respirator. Mitamura Y, et al. IEEE Trans Biomed Eng 18:330-7, Sep 71

A simple modification of existing respirators to provide constant positive-pressure breathing. Trinkle JK, et al. J Thorac Cardiovasc Surg 61:617-8, Apr 71

Ventitube for providing oxygen-enriched air. Stoddart JC. Lancet 1:81, 9 Jan 71

Tailorable oxygen concentration from the Bird ventilator. Alfred EE, et al. Med J Aust 2:830-1, 31 Oct 70

[Evaluation of the technical properties and functions of the automatic respirators and considerations on their clinical use] Urso L, et al. Acta Anaesthesiol (Padova) 20:287-308, Mar-Apr 69 (Ita)

[Use of the Takaoka 840 respirator in anesthesia] Nicoletti RL, et al. Rev Bras Anestesiol 20:179-87, Apr-Jun 70 (Por)

STANDARDS

Clinical and mechanical evaluation of an A.E. gas machine for obstetric analgesia and anesthesia. Hanisch EC, et al. Anesth Analg (Cleve) 50:190-4, Mar-Apr 71

The need for standards of performance. Cheney FW. Anesthesiology 34:307-8, Apr 71

A safety modification of the Emerson Postoperative Ventilator. Dunbar RW, et al. Anesthesiology 33:555-6, Nov 70

Pressures of tracheostomy cuffs in ventilated patients. Nealon TF Jr, et al. NY State J Med 71:1923-8, 15 Aug 71

UTILIZATION

[Various physical phenomena associated with the use of the Takaoka respirator] Hay WW. Rev Bras Anestesiol 20:188-92, Apr-Jun 70 (Por)

RESPIRATORY ACIDOSIS see ACIDOSIS, RESPIRATORY (C5)

RESPIRATORY DISTRESS SYNDROME (C5, C16)

see also related HYALINE MEMBRANE DISEASE (C5, C16)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Follow-up of infants with the idiopathic respiratory distress syndrome (IRDS). Victorin L, et al. Acta Paediatr Scand 60:102-3, Jan 71
Evaluation of survivors of respiratory distress syndrome at 4 years of age. Ambrus CM, et al. Am J Dis Child 120:296-302, Oct 70
Paraquat poisoning as an experimental model of idiopathic respiratory distress. Ivemark B, et al. J Pathol 101:P3, Aug 70
Studies on infants with type II respiratory distress syndrome. Sundell H, et al. J Pediatr 78:754-64, May 71
Benign unexplained respiratory distress of the newborn infant. Taylor PM, et al. Pediatr Clin North Am 18:975-1004, Aug 71
Automated blood analysis: success or excess? Cook CD. Pediatrics 48:1-2, Jul 71
[Preventive treatment of acute renal insufficiency in patients with multiple injuries with thoracic injury involvement] Lareng L, et al. Anesth Analg (Paris) 27:951-60, Nov-Dec 70 (Fre)
[Respiratory distress syndrome in the newborn. Newer aspects of etiology and pathogenesis] Mietens C. Med Welt 1:14-9, 2 Jan 71 (Ger)
[Massive aspiration of the amniotic fluid] Adachi T. Sanfujinka Jissai 20:628-32, Jun 71 (Jap)
[Massive aspiration syndrome] Shimada N. Sanfujinka Jissai 20:654-61, Jun 71 (Jap)

BLOOD

The arterial sampling for assessment of PaO2, PaCO2, acid-base balance, etc. Couchard M, et al. Biol Neonate 16:74-80, 1970
[Study of oxygen partial pressure in the arterial blood in newborn infants with respiratory distress] Ponté C, et al. Lille Med 15:1375-80, Dec 70 (Fre)
[Respiratory distress syndrome and disseminated intravasal clotting] Künzer W, et al. Dtsch Med Wochenschr 95:2141-4, 16 Oct 70 (Ger)
[Fibrinolysis in respiratory distress syndrome. Plasminogen levels in the plasma of premature infants] Karitzky D, et al. Thromb Diath Haemorrh 24:17-25, 31 Oct 70 (Ger)
[Value of acid-base equilibrium and arterial oxygen tension as a prognostic index in the idiopathic respiratory distress syndrome of the newborn] Bancalari E, et al. Rev Chil Pediatr 41:957-65, Oct 70 (Spa)

CHEMICALLY INDUCED

Paraquat-induced respiratory distress in the rat (film). Ivemark B, et al. Acta Pathol Microbiol Scand [A] 78:495, 1970
Lung changes and chemotherapeutic agents in childhood. Report of a case associated with cyclophosphamide therapy. Rodin AE, et al. Am J Dis Child 120:337-40, Oct 70

COMPLICATIONS

Neonatal pneumopericardium. Gershanik JJ. Am J Dis Child 121:438-9, May 71
Wilson-Mikity syndrome followed by "idiopathic" pulmonary hemosiderosis. Wang AH, et al. J Pediatr 78:503-6, Mar 71
Perinatal tips. Zavell PM. Mich Med 70:402, May 71
Extralobar lung sequestration associated with fatal neonatal respiratory distress. Bliek AJ, et al. Thorax 26:125-30, Jan 71
[Alkalinization in the delivery room of the frail newborn infant] Marchal C, et al. Presse Med 79:863-6, 17 Apr 71 (Fre)
[Obstructive syndrome in children] Michaličková J. Bratisl Lek Listy 55:19-26, 1971 (Slo)

DIAGNOSIS

Aortic blood pressure in infants admitted to a neonatal intensive care unit. Hall RT, et al. Am J Dis Child 121:145-7, Feb 71
Diagnosis of the respiratory distress syndrome by amniocentesis. Gluck L, et al. Am J Obstet Gynecol 109:440-5, 1 Feb 71
Absence of respiratory distress syndrome in premature infants of heroin-addicted mothers. Glass L, et al. Lancet 2:685-6, 25 Sep 71
The critically ill child: the respiratory distress syndrome of the newborn. Brumley GW. Pediatrics 47:758-69, Apr 71

DRUG THERAPY

The action of estrogens on the vasculature. Rizk PT, et al. J Med Liban 23:445-50, 1970
Effects of orciprenaline (Alupent) in newborn infants of low birth weight. Helwig H, et al. Z Kinderheilkd 109:76-82, 1970
[THAM-elimination in premature infants] Keilner R. Dtsch Gesundheitsw 26:361-4, 18 Feb 71 (Ger)
[Alkalizing treatment of the respiratory syndrome of the newborn] Gaioni L, et al. Minerva Pediatr 22:1366-77, Jul 70 (Ita)

ETIOLOGY

'Alveolar' and whole lung phospholipids of premature newborn lambs. Correlations with surface tension, respiratory distress and pathology. Adams FH, et al. Biol Neonate 17:198-218, 1971
Hypercoagulability in premature infants with special reference to the respiratory distress syndrome and hemorrhage. I. Coagulation studies. Markarian M, et al. Biol Neonate 17:84-97, 1971
Decortication for trapped lung in the newborn infant. Davies AL, et al. J Thorac Cardiovasc Surg 60:600-2, Oct 70
[Etiology of the respiratory distress syndrome] Vapaavuori EK. Duodecim 87:853-60, 1971 (Fin)
[Asphyxiating cystic pulmonary malformation in newborn infants. Relations with the adenomatoid malformation of the lung] Benatre A, et al. Arch Fr Pediatr 27:821-8, Oct 70 (Fre)
[Cholestatic icterus of the infant revealing mucoviscidosis] Jean R, et al. Arch Fr Pediatr 27:849-57, Oct 70 (Fre)
[A special therapeutic emergency: Pierre Robin syndrome; its treatment by hyomandibulopexy] Bergoin M, et al. J Fr Otorhinolaryngol 18:747-9, Dec 69 (Fre)
[Neonatal respiratory distress due to suffocating pneumothorax following esophageal perforation] Béraud C, et al. J Radiol Electrol Med Nucl 50:638-40, Aug-Sep 69 (Fre)
[Malformative lobar emphysema in infants] Morin M, et al. J Radiol Electrol Med Nucl 52:288-90, May 71 (Fre)
[Renal gigantism] Roy R. Laval Med 40:278, Mar 69 (Fre)
[Adenomatoid lung malformation in newborn infants] Gilliot F, et al. Pediatrie 24:645-53, Sep 69 (Fre)
[Idiopathic respiratory distress syndrome in premature infants] Weisser K. Anaesthesist 19:101-5, Mar 70 (Ger)
[Thyroidectomy as an emergency] Kott I, et al. Harefuah 79:75-6, 15 Jul 70 (Heb)
[Pathogenetic basis of treating respiratory insufficiency in newborns with lung diseases] Sotnikova KA, et al. Vopr Okhr Materin Det 15:3-7, Jun 70 (Rus)
[Radiological aspects of massive pulmonary hemorrhage in the newborn (report of three surviving cases)] Loher E, et al. Ann Radiol (Paris) 14:147-54, Mar-Apr 71 (Mul)

METABOLISM

Fibrinogen turnover in the premature infant with and without idiopathic respiratory distress syndrome. Karitzky D, et al. Acta Paediatr Scand 60:465-70, Jul 71
[Acid-base equilibrium indices in premature newborns with a respiratory disturbance syndrome] Kogan IF. Vopr Okhr Materin Det 15:6-11, Nov 70 (Rus)

MORTALITY

[Perinatal mortality in newborn infants due to biochemical trauma] Maszkiewicz W, et al. Pol Tyg Lek 26:703-6, 10 May 71 (Pol)

PATHOLOGY

Ultrastructure of the alveolar epithelium and the alveolar lining layer in paraquat-induced experimental respiratory distress. Modée J, et al. Acta Pathol Microbiol Scand [A] 79:311, 1971
Lung pathology in respiratory distress following shock in the adult. Oreli SR. Acta Pathol Microbiol Scand [A] 79:65-76, 1971
Adult respiratory distress syndrome. Am J Med 50:521-9, Apr 71
Perinatal pathology of costochondral junction in relation to pulmonary hyaline membranes. Ivemark BI, et al. Arch Dis Child 45:711, Oct 70
The association between trabecular rarefaction in the costochondral junction and the idiopathic respiratory distress syndrome. Robertson B, et al. Biol Neonate 16:342-53, 1970
Wilson-Mikity syndrome in a full-term male twin. Keidel WN, et al. Pediatrics 47:779-81, Apr 71
[Electron microscopic observation on osmiophilic lamellar body of the lung of human fetus and of premature infants with idiopathic respirator distress syndrome] Nakamura T. J Jap Med Assoc 66:52-8, 1 Jul 71 (Jap)

PHYSIOPATHOLOGY

Lung mechanics in infants recovering from respiratory distress syndrome. Spoelstra AJ, et al. Biol Neonate 17:321-45, 1971
[Idiopathic respiratory distress of the newborn infant--symptoms and respiratory care] Minami T. Sanfujinka Jissai 20:649-53, Jun 71 (Jap)
[Cardiovascular system in newborns in perinatal respiratory distress syndrome] Rogoza Z. Pol Tyg Lek 26:237-9, 15 Feb 71 (Pol)

PREVENTION & CONTROL

Hypercoagulability in premature infants with special reference to the respiratory distress syndrome and hemorrhage. II. The effect of heparin. Markarian M, et al. Biol Neonate 17:98-111, 1971
[Prevention and treatment of massive aspiration syndrome] Kudo T, et al. Sanfujinka Jissai 20:621-7, Jun 71 (Jap)

RADIOGRAPHY

An improved method of radiographing premature infants in the nursery. White JD, et al. Radiology 100:696-8, Sep 71
[Stage I of idiopathic respiratory distress in the premature infant. Diagnostic and prognostic value] Rémy J, et al. Ann Radiol (Paris) 13:645-50, 1970 (Fre)
[Pulmonary radiography in respiratory distress syndrome in premature infants] Gros C, et al. J Radiol Electrol Med Nucl 50:Suppl 5:369+, May 69 (Fre)
[Differential diagnostic elements in the acute respiratory syndrome of the newborn] Raboni F, et al. Ann Radiol Diagn (Bologna) 42:539-51, Sep 69 (Ita)

SURGERY

Subdiaphragmatic total anomalous pulmonary venous drainage: report of a successful surgical correction. Joffe HS, et al. Am Heart J 81:250-4, Feb 71

THERAPY

Evaluation of survivors of Respiratory Distress Syndrome at 4 years of age. Ambrus CM, et al. Am J Dis Child 120:296-302, Oct 70
Ophthalmoscopic monitoring of oxygen therapy in premature infants. Fluorescein angiography in acute retrolental fibroplasia. Cantolino SJ, et al. Am J Ophthalmol 72:322-31, Aug 71
A new pediatric volume ventilator. Kirby RR, et al. Anesth Analg (Cleve) 50:533-7, Jul-Aug 71
Mechanical ventilation of newborn infants. V. Five years' experience. Daily WJ, et al. Anesthesiology 34:132-8, Feb 71
Mechanical ventilation of newborn infants. 3. Historical comments and development of a scoring system for selection of infants. Daily WJ, et al. Anesthesiology 34:119-26, Feb 71
Mechanical ventilation of the newborn. Downes JJ. Anesthesiology 34:116-8, Feb 71
Mechanical ventilation of newborn infants. IV. Technique of controlled intermittent positive-pressure ventilation. Smith PC, et al. Anesthesiology 34:127-31, Feb 71
A controlled trial of assisted ventilation using an oro-nasal mask. Llewellyn MA, et al. Arch Dis Child 45:453-9, Aug 70
Mechanical ventilation in the respiratory distress syndrome: a controlled trial. Murdock AI, et al. Arch Dis Child 45:624-33, Oct 70
Ventilator therapy in the newborn. Some mechanical considerations. Picton-Warlow CG. Arch Dis Child 45:460-5, Aug 70
Pulmonary complications of oxygen therapy in the neonate. Postmortem study of bronchopulmonary dysplasia with emphasis on fibroproliferative obliterative bronchitis and bronchiolitis. Anderson WR, et al. Arch Pathol 91:506-14, Jun 71
Methods of artificial ventilation in the newborn (IPPV). Swyer PR. Biol Neonate 16:3-15, 1970
On the treatment of the idiopathic respiratory distress syndrome. Reflections on progress toward a rational future therapy. Shanklin DR. Clin Pediatr (Phila) 10:434-8, Aug 71
Tracheal intubation for respiratory distress in infants and children. Herbert W, et al. Int Anesthesiol Clin 8:925-32, Winter 70
Studies of a membrane oxygenator for prolonged respiratory support. White JJ, et al. J Pediatr Surg 5:610-9, Dec 70
Respiratory distress syndrome and continuous positive airway pressure. Lancet 2:477-8, 28 Aug 71
Treatment of the idiopathic respiratory-distress syndrome with continuous positive airway pressure. Gregory GA, et al. N Engl J Med 284:1333-40, 17 Jun 71
Andrea: a study in co-operation. Nurs Times 67:133-7, 4 Feb 71
An automatic oxygen control system for infants. Beran AV, et al. Pediatrics 48:315-8, Aug 71
The critically ill child: the respiratory distress syndrome of the newborn. Brumley GW. Pediatrics 47:758-69, Apr 71
Positive transpulmonary airway pressure. Oliver TK Jr. Pediatrics 48:175-7, Aug 71
A system for computerized automated blood gas analysis. Its use in newborn infants with respiratory distress. Veasy LG, et al. Pediatrics 48:5-17, Jul 71
Modern management of oxygen therapy in the newborn. Tizard JP. Proc R Soc Med 64:771-3, Jul 71
Prolonged respiratory support in newborn infants with a membrane oxygenator. White JJ, et al. Surgery 70:288-96, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Umbilical catheterization. Technic, indications and results. II. Arterial catheterization] Couchard M.
Arch Fr Pediatr 27:905-16, Nov 70 (Fre)
[Neonatal deglutition disorders: emergency measures upon admission] Unnal.
J Fr Otorhinolaryngol 18:731-2, Dec 69 (Fre)
[Resuscitation of the newborn] Pichon R.
Maroc Med 49:428-36, Jul 69 (Fre)
[Metabolic and circulatory resuscitation in normally formed infants born at term] Martin C.
Sem Hop Paris 43:2115-8, 10 Jul 67 (Fre)
[Symposium on fetal distress. Reanimation of the newborn] Carignan G.
Union Med Can 98:1721-3, Oct 69 (Fre)
[Symposium on fetal distress. Respiratory distress and neonatal care] Picard JL.
Union Med Can 98:1724-7, Oct 69 (Fre)
[Mortality of premature infants before and after the treatment of respiratory distress syndrome] Sinios A.
Monatsschr Kinderheilkd 119:32-6, Jan 71 (Ger)
[Tracheal intubation in a premature infant with serious respiratory insufficiency (technical note)] Minoli I.
Clin Pediatr (Bologna) 51:169-73, Mar 69 (Ita)
[Modern fetal-neonatal resuscitation technics] Margaria E, et al.
Minerva Anestesiol 37:180-9, Apr 71 (Ita)
[Controlled ventilation in the respiratory syndrome of premature infants] Bevilacqua G, et al.
Minerva Pediatr 22:1383-7, 14 Jul 70 (Ita)
[Prevention and treatment of massive aspiration syndrome] Kudo T, et al.
Sanfujinka Jissai 20:621-7, Jun 71 (Jap)
[Idiopathic respiratory distress of the newborn infant--symptoms and respiratory care] Minami T.
Sanfujinka Jissai 20:649-53, Jun 71 (Jap)
[Pathogenetic basis of treating respiratory insufficiency in newborns with lung diseases] Sotnikova KA, et al.
Vopr Okhr Materin Det 15:3-7, Jun 70 (Rus)
[Pulmonary complications following assisted ventilation for the respiratory distress syndrome] Tucker AS, et al.
Ann Radiol (Paris) 14:143-6, Mar-Apr 71 (Mul)

RESPIRATORY FAILURE see RESPIRATORY INSUFFICIENCY (C5)

RESPIRATORY FUNCTION TESTS (E1)

Expiratory flow rates determined by wedge and water spirometer in children and young adults. Levison H, et al. Acta Paediatr Scand 59:648-52, Nov 70
Acute effects of air blast on pulmonary function in dogs and sheep. Damon EG, et al. Aerosp Med 42:1-9, Jan 71
Routine pulmonary function studiess a key to the status of the lesser circulation in chronic obstructive pulmonary disease. Emirgil C, et al.
Am J Med 50:191-9, Feb 71
Pulmonary function testing. Foley MF.
Am J Nurs 7:1134-9, Jun 71
Assessment of pulmonary function in postoperative patients using a simple apparatus--the McKesson vitalor. Sheiner NM, et al. Am J Surg 120:714-7, Dec 70
A mobile respiratory screening console. Beumer HM, et al. Am Rev Resp Dis 102:987-8, Dec 70
Intrapulmonary gas distribution. A comparison of the helium mixing time and nitrogen single breath test in normal and diseased subjects. Hathirat S, et al.
Am Rev Resp Dis 102:750-9, Nov 70
Measurement of the total lung capacity by helium dilution in a constant volume system. Hathirat S, et al.
Am Rev Resp Dis 102:760-70, Nov 70
Use of closed circuit television and dual trace oscilloscopy to facilitate body plethysmography measurements. Ledwith JW, et al.
Am Rev Resp Dis 103:68-75, Jan 71
Ethnic variation in forced expiratory volume and forced vital capacity of African and Indian adults in Guyana. Miller GJ, et al.
Am Rev Resp Dis 102:979-81, Dec 70
Estimation of respiratory drive with carbon dioxide and helium. Grant JL, et al.
Ann Intern Med 74:62-6, Jan 71
Differential lung function measured at diagnostic bronchoscopy. Sanderson DR, et al.
Ann Otol Rhinol Laryngol 79:953-7, Oct 70
A computer analysis of pulmonary function in surgical patients. Neely WA, et al.
Ann Thorac Surg 11:565-9, Jun 71
Mechanical properties of the lung in cynomolgus monkeys. Measurement with real-time digital computerization. Alarie Y, et al.
Arch Environ Health 22:643-54, Jun 71
Long-term continuous exposure of guinea pigs to sulfur dioxide. Alarie Y, et al.
Arch Environ Health 21:769-77, Dec 70
Correlation of anthropometry and simple tests of pulmonary function. Ferris BG Jr, et al.
Arch Environ Health 22:672-6, Jun 71
Pulmonary extravascular fluid volume and hypoxaemia in myocardial infarction. Sutherland PW, et al.
Aust NZ J Med 1:141-5, May 71
Method of measurement of circulatory and respiratory function based on the electronic technique. Goszcz W, et al. Bull Pol Med Sci Hist 14:37-42 passim, Jan 71
Evaluation of QRS criteria in patients with chronic obstructive pulmonary disease. Silver HM, et al.
Chest 59:153-9, Feb 71
Clinical experience with a new test of pulmonary function. Sobol BJ. Chest 60:137-41, Aug 71
Cigarette smoking and pulmonary diffusing capacity. Van Ganse WF, et al. Chest 59:Suppl:33S, May 71
Gamma densitometry in the study of ventilation and the pulmonary circulation. Cattrell VG, et al.
Clin Radiol 21:396-402, Oct 70
A computer program for computation and interpretation of pulmonary function data. Rosner SW, et al. Comput Biomed Res 4:141-56, Apr 71
Lung function in the elderly. Michie I.
Gerontol Clin (Basel) 13:125-35, 1971
Pulmonary function tests in the early recognition and control of industrial pulmonary disease. Galphin RL Jr. Ind Med Surg 40:27-9, Jun 71
Circulatory and respiratory adjustments during severe chronic anaemia. Gopinath P, et al.
Indian J Med Res 59:461-6, Mar 71
Increased pulmonary diffusing capacity and elevated cerebrospinal fluid pressure. Brashear RE, et al.
J Appl Physiol 30:844-6, Jun 71
A bloodless method for measurement of diffusing capacity of the lungs for oxygen. Rosenhamer GJ, et al. J Appl Physiol 30:603-10, May 71
Methods of predicting vital capacity in patients with thoracic scoliosis. Johnson BE, et al.
J Bone Joint Surg [Am] 52:1433-9, Oct 70
[Possibilities of evaluating the separate ventillation of both lungs by measuring deep impedance variations during respiration. Gougerot, et al.
J Fr Med Chir Thorac 23:595-603, Sep-Oct 69
Nitrogen washout estimations on new-born infants. Bolton DP, et al. J Physiol (Lond) 208:6P-7P, May 70
The acute physiological, pharmacological and immunological effects of inhaled cotton dust in normal subjects. Edwards J, et al.
J Physiol (Lond) 208:63P-64P, Jun 70
Oxygen intake and cardiac output during maximal treadmill and bicycle exercise. Miyamura M, et al.
J Physiol Soc Jap 33:364-5, 1971
The work of breathing in moderate hypovolemia and hypervolemia. Schmitz UT, et al.
J Trauma 11:340-6, Apr 71
Preoperative pulmonary evaluation and therapy for surgery patients. Stein M, et al.
JAMA 211:787-90, 2 Feb 70
Recording of respiration by electrical impedance change from the dogfish in sea water. Amend JF, et al.
Med Biol Eng 8:145-8, Mar 70
The law of immpedance pneumography. Valentinuzzi ME, et al. Med Biol Eng 9:157-63, May 71
Analog computer for on-line determinations of ventilatory power, work, and volume. VanBergen FH, et al. Med Res Eng 9:7-13, Dec 70
Pulmonary function in thoracic scoliosis, before and after corrective surgery. Westgate HD.
Minn Med 53:839-47, Aug 70
Use of pulmonary function tests in asthma and cystic fibrosis. Featherby EA. Proc R Soc Med 64:582, May 71
Estimation of the pulmonary diffusing capacity for O 2 by a rebreathing procedure. Piper J, et al.
Resp Physiol 12:157-62, Jun 71
Relationship between orthostatic changes of pulmonary diffusing capacity and haemodynamics of lesser circulation. Jebavý P, et al.
Respiration 28:101-13, 1971
Reproducibility of the carbon monoxide diffusion capacity method. Lopez-Majano V.
Respiration 28:114-9, 1971
Correlation between predicted and measured carbon dioxide tension. Lopez-Majano V.
Respiration 28:31-5, 1971
Methods for evaluation of pulmonary function in infants and preschool children. Wenner J.
Respiration 27:Suppl:54-62, 1970
Variability of plethysmographic measurements of airway resistance during the day in normal subjects and in patients with bronchial asthma and chronic bronchitis. Zedda S, et al. Respiration 28:158-66, 1971
On-line monitoring of respiration. Technical advances facilitate automatic detection and measurement of abnormal ventilation. Saklad M.
RI Med J 53:487-90 passim, Sep 70
Lung function in silicosis in South African goldminers. Sluis-Cremer GK. S Afr Med J 44:1391-3, 12 Dec 70
Distribution of pulmonary blood flow during the valsalva and Müller maneuvers. Bake B.
Scand J Clin Lab Invest 27:307-14, Jun 71
Residual volume determined by single breath dilution of helium at various apnoea times. Van Ganse W, et al.
Scand J Resp Dis 51:73-81, 1970
Alveolar volume and transfer factor determined by single breath dilution of a test gas at various apnoea times. Van Ganse W, et al.
Scand J Resp Dis 51:82-92, 1970
[Current diagnostic methods in respiratory diseases and thoracic surgery] Shoshkov S, et al.
Khirurgiia (Sofiia) 22:474-83, 1969 (Bul)
[Changes in pulmonary ventilation and respiration from the aspect of regular check-up examinations of patients operated on cancer of the lungs] Navrátil M, et al. Cas Lek Cesk 110:289-94, Mar 71 (Cze)
[Regional lung function test for clinical use] Juhl B.
Nord Med 85:756, 17 Jun 71 (Dan)
[Significance of normal and pathologic values in pulmonary function tests] Petit JM, et al.
Acta Tuberc Pneumol Belg 61:7-14, Jan-Apr 70 (Fre)
[Respiratory function in scleroderma. Methods of exploration] Moulin G, et al.
Ann Dermatol Syphiligr (Paris) 97:375-80, 1970 (Fre)
[Physiological variations of the right venous return recorded by transcutaneous route at the level of the internal jugular vein (respiratory variations)] Kalmanson D, et al.
Arch Mal Coeur 62:1293-310, Sep 69 (Fre)
[Respiratory function tests: interpretation of results; practical applications to industrial medicine] Meunier-Carus J, et al.
Arch Mal Prof 31:123-32, Mar 70 (Fre)
[Functional pulmonary exploration by the general practitioner] Boget JC.
Bord Med 3:3033-40 passim, Dec 70 (Fre)
[Problems of respiratory function. Function tests: what can one expect from them?]
Can Anesthesiol 18:899-924, Nov 70 (Fre)
[Idiopathic pulmonary hemosiderosis: study of respiratory parameters and iron metabolism] Hugues FC, et al. Coeur Med Interne 8:339-50, Jul 69 (Fre)
[Pulmonary exploration by means of radioactive gases] Besombes JP, et al.
J Fr Med Chir Thorac 24:657-78, Sep-Oct 70 (Fre)
[Problems of detection and collimation in pulmonary isotopic exploration] Freour P, et al.
J Fr Med Chir Thorac 24:691-700, Sep-Oct 70 (Fre)
[New methods of measuring ventilatory output by ionic pneumotachography] Grilliat JP, et al.
J Fr Med Chir Thorac 25:361-8, May-Jun 71 (Fre)
[Beta-adrenolytic drugs and ventilation. Propranolol test in pneumology] Marche J, et al.
J Fr Med Chir Thorac 25:211-9, Feb-Mar 71 (Fre)
[Expiratory plateau of isovolumetric pressure-flow curves] Clément J, et al.
J Physiol (Paris) 62:Suppl 2:262, 1970 (Fre)
[Determination of expired pulmonary volume from thoracic radiographies. Comparison with spirographic values] Liot F, et al.
J Physiol (Paris) 62:Suppl 3:407-8, 1970 (Fre)
[Study of pulmonary ventilation using heavy gases] Paulet G, et al.
J Physiol (Paris) 63:84A, Mar-Apr 71 (Fre)
[Effectiveness of ventilation in obstructive diseases] César J. Laval Med 41:1012-3, Oct 70 (Fre)
[Diagnostic contribution to the study of carbon dioxide transfer. Apneic method] Guerrin F, et al.
Lille Med 15:1381-90, Dec 70 (Fre)
[Value of respiratory functional evaluation in the identification of chronic bronchitis (apropos of a case)] Poirier R, et al. Mars Med 108:373-5, 1971 (Fre)
[Evaluation of pulmonary distension by measuring the radiological thoracic volume. Application to the study of obstructive syndromes] Estrader F, et al.
Poumon Coeur 25:997-1009, 1969 (Fre)
[Open system ergometry with study of the various respiratory and circulatory parameters] Maier A, et al. Poumon Coeur 25:609-26, 1969 (Fre)
[Pulmonary arterial hypertension and chronic bronchitis. Value of the effort test in detection of the initial stages] Perrin-Fayolle M, et al.
Poumon Coeur 25:933-82, 1969 (Fre)
[Circadian rhythm of respiratory functions and temperature in asthmatic patients staying in hypoallergenic environment] Reinberg A, et al.
Presse Med 78:1817-21, 10 Oct 70 (Fre)
[Airway resistance measurements by iterative interruption of the air flow: normal values, clinical application to functional approach of asthma] Freour P, et al. Respiration 28:74-88, 1971 (Fre)
[Automatic analysis of E.E.G. amplitude spectrum modifications in hyperpnea] Drohocki ZA.
Rev Neurol (Paris) 122:474-7, Jun 70 (Fre)
[Quantitative modifications of cerebral electrogenesis (E.G.N.) induced by repeated hyperpnea tests] Grosveld FM.
Rev Neurol (Paris) 122:478-80, Jun 70 (Fre)
[Effect of emphysematous expansion and humidification on the intrapulmonary gas exchange] Takumi Y, et al. Anaesthesist 19:373-83, Oct 70 (Ger)
[Does tonsillectomy influence nasal respiration? Results of rhinomanometric examinations following tonsillectomy and adenoidectomy] Bachmann W.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:387-9, 1970 (Ger)
[Method for quantitative evaluation of capnogram (URAS) curves] Galgóczy G, et al.
Beitr Klin Erforsch Tuberk Lungenkr 141:362-8, 1970 (Ger)
[Inhalatory provocation and respiratory function tests in bakers and millers with eczema and confirmed flour allergy of the cutaneo-vascular type] Heyl U, et al.
Berufsdermatosen 18:77-88, Apr 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Electronic humidity and temperature compensation in whole body plethysmography] Buchheim FW, et al. **Biomed Tech (Stuttg)** 16:102-6, 3 Jun 71 (Ger)
[Physiology of respiration] Hirche HJ. **Elektromed Biomed Tech** 15:189-95, Sep 70 (Ger)
[Analysis of elliptic pressure-flow and pressure-volume diagrams of the airways: compression effects in obstructive ventilation disorders] Hüttemann U, et al. **Klin Wochenschr** 49:205-13, 15 Feb 71 (Ger)
[Single breath CO diffusion measurement in clinical pulmonary function diagnosis] Seiler K, et al. **Klin Wochenschr** 48:678-82, 1 Jun 70 (Ger)
[Pulmonary function tests] Nolte D. **Med Monatsschr** 25:146-52, Apr 71 (Ger)
["Normal value" for the arterial oxygen pressure] Geisler L, et al. **Med Welt** 2:49-52, 9 Jan 71 (Ger)
[Age influence on the spiroergometric measurements in submaximal region] Hollmann W, et al. **Med Welt** 28:1280-8, 11 Jul 70 (Ger)
[Measurement of regional blood circulation of the lungs] Venrath H. **Med Welt** 28:1276-9, 11 Jul 70 (Ger)
[Analysis of lung function] Riegel K. **Monatsschr Kinderheilkd** 117:613-5, Oct 69 (Ger)
[Mechanical factors in bullous emphysema] Hartung W, et al. **Pneumonologie** 143:131-5, 1970 (Ger)
[The diagnostic value of the maximum expiratory flow-volume curve] Overrath G, et al. **Pneumonologie** 146:11-25, 1971 (Ger)
[Lung function tests in pneumological practice] Schindl R. **Prax Pneumol** 24:770-6, Dec 70 (Ger)
[Occupational allergic bronchial asthma. Reliability of inhalation tests] Woitowitz HJ, et al. **Prax Pneumol** 25:185-93, Apr 71 (Ger)
[Refined lung function analysis in patients with extended lung infiltration and normal spirometry] Rütsche M, et al. **Praxis** 60:105-11, 26 Jan 71 (Ger)
[Pulmonary distribution analysis on the basis of x-ray film stadidensigraphy] Vogel J, et al. **Radiol Diagn (Berl)** 11:595-608, 1970 (Ger)
[Venous impurity and chronic intestinal diseases] Kunkel G, et al. **Schweiz Med Wochenschr** 101:319-25, 6 Mar 71 (Ger)
[Respiration as a heart function test. Diagnosis of latent coronary insufficiency] Sanz E, et al. **Schweiz Med Wochenschr** 100:193-6, 31 Jan 70 (Ger)
[The significance of pulmonary-pressure measurement in pulmonary function before and after pulmonary resections] Hartel W, et al. **Thoraxchirurgie** 18:445-50, Dec 70 (Ger)
[Functional studies and morphologic observations in autotransplanted canine lungs] Nasseri M, et al. **Verh Dtsch Ges Pathol** 54:185-90, 1970 (Ger)
[Categorization of asthmatic children using respiratory function tests] Cernelc D. **Wien Med Wochenschr** 120:359-61, 16 May 70 (Ger)
[Quantitative lung scintigraphy in comparison to bronchospirography in the interpretation of relative lung blood supply distribution] Anastasatu C, et al. **Z Erkr Atmungsorgane** 132:303-14, 1970 (Ger)
[Vital capacity and respiratory minute volume test in school children of the 4th and 5th grade in areas differing in their degree of air pollution] Grosser PJ, et al. **Z Erkr Atmungsorgane** 134:255-65, 1971 (Ger)
[Flow mechanics of child's lung] Nolte D. **Z Erkr Atmungsorgane** 133:284-9, Dec 70 (Ger)
[Actual results in studies of correlation between the respiratory mechanics and intrathoracic circulation] Schilling W. **Z Erkr Atmungsorgane** 133:477-81, Dec 70 (Ger)
[Scoliosis and lung function] Meznik F, et al. **Z Orthop** 108:382-90, Nov 70 (Ger)
[Respiratory function in asthmatic patients after surgical monolateral removal of carotid glomus] Di Bartolomeo A, et al. **Ann Ital Chir** 45:486-96, 1969 (Ita)
[Respiratory function studies. I. Equations for calculating expected static pulmonary volumes, in normal subjects, in a sitting position] Rambaldi M, et al. **Arch Monaldi** 25:441-58, Nov-Dec 70 (Ita)
[Relation between pulmonary scanning with MMAI 131 and respiratory function tests] Lanfranchi GA, et al. **Arch Patol Clin Med** 44:253-70, 1967 (Ita)
[Respiratory function tests in normal subjects. Predictive equations in the calculation of inspiratory capacity, expiratory reserve and dynamic pulmonary volumes] Rambaldi M, et al. **Arch Tisiol Mal Appar Resp** 24:225-52, Mar 69 (Ita)
[Influence of the relative environmental humidity on some respiratory function tests in subjects with pulmonary silicosis] Bellini PG, et al. **Boll Soc Ital Biol Sper** 46:676-9, 15 Sep 70 (Ita)
[Respiratory function tests in chronic pulmonary heart disease] Giuliano V. **Folia Cardiol (Milano)** 28:109-13, 1969 (Ita)
[Blocked expiration test (T.E.B.) in the study of chronic cor pulmonale in silicosis] Lussana S. **Folia Med (Napoli)** 52:553-64, Sep 69 (Ita)
[The effect of O2 inhalation on respiratory function in obese patients] Caizavara G, et al. **G Clin Med** 50:310-22, 4 Apr 69 (Ita)
[Respiratory function test in workers employed in electrolytic production of chlorine and sodium] Capodaglio E, et al. **Med Lav** 60:192-202, Mar 69 (Ita)
[Methods of biological data detection and transmission during space missions and their present use in clinical medicine] Judica-Cordiglia A. **Minerva Med** 61:5723-31, 12 Dec 70 (Ita)
[Determination of residual functional capacity by means of "open-circuit" body plethysmography: comparative findings with the helium method in normal subjects] Parchi C, et al. **Minerva Med** 62:2137-47, 26 May 71 (Ita)
[Somatic and functional characteristics in male subjects followed-up during the puberal period] Facchini F, et al. **Minerva Pediatr** 22:2185-95, 10 Nov 70 (Ita)
[Functional and instrumental symtometology of the respiratory system in childhood] Di Toro R. **Pediatria (Napoli)** 78:751-68, 1970 (Ita)
[Ventilatory efficiency indices in premature infants in the 1st day of life] Imperato C, et al. **Pediatria (Napoli)** 78:658-75, 1970 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al. **Policlinico [Prat]** 77:1029-48, 10 Aug 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al. **Policlinico [Prat]** 77:1067-83, 24 Aug 70 (Ita)
[The minimal instrumental findings in respiratory functional diagnosis in thoracic surgery] Pastore V, et al. **Rass Int Clin Ter** 50:393-7, 15 Apr 70 (Ita)
[Uniformity of the intrapulmonary distribution of inspired air studied with the single breath method] Janigro G. **Riv Med Aeronaut Spaz** 32:376-95, Jul-Sep 69 (Ita)
[Nasal or oral respiration in hyperventilation caused by exertion] Saibene F, et al. **Riv Med Aeronaut Spaz** 32:329-39, Jul-Sep 69 (Ita)
[The pneumotachygraph in the functional diagnosis of ventilatory damage caused by pulmonary silicosis] Dotta F, et al. **Zacchia** 5:105-20, Jan-Mar 69 (Ita)
[Pulmonary function of children with congenital heart diseases, with special reference to test results of ventilation dynamics] Onishi A. **Acta Paediatr Jap** 74:1016-28, Dec 70 (Jap)
[Symposium: clinical significance of the lung function test] Kaneue H, et al. **Iryo** 24:Suppl:135-44, 1970 (Jap)
[Exercise test in pulmonary function tests] Kanagami H. **Jap J Clin Med** 28:2619-22, Nov 70 (Jap)
[Respiratory function impairment in micronodular pulmonary silicosis] Marek K, et al. **Pol Arch Med Wewn** 46:481-8, 1971 (Pol)
[Pulmonary function tests in diffuse interstitial pneumonia. VI] Lemle A. **Rev Bras Med** 27:516-21 contd, Oct 70 (Por)
[Lung function tests in diffuse interstitial lung diseases. V] Lemle A. **Rev Bras Med** 27:19-21 contd, Jun 70 (Por)
[Respiratory function tests in diffuse interstitial pneumopathies. VII] Lemle A. **Rev Bras Med** 27:601-7, Dec 70 (Por)
[Cardiac dynamic changes during the test of oxygen respiration with intrapulmonary hyperpressure] Pintilie I, et al. **Fiziol Norm Patol** 17:31-6, 1971 (Rum)
[Pulmonary functional exploration in chronic obstructive bronchopneumopathies] Duțu S. **Med Interna (Bucur)** 22:1337-46, Nov 70 (Rum)
[Observations on chronic bronchopneumopathies in the hospital outpatient clinic] Man A. **Med Interna (Bucur)** 22:1379-85, Nov 70 (Rum)
[Respiratory function in older children and adolescents with non-specific chronic pneumopathies] Hreniuc R, et al. **Pediatria (Bucur)** 19:523-9, Nov-Dec 70 (Rum)
[Pulmonary function in mitral stenosis] Enescu I, et al. **Stud Cercet Med Interna** 11:393-404, 1970 (Rum)
[Pulmonary ventilation and mixing in healthy young men, smokers and non-smokers] Teculescu D, et al. **Stud Cercet Med Interna** 11:419-23, 1970 (Rum)
[Use of radiorheopneumography in the study of external respiration in the process of professional work] Popov LI, et al. **Biull Eksp Biol Med** 68:116-7, Nov 69 (Rus)
[Aveolar plateau as an indicator of regional asynchronous ventilation of the lungs] Zil'ber AP. **Biull Eksp Biol Med** 68:3-6, Oct 69 (Rus)
[Assessment and status of the external respiratory function in dust-induced diseases of the bronchopulmonary apparatus] Penknovich AA, et al. **Gig Tr Prof Zabol** 14:7-10, Nov 70 (Rus)
[Choice of volume of functional studies in surgery of the lungs] Antelava NV, et al. **Khirurgiia (Mosk)** 46:52-5, Aug 70 (Rus)
[Study of the mechanics of respiration in children by the method of whole-body plethysmography and impedance pneumography] Anokhin MI. **Nov Med Priborostr** 2:3-6, 1969 (Rus)
[Distribution of acoustic oscillations in the air passages of the lungs] Nemerovskiĭ LI. **Nov Med Priborostr** 2:110-5, 1970 (Rus)
[Determination of the acoustic impedance of the human respiratory system] Zelivianskaia LI, et al. **Nov Med Priborostr** 2:135-9, 1970 (Rus)
[Studying arterial blood gases during physical loading as a method of evaluating the functional state of the respiratory system] Iarochkin VS, et al. **Patol Fiziol Eksp Ter** 14:68-70, Nov-Dec 70 (Rus)
[Pneumotachography and pneumotachometry of forced expiration in the diagnosis and treatment of disorders of bronchial patency in patients with pulmonary tuberculosis] Rusak NT, et al. **Probl Tuberk** 48:40-4, 1970 (Rus)
[Comparative data from bronchospirography and Bergan's intubation-free method of determining separate function of the lungs] Vysokova TM, et al. **Probl Tuberk** 48:36-9, 1970 (Rus)
[Radioisotope study of zonal ventilation and blood circulation in lung diseases] Votchal BE, et al. **Ter Arkh** 42:85-90, Oct 70 (Rus)
[Pneumographic characteristics of external respiratory function in young children with bronchial asthma] Shiriaeva IS, et al. **Vopr Okhr Materin Det** 15:48-51, Jun 70 (Rus)
[Significance of the study of respiratory function in bronchial tumors in thoracic surgery] Juričić V. **Lijec Vjesn** 92:563-71, 1970 (Cro)

CLASSIFICATION

[Attempt at applying a taxonomic method in respiratory-circulatory function tests] Motyka K, et al. **Przegl Lek** 27:270-3, 1971 (Pol)

INSTRUMENTATION

Portable respiratory gas collection equipment. Daniels J. **J Appl Physiol** 31:164-7, Jul 71
A simple, sensitive multichannel servo system for use as a correcting thermobarometer. Denckla WD. **J Appl Physiol** 30:567-8, Apr 71
Simultaneous quantitative recording of respiratory movements and the electrocardiogram during work-capacity tests. Hamley EJ, et al. **J Physiol (Lond)** 212:10P-12P, Jan 71
A six channel scanning system for digital recording and analysis of pulmonary function data. Cooke MB, et al. **Med Biol Eng** 8:373-82, Jul 70
Hybrid computer studies of ventilatory distribution and lung volume. I. Normal newborn infants. Hanson JS, et al. **Pediatrics** 46:900-14, Dec 70
An inexpensive bedside analogue computer for measuring respiratory work and certain other parameters. Neely WA, et al. **Surgery** 69:309-13, Feb 71
[An electronic time interval histoscop for the ECG, EEG and respiratory curve] Eichmeier J, et al. **Elektromed Biomed Tech** 15:131-40, Jul 70 (Ger)
[Effect of the ratio of separation of a gaseous mixture on the calibration of blood-gas pressure meters in lung function laboratories] Klein J. **Z Erkr Atmungsorgane** 134:267-71, 1971 (Ger)
[A quasi-closed system for polarographic respiratory tests] Liese W, et al. **Z Med Labortech** 12:9-11, 1971 (Ger)
[Construction and mechanism of a respiration machine for rats] Fliegel H, et al. **Z Tierphysiol** 23:278-84, Apr 68 (Ger)
[A respiration apparatus for concurrent determination of respiratory exchange in several animals] Petry H. **Z Tierphysiol** 27:285-92, May 71 (Ger)
[Method and apparatus for determining the pressure capabilities of the respiratory muscles during inspiration and expiration] Alexandrov I, et al. **Fiziol Zh SSSR** 57:135-7, Jan 71 (Rus)
[1st attempt to use pulmophonography in the postoperative period] Darbinian TM, et al. **Nov Med Priborostr** 2:13-7, 1969 (Rus)
[Informativeness of contactless chamber pneumography] Luk'ianov EK. **Nov Med Priborostr** 1:92-5, 1970 (Rus)
[Formation of respiratory fluctuations of intrachamber pressure in a thermodynamically isolated system] Luk'ianov EK. **Nov Med Priborostr** 1:96-102, 1970 (Rus)
[Use of new instruments for studying gas exchange and external respiration in clinical practice] Vinnitskaia RS, et al. **Nov Med Priborostr** 2:33-8, 1969 (Rus)
[Clinical method of pulmophonography] Vinogradova IS, et al. **Nov Med Priborostr** 2:7-12, 1969 (Rus)
[The radio frequency mass spectrometer and the possibility of its application in studying external respiration] Uvarov BS, et al. **Vestn Khir** 103:98-102, Nov 69 (Rus)
[Integral sensitometer for objective assessment of the function of external respiration in 3-phase roentgenography] Leĭkin VE, et al. **Vestn Rentgenol Radiol** 45:92-4, Sep-Oct 70 (Rus)
[Device for fixing the pectoral vertebra in microelectrode study of the pulse of respiratory neurons of the spinal cord of animals] Krakovich VD. **Fiziol Zh** 17:271-2, Mar-Apr 71 (Ukr)

STANDARDS

Spirometric standards for healthy nonsmoking adults. Morris JF, et al. **Am Rev Resp Dis** 103:57-67, Jan 71
Normal standards of pulmonary function tests for healthy Indian men 15-40 years old: comparison of different regression equations (prediction formulae). Jain SK, et al. **Indian J Med Res** 57:1453-66, Aug 69
Expiratory flow rates and timed expiratory capacities in South Indian men. Singh HD, et al. **J Indian Med Assoc** 54:412-5, 1 May 70
[Pulmonary function studies in allergic bronchitis and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

bronchial asthma in children. 1. Predictive equation of the normal value and pulmonary ventilatory function in normal children] Irieda K.
Jap J Allergy 20:24-30, Jan 71 (Jap)

VETERINARY

Some parameters of respiratory function in normal and abnormal newborn foals with special reference to levels of paO2 during air and oxygen inhalation. Rossdale PD. Res Vet Sci 11:270-6, May 70
[Nitrogen restitution test in pmnary function tets] Spörri H, et al.
Zentralbl Veterinaermed [A] 7:845-56, Dec 70 (Ger)
[Nitrogen restitution test in pulmonary function tests] Spörri H, et al.
Zentralbl Veterinaermed [A] 17:945-56, Dec 70 (Ger)

RESPIRATORY HYPERSENSITIVITY (C5, C14)

The value of the methacholine test as a diagnostic method in bronchospastic disorders. Muittari A.
Bronches 18:501-5, Nov-Dec 68
Reactivity of the bronchial tree to different stimuli. Vries K de, et al. Bronches 18:439-52, Nov-Dec 68
Primate respiratory mast cells. Reactions with Ascaris antigen and anti-heavy chain sera. Patterson R, et al.
J Immunol 106:1274-83, May 71
The natural history of allergic bronchitis. Sanerkin NG.
J Pathol 103:p2-3, Feb 71
Allergic pulmonary aspergillosis. Vaisrub S.
JAMA 216:670, 26 Apr 71
Diagnosis and treatment of hypersensitivity pneumonitis. Schlueter DP.
Med Times 98:127-34, Nov 70
Anal models of immediate-type respiratory allergy. Patterson R, et al. NY State J Med 71:755-9, 1 Apr 71
Animal models of immediate-type respiratory allergy. Patterson R, et al. NY State J Med 71:755-9, 1 Apr 71
Aspergillosis: a review and case report. O'Neill RP, et al. South Med J 64:392-6, Apr 71
Coffee worker's lung. A new example of extrinsic allergic alveolitis. Toorn DW van.
Thorax 25:399-405, Jul 70
[Olfactory function in allergic diseases of the respiratory tract pathways] Hlaváček V, et al.
Cesk Otolaryngol 20:97-102, Jun 71 (Cze)
[Respiratory allergic manifestations] Rivasseau J.
Arch Mal Prof 32:315-6, Mar 71 (Fre)
[On the immuno-morphology ofsensitizaion. VI. Reactions of the pulmonary mesenchyma to serum albumin and to bovine serum albumin] Eskenasy A, et al.
Arch Roum Pathol Exp Microbiol 28:471-83, Jun-Sep 69 (Fre)
[Bronchial hyperreactivity and anthracosilicosis] Groetenbriel C, et al.
Bronches 18:510-3, Nov-Dec 68 (Fre)
[Fibrous bronchitis and hypermotility of bronchial epithelial cells as a sign of hyperreactivity of the bronchial mucosa] Huzly A.
Bronches 18:551-6, Nov-Dec 68 (Fre)
[Prognostic value of bronchial hyperreactivity to acetylcholine in the course of chronic bronchitis in coal-miners] Minette A.
Bronches 18:466-88, Nov-Dec 68 (Fre)
[Bronchial hyperreactivity during inhalation pharmacodynamic tests and its prognostic value] Rebohle E, et al.
Bronches 18:495-500, Nov-Dec 68 (Fre)
[Study of fungal pollution in bake shops] Charpin J, et al. Bull Acad Nati Med (Paris) 155:52-5, 19 Jan 71 (Fre)
[The most frequent allergens in clinical nasal allergology] Alemany-Vall R.
Rev Laryngol Otol Rhinol (Bord) 91:1025-32, Nov-Dec 70 (Fre)
[Factors of allergic sensitization in the infections of the nasal and paranasal sinuses] Baudry M, et al.
Rev Laryngol Otol Rhinol (Bord) 90:71-7, Jan-Feb 69 (Fre)
[Respiratory allergopathy in children] Geubelle F.
Rev Med Liege 25:Suppl 1:87+, Dec 70 (Fre)
[Respiratory hypersensitivity in children] Bonstein HS. Rev Med Suisse Romande 90:787-800, Oct 70 (Fre)
[Allergic diseases of the respiratory ways] Jäger L.
Z Aerztl Fortbild (Jena) 65:563-76, 1 Jun 71 (Ger)
[On the pathogenetic mechanism of oculonasal and bronchial manifestations in patients with pollinosis] Trimarco C.
Folia Allergol (Roma) 16:552-60, Nov-Dec 69 (Ita)
[Pulmonary function studies in allergic bronchitis and bronchial asthma in children. 2. Pulmonary ventilatory function and bronchial response to methacholine] Irieda K.
Jap J Allergy 20:31-8, Jan 71 (Jap)
[Allergy of the paranasal sinuses] Okuda M.
Otolaryngology (Tokyo) 42:765-9, Oct 70 (Jap)
[Allergy of the paranasal sinuses] Sasaki Y.
Otolaryngology (Tokyo) 42:771-6, Oct 70 (Jap)
[Allergic form of aspergillosis in the course of aspergilloma of the lung] Rowińska E, et al.
Gruzlica 38:1193-9, 1970 (Pol)
[Allergic alveolitis caused by inhalation of avian antigen: "bird fancier's lung"] Teculescu D.
Stud Cercet Med Interna 12:135-42, 1971 (Rum)
[State of the bronchopulmonary apparatus in patients with chronic allergic rhinosinusopathies] Gol'dman II, et al. Vestn Otorinolaringol 32:45-9, Jul-Aug 70 (Rus)

CHEMICALLY INDUCED

Case report: widespread involvement of the lungs in severe hypersensitivity reactions to antituberculous drugs. Chatterji JC. Indian J Chest Dis 9:41-3, Jan 67
Clinical, immunologic, and physiologic observations in factory workers exposed to B. subtilis enzyme dust. Franz T, et al. J Allergy 47:170-80, Mar 71
Two lines of guinea pigs sensitive and nonsensitive to chemical mediators and anaphylaxis. Takino Y, et al.
J Allergy 47:247-61, May 71
Enzyme sensitisation in consumers of enzyme-containing washing powder. Belin L, et al.
Lancet 2:1153-7, 5 Dec 70

COMPLICATIONS

An uncommon presentation of Bird Fancier's lung. Vale JA, et al. Guys Hosp Rep 119:289-95, 1970
[Influence and mutual reaction of sinus diseases in hypersensitivity of the bronchi] Dietzel K, et al.
Bronches 18:530-3, Nov-Dec 68 (Fre)
[Importance of allergologic investigation in diagnosis of uveitis] Algan B, et al.
Bull Soc Ophtalmol Fr 69:654-6, Jul-Aug 69 (Fre)
[Pathergy--an unknown cause of nasal polyposis] Godin O, et al. J Fr Otorhinolaryngol 18:481-3, Sep 69 (Fre)
[Etiologic study of 50 cases of aperiodic spasmodic coryza] Romanski B, et al.
Maroc Med 49:700-2, Dec 69 (Fre)
[Granulomatous allergic angiitis with predominant cardiac and pulmonary manifestations] Diebold J, et al. Presse Med 77:1211-2, 26 Jul 69 (Fre)
[Paranasal sinusitis and atopic allergy] Sekine K.
J Otolaryngol Jap 73:1595-619, Oct 70 (Jap)
[Allergic asthma in pediatrics] Ruíz Moreno G, et al.
Prensa Med Argent 57:1083-5, 31 Jul 70 (Spa)

DIAGNOSIS

Occupational and non occupational respiratory allergy in bakers. Popa V, et al.
Acta Allergol (Kbh) 25:159-77, Jun 70
Some aspects of clinical allergy. Brown HM.
Br J Clin Pract 24:513-22, Dec 70
Evaluation and treatment of respiratory allergy in Iowa. Richerson HB, et al.
J Iowa Med Soc 60:559-68, Aug 70
[The value of specific methods of diagnosing allergic diseases of the respiratory tract] Ado AD, et al.
Zh Eksp Klin Med 7:51-5, 1967 (Arm)
[Allergologic study by intradermal tests in respiratory allergy. Apropos of 1,000 cases] Crinquette J, et al.
J Sci Med Lille 89:139-53, Apr 71 (Fre)
[Clinico-statistical findings on the provocation test (inhalation test) in subjects with rhinitic and asthmatic syndromes caused by exogenous allergens] Trimarco C, et al.
Riv Crit Clin Med 67:271-3, Aug 67 (Ita)
[Specific diagnosis of allergic diseases of the aeriferous pathways in persons involved in the production of antibiotics] Brusilovskiĭ ES, et al.
Sov Med 33:33-6, Sep 70 (Rus)
[Auto-hemagglutination reaction in acute respiratory diseases in small children] Radchenko NO.
Pediatr Akush Ginekol 1:14-5, Jan-Feb 71 (Ukr)
[Relation of positive conjunctival test and appearance of eosinophilic leukocytes in the conjunctival smear in respiratory tract allergies] Srenger Z.
Rad Med Fak Zagrebu 18:43-8, 1970 (Cro)

DRUG THERAPY

The release of histamine from blood corpuscles by antigen-antibody reactions. 3. The histamine release from whole blood before and after treatment of pollen allergic patients with staphylococcus vaccine. Berqquist G, et al. Acta Allergol (Kbh) 25:360-4, Dec 70
Weedery. Morrison IC. Med J Aust 1:558-9, 6 Mar 71
[Alpolone and allergy in otorhinolaryngology (54 cases)] Julian A, et al.
J Fr Otorhinolaryngol 18:251-4, Apr 69 (Fre)
[A new drug for paroxysmal or chronic respiratory insufficiency] Phelip M.
Lyon Med 225:469-71, 14 Mar 71 (Fre)
[Corticotherapy in nontuberculous diseases of the respiratory tract. Indications and results] Chenebault J. Maroc Med 49:512-6, Aug-Sep 69 (Fre)
[Trial of Aturgyl Delta] Guillen G.
Rev Laryngol Otol Rhinol (Bord) 90:716-8, Nov-Dec 69 (Fre)
[Corticoid therapy] Duchaine J.
Rev Med Liege 25:Suppl 1:149+, Dec 70 (Fre)
[Beta 1-24 corticotrophin or tetracosactide in asthma and allergic diseases] Wolfromm R, et al.
Therapeutique 45:131-46, Feb 69 (Fre)
[On the use of allergen extract in pyridine precipitated with alum (Allpyral) in the preventive treatment of pollinosis] Dai Bo S.
Folia Allergol (Roma) 16:535-51, Nov-Dec 69 (Ita)
[Preliminary results of the use of a corticosteroid combination (polycort) in the symptomatic treatment of respiratory allergic syndromes] Noferi A, et al.
Folia Allergol (Roma) 17:496-9, Sep-Oct 70 (Ita)

ENZYMOLOGY

[Contribution to the immuno-morphology of sensitization. 8. Histoenzymological study of sensitized pulmonary tissue and the pulmonary reaction of hypersensitization to tuberculoprotein] Eskenasy A, et al.
Ann Histochim 16:73-80, Jan-Mar 71 (Fre)

ETIOLOGY

Detergent enzymes--an industrial hygiene challenge. Fulwiler RD. Am Ind Hyg Assoc J 32:73-81, Feb 71
The mulberry tree: a neglected factor in respiratory allergy in Southern California. Targow AM.
Ann Allergy 29:318-22, Jun 71
Environment and pulmonary hypersensitivity. Fink JN.
Ann Intern Med 74:293-4, Feb 71
Allergic alveolitis due to pituitary snuff. Harper LO, et al. Ann Intern Med 73:581-4, Oct 70
Sensitization to the enzymes in detergents. Lichtenstein LM, et al. J Allergy 47:53-5, Jan 71
Sensitivity to proteolytic enzymes in laundry detergents. Shapiro RS, et al. J Allergy 47:76-9, Feb 71
Newer concepts in regard to the aetiology of allergic respiratory diseases. Glass RD.
Med J Aust 1:1243, 5 Jun 71
Newer concepts in regard to the aetiology of allergic respiratory diseases. Kent PW.
Med J Aust 1:1033, 8 May 71
Newer concepts in regard to the aetiology of allergic respiratory diseases. Munro R.
Med J Aust 1:861-4, 17 Apr 71
Hypersensitivity pneumonitis. I. A discussion of farmer's lung. Hughes WF.
Ohio State Med J 67:730-2, Aug 71
Mold allergy in otolaryngology. Erdel MW.
Trans Indiana Acad Ophthalmol Otolaryngol Suppl:16-20, 5-7 May 70
[Significance of spastic bronchitis in pediatric allergology] Růžný D, et al.
Cesk Pediatr 25:478-80, Oct 70 (Cze)
[Pulmonary miliaria in children caused by pigeon fancier's lung disease] Jean R, et al.
Arch Fr Pediatr 28:95-107, Jan 71 (Fre)
[Where does the question of pine pollen allergy stand? Discussion of the problems raised in the Landes region] Mallet JR, et al.
Bord Med 4:1157-8 passim, Apr 71 (Fre)
[Bronchial reactivity in flax byssinosis] Barbu Z, et al.
Bronches 18:537-41, Nov-Dec 68 (Fre)
[Hyperreactivity of the bronchial mucosa after partial pulmonary resection in chronic suppurative processes] Lukomsky G, et al.
Bronches 18:534-6, Nov-Dec 68 (Fre)
[Does allergy to Candida albicans exist? Apropos of 111 bronchomotor tests] Gaudier B, et al.
Pediatrie 23:743-5, Oct-Nov 68 (Fre)
[Lung diseases in pigeon breeder's disease] Bernard JG. Rev Fr Allergol 11:173-4, Apr-Jun 71 (Fre)
[Precipitin pulmonary disease] Molina C, et al.
Rev Fr Allergol 11:141-64, Apr-Jun 71 (Fre)
[Relations between respiratory allergy and smell] Perrin C, et al.
Rev Fr Allergol 10:273-81, Oct-Dec 70 (Fre)
[Sinusal reaction after nasal surgery] Giguère P, et al.
Union Med Can 100:1569-71, Aug 71 (Fre)
[Increasing importance of hyphomycetic allergies in the respiratory tract] Hussarek M.
Monatsschr Ohrenheilkd Laryngorhinol 104:257-62, 1970 (Ger)
[Occupational allergies. Pathogenic aspects] Broussard G. Folia Med (Napoli) 53:62-7, Feb-Mar 70 (Ita)
[On the pathology due to Mansonia wood] Salamone L, et al. Folia Med (Napoli) 52:427-49, Jul 69 (Ita)
[Asthmatic manifestations due to proteolytic enzymes used as cleaning agents] Nava C.
Med Lav 61:515-8, Oct 70 (Ita)
[Spastic (allergic) bronchitis due to allergy to organes] Walczyński Z. Wiad Lek 24:1083-4, 1 Jun 71 (Pol)

FAMILIAL & GENETIC

[Genetic factors in asthma and respiratory allergies] Charpin J, et al. Poumon Coeur 27:111-9, 1971 (Fre)

IMMUNOLOGY

The antigen-induced degranulation of basophil leucocytes from atopic subjects, studied by phase-contrast microscopy. Hastie R.
Clin Exp Immunol 8:45-61, Jan 71
Serial specific neutralization of reagins of cross-reactive human serum in monkeys. Layton LL, et al. Folia Allergol (Roma) 16:204-12, May-Jun 69
Bronchial secretions in dogs with IgE mediated

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

respiratory responses. Booth BH, et al.
Int Arch Allergy Appl Immunol 40:639-42, 1971
Bronchial eosinophilia in rhesus monkeys with IgE mediated respiratory responses. Patterson R, et al.
Int Arch Allergy Appl Immunol 40:361-71, 1971
Studies of the dual antibody response in allergic bronchopulmonary aspergillosis. Goldstein GB, et al.
J Allergy 46:340-51, Dec 70
[Allergic diseases of the respiratory tract: pollinosis, mite asthma, occupational asthma, and farmer's lung] Scheiffarth F. Med Welt 23:969-71, 5 Jun 71 (Ger)
[Behavior in time of the specific skin reaction of the immediate type in subjects with allergic respiratory diseases caused by inhalants] Noferi A, et al.
Folia Allergol (Roma) 16:229-33, May-Jun 69 (Ita)
[New aspects of respiratory allergy based on experimental results] Pedvinec S, et al.
Minerva Otorinolaringol 20:40-3, Mar-Apr 70 (Ita)
[Changes of gamma globulins of type A in some diseases in childhood] Bardare M, et al.
Minerva Pediatr 23:170-3, 4 Feb 71 (Ita)

OCCURRENCE

Incidence of the allergic manifestations and phenomena of pulmonary spastic syndrome in the workers exposed to flour and floury dust. Odavić M, et al. Allerg Asthma (Leipz) 15:364-73, 1969
Central air-conditioning system may be a public health hazard. Taub SJ.
Eye Ear Nose Throat Mon 49:301, Jun 70
Dermatologic and pulmonary responses in the manufacturing of detergent enzyme products. McMurrain KD Jr. J Occup Med 12:416-20, Oct 70
A survey of respiratory infections and allergies in Canberra. Bridges-Webb C.
Med J Aust 1:714-5, 27 Mar 71
A survey of respiratory infections and allergies in Canberra. Sands CC, et al.
Med J Aust 1:364-9, 13 Feb 71
[On the epidemiology of bronchial respiratory troubles: study on a group of women in a large urban center] Fréour P, et al.
Bull Inst Natl Sante Rech Med 24:173-99, Mar-Apr 69 (Fre)
[Heteroprecipitins against fowl proteins. Studies on pigeon breeders' disease] Keitel W, et al.
Allerg Asthma (Leipz) 16:57-61, 1970 (Ger)
[Findings on allergic pathology in agricultural workers. I. Allergies of the I or immediate type] Saia B.
Folia Med (Napoli) 53:73-82, Apr-May 70 (Ita)
[Incidence of respiratory hypersensitivity to environmental dusts in miners] Saia B, et al.
Med Lav 61:283-9, May 70 (Ita)
[Hygienic assessment of vegetable dust in the cellulose-cardboard industry] Tsyganovskaia LKh.
Gig Sanit 35:26-31, Jun 70 (Rus)

PATHOLOGY

Changes in guinea-pig lungs following the inhalation of powdered egg albumin. Eastham WN, et al.
J Pathol 101:Piv, Aug 70
[Experimental studies on reactivity of the bronchial mucosa in hypersensitive animals subjected to various shocks] Spina G, et al.
Bronches 18:517-20, Nov-Dec 68 (Fre)

PREVENTION & CONTROL

House mites and allergies: their control in the house. Nelson GA. NZ Med J 72:417-8, Dec 70
[The influence of pre-inhalation of atomised lactose dust upon the inhalative provocation test] Krieger E.
Pneumonologie 146:45-9, 1971 (Ger)

RADIOGRAPHY

[Radiography of allergic lung reactions in bird owners] Stender HS, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:589-96, May 71 (Ger)

THERAPY

Evaluation and treatment of respiratory allergy in Iowa. Richerson HB, et al.
J Iowa Med Soc 60:559-68, Aug 70
[Current data on pollinosis] Autran P, et al.
Mars Med 108:393, 1971 (Fre)
[Tests of efficacy of thermal cures in respiratory allergy] Chareire J, et al.
Presse Therm Climat 107:140-2, 1970 (Fre)
[Therapeutic efficacy tests in respiratory allergy] Wolfromm R, et al.
Presse Therm Climat 107:134-9, 1970 (Fre)
[Desensitization of hairdressers (hairspray and bleaching agents)] Blandin G.
Rev Fr Allergol 10:327-31, Oct-Dec 70 (Fre)
[Therapeutic report on allergic diseases of the upper respiratory tract] Lange R.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:372, 1970 (Ger)
[Therapeutic experience report in allergic diseases of the upper respiratory tract] Lange R.
HNO 18:302-5, Oct 70 (Ger)
[Comparison of the therapeutic results obtained with alum-pyridine pollen extracts and aqeuous extracts] Centanni G.
Folia Allergol (Roma) 17:309-26, May-Jun 70 (Ita)
[On hyposensitizing therapy in respiratory allergic syndromes caused by pollens and inhalant substances, with special reference to "Parietaria officinalis" and to house dusts] Negrini AC.
Folia Allergol (Roma) 17:262-70, May-Jun 70 (Ita)
[Specific skin reaction of an immediate type in patients with allergic syndromes caused by inhalants after prolonged specific desensitization] Noferi A, et al.
Folia Allergol (Roma) 16:498-503, Sep-Oct 69 (Ita)
[Difficulties and limitations of specific hyposensitization in patients sensitized to Parietaria officinalis] Noferi A.
Folia Allergol (Roma) 17:256-61, May-Jun 70 (Ita)
[Hyposensitizing therapy with house dust extracts] Passaleva A.
Folia Allergol (Roma) 16:428-9, Jul-Aug 69 (Ita)
[Hyposensitizing therapy with house dust extracts] Passaleva A.
Folia Allergol (Roma) 17:271-81, May-Jun 70 (Ita)
[Specific hyposensitizing therapy in bronchial asthma and allergic bronchopathies] Santilli E.
Folia Allergol (Roma) 16:430-1, Jul-Aug 69 (Ita)
[Criteria of evaluation of so-called specific desensitizing therapy] Volterrani O, et al.
Folia Allergol (Roma) 17:229-44, May-Jun 70 (Ita)
[Therapy of some respiratory tract diseases at Gorna Bania health resort] Telcharov L, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:237-43, May-Jun 70 (Rus)

RESPIRATORY INSUFFICIENCY (C5)

Management of respiratory failure. Kibelstis JA.
Am Fam Physician GP 2:90-4, Nov 70
Diagnosis and treatment of respiratory failure after civilian trauma. Olcott C, et al.
Am J Surg 122:260-8, Aug 71
Response of the arterial Po2 to oxygen administration in chronic pulmonary disease. Interpretation of findings in a study of 46 patients and 14 normal subjects. Mithoefer JC, et al.
Ann Intern Med 74:328-35, Mar 71
A simplified technique of blind nasotracheal intubation of patients with respiratory insufficiency. Zaric D.
Arch Chir Neerl 22:227-32, 1970
Respiratory failure.
Aspen Emphysema Conf 8:11-6, 1965
The management of acute respiratory failure in a respiratory intensive care unit. O'Donohue WJ Jr, et al. Chest 58:603-10, Dec 70
Pulmonary insufficiency. Sackner MA.
Mich Med 69:1071-3, Dec 70
Acute respiratory failure. Didier EP.
Postgrad Med 49:143-7, May 71
[Comparative study of different methods for determining the physical ability of patients with pulmonary insufficiency] Deroanne R, et al.
Acta Tuberc Pneumol Belg 61:101-7, Jan-Apr 70 (Fre)
[Work ability of patients with anthracosilicosis or nonspecific chronic respiratory insufficiency] Fassotte A, et al.
Acta Tuberc Pneumol Belg 61:109-23, Jan-Apr 70 (Fre)
[The problem of respiratory insufficiency] Comeau M.
Laval Med 41:983-4, Oct 70 (Fre)
[The problem of respiratory insufficiency in surgery] Lépine C. Laval Med 41:1043-5, Oct 70 (Fre)
[The clinical picture of respiratory insufficiency] Liepmann R. Maroc Med 48:478-83, Aug-Sep 68 (Fre)
[Respiratory insufficiency in pediatrics] Pichon R.
Maroc Med 48:712-6, Dec 68 (Fre)
[Respiratory insufficiency in the aged] Willa C, et al.
Rev Med Suisse Romande 88:331-51, May 68 (Fre)
[Respiratory insufficiency] Grégroire F.
Union Med Can 98:1665-6, Oct 69 (Fre)
[Respiration problems in seriously wounded] Bonhoeffer K.
Langenbecks Arch Chir 322:241-51, 1968 (Ger)
[The course of the postoperative period in children with bilateral non-specific bronchopulmonary diseases] Ormantaev KS, et al.
Grudn Khir 13:57-64, Mar-Apr 71 (Rus)
[Compensatory processes in various types of ventilation disorders in patients with pulmonary tuberculosis] Gavrilova NI.
Probl Tuberk 48:60-5, 1970 (Rus)
[Intensive study of asthmatic mal] Raimondi AC, et al.
Rev Clin Esp 118:547-58, 30 Sep 70 (Spa)
[Primary alveolar hypoventilation] Baehr F, et al.
Rev Med Chil 99:301-4, Apr 71 (Spa)

BLOOD

Arterial blood gases during assisted ventilation in patients with chronic respiratory failure. II. Changes in the partial pressure of oxygen (PaO2). Zieliński J.
Pol Med J 9:1132-9, 1970
Arterial blood gases during assisted ventilation in patients with chronic respiratory failure. I. Changes in the partial pressure of carbon dioxide (PaCO2). Zieliński J. Pol Med J 9:1123-31, 1970
[Hyperammonemia of acute respiratory insufficiency] Balmes A, et al. Presse Med 79:1172, 22 May 71 (Fre)
[Types of oxyhemographic curves in patients with respiratory insufficiency] Nefedov VB, et al.
Klin Med (Mosk) 48:52-7, Oct 70 (Rus)
[Correlation between blood gases and respiratory volumes in patients with respiratory insufficiency] Kabakov AI, et al. Ter Arkh 42:100-4, Oct 70 (Rus)
[Influence of respiratory acidosis on hydromineral picture of plasma and erythrocytes in patients with chronic global respiratory insufficiency] Ondrejička M, et al. Bratisl Lek Listy 55:289-95, 1971 (Slo)

CHEMICALLY INDUCED

Antibiotic-induced paralysis. Pittinger CB, et al.
Anesth Analg (Cleve) 49:487-501, May-Jun 70 (87 ref.)
Danger of polymyxin B inhalation. Marschke G, et al.
Ann Intern Med 74:296-7, Feb 71
Polymyxin inhalation therapeutic hazard. Marschke G, et al. Ann Intern Med 74:144-5, Jan 71
Respiratory arrest in myasthenia gravis with colistimethate therapy. Decker DA, et al.
Arch Neurol 25:141-4, Aug 71
The potential hazard of oxygen after bilateral cordotomy. Kuperman AS, et al. Chest 59:232-5, Feb 71
Respiratory failure and isoprenaline. Barer GR, et al.
Clin Sci 39:19P, Dec 70
Experimental respiratory distress induced by paraquat. Robertson B, et al.
J Pathol 103:239-44, Apr 71
Neuromuscular blockade associated with gentamicin therapy. Warner WA, et al.
JAMA 215:1153-4, 15 Feb 71
Ketamine and the airway.
NY State J Med 71:355-6, 1 Feb 71
Respiratory paralysis secondary to the use of polymyxin B. Colvard MC Jr.
South Med J 64:652 passim, Jun 71
[Malignant syndrome of the neuroleptics] Bourgeois M, et al. Bord Med 4:1115-28, Apr 71 (Fre)
[Organophosphorus insecticides: danger in production and utilization] Heuse A.
Brux Med 50:265-9, Apr 70 (Fre)
[Experimental study of pulmonary toxic substances. The example of acrolein] Catilina P, et al.
Poumon Coeur 26:867-76, 1970 (Fre)
[The lung and massive intentional poisoning by organo-phosphoric substances] Dezoteux H, et al.
Poumon Coeur 26:937-40, 1970 (Fre)
[Physiopathology of toxic hypoxia] Gervais P, et al.
Poumon Coeur 26:839-52, 1970 (Fre)
[Pulmonary complications caused by acute narcotic poisoning] Ibe K, et al.
Poumon Coeur 26:967-74, 1970 (Fre)
[Acute pulmonary complications following intraspinal injection of cytostatic drugs] Lareng L, et al.
Poumon Coeur 26:961-5, 1970 (Fre)
[Acute pulmonary edema in barbiturate poisoning (apropos of 3 cases)] Roquefeuil B, et al.
Poumon Coeur 26:975-80, 1970 (Fre)
[Respiratory functional sequelae of ammonia poisoning. (8 cases)] Voisin C, et al.
Poumon Coeur 26:1079-95, 1970 (Fre)
[Severe respiratory depression following intrabronchial administration of neomycin in a case of pseudoparalytic myasthenia gravis] Kolb R, et al.
Anaesthesist 19:186-7, May 70 (Ger)
[Hazards of the neuro-muscular blocking effect of antibiotics] Lennartz H.
Klin Wochenschr 49:373-5, 1 Apr 71 (Ger)
[Death after intravenous application of isoptin] Apitz J, et al. Med Klin 66:751-5, 14 May 71 (Ger)
[Clinical and experimental studies on the mechanism of neuromuscular blockade by chloroquine diorotate] Tseng J. Jap J Anesthesiol 20:491-503, Jun 71 (Jap)
[With regard to the article by N. N. Timofeev, V. T. Kondrashenko and N. Ia. Nemtseva "An oxyhemometric study of patients with schizophrenia and reactive psychoses during treatment with neuroleptics"] Izakson KhA.
Zh Nevropatol Psikhiatr 70:1103-4, 1970 (Rus)

COMPLICATIONS

Pulmonary fat metabolism syndrome: analysis of six cases with severe respiratory failure. Spotnitz M, et al. Ariz Med 28:274-80, Apr 71
Cardiorespiratory changes in progressive muscular dystrophy. Wahi PL, et al. Br Heart J 33:533-7, Jul 71
Arrhythmias, digitalis and respiratory failure. Kirby BJ, et al. Br J Dis Chest 64:212-9, Oct 70
Hypoxia from acute lung failure. Relief by hyperbaric oxygenation. Reich T, et al.
J Med Soc NJ 65:553-8, Oct 68
Pulmonary failure associated with clinical shock states. Lewin I, et al. J Trauma 11:22-35, Jan 71
Acute gastrointestinal problems in the intensive care unit. Markowitz AM.
Med Clin North Am 55:1277-84, Sep 71
Respiratory causes of "sudden unexplained

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

arrhythmia" in postthoracotomy patients. Osborn JJ, et al. Surgery 69:24-8, Jan 71

Fluctuating "acute dementia" due to emphysema with pulmonary insufficiency. Arieff AJ, et al. Trans Am Neurol Assoc 95:203-5, 1970

[Significance of respiratory function disorders for the operative risk and indication for surgery] Wiemers K. Z Allgemeinmed 47:933-6, Jun 71

[Prognosis of asphyxiating attacks of chronic respiratory insufficiency] Meyer A, et al. Bull Acad Natl Med (Paris) 155:111-6, 2 Feb 71 (Fre)

[The eye and chronic respiratory insufficiency] Thomas C, et al. Bull Mem Soc Fr Ophtalmol 81:565-77, 1968 (Fre)

[Treatment of asphyxiant attacks of chronic severe respiratory insufficiency] Lissac J. Laval Med 41:1020-30, Oct 70 (Fre)

[Preparation of respiratory insufficiency patients for surgical intervention] Longtin L. Laval Med 41:1040-2, Oct 70 (Fre)

[The adrenocortical response during episodes of decompensation occurring in chronic respiratory insufficiency] Voisin C, et al. Lille Med 15:1367-74, Dec 70 (Fre)

[Gastro-duodenal hemorrhages and lesions during respiratory resuscitation] Voisin C, et al. Lille Med 15:1140-5, Oct 70 (Fre)

[Hypoprothrombinemia due to anoxia in acute respiratory insufficiency (apropos of a case in a cirrhotic patient)] Levrat M, et al. Lyon Med 224:673-8, 22 Nov 70 (Fre)

[Role of hypercapnic acidosis in the cardiovascular sequelae of respiratory insufficiency] Demange J. Maroc Med 48:492-5, Aug-Sep 68 (Fre)

[Digestive complications of respiratory insufficiency] Lebreton JM. Maroc Med 48:495-6, Aug-Sep 68 (Fre)

[Thoracic trauma in patients with chronic respiratory insufficiency] Ohresser P, et al. Mars Med 107:818-22, 1970 (Fre)

[Respiratory encephalopathies. 80 cases] Lamisse F, et al. Presse Med 78:1925-8, 24 Oct 70 (Fre)

[Transient fall in prothrombin level during acute respiratory insufficiency] Levrat M, et al. Presse Med 78:1843, 10 Oct 70 (Fre)

[Correlation between hematosis abnormalities and renal function associated with attacks of asphyxia in chronic pulmonary insufficiency] Lissac J, et al. Sem Hop Paris 47:295-301, 26 Jan 71 (Fre)

[Clinical picture of ling diseases with respiratory insufficiency] Herzog H. Wien Med Wochenschr 121:67-75, 30 Jan 71 (52 ref.) (Ger)

[Correlations between electrocardiographic, spirographic and oximetric data in chronic pulmonary diseases] D'Alonzo D, et al. Cardiol Prat 22:57-64, Feb 71 (Ita)

[Trends of medical therapy in respiratory encephalopathy] Zannini L, et al. Friuli Med 24:33-51, Jan-Feb 69 (Ita)

[Relation between the hypoxemic consciousness state, hypercapnia and arterial pH in patients with respiratory insufficiency] Balvanera Abreu A, et al. Arch Inst Cardiol Mex 40:589-95, Sep-Oct 70 (Spa)

DIAGNOSIS

A "stereoestethoscope" for continuous simultaneous auscultation of both lungs during anesthesia. Tahir AH. Anesth Analg (Cleve) 49:922-3, Nov-Dec 70

Acute leukemia presenting as respiratory distress. Geller SA. Arch Pathol 91:573-6, Jun 71

Inspiratory obstruction. Clark TJ. Br Med J 3:682-4, 19 Sep 70

Usefulness of arterial blood gases in obscure diagnosis. Soria RE, et al. J Med Assoc Ga 60:109-11, Apr 71

Recognition of the syndrome of post-traumatic pulmonary insufficiency in a patient with severe trauma. Casey MJ. Med Ann DC 40:103-5, Feb 71

Ventilatory problems in infants and children. McClenathan JE, et al. Med Ann DC 40:94-7, Feb 71

Adjustment of ventilation and perfusion in the full-term normal and distressed neonate as determined by urinary alveolar nitrogen gradients. Krauss AN, et al. Pediatrics 47:865-9, May 71

Artificial ventilation in chronic pulmonary insufficiency. Indications and prognosis. Wessel-Aas T, et al. Scand J Resp Dis [Suppl] 72:Suppl 72:36+, 1970

Simultaneous use of three indicators to evaluation pulmonary capillary damage in man. Gump FE, et al. Surgery 70:262-70, Aug 71

Respirator insufficiency: diagnosis and control of therapy. Peters RM, et al. Surgery 70:280-7, Aug 71

[Criteria of respiratory insufficiency diagnosis] Lissac J. Laval Med 41:995-1001, Oct 70 (Fre)

[Neuropsychic manifestations of imminent respiratory distress] Minuit P. Maroc Med 48:483-4, Aug-Sep 68 (Fre)

[Value and limits of the microcatheterization in chronic broncho-pneumopathies] Reboul AR, et al. Mars Med 107:743-50, 1970 (Fre)

[Value of biometric investigations in pneumology] Ledoux A, et al. Sem Hop Paris 47:1769-77, 8 Jun 71 (Fre)

[How to manage a respiratory insufficiency patient] Germouty J, et al. Therapeutique 46:945-7, Nov 70 (Fre)

[Lung scintigraphy at infancy and childhood] Fendel H, et al. Monatsschr Kinderheilkd 118:601-5, Nov 70 (Ger)

[A respiratory alarm apparatus based on difference of the temperature of respiration] Ginott N. Harefuah 78:285, 15 Mar 70 (Heb)

[Clinical use of acid-base equilibrium for a most correct therapy of respiratory insufficiency in chronic bronchopneumopathies] Oldrini R, et al. Clin Ter 56:441-65, 15 Mar 71 (Ita)

[Relations between the entity of the respiratory functional damage and its electrocardiographic repercussions] Banaudi C, et al. G Ital Mal Torace 24:237-43, Sep-Oct 69 (Ita)

[The minimal instrumental findings in respiratory functional diagnosis in thoracic surgery] Pastore V, et al. Rass Int Clin Ter 50:393-7, 15 Apr 70 (Ita)

[The pneumotachygraph in the functional diagnosis of ventilatory damage caused by pulmonary silicosis] Dotta F, et al. Zacchia 5:105-20, Jan-Mar 69 (Ita)

[Clinical course of congenital heart defects in infants with special reference to changes in the respiratory system. 3. Studies of the course of circulatory insufficiency] Popczyńska-Markowa M. Przegl Lek 27:211-6, 1971 (Pol)

[Studying arterial blood gases during physical loading as a method of evaluating the functional state of the respiratory system] Iarochkin VS, et al. Patol Fiziol Eksp Ter 14:68-70, Nov-Dec 70 (Rus)

[Differential diagnosis of types of pulmonary insufficiency in tuberculosis] Norefko BV, et al. Probl Tuberk 48:48-52, 1970 (Rus)

[Determination of carbon dioxide tension in mixed venous and arterial blood for diagnosing and treating respiratory insufficiency in patients with pulmonary emphysima and pneumosclerosis] Abrosimov NZ, et al. Ter Arkh 42:74-8, Oct 70 (Rus)

[Correlation between hemodynamic changes and respiratory insufficiency in acute myocardial infarct] Pérez Gómez F, et al. Rev Esp Cardiol 23:502-13, Oct-Dec 70 (Spa)

[Constrictive syndrome] Stevanović M. Med Glas 23:118-9, May-Aug 69 (Cro)

[Significance and value of the aleudrine test in the detection of the spastic reversible component in respiratory tract obstruction] Stevanović M. Med Glas 23:170-2, Sep-Dec 69 (Cro)

DRUG THERAPY

Isoprenaline plus phenylephrine in chronic obstructive lung disease. Marsh NA. Br Med J 1:402, 13 Feb 71

[Analeptic activity of dimefline in acute respiratory decompensation and toxic coma] Gautier J, et al. Anesth Analg (Paris) 27:775-90, Sep-Oct 70 (Fre)

[Verification of the efficacy of heptaminol acefyllinate in asthmatics and chronic respiratory insufficient patients] Castaing R, et al. Bord Med 4:953-5, Mar 71 (Fre)

[Place of a delayed-action tetracosactide (synthetic cortico-stimulant) in treatment of obstructive bronchopathy] Uzzan D, et al. J Fr Med Chir Thorac 23:561-72, Jul-Aug 69 (Fre)

[Use of methylprednisolone in resuscitation in various types of acute respiratory and cardiovascular distress] Motin J, et al. Lyon Med 225:461-7, 14 Mar 71 (Fre)

[A new drug for paroxysmal or chronic respiratory insufficiency] Phelip M. Lyon Med 225:469-71, 14 Mar 71 (Fre)

[Clinical study of a new bronchial antispasmodic, epronizol] Sors C, et al. Therapie 26:163-71, Jan-Feb 71 (Fre)

[Respiratory stimulation with vanillic acid diethylamide in chronic bronchitis and respiratory insufficiency] Fruhmann G, et al. Med Klin 65:1570-6, 4 Sep 70 (Ger)

[Our experience with the use of a new mucolytic agent in therapy of respiratory insufficiency] Greco R, et al. Acta Anaesthesiol (Padova) 21:255-75, Mar-Apr 70 (Ita)

[Clinical notes on the association of a mucolytic drug and a broad-spectrum antibiotic in the therapy of the bronchitic syndrome] Greco R, et al. Acta Anaesthesiol (Padova) 22:109-23, Jan-Feb 71 (Ita)

[Use of tris-hydroxy-methyl-amino methane in acid-base changes in resuscitation] Malizia E, et al. Clin Ter 53:405-29, 15 Jun 70 (Ita)

[Evaluation of the effects of various diuretics in chronic lung diseases with chronic respiratory insufficiency (CRI)] Dotti A, et al. G Clin Med 50:778-89, Sep 69 (Ita)

[Alkalizing treatment of the respiratory syndrome of the newborn] Gaioni L, et al. Minerva Pediatr 22:1366-77, Jul 70 (Ita)

[Our experience with methicillin-ampicillin combination in resuscitation] Viglietto A, et al. Rass Int Clin Ter 51:227-36, 28 Feb 71 (Ita)

[Change in the acid-base equilibrium and blood oxygen content in the treatment of respiratory insufficiency] Kabakov AI. Klin Med (Mosk) 49:103-8, Apr 71 (Rus)

[Effect of vitamin B 12 administered by aerosol on various spirographic functional components] Ruiz Benítez G, et al. Rev Clin Esp 117:483-8, 15 Jun 70 (Spa)

[Comparative study of the bronchospasmolytic effect of alupent and aleudrine by spirometric examination of pulmonary ventilation] Juričić V. Lijec Vjesn 92:217-22, 1970 (Cro)

ETIOLOGY

Lung structure in thoracic dystrophy. Finegold MJ, et al. Am J Dis Child 122:153-9, Aug 71

Trichinosis and respiratory failure. Brashear RE, et al. Am Rev Resp Dis 104:245-8, Aug 71

Respiratory disability following lymphangiography. Nicholson MJ. Anesth Analg (Cleve) 49:257-60, Mar-Apr 70

Respiratory problems in the acutely burned patient. Wilson RD. Anesth Analg (Cleve) 49:716-8, Sep-Oct 70

Fat embolism: silent respiratory disease. Wright BD. Anesth Analg (Cleve) 49:279-89, Mar-Apr 70

Respiratory problems in the acutely burned patient. Anesth Analg (Cleve) 49:714-5, Sep-Oct 70

Hemodynamic and respiratory changes associated with sepsis following combat trauma. Hirsch EF, et al. Ann Surg 174:211-6, Aug 71

Depletion of alveolar surface active material by transbronchial plasma irrigation of the lung. Levitsky S, et al. Ann Surg 173:107-15, Jan 71

Respiratory failure complicating post-traumatic acute renal failure: etiology, clinical features and management. Zimmerman JE. Ann Surg 174:12-8, Jul 71

Traumatic pulmonary insufficiency and non-mechanical bleeding in battle casualties. Morton A. Aust NZ J Surg 40:356-9, May 71

Respiratory failure complicating general surgery. Morton A. Aust NZ J Surg 40:391-6, May 71

"Shock lung". Calif Med 112:43-50, Feb 70

Respiratory function after cervical cordotomy. Kuperman AS, et al. Chest 59:128-32, Feb 71

A pathologist looks at respiratory failure due to obstructive lung disease. Thuribeck WM. Chest 58:Suppl 2:408+, Oct 70

Cystic fibrosis of the pancreas--a comparison of the pulmonary manifestations in children and young adults. Chest 59:306-11, Mar 71

Anesthesiology grand rounds--Yale-New Haven hospital. Acute respiratory obstruction. Conn Med 35:46-8, Jan 71

Chronic respiratory insufficiency. A case report. Milliken HH. J Maine Med Assoc 62:159-61, Jul 71

Interrelationship of respiratory disturbances and changes in blood and CSF gases after severe head injury. Frowein RA, et al. J Neurol Neurosurg Psychiatry 33:714, Oct 70

An unusual complication of chronic diaphragmatic hernia in an adult patient. Fromm SH, et al. J Thorac Cardiovasc Surg 61:654-6, Apr 71

Diaphragmatic malfunction in neonates and infants. Diagnosis and treatment. Sethi G, et al. J Thorac Cardiovasc Surg 62:138-43, Jul 71

Respiratory insufficiency syndrome. Med J Aust 1:1040-1, 15 May 71

Effects of metabolic acidosis--a review with case reports. Khawaja AA. Med J Malaya 25:229-33, Mar 71

Aortocaval compression during cesarean section. A cause of newborn depression. Goodlin RC. Obstet Gynecol 37:702-5, May 71

Nosogenic prehension of the nasus by a neonate: a resumption of fetal posture. Conner GK, et al. Pediatrics 46:936, Dec 70

Acute respiratory failure due to asthma. 1. Pathophysiology. Friedman I, et al. Postgrad Med 50:58-61, Aug 71

Unilateral paralysis of the diaphragm in the newborn. Harris GBC. Postgrad Med 50:51-4, Aug 71

Acute respiratory failure due to asthma. 2. Diagnostic and therapeutic principles. Reisman RE, et al. Postgrad Med 50:66-70, Aug 71

Progressive pulmonary insufficiency and malignant lymphoma. Postgrad Med 49:221-6, Apr 71

Respiratory failure in myasthenia gravis. Ashworth B, et al. Proc R Soc Med 64:489-90, May 71

Respiratory and cardiovascular consequences of scoliosis. Godfrey S. Respiration 27:Suppl:67-70, 1970

Respiratory distress syndrome following lymphangiography. Goff AM, et al. Respiration 28:89-97, 1971

Respiratory insufficiency. Malmberg R. Scand J Resp Dis [Suppl] 72:Suppl 72:19+, 1970

Pulmonary lymph in experimental fat embolism. Baker PL, et al. Surgery 69:686-91, May 71

Respiratory impairment and airway closure in patients with untreated idiopathic scoliosis. Bjure J, et al. Thorax 25:451-6, Jul 70

[Tobacco smoking and respiratory symptoms in a Danish population. From a survey during 50 years in Glostrup] Hagerup L. Ugeskr Laeger 133:1302-6, 9 Jul 71 (Dan)

[Out of breath between home and hospital] Sluiter HJ. Ned Tijdschr Geneeskd 114:1989-90, 28 Nov 70 (Dut)

[Ventilatory instability after transplantation of the left

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

lung in humans] Vanderhoeft P, et al.
Acta Chir Belg 68:357-66, 1969 (Fre)
[3 cases of bronchiolar cancer with cardiopulmonary function studies] Sergysels R, et al.
Acta Tuberc Pneumol Belg 62:35-47, Jan-Feb 71 (Fre)
[Post-traumatic acute respiratory failure and "shocked lung"] Baumann J, et al.
Ann Chir Thorac Cardiovasc 10:85-94, Jan 71 (Fre)
[Respiratory distress revealing a broncho-pulmonary tumor] Garaix JP, et al.
Ann Med Interne (Paris) 120:633-5, Oct 69 (Fre)
[Postoperative respiratory complications] Favarel-Garrigues JC, et al.
Bord Med 3:2705-6 passim, Nov 70 (Fre)
[Present-day treatment of the chronic obstructive ventilatory syndrome] Sheloon GP.
Bronches 20:353-81, Sep-Oct 70 (Fre)
[Acute respiratory insufficiency in chronic bronchopathies] De Coster A, et al.
Brux Med 47:523-37, 14 May 67 (Fre)
[Shock lung and filters of tubulures for transfusions] Radiguet de la Bastaie P.
Cah Anesthesiol 19:65-7, Jan-Feb 71 (Fre)
[Respiratory insufficiency in cardiogenic pulmonary acute edema] Lissac J, et al.
Coeur Med Interne 10:47-67, Jan-Mar 71 (Fre)
[Respiratory forms of post-operative peritonitis] Detrie P, et al. J Chir (Paris) 100:267-70, Oct 70 (Fre)
[Noxious environmental pollutants and severe chronic respiratory insufficiency] Laval P, et al.
J Fr Med Chir Thorac 22:521-32, Jul-Aug 68 (Fre)
[308 crisis of acute respiratory insufficiency in cases admitted to the resuscitation ward of the Laennec Hospital between 1 January 1966 and 31 December 1969] Pariente R, et al.
J Fr Med Chir Thorac 25:385-90, May-Jun 71 (Fre)
[Medico-legal evaluation of the sequelae of laryngeal injuries] Cornut G, et al.
J Fr Otorhinolaryngol 18:533-6, Oct 69 (Fre)
[Selection of patients for pulmonary surgery] Dorval CH. Laval Med 41:1015, Oct 70 (Fre)
[Respiratory insufficiency in asbestosis] Soucy R. Laval Med 41:1009-11, Oct 70 (Fre)
[Mucoviscidosis in adults. Apropos of a case] Gallet M, et al. Lyon Med 225:845-57, 9 May 71 (Fre)
[Respiratory distress in thoracic injuries. Diagnosis and treatment] Robert J.
Maroc Med 48:503-5, Aug-Sep 68 (Fre)
[A rare cause of respiratory insufficiency: the double aortic arch] Ohresser P, et al.
Mars Med 107:794-6, 1970 (Fre)
[Accidental inhalation of talc in an infant. Apropos of 2 cases] Neimann N, et al.
Pediatrie 26:81-4, Jan-Feb 71 (Fre)
[Respiratory consequences of severe scoliosis in adolescents. Respiratory effects of Harrington's operation. Value of pulmonary scintigraphy. 79 cases] Migueres J, et al. Presse Med 78:2001-6, 31 Oct 70 (Fre)
[Severe respiratory failure observed during the influenza epidemic of winter 1969-1970] Vic-Dupont V, et al. Presse Med 78:1781-6, 3 Oct 70 (Fre)
[Complications after emergency tracheotomy] Forgács I, et al. Anaesthesist 19:155-6, Apr 70 (Ger)
[Postoperative lung insufficiency] Herzog H, et al.
Chirurg 42:156-62, Apr 71 (Ger)
[Pulmonary microthrombi as a cause of respiratory insufficiency in disseminated intravascular coagulation (shock-lung)] Mittermayer C, et al.
Dtsch Med Wochenschr 95:1999+, 2 Oct 70 (Ger)
[The clinical lung transplantation and its special problems] Nasseri M, et al.
Langenbecks Arch Chir 322:537-42, 1968 (Ger)
[Possibilities of extended application of complete relaxation to newborns and young infants] Emmrich P. Monatsschr Kinderheilkd 118:453-6, Jul 70 (Ger)
[Analysis of lung function] Riegel K.
Monatsschr Kinderheilkd 117:613-5, Oct 69 (Ger)
[Respiratory complications in serial rib fractures and their treatment] Amann E, et al.
Monatsschr Unfallheilkd 74:31-46, Jan 71 (Ger)
[Dyspnoea. A psychosomatic study] Heim E, et al.
Respiration 27:Suppl:1-23, 1970 (Ger)
[Respiratory problems following heart surgery] Beer R, et al. Thoraxchirurgie 19:121-9, Apr 71 (Ger)
[Abnormal left pulmonary artery with a sling around the right main bronchus and the trachea as the cause of respiratory obstruction] Molz G.
Thoraxchirurgie 18:203-13, Jun 69 (Ger)
[Postoperative disturbances of respiration] Rodewald G, et al. Thoraxchirurgie 17:468-77, Dec 69 (Ger)
[Genesis of respiration disturbances in fat embolism] Baum M, et al.
Wien Klin Wochenschr 82:855-63, 27 Nov 70 (Ger)
[Pulmonary function disorders caused by bronchoscopy during general anesthesia] Kurgan J. Z Erkr Atmungsorgane 131:231-6, 1970 (Ger)
[Respiratory disorders due to the flooding of contrast media following lymphographies] Jünemann A, et al.
Zentralbl Chir 95:616-20, 16 May 70 (Ger)
[Pulmonary involvement due to zinc chloride smoke] Knaan G, et al. Harefuah 79:489-92, 1 Dec 70 (Heb)
[Dust inhalation in the pathogenesis of bronchitis in miners of Pécs] Háber J, et al.
Orv Hetil 111:2953-8, 13 Dec 70 (Hun)
[Respiratory insufficiency caused by crusty tracheobronchitis in laryngectomized patients occurring at the time of the past influenza epidemic] Manara G.
Boll Mal Orecch Gola Naso 88:243-59, 1970 (Ita)
[Therapy of acute respiratory insufficiency in an influenza epidemic] Nanni Costa P, et al.
Bull Sci Med (Bologna) 142:159-73, Apr-Jun 70 (Ita)
[Treatment of respiratory insufficiency caused by bronchial foreign body] Garozzo A.
Clin Otorinolaringoiatr 21:276-83, Jul-Aug 69 (Ita)
[Acute mediastinal syndrome caused by malignant thymus neoplasms in children] Mancini AF, et al.
Clin Pediatr (Bologna) 52:51-79, Feb 70 (Ita)
[Chronic bronchitis of subjects with chronic pulmonary tuberculosis and its diffuse sequelae. Functional characteristics] Anastasatu C, et al.
Minerva Med 61:5749-52, 15 Dec 70 (Ita)
[Our experience in 100 cases of respiratory insufficiency syndrome in premature infants] Airaghi M, et al. Minerva Pediatr 23:1113-5, 23 Jun 71 (Ita)
[A case of pluriorificaal syndrome with unusual etiology (Bedsonia)] Pagliano Sassi L, et al.
Minerva Pediatr 23:491-3, 17 Mar 71 (Ita)
[A case of congenital atrial flutter in an asphyctic newborn infant] Piria F, et al.
Minerva Pediatr 23:479-90, 17 Mar 71 (Ita)
[Radiological study of the acute respiratory syndrome in the newborn] Raboni F, et al.
Radiol Med (Torino) 56:209-24, Mar 70 (Ita)
[Some cases of serious respiratory insufficiency after influenza. Notes on resuscitation treatment] Ferone A, et al. Rass Int Clin Ter 50:1284-94, 31 Oct 70 (Ita)
[5 cases of talc aspiration] Paoli F, et al.
Riv Clin Pediatr 81:1129, Nov-Dec 68 (Ita)
[Respiratory disorder in extensively burned patients] Tahara I, et al. Shujutsu 25:765-73, Jun 71 (Jap)
[Respiratory disturbance in fractures] Minami T, et al.
Surg Ther (Osaka) 23:463-8, Oct 70 (Jap)
[Respiratory impediment in patients with extensive burns] Sugimoto T, et al.
Surg Ther (Osaka) 24:99-105, Jan 71 (Jap)
[Respiration and hemodynamics in acute intestinal obstruction] Lubenskiĭ IuM, et al.
Khirurgiia (Mosk) 47:120-4, Mar 71 (Rus)
[The effect of pulmonary hypertension on respiration in mitral stenosis] Uglov FG, et al.
Klin Khir 4:11-4, 1971 (Rus)
[Clinical aspects and treatment of acute forms of botulism accompanied by respiratory insufficiency] Popova LM. Klin Med (Mosk) 47:89-98, Sep 69 (Rus)
[Differential diagnosis of types of pulmonary insufficiency in tuberculosis] Norenko BV, et al.
Probl Tuberk 48:48-52, 1970 (Rus)
[Correlation between bronchial and elastic respiratory resistance in different types of ventilatory insufficiency in pulmonary tuberculosis] Sinimets TM. Probl Tuberk 48:48-52, 1970 (Rus)
[The effect of bronchography on pulmonary ventilation] Varnovitskiĭ GI, et al.
Probl Tuberk 49:69-70, 1971 (Rus)
[The function of the external respiration in children suffering from congenital cleft lip and cleft palate] Kopik II.
Stomatologiia (Mosk) 49:50-2, Jul-Aug 70 (Rus)
[Clinical data on the detection and correction of respiratory disturbances in acute cholecystitis] Orlov AN. Vestn Khir 105:61-3, Aug 70 (Rus)
[Dynamics of external respiratory insufficiency and the reactivity of basic nerve processes in 1st stage anthracosilicosis] Rashap BIa, et al.
Vrach Delo 3:135-8, Mar 71 (Rus)
[Suffocating dry tracheobronchitis in laryngectomized patients] Pulido R.
Acta Otorinolaryngol Iber Am 21:316-24, 1970 (Spa)

FAMILIAL & GENETIC

[Deficiency of alpha-1-antitrypsin and chronic respiratory insufficiency] Uzzan D, et al.
Poumon Coeur 27:95-9, 1971 (Fre)

METABOLISM

Chemical study of human lungs following death from respiratory failure. Mashima Y, et al.
Surg Forum 21:220-2, 1970
[Davenport's diagram] Denis B.
Maroc Med 48:485-91, Aug-Sep 68 (Fre)
[Anaerobic metabolism in chronic respiratory insufficiency] Lisboa C, et al.
Rev Med Chil 99:257-66, Apr 71 (Spa)

MICROBIOLOGY

[Bacterial flora in respiratory insufficiency] Domaradzki-Dobija M.
Laval Med 41:1006-8, Oct 70 (Fre)

NURSING

[2 films on emergency medicine: transport of patients with respiratory insufficiency and first aid (medical pick-up)] Poisvert M.
Laval Med 41:1093-7, Nov 70 (Fre)

OCCURRENCE

[On the occurrence of chronic bronchitis and respiratory insufficiency in the industrial population of a rural habitat] Fréour P, et al.
Bull Inst Nati Sante Rech Med 25:165-88, Mar-Apr 70 (Fre)
[Respiratory insufficiency in Canada] Gauthier H.
Laval Med 41:992-4, Oct 70 (Fre)
[Current importance of respiratory insufficiency in Europe] Lissac J, et al.
Laval Med 41:985-91, Oct 70 (Fre)

PATHOLOGY

Oxygen poisoning in mice. Ultrastructural and surfactant studies during exposure and recovery. Adamson IY, et al. Arch Pathol 90:463-72, Nov 70
Pre- and postmortem studies of lung fluids and electrolytes. Gump FE, et al.
J Trauma 11:474-82, Jun 71
[Ultrastructure of the intercostal muscles. Its value in pneumology] Stoebner P, et al.
Poumon Coeur 25:281-90, 1969 (Fre)
[Morphologic bases of respiratory insufficiency] Giese W. Wien Klin Wochenschr 83:561-7, 6 Aug 71 (Ger)

PHYSIOPATHOLOGY

Transpulmonary pressure at full inspiration and and dynamics of the airways in patients with obstructive lung disease. Tammeling GJ, et al.
Am Rev Resp Dis 103:38-48, Jan 71
Measurement of alveolar carbon dioxide tension at maximal expiration as an estimate of arterial carbon dioxide tension in patients with airway obstruction. Tulou PP, et al. Am Rev Resp Dis 102:921-6, Dec 70
Pulmonary capillary permeability in the post-traumatic pulmonary insufficiency syndrome: comparison of isogravimetric capillary pressures. Motsay GJ, et al.
Ann Surg 173:244-8, Feb 71
Renal function in respiratory failure. Effects of hypoxia, hyperoxia, and hypercapnia. Kilburn KH, et al. Arch Intern Med 127:754-62, Apr 71
Temperature control, hydration and feeding, bilirubin and calcium metabolism. Stern L.
Biol Neonate 16:92-100, 1970
The EEG following circulatory and respiratory arrest. Jorgensen EO.
Electroencephalogr Clin Neurophysiol 30:273, Mar 71
Physiologic shunting in the lung in critically ill or injured patients. Wilson RF, et al.
J Surg Res 10:571-8, Dec 70
Renal function in respiratory failure. Petty TL, et al.
JAMA 217:82, 5 Jul 71
Renal function in respirary failure.
JAMA 16:131-2, 15 Apr 71
Some observations on the vectorcardiographic picture in chronic respiratory insufficiency: correlations of the VCG, ECG and intracardiac potentials. Fantini F, et al. Mal Cardiovasc 10:729-37, 1969
Hemodynamics and lung function during continuous positive pressure ventilation (CPPV) in acute respiratory failure. Kumar A, et al.
Nord Med 84:1637, 17 Dec 70
The pathophysiology of chronic respiratory failure. Berglund E.
Scand J Resp Dis [Suppl] 72:Suppl 72:13+, 1970
[Evaluation of lung function during respirator treatment] Henriksen H, et al.
Nord Med 85:559-65, 6 May 71 (Dan)
[The vectocardiogram during chronic respiratory insufficiency] Warembourg H, et al.
Arch Mal Coeur 63:1326-44, Sep 70 (Fre)
[Oxygen diffusion capacity in chronic respiratory insufficiency (apropos of 85 measurements)] Weitzenblum E, et al.
J Fr Med Chir Thorac 24:821-35, Nov-Dec 70 (Fre)
[Effectiveness of ventilation in obstructive diseases] César J. Laval Med 41:1012-3, Oct 70 (Fre)
[Physiopathology of respiratory insufficiency] Chenebault J. Maroc Med 48:473-7, Aug-Sep 68 (Fre)
[Value of the electroencephalogram in cerebral hypoxia of respiratory origin and primary alveolar hypoventilation] Haas C.
Poumon Coeur 25:627-42, 1969 (Fre)
[Intensive treatment of respiratory failure] Marcelle R, et al. Rev Med Liege 24:365-8, 1 May 69 (Fre)
[The postmortem perfusibility of intercoronary anastomoses in acquired heart valve disease and severe respiratory insufficiency] Barmeyer J, et al.
Beitr Pathol 141:107-15, 1970 (Ger)
[Behavior of the resaturation rate in normal subjects and patients with bronchopulmonary diseases after hypoxemia induction with respiration of hypoxic mixtures] Quatrini U, et al.
Boll Soc Ital Biol Sper 46:944-8, 30 Nov 70 (Ita)
[Spatial vectorcardiography in chronic respiratory insufficiency] Fantini F, et al.
Boll Soc Ital Cardiol 14:1-8, 1969 (Ita)
[Polygraphic study of left ventricular dynamics in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

subjects with bronchial asthma and bronchoemphysematous disease] Morandini G, et al. **Folia Allergol (Roma) 16:461-84, Sep-Oct 69 (Ita)**

[Some consequences of hypercapnia and hypoxemia in respiratory insufficiency] Refsum HE. **Tidsskr Nor Laegeforen 91:1048-50, 20 May 71 (Nor)**

[Gas exchange in the lungs and arterial blood gas state in pulmonary insufficiency] Refsum HE. **Tidsskr Nor Laegeforen 91:1037-43, 20 May 71 (Nor)**

[Acid-base equilibrium during various phases of pulmonary insufficiency] Refsum HE. **Tidsskr Nor Laegeforen 91:1043-8, 20 May 71 (Nor)**

[Correlation between blood gases and respiratory volumes in patients with respiratory insufficiency] Kabakov AI, et al. **Ter Arkh 42:100-4, Oct 70 (Rus)**

PREVENTION & CONTROL

Nonslipping, nonkinking airway connections for respiratory care. Eross B. **Anesthesiology 34:571-3, Jun 71**

The prophylactic use of a nasotracheal tube in infants under three months of age. Coppel DL, et al. **Surgery 69:354-9, Mar 71**

[Role of assisted ventilation in the prevention and treatment of postoperative cardiorespiratory accidents] Giroud M, et al. **Rev Corps Sante Armees 10:31-42, Feb 69 (Fre)**

[On the necessity of respiratory rehabilitation in thoraco-abdominal surgery] Chantraine A, et al. **Rev Med Liege 24:838-40, 1 Dec 69 (Fre)**

[Prevention and therapy of respiratory anesthetic complications] Rügheimer E. **Langenbecks Arch Chir 322:1291-9, 1968 (Ger)**

[Use of assisted artificial ventilation of the lung for prevention and correction of respiratory disorders at an early stage following thoracic surgery] Iurevich VM, et al. **Grudn Khir 13:109-14, Jan-Feb 71 (Rus)**

[Method of assisted lung ventilation in the prevention and treatment of postoperative respiratory disorders] Vorob'ev VM, et al. **Nov Med Priborostr 3:67-70, 1969 (Rus)**

RADIOGRAPHY

[Radiologic examination in respiratory insufficiency] Geoffroy M. **Laval Med 41:1014, Oct 70 (Fre)**

REHABILITATION

Rehabilitation of pulmonary cripple in private practice. Farrington JF. **Chest 60:Suppl:18S-20S, Aug 71**

Resources for the optimal care of acute respiratory failure. Study group on pulmonary heart disease. **Circulation 43:A185-95, Jun 71**

[Rehabilitation of the ventilatory motor function in chronic respiratory insufficiency] Lecoq A, et al. **Acta Tuberc Pneumol Belg 61:63-9, Jan-Apr 70 (Fre)**

[On the importance of rehabilitation in chronic respiratory insufficiency in elderly patients] Hérion F. **Brux Med 51:83-92, Feb 71 (Fre)**

[Value of rehabilitation in chronic respiratory insufficiency in the aged. I. Respiratory insufficiency; physiology of the senile lung] Hérion F. **Brux Med 50:735-42, Oct 70 (Fre)**

[Postoperative physiotherapy in respiratory insufficiency] Jobin D. **Laval Med 41:1034-6, Oct 70 (Fre)**

[The place of a technic of rehabilitation and functional readjustment in chronic bronchitic patients with respiratory insufficiency in a pneumo-phtisiology department] Artaud M, et al. **Mars Med 107:765-7, 1970 (Fre)**

SURGERY

[Treatment of tracheal stenosis after tracheotomy. Therapeutic indications, preparation for the intervention. Apropos of 9 resections in 15 cases of acute respiratory insufficiency] Couraud L, et al. **Ann Chir Thorac Cardiovasc 8:791-7, Jul 69 (Fre)**

[Permanent tracheotomy. 18 cases of chronic respiratory insufficiency] Pariente R, et al. **Ann Med Interne (Paris) 121:779-86, Oct 70 (Fre)**

[Carotid glomectomy in patients with chronic pneumogenous respiratory insufficiency] Giberti A, et al. **Minerva Med 61:5955-61, 22 Dec 70 (Ita)**

[General anesthesia in acute respiratory insufficiency] Buitrago de Rueda PM. **Rev Esp Anestesiol Reanim 17:370-4, Apr 70 (Spa)**

THERAPY

Pulmonary support by intravenous oxygenation through capillary silicone rubber tubing. Awad JA, et al. **Am J Surg 121:307-10, Mar 71**

A negative-pressure tank-type respirator for the neonate. Shepard FM. **Anesth Analg (Cleve) 49:413-9, May-Jun 70**

Respiratory failure treated with the membrane oxygenator in the hyperbaric chamber. II. Oxygen transfer during total asphyxia at varying ambient pressures. Weinreich A, et al. **Anesth Analg (Cleve) 49:977-85, Nov-Dec 70**

Respiratory failure treated in the hyperbaric chamber with the membrane oxygenator. 3. Studies of three membranes at various flow rates and ambient pressures. Lipton B, et al. **Anesthesiology 34:421-6, May 71**

Vascular and respiratory emergencises. Howat DD. **Ann R Coll Surg Engl 47:162-75, Sep 70**

Intermittent positive pressure and extrathoracic assisted breathing in hypovolemia. Comparative hemodynamic effects. Cook TI, et al. **Arch Surg 102:586-8, Jun 71**

Acute pulmonary insufficiency. Treatment in Vietnam casualties. Geiger JP, et al. **Arch Surg 102:400-5, Apr 71**

Practical problems associated with artificial ventilation in the newborn infant. Cooke R. **Biol Neonate 16:60-73, 1970**

Artificial ventilation of the very small premature infant with respiratory insufficiency. Räihä N, et al. **Biol Neonate 16:184-6, 1970**

Mechanical complications of artificial ventilation in the newborn. Relier JP. **Biol Neonate 16:122-32, 1970**

Long time results of respirator therapy. Stahlman M. **Biol Neonate 16:133-7, 1970**

Results of artificial ventilation in the newborn. Stern L. **Biol Neonate 16:155-63, 1970**

Clinical indications for mechanical ventilation in newborn infants. Strang LB. **Biol Neonate 16:142-7, 1970**

Symposium on artificial ventilation. Summary of conference proceedings. Swyer PR. **Biol Neonate 16:191-5, 1970**

Results of artificial ventilation. Experience at the Hospital for Sick Children, Toronto. Swyer PR. **Biol Neonate 16:148-54, 1970**

Resources for the optimal care of acute respiratory failure. Report of the Pulmonary Heart Disease Study Group. Behnke RH, et al. **Chest 59:667-70, Jun 71**

The management of acute respiratory failure. Cherniack RM. **Chest 58:Suppl 2:427+, Oct 70**

Principles in the management of assisted ventilation. Didier EP. **Chest 58:Suppl 2:423-6, Oct 70**

Modification of intrapulmonary blood shunt by end-expiratory pressure application in patients with acute respiratory failure. McMahon SM, et al. **Chest 59:Suppl:27S+, May 71**

The correction of severe hypoxemia in adult respiratory distress syndrome with hyperbaric oxygenation (OHP). Patrick TR, et al. **Chest 58:483-90, Nov 70**

Resources for the optimal care of acute respiratory failure. Study group on pulmonary heart disease. **Circulation 43:A185-95, Jun 71**

Oxygen therapy in chronic obstructive pulmonary disease. Malik SK. **Indian J Chest Dis 11:186-95, Oct 69**

Tracheal intubation for respiratory distress in infants and children. Herbert W, et al. **Int Anesthesiol Clin 8:925-32, Winter 70**

The value of long-term continuous oxygen therapy as a part of the treatment of chronic respiratory insufficiency. Laz AL, et al. **Med Ann DC 39:682-4, Dec 70**

Respiratory intensive care. Shapiro AG, et al. **Med Clin North Am 55:1217-31, Sep 71**

Oxygen therapy in acute respiratory failure. Vandenberg R. **Med J Aust 1:48, 2 Jan 71**

Oxygen therapy in acute respiratory failure. Vandenberg R, et al. **Med J Aust 2:874-7, 7 Nov 70**

Respiratory insufficiency: Treatment with mechanical ventilation. Rogers RM. **Med Times 98:197-208, Sep 70**

Acid-base balance abnormalities in respiratory therapy. Wang JK. **Minn Med 53:957-8, Sep 70**

Continuous positive-pressure ventilation in acute respiratory failure. Kumar A, et al. **N Engl J Med 283:1430-6, 24 Dec 70**

Recovery from hepatic coma and respiratory arrest with help of positive-pressure ventilation and intermittent plasma exchange. Cree IC, et al. **NY State J Med 70:2709-12, 1 Nov 70**

Breathing exercises for children with pseudohypertrophic muscular dystrophy. Houser CR, et al. **Phys Ther 51:751-9, Jul 71**

The value of long-term continuous oxygen therapy as a part of the treatment of chronic respiratory insufficiency. Laz AL, et al. **Presse Med 79:682-4, 9 Jan 71**

The method of hypercapnia choosen to test respiratory assistance by artificial lungs. Gille JP, et al. **Rev Eur Etud Clin Biol 16:181-4, Feb 71**

The indications for respirator treatment in chronic pulmonary disease and some practical views on its performance. Brundin A, et al. **Scand J Resp Dis [Suppl] 72:Suppl 72:27+, 1970**

Treatment of respiratory failure. Simonsson BG. **Scand J Resp Dis [Suppl] 72:Suppl 72:22-6, 1970**

Ventilatory support. Andersen MN. **Surgery 66:1112-9, Dec 69**

Respirator insufficiency: diagnosis and control of therapy. Peters RM, et al. **Surgery 70:280-7, Aug 71**

[Artificial respiration in respiratory insufficiency due to lung disease] Delooz H, et al. **Acta Anaesthesiol Belg 20:89-96, 1969 (Dut)**

[Tracheal and bronchial electrocardiographic derivations in cardiopulmonary resuscitation] Bernard R, et al. **Acta Cardiol (Brux) 25:396-403, 1970 (Fre)**

[Indications and limitations of conservative medical treatment in acute ventilatory failure in patients with chronic respiratory insufficiency] Dubois P, et al. **J Fr Med Chir Thorac 25:33-53, Jan 71 (Fre)**

[Effects of oxygen inhalation in chronic respiratory insufficiency] Paramelle B, et al. **J Fr Med Chir Thorac 25:55-67, Jan 71 (Fre)**

[Recent achievements in inhalation therapy] Dechêne JP. **Laval Med 42:278-82, Mar 71 (Fre)**

[Intermittent assisted ventilation and ambulatory treatment with respirator at home] Levi-Valensi P, et al. **Lille Med 16:156-63, Jan 71 (Fre)**

[Symptomatic treatment of acute and chronic respiratory insufficiency] Dezoteux H. **Maroc Med 48:506-9, Aug-Sep 68 (Fre)**

[Contribution of the floating catheter during respiratory resuscitation of patients with chronic pulmonary diseases] Mortara F, et al. **Maroc Med 49:402-10, Jul 69 (Fre)**

[Respirators at home for the treatment of patients with severe chronic respiratory insufficiency. Indications and efficiency conditions] Levi-Valensi P, et al. **Poumon Coeur 26:1219-35, 1970 (Fre)**

[Treatment of severe chronic respiratory insufficiency patients with respirators at home. Indications and conditions of efficiency] Levi-Valensi P, et al. **Presse Med 79:1350, 12 Jun 71 (Fre)**

[Intensive treatment of respiratory failure] Marcelle R, et al. **Rev Med Liege 24:365-8, 1 May 69 (Fre)**

[Effects of oxygen administration in chronic respiratory insufficiency during an acute attack of failure] Brune J, et al. **Rev Tuberc Pneumol (Paris) 35:245-54, Apr-May 71 (Fre)**

[Physiopathological study of the validity of the test of oxygen administration by nasal mask at the rate of 3 liters per minute for 10 minutes in chronic respiratory insufficiency during an acute attack of failure] Wiesendanger T, et al. **Rev Tuberc Pneumol (Paris) 35:255-66, Apr-May 71 (Fre)**

[How to manage a respiratory insufficiency patient] Germouty J, et al. **Therapeutique 46:945-7, Nov 70 (Fre)**

[Intensive therapy in respiratory disorders] Lawin P. **Hefte Unfallheilkd 99:31-9, 1969 (Ger)**

[Home care of chronic respiratory insufficiency] Scherrer M. **Praxis 59:506-11, 7 Apr 70 (Ger)**

[The so-called fluid-logic respiration--a new method of home treatment of chronic respiratory insufficiency] Liechti D, et al. **Schweiz Med Wochenschr 100:1635-8, 26 Sep 70 (Ger)**

[Respiratory probeems in intensive therapy patients] Benninger M, et al. **Ther Umsch 27:724-30, Nov 70 (Ger)**

[Therapeutic results in respiratory insufficiency in patients with chronic lung diseases] Hutás I. **Orv Hetil 111:2050-3, 30 Aug 70 (Hun)**

[Resuscitation after serious bilateral thoracic-pulmonary injuries] Achilli M, et al. **Acta Anaesthesiol (Padova) 20:817-23, Jul-Aug 69 (Ita)**

[Diuresis and mechanical respiration] Mangiavacchi E, et al. **Acta Anaesthesiol (Padova) 20:309-19, Mar-Apr 69 (Ita)**

[Clinical use of acid-base equilibrium for a most correct therapy of respiratory insufficiency in chronic bronchopneumopathies] Oldrini R, et al. **Clin Ter 56:441-65, 15 Mar 71 (Ita)**

[Therapy of respiratory insufficiency] Panuccio P, et al. **Folia Allergol (Roma) 18:224-57, May-Jun 71 (Ita)**

[Controlled ventilation in the respiratory syndrome of premature infants] Bevilacqua G, et al. **Minerva Pediatr 22:1383-7, 14 Jul 70 (Ita)**

[Our experience in treatment of respiratory insufficiency of premature newborns. Considerations on 62 cases] Minoli I, et al. **Minerva Pediatr 22:1427-32, 14 Jul 70 (Ita)**

[On treatment of the respiratory insufficiency syndrome in premature newborns] Nicolini A, et al. **Minerva Pediatr 22:1388-93, 14 Jul 70 (Ita)**

[Oxygen inhalation for patients with respiratory insufficiency] Uzawa T, et al. **Jap J Clin Med 29:1394-9, May 71 (Jap)**

[Artificial respiration technics in newborn infants] Feychting H. **Tidsskr Nor Laegeforen 91:1090-2, 20 May 71 (Nor)**

[Respiratory treatment in lung diseases] Hauge HE. **Tidsskr Nor Laegeforen 91:1076-9, 20 May 71 (Nor)**

[Repirator treatment in trauma] Holmdahl MH. **Tidsskr Nor Laegeforen 91:1083-7, 20 May 71 (Nor)**

[Treatment of respiratory insufficiency in newborn infants] Kjellmer I. **Tidsskr Nor Laegeforen 91:1087-90, 20 May 71 (Nor)**

[Intermittent positive pressure ventilation] Lund I. **Tidsskr Nor Laegeforen 91:1058-63, 20 May 71 (Nor)**

[Attempt at controlled oxygen therapy by means of 28 per cent Ventimask in patients with severe respiratory illness] Radwan L, et al. **Gruzlica 39:333-8, Apr 71 (Pol)**

[Principles of oxygen therapy in patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

respiratory insufficiency] Radwan L.
Gruzlica 38:1123-9, Oct 70 (11 ref.) (Pol)
[Evaluation of the use of repeated short periods of assisted respiration in the treatment of chronic respiratory failure] Frank-Piskorska A, et al.
Wiad Lek 24:513-8, 15 Mar 71 (Pol)
[Therapeutic management of "acute" pulmonary insufficiency in patients with chronic obstructive bronchopneumopathies] Maximilan V, et al.
Med Interna (Bucur) 22:1361-8, Nov 70 (Rum)
[Inhalation of helium in the complex treatment of children with respiratory insufficiency] Isakov IuF, et al. Khirurgiia (Mosk) 46:145-9, Apr 70 (Rus)
[Gas exchange in artificial ventilation of the lungs] Koshkin VM. Khirurgiia (Mosk) 46:71-5, Jun 70 (Rus)
[Apparatus for resuscitation and treatment in acute oxygen insufficiency] Cherniakhovskiĭ FR, et al.
Nov Med Priborostr 2:150-6, 1970 (Rus)
[Use of the RD-3 apparatus for artificial ventilation of the lungs] Kaverina KP, et al.
Nov Med Priborostr 2:108-9, 1970 (Rus)
[Determination of carbon dioxide tension in mixed venous and arterial blood for diagnosing and treating respiratory insufficiency in patients with pulmonary emphysima and pneumosclerosis] Abrosimov NZ, et al. Ter Arkh 42:74-8, Oct 70 (Rus)
[A clinico-morphologic analysis of decerebrate rigidity arising following resuscitation] Popova LM.
Zh Nevropatol Psikhiatr 70:1776-84, 1970 (Rus)
[A new respiration training technic for patients with spastic paralysis of the respiratory muscles] Fugl-Meyer A, et al.
Nord Med 84:1532, 26 Nov 70 (Swe)

URINE

[Urine excretion of vanillylmandelic acid in patients with chronic respiratory insufficiency] Balažovjech I, et al. Bratisl Lek Listy 55:164-72, 1971 (Slo)

RESPIRATORY SYNCYTIAL VIRUS (B4)

Ultrastructural studies of the multiplication of RS (respiratory syncytial) virus. Norrby E, et al.
Acta Pathol Microbiol Scand [B] 78:268, 1970
Respiratory syncytial virus in hospital cross-infection. Ditchburn RK, et al. Br Med J 3:671-3, 18 Sep 71
Respiratory syncytial virus infection in infancy and childhood in a community in Chandigarh. Agarwal SC, et al. Indian J Med Res 59:19-25, Jan 71
Adenovirus, RS virus and M. pneumoniae infections in young population of Prague in 1962-1967. Soběslavský O, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:350-9, 1970
Double infections with R.S. virus and influenza. Grist NR, et al. Lancet 2:1033, 14 Nov 70
Vaccination against pediatric illness caused by parainfluenza virus, respiratory syncytial virus and certain adenoviruses. Current status and perspective. Parrott RH, et al. Med Ann DC 39:612-4 passim, Nov 70
[Preliminary observations on the incidence of respiratory syncytial virus infection in acute respiratory diseases in childhood. Statistics of the Pediatric Clinic, November 1967-April 1968] De Rosa F, et al. Riv Clin Pediatr 81:339-43, Jul-Aug 68 (Ita)
[Behavior of neutralizing antibodies and complement fixing antibodies against the respiratory syncytial virus in relation to age] Pauluzzi S, et al.
Riv Ist Sieroter Ital 44:75-85, Jan-Apr 69 (Ita)
[Intravital staining of HEp-2 cells in the course of RS virus infection] Wliczyński J.
Med Dosw Mikrobiol 23:51-6, 1971 (Pol)
[Experimental reproduction of infections caused by Mycoplasma pneumoniae and respiratory syncytial virus in suckling cotton rats] Bafthomartov MS, et al.
Vopr Virusol 15:460-7, Jul-Aug 70 (Rus)
[The associative interrelationships of Mycoplasma pneumoniae and respiratory-syncytial virus in cell cultures] Bafthomartov MS, et al.
Vopr Virusol 16:36-41, Jan-Feb 71 (Rus)
[Titration of antibodies to respiratory syncytial virus by the indirect fluorescent antibody technic] Shefnbergas M, et al.
Vopr Virusol 15:359-60, May-Jun 70 (Rus)
[The interaction of influenza A2 virus and respiratory syncytial virus in mixed infections] Shenderovich SF, et al. Vopr Virusol 15:473-7, Jul-Aug 70 (Rus)
[The mechanism of respiratory-syncytial virus interference by influenza A2 virus] Zakstel'skaia LIa, et al. Vopr Virusol 15:552-5, Sep-Oct 70 (Rus)
[Clinical study of acute respiratory diseases in children caused by respiratory syncytial virus] Nabukhotnif TK, et al.
Pediatr Akush Ginekol 2:28, Mar-Apr 70 (Ukr)

GROWTH & DEVELOPMENT

Temperature-sensitive mutants of respiratory syncytial virus: in-vivo studies in hamsters. Wright PF, et al. J Infect Dis 122:501-12, Dec 70
Morphogenesis of respiratory syncytial virus in a green monkey kidney cell line (Vero). Norrby E, et al.
J Virol 6:237-42, Aug 70

IMMUNOLOGY

Attempts to demonstrate hemagglutination and hemadsorption by respiratory syncytial virus. Richman AV, et al. Appl Microbiol 21:1099-100, Jun 71
Respiratory syncytial virus neutralizing activity in nasopharyngeal secretions. Scott R, et al.
J Hyg (Camb) 68:581-8, Dec 70
Experimental respiratory syncytial virus infection of adults. Possible mechanisms of resistance to infection and illness. Mills J 5th, et al.
J Immunol 107:123-30, Jul 71
Interferon and respiratory syncytial virus. Corbitt G.
Lancet 2:492-3, 28 Aug 71
[Anticomplementary and antigenic properties of complement-fixing antigens of respiratory syncytial virus] Stelzner A, et al.
Zentralbl Bakteriol [Orig] 216:279-85, 1971 (Ger)

ISOLATION & PURIFICATION

Rapid detection and identification of respiratory viruses by direct immunofluorescence. D'Alessio D, et al. Appl Microbiol 20:233-9, Aug 70
Respiratory syncytial virus tissue culture immunofluorescence as a laboratory aid. Urquhart GE, et al. Arch Gesamte Virusforsch 32:365-72, 1970
Feline Syncytial Virus. Scott FW.
J Am Vet Med Assoc 158:Suppl 2:946-8, 15 Mar 71 (6 ref.)
Rapid diagnosis of respiratory syncytial virus infection in children by the immunofluorescent technique. Cradock-Watson JE, et al.
J Clin Pathol 24:308-12, May 71
The late detection of respiratory syncytial virus in cells of respiratory tract by immunofluorescence. Gardner PS, et al. J Hyg (Camb) 68:575-80, Dec 70
Direct immunofluorescent studies of infection with respiratory syncytial virus. Nagahama H, et al.
J Infect Dis 122:260-71, Oct 70
Isolation of bovine respiratory syncytial virus. Inaba Y, et al. Jap J Exp Med 40:473-4, Dec 70
R.S. virus in infants: isolations in general practice. Horn ME, et al. Lancet 2:663, 18 Sep 71
Respiratory syncytial and other viruses associated with respiratory disease in infants. Jacobs JW, et al.
Lancet 1:871-6, 1 May 71
Isolation of respiratory syncytial virus from cattle in Britain. Jacobs JW, et al. Vet Rec 88:694, 26 Jun 71
[Rhino-broncho-pulmonary infections due to syncytial respiratory virus in children] Gerbeaux J, et al.
Ann Pediatr (Paris) 17:760-8, 2 Nov 70 (Fre)
[Virological and serological studies of a series of cases of acute respiratory infections of pediatric age and of a control group] De Rosa F, et al.
Riv Ist Sieroter Ital 44:86-96, Jan-Apr 69 (Ita)
[Titration of neutralizing antibodies against the respiratory syncytial virus by means of the syncytium inhibition technic] Pauluzzi S, et al.
Riv Ist Sieroter Ital 44:64-74, Jan-Apr 69 (Ita)
[Fast postmortem diagnosis of adenovirus, para-influenza respiratory-syncytial virus diseases in children] Liarskaia TIa, et al.
Vopr Okhr Materin Det 16:81-2, Mar 71 (Rus)
[Clinico-virological comparisons in children with influenza] Strutsovskaia AL, et al.
Vopr Okhr Materin Det 15:19-22, Dec 70 (Rus)
[Conditions for plaque formation by respiratory-syncytial virus in monolayer tissue cultures] Solovef MA, et al.
Vopr Virusol 15:693-9, Nov-Dec 70 (Rus)

PATHOGENICITY

Influence of immunological factors in respiratory syncytial virus disease. Chanock RM, et al.
Arch Environ Health 21:347-55, Sep 70

RESPIRATORY SYSTEM (A4)

Hazard of self-inflating resuscitation bag. Baxter PJ, et al. Br Med J 2:589, 5 Jun 71
Complications of transtracheal aspiration. A case report. Massey JY.
J Arkansas Med Soc 67:254-6, Jan 71
Inhaled foreign bodies in childhood. (A review of 230 cases). Pyman C.
J Otolaryngol Soc Aust 3:170-80, Mar 71
Experimental studies on the effects of irritant gas and dust on the respiratory organs of gnotobiotes. Tanami J, et al. Jap J Hyg 25:310-6, Aug 70
Inhaled foreign bodies in childhood. A review of 230 cases. Pyman C. Med J Aust 1:62-8, 9 Jan 71
[Study of the penetration, distribution and flux of aerosols in the respiratory passages by use of radioisotopes] Freour P, et al.
Poumon Coeur 26:689-99, 1970 (Fre)
[Tracheo-broncho-oesophagoscopy for foreign bodies of the respiratory and the upper digestive tracts] Minnigerode B. HNO 19:33-40, Feb 71 (Ger)
[Physio-pathological correlations between the upper respiratory tract and the lower respiratory tract] Chieco A. G Clin Med 51:534-42, Jun 70 (Ita)
[Clinico-statistical data on children hospitalized for ingestion of toxic substances and foreign bodies in the period from 1959 to 1968] Canestri G, et al.
Minerva Pediatr 22:1682-5, 18 Aug 70 (Ita)
[Examination of the respiratory system in musicians playing wind instruments] Pawlowski Z, et al.
Otolaryngol Pol 24:435-41, 1970 (Pol)
[Plastic foreign bodies in the respiratory tract] Ukleja Z, et al. Wiad Lek 24:1027-9, 1 Jun 71 (Pol)
[Technic of aerosol anesthesia of the mucosa of the respiratory tract] Kovalev PV.
Voen Med Zh 12:61, Dec 70 (Rus)

ABNORMALITIES

Diagnostic catheter examinations of the newborn. Should these be done routinely? Quinn NJ Jr, et al.
Clin Pediatr (Phila) 10:251-6, May 71
[Malformative lobar emphysema in infants] Morin M, et al. J Radiol Electrol Med Nucl 52:288-90, May 71 (Fre)
[Clinically significant developmental abnormalities] Dietzsch HJ.
Z Erkr Atmungsorgane 133:265-72, Dec 70 (Ger)
[Developmental anomalies of the respiratory tract in children] Rudnik J, et al.
Gruzlica 38:881-98, Sep 70 (Pol)
[Congenital defects of the respiratory system] Da Silva IC. Rev Bras Med 26:689-90, Nov 69 (Por)
[Congenital defects of the respiratory tract] Silveira IC da. Rev Bras Med 27:67-8, Jan 70 (Por)

ANATOMY & HISTOLOGY

[Anatomy of the respiratory apparatus and its variations] Cabrol C.
J Radiol Electrol Med Nucl 50:582-6, Aug-Sep 69 (Fre)

CYTOLOGY

Cytology of the respiratory tract in advanced age. Plamenac P, et al.
Acta Cytol (Baltimore) 14:526-30, Sep-Oct 70
[Brush cells of the air pathways and of the alveolar region] Meyrick B, et al.
Poumon Coeur 25:207-12, 1969 (Fre)
[Ultrastructure and histophysiology of the respiratory tract] Stockinger L. Mikroskopie 26:83-98, Jul 70 (Ger)

DRUG EFFECTS

Effect of beta-adrenoceptive blocking agents on the response to bronchoconstrictor drugs in the guinea-pig air overflow preparation. Appendix describing a new modification of the air overflow method. Burden DT, et al.
Br J Pharmacol 41:122-31, Jan 71
Pharmacology of a new antianginal drug: perhexiline. 3. Bronchopulmonary system in the dog and humans. Feinsilver O, et al. Chest 58:558-61, Dec 70
Respiratory effects of subarachnoid and epidural block. Freund FG. Clin Anesth 2:97-107, 1969 (62 ref.)
Action of antibiotics on the respiratory tract. 3. Chloramphenicol. Benzi G, et al.
Farmaco [Sci] 25:714-8, Sep 70
Action of antibiotics on respiratory tract. IV. Tetracyclines and 4-epiderivatives. Benzi G, et al.
J Pharm Sci 60:321-3, Feb 71
Effects of CL 1848C, a new dissociative anesthetic, on the canine cardiovascular and respiratory systems. Traber DL, et al.
J Pharmacol Exp Ther 175:395-403, Nov 70
Changes in specific airway conductance in healthy volunteers following nasal and oral inhalation of SO2. Melville GN. West Indian Med J 19:231-5, Dec 70
[Effect of oxyfędrine and propranolol on cardiovascular dynamics and ventilation] Sternitzke N, et al. Brux Med 50:583-8, Sep 70 (Fre)

EMBRYOLOGY

Embryology made easy. 5. Development of the intestinal tract and related organs. Sheehan JM. Nurs Times 67:10-1, 7 Jan 71

GROWTH & DEVELOPMENT

Peak expiratory flow rates in children under 5 years of age. Milner AD, et al. Arch Dis Child 45:780-2, Dec 70

IMMUNOLOGY

Cell-mediated immunity and antibody responses in the respiratory tract after local and systemic immunization. Waldman RH, et al.
J Exp Med 134:482-94, 1 Aug 71
[Presence and synthesis of immunoglobulins in tissues of the gastro-intestinal and respiratory tracts, in the conjuctival and vaginal mucosa and in the skin] Aiuti F, et al. Progr Immunobiol Stand 4:297-307, 1970 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

INNERVATION

Apneustic respiration after unilateral brain stem lesions. Korczyn AD. Isr J Med Sci 7:295-7, Feb 71
Role of naso-buccal passages in thermoregulation in sheep. Phillips GD, et al.
J Physiol (Lond) 208:329-37, Jun 70
[Cardiovascular and respiratory vagal mechanoreceptors in the cat] Mei N.
Exp Brain Res 11:480-501, 1970 (Fre)
[Action of PO2 on afferent nerve activity arising from the pseudobranch of a teleost] Laurent P, et al.
J Physiol (Paris) 1:Suppl 1:145, 1969 (Fre)
[The autonomic nervous system and respiration] Jacobsen S, et al.
Tidsskr Nor Laegeforen 91:588-92, 20 Mar 71 (17 ref.) (Nor)
[Present-day views on central regulation of respiration] Karczewski W.
Acta Physiol Pol Suppl:61-80, 1970 (Pol)

MICROBIOLOGY

Mycoplasmas cultivated from the respiratory tract of Danish pigs. Friis NF. Acta Vet Scand 12:69-79, 1971
Factors influencing the establishment of the neonatal bacterial flora. II. The role of environmental factors. Evans HE, et al. Arch Environ Health 21:643-8, Nov 70
Rhinoviraemia. Urquhart GE, et al.
Br Med J 4:28-30, 3 Oct 70
A bacteriological study of the upper respiratory tract in normal families. Bridges-Webb C, et al.
Med J Aust 1:735-8, 3 Apr 71
Relationship of the birth canal to the bacterial flora of the neonatal respiratory tract and skin. Evans HE, et al. Obstet Gynecol 37:94-7, Jan 71
The anatomical area of involvement in streptococcal infections and the carrier state. Quinn RW, et al.
Yale J Biol Med 43:1-10, Aug 70
[Does a physiological respiratory flora exist? Can it be spared by use of a local antibiotic?] Larribaud J, et al.
Therapeutique 47:595-602, Jun-Jul 71 (Fre)
[Demonstration of Trichosporon cutaneum (de Beurm., Gougerot et Vaucher) OTA in the respiratory and digestive tract in miners with silicosis] Hantschke D, et al. Mykosen 14:425-7, 1 Sep 71 (Ger)
[The respiratory system and the microbial defence mechanisms] Mammarella L, et al.
Ann Med Nav (Roma) 74:125-40, Mar-Apr 69 (Ita)
[Microflora of the upper respiratory tract and state of immunity in patients with chronic tonsillitis treated with prodigiozan combined with antibiotics] Golosova GV, et al. Antibiotiki 15:946-50, Oct 70 (Rus)
[Histoautoradiographic study of the distribution of influenza A virus in respiratory organs of albino mice] Zhumatov KhZh, et al.
Biull Eksp Biol Med 70:27-30, Oct 70 (Rus)
[The microbial flora of the upper respiratory tracts in pneumonia in infants] Smerenskaia AV, et al.
Pediatriia 50:19-22, Mar 71 (Rus)

PATHOLOGY

[Air pollution. V. Changes in the upper respiratory tract caused by air pollution] Corvera J, et al.
Gac Med Mex 100:279-85, Mar 70 (Spa)

PHYSIOLOGY

Simulation of the regional deposition of aerosols in the respiratory tract. Melandri C, et al.
Am Ind Hyg Assoc J 32:52-7, Jan 71
Constant positive-pressure breathing and cardiorespiratory function. Colgan FJ, et al.
Anesthesiology 34:145-51, Feb 71
The effect of inhalation of citral and geraniol on the output and composition of respiratory tract fluid. Boyd EM, et al.
Arch Int Pharmacodyn Ther 188:5-13, Nov 70
Laryngospasm and respiratory changes in the cat produced by mechanical stimulation of the pharynx and respiratory tract: problems of intubation in the cat. Rex MA. Br J Anaesth 43:54-7, Jan 71
Steady-state simulation of the human respiratory system. Milhorn HT Jr, et al.
Comput Biomed Res 3:604-19, Dec 70
An on-line hybrid computing system for dynamic respiratory response studies. Swanson GD, et al.
Comput Biomed Res 4:205-15, Apr 71
The application of computers and mathematical methods to research on the function of the cardio-respiratory system. Goszcz W, et al.
Cor Vasa 13:32-42, 1971
Mechanical consequences of airway smooth muscle relaxation. Bouhuys A, et al.
J Appl Physiol 30:670-6, May 71
A noninvasive technique for measurement of airway conductance in small animals. Johanson WG Jr, et al.
J Appl Physiol 30:146-50, Jan 71
Partitioning of immediate ventilatory stability to added elactic loads in cats. Lynne-Davies P, et al.
J Appl Physiol 30:814-9, Jun 71
Total respiratory compliance in infants and children. Sharp JT, et al. J Appl Physiol 29:775-9, Dec 70
Measurement of human respiratory tract impedance at moderate forcing frequencies. Patrick GA, et al.
J Physiol (Lond) 206:1P-2P, Feb 70
A pneumotaxic centre in avian brain. Richards SA.
J Physiol (Lond) 207:57P-59P, Apr 70
How mosquito pupae escape from the surface. Houlihan DF. Nature (Lond) 229:489-90, 12 Feb 71
On the origin of respiratory waves in circulation. I. The role of the chest pump. Manoach M, et al.
Pfluegers Arch 325:40-9, 1971
Mechanoreception of the respiratory tract in rats. Korpáš J. Physiol Bohemoslov 19:403-7, 1970
Sensitivity to inflation of the respiratory system in the chicken. Eaton JA Jr, et al.
Resp Physiol 11:167-77, Jan 71
The ability of normal subjects to tolerate added inspiratory loads. Freedman S, et al.
Resp Physiol 10:213-35, Sep 70
[Tonicity of the respiratory musculature] Zajíc F, et al.
Cesk Fysiol 19:89-95, Sep 70 (Cze)
[The fate of aerosol particles in airways. Experimental study and clinical deductions] Fréour P, et al.
J Fr Med Chir Thorac 25:375-83, May-Jun 71 (Fre)
[Influence of the physical properties of respiratory gases upon the outflow system in the airways] Bargeton D, et al.
J Physiol (Paris) 1:Suppl 1:85, 1969 (Fre)
[Use of mass spectrometry to respiratory physiology and physiopathology] Colinet-Lagneaux D.
Rev Med Liege 24:347-51, 15 Apr 69 (Fre)
[Ventilation without suction?] Matějček J.
Anaesthesist 20:255-6, Jul 71 (Ger)
[Body plethysmography in childhood] Bachofen H, et al. Respiration 27:Suppl:84-7, 1970 (Ger)
[Physiological considerations on deep immersion in mixed helium-oxygen saturation] Moretti G.
Ann Med Nav (Roma) 75:387-94, Jul-Aug 70 (Ita)
[Production of lactic acid by the respiratory muscles] Mognoni P, et al.
Boll Soc Ital Biol Sper 47:92-4, 15 Feb 71 (Ita)
[Discriminative value of some parameters found in frogmen in their periodical medical examinations of physical fitness] Balestra V, et al.
G Ig Med Prev 11:40-5, Jan-Jun 70 (Ita)
[The physiology of adolescence] Paolucci G.
Minerva Pediatr 22:2057-68, 20 Oct 70 (Ita)
[Application of mathematical methods to the evaluation of the functional condition of the circulatory and respiratory system] Motyka K, et al.
Acta Physiol Pol 21:711-20, Sep-Oct 70 (Pol)
[Use of discriminant analysis for the differentiation of cardiorespiratory reactions in a group of girls and boys] Motyka K, et al.
Patol Pol 21:281-9, Jul-Sep 70 (Pol)
[Evaluation of the functional state of the blood circulation and respiratory systems during labor and early postpartum] Shevtsova EI.
Akush Ginekol (Mosk) 46:64-5, Sep 70 (Rus)
[Method and apparatus for determining the pressure capabilities of the respiratory muscles during inspiration and expiration] Alexandrov I, et al.
Fiziol Zh SSSR 57:135-7, Jan 71 (Rus)
[Determination of the coefficient of forced vital capacity of the lungs in children] Kokin VS.
Gig Sanit 35:115-6, Aug 70 (Rus)

PHYSIOPATHOLOGY

Transpulmonary pressure at full inspiration and and dynamics of the airways in patients with obstructive lung disease. Tammeling GJ, et al.
Am Rev Resp Dis 103:38-48, Jan 71
Cardiorespiratory patterns in complicated and uncomplicated septic shock: physiologic alterations and their therapeutic implications. Shoemaker WC.
Ann Surg 174:119-25, Jul 71
Acid regulation and CO2 retention. Filley GF.
Chest 58:Suppl 2:417+, Oct 70
The role of loss of lung recoil in chronic airflow obstruction. Leaver DG, et al. Clin Sci 40:13P, Mar 71
The role of acetylcholine in cardio-respiratory adaptations during hypothermia and rewarming. Nayar HS. Indian J Physiol Pharmacol 14:35-43, Jan 70
Some "minor" aspects of parkinsonism, especially pulmonary function. Paulson GD, et al.
Neurology (Minneap) 20:Suppl:14-7, Dec 70
Respiratory reflex changes in the rat after toxic injury of the lungs with croton and turpentine oil. Korpáš J, et al. Physiol Bohemoslov 19:413-6, 1970
Influence of experimental pleurisy on the character of reflexes from mechanoreceptors of the rat respiratory tract. Korpáš K, et al.
Physiol Bohemoslov 19:409-12, 1970
Respiratory function in sarcoidosis and other interstitial lung diseases with similar radiological appearance. Vale JR. Scand J Resp Dis 52:1-12, 1971
[Influencing of defensive reflexes of respiratory ways by chlorpromazine] Tomori Z.
Cesk Fysiol 19:281-5, Dec 70 (Cze)
[Interpretation of the changes in secondary maximal expiratory volume (VEMS) after an aerosol of acetylcholine and allergens in young asthmatics] Pham QT, et al.
J Fr Med Chir Thorac 22:533-42, Jul-Aug 68 (Fre)
[Use of mass spectrometry to respiratory physiology and physiopathology] Colinet-Lagneaux D.
Rev Med Liege 24:347-51, 15 Apr 69 (Fre)
[Functional cardiorespiratory criteria in pneumoconiosis in miners] Marcelle R.
Rev Med Liege 26:416-9, 15 Jun 71 (Fre)
[Physiopathological aspects of experimental exposure to elevated hyperbarism in inert gas saturation] Moretti G, et al.
Ann Med Nav (Roma) 75:331-64, Jul-Aug 70 (Ita)
[The autonomic nervous system and respiration] Jacobsen S, et al.
Tidsskr Nor Laegeforen 91:588-92, 20 Mar 71 (17 ref.) (Nor)

RADIATION EFFECTS

[Experimental study of the distribution of short-lived daughter products of radon in the respiratory tract] Kirichenko VN, et al. Gig Sanit 35:52-6, Feb 70 (Rus)

RADIOGRAPHY

[Use of x-ray analysis of the state of the respiratory system in neurology] Sadof'ev AI.
Zh Nevropatol Psikhiatr 71:529-34, 1971 (Rus)
[Radiography of respiratory tract in newborn infants] Rudhe U. Nord Med 84:1315, 8 Oct 70 (Swe)

RESPIRATORY TRACT DISEASES (C5)

Model for a pediatric respiratory disease center. Hsu KH, et al. Am Rev Resp Dis 102:834-6, Nov 70
Cigarette smoking among patients with respiratory disease. Mausner JS.
Am Rev Resp Dis 102:704-13, Nov 70
The training of the chest physician. Williams MH Jr.
Am Rev Resp Dis 103:730-1, May 71
Aspects of operability. Donleben PG.
Arch Chir Neerl 22:265-8, 1970
Medical staffing and training in chest diseases. Ridehalgh F. Br Med J 1:161-3, 16 Jan 71
Special services in accredited osteopathic hospitals for cardiovascular and chronic respiratory patients. Pekover J, et al.
J Am Osteopath Assoc 70:794-813, Apr 71
The changing pattern of granulomas of the upper respiratory tract. Friedmann I.
J Laryngol Otol 85:631-82, Jul 71 (105 ref.)
Chronic obstructive airways disease. Grant IW.
Lancet 2:49, 3 Jul 71
Airway obstruction. Bocles JS, et al.
Med Clin North Am 55:445-56, Mar 71 (33 ref.)
Comprehensive respiratory care: a reality. Krumholz RA. Ohio State Med J 67:333-8, Apr 71
Airway obstruction and collateral ventilation. Macklem PT. Physiol Rev 51:368-436, Apr 71 (333 ref.)
Snuffles in childhood. Edwards W.
Practitioner 205:768-78, Dec 70
Some reflections on the nature of "civilization diseases". Drbal C.
Sante Publique (Bucur) 4:361-70, 1970
[Metabolic and therapeutic study of respiratory contamination by various actinic solutions] Neñot JC, et al. Health Phys 20:167-77, Feb 71 (Fre)
[Hospital computer data on pulmonary pathology. Initial progress and their exigencies] Oudet P, et al.
J Fr Med Chir Thorac 25:467-76, May-Jun 71 (Fre)
[Société Française de la Tuberculose et des Maladies Respiratoires: membership list (1971)]
Rev Tuberc Pneumol (Paris) 35:77-96, Jan-Feb 71 (Fre)
[A new method for control of respiration] Bock WJ, et al. Biomed Tech (Stuttg) 16:48-50, Apr 71 (Ger)
[Controlled double blind studs f the effective usefiness of a nepical drug in the treatment o inflammation of the upper respiratory tract] Cordone G, et al.
Otorinolaringol Ital 37:365-74, Aug 69 (Ita)
[Physiopathology of the respiratory system in seamen] Rass Int Clin Ter 49:1191-2, 30 Sep 69 (Ita)
[Clinical research on exacerbation and progress in chronic obstructive lung diseases] Hioki T.
Bull Chest Dis Res Inst Kyoto Univ 3:120-9, Mar 70 (Jap)
[Recent progress in the study of respiratory tract diseases] Osajima S, et al.
Naika 27:81-7, Jan 71 (20 ref.) (Jap)
[Sinusbronchial pneumopathy and disturgances of posture in patients with sagittal anomalies of occlusion] Khoroshilkina Fla, et al.
Stomatologiia (Mosk) 49:65-7, Jul-Aug 70 (Rus)
[Sarcoidosis of the upper respiratory tract] Triantafilidi IG, et al.
Vestn Otorinolaringol 32:77-81, Jul-Aug 70 (Rus)
[Results of scientific research on the problem "age peculiarities of children's organism in normal and pathological state" in the Ukraine during 1969] Andrushchuk AO.
Pediatr Akush Ginekol 2:7-9, Mar-Apr 70 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

[Effects of acute respiratory diseases on histamine dynamics in the blood of infants] Tebenchuk GM. Pediatr Akush Ginekol 4:16-8, Jul-Aug 68 (Ukr)

CHEMICALLY INDUCED

Combined occupational exposure of silver brazers to cadmium oxide, nitrogen dioxide and fluorides at a naval shipyard. Mangold CA, et al. Am Ind Hyg Assoc J 32:115-8, Feb 71
Clinical, roentgenologic, and physiologic effects of acute chlorine exposure. Kaufman J, et al. Arch Environ Health 23:29-34, Jul 71
Respiratory effects of biological detergents. Gaffuri E. Br Med J 4:52, 3 Oct 70
Acute inhalation injury. Hampton TR. J R Nav Med Serv 57:4-9, Spring 71
A study of workers exposed to detergent enzymes. Weill H, et al. JAMA 217:425-33, 26 Jul 71
The dangers of proteolytic enzymes to workers. Gandevia B, et al. Med J Aust 1:1032-3, 8 May 71
[Effect of a weak concentration of chlorine dioxide on laboratory animals] Paulet G, et al. Arch Mal Prof 31:97-106, Mar 70 (Fre)
[An insidious danger: poisoning by vanadium or its compounds] Bruyns A. Brux Med 50:249-52, Apr 70 (Fre)
[First aid and transport of victims of toxic pulmonary aggressions] Cara M, et al. Poumon Coeur 26:1005-12, 1970 (54 ref.) (Fre)
[The cardiorespiratory function after bronchopneumopathies caused by irritant gases] Sessa T, et al. Poumon Coeur 26:1097-107, 1970 (Fre)
[Respiratory functional sequelae of ammonia poisoning. (8 cases)] Voisin C, et al. Poumon Coeur 26:1079-95, 1970 (Fre)
[Incidents with contrast media] Canigiani G. Wien Med Wochenschr 120:563-70, 15 Aug 70 (Ger)
[Industrial hygiene studies in galvanotechnical workshops. IV. Industrial medicine] Knoblich K, et al. Z Gesamte Hyg 16:742-8, Oct 70 (Ger)
[On some aspects of occupational pathology in workers engaged in the manufacture of proscillaridin A] Tomasini M, et al. Med Lav 61:594-8, Nov 70 (Ita)
[Clinical characteristics of the respiratory tract pathology in persons working with DDT] Bofko VG, et al. Zh Ushn Nos Gorl Bolezn 29:35-8, Jul-Aug 69 (Rus)
[Effects of phenthiurame on the mucous membrane of the upper respiratory tract and the eye under experimental conditions] Doroshenko PN, et al. Zh Ushn Nos Gorl Bolezn 29:38-43, Jul-Aug 69 (Rus)

CLASSIFICATION

[Progresses in the taxonomy and in the methods of early detection of chronic aspecific respiratory diseases] Lányi M. Z Erkr Atmungsorgane 133:465-9, Dec 70 (Ger)
[Classification of chronic nonspecific diseases of the respiratory organs in children] Tiurina NS, et al. Vopr Okhr Materin Det 16:77-80, Jan 71 (Rus)

COMPLICATIONS

Serologic evidence of a sporadic outbreak in Illinois of infection by Chlamydia (psittacosis-LGV agent) in patients with primary myocardial disease and respiratory disease. Sutton GC, et al. Am Heart J 81:597-607, May 71
Systemic diseases having ocular manifestations including metabolic disturbances. Schmidt I. Am J Optom 48:532-7, Jun 71 (42 ref.)
Upper respiratory obstruction and cot death. Cross KW, et al. Arch Dis Child 46:211-3, Apr 71
Chest deformity, residual airways obstruction and hyperinflation, and growth in children with asthma. II. Significance of chronic chest deformity. Gillam GL, et al. Arch Dis Child 45:789-99, Dec 70
Chest deformity, residual airways obstruction and hyperinflation, and growth in children with asthma. I. Prevalence findings from an epidemiological study. McNicol KN, et al. Arch Dis Child 45:783-8, Dec 70
Another curse of Ondine. Lyons HA. Chest 59:590-1, Jun 71
Upper airway obstruction as a cause of pulmonary hypertension. (A case report). Anand NK, et al. Indian Pediatr 7:519-23, Sep 70
Cough syncope: case presentation and review. Aaronson DW, et al. J Allergy 46:359-63, Dec 70
Patterns of maladaptation and respiratory illness. Jacobs MA, et al. J Psychosom Res 15:61-72, Mar 71
Virus infections and the natural history of chronic obstructive lung disease. Klaer W, et al. Pneumonologie 142:1-6, 1970
A study of recurrent bronchitis in childhood. Gregg I. Respiration 27:Suppl:133-8, 1970
The pathophysiology of chronic respiratory failure. Berglund E. Scand J Resp Dis [Suppl] 72:Suppl 72:13+, 1970
[Influence of repeated chronic diseases of respiratory tract on the weight in childhood] Nováková M, et al. Cesk Pediatr 26:115-6, Mar 71 (Cze)
[Fibrinolysis associated with chronic respiratory disorders] Brun J, et al. Lyon Med 221:1083-4 passim, 4 May 69 (Fre)
[Cor pulmonale in respiratory tract diseases in childhood] Stoermer J. Z Erkr Atmungsorgane 133:308-13, Dec 70 (Ger)
[Clinical trial of the antitussive action of an association of codeine plus phenylitoloxamine] Dotti A. G Ital Mal Torace 24:147-57, May-Jun 70 (Ita)
[Internal medical problems in pneumology] Ferrari-Sacco A, et al. Minerva Med 61:5195-200, 14 Nov 70 (Ita)
[Dysgammaglobulinemia in children with protracted respiratory diseases] Rajtar-Leontiew Z, et al. Gruzlica 39:339-45, Apr 71 (Pol)
[Pathogenesis of hemorrhage in certain surgical diseases] Kal'chenko II, et al. Klin Khir 6:8-13, Jun 70 (Rus)
[Problem of mucoviscidosis in children with diseases of the respiratory organs and diagnostic value of several tests] Kapranov NI. Vopr Okhr Materin Det 15:55-9, Jun 70 (Rus)
[Diseases accompanying acute cholecystitis in elderly and aged patients] Zavernyĭ LG. Vrach Delo 44-7, Jan 71 (Rus)

CONGENITAL

The G syndrome. Little JR, et al. Am J Dis Child 121:505-7, Jun 71
[Developmental anomalies of the respiratory tract in children] Rudnik J, et al. Gruzlica 38:881-98, Sep 70 (Pol)
[Congenital defects of the respiratory tract] Silveira IC da. Rev Bras Med 27:67-8, Jan 70 (Por)

DIAGNOSIS

LS-MFT: lung screening by meaningful function testing. I. Discher DP. Am J Public Health 60:2118-32, Nov 70
Comprehensive respiratory information system for clinical investigation of respiratory disease. Naimark A, et al. Am Rev Resp Dis 103:229-39, Feb 71
The functional significance of clinical signs in diffuse airway obstruction. Forgacs P. Br J Dis Chest 65:170-7, Jul 71 (11 ref.)
The assessment of airflow obstruction. Role of measurements of airways resistance and of tests of forced expiration. Pride NB. Br J Dis Chest 65:135-69, Jul 71 (33 ref.)
Method of measurement of circulatory and respiratory function based on the electronic technique. Goszcz W, et al. Bull Pol Med Sci Hist 14:37-42 passim, Jan 71
Special methods of diagnosing and treating obstructive diseases of the central airways. Hørzog H, et al. Chest 60:49-67, Jul 71
Licensing the driver with respiratory dysfunction. Stock MS, et al. Chest 59:451-2, Apr 71
Always be thorough. Kushnick T. Clin Pediatr (Phila) 10:293-4, May 71
Screening and treatment program for mild chronic obstructive pulmonary disease. Baker TR, et al. JAMA 214:1448-55, 23 Nov 70
Acute foreign body laryngo-tracheal obstruction: a cause for sudden and unexpected death in children. Steichen FM, et al. Pediatrics 48:281-5, Aug 71
Pulmonary mechanics in asthma and cystic fibrosis. Zapletal A, et al. Pediatrics 48:64-72, Jul 71
The clinical assessment of the respiratory system by the physiotherapist, including reference to the use of the stethoscope. Baskett PJ. Physiotherapy 57:319-22, Jul 71
The significance of dysplastic epithelial cells in bronchial secretion. Zajączkowska J, et al. Pol Med J 10:502-6, 1971
A new method of quantitating pulmonary air leaks. Bonchek LI. Rev Surg 27:300, Jul-Aug 70
Population screening as a personalized method of health education. Hawthorne VM. Soc Sci Med 3:653-8, Apr 70
[Bronchoscopy in acute diseases of the respiratory system] Tomínek A, et al. Cesk Gastroenterol Vyz 25:65-6, Mar 71 (Cze)
[Experiences with pulmonary scintigraphy in children] Wiedermann M, et al. Cesk Pediatr 26:287-90, Jun 71 (Cze)
[Value of spirometry in the detection of respiratory disorders in children] Novakova M, et al. Arch Belg Med Soc 27:394-401, Jun 69 (Fre)
[Systematic examinations of the respiratory system among hospital personnel] Doumert J, et al. Arch Mal Prof 30:618-36, Oct-Nov 69 (Fre)
[Overview of 12 years' respiratory screening in occupational medicine] Monteyrol G. Arch Mal Prof 32:313-5, Mar 71 (Fre)
[Value and limitations of pulmonary scintigraphy using albumin macroaggregates labeled with iodine 131] Lamy P, et al. J Fr Med Chir Thorac 24:707-14, Sep-Oct 70 (Fre)
[Use of the scanning camera for the quantitative study of pulmonary perfusion] Yernault JC, et al. Poumon Coeur 26:791-8, 1970 (Fre)
[The place of biopsy in diagnosis of respiratory diseases] Favez G, et al. Rev Med Suisse Romande 90:309-24, Apr 70 (Fre)
[Value of biometric investigations in pneumology] Ledoux A, et al. Sem Hop Paris 47:1769-77, 8 Jun 71 (Fre)
[Can the VC (vital capacity)-time of the pneumometer replace the relative 1st-second capacity?] Börngen U. Aerztl Forsch 25:260-7, 10 Aug 71 (Ger)
[Analysis of lung function] Riegel K. Monatsschr Kinderheilkd 117:613-5, Oct 69 (Ger)
[Variations in the reactivity of the skin and bronchial mucosa against antigen extracts at various ages] Debelic M, et al. Respiration 27:Suppl:178-82, 1970 (Ger)
[1st results of nuclear medical respiratory function diagnosis] Riccabona G, et al. Wien Klin Wochenschr 82:765-9, 18 Oct 70 (Ger)
[Behavior of the intrathoracic cavity in passage of low-frequency sound and its diagnostic importance. 3. Comparative clinical-physiological examinations in changed respiratory mechanics] Böhme H. Z Erkr Atmungsorgane 132:315-23, 1970 (Ger)
[Clinically significant developmental abnormalities] Dietzsch HJ. Z Erkr Atmungsorgane 133:265-72, Dec 70 (Ger)
[Epidemiologic study on the prevalency of symptoms, which suggest a chronic nonspecific disease of the respiratory organs, in Berlin-Weissensee, November 1967--May 1968] Eule H. Z Erkr Atmungsorgane 133:218-20, Dec 70 (Ger)
[Indication for bronchologic examinations in infants] Händel D, et al. Z Erkr Atmungsorgane 133:370-5, Dec 70 (Ger)
[Progresses in the taxonomy and in the methods of early detection of chronic aspecific respiratory diseases] Lányi M. Z Erkr Atmungsorgane 133:465-9, Dec 70 (Ger)
[Exfoliative cytology of alveolar origin] Daddi G, et al. Ann Ist Carlo Forlanini 29:89-95, 1969 (Ita)
[Physio-pathological correlations between the upper respiratory tract and the lower respiratory tract] Chieco A. G Clin Med 51:534-42, Jun 70 (Ita)
[Statistical data and considerations on check-up examinations of a group of aged subjects] Baldoni E, et al. Minerva Med 62:1016-21, 10 Mar 71 (Ita)
[Functional and instrumental symtometology of the respiratory system in childhood] Di Toro R. Pediatria (Napoli) 78:751-68, 1970 (Ita)
[Respiratory distress of the newborn infant--differential diagnosis by symptoms] Fujii T. Sanfujinka Jissai 20:643-8, Jun 71 (Jap)
[Spirometric tests in epidemiological studies on chronic non-specific respiratory diseases] Wysocki M. Pol Tyg Lek 25:1912-5, 7 Dec 70 (28 ref.) (Pol)
[The current status of the problem of sarcoidosis of the respiratory organs] Rabukhin AE, et al. Klin Med (Mosk) 49:101-8, Mar 71 (Rus)
[Bronchoscopy in the diagnosis of respiratory tract diseases] Belen'kiĭ MS, et al. Zh Ushn Nos Gorl Bolezn 31:68-70, May-Jun 71 (Rus)
[Spirometry as a method for the evaluation of the functional condition of the lungs in respiratory tract diseases] Kotevski LJ, et al. God Zb Med Fak Skopje 16:51-62, 1970 (Ser)
[Clinical correlation between pulmonary scanning and angiography] Amadey E, et al. Medicina (B Aires) 30:470-8, Sep-Oct 70 (Spa)

DRUG THERAPY

The status of bronchodilator treatment. Clark TJ. Postgrad Med J 47:Suppl:50-3, Mar 71
Oral salbutamol as a supplement too inhaled aerosol in obstructive respiratory disease. Vale JR. Scand J Resp Dis 52:58-62, 1971
[Use of solumedrol in pediatrics. Apropos of 45 cases] Cotton JB. Lyon Med 225:251-4, 14 Feb 71 (Fre)
[Corticotherapy in nontuberculous diseases of the respiratory tract. Indications and results] Chenebault J. Maroc Med 49:512-6, Aug-Sep 69 (Fre)
[Corticotherapy in respiratory pathology: use of 16-beta-methyl prednisone] Arnaud A, et al. Mars Med 107:855-9, 1970 (Fre)
[A new salt of tetracycline (summary of clinical evaluation)] Dumon G, et al. Mars Med 107:851-3, 1970 (Fre)
[Clinical trials of celestene-chronodose] Ollagnier C, et al. Rev Lyon Med 19:449-59, 15 Jun 70 (Fre)
[Current therapeutics in clinical medicine] Cauwenberge H van. Rev Med Liege 24:437-44, 1 Jun 69 (Fre)
[Value of oxeladine citrate as an antitussive drug in pneumology] Sors C. Therapeutique 45:164-5, Feb 69 (Fre)
[The behavior of respiratory resistance in airway obstruction after inhalation of N, N'-bis-(2-(3'4'-dihydroxyphenyl)-2-hydroxyethyl)-hexamethylenediamine] Thiede D, et al. Arzneim Forsch 21:416-21, Mar 71 (Ger)
[Inhalation therapy using glucocorticosteroids] Ferlinz R. Med Klin 66:716-22, 7 May 71 (Ger)
[Experience with vibramycin in respiratory tract diseases, with special reference to bronchitis therapy] Jilg S, et al. Med Welt 23:972-4, 5 Jun 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Therapy of chronic-obstructive ailments of the respiratory tract] Virchow C, et al.
Praxis 59:24-8, 6 Jan 70 (Ger)
[Hetacillin in nonspecific inflammatory lung diseases] Krieger E, et al.
Ther Ggw 110:212-4 passim, Feb 71 (Ger)
[Spirographic results in clinical administration of hexoprenalin] Pali H, et al.
Wien Klin Wochenschr 83:117-21, 19 Feb 71 (Ger)
[New treatment possibilities in obstructive respiratory tract diseases] Rambauske F.
Wien Med Wochenschr 121:36-7, 16 Jan 71 (Ger)
[Secretolysis through gelomyrtol] Kurz JF.
Z Allgemeinmed 46:1623-7, 20 Nov 70 (8 ref.) (Ger)
[Aerosols in medicine] Pickroth G.
Z Erkr Atmungsorgane 132:355-68, 1970 (175 ref.) (Ger)
[Modification of steroid and corticotropin therapeutic administration in some inferior chronic aspecific respiratory affections (I.C.A.R.A.)] Rambaldi M, et al.
Arch Monaldi 25:458-517, Nov-Dec 70 (Ita)
[On the value and effectiveness of the use of an association of an isoproterenol derivative and calcium iodide in respiratory tract diseases in the aged] Barbieri R, et al.
Minerva Med 62:1858-69, 5 May 71 (Ita)
[Clinical results in pneumology of a new antibiotic-balsamic association in oral administration] Seccia A, et al. Minerva Med 62:2962-7, 18 Aug 71 (Ita)
[On iatrogenic damage caused by chemoantibiotic therapy of chronic bronchopneumopathies] Serra C.
Minerva Med 62:770-5, 24 Feb 71 (Ita)
[Broncholytic effect of oral and inhalation administered salbutamol] Vale JR.
Nord Med 85:728, 10 Jun 71 (Nor)
[Further clinical experiments with rondomycin] Lankosz J. Przegl Lek 26:685-9, 1970 (Pol)
[I. Doxycycline in therapy of acute respiratory diseases. II. Contributions to the laboratory study of doxycycline] Căruntu V, et al.
Med Interna (Bucur) 22:959-68, Aug 70 (Rum)
[Effect of vitamin B 12 administered by aerosol on various spirographic functional components] Ruiz Benítez G, et al. Rev Clin Esp 117:483-8, 15 Jun 70 (Spa)
[Effect of administration of ethonium aerosols in respiratory tract diseases in infants and small children] Motuz TA, et al.
Pediatr Akush Ginekol 5:17-9, Sep-Oct 70 (Ukr)
[Use of rondomycin and vibramycin in respiratory tract diseases in children] Popova NI.
Pediatr Akush Ginekol 5:16-7, Sep-Oct 70 (Ukr)
[Comparative study of the bronchospasmolytic effect of alupent and aleudrine by spirometric examination of pulmonary ventilation] Juričić V.
Lijec Vjesn 92:217-22, 1970 (Cro)

ETIOLOGY

Obstructive airway disease in patients with treated pulmonary tuberculosis. Snider GL, et al.
Am Rev Resp Dis 103:625-40, May 71
The respiratory effects of regular cigarette smoking in women. Woolf CR, et al.
Am Rev Resp Dis 103:26-37, Jan 71
Airway obstruction. Shaw EA.
Anaesthesia 26:368-9, Jul 71
Fatal mediastinitis following retropharyngeal abscess. Janecka IP, et al. Arch Otolaryngol 93:630-3, Jun 71
Epiglottic abscess. Fatal acute airway obstruction in an adult. Sopher IM, et al.
Arch Otolaryngol 93:533-5, May 71
The association of cigarette smoking with respiratory symptoms and pulmonary function in a group of high school students. Addington WW, et al.
J Okla State Med Assoc 63:525-9, Nov 70
Airway obstruction due to a large laryngeal granular cell myoblastoma. Miglets AW, et al.
Laryngoscope 81:971-8, Jun 71
The dangers of proteolytic enzymes to workers. Simson RE, et al. Med J Aust 1:1242-3, 5 Jun 71
Human costs of polluted air. Kilburn KH.
Med Times 98:156-70, Sep 70
Abuse of the air. Gunn AD.
Nurs Times 67:197-8, 18 Feb 71
Acute airway obstruction in infectious mononucleosis. Gutgesell HP Jr. Pediatrics 47:141-3, Jan 71
Foreign-body aspiration. Rosenow EC 3d.
Postgrad Med 49:164-7, May 71
Respiratory manifestations of rheumatoid arthritis. Sluis-Cremer GK.
S Afr Med J 44:843-6, 18 Jul 70 (32 ref.)
[Noxious environmental pollutants and severe chronic respiratory insufficiency] Laval P, et al.
J Fr Med Chir Thorac 22:521-32, Jul-Aug 68 (Fre)
[Thoracic manifestations of leucosis and dysglobulinemia (apropos of 12 cases)] Oudet P, et al.
J Fr Med Chir Thorac 24:643-55, Sep-Oct 70 (Fre)
[Respiratory problems during the postoperative period] Prodescu V, et al.
Lyon Chir 65:668-73, Sep-Oct 69 (Fre)
[Lung and tobacco] Fournier E, et al.
Poumon Coeur 26:1109-25, 1970 (Fre)
[Bronchogenic cysts compressing the bronchial tree in children] Ribet M, et al.
Presse Med 78:2131-3, 14 Nov 70 (Fre)
[Experimental foundations of psychosomatic medicine. 3. Pneumology] Koninckx N.
Rev Med Liege 23:207-10, 1 Apr 68 (Fre)
[Etiology of so-called viral, human respiratory tract diseases] Paccaud MF.
Rev Med Suisse Romande 91:347-60, May 71 (Fre)
[Atmospheric pollutions and their role in respiratory pathology] Fournier P.
Therapeutique 47:395-8, Apr 71 (Fre)
[Complications of inhalation therapy] Desnoyers Y.
Union Med Can 99:1885-8, Oct 70 (Fre)
[Respiratory disturbances in blunt thoracic trauma. Results of respirator ventilation] Benzer H, et al.
Pneumonologie 143:295-8, 1970 (Ger)
[Respiratory disorders in blunt trauma of the thorax. Introduction and problems] Jenny H.
Pneumonologie 143:263-6, 1970 (Ger)
[Prodromal symptoms in childhood in chronic unspecific diseases of the respiratory tract. Comparative studies on premonitory allergic and infectious symptoms in childhood in patients with chronic unspecific diseases of the respiratory tract] Virchow C, et al.
Respiration 27:Suppl:157-62, 1970 (Ger)
[Lung diseases in early childhood and their peculiarities] Weingärtner L.
Z Erkr Atmungsorgane 133:296-307, Dec 70 (Ger)
[For a physiopathological interpretation of some aspects of respiratory pathology in the pediatric age] Babolini G. Arch Monaldi 25:83-98, Mar-Apr 70 (Ita)
[Epidemiological studies of the effect of exposure to air pollution on road workers] Kanitz S, et al.
G Ig Med Prev 10:129-44, Apr-Jun 69 (Ita)
[Psycho-physical behavior of cosmonauts during space flight] Lomonaco T.
Minerva Med 61:5707-22, 12 Dec 70 (Ita)
[Neonatal respiratory syndrome caunsed by diphragmatic hernia] Normale M, et al.
Pediatria (Napoli) 77:728-38, 1969 (Ita)
[5 cases of talc aspiration] Paoli F, et al.
Riv Clin Pediatr 81:1129, Nov-Dec 68 (Ita)
[Endotracheal intubation and airway obstruction] Kemmotsu O, et al.
Jap J Anesthesiol 20:259-64, Mar 71 (Jap)
[Rhinopathies and endocrine dysfunctions] Poch Viñals R.
Acta Otorinolaryngol Iber Am 21:251-69, 1970 (Spa)
[Evaluation of surgical risks. II. Respiratory aspects] Rivero-Serrano O.
Gac Med Mex 100:934-7, Sep 70 (Spa)
[Mucoviscidosis: its respiatory repercussions] Agusti A. Prensa Med Argent 57:951-2, 10 Jul 70 (Spa)

FAMILIAL & GENETIC

[Urbach-Wiethe disease] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:401-3, 1969 (Fre)
[Urbach-Wiethe disease] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:197-8, 1969 (Fre)
[Clinical symptoms, differential diagnosis and therapy of lipoid-proteinosis (Wiethe-Urbach)] Vendég V, et al.
Monatsschr Ohrenheilkd Laryngorhinol 105:74-84, Feb 71 (Ger)

HISTORY

A historical review of chest diseases. Smart J.
Trans Med Soc Lond 86:1-19, 1970

IMMUNOLOGY

Analysis of sputum for presence of pharmacologically active substances in cases of bronchial asthma and other respiratory diseases. Sen P, et al.
Allerg Asthma (Leipz) 16:80-3, 1970
Pemphigus of the upper respiratory tract. Charow A, et al. Arch Otolaryngol 93:209-10, Feb 71

METABOLISM

The values of polarographically active proteinaceous substances in the sweat of children. Tomášová H, et al.
Acta Univ Carol [Med] (Praha) 14:225-8, 1968
Impaired water handling in chronic obstructive airways disease. White RJ, et al. Br Med J 2:561-3, 5 Jun 71
[Changes of acid-base equilibrium in chronic respiratory diseases of children] Houštěk J, et al.
Bratisl Lek Listy 54:668-74, Dec 70 (Cze)
[Histochemical changes of placenta in influenza and acute respiratory tract diseases] Manisimova IuM.
Pediatr Akush Ginekol 4:35-9, Jul-Aug 68 (Ukr)
[Effects of acute respiratory diseases on histamine dynamics in the blood of infants] Tebenchuk GM.
Pediatr Akush Ginekol 4:16-8, Jul-Aug 68 (Ukr)

MICROBIOLOGY

Detection of viraemia in acute respiratory disease of man. Rocchi G, et al.
Acta Virol (Praha) 14:405-7, Sep 70
Clinical and virological investigations of acute respiratory disease in children outside hospital. Blair W, et al. J R Coll Gen Pract 20:27-31, Jul 70
[Clinical studies on Haemophilus in respiratory diseases in children. I. Results of isolation of Haemophilus from the culture of the pharyngeal washings] Nomoto Y.
Acta Paediatr Jap 75:255-63, Apr 71 (Jap)
[Clinical studies on Haemophilus in respiratory diseases in children. 2. Antibiotic sensitivity of Haemophilus influenzae] Nomoto Y.
Acta Paediatr Jap 75:264-8, Apr 71 (Jap)

MORTALITY

An epidemiologic study of an oil mist exposure. Goldstein DH, et al.
Arch Environ Health 21:600-3, Nov 70
Predictors of mortality in the adult population of Tecumseh. Higgins MW, et al.
Arch Environ Health 21:418-24, Sep 70
Mortality in the chrysotile asbestos mines and mills of Quebec. McDonald JC, et al.
Arch Environ Health 22:677-86, Jun 71
Wind flow and respiratory mortality in Los Angeles. Mahoney LE Jr. Arch Environ Health 22:344-7, Mar 71
Recent mortality trends for emphysema and other chronic respiratory diseases.
Stat Bull Metropol Life Ins Co 51:3-6, Aug 70
[Current fatal respiratory pathology in Italy (tuberculosis and neoplasms excluded). I] Antonini A. Lotta Tuberc 40:319-24, Jul-Sep 70 (Ita)
[Current fatal respiratory pathology in Italy (tuberculosis and neoplasms excluded). II] Antonini A. Lotta Tuberc 40:327-45, Jul-Sep 70 (Ita)
[Air pollution and mortality of respiratory tract diseases. Considerations on the decade 1959-1968 in the province of Pescara] Franco P.
Minerva Med 62:934-8, 3 Mar 71 (Ita)
[Epidemiology of infant deaths due to diseases of the respiratory system in the Americas and Chile] Montoya C, et al.
Bol Of Sanit Panam 69:399-409, Nov 70 (Spa)
[Air pollution. IV. Epidemiological aspects of air pollution] Ordóñez BR.
Gac Med Mex 100:266-79, Mar 70 (Spa)

OCCURRENCE

Cigarette smoking and acute non-influenzal respiratory disease in military cadets. Finklea JF, et al.
Am J Epidemiol 93:457-62, Jun 71
Chronic nonspecific respiratory disease, Berlin, New Hampshire, 1961-1967: a cross-sectional study. Ferris BG Jr, et al. Am Rev Resp Dis 104:232-44, Aug 71
The prevalence of chronic bronchitis, chronic airway obstruction, and respiratory symptoms in a Colorado city. Mueller RE, et al.
Am Rev Resp Dis 103:209-28, Feb 71
Studies on respiratory disease at Fort Ord, Calif., 1957-1968. Lennette EH, et al.
Arch Environ Health 21:321-7, Sep 70
A long-term follow-up of respiratory symptoms and ventilatory function in a group of working men. Howard P. Br J Ind Med 27:326-33, Oct 70
Patterns of respiratory illness in Sheffield junior schoolchildren. A follow-up study. Lunn JE, et al.
Br J Prev Soc Med 24:223-8, Nov 70
Respiratory disease in childhood. Colley JR.
Br Med Bull 27:9-14, Jan 71 (28 ref.)
International studies in chronic respiratory disease. Reid DD, et al. Br Med Bull 27:59-64, Jan 71 (28 ref.)
Smoking and chronic respiratory disease: finding in surveys carried out in 1957 and 1966 in Staveley in Derbyshire, England. Higgins IT, et al.
Chest 59:Suppl:34S+, May 71
Chronic respiratory disease among nonsmokers in Hagerstown, Maryland. I. Design of the study and prevalence of symptoms. Stebbings JH Jr.
Environ Res 4:146-62, Apr 71
The Chattanooga school children study: effects of community exposure to nitrogen dioxide. II. Incidence of acute respiratory illness. Shy CM, et al.
J Air Pollut Control Assoc 20:582-8, Sep 70
Opportunities for studies of cardio-respiratory diseases in migrants. Kagan A.
J Chronic Dis 23:335-44, Nov 70
Studies on pulmonary function and respiratory tract symptoms of workers in an iron ore mine where diesel trucks are used underground. Jörgensen H, et al.
J Occup Med 12:348-54, Sep 70
The Carterton study. 6. Patterns of vascular, respiratory, rheumatic and related abnormalities in a sample of New Zealand European adults. Prior IA, et al. NZ Med J 71:169-77, Sep 70
A community survey of respiratory disease among East Indian and African adults in Guyana. Miller GJ, et al.
Thorax 26:331-8, May 71
[Epidemiology of chronic nonspecific respiratory diseases (CNRD): the problem and methods of studying it] Van Ganse W.
Arch Belg Med Soc 27:375-87, Jun 69 (Dut)
[Air pollution and chronic nonspecific respiratory diseases (CNRD)] Vuylsteek K.
Arch Belg Med Soc 27:388-93, Jun 69 (Dut)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Respiratory sympatomatology in epidemiology: results of a survey conducted in a Brussels bank] Kornitzer M, et al.
Acta Tuberc Pneumol Belg 61:481-506, 1970 (Fre)
[Data and correlations of an epidemiologic study on the incidence of characteristic symptoms of chronic, nonspecific respiratory diseases] Jancik E.
Rev Tuberc Pneumol (Paris) 34:749-52, Jul-Aug 70 (Fre)
[Pneumonial changes of the lung in accumulated occurrence of upper respiratory tract diseases during the year 1969 in Rostock] Kröger W, et al.
Dtsch Gesundheitsw 25:1648-50, 27 Aug 70 (Ger)
[Analysis of respiratory virus infection in GDR (2d quarter, 1970)] Starke G, et al.
Dtsch Gesundheitsw 25:2234-7, 19 Nov 70 (Ger)
[Influence of the seasonal changes of air pollution and of weather-factors on the incidence of chronic non-specific respiratory diseases. VI] Reichel G, et al.
Int Arch Arbeitsmed 27:130-54, 1970 (Ger)
[Influence of income and residential conditions on the incidence of non-specific respiratory diseases. 8] Reichel G, et al.
Int Arch Arbeitsmed 27:185-94, 1970 (Ger)
[Influence of the locally different grade of pollution in the township of Duisburg on the incidence of non specific respiratory diseases. V. Communication] Reichel G, et al.
Int Arch Arbeitsmed 27:110-29, 1970 (Ger)
[Occupational stress and incidence of non-specific respiratory diseases. VII] Reichel G, et al.
Int Arch Arbeitsmed 27:155-84, 1970 (Ger)
[Influence of smoking habits on the incidence of non-specific respiratory diseases. 3] Reichel G, et al.
Int Arch Arbeitsmed 27:49-72, 1970 (Ger)
[Influence of age, sex and weight on the incidence of non-specific respiratory diseases. II] Ulmer WT, et al.
Int Arch Arbeitsmed 27:27-48, 1970 (Ger)
[Regional incidence of non-specific respiratory diseases. IV] Ulmer WT, et al.
Int Arch Arbeitsmed 27:73-109, 1970 (Ger)
[Epidemiologic study on the prevalency of symptoms, which suggest a chronic nonspecific disease of the respiratory organs, in Berlin-Weissensee, November 1967--May 1968] Eule H.
Z Erkr Atmungsorgane 133:218-20, Dec 70 (Ger)
[Observations and results of the epidemiology of nonspecific respiratory disorders] Poesner W.
Z Gesamte Hyg 16:545-52, Jul 70 (Ger)
[The role of smoking and upper respiratory diseases in chronic bronchitis of coal miners of Pécs] Háber J, et al. Orv Hetil 112:1344-8, 6 Jun 71 (Hun)
[The incidence of chronic nonspecific respiratory diseases in the rural population] Kraszkó P, et al.
Orv Hetil 111:2236-8, 20 Sep 70 (Hun)
[Clinico-statistical findings on chronic pathology of solderers] Salamone L, et al.
Folia Med (Napoli) 52:511-25, Aug 69 (Ita)
[Studies of the morbidity of the respiratory tract in the zones of the city of Pescara with the greatest air pollution. Preliminary note] Cortesani G.
Minerva Med 62:939-40, 3 Mar 71 (Ita)
[Correlation between FEV 0.75 and FEV 1.0 in the populations at 2 different places of employment] Jedrychowski W, et al. Przegl Lek 27:314-6, 1971 (Pol)
[Morbidity of respiratory organs in workers of the Frunze highway construction administration] Erusalimskif EI, et al.
Sov Zdravookhr Kirg 3:39-42, May-Jun 70 (Rus)
[Occurrence of respiratory diseases in workers from the Kadamdzhafskif antimony mine] Erusalimskif EI, et al. Sov Zdravookhr Kirg 4:55-8, Jul-Aug 70 (Rus)
[Chronic bronchitis, vasomotor rhinitis and allergic manifestations on the respiratory organs and tissues in the population of Kriva Feja] Zivković M, et al.
Srp Arh Celok Lek 97:903-8, Sep 69 (Ser)

PATHOLOGY

[Cytologic aspects of non-tumorous broncho-pulmonary disorders] Leduc M, et al.
Lille Med 14:1143-51, Dec 69 (Fre)
[Changes in the endocrine glands in cases of sudden death from acute respiratory diseases in early infancy (histological and histochemical studies). II] Mitiaeva NA. Sud Med Ekspert 13:12-7, Oct-Dec 70 (Rus)
[Changes in the endocrine glands in sudden death of infants from acute respiratory diseases (histological and histochemical data). 3] Mitiaeva NA.
Sud Med Ekspert 14:18-21, Jan-Mar 71 (Rus)

PHYSIOPATHOLOGY

Right and left ventricular performance in chronic obstructive lung disease. Khaja F, et al.
Am Heart J 82:319-27, Sep 71
Intrapulmonary gas distribution. A comparison of the helium mixing time and nitrogen single breath test in normal and diseased subjects. Hathirat S, et al.
Am Rev Resp Dis 102:750-9, Nov 70
Airway "hyperreactivity" relation to autonomic reflexes. Simonsson BG.
Bronches 18:436-8, Nov-Dec 68
Factors determining the ventilatory response to carbon dioxide in chronic obstructive airways disease. King TK, et al. Clin Sci 39:653-62, Nov 70
Occurrence of a deep breath after a period of airway oclusion. Sant'Ambrogio G, et al.
Pfluegers Arch 327:95-104, 1971
Tracheo-bronchial collapsibility, an in-vivo and ex-vivo study. Bryant LR, et al. Respiration 27:74-85, 1970
The relation between spirometric measurements and arterial blood gas analysis in patients with chronic airflow obstruction. Shibel EM, et al.
Thorax 25:598-603, Sep 70
[The presence of the "surfactant-system" in the lung as a condition for the repression of upper respiratory tract diseases. 3. Clinical material] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1533-8, 11 Sep 71 (Dut)
[Electrocardiographic, hemodynamic and respiratory function correlations in chronic bronchopneumopathy (46 cases)] Warembourg H, et al. Lille Med 14:1152-66, Dec 69 (Fre)
[Respiratory functional sequelae of ammonia poisoning. (8 cases)] Voisin C, et al.
Poumon Coeur 26:1079-95, 1970 (Fre)
[Value of microcatheterization with floating catheter in functional survey of respiratory disorders] Tourreau A, et al.
Rev Tuberc Pneumol (Paris) 34:107-16, 1970 (Fre)
[Various aspects of obstructions of the air-ways] Real FJ. Respiration 27:Suppl:71-5, 1970 (Ger)
[Changes in pulmonary surface tension in pulmonary diseases with respiratory tract obstruction] Yoshimura M, et al.
J Jap Med Assoc 66:66-70, 1 Jul 71 (Jap)
[Comparative assessment of several ventilatory indices used in epidemiological studies of chronic non-specific respiratory diseases] Jedrychowski W, et al. Gruzlica 39:315-21, Apr 71 (Pol)

PREVENTION & CONTROL

Patient advice during acute air pollution episode. Ayres SM. Arch Environ Health 22:591-2, May 71
[Pneumologic survey of preventive medicine applicable to the treatment of information by computer] Chrétien J, et al.
J Fr Med Chir Thorac 24:749-59, Nov-Dec 70 (Fre)
[Importance of the upper respiratory ways for chronic bronchitis and bronchial asthma in childhood] Dietzel K. Z Erkr Atmungsorgane 133:317-23, Dec 70 (Ger)
[Results of the 2d prophylactic treatment o rheumatim of children in Kiev] Oguz GA, et al.
Pediatr Akush Ginekol 4:3-4, Jul-Aug 70 (Ukr)

RADIOGRAPHY

Comparison of cardiothoracic ratio by miniature and standard chest radiography. Ashton WL, et al.
Am Heart J 80:588-96, Nov 70
Respiratory obstruction in the newborn and excess pulmonary fluid. Corbett DP, et al.
Am J Roentgenol Radium Ther Nucl Med 112:18-22, May 71
Roentgenographic findings in lipoid proteinosis: a case report. Weidner WA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:457-61, Nov 70
Regression of radiological changes in asthma following treatment. Simon G. Respiration 27:Suppl:147-51, 1970
[Value of selective bronchial arteriography in current pneumological practice] Bory M, et al.
J Radiol Electrol Med Nucl 52:205-7, Mar-Apr 71 (Fre)

REHABILITATION

Vocational rehabilitation--the culmination of physical reconditioning. Matzen RN.
Chest 60:Suppl:218-24S, Aug 71
CAO--prospects for rehabilitation. Petty TL.
Chest 60:Suppl:1S, Aug 71
[Complex rehabilitation therapy of children with impaired respiration and asthma in basic pediatric practice] Paszková H.
Cesk Pediatr 26:294-9, Jun 71 (Cze)

SURGERY

Vocal cord abduction by regenerated recurrent laryngeal nerve. An experimental study in the dog. Murakami Y, et al. Arch Otolaryngol 94:64-8, Jul 71
Special methods of diagnosing and treating obstructive diseases of the central airways. Herzog H, et al.
Chest 60:49-67, Jul 71
[Current diagnostic methods in respiratory diseases and thoracic surgery] Shoshkov S, et al.
Khirurgiia (Sofiia) 22:474-83, 1969 (Bul)
[Results of thoracic surgery in children] Donev M, et al.
Z Erkr Atmungsorgane 133:352-4, Dec 70 (Ger)
[Assessment of surgical treatment of chronic respiratory diseases on the basis of late results] Rudnik J, et al. Gruzlica 38:932-44, Sep 70 (Pol)
[Results of remote x-ray examinations in patients following pulmonary resection undergone in children] Marciński A.
Pol Przegl Radiol 35:33-44, 1971 (Pol)
[The course of the postoperative period in children with bilateral non-specific bronchopulmonary diseases] Ormantaev KS, et al.
Grudn Khir 13:57-64, Mar-Apr 71 (Rus)
[Complex and combined surgical operations on the upper respiratory tract in older patients] Gorlina AA.
Vestn Otorinolaringol 32:12-6, Nov-Dec 70 (Rus)

THERAPY

Continuous oxygen therapy in chronic airway obstruction. Observations on possible oxygen toxicity and survival. Petty TL, et al.
Ann Intern Med 75:361-7, Sep 71
Longterm effects of treatment in patients with chronic airway obstruction. Burrows B, et al.
Chest 60:Suppl:25S-27S, Aug 71
Useful methods of therapy. Miller WF.
Chest 60:Suppl:2S-5S, Aug 71
Outpatient care for patients with chronic airway obstruction--emphysema and bronchitis. Neff TA, et al. Chest 60:Suppl:11S-17S, Aug 71
The intensive respiratory care unit. Petty TL, et al.
Clin Notes Resp Dis 10:3-11, Summer 71
Respiratory therapy--what does it offer? Hobgood JL.
J Indiana State Med Assoc 64:726-8, Jul 71
Screening and treatment program for mild chronic obstructive pulmonary disease. Baker TR, et al.
JAMA 214:1448-55, 23 Nov 70
[Respiratory physical therapy] Aepli R.
Praxis 60:195-7, 16 Feb 71 (Fre)
[Comparative study on the effectiveness of protophyllin] Krieger M, et al.
Union Med Can 99:2242-51, Dec 70 (Fre)
[Complex respiratory therapeutic measures in chronic unspecific bronchopulmonary diseases and after thoracic surgical operations] Edel H.
Arch Phys Ther (Leips) 22:369-75, Nov-Dec 70 (Ger)
[Practice of inhalation therapy] Bopp KP.
Dtsch Med J 22:248-51, 19 Apr 71 (Ger)
Alarming symptom in relation to respiratory organs] Nusser E, et al. Internist (Berlin) 11:51-8, Feb 70 (Ger)
[The effect of aerosols with and without intermittent high-pressure breathing] Ferlinz R.
Respiration 27:Suppl:191-8, 1970 (Ger)
[Therapy of respiratory tract diseases in childhood from the climato-balneological viewpoint] Kleinschmidt H. Ther Ggw 110:1132-46, Aug 71 (Ger)
[Contribution of the lung clinic to the development of ambulatory care of chronic lung diseases] Pickroth G.
Z Erkr Atmungsorgane 133:243-8, Dec 70 (Ger)
[Ambulatory care of occupational chronic lung diseases] Thiele H.
Z Erkr Atmungsorgane 133:252-5, Dec 70 (Ger)
[Technical trends in instrumental resuscitation. (Problems of its use in first aid). Apparatus, technics and related problems in respiratory and cardiocirculatory resuscitation] Malin L, et al.
Arcisp S Anna Ferrara 22:393-462, 1969 (Ita)
[Training of patients with ventilatory insufficiency] Holten K. Nord Med 85:732, 10 Jun 71 (Nor)
[Elements of ethnoiatrics of the XIXth century studied in Professor Grigore Cretu's archives of manuscripts. II. Remedies used by the Rumanian people in diseases of the respiratory tract] Sefer M.
Microbiol Parazitol Epidemiol (Bucur) 16:181-9, Mar-Apr 71 (Rum)
[Organization of medical service for children with rheumatism and chronic nonspecific respiratory diseases in Pioneer health camps] Kharina EN, et al.
Pediatriia 50:69-72, Jun 71 (Rus)
[Effect of plant aromatic substances in the air on the effectiveness and specificity of aeroionotherapy] Dubinskif RA.
Vopr Kurortol Fizioter Lech Fiz Kult 36:65-8, 1971 (Rus)
[Effect of Transcarpathian mineral waters on ciliate epithelium under experimental and clinical conditions] Petretskif VV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:531-6, Nov-Dec 70 (Rus)
[Therapy of some respiratory tract diseases at Gorna Bania health resort] Telcharov L, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:237-43, May-Jun 70 (Rus)

VETERINARY

Morphologic and microbiologic features of trachea and lungs in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:115-29, Jan 71
Therapeutic effect of Linco-Spectin on airsaculitis in chickens. Hamdy AH. Avian Dis 14:706-14, Nov 70
Differences between cull and normal turkeys in natural infection with Mycoplasma meleagridis at one day of age. Fox ML, et al. Can J Comp Med 34:285-8, Oct 70
Some aspects of pathology of the lower respiratory tract of the dog: review. Done SH.
J Small Anim Pract 11:655-68, Oct 70 (168 ref.)
Instrument specifications for endoscopy of the equine upper respiratory tract and eustachian tube diverticulum. Cook WR. Vet Rec 87:429-37, 10 Oct 70
[Diagnosis of intrapulmonary ventilation disorders]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Spörri H, et al.
Schweiz Arch Tierheilkd 112:408-19, Sep 70 (Ger)

RESPIRATORY TRACT INFECTIONS (C1, C5)

Chronic phycomycosis of the upper respiratory tract. Rhinophycomycosis entomophthorae. Martinson FD.
Am J Trop Med Hyg 20:449-55, May 71
Mycoplasma pneumoniae disease: clinical spectrum, pathophysiology, epidemiology, and control. Denny FW, et al. J Infect Dis 123:74-92, Jan 71 (73 ref.)
[Presence of the surfactant system in the lung as a condition for recovery from upper respiratory tract diseases. II. Origin of the surfactant system] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1494-7, 4 Sep 71 (Dut)
[Peracute pleuro-pulmonary staphylococcal infections in older children] Lambertz J, et al.
Pediatrie 26:13-30, Jan-Feb 71 (Fre)
[Pathogenesis clinical aspects of infections of lower airway passages. 1] Signer M.
Praxis 60:198-207, 16 Feb 71 (Ger)
[Sudden and unexpected death of infants and small children] Vich V. Ther Umsch 27:453-6, Jul 70 (Ger)
[Chronic bronchopathy in children. (Opinion of Professor G. Lelilio)] Salvati A.
Minerva Med 62:1911-4, 9 May 71 (Ita)
[A case of pluriorificaal syndrome with unusual etiology (Bedsonia)] Pagliano Sassi L, et al.
Minerva Pediatr 23:491-3, 17 Mar 71 (Ita)
[Primary and secondary tracheomegaly. Case report] Simeone L. Radiol Med (Torino) 56:490-8, Jun 70 (Ita)
[Acute respiratory tract infections in children in winter: epidemiology and clinical manifestations seen in Tokyo in the last 10 years] Fujii Y, et al.
Acta Paediatr Jap 75:190-8, Mar 71 (Jap)
[Mycoplasmic pneumonia and respiratory tract inflammation] Kitamoto O.
Naika 27:1225-7, Jun 71 (Jap)
[Acute respiratory syndromes caused by viruses and Rickettsia] Monaci V.
Resen Clin Cient 36:233-40, Nov-Dec 67 (Por)
[Some current problems in viral respiratory infections] Cajal N, et al.
Stud Cercet Inframicrobiol 22:19-32, 1971 (132 ref.) (Rum)
[Pathomorphology of tracheobronchomegaly (Mounier-Kuhn syndrome)] Nepomniashchikh GI.
Arkh Patol 32:70-3, 1970 (Rus)
[Complications of tracheotomy in viral croup] Fiekser SIa. Pediatriia 49:39-43, Nov 70 (Rus)
[Clinico-etiological characteristics of acute respiratory diseases in the pre-epidemic period and during outbreaks of Hong Kong-68 influenza] Danilov AF, et al. Voen Med Zh 12:46-7, Dec 70 (Rus)
[Clinical manifestations and therapy of respiratory diseases of adenoviral etiology in nurseries] Reshetkina LP, et al.
Pediatr Akush Ginekol 1:17-8, Jan-Feb 71 (Ukr)

BLOOD

Value of arterialized capillary blood gas analysis in lower respiratory tract infection in childhood. Doig WB. Arch Dis Child 46:243-6, Jun 71
[Diagnostic significance of precipitating antibodies against intra- and extracellular polysaccharides of Candida albicans] Tomšíková A, et al.
Med Monatsschr 24:500-4, Nov 70 (Ger)

COMPLICATIONS

[Hyperglycemic hyperosmolar coma (apropos of 3 cases)] Hazard J, et al.
Ann Med Interne (Paris) 122:623-32, May 71
Lung bacterial clearance in the burned rat. Skornik WA, et al. Ann Surg 173:837-43, Nov 70
Obesity and respiratory infection in children. Hutchinson-Smith BH. Br Med J 1:460-1, 20 Feb 71
Obesity and respiratory infection in infants and young children. Tracey VV, et al. Br Med J 1:16-8, 2 Jan 71
Diabetic emergency. Br Med J 4:63-4, 10 Oct 70
Aetiopathogenesis of bronchiectasis. (An analysis of 53 cases). Chattopadhyay DK.
J Indian Med Assoc 55:380-3, 1 Dec 70
Brain abscess due to Streptococcus equisimilis in a maltworker. Dinn JJ. Ir Med Assoc 64:50-1, 21 Jan 71
Faecal peritonitis complicated by severe chest infection--a patient care study. Postle M.
Nurs Times 67:630-3, 27 May 71
Aspects of treatment of crisis in myasthenia gravis. Jenkins RB, et al. South Med J 63:1127-30, Oct 70
[Pulmonary manifestations of Waldenstrom's isease] Genévrier R.
Cah Coll Med Hop Paris 10:491-5, 15 Jun 69 (Fre)
[Spontaneous pneumothorax and respiratory virosis] Miguérès J, et al.
J Fr Med Chir Thorac 24:715-27, Sep-Oct 70 (Fre)
[Infectious agents and pulmonary emphysema] Préfontaine G. Laval Med 41:1004-5, Oct 70 (Fre)
[Bacterial factors in etiology of juvenile asthma] Cany J. Maroc Med 49:254-8, Apr 69 (Fre)
[Respiratory insufficiency in pediatrics] Pichon R. Maroc Med 48:712-6, Dec 68 (Fre)
[Etiologic study of 50 cases of aperiodic spasmodic coryza] Romanski B, et al.
Maroc Med 49:700-2, Dec 69 (Fre)
[Role of the field of otorhinolaryngology in recurrent pulmonary infection] Méion J.
Rev Med Liege 26:333-5, 15 May 71 (Fre)
[A corrective operation for tracheobronchiomegily] Middendorp UG, et al.
Langenbecks Arch Chir 328:27-34, 1970 (Ger)
[Increasing importance of hyphomycetic allergies in the respiratory tract] Hussarek M.
Monatsschr Ohrenheilkd Laryngorhinol 104:257-62, 1970 (Ger)
[Accompanying otitis in infections of the upper respiratory tract] Fleischer K, et al.
Munch Med Wochenschr 112:1970-1, 23 Oct 70 (Ger)
[Studies on the form and frequency of complications in influenza and other virus-induced respiratory diseases] Ricken D, et al.
Verh Dtsch Ges Inn Med 75:577-81, 1969 (Ger)
[Tracheobronchomegaly] Nagy M, et al.
Z Erkr Atmungsorgane 132:195-8, 1970 (Ger)
[Clinical and statistical considerations on infectious dyspnea laryngo-tracheo-bronchitis in early infancy] Giubertoni C. Minerva Pediatr 21:842-4, 5 May 69 (Ita)
[Adenovirus in the etiopathogenesis of acute enteritis in childhood] Rosaschino F, et al.
Minerva Pediatr 22:2444-51, 8 Dec 70 (Ita)
[Pneumopathies in the course of influenza. Clinical and radiographical aspects] Andreoni G, et al.
Policlinico [Prat] 77:1239-46, 28 Sep 70 (Ita)
[Myocarditic component of some acute diseases in children] Minculescu M, et al.
Pediatria (Bucur) 19:409-22, Sep-Oct 70 (Rum)
[Observation of children sustaining respiratory viral infection with nervous system involvement] Ladodo KS, et al. Vopr Okhr Materin Det 16:82, Feb 71 (Rus)
[Autoantibodies to lung tissue in the dynamics of acute respiratory infection in children with bronchial asthma] Lozovskaia LS, et al.
Vopr Okhr Materin Det 15:20-4, Jun 70 (Rus)
[Some aspects of porphyrin metabolism in children with anemia in respiratory viral infections] Panfilova IK. Vopr Okhr Materin Det 16:80-1, Mar 71 (Rus)
[Infections of the upper respiratory tract and lymphadenitis of the neck in children] Cuk V.
Med Pregl 23:243-5, 1970 (Ser)

DIAGNOSIS

Bacteria in sputum--contaminants or culprits? Hewitt WL. Calif Med 112:60-2, Feb 70
Etiologic diagnosis of lower respiratory tract infections. Hoeprich PD. Calif Med 112:1-8, Feb 70
Filter paper blood samples used in serological studies of respiratory virus infections in children. Chishty SM. J Clin Pathol 24:41-3, Feb 71
Direct immunofluorescent studies of infection with respiratory syncytial virus. Nagahama H, et al.
J Infect Dis 122:280-71, Oct 70
Streptococcal infections: why it's important to diagnose and treat them quickly. Rammelkamp CH Jr, et al. Med Times 99:48-57, Feb 71
Blood count and throat culture in pediatric practice: the use of sodium nafcillin. Henley WL, et al.
Mt Sinai J Med NY 37:612-7, Sep-Oct 70
Parainfluenza virus immunofluorescence. In vitro and clinical application of the direct method. Marks MI, et al. Pediatrics 48:73-8, Jul 71
[Diagnosis of aspergillar infection of the respiratory tract] Laboury S.
Acta Tuberc Pneumol Belg 60:635-50, Sep-Oct 69 (Fre)
[Etiology of so-called viral, human respiratory tract diseases] Paccaud MF.
Rev Med Suisse Romande 91:347-60, May 71 (Fre)
[The disease designation "grippe"] Kleinschmidt H.
Prax Pneumol 25:231-3, Apr 71 (Ger)
[Diagnosis of Mounier-Kuhn syndrome] Lichtenstein AO, et al. Radiol Diagn (Berl) 11:171-6, 1970 (Ger)
[Late prognosis of chronic upper airways infection in children. Round-table]
Respiration 27:Suppl:139-46, 1970 (Ger)
[Virological and serological studies of a series of cases of acute respiratory infections of pediatric age and of a control group] De Rosa F, et al.
Riv Ist Sieroter Ital 44:86-96, Jan-Apr 69 (Ita)
[Titration of neutralizing antibodies against the respiratory syncytial virus by means of the syncytium inhibition technic] Pauluzzi S, et al.
Riv Ist Sieroter Ital 44:64-74, Jan-Apr 69 (Ita)
[Diagnostic importance of the leukocyte alkaline phosphatase indices (LAPI) in infectious diseases with nasopharyngeal portal of entry] Pascariu C, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:175-80, Mar-Apr 71 (Rum)
[Studies of the parainfluenzal etiology of diseases of the respiratory tract in children. I. Isolation of a strain of parainfluenza virus of type III] Isaia G, et al.
Stud Cercet Inframicrobiol 21:463-73, 1970 (Rum)
[Diagnosis of influenza and other acute respiratory viral infections by the fluorescent antibody method] Smorodintsev AA, et al.
Vestn Akad Med Nauk SSSR 25:25-32, 1970 (Rus)
[Immunofluorescent quick diagnosis of acute respiratory diseases in children] Strutsovskaia AL, et al. Vopr Okhr Materin Det 15:86-7, Nov 70 (Rus)
[Streptococcal angina from the viewpoint of an outpatient pediatrician] Cuk V.
Med Pregl 24:81-3, 1971 (Ser)
[Histamine scarification test as an indicator of the general reactivity in small children with respiratory viral-bacterial infections] Radchenko NO.
Pediatr Akush Ginekol 4:18-20, Jul-Aug 68 (Ukr)

DRUG THERAPY

Synergistic effect in viral-bacterial infection. 4. The leukocyte response to parainfluenza virus infection in the respiratory tract of mice, and the influence of antibiotics on the development of infection. Degré M.
Acta Pathol Microbiol Scand [B] 79:88-94, 1971
The effect of minocycline on meningococcal nasopharyngeal carrier state in naval personnel. Devine LF, et al. Am J Epidemiol 93:337-45, May 71
Danger of polymyxin B inhalation. Marschke G, et al.
Ann Intern Med 74:296-7, Feb 71
An approach to acute respiratory infection in children. Donaldson MH, et al.
Ann NY Acad Sci 145:367-71, 27 Sep 67
Antibiotics and infections.
Aspen Emphysema Conf 8:21-7, 1965
Clinicolaboratory evaluation of cephalexin, a new oral cephalosporin. Daikos GK, et al.
Br J Clin Pract 24:379-86, Sep 70
A comparative trial of ampicillin, tetracycline and a combination of trimethoprim and sulphamethoxazole in the treatment of respiratory infections. Howells CH, et al. Br J Clin Pract 25:77-80, Feb 71
General practice trial of flucloxacillin in common respiratory tract infections. Roper DJ, et al.
Br J Clin Pract 24:419-21, Oct 70
A comparative trial of ampicillin and cephaloridine in acute chest infections. Bayley AJ.
Br J Dis Chest 64:232-7, Oct 70
Upper respiratory tract infections.
Br Med J 3:101-3, 10 Jul 71
Carbenicillin in pulmonary infection complicating cystic fibrosis. Africa E, et al.
Dei Med J 42:307-8, Nov 70
Demethylchlortetracycline used in bacterial infections of ear, nose, and throat. Morton RA.
Eye Ear Nose Throat Mon 49:378-82, Aug 70
Clinical evaluation of a new antibiotic, minocycline. Nelson BA. Eye Ear Nose Throat Mon 50:217-9, Jun 71
Carbenicillin in patients with cystic fibrosis: clinical pharmacology and therapeutic evaluation. Huang NN, et al. J Pediatr 78:338-45, Feb 71
Evaluation of orally administered antibiotics for treatment of upper respiratory infections in Thai children. Lexomboon U, et al.
J Pediatr 78:772-8, May 71
Double-blind trial of early demethylchlortetracycline in minor respiratory illness in general practice. Howie JG, et al. Lancet 2:1099-102, 28 Nov 70
Demethylchlortetracycline in minor respiratory liness. Juel-Jensen BE. Lancet 2:1255, 12 Dec 70
Clindamycin (Cleocin).
Med Lett Drugs Ther 12:85-6, 16 Oct 70
Hetacillin. Med Lett Drugs Ther 13:49-50, 11 Jun 71
Cephalexin (Keflex).
Med Lett Drugs Ther 13:25-6, 2 Apr 71
Panel discussion on respiratory infections in children. Albores JM, et al.
Postgrad Med J 47:Suppl:59-63, Feb 71
The use of cephalexin in respiratory infections. Macquet V, et al. Postgrad Med J Suppl:128-32, Oct 70
Chemotherapy of chronic respiratory infections using cephaloridine. Matsumoto K, et al.
Postgrad Med J Suppl:123-8, Oct 70
The place of cephalexin in general medicine. Walker AN, et al. Postgrad Med J Suppl:146-9, Oct 70
Cephalexin--a new oral antibiotic. Bailey A, et al.
Practitioner 205:791-5, Dec 70
The use of 'Septrin' in the treatment of upper respiratory-tract infections. Mallett E, et al.
Practitioner 205:807-11, Dec 70
Efficacy of cephalexin in common infections in general practice. Practitioner 205:815-8, Dec 70
Experiences with three cephalosporin antibiotics in respiratory system infections. Benner EJ.
Prensa Med Mex 108-12, Sep-Oct 70
[Use of antibiotics in pulmonary infections of mucoviscidosis] Yourassowsky E.
Acta Paediatr Belg 24:503-6, 1970 (Fre)
[Clinical trial of dicloxacillin] Warembourg H, et al.
Lille Med 665-70, Jun-Jul 69 (Fre)
[Value of the tetracycline-nitrofurantoin combination in the treatment of recurrent bronchial infections during chronic bronchopneumopathies] Lageze P, et al. Lyon Med 219:1189-91, 7 Apr 68 (Fre)
[Value of Tetrasillex syrup in current pediatric practice] Pinçon JA, et al.
Lyon Med 225:913-6, 9 May 71 (Fre)
[Doxycycline in current pediatrics. 45 cases of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

respiratory tract infection in newborn and young infants] Jacob A. Maroc Med 51:185-9, Mar 71 (Fre)
[Clinical trials of Coliu-Hextril] Appaix A, et al. Mars Med 107:893-6, 1970 (Fre)
[Use of gamma-globulin in recurring respiratory infections and allergic states in children] Orsini-Roubin J, et al. Mars Med 107:889-91, 1970 (Fre)
[Record of 8 years of use of spiramycin in pediatrics (apropos of 419 cases)] Flattot M, et al. Pediatrie 23:321-8, Apr-May 68 (Fre)
[Anti-infectious non-antibiotic therapy of acute diseases of the respiratory tract in children and infants] Combe P, et al. Rev Fr Odontostomatol 46:1021-4, Dec 70 (Fre)
[Trial of Aturgyl Delta] Guilien G. Rev Laryngol Otol Rhinol (Bord) 90:716-8, Nov-Dec 69 (Fre)
[Antibacterial drugs in the treatment of bronchopulmonary suppurations (apropos of the trial of a new bactericide)] Bourgeois P, et al. Therapeutique 47:351-6, Apr 71 (Fre)
[Anti-infectious non-antibiotic therapy of acute diseases of the respiratory tract in children and infants] Combe P, et al. Therapeutique 46:1021-4, Dec 70 (Fre)
[Treatment of the acute broncho-pulmonary infections and superinfections by an antibiotic preparation with symptomatic aim] Coury C, et al. Therapeutique 47:11-4, Jan 71 (Fre)
[Does a physiological respiratory flora exist? Can it be spared by use of a local antibiotic?] Larribaud J, et al. Therapeutique 47:595-602, Jun-Jul 71 (Fre)
[Percutaneous application of volatile oils for the treatment of respiratory tract infections, particularly in the form of Wybert anti-cold stick] Sütterle H. Kinderaerztl Prax 38:337-40, Aug 70 (Ger)
[Experiences with staphylococcal infections of the skin and respiratory passages in a 3 year patient study during the years 1964 to 1966] Turay P, et al. Kinderaerztl Prax 37:193-201, May 69 (Ger)
[Inhalation therapy using antibiotics] Schmidt OP, et al. Med Klin 66:712-6, 7 May 71 (Ger)
[Treatment of bacterial infections with a new broad-spectrum anti-infective agent in general practice] Gozdz H, et al. Med Welt 39:1709-10, 26 Sep 70 (Ger)
[Mallebrinettes in the treatment of bacterial and viral diseases of the throat and pharyngeal cavity] Miodek J. Med Welt 51:2200-1, 26 Dec 70 (Ger)
[Treatment of broncho-pulmonary infectious with gentamycin] Wieser O. Munch Med Wochenschr 112:430-2, 6 Mar 70 (Ger)
[Therapy of bacterial respiratory tract diseases with Glisca] Pollert I. Ther Ggw 109:1156-7 passim, Aug 70 (Ger)
[Clinical experiences with an ultra-long-term sulfonamide, Longum] Biosen E, et al. Z Allgemeinmed 47:297-8, 28 Feb 71 (Ger)
[Secretolysis through gelomyrtol] Kurz JF. Z Allgemeinmed 46:1623-7, 20 Nov 70 (8 ref.) (Ger)
[Treatment of acute streptococcal infections for the primary prevention of rheumatic fever and glomerulonephritis] Cohen J, et al. Harefuah 77:331-3, 15 Oct 69 (Heb)
[Pediatric clinical experimentation with rifampicin. Therapeutic effect and tolerance] Valente G, et al. Clin Pediatr (Bologna) 51:48-55, Jan 69 (Ita)
[Clinical observations on the effects of the association of N-cyclohexyl-N-methyl-(2-amino-3,5-dibromobenzyl)-ammonium chloride and oxytetracycline in acute and chronic bronchopathies] Bini P, et al. Clin Ter 55:433-59, 15 Dec 70 (Ita)
[Therapeutic experience with a new cephalosporin: ceihalexin] De Rosa F, et al. Clin Ter 54:129-38, 31 Jul 70 (Ita)
[Studies of the use of a new tetracycline (doxicycline)] Vetrano A, et al. Clin Ter 54:153-61, 31 Jul 70 (Ita)
[Indications and results of therapy with gentamicin sulfate in prolonged resuscitation] Giardina B, et al. G Ital Chemioter 16:408-11, Jan-Sep 69 (Ita)
[Use of gentamicin in pneumology] Grassi C. G Ital Chemioter 16:135-8, Jan-Sep 69 (Ita)
[Bacteriologic and clinical observations on the gentamicin effect in pneumology] Mariani B, et al. G Ital Chemioter 16:178-86, Jan-Sep 69 (Ita)
[Gentamicin in the treatment of respiratory tract infections in infancy] Rolando D, et al. G Ital Chemioter 16:313-4, Jan-Sep 69 (Ita)
[Use of gentamicin in various diseases of infancy] Vittadini G, et al. G Ital Chemioter 16:324-6, Jan-Sep 69 (Ita)
[Gentamicin in non-tuberculous respiratory diseases. Clinical contribution] Giungi F, et al. G Ital Mal Torace 24:135-45, May-Jun 70 (Ita)
[Sulfamides effective even in very low doses] Minerva Med Suppl 40:34-5, May 71 (Ita)
[Clinical studies of the relations between thiamphenicol and blood crasis in pediatrics] Bellomo G, et al. Minerva Pediatr 23:421-36, 10 Mar 71 (Ita)
[Clinical study of the antipyretic action of indomethacin in childhood] Giardini O, et al. Policlinico [Med] 76:322-6, Nov-Dec 69 (Ita)
[Application of aminodeoxykanamycin (Kanendomycin 'Meiji') in the field of internal medicine] Tsujimoto T, et al. Jap J Antibiot 24:191-6, Aug 71 (Jap)
[Treatment of infections of the respiratory tract with Terramycin aerosol (Pfizer)] Wojciechowski F, et al. Pol Tyg Lek 26:182-4, 1 Feb 71 (Pol)
[Binotal in infections of infants and young children] Leuchs WF. Hospital (Rio de J) 76:881-4, Sep 69 (Por)
[Contribution to the study of erythromycin combined with betaine, in controlling the most common toxi-infectious states in medical practice] Ogawa P. Rev Bras Med 28:132-4, Mar 71 (Por)
[Use of tetracycline lauryl sulfate in respiratory tract infections in children] Porto G. Rev Bras Med 27:379-80, Jul 70 (Por)
[Use of pyrogenal in the complex therapy of scleroma (preliminary communication)] Toger NV. Zh Ushn Nos Gorl Bolezn 29:75-7, Jul-Aug 69 (Rus)
[Hetacillin, a semisynthetic broad spectrum penicillin, in oral treatment of respiratory infections in children. Posologic schedules each 6 and 12 hours] Albores JM, et al. Arch Argent Pediatr 69:200-3, Jul 71 (Spa)
[Cephaloglycin in pediatrics] Albores JM, et al. Minerva Pediatr 22:1259-62, 23 Jun 70 (Spa)
[Clinical experience with cephalexin] Lasala FG, et al. Prensa Med Argent 58:65-74, 12 Mar 71 (Spa)
[Cephalexin monohydrate in pediatrics. Clinical, bacteriological experiences and the hematic, hepatic and renal tolerance in 120 children with respiratory infections] Albores JM, et al. Prensa Med Mex 100-7, Sep-Oct 70 (Spa)
[Cephalexin monohydrate in infections of the lower part of the respiratory tract] Hernandez Iliescas JH. Prensa Med Mex 113-20, Sep-Oct 70 (Spa)
[Use of erythromycin ethyl succinate in acute infectious pictures of the respiratory system, eyes and skin] Morice J, et al. Rev Chil Pediatr 41:450-3, Jun 70 (Spa)
[Studies of the trimethoprim-sulfamethoxazole therapeutic combination] Aguirre M, et al. Rev Clin Esp 117:480-98, 15 Jun 70 (Spa)
[New drug combination (trimethoprim and sulfamethoxazole) in the treatment of bronchopulmonary infections] Martínez Glez-Río J, et al. Rev Clin Esp 115:189-96, 15 Nov 69 (Spa)
[Antimicrobial therapy in ro cases of obstructive chronic bronchopneumopathy] Noya M, et al. Rev Clin Esp 121:47-50, 15 Apr 71 (Spa)
[Our first results in the treatment with cephaloridine (ceporin)] Mihajlović M, et al. Vojnosanit Pregl 27:397-400, Sep 70 (Cro)

ENZYMOLOGY

[Aldolase and transaminase activity of blood serum in acute respiratory infections in children] Babichev AM, et al. Pediatr Akush Ginekol 1:15-6, Jan-Feb 71 (Ukr)
[Succinate dehydrogenase activity in lymphocytes of peripheral blood in the course of pneumonia and acute respiratory infections in children] Lagno AP. Pediatr Akush Ginekol 1:10-1, Jan-Feb 71 (Ukr)

ETIOLOGY

Penicillin resistance of D. pneumoniae in upper respiratory infections associated with diving. Raymond L, et al. Aerosp Med 42:196-8, Feb 71
Herpetic infection of the middle and lower respiratory tract. Nash G, et al. Am J Clin Pathol 54:857-63, Dec 70
Roentgenologic aspects of cardiac transplantation. Postoperative pulmonary infections. Goldstein HM, et al. Am J Roentgenol Radium Ther Nucl Med 111:476-82, Mar 71
Contamination of ultrasonic nebulization equipment with gram negative bacteria. Rhoades ER, et al. Arch Intern Med 127:228-32, Feb 71
Rhinovirus strain as a possible cause of equine respiratory infection. Flammini CF, et al. Arch Vet Ital 21:309-16, 31 Oct 70
Success and failure in human virus diseases. II. Common viruses. Stuart-Harris C. Br Med J 1:334-5, 6 Feb 71
Pseudomonas chest infection. Br Med J 3:203-4, 24 Jul 71
Cystic fibrosis of the pancreas--a comparison of the pulmonary manifestations in children and young adults. Chest 59:306-11, Mar 71
On some present concepts regarding acute respiratory infection. Shapiro SL. Eye Ear Nose Throat Mon 49:147-51, Mar 70
Antibody to Mycoplasma hominis in patients with respiratory disease. Eldridge AE, et al. J Clin Pathol 23:664-7, Nov 70
Lack of vitamin C: lack of upper respiratory illness. Goldberg JH, et al. N Engl J Med 285:59-60, 1 Jul 71
Clindamycin levels in sputum in a patient with purulent chest disease due to cystic fibrosis. Raeburn JA, et al. Postgrad Med J 47:366-7, Jun 71
[Rhino-broncho-pulmonary infections due to syncytial respiratory virus in children] Gerbeaux J, et al. Ann Pediatr (Paris) 17:760-8, 2 Nov 70 (Fre)
[Severe forms of adenovirosis in children: various recent cases] Verger P, et al. Ann Pediatr (Paris) 17:5-16, 2 Jan 70 (Fre)
[Agammaglobulinemia and immunologic deficiency in pneumology. Discussion and conclusions] Charpin J. Poumon Coeur 25:411-3, 1969 (Fre)
[Transitory hypogammaglobulinemia and recurrent pneumopathies] Grilliat JP, et al. Poumon Coeur 25:381-9, 1969 (Fre)
[5 cases of agammaglobulinemia in adults and adolescents] Miguères J, et al. Poumon Coeur 25:399-410, 1969 (Fre)
[Primary agammaglobulinemia and its respiratory manifestations] Pernod J, et al. Poumon Coeur 25:333-53, 1969 (Fre)
[Respiratory manifestations of primary immunological deficiencies] Vidal J, et al. Poumon Coeur 25:369-79, 1969 (Fre)
[Anti-alpha-staphylolysins in pneumology] Charpentier J, et al. Rev Tuberc Pneumol (Paris) 34:485-510, Jun 70 (Fre)
[Clinical study of bronchopulmonary infections due to atypical mycobacteria] Prignot J, et al. Rev Tuberc Pneumol (Paris) 34:37-52, 1970 (Fre)
[On bacterial contaminations in patients undergoing tracheostomy and mechanical respiration] Brandolini G, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:107+, 1969 (Ita)
[Antibiotic therapy in tracheotomized patients] Brandolini G, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:123+, 1969 (Ita)
[Acute pericarditis caused by Coxsackie virus B2 with successive polyorganic involvement] Pesce M, et al. G Mal Infett Parassit 22:682-6, Oct 70 (Ita)
[Preliminary observations on the incidence of respiratory syncytial virus infection in acute respiratory diseases in childhood. Statistics of the Pediatric Clinic, November 1967-April 1968] De Rosa F, et al. Riv Clin Pediatr 81:339-43, Jul-Aug 68 (Ita)
[Significance of Pseudomonas as a causative agent in respiratory infections] Ozawa A. Jap J Bacteriol 25:412-3, Sep 70 (Jap)
[Clinical bacteriology of Haemophilus influenzae, with special reference to chronic respiratory tract infections] Matsumoto K, et al. Naika 26:474-9, Sep 70 (Jap)
[Incidence of Candida yeast-like fungi in cases of respiratory tract infections in textile workers] Naruszewicz S. Pol Tyg Lek 26:239-42, 15 Feb 71 (Pol)
[Presence of strains of methicillin-resistant staphylococci in hospitals] Teodorovici G, et al. Microbiol Parazitol Epidemiol (Bucur) 16:37-42, Jan-Feb 71 (Rum)
[Aspects of viremia in some enteroviral infections] Ciugarin-Brăiloiu M, et al. Stud Cercet Inframicrobiol 22:3-17, 1971 (Rum)
[Significance of Mycoplasma pneumoniae in respiratory tract diseases in children] Popova RP, et al. Pediatriia 49:10-2, Sep 70 (Rus)
[Etiologic structure of acute respiratory diseases in young children in the polar region] Shadrin AS, et al. Vopr Okhr Materin Det 15:80, Sep 70 (Rus)
[Role of adenovirus in the etiology of respiratory diseases in children] Ivancević Z, et al. Med Pregl 23:31-6, 1970 (Ser)
[The role of viruses in infections of the lower respiratory tract in children of Mexico City] Gutiérrez G, et al. Minerva Pediatr 22:1330, 30 Jun 70 (Spa)
[Pulmonary manifestations in myeloma] Olarreaga N, et al. Torax 19:134-8, Jun 70 (Spa)
[Acute pneumopathies] Vila B, et al. Torax 19:101-8, Jun 70 (Spa)
[Clinical study of acute respiratory diseases in children caused by respiratory syncytial virus] Nabukhotnii TK, et al. Pediatr Akush Ginekol 2:28, Mar-Apr 70 (Ukr)

FAMILIAL & GENETIC

Viruses in families. Fox JP, et al. Lancet 1:1240-1, 12 Jun 71
Viruses in families. Hurrell GD, et al. Lancet 1:769-74, 17 Apr 71
Two families under the epidemiological microscope. Lancet 1:791, 17 Apr 71
[Congenital factors in the genesis of chronic bronchitis and bronchectasis including Kartagener and Mounier-Kuhn syndromes] Galy P, et al. Poumon Coeur 27:133-44, 1971 (Fre)

IMMUNOLOGY

The risk of acute respiratory infections in two groups of young adults in Colombia, South America. A prospective seroepidemiologic study. Evans AS, et al. Am J Epidemiol 93:463-71, Jun 71
Alterations in the bactericidal capacity of the rat lung after immunosuppression. Sharbaugh RJ, et al. Antimicrob Agents Chemother 9:468-72, 1969
Influence of immunological factors in respiratory syncytial virus disease. Chanock RM, et al. Arch Environ Health 21:347-55, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Quantitation of exocrine IgA in human serum in health and disease. Thompson RA, et al.
Clin Exp Immunol 7:491-500, Oct 70

Respiratory syncytial virus neutralizing activity in nasopharyngeal secretions. Scott R, et al.
J Hyg (Camb) 68:581-8, Dec 70

Experimental respiratory syncytial virus infection of adults. Possible mechanisms of resistance to infection and illness. Mills J 5th, et al.
J Immunol 107:123-30, Jul 71

Experimental respiratory infection with type 4 adenovirus vaccine in volunteers: clinical and immunological responses. Smith. TJ, et al.
J Infect Dis 122:239-48, Oct 70

Temperature-sensitive mutants of respiratory syncytial virus: in-vivo studies in hamsters. Wright PF, et al. **J Infect Dis 122:501-12, Dec 70**

Recurrent sinopulmonary infections, mental retardation, and combined IgA and IgE deficiency. Ammann AJ, et al. **J Pediatr 77:802-4, Nov 70**

[The endoallergizing component in infective-allergic asthma and possibilities for its therapeutic use] Gurgenidse GW.
Allerg Asthma (Leipz) 16:62-5, 1970 (Ger)

[Behavior of neutralizing antibodies and complement fixing antibodies against the respiratory syncytial virus in relation to age] Pauluzzi S, et al.
Riv Ist Sieroter Ital 44:75-85, Jan-Apr 69 (Ita)

[Determination of leukocytic interferon in respiratory diseases in children] Baramykova GP, et al.
Pediatriia 50:24-7, Jan 71 (Rus)

[Significance of hypertrophy of the thymus gland in young children] Cheburkin AV, et al.
Pediatriia 49:47-51, Oct 70 (Rus)

[Quantitative changes in immunoglobulins in young children with respiratory virus infections and pneumonia] Cheburkin AV, et al.
Pediatriia 50:38-43, Jun 71 (Rus)

[Age peculiarities of nonspecific immunologic reactivity in acute respiratory diseases in children] Korzhenkova MP, et al. **Pediatriia 49:3-7, Sep 70 (Rus)**

[Autoantibodies to lung tissue in the dynamics of acute respiratory infection in children with bronchial asthma] Lozovskaia LS, et al.
Vopr Okhr Materin Det 15:20-4, Jun 70 (Rus)

[Study of the appearance of cold agglutinins in the serum of patients with respiratory infections of different etiology] Ivančević Z.
Med Pregl 24:13-9, 1971 (Ser)

[Auto-hemagglutination reaction in acute respiratory diseases in small children] Radchenko NO.
Pediatr Akush Ginekol 1:14-5, Jan-Feb 71 (Ukr)

METABOLISM

[Some aspects of porphyrin metabolism in children with anemia in respiratory viral infections] Panfilova IK. **Vopr Okhr Materin Det 16:80-1, Mar 71 (Rus)**

MICROBIOLOGY

Respiratory infection with parainfluenza 1, Sendai virus in gnotobiotic and conventional mice. Degré M, et al. **Acta Pathol Microbiol Scand [B] 79:123-4, 1971**

Pseudomonas pseudomallei in a case of chronic melioidosis. Salisbury WA, et al.
Am J Clin Pathol 54:602-6, Oct 70

A two-year respiratory virus survey in four villages in West Bengal, India. Kloene W, et al.
Am J Epidemiol 92:307-20, Nov 70

Infections with Providence bacilli. A clinical and bacteriologic study. Solberg CO, et al.
Am J Med 50:241-6, Feb 71

Viral and mycoplasmal infections in minor respiratory illnesses and nonstreptococcal pharyngitis. A search for coronaviruses using fetal trachea organ cultures. Schaaff DM, et al. **Am Rev Resp Dis 104:41-51, Jul 71**

Role of Hemophilus influenzae in pediatric respiratory infections. Cramblett HG, et al.
Ann NY Acad Sci 145:391-7, 27 Sep 67

Effect of combined Mycoplasma pneumoniae and pneumococcal infections in hamsters. Liu C, et al.
Ann NY Acad Sci 174:828-34, 30 Oct 70

Studies on new virus isolates recovered in tracheal organ culture. McIntosh K, et al.
Ann NY Acad Sci 174:983-9, 30 Oct 70

Virology of middle ear. Gwaltney JM Jr.
Ann Otol Rhinol Laryngol 80:365-70, Jun 71

Chemotherapy of bronchitis. Hansman D, et al.
Br Med J 2:467, 22 May 71

Pseudomonas aeruginosa in respiratory illness: endogenous or exogenous? Smith HB, et al.
Can Anaesth Soc J 17:516-21, Sep 70

Response of ferrets and monkeys to intranasal infection with human, equine and avian influenza viruses. Marois P, et al. **Can J Comp Med 35:71-6, Jan 71**

Bacterial and viral throat flora. Comparison of findings in children with acute upper respiratory tract disease and in healthy controls during winter. Hable KA, et al.
Clin Pediatr (Phila) 10:199-203, Apr 71

Para-influenza virus infection in respiratory illnesses of infants and children. Agarwal SC, et al.
Indian J Med Res 59:206-12, Feb 71

A bacteriological study of acute lower respiratory tract infections in infancy and childhood. Aggarwal S, et al.
Indian Pediatr 6:747-58, Dec 69

The late detection of respiratory syncytial virus in cells of respiratory tract by immunofluorescence. Gardner PS, et al. **J Hyg (Camb) 68:575-80, Dec 70**

Viruses associated with acute respiratory infections in Royal Air Force personnel. Higgins PG, et al.
J Hyg (Camb) 68:647-54, Dec 70

Effects of certain organisms associated with chronic respiratory disease on SPF and conventional rats. Bell DP, et al. **J Med Microbiol 2:511-9, 4 Nov 69**

Respiratory tract excretion of cytomegalovirus in Thai children. Olson LC, et al. **J Pediatr 77:499-504, Sep 70**

R.S. virus in infants: isolations in general practice. Horn ME, et al. **Lancet 2:663, 18 Sep 71**

Respiratory syncytial and other viruses associated with respiratory disease in infants. Jacobs JW, et al.
Lancet 1:871-6, 1 May 71

Postal surveillance of acute respiratory virus infections in general practice. Martin KW, et al.
Public Health 85:203-7, Jul 71

Transient colonization of the respiratory tract by mycobacteria in South Wales. Jenkins PA, et al.
Tubercle 52:60-6, Mar 71

The anatomical area of involvement in streptococcal infections and the carrier state. Quinn RW, et al.
Yale J Biol Med 43:1-10, Aug 70

[Etiology of air way infections in general practice] Pel JZ. **Ned Tijdschr Geneeskd 115:502-9, 20 Mar 71 (Dut)**

[Mycobacterium xenopi studied during an important hospital endemic] Desbordes-Lize J, et al.
Poumon Coeur 26:1141-82, 1970 (Fre)

[Results of studies on the relationship between diseases of the upper and lower respiratory tract] Brandt RH, et al.
Allerg Asthma (Leipz) 15:284-7, 1969 (Ger)

[Tasks of virus diagnostics in internal medicine] Haas R. **Verh Dtsch Ges Inn Med 75:572-7, 1969 (Ger)**

[Transtracheal aspiration in the diagnosis of respiratory tract infections] Stille W.
Z Laryngol Rhinol Otol 50:357-60, May 71 (Ger)

[Viral pneumopathies in childhood] Molteni P.
Minerva Pediatr 21:817-29, 5 May 69 (Ita)

[Mycoplasma pneumoniae in respiratory infections of children. Description of a familial epidemic] Serra P, et al. **Pediatria (Napoli) 77:287-97, 1969 (Ita)**

[Center for the Study of Respiratory Viruses, Rome] Midulla M. **Ric Sci 40:303-4, Jul-Aug 70 (Ita)**

[Some biological and epidemiological characteristics of staphylococci isolated from nasopharyngeal carriers] Szöllösi A, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:43-8, Jan-Feb 71 (Rum)

[Involvement of the respiratory organs in viral respiratory infections] Tsenzerling AV.
Arkh Patol 32:3-13, 1970 (91 ref.) (Rus)

[The dependence of the content of pathogenic staphylocci in the upper respiratory tract upon the state of the teeth] Leonene NI, et al.
Stomatologiia (Mosk) 50:74-5, May-Jun 71 (Rus)

[Fast postmortem diagnosis of adenovirus, para-influenza respiratory-syncytial virus diseases in children] Liarskaia TIa, et al.
Vopr Okhr Materin Det 16:81-2, Mar 71 (Rus)

[Biochemical properties of Klebsiella strains of varying antigenic structure] Bakanchikova TI.
Zh Mikrobiol Epidemiol Immunobiol 48:42-4, Mar 71 (Rus)

MORTALITY

Certain causes of neonatal death. 3. Pulmonary infection. (a). Clinical factors. Fedrick J, et al.
Biol Neonate 17:458-71, 1971

OCCURRENCE

Surveillance of acute viral respiratory diseases in children. Vihma L.
Acta Paediatr Scand [Suppl] 206:Suppl 206:79+, 1970

Natural history of respiratory tract infection patterns in basically healthy individuals. McCammon RW.
Am J Dis Child 122:232-6, Sep 71

Viruses and disease. 3. An outbreak of adenovirus type 7A in a children's home. Harris DJ, et al.
Am J Epidemiol 93:399-402, May 71

Seroepidemiologic survey of coronavirus (strain OC 43) related infections in a children's population. Kaye HS, et al. **Am J Epidemiol 94:43-9, Jul 71**

Seasonal patterns of acute infection in Tecumseh, Mich. Monto AS, et al.
Arch Environ Health 21:408-17, Sep 70

Respiratory syncytial virus in hospital cross-infection. Ditchburn RK, et al. **Br Med J 3:671-3, 18 Sep 71**

Association of an enterovirus infection with a respiratory-enteric disease in an orphanage in Kampala, Uganda. Munube GM, et al.
East Afr Med J 47:258-64, May 70

Epidemiology of chest diseases. Rao KN.
Indian J Chest Dis 13:17-24, Jan 71

Respiratory syncytial virus infection in infancy and childhood in a community in Chandigarh. Agarwal SC, et al. **Indian J Med Res 59:19-25, Jan 71**

Adenovirus, RS virus and M. pneumoniae infections in young population of Prague in 1962-1967. Soběslavský O, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:350-9, 1970

Community-wide outbreak of infection with a 229E-like coronavirus in Tecumseh, Michigan. Cavallaro JJ, et al. **J Infect Dis 122:272-9, Oct 70**

Epidemiologic patterns of acute lower respiratory disease of children in a pediatric group practice. Glezen WP, et al. **J Pediatr 78:397-406, Mar 71**

Epidemiology of viral and mycoplasmal agents associated with childhood lower respiratory illness in a civilian population. Maletzky AJ, et al.
J Pediatr 78:407-14, Mar 71

A survey of respiratory infections and allergies in Canberra. Bridges-Webb C.
Med J Aust 1:714-5, 27 Mar 71

A survey of respiratory infections and allergies in Canberra. Sands CC, et al.
Med J Aust 1:364-9, 13 Feb 71

Nitrogen dioxide and lower respiratory illness. Pearlman ME, et al. **Pediatrics 47:391-8, Feb 71**

[Problems of long-term epidemiological studies on acute respiratory virus diseases. II. Longitudinal study of ARD in working collectives of the North-Moravian Region] Heinz F, et al.
Cesk Epidemiol Mikrobiol Imunol 19:291-7, Nov 70 (Cze)

[On the incidence of Proteus in diseases of children. Sensitivity to antibiotics] Zalman MW, et al.
Arch Roum Pathol Exp Microbiol 28:569-76, Jun-Sep 69 (Fre)

[Analysis of respiratory virus infections in GDR. 3d quarter, 1970] Starke G, et al.
Dtsch Gesundheitsw 26:369-72, 18 Feb 71 (Ger)

[Epidemiologic and virologic analysis of respiratory infections in GDR. 1st quarter 1970] Starke G, et al.
Dtsch Gesundheitsw 25:2040-3, 22 Oct 70 (Ger)

[Winter climate in Ramat Gan Schools] Feinsteim A, et al. **Harefuah 77:353-4, 15 Oct 69 (Heb)**

[Iatrogen infections at a hospital department for acute respiratory diseases] Losonczy G, et al.
Orv Hetil 111:2412-7, 11 Oct 70 (Hun)

[On an episode of acute respiratory disease caused by ECHO 19 virus] Crovari P, et al.
G Ig Med Prev 10:163-75, Apr-Jun 69 (Ita)

[Endogenous infection in patients resuscitated in the intensive care unit] Cucchi L, et al.
G Ital Mal Torace 23:291-2 passim, Nov-Dec 69 (Ita)

[On an epidemic episode of acute respiratory disease due to Echo-1 virus in a children's community] Leogrande G, et al.
Nuovi Ann Ig Microbiol 19:Suppl:576-84, Dec 68 (Ita)

[Role of various routes of transmission of causative agents in the spread of respiratory infections (literature review)] Trifonov VI.
Zh Mikrobiol Epidemiol Immunobiol 48:118-23, Mar 71 (38 ref.) (Rus)

[Microbial flora of the pharynx and dynamics of immunologic reactions in acute respiratory diseases in children] Zhoga VD.
Zh Mikrobiol Epidemiol Immunobiol 48:113-7, 1971 (Rus)

[Viral pneumopathies. Introduction] Fornara P.
Minerva Pediatr 22:1324-6, 30 Jun 70 (Spa)

PATHOLOGY

Fibrinous laryngotracheobronchitis in children. Szpunar J, et al. **Arch Otolaryngol 93:173-8, Feb 71**

Combined Pneumocystis carinii and cytomegalovirus infection. Wang NS, et al.
Arch Pathol 90:529-35, Dec 70

Lung changes in rickety rats following experimental infection of the upper respiratory ways] Ströder J, et al. **Z Kinderheilkd 109:135-41, 1970 (Ger)**

[Pathomorphological characteristics of respiratory diseases in children] Maksimovich NA, et al.
Arkh Patol 32:23-9, 1970 (Rus)

PHYSIOPATHOLOGY

Behavioral effects of infectious diseases: respiratory Pasteurella tularensis in man. Alluisi EA, et al.
Percept Mot Skills 32:647-68, Apr 71

[Presence of the surfactant system in the lung as a condition for recovery from upper respiratory tract diseases. I. Introduction] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1455-9, 28 Aug 71 (Dut)

PREVENTION & CONTROL

Control of respiratory disease in recruits with types 4 and 7 adenovirus vaccines. Top FH Jr, et al.
Am J Epidemiol 94:142-6, Aug 71

Effect of poly I: C on experimental respiratory infection in hamsters. Renis HE.
Appl Microbiol 20:821-4, Nov 70

Some recent trends in vaccination against respiratory viruses. Tyrrell DA.
Br Med Bull 25:165-71, May 69 (67 ref.)

Prevention of bacterial overgrowth. Sprunt K, et al.
J Infect Dis 123:1-10, Jan 71

Routine antibiotic therapy following pleural space

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

intubation. A reappraisal. Neugebauer MK, et al. J Thorac Cardiovasc Surg 61:882-4, Jun 71
Problems in developing a respiratory vaccine. Chang TW. N Engl J Med 283:1287, 3 Dec 70
[Evaluation of the preventive effectiveness in influenza of the new native antiviral chemical agent oxoline in the 1969 epidemics] Aksenov VA, et al. Farmakol Toksikol 33:726-33, 1970 (Rus)
[Combined immunization against influenza and other viral respiratory infections] Selivanov AA, et al. Vestn Akad Med Nauk SSSR 25:33-7, 1970 (Rus)
[Preventive effect of human leukocytic interferon in preschool children] Busuek GP, et al. Vopr Virusol 16:226-9, Mar-Apr 71 (Rus)
[Problem of eliminating respiratory tract infections] Shtefnbakh AE. Zh Mikrobiol Epidemiol Immunobiol 47:19-24, Oct 70 (Rus)

RADIOGRAPHY

Roentgenologic aspects of cardiac transplantation. Postoperative pulmonary infections. Goldstein HM, et al. Am J Roentgenol Radium Ther Nucl Med 111:476-82, Mar 71
[Segmental lesions of the lungs in acute respiratory diseases in children] Iakimanskaia KI, et al. Vopr Okhr Materin Det 15:9-14, Jun 70 (Rus)
[Position of the diaphragm in chronic diseases of respiratory organs in children] Nikolić P. Srp Arh Celok Lek 98:375-82, Mar 70 (Ser)

SURGERY

[Tracheotomy in respiratory complications of measles] Saraiva PA, et al. Rev Bras Med 28:42-5, Jan 71 (Por)

THERAPY

Observations on the use of a vaporizer lamp in general practice. Tyson VC. Practitioner 206:259-63, Feb 71
[Various data on patients having taken 3 consecutive cures at Bourboule] Godonnèche J. Presse Therm Climat 107:47-50, 1970 (Fre)
[Treatment with bacterial vaccines and the incidence of acute upper respiratory tract infections in children] Sośnierzowa K. Otolaryngol Pol 25:205-9, 1971 (Pol)
[Use of controlled respiration in the treatment of acute respiratory tract infections] Zachert H, et al. Otolaryngol Pol 25:96-100, 1971 (Pol)
[Experience in the treatment of 400 children with staphylococcal destruction of the lungs] Kushch NL, et al. Grudn Khir 12:68-72, Sep-Oct 70 (Rus)

URINE

[Mucopolysaccharides in urine in acute respiratory infections in small children] Tebenchuk GM. Pediatr Akush Ginekol 2:22-4, 1971 (Ukr)

VETERINARY

Studies of canine respiratory viruses. I. Experimental infection of dogs with an SV5-like canine parainfluenza agent. Rosenberg FJ, et al. Am J Epidemiol 94:147-65, Aug 71
Morphologic and microbiologic features of nasal cavity and middle ear in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:99-114, Jan 71
Growth and survival of germfree and conventional chicks inoculated with Mycoplasma gallisepticum. Layton HW, et al. Am J Vet Res 32:1269-74, Aug 71
Rhinoviruses: isolation from cattle with acute respiratory disease. Rosenquist BD. Am J Vet Res 32:685-8, May 71
Viral diseases of the respiratory tract of cats: isolation and properties of viruses tentatively classified as picornaviruses. Studdert MJ, et al. Am J Vet Res 31:1723-32, Oct 70
Hygromycin-B induction of trichomoniasis in pigeons (Columba livia). Conrad RD, et al. Avian Dis 14:599-605, Nov 70
Criteria for examining the immune response to infectious bronchitis virus. Winterfield RW, et al. Avian Dis 15:56-67, Jan-Mar 71
Efficacy and safety of bovein respiratory vaccines. Dunlop RH. Can Vet J 11:193, Oct 70
Epidemiology of a sheep disease in the livestock experimental station, Kattupakkam of the Madras Veterinary College. Raghavan N, et al. Indian Vet J 48:454-61, May 71
Aspergilli associated with respiratory tract of poultry, buffaloes, sheep and goats. Singh MP, et al. Indian Vet J 47:624-7, Aug 70
Successful control of snuffles in a rabbit colony. Belin RP, et al. J Am Vet Med Assoc 159:622-3, Sep 71
Virologic and immunologic aspects of feline picornaviruses. Bürki F. J Am Vet Med Assoc 158:Suppl 2:916-9, 15 Mar 71 (42 ref.)
Clues to differential diagnosis of feline respiratory infections. Cello RM. J Am Vet Med Assoc 158:Suppl 2:968+, 15 Mar 71
Naturally occurring upper respiratory infection in cats. Holzworth J. J Am Vet Med Assoc 158:Suppl 2:964-8, 15 Mar 71
Epizootiology of feline respiratory infections. Kahn DE, et al. J Am Vet Med Assoc 158:Suppl 2:955-9, 15 Mar 71 (34 ref.)
Viral respiratory disease in cats. Povey RC. J Am Vet Med Assoc 155:1342, 15 Oct 67
Comments on epizootiology of feline respiratory infections. Walton TE Jr. J Am Vet Med Assoc 158:Suppl 2:960-3, 15 Mar 71
Value of chlortetracycline and sulfamethazine for conditioning feeder cattle after transit. Perry TW, et al. J Anim Sci 32:137-40, Jan 71
Studies on a rhinovirus (EC11) derived from a calf. II. Disease in calves. Betts AO, et al. J Comp Pathol 81:41-8, Jan 71
Studies on a rhinovirus (EC11) derived from a calf. I. Isolation in calf tracheal organ cultures and characterization of the virus. Reed SE, et al. J Comp Pathol 81:33-40, Jan 71
Respiratory disease in a colony of rats. I. The natural disease. Lane-Petter W, et al. J Hyg (Camb) 68:655-62, Dec 70
A survey of feline viral rhinotracheitis and feline picornavirus infection in Britain. Povey RC, et al. J Small Anim Pract 12:233-47, Apr 71
Observations on the epidemiology and control of viral respiratory disease in cats. Povey RC, et al. J Small Anim Pract 11:485-94, Jul 70
Isolation of bovine respiratory syncytial virus. Inaba Y, et al. Jap J Exp Med 40:473-4, Dec 70
Serological comparisons of feline respiratory viruses. Tan RJ. Jap J Med Sci Biol 23:419-24, Dec 70
Studies on cytopathogenic viruses from cats with respiratory infections. II. Characterization of feline picornaviruses. Takahashi E, et al. Jap J Vet Sci 33:81-7, Apr 71
Further studies on feline respiratory virus diseases. 1. Vaccination experiments. Tan RJ, et al. NZ Vet J 19:12-5, Jan-Feb 71
Further studies on feline respiratory virus diseases. 2. Immunodiffusion tests. Tan RJ, et al. NZ Vet J 19:15-8, Jan-Feb 71
Canine herpesvirus respiratory infection. Wright NG, et al. Vet Rec 87:106-9, 25 Jul 70
[Significance of Bedsonia in respiratory diseases in calves and young cattle] Winter J, et al. Arch Exp Veterinaermed 24:1347-63, 1970 (Ger)
[Bordetella infections, a problem on rabbit farms] Mayer H. Berl Munch Tieraerztl Wochenschr 84:273-4, 15 Jun 71 (Ger)
[Sulfamethazine and furazolidone administration through a milk exchanger in healthy calves--absorption, tolerance and plasma concentrations] Mülling M, et al. Berl Munch Tieraerztl Wochenschr 84:1-3, 1 Jan 71 (Ger)
[Pathomorphology and etiopathogenesis of avian respiratory mycoplasmosis and colisepticemia] Ibragimov AA, et al. Veterinariia 10:65-8, Oct 70 (Rus)
[Respiratory form of Aujeszky's disease in pigs] Pritulin PI, et al. Veterinariia 8:55-6, Aug 70 (Rus)

RESPIRATORY TRACT NEOPLASMS (C2)

Extramedullary plasmacytoma. Wiltshaw E. Br Med J 2:327, 8 May 71
Extramedullary plasmacytoma of upper respiratory tract. Rainer EH. J Laryngol Otol 84:909-19, Sep 70
[Plasmocytoma of the upper aero-digestive tract. Apropos of 10 cases] Paquelin F, et al. Ann Otolaryngol Chir Cervicofac 88:21-42, Jan-Feb 71 (Fre)
[Metastases from melanoblastoma in the respiratory system] Vidal J, et al. J Fr Med Chir Thorac 25:103-13, Jan 71 (Fre)
[Lymphosarcoma and reticulosarcoma of the upper respiratory tract (30 cases)] Pourquier H, et al. J Radiol Electrol Med Nucl 51:175-6, Mar-Apr 70 (Fre)
[Multiple tumors of the respiratory and digestive tracts] Canciullo R, et al. Arch Ital Otol 80:234-56, Jul-Aug 69 (Ita)
[Multiple tumors of the superior oro-respiratory tract] Manara G, et al. Boll Mal Orecch Gola Naso 87:489-538, 1969 (Ita)
[Current knowledge of occupational tumors of the respiratory tract] Gaffuri E. Lotta Tuberc 40:281-302, Jul-Sep 70 (Ita)
[On 2 cases of acute leukemia with predominantly respiratory clinical manifestations] Mauro R, et al. Rass Int Clin Ter 50:827-33, 15 Jul 70 (Ita)

CHEMICALLY INDUCED

Tumors of the respiratory tract induced by inhalation of bis(chloromethyl)ether. Laskin S, et al. Arch Environ Health 23:135-6, Aug 71
The epidermis and the respiratory tract as bioassay systems in tobacco carcinogenesis. Wynder EL, et al. Br J Cancer 24:574-87, Sep 70
Upper respiratory tract tumors induced in Syrian hamsters by N-methyl-N-nitrosourea. Herrold KM. Int J Cancer 6:217-22, 15 Sep 70
Systemic carcinogens (N-nitroso compounds) and synergistic or additive effects in respiratory carcinogenesis. Montesano R. Tumori 56:335-44, Nov-Dec 70
Tumorigenicity of cyclic nitrosamines in Syrian golden hamsters. Lijinsky W, et al. Z Krebsforsch 74:185-9, 1970

COMPLICATIONS

[Cancer and tuberculosis closely associated on the respiratory tract] Chrétien J, et al. Sem Hop Paris 47:1152-6, 14 Apr 71 (Fre)

DIAGNOSIS

[The early diagnosis of bronchial carcinoma] Hürzeler D. Schweiz Med Wochenschr 100:1879-82, 31 Oct 70 (Ger)
[1st results of nuclear medical respiratory function diagnosis] Riccabona G, et al. Wien Klin Wochenschr 82:765-9, 18 Oct 70 (Ger)

IMMUNOLOGY

Trachea-specific antigens in normal and malignant human tissues. Rose NR, et al. Clin Exp Immunol 7:355-64, Sep 70

MORTALITY

Long-term mortality study of steelworkers. V. Respiratory cancer in coke plant workers. Lloyd JW. J Occup Med 13:53-68, Feb 71
[On mortality of tumors of the respiratory system in the city of Genoa] Izzotti S. G Ig Med Prev 10:210-23, Apr-Jun 69 (Ita)
[Air pollution and mortality of respiratory tract diseases. Considerations on the decade 1959-1968 in the province of Pescara] Franco P. Minerva Med 62:934-8, 3 Mar 71 (Ita)

OCCURRENCE

The environmental distribution of canine respiratory tract neoplasms. Reif JS, et al. Arch Environ Health 22:136-40, Jan 71
[Prospects of studying malignant tumors of the upper respiratory tract and their geographic distribution] Karpov NA. Zh Ushn Nos Gorl Bolezn 30:8-11, May-Jun 70 (Rus)

PATHOLOGY

Spindle-cell variant of squamous carcinoma. A light and electron microscopic study of 13 cases. Lichtiger B, et al. Cancer 26:1311-20, Dec 70
[Mucoepidermoid tumors of the upper respiratory tract] Tóth J, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:223-9, 1970 (Ger)

RADIOTHERAPY

[Comparative study of the results obtained in lymphosarcoma and reticulosarcoma of the upper respiratory and digestive passages and lymph nodes in 2 radiotherapy series: a) 1st series: Low dosage radiotherapy without so-called prophylactic irradiation b) 2nd series: High dosage radiotherapy with so-called prophylactic irradiation] Dancot H. Bull Cancer (Paris) 55:439-48, Jul-Sep 68 (Fre)
[Principal therapy of cancer of the bifurcation of the aero-digestive tracts] Catalano GB, et al. Otorinolaringologie 16:221-4, May-Jun 71 (Rum)

THERAPY

[Association of cytotoxic agents with radiotherapy: experimental bases and initial results in solid tumors] Maisin H, et al. J Belge Radiol 52:234-56, 1969 (Fre)

RESPONSE LATENCY see under REACTION TIME (F3)

RESPONSE TIME see under REACTION TIME (F3)

REST (E2)

The effect of rest and physical effort on the left ventricular burden in mitral and aortic regurgitation. Levinson GE, et al. Am Heart J 80:791-801, Dec 70
Group exercise for patients with limited motion. Griffin W, et al. Am J Nurs 71:1742-3, Sep 71
Clinical measurement of the physiologic position of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rest of the crystalline lens. Perkins RB. Am J Optom 48:343-50, Apr 71

Myocardial free fatty acid in unanesthetized dogs at rest and during exercise. Miller HI, et al. Am J Physiol 220:589-96, Mar 71

Alcoholic cardiomyopathy managed with prolonged bed rest. McDonald CD, et al. Ann Intern Med 74:681-91, May 71

Bed rest in rheumatoid arthritis. Br Med J 2:667-8, 19 Jun 71

Effects of carotid sinus nerve stimulation on blood-flow distribution in conscious dogs at rest and during exercise. Vatner SF, et al. Circ Res 27:495-503, Oct 70

The amplitude spectrum of the EEG in normal man in a state of repose. Drohocki ZA. Electroencephalogr Clin Neurophysiol 30:370, Apr 71

Digital computer-analyzed resting and sleep EEGs (sleep prints) after hemispherectomy in man. Itil TM, et al. Electroencephalogr Clin Neurophysiol 30:457-61, May 71

Effect of prolonged bed rest on renal diluting capacity in normal man. Epstein M. J Appl Physiol 30:366-9, Mar 71

Immobilisation and bed rest in rheumatoid arthritis. Lancet 1:1281-2, 19 Jun 71

Effect of prolonged bed rest on bone mineral. Donaldson CL, et al. Metabolism 19:1071-84, Dec 70

Gluco-regulatory hormone response to 2-deoxy-d-glucose infusion in normal subjects at bedrest. Lipman RL, et al. Metabolism 19:980-7, Nov 70

Value of bed rest in patients with rheumatoid arthritis. Mills JA, et al. N Engl J Med 284:453-8, 4 Mar 71

Rest for the patient or his joints. N Engl J Med 284:1157-8, 20 May 71

Rest and rheumatism. NZ Med J 73:365, Jun 71

Effect of exercise on urinary catecholamine excretion in active and sedentary subjects. Taylor AW, et al. Rev Can Biol 30:97-105, Jun 71

Differential psychological effects of early and late mobilisation after myocardial infarction. Groden BM, et al. Scott Med J 16:312-6, Jul 71

[Tissue catalase activity in acute physical exertion in rats and guinea pigs treated with DL-thyroxine] Ardeleanu A, et al. Rev Roum Physiol 8:87-92, 1971 (Fre)

[The influence of resting time of pigs for slaughter on the quality of meat production] Leistner W, et al. Monatsh Vet Med 24:742-6, 1 Oct 69 (Ger)

[Usefulness of rest values of HMV in functional analytical studies] Noder W. Z Kreislaufforsch 58:1307-14, Dec 69 (Ger)

[Experimental study of tolerance to accelerations and of psychomotor behavior of man during flight under alarm conditions. II. Resistance to accelerations and psychomotor behavior of man during exposure to high temperature and without a preceding period of clinostatic position] Rota P. Riv Med Aeronaut Spax 33:117-25, Jan-Mar 70 (Ita)

[Experimental study of tolerance to accelerations and of the psychomotor behavior of man during flight under alarm conditions. I. Changes of resistance to accelerations and of psychomotor behavior in man after remaining in a clinostatic position for a limited period of time] Rota P. Riv Med Aeronaut Spax 33:107-16, Jan-Mar 70 (Ita)

[Clinical pathophysiological studies on myocardial oxygen metabolism. 1. Myocardial oxygen metabolism at a resting state] Yokoyama H. Jap Circ J 35:107-16, Jan 71 (Jap)

[Physiological substantiation of work and rest schedules of construction workers] Kiseleva VI, et al. Gig Tr Prof Zabol 14:47-8, Nov 70 (Rus)

[Some hemodynamic indices in healthy persons at rest and after controlled physical loading] Gubergrits AIa, et al. Kardiologiia 11:35-40, Feb 71 (Rus)

[Determination of optimal periods of bed rest by certain physiological signs] Mikhaflenko AA. Voen Med Zh 7:34-7, Jul 70 (Rus)

[Effect of hypodynamia on the state of the external respiratory function in different microclimatic conditions] Viazitskif PO, et al. Voen Med Zh 7:38-40, Jul 70 (Rus)

[Effect of hypodynamia on hemodynamics in different climatic conditions] Viazitskif PO, et al. Voen Med Zh 1:48-50, Jan 71 (Rus)

[Medicosociological problems of rest] Danilov IuE. Vopr Kurortol Fizioter Lech Fiz Kult 35:481-6, Nov-Dec 70 (Rus)

[Should sick children be kept in bed?] Cuttaree P, et al. Lakartidningen 68:1485-8, 24 Mar 71 (Swe)

ADVERSE EFFECTS

Immobilisation and bed rest in rheumatoid arthritis. Lancet 1:1281-2, 19 Jun 71

[Anatomical and functional changes in joints and muscles during long-term bed rest] Hamrin E. Nord Med 85:293-8, 11 Mar 71 (30 ref.) (Swe)

REST VERTICAL DIMENSION see under

VERTICAL DIMENSION (E6)

RESTAURANTS (J)

Clostridium perfringens related to roast beef cooking, storage, and contamination in a fast food service restaurant. Bryan FL, et al. Am J Public Health 61:1869-85, Sep 71

Carrier rates of intestinal pathogens in restaurant personnel of Bangkok. Sunthornsaratul A, et al. J Med Assoc Thai 53:687-93, Oct 70

[Dietetic care in the restaurant business] Tracq MF. Aliment Vie 58:173-84, 1970 (Fre)

[Survey of a series of committee studies of 14 school restaurants and canteens (1963-1969)] Tracq MF, et al. Aliment Vie 57:274-89, 1969 (Fre)

[Hotel hygiene] Zimmermann W. Oeff Gesundheitswes 33:149-57, Mar 71 (Ger)

[E. coli I. and its significance in nutritional hygienic studies] Hoch V. Zentralbl Bakteriol [Orig] 215:137-41, 1970 (Ger)

[On the presence of carriers of "enterotoxic" Cl. perfringens in groups of butchers, cooks and waiters] Soscia M, et al. Ig Mod 63:113-6, 1970 (Ita)

STANDARDS

[Some nutritional findings in community food production in the area of public restaurants] Gehlert G. Dtsch Gesundheitsw 26:797-800, 22 Apr 71 (Ger)

[Evaluation of bacteriological cleanliness of the tableware in public eating places in the township of Raciborz in 1966-1969] Bluszcz G, et al. Rocz Panstw Zakl Hig 21:703-6, 1970 (Pol)

[Hygienic appraisal of public eating places based on sanitary inspections] Kurdziel Z. Rocz Panstw Zakl Hig 21:665-73, 1970 (Pol)

RESTIFORM BODIES see under MEDULLA

OBLONGATA (A8)

RESTORER GENES see under GENES,

SUPPRESSOR (G1)

RESUSCITATION (E2)

Rational use of drugs for cardiac arrest and after cardiac resuscitation. Zoll PM. Am J Cardiol 27:645-9, Jun 71

The effect of magnesium sulfate on anoxia and resuscitation in the neonate. Dunne JT, et al. Am J Obstet Gynecol 109:369-74, 1 Feb 71

Infant resuscitation and prevention of mental retardation. Westin B. Am J Obstet Gynecol 110:1134-8, 15 Aug 71 (32 ref.)

Cardiopulmonary arrest. Evaluation of an active resuscitation program. Stiles QR, et al. Am J Surg 122:282-7, Aug 71

Electrocortigraphic limits of cerebral viability during cardiac arrest and resuscitation. Yashon D, et al. Am J Surg 121:728-31, Jun 71

Ethics of intensive treatment. Véghelyi PV. Anaesthesist 19:468-72, Dec 70

Abdominal compression in cardiopulmonary resuscitation. Redding JS. Anesth Analg (Cleve) 50:868-75, Jul-Aug 71

Vascular and respiratory emergencies. Howat DD. Ann R Coll Surg Engl 47:162-75, Sep 70

Relationship of blood substitutes to pulmonary changes and volemia. Ramírez Schon G, et al. Ann Surg 173:504-10, Apr 71

Resuscitation following prolonged cardiac arrest. Skinner DB, et al. Ann Thorac Surg 11:201-9, Mar 71

Resuscitation wall-chart. Kleine JW, et al. Arch Chir Neerl 22:283-7, 1970

Acute pulmonary insufficiency. Treatment in Vietnam casualties. Geiger JP, et al. Arch Surg 102:400-5, Apr 71

Deaths from ischaemic heart disease outside hospital and experience with a mobile resuscitation unit. Dewar HA, et al. Br Heart J 31:389, May 69

Electroencephalographic prediction of fatal anoxic brain damage after resuscitation from cardiac arrest. Binnie CD, et al. Br Med J 4:265-8, 31 Oct 70

Near drowning. Evans C, et al. Br Med J 1:47, 2 Jan 71

Resuscitation of drowned children. Gibbs JR. Br Med J 2:470-1, 22 May 71

[Continuous monitoring of the peripheral circulation with digital photoplethysmography. Its importace in anesthesia-resuscitation] Otteni JC, et al. Cah Anesthesiol 18:735-42 passim, Oct 70

Cardiopulmonary resuscitation: a review of 184 cases and some applications for future improvements. Brown CS, et al. Can Anaesth Soc J 17:565-73, Nov 70

Near drowning in humans. A report of 36 patients. Hasan S, et al. Chest 59:191-7, Feb 71

The current status of synchronized and unsynchronized precordial electric shock. Kimball JT. Geriatrics 26:111-8, Feb 71

Cardiopulmonary resuscitation and C.S. Kelley N, et al. Hosp Manage 110:45-8, Jul 70

A review of cardiac resuscitation in a general hospital. Witte AA. J Am Osteopath Assoc 70:123-30, Oct 70

A case of lightning stroke. Nesmith MA Jr. J Fla Med Assoc 58:36-7, Jun 71

Successful resuscitation following cardiac arrest. Jain PD, et al. J Indian Med Assoc 54:563-5, 16 Jun 70

Successful resuscitation following cardiac arrest. Jain PD, et al. J Indian Med Assoc 54:563-5, 1 Jul 70

Community hospital experience with emergency cardiac resuscitation. Swanson LW. J Iowa Med Soc 60:569-70, Aug 70

Pole-top cardiopulmonary resuscitation. Towne GE, et al. J Occup Med 13:398-401, Aug 71

A program for preparedness in anesthetic and emergency techniques in the oral surgery office. Hagen J, et al. J Oral Surg 29:166-70, Mar 71

Cardiopulmonary resuscitation. Coskey RL. JAMA 217:79-80, 5 Jul 71

Life saving fist punches. Fatteh A. JAMA 216:145, 15 Apr 71

Collapsible airway for mouth-to-mouth resuscitation. Stolfi JE. JAMA 216:678, 26 Apr 71

Brain death as seen by the neurosurgeon. Aiksne JF. Laval Med 41:180-2, Feb 70

Organization of cardiopulmonary resuscitation training programs. Kirimli B. Laval Med 40:265-8, Mar 69

Emergency treatment of drug abusers. Phillipson R. Med Ann DC 40:436-8, Jul 71

Acute resuscitation in the intensive care unit. Callard GM, et al. Med Clin North Am 55:1157-70, Sep 71

A system of emergency resuscitation in a general hospital. Mykyta LJ, et al. Med J Aust 1:600-3, 13 Mar 71

A system of emergency resuscitation in a general hospital. Mykyta LJ, et al. Med J Aust 1:1352, 19 Jun 71

Cardiopulmonary resuscitation 1970. Jude JR, et al. Mod Concepts Cardiovasc Dis 39:133-9, Sep 70

Posterior thump-version. Davis EY. N Engl J Med 284:919, 22 Apr 71

"Endocardial thump". Kwast HA. N Engl J Med 284:795, 8 Apr 71

Chest thumps and the heart beat. N Engl J Med 284:392-3, 18 Feb 71

"The spectator's heart". Carveth SW, et al. Nebr State Med J 55:610-3, Oct 70

Emergency care of ventricular standstill. Wild JB. Nurs Times 67:734-5, Jun 71

Acute immersion syndrome. Mullanney PJ. Postgrad Med 48:89-91, Aug 70

Cardiac arrest in the x-ray patient. Shofner OE. Radiography 38:139-40, Jun 70

Cardiopulmonary resuscitation training. A plan for providing it in a large geographic region. Johnson J, et al. Rocky Mt Med J 68:11-5, Jan 71

Electrolyte solutions in resuscitation in human hemorrhagic shock. Lowery BD, et al. Surg Gynecol Obstet 133:273-84, Aug 71

The effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance: a comparison between normal saline and Ringer's lactate solutions. Coran AG, et al. Surgery 69:874-80, Jun 71

Tissue oxygenation following resuscitation with crystalloid solution following experimental acute blood loss. Reich MP, et al. Surgery 69:928-31, Jun 71

Successful prolonged resuscitation after open heart surgery. Stein H, et al. Thorax 26:449-54, Jul 71

[Therapeutic experience in poisonings at the resuscitation department of the Kladno hospital] Hošek P. Cas Lek Cesk 110:135-6, Feb 71 (Cze)

[Contribution of resuscitation methods to the complex therapy of eclampsia in pregnancy and labor] Drábková J, et al. Cesk Gynekol 35:476-7, Oct 70 (Cze)

[Treatment of asphyxia neonatorum] Agoston BI, et al. Ned Tijdschr Geneeskd 114:1923-7, 14 Nov 70 (Dut)

[A successful resuscitation?] Mulder JA. Ned Tijdschr Geneeskd 114:1774-7, 24 Oct 70 (Dut)

[Tracheal and bronchial electrocardiographic derivations in cardiopulmonary resuscitation] Bernard R, et al. Acta Cardiol (Brux) 25:396-403, 1970 (Fre)

[Role of temporary electrosystolic pacing in cardiac resuscitation] Bernard R, et al. Acta Cardiol (Brux) 25:144-56, 1970 (Fre)

[Resuscitation in status asthmaticus] Paduart P, et al. Acta Clin Belg 24:255-75, 1969 (Fre)

[Resuscitation in poisoning caused by narcotics and psychotropic drugs. Record of 2 years activity] Thys JP, et al. Acta Clin Belg 24:149-64, 1969 (Fre)

[Emergency treatment and transportation of cases of acute imipramine derivative poisoning (apropos of 70 cases)] Noto R, et al. Agressologie 11:515-23, 1970 (Fre)

[Diagnosis of reanimation. Syndrome of subphrenic retroperitoneal irritation] Eydan R. Anesth Analg (Paris) 28:273-84, Mar-Apr 71 (Fre)

[Intra-arterial blood pressure in continuous measurement by microcatheter. Indication, technic, results] Otteni JC, et al. Anesth Analg (Paris) 28:167-82, Jan-Feb 71 (Fre)

[Resuscitation of the myasthenic patient after thymectomy] Ohresser P. Ann Chir 25:531-2, May 71 (Fre)

[Resuscitation in emergency digestive syndromes] Baur O. Ann Gastroenterol Hepatol (Paris) 7:53-73, Jan-Feb 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Resuscitation in emergency digestive syndromes. Medical point of view] Bognel JC.
Ann Gastroenterol Hepatol (Paris) 7:75-82, Jan-Feb 71 (Fre)

[Lactic acidosis in resuscitation] Grivaux M, et al.
Ann Med Interne (Paris) 122:105-12, Jan 71 (Fre)

[Defibrination syndromes observed in a ressuscitation center. The importance of intravascular coagulation in the development of shock states] Bogé JC, et al.
Bord Med 3:2593 passim, Nov 70 (Fre)

[Current resuscitation of newborn infants] Bombart M.
Bord Med 4:1907-8, Jun 71 (Fre)

[Emergencies in medico-surgical practice] Lareng L.
Brux Med 47:951-8, 8 Oct 67 (Fre)

[Physiopathology and treatment of the drowning victim] S'Jongers JJ, et al.
Brux Med 50:295-302, Apr 70 (Fre)

[Problems of medical ethics as well as of biology raised by the progress in resuscitation and in organ transplantation surgery] De Vernejoul R.
Bull Acad R Med Belg 10:435-44, 1970 (Fre)

[Resuscitation of newborn infants in the delivery room] Barrier G.
Bull Fed Soc Gynecol Obstet Lang Fr 21:372-3, Sep-Oct 69 (Fre)

[Plan for resuscitation of the newborn in the delivery room] Bertrand P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:126-9, Apr-May 69 (Fre)

[Methods of resuscitation of infants born of diabetic mothers] Fontaine G, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:453-4, Nov-Dec 68 (Fre)

[Treatment of severe forms of retroplacental hemorrhage] Landes P.
Bull Fed Soc Gynecol Obstet Lang Fr 21:303-5, Jun-Aug 69 (Fre)

[Research and new trends in resuscitation units] Aurousseau M.
Bull Inst Natl Sante Rech Med 25:757-62, Jul-Aug 70 (Fre)

[Transport and liaison. Experience. Evaluation in pediatrics] Cara M, et al.
Bull Inst Natl Sante Rech Med 25:745-55, Jul-Aug 70 (Fre)

[Practical conditions of resuscitation in the delivery room. Experience. Evaluation] Chavinie J.
Bull Inst Natl Sante Rech Med 25:661-6, Jul-Aug 70 (Fre)

[Results of a survey of pediatrics departments] Chicou F.
Bull Inst Natl Sante Rech Med 25:733-4, Jul-Aug 70 (Fre)

[Results of a survey of maternity hospitals] Chicou F.
Bull Inst Natl Sante Rech Med 25:673-80, Jul-Aug 70 (Fre)

[Results of a survey of premature infant centers] Chicou F.
Bull Inst Natl Sante Rech Med 25:707-9, Jul-Aug 70 (Fre)

[Experience. Evaluation of the present situation of premature infants] Doubois O.
Bull Inst Natl Sante Rech Med 25:711-31, Jul-Aug 70 (Fre)

[Children in the resuscitation center. Experience. Evaluation] Gueveler C.
Bull Inst Natl Sante Rech Med 25:739-44, Jul-Aug 70 (Fre)

[The team and work system] Huault G.
Bull Inst Natl Sante Rech Med 25:763-8, Jul-Aug 70 (Fre)

[Research in resuscitation. Applied research and applications of the research] Joly JB.
Bull Inst Natl Sante Rech Med 25:777-82, Jul-Aug 70 (Fre)

[Resuscitation center in the children's hospital. Experience. Evaluation] Laugier J.
Bull Inst Natl Sante Rech Med 25:735-8, Jul-Aug 70 (Fre)

[Remarks on the experience of the resuscitation unit of Saint Vincent de Paul Hospital] Thieffry S.
Bull Inst Natl Sante Rech Med 25:617-22, Jul-Aug 70 (Fre)

[What respirators must be used in postoperative respiratory resuscitation?] Lareng L, et al.
Cah Anesthesiol 19:221-4, Mar 71 (Fre)

[Place of ruscitation in the treatment of the acute phase of post-traumatic tetraplegia] Vuillemin F, et al. Cah Anesthesiol 18:821-37, Oct 70 (Fre)

[The resuscitation and its organization in public assistance hospitals in Paris] Charbonneau P.
Coeur Med Interne 10:39-45, Jan-Mar 71 (Fre)

[Pheochromocytoma and problems of resuscitation] Fendler JP, et al.
Coeur Med Interne 10:101-5, Jan-Mar 71 (Fre)

[Ventricular fibrillation in advanced cardiopathy: possibilities and limits of resuscitation] Fouchard J, et al. Coeur Med Interne 9:105-13, Jan 70 (Fre)

[Use of gentamicin in medical resuscitation] Vic-Dupont, et al.
G Ital Chemioter 16:389-96, Jan-Sep 69 (Fre)

[Standard thoracic radiodiagnosis in neonatal resuscitation] Jouve P, et al.
J Radiol Electrol Med Nucl 51:67-9, Jan-Feb 70 (Fre)

[46 episodes of cardiac resuscitation] Couture F, et al.
Laval Med 39:109-12, Feb 68 (Fre)

[Cardiorespiratory resuscitation training in Quebec] Dechêne JP. Laval Med 40:269-72, Mar 69 (Fre)

[Anesthesia-resuscitation in 1967 in pulmonary surgery for tuberculosis] Dechêne JP, et al.
Laval Med 40:233-7, Mar 69 (Fre)

[Recent acquisitions in resuscitation: intensive care] Dechêne JP. Laval Med 41:1088-92, Nov 70 (Fre)

[The anesthesist-resuscitator in the treatment of "status asthmaticus"] Déry R.
Laval Med 40:238-42, Mar 69 (Fre)

[Emergency resuscitation: general principles and technics] Hanquet M.
Laval Med 42:539-46, Jun 71 (Fre)

[Resuscitation of nonsurgical head injury cases] Huguenard P, et al. Laval Med 42:552-8, Jun 71 (Fre)

[Diazepam (Valium) in anesthesia-resuscitation] Malaplate M, et al. Laval Med 42:124-8, Feb 71 (Fre)

[Current methods of resuscitation of the newborn] Delecour M. Lille Med 16:105-11, 1971 (Fre)

[Colibacillus septicemia and bacteremia in resuscitation. Apropos of 20 cases] Bourdais A, et al.
Lyon Med 225:815-29, 9 May 71 (Fre)

[Resuscitation: various results during the past decades] Michel A.
Lyon Med 221:1129-32, 11 May 69 (Fre)

[An emergency medical resuscitation center] Duhon EJ. Maroc Med 49:389-91, Jun 69 (Fre)

[Anti-poison centers] Govaerts M.
Maroc Med 49:350-4, Jun 69 (Fre)

[Contribution of the floating catheter during respiratory resuscitation of patients with chronic pulmonary diseases] Mortara F, et al.
Maroc Med 49:402-10, Jul 69 (Fre)

[Respiratory resuscitation in juvenile surgery] Saint-Martin J, et al. Maroc Med 50:562-6, Oct 70 (Fre)

[Management of acute poisoning] Savet JF.
Maroc Med 49:371-6, Jun 69 (Fre)

[Anesthesia-resuscitation problems in patients with sickle cell anemia] Perot GJ, et al.
Med Trop (Mars) 29:377-81, May-Jun 69 (Fre)

[Our experience in vascular surgery anesthesia and resuscitation] Balestra L, et al.
Minerva Anestesiol 37:123-8, Mar 71 (Fre)

[Problems of resuscitation: a case of autochthonous cholera] Auzepy P, et al.
Presse Med 79:871-2, 17 Apr 71 (Fre)

[Unsuccessful hangings. Apropos of 4 cases] Gay R, et al. Presse Med 79:484-5, 27 Feb 71 (Fre)

[Metabolic and circulatory resuscitation in normally formed infants born at term] Martin C.
Sem Hop Paris 43:2115-8, 10 Jul 67 (Fre)

[Moral limits to resuscitation] Vic-Dupont V.
Therapeutique 47:501-3, May 71 (Fre)

[Resuscitation of electric burn patients] Picard JM, et al. Therapie 26:361-9, Mar-Apr 71 (Fre)

[Symposium on fetal distress. Reanimation of the newborn] Carignan G.
Union Med Can 98:1721-3, Oct 69 (Fre)

[Resuscitation of the asphyxiated newborn] Mayrhofer O. Anaesthesist 20:253-5, Jul 71 (Ger)

[Successful reanimation--also in a small hospital?] Theiss E. Chirurg 41:427-9, Sep 70 (Ger)

[Problems in resuscitation and anesthesia in severe fractures of the middle of the face] Hörning I.
Dtsch Stomatol 21:565-9, Jul 71 (Ger)

[Experiences and problems with prolonged resuscitation of newborn infants] Fankhauser B, et al.
Geburtshilfe Frauenheilkd 29:66-74, Jan 69 (Ger)

[Intensive therapy in drowning] Rittmeyer P.
Hefte Unfallheilkd 99:54-8, 1969 (Ger)

[Experimental studies on the evaluation of therapeutic results in acute spontaneous heart arrest] Schlosser V. Hefte Unfallheilkd 99:27-30, 1969 (Ger)

[Methods of resuscitation and transportation problems in emergency situations in medical practices] Ahnefeld FW, et al.
Internist (Berlin) 11:41-6, Feb 70 (Ger)

[Reanimation procedures in a general medical hospital] Michel D, et al.
Klin Wochenschr 49:335-40, 15 Mar 71 (Ger)

[Intensive medicine with special consideration of neurologic diseases and their complications] Mürtz R, et al. Med Welt 51:2174-82, 26 Dec 70 (Ger)

[The time factor in reanimation] Emminger E, et al.
Munch Med Wochenschr 112:2275-8, 11 Dec 70 (Ger)

[Intensive medicine. Acute circulatory arrest and reanimation] Späth G.
Munch Med Wochenschr 113:867-74, 28 May 71 (31 ref.) (Ger)

[Resuscitation of the blood circulation] Zierott G.
Ther Ggw 110:1118-30, Aug 71 (Ger)

[Reanimation of newborn infants with asphyxia] Murait G von, et al.
Ther Umsch 27:755-62, Nov 70 (Ger)

[Reanimation and management of drowned persons] Tonner HD.
Z Allgemeinmed 47:1059-63, 31 Jul 71 (Ger)

[Intensive care and reanimation--organization and results] Askanas Z, et al.
Z Gesamte Inn Med 24:Suppl:40-4, 1 Jan 69 (Ger)

[Exercises in resuscitation] Birkhan J, et al.
Harefuah 78:241-4, 1 Mar 70 (Heb)

[The treatment of asphyxia of the newborn by buffer infusions] Mashiach S, et al.
Harefuah 78:165-8, 15 Feb 70 (Heb)

[Resuscitation, cerebral death and organ transplantation] Walsa R.
Orv Hetil 111:3003-10, 20 Dec 70 (81 ref.) (Hun)

[Resuscitation after serious bilateral thoracic-pulmonary injuries] Achilli M, et al.
Acta Anaesthesiol (Padova) 20:817-23, Jul-Aug 69 (Ita)

[Old and new experiences in reanimation of severely asphyxiated neonates by means of endofunicular transfusion] Avitto P.
Acta Anaesthesiol (Padova) 19:Suppl 2:168+, 1968 (Ita)

[Medico-legal problems related to resuscitation methods] Bevilacqua C.
Acta Anaesthesiol (Padova) 21:95-105, Jan-Feb 70 (Ita)

[Importance of the gastrointestinal motility in resuscitation] Brandolini G, et al.
Acta Anaesthesiol (Padova) 20:595-602, May-Jun 69 (Ita)

[The use of levulose in resuscitation] Colombo L, et al.
Acta Anaesthesiol (Padova) 20:Suppl 2:79-90, 1969 (Ita)

[Resuscitation of the newborn] Cosmi EV.
Acta Anaesthesiol (Padova) 19:Suppl 2:133+, 1968 (Ita)

[Resuscitation and intensive care departments in modern hospitals. Unit premises: hygienic problems and microclimate] Cremonini G.
Acta Anaesthesiol (Padova) 21:69-79, Jan-Feb 70 (Ita)

[Our experience in the resuscitation of children with status asthmaticus. (Apropos of 5 cases)] D'Amico D, et al.
Acta Anaesthesiol (Padova) 21:643-51, Sep-Oct 70 (Ita)

[Resuscitation of the patient with electrical injury] Di Corato R, et al.
Acta Anaesthesiol (Padova) 21:249-54, Mar-Apr 70 (Ita)

[Special clinical aspects of corticoid therapy in high doses in anesthesia and resuscitation] Fantera A.
Acta Anaesthesiol (Padova) 20:Suppl 1:97+, 1969 (Ita)

B [Resuscitation and intensive care departments in modern hospitals. Facilities and equipment] Gasparetto A.
Acta Anaesthesiol (Padova) 21:80-6, Jan-Feb 70 (Ita)

[Current possibilities and limitations of resuscitation] Gasparetto A.
Acta Anaesthesiol (Padova) 20:1035-43, Nov-Dec 69 (Ita)

[Extracorporeal dialysis in resuscitation in acute optalidon poisoning] Logi G, et al.
Acta Anaesthesiol (Padova) 20:Suppl 2:39-48, 1969 (Ita)

[Problems of pre-per- and post-- operative resuscitation in intestinal obstructions] Maggi U, et al.
Acta Anaesthesiol (Padova) 20:761-77, Jul-Aug 69 (Ita)

[Hospital resuscitation and first aid services and their extra-hospital auxiliary services] Mazzoni P, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:139+, 1969 (Ita)

[Anesthesia technics and resuscitation problems in plexectomy treatment of hypertensive hydrocephalus in infants] Pacifico L, et al.
Acta Anaesthesiol (Padova) 20:1045-57, Nov-Dec 69 (Ita)

[Resuscitation problems in spinal cord injuries] Pantaleoni M.
Acta Anaesthesiol (Padova) 20:1059-82, Nov-Dec 69 (Ita)

[Resuscitation and- intensive care departments in modern hospitals. Regulative and organizational aspects] Riga C.
Acta Anaesthesiol (Padova) 21:49-61, Jan-Feb 70 (Ita)

[Resuscitation and intensive care departments in modern hospitals. Unit premises: placement and structural characteristics] Rizzotti G.
Acta Anaesthesiol (Padova) 21:62-8, Jan-Feb 70 (Ita)

[Nosology of resuscitation and intensive care centers] Sabena V.
Acta Anaesthesiol (Padova) 21:106-9, Jan-Feb 70 (Ita)

[Case of resuscitation after attempted suicide by hanging] Sforza I, et al.
Acta Anaesthesiol (Padova) 20:619-23, May-Jun 69 (Ita)

[Teaching of anesthesia and resuscitation in Italy (considerations and proposals)] Simone M.
Acta Anaesthesiol (Padova) 21:511-3, Jul-Aug 70 (Ita)

[Poly- and plurivalent resuscitation departments] Simone M.
Acta Anaesthesiol (Padova) 21:110-4, Jan-Feb 70 (Ita)

[Resuscitation and intensive care departments in modern hospitals. Laboratory activities] Testolin R.
Acta Anaesthesiol (Padova) 21:87-94, Jan-Feb 70 (Ita)

[Current views on the etiology and physiopathology of neonatal distress (outline for resuscitation)] Valenti B, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Acta Anaesthesiol (Padova) 21:427-46, Jul-Aug 70 (53 ref.) (Ita)
[Resuscitation in myasthenia gravis (reports of 14 cases)] D'Amico D, et al.
Acta Chir Ital 26:243-52, May-Jun 70 (Ita)
[Problems of anesthesia and resuscitation on board merchant ships during navigation] Arosio G, et al.
Ann Med Nav (Roma) 76:9-70, Jan-Feb 71 (Ita)
[Problems of anesthesia and resuscitation on board ships] Pennacchia S.
Ann Med Nav (Roma) 76:118-20, Jan-Feb 71 (Ita)
[Notes on resuscitation in otorhinolaryngology] Varesi M, et al. Arch Ital Otol 80:268-73, Jul-Aug 69 (Ita)
[Resuscitation of burned patients] Esposito B, et al.
Arcisp S Anna Ferrara 22:501-59, 1969 (Ita)
[Technical trends in instrumental resuscitation. (Problems of its use in first aid). Apparatus, technics and related problems in respiratory and cardiocirculatory resuscitation] Malin L, et al.
Arcisp S Anna Ferrara 22:393-462, 1969 (Ita)
[Problems of anesthesia and resuscitation in injured patients] Malin L, et al.
Arcisp S Anna Ferrara 22:561-609, 1969 (Ita)
[Resuscitation of the asphyctic newborn infant] Carboncini P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1162-76, 1968 (Ita)
[Responsibilities and possibilities of the resuscitative-anesthetist in the improvement of the operative prognosis and postoperative sequels in geriatric orthopedic traumatology and surgery] Castellani L, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:106-20, 1968 (Ita)
[Cardiocirculatory arrest in resuscitation: case reports] Castelli E, et al.
Boll Soc Ital Cardiol 15:649-57, 1970 (Ita)
[Report on one year of clinical activity of the coronary unit of the resuscitation department of the Policlinico Universitario of Milan] Lotto A, et al.
Boll Soc Ital Cardiol 15:434-46, 1970 (Ita)
[In vitro sensitivity and in vivo resistance of some microbial strains in resuscitation] Fava E, et al.
G Ital Chemioter 16:38-49, Jan-Sep 69 (Ita)
[Use of gentamicin in acute and chronic pulmonary phlogosis with a serious respiratory insufficiency in the course of resuscitation treatment] Fava E, et al.
G Ital Chemioter 16:403-7, Jan-Sep 69 (Ita)
[Indications and results of therapy with gentamicin sulfate in prolonged resuscitation] Giardina B, et al.
G Ital Chemioter 16:408-11, Jan-Sep 69 (Ita)
[Endogenous infection in patients resuscitated in the intensive care unit] Cucchi L, et al.
G Ital Mal Torace 23:291-2 passim, Nov-Dec 69 (Ita)
[Changes in pulmonary alveoli beta-lipoprotein levels following fresh water drowning and cardiac resuscitation] Bondoli A, et al.
Minerva Anestesiol 36:315-9, May 70 (Ita)
[Analytical examination of the various monitoring systems and considerations on their clinical use] Caroli G, et al.
Minerva Anestesiol 35:1041-4, Oct 69 (Ita)
[Problems of resuscitation in dismetabolic syndrome secondary to revascularization after acute ischemia of the extremities] Celoria R, et al.
Minerva Anestesiol 36:776-81, Dec 70 (Ita)
[Indications for amino acids in resuscitation] Delfino U, et al. Minerva Anestesiol 37:129-33, Mar 71 (Ita)
[Anesthesia-resuscitation and heart transplants. Connected problems and adapted technics] Fagiano G. Minerva Anestesiol 37:101-18, Mar 71 (Ita)
[Organizational problems in creating a resuscitation department in an obstetrics and gynecology hospital] Leone G, et al.
Minerva Anestesiol 35:1045-9, Oct 69 (Ita)
[Death and resuscitation in drowning] Manni C, et al.
Minerva Anestesiol 36:381-478, Jul 70 (Ita)
[Modern fetal-neonatal resuscitation technics] Margaria E, et al.
Minerva Anestesiol 37:180-9, Apr 71 (Ita)
[Resuscitation and intensive care centers] Nanni Costa P. Minerva Anestesiol 35:1037-40, Oct 69 (Ita)
[Resuscitation in a case of serrated tracheobronchial obstruction by means of a modified sound] Pellerano P, et al. Minerva Anestesiol 35:733-5, Jul 69 (Ita)
[Burns in children. Trends in resuscitation in pediatric burns] Scotti A, et al.
Minerva Anestesiol 35:1295-303, Dec 69 (Ita)
[Resuscitation in thoracic mobile flap fractures] Zaffiri O, et al. Minerva Anestesiol 35:1079-80, Oct 69 (Ita)
[Orthotopic homotransplantation of the heart in the dog. Technical problems and cardiac resuscitation problems] Lodi R, et al.
Minerva Chir 26:603-14, 15 Jun 71 (Ita)
[Resuscitation in asphyxia neonatorum] Angioni G, et al. Minerva Ginecol 22:441-2, 30 Apr 70 (Ita)
[On neonatal resuscitation] Segata L, et al.
Minerva Ginecol 22:488-90, 15 May 70 (Ita)
[Anesthesia and resuscitation: aspects of a modern specialty. (The opinion of Professor Osvaldo Galletta)] Salvati A.
Minerva Med 62:47-9, 6 Jan 71 (Ita)
[On the use of high doses of thiamine in reanimation in neurosurgery] D'Alessandro R, et al.
Minerva Neurochir 13:100-2, 1969 (Ita)
[Emergency resuscitation and therapy in cranio-cerebral injuries] Liguori R, et al.
Rass Int Clin Ter 49:355-69, 31 Mar 69 (Ita)
[Our experience with methicillin-ampicillin combination in resuscitation] Viglietto A, et al.
Rass Int Clin Ter 51:227-36, 28 Feb 71 (Ita)
[Use of immediate hypothermia for the prevention of cerebral damage following resuscitation in cardiac arrest] Baba K, et al.
Jap J Anesthesiol 20:252-8, Mar 71 (Jap)
[Method of resuscitation. 3. Effect of an emergency resuscitating agent directly injected into the myocardium] Shiro Y, et al.
Jap J Anesthesiol 20:56-61, Jan 71 (Jap)
[Resuscitation in a medical reception department] Folling M.
Tidsskr Nor Laegeforen 91:1386-8, 30 Jun 71 (Nor)
[Treatment of the newborn in asphyxia: resuscitation] Sawa H. Pediatr Pol 45:1005-10, Aug 70 (31 ref.) (Pol)
[An analysis of the results of resuscitation management and its critical moments] Redakcyjny A.
Pol Arch Med Wewn 45:613-6, Nov 70 (Pol)
[Results of resuscitation carried out in a Department of Surgery] Lewandowski J, et al.
Pol Przegl Chir 43:713-8, May 71 (Pol)
[Late results of patients after resuscitation during cardiac arrest] Aleksandrow W, et al.
Pol Tyg Lek 26:342-4, 8 Mar 71 (Pol)
[Resuscitation and anesthesiological procedure in patients with massive hemorrhage from the upper section of the alimentary canal] Zelazny T, et al.
Przegl Lek 26:823-6, 1970 (Pol)
[Adaptation of hospital admission rooms to resuscitation purposes] Kossakiewicz J, et al.
Wiad Lek 24:897-8, 1 May 71 (Pol)
[Cardio-respiratory resuscitation in dental practice] Silveira JS da.
Rev Port Estomatol Cir Maxilofac 11:153-99, Jan-Jun 70 (Por)
[Aspects of resuscitation in neonatal surgery] Botez R, et al. Pediatria (Bucur) 19:365-72, Jul-Aug 70 (Rum)
[Cardiac syncope in infants] Prişcu R, et al.
Pediatria (Bucur) 20:99-112, Mar-Apr 71 (Rum)
[Resuscitation of newborn in asphyxia] Savel'eva GM.
Akush Ginekol (Mosk) 47:24-7, May 71 (Rus)
[Outcome of resuscitation and subsequent state of health in women who sustained clinical death during labor due to labor complications] Syrovatko FA, et al.
Akush Ginekol (Mosk) 46:55-8, Jul 70 (Rus)
[Effect of the duration of complete cessation of blood circulation on restoration of vital functions in resuscitation with the heart-lung machine] Bozh'ev AA. Biull Eksp Biol Med 70:23-6, Jul 70 (Rus)
[ECG changes in prolonged clinical death and subsequent resuscitation of the organism] Gurvich NL, et al. Biull Eksp Biol Med 71:9-12, Jan 71 (Rus)
[The effect of electrostimulation of areas of the medulla and spinal cord on restoration of the function of the respiratory center following clinical death] Gurvich NL, et al.
Biull Eksp Biol Med 66:17-9, Nov 68 (Rus)
[Time periods of restoration of respiratory center function in dogs after sudden heart arrest and reanimation with complete artificial blood circulation] Tolova SV, et al.
Biull Eksp Biol Med 70:13-6, Sep 70 (Rus)
[Possibility of spontaneous restoration of bioelectric heart activity after its prolonged cessation in the course of dying] Shaban IV.
Dokl Akad Nauk SSSR 189:685-7, Nov 69 (Rus)
[A sterile room for resuscitation of patients after homologous heart transplantation] Balliuzek VF, et al.
Eksp Khir Anesteziol 15:84-7, Mar-Apr 70 (Rus)
[Case of successful resuscitation in a gunshot wound of the chest and lungs with injuries to the mediastinum and left superior pulmonary vein] Chukhrienko DP, et al. Grudn Khir 12:110-1, Nov-Dec 70 (Rus)
[Control for hemodynamic indices during catheterization of the subclavian vein] Nedashkovskiĭ EV, et al. Kardiologiia 11:130-1, Feb 71 (Rus)
[Outcomes of resuscitation in acute myocardial infarct] Vol'pert EI, et al. Kardiologiia 10:69-73, Nov 70 (Rus)
[Radioisotope scanning of the liver in the recovery period after resuscitation of the organism] Radushkevich VP, et al.
Khirurgiia (Mosk) 46:105-9, Apr 70 (Rus)
[Resuscitation in myocardial infarct] Lukomskiĭ PE, et al. Klin Med (Mosk) 48:82-91, Aug 70 (Rus)
[Analysis of the lethal outcomes in cerebral insult under conditions of respiratory resuscitation] Popova LM, et al. Klin Med (Mosk) 48:61-70, Sep 70 (Rus)
[A case of successful reanimation after pachycarpine poisoning] Zhevnov VN, et al.
Klin Med (Mosk) 47:150, Sep 69 (Rus)
[The electrical activity of individual layers of the cerebral cortex during dying and resuscitation in animals] Ianvareva IN, et al.
Nerv Sist 10:20-8, 1969 (Rus)
[Apparatus for resuscitation and treatment in acute oxygen insufficiency] Cherniakhovskiĭ FR, et al.
Nov Med Priborostr 2:150-6, 1970 (Rus)
[Use of the RD-3 apparatus for artificial ventilation of the lungs] Kaverina KP, et al.
Nov Med Priborostr 2:108-9, 1970 (Rus)
[Resuscitation in patients with severe combined injuries and uncompensated shock] Pashchuk AIu, et al. Ortop Travmatol Protez 31:83-5, Aug 70 (Rus)
[The dynamics of acid-base equilibrium in the restorative period following circulatory standstill caused by asphyxia] Bulanova ON, et al.
Patol Fiziol Eksp Ter 14:13-6, Nov-Dec 70 (Rus)
[Cardiac output and several hemodynamic indices in the early restorative period following resuscitation after lethal blood loss in cats] Evtushenko AIa, et al.
Patol Fiziol Eksp Ter 15:65-7, May-Jun 71 (Rus)
[Acid-base equilibrium in resuscitation using extracorporeal circulation following prolonged clinical death] Trubina IE.
Patol Fiziol Eksp Ter 15:57-9, May-Jun 71 (Rus)
[Problem of resuscitation and intensive therapy in pediatrics] Isakov IuF, et al.
Pediatriia 49:3-8, Nov 70 (Rus)
[Characteristics of transfusion therapy in resuscitation of patients with massive hemorrhage] Kaverina KP, et al. Probl Gematol Pereliv Krovi 15:13-7, Nov 70 (Rus)
[Urgent problems of organizing resuscitation aid in the village] Tsmokaliuk II, et al.
Sov Zdravookhr 29:47-9, 1970 (Rus)
[A case of successful resuscitation of a patient after aconite root poisoning] Ganzha AG, et al.
Sov Zdravookhr Kirg 6:48-50, Nov-Dec 70 (Rus)
[State of the hypothalamo-hypophyseal neurosecretory system (HHNS) in terminal states caused by mechanical asphyxia and in the period of restoration of vital functions (experimental study)] Romanova NP, et al. Sud Med Ekspert 13:20-3, Jul-Sep 70 (Rus)
[Organization of anesthesiologic and resuscitation service in the military medical batallion in peace time] Anichkov MN, et al.
Voen Med Zh 12:10-2, Dec 70 (Rus)
[Resuscitation measures in the treatment of acute carbon monoxide poisoning] Salnis AN, et al.
Voen Med Zh 11:32-4, Nov 70 (Rus)
[A case of successful resuscitation following severe luminal poisoning] Beliaevskiĭ AD.
Vrach Delo 121-2, Jan 71 (Rus)
[Effect of insulin and glucose on the adenosine triphosphate-adenosine triphosphatase system in resuscitation] Khachatrian SA.
Zh Eksp Klin Med 7:13-21, 1967 (Rus)
[Partial replacement of the blood in the treatment of patients in terminal states and in the postresuscitation period] Shikunova LG.
Zh Eksp Klin Med 8:83-7, 1968 (Rus)
[A clinico-morphologic analysis of decerebrate rigidity arising following resuscitation] Popova LM.
Zh Nevropatol Psikhiatr 70:1776-84, 1970 (Rus)
[Applications of anesthesia in clinical practice] Delorme JC, et al.
Prensa Med Argent 58:110-5, 12 Mar 71 (Spa)
[Heart arrest. Cardio-respiratory resuscitation] Favaloro R.
Prensa Med Argent 57:1411-4, 18 Sep 70 (Spa)
[Use of haemocel for restoring the blood volume in the resuscitation of severely injuried patients] Bordel Blanco E, et al.
Rev Esp Anestesiol Reanim 17:771-4, Oct 70 (Spa)
[Use of haemocel in resuscitation of people drowning in seawater] Chulià Cámpos V, et al.
Rev Esp Anestesiol Reanim 17:779-83, Oct 70 (Spa)
[Our experience in resuscitation from shock using the plasma substitute Hemoce] Soria Ramírez A.
Rev Esp Anestesiol Reanim 18:115-25, Jan 71 (Spa)
[Blood transfusion in anesthesia and neurosurgical resuscitation] Gaido A, et al.
Rev Esp Otoneurooftalmol Neurocir 28:223-8, 1969-70 (Spa)
[Hospital infections in the Resuscitation Center of the Cochin Hospital (Paris)] Piedrola Angulo G, et al.
Rev Sanid Hig Publica (Madr) 43:193-215, Mar-Apr 69 (Spa)
[Brain function after heart resuscitation in case of poisoning] Malmlund HO, et al.
Nord Med 84:1527-8, 26 Nov 70 (Swe)
[Principles of heart-lung reanimation therapy (cardio-pulmonary resuscitation)] Büyüköztürk K.
Tip Fak Mecm 32:747-59, 1969 (Tur)
[Use of tetraolean in resuscitation] Malovichko AIa, et al. Farm Zh 26:90-1, Jan-Feb 71 (Ukr)
[Use of oxygen for respiration of the donor-parabiont whose organism is used for resuscitation of dogs after long period of death] Adamenko MP, et al.
Fiziol Zh 15:625-30, Sep-Oct 69 (Ukr)
[Peculiarities in neurosecretory function of the hypothalamus in clinical death and resuscitation] Genis ED. Fiziol Zh 14:30-6, Jan-Feb 68 (Ukr)
[Some indices of functional state of the organism in drowning and resuscitation] Sokolianskiĭ IF, et al.
Fiziol Zh 16:326-9, May-Jun 70 (Ukr)
[Problem of cerebral death in resuscitation] Kadlic T, et al. Rozhl Chir 49:568-74, Nov 70 (27 ref.) (Slo)

ADVERSE EFFECTS

Unintentional esophageal intubation in the newborn. Stool SE, et al. Pediatrics 48:299-301, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Complications of tracheotomy and prolonged resuscitation in patients of an internal intensive care unit] Schylla G, et al.
Med Welt 51:2183-92, 26 Dec 70 (Ger)
[Delirium following resuscitation with mild psycho-organic sequelae] Falkowski S.
Psychiatr Pol 5:359-61, May-Jun 71 (Pol)

HISTORY

Early experience with resuscitation by means of electricity. Schechter DC. Surgery 69:360-72, Mar 71
[Historical considerations on cardiac arrest and resuscitation] Overbeck W, et al.
Thoraxchirurgie 17:177-84, Apr 69 (Ger)
[Resuscitation in the Bible] Rosen Z.
Harefuah 79:27-8, 1 Jul 70 (Heb)
[On revivescence of the isolated heart: the preceding work of Antonio Cesaris Demel] (Cesaris Demel A), Pascarella F. Clin Ter 56:369-87, 28 Feb 71 (Ita)

INSTRUMENTATION

Hand-operated self-inflating resuscitation equipment--a re-evaluation. Redick LF.
Anesth Analg (Cleve) 50:554-6, Jul-Aug 71
Ambulance design and equipment for mobile intensive care. Safar P, et al. Arch Surg 102:163-71, Mar 71
["Mainz" resuscitation table] Kreuscher H.
Anaesthesist 19:410-1, Oct 70 (Ger)
[Decontamination of anesthesia and resuscitation equipment] Centi R, et al.
Minerva Anestesiol 37:340-5, Aug-Sep 71 (Ita)
[A simple apparatus to help in cardiocirculation] Actis Dato A, et al.
Minerva Cardioangiol 17:995-8, Nov 69 (Ita)
[Device for artificial respiration in pressure chamber under higher gas pressure during reanimation after the death from rapid decompression] Skuratovskii AS, et al. Fiziol Zh 17:276-7, Mar-Apr 71 (Ukr)

MANPOWER

[The technical training of qualified staff. Education and its programming] Husault G.
Bull Inst Nati Sante Rech Med 25:769-75, Jul-Aug 70 (Fre)

RETENTION see under MEMORY (F1)

RETICULAR FORMATION (A8)

Relationship of central respiratory disturbances to sleep and disorders of consciousness. Strang FA.
Proc R Soc Med 64:484-9, May 71
Reticular stimulation and the light-adapted discharges of the visually evoked cortical response in cat. Suzuki TA, et al. Tohoku J Exp Med 103:269-83, Mar 71
[Changes in the evoked potentials of the reticular formation under the influence of single stimulations of the hypothalamus] Shevchenko DG.
Biull Eksp Biol Med 68:3-6, Nov 69 (Rus)
[The semiology of motor function disorders during treatment with neuroleptic drugs] Fleis EP.
Zh Nevropatol Psikhiatr 70:1798-804, 1970 (Rus)
[The role of the spinal cord reticular formation in the pathogenesis of ischemic disorders of spinal circulation] Sharapov BI, et al.
Zh Nevropatol Psikhiatr 70:540-5, 1970 (Rus)

ANALYSIS

[A microelectrode method of potentiometric pH determination (in respiratory center tissue)] Iumatov EA. Fiziol Zh SSSR 56:1657-60, Nov 70 (Rus)

ANATOMY & HISTOLOGY

Reticular projections to lateral geniculate in cat. Bowsher D. Brain Res 23:247-9, 13 Oct 70
An anatomical study of the efferent connections of the thalamic reticular nucleus. Minderhoud JM.
Exp Brain Res 112:435-46, 26 May 71
Projections of the interstitial nerve cells surrounding the globus pallidus: a study of retrograde changes following cortical ablations in rabbits. Das GD.
Z Anat Entwicklungsgesch 133:135-60, 1971
[Interconnections of the left and right parabrachialis medialis nuclei (pneumotaxic system)] Bertrand F, et al. J Physiol (Paris) 63:11A, Mar-Apr 71 (Fre)

CYTOLOGY

Reticulospinal neurones in the rat. Fox JE.
Brain Res 23:35-40, 29 Sep 70
Ultrastructural observations on the degeneration of spinal afferents to the nucleus medullae oblongatae centralis (pars caudalis) of the cat. Westman J, et al.
Brain Res 26:395-8, 5 Mar 71
Actions of amino acids and convulsants on bulbar reticular neurones. Hösli L, et al.
Exp Brain Res 11:111-27, 1970
Reticulospinal fibers of the opossum, Didelphis virginiana. I. Origin. Beran RL, et al.
J Comp Neurol 141:453-65, Apr 71
Reticulospinal fibers of the opossum, Didelphis virginiana. II. Course, caudal extent and distribution. Martin GF, et al. J Comp Neurol 141:467-83, Apr 71
[Cytometric analysis of the reticular zone of the adrenal cortex in normal and pregnant rats] Nussdorfer GG.
Arch Ital Anat Embriol 74:265-79, 1969 (Ita)
[Axodendritic synapses with a subsynaptic stria in the reticular formation of reptiles] Kositsyn NS.
Dokl Akad Nauk SSSR 189:1404-6, 21 Dec 69 (Rus)
[Histochemical and electron microscopic studies of the presence and distribution of glycogen in reticular formation synapses] Kositsyn NS, et al.
Dokl Akad Nauk SSSR 194:698-700, 1970 (Rus)
[Axodendritic connections of the reticular formation of the brain stem in reptiles] Kositsyn NS.
Dokl Akad Nauk SSSR 187:942-4, Aug 69 (Rus)

DRUG EFFECTS

Blockade of the reticulospinal inhibitory pathway by anaesthetic agents. Frank GB, et al.
Br J Pharmacol 42:328-42, Jul 71
Short latency induction of estrous behavior with intracerebral gonadal hormones in overiectomized rats. Ross J, et al. Endocrinology 89:32-8, Jul 71
Locus of action of centrally acting muscle relaxants, diazepam and tybamate. Tseng TC, et al.
J Pharmacol Exp Ther 178:350-60, Aug 71
The effect of anaesthesia on units in the thalamic reticular formation. Angel A, et al.
J Physiol (Lond) 210:167P+, Sep 70
[Comparative studies on the effects of caffeine and chlorogenic acid on human psychomotor performance] Strasser H, et al.
Aerztl Forsch 25:209-17, 10 Jul 71 (Ger)
[Studies on the effect of a new psychotropic drug 1-((methylamino)methyl)-dibenzo(b,e)bicyclo-(2,2,2)octadiene hydrochloride on the CO2 sensitive central respiratory regulation] Geisler L, et al.
Arzneim Forsch 20:957-8, Jul 70 (Ger)
[Reticular effect of ketamine in comparison with different intravenous narcotics] Schomburg ED.
Dtsch Med Wochenschr 96:651-2, 9 Apr 71 (Ger)
[Experimental research on changes in optokinetic nystagmus under the influence of fentanyl] Castellini V, et al. Valsalva 46:163-9, Aug 70 (Ita)
[Neuronal activities during disturbance of consciousness caused by various chemicals] Sawa M, et al. Adv Neurol Sci (Tokyo) 14:640-5, Apr 71 (Jap)
[Electroencephalographic observation of the effect of direct injection of anesthetics and other drugs into the mesencephalic reticular formation] Yanagida H, et al. Jap J Anesthesiol 20:51-5, Jan 71 (Jap)
[Site of actions of anesthetics in the brain. 5. Pontine reticular formation] Yanagida H.
Jap J Anesthesiol 19:1402-4, Nov 70 (Jap)
[Effect of triftaxin on the ultrastructure of neurons in the rat brain reticular formation] Arefolov VA, et al.
Biull Eksp Biol Med 71:38-42, Jan 71 (Rus)
[Effect of fluothane on the reticular formation of the mesencephalon and the cerebral cortex] Plekhotkina SI. Biull Eksp Biol Med 70:56-60, Aug 70 (Rus)
[The effect of corazole, trimetin and diphenin on the postsynaptic potentials of motor neurons upon suprasegmental stimulation] Shapovalov AI, et al.
Biull Eksp Biol Med 68:74-9, 1968 (Rus)
[The effect of catecholamines (piridrol and phenamine) on various synaptic systems of the cerebral cortex] Smirnov GD, et al.
Biull Eksp Biol Med 63:30-3, Nov 67 (Rus)
[Effect of central cholinolytics on the relation of the mesencephalic reticular formation with the structures of prosencephalon and diencephalon] Borodkin IuS, et al.
Farmakol Toksikol 34:259-63, May-Jun 71 (Rus)
[Effect of psychotropic substances on the behavior of cats, induced by administration of acetylcholine into the hypothalamus] Kurochkin IG, et al.
Farmakol Toksikol 34:21-5, 1971 (Rus)
[Action of chlordiazepoxide on the excitability of the respiratory center] Florez J.
Arch Inst Farmacol Exp (Madr) 21:55-62, 1969 (Spa)
[Neurochemical mechanisms of the activity of limbic-reticular formations] Vediaev FP.
Fiziol Zh 16:172-81, Mar-Apr 70 (Ukr)

ENZYMOLOGY

Succinoxidase activity in reticular neurons of hyperactive rats. Hartmann HA, et al.
Acta Neuropathol (Berl) 16:154-60, 1970

INNERVATION

Connections of the subthalamus with the reticular formation of the rat brain stem. Petrovický P.
Acta Univ Carol [Med] (Praha) 16:461-70, 1970

PHYSIOLOGY

Frequency-specific response of the pituitary-adrenocortical system on pontine stimulation. Shkhinek EK, et al.
Acta Physiol Acad Sci Hung 38:51-7, 1970
Nitrous oxide: an anesthetic for experiments in cats. Venes JL, et al. Am J Physiol 220:2028-31, Jun 71
The effects of anesthetics on reticular and cortical activity. Darbinjan TM, et al.
Anesthesiology 34:219-29, Mar 71
The influence of electrical stimulation of the posterior hypothalamus and of the mesencephalic reticular formation on the retinal artery pressure in the cat. Sterman-Marinchescu C.
Arch Int Physiol Biochim 78:79-90, Feb 70
Effects of muscle afferents on brain stem reticular and vestibular units. Barnes CD, et al.
Brain Res 25:179-83, 8 Jan 71
Presynaptic facilitation: positive dorsal root potentials evoked from brain stem reticular formation in lumbar cord. Chan SH, et al. Brain Res 28:176-9, 16 Apr 71
Cerebellar excitation of lateral reticular nucleus cells. Crichlow EC. Brain Res 25:195-8, 8 Jan 71
A midbrain projection to the centre median nucleus of the thalamus. A neurophysiological study. Dila CJ.
Brain Res 25:63-74, 8 Jan 71
Effect of crossed-perfusion of the midbrain reticular formation upon sleep. Drucker-Colin RP, et al.
Brain Res 23:269-73, 13 Oct 70
An intracellular study of hippocampal responses to reticular stimulation. Grantyn A.
Brain Res 22:409-12, 16 Sep 70
A comparison of the effects of monoamines on neurones of the bulbar reticular formation. Hösli L, et al. Brain Res 25:357-70, 22 Jan 71
PGO waves as unitary events. Malcolm LJ, et al.
Brain Res 24:130-3, 11 Nov 70
Intracellular study of intralaminar thalmic neurones during brain stem reticular stimulation. Mancia M, et al. Brain Res 24:547, 18 Dec 70
The lateral respiratory neurones of the medulla: their associations with nucleus ambiguus, nucleus retroambigualis, the spinal accessory nucleus and the spinal cord. Merrill EG. Brain Res 24:11-28, 11 Nov 70
Reticular control of motor activity in the cat. Nysenbaum-Requin S, et al.
Brain Res 24:542-3, 18 Dec 70
Excitation and inhibition of reticulospinal neurons by vestibular, cortical and cutaneous stimulation. Peterson BW, et al. Brain Res 27:373-6, 2 Apr 71
The potential hazard of oxygen after bilateral cordotomy. Kuperman AS, et al. Chest 59:232-5, Feb 71
Behavioral and EEG asymmetry following unilateral lesions of the forebrain and midbrain in cats. Reeves AG, et al.
Electroencephalogr Clin Neurophysiol 30:83-6, Jan 71
Influence of sensorimotor cortices on lateral reticular nucleus cells. Crichlow EC.
Exp Neurol 32:184-94, Aug 71
Effects of visual deafferentation on mesencephalic reticular activity in freely behaving cats. Kasamatsu T. Exp Neurol 29:251-67, Nov 70
Maintained and evoked unit activity in the mesencephalic reticular formation of the freely behaving cat. Kasamatsu T.
Exp Neurol 28:450-70, Sep 70
Effect of recurrent stimulation of the brain stem reticular formation on REM sleep in cats. Monti JM.
Exp Neurol 28:484-93, Sep 70
Respiratory neurons participating in sneeze and in response to resistance to expiration. Price WM, et al.
Exp Neurol 29:554-70, Dec 70
Effect of posterior pituitary extracts and stimulation of midbrain reticular formation on ACTH in rats with hypothalamic lesion. Sen RN, et al.
Indian J Physiol Pharmacol 14:1-10, Jan 70
Effects of midbrain reticular lesions upon the orienting response in the rat. Kesner RP, et al.
J Comp Physiol Psychol 73:170-4, Oct 70
Respiratory synchronizing function of nucleus parabrachialis medialis: pneumotaxic mechanisms. Bertrand F, et al. J Neurophysiol 34:189-207, Mar 71
Supraspinal control of tonic vibration reflex. Gillies JD, et al. J Neurophysiol 34:302-9, Mar 71
Medullary activation of intercostal fusimotor and alpha motoneurones. Andersen P, et al.
J Physiol (Lond) 209:739-55, Aug 70
Place and modality analysis in caudal reticular formation. Bowsher D.
J Physiol (Lond) 209:473-86, Aug 70
Place and modality analysis in nucleus of posterior commissure. Bowsher D, et al.
J Physiol (Lond) 206:663-75, Mar 70
The function of the paramedian reticular nucleus in the control of heart rate in the cat. Calaresu FR, et al.
J Physiol (Lond) 216:143-58, Jul 71
The paramedian reticular nucleus: a site of inhibitory interaction between projections from fastigial nucleus and carotid sinus nerve acting on blood pressure. Miura M, et al.
J Physiol (Lond) 216:441-60, Jul 71
Short latency reticulocortical potentials: effect of muscarinic anticholinergic drugs. Ilyutchenok RY, et al. Neuropharmacology 9:433-40, Sep 70
Convertible respiratory and fusimotor reactions to peripheral somatic stimuli in different functional

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

states of the reticular formation in the cat. Schomburg ED, et al. Pfluegers Arch 327:261-73, 1971
Effect of iontophoretically applied biogenic amines and of cholinomimetic substances upon the activity of neurons in the superior colliculus and mesencephalic reticular formation of the cat. Straschill M, et al. Pfluegers Arch 324:43-55, 1971
[Inhibition of lateral geniculate body interneurons by activation of the reticular formation] Fukuda Y, et al. Brain Res 18:548-51, 17 Mar 70 (Fre)
[Reticular response to the visual stimulus and late component of the intracortical response of the visual area] Bonnet V, et al. C R Acad Sci [D] (Paris) 272:1152-4, 22 Feb 71 (Fre)
[Apnea produced by punctiform injury of the pons in vagotomized cats] Bertrand F, et al. J Physiol (Paris) 63:12A, Mar-Apr 71 (Fre)
[Antidromic activation of bulbar respiratory neurons] Bianchi AL. J Physiol (Paris) 1:Suppl 1:91, 1969 (Fre)
[Localization and study of respiratory medullary neurons. Antidromic starting by spinal cord or vagal stimulation] Bianchi AL. J Physiol (Paris) 63:5-40, Jan-Feb 71 (Fre)
[Acceleration of the extinction of a conditioning by reticular stimulation in rats] Deweer B. J Physiol (Paris) 62:Suppl 2:270-1, 1970 (Fre)
[Suppression of bulbar inhibition of electrodermal responses by ventral section of the spinal cord] Granger L, et al. J Physiol (Paris) 62:Suppl 2:281, 1970 (Fre)
[Cortical control of respiration: study at the level of the bulbar neurons] Planche D, et al. J Physiol (Paris) 62:Suppl 3:430-1, 1970 (Fre)
[Transmission pathways of acoustic input ot the anterior sigmoid gyrus in normal cats or after bilateral ablation of primary acoustic areas] Sager O, et al. J Physiol (Paris) 62:109-22, Mar-Apr 70 (Fre)
[Preliminary research on variations in the level of cerebral RNA following reticular stimulation in the rat] Schmaltz G, et al. J Physiol (Paris) 1:Suppl 1:174, 1969 (Fre)
[Evocation of vestibular nystagmus with a technic of conditioned reflexes having different chronological thresholds] Arslan M. Rev Laryngol Otol Rhinol (Bord) 91:860-3, Nov 70 (Fre)
[Use of electronic data processing for average evoked responses for the electrophysiological exploration of the formatio reticularis. Effect of blood glucose, insulin, and pain-stress on the level of reticular stimulation] Baumann H, et al. Acta Biol Med Ger 24:109-36, 1970 (Ger)
[Modification of the electric stimulation of the mesencephalic reticular formation on the activity of hippocampal neurons] Grantyn R, et al. Acta Biol Med Ger 24:391-6, 1970 (Ger)
[Blood pressure stimulating effects from locus coeruleus, pontobulbar raphe system and the medullary reticular formation in rabbits] Fallert M, et al. Arch Kreislaufforsch 62:153-66, Aug 70 (Ger)
[The central regulation of respiration] Korczyn A. Harefuah 77:518-20, 1 Dec 69 (39 ref.) (Heb)
[Intracellular study of the intralaminar thalamic neurons during stimulation of the reticular structures of the brain stem] Mancia M, et al. Boll Soc Ital Biol Sper 46:662-3, 15 Aug 70 (Ita)
[Effects of sinusoidal mechanical stimulation of the neuromuscular receptors on activity of single neurons located in the reticular formation of the brain stem] Pompeiano O, et al. Boll Soc Ital Biol Sper 46:769-72, 15 Oct 70 (Ita)
[Effects of stimulation of the ascending activating reticular formation on cortical epileptic activity] Fariello R, et al. Sist Nerv 21:275-9, Nov-Dec 69 (Ita)
[Electrical activities of the bulbar reticular formation and efferent discharge of the renal sympathetic nerve and phrenic nerve during experimentally induced brain death] Mori K, et al. Brain Nerve (Tokyo) 22:1139-49, Oct 70 (Jap)
[Bioelectrical activity of the hippocampus aroused by the stimulation of the midbrain reticular formation in the feedback system of rabbits] Oliskiewicz W, et al. Acta Physiol Pol 22:153-67, Mar-Apr 71 (Pol)
[Effect of vagotomy on the rhythm activity of respiratory centers in artificially ventilated animals] Trippenbach T. Acta Physiol Pol 21:727-40, 1970 (Pol)
[Relations between adrenal cortex hormones and secretion of adrenaline and their effects on vasomotoricity and cerebral and peripheral blood flow in conditions of stimulation of the reticular formation] Tomus L. Fiziol Norm Patol 16:555-64, 1970 (Rum)
[Reproduction by the respiratory center of rhythmical stimulations of the medulla oblongata] Baron VD, et al. Biofizika 16:692-9, Jul-Aug 71 (Rus)
[Structure of the connection between the 2 zones of the medullary respiratory center] Keder-Stepanova IA, et al. Biofizika 15:717-22, Jul-Aug 70 (Rus)
[Modeling of the mechanism of generation of respiratory rhythm] Kogan AB, et al. Biofizika 14:718-21, Jul-Aug 69 (Rus)
[Work of reticulo-spinal neurons during locomotion] Orlovskif GN. Biofizika 15:728-37, Jul-Aug 70 (Rus)
[Functional interrelationships between the cerebral cortex, the hypothalamus and brain stem reticular formation] Al'ber VO. Biull Eksp Biol Med 68:3-6, Aug 69 (Rus)
[Mechanisms of hypothalamo-reticular effect on sulfhydryl group levels in the cerebral hemispheres] Gerasimovich EV. Biull Eksp Biol Med 68:46-50, Jun 69 (Rus)
[The effect of electrostimulation of areas of the medulla and spinal cord on restoration of the function of the respiratory center following clinical death] Gurvich NL, et al. Biull Eksp Biol Med 66:17-9, Nov 68 (Rus)
[Functional features of the "reticular" neurons of the frog medulla oblongata] Karpenko LD, et al. Biull Eksp Biol Med 66:9-11, 1968 (Rus)
[Respiratory center response to reflex action] Marshak ME, et al. Biull Eksp Biol Med 63:38-42, Nov 67 (Rus)
[The effect of electric stimulation of the structures of the medulla oblongata on the cardiovascular, respiratory and motor systems] Smirnov KA. Biull Eksp Biol Med 69:3-5, Jun 70 (Rus)
[Effect of neuroleptic preparations (aminazin, stelazine and haloperidol) on the activity of single neurons] Tolmasskaia ES, et al. Biull Eksp Biol Med 67:46-8, 1969 (Rus)
[The fragmentary morpho-functional organization of the bulbar vasomotor center] Val'dman AV, et al. Biull Eksp Biol Med 69:15-21, Apr 70 (Rus)
[Interaction of corticofugal and peripheral influences on individual neurons of the midbrain reticular formation] Zilov VG. Biull Eksp Biol Med 71:3-6, Jan 71 (Rus)
[Electric shock stimulation of the respiratory center region of the medulla oblongata] Keder-Stepanova IA, et al. Dokl Akad Nauk SSSR 193:734-6, 1970 (Rus)
[Structure of the respiratory neuron system of the medulla oblongata] Keder-Stepanova IA, et al. Dokl Akad Nauk SSSR 193:1433-6, 1970 (Rus)
[Reactions of cat respiratory neurons to an adequate stimulus of the vestibular apparatus] Radkevich LA, et al. Dokl Akad Nauk SSSR 184:1247-9, 11 Feb 69 (Rus)
[Reactions of the mesencephalon reticular neurons during electric stimulation of the posterior ventral thalamic nuclei] Tsaturov VL, et al. Dokl Akad Nauk SSSR 194:238-40, Sep-Oct 70 (Rus)
[Effect of stimulating the bulbar centers on bloodflow rate in different areas of the circulatory system under endotracheal anesthesia] Abaskulieva LI. Eksp Khir Anesteziol 15:60-3, Nov-Dec 70 (Rus)
[The influence of the mesencephalic reticular formation on the structure of the anterior and intermediate brain] Borodkin IuS, et al. Fiziol Zh SSSR 56:973-8, 1970 (Rus)
[The pathways of short latent reticulo-cortical response propagation] Loskutova LV. Fiziol Zh SSSR 56:963-6, 1970 (Rus)
[The relation between various brain stem structures and the vasomotor center] Smirnov KA. Fiziol Zh SSSR 56:359-65, Mar 70 (Rus)
[Processing of respiratory neuron impulse activity using the digital computer "Dnepr"] Vadova AIa, et al. Fiziol Zh SSSR 56:1641-4, Nov 70 (Rus)
[Determination of respiratory coefficient and sensitivity of respiratory center to carbon dioxide by means of SG-IM spirometer] Butenko AT. Klin Khir 1:72-4, Jan 70 (Rus)
[Cortical influences on the auditory analyzer system] Vasil'eva LA, et al. Nerv Sist 9:93-8, 1968 (Rus)
[The colinergic mechanisms of reticular inhibition of cerebral cortex neurons in the cat] Gilinskii MA, et al. Zh Vyssh Nerv Deiat 19:853-60, Jul-Aug 69 (Rus)
[A comparative analysis of participation by the caudal and rostral parts of the brain stem in the genesis of cortical synchronization] Gil'man IM. Zh Vyssh Nerv Deiat 20:585-93, Jul-Aug 70 (Rus)
[Effect of ether on the midbrain reticular formation and cerebral cortex according to results of EEG and evoked potential studies] Golovchinskif VB, et al. Zh Vyssh Nerv Deiat 20:1275-82, Nov-Dec 70 (Rus)
[Mechanisms of the effect of the reticular formation on cortical inhibition] Kondrat'eva IN, et al. Zh Vyssh Nerv Deiat 21:634-7, May-Jun 71 (Rus)
[Perception and subliminal reactions to unrecognized stimuli] Kostandov EA. Zh Vyssh Nerv Deiat 20:441-9, Mar-Apr 70 (Rus)
[Disorders in the regulation of the general functional state of the brain following destruction of non-specific structures] Kostenetskaia NA, et al. Zh Vyssh Nerv Deiat 21:538-44, 1971 (Rus)
[The role of conditioned reflex mechanisms in the course of higher nervous activity disorders in the presence of non-specific lesions of brain structures] Kostenetskaia NA. Zh Vyssh Nerv Deiat 21:14-20, Jan-Feb 71 (Rus)
[The effect of the mesencephalic reticular formation on the conditioned alimentary motor reaction] Macharashvili DV. Zh Vyssh Nerv Deiat 21:601-2, 1971 (Rus)
[The dynamics of various electrocorticogram rhythms during sleep and wakefulness in cats] Oniani TN, et al. Zh Vyssh Nerv Deiat 21:128-34, Jan-Feb 71 (Rus)
[Long lasting shifts of the steady potential in response to photic and electrical stimulation of non-specific brain structures] Shuranova ZhP. Zh Vyssh Nerv Deiat 16:62-6, Jan-Feb 66 (Rus)
[The role of the interrelationships of various elements of the limbic-reticular complex in the self-stimulation reaction] Vorob'eva TM. Zh Vyssh Nerv Deiat 19:680-7, Jul-Aug 69 (Rus)
[The nature of automatism and functional organization of the respiratory center] Doroshchuk VP. Fiziol Zh 15:801-13, Sep-Oct 69 (Ukr)
[Expiratory center in man] Kazakov PM. Fiziol Zh 14:480-6, Jul-Aug 68 (Ukr)
[Synchronizing and desynchronizing systems of the brain] Serkov PM, et al. Fiziol Zh 15:699-707, Sep-Oct 69 (70 ref.) (Ukr)

PHYSIOPATHOLOGY

Cheyne-Stokes respiration. A review of clinical manifestations and critique of physiological mechanisms. Dowell AR, et al. Arch Intern Med 127:712-26, Apr 71 (187 ref.)
Lesions of the pontine tegmentum and conjugate gaze paralysis. Goebel HH, et al. Arch Neurol 24:431-40, May 71
A case of status epilepticus with tonic expression (so called "reticular epilepsy"). Physiopathological study. Mutani R, et al. Epilepsia 11:321-6, Sep 70
Taste sensitivity in chronic throat infections. Coyas A, et al. Eye Ear Nose Throat Mon 49:10-2, Jan 70
Hemorrhagic shock and central nervous functions: spinal and spino-bulbo-spinal reflexes. Mori S, et al. Surgery 68:870-7, Nov 70
[Blood pressure in anoxia following intrabulbar interruption of the aortic chemoreflex arc in rabbits] Fallert M. Arch Kreislaufforsch 64:33-47, Jan-Feb 71 (Ger)
[ThPickwickian syndrome] Geisler LS. Dtsch Med Wochenschr 96:212-6, 29 Jan 71 (Ger)
[Change in the activity of respiratory center neurons during adrenaline-induced apnea] Safonov VA, et al. Biull Eksp Biol Med 70:10-4, Aug 70 (Rus)
[Time periods of restoration of respiratory center function in dogs after sudden heart arrest and reanimation with complete artificial blood circulation] Tolova SV, et al. Biull Eksp Biol Med 70:13-6, Sep 70 (Rus)
[Dynamics of impulse activity of expiratory bulbar neurons during fatal hemorrhage] Siniala MS. Vestn Leningr Univ [Biol] 1:159-61, Feb 70 (Rus)
[Respiratory center changes in rabbits with acute radiation sickness complicated by blood loss] Mailian ES. Zh Eksp Klin Med 7:17-22, 1967 (Rus)
[The mechanism and possible physiologic significance of the reorganization of fields of brain potentials in epilepsy patients at the moment of a petit mal seizure] Dubikaitis VV. Zh Nevropatol Psikhiatr 71:371-8, 1971 (Rus)
[Changes in the EEG and behavioral reactions at different degrees of hypoxia] Agadzhanian NA, et al. Zh Vyssh Nerv Deiat 21:176-83, Jan-Feb 71 (Rus)

RETICULIN (D10)

Autoantibodies to reticulin in patients with idiopathic steatorrhoea, coeliac disease, and Crohn's disease, and their relation to immunoglobulins and dietary antibodies. Alp MH, et al. Lancet 2:682-5, 25 Sep 71
Anti-reticulin antibodies in childhood coeliac disease. Seah PP, et al. Lancet 2:681-2, 25 Sep 71
[Comparative study of reticulin in the central lymphoid organs] Cordier AC. Acta Anat (Basel) 78:543-58, 1971 (Fre)

ANALYSIS

Quantitation of bone marrow reticulin--a normal range. Bauermeister DE. Am J Clin Pathol 56:24-31, Jul 71

METABOLISM

Correlation between demyelination stages and vascular reticulin proliferation in multiple sclerosis. Petrescu A, et al. Rev Roum Neurol 8:61-7, 1971
[Hyperplasia of the adventitional and mural reticulin fibers in diabetic retinopathy] Daicker B. Albrecht von Graefes Arch Klin Ophthalmol 181:192-206, 1971 (Ger)
[The adventitional and intervascular reticulin fibers of the human retina] Daicker B. Albrecht von Graefes Arch Klin Ophthalmol 181:179-91, 1971 (Ger)

RETICULOCYTES (A11)

A factor in the salt wash of reticulocyte ribosomes that can interact with acetylphenylalanyl-tRNA. McKeehan W, et al. Biochem Biophys Res Commun 41:757-64, 9 Nov 70
Binding of transfer factor II to ribosomal RNA and inhibition of the binding by guanosine nucleotides. Traugh JA, et al. Biochem Biophys Res Commun 40:1437-44, 30 Sep 70
Reticulocyte sequestration in spleens of normal,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

anaemic and leukaemic rats. Dornfest BS, et al. Br J Haematol 21:83-94, Jul 71
An unstable factor from rabbit reticulocytes with activity in cell-free protein synthesis. Gee-Clough JP, et al. Eur J Biochem 19:539-45, 30 Apr 71
Fractionation of red blood cells by multiple sedimentation at unit gravity. Walter H, et al. Exp Cell Res 67:218-20, Jul 71
Lethal reticuloproliferative disease induced in Cebus albifrons monkeys by Herpesvirus saimiri. Meléndez LV, et al. Int J Cancer 6:431-5, 15 Nov 70
The shift cell. Perrotta AL.
J Am Osteopath Assoc 70:1121-2, Jun 71
Subunit recycling during translation in a reticulocyte cell-free system. Howard GA, et al.
J Biol Chem 245:6237-9, 25 Nov 70
Isolation and partial characterization of reticulocyte factors M1 and M2. Shafritz DA, et al.
J Biol Chem 245:5553-9, 10 Nov 70
Selective reticulocyte destruction in erythrocyte pyruvate kinase deficiency. Mentzer WC Jr, et al. J Clin Invest 50:688-99, Mar 71
Reticulocyte counting and the haematological response to intravenous iron infusion in pregnancy anaemia. Chan WH, et al.
J Obstet Gynaecol Br Commonw 78:832-5, Jul 71
Volume and electrophoretic mobility distribution patterns in a reticulocyte-enriched fraction from the blood of anaemic sheep. Ellory JC, et al.
J Physiol (Lond) 210:111P+, Sep 70
Synthesis of a mouse immunoglobulin light chain in a rabbit reticulocyte cell-free system. Stavnezer J, et al. Nature [New Biol] 230:172-6, 7 Apr 71
Reticulocyte counts in intra-uterine growth retardation. Lochridge S, et al.
Pediatrics 47:919-23, May 71
[Reticular cells of the appendix of the normal rabbit. Repartition and morphology] Pompidou A.
C R Soc Biol (Paris) 164:1930-3, 1970 (Fre)
[Significance of the reticulocyte count for the assessment of an anemia] Ganzoni AM.
Dtsch Med Wochenschr 95:2291-2, 6 Nov 70 (Ger)
[Light and electron microscopic examinations in liver biopsies. With special consideration of reticulohistiocytic system] Nemetschek-Gansler H.
Med Welt 10:373-8, 6 Mar 71 (Ger)
[Effects of splenectomy on reticulocytosis caused by bloodletting in the rabbit] Liotti FS, et al.
Boll Soc Ital Biol Sper 46:898-902, 15 Nov 70 (Ita)
[Formation of a factor inhibiting erythropoiesis in mountain climbers following their descent from altitude] Velichko AG, et al.
Biull Eksp Biol Med 65:24-7, May 68 (Rus)
[Effect of ionizing radiation on the speed of reticulocyte aging in mammals] Samardakova AG, et al. Dokl Akad Nauk SSSR 184:719-22, 21 Jan 69 (Rus)
[Number of reticulocytes in poisoning and exposure to lead] Beritić T, et al.
Arh Hig Rada Toksikol 20:469-73, 1969 (Cro)
[Ratio of siderocytes, basophilic punctured erythrocytes and reticulocytes in clinical lead poisoning] Beritić T, et al.
Arh Hig Rada Toksikol 20:513-5, 1969 (Cro)

ANALYSIS

Terminal-sequence studies of high-molecular-weight ribonucleic acid. The 3'-termini of rabbit reticulocyte ribosomal RNA. Hunt JA.
Biochem J 120:353-63, Nov 70
The isolation and properties of large amounts of messenger ribonucleic acid for mouse globin. Morrison M, et al. Biochem J 119:50P-60P, Oct 70
An apparent identity of 5-S RNA from free and membrane-bound reticulocyte ribosomes. Christman JK, et al. Biochim Biophys Acta 217:346-55, 15 Oct 70
The distribution of ribosomes and ribosomal subunits in mammalian tissue with special reference to skeletal muscle. Pollack MS, et al.
Bull Soc Chim Biol (Paris) 52:891-903, 1970
Characterization of the messenger ribonucleoprotein released from reticulocyte polyribosomes by EDTA treatment. Lebleu B, et al.
Eur J Biochem 19:264-9, 11 Mar 71
Purification of peptidyl transfer ribonucleic acid from rabbit reticulocyte ribosomes. Slabaugh RC, et al.
J Biol Chem 245:6182-9, 25 Nov 70
Low molecular weight ribonucleic acid in rabbit reticulocyte ribosomes. King HW, et al.
J Mol Biol 51:687-702, Aug 70

CYTOLOGY

Heterogeneity of reticulocyte ribosomes. Burka ER, et al. Biochem Biophys Res Commun 42:801-5, 5 Mar 71
Selective proteolytic dissociation of rabbit reticulocyte single ribosomes not attached to messenger RNA. Velez R, et al.
Biochim Biophys Acta 228:719-27, 11 Feb 71
[Development of polyribosomes during maturation of reticulocytes in vivo] Huez G, et al.
Arch Int Physiol Biochim 78:593-5, Aug 70 (Fre)
[Echinocytic shapes of nucleated reticulocytes and erythrocytes] Bessis M, et al.
C R Acad Sci [D] (Paris) 272:2990-1, 7 Jun 71 (Fre)
[Fixation and positive contrast studies for the preparation of isolated ribosomes and their substructures] David H, et al.
Z Med Labortech 11:286-91, 1970 (Ger)
[Comparative electron microscopic investigation of entodermal reticulum cells in the thymus of newborn and aged wistar-rats] Pfoch M.
Z Zellforsch Mikrosk Anat 114:271-80, 1971 (Ger)

DRUG EFFECTS

Unequal synthesis of globin chains after extended incubation of rabbit reticulocytes with L-O-methylthreonine. Del Monte MA, et al.
J Mol Biol 56:429-34, 14 Mar 71

ENZYMOLOGY

Further studies on the properties of the rabbit reticulocyte adenosine 3',5'-cyclic monophosphate-dependent protein kinase I. Tao M.
Arch Biochem Biophys 143:151-7, Mar 71
Transketolase in sickel cell anemia. Schouten H, et al.
Clin Chim Acta 31:487-8, Feb 71
Occurrence and function of a high-Km hexokinase in immature red blood cells. Gerber GK, et al.
Eur J Biochem 17:445-9, Dec 70
Biochemical characterization of Kupffer and parenchymal cells isolated from rat liver. Lentz PE, et al. Exp Cell Res 67:17-26, Jul 71
Nucleoside deaminase: an enzymatic marker for stress erythropoiesis in the mouse. Rothman IK, et al.
J Clin Invest 49:2051-67, Nov 70
[An extremely phosphate-inhibitable phosphatase from ribosomes of rabbit reticulocytes] Rosenthal S, et al. Acta Biol Med Ger 25:177-80, 1970 (Ger)

IMMUNOLOGY

The clinical and biological significance of HL-antigen on reticulocytes. Zervas JD, et al.
Br J Haematol 21:363, Sep 71

METABOLISM

Initiation of protein synthesis in rabbit reticulocytes. Bhaduri S, et al.
Biochem Biophys Res Commun 40:402-7, 27 Jul 70
Protein synthesis in rabbit reticulocytes: factors controlling terminal and internal methionine codon (AUG) recognition by methionyl tRNA species. Chatterjee NK, et al.
Biochem Biophys Res Commun 43:771-9, 21 May 71
Effect of aurintricarboxylic acid and of NaF on the binding of globin messenger RNA to reticulocyte 40S ribosomal subunits. Lebleu B, et al.
Biochem Biophys Res Commun 40:731-9, 11 Aug 70
Biochemical basis for the selective toxicity of erythromycin. Mao JC, et al.
Biochem Pharmacol 19:391-9, Feb 70
Phosphorylation of ribosomal proteins in rabbit reticulocytes. A cell-free system with ribosomal protein kinase activity. Kabat D.
Biochemistry 10:197-203, 19 Jan 71
Ethacrynic acid and iron uptake in the rabbit reticulocyte. Barnett LB, et al.
Biochim Biophys Acta 219:231-3, 1970
Studies on the mechanism of the inhibition of protein synthesis induced by intracellular ATP depletion. Freudenberg H, et al.
Biochim Biophys Acta 232:537-55, 25 Mar 71
Guanylation of transfer RNA by rabbit reticulocytes. Hankins WD, et al.
Biochim Biophys Acta 213:77-89, 16 Jul 70
Initiation of protein synthesis in a rabbit reticulocyte lysate system. Hoerz W, et al.
Biochim Biophys Acta 228:526-35, 28 Jan 71
Studies on cessation of protein synthesis in a reticulocyte lysate cell-free system. Howard GA, et al.
Biochim Biophys Acta 213:237-40, 16 Jul 70
Inhibition of protein synthesis in reticulocytes by antibiotics. IV. Ribosome behaviour after puromycin release of growing peptide chains. Jacobs-Lorena M, et al. Biochim Biophys Acta 224:174-83, 12 Nov 70
Inhibition of protein synthesis in reticulocytes by antibiotics. V. Mechanism of action of pederine, an inhibitor of initiation and elongation. Jacobs-Lorena M, et al. Biochim Biophys Acta 240:263-72, 30 Jun 71
Occurrence of cysteinyl transfer ribonucleic acid with a blocked alpha-amino group in rabbit reticulocytes. Pawelek J, et al.
Biochim Biophys Acta 232:289-305, 11 Mar 71
Regulation of iron entry into reticulocytes. II. Relationship between hemoglobin synthesis and entry of iron into reticulocytes. Poňka P, et al.
Biochim Biophys Acta 230:381-92, 23 Feb 71
Glutathione. V. The effects of the thiol-oxidizing agent diamide on initiation and translation in rabbit reticulocytes. Zehavi-Willner T, et al.
Biochim Biophys Acta 228:245-51, 1 Jan 71
Decay of transfer and total RNA in maturing reticulocytes. Zehavi-Willner T, et al.
Biochim Biophys Acta 238:439-46, 27 May 71
Studies of the effect of sulphydryl and other inhibitors on reticulocyte uptake of doubly-labelled transferrin. Edwards SA, et al. Br J Haematol 20:405-16, Apr 71
The use of reticulocytes with high non-haem iron pool for studies of regulation of haem synthesis. Poňka P, et al. Br J Haematol 19:593-604, Nov 70
Methionine transfer RNAF: the initiator transfer RNA for hemoglobin biosynthesis. Anderson WF, et al.
Cancer Res 31:701-3, May 71
The inhibitory action of a mammalian viral RNA on the initiation of protein synthesis in a reticulocyte cell-free system. Mathews MB, et al.
Eur J Biochem 17:339-43, Dec 70
Studies on the biosynthesis of cyclitols. XXIX. Biosynthesis of myo-inositol 1,3,4,5,6-pentakis-phosphate in chicken reticulocytes. Breitenbach M, et al.
Hoppe Seylers Z Physiol Chem 352:488-90, Mar 71
Biosynthesis of nonglobin protein by membrane-bound ribosomes in reticulocytes. Bulova SI, et al.
J Biol Chem 245:4907-12, 10 Oct 70
The mechanism by which cycloheximide and related glutarimide antibiotics inhibit peptide synthesis on reticulocyte ribosomes. Obrig TG, et al.
J Biol Chem 246:174-81, 10 Jan 71
Studies on the mechanism of interaction between rabbit transferrin and reticulocytes. Baker E, et al.
J Cell Physiol 77:377-84, Jun 71
Preferential hemolysis of immature erythrocytes in experimental iron deficiency anemia: source of erythropoietic bilirubin formation. Robinson SH, et al. J Clin Invest 50:1847-53, Sep 71
Resistance of reticulocytes to oxidation by nitrite: a cytologic demonstration. Bethlenfalvay NC.
J Lab Clin Med 77:361-5, Mar 71
Roles of methionine transfer RNA's in protein synthesis in rabbit reticulocytes. Gupta NK, et al.
J Mol Biol 54:145-54, 28 Nov 70
Structure of the large -chain polyribosome of rabbit reticulocytes rendered isoleucine-deficient by O-methylthreonine. Freedman ML, et al.
Mol Pharmacol 7:317-22, May 71
Tissue-specific factor required for the translation of a mammalian viral RNA. Mathews MB.
Nature (Lond) 228:661-3, 14 Nov 70
Mammalian peptide chain termination. II. Codon specificity and GTPase activity of release factor. Beaudet AL, et al.
Proc Natl Acad Sci USA 68:619-24, Mar 71
Double-stranded poliovirus RNA inhibits initiation of protein synthesis by reticulocyte lysates. Ehrenfeld E, et al. Proc Natl Acad Sci USA 68:1075-8, May 71
Unexpectedly large size of globin messenger ribonucleic acid. Gaskill P, et al.
Proc Natl Acad Sci USA 68:72-5, Jan 71
Cell-free hemoglobin synthesis in beta-thalassemia. Gilbert JM, et al.
Proc Natl Acad Sci USA 67:1854-61, Dec 70
Specificity of mRNA binding factor in eukaryotes. Heywood SM.
Proc Natl Acad Sci USA 67:1782-8, Dec 70
Puromycin-peptide bond formation with reticulocyte initiation factors M1 and M2. Shafritz DA, et al.
Proc Natl Acad Sci USA 68:496-9, Feb 71
Protein chain initiation in rabbit reticulocytes. Wilson DB, et al. Proc Natl Acad Sci USA 66:1282-9, Aug 70
Specialization of rabbit reticulocyte transfer RNA content for hemoglobin synthesis. Smith DW, et al.
Science 171:577-9, 12 Feb 71
[Properties of 30-60S DNA-like RNA in animal cells] Gazarian KG, et al.
Biokhimiia 35:1238-49, Nov-Dec 70 (Rus)
[Cytochemical features of the ribonucleoproteins and deoxyribonucleoprotein complexes in the nucleoli of cultivated primate reticular cells] Shabadash AL, et al. Biull Eksp Biol Med 69:107-10, Apr 70 (Rus)
[Humoral regulation of red blood cell maturation] Zakharov IuM.
Patol Fiziol Eksp Ter 14:61-4, Nov-Dec 70 (Rus)

PHYSIOLOGY

The effect of reticulocytosis on Plasmodium vinckei infection in white mice. Action of phenylhydrazine and of repeated bleedings. Viens P, et al.
Can J Microbiol 17:257-61, Feb 71
[Behavior of leukocytes, blood platelets and reticulocytes during hemodialysis] Kreiter H, et al.
Med Klin 66:1234-8, Sep 71 (Ger)

RADIATION EFFECTS

Changes in the reticulocyte count in irradiated mice following the transplantation of cadaver isologous bone marrow. Viktora L.
Physiol Bohemoslov 19:435-40, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RETICULOENDOTHELIAL SYSTEM (A10)

see also related
HISTIOCYTES (A11)

A study of some histochemical and phagocytic reactions of the reticuloendothelial system of the rabbit spleen. Snodgrass MJ, et al.
Anat Rec 170:243-53, Jun 71

[Compositin oserum proteins. I. Average values and normal range in healthy subjects] Sandor G, et al.
Ann Biol Clin (Paris) 28:309-18, 1970 (Fre)

[Immunogenic activity of the regional lymphoreticulum during primary cancer of the lung] Lenzini L, et al.
Folia Allergol (Roma) 16:524-34, Nov-Dec 69 (Ita)

[Effect of immunohemotherapy on the function of the liver reticuloendothelial system in burn disease] Nedoshivina RV.
Patol Fiziol Eksp Ter 15:59-61, May-Jun 71 (Rus)

[The role of fibrinolysis and the reticuloendothelial system in the pathogenesis of the Shwartzman phenomenon in rats] Tokarev OIu, et al.
Patol Fiziol Eksp Ter 14:66-8, Nov-Dec 70 (Rus)

ANALYSIS

A spin label study of sarcoplasmic vesicles. Seelig J, et al. Eur J Biochem 21:17-21, 15 Jul 71

CYTOLOGY

Transformation of hepatic reticuloendothelial cells to erythroid cells by pars intermedia. Boyd WH.
Am J Physiol 219:1614-9, Dec 70

Morphological-histochemical comparison of dog and cat splenic ellipsoid sheaths. Jacobsen G.
Anat Rec 169:105-13, Jan 71

Changes in phagocytic activity and morphology of reticuloendothelial organs in mice induced by antilymphocyte serum. Gotjamanos T, et al.
Aust J Exp Biol Med Sci 48:461-80, Oct 70

Effect of thymectomy on the differentiation and phagocytic activity of the liver sinusoidal cells. Corsi A, et al. Experientia 26:1354-5, 15 Dec 70

The reticulo-endothelial components of the haemal node. A light and electron microscopic study. Turner DR. J Anat 108:13-22, Jan 71

The human reticular cell: morphology and cytochemistry. Stuart AE, et al.
J Pathol 103:41-7, Jan 71

The human reticular cell: reactions to vital dyes and particulate substances. Stuart AE, et al.
J Pathol 103:194-8, Mar 71

Experimental study on development and behaviour of the multinucleated giant cells "in vitro". Comoglio PM, et al. J Reticuloendothel Soc 9:397-408, May 71

Histochemistry and electron microscopy of follicle lining reticular cells in the rat spleen. Streefkerk JG, et al. Z Zellforsch Mikrosk Anat 115:524-42, 1971

[Hematology. Lymphatic and reticulohistocytic system] Perlick E, et al.
Munch Med Wochenschr 112:2057-63, 6 Nov 70 (84 ref.) (Ger)

[Hematology. Cytomorphology and function of the lymphatic and reticulo-histiocytic systems] Perlick E, et al.
Munch Med Wochenschr 113:445-51, 19 Mar 71 (97 ref.) (Ger)

[Effect of polyvinylpyridine-N-oxide on phagocytic activity of the reticuloendothelial system] Nothdurft W, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:341-52, 1970 (Ger)

[Effect of olivomycin and bruneomycin and their combined use with prodigiozan on some nonspecific defense reactions of the host organism of transplanted lymphadenosis NK-LI] Shapovalova SP.
Antibiotiki 15:924-8, Oct 70 (Rus)

[Stimulation of liver cell proliferative activity in unoperated mice with lymphoid cells from partially hepatectomized donors] Babaeva AG, et al.
Biull Eksp Biol Med 68:91-4, Jun 69 (Rus)

[Blood coagulation properties of Kupffer's cells] Zubairov DM, et al.
Biull Eksp Biol Med 70:24-6, Dec 70 (Rus)

[Effect of antineoplastic agents on the accumulation of collargol in cells of the reticuloendothelial system] Korol'chuk VP, et al.
Farmakol Toksikol 33:707-11, 1970 (Rus)

[Functional and morphologic characteristics of diploid strains of reticular cells] Kokorin IN, et al.
Vestn Akad Med Nauk SSSR 25:57-64, 1970 (Rus)

[Development of Hofbauer's cells in the human placenta (The reticuloendothelial system of the placenta] Polak M, et al.
Arch Fund Roux Ocefa 3:175-84, 1969 (Spa)

DRUG EFFECTS

The biological activity of polysaccharides isolated from Rhodotorula glutinis and Aureobasidium pullulans. Arkadjeva GF.
Antonie van Leeuwenhoek 35:Suppl:E9-10, Jun 69

The effect of Arvin on reticuloendothelial activity in rabbits. Ashford A, et al.
Br J Pharmacol 40:37-44, Sep 70

Oestrogen as a reticuloendothelial stimulant in patients with cancer. Magarey CJ, et al.
Br Med J 2:367-70, 15 May 71

The influence of gold on the kinetics of plaque-forming cells. Scheiffarth F, et al.
Int Arch Allergy Appl Immunol 40:117-23, 1971

Stimulation of body defence against Staphylococcus aureus by norinyl. Yotis WW, et al.
J Appl Bacteriol 33:458-69, Sep 70

New s-triazine derivatives as depressants for reticuloendothelial hyperfunction induced by bacterial endotoxin. Irikura T, et al.
J Med Chem 13:1081-9, Nov 70

Blocking of reticuloendothelial cells by dextran. Farrow SP, et al. J Pharm Pharmacol 23:295-7, Apr 71

Effects of glyceryl trioleate on the reticuloendothelial system and survival after experimental shock. Altura BM, et al. J Pharmacol Exp Ther 175:555-64, Dec 70

Effects of various doses of prednisolone on the phagocytic activity in axenic and holoxenic mice. Benveniste J, et al.
J Reticuloendothel Soc 8:499-507, Dec 70

The effects of laminarin, sulfated glucan and oligosaccharides of glucan on reticuloendothelial activity. Di Luzio NR, et al.
J Reticuloendothel Soc 8:465-73, Nov 70

Reticuloendothelial system function after single and multiple injections of antilymphocyte serum. Grogan JB. J Reticuloendothel Soc 8:561-70, Dec 70

Effect of pyran copolymer on phagocytosis and tumor growth. Kapila K, et al.
J Reticuloendothel Soc 9:447-50, May 71

Alkylating anticancer agents and phagocytosis. I. Effects of a homologous series of 1,2-substituted 5-bis(beta-chloroethyl)-amino-benzimidazole derivatives on carbon clearance. Zschiesche W, et al.
J Reticuloendothel Soc 8:538-49, Dec 70

Effects of an oral interferon-inducer on the hematopoietic and reticuloendothelial systems. Rohovsky MW, et al.
Toxicol Appl Pharmacol 17:556-8, Sep 70

[Hematological disturbances and reticuloendothelial system damage induced by cholesterol in rabbits] Marquié G, et al.
C R Soc Biol (Paris) 164:1851-7, 1970 (Fre)

[Modification of the phagocytic activity of the hepatic RES by PVNO (polyvinylpyridine-N-oxide)] Leonhardt L.
Nucl Med (Stuttg) 9:98-100, 30 Mar 70 (Ger)

[Morphological aspects of the action of antimitotic drugs on the reticuloendothelial system: the giant histiocytic cells] Castaldi G, et al.
Haematologica 54:297-317, 1969 (Ita)

[Reticuloendothelial system stimulation with Zymosan for treatment of late post-irradiation ulcers] Dobrek Z, et al. Pol Tyg Lek 26:84-5, 18 Jan 71 (Pol)

[Do cytostatics change the histopathology of leukemias?] Rohmann I, et al.
Rev Med Chil 99:566-71, Aug 71 (Spa)

ENZYMOLOGY

A histochemical survey of the glucose-6-phosphate hydrolysing enzyme activity in the RES: a light microscopic study. Rosen SI.
Acta Histochem (Jena) 38:199-217, 1970

[Enzyme activities in reticulo-cytogenous lipophagic granulomatosis: evidence of glycerokinase activity] Doerr HW, et al.
Klin Wochenschr 49:108-10, 15 Jan 71 (Ger)

IMMUNOLOGY

Antilymphocyte serum blockade of the reticuloendothelial system. Sheagren MD, et al.
Am Heart J 81:144-5, Jan 71

Effect of virus infections on the function of the immune system. Notkins AL, et al.
Annu Rev Microbiol 24:525-38, 1970 (106 ref.)

Survival of Mima polymorpha in the liver and spleen of neonatally thymectomized, nonwasted mice. McCloskey RV.
Antimicrob Agents Chemother 9:499-501, 1969

A comparison of the changes produced in reticuloendothelial organs of mice during host-versus-graft and graft-versus-host reactions. Gotjamanos T.
Aust J Exp Biol Med Sci 48:567-81, Dec 70

Cellular responses to autologous breast cancer tissue. Correlation with stage and lymphoreticuloendothelial reactive. Black MM, et al. Cancer 28:263-73, Aug 71

Immunosuppression in murine malaria. II. The effect on reticulo-endothelial and germinal centre function. Greenwood BM, et al.
Clin Exp Immunol 9:345-54, Sep 71

Experimental models for evaluation of host defenses in cancer. Stern K, et al. Isr J Med Sci 7:42-51, Jan 71

Studies on antigen-antibody complexes. II. Quantification of tissue uptake of soluble complexes in normal and complement-depleted rabbits. Arend WP, et al. J Immunol 107:63-75, Jul 71

Study of autoimmune disease in New Zealand mice. IV. Immunologic reactivity and reticuloendothelial function. Braverman IM, et al.
J Invest Dermatol 55:317-24, Nov 70

Experimental stimulation of alveolar macrophage production by Corynebacterium anaerobium and its quantitative evaluation. Collet AJ.
J Reticuloendothel Soc 9:424-46, May 71

Comparative behavior of soluble and particulate antigens and inert colloids in reticuloendothelial-stimulated or depressed mice. Di Luzio NR, et al.
J Reticuloendothel Soc 9:273-87, Mar 71

Cellular mediators of immunological tissue injury. Henson PM, et al.
J Reticuloendothel Soc 8:124-38, Aug 70

Heparin enhancement of Kupffer cell phagocytosis in vitro. Kitchen AG, et al.
J Reticuloendothel Soc 9:13-22, Jan 71

Influence of Plasmodium berghei infections on phagocytic and humoral recognition factor activity. Kitchen AG, et al.
J Reticuloendothel Soc 9:237-47, Mar 71

Activity of the reticuloendothelial system (RES) in early experimental thyroiditis. Mizejewski GJ, et al.
J Reticuloendothel Soc 8:225-39, Sep 70

Primary antibody responses to purified protein antigen as a function of RES blockade. Rizzo AP, et al.
J Reticuloendothel Soc 8:278-87, Sep 70

Sites of interferon production in rabbits induced by bacterial endotoxin. Kojima Y.
Kitasato Arch Exp Med 43:35-44, Jun 70

Actinomycin D before and during primary and secondary anti-Forssman immunoglobulin hemolysin responses in rabbits. Taliaferro WH, et al.
Proc Natl Acad Sci USA 66:1036-43, Aug 70

The response of the reticuloendothelial system to thermal injury. Rittenbury MS.
Surg Clin North Am 50:1227-34, Dec 70 (28 ref.)

[Hematology. Lymphatic and reticuloendothelial system] Perlick E, et al.
Munch Med Wochenschr 113:96-108, 15 Jan 71 (206 ref.) (Ger)

[Study of lymphoreticular reactions on human tonsil-cell suspension] Seipel H.
Wien Klin Wochenschr 81:185-7, 14 Mar 69 (Ger)

[Acid phosphatase activity and phagocytic capabilities of reticuloendothelial system cells of mice with experimental tumors] Durnova GN.
Biull Eksp Biol Med 65:85-7, Apr 68 (Rus)

[Role of the reticuloendothelial system in the development of some experimental virus infections] Maksimovich NA, et al.
Dokl Akad Nauk SSSR 196:451-4, 11 Jan 71 (Rus)

[Role of lysosomes of reticuloendothelial cells in immunogenesis] Uchilel' IIa.
Vestn Akad Med Nauk SSSR 25:65-75, 1970 (Rus)

[Immunomorphologic reactions following aerosol and subcutaneous immunization of animals with live dry anthrax vaccines] Suchkova TI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:85-90, Dec 70 (Rus)

[Morphologic changes in guinea pigs following enteral immunization with plague vaccine EV] Ternovoi VI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:18-21, Feb 70 (Rus)

METABOLISM

Elimination of 125-I-trypsin alpha-macroglobulin complexes from blood by reticuloendothelial cells in dogs. Ohisson K. Acta Physiol Scand 81:269-72, Feb 71

Some factors affecting the release of iron from reticuloendothelial cells. Lipschitz DA, et al.
Br J Haematol 21:289-303, Sep 71

An experimental study on the relation between the scintigram of the irradiated liver using 198-Au-colloid and changes in uptake of reticuloendothelial cells. Nomura S. Hiroshima J Med Sci 19:51-61, Sep 70

Kinetics of the phagocytosis of radiogold colloids by the reticuloendothelial system in the rat. Caro RA, et al. Int J Appl Radiat Isot 21:405-14, Jul 70

The association of blood platelets and colloidal carbon removal. Dobson EL, et al.
J Reticuloendothel Soc 9:376-82, Apr 71

Studies on haptoglobin synthesis in reticuloendothelial tissues. Wada T, et al.
J Reticuloendothel Soc 8:195-207, Sep 70

[The site of production of erythropoietin] Baciu I, et al.
J Physiol (Paris) 62:231-43, May-Jun 70 (Fre)

[Kinetics of distribution and excretion of radium isotopes following thorotrast injection] Kaul A, et al.
Biophysik 7:74-84, 1970 (Ger)

[Clearance mechanism of the RES following application of high doses of Au-198 with regard to the kinetics of distribution and adaptability] Nuic M, et al.
Strahlentherapie 139:221-7, Feb 70 (Ger)

MICROBIOLOGY

Immunofluorescence studies of candida in human

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

reticuloendothelial phagocytes: implications for immunogenesis and pathogenesis of systemic candidiasis. Taschdjian CL, et al.
Am J Clin Pathol 56:50-8, Jul 71

PATHOLOGY

The anemia of chronic disorders due to renal cell carcinoma: ferrokinetic and morphologic documentation of its surgical correction. Greenberg PL, et al. Am J Med Sci 261:265-9, May 71
Acute African swine fever. Proliferative phase in lymphoreticular tissue and the reticuloendothelial system. Konno S, et al. Cornell Vet 61:71-84, Jan 71
Lymphoreticular tissue lesions in Steinbrinck-Chediak-Higashi syndrome. Krüger GR, et al. Virchows Arch [Pathol Anat] 353:273-88, 1971
[Experimental models for studying chronic hepatopathies. Changes in the hepatic reticuloendothelial system during evolution of cirrhosis] Laky D, et al.
Virchows Arch [Pathol Anat] 353:45-59, 1971 (Fre)
[Influence of BCG vaccination and growth of methylcholanthrene-induced tumor on the structure of reticulo-histiocytic system of the liver and spleen in rats and mice] Wolf M, et al.
Arch Geschwulstforsch 37:152-60, 1971 (Ger)
[Electron microscopic observations on the activation of Kupffer cells by damaged liver parenchyma] Pfeifer U. Verh Dtsch Ges Pathol 54:513-8, 1970 (Ger)
[On the endocytosis in kupffer-cells after damage of liver parenchyma induced by three-fourths-resection of rat liver] Pfeifer U.
Virchows Arch [Zellpathol] 6:263-80, 1970 (Ger)

PHYSIOLOGY

Disappearance of I.V. injected 51Cr-RBC from circulation as a possible measure of RES function in mice. Schildt BE. Acta Chir Scand 136:351-7, 1970
Physiology and physiopathology of the reticuloendothelial system. Saba TM.
Arch Intern Med 126:1031-52, Dec 70 (187 ref.)
Amyloidosis. A study of its pathogenesis and the role of humoral immunity. Abruzzo JL.
Arthritis Rheum 14:451-6, Jul-Aug 71
Radioprotective effect of reticuloendothelial system blockade in mice. Mori KJ, et al.
Experientia 26:1386-7, 15 Dec 70
Factors affecting distribution of technetium-sulfur colloid. Atkins HL, et al.
J Reticuloendothel Soc 8:176-84, Aug 70
Studies on the relationships between the function of biotin and activity of the RES in the rat. Petrelli F, et al. J Reticuloendothel Soc 9:86-95, Jan 71
Augmented red cell sequestration after prolonged electrical stimulation of the posterior hypothalamus in rats. Segal R, et al.
J Reticuloendothel Soc 9:225-36, Mar 71
[Physiology of reticuloendothelial system (RES)] Jansa P. Vnitr Lek 17:163-9, Feb 71 (Cze)
[Influence of body weight on maximum speed of phagocytosis by hepato-splenic reticuloendothelial cells in normal rats] Jacques PJ.
Arch Int Physiol Biochim 78:168-9, Feb 70 (Fre)
[Functional role of the reticulo-endothelial system] Günther O.
Dtsch Med Wochenschr 96:129-30, 15 Jan 71 (Ger)
[Participation of lymphocytes in pathological processes] Urbaneck D.
Monatsh Vet Med 25:796-802, 15 Oct 70 (Ger)
[Effects of cyclophosphamide, endotoxin, and polyvinylpyridine-N-oxide on the function of the reticulo-endothelial-system] Friedberg KD, et al. Naunyn Schmiedebergs Arch Pharmakol 269:57-66, 1971 (Ger)
[The reticuloendothelial system in the pathogenesis and course of experimental shock] Novelli GP, et al. Policlinico [Chir] 76:92-109, Mar-Apr 69 (Ita)
[Studies on Kupffer's stellate cells, especially on reticuloendothelial system function test using 131-I labelled aggregated albuin.] Yamagata S, et al.
J Jap Soc Intern Med 59:1076-83, Oct 70 (Jap)

PHYSIOPATHOLOGY

Function of the RES after thermal and mechanical trauma in mice. Schildt BE.
Acta Chir Scand 136:359-64, 1970
Relationship between trauma, plasma corticosterone and reticuloendothelial function in anaesthetized mice. Schildt BE, et al.
Acta Endocrinol (Kbh) 67:141-50, May 71
Physiology and physiopathology of the reticuloendothelial system. Saba TM.
Arch Intern Med 126:1031-52, Dec 70 (187 ref.)
Reticulo-endothelial activity in humans with cancer. Magarey CJ, et al. Br J Surg 57:748-52, Oct 70
Reticuloendothelial phagocytic function in human liver diseases. Cooksley WG, et al. Gut 11:979, Nov 70
Selective reticulocyte destruction in erythrocyte pyruvate kinase deficiency. Mentzer WC Jr, et al.
J Clin Invest 50:688-99, Mar 71
Influence of reticuloendothelial functional alterations on mortality patterns in endotoxin and tourniquet shock. Trejo RA, et al.
J Reticuloendothel Soc 9:299-306, Apr 71
[Activity of the reticuloendothelial system during acute tannic acid poisoning in the rat] Gaillard D, et al. C R Acad Sci [D] (Paris) 272:1314-7, 1 Mar 71 (Fre)
[The role of the reticuloendothelial system in neoplasia] Stern K.
Harefuah 78:475-6, 15 May 70 (Heb)
[Influence of the spleen and of the reticulo-histiocyte system on the experimental hemorrhagic shock evolution] Novelli GP, et al.
Acta Anaesthesiol (Padova) 20:221-41, Mar-Apr 69 (Ita)
[Effects of prolonged cephalic ischemic hypoxia (CIH) on the phagocytic activity of the reticuloendothelial system (RES) in the rabbit] Tomus L, et al.
Fiziol Norm Patol 16:461-70, Sep-Oct 70 (Rum)
[Liver blood flow and RES-function after different injuries] Schildt B. Nord Med 86:914, 29 Jul 71 (Swe)

RADIATION EFFECTS

A comparison of the effects of single and fractionated irradiation on the phagocytic function of the RES in normal and starved rats. Antonijevic M.
Strahlentherapie 139:228-35, Feb 70
[Correlation of erythropoiesis and reticuloendothelial function following irradiation] Ito Y, et al.
Nippon Acta Radiol 31:44-9, Apr 71 (Jap)
[The effect of ultra-high frequency radiation of different intensity on the courseof Salmonella infections in white mice] Sviridov LP.
Zh Mikrobiol Epidemiol Immunobiol 47:10-4, Mar 70 (Rus)

RETICULOENDOTHELIOSIS (C2, C9)

Histiocytosis X. Lucaya J.
Am J Dis Child 121:289-95, Apr 71
The Sézary syndrome: cytogenetic studies and identification of the Sézary Cell as an abnormal lymphocyte. Crossen PE, et al.
Am J Med 50:24-34, Jan 71
Histiocytosis X. Cheyne C.
J Bone Joint Surg [Br] 53:366-82, Aug 71
Pulmonary manifestations of histiocytosis X. Lewis JG.
Proc R Soc Med 64:338-40, Apr 71
Histiocytosis X--acute disseminated variant. Gibbs WN, et al. West Indian Med J 19:212-8, Dec 70
[Reticulohistiocytoma (giant histiocytic cell reticulomatosis of the skin and synovials)] Basset A, et al.
Arch Belg Dermatol Syphiligr 26:145-51, 1970 (Fre)
[Sezary's syndrome] Bourlond A, et al.
Arch Belg Dermatol Syphiligr 26:521-7, Oct-Dec 70 (Fre)
[Malignant ulcero-necrotic cutaneous reticulosis] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:326-7, 1969 (Fre)
[Malignant reticulopathy (2nd presentation)] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:408-9, 1969 (Fre)
[Histiocytosis X] Laugier P, et al.
Bull Soc Fr Dermatol Syphiligr 76:325-6, 1969 (Fre)
[Cutaneous and pulmonary histiocytosis X in adults] Lèques B, et al.
Bull Soc Fr Dermatol Syphiligr 78:57-9, 1971 (Fre)
[Further localizations of a lymphoreticulosis in the conjuctival cul-de-sacs (3rd report)] Témime P, et al.
Bull Soc Fr Dermatol Syphiligr 76:190-1, 1969 (Fre)
[X histiocytosis in an aged adult] Perrot H, et al.
Lyon Med 225:646-7, 11 Apr 71 (Fre)
[Histiocytosis X in adults] Chabot J.
Poumon Coeur 25:695-724, 1969 (Fre)
[Clinical and developmental aspects of histiocytosis X in children] Mallet R, et al.
Poumon Coeur 25:671-94, 1969 (Fre)
[Histiocytosis X. Introduction] Turiaf J.
Poumon Coeur 25:647-50, 1969 (Fre)
[Pulmonary histiocytosis X] Turiaf J.
Poumon Coeur 25:725-53, 1969 (Fre)
[Cutaneous manifestations of histiocytosis X] Winkelmann RK.
Poumon Coeur 25:787-803, 1969 (Fre)
[Recent data on reticulosis in children and infants] Rossier A, et al.
Rev Stomatol Chir Maxillofac 71:511-6, Sep 70 (Fre)
[Clinical symptoms of reticuloses] Konrad H, et al.
Folia Haematol (Leipz) 94:333-45, 1970 (Ger)
[Life with malignant systemic diseases. (Reticulosis and malignant granulomatosis)] Tritsch H.
Z Allgemeinmed 46:1749-53, 20 Dec 70 (Ger)
[Letterer-Siwe disease in the framework of reticuloendotheliosis. Histopathogenetic aspects] Caldara G.
Arch Sci Med (Torino) 128:558-65, Aug 69 (Ita)
[The Sézary syndrome. Morphological and functional studies of the Sézary cells] Rabbiosi G, et al.
G Ital Dermatol 46:7-12, Jan 71 (Ita)
[A case of malignant reticulohistiocytoma of the ovary] Lecca U, et al.
Minerva Ginecol 21:1250-2, 30 Sep 69 (Ita)
[Malignant lyphoreticulosis with ovarian localization] Seassaro E.
Quad Clin Ostet Ginecol 24:441-8, Jun 69 (Ita)
[Histiocytosis X. Considerations apropos of 2 cases] Badrinas F, et al.
Rev Clin Esp 120:209-18, 15 Feb 71 (Spa)
[Histiocytosis X in adults] Sánchez-Vega J, et al.
Rev Clin Esp 120:219-24, 15 Feb 71 (Spa)

CHEMICALLY INDUCED

[Malignant reticulosis after phenylbutazone therapy. Causal relationship or a random coincidence?] Lorenz K, et al.
Munch Med Wochenschr 110:2283-7, 4 Oct 68 (Ger)

CLASSIFICATION

[The disease entity histiocytosis X] Drömer H, et al.
Zentralbl Chir 95:745-54, 20 Jun 70 (Ger)
[Histiocytosis X] Campanacci M.
Chir Organi Mov 57:435-48, Jun 69 (Ita)
[Some considerations concerning the classification of tumorous and pretumorous diseases of the hematopoietic tissue (hemoblastoses) of N.A. Kraevskiĭ and N.M. Nemenovaia] Gorbunova ZV, et al.
Probl Gematol Pereliv Krovi 15:47-9, Jun 70 (Rus)

COMPLICATIONS

Dermal angiolymphoid hyperplasia with eosinophilia versus pseudopyogenic granuloma. Kandil E.
Br J Dermatol 83:405-8, Sep 70
The incidence of the non-metastatic neurological syndromes of obscure origin in the reticuloses. Currie S, et al. Brain 93:629-40, 1970
Neurological syndromes in the reticuloses. Currie S, et al. Brain 94:307-20, 1971
Histiocytic medullary reticulosis associated with cytomegalic inclusion disease. A case report.
Kalderon AE. Cancer 27:659-66, Mar 71
Asymptomatic goiter as an expression of a rare disease. Whitaker C, et al. Clin Pediatr (Phila) 10:290-2, May 71
"Essential" hypernatremia due to ineffective osmotic and intact volume regulation of vasopressin secretion. DeRubertis FR, et al. J Clin Invest 50:97-111, Jan 71
[Simultaneous incidence of pernicious anemia, hypogammaglobulinemia and benign hyperplasia of the reticuloendothelial system with hypersplenism] Vymětal A, et al. Vnitr Lek 17:287-91, Mar 71 (Cze)
[Follicular mucinosis in a case of reticulosis difficult to classify] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 76:695-9, 1969 (Fre)
[Auricular and buccal localizations of generalized histiocytosis] Calvet J, et al.
J Fr Otorhinolaryngol 18:751-4, Dec 69 (Fre)
[Histiocytosis-X of the inferior maxilla and pulmonary miliary lesions] Miech G, et al.
J Radiol Electrol Med Nucl 50:957-8, Dec 69 (Fre)
[Multiple localizations of eosinophile granulomas] Pons J, et al.
Rev Fr Odontostomatol 18:631-6, May 71 (Fre)
[Xanthoma and malignant reticulosis] Winkelmann RK, et al. Hautarzt 20:550-5, Dec 69 (Ger)
[Sarcoma in the digestive tract in lymphoreticular systemic diseases] Hartwich G, et al.
Med Klin 65:2120-6, 27 Nov 70 (Ger)
[Abt-Letterer-Siwe-syndrome, vesiculated pneumoreticulosis (type J. Marie) and thymus calcinosis together with cytomegalic inclusions] Tîrnoveanu G, et al.
Monatsschr Kinderheilkd 119:144-7, Apr 71 (Ger)
[Mycosis of the central nervous system in blastomatous reticulosis] Gemeinhardt H, et al.
Mykosen 10:391-402, 1 Sep 67 (Ger)
[Case of arthritis mutilans caused by multicentric reticulohistiocytosis. (Lipoid dermatoarthritis)] Fantini F, et al.
Reumatismo 21:381-90, Nov-Dec 69 (Ita)
[Histiocytosis X associated with diabetes insipidus] Otsuka K, et al.
J Jap Soc Intern Med 60:125-31, Feb 71 (Jap)
[Autopsy case of systemic miliary tuberculosis, pancreatic cyst, and malignant reticulosis in a 70-year-old-man 1 year and a half after the surgery of laryngeal cancer] Yamagiwa H, et al.
Naika 27:377-81, Feb 71 (Jap)
[Autoimmune hemolytic anemia as an expression of a malignant reticulosis in the newborn] Feldioreanu T, et al. Pediatria (Bucur) 20:253-8, May-Jun 71 (Rum)

DIAGNOSIS

Histiocytosis X: a case diagnosed from the oral findings. Schofield ID, et al.
J Can Dent Assoc 37:343-6, Sep 71
Histiocytosis X. Booth JB, et al.
J Laryngol Otol 84:1123-32, Nov 70
Prognostic signs of histiocytosis X. Cheyne C.
Proc R Soc Med 64:334-6, Apr 71
Reticuloendotheliosis of the lung. Case report.
Alanif-Camino F, et al. Radiology 97:527-8, Dec 70
[Bullous malignant cutaneous reticulosis] Bourgeois-Spinasse J, et al.
Bull Soc Fr Dermatol Syphiligr 77:776-82, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Follicular mucinosis associated with a reticulosis evoking clinically scleromyxedema] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 78:17-8, 1971 (Fre)
[Reticuloendotheliosis, leukemia and mycoses with orbito-ocular manifestations in children. Apropos of 2 cases with recovery] Stucchi CA, et al.
Rev Otoneuroophtalmol 42:384-93, Nov 70 (Fre)
[Reactive hyperplastic reticuloses] Laugier P, et al.
Schweiz Med Wochenschr 101:1045-51, 24 Jul 71 (Fre)
[Nosology and clinical course of cutaneous reticuloses] Gertler W.
Dermatol Monatsschr 155:621-38, 1969 (Ger)
[Acute infectious lymphocytosis or acute infectious benign reticulosis?] Panoff A.
Kinderaerztl Prax 37:17-20, Jan 69 (Ger)
[Histiocytosis X] Trebbin H.
Med Welt 22:920-2, 29 May 71 (Ger)
[Case of histocytosis X of the both temporal] Kanzaki H, et al.
Otolaryngology (Tokyo) 43:125-31, Feb 71 (Jap)
[A case of hystiocytosis X with clinical manifestations of constrictive pericarditis] Foremny Z, et al.
Pol Tyg Lek 25:1549-50, 12 Oct 70 (Pol)
[Role of scanning the liver and spleen with gold colloid solutions in the differential diagnosis aleukemic reticulosis] Fafnshtefn FE, et al.
Probl Gematol Pereliv Krovi 15:9-14, Sep 70 (Rus)
[A case of histiocytosis-X in a 23-month-old child] Cuk V. Med Pregl 23:131-3, 1970 (Ser)

DRUG THERAPY

[Failure of vincaleucoblastine in the treatment of a case of malignant histio-monocytic reticulosis] Marili FG, et al.
Bull Soc Fr Dermatol Syphiligr 76:200-2, 1969 (Fre)
[Corticotherapy in infantile hematology] Paolucci G, et al. Minerva Pediatr 21:1989-2005, 27 Oct 69 (Ita)
[Histiocytosis X in a 15-month-old body treated successfully with vinblastine and prednisolone] Scalercio A, et al.
Minerva Pediatr 21:2474-84, 29 Dec 69 (Ita)
[Bruneomycin therapy of patients with Hodgkin's disease and neoplastic reticulosis] Neishtadt VN.
Vopr Onkol 17:85-9, 1971 (Rus)

ENZYMOLOGY

Hairy cells and isoenzymes. Mitus WJ.
N Engl J Med 284:389-90, 18 Feb 71
Tartrate-resistant acid phosphatase isoenzyme in the reticulum cells of leukemic reticuloendotheliosis. Yam LT, et al. N Engl J Med 284:357-60, 18 Feb 71

ETIOLOGY

[Arndt-Gottron scleromyxedema with medullary plasmacytosis and myositis] Braun-Falco O, et al.
Arch Belg Dermatol Syphiligr 26:193-217, 1970 (Fre)
[Experimental bases of psychosomatic medicine. X. Hematology] Hubin P.
Rev Med Liege 23:706-11, 15 Nov 68 (Fre)
[Malignant reticulosis after renal transplantation] Wegmann W, et al.
Schweiz Med Wochenschr 101:80-4, 23 Jan 71 (Ger)
[Life with malignant systemic diseases. (Reticulosis and malignant granulomatosis)] Tritsch H.
Z Allgemeinmed 46:1749-53, 20 Dec 70 (Ger)
[Case of unusual leukemic reticulosis possibly derived from multicentric reticulohistiocytosis] Takubo H, et al. Saishin Igaku 25:2623-37, Dec 70 (Jap)
[2 cases of mast cell reticulosis in adults] Rohmann I, et al. Rev Med Chil 97:678-81, Oct 69 (Spa)

FAMILIAL & GENETIC

[Familial lympho-histiocytosis: apropos of a 3rd case in the same family] Sirol J, et al.
Mars Med 106:1045-53, 1969 (Fre)
[The karyotype in 2 cases of reticuloendotheliosis] Cacciola E, et al. Haematologica 55:564-8, 1970 (Ita)

IMMUNOLOGY

Competition between two delayed hypersensitivity antigens for the same draining lymph-node: the histiocytic response compared with sinus histiocytosis. Olson IA, et al.
J Pathol 103:107-12, Feb 71
[Quantitative immunoglobulin determination in paraproteinemias, lymphogranulomatosis and lympho-reticulosarcomatosis] Patakfalvi A, et al.
Orv Hetil 112:75-8, 10 Jan 71 (Hun)

METABOLISM

Patterns of anti-diuretic function in diabetes insipidus caused by histiocytosis X. Helbock H, et al.
J Lab Clin Med 78:194-202, Aug 71

OCCURRENCE

[Hemoblastic systemic diseases of childhood. Further considerations on the case histories of the Clinica Pediatrica of Bologna from 1962 to 1970] Masi M, et al.
Clin Pediatr (Bologna) 52:505-22, Dec 70 (Ita)

PATHOLOGY

Chromosomal findings in a case of leukemic reticuloendotheliosis. Forni A, et al.
Acta Cytol (Baltimore) 15:173-8, Mar-Apr 71
Ultrastructure of abnormal cells in Sezary syndrome, mycosis fungoides, and parapsoriasis en plaque. Lutzner MA, et al. Arch Dermatol 103:375-86, Apr 71
Histiocytosis X affecting the uveal tract. Rupp RH, et al. Arch Ophthalmol 84:468-70, Oct 70
Malignant histiocytosis: a case of generalized histiocytosis with infiltration of Langerhans' granule-containing histiocytes. Imamura M, et al.
Cancer 28:467-75, Aug 71
Primary pulmonary histiocytosis X: electron microscopic study in eight cases. Gracey DR, et al.
Chest 59:5-9, Jan 71
Histiocytosis X. Report of a case. Rao PR, et al.
Indian J Pediatr 37:108-11, Mar 70
Histiocytosis X: histology (review of Bristol Bone Tumour Registry cases). Price CH.
Proc R Soc Med 64:336-8, Apr 71
Multicentric reticulohistiocytosis (lipoid dermato-arthritis): a clinical conundrum. Buchel E. S Afr Med J 44:1434-7, 26 Dec 70
The cytology, distribution and function of the neoplastic cells in leukaemic reticuloendotheliosis. Berg B, et al. Scand J Haematol 7:428-34, 1970
[Reticulosis. Evolution during 15 years] Gracianasky P de, et al.
Bull Soc Fr Dermatol Syphiligr 76:279-80, 1969 (Fre)
[Abt-Letterer-Siwe disease] Hunziker N, et al.
Bull Soc Fr Dermatol Syphiligr 77:342-4, 1970 (Fre)
[Histologically malignant spontaneous resolved nodular and necrotic hyperplastic reticulosis] Laugier P, et al.
Bull Soc Fr Dermatol Syphiligr 76:323-4, 1969 (Fre)
[Histiocytosis X. New histochemical data] Barbolini G, et al. Poumon Coeur 26:815-28, 1970 (Fre)
[Pathological anatomy of histiocytosis X. Ultrastructure and etiological approach] Basset F, et al. Poumon Coeur 25:651-69, 1969 (Fre)
[Comparison between the cells of pulmonary histiocytosis X and the epithelioid cells of pulmonary sarcoidosis] Basset F, et al.
Poumon Coeur 25:235-46, 1969 (Fre)
[Cytoplasmic histiocytic organelles and histiocytosis. X. Apropos of a case of unilateral pulmonary ganuloma] Miguères J, et al.
Poumon Coeur 25:247-60, 1969 (Fre)
[Ultrastructure of multicentric reticulohistiocytosis] Ebner H, et al.
Arch Dermatol Forsch 240:259-70, 1971 (Ger)
[Granulomatous encephalitis with unusual localisation. Simultaneously a contribution to the question of reticulosis of the CNS] Boellaard JW.
Arch Psychiatr Nervenkr 214:17-32, 1971 (Ger)
[Sezary's syndrome] Ebner H, et al.
Dermatologica 141:258-69, 1970 (Ger)
[Histocytosis of the central nervous system and the lungs] Lindlar F.
Dtsch Med Wochenschr 95:2075-8, 9 Oct 70 (Ger)
[Granuloma gangreenescens, Wegener's granulomatosis, malignant reticulosis] Trebbin H.
Monatsschr Ohrenheilkd Laryngorhinol 105:85-91, Feb 71 (Ger)
[The effect of reticulosis on the regeneration capability of rat liver] Papacharalampous NX, et al.
Zentralbl Allg Pathol 114:30-5, 1971 (Ger)
[Malabsorption syndromes and neoplasms of the reticuloendothelial system. 2 cases] Labò G, et al.
Haematologica 55:659-62, 1970 (Ita)
[Autopsy case of malignant myelogenous reticulosis] Yoshiki T, et al.
Jap J Cancer Clin 17:480-4, Jun 71 (Jap)
[2 cases of foam cell syndrome] Odagiri R, et al.
Naika 26:965-71, Nov 70 (Jap)

PHYSIOPATHOLOGY

[Respiratory function in histiocytosis X with pulmonary localization] Georges R, et al.
Poumon Coeur 25:755-86, 1969 (Fre)

RADIOGRAPHY

Radiology case of the month. Smith P.
J Arkansas Med Soc 67:410 passim, Apr 71
Histiocytosis X: radiological bone changes. Whitehouse GH. Proc R Soc Med 64:333-4, Apr 71
[Osseous manifestations of histiocytosis X (radiological signs)] Fauré C, et al.
Poumon Coeur 25:805-35, 1969 (Fre)
[Lung changes in histiocytosis X in infancy and childhood] Kozlowski K, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:597-604, May 71 (Ger)
[Lymphography in malignant lymphomas (report of 200 cases)] Blaudow K.
Radiobiol Radiother (Berl) 11:559-79, 1970 (Ger)
[Significance of repeated lymphography in hemoblastoses] Röder K.
Z Gesamte Inn Med 26:62-6, 15 Jan 71 (Ger)

THERAPY

[Trial therapy of reticulosis X] Rossier A.
Poumon Coeur 25:837-46, 1969 (Fre)
[Clinical aspects and therapy of leukemia and reticulosis of the mouth and face] Kimmig J, et al.
Fortschr Kiefer Gesichtschir 14:249-59, 1970 (Ger)

VETERINARY

The neoplastic cell type in lymphoreticular neoplasms of the northern pike, Esox lucius L. Mulcahy MF, et al.
Cancer Res 30:2712-7, Nov 70

RETICULUM (A13)

[Unusual, abundant, foreign-body yield from the reticulum of a cow] Rosenberger G.
Dtsch Tieraerztl Wochenschr 77:155, 1 Apr 70 (Ger)

INNERVATION

Differentiation between motoneurone and interneurone activity recorded from the medullary gastric centres of sheep. Harding R, et al.
J Physiol (Lond) 209:Suppl:42P-4, Jul 70
The location of gastric motor units in the medulla of sheep. Harding R, et al.
J Physiol (Lond) 214:39P-40P, Apr 71

MICROBIOLOGY

Candida albicans infection of the forestomachs of a calf. Cross RF, et al.
J Am Vet Med Assoc 157:1325-30, 15 Nov 70

RETICULUM CELL-LIKE SARCOMA, YOSHIDA see

SARCOMA, YOSHIDA (C2)

RETICULUM CELL SARCOMA see SARCOMA,

RETICULUM CELL (C2)

RETINA (A9)

see also related
ANGIOID STREAKS (C11)
ELECTRORETINOGRAPHY (E1)

Retinoblastoma in Finland 1912-1964. Tarkkanen A, et al. Acta Ophthalmol (Kbh) 49:293-300, 1971
Calculation of the thermal effect generated in the retina by photocoagulation. Roulier A.
Albrecht von Graefes Arch Klin Ophthalmol 181:281-9, 1971
Differentiation features in some retinal tumors and in dysplastic retinal conditions. Andersen SR.
Am J Ophthalmol 71:Suppl:231-41, Jan 71
Glial nodules of the inner retina. Ganley JP, et al.
Am J Ophthalmol 71:1099-103, May 71
Cavernous hemangioma of the retina. A neuro-oculo-cutaneous syndrome. Gass JD.
Am J Ophthalmol 71:799-814, Apr 71
Classification and pathogenesis of proliferative sickle retinopathy. Goldberg MF.
Am J Ophthalmol 71:649-65, Mar 71
Fluorescein angiographic findings in presumed histoplasmosis. Hyvärinen L, et al.
Am J Ophthalmol 71:449-59, Feb 71
Chloroquine retinopathy. Investigation of discrepancy between dark adaptation and electroretinographic findings in advanced stages. Krill AE, et al.
Am J Ophthalmol 71:530-43, Feb 71
Retinopathy associated with hereditary olivopontocerebellar degeneration. Ryan SJ, et al.
Am J Ophthalmol 71:838-43, Apr 71
The influence of electrical stimulation of the posterior hypothalamus and of the mesencephalic reticular formation on the retinal artery pressure in the cat. Sterman-Marinchescu C.
Arch Int Physiol Biochim 78:79-90, Feb 70
Natural history of untreated proliferative sickle retinopathy. Goldberg MF.
Arch Ophthalmol 85:428-37, Apr 71
Familial exudative vitreoretinopathy. An expanded view. Gow J, et al. Arch Ophthalmol 86:150-5, Aug 71
Retinal burn thresholds for the helium-neon laser in the rhesus monkey. Ham WT Jr, et al.
Arch Ophthalmol 84:797-809, Dec 70
Studies in refraction. II. Bias and accuracy of retinoscopy. Hyams L, et al.
Arch Ophthalmol 85:33-41, Jan 71
The retina and optic nerve. L'Esperance FA Jr.
Arch Ophthalmol 86:210-32, Aug 71 (134 ref.)
Modifications of cell behavior and enzyme induction by zwitterionic buffers. Morris JE.
Biochem Biophys Res Commun 43:1436-42, 18 Jun 71
Retinal cysts following cryotherapy. Oliver M, et al.
Br J Ophthalmol 55:272-4, Apr 71
A static perimetric technique believed to test

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

receptive field properties: responses near visual field lesions with sharp borders. Enoch JM, et al. Doc Ophthalmol 29:154-67, 21 Dec 70
A static perimetric technique believed to test receptive field properties: extension and verification of the analysis. Enoch JM, et al. Doc Ophthalmol 29:127-53, 21 Dec 70
Entodon therapy in central serous retinopathy. Murthy GR. J All India Ophthalmol Soc 18:75-7, Jun 70
Reversibility of malignant hypertension. Follow-up of three cases. Pickering G. Lancet 1:413-8, 27 Feb 71
Cysts of the retina. Zucker HS. NY State J Med 70:2935, 1 Dec 70
The effects of stationary retinal patterns upon the behaviour of neurons in the cat's visual cortex. Burns BD, et al. Proc R Soc Lond [Biol] 178:63-78, 15 Jun 71
Retinopathy in sheep affected with natural scrapie. Barnett KC, et al. Res Vet Sci 12:383-5, Jul 71
Physiopathological correlation between hitoogical alterations and bioelectrical modifications of the retina in experimental hypobarism. Carapancea M, et al. Rev Roum Physiol 7:307-17, 1970
Irreversible effects on visible light on the retina: role of vitamin A. Noell WK, et al. Science 172:76-9, 2 Apr 71
Use of the computer in the study of reinal disease. Hagler WS, et al. South Med J 64:354-8, Mar 71
Transscleral migration of pigment following cryotherapy of intraocular glioma. Boniuk M, et al. Trans Am Acad Ophthalmol Otolaryngol 75:60-9, Jan-Feb 71
Retinal lesions in subacute sclerosing panencephalitis. Nelson DA, et al. Trans Am Neurol Assoc 95:334, 1970
The hereditary retino-choroidal dystrophies: the need for comprehensive diagnosis and management. Halliday FB. Trans Aust Coll Ophthalmol 1:90-3, 1969
Juvenile hereditary retinoschisis. Ewing CC, et al. Trans Ophthalmol Soc UK 89:29-39, 1970
Diffuse fibrosing alveolitis. Jay B, et al. Trans Ophthalmol Soc UK 89:229-34, 1970
A retinal dysplasia in the Beagle dog. Heywood R, et al. Vet Rec 87:178-80, 15 Aug 70
[Retinal lesions in myotonic dystrophy. Clinical study] Babel J, et al. Ann Ocul (Paris) 203:1049-65, Dec 70 (Fre)
[Ocular accidents following a strangulation attempt] Douche C. Ann Ocul (Paris) 204:749-52, Jul 71 (Fre)
[A family with idiopathic recessive sex-linked retinoschisis] Guyot-Sionnest. Ann Ocul (Paris) 202:573-96, Jun 69 (Fre)
[Evolutive retinal angiomatosis with dominant heredity] Saraux H, et al. Ann Ocul (Paris) 204:147-53, Feb 71 (Fre)
[Retinal and cortical evoked potentials in strabismic ambiyopic children] Corcelle L, et al. Arch Ophtalmol (Paris) 29:187-92, Mar 69 (Fre)
[On difficulties of differential diagnosis of whitening punctate retinopathy and fundus albipunctatus cum hemeralopia] Aouchiche M, et al. Bull Mem Soc Fr Ophtalmol 82:573-85, 1969 (Fre)
[Experimental study of retinopathy caused by chloroquine] Babel J, et al. Bull Mem Soc Fr Ophtalmol 82:491-505, 1969 (Fre)
[Retinal ischemia, anaphylactic shock and cardiac arrest] Bouchat J, et al. Bull Mem Soc Fr Ophtalmol 82:202-7, 1969 (Fre)
[Infarction of the retina in eschemic cardiopathies] Cernea P, et al. Bull Mem Soc Fr Ophtalmol 82:343-55, 1969 (Fre)
[Opthalmoscopic aspects and treatment of senile cystic retinoschisis] Charleux J, et al. Bull Mem Soc Fr Ophtalmol 82:223-42, 1969 (Fre)
[False double papilla caused by toxoplasmic cicatrix] Hamard H, et al. Bull Mem Soc Fr Ophtalmol 82:552-6, 1969 (Fre)
[Secondary changes of the macula after photocoagulation of the peripheral retinal tears and holes] Velissaropoulos P, et al. Bull Mem Soc Fr Ophtalmol 82:397-401, 1969 (Fre)
[Physiopathology and treatment of central serous retinopathy] Gilson M, et al. Bull Soc Belge Ophtalmol 150:588-99, 1968 (Fre)
[Annular swelling of the retina] Michiels J, et al. Bull Soc Belge Ophtalmol 153:651-70, Nov 69 (Fre)
[Prisms: their use in treatment of anomalous retinal correspondence] Bérard PV, et al. Bull Soc Ophtalmol Fr 69:1130-9, Dec 69 (Fre)
[Papillary pit and retinal cyst] Cordier J, et al. Bull Soc Ophtalmol Fr 70:728-34, May-Jun 70 (Fre)
[A recent case of von Hippel's disease] Hermann P, et al. Bull Soc Ophtalmol Fr 69:759-61, Jul-Aug 69 (Fre)
[Ophthalmologic survey of a case of Takayasu's disease before and after surgery] Man HX. Bull Soc Ophtalmol Fr 69:444-7, Apr 69 (Fre)
[The use of cold in the treatment of retinal tear with and without detachment] Sourdille P. Bull Soc Ophtalmol Fr 70:531-3, Apr 70 (Fre)
[Chorioretinal lesions caused by subacute sclerosing leukoencephalitis (2 cases)] Collard M, et al. Rev Otoneuroophtalmol 43:25-31, Jan-Feb 71 (Fre)
[Exploration of neurovegetative central activity by means of the retino-cortical potential in patients with diencephalic disorders] Benetato A, et al. Rev Roum Physiol 5:41-50, 1968 (Fre)
[Chorioretinal manifestations in hyperlipemia. Hyperlipemic retinopathy. 44 cases] Moreau PG, et al. Sem Hop Paris 46:3467-75, 20 Dec 70 (Fre)
[A case of bilateral symmetrical retinal fissure (retinal cysts)] Göttinger W. Ber Dtsch Ophthalmol Ges 70:193-7, 1970 (Ger)
[The right-left problem in retinal tears] Jäger A. Klin Monatsbl Augenheilkd 158:272-3, Feb 71 (Ger)
[Ocular sarcoidosis] Volpi U, et al. Ann Ottalmol Clin Ocul 95:641-64, Aug 69 (Ita)
[On the changes of retinal correspondence in concomitant strabismus after surgical intervention] Leonardi E, et al. Boll Ocul 48:848-58, Nov 69 (Ita)
[Pseudoglioma of the retina caused by Toxocara canis. Description of a suspected case] Coriglione G, et al. Minerva Oftalmol 11:99-103, May-Jun 69 (Ita)
[Papillary and retinal (monolateral) edema with amaurosis in a case of allergic shock caused by penicillin] Gastaldi GM. Minerva Oftalmol 11:228-9, Nov-Dec 69 (Ita)
[Thermal effects of laser photocoagulation on intraocular tissues and fluids] Sbordone G, et al. Minerva Oftalmol 11:66-9, Mar-Apr 69 (Ita)
[Physical development of preschool blind children due to retinopathy of prematurity] Yamamoto H. Acta Soc Ophthalmol Jap 75:903-16, 20 Jan 71 (Jap)
[Chloroquine retinopathy] Yanagisawa Y, et al. Acta Soc Ophthalmol Jap 75:609-18, 20 Jan 71 (Jap)
[Photocoagulation in the management of idiopathic retinoschisis] Sakaue E, et al. Folia Ophthalmol Jap 22:147-53, Mar 71 (Jap)
[Prognostic observation of chloroquine retinopathy] Kikkawa T. Ophthalmology (Tokyo) 13:726-36, Jul 71 (Jap)
[Melanoma originating from the retina] Takahashi S. Ophthalmology (Tokyo) 12:845-52, Oct 70 (Jap)
[The role of the retina's antenna properties in analysis of visual space] Shaftor EP. Fiziol Zh SSSR 56:137-43, Feb 70 (Rus)
[Campimeter and its use for studying the blind spot in children and adolescents] Sidorov EG, et al. Nov Med Priborostr 3:63-8, 1970 (Rus)
[Fluorescein angiography of the chorioretinal folds in postoperative hypotension] Malbrán E, et al. Arch Oftalmol B Aires 45:247-64, Jul 70 (Spa)
[Retinal macrocysts, retinoschisis and high hyperopia] Malbran E, et al. Arch Oftalmol B Aires 45:180-90, May 70 (Spa)
[Amyelinic or dysmyelinic papillae] Roveda JM, et al. Arch Oftalmol B Aires 45:449-53, Nov 70 (Spa)
[Periphlebitis retinae and multiple sclerosis] Hörnsten G. Nord Med 84:1528, 26 Nov 70 (Swe)

ABNORMALITIES

Fluorescein angiographic studies on x-chromosomal retinoschisis. Krause U, et al. Acta Ophthalmol (Kbh) 48:794-807, 1970
Contractile peripapillary staphyloma. Kral K, et al. Am J Ophthalmol 71:1090-2, May 71
The pathogenesis of retinal dysplasia. Silverstein AM, et al. Am J Ophthalmol 72:13-21, 30 Jul 71
Meridional folds, meridional complexes, and associated abnormalities of the peripheral retina. Spencer LM, et al. Am J Ophthalmol 70:679-714, Nov 70
Optic nerve hypoplasia. A report of 20 cases. Walton DS, et al. Arch Ophthalmol 84:572-8, Nov 70
Surgery for retinal dysplasia and hyperplasia of the persistent primary vitreous. Selm J van. Trans Ophthalmol Soc UK 89:545-56, 1970
[Hyaloid-retinal dysplasia (pseudoglioma) due to recessive autosomal heredity] Saraux H, et al. Ann Ocul (Paris) 202:1131-7, Nov 69 (Fre)
[Lesions predisposing to retinal detachment] Urrets-Zavalia A Jr. Annee Ther Clin Ophtalmol 20:11-34, 1969 (Fre)
[Reese's retinal dysplasia and cytomegalic inclusion disease] François J, et al. Bull Mem Soc Fr Ophtalmol 81:523-36, 1968 (Fre)
[Cyrotherapeutic treatment of infantile retinoschisis] Mawas E, et al. Bull Soc Ophtalmol Fr 69:544-8, May-Jun 69 (Fre)
[Congenital hyaloid-retinal dysplasias and their differential diagnosis] Ricci A. J Genet Hum Suppl 7:1-191, 1969 (Fre)
[Rare observations on retinal hypoplasia] François J, et al. Klin Monatsbl Augenheilkd 157:605-10, Nov 70 (Ger)
[On a case of encephalo-ophthalmic dysplasia (Krause syndrome) characterized by unilaterality of the retinal dysplastic changes] Frezzotti R, et al. Boll Ocul 48:813-20, Nov 69 (Ita)

ANALYSIS

Permeability of the blood-retina barrier to quarternary nitrogen compounds. Andersen RA, et al. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:31, 1970
Lipid composition of bovine retinal outer segment fragments. Nielsen NC, et al. Biochim Biophys Acta 211:10-9, 7 Jul 70
Lipids of ocular tissues. IV. A comparison of the phospholipids from the retina of six mammalian species. Anderson RE. Exp Eye Res 10:339-44, Oct 70
Refsum's syndrome. Levy IS. Trans Ophthalmol Soc UK 90:181-6, 1970
Mucopolysaccharides of the retina. Hall MO, et al. UCLA Forum Med Sci 8:211-24, 1969
Distribution of vitamins A1 and A2 in the retinas of some marine fishes from the Gulf of California. Ali MA, et al. Vision Res 10:1307-10, Nov 70
[Development and significance of colored oil globules in the retina of Lacerta vivipara] Tiemann G. Experientia 26:1274, 15 Nov 70 (Ger)
[Study on free amino acids in the retina] Yamamoto K, et al. Acta Soc Ophthalmol Jap 74:1561-3, Dec 70 (Jap)
[Sodium and potassium in the outer segments of the retina] Etingof RN, et al. Dokl Akad Nauk SSSR 189:1407-10, 21 Dec 69 (Rus)

ANATOMY & HISTOLOGY

Calculation of total retinal area. Taylor E, et al. Br J Ophthalmol 55:262-5, Apr 71
Vaso-glial connections in the rabbit retina. Tripathi B, et al. Br J Ophthalmol 55:1-11, Jan 71
Retino-tectal and cortico-tectal projections in Macaca mulatta. Wilson ME, et al. Brain Res 24:395-406, 18 Dec 70
Goldfish retina structure and function in extended cold. Dawson WW, et al. Exp Neurol 31:368-82, Jun 71
Symmetry in a receptor mosaic demonstrated in the chick from the frequencies, spacing and arrangement of the types of retinal receptor. Morris VB. J Comp Neurol 140:359-98, Nov 70
Synapses made by myelinated fibers running to teleost and elasmobranch retinas. Witkovsky P. J Comp Neurol 142:205-21, Jun 71
Absence of adaptive modification in developing retinotectal connections in frogs after visual deprivation or disparate stimulation of the eyes. Jacobson M. Proc Nati Acad Sci USA 68:528-32, Mar 71
Retinal anatomy in some scopelarchid deep-sea fishes. Locket NA. Proc R Soc Lond [Biol] 178:161-84, 29 Jun 71
Development, structure, and function of the retinal pigmented epithelium. Moyer FH. UCLA Forum Med Sci 8:1-30, 1969
The outer plexiform layer and the neural organization of the retina. A circuit anatomy analysis. A new approach to the study of nervous centers applied to the retina. Sjöstrand FS. UCLA Forum Med Sci 8:83-100, 1969
Topography of the adult human retina. Straatsma BR, et al. UCLA Forum Med Sci 8:379-410, 1969
The histology of retinas from the Pinnipedia. Landau D, et al. Vision Res 10:691-702, Aug 70
On the fine structure of the peripheral retina and lamina ganglionaris of the fly, Musca domestica. Boschek CB. Z Zellforsch Mikrosk Anat 118:369-409, 1971
[Organoids appearing in photoreceptor synapses] Radnot M, et al. Bull Mem Soc Fr Ophtalmol 81:809-14, 1968 (Fre)
[The adventitional and intervascular reticulin fibers of the human retina] Daicker B. Albrecht von Graefes Arch Klin Ophthalmol 181:179-91, 1971 (Ger)
[Histological study of the rabbit retina] Bekchanov AN. Biull Eksp Biol Med 69:116-8, Mar 70 (Rus)

BLOOD SUPPLY

Incidence of spontaneous venous pulsation in the retina. Lorentzen SE. Acta Ophthalmol (Kbh) 48:765-70, 1970
Incidence of cilioretinal arteries. Lorentzen SE. Acta Ophthalmol (Kbh) 48:518-24, 1970
Ischemic retinopathy due to carbon monoxide poisoning. Bilchik RC, et al. Arch Ophthalmol 86:142-4, Aug 71
A clinicopharmacological assay of Halidor in disorders of retinal blood supply. Sziklai A. Ther Hung 18:91-4, 1970
[A method for fluorescence cineangiography of the human retina] Gnad HD. Albrecht von Graefes Arch Klin Ophthalmol 182:82-8, 1971 (Ger)
[Eye changes in subclavian steal syndrome] Betteiheim H. Wien Klin Wochenschr 82:142-3, 20 Feb 70 (Ger)
[Influence of experimental lessening of blood influx through the internal carotid artery on the retinal blood flow. 2. Behavior of the ophthalmic artery pressure] Nitankowska H. Klin Oczna 40:797-803, 1970 (Pol)
[Intracranial control of blood circulation and the retinal circulation] Nitankowska H. Klin Oczna 40:783-8, 1970 (Pol)
[Effect of experimental lessening of blood influx through the internal carotid artery on the retinal flow. 1. Behavior of the width of the retinal vascular bed] Nitankowska H. Klin Oczna 40:789-95, 1970 (Pol)

CYTOLOGY

Reaction on histones with ammoniacal silver in chromatin in different states of condensation. Myśliwski A. Acta Histochem (Jena) 39:248-51, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Outer segments of photoreceptors and the retinal pigment epithelium. Interrelationship in the human eye. Spitznas M, et al.
Arch Ophthalmol 84:810-9, Dec 70
Enzymatic digestion of synaptic ribbons in amphibian retinal photoreceptors. Bunt AH.
Brain Res 25:571-7, 5 Feb 71
Synaptic organisation of the pigeon's optic tectum: a golgi and current source-density analysis. Stone J, et al. Brain Res 27:203-21, 2 Apr 71
Freeze-etch studies of rabbit eye. I. Choriocapillaris, lamina elastica (vitrea) and pigment epithelium. Leeson TS. J Anat 108:135-46, Jan 71
Freeze-etch studies of rabbit eye. II. Outer segments of retinal photoreceptors. Leeson TS.
J Anat 108:147-57, Jan 71
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71
Electron microscope observations on form changes in photoreceptor outer segments and their saccules in response to osmotic stress. Cohen AI.
J Cell Biol 48:547-65, Mar 71
Evidence for granulolysis in the retinula cells of a stomatopod crustacean, Squilla mantis. Perrelet A, et al. J Cell Biol 48:684-8, Mar 71
A note on synaptic structure of the retina of Octopus vulgaris. Gray EG. J Cell Sci 7:203-15, Jul 70
Increase in number of synapses in the inner plexiform layer of light deprived rat retinae: quantitative electron microscopy. Sosula L, et al.
J Comp Neurol 141:427-51, Apr 71
The degradation of the photoreceptor outer segment within the pigment epithelial cell of rat retina. Ishikawa T, et al.
J Electron Microsc (Tokyo) 19:85-99, 1970
Crystal bodies in the outer plexiform layer of the human retina. Uga S, et al.
J Electron Microsc (Tokyo) 19:278-9, 1970
Physiological and morphological identification of horizontal, bipolar and amacrine cells in goldfish retina. Kaneko A. J Physiol (Lond) 207:623-33, May 70
Electrical connexions between horizontal cells in the dogfish retina. Kaneko A.
J Physiol (Lond) 213:95-105, Feb 71
Incremental responses to light recorded from pigment epithelial cells and horizontal cells of the cat retina. Steinberg RH. J Physiol (Lond) 217:93-110, Aug 71
Innervation of the retinal muscles in wolf spiders (Araneae-Lycosidae). Melamed J, et al.
J Ultrastruct Res 35:359-69, May 71
Polarization optical studies on the ultrastructure of the photoreceptor. Fehér J.
Ophthalmologica 161:402-12, 1970
The retinal bipolar cells and their synapses in the inner plexiform layer. Allen RA.
UCLA Forum Med Sci 8:101-43, 1969
Retinal ganglion cells: a correlation of anatomical and physiological approaches. Dowling JE, et al.
UCLA Forum Med Sci 8:145-61, 1969
The organization of vertebrate photoreceptor cells. Young RW. UCLA Forum Med Sci 8:177-210, 1969
Landolt's club in the retina of the African lungfish, Protopterus aethiopicus, Heckel. Locket NA.
Vision Res 10:299-306, Apr 70
Properties of the frog's retinal ganglion cells as revealed by substitution of chromatic stimuli. Scheibner H, et al. Vision Res 10:829-36, Sep 70
Identification of horizontal cells as S-potential generators in the cat retina by intracellular dye injection. Steinberg RH, et al.
Vision Res 10:817-20, Sep 70
Reversal of Weber's law for an extraordinary unit in the cat's retina. Yoon M. Vision Res 10:769-74, Aug 70
Electron microscopic observations on the cilio-zonular border area of the human eye with particular reference to the aging changes. Gärtner J.
Z Anat Entwicklungsgesch 131:263-73, 1970
Presynaptic tubular structures in photoreceptor cells. De Iraldi AP, et al.
Z Zellforsch Mikrosk Anat 113:39-43, 1971
The hagfish retina: fine structure of retinal cells in Myxine glutinosa, L., with special reference to receptor and epithelial cells. Holmberg K.
Z Zellforsch Mikrosk Anat 111:519-38, 1970
Effect of colchicine on axonal transport and morphology of retinal ganglion cells. Karlsson JO, et al. Z Zellforsch Mikrosk Anat 115:265-83, 1971
[Myeloid bodies of the retinal pigment epithelium. I. Distribution, morphology and connections with cytoplasmic organels] Anh JN.
Z Zellforsch Mikrosk Anat 115:508-23, 1971 (Fre)
[Functional significance of the spacial relationship between the crystalline cone and rhabdom in the honey-bee (Apis mellifica L)] Skrzipek KH, et al.
Experientia 27:409-11, 15 Apr 71 (Ger)
[Hyalocytes in tissue culture] Hilwig I.
Z Zellforsch Mikrosk Anat 113:544-52, 1971 (Ger)
[Structure of the retina in the honeybee (Apis mellifica L.) as revealed by light and electron microscopy] Skrzipek KH, et al.
Z Zellforsch Mikrosk Anat 119:552-76, 1971 (Ger)
[The structure and function of the Müller cells in the human retina. II. The structure of the Müller cells in the normal retina] Uga S, et al.
Acta Soc Ophthalmol Jap 74:1018-24, Sep 70 (Jap)
[Cytochemical electron microscope study on the inner limiting membrane as revealed by ruthenium red staining] Matsusaka T.
Folia Ophthalmol Jap 22:192-4, Mar 71 (Jap)
[Ganglion cells of the frog retina] Shibkova SA.
Arkh Anat Gistol Embriol 58:72-7, Nov 70 (Rus)
[Retinal ganglion cells in Selachia] Shibkova SA.
Arkh Anat Gistol Embriol 60:21-8, 1971 (Rus)
[Seasonal mitotic rhythm in the cells of the retina and crystalline lens epithelium of grass frogs] Farberov AI, et al. Biull Eksp Biol Med 66:96-8, Sep 68 (Rus)
[Characteristics of the mitotic cycles of the pigment epithelium and rudimentary retina cells during retina regeneration in adult newts (Triturus cristatus and Triturus taeniatus)] Mitashov VI.
Dokl Akad Nauk SSSR 189:666-9, Nov 69 (Rus)
[Structural organization of the ganglionic cells of the temporal region of the cat retina] Shibkova SA, et al.
Dokl Akad Nauk SSSR 186:461-3, May 69 (Rus)
[Method of studying the retinal ganglion cells and brain neurons in fish during free swimming] Zenkin GM, et al. Fiziol Zh SSSR 56:1859-61, Dec 70 (Rus)

DRUG EFFECTS

Electroretinography in patients with connective tissue diseases treated with hydroxychloroquine. Sassaman FW, et al. Am J Ophthalmol 70:515-23, Oct 70
A preliminary study of the effect of chloroquine on the rat retina. Hodgkinson BJ, et al.
Arch Ophthalmol 84:509-15, Oct 70
Ocular effects of chlorpromazine and oxypertine on beagle dogs. Legros J, et al.
Br J Ophthalmol 55:407-15, Jun 71
Chloroquine retinopathy in the rabbit. Ramsey MS, et al. Can J Ophthalmol 5:264-73, Jul 70
The effect of anaesthetics on the electroretinogram and the visually evoked response in the rabbit. Gerritsen BG. Doc Ophthalmol 29:289-330, 14 May 71
Effect of strychnine on the electroretinogram of the isolated rabbit retina. Vorkel W, et al.
Experientia 27:296-7, 15 Mar 71
Vitamin A and the retina. Amemiya T.
Eye Ear Nose Throat Mon 50:341-6, Sep 71
Acute toxic effects of chloroquine on the cat retina: ultrastructural changes. Smith RS, et al.
Invest Ophthalmol 10:237-46, Apr 71
Differences in the retinotoxic action of chloroquine and phenothiazine derivatives. Gregory MH, et al.
J Pathol 102:139-50, Nov 70
Gallamine triethiodide (flaxedil) and cat retinal ganglion cell responses. Enroth-Cugell C, et al.
J Physiol (Lond) 208:677-89, Jul 70
Drugs and the fetal eye. Herxheimer A.
Lancet 1:448, 27 Feb 71
Electroretinogram in sucrose- and starch-fed rats. Cohen AM, et al. Metabolism 19:1064-7, Dec 70
Embryonic and neoplastic cell surfaces: availability of receptors for concanavalin A and wheat germ agglutinin. Moscona AA. Science 171:905-7, 5 Mar 71
[Electroretinographic modifications in albino rats after chronic administration of toxic doses of hydroxychloroquine and desethylhydroxychloroquine] Legros J, et al.
Arch Ophtalmol (Paris) 31:165-80, Feb 71 (Fre)
["Desensitization" of cholinergic receptors in the retina] Dettmar P.
Acta Biol Med Ger 26:771-7, 1971 (Ger)
[Influence of strychnine on the electroretinogram of the isolated perfused frog retina] Vörkel W, et al.
Acta Biol Med Ger 26:761-70, 1971 (Ger)
[Furacin-retinopathy in rabbits. II. Changes of the electro-retinogram following ischaemia by increased intra-ocular pressure] Weiss H.
Albrecht von Graefes Arch Klin Ophthalmol 181:228-33, 1971 (Ger)
[Furacin-retinopathy in rabbits. 1] Weiss H, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:130-9, 1971 (Ger)
[The ERG and EOG potentials aft a long-term Resochin therapy] Svérák J, et al.
Klin Monatsbl Augenheilkd 157:389-92, Sep 70 (Ger)
[Electroretinographic studies on the experimental amyl acetate intoxication. I. Acute intoxication] Gorgone G, et al.
Ann Ottalmol Clin Ocul 96:313-9, Jun 70 (Ita)
[Electroretinographic studies on the experimental amyl acetate intoxication. II. Chronic intoxication] Inserra A, et al.
Ann Ottalmol Clin Ocul 96:321-4, Jun 70 (Ita)
[Intravitreal administration in the study of experimental physiopathology of the retina. I. Effects on ocular pressure] Ponte F, et al.
Ann Ottalmol Clin Ocul 94:466-76, May 68 (Ita)
[Intravitreal administration in the study of experimental physiopathology of the retina. II. Effects of iodoacetic acid] Ponte F, et al.
Ann Ottalmol Clin Ocul 94:477-89, May 68 (Ita)
[Modification of ERG produced by dichlorphenamide] Tota G, et al.
Ann Ottalmol Clin Ocul 96:303-11, Jun 70 (Ita)
[Effects of the ketone bodies on the rabbit retina. II. Histo-chemical observation. A. Glycogen] Yokoi M.
Acta Soc Ophthalmol Jap 74:1540-7, Nov 70 (Jap)
[Effects of the ketone bodies on the rabbit retina. I. Histological observation] Yokoi M.
Acta Soc Ophthalmol Jap 74:1534-9, Nov 70 (Jap)
[Effects of the ketone bodies on the rabbit retina. 3. Histo-chemical observations. B. Oxidase and peroxidase] Yokoi M.
Acta Soc Ophthalmol Jap 74:1548-55, Nov 70 (Jap)
[Effects of acetylcholine on the isolated retina of rabbits] Honda K.
Folia Ophthalmol Jap 22:373-4, Jun 71 (Jap)
[Effect of methanol and certain other high alcohols on the retina (electronmicroscopic study)] Vendilo MV, et al. Gig Tr Prof Zabol 15:17-21, Jan 71 (Rus)
[Study of penetration of certain radiation-protective agents into the retina and their effect on the bioelectric activity of the eye] Pushkareva TV, et al.
Radiobiologiia 9:711-4, Sep-Oct 69 (Rus)
[The effect of nembutal on the electrical potentials of the retina and optic tract of cats evoked by a flickering light] Dulenko VP, et al.
Zh Vyssh Nerv Deiat 16:88-95, Jan-Feb 66 (Rus)

EMBRYOLOGY

Reaction on histones with ammoniacal silver in the developing rat retina. Mysliwski A.
Acta Histochem (Jena) 38:88-91, 1970
Differential growth of the neural retina in Xenopus laevis larvae. Hollyfield JG. Dev Biol 24:264-86, Feb 71
The induction of glutamine synthetase in cell aggregates of embryonic neural retina: correlations with differentation and multicellular organization. Morris JE, et al. Dev Biol 25:420-44, Jul 71
Electron microscopic analysis of aggregation of embryonic cells: the structure and differentiation of aggregates of neural retina cells. Sheffield JB, et al.
Dev Biol 23:36-61, Sep 70
Melanogenesis in amphibians. II. Electron microscope studies of the normal and PTU-treated pigmented epithelium of developing Notophthalmus viridescens eyes. Eppig JJ Jr.
J Embryol Exp Morphol 24:447-54, Sep 70
Studies on aggregation of embryonic cells: initial cell adhesions and the formation of intercellular junctions. Sheffield JB. J Morphol 132:245-63, Nov 70
[Electron microscopic study of the origin of premelanosomes of the retinal pigment epithelium in chick embryos] Stanka P.
Z Zellforsch Mikrosk Anat 112:120-8, 1971 (Ger)
[Morphology of the retina in human embryos at the end of embryonic development (7th and 8th week of intrauterine life)] Bartoszewicz-Inczewa H, et al.
Klin Oczna 40:827-9, 1970 (Pol)
[Adaptive changes of the retina in ontogeny of Gobius melanostomus (Pall.)] Moskal'kova KI.
Dokl Akad Nauk SSSR 198:1225-7, 1971 (Rus)
[DNA content of forebrain and retina cells of the chick embryo] Brodskiĭ VIa, et al.
Tsitologiia 13:522-5, Apr 71 (Rus)

ENZYMOLOGY

Electron histochemical study on the UDPG-glycogen glucosyltransferase and phosphorylase systems in the retina. Amemiya T, et al.
Acta Soc Ophthalmol Jap 74:1032-40, Sep 70
Retinal dehydrogenases in rabbits exposed to 100 percent oxygen. Shaw AM, et al.
Aerosp Med 41:1055-60, Sep 70
Demonstration of a nonspecific cholinesterase in retinal Müller cell. Laties AM, et al.
Am J Ophthalmol 71:1093-8, May 71
Hormonal effects on the neural retina. I. Glutamine synthetase development in the retina and liver of the normal and triiodothyronine-treated rat. Chader GJ.
Arch Biochem Biophys 144:657-62, Jun 71
Glutamine synthetase in the normal human retina. Chader GJ, et al. Arch Ophthalmol 85:286-7, Mar 71
Glutamine synthetase activity in human retinal tissue. Enzyme activity in the normal retina and cortisol induction in cultured cells derived from retinoblastoma. Reif-Lehrer L.
Arch Ophthalmol 86:72-6, Jul 71
Hormonal effects on the neural retina: induction of glutamine synthetase by cyclic-3',5'-AMP. Chader GJ.
Biochem Biophys Res Commun 43:1102-5, 4 Jun 71
Induction of glutamine synthetase in embryonic neural retina in vitro by inhibitors of macromolecular synthesis. Moscona AA, et al.
Biochem Biophys Res Commun 39:943-9, 5 Jun 70
Retinal localization of the hydroxyindole-O-methyl transferase (HIOMT) in the rat. Cardinali DP, et al.
Endocrinology 89:301-3, Jul 71
Effects of 2-PAMCl and toxogonin on retinal and brain acetylcholinesterase inhibited by sarin. Harris LW, et al. Eur J Pharmacol 14:38-46, 1971
Enhancement of glutamine synthetase induction by pH adjustment in cultures of embryonic neural retina. Morris JE. Exp Cell Res 68:449-57, Jun 71
Evolution of a retinal specific lactate dehydrogenase isozyme in teleosts. Whitt GS, et al.
Experientia 26:1302-4, 15 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Acid hydrolases of the retinal pigment epithelium. Berman ER. Invest Ophthalmol 10:64-8, Jan 71
Uridine diphosphoglucose-glycogen glucosyltransferase activity in the retina of the alloxan-diabetic rat. Meyers SM, et al. Invest Ophthalmol 10:453-6, Jun 71
Analysis of cholinesterases of intact cat cornea, ciliary body, lens, and retina. Mittag TW, et al. Invest Ophthalmol 9:742-8, Oct 70
The degradation of the photoreceptor outer segment within the pigment epithelial cell of rat retina. Ishikawa T, et al. J Electron Microsc (Tokyo) 19:85-99, 1970
Steroid control of the normal development of glutamine synthetase in the embryonic chick retina. Piddington R. J Embryol Exp Morphol 23:729-37, Jun 70
The fine structural localization of acetylcholinesterase activity in the retina and optic nerve of rabbits. Reale E, et al. J Histochem Cytochem 19:85-96, Feb 71
Na-K-activated adenosinetripnosphatase in retinae of rats with and without inherited retinal dystrophy. Daemen FJ, et al. Vision Res 10:435-8, May 70
Acid phosphatase activity in the retinal pigment epithelium. Marshall J. Vision Res 10:821-4, Sep 70
[Glutamate decarboxylase and gamma-aminobutyrate transaminase in the rat retina during postnatal growth] Macaione S, et al. Boll Soc Ital Biol Sper 46:785-9, 15 Oct 70 (Ita)
[Ultracytochemical studies of phosphatase activities in the vicinity of the internal limiting membrane of the rat retina] Miki H. Acta Soc Ophthalmol Jap 74:1041-8, Sep 70 (Jap)
[Histochemical studies on cryoretinopexy. 2] Shirai A. Acta Soc Ophthalmol Jap 75:1097-102, Mar 71 (Jap)
[Histochemical studies on cryoretinopexy] Shirai A. Acta Soc Ophthalmol Jap 74:1067-73, Sep 70 (Jap)
[Dehydrogenase activity in rat, squirrel and monkey retinas] Bali' TV, et al. Arkh Anat Gistol Embriol 57:50-7, 1969 (Rus)
[The glucose-6-phosphate dehydrogenase and lactate dehydrogenase of the membranous structures of the retina] Etingof RN, et al. Biokhimiia 35:35-41, 1970 (Rus)

GROWTH & DEVELOPMENT

Fine structure of the postnatal development of the canine retina. Shively JN, et al. Am J Vet Res 32:383-92, Mar 71
The growth of the retina in Xenopus laevis: an autoradiographic study. Straznicky K, et al. J Embryol Exp Morphol 26:67-79, Aug 71
Optic nerve fibre counts and retinal ganglion cell counts during development of Xenopus laevis (Daudin). Wilson MA. Q J Exp Physiol 56:83-91, Apr 71
Differentiation of ectopic retinal structures in the hypothalamo-hypophysial area in the adult crested newt bearing a permanent hypothalamic lesion. Sacerdote M. Z Anat Entwicklungsgesch 134:49-60, 1971
Histotypic organization of the rat retina in vitro. La Vail MM, et al. Z Zellforsch Mikrosk Anat 114:557-79, 1971
[Normal development of the electroretinogram from the fetal age of 7 and one-half months until the age of 4 months after full-term birth] Samson-Dollfus D. Bull Soc Ophtalmol Fr 68:423-31, Apr 68 (Fre)
[Maturation of the visual system in chickens] Blozovski D. J Physiol (Paris) 62:Suppl 2:252, 1970 (Fre)
[Restoration of function in the regenerating retina of the anuran tadpole] Dabagian NV, et al. Dokl Akad Nauk SSSR 185:957-60, 1 Apr 69 (Rus)
[Adaptive changes of the retina in ontogeny of Gobius melanostomus (Pall.)] Moskal'kova KI. Dokl Akad Nauk SSSR 198:1225-7, 1971 (Rus)

IMMUNOLOGY

Neuro-retinal "lentoids" contain no lens antigens. Immunofluorescent criteria. Katoh A, et al. Exp Cell Res 66:65-8, May 71
[Immunological studies on subretinal fluids with reference to clinical aspects] Liesenhoff H, et al. Ber Dtsch Ophthalmol Ges 70:197-203, 1970 (Ger)
[Immunoelectrophoretic analysis of water-soluble antigens in the chick retina] Barabanov VM, et al. Biull Eksp Biol Med 70:73-6, Aug 70 (Rus)
[Organ specificity of tissue antigens of chick retina] Barabanov VM, et al. Biull Eksp Biol Med 71:85-8, May 71 (Rus)

INJURIES

Occult intraocular perforations from brow and lid lacerations. Goldberg MF, et al. Arch Ophthalmol 86:145-9, Aug 71
Retinal perforation and muscle surgery. Jervey ED. Eye Ear Nose Throat Mon 49:131-2, Mar 70
Spectral dependence of retinal damage produced by intense light sources. Mainster MA, et al. J Opt Soc Am 60:848-55, Jun 70
Evaluation of retinal thresholds for C.W. laser radiation. Dunsky IL, et al. Vision Res 11:733-8, Jul 71
[Electroretinography of the retina injured by light. 2] Aoyanagi T. Folia Ophthalmol Jap 22:375-6, Jun 71 (Jap)
[Effectiveness of surgery in traumatic detachment of the retina] Sukariavichus KA. Oftalmol Zh 26:34-9, 1971 (Rus)

INNERVATION

Visual responses of centrifugal neurones to the avian retina. Miles FA. Brain Res 25:411-5, 22 Jan 71
Efferent innervation of the retina. II. Morphologic study of the monkey retina. Honrubia FM, et al. Invest Ophthalmol 9:971-8, Dec 70
The inner plexiform layer of the vertebrate retina: a quantitative and comparative electron microscopic analysis. Dubin MW. J Comp Neurol 140:479-505, Dec 70
A quantitative ultrastructural study of the inner plexiform layer of the rat retina. Sosula L, et al. J Comp Neurol 140:439-77, Dec 70
Metabolism of glucose and reduction of retinaldehyde in retinal photoreceptors. Futterman S, et al. J Neurochem 17:149-56, Feb 70
On and off retinal cells in parallel channel neural communication. Bayly EJ, et al. Kybernetik 8:52-8, Feb 71
Adapting coincidence scalers and neural modelling studies of vision. Grind WA van de, et al. Kybernetik 8:85-105, Mar 71 (73 ref.)
Centrifugal effects in the avian retina. Miles FA. Science 170:992-5, 27 Nov 70
Receptive field mechanism in the vertebrate retina. Naka KI. Science 171:691-3, 19 Feb 71
Neurons of the cat's retina. Shkolnik-Yarros EG. Vision Res 11:7-26, Jan 71
["Desensitization" of cholinergic receptors in the retina] Dettmar P. Acta Biol Med Ger 26:771-7, 1971 (Ger)
[Transfer properties of the cat retina] Korn A, et al. Kybernetik 8:179-88, May 71 (Ger)
[Ion dependence of the retinal receptor potential in Astacus leptodactylus] Stieve H, et al. Z Naturforsch [B] 26:457-70, May 71 (Ger)
[Relation between efferent fibers and dark adaptation of the retina] Trimarchi F. Ann Ottalmol Clin Ocul 94:641-5, Jun 68 (Ita)
[Findings on the retinal and neuromuscular excitability induced by electrostimulation according to the intensity-duration curves in mental patients] Leoni G. Riv Sper Freniatr 93:968-1004, 31 Aug 69 (Ita)
[Studies on the relationship between the blood vessels and the nerve element of the human retina. 2. Perivascular argentophilic structures on the capillary microaneurysms of the retina] Fukuda M. Acta Soc Ophthalmol Jap 75:465-70, 20 Jan 71 (Jap)
[On the centrifugal fiber in the retina] Yamanaka T. Folia Ophthalmol Jap 22:379-83, Jun 71 (Jap)

METABOLISM

Reaction on histones with ammoniacal silver in the developing rat retina. Myśliwski A. Acta Histochem (Jena) 38:88-91, 1970
Transport of neurotubular protein and the effect of colchicine on axonal transport. Karlsson JO, et al. Acta Physiol Scand 11-2, 1970
Experimental retinal detachment in the owl monkey. 8. Photoreceptor protein renewal in early retinal reattachment. Kroll AJ, et al. Am J Ophthalmol 72:356-66, Aug 71
The state of pigment-epithelium lysosomes in the retina of normal rats and those with retinitis pigmentosa. Yates CM, et al. Biochem J 119:57P-58P, Oct 70
Effects of a retinotoxic phenoxyalkane on the visual cycle in rabbit retinae. Reading HW. Biochem Pharmacol 19:1307-13, Apr 70
The effect of flowing and stationary solutions upon retinal sodium diffusion. Buckser S. Comp Biochem Physiol 27:263-73, Oct 68
Assimilation of D and L I-C-14 glucose into the retina, brain and other tissues. Dollery CT, et al. Diabetes 20:519-21, Aug 71
Biosynthesis of UDP N-acetylhexosamine in bovine retina. Tesoriere G, et al. Eur J Biochem 19:289-93, 11 Mar 71
Axoplasmic migration of protein. A light microscopic autoradiographic study in the avian retino-tectal pathway. Schonback J, et al. Exp Brain Res 12:275-82, 1971
Autoradiographic identification of rabbit retinal neurons that take up GABA. Ehinger B. Experientia 26:1063-4, 15 Oct 70
Dopamine: A retinal neurotransmitter. I. Retinal uptake, storage, and light-stimulated release of H3-dopamine in vivo. Kramer SG. Invest Ophthalmol 10:438-52, Jun 71
Dopamine: a retinal neurotransmitter. II. Autoradiographic localization of H3-dopamine in the retina. Kramer SG, et al. Invest Ophthalmol 10:617-24, Aug 71
Peroxidase diffusion in the normal and photocoagulated retina. Peyman GA, et al. Invest Ophthalmol 10:181-9, Mar 71
Electron microscope radioautographic study of glycogen synthesis in the rabbit retina. Magalhães MM, et al. J Cell Biol 47:263-75, Oct 70
Evidence for granulolysis in the retinula cells of a stomatopod crustacean, Squilla mantis. Perrelet A, et al. J Cell Biol 48:684-8, Mar 71
Biosynthesis of retinal phospholipids: incorporation of radioactivity from labeled phosphorylcholine and cytidine diphosphate choline. Swartz JG, et al. J Lipid Res 11:544-50, Nov 70
Metabolism of serotonin by the rat retina in vitro. Cardinali DP, et al. J Neurochem 18:1769-70, Sep 71
Uptake of 3H-gamma-aminobutyric acid (GABA) by rat retina. Goodchild M, et al. J Physiol (Lond) 210:182P+, Sep 70
S-100 protein in embryonic chick retinae. Wenger B, et al. Nature (Lond) 228:1214, 19 Dec 70
Biochemical aspects of the visual process. X. Distribution and movements of ions in the dark-adapted retina of the cuttlefish (Sepia officinalis). Duncan G, et al. Pfluegers Arch 322:264-77, 1971
Biochemical aspects of the visual process. XI. Light-stimulated ion movements in the retina of the cuttlefish (Sepia officinalis). Pont JJ de, et al. Pfluegers Arch 322:278-86, 1971
Regeneration of rhodopsin in the isolated retina of the frog (Rana esculenta). Baumann C. Vision Res 10:627-37, Aug 70
[The metabolism of topographically different areas of the retina in darkness] Weiss H, et al. Albrecht von Graefes Arch Klin Ophthalmol 181:329-34, 1971 (Ger)
[The metabolism of topographically different retinal areas] Weiss H, et al. Albrecht von Graefes Arch Klin Ophthalmol 180:171-81, 1970 (Ger)
[Formazan formation in various areas of pig's retina] Weiss H, et al. Albrecht von Graefes Arch Klin Ophthalmol 182:41-5, 1971 (Ger)
[The phosphatide component of the retina of the growing rabbit] Weiss H, et al. Klin Monatsbl Augenheilkd 159:51-9, Jul 71 (Ger)
[Physiopathology of the retina and vitamin A deficiency] Scialfa A. Ann Ottalmol Clin Ocul 95:1027-40, Dec 69 (Ita)
[Age characteristics of the penetrability and renovation of amino acids (S 35-methionine) in the uveal tract and retina of the eye] Cherevichnaia EV. Oftalmol Zh 25:132-4, 1970 (Rus)
[Changes in the level of adenosine triphosphoric acid in the internal membranes of the eye in electrophoresis] Dobromyslov AN, et al. Vestn Oftalmol 6:57-8, Nov-Dec 70 (Rus)

MICROBIOLOGY

Retinal lesions in subacute sclerosing panencephalitis. Nelson DA, et al. Arch Ophthalmol 84:613-21, Nov 70
[Bacteriostatic properties of the subretinal fluid] Manna F, et al. Klin Oczna 41:39-42, 1971 (Pol)

PATHOLOGY

Diabetic retinopathy with the change of pigmentpathy of the macula luteae, and fleck retina. Kojima K, et al. Acta Soc Ophthalmol Jap 74:1564-9, Dec 70
Pathology of short pulse retinal photocoagulations using the Goldmann contact lens. Marshall J, et al. Albrecht von Graefes Arch Klin Ophthalmol 182:154-69, 1971
A clinicopathologic report on treated retinoblastoma. Biodi FC, et al. Am J Ophthalmol 71:Suppl:193-7, Jan 71
A histopathologic postmortem and clinical study of peripheral retinal folds in infant eyes. Kalina RE. Am J Ophthalmol 71:446-8, Feb 71
Trypsin digest study of retinal metastasis and tumor cell emboli. Levy RM, et al. Am J Ophthalmol 70:778-82, Nov 70
Ocular effects of argon laser radiation. II. Histopathology of chorioretinal lesions. Powell JO, et al. Am J Ophthalmol 71:1267-76, Jun 71
Juxtapapillary retinal pigment epithelial tumor. Adenocarcinoma vs reactive hyperplasia. Graham GC. Arch Ophthalmol 85:299-301, Mar 71
Subacute sclerosing panencephalitis (SSPE). A clinicopathologic study of the retinal lesions. Landers MB 3d, et al. Arch Ophthalmol 86:156-63, Aug 71
Paravascular vitreoretinal attachments. Role in retinal tears. Spencer LM, et al. Arch Ophthalmol 84:557-64, Nov 70
Studies on experimental retinitis. Light and electron microscopy. Barber AN, et al. Br J Ophthalmol 55:91-105, Feb 71
Tumours of the retinal pigment epithelium. Garner A. Br J Ophthalmol 54:715-23, Nov 70
Proliferative retinopathy in non-diabetic patients. Madsen PH. Doc Ophthalmol 29:375-85, 14 May 71
Outer segment production and removal in the degenerating retina of the dystrophic rat. Herron WL Jr, et al. Invest Ophthalmol 10:54-63, Jan 71
The role of the pigment epithelium in the etiology of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71
Patchy retinal degeneration in tetraparental mice. Wegman TG, et al. Nature (Lond) 230:333-4, 2 Apr 71
Ocular changes in premature babies receiving controlled oxygen therapy in the neonatal period. Mushin A. Proc R Soc Med 64:779-80, Jul 71
Pigmented nevi of the choroid. Clinical study of secondary changes in the overlying tissues. Naumann, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:110-23, Jan-Feb 71
Retinopathy in scleroderma. Maclean H, et al.
Trans Ophthalmol Soc UK 89:209-20, 1970
[Uveo-retinal lesions in myotonic dystrophy. Histological study] Houber JP, et al.
Ann Ocul (Paris) 203:1067-76, Dec 70 (Fre)
[Structural and ultra structural modifications of the rabbit chorioretina after cryoapplication] Limon S, et al. Arch Ophtalmol (Paris) 31:331-44, Apr 71 (Fre)
[Progressive facial hemiatrophy (Parry-Romberg disease) with chorioretinal lesions] Detilleux JM, et al. Bull Soc Belge Ophtalmol 156:608-18, 1970 (Fre)
[Histopathologic studies on experimental photocoagulation using the Meyer-Schwickerath-Littmann apparatus and a laser] François J, et al.
Klin Monatsbl Augenheilkd 158:185-206, Feb 71 (Ger)
[Ocular pathological study of diabetes mellitus] Fukuda M.
Acta Soc Ophthalmol Jap 75:524-33, 20 Jan 71 (Jap)
[Histochemical studies on cryoretinopexy] Shirai A.
Acta Soc Ophthalmol Jap 74:1067-73, Sep 70 (Jap)
[Histopathologic studies on the effects produced by experimental retinal photocoagulation. I. Microscopic observation] Uchida H.
Acta Soc Ophthalmol Jap 74:1049-57, Sep 70 (Jap)
[Comparative histopathology of xenon-arc photocoagulation, cryosurgery and diathermy coagulation. An electron microscopic study (preliminary report)] Ikui H, et al.
Folia Ophthalmol Jap 21:764-75, Nov 70 (Jap)
[Changes in the eyes in generalized cytomegaly] Zaftseva RL, et al. Arkh Patol 32:58-61, 1970 (Rus)
[Changes in the choroid and retina of both eyes in a patient with myeloma] Babior SN.
Oftalmol Zh 24:450-1, 1969 (Rus)

PHYSIOLOGY

How the retina works. Melloni BJ.
Am Fam Physician 4:81, Aug 71
Electro-oculography as a test of retinal function. The normal and supernormal EOG. Reeser F, et al.
Am J Ophthalmol 70:505-14, Oct 70
Rhythmic wavelets of the positive off effect in the human electroretinogram. Tsuchida Y, et al.
Am J Ophthalmol 72:60-9, 30 Jul 71
A control for ocular tracking in the demonstration of postretinal visual storage. Parks TE.
Am J Psychol 83:442-4, Sep 70
Form perception without a retinal image. Rock I, et al.
Am J Psychol 82:425-40, Dec 69
Photolysis of the early receptor potential (ERP) in the human retina. Zanen A, et al.
Arch Int Physiol Biochim 78:567-9, Aug 70
Dynamic interactions in the retinal receptive fields and perceptual correlates. Cervetto L, et al.
Arch Ital Biol 108:485-97, Aug 70
Corneal-retinal potential behind closed eyelids. Hetter GP. Arch Otolaryngol 92:433-6, Nov 70
Receptive field properties of directionally selective units in the pigeon's optic tectum. Jassik-Gerschenfeld D, et al.
Brain Res 24:407-21, 18 Dec 70
Retino-geniculate convergence and the analysis of contrast. Maffei L, et al. Brain Res 31:371-2, 20 Aug 71
Neuronal correlates of stimulus orientation and retinal motion and their binocular interaction in the visual cortex of chronic cats. Noda H, et al.
Brain Res 24:558, 18 Dec 70
Visual acuity of the cat's eye and of neurones in the retina and the LGB. Wässle H.
Brain Res 31:371, 20 Aug 71
Responses evoked by intermittent illumination and darkening of a non-uniform field. Lesèvre N, et al.
Electroencephalogr Clin Neurophysiol 30:252, Mar 71
Simultaneous contrast, filling-in process and information processing in man's visual system. Gerrits HJ, et al. Exp Brain Res 11:411-30, 26 Nov 70
Some effects of antidromic stimulation of frog retinal ganglion cells. Shortess GK.
Exp Neurol 29:243-50, Nov 70
The effect of aspartate on the electroretinogram of the vertebrate retina. Hanawa I, et al.
Experientia 26:1311-2, 15 Dec 70
The mode of action of insulin upon the electrical activity of mammalian retinas in vitro. Honda Y.
Experientia 27:395-6, 15 Apr 71
Some physiologic correlations between labyrinth and retina. Shapiro SL.
Eye Ear Nose Throat Mon 49:469-72, Oct 70
The electrically evoked response of the visual system (EER). 3. Further contribution to the origin of the EER. Potts AM, et al.
Invest Ophthalmol 9:814-9, Oct 70
Electrical and psychophysical responses of the human visual system to periodic variation of luminance. Sokol S, et al. Invest Ophthalmol 10:171-80, Mar 71
Human factors in operating systems related to delay and displacement of retinal feedback. Putz V, et al.
J Appl Psychol 55:9-21, Feb 71
Delayed retinal feedback of eye movements: a dynamic basis of perceptual disabilities. Smith KU, et al.
J Appl Psychol 54:538-48, Dec 70
The osmotic behavior of rod photoreceptor outer segment discs. Heller J, et al.
J Cell Biol 48:633-49, Mar 71
The visual mechanisms of Tenebrio molitor: changes in the electroretinogram as function of the stimulus duration. Yinon U. J Exp Biol 54:737-44, Jun 71
Visual adaptation in the retina of the skate. Dowling JE, et al. J Gen Physiol 56:491-520, Oct 70
S-potentials in the skate retina. Intracellular recordings during light and dark adaptation. Dowling JE, et al. J Gen Physiol 58:163-89, Aug 71
Photoreceptor potentials of opposite polarity in the eye of the scallop, Pecten irradians. McReynolds JS, et al. J Gen Physiol 56:376-91, Sep 70
Membrane conductances and spectral sensitivities of Pecten photoreceptors. McReynolds JS, et al.
J Gen Physiol 56:392-406, Sep 70
The dynamic characteristics of color-coded S-potentials. Spekreijse H, et al.
J Gen Physiol 56:1-15, Jul 70
Retinal vs. phenomenal determinants of the horizontal-vertical illusion. Begelman DA, et al.
J Gen Psychol 85:77-85, Jul 71
Symposium on alternation of response. II. Flicker. Nelson TM, et al. J Gen Psychol 84:35-79, Jan 71
The effect of retinal orientation on the recognition of novel and familiar shapes. Steinfeld GJ.
J Gen Psychol 82:223-39, Apr 70
Transport of microtubular protein in axons of retinal ganglion cells. Karlsson JO, et al.
J Neurochem 18:975-82, Jun 71
Avian retina. I. Microelectrode depth and marking studies of local ERG. Ogden TE, et al.
J Neurophysiol 34:357-66, May 71
Avian retina. II. An evaluation of retinal electrical anisotropy. Ogden TE, et al.
J Neurophysiol 34:367-73, May 71
Nasotemporal overlap in visual field projected to lateral geniculate nucleus in the cat. Sanderson KJJ, et al. J Neurophysiol 34:453-66, May 71
Adaptation in a vertebrate retina: intracellular recording in Necturus. Werblin FS.
J Neurophysiol 34:228-41, Mar 71
Photochromatic intervals as a function of retinal eccentricity for stimuli of different size. Spillmann L, et al. J Opt Soc Am 61:267-70, Feb 71
Brightness distribution across the mach bands measured with flicker photometry, and the linearity of sensory nervous interaction. Von Békésy G.
J Opt Soc Am 58:1-8, Jan 68
Model of retinal receptive fields. Zaciu RC, et al.
J Opt Soc Am 60:1528-30, Nov 70
Electrical responses of single cones in the retina of the turtle. Baylor DA, et al.
J Physiol (Lond) 207:77-92, Mar 70
Retinal disparity and retinal dominance of binocular cortical neurones. Blakemore C, et al.
J Physiol (Lond) 210:157P+, Sep 70
Quantitative aspects of gain and latency in the cat retina. Cleland BG, et al.
J Physiol (Lond) 206:73-91, Jan 70
Impedance changes across the outer segment layer of the isolated frog retina in response to flashes of light. Coles JA. J Physiol (Lond) 216:17P-19P, Jul 71
Retinotectal projection in half eyes in the adult newt, Triturus vulgaris. Cronly-Dillin JR, et al.
J Physiol (Lond) 216:62P-63P, Jul 71
The re-establishment of retinotectal projections after uncrossing the optic chiasma in Xenopus laevis with one compound eye. Gaze RM, et al.
J Physiol (Lond) 207:51P-52P, Apr 70
The retinotectal projection from a double-ventral compound eye in Xenopus. Gaze RM, et al.
J Physiol (Lond) 214:37P-38P, Apr 71
A computer programme for simulating the neural networks of the retina and visual pathways. Goddard AM, et al. J Physiol (Lond) 216:13P-14P, Jul 71
Regional variations in the visual acuity for interference fringes on the retina. Green DG.
J Physiol (Lond) 207:351-6, Apr 70
How a peripheral retinal ganglion cell responds differentially to focused and defocused images. Hill RM, et al. J Physiol (Lond) 215:20P-21P, May 71
Receptive properties of centrifugal cells projecting to the pigeon retina. Holden AL.
J Physiol (Lond) 210:155P, Sep 70
Proximal negative response in the pigeon retina. Holden AL. J Physiol (Lond) 213:35P, Mar 71
The course of recovery of the retinotectal projection during regeneration of the fish optic nerve. Horder TJ. J Physiol (Lond) 217:53P-54P, Aug 71
Striate and extra-striate origins of pattern-related visual evoked potential (VEP) components. Jeffreys DA. J Physiol (Lond) 211:Suppl:29P+, Dec 70
Physiological and morphological identification of horizontal, bipolar and amacrine cells in goldfish retina. Kaneko A. J Physiol (Lond) 207:623-33, May 70
Electrical connexions between horizontal cells in the dogfish retina. Kaneko A.
J Physiol (Lond) 213:95-105, Feb 71
Responses of cat retinal ganglion cells to brief flashes of light. Levick WR, et al.
J Physiol (Lond) 206:677-700, Mar 70
Responses to directional stimuli in retinal preganglionic units. Norton AL, et al.
J Physiol (Lond) 206:93-107, Jan 70
Rod-dependent intracellular responses to light recorded from the pigment epithelium of the cat retina. Schmidt R, et al.
J Physiol (Lond) 217:71-91, Aug 71
Interaction between colour and spatial coded processes converging to retinal ganglion cells in goldfish. Spekreijse H, et al. J Physiol (Lond) 215:679-92, Jul 71
Incremental responses to light recorded from pigment epithelial cells and horizontal cells of the cat retina. Steinberg RH. J Physiol (Lond) 217:93-110, Aug 71
Distance effects in human scotopic retinal interaction. Westheimer G, et al.
J Physiol (Lond) 206:129-43, Jan 70
Invariant features of spatial summation with changing locus in the visual field. Wilson ME.
J Physiol (Lond) 207:611-22, May 70
Sensitivity and spontaneous activity in the cat's retina. Barlow HB. J Physiol Soc Jap 32:543-4, Aug 70
Organization of the vertebrate retina. Dowling JE.
J Physiol Soc Jap 32:546-7, Aug 70
Interactions of retinal cells in visual adaptation. Leibovic KN. J Theor Biol 28:507-12, Sep 70
The transformation induced by light stimulus on the retinal discharge: study of the interval distribution at high frequencies of sinusoidal stimulation. Gestri G, et al. Kybernetik 6:171-6, Jan 70
Models of the processing of quantum signals by the human peripheral retina. Grind WA van de, et al.
Kybernetik 6:213-27, Feb 70
Models of retinal signal processing at high luminances. Koenderink JJ, et al. Kybernetik 6:227-37, Feb 70
The retinal ON-OFF components giving rise to the delayed response. Pickering SG, et al.
Kybernetik 8:145-50, Apr 71
A dynamic model of the vertebrate retina. Yasuda M.
Kybernetik 9:26-30, Jul 71
Visual sensations produced by single fast particles. Charman WN, et al. Nature (Lond) 230:522-4, 23 Apr 71
Can a peripheral retinal ganglion cell respond differentially to images in or out of focus? Ikeda H, et al. Nature (Lond) 229:557-8, 19 Feb 71
Simultaneous recording of input and output of lateral geniculate neurones. Cleland BG, et al.
Nature [New Biol] 231:191-2, 9 Jun 71
Experiments concerning the cancellation theory of visual direction constancy. Klein HM.
Naturwissenschaften 57:456, Sep 70
Role of lateral inhibitory interaction in color coding. Brigner WL. Percept Mot Skills 32:451-68, Apr 71
Retinal size in the visual cliff situation. Somervill JW, et al. Percept Mot Skills 31:903-11, Dec 70
Some influences of visual angle and retinal speed on measures of the spiral aftereffect. Williams MJ, et al.
Percept Mot Skills 30:215-27, Feb 70
Interaction of excitation and direct inhibition in the receptive field center of retinal neurons. Büttner C, et al. Pfluegers Arch 322:1-21, 1971
Timing properites and temporal summation in the retina. Scheich H, et al. Pfluegers Arch 327:16-36, 1971
Foveal perceptive fields in the human visual system measured with simultaneous contrast in grids and bars. Spillmann L. Pfluegers Arch 326:281-99, 1971
On the characteristic of the double B-wave component induced by nembutal in chicks. Ookawa T.
Poult Sci 49:1740-1, Nov 70
Superposition of excitatory and inhibitory influences in the retina of Limulus: effect of delayed inhibition. Ratliff F, et al.
Proc Natl Acad Sci USA 67:1558-64, Nov 70
The dynamic response of a photoreceptor. Dodge FA Jr.
Progr Brain Res 33:101-12, 1970
The ipsilateral retinotectal pathway in the frog. Keating MJ, et al. Q J Exp Physiol 55:284-92, Oct 70
Retinal image or perceived features as determinants of error in geometric illusions? Horrell RI.
Q J Exp Psychol 23:97-106, Feb 71
On-transient of insect electroretinogram: its cellular origin. Alawi AA, et al. Science 172:1055-7, 4 Jun 71
Dendritic-tree anatomy codes form-vision physiology in tadpole retina. Pomeranz B, et al.
Science 170:963-4, 27 Nov 70
Extracellular recordings from human retinal ganglion cells. Weinstein GW, et al.
Science 171:1021-2, 12 Mar 71
The photochemical approach to visual problems. Dartnall HJ. UCLA Forum Med Sci 8:235-56, 1969
Inhibitory interaction in the retina. Hartline HK.
UCLA Forum Med Sci 8:297-317, 1969
Light and dark adaptation of the retina. Rushton WA.
UCLA Forum Med Sci 8:257-80, 1969

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The molecular basis of human vision. Wald G. UCLA Forum Med Sci 8:281-95, 1969
Flash photolysis of rhodopsin in the isolated frog retina. Baumann C. Vision Res 10:789-98, Sep 70
Effects of temperature change on the catfish S-potentials. Charlton JS, et al. Vision Res 10:1119-26, Nov 70
Binocular addition of the visually evoked response with different stimulus intensities in man. Cigánek L. Vision Res 10:479-87, Jun 70
The e-wave and inhibition in the developing retina of the frog. Crescitelli F. Vision Res 10:1077-91, Nov 70
Visual conspicuity, directed attention and retinal locus. Engel FL. Vision Res 11:563-76, Jun 71
The 2 component of the vitreal -wave and its intraretinal localization in the frog retina. Fatehchand R. Vision Res 11:489-500, Jun 71
An improved method for plotting retinal landmarks and focusing the eyes. Fernald R, et al. Vision Res 11:95-6, Jan 71
Evoked cortical responses to checkerboard patterns: effect of check-size as a function of retinal eccentricity. Harter MR. Vision Res 10:1365-76, Dec 70
A possible behavioral correlate of delayed retinal discharge in anurans. Ingle D. Vision Res 11:167-8, Feb 71
Variation of the visual threshold with retinal location. I. The central 20 degrees of visual field. Kishto BN. Vision Res 10:745-61, Aug 70
Nonlinear-linear transition in the frog intraretinal electroretinogram. Levett J. Vision Res 10:1347-53, Dec 70
Smearing of the retinal image during voluntary saccadic eye movements. Mitrani L, et al. Vision Res 10:405-9, May 70
Electroretinogram determinations of spectral sensitivity in a teleost fish adapted to different daylengths. Northmore DP, et al. Vision Res 10:799-816, Sep 70
The dynamics of inhibitory interaction in a frog receptive field: a paradigm of paracontrast. Nye PW, et al. Vision Res 11:377-92, May 71
Receptive fields of rat retinal ganglion cells. Partridge LD, et al. Vision Res 10:455-60, Jun 70
Visual latencies at photopic levels of retinal illuminance. Prestrude AM. Vision Res 11:351-61, Apr 71
Temporal and strength characteristics of the ganglion cells activity in the cat retina. Shevelev IA, et al. Vision Res 10:1355-64, Dec 70
A test of the McIlwain effect in man. Spillman L, et al. Vision Res 11:751-3, Jul 71
Dichroism in the retina at -196 degrees C. Strackee L. Vision Res 10:925-38, Oct 70
A comment on the role of choroidal papillae in the fruit bat retina. Suthers RA. Vision Res 10:921-3, Sep 70
On modelling neural networks in the retina. Tate C, et al. Vision Res 11:617-33, Jul 71
Sensitization by annular surrounds: individual differences. Teller DY, et al. Vision Res 10:1045-55, Oct 70
Sensitization by annular surrounds: spatial summation properties. Teller DY, et al. Vision Res 10:549-61, Jul 70
Transient and steady state stimulus-response relations for cat retinal ganglion cells. Winters RW, et al. Vision Res 10:461-77, Jun 70
[Evoked responses to visual stimuli in the projection and associative (parietal) areas of the cat cerebral cortex] Orlova TV. Zh Vyssh Nerv Deiat 21:597-602, May-Jun 71
[Photoreceptor potentials in normal man] Zanen A, et al. Arch Int Physiol Biochim 79:191-2, Jan 71 (Fre)
[Clinical electrophysiology of the retina and the visual cortex] Perdriel G. Arch Ophtalmol (Paris) 31:287-304, Mar 71 (Fre)
[Quantum theory of vision] Calvet H. Bull Mem Soc Fr Ophtalmol 81:615-24, 1968 (Fre)
[On a new physiologic correspondence between pupillary muscular dynamics and retinal neurologic stimuli] Calvet H. Bull Mem Soc Fr Ophtalmol 83:593-601, 1970 (Fre)
[Monocular deprivation of visual stimulation and development and metabolism of the retina and primary optic centers in the newborn animal] Maraini G, et al. Bull Mem Soc Fr Ophtalmol 82:142-6, 1969 (Fre)
[Comparison between the early (ERP) and the delayed retinal potentials in normal persons] Debecker J, et al. Bull Soc Belge Ophtalmol 151:342-50, Mar 69 (Fre)
[Practical value of the study of visual evoked potentials] Rouher F, et al. Bull Soc Ophtalmol Fr 68:432-43, Apr 68 (Fre)
[Effects of a polarizing current on the ON-OFF responses of ganglionic cells of the retina in the cat] Hénane R, et al. C R Soc Biol (Paris) 164:1738-43, 1970 (Fre)
[Effects of electric polarization on the activity of retinal ganglion cells in the cat] Henane R, et al. C R Soc Biol (Paris) 164:1519-23, 1970 (Fre)
[Origin of the depolarizing postpotential of the retinal cell of the drone in response to a strong illumination] Baumann F, et al. J Physiol (Paris) 62:Suppl 3:342-3, 1970 (Fre)
[Unitary visual responses in the trout; preliminary results] Galand G, et al. J Physiol (Paris) 1:Suppl 1:132-3, 1969 (Fre)
[Retinal polarization and activity of cells in cats] Henane R, et al. J Physiol (Paris) 62:Suppl 2:286, 1970 (Fre)
[Oscillating electroretinographic response of 5 species of flies] Fouchard R, et al. Vision Res 10:655-69, Aug 70 (Fre)
[Determination of the summation exponent by measuring the critical fusion frequency] Lavergne G, et al. Vision Res 10:351-8, Apr 70 (Fre)
[Behavior of the b-wave in the electroretinogram of the frog under the effect of serial light flashes of varying intensity] Berger H, et al. Acta Biol Med Ger 25:583-91, 1970 (Ger)
[Photically and electrically evoked after-discharges in the visual cortex of rat prior to and following lesions in the visual system] Kohler M, et al. Acta Biol Med Ger 26:697-710, 1971 (Ger)
[Experimental and theoretical study on filter-like properties of the human retina for frequencies in electric current impulses] Meier-Koll A. Biomed Tech (Stuttg) 16:94-8, 3 Jun 71 (Ger)
[Invariances in the cat's retina: principles in the relations between sensitivity, size and position of receptive fields of ganglion cells] Fischer B, et al. Exp Brain Res 11:448-64, 1970 (Ger)
[Mathematical formulation for stimulus-response relationships of retinal ganglion cells] Fischer B, et al. Kybernetik 7:160-6, Sep 70 (Ger)
[Perceptual processes in the coordinate system of the retina and the viewed space. Study on the problem of direction stability using figural aftereffects] Crabus H, et al. Psychol Forsch 34:325-42, 1971 (Ger)
[The effect of apparent size difference on the movement threshold with synchronized size of the stimulated area of the retina] Kano C. Psychol Forsch 33:242-53, 1970 (Ger)
[Comparative studies, on isolated layers of retinas of warm-blooded animals, of the intraretinal behavior of slow stimulus potentials and the electroretinogram. II. Influence of the stimulation parameter on the light-adapted retina] Hanitzsch R. Vision Res 10:1011-23, Oct 70 (Ger)
[Comparative studies, on isolated layers of retinas of warm-blooded animals, of the intraretinal behavior of slow stimulus potentials and the electroretinogram. I. Influence of the stimulation parameter on the dark-adapted retina] Hanitzsch R. Vision Res 10:993-1009, Oct 70 (Ger)
[The electronic-flash ERG of isolated retinas of warm-blooded animals. I. Initial positive waves of the flash ERG] Lützow A von. Vision Res 10:1025-33, Oct 70 (Ger)
[The electronic-flash ERG of isolated retinas of warm-blooded animals. II. Influence of intensity and temperature on the positive waves] Lützow A von. Vision Res 10:1035-43, Oct 70 (Ger)
[The cycle of retino-cortical recovery in man] Bergamasco B, et al. Acta Neurol (Napoli) 24:445-54, May-Jun 69 (Ita)
[Pupillographic examination as a means of studying the functional state of the retina and primary optic tracts. I. Examination method] Morone G, et al. Ann Ottalmol Clin Ocul 95:761-71, Sep 69 (Ita)
[Ernst Mach and the origin of neurophysiology of the retina] (Mach E), Wirth A. Ann Ottalmol Clin Ocul 95:1-5, Jan 69 (Ita)
[Apparatus for measuring the difference of retinal latency in the two eyes during the Pulfrich effect. Pulfrich effect] Daniele Sargentini A, et al. Boll Ocul 48:859-66, Nov 69 (Ita)
[Persistence and morphology of post-images in normal subjects as a function of the wave length of the stimuli] Schiavi L, et al. Riv Otoneurooftalmol 44:1-34, Jan-Feb 69 (Ita)
[The relationship between pupillary light reflex and retinal receptor] Yamamoto T. Acta Soc Ophthalmol Jap 75:777-82, 20 Jan 71 (Jap)
[Recent trend in studies of retinal S-potential] Negishi K. Folia Ophthalmol Jap 22:349-66, Jun 71 (71 ref.) (Jap)
[A system for the measurement of active potential distribution in the retina] Tamura O. Folia Ophthalmol Jap 22:367-70, Jun 71 (Jap)
[Electrophysiological studies of the visual organs and tracts] Yonemura D. Folia Ophthalmol Jap 22:1, Jan 71 (Jap)
[Studies of the capacity of adaptation of the neuroretina in conditions of high-altitude hypoxia (aviators)] Popescu MP, et al. Fiziol Norm Patol 17:65-76, 1971 (Rum)
[Are the S-potentials of color-type in the turtle retina related to the filter mechanism of color vision] Byzov AL, et al. Biofizika 16:294-8, Mar-Apr 71 (Rus)
[Photo-EMF of the retina in a vacuum] Demirchoglian GG. Biofizika 14:571-4, May-Jun 69 (Rus)
[Characteristics of the background activity of cat retina ganglia and lateral geniculate body neurons at various levels of constant light] Kostelianets NB, et al. Biofizika 15:931-4, Sep-Oct 70 (Rus)
[Effect of intracellular polarization of horizontal cells of the activity of ganglionic cells of fish retina] Maksimova EM. Biofizika 14:537-44, May-Jun 69 (Rus)
[Saturation of S-potentials of fish retina. Bicomponent reactions] Maksimova EM, et al. Biofizika 14:905-13, Sep-Oct 69 (Rus)
[Saturation of S-potentials of fish retina. The L-type reaction] Maksimova EM, et al. Biofizika 14:731-9, Jul-Aug 69 (Rus)
[Photoconductivity of the pigment epithelium of the eye] Trukhan EM, et al. Biofizika 15:1052-5, Nov-Dec 70 (Rus)
[Electrical and spectral properties of optic cells of the grasshopper (Tettigonia) and the cricket (Gryllus)] Vishnevskaia TM, et al. Biofizika 14:151-7, Jan-Feb 69 (Rus)
[Lateral inhibition in frog retina in conditions of dark adaptation] Zenkin GM, et al. Biofizika 14:914-20, Sep-Oct 69 (Rus)
[Detector properties of ganglion cells of pike retina] Zenkin GM, et al. Biofizika 14:722-30, Jul-Aug 69 (Rus)
[Restoration of function in the regenerating retina of the anuran tadpole] Dabagian NV, et al. Dokl Akad Nauk SSSR 185:957-60, 1 Apr 69 (Rus)
[Disorders regulation of fiber formation in the crystalline lens of grass frog tadpoles following removal of the retina] Sokolova ZA, et al. Dokl Akad Nauk SSSR 194:1229-32, 1970 (Rus)
[Functional properties of the receptive field of the retina in different adaptation conditions] Bertulis AV, et al. Fiziol Zh SSSR 57:420-6, Mar 71 (Rus)
[Effect of acoustic stimulation on the electroretinogram in man] Gavriiski VS. Fiziol Zh SSSR 56:1215-8, Sep 70 (Rus)
[Functional organization of the visual analyzer of the tortoise] Gusel'nikov VI, et al. Fiziol Zh SSSR 56:1377-85, Oct 70 (Rus)
[Changes in the bioelectrical activity in the visual system, and in the anterior ectosylvian region of the cat cortex in the presence of vestibular stimulation] Meshman VF. Fiziol Zh SSSR 56:1570-8, Nov 70 (Rus)
[Photochemical and bioelectric processes in the retina following intensive impulse photostimulation] Obukhova EA, et al. Fiziol Zh SSSR 56:1745-9, Dec 70 (Rus)
[Effect of sympathectomy on the bioelectric activity of the rabbit eye] Shostak VI, et al. Fiziol Zh SSSR 57:410-3, Mar 71 (Rus)
[A study of transitional processes in the frog retina] Bykov KA, et al. Nerv Sist 9:141-50, 1968 (Rus)
[Dynamics of DNA synthesis in pigment epithelium cells of adult tritons during regeneration of the eye following resection of the optic nerve and blood vessels] Mitashov VI. Tsitologiia 12:1521-9, Dec 70 (Rus)
[Disorders of fiber formation in the crystalline lens of tadpoles following partial removal of the retina] Farberov AI, et al. Zh Obshch Biol 31:481-9, Jul-Aug 70 (Rus)
[Local changes in excitability of the visual analyzer in the after effects of point photic stimuli] Chuprikova NI. Zh Vyssh Nerv Deiat 20:1204-11, Nov-Dec 70 (Rus)
[Background activity and rhythmic activity evoked by photic stimulation in the ganglion cells of the cat retina] Fokin VF, et al. Zh Vyssh Nerv Deiat 19:661-70, Jul-Aug 69 (Rus)
[Bioelectric activity of the rabbit retina upon intensive photostimulation] Shostak VI, et al. Zh Vyssh Nerv Deiat 20:1059-63, Sep-Oct 70 (Rus)
[Some characteristics of the activity of retinal neural elements in cats subject to the action of flickering light] Uvarov VG, et al. Zh Vyssh Nerv Deiat 21:592-6, May-Jun 71 (Rus)

PHYSIOPATHOLOGY

Long-term changes in the ERG following transection of the optic nerve in the rabbit. Borg E, et al. Acta Physiol Scand 82:277-81, Jun 71
Intraocular effects on flashblindness. II. Parafoveal recovery. Chisum GT. Aerosp Med 42:31-5, Jan 71
The management of small-angle esotropia with abnormal retinal correspondence. Christian P. Am Orthopt J 21:92-5, 1971
Receptive field function in stimulus deprivation amblyopia. Flynn JT. Am Orthopt J 21:7-14, 1971
"Refracting" a single retinal ganglion cell. Hill RM, et al. Arch Ophthalmol 85:592-6, May 71
The central and peripheral retina in macular degenerations. Involvement as reflected by the electroretinogram. Merin S, et al. Arch Ophthalmol 84:710-8, Dec 70
Oscillatory potentials: a clinical study in diabetics. Brunette JR, et al. Can J Ophthalmol 5:373-80, Oct 70
Enhanced retinal responses without signs of optic nerve involvement. Feinsod M, et al. Doc Ophthalmol 29:201-11, 14 May 71
Combined ERG, VER and EEG in babies and children with visual disorders. Harden A, et al. Electroencephalogr Clin Neurophysiol 30:367, Apr 71
Electroretinographic and EEG findings in the Lawrence-Moon-Bardet-Biedl syndrome. Stănescu B, et al. Electroencephalogr Clin Neurophysiol 30:364-5, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effect of essential fatty acid deficiency on the fatty acid composition, morphology, and electroretinographic response of the retina. Futterman S, et al. Invest Ophthalmol 10:151-6, Feb 71
Deformations and thickness variations accompanying spreading depression in the retina. Castro G de O, et al. J Neurophysiol 33:891-900, Nov 70
Corneo-retinal potentials in severe brain damage. Park DM. Lancet 2:933-4, 31 Oct 70
Vitamin A deficiency effect on retina: dependence on light. Noell WK, et al. Science 172:72-5, 2 Apr 71
Clinical adaptation studies of the human retina. Campbell CJ, et al.
UCLA Forum Med Sci 8:513-44, 1969
Visual field defects in retinal disease. Harrington DO.
UCLA Forum Med Sci 8:485-512, 1969
[Organ changes in severe hypertension and the degree to which these can be influenced by medical treatment] Dorph S, et al.
Ugeskr Laeger 132:1961-5, 15 Oct 70 (Dan)
[Technical notes. (Examination of the retinal correspondence, treatment of incomitant strabismus with prisms)] Pigassou-Albouy R, et al.
Bull Soc Ophtalmol Fr 70:351-8, Mar 70 (Fre)
[Case of tapetal reflex with inverse Mizuo phenomenon] Ricci A.
Bull Soc Ophtalmol Fr 68:459-61, Apr 68 (Fre)
[Behavior of anomalous retinal correspondence in subjects with strabismus exposed to surgery: variants induced by the changes proprioceptivity] Schiavi L, et al. Ann Ottalmol Clin Ocul 95:471-90, Jun 69 (Ita)
[Electroretinography in senile cataract] Trimarchi F, et al. Ann Ottalmol Clin Ocul 94:700-4, Jun 68 (Ita)
[A rare case of recording of potentials of the retina and optic nerve in man during enucleation of the eye] Demirchoglian GG, et al.
Zh Eksp Klin Med 7:110-3, 1967 (Rus)

RADIATION EFFECTS

Ophthalmologic observations on long-term survivors after radiotherapy for nasopharyngeal tumours. Schryver A de, et al.
Acta Radiol [Ther] (Stockh) 10:193-209, Apr 71
Toxic effect of thermal neutrons on the rabbit electroretinogram. Krohn DL, et al.
Am J Ophthalmol 70:814-21, Nov 70
The effects of lasers on the eye. Campbell CJ, et al.
Ann NY Acad Sci 168:627-33, 10 Feb 69
Post-radiation retinopathy. A fluorescence fundus angiographic study. Hayreh SS.
Br J Ophthalmol 54:705-14, Nov 70
Retinal hazards during laser irradiation of the iris. Watts GK. Br J Ophthalmol 55:60-7, Jan 71
Flashes in astronaut's eyes. Br Med J 4:510, 28 Nov 70
Chorioretinal temperature increases from solar observation. White TJ, et al.
Bull Math Biophys 33:1-17, Mar 71
Chorioretinal thermal behavior. White TJ, et al.
Bull Math Biophys 32:315-22, Sep 70
Ocular effects of argon laser radiation. I. Retinal damage threshold studies. Bresnick GH, et al.
Invest Ophthalmol 9:901-10, Nov 70
Chorioretinal diffusion of peroxidase before and after photocoagulation. Peyman GA, et al.
Invest Ophthalmol 10:489-95, Jul 71
Pathogenesis of radiation-induced retinal dysplasia. Shively JN, et al. Invest Ophthalmol 9:888-900, Nov 70
Generation of Cherenkov light flashes by cosmic radiation within the eyes of the Apollo astronauts. Fazio GG, et al. Nature (Lond) 228:260-4, 17 Oct 70
Receptive field mechanism in the vertebrate retina. Naka KI. Science 171:691-3, 19 Feb 71
Ultrastructural studies on rat retina damaged by visible light. Hansson HA.
Virchows Arch [Zellpathol] 6:247-62, 1970
[Several characteristics of the electroretinogram in dogs x-irradiated during embryogenesis] Piontkovskif IA, et al.
Radiobiologiia 10:710-4, Sep-Oct 70 (Rus)

RADIOGRAPHY

[Fluoroangiographic study of traumatic chorioretinal angiopathy] François J, et al.
Bull Soc Belge Ophtalmol 156:577-89, 1970 (Fre)
[Clinical value of chorioretinal angiofluorography: apropos various cases] Ardouin M, et al.
Bull Soc Ophtalmol Fr 69:123-31, Jan 69 (Fre)
[The normal and the pathological papilla. Study using retinofluoresceinography] Alezzandrini AA, et al.
Arch Oftalmol B Aires 45:1-88, Jan-Feb 70 (Spa)

SURGERY

The mechanism of the cryosurgical adhesion. 3. Statistical analysis. Bloch D, et al.
Am J Ophthalmol 71:666-73, Mar 71
Instrument cabinet for retinal surgery. Hovland KR.
Am J Ophthalmol 71:1335-7, Jun 71
The mechanism of the cryosurgical adhesion. IV. Electron microscopy. Lincoff H, et al.
Am J Ophthalmol 71:674-89, Mar 71
Retinal effects of ruby laser photocoagulation. Microelectrode recordings in the rabbit. Banyard RD, et al. Arch Ophthalmol 85:107-10, Jan 71
Retinal tear extension through the cryosurgical scar. Delaney WV Jr. Br J Ophthalmol 55:205-9, Mar 71
Experimental transscleral freezing at temperatures ranging from -20 to -160 degrees C. Brihaye M, et al.
Doc Ophthalmol 28:133-65, 24 Jul 70
The swelling implant. Refojo MF.
J Biomed Mater Res 5:179-88, 1971
The management of retinal angiomatosis. Sellors PJ, et al. Trans Ophthalmol Soc UK 89:529-43, 1970
The use of intravitreal air for the therapy of giant retinal tears. Fung WE, et al.
Trans Pac Coast Otoophthalmol Soc 50:59-65, 1969 (2 ref.)
[Cryocoagulation treatment of retinoschisis] Haut J, et al. Bull Soc Ophtalmol Fr 69:542-3, May-Jun 69 (Fre)
[Further applications of operation microscopes] Draeger J.
Ber Dtsch Ophthalmol Ges 70:89-93, 1970 (Ger)
[Experimental transscleral cryocoagulation of the retina] Brihaye M, et al.
Klin Monatsbl Augenheilkd 158:171-84, Feb 71 (Ger)
[Studies on the cryoretinopexy. Thermo-electric investigations in the cryoretinopexy] Saito T.
Acta Soc Ophthalmol Jap 74:1065-6, Sep 70 (Jap)
[Histochemical studies on cryoretinopexy. 2] Shiral A.
Acta Soc Ophthalmol Jap 75:1097-102, Mar 71 (Jap)
[Experimental studies on cryoretinopexy. 2. Fluorescein fundus angiography] Sugita T.
Folia Ophthalmol Jap 21:696-705, Oct 70 (Jap)

TRANSPLANTATION

Influence of mouse neural retina on regeneration of chick neural retina from chick embryonic pigmented epithelium. Coulombre JL, et al.
Nature (Lond) 228:559-60, 7 Nov 70
[Tissue transplantations in retinal surgery and keratoprosthetics] Niedermeier S.
Klin Monatsbl Augenheilkd 158:299, Feb 71 (Ger)
[Behavior of the retinal pigmented epithelium grafted on the chorioallantoid membrane] Marraro Carnazza ML. Boll Soc Ital Biol Sper 45:1434-6, 30 Nov 69 (Ita)

RETINAL DEGENERATION (C11)

see also related
AMAUROTIC FAMILIAL IDIOCY (C10, C13, F2)

[Value of fluorescein angiography for fundus flavimaculatus] Amalric P, et al.
Bull Mem Soc Fr Ophtalmol 81:537-50, 1968 (Fre)
[Vitelliform degenerescence] François P, et al.
Bull Mem Soc Fr Ophtalmol 82:363-8, 1969 (Fre)
[On a case of pigmented retinopathy] Guyard M.
Bull Soc Ophtalmol Fr 69:164-71, Feb 69 (Fre)
[On a case of pigmented paravenous chorio-retinal degeneration] Panagis P, et al.
Ann Ottalmol Clin Ocul 95:519-26, Jun 69 (Ita)
[On an unusual case of tapetoretinal degeneration associated with a lemellar macular hole] Bardelli AM, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1518-20, 1968 (Ita)
[Review of literature on retina. Retinal degeneration (1969)] Mizuno K, et al.
Ophthalmology (Tokyo) 12:889-900, Nov 70 (230 ref.) (Jap)
[Spielmeyer-Vogt disease. 2 cases] Dantas AM, et al.
Rev Bras Oftalmol 30:87-95, Mar 71 (Por)
[Electroretinoencephalographic changes in tapeto-retinal degeneration] Stănescu B, et al.
Stud Cercet Neurol 15:297-309, 1970 (Rum)
[Etiopathogenesis and clinical aspects of certain forms of tapeto-retinal degeneration] Novokhatskif AS, et al. Oftalmol Zh 25:519-21, 1970 (Rus)
[2 cases of choroideremia] Dachevskaia NP, et al.
Vestn Oftalmol 1:89-90, Jan-Feb 70 (Rus)

BLOOD

[Toxic action of hemoglobin on the vitreous body and retina] Regnault F.
Bull Mem Soc Fr Ophtalmol 81:102-11, 1968 (Fre)

CHEMICALLY INDUCED

A preliminary study of the effect of chloroquine on the rat retina. Hodgkinson BJ, et al.
Arch Ophthalmol 84:509-15, Oct 70
[Experimental study on the effect of sodium iodo-acetate on electroretinograms and electrooculograms of rabbits] François J, et al.
Ann Ocul (Paris) 202:637-42, Jun 69 (Fre)
[Retinal degeneration in 2 children following preventive antimalarial treatment of the mother during pregnancy] Paufique L, et al.
Bull Soc Ophtalmol Fr 69:466-7, Apr 69 (Fre)
[Oculo-neuro-myopathic syndrome due to chloroquine intoxication] Berato J, et al.
Rhumatologie 21:123-5, Apr 69 (Fre)

CLASSIFICATION

[Classification of degenerative disorders of the macula] Babel J, et al.
Arch Oftalmol B Aires 45:329-34, Aug 70 (Spa)

COMPLICATIONS

Massive subretinal exudation associated with senile macular degeneration. Blair CJ, et al.
Am J Ophthalmol 71:639-48, Mar 71
Chronic progressive external ophthalmoplegia and pigmentary degeneration of the retina. Mills PV, et al.
Br J Ophthalmol 55:302-11, May 71
Peripheral retinal degeneration in high myopia. Kirker GE, et al. Can J Ophthalmol 6:58-61, Jan 71
Dystrophia retinae pigmentosa--dysacusis syndrome (DRD): a study of the Usher- or Hallgren syndrome. Nuutila A. J Genet Hum 18:57-88, May 70
Retinal breaks in primary retinal detachment. Szczypiński J. Pol Med J 9:1550-8, 1970
Two families with tapetoretinal degeneration having unusual features. Garston JB, et al.
Trans Ophthalmol Soc UK 90:195-206, 1970
[Chorioretinal lesions and vitreous changes predisposing to retinal detachment] François J.
Annee Ther Clin Ophtalmol 20:113-48, 1969 (Fre)
[Lesions predisposing to retinal detachment] Urrets-Zavalia A Jr.
Annee Ther Clin Ophtalmol 20:11-34, 1969 (Fre)
[Senior-Löken retino-tubular degeneration] Saraux H, et al. Arch Ophtalmol (Paris) 30:683-96, Oct 70 (Fre)
[Retinal abnormalities associated with nephronophthisis] Perdriel G, et al.
Bull Soc Ophtalmol Fr 70:659-63, May-Jun 70 (Fre)
[Severe unilateral myopia with bilateral degeneration of the central retina] Vérin P.
Bull Soc Ophtalmol Fr 70:415-9, Mar 70 (Fre)
[Simultaneous occurrence of the Klinefelter syndrome and retinal pigment degeneration] Moinár L.
Klin Monatsbl Augenheilkd 157:663-7, Nov 70 (Ger)
[Gyrate atrophy with nystagmus and strabismus] Schäfer WD, et al.
Klin Monatsbl Augenheilkd 156:377-90, Mar 70 (Ger)
[Degeneration circinata retinae in a case of Frank's idiopathic chronic thrombocytopenia] Szczypiński J, et al. Klin Oczna 41:257-60, 1971 (Pol)

CONGENITAL

Congenital unilateral pigmentary retinal degeneration with myasthenia gravis. Gokhale SA, et al.
J All India Ophthalmol Soc 18:86-8, Jun 70
[Rare observations on retinal hypoplasia] François J, et al.
Klin Monatsbl Augenheilkd 157:605-10, Nov 70 (Ger)

DIAGNOSIS

Electroretinography and the diagnosis of tapeto-retinal degenerations in childhood. Harcourt B.
Dev Med Child Neurol 12:775-88, Dec 70
The electroretinogram in degenerative diseases. Ruedemann AD Jr.
Int Ophthalmol Clin 9:1005-23, Winter 69
Biomicroscopy of the fundus periphery of the fellow eye in cases of retinal detachment. Bartkowska-Oriowska M, et al.
Pol Med J 9:1567-71, 1970
An evaluation of the Farnsworth-Munsell 100 hue test as a clinical tool in the investigation and management of ocular neurological deficit. Chisholm IA.
Trans Ophthalmol Soc UK 89:243-50, 1970
[Is there a "central serous choroiditis"?] Bonamour G, et al. Arch Ophtalmol (Paris) 31:5-14, Jan 71 (Fre)
[Diagnostic importance of functional electrooculography and vitelliform degeneration of the macula] François J.
Bull Acad R Med Belg 9:695-722, 1969 (Fre)
[Functional examination in non-senile macular degeneresecence] Perdriel G, et al.
Bull Mem Soc Fr Ophtalmol 82:458-65, 1969 (Fre)
[The diagnosis of tapeto-retinal degeneresecence in children] Straub W, et al.
Bull Mem Soc Fr Ophtalmol 82:5-11, 1969 (Fre)
[The threshold method in non-senile macular degeneresecence] Zanen J, et al.
Bull Mem Soc Fr Ophtalmol 82:466-78, 1969 (Fre)
[Fluorescein angiography. VI. Chorioretinal dystrophy and degeneration] Amalric P.
Bull Soc Ophtalmol Fr Suppl:187-206, 1969 (Fre)
[Is there a distinction in angiofluorescence of retinal and choroid origin] Babel J, et al.
Bull Soc Ophtalmol Fr 68:462-7, Apr 68 (Fre)
[Electroretinography--an examination method for the determination of prognosis in juvenile macular degeneration] Hammerstein W.
Klin Monatsbl Augenheilkd 158:72-5, Jan 71 (Ger)
[A case of symmetrical pseudocyst of the macula with hypopyon-like sedimentation] Rieger G.
Klin Monatsbl Augenheilkd 156:535-9, 1970 (Ger)
[Fluoroangiographic findings on a case of choroideremia] Altieri G, et al.
Boll Ocul 48:879-89, Sep 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Fluorescein angiography on retinal detachment and lattice degeneration. I. Equatorial degeneration with idiopathic retinal detachment] Sato K, et al.
Acta Soc Ophthalmol Jap 75:635-42, 20 Jan 71 (Jap)
[Method of studying the macula lutea using a macula tester] Mitkokh DI.
Nov Med Priborostr 2:9-13, 1967 (Rus)
[Elastotonographic indices in patients with retinal and choroid dystrophy] Zolotareva MM, et al.
Oftalmol Zh 25:616, 1970 (Rus)
[Peripapillary retinal degeneration of helicoidal form. Its retinal fluoresceinographic study] Alezzandrini AA, et al.
Arch Oftalmol B Aires 45:297-304, Aug 70 (Spa)

DRUG THERAPY

[Pyrimidyl-piperonyl-piperazine in ophthalmology: 114 cases] Arion AF, et al.
Bull Soc Ophtalmol Fr 69:511-7, May-Jun 69 (Fre)
[Clinical experimentation with pyridoxylate in treatment of various chorioretinal degenerative disorders (50 cases)] Boudet C, et al.
Bull Soc Ophtalmol Fr 69:1145-50, Dec 69 (Fre)
[Moxisylyte in macular pathology] Rougier-Houssin J, et al. Bull Soc Ophtalmol Fr 69:935-66, Nov 69 (Fre)
[Treatment of degenerative diseases of the retina with progresin retard] Schaaf G.
Munch Med Wochenschr 112:433-6, 6 Mar 70 (Ger)
[Therapy of retinal circulatory disorders] Neuhann W.
Ther Ggw 109:1465-6 passim, Oct 70 (Ger)
[Action of lipotropic agents in the treatment of involutional diseases of the eye] Boschetti G, et al.
Minerva Oftalmol 11:48-55, Mar-Apr 69 (Ita)
[Effect of ribonucleotide replacement therapy in certain diseases] Fuks BB, et al.
Biull Eksp Biol Med 68:23-6, Sep 69 (Rus)
[Experience in the treatment of dystrophic changes of the macular region of the retina] Dmitrieva AA.
Vestn Oftalmol 6:53-4, Nov-Dec 70 (Rus)
[Use of adenosine triphosphoric acid for the treatment of dystrophic retinal diseases] Dobromyslov AN, et al.
Vestn Oftalmol 1:64-7, Jan-Feb 70 (Rus)

ENZYMOLOGY

Na-K-activated adenosinetripnosphatase in retinae of rats with and without inherited retinal dystrophy. Daemen FJ, et al. Vision Res 10:435-8, May 70

ETIOLOGY

The macular vessels in predisciform and disciform senile macular degeneration. Zauberman H, et al.
Am J Ophthalmol 70:498-504, Oct 70
Pathogenesis of radiation-induced retinal dysplasia. Shively JN, et al. Invest Ophthalmol 9:888-900, Nov 70
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71
Ocular complications of self-induced vitamin A deficiency. Fells P, et al.
Trans Ophthalmol Soc UK 89:221-8, 1970
[Electroretinographic and electroencephalographic study in Strumpell-Lorrain spastic paraplegia] Stanescu B, et al.
Bull Mem Soc Fr Ophtalmol 83:442-9, 1970 (Fre)
[Retinopathy in Van Bogaert's subacute sclerosing leukoencephalitis] Perdriel G, et al.
Bull Soc Ophtalmol Fr 69:1067-70, Dec 69 (Fre)
[Retinopathy in polymyositis] Otradovec J, et al.
Klin Monatsbl Augenheilkd 156:498-507, 1970 (Ger)
[Etiology of retinal degeneration in rats during toxicity experiments] Stötzer H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:460-1, 1970 (Ger)
[Unilateral retinal pigment degeneration sine pigmento] Hameraki W.
Klin Oczna 40:855-9, 1970 (Pol)

FAMILIAL & GENETIC

Sorsby's familial pseudo-inflammatory macular dystrophy. Fraser HB, et al.
Am J Ophthalmol 71:1216-20, Jun 71
The vitreo-tapeto-retinal degenerations. Carr RE, et al.
Arch Ophthalmol 84:436-41 passim, Oct 70
Reoccurrence of four-row rodless mice. Keeler CE.
Arch Ophthalmol 84:499-504, Oct 70
Changes of lysosomal enzymes during hereditary degeneration and histogenesis of retina in mice. I. Acid phosphatase visualized by azo-dye and lead nitrate methods. Sanyal S. Histochemie 23:207-19, 1970
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71
Visual perception in the retinal degenerate C3H mouse. Nagy ZM, et al.
J Comp Physiol Psychol 72:306-10, Aug 70
Dystrophia retinae pigmentosa--dysacusis syndrome (DRD): a study of the Usher- or Hallgren syndrome. Nuutila A. J Genet Hum 18:57-88, May 70
Tapeto-retinal degenerations with varying clinical features in Aland islanders. Forsius H, et al.
J Med Genet 7:200-12, Sep 70
Choroidal atrophy. Clinical and genetic types. Sandvig K. J Med Genet 7:268-70, Sep 70
Laurence-Moon-Bardet-Biedl syndrome with Stargardt's juvenile macular degeneration. Clinical and pathological study. Stănescu B, et al.
Ophthalmologica 162:76-81, 1971
[Hereditary retinal degeneration with blindness and encephalopathy in a child with initial symptoms of hyperpyruvicemia] Saraux H, et al.
Bull Mem Soc Fr Ophtalmol 82:12-5, 1969 (Fre)
[On congenital blindness (Kurz syndroms)] Zolog N.
Bull Mem Soc Fr Ophtalmol 82:113-6, 1969 (Fre)
[Case of Sorsby's inflammatory macular degeneration] Perdriel G, et al.
Bull Soc Ophtalmol Fr 68:455-9, Apr 68 (Fre)
[Nephronophthisis with tapetoretineal degeneration and glycinuria in two brothers (an additional familial nephropathy)] Reiss D, et al.
Arch Kinderheilkd 183:23-9, May 71 (Ger)
[Clinical picture and hereditary transmission of vitelliform degeneration of the macula] Thiel HJ, et al.
Klin Monatsbl Augenheilkd 158:235-46, Feb 71 (Ger)
[On central tapeto-retinal degeneration: 2 cases of heredo-familial macular degeneration. Electrooculographic studies] Fusco G, et al.
Ann Ottalmol Clin Ocul 95:721-38, Sep 69 (Ita)
[Congenital abnormalities of the optic papilla with associated macular lesions] Missiroli A, et al.
Boll Ocul 48:765-74, Oct 69 (Ita)
[Two cases of vitelliform degeneration of the macula] Yamada E.
Acta Soc Ophthalmol Jap 75:627-30, 20 Jan 71 (Jap)
[Heredity on retinal pigment degeneration] Imaizumi K, et al.
Ophthalmology (Tokyo) 12:708-17, Sep 70 (Jap)
[Hereditary hyaloido-retinal degeneration (Wagner's disease)] Eremenko NS.
Vestn Oftalmol 4:75-6, 1970 (Rus)
[Hereditary dystrophy of the macula lutea traced in 5 generations] Teterina TP.
Vestn Oftalmol 1:60-4, Jan-Feb 70 (Rus)
[Hereditary degenerative process of macular region] Stanković I. Srp Arh Celok Lek 97:843-58, Sep 69 (Ser)

METABOLISM

Biochemistry of retinal dystrophy. Reading HW.
J Med Genet 7:277-84, Sep 70
[A quantitative and qualitative study of nucleic acids in the presence of toxic lesions of the ganglion cells of the retina] Shershevskaia SF, et al.
Biull Eksp Biol Med 66:37-9, Nov 68 (Rus)

OCCURRENCE

The fate of the fellow eye in retinal detachment. Merin S, et al. Am J Ophthalmol 71:477-81, Feb 71

PATHOLOGY

Early cellular disruption and phagocytosis in photically-induced retinal degeneration. O'Steen WK, et al. Am J Anat 130:227-33, Feb 71
Effect of essential fatty acid deficiency on the fatty acid composition, morphology, and electroretinographic response of the retina. Futterman S, et al. Invest Ophthalmol 10:151-6, Feb 71
Outer segment production and removal in the degenerating retina of the dystrophic rat. Herron WL Jr, et al. Invest Ophthalmol 10:54-63, Jan 71
Reticular cystoid degeneration. A newly described lesion of the inner retina. Feman SS, et al.
Trans Pac Coast Otoophthalmol Soc 50:265-80, 1969 (15 ref.)
[Macular lesions due to vitreous traction] Velissaropoulos P, et al.
Ann Ocul (Paris) 201:1141-7, Nov 68 (Fre)

PHYSIOPATHOLOGY

Long-term changes in the ERG following transection of the optic nerve in the rabbit. Borg E, et al.
Acta Physiol Scand 82:277-81, Jun 71
The central and peripheral retina in macular degenerations. Involvement as reflected by the electroretinogram. Merin S, et al.
Arch Ophthalmol 84:710-8, Dec 70
The electrically evoked response of the visual system (EER). 3. Further contribution to the origin of the EER. Potts AM, et al.
Invest Ophthalmol 9:814-9, Oct 70
[Experimental retinal degeneration in the electrophysiological, histological and biochemical view. (Summary of current information--J. Vaňysek, head of research)] Anton M, et al.
Cesk Oftalmol 26:299-303, Sep 70 (Cze)

RADIOGRAPHY

Fluorescence angiography and inherited degeneration of the fundus oculi. Hill DW.
J Med Genet 7:285-8, Sep 70
[Juvenile macular degenerescence and retinal fluoro-angiography] François J, et al.
Bull Mem Soc Fr Ophtalmol 82:417-31, 1969 (Fre)
[Is diagnosis of macular degenerescence with angiofluorescence possible?] Ricci A, et al.
Bull Mem Soc Fr Ophtalmol 82:432-44, 1969 (Fre)
[Fluorescence angiography in vitelline macular degeneration] Schum U.
Ber Dtsch Ophthalmol Ges 70:252-8, 1970 (Ger)
[Fluorescence angiography for the evaluation of therapeutic prospects in macular affections] Hilsdorf C.
Klin Monatsbl Augenheilkd 157:868-72, Nov 70 (Ger)

SURGERY

Photocoagulation of exudative senile maculopathy. Cleasby GW, et al. Arch Ophthalmol 85:18-26, Jan 71
Light coagulation in presumed histoplasmic choroiditis. Controlled clinical study. Watzke RC, et al. Arch Ophthalmol 86:127-32, Aug 71
Photocoagulation of exudative senile maculopathy. Cleasby GW, et al.
Trans Pac Coast Otoophthalmol Soc 51:233-58, 1970
[Surgical treatment of retinal pigment degeneration by the revascularization method] Shlopak TV, et al.
Oftalmol Zh 25:526-31, 1970 (Rus)
[Disciform degeneration of the macula and arteriosclerosis maculopathy treated by photocoagulation] Nano HM, et al.
Arch Oftalmol B Aires 45:223-6, Jun 70 (Spa)

THERAPY

[A case of myopic macular extravasation treated with photocoagulation] Ichihashi K.
Folia Ophthalmol Jap 22:31-4, Jan 71 (Jap)
[Use of microwaves in ophthalmology] Shereshevskaia LIa, et al. Nov Med Priborostr 3:88-91, 1967 (Rus)
[Ultrasonic therapy in degeneration of the macula] Shpak NI, et al. Oftalmol Zh 26:212-5, 1971 (Rus)

VETERINARY

Bright blindness in sheep--the relationship to environment. Watson WA, et al.
Br Vet J 126:482-6, Sep 70
Feline central retinal degeneration. Bellhorn RW, et al.
J Am Vet Med Assoc 157:842-9, 15 Sep 70
Retinal and retinochoroidal lesions in early neuropathic canine distemper. Fischer CA.
J Am Vet Med Assoc 158:740-52, 15 Mar 71
A new hereditary degeneration of the mouse retina. Keeler C. J Hered 61:62-3, Mar-Apr 70
Changes in lactate dehydrogenase(LDH) isoenzymes associated with retinal degeneration of ewes affected with bright blindness. Patterson DS, et al.
Vet Rec 87:760-1, 12 Dec 70

RETINAL DETACHMENT (C11)

Clinical, biochemical, and immunoelectrophoretic study of subretinal fluid. Chignell AH, et al.
Br J Ophthalmol 55:525-32, Aug 71
Retinal detachments. Hudson JR.
Br Med J 1:155-8, 16 Jan 71
Retinal detachment. Everett WG.
J Occup Med 12:446-8, Nov 70
Separation (detachment) of the retina. A local study of the nature and displacement of the tears and their relationship to surgical management and prognosis. Loh RC. Singapore Med J 12:28-32, Feb 71
Refraction changs after srgical treatment of retinal detachment. Jacklin HN.
South Med J 64:148-50, Feb 71
[Some newer data from the study of macular diseases (with special regard to central serous retinitis or central serous retnal ablation)] Kolín J.
Cesk Oftalmol 27:230-7, Jul 71 (Cze)
[Macular detachment (symptomatology and clinical forms)] Ardouin M, et al.
Annee Ther Clin Ophtalmol 20:279-97, 1969 (Fre)
[Retinal detachment in children] Corcelle L.
Annee Ther Clin Ophtalmol 20:245-53, 1969 (Fre)
[A case of inflammatory pseudotumor of the choroid] Voisin J, et al.
Bull Mem Soc Fr Ophtalmol 82:557-64, 1969 (Fre)
[Retinal detachment in children and adolescents] Bernardczykowa A. Klin Oczna 40:655-62, 1970 (Pol)
[Retinal dialysis at the ora serrata] Pecoldowa K.
Klin Oczna 40:713-8, 1970 (Pol)
[Retinal detachment in an aphakic eye] Przybyl-Ereńska K. Klin Oczna 40:669-73, 1970 (Pol)
[Bilateral retinal detachment in a child] Romańczuk R, et al. Klin Oczna 40:861-4, 1970 (Pol)
[Retinal tears in primary retinal detachment] Szczypiński J. Klin Oczna 40:699-705, 1970 (Pol)
[Retinal detachment] Cunha SL.
Arq Bras Oftalmol 34:1, 1971 (Por)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CHEMICALLY INDUCED

Oxygen poisoning of the eyes. Comparison in cyanotic and acyanotic dogs. Yanoff M, et al.
Arch Ophthalmol 84:627-9, Nov 70
[Accidental introduction of a depot corticosteroid into the vitreous body. Description of a case and experimental study] Moschini GB.
Boll Ocul 48:426-32, Jun 69 (Ita)

COMPLICATIONS

Trauma and retinal detachment. The anterior chamber angle, with special reference to width, pigmentation and traumatic ruptures. Syrdalen P.
Acta Ophthalmol (Kbh) 48:1006-23, 1970
Bilateral annular choroidal detachment and myopia. Hyman BN, et al. Am J Ophthalmol 70:853-5, Nov 70
The fate of the fellow eye in retinal detachment. Merin S, et al. Am J Ophthalmol 71:477-81, Feb 71
Rheghatogenous retinal detachment and choroidal melanoma. Robertson DM, et al.
Am J Ophthalmol 72:351-5, Aug 71
Rubeosis iridis. Anderson DM, et al.
Can J Ophthalmol 6:183-8, Jul 71
Biomicroscopy of the fundus periphery of the fellow eye in cases of retinal detachment.
Bartkowska-Orlowska M, et al.
Pol Med J 9:1567-71, 1970
[Retinal detachment in collagen diseases] Buruiana A.
Ann Ocul (Paris) 202:1123-30, Nov 69 (Fre)
[Retinal detachment with hemorrhagic onset] François P. Annee Ther Clin Ophtalmol 20:207-12, 1969 (Fre)
[Visual function in retinal detachment] Jayle GE, et al.
Annee Ther Clin Ophtalmol 20:165-205, 1969 (Fre)
[Macular holes with or without retinal detachment. I. Clinical observation] Moridaira Y.
Acta Soc Ophthalmol Jap 75:1141-54, Apr 71 (Jap)
[Macular holes with or without retinal detachment. II. Results of treatment] Moridaira Y.
Acta Soc Ophthalmol Jap 75:1209-22, 1971 (Jap)
[Biomicroscopy of the fundus periphery of the other eye in cases of retinal detachment]
Bartkowska-Orlowska M, et al.
Klin Oczna 40:689-93, 1970 (Pol)
[Specificity of macular holes] Bernardczykowa A.
Klin Oczna 40:707-12, 1970 (Pol)
[Myopia and retinal detachment] Kalużny J.
Klin Oczna 40:663-8, 1970 (Pol)

CONGENITAL

Congenital retinal detachment and the optic disk anomaly. Hamada S, et al.
Am J Ophthalmol 71:460-4, Feb 71
[Case of bilateral falciform retinal detachment, associated with congenital dislocation of the hip and serious cerebral disease] Bardelli N, et al.
Riv Clin Pediatr 83:18-23, Jan-Apr 70 (Ita)

DIAGNOSIS

Problems in ultrasonographic diagnosis of retinal disease. Baum G. Am J Ophthalmol 71:723-39, Mar 71
Retinal dialysis. Brockhurst RJ, et al.
Arch Ophthalmol 85:637-8, May 71
Finding the retinal hole. Lincoff H, et al.
Arch Ophthalmol 85:565-9, May 71
The electroretinogram in retinal detachment. Rendahl I. Int Ophthalmol Clin 9:1025-38, Winter 69
The diagnosis of retinal detachment. Ide CH.
Mo Med 68:173-5, Mar 71
[Fluorescein angiography in retinal detachment] Amalric P.
Annee Ther Clin Ophtalmol 20:103-11, 1969 (Fre)
[Echography in retinal detachment] Bregeat P, et al.
Annee Ther Clin Ophtalmol 20:93-102, 1969 (Fre)
[Senile detachment (symptomatology and clinical forms)] Bronner A, et al.
Annee Ther Clin Ophtalmol 20:233-43, 1969 (Fre)
[Biomicroscopy and retinal detachment] Kloti R.
Annee Ther Clin Ophtalmol 20:89-91, 1969 (Fre)
[Ophthalmoscopy in retinal detachment] Legrand J.
Annee Ther Clin Ophtalmol 20:79-87, 1969 (Fre)
[Fluorescein angiography. VII. Detachment of the retina] Amalric P.
Bull Soc Ophtalmol Fr Suppl:209-16, 1969 (Fre)
[Unusual ophthalmoscopic aspect revealing retinal detachment] Bigorgne J, et al.
Bull Soc Ophtalmol Fr 69:778-81, Jul-Aug 69 (Fre)
[Prevention of the retinal detachment. Early symptomatology] Dufour R.
Praxis 60:634-6, 18 May 71 (Fre)
[Differential diagnosis of ablatio falciformis] Barsewisch B.
Ber Dtsch Ophthalmol Ges 70:187-93, 1970 (Ger)
[Observations on clinical slit lamp findings in polarized light] Meyner EM.
Ber Dtsch Ophthalmol Ges 70:570-5, 1970 (Ger)
[Ultra-sound echography--an important auxiliary examination in the surgery of retinal detachment] Freyler H.
Klin Monatsbl Augenheilkd 157:617-33, Nov 70 (Ger)
[A case of malignant melanoma of the choroid misdiagnosed for retinal detachment. The method of diagnosis, light and electron microscopic observation] Matsuzaki S.
Acta Soc Ophthalmol Jap 75:31-45, 10 Jan 71 (Jap)
[Fluorescein angiography on retinal detachment and lattice degeneration. I. Equatorial degeneration with idiopathic retinal detachment] Sato K, et al.
Acta Soc Ophthalmol Jap 75:635-42, 20 Jan 71 (Jap)
[Detachment of the retina and its fundus fluorescence photogram. (Preliminary report)] Asayama R, et al.
Ophthalmology (Tokyo) 12:835-44, Oct 70 (Jap)
[Examination of the sensory function of the retina in retinal detachment] Bernardczykowa A.
Klin Oczna 40:631-6, 1970 (Pol)
[Fluoresceinoscopy of retinal tears in retinal detachment] Mondelski S, et al.
Klin Oczna 41:201-4, 1971 (Pol)
[Diagnosis of retinal detachment] Mondelski S, et al.
Klin Oczna 40:623-9, 1970 (Pol)
[Differential diagnosis in secondary retinal detachment] Mondelski S.
Klin Oczna 40:683-8, 1970 (Pol)
[Localization of retinal tears in retinal detachment] Pecoldowa K. Klin Oczna 40:695-8, 1970 (Pol)
[Significance of functional methods in examining patients with detached retina] Nesterov SA.
Vestn Oftalmol 5:52-5, 1970 (Rus)

DRUG THERAPY

[Value of hyaluronic acid in the treatment of retinal detachment. Apropos of 2 cases] Bessière E, et al.
Bull Soc Ophtalmol Fr 69:293-5, Feb 69 (Fre)

ETIOLOGY

Massive subretinal exudation associated with senile macular degeneration. Blair CJ, et al.
Am J Ophthalmol 71:639-48, Mar 71
Arrowhead tear in the macula. Jungschaffer OH.
Arch Ophthalmol 86:19-20, Jul 71
Retinal detachment in children. Chisholm L.
Can J Ophthalmol 6:62-7, Jan 71
Post typhoid retinal detachment. Mathur JS, et al.
J All India Ophthalmol Soc 18:135-7, Sep 70
Myopia and retinal detachment. Kalużny J.
Pol Med J 9:1544-9, 1970
Retinal breaks in primary retinal detachment. Szczypiński J. Pol Med J 9:1550-8, 1970
Treatment of proliferative sickle retinopathy. Goldberg MF.
Trans Am Acad Ophthalmol Otolaryngol 75:532-56, May-Jun 71
[Retinal detachment in aphakic patients] Bessière E.
Annee Ther Clin Ophtalmol 20:271-7, 1969 (Fre)
[Chorioretinal lesions and vitreous changes predisposing to retinal detachment] François J.
Annee Ther Clin Ophtalmol 20:113-48, 1969 (Fre)
[Symptomatic detachment] Guillaumat L.
Annee Ther Clin Ophtalmol 20:299-309, 1969 (Fre)
[Participation of the vitreous body in the pathogenesis of retinal detachment] Muiños A.
Annee Ther Clin Ophtalmol 20:35-47, 1969 (Fre)
[Myopia and retinal detachment] Poulsen AD, et al.
Annee Ther Clin Ophtalmol 20:213-32, 1969 (Fre)
[Traumatic retinal detachment] Quere A.
Annee Ther Clin Ophtalmol 20:311-9, 1969 (Fre)
[Physiopathologic modifications of the vitreous body and subretinal fluid] Regnault F, et al.
Annee Ther Clin Ophtalmol 20:49-56, 1969 (Fre)
[Etiology of retinal detachment in children] Saracco JB, et al.
Annee Ther Clin Ophtalmol 20:255-61, 1969 (Fre)
[Lesions predisposing to retinal detachment] Urrets-Zavalia A Jr.
Annee Ther Clin Ophtalmol 20:11-34, 1969 (Fre)
[Historical eclampsia with cortical necrosis and bilateral retinal detachment] Larcan A, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:240-3, Apr-May 70 (Fre)
[Retinal detachment and scleral thinning] Dufour R, et al. Bull Mem Soc Fr Ophtalmol 82:208-22, 1969 (Fre)
[Traumatic retinal detachment with partial retinal inversion] Cornand G, et al.
Bull Soc Ophtalmol Fr 69:775-8, Jul-Aug 69 (Fre)
[Retinal detachment in young patients: study of etiologic and anatomic forms] Gerhard JP.
Bull Soc Ophtalmol Fr 69:669-77, Jul-Aug 69 (Fre)
[Retinal detachment and hemoglobinopathy] Hamard H, et al.
Bull Soc Ophtalmol Fr 69:806-10, Sep-Oct 69 (Fre)
[Simultaneous and bilateral retinal detachment in an aphakia patient] Hervouët F, et al.
Bull Soc Ophtalmol Fr 69:496-8, Apr 69 (Fre)
[General considerations on 36 cases of retinal detachment in children] Saracco JB, et al.
Bull Soc Ophtalmol Fr 69:246-8, Feb 69 (Fre)
[The use of cold in the treatment of retinal tear with and without detachment] Sourdille P.
Bull Soc Ophtalmol Fr 70:531-3, Apr 70 (Fre)
[Traumatic detachment of the retina] Cornand G.
Rev Corps Sante Armees 10:135-49, Apr 69 (Fre)
[The relationship between the disposition and indirect trauma in the etiology of retinal detachment] Kleberger E, et al.
Klin Monatsbl Augenheilkd 159:90-3, Jul 71 (Ger)
[The extension of accommodation phosphenes in the field of vision] Comberg D.
Ophthalmologica 161:499-503, 1970 (Ger)
[Long-term observations and considerations on patients operated on by Fukala's method] Campana G.
Ann Ottalmol Clin Ocul 94:653-67, Jun 68 (Ita)
[Angiomatosis of Von Hippel-Lindau] Perini S, et al.
Ann Ottalmol Clin Ocul 95:397-404, May 69 (Ita)
[Causes, incidence and therapy of detached retina] Miani P. Friuli Med 24:640-4, Nov-Dec 69 (Ita)
[Injuries in the pathogenesis of retinal detachment] Bernardczykowa A. Klin Oczna 40:675-82, 1970 (Pol)

FAMILIAL & GENETIC

Alport's syndrome in a Negro kindred. Schatz H.
Am J Ophthalmol 71:1236-40, Jun 71
Pathology of hereditary conditions related to retinal detachment. Manschot WA.
Ophthalmologica 162:223-34, 1971
[Hyaloid-retinal dyspiasia (pseudoglioma) due to recessive autosomal heredity] Saraux H, et al.
Ann Ocul (Paris) 202:1131-7, Nov 69 (Fre)

HISTORY

[History of retinal detachment] Dollfus MA.
Bull Soc Ophtalmol Fr 69:569-77, May-Jun 69 (Fre)
[Our tradition. An introduction to the scientific session on clinical problems of retinal detachment] Orlowski WJ. Klin Oczna 40:617-22, 1970 (Pol)

IMMUNOLOGY

[Immunological studies on subretinal fluids with reference to clinical aspects] Liesenhoff H, et al.
Ber Dtsch Ophthalmol Ges 70:197-203, 1970 (Ger)

METABOLISM

Experimental retinal detachment in the owl monkey. 8. Photoreceptor protein renewal in early retinal reattachment. Kroll AJ, et al.
Am J Ophthalmol 72:356-66, Aug 71
Experimental retinal detachment in the owl monkey. VII. Photoreceptor protein renewal in normal and detached retina. Machemer R, et al.
Am J Ophthalmol 71:890-5, Mar 71
[Protein content of the subretinal fluid of the detachment of retina. (A preliminary report)] Yonemura D, et al.
Acta Soc Ophthalmol Jap 75:1223-5, 1971 (Jap)

MICROBIOLOGY

[Bacteriostatic properties of the subretinal fluid] Manna F, et al. Klin Oczna 41:39-42, 1971 (Pol)

OCCURRENCE

Retinal detachment in American Indians. Hilton GF, et al. Am J Ophthalmol 70:981-3, Dec 70
[Patients' age and retinal detachment] Zwierzchowski A, et al. Klin Oczna 40:649-54, 1970 (Pol)

PATHOLOGY

Paravascular vitreoretinal attachments. Role in retinal tears. Spencer LM, et al.
Arch Ophthalmol 84:557-64, Nov 70
Retinal fragment in vitreous: a pathology report. Teng CC. Eye Ear Nose Throat Mon 50:176-8, May 71
[The fine structure of visual cells in secondary retinal detachment due to malignant melanoma of the choroid] Okuma M, et al.
Folia Ophthalmol Jap 22:195-207, Mar 71 (Jap)
[Ultrastructural observations of the choroid and the pigment epithelium on experimental retinal detachment. I. Methods of production of retinal detachment and ultrastructural observations of the normal pigment epithelium, Bruch's membrane, and choriocapillaris] Okuma M.
Folia Ophthalmol Jap 22:415-37, Jun 71 (Jap)

PHYSIOPATHOLOGY

Intraocular pressure and ocular rigidity in patients with retinal detachment. II. Postoperative study. Syrdalen P. Acta Ophthalmol (Kbh) 48:1036-44, 1970
Corneal indentation pulse and retinal detachment pre- and postoperative study. Syrdalen P.
Acta Ophthalmol (Kbh) 48:1045-52, 1970
Intraocular pressure and ocular rigidity in patients with retinal detachment. I. Preoperative study. Syrdalen P. Acta Ophthalmol (Kbh) 48:1024-35, 1970
The relativity of intraocular hypotonia in eyes with retinal detachment. Bartkowska-Orlowska M.
Pol Med J 9:1559-66, 1970
[Physiopathology of the fundus periphery] Bernardczykowa A, et al.
Klin Oczna 41:273-81, 1971 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PREVENTION & CONTROL

Prophylactic treatment in the management of predisposing retinal lesions. Hudson JR. Trans Aust Coll Ophthalmol 1:93-6, 1969

[Prevention of the retinal detachment. Early symptomatology] Dufour R. Praxis 60:634-6, 18 May 71 (Fre)

[Results of prophylactic cryoretinopexy] Böke W, et al. Klin Monatsbl Augenheilkd 159:12-21, Jul 71 (Ger)

[Preventive cryopexy of the retina in diascleral removal of foreign bodies from the eye] Eroshevskiĭ TI, et al. Oftalmol Zh 25:183-5, 1970 (Rus)

RADIOGRAPHY

[Valueof the use of Goldmann's 3-mirror lens in chorioretinal angiofluoroscopy] Massin M, et al. Bull Soc Ophtalmol Fr 69:894-6, Nov 69 (Fre)

[Fluorescence angiographic findings in serous retinitis] Tillmann W. Klin Monatsbl Augenheilkd 158:728-32, May 71 (Ger)

SURGERY

Experiences with retinal cryosurgery. Törnquist R. Acta Ophthalmol (Kbh) 48:814-9, 1970

A combined localizer and scleral marker for retinal detachment surgery. Chawla H. Am J Ophthalmol 70:852-3, Nov 70

Surgical catgut for segmental buckle in retinal detachment. Dellaporta A, et al. Am J Ophthalmol 72:51-4, 30 Jul 71

Reduction of extrusion and infection following episcleral silicone implants and cryopexy in retinal detachment surgery. Flindall RJ, et al. Am J Ophthalmol 71:835-7, Apr 71

Technique for sterile manipulation of the indirect ophthalmoscope by the surgeon. Uffenorde TM. Am J Ophthalmol 70:635, Oct 70

Further experience with sutureless scleral buckling materials. II. Cyanoacrylate tissue adhesive. Calabria GA, et al. Arch Ophthalmol 86:82-7, Jul 71

Further experience with sutureless scleral buckling materials. I. Hydrogels. Calabria GA, et al. Arch Ophthalmol 86:77-81, Jul 71

Photocoagulation of exudative senile maculopathy. Cleasby GW, et al. Arch Ophthalmol 85:18-26, Jan 71

Photocoagulation through the Goldmann contact glass. V. Further experience with a quasi-continuous ruby laser source: long-term observations of clinical efficiency. Fankhauser F, et al. Arch Ophthalmol 85:154-62, Feb 71

A new suture for external silicone sponge implants. Fradin S. Arch Ophthalmol 86:58-9, Jul 71

Ultrasound in retinal detachment. A preliminary report. Karlin DB. Arch Ophthalmol 84:409-14, Oct 70

The changing character of the infected scleral implant. Lincoff H, et al. Arch Ophthalmol 84:421-3 passim, Oct 70

Tonic pupil following retinal detachment surgery. Newsome DA, et al. Arch Ophthalmol 86:233-4, Aug 71

Silicone sponge rejection. Early and late complications in retinal detachment surgery. Russo CE, et al. Arch Ophthalmol 85:647-50, Jun 71

Retinal detachment treated with encircling silastic sponge. Further experience. Chawla H. Br J Ophthalmol 55:331-7, May 71

Macular puckers after retinal detachment surgery. Hagler WS, et al. Br J Ophthalmol 55:451-7, Jul 71

Malignant hyperpyrexia. Snow JC, et al. Eye Ear Nose Throat Mon 49:427-30, Sep 70

Ultrasound in retinal detachment surgery. Karlin DB. Int Ophthalmol Clin 9:709-37, Fall 69

The operating microscope in retinal surgery. Its use for extraocular and introocular cinematography. Roth NH. Int Surg 55:89-92, Feb 71

Scleral infolding in treatment of severe cases of retinal detachment. Orlowski WJ. Pol Med J 8:950-8, 1969

Results of surgery for retinal detachment during 1965-1967. Przybyl K, et al. Pol Med J 8:959-64, 1969

Use of human lyophilized fascia lata in the treatment of retinal detachment. Absolon MJ. Proc R Soc Med 64:113-6, Feb 71

The management of traumatic retinal detachments. Blahnik CL. South Med J 64:302-4, Mar 71

Silicone sponge forceps. O'Connor PR. Trans Am Acad Ophthalmol Otolaryngol 75:849, May-Jun 71

Sealing of retinal holes. Meyer-Schwickerath GR. Trans Aust Coll Ophthalmol 1:84-7, 1969

Total encirclement of the globe with silastic sponge. A preliminary report. Chawla HB. Trans Ophthalmol Soc UK 90:893-5, 1970

Retinal detachment surgery without drainage. Scott JD. Trans Ophthalmol Soc UK 90:57-77, 1970

Postoperative management of retinal detachment patients. Colyear BH Jr. Trans Pac Coast Otoophthalmol Soc 50:67-82, 1969

[Complications following implantation of alopiastic material in retinal detachment] Riebel O. Cesk Oftalmol 26:276-81, Sep 70 (Cze)

[Our experience with lamellar sclerectomy in cases of retinal detachment] Kadlecová V, et al. Sb Lek 72:213-8, Sep 70 (Cze)

[Infections, intolerance reactions to elastic silicone sponge in retinal detachment surgery] Rouchy JP. Ann Ocul (Paris) 204:55-65, Jan 71 (Fre)

[Current technics in vitreous body surgery] Schepens L. Annee Ther Clin Ophtalmol 20:57-67, 1969 (Fre)

[Preliminary replacement of the retina in operations for detachment] Urrets-Zavalia A Jr. Bull Mem Soc Fr Ophtalmol 83:604-12, 1970 (Fre)

[Transscleral experimental cryocoagulation using various temperatures. Preliminary study] Brihaye M, et al. Bull Soc Belge Ophtalmol 150:577-87, 1968 (Fre)

[Scleral pockets in retinal detachment. Reflections based on 60 operations] Fontan P, et al. Bull Soc Ophtalmol Fr 69:241-6, Feb 69 (Fre)

[Detachment and silicone] François P, et al. Bull Soc Ophtalmol Fr 70:593-7, Apr 70 (Fre)

[Indications for cryotherapy exclusive of cataract extraction (retinal detachment, follicular conjunctivitis, corneal ulcer, etc.)] Hervouet F. Bull Soc Ophtalmol Fr 69:131-2, Jan 69 (Fre)

[Severe uveitis following cerclage (string syndrome)] Offret G, et al. Bull Soc Ophtalmol Fr 69:531-5, May-Jun 69 (Fre)

[Surgical treatment of retinal detachment by H. Lincoff's sponge: initial results] Rouchy JP. Bull Soc Ophtalmol Fr 69:523-31, May-Jun 69 (Fre)

[Surgical treatment of retinal detachment] Ricci A. Rev Med Suisse Romande 90:881-4, Nov 70 (Fre)

[The intraocular tension after retinal detachment surgery] Utermann D, et al. Albrecht von Graefes Arch Klin Ophthalmol 181:335-43, 1971 (Ger)

[Air tamponade in retinal detachment with giant tears] Machemer R, et al. Ber Dtsch Ophthalmol Ges 70:203-9, 1970 (Ger)

[Results of prophylactic cryoretinopexy] Böke W, et al. Klin Monatsbl Augenheilkd 159:12-21, Jul 71 (Ger)

[Treatment of retinal detachments due to macular or paramacular tears using the "scleral pocket"] Bonnet M. Klin Monatsbl Augenheilkd 158:1-7, Jan 71 (Ger)

[Is it possible to successfully operate cases of ablatio, despite dense clouding of the media, using echography?] Freyler H. Klin Monatsbl Augenheilkd 158:75-83, Jan 71 (Ger)

[Regeneration of dark adaptation after surgical healing of amotio retinae] Hammerstein W. Klin Monatsbl Augenheilkd 157:385-8, Sep 70 (Ger)

[A new instrument for marking in retinal detachment surgery] Keerl G. Klin Monatsbl Augenheilkd 158:699-700, May 71 (Ger)

[Evaluation of Kettesy's operation for retinal detachment] Kincses E, et al. Klin Monatsbl Augenheilkd 157:633-6, Nov 70 (Ger)

[Obstetrical care following retinal detachment] Legeriotz C. Klin Monatsbl Augenheilkd 158:597-601, Apr 71 (Ger)

[Surgery of retinal detachment with macular tears using a new macular plug] Modjtehedi CR. Klin Monatsbl Augenheilkd 158:308-9, Feb 71 (Ger)

[A new plug for the indention of the sclera in retinal detachment with a macular defect] Modjtehedi GR. Klin Monatsbl Augenheilkd 157:832-8, Dec 70 (Ger)

[Gelatin film in the surgery of retinal detachment] Daniele S, et al. Minerva Oftalmol 11:56-62, Mar-Apr 69 (Ita)

[Preliminary results of scleral buckling with the Schepens method in therapy of rhegmatogenic retinal detachment] Ambrosio A. Rass Int Clin Ter 50:440-8, 15 Apr 70 (Ita)

[Clinical aspects of retinal detachment. 1. The classification of retinal detachment in relation to the operative treatment] Shimizu H. Acta Soc Ophthalmol Jap 75:650-5, 20 Jan 71 (Jap)

[Suture cutting in a variation of equatorial cerclage] Shinriki S. Acta Soc Ophthalmol Jap 75:643-9, 20 Jan 71 (Jap)

[Cystoid macular edema after cataract or retinal detachment surgery and contusion] Yoshioka H, et al. Acta Soc Ophthalmol Jap 75:1027-33, Feb 71 (Jap)

[Cryosurgery for retinal tear with or without retinal detachment] Yamanouchi U. Folia Ophthalmol Jap 21:756-63, Nov 70 (Jap)

[Custodis method with cryoretinopexy] Takeuchi M. Ophthalmology (Tokyo) 12:934-8, Nov 70 (Jap)

[Relativity of hypotonia in the eye with detached retina] Bartkowska-Orlowska M. Klin Oczna 40:637-42, 1970 (Pol)

[Circular depression of the sclera with single and double bands of capron and lavsan in complicated forms of retinal detachment] Babanina IuD, et al. Oftalmol Zh 26:80-7, 1971 (Rus)

[Results of repeated surgery in traumatic retinal detachment] Filatov SV, et al. Oftalmol Zh 25:410-4, 1970 (Rus)

[Intravitreal implantation of silicon in retinal detachment] Gindorova RA, et al. Oftalmol Zh 26:88-91, 1971 (Rus)

[Repeated surgery in traumatic retinal detachment] Milefko EG. Oftalmol Zh 25:414-6, 1970 (Rus)

[Early and late results of intravitreal administration of silicon in acute forms of retinal detachment] Muratova DI. Oftalmol Zh 26:95-8, 1971 (Rus)

[Effectiveness of surgery in traumatic detachment of the retina] Sukariavichus KA. Oftalmol Zh 26:34-9, 1971 (Rus)

[Surgical results and complications of circlage using various suture materials] Uzdin MI, et al. Oftalmol Zh 26:91-4, 1971 (Rus)

[Repeated surgery in retinal detachment] Volkov VV, et al. Oftalmol Zh 25:407-10, 1970 (Rus)

[Cryopexy in retinal detachment] Graue E, et al. Cir Cir 38:371-86, Jul-Aug 70 (Spa)

THERAPY

[Results of our initial trial of injection of despecified vitreous of animal origin in treatment of retinal detachment] Perdriel G, et al. Bull Soc Ophtalmol Fr 69:76-9, Jan 69 (Fre)

[Uses of lasers in medical and biological fields: achievements and prospects] Frigerio G. Minerva Fisiconnci 13:173-80, Apr-Jun 69 (Ita)

[Value and principles of sketch documentation in retinal detachment] Bernardczykowa A. Klin Oczna 40:643-8, 1970 (Pol)

[Management of a patient with retinal detachment] Orlowski WJ. Klin Oczna 40:721-7, 1970 (Pol)

[Duration of retinal detachment and prognosis concerning therapeutical results] Sowińska-Garstkowa B. Klin Oczna 41:43-7, 1971 (Pol)

[Diabetic retinopathy and photocoagulation] Tavares AL. Rev Bras Oftalmol 29:237-44, Sep 70 (Por)

RETINAL HEMORRHAGE (C11, C17)

[Eales' disease--treatment and complications] Barsewisch B von. Klin Monatsbl Augenheilkd 158:220-4, Feb 71 (Ger)

[Fluorescence angiography in a case of hyaline verrucosities (drüsen) of the optic papilla associated with retinal hemorrhages] Brancato R, et al. Ann Ottalmol Clin Ocul 96:143-8, Mar 70 (Ita)

[Cervical osteochondrosis and its importance in the clinical aspects of glaucoma and certain diseases of the optic nerve and the retina] Zolotareva MM. Oftalmol Zh 25:515-9, 1970 (Rus)

CHEMICALLY INDUCED

Ischemic retinopathy due to carbon monoxide poisoning. Bilchik RC, et al. Arch Ophthalmol 86:142-4, Aug 71

CLASSIFICATION

[Eales's disease: disease or syndrome] Rosselet G. Adv Ophthalmol 23:273-310, 1970 (Fre)

COMPLICATIONS

Photocoagulation of exudative senile maculopathy. Cleasby GW, et al. Arch Ophthalmol 85:18-26, Jan 71

Haemorrhagic glaucoma. Comparative study in diabetic and nondiabetic patients. Madsen PH. Br J Ophthalmol 55:444-50, Jul 71

[Vascular pseudopapillitis and latent temporal arteritis] Greco S, et al. Ann Ottalmol Clin Ocul 95:1057-66, Dec 69 (Ita)

[Thrombotic occlusion of the central retinal vein and simple chronic glaucoma. Studies on the opposite eye] Peralta S, et al. Ann Ottalmol Clin Ocul 94:587-91, Jun 68 (Ita)

DIAGNOSIS

[Fundus oculi examinations in premature and mature newborn infants] Szirmák E, et al. Med Monatsschr 25:216-9, May 71 (Ger)

[Iconographic notes on Purtscher's traumatic retinopathy] Frezzotti R, et al. Boll Ocul 48:721-4, Sep 69 (Ita)

[Fundus oculi in the newborn] Vincenti F, et al. Minerva Ginecol 21:426-7, 15 Apr 69 (Ita)

DRUG THERAPY

[Therapy of retinal circulatory disorders] Neuhann W. Ther Ggw 109:1465-6 passim, Oct 70 (Ger)

[Accidental introduction of a depot corticosteroid into the vitreous body. Description of a case and experimental study] Moschini GB. Boll Ocul 48:428-32, Jun 69 (Ita)

[Use of plasminogen activator (urokinase) in treatment of hemorrhage and thromboembolism of the eye] Gastaldi GM, et al. Minerva Oftalmol 11:82-9, May-Jun 69 (Ita)

ETIOLOGY

The association of pale-centered retinal hemorrhages with intracranial bleeding in infancy. A report of two cases. Phelps CD. Am J Ophthalmol 72:348-50, Aug 71

Drusen of the optic disc and the development of field defects. Cohen DN. Arch Ophthalmol 85:224-6, Feb 71

Ocular diathermy and cryocoagulation. Resultant

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

retinal and choroidal vascular changes. Miller JB. Arch Ophthalmol 85:339-43 passim, Mar 71
Traumatic retinal angiopathy resulting from chest compression by safety belt. Hoare GW. Br J Ophthalmol 54:667-9, Oct 70
Retinal haemorrhages in newborn infants. Sezen F. Br J Ophthalmol 55:248-53, Apr 71
Haemorrhage on the disc--a sign of acute ischaemic optic neuropathy in chronic simple glaucoma. Begg IS, et al. Can J Ophthalmol 5:321-30, Oct 70
Study of red blood cell morphology and abnormal haemoglobin in the causation of Eales' disease and other vitreous haemorrhages. Jain IS, et al. J All India Ophthalmol Soc 18:111-7, Sep 70
Retinal haemorrhage in the newborn. An attempt to indicate and explain its cause and significance. Planten JT, et al. Ophthalmologica 162:213-22, 1971
Treatment of proliferative sickle retinopathy. Goldberg MF. Trans Am Acad Ophthalmol Otolaryngol 75:532-56, May-Jun 71
[Retinal detachment with hemorrhagic onset] François P. Annee Ther Clin Ophtalmol 20:207-12, 1969 (Fre)
[Macular hemorrhages and streptococcal allergy] Hamard H, et al. Bull Mem Soc Fr Ophtalmol 83:88-96, 1970 (Fre)
[Eales' disease or syndrome?] Rosselet G, et al. Bull Mem Soc Fr Ophtalmol 82:528-34, 1969 (Fre)
[Atypical pigmentary retinopathy and stenosis of ophthalmic artery origin] Bronner A, et al. Bull Soc Ophtalmol Fr 69:660-5, Jul-Aug 69 (Fre)
[Bacterial sensitization in Eales disease] Saraux H, et al. Bull Soc Ophtalmol Fr 68:151-5, Feb 68 (Fre)
[Retinal hemorrhage in the newborn after delivery with ventouse and spontaneous delivery] Schlaeder G, et al. Gynecol Obstet (Paris) 70:95-107, Jan-Feb 71 (Fre)
[Neuro-ophthalmological manifestations of Hodgkin's disease] Rosselet E, et al. Rev Otoneuroophtalmol 41:214-8, Jul-Aug 69 (Fre)
[Unusual picture of leukemic retinopathy] De Simone S, et al. Ann Ottalmol Clin Ocul 94:592-8, Jun 68 (Ita)
[On a case of retinoblastoma with atypical symptoms] Nicosia A, et al. Ann Ottalmol Clin Ocul 95:59-67, Jan 69 (Ita)
[Hypertension and fundus bleeding, with special reference to fundus photography] Kabayama H. Ophthalmology (Tokyo) 12:914-24, Nov 70 (Jap)
[Changes in the fundus oculi during mud therapy] Il'kov LN. Oftalmol Zh 25:139, 1970 (Rus)
[Eales disease in multiple sclerosis] Pines LN, et al. Vestn Oftalmol 6:87-8, Nov-Dec 70 (Rus)

OCCURRENCE

[Retinal hemorrhages in the newborn under various delivery conditions] Weiden H. Klin Monatsbl Augenheilkd 156:363-71, Mar 70 (Ger)

PHYSIOPATHOLOGY

Cutaneous capillary resistance and retinal haemorrhage in diabetes. Hunter PR, et al. Diabetologia 7:20-4, Feb 71

RADIOGRAPHY

Monocular Purtscher's retinopathy. A fluorescein angiographic study. Fischbein F, et al. Arch Ophthalmol 85:480-4, Apr 71

SURGERY

Clinical photocoagulation with the frequency-doubled neodymium yttrium-aluminum-garnet laser. L'Esperance FA Jr. Am J Ophthalmol 71:631-8, Mar 71
[Cryocoagulation treatment of vitreous body hemorrhage] Haut J, et al. Bull Soc Ophtalmol Fr 69:539-42, May-Jun 69 (Fre)

THERAPY

[Photocoagulation in retinal periphlebitis] Lemke L, et al. Klin Monatsbl Augenheilkd 158:8-15, Jan 71 (Ger)
[Treatment of proliferating diabetic retinopathy with diathermy-coagulation] Wessing A, et al. Klin Monatsbl Augenheilkd 158:212-20, Feb 71 (Ger)

RETINAL PIGMENTS (D10)

Office evaluation of rhodopsin. Enoch JM. Am J Ophthalmol 70:995-6, Dec 70
On the structure of rhodopsin. II. A model of rhodopsin and its changes following light absorption. Buckser S. Am J Optom 47:856-63, Nov 70
On the structure of rhodopsin. I. An alternate primary linkage between retinal and opsin. Buckser S. Am J Optom 47:769-72, Oct 70
Juxtapapillary retinal pigment epithelial tumor. Adenocarcinoma vs reactive hyperplasia. Graham GC. Arch Ophthalmol 85:299-301, Mar 71
Outer segments of photoreceptors and the retinal pigment epithelium. Interrelationship in the human eye. Spitznas M, et al. Arch Ophthalmol 84:810-9, Dec 70
Pigmentary epitheliopathy and erythema nodosum. Van Buskirk EM, et al. Arch Ophthalmol 85:369-72, Mar 71
Resonance-enhanced Raman spectra of visual pigments in intact bovine retinas at low temperatures. Rimai L, et al. Biochem Biophys Res Commun 41:492-7, 23 Oct 70
Circular dichroism of native and illuminated bovine visual pigment 500 at 77 degrees K in the 620- to 320-nm region. Horwitz J, et al. Biochemistry 10:1402-9, 13 Apr 71
Chronic progressive external ophthalmoplegia and pigmentary degeneration of the retina. Mills PV, et al. Br J Ophthalmol 55:302-11, May 71
Electroretinography and the diagnosis of tapeto-retinal degenerations in childhood. Harcourt B. Dev Med Child Neurol 12:775-80, Dec 70
Comprehensive investigation of the spectroscopy and photochemistry of retinals. I. Theoretical and experimental considerations of absorption spectra. Becker RS, et al. J Am Chem Soc 93:38-42, 13 Jan 71
Comprehensive investigation of the spectroscopy and photochemistry of retinals. II. Theoretical and experimental consideration of emission and photochemistry. Becker RS, et al. J Am Chem Soc 93:43-50, 13 Jan 71
The hydrogen-bonded (protonated) Schiff base of all-trans-retinal. Waddell W, et al. J Am Chem Soc 93:3788-9, 28 Jul 71
Properties of rhodopsin dependent on associated phospholipid. Zorn M, et al. J Biol Chem 246:881-6, 25 Feb 71
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al. J Cell Biol 49:664-82, Jun 71
The degradation of the photoreceptor outer segment within the pigment epithelial cell of rat retina. Ishikawa T, et al. J Electron Microsc (Tokyo) 19:85-99, 1970
Colour vision in blue-cone 'monochromacy'. Alpern M, et al. J Physiol (Lond) 212:211-33, Jan 71
The Florida retinal densitometer. Hood C, et al. J Physiol (Lond) 217:213-29, Aug 71
Linkage of retinal to opsin. Hoffman RT, et al. Nature [New Biol] 229:249-50, 24 Feb 71
The photoisomerization of retinal. Kropf A, et al. Photochem Photobiol 12:249-60, Oct 70
Absorption band shape and emission in rhodopsin. Ross RT. Photochem Photobiol 12:261-8, Oct 70
Energy transfer in rhodopsin, N-retinyl-opsin, and rod outer segments. Ebrey TG. Proc Natl Acad Sci USA 68:713-6, Apr 71
Development, structure, and function of the retinal pigmented epithelium. Moyer FH. UCLA Forum Med Sci 8:1-30, 1969
Absence of effect of hydroxylamine upon production rates of some rhodopsin photo intermediates. Johnson RH. Vision Res 10:897-900, Sep 70
The thermal decomposition of visual pigments as a compensation law process. Rosenberg B, et al. Vision Res 11:613-5, Jun 71
An isochromic change in the bleaching of rhodopsin. Williams TP. Vision Res 10:525-33, Jul 70
An hypothesis on the extinction and color of rhodopsin. Williams TP, et al. Vision Res 10:901-3, Sep 70
Flash photolysis of rhodopsin. I. Measurements on bovine rod outer segments. Sengbusch G von, et al. Z Naturforsch [B] 26:488-9, May 71
[Perivenous pigmentation of the retina] Larmande A, et al. Bull Soc Ophtalmol Fr 70:432-6, Mar 70 (Fre)
[Demonstration of an early electrical response resulting from the action of light on retinal pigments in intact human eye] Zanen A, et al. J Physiol (Paris) 62:Suppl 2:331-2, 1970 (Fre)
[Fluorescence angiography in vitelline macular degeneration] Schum U. Ber Dtsch Ophthalmol Ges 70:252-8, 1970 (Ger)
[Simultaneous occurrence of the Klinefelter syndrome and retinal pigment degeneration] Molnár L. Klin Monatsbl Augenheilkd 157:663-7, Nov 70 (Ger)
[Behavior of the retinal pigmented epithelium grafted on the choriocallantoid membrane] Marraro Carnazza ML. Boll Soc Ital Biol Sper 45:1434-6, 30 Nov 69 (Ita)
[Interaction of retina and protein in visual substance] Suzuki T, et al. Protein Nucleic Acid Enzyme (Tokyo) 16:613-21, Aug 71 (63 ref.) (Jap)
[Unilateral retinal pigment degeneration sine pigmento] Hamerski W. Klin Oczna 40:855-9, 1970 (Pol)
[Photoreceptor membrane and native rhodopsin] Boroviagin VL, et al. Biofizika 16:350-76, Mar-Apr 71 (212 ref.) (Rus)
[Photoconductivity of the pigment epithelium of the eye] Trukhan EM, et al. Biofizika 15:1052-5, Nov-Dec 70 (Rus)
[Photochemical and bioelectric processes in the retina following intensive impulse photostimulation] Obukhova EA, et al. Fiziol Zh SSSR 56:1745-9, Dec 70 (Rus)
[Surgical treatment of retinal pigment degeneration by the revascularization method] Shlopak TV, et al. Oftalmol Zh 25:526-31, 1970 (Rus)
[The pterins of Anopheles atroparvus (Diptera: Nematocera) and of a mutant for color of the eyes] Laudani U, et al. Riv Biol 63:43-59, Jan-Mar 70 (Mul)

ANALYSIS

Sedimentation of bovine rhodopsin--digitonin micelles. Incardona NL, et al. Nature [New Biol] 229:250-2, 24 Feb 71
Scotopic visual pigments in the albino brook trout Salvelinus fontinalis. Ali MA, et al. Rev Can Biol 29:153-6, Jun 70
Circular dichroism and the conformational properties of visual pigments. Mommaerts WF. UCLA Forum Med Sci 8:225-34, 1969
Distribution and evolution of visual pigments in salmonid fishes. Bridges CD, et al. Vision Res 10:609-26, Aug 70
Microspectrophotometric measurements of visual pigments in two species of turtle, Pseudemys scripta and Chelonia mydas. Liebman PA, et al. Vision Res 11:105-14, Feb 71
Visual pigment of Callorhinchus callorynchus, a southern hemisphere chimaeroid fish. McFarland WN. Vision Res 10:939-42, Oct 70
Vision and visual pigments in a fish, Scardinius erythrophthalmus (the rudd). Muntz WR, et al. Vision Res 10:281-98, Apr 70
Visual pigments from different parts of the retina in rudd and trout. Muntz WR, et al. Vision Res 11:551-61, Jun 71
Dichroism in the retina at -196 degrees C. Strackee L. Vision Res 10:925-38, Oct 70
Photoreactions and complex formation of retinal monolayers at a water-air interface. Brockman RE, et al. Z Naturforsch [B] 26:119-25, Feb 71
[Electron microscopic study of the origin of premelanosomes of the retinal pigment epithelium in chick embryos] Stanka P. Z Zellforsch Mikrosk Anat 112:120-8, 1971 (Ger)

BIOSYNTHESIS

Regeneration of rhodopsin in the isolated retina of the frog (Rana esculenta). Baumann C. Vision Res 10:627-37, Aug 70
[DOPA-reaction, a useable method in electron microscopy. Studies on retinal pigment epithelium of chicken embryos] Stanka P. Mikroskopie 26:169-74, Sep 70 (Ger)
[Resynthesis of rhodopsin in the intact eye and retinal homogenates following intensive photostimulation] Obukhova EA, et al. Vopr Med Khim 16:434-7, Jul-Aug 70 (Rus)

CHEMICAL SYNTHESIS

A convenient synthesis of labelled rhodopsin and studies on its active site. Hirtenstein MD, et al. Biochem J 119:359-66, Sep 70

METABOLISM

Effects of a retinotoxic phenoxyalkane on the visual cycle in rabbit retinae. Reading HW. Biochem Pharmacol 19:1307-13, Apr 70
Evidence for granulolysis in the retinula cells of a stomatopod crustacean, Squilla mantis. Perrelet A, et al. J Cell Biol 48:684-8, Mar 71
Photolysis of metarhodopsin. I. Rate and extent of conversion to rhodopsin. Baker BN, et al. Vision Res 11:449-58, May 71
The rhodopsin-porphyropsin system in freshwater fishes. 1. Effects of age and photic environment. Bridges CD, et al. Vision Res 10:1315-32, Dec 70
The rhodopsin-porphyropsin system in freshwater fishes. 2. Turnover and interconversion of visual pigment prosthetic groups in light and darkness: role of the pigment epithelium. Bridges CD, et al. Vision Res 10:1333-45, Dec 70
Mathematical analysis of rhodopsin kinetics. Mainster MA, et al. Vision Res 11:433-47, May 71
Visual pigments of the vitamin A-deficient, thyroidectomized rat following vitamin A2 administration. Pearlman JT, et al. Vision Res 11:177-87, Mar 71
Optical measurements of the rapid pH-change in the visual process during the metarhodopsin I-II reaction. Emrich HM. Z Naturforsch [B] 26:352-6, Apr 71

PHARMACODYNAMICS

[Furacin-retinopathy in rabbits. 1] Weiss H, et al. Albrecht von Graefes Arch Klin Ophthalmol 181:130-9, 1971 (Ger)

PHYSIOLOGY

On the structure of rhodopsin. IV. A link between the chemical and electrical processes following light absorption. Buckser S, et al. Am J Optom 48:121-3, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

On the structure of rhodopsin. 3. A method for determining the spectral absorption maxima of the intermediates following light absorption. Buckser S. Am J Optom 47:976-82, Dec 70
The effect of prolonged dark adaptation on sensitivity and the correlation of shielding pigment in the median and lateral eyes of the scorpion. Machan L. Comp Biochem Physiol 26:365-8, Jul 68
Color vision: an approach through the cone pigments. Rushton WA. Invest Ophthalmol 10:311-22, May 71
The attenuation of rod signals by bleachings. Alpern M, et al. J Physiol (Lond) 207:449-61, Apr 70
Signals from cones. Alpern M, et al. J Physiol (Lond) 207:463-75, Apr 70
Stiles-Crawford effect and the bleaching of cone pigments. Coble JR, et al. J Physiol (Lond) 217:231-42, Aug 71
The molecular basis of human vision. Wald G. UCLA Forum Med Sci 8:281-95, 1969
The kinetics of cone visual pigments in man. Alpern M, et al. Vision Res 11:539-49, Jun 71
Flash photolysis of rhodopsin in the isolated frog retina. Baumann C. Vision Res 10:789-98, Sep 70
Cone pigment regeneration in the isolated frog retina. Goldstein EB. Vision Res 10:1065-8, Oct 70
Visual pigments and melanin contributions to the fast photovoltage of the human eye. Zanen A, et al. Vision Res 11:169-72, Feb 71
[On a new physiologic correspondence between pupillary muscular dynamics and retinal neurologic stimuli] Calvet H. Bull Mem Soc Fr Ophtalmol 83:593-601, 1970 (Fre)

RADIATION EFFECTS

Action of light upon the visual pigment rhodopsin. An experiment in biochemistry. Johnson RH, et al. J Chem Educ 47:736-9, Nov 70
Formation of isorhodopsin in isolated frog retinae by intense nanosecond flashes. Baumann C, et al. J Physiol (Lond) 210:156P+, Sep 70
Insect visual pigment sensitive to ultraviolet light. Hamdorf K, et al. Nature (Lond) 231:458-9, 18 Jun 71
A comparison of light-triggered spectral changes in rhodopsin and isorhodopsin. Lam PB, et al. Photochem Photobiol 12:43-7, Jul 70

RETINAL VESSELS (A7)

Incidence of cilioretinal arteries. Lorentzen SE. Acta Ophthalmol (Kbh) 48:518-24, 1970
Ocular circulation: analysis of the effect of induced ocular hypertension on reginal and choroidal blood flow in man. Blumenthal M, et al. Am J Ophthalmol 71:819-25, Apr 71
New method of assessing choroidal ischemia in open-angle glaucoma and ocular hypertension. Rosen ES, et al. Am J Ophthalmol 70:912-21, Dec 70
The macular vessels in predisciform and disciform senile macular degeneration. Zauberman H, et al. Am J Ophthalmol 70:498-504, Oct 70
Retinal involvement in hereditary hemorrhagic telangiectasia. Davis DG, et al. Arch Ophthalmol 85:618-21 passim, May 71
Hematogenous dissemination of microemboli. Eye findings in a patient with Starr-Edwards aortic prosthesis. Ide CH, et al. Arch Ophthalmol 85:614-7, May 71
Choroidal neovascularization in multifocal (presumed histoplasmin) choroiditis. Krill AE, et al. Arch Ophthalmol 84:595-604, Nov 70
Retinal and choroidal circulation in rabbits. Fluorophotometer measurements in animals with and without carotid artery occlusion. Lavenstein B, et al. Arch Ophthalmol 85:723-9, Jun 71
Ocular diathermy and cryocoagulation. Resultant retinal and choroidal vascular changes. Miller JB. Arch Ophthalmol 85:339-43 passim, Mar 71
Avulsed retinal vessels with retinal breaks; a cause of recurrent vitrous hemorrhage. Robertson DM, et al. Arch Ophthalmol 85:669-72, Jun 71
Acute chorioretinal infarction in sickle cell trait. Report of a case. Stein MR, et al. Arch Ophthalmol 84:485-90, Oct 70
Coronary and retinal embolism from left atrial myxoma. Sybers HD, et al. Arch Pathol 91:179-82, Feb 71
Traumatic retinal angiopathy resulting from chest compression by safety belt. Hoare GW. Br J Ophthalmol 54:667-9, Oct 70
Retinal vascular occlusion as a presenting feature of glaucoma simplex. Soni KG, et al. Br J Ophthalmol 55:192-5, Mar 71
Fluorescein angiography in ophthalmology. Mailer CM, et al. Can J Ophthalmol 5:215-25, Jul 70
Studies on chronic carbon disulfide poisoning. Pathogenesis of retinal microaneurysm due to carbon disulfide, with special reference to a subclinical defect of carbohydrate metabolism. Goto S, et al. Int Arch Arbeitsmed 28:115-26, 1971
The effect of hyperbaric oxygenation on retinal ischemia. Flower RW, et al. Invest Ophthalmol 10:605-16, Aug 71
Hypertension and arteriolar sclerosis. Richardson KT. J Occup Med 13:89-91, Feb 71
Ocular vascular accidents. Little HL. J Okla State Med Assoc 64:133-6, Apr 71
Experimental hypertensive retinopathy: circulatory changes. Bulpitt CJ, et al. J Pathol 103:px, Feb 71
A fresh approach to stabilized retinal images. II. Sharpe C. J Physiol (Lond) 217:9P-10P, Aug 71
Intravascular changes in the retina during open-heart surgery. Williams IM. Lancet 2:688-91, 25 Sep 71
The effects of hyperoxia on cerebral blood flow in newborn dogs. Grave GD, et al. Neurology (Minneap) 20:397-8, Apr 70
Angioscotomata and the choroidal pattern. Birkenfeld-Tierie DA. Ophthalmologica 162:281-3, 1971
The treatment of impending vascular occlusion with rheomacrodex, heparin and complamine. Leeman AM. Ophthalmologica 162:296-7, 1971
Correlation of retinal vascular changes with cardiovascular disease. II. Hypertension. Pa Med 73:47, Nov 70
Fluorescein angiographic evaluation of the effects of photocoagulation in three retinal vascular diseases. Archer D, et al. Trans Ophthalmol Soc UK 90:677-99, 1970
Retinal emboli. Haining WM. Trans Ophthalmol Soc UK 89:415-6, 1970
The prognosis in retinal vein thrombosis. Hill DW, et al. Trans Ophthalmol Soc UK 90:309-22, 1970
The rate of formation and disappearance of microaneurysms in diabetic retinopathy. Kohner EM, et al. Trans Ophthalmol Soc UK 90:369-74, 1970
Current trends in the treatment of central venous thrombosis. Marmion VJ, et al. Trans Ophthalmol Soc UK 90:973-6, 1970 (11 ref.)
Clinical significance of retinal microaneurisms. Rubinstein K, et al. Trans Ophthalmol Soc UK 90:701-18, 1970
Management of retinal venous stasis and occlusion. Shoch D. Trans Pac Coast Otoophthalmol Soc 51:295-305, 1970
Etiologic diagnosis of retinal venous stasis and occlusion. Shock D. Trans Pac Coast Otoophthalmol Soc 51:127-36, 1970
Retinal blood vessels and ocular blood flow. Christensen RE, et al. UCLA Forum Med Sci 8:411-41, 1969
[Hypertensive retinopathy with arterial neovascularization (Angiographic study)] Blažek K, et al. Cesk Oftalmol 27:145-8, May 71 (Cze)
[Our experience with the management of eye diseases using hyperbaric oxygenation. I. Embolism of the central retinal artery] Sindlerová E. Cesk Oftalmol 26:339-43, Nov 70 (Cze)
[Fluoro-angiographic contribution in the study of ocular manifestations of periodic disease] Bouchat J, et al. Ann Ocul (Paris) 203:821-4, Sep 70 (Fre)
[Vascular fluorescein aspects in retinal venous occlusions (pseudolamellar stream)] Casanovas J, et al. Ann Ocul (Paris) 203:915-24, Oct 70 (Fre)
[Retinal segmental periarteritis] François J, et al. Ann Ocul (Paris) 202:233-40, Mar 69 (Fre)
[3 severe cases of human rickettsial disease caused by R. conori without authenticated entomologic transmission] Bertoye A, et al. Bull Acad Vet Fr 43:247-56, Jun 70 (Fre)
[Embolism of the central retinal artery following a retrobulbar injection of methylprednisolone acetate] François J, et al. Bull Soc Belge Ophtalmol 155:517-23, Jun 70 (Fre)
[Aspect of juxta-macular chorio-retinal shunt] Algan B, et al. Bull Soc Ophtalmol Fr 70:734-6, May-Jun 70 (Fre)
[Fluorescein angiography and circulatory dynamics] Amalric P, et al. Bull Soc Ophtalmol Fr Suppl:130-86, 1969 (Fre)
[Fluorescein angiography. VI. Chorioretinal dystrophy and degeneration] Amalric P. Bull Soc Ophtalmol Fr Suppl:187-206, 1969 (Fre)
[Fluorescein angiography. Preface] Amalric P. Bull Soc Ophtalmol Fr Suppl:15-7, 1969 (Fre)
[Fluorescein angiography. II. The normal fundus oculi] Amalric P. Bull Soc Ophtalmol Fr Suppl:55-74, 1969 (Fre)
[Fluorescein angiography. X. Papillary and peripapillary syndromes] Amalric P. Bull Soc Ophtalmol Fr Suppl:363-88, 1969 (Fre)
[Fluorescein angiography. XI. Animal experimentation] Amalric P, et al. Bull Soc Ophtalmol Fr Suppl:389-91, 1969 (Fre)
[The treatment of acute retinal arterial obliterations with thrombociasis] Arnoux M, et al. Bull Soc Ophtalmol Fr 69:224-6, Feb 69 (Fre)
[Von Hippel-Lindau disease. Treatment of retinal angiomatosis with photocoagulation and of cerebellar localization with neurosurgical exeresis] Bonamour G, et al. Bull Soc Ophtalmol Fr 70:512-8, Apr 70 (Fre)
[Fluorescein angiography. 8. Tumors of the eyeball] Bonnin P. Bull Soc Ophtalmol Fr Suppl:217-341, 1969 (Fre)
[Fluorescein angiography. I. Theoretical and practical notes] Bonnin P. Bull Soc Ophtalmol Fr Suppl:19-43 p, 1969 (Fre)
[Central retinal artery obliteration and streptokinase] Coscas G, et al. Bull Soc Ophtalmol Fr 69:535-8, May-Jun 69 (Fre)
[Segmentary periarteritis of the retina] Dufour D, et al. Bull Soc Ophtalmol Fr 70:602-6, Apr 70 (Fre)
[2 cases of von Hippel disease] Hermann P, et al. Bull Soc Ophtalmol Fr 68:265-8, Feb 68 (Fre)
[Retinal fluorescein angiography in carotid stenosis and occlusions] Morax PV, et al. Bull Soc Ophtalmol Fr 125-52, 1970 (Fre)
[Obliteration of a branch of the retinal artery demonstrated by fluororetinography] Pommier MI. Bull Soc Ophtalmol Fr 68:494, Apr 68 (Fre)
[Retinal fluorescein angiography] Faggioni R. Praxis 60:615-20, 11 May 71 (Fre)
[Use of thrombociase in ophthalmology] Arnoux M, et al. Presse Med 79:719-20, 27 Mar 71 (Fre)
[Retinal central artery occlusion, sign of asymptomatic thrombosis of the internal carotid] Agnoli A, et al. Rev Otoneuroophtalmol 42:487-92, Dec 70 (Fre)
[Multiple retinal microembolisms after a carotid thromboendoarterectomy. Value of fluorescein angiography] Faggioni R, et al. Rev Otoneuroophtalmol 42:473-82, Dec 70 (Fre)
[Combination of serial fluorescence photography and fluorescence ophthalmoscopy] Jütte A, et al. Ber Dtsch Ophthalmol Ges 70:260-2, 1970 (Ger)
[Anticoagulants in the treatment of venous thrombosis of the retina] Weigelin E, et al. Ber Dtsch Ophthalmol Ges 70:438-42, 1970 (Ger)
[Fluorescence angiography in vascular diseases and tumors of the retina] Wessing A. Ber Dtsch Ophthalmol Ges 70:618-9, 1970 (Ger)
[Occlusion of the retinal arteries in juveniles] Moeller W. Dtsch Gesundheitsw 25:994-7, 23 May 70 (Ger)
[Angiographic elucidation of a reticulated vascular anastomosis of the retina (racemose retinal aneurysm or hemangioma)] Baurmann H, et al. Klin Monatsbl Augenheilkd 159:66-70, Jul 71 (Ger)
[Photocoagulation in retinal periphlebitis] Lemke L, et al. Klin Monatsbl Augenheilkd 158:8-15, Jan 71 (Ger)
[Treatment of retinal vein occlusion using enzyme inhibitors] Schmidt B. Klin Monatsbl Augenheilkd 158:273-7, Feb 71 (Ger)
[Vascular therapy of embolism and vascular spasm in the retina] Schnitzler A. Klin Monatsbl Augenheilkd 157:400-1, Sep 70 (Ger)
[Vascularization in the prelaminar region of the optic papilla] Theodossiadis GP. Klin Monatsbl Augenheilkd 158:646-52, May 71 (Ger)
[Which visual field areas can one determine with the retinal vessels shadow figure?] Comberg D, et al. Ophthalmologica 162:140-5, 1971 (Ger)
[Clinical aspects and therapy of acute vascular occlusion] Niesel P. Ophthalmologica 162:65-75, 1971 (Ger)
[Therapy of retinal circulatory disorders] Neuhann W. Ther Ggw 109:1465-8 passim, Oct 70 (Ger)
[Effect of an arterial wall extract in various retinal vascular diseases] Bracciolini MR, et al. Ann Ottalmol Clin Ocul 94:705-13, Jun 68 (Ita)
[Clinical study of the effect of ethyl-alpha-p-chlorophenoxybutyrate (clofibrate) in the venous retinal thrombosis] Cioli S, et al. Ann Ottalmol Clin Ocul 96:477-82, Sep 70 (Ita)
[Occlusion of the central artery of the retina after antiglaucoma surgical intervention] Manfredini U. Ann Ottalmol Clin Ocul 94:599-602, Jun 68 (Ita)
[Physiopathology of retinal-optic circulation] Moro F. Ann Ottalmol Clin Ocul 95:281-307, Apr 69 (Ita)
[Thrombotic occlusion of the central retinal vein and simple chronic glaucoma. Studies on the opposite eye] Peralta S, et al. Ann Ottalmol Clin Ocul 94:587-91, Jun 68 (Ita)
[New technic for the determination of arm-retina and intraretinal circulation time] Trimarchi F, et al. Ann Ottalmol Clin Ocul 95:875-8, Nov 69 (Ita)
[Action of lipotropic agents in the treatment of involutional diseases of the eye] Boschetti G, et al. Minerva Oftalmol 11:48-55, Mar-Apr 69 (Ita)
[A fluorescein angiographic study on microangiopathia sulfocarbonica] Hotta R, et al. Acta Soc Ophthalmol Jap 74:1463-7, Nov 70 (Jap)
[Retinal arteriosclerosis in Akita prefecture. I. Frequency of retinal arteriosclerosis in Nishiki town] Kumagaya M, et al. Acta Soc Ophthalmol Jap 74:979-86, Sep 70 (Jap)
[Symposium on fluorescence fundus angiography: dynamics of circulation] Shimizu K. Acta Soc Ophthalmol Jap 74:1376-87, Oct 70 (Jap)
[Evaluation of the circulation time in the vascular branches of the retina] Bessho T. Folia Ophthalmol Jap 22:13-4, Jan 71 (Jap)
[A fluorescence angiographic study of retinal vein obstruction] Iwata O, et al. Folia Ophthalmol Jap 22:121-36, Mar 71 (Jap)
[Review on the retina--diseases of the retinal vessels, 1969] Matsui M, et al. Ophthalmology (Tokyo) 13:477-96, May 71 (177 ref.) (Jap)
[On a case of retinal artery obstruction after carotid angiography] Obiu N, et al. Neurol Psihiatr Neurochir 16:141-5, Mar-Apr 71 (Rum)
[Effect of heparin on indices of retinal circulation in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hypertensive disease] Dukhina MA.
Vestn Oftalmol 2:45-8, 1971 (Rus)
[Cholesterol embolism in the system of retinal artery] Poliakova LIa. Vestn Oftalmol 4:32-4, 1970 (Rus)
[The role of collateral circulation in compensating arterial hypertension in experimental cerebral ischemia] Suchkov VV, et al.
Zh Nevropatol Psikhiatr 70:834-40, 1970 (Rus)
[Acute vascular accidents in ophthalmology] François J, et al. Prensa Med Argent 58:433-40, 30 Apr 71 (Spa)
[Traumatic angiopathy of the retina caused by thoracic compression] Sánchez Salorio M, et al.
Rev Clin Esp 117:513-6, 15 Jun 70 (Spa)

ABNORMALITIES

Iris hemangioma and abnormal retinal vasculature in a case of diffuse congenital hemangiomatosis. Naidoff MA, et al. Am J Ophthalmol 72:633-44, Sep 71
[Evolutive retinal angiomatosis with dominant heredity] Saraux H, et al.
Ann Ocul (Paris) 204:147-53, Feb 71 (Fre)
[Fluorescein angiography. 3. Congenital anomalies] Amalric P.
Bull Soc Ophtalmol Fr Suppl:75-9, 1969 (Fre)
[Orbito-facial neurofirbromatosis associated with retinal vascular anomalies. (Persistence of the hyaloid artery and tortuous retinal vessels)] Zolog N, et al. Rev Otoneuroophtalmol 40:442-8, Dec 68 (Fre)
[Clinical and electroretinographic study of a case of coloboma of the optic nerve with absence of retinal vascularization] Fauci A.
Boll Ocul 47:800-9, Nov 68 (Ita)
[Congenital anomaly of the central artery of the retina] Pleshakova MA. Oftalmol Zh 25:461-3, 1970 (Rus)
[Study of the cilioretinal circulation with intravenous fluorescein in color] Honrubia López FM, et al.
Rev Esp Otoneurooftalmol Neurocir 29:37-8, Jan-Feb 71 (Spa)

ANATOMY & HISTOLOGY

The retinal capillary bed at the posterior pole of primate eyes. Anderson DR.
Am J Ophthalmol 71:815-8, Apr 71
Emergence point and angulation of disc vessels in the normal eye. Tomlinson A, et al.
Br J Ophthalmol 55:165-73, Mar 71
Vaso-glial connections in the rabbit retina. Tripathi B, et al. Br J Ophthalmol 55:1-11, Jan 71
Blood vessels in the normal retina. Kuwabara T.
UCLA Forum Med Sci 8:163-76, 1969
[Irrigation of the human retina studied with the electron microscope] Vérin P.
Bull Soc Ophtalmol Fr 69:38-47, Jan 69 (Fre)
[The adventitional and intervascular reticulin fibers of the human retina] Daicker B.
Albrecht von Graefes Arch Klin Ophthalmol 181:179-91, 1971 (Ger)
[Studies of the behavior of the retinal vascular crossovers] Verraz R.
Ann Ottalmol Clin Ocul 95:365-72, Apr 69 (Ita)
[Changes of intraocular pressure and caliber of retinal blood vessels after bulbar massage] Imamura T.
Acta Soc Ophthalmol Jap 74:1012-7, Sep 70 (Jap)
[Measurement of caliber of retinal blood vessels using fundus photograph. I. A method of measurement by Nikon profile projector, especially on magnification] Nanba K.
Acta Soc Ophthalmol Jap 75:1118-26, Mar 71 (Jap)
[Measurement of caliber of retinal blood vessels on fundus photograph. II. Exposure and resolving power of fundus photography] Nanba K.
Acta Soc Ophthalmol Jap 75:1133-40, Apr 71 (Jap)
[Measurement of caliber of retinal blood vessels on fundus photograph. 3. Color photograph] Nanba K.
Acta Soc Ophthalmol Jap 75:1203-8, 1971 (Jap)

CYTOLOGY

Width of retinal capillary basement membrane of spiny mice (Acomy cahirinus) at various ages. Leuenberger PM, et al. Doc Ophthalmol 28:191-200, 24 Jul 70
[Nerve fibers of blood vessels found in the adventitia of a venule and the agranulated vesicles in human retina] Wakui K, et al.
Acta Soc Ophthalmol Jap 75:506-12, 20 Jan 71 (Jap)

DRUG EFFECTS

Retinal and cerebral fat emboli following lymphography with oily contrast media. Rasmussen KE. Acta Radiol [Diagn] (Stockh) 10:199-202, May 70
[Action of synthetic derivatives of Congo red. Angiographic study] Zenatti C.
Ann Ocul (Paris) 204:257-70, Mar 71 (Fre)
[Thrombosis of the retinal artery and oral contraceptives] Paufique L, et al.
Bull Soc Ophtalmol Fr 68:512-5, Apr 68 (Fre)
[Ocular complications due to ovulation inhibitors] Thilges V.
Bull Soc Sci Med Grand Duche Luxemb 106:337-41, Oct 69 (Fre)
[Behavior of retinal arterial pressure after oral administration of propylene glycol] Ciucci BM, et al.
Boll Ocul 48:971-8, Dec 69 (Ita)
[Effect of Complamin on conjunctival, choroidal and retinal vessels in rabbits and evaluation of its effectiveness in humans] Drozdowska S.
Klin Oczna 40:763-5, 1970 (Pol)
[Retinoscopy as a method of examination of the microcirculation. Effects of anesthetics on the arterial net of the retina] Saraiva RA, et al.
Rev Bras Anestesiol 20:439-47, Oct-Dec 70 (Por)
[Effect of oxygen inhalation on pressure in the central artery of the retina] Starcha LI.
Voen Med Zh 7:63-5, Jul 70 (Rus)

IMMUNOLOGY

[Allergic hyperergic reactions in the retinal vessels after a single administration of allergen in the vitreous body] Rodenhäuser JH.
Ber Dtsch Ophthalmol Ges 70:143-8, 1970 (Ger)
[Reaction of vessels in fundus oculi to administration of streptococcal antigens] Perervina LN, et al.
Mikrobiol Zh 32:787-90, Nov-Dec 70 (Ukr)

INJURIES

Monocular Purtscher's retinopathy. A fluorescein angiographic study. Fischbein F, et al.
Arch Ophthalmol 85:480-4, Apr 71
[Iconographic notes on Purtscher's traumatic retinopathy] Frezzotti R, et al.
Boll Ocul 48:721-4, Sep 69 (Ita)

INNERVATION

[Nerve fibers of blood vessels found in the adventitia of an arteriole in monkey optic nerve head, and nerve-endings found in the wall of an arteriole in monkey retina] Iyoda T.
Acta Soc Ophthalmol Jap 75:485-95, 20 Jan 71 (Jap)
[The fine structural and histochemical observation of unmyelinated nerve fibers around the central retinal artery in the optic nerve] Tanishima T.
Acta Soc Ophthalmol Jap 75:692-707, 20 Jan 71 (Jap)
[Nerve fibers of blood vessels found in the adventitia of a venule in human retina] Wakui K, et al.
Acta Soc Ophthalmol Jap 75:496-505, 20 Jan 71 (Jap)
[Nerve fibers of blood vessels found in the adventitia of a venule and the agranulated vesicles in human retina] Wakui K, et al.
Acta Soc Ophthalmol Jap 75:506-12, 20 Jan 71 (Jap)
[Electron microscopic observation on nerve fibers related to the blood vessels in the human retina] Taniguchi Y, et al.
Folia Ophthalmol Jap 21:640-1, Sep 70 (Jap)

METABOLISM

Intermittent oxygen in retrolental fibroplasia. Ashton N, et al. Am J Ophthalmol 71:Suppl:153-60, Jan 71

PATHOLOGY

Light and electron microscopic studies on the sclerotic changes in human central retinal arteries. II. Observation comparing ophthalmoscopic and histologic findings. Kimura T.
Acta Soc Ophthalmol Jap 74:1494-508, Nov 70
Light and electron microscopic studies on the sclerotic changes in human central retinal arteries. I. The "crossing phenomenon". Kimura T.
Acta Soc Ophthalmol Jap 74:987-98, Sep 70
Retinochoroidal vascular anastomosis in uveitis. Kennedy JE, et al. Am J Ophthalmol 71:1221-5, Jun 71
Segmental retinal periarteritis. Orzalesi N, et al.
Am J Ophthalmol 72:55-9, 30 Jul 71
Retinal artery tortuosity in ex-premature infants. 18-year follow-up on eyes of premature infants. Baum JD. Arch Dis Child 46:247-52, Jun 71
Paravascular vitreoretinal attachments. Role in retinal tears. Spencer LM, et al.
Arch Ophthalmol 84:557-64, Nov 70
Ocular and nervous system involvement in angioma serpiginosum. Gautier-Smith PC, et al.
Br J Ophthalmol 55:433-43, Jul 71
The rate of formation and disapearance of microaneurysms i diabetic retinopathy. Kohner EM, et al. Eur J Clin Invest 1:167-71, Nov 70
Ultrastructure of retinal vessel in retinoblastoma. Sun CN. Experientia 26:1000, 26 Sep 70
Effect of essential fatty acid deficiency on the fatty acid composition, morphology, and electroretinographic response of the retina. Futterman S, et al. Invest Ophthalmol 10:151-6, Feb 71
Experimental hypertensive retinopathy: ultrastructure. Garner A, et al. J Pathol 103:px, Feb 71
Retinal photography in premature infants: forme fruste retrolental fibroplasia. Baum JD.
Proc R Soc Med 64:777-9, Jul 71
Vaso-obliteration and retrolental fibroplasia. Garner A, et al. Proc R Soc Med 64:774-7, Jul 71
[Hyperplasia of the adventitional and mural reticulin fibers in diabetic retinopathy] Daicker B.
Albrecht von Graefes Arch Klin Ophthalmol 181:192-206, 1971 (Ger)
[Retinopathia pigmentosa with Coat's syndrome] Schmidt D, et al.
Klin Monatsbl Augenheilkd 157:643-52, Nov 70 (Ger)
[Fine structure of the digested retinal vessels] Fukuda M, et al.
Acta Soc Ophthalmol Jap 75:471-84, 20 Jan 71 (Jap)
[Studies on the relationship between the blood vessels and the nerve element of the human retina. 2. Perivascular argentophilic structures on the capillary microaneurysms of the retina] Fukuda M.
Acta Soc Ophthalmol Jap 75:465-70, 20 Jan 71 (Jap)
[Morphological study on diabetic retinal angiopathy] Kobayashi F.
Acta Soc Ophthalmol Jap 75:519-23, 20 Jan 71 (Jap)
[Ultrastructural aspects of capillaries of Coats's disease] Nishida S, et al.
Acta Soc Ophthalmol Jap 74:1025-31, Sep 70 (Jap)
[Ultrastructure of the retinal arterioles in spontaneously hypertensive rat (SHR)] Watanabe J.
Acta Soc Ophthalmol Jap 74:999-1011, Sep 70 (Jap)
[Electron microscopic findings of the ocular tissues in alloxan rats. 1. On the capillary of the retina in alloxan rats] Kojima K.
Folia Ophthalmol Jap 22:174-86, Mar 71 (Jap)
[A study on the central retinal vein occlusion. 4. Relationship between the site of venous obstruction and crossing phenomenon or anastomotic vessels around the obstructed portion in tributary occlusion] Yoshioka H, et al.
Folia Ophthalmol Jap 21:690-4, Oct 70 (Jap)

PHYSIOLOGY

Incidence of spontaneous venous pulsation in the retina. Lorentzen SE.
Acta Ophthalmol (Kbh) 48:765-70, 1970
The response of the retinal circulation to altitude. Frayser R, et al. Arch Intern Med 127:706-11, Apr 71
Oxygen studies in retrolental fibroplasia. IX. The effects of elevated arterial oxygen tension on retinal vascular dynamics in the kitten. Flower RW, et al.
Arch Ophthalmol 85:197-203, Feb 71
Estimation of retinal blood flow by measurement of the mean circulation time. Bulpitt CJ, et al.
Cardiovasc Res 5:406-12, Jul 71
[Influence of diathermy and cryocoagulation of the blood-retina barrier of the rabbit's eye] Kutschera E, et al.
Albrecht von Graefes Arch Klin Ophthalmol 179:318-24, 1970 (Ger)
[The vascular permeability of the retina and choroid in view of clinical and experimental fluorescein findings] Baurmann H.
Ber Dtsch Ophthalmol Ges 70:242-6, 1970 (Ger)
[Effect of experimental lessening of blood influx through the internal carotid artery on the retinal flow. 1. Behavior of the width of the retinal vascular bed] Niżankowska H. Klin Oczna 40:789-95, 1970 (Pol)
[Determination of temporal and arterioretinal pressure in healthy subjects] Kushnereva AG.
Sov Med 32:110-4, Sep 69 (Rus)

PHYSIOPATHOLOGY

Fluorescein angiography during induced ocular hypertension in retinitis pigmentosa. Best M, et al.
Am J Ophthalmol 71:1228-30, Jun 71
The pathologic hemodynamics of diabetic retinopathy: a theory. L'Esperance FA Jr.
Am J Ophthalmol 71:Suppl:251-60, Jan 71
Hemodynamics of diabetic retinopathy. Yanoff M, et al.
Am J Ophthalmol 71:1155-7, May 71
Peripapillary choroidal circulation in glaucoma. Blumenthal M, et al. Arch Ophthalmol 86:31-8, Jul 71
Comparison of the progress of flat new vessels on the optic disc with those on the retina in patients treated by pituitary ablation. Elkeles RS, et al.
Diabetologia 7:102-6, Apr 71
Retinal collateral vessel formation. Klein R, et al.
Invest Ophthalmol 10:471-80, Jul 71
The endothelial role in thrombosis. Induced retinal vasculitis in the living extracorporeal eye. Tazawa Y, et al. Invest Ophthalmol 10:481-8, Jul 71
[Selective occlusions of retinal vessels of the cat. I. Technic and ophthalmoscopic findings] Gloor BP, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:344-62, 1971 (Ger)
[Entoptical functional testing] Gernet H, et al.
Ber Dtsch Ophthalmol Ges 70:263-7, 1970 (Ger)
[Shock behavior in the terminal vascular supply of the retina] Lemmingson W.
Ber Dtsch Ophthalmol Ges 70:236-42, 1970 (Ger)
[Fundus oculi in juvenile hypertension] Kropp R, et al.
Klin Monatsbl Augenheilkd 156:479-87, 1970 (Ger)
[Changes in diastolic pressure of the brachial artery and the central artery of the retina in myopia] Imas IaB. Oftalmol Zh 26:210-2, 1971 (Rus)

RADIOGRAPHY

Fluorescein angiographic studies on x-chromosomal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

retinoschisis. Krause U, et al.
Acta Ophthalmol (Kbh) 48:794-807, 1970

Human retinal vascular obstructions. A quantitative correlation of angiographic and electroretinographic findings. Nilsson SE.
Acta Ophthalmol (Kbh) 49:111-33, 1971

Fluorescein angiographic findings in presumed histoplasmosis. Hyvärinen L, et al.
Am J Ophthalmol 71:449-59, Feb 71

Simplification in angiography and surgical television. O'Rourke J. Eye Ear Nose Throat Mon 50:123-4, Apr 71

[Fluorescein angiography in retinal aneurysms] Blažek K, et al. Cesk Oftalmol 26:348-50, Nov 70 (Cze)

[Choroid hemangioma: fluoretinography and anatomo-pathology] Watillon M, et al.
Bull Soc Belge Ophtalmol 156:590-7, 1970 (Fre)

[Demonstration of fluorescence angiography of the human retina on television] Gnad HD.
Albrecht von Graefes Arch Klin Ophthalmol 182:170-4, 1971 (Ger)

[Microangiography of the retina: a fluorographic method for representation of the parafoveal retinal capillaries] Mathyi J.
Ber Dtsch Ophthalmol Ges 70:624-31, 1970 (Ger)

[Microangiographic changes in diabetic retinopathy] Mathyi J.
Ber Dtsch Ophthalmol Ges 70:247-51, 1970 (Ger)

[Observations on the so-called background mottling in the fundus angiogram] Riehm E, et al.
Ber Dtsch Ophthalmol Ges 70:258-60, 1970 (Ger)

[A new device for fluorescence angiography of the recumbent or sitting patient] Schum U.
Klin Monatsbl Augenheilkd 157:700-2, Nov 70 (Ger)

[Current status of retinal fluorangiography] Daniele S.
Ann Ottalmol Clin Ocul 95:841-55, Oct 69 (Ita)

[Diagnostic possibility of fluorescein angiography of the ocular fundus in retinal vascular disorders] Batrachenko IP.
Klin Med (Mosk) 47:65-70, Sep 69 (Rus)

SURGERY

Clinical photocoagulation with the frequency-doubled neodymium yttrium-aluminum-garnet laser. L'Esperance FA Jr. Am J Ophthalmol 71:631-8, Mar 71

Treatment of intraretinal angiomas. McDonald PR, et al. Am J Ophthalmol 71:Suppl:298-302, Jan 71

Photocoagulation in complications secondary to branch vein occlusion. Krill AE, et al.
Arch Ophthalmol 85:48-60, Jan 71

Transvitreal electrocoagulation of rabbit fundal vessels. Fejer TP, et al.
Can J Ophthalmol 5:274-83, Jul 70

Treatment of proliferative sickle retinopathy. Goldberg MF.
Trans Am Acad Ophthalmol Otolaryngol 75:532-56, May-Jun 71

Clinical importance of wavelengths in photocoagulation. Pomerantzeff O, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:557-68, May-Jun 71

[Disciform degeneration of the macula and arteriosclerosis maculopathy treated by photocoagulation] Nano HM, et al.
Arch Oftalmol B Aires 45:223-6, Jun 70 (Spa)

RETINALDEHYDE see under VITAMIN A

(D10, D11)

RETINITIS (C11)

Coats' disease, diagnosis and treatment. Harris GS.
Can J Ophthalmol 5:311-20, Oct 70

Retinitis centralis serosa. Vogelaar JJ.
Ophthalmologica 162:287-8, 1971

[Morbus Coats--miliary aneurysm etinitis Leber] Hiller H.
Klin Monatsbl Augenheilkd 158:223-34, Feb 71 (Ger)

CHEMICALLY INDUCED

Studies on experimental ocular toxoplasmosis in the rabbit. 3. Recurrent inflammation stimulated by systemic administration of antilymphocyte serum and normal horse serum. O'Connor GR, et al.
Arch Ophthalmol 85:718-22, Jun 71

Eye changes in methyl alcohol poisoning. Patel JK, et al.
J All India Ophthalmol Soc 18:125-7, Sep 70

CLASSIFICATION

[A classification of retinitis centralis with disharmony of the autonomous nerve system] Kandori F, et al.
Acta Soc Ophthalmol Jap 74:1074-81, Sep 70 (Jap)

COMPLICATIONS

[Retinopathia pigmentosa with Coat's syndrome] Schmidt D, et al.
Klin Monatsbl Augenheilkd 157:643-52, Nov 70 (Ger)

DIAGNOSIS

Solitary inflammatory tumor stimulating choroidal melanoma: a case report. Barsky D.
Eye Ear Nose Throat Mon 50:347-9, Sep 71

[Present opinions on the so-called "retinitis sive retinopathia centralis serosa"] Wassermannová V.
Cesk Oftalmol 27:48-54, Jan 71 (Cze)

[Fluorescein angiography. Epitheliopathies] Amalric P. Bull Soc Ophtalmol Fr Suppl:120-7, 1969 (Fre)

[Fluorescein angiography. Central serous chorioretinitis and related diseases] Bonnin P.
Bull Soc Ophtalmol Fr Suppl:91-119, 1969 (Fre)

[Differential diagnosis of ablatio falciformis] Barsewisch B.
Ber Dtsch Ophthalmol Ges 70:187-93, 1970 (Ger)

[Combination of serial fluorescence photography and fluorescence ophthalmoscopy] Jütte A, et al.
Ber Dtsch Ophthalmol Ges 70:260-2, 1970 (Ger)

[Studies on ERG and EOG of various congenital nightblindness. 3. EOG of fundus albipunctatus and pigmentodegeneratio retinae] Kubota Y.
Acta Soc Ophthalmol Jap 74:1479-83, Nov 70 (Jap)

[Stereoscopic fundus fluorescence photography--with special reference to central retinitis] Fujisawa Y.
Folia Ophthalmol Jap 22:9-12, Jan 71 (Jap)

[Studies on central serous retinopathy with stereoscopic fluorescent fundus photography] Fujisawa Y.
Folia Ophthalmol Jap 22:117-20, Mar 71 (Jap)

DRUG THERAPY

[Successful treatment of central serous retinopathy by tranexamic acid injection] Miyashita S, et al.
Acta Soc Ophthalmol Jap 75:603-8, 20 Jan 71 (Jap)

ETIOLOGY

Sun gazing as the cause of foveomacular retinitis. Ritchey CL, et al. Am J Ophthalmol 70:491-7, Oct 70

Foveomacular retinitis: the relationship to stress. Ford CV. Milit Med 135:756-9, Sep 70

[Ocular localization of Candida albicans septicemia] Cordier J, et al.
Bull Soc Ophtalmol Fr 69:688-99, Jul-Aug 69 (Fre)

[Monosymptomatic form of Rickettsia conori rickettsiosis associated with pure ocular lesions] Bonnet JL, et al.
Bull Soc Pathol Exot 62:1006-11, Nov-Dec 69 (Fre)

[Necrotizing retinitis in severe general diseases] Wallow I.
Ber Dtsch Ophthalmol Ges 70:55-8, 1970 (Ger)

[The so-called Leber's "idiopathic stellate retinopathy"] Manfredini U, et al.
Ann Ottalmol Clin Ocul 95:773-7, Sep 69 (Ita)

PATHOLOGY

Cytomegalic inclusion retinitis in an adult. De Venecia G, et al. Arch Ophthalmol 86:44-57, Jul 71

Juxtapapillary retinal pigment epithelial tumor. Adenocarcinoma vs reactive hyperplasia. Graham GC.
Arch Ophthalmol 85:299-301, Mar 71

Studies on experimental retinitis. Light and electron microscopy. Barber AN, et al.
Br J Ophthalmol 55:91-105, Feb 71

Electron microscopical study of Coat's disease. Tripathi R, et al. Br J Ophthalmol 55:289-301, May 71

[Morphologic and histochemical findings on the superficial temporal artery in Coats' disease] Negroni L, et al. Ann Ottalmol Clin Ocul 94:537-55, May 68 (Ita)

[Ultrastructural aspects of capillaries of Coats's disease] Nishida S, et al.
Acta Soc Ophthalmol Jap 74:1025-31, Sep 70 (Jap)

PHYSIOPATHOLOGY

A study of handicaps and their effect on lip reading among rubella deaf girls. A preliminary report. Roche TF, et al. Dev Med Child Neurol 13:497-507, Aug 71

[Changes in the tonal discriminatory capacity caused by ophthalmodynamometric compression in subjects with central serous retinopathy] Caramazza R, et al.
Riv Otoneurooftalmol 44:523-39, Nov-Dec 69 (Ita)

PREVENTION & CONTROL

Transvitreal electrocoagulation of rabbit fundal vessels. Fejer TP, et al.
Can J Ophthalmol 5:274-83, Jul 70

RADIOGRAPHY

Fluorescein studies of retinal vasculitis in sarcoidosis. Report of a case. Algvere P.
Acta Ophthalmol (Kbh) 48:1129-39, 1970

[Fluorescence angiographic findings in serous retinitis] Tillmann W.
Klin Monatsbl Augenheilkd 158:728-32, May 71 (Ger)

THERAPY

Photocoagulation in Coats' disease. McGrand JC.
Trans Ophthalmol Soc UK 90:47-56, 1970

[Fluorography and photocoagulation of central serous retinopathy. II] Tobari I, et al.
Acta Soc Ophthalmol Jap 75:596-602, 20 Jan 71 (Jap)

[Case of Coat's disease treated by photocoagulation] Baszczyńska-Zielińska B, et al.
Klin Oczna 41:253-6, 1971 (Pol)

VETERINARY

Generalized cryptococcosis in a dog. Bistner S, et al.
Cornell Vet 61:440-57, Jul 71

RETINITIS PIGMENTOSA (C11)

[Gass's epitheliopathy in plaques: a clinical case] Amalric P, et al.
Bull Soc Ophtalmol Fr 69:991-5, Nov 69 (Fre)

[On a case of pigmented retinopathy] Guyard M.
Bull Soc Ophtalmol Fr 69:164-71, Feb 69 (Fre)

[Types I and II mucopolysaccharidoses: an illustrative case] Lambotte C, et al.
Rev Med Liege 26:269-77, 15 Apr 71 (Fre)

[On a case of pigmented paravenous chorio-retinal degeneration] Panagis P, et al.
Ann Ottalmol Clin Ocul 95:519-26, Jun 69 (Ita)

[Senile pigmentary retinopathy. Clinical study of 2 cases] Verraz R.
Arch Sci Med (Torino) 126:1111-5, Dec 69 (Ita)

[On an atypical case of pigmented retinopathy predominantly localized in the left sector] Ronchieri M.
Atti Accad Fisiocrit Siena [Med Fis] 17:643-7, 1968 (Ita)

[5 cases of Hurler's and Hunter's syndromes] Ogane S, et al. Orthop Surg (Tokyo) 22:114-9, Feb 71 (Jap)

CHEMICALLY INDUCED

[Pigmentary pseudoretinopathy acquired by mother and child in the 2nd month of pregnancy by poisoning with chloroform extract of male fern] Bonnet M, et al.
Bull Soc Ophtalmol Fr 69:583-6, May-Jun 69 (Fre)

COMPLICATIONS

Retinitis pigmentosa and lymphocytic leukemia. Einaugler RB, et al.
Arch Ophthalmol 85:699-702, Jun 71

Retinitis pigmentosa with mental retardation, deafness and XX-XO sex chromosomes. Jancar J.
J Ment Defic Res 14:269-73, Dec 70

Gelastic epilepsy. Gumpert J, et al.
J Neurol Neurosurg Psychiatry 33:479-83, Aug 70

Progressive ophthalmoplegia, retinitis pigmentosa, and complete heart block. Shastri SD, et al.
NY State J Med 71:587-90, 1 Mar 71

Two families with tapetoretinal degeneration having unusual features. Garston JB, et al.
Trans Ophthalmol Soc UK 90:195-206, 1970

[A rare form of mucopolysaccharidosis in children, approaching late Hurler's and Scheie's syndromes] Lyon G, et al. Arch Fr Pediatr 28:83-94, Jan 71 (Fre)

[Atypical pigmentary retinopathy and stenosis of ophthalmic artery origin] Bronner A, et al.
Bull Soc Ophtalmol Fr 69:660-5, Jul-Aug 69 (Fre)

[Sjögren-Larsson syndrome] Léopold P, et al.
Bull Soc Ophtalmol Fr 69:612-5, May-Jun 69 (Fre)

[Ulcero-mutilating acropathy with pigmentary retinitis and vestibular disorders] Raverdy P, et al.
Rev Neurol (Paris) 122:142-4, Feb 70 (Fre)

[Ocular myopathy associated with an atypical retinitis pigmentosa. Apropos of a case] Ardouin M, et al.
Rev Otoneuroophtalmol 42:171-6, May-Jun 70 (Fre)

[The outcome of retinitis pigmentosa in deaf-mutes] Grimaud R, et al.
Rev Otoneuroophtalmol 41:444-50, Dec 69 (Fre)

[Basal cell nevus syndrome with retinopathia pigmentosa, recurrent vitreous body hemorrhage and chromosome aberrations] Happle R, et al.
Arch Dermatol Forsch 241:96-114, 1971 (Ger)

[Marfan syndrome and retinopathia pigmentosa] Avedikian H.
Klin Monatsbl Augenheilkd 158:704-7, May 71 (Ger)

[Macular dystrophy in heriditary deaf-mutism as the equivalent of a typical retinopathy pigmentosa] Remky H.
Klin Monatsbl Augenheilkd 158:471-8, Apr 71 (Ger)

[Retinopathia pigmentosa with Coat's syndrome] Schmidt D, et al.
Klin Monatsbl Augenheilkd 157:643-52, Nov 70 (Ger)

[Progressive ophthalmoplegia. Considerations on a case associated with retinitis pigmentosa] Verraz R.
Arch Sci Med (Torino) 126:1025-9, Nov 69 (Ita)

[A case of retinitis pigmentosa and progressive mental deterioration in an 11-year-old girl] Gościńska Z, et al.
Pediatr Pol 45:727-30, Jun 70 (Pol)

CONGENITAL

Trichomegaly, pigmentary degeneration of the retina,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and growth retardation. A new syndrome originating in utero. Corby DG, et al.
Am J Dis Child 121:344-5, Apr 71
Congenital deafness and retinitis pigmentosa. Ghosh P, et al. Eye Ear Nose Throat Mon 49:292-6, Jun 70
[Histopathological study of 2 cases of Leber's congenital tapeto-retinal degeneration] François J, et al. Ann Ocul (Paris) 202:127-55, Feb 69 (Fre)

DIAGNOSIS

Absolute profile visual field studies with the Tubingen perimeter in normal subjects and in patients with early retinitis pigmentosa. Lindquist CW, et al. Eye Ear Nose Throat Mon 49:497-502, Nov 70
Application of synchronous detector techniques for electroretinographic studies in patients with retinitis pigmentosa. Fricker SJ.
Invest Ophthalmol 10:329-39, May 71
[Zonal pigmentary retinopathy. Electroretinographic and campimetric study of 2 cases] Verraz R. Arch Sci Med (Torino) 126:1116-20, Dec 69 (Ita)
[Studies on ERG and EOG of various congenital nightblindness. 3. EOG of fundus albipunctatus and pigmentodegeneratio retinae] Kubota Y.
Acta Soc Ophthalmol Jap 74:1479-83, Nov 70 (Jap)
[Clinical and electrophysiological aspect in genetic carrier in family with retinitis pigmentosa] Imaizumi K, et al. Folia Ophthalmol Jap 22:86-7, Feb 71 (Jap)
[Genetically determined mucopolysaccharidoses in children] Badalian LO, et al.
Pediatriia 50:58-62, Mar 71 (Rus)

DRUG THERAPY

Corrective factors for inborn errors of mucopolysaccharide metabolism. Neufeld EF, et al.
Ann NY Acad Sci 179:580-7, 6 Jul 71
[Therapeutic use of phosphatides in retinal diseases. Preliminary communication on the behaviour of visual acuity in macular disease and retinitis pigmentosa] Weiss H, et al.
Klin Monatsbl Augenheilkd 158:278-85, Feb 71 (Ger)

ETIOLOGY

On the pathogenesis of retinitis pigmentosa. Weinstein GW, et al. Ophthalmologica 162:82-97, 1971
[Pseudoretinopathy pigmentosa in rubella embryopathy] Steinbach PD, et al.
Klin Monatsbl Augenheilkd 158:533-40, Apr 71 (Ger)
[Injury and its role in the incidence of some trophic diseases of the eye] Kal'fa SF.
Oftalmol Zh 25:420-4, 1970 (Rus)

FAMILIAL & GENETIC

Familial nephropathy associatdd with retinitis pigmentosa, cerebellar ataxia and skeletal abnormalities. Mainzer F, et al.
Am J Med 49:556-62, Oct 70
Inverse retinitis pigmentosa, deafness, and hypogenitalism. Reinstein NM, et al.
Am J Ophthalmol 72:332-41, Aug 71
Mucopolysaccharidosis II (Hunter's syndrome).
Arch Dermatol 102:578-80, Nov 70
Usher's syndrome, with special reference to heterozygous manifestations. Haas EB de, et al.
Doc Ophthalmol 28:166-90, 24 Jul 70
Cone-shaped epiphyses (CSE) in siblings with hereditary renal disease and retinitis pigmentosa. Saldino RM, et al. Radiology 98:39-45, Jan 71
[Usher's syndrome. Description of 3 cases] Kapuscinski WJ, et al.
Bull Mem Soc Fr Ophtalmol 82:147-51, 1969 (Fre)
[Neuropsychiatric manifestations of Leber's disease. Apropos of 2 familial cases] Kohler C, et al.
Lyon Med 225:989-93, 23 May 71 (Fre)
[Present conception of Usher's syndrome] Montandon A, et al. Rev Otoneuroophtalmol 42:422-5, Nov 70 (Fre)
[The 1st Italian family with Scheie's disease or late Hurler's disease as studied by European authors] Guazzi GC, et al.
Acta Neurol (Napoli) 26:143-68, Mar-Apr 71 (Ita)
[Monolateral retinitis pigmentosa] Verraz R.
Arch Sci Med (Torino) 126:1103-10, Dec 69 (Ita)
[Retinopathy pigmentosa and paranoid syndrome. (On a case)] Ridolo P, et al.
Riv Sper Freniatr 94:1580-4, 3 Dec 70 (Ita)
[Clinical and electrophysiological aspect in genetic carrier in family with retinitis pigmentosa] Imaizumi K, et al.
Acta Soc Ophthalmol Jap 75:1172-3 passim, Apr 71 (Jap)
[Clinical and electrophysiological aspect in genetic carrier in family with retinitis pigmentosa] Imaizumi K, et al. Folia Ophthalmol Jap 22:86-7, Feb 71 (Jap)

METABOLISM

Characterization of the factor deficient in the Hunter syndrome by polyacrylamide gel electrophoresis. Cantz M, et al.
Biochem Biophys Res Commun 39:936-42, 5 Jun 70
The state of pigment-epithelium lysosomes in the retina of normal rats and those with retinitis pigmentosa. Yates CM, et al.
Biochem J 119:57P-58P, Oct 70
Induced degradation of glycosaminoglycans in Hurler's and Hunter's syndromes by plasma infusion. Di Ferrante N, et al.
Proc Natl Acad Sci USA 68:303-7, Feb 71

OCCURRENCE

Relative frequency of the Hurler and Hunter syndromes. Lowry RB, et al.
N Engl J Med 284:221-2, 28 Jan 71
Relative frequency of the Hurler and Hunter syndromes. N Engl J Med 283:1466-8, 24 Dec 70

PATHOLOGY

Scheie syndrome and macular corneal dystrophy. An ultrastructural comparison of conjunctiva and skin. Quigley HA, et al. Arch Ophthalmol 85:553-64, May 71
Ultrastructural ocular pathology of Hunter's syndrome. Systemic mucopolysaccharidosis type II. Topping TM, et al. Arch Ophthalmol 86:164-77, Aug 71
Ultrastructure of human skin fibroblasts in gargoylism. D'Elia R, et al. Helv Paediatr Acta 25:492-5, Nov 70

PHYSIOPATHOLOGY

Fluorescein angiography during induced ocular hypertension in retinitis pigmentosa. Best M, et al.
Am J Ophthalmol 71:1226-30, Jun 71
[Case of tapetal reflex with inverse Mizuo phenomenon] Ricci A.
Bull Soc Ophtalmol Fr 68:459-61, Apr 68 (Fre)
[Clinical and electrophysiological aspect in genetic carrier in family with retinitis pigmentosa] Imaizumi K, et al.
Acta Soc Ophthalmol Jap 75:1172-3 passim, Apr 71 (Jap)

RADIOGRAPHY

Fluorescein angiographic findings in retinitis pigmentosa. Hyvärinen L, et al.
Am J Ophthalmol 71:17-26, Jan 71

THERAPY

Light deprivation for early retinitis pigmentosa. A hypothesis. Berson EL.
Arch Ophthalmol 85:521-9, May 71

URINE

Thin-layer gel filtration of urinary acid mucopolysaccharides in Hunter's syndrome and in normal individuals. Taniguchi N.
Clin Chim Acta 30:801-8, Dec 70

VETERINARY

Progressive retinal atrophy (rod dysplasia in the Norwegian Elkhound. Aguirre GD, et al.
J Am Vet Med Assoc 158:208-18, 15 Jan 71

RETINOBLASTOMA (C2)

Spontaneous regression of retinoblastoma. A report of two cases. Karsgaard AT.
Can J Ophthalmol 6:218-22, Jul 71
Retinoblastoma in New Zealand. Suckling RD, et al.
Trans Aust Coll Ophthalmol 1:136-40, 1969

BLOOD

[The Bertalanffy method for the demonstration of blood tumor cells in ocular tumors] Goder G, et al.
Ophthalmologica 161:372-84, 1970 (Ger)

COMPLICATIONS

Dq-, Dr and retinoblastoma. Taylor AI.
Humangenetik 10:209-17, 1970
[Malignant retinal tumors with inflammatory manifestations] François P, et al.
Bull Soc Ophtalmol Fr 69:862-5, Sep-Oct 69 (Fre)
[Dq-, multiple malformations and retinoblastoma] Gey W. Humangenetik 10:362-5, 1970 (Ger)
[On a case of retinoblastoma with atypical symptoms] Nicosia A, et al.
Ann Ottalmol Clin Ocul 95:59-67, Jan 69 (Ita)

CONGENITAL

Benignity of neonatal tumors and concept of cancer repression in early life. Bolande RP.
Am J Dis Child 122:12-4, Jul 71 (33 ref.)

DIAGNOSIS

Differentiation features in some retinal tumors and in dysplastic retinal conditions. Andersen SR.
Am J Ophthalmol 71:Suppl:231-41, Jan 71
[Ophthalmoscopic pseudo-angiomatous aspect of retinoblastoma] Aouchiche M, et al.
Bull Mem Soc Fr Ophtalmol 81:514-22, 1968 (Fre)
[Diagnosis of retinoblastoma] Manzitti E, et al.
Bull Mem Soc Fr Ophtalmol 81:505-13, 1968 (Fre)
[Fluorescein angiography. 8. Tumors of the eyeball] Bonnin P.
Bull Soc Ophtalmol Fr Suppl:217-341, 1969 (Fre)
[Pseudo-uveitis with hypopyon from retinoblastoma. 2 case reports] Bucci MG, et al.
Boll Ocul 49:387-95, Jul 70 (Ita)
[Comparative evaluation of various methods of diagnosing retinoblastoma] Trinchuk VV.
Oftalmol Zh 25:117-20, 1970 (Rus)
[A case of toxoplasmic endophthalmitis simulating retinoblastoma] Khamidova MKh, et al.
Vestn Oftalmol 6:85-7, Nov-Dec 70 (Rus)

DRUG THERAPY

[Contribution of chemotherapy to surgery of malignant tumors of the eyeball and its attachments] Lavergne G, et al.
Acta Chir Belg [Suppl] Suppl 1:81-92, 1971 (Fre)
[Surgical technic for direct intraocular drug therapy] Díez Gutiérrez S. Cir Cir 37:51-77, Jan-Feb 69 (Spa)

ENZYMOLOGY

Glutamine synthetase activity in human retinal tissue. Enzyme activity in the normal retina and cortisol induction in cultured cells derived from retinoblastoma. Reif-Lehrer L.
Arch Ophthalmol 86:72-6, Jul 71
Lactic dehydrogenase activity of aqueous humour in retinoblastoma. Dias PL, et al.
Br J Ophthalmol 55:130-2, Feb 71

ETIOLOGY

Mutation and cancer: statistical study of retinoblastoma. Knudson AG Jr.
Proc Natl Acad Sci USA 68:820-3, Apr 71

FAMILIAL & GENETIC

Concurrence of hereditary congenital cataracts and hereditary retinoblastoma. Friendly DS, et al.
Arch Ophthalmol 84:525-7, Oct 70
[Occurrence of bilateral retinoblastoma of 4 siblings] Oba H, et al.
Acta Soc Ophthalmol Jap 75:656-61, 20 Jan 71 (Jap)

MORTALITY

Retinoblastoma: epidemiologic characteristics. Jensen RD, et al. N Engl J Med 285:307-11, 5 Aug 71

OCCURRENCE

Retinoblastoma in Finland 1912-1964. Tarkkanen A, et al. Acta Ophthalmol (Kbh) 49:293-300, 1971
[Eye neoplasms in patients treated at the radiotherapeutic clinic in the years 1959-1968] Borejko J, et al. Klin Oczna 40:831-7, 1970 (Pol)

PATHOLOGY

A clinicopathologic report on treated retinoblastoma. Blodi FC, et al.
Am J Ophthalmol 71:Suppl:193-7, Jan 71
Experimental retinoblastoma. I. Morphology and behavior of cells cultivated in vitro. Huang LH, et al.
Am J Ophthalmol 70:771-7, Nov 70
Ultrastructure of retinal vessel in retinoblastoma. Sun CN. Experientia 26:1000, 26 Sep 70
[Retinoblastoma. II. Iris neovascularization] Cheng-Minoda K.
Acta Soc Ophthalmol Jap 75:674-80, 20 Jan 71 (Jap)
[Retinoblastoma. I. Fine structure of newly-formed blood vessels in retinoblastoma] Cheng-Minoda K.
Acta Soc Ophthalmol Jap 75:662-73, 20 Jan 71 (Jap)
[Retinoblastoma. 3. Spontaneous regression] Kemi C, et al.
Acta Soc Ophthalmol Jap 75:681-91, 20 Jan 71 (Jap)

RADIOTHERAPY

The calculation and measurement of exposure distributions from 60 Co ophthalmic applicators. Casebow MP. Br J Radiol 44:618-24, Aug 71
A cause of radioresistance in retinoblastoma: photoreceptor differentiation. Ts'o MO, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:959-69, Sep-Oct 70

SURGERY

Retinoblastoma treated by freezing. Molteno AC, et al.
Br J Ophthalmol 55:492-8, Jul 71
Melanotic progonoma (retinoblastoma) of maxilla. Case

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

report. De Cholnoky T.
Plast Reconstr Surg 46:600-3, Dec 70
[Contribution of chemotherapy to surgery of malignant tumors of the eyeball and its attachments] Lavergne G, et al.
Acta Chir Belg [Suppl] Suppl 1:81-92, 1971 (Fre)

THERAPY

Retinoblastoma. A study of 139 cases. Bedford MA, et al. Br J Ophthalmol 55:19-27, Jan 71
[Treatment of malignant intra-ocular tumors] Gailloud C, et al. Praxis 60:643-6, 18 May 71 (Fre)
[The study on the conservative treatment of retinoblastoma] Kiribuchi M.
Acta Soc Ophthalmol Jap 74:1058-64, Sep 70 (Jap)

RETINOL see under VITAMIN A (D10, D11)

RETIREMENT (N1)

Men who are young for their years. Alvarez WC.
Geriatrics 25:82, Nov 70
Creative retirement. Sukov M. Geriatrics 26:83-7, Jul 71
Retirement and leisure participation: continuity or crisis? Atchley RC. Gerontologist 11:13-7, Spring 71
Retirement and work orientation. Atchley RC.
Gerontologist 11:29-32, Spring 71
Effect of participation in a pre-retirement program. Charles DC. Gerontologist 11:24-8, Spring 71
A consideration of some factors related to work after retirement. Fillenbaum GG.
Gerontologist 11:18-23, Spring 71
Retirement planning programs--at what age, and for whom? Fillenbaum GG.
Gerontologist 11:33-6, Spring 71
The rhetoric of the retirement home industry. Gersuny C. Gerontologist 10:282-6, Winter 70
Early retirement: relationship to variation in life satisfaction. Pollman AW.
Gerontologist 11:43-7, Spring 71
Retirement anticipation in the military. Stanford EP.
Gerontologist 11:37-42, Spring 71
Developing a retirement age policy. Camerano F.
Hosp Progr 52:90-1 passim, Jun 71
Helping employes prepare for retirement. Camerano F.
Hosp Progr 52:52-5, Jul 71
Compensation illness as a retirement channel. Brodsky CM. J Am Geriatr Soc 19:51-60, Jan 71
The working retired. Fillenbaum GG.
J Gerontol 26:82-9, Jan 71
On the relation between attitude to work and attitude to retirement. Fillenbaum GG.
J Gerontol 26:244-8, Apr 71
Early retirement: a comparison of poor health to other retirement factors. Pollman AW.
J Gerontol 26:41-5, Jan 71
Professional corporations. Comparison of corporation and self-employed retirement plan. Baker HD.
J Iowa Med Soc 60:587 passim, Aug 70
A controlled study of medical work-load before and after 'ill-health retirement' of a group of mineworkers. Waters WH, et al.
J R Coll Gen Pract 20:328-32, Dec 70
Perspectives of military and civilian retirement. Bellino R. Ment Hyg 54:580-3, Oct 70
Editorial. Senility or maturation; there's a choice. Easlick KA. NY J Dent 40:311-2, Nov 70
The Allied Retired Medicals Group of Greater Miami. Serben R. NY J Dent 40:366-7, Dec 70
A note on the generalizability of a study of retirement: the problem of sample loss. Sheldon A, et al. Soc Sci Med 4:131-4, Jul 70
Why should you bother to plan ahead? Dolphin RE. Vet Med Small Anim Clin 66:259-60, Mar 71
Retirement plans for small businesses. Zdy F. Vet Med Small Anim Clin 65:1196-7, Dec 70
[An experiment in preparation for retirement] Philibert M. Maroc Med 50:55-6, Jan 70 (Fre)
[Lowering of retirement age--lowering of life age] Johnsen AM.
Tidsskr Nor Laegeforen 91:1007, 10 May 71 (Nor)
[Utilization of data on the duration of the activity of physicians of retirement age in planning the training of physician cadres] Eremina ZI.
Sov Zdravookhr 29:36-9, 1970 (Rus)
[Methods of studying the duration of professional activity of physicians of retirement age] Eremina ZI.
Sov Zdravookhr 28:37-42, 1969 (Rus)
[Problems of old age]
Arch Belg Med Soc 28:630-83 contd, Nov-Dec 70 (Mul)

RETROGNATHISM (C16)

DIAGNOSIS

[A case of false prognathism (maxillary retrognathism) associated with the aplasia of several teeth in the maxilla] Negucioiu M, et al.
Stomatologia (Bucur) 17:455-60, Sep-Oct 70 (Rum)

ETIOLOGY

[Does thumb-sucking cause a larger number of cases of mandibular retrusion?] Büttner M.
Schweiz Monatsschr Zahnheilkd 80:32-6, Jan 70 (Ger)

SURGERY

Surgical-orthodontic treatment of severe mandibular retrusion. Poulton DR, et al.
Am J Orthod 59:244-65, Mar 71
Management of dental facial deformities by anterior alveolar surgery. Kent JN, et al.
J Oral Surg 29:13-26, Jan 71
C-osteotomy for correction of mandibular retrognathia: report of cases. Weinstein IR.
J Oral Surg 29:358-62, May 71
Sequelae and complications of the intraoral sagittal osteotomy in the mandibular rami. Guernsey LH, et al.
Oral Surg 32:176-92, Aug 71
[Surgical treatment of mandibular retrognathism] Merville L.
Rev Fr Odontostomatol 17:1027-40, Oct 70 (Fre)
[Surgical treatment of chin atrophies] Aiach G.
Rev Stomatol Chir Maxillofac 72:439-48, Apr-May 71 (Fre)
[Preventive surgery of retrognathism] Wunderer S.
Osterr Z Stomatol 67:406-12, Nov 70 (Ger)
[On corrective surgery of the mandibular arch] Cavina C. Bull Sci Med (Bologna) 142:280-97, Jul-Sep 70 (Ita)

THERAPY

[An interesting case report of facial rehabilitation using jaw and dental corrections] Grosveld P.
Ned Tijdschr Tandheelkd 78:314-7, Aug-Sep 71 (Dut)
[Prognosis of therapy of deep overbite with mandibular retrusion] Nawrath K.
Fortschr Kieferorthop 31:309-14, Apr 71 (Ger)
[Mandibular retrognathia in Robin syndrome and its functional orthodontic treatment] Sergi HG.
Fortschr Kieferorthop 31:325-44, Apr 71 (Ger)

RETROGRADE DEGENERATION see under NERVE DEGENERATION (G1)

RETROGRADE OBTURATION (E6)

Biobond for retrograde root filling in apicoectomy. Nordenram A. Scand J Dent Res 78:251-5, 1970

RETROLENTAL FIBROPLASIA (C11, C16)

CHEMICALLY INDUCED

Modern management of oxygen therapy in the newborn. Tizard JP. Proc R Soc Med 64:771-3, Jul 71

COMPLICATIONS

Angle closure glaucoma in infancy. McCormick AQ, et al. Can J Ophthalmol 6:38-41, Jan 71

DIAGNOSIS

Ophthalmoscopic monitoring of oxygen therapy in premature infants. Fluorescein angiography in acute retrolental fibroplasia. Cantolino SJ, et al.
Am J Ophthalmol 72:322-31, Aug 71
The continuing role of the ophthalmologist in the premature nursery. Patz A.
Arch Ophthalmol 85:129-30, Feb 71
[Differential diagnosis of ablatio falciformis] Barsewisch B.
Ber Dtsch Ophthalmol Ges 70:187-93, 1970 (Ger)
[Types and therapy of Terry's disease] Alberth B, et al.
Klin Monatsbl Augenheilkd 157:419-24, Sep 70 (Ger)
[Spontaneous interno-retinal fibroplasia] Hiller H.
Klin Monatsbl Augenheilkd 159:22-7, Jul 71 (Ger)

ETIOLOGY

Arterial oxygen tension and retinal vasoconstriction in newborn infants. Aranda JV, et al.
Am J Dis Child 122:189-94, Sep 71
Oxygen studies in retrolental fibroplasia. IX. The effects of elevated arterial oxygen tension on retinal vascular dynamics in the kitten. Flower RW, et al.
Arch Ophthalmol 85:197-203, Feb 71

METABOLISM

Intermittent oxygen in retrolental fibroplasia. Ashton N, et al. Am J Ophthalmol 71:Suppl:153-60, Jan 71

PATHOLOGY

Retinal artery tortuosity in ex-premature infants. 18-year follow-up on eyes of premature infants. Baum JD. Arch Dis Child 46:247-52, Jun 71
Retrolental fibroplasia in the cicatricial stage. Fundus and vitreous findings. Faris B, et al.
Arch Ophthalmol 85:661-8, Jun 71
Retinal photography in premature infants: forme fruste retrolental fibroplasia. Baum JD.
Proc R Soc Med 64:777-9, Jul 71
Vaso-obliteration and retrolental fibroplasia. Garner A, et al. Proc R Soc Med 64:774-7, Jul 71
Normal and pathologic anatomy of the immature eye. Kalina RE.
Trans Pac Coast Otoophthalmol Soc 51:185-93, 1970

PREVENTION & CONTROL

Intermittent oxygen in retrolental fibroplasia. Garner A, et al. J Pathol 101:Pxiv, Aug 70
[Neonatal intensive care] Feychting H.
Nord Med 84:1217-8, 17 Sep 70 (Swe)

RETROPERITONEAL FIBROSIS (C17)

Urinary leakage and retroperitoneal fibrosis. Mitchinson MJ, et al. J Urol 105:56-8, Jan 71
[Idiopathic retroperitoneal fibrosis or Ormond's disease] Nemry C, et al.
Acta Gastroenterol Belg 33:266-82, Mar 70 (Fre)
[Retroperitoneal fibrosis] Bianchi F.
Acta Urol Belg 38:505-9, 1970 (Fre)
[Pelvic lipomatosis and fibrosis] Wemeau L, et al.
J Urol Nephrol (Paris) 77:203-15, Mar 71 (Fre)
[A rapidly developing form of retroperitoneal fibrosis] Desruelles J, et al. Lille Med 16:192-6, Jan 71 (Fre)
[Retroperitoneal liposclerosis] Fabre J.
Praxis 59:1735-7, 15 Dec 70 (Fre)
[Idiopathic retroperitoneal fibrosis] Lemieux G, et al.
Union Med Can 99:1242-7, Jul 70 (Fre)
[Ormond's syndrome--idiopathic retroperitoneal fibrosis] Machalski M, et al.
Pol Tyg Lek 25:1992-4, 21 Dec 70 (Pol)
[Retroperitoneal fibrosis] Dib JE.
Cir Cir 39:795-817, Mar-Apr 71 (Spa)

CHEMICALLY INDUCED

Fibrotic syndromes with chronic use of methysergide Kunkel RS. Headache 11:1-5, Apr 71
The variable manifestations of sclerosing fibrosis Dalinka MK, et al. J Can Assoc Radiol 21:280-6, Dec 70
Pleurisy and fibrosis of the pleura during methysergide treatment of hemicrania. Kok-Jensen A, et al.
Scand J Resp Dis 51:218-22, 1970
[Aorto-iliac compression revealing retroperitoneal fibrosis during methysergide treatment] Routier G, et al. Ann Med Interne (Paris) 120:669-76, Oct 69 (Fre)

COMPLICATIONS

Renal amyloidosis with nephrotic syndrome associated with retroperitoneal fibrosis. Littman E.
Ann Intern Med 74:240-1, Feb 71
Alimentary complications of non-malignant retroperitoneal fibrosis. Mitchell RJ.
Br J Surg 58:254-6, Apr 71
Retroperitoneal fibrosis causing localized portal hypertension. Lavender S, et al.
Br Med J 3:627-8, 12 Sep 70
Retroperitoneal fibrosis and carcinoid tumor. Morin LJ, et al. JAMA 216:1647-8, 7 Jun 71
Retroperitoneal fibrosis, regional enteritis, and carcinoid tumors. Taylor JK. JAMA 217:1864, 27 Sep 71
Intestinal infarction secondary to retroperitoneal fibrosis. Crummy AB, et al.
N Engl J Med 285:28-9, 1 Jul 71
Retroperitoneal fibrosis associated with pelvic sarcoma. Report of a case. Nasr M, et al.
Obstet Gynecol 36:606-10, Oct 70
Multifocal fibrosclerosis. Gleeson MH, et al.
Proc R Soc Med 63:1309-11, Dec 70
[Ureteral obstruction] Defoort R, et al.
Acta Urol Belg 38:96-9, Jan 70 (Fre)
[Idiopathic retroperitoneal fibrosis associated with mediastinal fibrosis (report of a case)] Baert L, et al.
Ann Urol (Paris) 4:241-7, Dec 70 (Fre)
[Compression of the terminal aorta caused by retroperitoneal fibrosis] Langeron P, et al.
J Sci Med Lille 88:601-8, Nov 70 (Fre)

DIAGNOSIS

[On a little known disease: retroperitoneal fibrosis] Giannoni R. Friuli Med 24:503-16, Sep-Oct 69 (Ita)
[Retroperitoneal fibrosis] Bianchi F, et al.
Minerva Urol 21:240-2, Nov-Dec 69 (Ita)

DRUG THERAPY

Retroperitoneal fibrosis. Response to corticosteroid therapy. Morandi LP, et al.
Arch Intern Med 128:295-8, Aug 71
The combined surgical and medical treatment of retroperitoneal fibrosis. Ross JC, et al.
Br J Surg 58:422-7, Jun 71

ETIOLOGY

Non-idiopathic retroperitoneal fibrosis. Cerny JC, et al.
J Urol 105:49-55, Jan 71
[Retroperitoneal fibrosis associated with an aortic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

aneurysm. Apropos of 2 cases] Wagenknecht LV. J Urol Nephrol (Paris) 77:217-24, Mar 71 (Fre)

PATHOLOGY

Multifocal fibrosclerosis with subcutaneous involvement. Coopersmith NH, et al. Am J Clin Pathol 55:369-76, Mar 71
The pathologic diagnosis of retorperitoneal fibrosis complicated by an aortic aneurysm. Beal JM. Ill Med J 130:623-7, Nov 66
The pathology of idiopathic retroperitoneal fibrosis. Mitchinson MJ. J Clin Pathol 23:681-9, Nov 70

RADIOGRAPHY

Is retroperitoneal fibrosis a self-limiting disease? Wright FW, et al. Br J Radiol 44:511-4, Jul 71
The variable manifestations of sclerosing fibrosis. Dalinka MK, et al. J Can Assoc Radiol 21:280-6, Dec 70
[Value of radiology in retroperitoneal fibrosis with stress on free flow inferior vena cava phlebography] Michel JR, et al. Ann Radiol (Paris) 14:409-17, May-Jun 71 (Fre)
[Value of lymphography in the diagnosis of abdominal diseases] Jacot C. Rev Clin Esp 121:1-12, 15 Apr 71 (Spa)

SURGERY

The combined surgical and medical treatment of retroperitoneal fibrosis. Ross JC, et al. Br J Surg 58:422-7, Jun 71
[Clinical applications of the experimental replacement of the ureter with silicone elastomers tubes] Auvert J, et al. J Urol Nephrol (Paris) 76:734-41, Jul-Aug 70 (Fre)

RETROPERITONEAL NEOPLASMS

(C2)

Osteogenic sarcoma of the somatic soft tissues. Clinicopathologic study of 26 cases and review of literature. Allan CJ, et al. Cancer 27:11121-33, May 71
Retroperitoneal cystic lymphangioma. Peralta MM Jr, et al. Int Surg 55:113-8, Feb 71
Retroperitoneal liposarcoma. Fernandez AJ, et al. J Ky Med Assoc 68:651-4, Oct 70
Retroperitoneal malignant mesenchymoma. Sharma TC, et al. J Urol 106:60-6, Jul 71
Retroperitoneal teratoma. Five-year survival in adolescence. Mamakos MS. NY State J Med 71:1838-40, 1 Aug 71
[A case of a rare retroperitoneal tumor] Pekhlivanov K, et al. Akush Ginekol (Sofiia) 10:161, 1971 (Bul)
[A giant retroperitoneal lipoma: case report] Homorodeanu I, et al. Acta Gastroenterol Belg 32:782-6, Oct 69 (Fre)
[Does necrosis of a seminoma of the testis explain the apparently primary lymph node involvement?] Leger L, et al. Chirurgie 97:36-40, 13 Feb 71 (Fre)
[Presacral ganglioneuroma in an adult] Touzard R. J Chir (Paris) 101:577-81, May-Jun 71 (Fre)
[Case of metastatic tumor of the right hypochondrium] Brassinne A, et al. Rev Med Liege 23:698-9, 15 Nov 68 (Fre)
[A case of neurinoma of the pelvic sub-peritoneal space] Rinaldi G. Rass Int Clin Ter 50:1470-81, 15 Dec 70 (Ita)
[Retroperitoneal tumors] Jacyna-Onyszkiewicz T, et al. Pol Przegl Chir 42:1188-92, Aug 70 (Pol)
[Giant retroperitoneal lipoma in a child] Grigovich IN, et al. Vestn Khir 105:83, Oct 70 (Rus)
[Retroperitoneal leiomyoma (case report)] Kochenkova AV, et al. Vopr Onkol 16:88-90, 1970 (Rus)
[Malignant retroperitoneal tumors] Cubillos L. Rev Med Chil 99:608-14, Aug 71 (Spa)
[Embryonal tumors of the retroperitoneal space and small pelvis in children] Kukuruza IuP, et al. Pediatr Akush Ginekol 2:30-1, Mar-Apr 70 (Ukr)

COMPLICATIONS

Cushing's syndrome caused by malignant tumor in the scrotum: clinical, pathologic and biochemical studies. Morimoto Y, et al. J Clin Endocrinol Metab 32:201-10, Feb 71
[Lower ureter syndrome of extrinsic norigin: pelvic ureter strangulation due to retroperitoneal sclerolipomatosis] Auvray P, et al. Acta Urol Belg 38:80-6, Jan 70 (Fre)
[Pemphigoid lichen: para-neoplastic dermatosis?] Midana A, et al. Bull Soc Fr Dermatol Syphiligr 76:313-4, 1969 (Fre)
[Tumors of the neural crest with chronic diarrhea] Fregonese B, et al. Minerva Pediatr 21:1699-704, 15 Sep 69 (Ita)

CONGENITAL

[2 cases of congenital neuroblastoma] Ferracini R, et al. Arch Ital Anat Istol Patol 42:409-28, 1969 (Ita)

DIAGNOSIS

Lymphangiomyomatosis. A clinical-roentgenologic-pathologic syndrome. Miller WT, et al. Am J Roentgenol Radium Ther Nucl Med 111:565-72, Mar 71
Chronic retroperitoneal hematomas in children. Johnson CF, et al. Arch Surg 102:214-5, Mar 71
Multicystic retroperitoneal lymphangioma in an infant appearing as an inguinal hernia. Kafka V, et al. J Pediatr Surg 5:573, Oct 70
[Pulmonary opacity in a tuberculous patient, tumor of the left hypochondrium and splenic vein thrombosis] Mesmacque R, et al. Lille Med 15:1286-9, Nov 70 (Fre)
[Retroperitoneal mesenchymatous tumor. A case of lipogranuloxanthoma] Grivaux M, et al. Sem Hop Paris 46:3427-36, 20 Dec 70 (Fre)
[Diagnosis of primary retroperitoneal tumors] Rotte KH, et al. Dtsch Gesundheitsw 25:2397-405, 17 Dec 70 (32 ref.) (Ger)
[Anhidrosis of the sole. Symptom of retroperitoneal tumor invasion] Schliack H, et al. Dtsch Med Wochenschr 96:977-9, 4 Jun 71 (Ger)
[Neurogenic tumors in childhood with special reference to malignant tumors of the sympathicus] Holschneider A, et al. Med Welt 31:1224-9, 7 Aug 71 (Ger)
[Ultrasonic diagnosis of retroperitoneal processes] Engelhart GJ. Schweiz Med Wochenschr 101:745-7, 22 May 71 (Ger)
[Primary cystic retroperitoneal tumor] Paul G, et al. Z Urol Nephrol 62:307-12, 1969 (Ger)
[Case of voluminous retroperitoneal liposarcoma simulating an ovarian neoplasm] Rondinelli M. Minerva Ginecol 21:743-52, 30 Jun 69 (Ita)
[Retroperitoneal teratoma in infants] Masuda F, et al. Jap J Urol 62:175-83, Feb 71 (Jap)
[Autopsy case of retroperitoneal rhabdomyosarcoma primarily presenting as myelopathy] Iwashita H, et al. Naika 27:781-4, Apr 71 (Jap)
[Radioisotope diagnosis of retroperitoneal metastases of malignant testicular neoplasms] Gorbadef NK, et al. Vopr Onkol 17:30-5, 1971 (Rus)
[Laparoscopy in the diagnosis of abdominal and retroperitoneal tumors in children] Kushch NL, et al. Vopr Onkol 16:24-8, 1970 (Rus)
[Diagnosis of retroperitoneal tumors] Malatinský E, et al. Bratisl Lek Listy 55:223-30, 1971 (Slo)

DRUG THERAPY

Chemotherapy of malignant hemangiopericytoma of childhood. Report of a case and review of the literature. Ortega JA, et al. Cancer 27:730-5, Mar 71

ENZYMOLOGY

[Ultrastructural and histochemical study of a multiple tissue mesenchymoma] Adnet JJ, et al. Arch Anat Pathol (Paris) 19:81-90, Mar 71 (Fre)

METABOLISM

[Noradrenaline secreting neuroblastoma] Kumamoto Y, et al. Jap J Urol 61:1017-21, Oct 70 (Jap)

MICROBIOLOGY

[The viral etiology of human sarcomas] Bergol'ts VM. Vopr Virusol 15:515-7, Sep-Oct 70 (Rus)

PATHOLOGY

Intra-abdominal desmoid tumor. Dong-Heup K, et al. Cancer 27:1041-5, May 71
Metastasizing retroperitoneal fibroxanthoma (malignant fibroxanthoma). Rosas-Uribe A, et al. Cancer 26:827-31, Oct 70
Retroperitoneal neuroblastoma associated with a cystic teratoma. Chuahirun S, et al. J Med Assoc Thai 54:134-9, Feb 71
Extragonadal testicular tumors. Utz DC, et al. J Urol 105:271-4, Feb 71
Extragonadal testicular tumors. Utz DC, et al. Trans Am Assoc Genitourin Surg 62:179-82, 1970
[Primary retroperitoneal tumors. Anatomoclinical and biological findings in 67 cases] Trentini GP, et al. Arch De Vecchi Anat Patol 55:17-90, Jun 69 (Ita)
[Case of synovial sarcoma localized in the retroperitoneum] Eusebi V, et al. Arch Ital Anat Istol Patol 43:260-70, 1970 (Ita)
[Retroperitoneal vascular hamartoma. (Case studies)] Barbieri G. Riv Anat Patol Oncol 35:310-20, 1969 (Ita)
[On retroperitoneal lipomas (anatomopathologic, clinical and therapeutic findings)] Gulinati G, et al. Riv Patol Clin Sper 9:425-42, Oct-Dec 68 (Ita)
[Case of malignant granular cell tumor] Yamamoto H. Jap J Clin Pathol 18:811-2, Nov 70 (Jap)
[Retroperitoneal tumors] Smiech-Brudnik B, et al. Pol Tyg Lek 25:1292-4, 24 Aug 70 (Pol)

RADIOGRAPHY

The "pseudotumor" of retroperitoneal tuberculous lymphadenitis. Two case reports including lymphangiographic study. Johnson JC, et al. Am J Roentgenol Radium Ther Nucl Med 111:554-61, Mar 71
Teratomas in infants and children. Partlow WF, et al. Am J Roentgenol Radium Ther Nucl Med 112:155-66, May 71
Lumbar angiography in the diagnosis of primary retroperitoneal tumors. Lowman RM, et al. Surg Gynecol Obstet 132:597-602, Apr 71
Ascending lumbar phlebography in malignancy. Katsube Y, et al. Yonago Acta Med 14:70-5, Aug 70
[The radiological diagnosis of primary retroperitoneal tumors in adults. Contribution of arteriography and lymphography] Bismuth V, et al. Ann Radiol (Paris) 14:419-36, May-Jun 71 (Fre)
[Difficulties of arteriographic diagnosis of true retroperitoneal tumors in adults (5 cases)] Lamarque JL, et al. J Radiol Electrol Med Nucl 51:625-32, Nov 70 (Fre)
[Neurogenic retroperitoneal tumors in adults] Lemaitre G, et al. J Radiol Electrol Med Nucl 52:94-7, Jan-Feb 71 (Fre)
[Retroperitoneal fibroblastic sarcoma: value of vascular and lymphographic explorations] Bismuth V, et al. Sem Hop Paris 47:1912-6, 20 Jun 71 (Fre)
[Primary hemangioma of the duodenum?] Nekula J, et al. Fortschr Geb Roentgenstr Nuklearmed 113:117-8, Jul 70 (Ger)
[Renal angiography in childhood] Kuffer F, et al. Helv Paediatr Acta 25:224-33, Jul 70 (Ger)
[Value of lymphography in the diagnosis of retroperitoneal metastases in malignant testicular neoplasms] Körner F, et al. Langenbecks Arch Chir 322:822-5, 1968 (Ger)
[Diagnosis of primary retroperitoneal tumors] Jochem B, et al. Med Klin 66:963-70, 25 Jun 71 (Ger)
[Incidence and localization of the involvement of the retroperitoneal lymph nodes in lymphogranulomatosis] Blaudow K, et al. Radiobiol Radiother (Berl) 11:105-19, 1970 (Ger)
[Significance of repeated lymphography in hemoblastoses] Röder K. Z Gesamte Inn Med 26:62-6, 15 Jan 71 (Ger)
[Lymphographic studies in the department of orthopedic surgery] Udvarhelyi I. Z Orthop 108:81-8, Jul 70 (Ger)
[Retroperitoneal teratoma in adults. (Report on 2 cases)] Hofmeier G, et al. Zentralbl Chir 95:158-64, 31 Jan 70 (Ger)
[Significance of mesenteric collateral circulation in venae cavae and iliac vein obstructions] Bocchi R. Ann Radiol Diagn (Bologna) 42:459-66, Sep 69 (Ita)
[Angiographic diagnosis of abdominal masses in children suspected of renal and retroperitoneal malignancy] Hidai H, et al. Acta Urol Jap 17:121-36, Feb 71 (Jap)
[Errors in the diagnosis of nonorganic retroperitoneal tumors] Cherkes VL. Khirurgiia (Mosk) 45:96-101, Sep 69 (Rus)
[Aortography and lymphadenography in children with retroperitoneal neoplasms] Nurgaliev ZB, et al. Khirurgiia (Mosk) 46:85-8, Jul 70 (Rus)
[Diagnosis of lesions of the retroperitoneal lymph nodes in lymphogranulomatosis] Shnirel'man AI, et al. Med Radiol (Mosk) 16:40-3, Mar 71 (Rus)

RADIOTHERAPY

[Regression of lymphovenous shunts after tumor therapy] Janssen N, et al. Fortschr Geb Roentgenstr Nuklearmed 113:503-9, Oct 70 (Ger)

SURGERY

Second-look operation for retroperitoneal cancer in childhood. Stanley-Brown EG, et al. NY State J Med 71:674-6, 15 Mar 71
"Nonresectable" retroperitoneal tumor in a poor-risk patient. Goldsmith HS. Surg Clin North Am 50:1059-65, Oct 70
Accidental excision of the superior mesenteric artery. Technical and physiological considerations. Ikard R, et al. Surg Clin North Am 50:1075-85, Oct 70
[10 cases of retroperitoneal tumor (surgical problems)] Hivet M, et al. Ann Chir 24:1321-30, Dec 70 (Fre)
[Apropos of a case of periureteral retroperitoneal sclerolipomatosis] Martin-Laval D. J Urol Nephrol (Paris) 76:768-70, Jul-Aug 70 (Fre)
[Surgical treatment of soft tissue tumors] Cauchon R. Laval Med 41:22-3, Jan 70 (Fre)
[Value of a second look in surgery of abdominal cancers. Statistical analysis] Molnar L, et al. Presse Med 79:1007-9, 1 May 71 (Fre)
[Hypoglycemizing extrapancreatic tumors: case of retroperitoneal non-chromaffin paraganglioma] Wiel Marin A, et al. Chir Patol Sper 17:483-97, Dec 69 (Ita)
[Retroperitoneal lipoma] Romslo I. Tidsskr Nor Laegeforen 91:288-1, 10 Feb 71 (Nor)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Liposarcoma of the retroperitoneal space] Dutkiewicz A. Pol Przegl Chir 43:585-8, 1971 (Pol)
[Primary retroperitoneal tumors of the abdomen] Podworski H, et al. Wiad Lek 23:2079-85, 1 Dec 70 (Pol)
[Some characteristics and treatment principles of non-organ retroperitoneal neoplasms] Kovalevskiĭ EO, et al. Vestn Akad Med Nauk SSSR 26:79-82, 1971 (Rus)
[Retroperitoneal teratoid tumor of giant dimensions] Lesovof AV. Vestn Khir 105:113-4, Aug 70 (Rus)
[Successful removal of a tumor located simultaneously in the retroperitoneal space and thoracic cavity in a 7-year-old child] Kiselev AV. Vopr Okhr Materin Det 15:83-4, Sep 70 (Rus)

THERAPY

Chemotherapy of malignant hemangiopericytoma of childhood. Report of a case and review of the literature. Ortega JA, et al. Cancer 27:730-5, Mar 71

RETROPERITONEAL SPACE (A3)

Retroperitoneal perforation of duodenal ulcers with abscess formation. Report of four cases and survey of the literature. Hashmonai M, et al. Ann Surg 173:409-14, Mar 71
Chronic retroperitoneal hematomas in children. Johnson CF, et al. Arch Surg 102:214-5, Mar 71
Retroperitoneal xanthogranulomas. Case report of favorable response following irradiation. Ozarda AT, et al. Cancer 26:1109-11, Nov 70
Etiology of infertility after retroperitoneal lymphadenectomy. Kom C, et al. J Urol 105:528-30, Apr 71
Retroperitoneal hemorrhage. Ravitch MM. Med Times 98:175-7, Sep 70
The tumbling bullet. A sign of retroperitoneal abscess. Mittelholzer E, et al. Radiology 97:625-7, Dec 70
Compromised renal function secondary to spontaneous retroperitoneal hemorrhage. Pappas G, et al. Rocky Mt Med J 68:36-8, Feb 71
Benign fibrous mesothelial cyst of the retroperitoneum. Vickery RE. South Med J 64:762-3, Jun 71
The management of an abdominal mass recurring after resection of abdominal aortic aneurysm. Dillon ML, et al. Surg Clin North Am 50:1021-9, Oct 70
Complete avulsion of kidney into chest complicated by hypofibrinogenemia. Heeb MA, et al. Surgery 69:932-5, Jun 71
[Occurrence and surgery of a giant retroperitoneal cyst] Novotná L. Rozhl Chir 50:288-9, May 71 (Cze)
[Left perirenal hematoma and adrenal infarction after porto-renal anastomosis. Usefulness of the study of the anastomotic channels of the left renal vein] Gillot C, et al. Chirurgie 97:438-45, May-Jun 71 (Fre)
[2 retroperitoneal hematomas revealing an angiomyolipoma of the kidney and an adrenal metastasis from a lung cancer] Guivarc'h M, et al. Chirurgie 97:431-7, May-Jun 71 (Fre)
[Amyloid tumors] Péquignot H, et al. Sem Hop Paris 47:1144-7, 14 Apr 71 (Fre)
[Lymphographic identification of a lymphatic fistula from the retroperitoneal lymphatic system of the pelvis into the free abdominal cavity] Friedrich P, et al. Fortschr Geb Roentgenstr Nuklearmed 113:533-5, Oct 70 (Ger)
[Indication and technic of retroperitoneal lymph node excision in malignant testicular neoplasms] Albrecht KF. Langenbecks Arch Chir 322:825-8, 1968 (Ger)
[Rare localization of hydatidosis: retroperitoneal space. Case report] Giardino R, et al. Ann Ital Chir 45:769-79, 1969 (Ita)
[Intestinal occlusion caused by retroperitoneal cysts of wolffian origin] Negrone G. Rass Int Clin Ter 49:1280-4, 31 Oct 69 (Ita)
[Renal angiomyolipoma associated with fibromuscular dysplasia. An uncommon cause of retroperitoneal hemorrhage] Montero García A, et al. Rev Clin Esp 117:181-6, 30 Apr 70 (Spa)

INJURIES

Upper retroperitoneal injuries. Attard J. Br J Surg 58:55-60, Jan 71
Retroperitoneal injury to the duodenum by blunt abdominal trauma: report of eight cases. Wilson TS, et al. Can J Surg 14:114-21, Mar 71
[Traumatic retroperitoneal tumor?] Grosdidier J, et al. Sem Hop Paris 46:2643-4, 14 Oct 70 (Fre)

PHYSIOPATHOLOGY

[Diagnosis of reanimation. Syndrome of subphrenic retroperitoneal irritation] Eydan R. Anesth Analg (Paris) 28:273-84, Mar-Apr 71 (Fre)

RADIOGRAPHY

Retroperitoneal abscess with gas after perforation. Henriksson LE. Acta Radiol [Diagn] (Stockh) 11:220-4, Mar 71
[Lymphography in internal medicine] Comhaire F. Acta Clin Belg 25:288-311, 1970 (Dut)
[Value of combined vena cava phlebography and lymphography in retroperitoneal adenopathy] Reboul J, et al. J Radiol Electrol Med Nucl 50:765-7, Oct 69 (Fre)
[Lymphographic studies on the retroperitoneal lymph node lesions in sarcoidosis] Blaudow K, et al. Dtsch Gesundheitsw 25:1504-8, 6 Aug 70 (Ger)
[Radiographic symptomatology of small riht-sided paraduodenal hernias] Thiemann KJ, et al. Fortschr Geb Roentgenstr Nuklearmed 113:1-9, Jul 70 (Ger)

SURGERY

Retroperitoneal lymph node dissection--a maneuver permitting improved exposure. Immergut M, et al. J Urol 105:107-8, Jan 71

RETROPNEUMOPERITONEUM (E1)

Importance of pneumoradiography for diagnosing late stages of chronic pyelonephritis. Teichmann V, et al. Acta Univ Carol [Med] (Praha) 16:479-86, 1970
Demonstration of the normal adrenal gland by venography and gas insufflation. McLachlan MS, et al. Br J Radiol 44:664-71, Sep 71
Retroperitoneal pneumography in the investigation of adrenal disease. McLachlan MS, et al. Clin Radiol 22:188-97, Apr 71
[Pneumoretroperitoneum and modern retroperitoneal radiodiagnostics] Teichmann V. Sb Lek 73:36-44, Feb 71 (Cze)
[Clinical efficiency of frontal pancreatic tomography after pneumo- and retro-pneumoperitoneum] Crismer R, et al. Acta Gastroenterol Belg 34:122-8, Jan 71 (Fre)
[Pancreatic exploration by sagittal tomography under combined pneumo- and retro-pneumoperitoneum: normal aspects] Pietri H, et al. Acta Gastroenterol Belg 34:129-37, Jan 71 (Fre)
[Pneumomediastinum and retropneumoperitoneum obtained from gas myelography] Chabannes J, et al. J Radiol Electrol Med Nucl 50:Suppl 5:479+, May 69 (Fre)
[Distorsion of the shadow of normal kidneys and their cavities during pneumoretroperitoneum in urologic practice] Svirin IL. Vestn Rentgenol Radiol 45:48-51, Jan-Feb 70 (Rus)

RETROSPECTIVE STUDIES (E5)

Matching in retrospective studies. Hardy RJ, et al. Am J Epidemiol 93:75-6, Feb 71

REVERIN see ROLITETRACYCLINE (D3)

REVERSAL LEARNING (F1)

Behavioral deficits in monkeys after selective lesions within the middle third of sulcus principalis. Butters N, et al. J Comp Physiol Psychol 76:8-14, Jul 71
Function of striate and temporal cortex in the tree shrew. Killackey H, et al. J Comp Physiol Psychol 74:Suppl 2:1-29, Jan 71
Hyperstriatal lesions in pigeons: effects on response inhibition, behavioral contrast, and reversal learning. Macphail EM. J Comp Physiol Psychol 75:500-7, Jun 71
The effects of amount of training per reversal on successive reversals of a color discrimination. Beale IL. J Exp Anal Behav 14:345-52, Nov 70
Optional intradimensional and extradimensional shifts in children as a function of age. Campione JC. J Exp Psychol 84:296-300, May 70
Effects of variable-irrelevant dimensions on the discrimination reversal learning of nursery school children. Nolan JD, et al. J Exp Psychol 86:428-33, Dec 70
Spatial discrimination reversal learning for mice genetically selected for differing brain size: a supplementary report. Elias MF. Percept Mot Skills 30:239-45, Feb 70
Relationship between GSR, heart rate, and reversibility of a Necker Cube. Roland BC. Percept Mot Skills 30:36-8, Feb 70
[Effect of lesions and electric stimulation of the telencephalon on operant behavior and reversal learning in pigeons] Zeier H, et al. Z Tierpsychol 26:866-76, Nov 69 (Ger)
[Effects of chlordiazepoxide on black-white discrimination acquisition and reversal in rats] Iwahara S, et al. Jap J Psychol 41:142-50, Aug 70 (Jap)

DRUG EFFECTS

Effects of magnesium pemoline in dimethylsulfoxide on reversal learning, motor activity, and water intake. Boitano JJ, et al. Psychol Rep 28:71-9, Feb 71
Effects of insulin, metrazol, and electroconvulsive shocks upon learning to learn 30 successive reversal problems by rats. Tsai LS, et al. Psychol Rep 26:551-8, Apr 70

REVONAL see METHAQUALONE (D6)

REWARD (F1)

Relationship of reward and stated expectancy in mentally retarded patients. Chandler A, et al. Am J Ment Defic 75:761-2, May 71
A token economy program evaluation with untreated control ward comparisons. Gripp RF, et al. Behav Res Ther 9:137-49, May 71
The relevance of economic theory and technology to token reinforcement systems. Winkler RC. Behav Res Ther 9:81-8, May 71
Steady potential correlates of positive reinforcement and sleep onset in the cat; 'reward contingent positive variation' (RCPV). Marczynski TJ, et al. Brain Res 26:305-32, 5 Mar 71
Diffuse light input and quality of reward determine the occurrence of 'reward contingent positive variation' (RCPV) in cat. Marczynski TJ, et al. Brain Res 28:57-70, 16 Apr 71
Cholinergic mechanism determines the occurrence of reward contingent positive variation (RCPV) in cat. Marczynski TJ. Brain Res 28:71-83, 16 Apr 71
Differences in the electrophysiological correlates upon receipt of a food reard and nonreward i the rat. Norton PR. Brain Res 24:134-8, 11 Nov 70
The relationship between intentional learning, incidental learning, and type of reward in preschool, educable, mental retardates. Ross D. Child Dev 41:1151-8, Dec 70
Relation of speech patterns in psychotherapy to empathic ability, responsiveness to approval and dapproval. Staples FR, et al. Dis Nerv Syst 31:Suppl:100-4, Nov 70
The effects of reward and level of aspiration on students with deviant behavior. Noffsinger T. Except Child 37:355-64, Jan 71
The interaction of hypothalamic self-stimulation and temperature regulation. Carlisle HJ, et al. Experientia 26:1092-3, 15 Oct 70
Visual unpatterned input determines the occurrence of reward-contingent positive variation. Marczynski TJ, et al. Experientia 27:51-2, 15 Jan 71
Effects of target value and exposure duration on recall in a visual search task. Taub HA, et al. J Appl Psychol 55:393-8, Aug 71
Rewarded goal-box placements and subsequent instrumental performance in rats. Capaldi ED. J Comp Physiol Psychol 76:152-9, Jul 71
Evidence for a conflict interpretation of anomalous effects of rewarding brain stimulation. Kent E, et al. J Comp Physiol Psychol 69:381-90, Oct 69
Forebrain pathways of reward in Rattus norvegicus. Routtenberg A. J Comp Physiol Psychol 75:269-76, May 71
Effects of anosmia on apparent double alternation in the rat. Seago JD, et al. J Comp Physiol Psychol 71:435-42, Jun 70
Development of preference for delayed reinforcement in disadvantaged children. Wallis RT, et al. J Educ Psychol 61:118-23, Apr 70
Effect of incentives and age on the visual recognition of retarded readers. Goyen JD, et al. J Exp Child Psychol 11:266-73, Apr 71
Effect of incentives upon retarded and normal readers on a visual-associated learning task. Goyen JD, et al. J Exp Child Psychol 11:274-80, Apr 71
Informative properties of a blank trial: effect of environmental stimuli associated with blanks on resistance to extinction. Vogel-Sprott M. J Exp Psychol 89:419-21, Aug 71
When does dissonance fail? The time dimension in attitude measurement. Crano WD, et al. J Pers 38:493-508, Dec 70
Response to social and monetary reward in neurosis. Sloane RB, et al. J Psychiatr Res 7:227-36, Jul 70
Labour rewarded. Clayton HH. Nature (Lond) 231:339, 4 Jun 71
Effect of ACTH on extinction of rewarded behaiour is blocked by previous administration of ACTH. Gray JA. Nature (Lond) 229:52-4, 1 Jan 71
Discrimination learning, social class, and type of reward. Norton JC, et al. Psychol Rep 27:803-5, Dec 70
A group token program for the education of the mentally ill. Tenbrunsel TW, et al. Psychol Rep 28:743-6, Jun 71
Secondary reinforcement based on primary brain stimulation reward. Trowill JA, et al. Psychol Rep 27:715-8, Dec 70
Tongue cooling: a new reward for thirsty rodents. Mendelson J, et al. Science 170:1418-21, 25 Dec 70
Possible etiology of schizophrenia: progressive damage to the noradrenergic reward system by 6-hydroxydopamine. Stein L, et al. Science 171:1032-6, 12 Mar 71
Altruism is rewarding. Weiss RF, et al. Science 171:1262-3, 26 Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RH FACTORS (D12)

ABO--Rh interaction. A study of five cases. Chattopadhyay PK.
Acta Genet Med Gemellol (Roma) 19:477-85, Jul 70
Therapeutic abortion as a possible source of Rh immunization. Hollán SR, et al.
Acta Med Acad Sci Hung 27:337-40, 1970
Ectopic spleen in an Rh incompatible infant. Iancu T, et al. Acta Paediatr Scand 60:353-6, May 71
Minimal brain injury and its psychological aspects in children with RH-immunization. Rautavuori M, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:102, 1970
Management of the Rh-negative gravida. Charles AG, et al. Am Fam Physician 3:104-19, Mar 71
Rho(D) immune globulin to prevent RH hemolytic disease. White CA Jr, et al.
Am Fam Physician 3:85-9, Feb 71
"Last minute" blood grouping and Rh typing. Brosius OC, et al. Am J Med Technol 36:508-9, Oct 70
Effect of varying the cross match procedure upon detection of anti-D and anti-Kell. Simmons A, et al.
Am J Med Technol 37:83-6, Mar 71
Prevention of Rh immunization after transfusion with Rh-positive blood. McElrath TG, et al.
Am J Obstet Gynecol 110:309-10, 1 Jun 71
Role of spontaneous abortion in Rh immunization. Queenan JT, et al.
Am J Obstet Gynecol 110:128-30, 1 May 71
Successful pregnancy following artificial hyperimmunization to hr'(c). Wagner AL Jr, et al.
Am J Obstet Gynecol 110:739, 1 Jul 71
Concerning the journal's abortion issue. Freda VJ.
Am J Public Health 61:1284-5, Jul 71
Rhesus immunization before delivery of the first baby. Aickin DR. Aust NZ J Obstet Gynaecol 10:93-5, May 70
The place for anti-D gamma globulin in abortion. Edwards RF.
Aust NZ J Obstet Gynaecol 10:96-8, May 70
Single dilution radio-immune assay for the determination of anti-Rh-o (D) content of Rh-o (D) immune globulin. Paul EB, et al.
Biochem Biophys Res Commun 40:1380-4, 30 Sep 70
Blood group and secretor status in tropical sprue. Menéndez-Corrada R, et al.
Bol Asoc Med PR 62:125-7, Apr 70
Primary rhesus immunization of male volunteers. Cook IA. Br J Haematol 20:369-75, Apr 71
The use of modified cells to indice an anti-Rh response. Gunson HH, et al. Br J Haematol 21:359-60, Sep 71
Prediction of the severity of rhesus haemolytic disease by means of antibody titrations performed on the Autoanalyzer. Tovey LA, et al.
Br J Haematol 20:25-33, Jan 71
Correlation of Rhesus (Rh) and personality factors. Mai FM, et al. Br J Soc Clin Psychol 9:83-4, Feb 70
Two populations of Rh groups together with chromosomally abnormal cell lines in the bone marrow. Callender ST, et al. Br Med J 1:131-3, 16 Jan 71
Chromosome mapping. Br Med J 1:128-9, 16 Jan 71
RhoGam--current status. Russell KP.
Calif Med 113:44-5, Dec 70
Role of Rh o (D) immune globulin in induced abortions. Queenan JT. Clin Obstet Gynecol 14:235-44, Mar 71
Interaction between ABO and rhesus blood groups, the site of origin of gastric cancers, and the age and sex of the patient. Glober GA, et al. Gut 12:570-3, Jul 71
The role of RhoGAM in therapeutic and spontaneous abortion. Sprague C. Hawaii Med J 29:450-1, Jul-Aug 70
A state program for prevention of sensitization to Rh factor. Umansky I, et al.
HSMHA Health Rep 86:212-6, Mar 71
The hydrational effect of alkali metal and halide ions on the Rh-anti-Rh system. Good W, et al.
Immunology 20:37-42, Jan 71
Observations on the reactions between D-positive red cells and (125 I)IgM anti-D molecules and subunits. Holburn AM, et al. Immunology 21:499-507, Sep 71
Immunisation of blood donors for the production of high titre anti-D antibody--a preliminary report. Kulkarni KV, et al.
Indian J Pathol Bacteriol 12:167-8, Oct 69
The immunocyto-adherence of Rh (D) positive erythrocytes to mononucleated cells from the peripheral blood of rhesus isoimmunised individuals. Elson CJ, et al.
Int Arch Allergy Appl Immunol 40:382-97, 1971
Assay of anti-D using the Technicon Auto-Analyzer and the international standard anti-D typing serum. Judd WJ, et al. J Clin Pathol 23:801-4, Dec 70
The role of RH antibodies in causing haemolytic disease of the newborn and in preventing it. Mollison PL.
J Clin Pathol 24:479-80, Jul 71
Liquor examination in the management of RH isoimmunization. Walker W.
J Clin Pathol 24:480, Jul 71
Modern management of the Rh incompatible pregnancy. Foss D. J Kans Med Soc 71:391-3, Oct 70
The significance of rises in rhesus antibody titre following amniocentesis. Aickin DR.
J Obstet Gynaecol Br Commonw 78:149-54, Feb 71
Failures of Rh immunoprophylaxis. Davey MG.
Lancet 1:1130-1, 29 May 71
Naturally occurring anti-Rh(E) in one identical twin but not the other. Hopkins DF.
Lancet 2:409-10, 21 Aug 71
Splenectomy and prevention of Rh sensitisation. Huchet J, et al. Lancet 1:603, 20 Mar 71
Failures of Rh immunoprophylaxis. Jorgensen J, et al.
Lancet 1:78-9, 9 Jan 71
Role of induced abortion in rhesus immunisation. Queenan JT, et al. Lancet 1:815-7, 24 Apr 71
Advances in treatment of RH negative blood incompatibility of mothers and infants. Chinn PC, et al. Ment Retard 9:12-5, Feb 71 (13 ref.)
Role of Rho(D) immune globulin in induced abortions. Queenan JT. Mod Treat 8:159-68, Feb 71
Rh-incompatible platelets. De Veber LL.
N Engl J Med 285:120-1, 8 Jul 71
Rh-incompatible platelet transfusions--risks and consequences of sensitizing immunosuppressed patients. Goldfinger D, et al.
N Engl J Med 284:942-4, 29 Apr 71
Rh-immunisation and its prevention. Woodrow JG.
Nord Med 85:704-5, 3 Jun 71
Abortion sequel--Rh problems.
Northwest Med 70:29, Jan 71
Intrauterine fetal transfusion in the management of Rh disease. Bashore RA, et al.
Obstet Gynecol 38:79-85, Jul 71
Amniocentesis of the sensitized Rh-negative patient. A combined study in 2 community hospitals. Price JJ, et al. Obstet Gynecol 37:829-35, Jun 68
Anthropological studies of South-Sinai Bedouins. Bonné B, et al. Pathol Microbiol (Basel) 35:205-9, 1970
Blood groups and the rhesus factor. Tovey GH.
Practitioner 206:736-42, Jun 71
Standarization of anti-D for use in the prevention of Rh sensitization. Hughes-Jones NC.
Progr Immunobiol Stand 4:279-81, 1970
Preparation of anti-D immunoglobulin for clinical use. Maycock WD, et al.
Progr Immunobiol Stand 4:272-8, 1970
The spectrum of Rh iso-immunized pregnancies as seen through amniotic fluid analysis. Taliedo OE, et al.
South Med J 64:10-4, Jan 71
Transient production of anti-LW by LW-positive people. Chown B, et al.
Transfusion 11:220-2, Jul-Aug 71
Maternal Rh antibody and delayed neonatal expression of Rh antigen. Cohen F, et al.
Transfusion 10:247-53, Sep-Oct 70
Maternal anti-LW. DeVeber LL, et al.
Transfusion 11:33-5, Jan-Feb 71
Detection of fetal maternal hemorrhage: an evaluation of serological tests related to Rh-o(D) immune globulin (human). Polesky HF, et al.
Transfusion 11:162-5, May-Jun 71
The Rh gene complex cD-segregating in a negro family. Leyshon WC. Vox Sang 13:354-6, Oct 67
Immunodiffusion tests with Rh antigens and antibodies. Milgrom F, et al. Vox Sang 16:470-7, Jun 69
Influence of the parental Rhesus types on the segregation of genetic abnormalities. Nijenhuis LE.
Vox Sang 19:496-507, Nov-Dec 70
An evaluation of the single-channel autoanalyzer in the quantitation of anti-Rh-o. Sturgeon P, et al.
Vox Sang 19:14-33, Jul 70
[Trans-abdominal amniocentesis and spectrophotometric study of amniotic fluid Rh sensitized in pregnant women] Arnaudova R, et al.
Akush Ginekol (Sofiia) 8:369-85, 1969 (Bul)
[Atypical finding of Rh blood group] Kytilcová J, et al.
Vnitr Lek 17:7-10, Jan 71 (Cze)
[The clinical significance of chorionic gonadotrophin excretion in rhesus antagonism] Huisjes HJ, et al.
Ned Tijdschr Geneeskd 115:361-3, 27 Feb 71 (Dut)
[Prevention of Rh immunization in Finland. Results obtained in a two-year national anti-D programme] Eklund J, et al. Duodecim 87:861-6, 1971 (Fin)
[Adaptation of immunofluorescent methods to the direct determination of erythrocyte group factors in hemolyzed blood and blood stains. Medico-legal application] Pollet P.
Arch Belg Med Soc 27:447-65, Jul 69 (Fre)
[A case of fetal transfusion in utero] Dumont M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:428-30, Sep-Oct 69 (Fre)
[Prevention of Rhesus immunization. Remarks apropos of 180 cases] Selva J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:124-7, Jan-Mar 71 (Fre)
[Use of massive doses, during pregnancy, of ethinyl estradiol in established Rhesus incompatibility. Initial results] Zurlinden B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:69-72, Jan-Mar 71 (Fre)
[Abnormally high incidence of negative Rh phenotype in individuals having a low reactivity of erythrocytic substance H] Ducos J, et al.
C R Acad Sci [D] (Paris) 271:744-7, 24 Aug 70 (Fre)
[The prevention of rhesus hemolytic disease with anti-D gamma globulin] Battin J.
Cah Med 11:1099-104, 10 Nov 70 (Fre)
[Mechanism and prevention of Rhesus factor iso-immunization (practical problems and present possibilities)] Delecour M, et al.
Lille Med 15:1295-302, Nov 70 (Fre)
[Do anti-Rh gamma globulins leave a role for citroflavonoids and carbazochrome in the prevention of feto-maternal immunization?] Mahon R, et al.
Minerva Ginecol 22:692-3, 13 Jul 70 (Fre)
[Trial prevention of fetomaternal immunization with anti-D gamma globulins on a regional basis] Moulinier J, et al. Minerva Ginecol 22:696-7, 13 Jul 70 (Fre)
[Adverse effects of an injection of anti-Rh gamma-globulin due to the presence of anti-gamma A antibodies] Rivat L, et al.
Presse Med 78:2072, 7 Nov 70 (Fre)
[Fetal prognosis of "primo-immunized" pregnancies in feto-maternal incompatibility to Rhesus factor (309 cases)] Palliez R, et al.
Rev Fr Gynecol Obstet 65:697-706, Dec 70 (Fre)
[Transplacental passage of fetal erythrocytes during pregnancy and the post-partum period] Palliez R, et al. Rev Fr Gynecol Obstet 65:579-84, Oct 70 (Fre)
[Selective prevention of Rhesus iso-immunization using anti-D immunoglobulin: our initial results] Schlaeder G, et al.
Rev Fr Gynecol Obstet 64:321-3, Jun 69 (Fre)
[Possibilities of sensitization of female children by D antigen after blood transfusion] Djuric V, et al.
Rev Fr Transfus 13:435-6, Dec 70 (Fre)
[Anti-D immunoglobulins. Comparative effectiveness of intra-muscular and intravenous routes] Huchet J, et al. Rev Fr Transfus 13:231-42, Sep 70 (Fre)
[Prevention of anti-Rh immunization] Jouvenceaux A.
Rev Fr Transfus 14:39-52, Mar 71 (Fre)
[The mixed leukocyte reaction. Influence of ABO and Rh erythrocyte groups] Lewi S.
Rev Fr Transfus 13:189-98, Jun 70 (Fre)
[Elimination of Rh-positive fetal erythrocytes from the blood of rh-negative women by autologous isoagglutinins] Sieg W, et al.
Biut 21:69-79, Aug 70 (Ger)
[Anti-D treatment after mismatched transfusion: prevention of Rh sensitization] Schellong G, et al.
Dtsch Med Wochenschr 95:2555-9, 18 Dec 70 (Ger)
[Distribution of the ABO and Rh-D systems in leukemic patients] Gurda M, et al.
Folia Haematol (Leipz) 94:303-8, 1970 (Ger)
[The Baumgarten-Holzner formula for the calculation of bilirubin levels in the amniotic fluid of rhesus factor sensitized pregnant women] Lacreta O, et al.
Geburtshilfe Frauenheilkd 31:373-7, Apr 71 (Ger)
[Preliminary experiences with the prevention of Rh sensitization] Aeppli H, et al.
Gynaecologia 168:481-3, 1969 (Ger)
[Preliminary experiences with ther prevention of Rh sensitization] Aeppli H, et al.
Gynaecologia 168:481-3, 1969 (Ger)
[Titers and hemolytic late effects of rhesus antibodies in exchange transfusion in newborn infants with hemolytic anemia due to the rhesus factor] Ruckstuhl J. Helv Paediatr Acta 25:258-72, Jul 70 (Ger)
[The use of Rh negative blood without considering the blood group of the recipient] Krebs AH.
Monatsschr Kinderheilkd 118:464, Jul 70 (Ger)
[Prophylaxis of Rh sensitization with anti-D immunoglobulin. Experiences in the hospital from 1968 to 1970] Rummel W, et al.
Munch Med Wochenschr 113:155-9, 29 Jan 71 (Ger)
[Clinical follow-up studies on late prognosis of Rh-related hemolytic disease of the newborn. VII. Indications for exchange transfusion in Rh-incompatibility] Schneeweiss B.
Paediatr Grenzgeb 9:208-17, 1970 (Ger)
[Blood group incompatibility in childhood] Felsenreich G, et al.
Wien Med Wochenschr 120:397-400, 30 May 70 (Ger)
[Blood group incompatibility. Introduction and serologic-genetic report] Speiser P.
Wien Med Wochenschr 120:215-7, 28 Mar 70 (Ger)
[Obtaining blood group test serums and initial plasma for the preparation of anti D-immunoglobiulin for prevention of hemolytic disease of newborn by artificial immunization] Pilgrim G, et al.
Z Gesamte Inn Med 26:26-30, 1 Jan 71 (Ger)
[Determination of the frequency of the gene complexes and the gene complex combinations in the Rh-blood-group-system by the maximum-likelihood-method under special consideration of the factor Cw] Drews J, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:69-84, 1970 (Ger)
[Failure of anti-Rh prevention by using anti-Rh antibodies from the monozygous twin] Hummel K.
Z Immunitaetsforsch Allerg Klin Immunol 141:152-68, 1971 (Ger)
[Application of Rh blood-typing for the settlement of paternity disputes in Hungary] Rex-Kiss B.
Z Rechtsmed 67:319-23, 1970 (Ger)
[Prevention of Rh-sensitization with the use of anti-D gamma-globulin after delivery] Keserü TL, et al.
Zentralbl Gynaekol 93:24-9, 2 Jan 71 (Ger)
[Prophylaxis of Rh- immunization] Eckerling B, et al.
Harefuah 78:168-70, 15 Feb 70 (Heb)
[Obstetric care of pregnant Rh-sensitized women and fetal data in a 20-year clinical experience] Lampé L, et al. Orv Hetil 112:545-51, 7 Mar 71 (Hun)
[On erythropoietinic acitivyt of the amniotic fluid in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

fetal erythroblastosis] Grismondi GL, et al.
Acta Isot (Padova) 8:181-90, 30 Oct 68 (Ita)
[Behavior of HSAP in Rh isoimmunization] Acerboni F, et al. Ann Ostet Ginecol 91:463-71, Jul 69 (Ita)
[Occurrence of neonatal fetal hemolytic disease in relation to phenotypes ABO and Rh distribution among population of Messina] Marsico S, et al.
Arch Ostet Ginecol 75:156-62, Mar-Apr 70 (Ita)
[Genic picture of familial red cells in xeroderma pigmentosum] Tomassini M, et al.
G Ital Dermatol 44:275-8, Jun 69 (Ita)
[Preliminary results of the use of anti-D immuno-gamma-globulin in the prevention of Rh factor isoimmunization] Gherardi A.
Ig Med 63:47-56, 1970 (Ita)
[On immunosuppressive agents in heterospecific pregnancies] Brigato G, et al.
Minerva Ginecol 22:1064-9, 15 Nov 70 (Ita)
[Immune phenomena in pregnancy. Changes in the endocrine function of the placenta in Rh isoimmunization] Crosignani PG, et al.
Minerva Ginecol 22:689-91, 13 Jul 70 (Ita)
[Anti-Rh (C) (c) allele maternal sensitization and absence of hemolytic disease of the newborn] Montemagno U, et al.
Minerva Ginecol 22:525-7, 31 May 70 (Ita)
[Detection of anti-Rh antibodies in primigravids with conjugal disparity] Montemagno U, et al.
Minerva Ginecol 22:527-9, 31 May 70 (Ita)
[Recurrent abortion caused by Rh isoimmunization. Histoimmunologic study on Rh antigen in ovular tissue] Montemagno U, et al.
Minerva Ginecol 21:1079-81, 31 Aug 69 (Ita)
[Perinatal hemolytic disease caused by Rh incompatibility as a true social scourge. Interview between "Minerva Medica" and Professor Franco Gasparri] Barraciu A.
Minerva Med 61:Suppl 102:5-8, 28 Dec 70 (Ita)
[Serum complement in hemolytic disease of the newborn] Gravina E, et al.
Minerva Pediatr 23:199-203, 4 Feb 71 (Ita)
[Distribution of ABO and Rh blood groups in diabetes mellitus] Fumo E.
Rass Int Clin Ter 49:1363-71, 15 Nov 69 (Ita)
[Changes in maternal blood bilirubin levels in Rh isoimmunization (comparative study with antiboyd levels, urinary estriol and amniotic bilirubin] Napolitano C, et al.
Riv Anat Patol Oncol 33:792-800, 1968 (Ita)
[The ABO system and Rh factors and some infectious diseases in adults] Paciorkiewicz M.
Przegl Epidemiol 25:73-9, 1971 (Pol)
[Distribution of ABO and Rh factors in leukemia patients] Gurda M, et al.
Przegl Lek 26:606-7, 1970 (Pol)
[Practical progress in Rh disease] Băltescu VP.
Pediatria (Bucur) 20:275-80, May-Jun 71 (Rum)
[Diagnostic value of spectrophotometric examination of the amniotic fluid in Rh-sensitized pregnant women] Arnaudova R, et al.
Akush Ginekol (Sofiia) 9:261-4, 1970 (Rus)
[Modification of the test for Rh-factor compatibility using heparinized polyglucin] Uspenskaia OV, et al.
Probl Gematol Pereliv Krovi 15:56-9, Nov 70 (Rus)
[Hemorrhage during labor and the early postnatal period in women with RH-negative blood and positive immunologic reaction to toxoplasmosis] Zhitkova GM, et al. Sov Zdravookhr Kirg 3:51-5, May-Jun 70 (Rus)
[Fetal erythrocyte levels in women with Rh-negative blood] Kartasheva VE, et al.
Vopr Okhr Materin Det 16:86-7, Feb 71 (Rus)
[Prevention and treatment of Rh. isoimmunization. Results] Martínez M, et al.
Acta Obstet Ginecol Hisp Lusit 19:149-57, Mar 71 (Spa)
[Prevention of feto-maternal Rh isoimmunization] Gómez Piña de la Peza, et al.
Ginecol Obstet Mex 29:99-104, Jan 71 (Spa)
[Prophylaxis against Rh-immunization] Josephson B.
Lakartidningen 67:6037-40, 16 Dec 70 (Swe)
[Prevention of RH immunization in Finland. Result of a 2-year nationwide anti-D program in Finland] Eklund J, et al. Nord Med 85:592-6, 13 May 71 (Swe)

ANALYSIS

Prognostic value of quantitative determination of rhesus antibody (anti-D) in maternal serum and amniotic fluid. Jorgensen J, et al.
Acta Obstet Gynecol Scand 50:73-7, 1971
Automated reagin test for syphilis in a multichannel blood grouping machine. Schroeter AL, et al.
Am J Clin Pathol 56:43-9, Jul 71
Dogma disputed. Does reproductive compensation exist? An analysis of Rh data. Reed TE.
Am J Hum Genet 23:215-24, Mar 71 (34 ref.)
Rh antibody quantitation in amniotic fluid. Fraser ID, et al. Br J Haematol 21:358-9, Sep 71
Distribution of the ABO and Rh D blood groups in patients with leukemia. Gurda M, et al.
Bull Pol Med Sci Hist 13:89-91, Apr 70
Hemolytic disease of the newborn. A new law for prenatal blood test and disease reporting. Saylor LF.
Calif Med 112:79, Feb 70
A survey of ABO, MN, Q, Rh blood types in inhabitants of the Kaohsiung District of Taiwan. Lee MT, et al.
J Formosan Med Assoc 69:489-94, 28 Oct 70
Distribution of rhesus blood groups amongst Maharashtrians and its association with ABO blood groups. Dutta RN, et al.
J Indian Med Assoc 55:275-7, 16 Oct 70
A new cause of haemolytic anaemia? Chown B, et al.
Lancet 1:396, 20 Feb 71
Quantitative two-dimensional ultrastructural distribution of Rh o (D) antigenic sites on human erythrocyte membranes. Nicolson GL, et al.
Proc Natl Acad Sci USA 68:1416-20, Jul 71
[Neonatal diagnosis of materno-fetal isoimmunization. Preliminary data on the use of Coombs' test with capillary tube method] Dambrosio F, et al.
Minerva Pediatr 22:1889-92, 22 Sep 70 (Ita)
[Difficulties in the interpretation of serologic studies of the blood and amniotic fluid in a case with suspected Rh incompatibility] Gajewska E, et al.
Pol Tyg Lek 25:1546-7, 12 Oct 70 (Pol)

CLASSIFICATION

Hemolytic disease of the newborn due to anti-EW. A fourth example of the Rh antigen, EW. Grobel RK, et al. Transfusion 11:77-8, Mar-Apr 71
[Studies on the Du factor] Navarro JL, et al.
Sangre (Barc) 16:93-102, 1971 (Spa)

THERAPEUTIC USE

The prevention of erythroblastosis.
Appl Ther 12:5 passim, Jul 70

RHABDITOIDEA (B1)

ENZYMOLOGY

Haemonchus contortus: enzymes. I. Isoelectric focusing of malate dehydrogenase in sucrose and in polyacrylamide gels. Rhodes MB, et al.
Exp Parasitol 28:194-209, Oct 70

GROWTH & DEVELOPMENT

Strongyloides fülleborni: environmental factors and free-living generations. Hansen EL, et al.
Exp Parasitol 26:336-43, Dec 69
Micronema delstrix Anderson and Bemrick, 1965 in the central nervous system of a pony. Stone WM, et al.
J Parasitol 56:986-7, Oct 70
[Effect of pH and of the concentration of mineral salts of the medium on the survival rate of larvae and adults of Rhabditis Dujardin sp. under laboratory conditions] Soroczan W.
Ann Univ Mariae Curie Sklodowska [Med] 24:153-64, 1969 (Pol)

PHYSIOLOGY

Studies on gut ultrastructure and digestive physiology in Rhabdias bufonis and R. sphaerocephala (Nematoda:Rhabditida). Colam JB.
Parasitology 62:247-58, Apr 71

RHABDITOIDEA INFECTIONS see under

NEMATODE INFECTIONS (C1)

RHABDOMYOMA (C2)

Primary cardiac tumours in childhood. Simcha A, et al.
Arch Dis Child 46:508-14, Aug 71
Myocardial rhabdomyomas in the guinea pig. Cintorino M, et al. Beitr Pathol 142:407-9, 1971
[Laryngeal rhabdomyoma (case report)] Guccione G, et al. Boll Mal Orecch Gola Naso 87:381-91, 1969 (Ita)
[Evaluation of the concept of dysgenesis in muscular tumors. (Clinical and anatomopathological study)] Papapietro R, et al.
Rass Int Clin Ter 51:257-91, 15 Mar 71 (Ita)
[Case of rhabdomyoma of the heart in a newborn] Lugina-Shmidt NB, et al.
Vopr Okhr Materin Det 15:90-1, Jun 70 (Rus)

DIAGNOSIS

An inconstant loud murmur. Ziai M.
Clin Pediatr (Phila) 10:431, Jul 71
[Differential diagnosis of primary stenotic cardiac tumors] Gradaus D, et al.
Med Welt 6:212-3, 6 Feb 71 (Ger)
[Tumors of the heart. Progress in diagnosis and therapy] Feruglio GA.
Minerva Med 61:5405-19, 28 Nov 70 (Ita)

ETIOLOGY

[Rhabdomyoma of the heart. V. Considerations on its etiopathogenesis, review of the literature, apropos of a further case] Coscia Porrazzi L, et al.
Riv Anat Patol Oncol 33:5-18, 1968 (Ita)

PATHOLOGY

[Ultrastructural arguments for the muscular origin of alveolar sarcoma of soft parts] Fabre J, et al.
Ann Anat Pathol (Paris) 15:369-82, Jul-Sep 70 (Fre)
[Rhabdomyoma of the heart with tuberous sclerosis of the brain and micropolycystic kidney in an infant] Orlandi P, et al. Fracastoro 63:740-9, Sep-Oct 70 (Ita)
[The relationship between the adrenal cortex and tumor grafts (strain CRM-1)] Evgen'eva TP.
Vopr Onkol 16:54-60, 1970 (Rus)

SURGERY

[Surgical treatment of primary heart tumors in infancy] Tesler UF, et al.
Minerva Cardioangiol 19:239-52, May 71 (Ita)

RHABDOMYOSARCOMA (C2)

Embryonal rhabdomyosarcoma (sarcoma botryoides) of the middle ear. Chaves E, et al.
Arch Ital Patol Clin Tumori 13:37-45, Jan-Jun 70
Rhabdomyosarcoma of the middle ear and mastoid. Jaffe BF, et al. Cancer 27:29-37, Jan 71
Neoplasms within the pulmonary veins. Schiller HM, et al. Chest 58:535-8, Nov 70
Tumor clinic proceedings. Case no. 25. Rhabdomyosarcoma of the deltoid muscle.
J Okla State Med Assoc 63:64-6, Feb 70
Testicular tumors in children. Johnson DE, et al.
J Urol 104:940-3, Dec 70
Rhabdomyosarcoma of the heart. Sochocky S.
Minn Med 54:747-50, Sep 71
Embryonal rhabdomyosarcoma of the middle ear with long-term survival. Conte PJ, et al.
N Engl J Med 284:92-3, 14 Jan 71
[Embryonal rhabdomyosarcoma of the middle ear] Croles JJ, et al.
Ned Tijdschr Geneeskd 115:1001-4, Jun 71 (Dut)
[Laryngeal and pharyngolaryngeal sarcomas] André P, et al.
Ann Otolaryngol Chir Cervicofac 88:266-72, Apr-May 71 (Fre)
[New case of botryoid sarcoma of the cervix uteri] Piana L, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:154-5, Apr-May 68 (Fre)
[Gynecologic sarcoma] Bossart H, et al.
Rev Med Suisse Romande 89:657-77, Jun 69 (Fre)
[Primary rhabdomyosarcoma of the mitral valve surgically treated excision and a Starr valve graft] De Saint Florent G, et al.
Arch Chir Torac Cardiovasc 27:193-205, Jul-Sep 70 (Ita)
[An unusual case of botryoid sarcoma of the anus in an 11-month-old infant] Terzani E.
Arch De Vecchi Anat Patol 55:263-76, Jun 69 (Ita)
[On a case of alveolar rhabdomyosarcoma of the head] Tison V, et al.
Arch Ital Anat Istol Patol 42:393-408, 1969 (Ita)
[Extratesticular intrascrotal rhabdomyosarcomas] Fregola E. Rass Int Clin Ter 49:670-8, 15 Jun 69 (Ita)
[On alveolar rhabdomyosarcoma of the small intestine] Cordaro S, et al.
Riv Anat Patol Oncol 35:345-65, 1969 (Ita)
[Primary embryonal rhabdomyosarcoma of the middle ear--report of a case and review of the literature] Kawabe Y, et al.
Jap J Cancer Clin 17:397-403, May 71 (Jap)
[The growth and metastasis of tumors induced in the spleen] Sokolova EV.
Biull Eksp Biol Med 65:79-83, Apr 68 (Rus)
[Cloning of tumor tissue using diffusion chambers] Evgen'eva TP. Tsitologiia 12:1067-9, Aug 70 (Rus)
[Obtainment and characteristics of a continuous cell line from the C3H mouse rhabdomyosarcoma] Fridlianskaia II, et al.
Tsitologiia 12:798-803, 1970 (Rus)

CHEMICALLY INDUCED

Carcinogenic properties of wear particles from prostheses made in cobalt-chromium alloy. Heath JC, et al. Lancet 1:564-6, 20 Mar 71
[Reciprocal effect of 7,12-dimethylbenz(a)anthracene (DMBA) and of para-dimethylaminoazobenzene (DAB) administered simultaneously to rats] Lacassagne A, et al.
Bull Cancer (Paris) 56:169-76, Apr-Jun 69 (Fre)

COMPLICATIONS

Rhabdomyosarcoma producing respiratory obstruction. Pochedly C, et al.
JAMA 217:969, 16 Aug 71
Numb-chin syndrome. Simpson JF.
Lancet 2:1366, 26 Dec 70
Severe hypoglycemia associated with an intrauricular rhabdomyosarcoma. Gaspary F, et al.
Mal Cardiovasc 10:605-15, 1969

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DIAGNOSIS

Sarcoma botryoides of the cervix uteri: a case report in a 75-year-old woman. Ober WB.
Mt Sinai J Med NY 38:363-74, Jul-Aug 71
Sarcoma of the vulva. Report of 12 patients. DiSaia PJ, et al. Obstet Gynecol 38:180-4, Aug 71
[Autopsy case of retroperitoneal rhabdomyosarcoma primarily presenting as myelopathy] Iwashita H, et al.
Naika 27:781-4, Apr 71 (Jap)
[Embryonal rhabdomyosarcomas in adults] Vikhert AM, et al. Vopr Onkol 17:24-31, 1971 (Rus)

DRUG THERAPY

Experimental chemotherapy of a transplantable rhabdomyosarcoma in the rat. Franchi G, et al.
Eur J Cancer 6:441-3, Oct 70
Sarcoma of the vulva. Report of 12 patients. DiSaia PJ, et al. Obstet Gynecol 38:180-4, Aug 71

EMBRYOLOGY

[Embryonal rhabdomyosarcoma of the middle ear in childhood. Presentation of a case and histogenetic considerations] Scevola A.
Boll Mal Orecch Gola Naso 87:319-31, 1969 (Ita)

ENZYMOLOGY

Studies on the enzymology of the rhabdomyosarcoma induced by the murine sarcoma virus (Moloney). Ebert PS, et al. Cancer Res 30:960-5, Apr 70
[Biosynthesis of muscle aldolase and muscle tumors in rats] Smirnova EV, et al.
Ukr Biokhim Zh 42:709-13, 1970 (Rus)

ETIOLOGY

Virus-like particles in rhabdomyosarcoma with epidermodysplasia verruciformis. Okamoto T, et al.
Dermatologica 141:309-14, 1970
Parasites and carcinogenesis. Kasprzak KS, et al.
Lancet 2:106-7, 10 Jul 71

FAMILIAL & GENETIC

The chromosomal aberration of double-minutes in a human embryonic rhabdomyosarcoma. Granberg I, et al. Acta Cytol (Baltimore) 15:42-5, Jan-Feb 71
Rhabdomyosarcoma in children: epidemiologic study and identification of a familial cancer syndrome. Li FP, et al. J Natl Cancer Inst 43:1365-73, Dec 69

IMMUNOLOGY

Strength of the tumour-specific antigens and of the "hybrid effect" of three chemically-induced sarcomas of the same inbred strain origin. Oth D, et al.
Folia Biol (Praha) 16:374-80, 1970
[Influence of antigen quantity on the immunity induced by specific antigens of syngenic solid murine tumors] Donner M, et al.
C R Soc Biol (Paris) 164:1832-6, 1970 (Fre)
[Comparison of active and adoptive immunity caused by a syngenic mouse tumor] Oth D, et al.
C R Soc Biol (Paris) 164:1104-8, 1970 (Fre)

METABOLISM

[Isolation, analysis and radioactive labeling of nucleic acids from rat tumors induced by polyoma virus] Pokorný J, et al. Z Krebsforsch 74:219-26, 1970 (Ger)
[Contents of potassium sodium and chlorine in the muscle tissue and the tissue of rhabdomyoblastoma] Shuba EP. Fiziol Zh 14:101-5, Jan-Feb 68 (Ukr)

MICROBIOLOGY

Induction of rhabdomyosarcomas in mammals with a highly oncogenic variant of Rous sarcoma virus. Obukh IB, et al. Folia Biol (Praha) 17:175-81, 1971

OCCURRENCE

Rhabdomyosarcoma. A study of 27 cases, Royal Children's Hospital, Melbourne 1954-1968. Santamaria JN, et al. Australas Radiol 14:438-42, Nov 70
Rhabdomyosarcoma in children: epidemiologic study and identification of a familial cancer syndrome. Li FP, et al. J Natl Cancer Inst 43:1365-73, Dec 69

PATHOLOGY

A modified Bodian Protargol stain for identification of striated muscle elements. Van de Velde RL, et al.
Am J Clin Pathol 54:768-71, Nov 70
Light and electron microscopic studies of orbital rhabdomyosarcoma. Polack FM, et al.
Am J Ophthalmol 71:75-83, Jan 71
Paratesticular rhabdomyosarcoma. A clinicopathologic study of seven cases. Rosas-Uribe A, et al.
Am J Surg 120:787-91, Dec 70
Pathologic quiz case 1. Fechner RE.
Arch Otolaryngol 93:216-7 passim, Feb 71
Embryonal rhabdomyosarcoma of the middle ear. Hosoda S, et al. Cancer 27:943-7, Apr 71
"Gangliorhabdomyosarcoma": a tumor of ectomesenchyme. Case report. Holimon JL, et al.
J Neurosurg 34:417-22, Mar 71
A breast sarcoma containing rhabdomyosarcomatous and other metaplastic elements. Bird CC.
J Pathol 101:286-9, Jul 70
Rhabdomyosarcoma of larynx. Rodriguez LA, et al.
Laryngoscope 80:1733-9, Nov 70
Sarcoma of the vulva. Report of 12 patients. DiSaia PJ, et al. Obstet Gynecol 38:180-4, Aug 71
[Primary malignant tumors of the heart and pericardium] Saint-Florent G de, et al.
Ann Chir Thorac Cardiovasc 9:177-81, Apr 70 (Fre)
[2 cases of alveolar rhabdomyosarcoma of striated muscle] Feroldi J, et al.
Arch Anat Pathol (Paris) 19:77-80, Mar 71 (Fre)
[Riopelle and Thériault alveolar rhabdomyosarcoma. Brief collective review apropos of a case report] Cabanne F, et al.
Bull Cancer (Paris) 56:187-96, Apr-Jun 69 (Fre)
[Small Wilms' tumor manifesting a kidney pelvis rhabdomyosarcomatous component. Nephrectomy. Low secondary ureteral localization. Reintervention. 2-year remission] Rezkiner S, et al.
J Urol Nephrol (Paris) 76:938-49, Oct-Nov 70 (Fre)
[Adult botryoid rhabdomyosarcoma of the bladder: a case report] Taguchi H, et al.
Jap J Urol 62:251-6, Mar 71 (Jap)
[Autopsy case of rhabdomyosarcoma of the left buttock metastasizing in a wide area] Yamagiwa H, et al.
Shujutsu 25:391-4, Mar 71 (Jap)
[Striocellular sarcoma of the heart in an 11-month-old infant] Sobański T, et al.
Pediatr Pol 46:221-4, Feb 71 (Pol)
[Rhabdomyoblastoma] Apatenko AK, et al.
Arkh Patol 32:70-2, 1970 (Rus)
[Dedifferentiation of mouse rhabdomyosarcomas in the process of passaging] Ivashkevich LG, et al.
Tsitologiia 13:374-81, Mar 71 (Rus)
[Cytodifferentiation in primary tumors of mouse skeletal muscles] Ivashkevich LG, et al.
Tsitologiia 13:656-61, May 71 (Rus)
[Clinico-cytological diagnosis of soft-tissue sarcoma in children] Krasovskaia VP.
Vestn Khir 104:113-8, Apr 70 (Rus)

RADIOGRAPHY

The radiology of rhabdomyosarcomas of the middle ear with intracranial extension in children. Harwood-Nash DC. Clin Radiol 22:321-9, Jul 71
[Mesenteric lymphography during pes lymphography (a case)] Manlot G.
J Radiol Electrol Med Nucl 50:557-8, Jul-Aug 69 (Fre)
[Rare soft tissue tumors of the foot] Lénárt G, et al.
Beitr Orthop Traumatol 16:765-6, Dec 69 (Ger)
[Which diagnosis would you make?] Schlachetzki J.
Med Klin 66:1094a-b, 6 Aug 71 (Ger)

RADIOTHERAPY

[Radiotherapy of soft tissues] Lougheed M.
Laval Med 41:20-1, Jan 70 (Fre)

SURGERY

Sarcoma botryoides (rhabdomyosarcoma) of the bile ducts with survival. Akers DR, et al.
J Pediatr Surg 6:474-9, Aug 71
Rhabdomyosarcoma of the superior portion of the urinary bladder in childhood. White PH, et al.
J Pediatr Surg 6:178, Apr 71
Rhabdomyosarcoma of the sternum. The surgical management and the availability of techniques of sternal reconstruction. Calinog TA, et al.
J Thorac Cardiovasc Surg 61:811-8, May 71
Rhabdomyosarcoma of the left atrium. Physiologic responses to surgical therapy. Matloff JM, et al.
J Thorac Cardiovasc Surg 61:451-5, Mar 71
Sarcoma of the vulva. Report of 12 patients. DiSaia PJ, et al. Obstet Gynecol 38:180-4, Aug 71
[Surgical treatment of soft tissue tumors] Cauchon R.
Laval Med 41:22-3, Jan 70 (Fre)
[Surgical case of rhabdomyosarcoma of the esophagus] Sannobe M, et al.
Jap J Thorac Surg 24:260-6, Apr 71 (Jap)
[Case of rhabdomyosarcoma treated by artificial joint replacement] Kan M, et al.
Orthop Surg (Tokyo) 22:575-9, Jul 71 (Jap)
[A case of mediastinal tumor in a child in whom clinical death occurred twice during the postoperative period] Zuk E, et al. Gruzlica 38:925-7, Sep 70 (Pol)
[Rhabdomyosarcoma of the trachea] Zakrzewski A, et al. Otolaryngol Pol 25:79-82, 1971 (Pol)
[Humeral rhabdomyosarcoma in a 12-year-old girl] Koszla MM, et al. Wiad Lek 24:691-4, 1 Apr 71 (Pol)

THERAPY

Non-extirpative treatment of myosarcomas of the bladder and prostate. Mackenzie AR, et al.
Cancer 28:329-34, Aug 71
Testicular tumors in infants and children: report of 5 cases and evaluation of different modes of therapy. McCullough DL, et al. J Urol 105:140-8, Jan 71
A child with nasopharyngeal sarcoma. A nursing care study. Mulelly KA. Nurs Times 67:348-51, 25 Mar 71
Management of orbital rhabdomyosarcoma. Dayton GO Jr, et al.
Trans Pac Coast Otoophthalmol Soc 50:225-36, 1969 (9 ref.)

VETERINARY

An ultrastructural study of a canine rhabdomyosarcoma. Peter CP, et al.
Cancer 26:1280-8, Dec 70
Rhabdomyosarcoma in the chicken. Fujimoto Y, et al.
Jap J Vet Res 18:109-15, Sep 70

RHAMNOSE (D11)

ANALYSIS

Scopamycin. II. Identification of the sugar moiety of scopamycin A as 2-O-methyl-L-rhamnose. McAlpine JB, et al. J Antibiot (Tokyo) 24:51-6, Jan 71

ISOLATION & PURIFICATION

Isolation and purification of a peptido-rhamnomannan from the yeast form of Sporothrix schenckii. Structural and immunochemical studies. Lloyd KO, et al. J Immunol 107:663-71, Sep 71

RHEOLOGY (H)

Protective effect of thoracic lymph diversion in hemorrhagic shock. Glenn TM, et al.
Am J Physiol 219:1305-10, Nov 70
Effect of ethacrynic acid on thoracic duct lymph flow in the dog. Szwed JJ, et al. Am J Physiol 221:544-7, Aug 71
Shear fragility of human erythrocytes. Cahmpion JV, et al. Biorheology 8:23-9, Jun 71
Rigidity moduli of bovine fibrin gels initiated by thrombin. Copley AL, et al. Biorheology 7:81-4, Aug 70
Altered rheology in human microcirculation resulting from abnormal erythrocytes. Guest MM, et al.
Biorheology 8:59-64, Jun 71
The pseudoplastic behavior of aqueous solutions of hyaluronic acid. Johnson RS, et al.
Biorheology 7:177-87, Jan 71
The rheology of bronchitic sputum. Palmer KN, et al.
Br J Dis Chest 64:185-91, Oct 70
Stimulus-response method for flows and volumes in slightly perturbed constant parameter systems. Perl W. Bull Math Biophys 33:225-33, Jun 71
Effect of irradiation on lymph flow and filtration function of lymph nodes. Sinha BK, et al.
Cancer 26:1239-45, Dec 70
Effect of hematocrit and inertial losses on pressure-flow relations in the isolated hindpaw o the dog. Benis AM, et al. Circ Res 27:1047-68, Dec 70
Studies in rheology of human diabetes mellitus. Brånemark PI, et al. Diabetologia 7:107-12, Apr 71
Studies on cell deformability. Some rheological considerations. Weiss L, et al.
Exp Cell Res 58:379-87, Dec 69
Flow conductivity of human corneal stroma. Fatt I, et al. Exp Eye Res 10:237-42, Oct 70
Flow of water in the sclera. Fatt I, et al.
Exp Eye Res 10:243-9, Oct 70
The resistance of in situ perfused lymph trunks and lymph nodes to flow. Papp M, et al.
Experientia 27:391-2, 15 Apr 71
Estimation of pressure gradient by differential pressure. Cox RH. J Appl Physiol 29:904-6, Dec 70
Rheology of systems containing cetrimide-cetostearyl alcohol: variation with temperature. Barry BW, et al.
J Pharm Pharmacol Suppl:139S+, Dec 70
Grade variation in the rheology of white soft paraffin B.P. Barry BW, et al.
J Pharm Pharmacol Suppl:147S+, Dec 70
Compaction effect on flow property indexes for powders. Harwood CF. J Pharm Sci 60:161-3, Jan 71
Nonlinear regression applied to non-Newtonian flow. Niebergall PJ, et al. J Pharm Sci 60:1393-402, Sep 71
Standing-gradient flows driven by active solute transport. Segel LA. J Theor Biol 29:223-50, Nov 70
Flux ratios and isotope interaction in an ion exchange membrane. DeSousa RC, et al.
Nature (Lond) 231:44-5, 7 May 71
Time-dependent rheological behaviour of saliva. A preliminary report. Giantz PO, et al.
Odontol Revy 21:279-85, 1970
Rheology and measuring rigidity of gelatin gels. Georgakopoulos PP, et al.
Pharm Acta Helv 46:1-9, Jan 71
Prediction of the application behaviour of cosmetics from rheological measurements. Langenbucher F, et al. Pharm Acta Helv 45:572-82, Sep 70
Is there an effective countercurrent system in the superficial renal cortex? Solomon S.
Proc Soc Exp Biol Med 137:1019-20, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effect of secretin on bile formation in sheep. Heath T.
Q J Exp Physiol 55:301-12, Oct 70
[Determination of the stress threshold for blood] Stoltz JF, et al.
Biorheology 7:129-35, Aug 70 (16 ref.) (Fre)
[Current ideas on the rheology of erythrocytes] Stoltz JF, et al. Biorheology 8:11-22, Jun 71 (44 ref.) (Fre)
[Technics of study of the mechanical and rheological properties of the erythrocyte membrane] Larcan A, et al. Pathol Biol (Paris) 19:303-9, Mar 71 (Fre)
[Uro-rheomanometry (development of a new uro-rheomanometer)] Melchior H, et al.
Biomed Tech (Stuttg) 16:99-102, 3 Jun 71 (Ger)
[Morphology of the blood flowin the blood vessels. First research results] Manteuffel-Szoege L.
Thoraxchirurgie 17:557-63, Dec 69 (Ger)
[Rheography in the study of arteriopathies of the lower limbs] Montori A, et al.
Ann Ital Chir 45:171-98, 1969 (Ita)
[Use of rheology in pharmaceutical technology] Calcinari R. Farmaco [Prat] 25:403-22, Jul 70 (Ita)
[Effect of pH, temperature, and ionic strength of the medium of the rheological properties of oriented DNP-structures of plant origin] Popkov VP.
Biofizika 15:528-31, May-Jun 70 (Rus)
[Effect of several blood substitutes on the rheologic properties of blood] Van'kov DE.
Probl Gematol Pereliv Krovi 16:31-5, Jan 71 (Rus)

INSTRUMENTATION

Assessment of an electromagnetic catheter-tip velocity meter. Meyer P, et al. Am Heart J 80:846-8, Dec 70
Modifications to the Weissenberg rheogoniometer for hemorheological and other biorheological studies. King RG, et al. Biorheology 7:1-4, Jun 70
Velocity profiles in the main pulmonary artery of dogs and man, measured with a thin-film resistance anemometer. Reuben SR, et al.
Circ Res 27:955-1001, Dec 70
System for the measurement of velocity of microscopic particles in liquids. Intaglietta M, et al.
IEEE Trans Biomed Eng 18:376-9, Sep 71
Design of a small-animal pneumotachograph. Diamond L, et al. J Appl Physiol 29:720-2, Nov 70
Chemical balance as a rheometer for biological fluids. Davis SS, et al. J Pharm Sci 59:1764-9, Dec 70
[Rheodentography, a new method of studying the blood circulation of the dental pulp] Prokhonchukov AA, et al. Stomatologiia (Mosk) 49:1-6, Sep-Oct 70 (Rus)

RHEUMATIC FEVER (C1, C3, C17)

Rheumatic fever.
Arthritis Rheum 13:461-72, Sep-Oct 70
Report of Inter-Society Commission for Heart Disease Resources. II. Cardiovascular disease--acute care. Community resources for the diagnosis and acute care of patients with rheumatic fever.
Circulation 44:a197-203, Jul 71
Acute rheumatic fever. Bose AK.
J Indian Med Assoc 55:277-9, 16 Oct 70
Risk of rheumatic-fever recurrences after streptococcal infections. Prospective study of clinical and social factors. Spagnuolo M, et al.
N Engl J Med 285:641-7, 16 Sep 71
Rheumatic fever under three years of age. Waly F, et al.
W Va Med J 67:181-2, Jul 71
[Pediatric guidelines. 40. Rheumatic fever] Schmitz HH, et al.
Z Aerztl Fortbild (Jena) 64:1136-8, 15 Nov 70 (Ger)
[Rheumatic fever in childhood] Borsche A.
Z Allgemeinmed 47:218-21, 20 Feb 71 (Ger)
[The problem of rheumatic fever] Werbin B, et al.
Harefuah 80:31-2, 1 Jan 71 (Heb)
[Superacute form of Bouillaud-Sokolski rheumatism. On 2 clinical cases] Kreisel M, et al.
Rev Med Chir Soc Med Nat Iasi 74:735-8, Jul-Sep 70 (Rum)
[Clinico-immunological parallels in patients with rheumatism in the active phase] Alikhanova EA.
Vopr Revm 10:13-6, May-Jun 70 (Rus)
[Experimental encephalitis--a model of infectious-allergic disease of the nervous system] Iakimov Ia. Vopr Revm 11:61-6, Jan-Mar 71 (Rus)
[Value of studying the protein spectrum of the blood serum of patients with rheumatism by immunoelectrophoresis and stereoimmunoelectrophoresis] Khaifen ESh, et al.
Vopr Revm 10:16-20, May-Jun 70 (Rus)
[Cellular immunity in rheumatism. Cytopathic action of blood lymph node lymphocytes in patients with rheumatism on homologous fibroblasts in culture] Lozovof VP, et al.
Vopr Revm 10:5-11, May-Jun 70 (Rus)
[Results of dispensary observations and treatment of patients with rheumatism according to the data of the Rheumatology Center in Sverdlovsk] Lychanaia MA, et al. Vopr Revm 10:75-7, May-Jun 70 (Rus)
[Epidemiological and clinical characteristics of rheumatism in inhabitants of the Dzhebrail'skii district of the Azerbaidzhan SSR] Mirzoev KB.
Vopr Revm 10:67-8, May-Jun 70 (Rus)
[Extraparoxysmal period of rheumatism in preschool children] Okulova EM.
Vopr Revm 10:77-8, May-Jun 70 (Rus)
[Heart defect and rheumatic process in children] Gorodetskaia EG, et al.
Pediatr Akush Ginekol 3:6-7, May-Jun 69 (Ukr)
[Clinical manifestations and course of rheumocarditis in children of pre-school age] Koreneva IZ.
Pediatr Akush Ginekol 3:13-5, May-Jun 69 (Ukr)
[Phagocytosis of the A group streptococcus in rheumatism in adolescence] Kostiurina GM, et al.
Pediatr Akush Ginekol 3:9-11, May-Jun 69 (Ukr)

BLOOD

Rheumatoid factor in cases of rheumatic fever and parasitic infestation in children. Abdin ZH, et al.
Ann Rheum Dis 29:660-2, Nov 70
Studies on the behavior of neuraminic acid in rheumatic fever and rheumatoid arthritis. Gebala A, et al. Bull Pol Med Sci Hist 13:169-71, Oct 70
[The serology of rheumatic fever and of chronic rheumatic polyarthritis] Heidelmann G.
Z Gesamte Inn Med 24:Suppl:131-5, 1 Jan 69 (Ger)
[Behavior of immunoglobulins. (IgA, IgG, IgM), of the C'3 and of the alpha globulins (alpha-1-antitrypsin, alpha-1-macroglobulin, haptoglobin, alpha-1-glyco-protein acid) in the rheumatic disease in infancy] Quaglia P, et al.
Minerva Pediatr 23:861-7, 12 May 71 (Ita)
[Serum levels of the C'3 component of complement (beta 1c-beta 1a globulin) in children with rheumatic disease. Study of a possible correlation between complement level and presence in the blood of anti-heart antibodies] Vaccaro R, et al.
Minerva Pediatr 23:258-61, 11 Feb 71 (Ita)
[Attempt at evaluating the dispersion phase and area of the dispersion phase in acute episodes of rheumatic fever in children] Broniewski M.
Pediatr Pol 46:741-7, Jun 71 (Pol)
[Electrical resistance of the blood in children with recurrent rheumocarditis] Erin VA, et al.
Pediatriia 50:17-9, Feb 71 (Rus)
[Study of several leukocyte characteristics in children with rheumatism] Sharabarin NI, et al.
Pediatriia 50:14-7, Feb 71 (Rus)
[Serum sulfhydryl groups and resorption of radioactive phosphorus by erythrocytes in rheumatism and experimental streptococcal infection] Kozlov GS, et al. Ter Arkh 42:122-5, Sep 70 (Rus)
[Carbohydrate components of blood seromucoid in patients with rheumatism] Pankina VKh.
Ter Arkh 42:84-7, Dec 70 (Rus)
[Significance of studying blood DNA breakdown products in patients with rheumatism] Trubnikov GA, et al. Ter Arkh 43:71-3, Mar 71 (Rus)
[Motor activity of blood neutrophils as an indicator of activity of the rheumatic process in children] Davydova EV.
Vopr Okhr Materin Det 15:19-21, Sep 70 (Rus)
[Fluctuations in blood acetylcholine and cholinesterase levels in children with rheumatism] Safiulina SK.
Vopr Okhr Materin Det 16:84-5, Mar 71 (Rus)
[Orosomucoid and rheumatic fever] Doneva V, et al.
God Zb Med Fak Skopje 16:235-48, 1970 (Ser)
[Haptoglobin and rheumatic fever] Doneva V, et al.
God Zb Med Fak Skopje 16:27-40, 1970 (Ser)
[Cytochemial studies of glycogen in blood leucocytes of children with chronic tonsillitis and rheumatism] Ivanova MV, et al.
Pediatr Akush Ginekol 4:13-4, Jul-Aug 70 (Ukr)
[Blood coagulation in rheumatism in children in connection with therapeutic practice] Tsivil'ova AV.
Pediatr Akush Ginekol 4:15-6, Jul-Aug 68 (Ukr)

COMPLICATIONS

Dissociation with ladder type of interference and incomplete A-V block showing the Wenckebach phenomenon: non-paroxysmal A-V nodal tachycardia. Louvros N, et al. Acta Cardiol (Brux) 26:83-7, 1971
Chronic post-rheumatic fever (Jaccoud's) arthropathy. Grahame R, et al. Ann Rheum Dis 29:622-5, Nov 70
Atrioventricular dissociation in acute rheumatic fever. Cristal N, et al. Br Heart J 33:12-5, Jan 71
Intractable congestive heart failure. Jacobs S.
J La State Med Soc 123:210-3, Jun 71
[Various epidemiologic and prophylactic problems concerning the correlation between rheumatic fever and streptococcal angina] Ivan IM, et al.
Arch Roum Pathol Exp Microbiol 28:75-84, Mar 69 (Fre)
[Articular sequelae of acute articular rheumatism] Berkman M, et al.
Coeur Med Interne 9:467-75, Oct 70 (Fre)
[Apropos of 3 cases of acute articular rheumatism in younger children] Dieterlen M, et al.
Pediatrie 26:85-9, Jan-Feb 71 (Fre)
[Chorea minor and its relation to rheumatic fever] Wendler H. Arch Kinderheilkd 181:218-36, 1970 (Ger)
[Improvement induced with anti-rheumatic therapy in the angina syndrome in a subject with prior rheumatic fever] Specchia G, et al.
Boll Soc Ital Cardiol 15:422-33, 1970 (Ita)
Mental disturbances in children with rheumatic fever without chorea] Sandowska T.
Pediatr Pol 46:647-51, May 71 (Pol)
[Clinical evaluation of the incidence of psychic disorders in children with rheumatic fever without chorea] Sandowska T.
Pediatr Pol 46:583-90, May 71 (Pol)
[Focal infections in rheumatic fever and the prevention of streptococcal infections] Bardadin T.
Reumatologia 9:175-9, 1971 (41 ref.) (Pol)
[Comparative study on the incidence of dental caries in children with rheumatic fever and rheumatoid arthritis] Drecka-Kuzan K.
Reumatologia 9:125-33, 1971 (Pol)
[The Adams-Stokes syndrome as a manifestation revealing acute polyarticular rheumatism] Schächter A, et al. Med Interna (Bucur) 22:1511-6, Dec 70 (Rum)
[Classification, diagnosis and treatment of chronic cerebral rheumovasculitis] Burtsev EM.
Klin Med (Mosk) 48:31-6, Sep 70 (Rus)
[Myocardial infarct in rheumatism in children] Gitman GI, et al. Pediatriia 49:37-9, Aug 70 (Rus)
[Differential diagnosis of rheumatic cerebral vasculitis and embolism in vessels of the brain] Badalian LO.
Sov Med 32:37-41, Sep 69 (Rus)
[Cerebral circulatory disorders in young adults] Burtsev EM, et al. Sov Med 33:74-7, Jul 70 (Rus)
[Rheumatic encephalomyelopathy] German E.
Sov Med 32:42-3, Sep 69 (Rus)
[Age and rheumatic diseases of the brain] Mitkov V.
Sov Med 32:44-7, Sep 69 (Rus)
[Course and outcome of rheumatic psychosis] Perel'muter EA. Sov Med 33:116-20, Sep 70 (Rus)
[Clinical aspects and pathogenesis of rheumatic diseases of the nervous system] Roze Fla.
Sov Med 32:32-7, Sep 69 (Rus)
[Memory and intellectual work capacity in children with rheumocarditis and chorea] Gordeev VV.
Vopr Okhr Materin Det 16:86-7, Mar 71 (Rus)
[Rheumatism as a cause for abdominal syndrome in children] Kushch NL, et al.
Vopr Okhr Materin Det 16:85, Mar 71 (Rus)
[The condition of children born of mothers with rheumatism] Berezina GP.
Vopr Revm 10:72-4, May-Jun 70 (Rus)
[Metabolic-dystrophic osteoarthrosis and other diseases of the internal organs] Stoïa I.
Vopr Revm 10:59, Oct-Dec 70 (Rus)
[Jaccoud's syndrome and the association of rheumatoid arthritis and rheumatic fever] Brenes C, et al.
Arch Inst Cardiol Mex 41:127-36, Mar-Apr 71 (Spa)
[Pathogenensis of thromboembolic complications in rheumatism in children] Briazgunov IP, et al.
Pediatr Akush Ginekol 3:18-9, May-Jun 69 (Ukr)
[Disorders of the motor-static function in rheumatism in children] Kosenko VS.
Pediatr Akush Ginekol 3:21-2, May-Jun 69 (Ukr)
[Immediate and remote observations of rheumatic children with abdominal syndrome] Prikhod'ko VS, et al. Pediatr Akush Ginekol 3:24-5, May-Jun 69 (Ukr)
[Incidence and significance of acute rheumatic fever in the development of rheumatic carditis] Stošić D.
Med Glas 24:456-9, Oct-Nov 70 (Cro)

DIAGNOSIS

Heart-reactive antibody, serum enzymes and isoenzymes in the diagnosis of acute rheumatic fever. Jose DG, et al. Australas Ann Med 19:215-9, Aug 70
Rheumatic fever: a ten-year review of patients admitted to an Irish children's hospital. II. Treatment & prognosis. Ward OC, et al.
Ir J Med Sci 3:415-25, Sep 70
Rheumatic fever: a ten year review of patients admitted to an Irish children's hospital. Diagnosis. Ward OC, et al. Ir J Med Sci 3:307-19, Jul 70
Assessment of the reliability of a set of screening criteria for the early detection of clinical streptococcal infections and rheumatic fever. Sorour AH, et al. J Egypt Med Assoc 52:Suppl 8-9:32+, 1969
Rheumatic fever and throat culture. Bisno AL, et al.
N Engl J Med 283:1111-2, 12 Nov 70
[Serodiagnosis of rheumatic fever and acute glomerulonephritis] Petersen KF.
Med Klin 66:503-5, 2 Apr 71 (17 ref.) (Ger)
[Activities of the cardio-rheumatology section of the center of preventive school medicine of the town of Sesto San Giovanni] Parenti B.
Boll Soc Ital Cardiol 14:571-6, 1969 (Ita)
[Preparation of streptococcal antigens for the complement fixation test. Diagnostic use in subjects with streptococcal diseases] Milli G, et al.
G Ig Med Prev 10:541-51, Dec 69 (Ita)
[Behavior of the ASL titer in diseases of rheumatic origin, determined with the traditional method and with the latex test] Parodi E, et al.
G Ig Med Prev 11:186-200, Jul-Sep 70 (Ita)
[On the clinical value of some humoral tests in Bouillaud's rheumatic disease. 7. Tanned erythrocytes] Capurso A, et al.
Reumatismo 21:86-92, Mar-Apr 69 (Ita)
[Experiences with a new latex test in the demonstration of antistreptolysin activity] Carnevali G. Reumatismo 21:50-2, Jan-Feb 69 (Ita)
[On the clinical value of some humoral tests in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bouillaud's rheumatic disease. 6. Serum enzymes] Sforza E, et al. Reumatismo 21:81-5, Mar-Apr 69 (Ita)
[Peripheral vascular system in rheumatic fever in children] Ordyński J.
Pol Tyg Lek 26:661-4, 3 May 71 (Pol)
[Reaction of the lymphocytic system in different stages of rheumatism in preschool children] Andarzhanov FK. Pediatriia 49:74-5, Sep 70 (Rus)
[Comparative characteristics of renal pathology in rheumatism and infectious non-specific (rheumatoid) arthritis in children] Dumnova AG.
Pediatriia 49:52-5, Aug 70 (Rus)
[Phonocardiography and differential diagnosis of heart damage in the attack-free course of rheumatism and functional changes in the cardiovascular system in children] Liubavin IaG, et al.
Pediatriia 49:44-7, Apr 70 (Rus)
[Characteristics of the pre-rheumatic state in children] Rudnev IM, et al. Pediatriia 50:6-9, Feb 71 (Rus)
[Early differential diagnosis of acute hematogenic osteomyelitis and rheumatism in children] Cheskis AL. Sov Med 33:90-4, Dec 70 (Rus)
[Diagnosis and clinico-electrokymographic characteristics of recurring rheumocarditis in patients with combined mitral defects of the heart] Vorob'ev IV, et al. Ter Arkh 42:88-92, Aug 70 (Rus)
[Some aspects in diagnosing the activity of the rheumatic process] Zborovskiĭ AB, et al.
Ter Arkh 43:63-70, Mar 71 (Rus)
[Clinico-diagnostic significance of IGA, IgM, IgG immunoglobulin levels in rheumatism] Anokhin VN, et al. Vopr Revm 10:20-5, Oct-Dec 70 (Rus)
[Role of allergic leukocytosis in vitro in the diagnosis of rheumatic activity] Karapata AP, et al.
Vopr Revm 10:6-8, Aug-Sep 70 (Rus)
[Variants of the latent course of recurrent rheumocarditis and some electroencephalographic indices of the functional condition of the central nervous system] Kostrova VD, et al.
Vopr Revm 10:58-63, May-Jun 70 (Rus)
[Some indices of tissue reactivity in rheumatism] Selivanova GV. Vopr Revm 10:12-6, Aug-Sep 70 (Rus)
[Diagnosis of rheumatism in patients over 50 years of age in polyclinics] Spektor AM.
Vopr Revm 10:29-31, Aug-Sep 70 (Rus)
[Comparison of some clinical, instrumental and laboratory data in patients with rheumocarditis and tonsillocardiac syndrome] Trakhtenberg SB.
Vopr Revm 10:53-9, Oct-Dec 70 (Rus)
[Haptoglobin as an indicator of the rheumatic process] Movshovich BL, et al. Vrach Delo 3:48-50, Mar 71 (Rus)
esults of observation of children with rheumatism in special boarding schools] Ferents VP, et al.
Pediatr Akush Ginekol 4:6-7, Jul-Aug 70 (Ukr)
[Ballistocardiography in the diagnosis of rheumatism in children] Gorodets'ka EG.
Pediatr Akush Ginekol 4:9-10, Jul-Aug 68 (Ukr)
[Comparison of diagnostic value of some laboratory indices in rheumatism in children] Lokteva LV.
Pediatr Akush Ginekol 3:17-8, May-Jun 69 (Ukr)
[Reactivity of children with rheumatic fever] Pikulina KG, et al.
Pediatr Akush Ginekol 4:12, Jul-Aug 70 (Ukr)
[Study of the functional state of the cardiovascular system by staining in rheumatic carditis in children] Tereshchenko LV.
Pediatr Akush Ginekol 3:11-3, May-Jun 69 (Ukr)
[Significance of detrmination of ceruloplasmin in blood serum in tests reflecting the activity of rheumatic process] Udzenko PN, et al.
Pediatr Akush Ginekol 4:9-11, Jul-Aug 70 (Ukr)
[Forced exhaust spirography in healthy and sick children in active phase of rheumatism] Zveriaev OP.
Pediatr Akush Ginekol 1:20-2, Jan-Feb 69 (Ukr)

DRUG THERAPY

The course and results of treatment of children with rheumatic fever in the light of the authors' observations. Wilkoszewski E, et al.
Pol Med J 9:1113-22, 1970
[Clinical trial of a new anti-inflammatory agent in rheumatology, ANP 3260 or clofezone] Verhaeghe A, et al. Lille Med 13:Suppl:260-5, Mar 68 (Fre)
[Indications for long term corticotherapy in pediatrics] Pichon R. Maroc Med 49:503-5, Aug-Sep 69 (Fre)
[The role of convalescent sanatoria in the prevention of infantile rheumatic carditis] Hurmuzacke E, et al.
Minerva Pediatr 22:1344, 30 Jun 70 (Fre)
[Therapy of acute polyarthritis] Behrend T.
Internist (Berlin) 8:239-45, Jul 67 (Ger)
[Therapy of rheumatism. Introduction] Hartmann F.
Internist (Berlin) 8:237-8, Jul 67 (Ger)
[Clarification of non-allergic reactions after benzathine penicillin injections in children with rheumatic fever by means of electroencephalographic studies] Oppermann J, et al.
Z Aerztl Fortbild (Jena) 64:1082-5, 1 Nov 70 (Ger)
[After care of patients following rheumatic fever] Meskó K, et al. Orv Hetil 111:2117-8, 6 Sep 70 (Hun)
[On the behavior of various biohumoral indices during the course of different types of therapy of rheumatic fever] Rosano V, et al.
Clin Ter 46:203-75, 15 Aug 68 (Ita)
[Main trendin the use of oral corticosteroids in rheumatology] Cuore Circ 54:81-5, Apr 70 (Ita)
[On the metopyrone test in children treated with a steroid association] Rosaschino F, et al.
Riv Clin Pediatr 82:45-8, Apr-Jun 69 (Ita)
[Rheumatic fever] Shiokawa Y.
Naika 27:1512-6, Jun 71 (Jap)
[Use of ascorbic acid in the polyclinical treatment of patients with recurring rheumocarditis] Lukashchuk L. Sov Med 33:139-41, 1970 (Rus)
[Results of complex therapy and use of new enzyme preparations in the treatment of patients with rheumatism] Zborovskiĭ AB, et al.
Ter Arkh 41:36-40, Sep 69 (Rus)
[Nonspecific immunological reactivity during treatment with hormone preparations] Khamidullina AKh. Vopr Okhr Materin Det 15:9-14, Dec 70 (Rus)
[Duodenal bulb ulcer in a 14-year-old boy occurring against a background of prednisolone therapy] Petkevich GV, et al.
Vopr Okhr Materin Det 15:52-3, Dec 70 (Rus)
[Effect of hormone and drug therapy on the functional status of the stomach in children with rheumatism in the active phase] Bisiarina VP, et al.
Vopr Revm 11:46-51, Jan-Mar 71 (Rus)
[Functional status of the kidneys in hormonal therapy of rheumatism in children] Klaĭshevich GI, et al.
Vopr Revm 11:67-70, Jan-Mar 71 (Rus)
[1st experience in administration of antilymphocyte serum in rheumatology] Nesterov AI, et al.
Vopr Revm 10:69-75, Aug-Sep 70 (Rus)
[Mechanisms of the therapeutic effect of antirheumatic preparations] Sigidin IaA.
Vopr Revm 10:46-55, May-Jun 70 (Rus)
[Changes in some functions of the central nervous system in children with rheumatic fever uder the influence of dibazol] Romanova VV.
Pediatr Akush Ginekol 4:14-5, Jul-Aug 70 (Ukr)

ENZYMOLOGY

[Peroxidase activity of leukocytes and the level of streptococcal antibodies in children with rheumatism] Zlatkovskaia GI, et al.
Pediatriia 49:15-8, Aug 70 (Rus)
[Observation of serum aminotripeptidase activity in rheumatic fever] Bošmanský K, et al.
Fysiatr Reumatol Vestn 45:209-17, Aug 67 (Slo)

ETIOLOGY

Rheumatic fever after streptococcal otitis media. Shrand H. N Engl J Med 284:221, 28 Jan 71
[Acute inflammatory arthrific rheumatism--the pathomorphosis of rheumatic fever in relation to diagnosis and therapy] Graser F.
Praxis 59:1381-5, 6 Oct 70 (Ger)
[In which rheumatologic diseases should the immunologic etiology be considered?] Lenoch F.
Z Gesamte Inn Med 24:Suppl:136-9, 1 Jan 69 (Ger)
[The relationship of a newly discovered ribonucleoproteid from streptococci to the pathogenesis of rheumatic fever] Wilhelm G, et al.
Zentralbl Bakteriol [Orig] 214:383-9, 1970 (Ger)
[Further data on the immunological pathogenesis of post-streptococcal sequelae] De Bac C.
G Mal Infett Parassit 22:164-6, Feb 70 (Ita)

FAMILIAL & GENETIC

[Hereditary and epidemiologic factors in "familial" forms of rheumatism] Shvareva AI, et al.
Pediatriia 50:9-11, Feb 71 (Rus)
[Familial rheumatism and some problems of disability in rheumatism] Pinchuk AL.
Ter Arkh 43:47-9, Jan 71 (Rus)

IMMUNOLOGY

Heart-reactive antibody associated with rheumatic fever: characterization and diagnostic significance. Zabriskie JB, et al. Clin Exp Immunol 7:147-59, Aug 70
Haemagglutinating antibodies in rheumatic heart disease. Mathur KS, et al.
J Assoc Physicians India 19:343-8, May 71
Streptococcal M protein vaccines, rheumatic fever and human histocompatibility antigens. Fox EN, et al.
J Immunol 105:1031-2, Oct 70
Anti-heart reactant in rheumatic fever. Watanabe N, et al. Paediatr Univ Tokyo 18:149-53, Dec 70
Serum antibodies to streptococci in rheumatic fever, glomerulonephritis and chorea. Wannamaker LW.
Zentralbl Bakteriol [Orig] 214:331-8, 1970
Streptococcal cross-reactive antigens in relation to rheumatic fever. Zabriskie JB.
Zentralbl Bakteriol [Orig] 214:339-51, 1970
[Immunological findings in rheumatic disease during childhood] Burgio GR, et al.
Monatsschr Kinderheilkd 117:553-8, Sep 69 (65 ref.) (Ger)
[Immunologic problems in rheumatic fever and in primary chronic polyarthritis] Köhler W.
Z Gesamte Inn Med 24:Suppl:129-31, 1 Jan 69 (Ger)
[Changes of gamma globulins of type A in some diseases in childhood] Bardare M, et al.
Minerva Pediatr 23:170-3, 4 Feb 71 (Ita)
[The quantitative determination of immunoglobulins and B'C in 150 children with various morbid conditions] Quaglia P, et al.
Minerva Pediatr 23:245-8, 11 Feb 71 (Ita)
[On the clinical value of some humoral tests in Bouillaud's rheumatic disease. 5. Antiheart antibodies] Capurso A, et al.
Reumatismo 21:72-80, Mar-Apr 69 (Ita)
[Results of a study on autoantibodies fixed in tissues of internal organs in patients with rheumatism] Kustova NI. Kardiologiia 11:101-5, Feb 71 (Rus)
[Characteristics of delayed hypersensitivity to cardiac tissues in rheumatism in children] Benevolenskaia LI.
Pediatriia 49:9-13, Aug 70 (Rus)
[Immunoglobulins in children with rheumatism] Gavriushova LP, et al. Pediatriia 49:13-5, Aug 70 (Rus)
[Study of autoallergic reactions of the delayed type in children with rheumatism] Trunova LA, et al.
Pediatriia 49:40-3, Apr 70 (Rus)
[Peroxidase activity of leukocytes and the level of streptococcal antibodies in children with rheumatism] Zlatkovskaia GI, et al.
Pediatriia 49:15-8, Aug 70 (Rus)
[Allergic alteration of leukocytes in vitro in patients with rheumatism] Anokhin VN, et al.
Vopr Revm 10:21-7, May-Jun 70 (Rus)
[Selectivity of phagocytosis in the inactive phase of rheumatism] Bolotina AIu, et al.
Vopr Revm 11:17-24, Jan-Mar 71 (Rus)
[Some indices of natural immunity in patients with rheumatic heart disease] Finogenova AG.
Vopr Revm 10:8-11, Aug-Sep 70 (Rus)
[Study of the autoallergic reaction of leukocytes in rheumatism] Iasakova OI, et al.
Vopr Revm 10:25-8, Oct-Dec 70 (Rus)
[A new method of detecting cellular immunological reactions in vitro in rheumatism (autoadsorption of erythrocytes conjugated with connective tissue antigen, lymphocytes of the peripheral blood] Kaznacheev VP, et al.
Vopr Revm 10:3-6, Aug-Sep 70 (Rus)
[Incomplete circulating anti-tissue antibodies in rheumatism] Kustova NI.
Vopr Revm 10:83-5, May-Jun 70 (Rus)
[Study of allergic skin reactions to DNA and extract of homologous myocardium in patients with rheumatism] Zborovskiĭ AB, et al.
Vopr Revm 10:16-24, Aug-Sep 70 (Rus)
[Diagnostic significance of the immunoluminescent method of detecting antibodies against cardiac tissue in rheumatism] Zisel'son AD, et al.
Vopr Revm 10:38-40, May-Jun 70 (Rus)
[Leukolytic properties of the blood serum in children with rheumatism] Zlatkovskaia GI, et al.
Vopr Revm 10:85-8, May-Jun 70 (Rus)
[Intradermal reactions to a streptococcal allergen and antibodies against it] Iakhnina NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:87-90, 1971 (Rus)
[Immunologic data in active phase of rheumatism in children] Grigorets GI.
Pediatr Akush Ginekol 3:20-1, May-Jun 69 (Ukr)
[Titre of antistreptolysin O in angina, rheumatic fever and in a random sample of population] Bošmanský K, et al. Bratisl Lek Listy 55:574-80, May 71 (Slo)

METABOLISM

[Behavior of sodium, potassium, calcium and chloride ions in the sweat of children with rheumatic fever and bronchial asthma treated with prednisone] Szczebel-Domanasiewicz M.
Pediatr Pol 46:443-55, Apr 71 (Pol)
[Correlation between the content of acetylcholine 2nd cholinesterase in the blood and state of the autonomic nervous system in children with rheumatism] Saifulina SK. Pediatriia 49:18-21, Aug 70 (Rus)
[Tyrosine oxidation in rheumatism and erysipelas] Kontsevaia NG, et al. Ter Arkh 43:76-8, Jan 71 (Rus)
[Calcium and magnesium content of the plasma and erythrocytes in rheumatism] Selivonenko VG, et al.
Ter Arkh 43:49-51, Jan 71 (Rus)
[Some biochemical indices in rheumatic process] Gligan LI. Vopr Revm 10:75-6, Aug-Sep 70 (Rus)
[Reactivity of children with rheumatic fever] Pikulina KG, et al.
Pediatr Akush Ginekol 4:12, Jul-Aug 70 (Ukr)
[State of oxidizing-restorative processes in rheumatis in children] Stepanova GV, et al.
Pediatr Akush Ginekol 4:11-2, Jul-Aug 70 (Ukr)

MICROBIOLOGY

Rheumatic tissues in antibiotic-free tissue culture. Wedum BG. Ann Rheum Dis 29:516-23, Sep 70
Rheumatogenic and nephritogenic streptococci. Stollerman GH. Circulation 43:915-21, Jun 71
[Importance of streptococcal infection in rheumatism in children] Sinaiuk AS, et al.
Vopr Okhr Materin Det 15:87-8, Aug 70 (Rus)
[Biocenotic relationship between hemolytic streptococcus and Streptococcus viridans in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rheumatism and acute streptococcal infections] Usviatsov BIa, et al. Vopr Revm 11:56-61, Jan-Mar 71 (Rus)

MORTALITY

Mortality rates for rheumatic fever and rheumatic heart disease, 1940-65. Quinn RW, et al. Public Health Rep 85:1091-101, Dec 70

OCCURRENCE

The changing face of acute rheumatic fever. Besterman E. Br Heart J 32:579-82, Sep 70
Eradication of rheumatic fever: an unfulfilled hope. Markowitz M. Circulation 41:1077-84, Jun 70
Rheumatic fever and rheumatic heart disease on campus--1956-1969. Findlan C. J Am Coll Health Assoc 19:131-5, Dec 70
Rheumatic heart disease and rheumatic fever--prevalence in a village community of Bichpuri Block Agra. Mathur KS, et al. J Assoc Physicians India 19:151-6, Feb 71
Rheumatic fever in Mississippi. 104 Cases seen over a decade. Pilapil VR, et al. JAMA 215:1626-30, 8 Mar 71
[Sampling studies on the occurrence of rheumatic fever in children] Lorenz K. Dtsch Gesundheitsw 25:693-5, 16 Apr 70 (Ger)
[Epidemiology of rheumatic fever] Carcassi A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1070-92, 1968 (Ita)
[Rheumatic disease in the pediatric department of the Provincial Hospital of Foligno: clinical and therapeutic data] Cagini P, et al. Clin Pediatr (Bologna) 52:523-6, Dec 70 (Ita)
[Rheumatic disease as a social problem: its etiopathogenetic and immunoprophylactic aspects] Di Rocco P. Ig Mod 62:681-98, 1969 (Ita)
[Clinical and statistical observations on 872 cases of rheumatic fever] Vassallo F, et al. Pediatria (Napoli) 78:505-24, 30 Jul 70 (Ita)
[Epidemiology of rheumatic disease in the Province of Siena] La Cauza C, et al. Riv Clin Pediatr 81:1280-4, Nov-Dec 68 (Ita)
[Rheumatism as a cause of disability of collective farmers] Shusteva VI. Vopr Revm 10:68-71, May-Jun 70 (Rus)
[Labor conditions and rheumatic fever in the silk-weaving mills] Zaftseva MP. Zdravookhr Ross Fed 15:7-10, Jun 71 (Rus)
[Epidemiology of rheumatic fever in Chile] Medina E, et al. Rev Med Chil 98:646-50, 1970 (Spa)

PATHOLOGY

Specific and nonspecific structures developing in inflammatory rheumatic diseases. Fassbender HG. Acta Pathol Jap 20:409-22, Nov 70
Congestive heart failure and jaundice following replacement of cardiac valves. Am J Med 50:797-808, Jun 71
The kidney in acute rheumatic fever. Clinicopathological correlations. Cohen S, et al. Arch Intern Med 127:245-9, Feb 71
[Quantitative-qualitative studies of a local inflammation] Jorke D, et al. Z Gesamte Inn Med 26:96-102, 1 Feb 71 (Ger)
[Peculiar aspects of the microscopic morphology of the liver in the course of acute articular rheumatism] Cavalli G, et al. Clin Ter 47:138-46, 31 Dec 68 (Ita)
[The liver in acute and subacute rheumatic fever] Scalabrino R. Clin Ter 47:7-28, 31 Dec 68 (Ita)
[State of the intra-organic lymphatic system of the pharynx in rheumocarditis] Andriushin IuN, et al. Vopr Revm 10:48-53, Oct-Dec 70 (Rus)
[Peculiarities of proliferative reactions of connective tissue cells of the heart in rheumocarditis] Orlovskaia GV, et al. Vopr Revm 10:52-8, Aug-Sep 70 (Rus)
[Rheumatic fever in children] Gorodetskaia EG, et al. Pediatr Akush Ginekol 4:7-9, Jul-Aug 70 (Ukr)

PHYSIOPATHOLOGY

Notching of the QRS complex in high frequency electrocardiograms of normal children and in children with rheumatic fever. Holcroft JW, et al. J Electrocardiol 3:133-46, 1970
[Transitory electrocardiographic anomalies in acute rheumatic infections] Avegno R, et al. Cardiol Prat 20:321-30, Aug 69 (Ita)
[The liver in acute and subacute rheumatic fever] Scalabrino R. Clin Ter 47:7-28, 31 Dec 68 (Ita)
[Electroencephalographic changes in Sydenham's chorea] Reitano S, et al. Rass Neuropsichiatr 22:220-40, Apr-Jun 68 (Ita)
[Electrocardiographic changes during rheumatic carditis in children] Manicatide E, et al. Pediatria (Bucur) 19:513-20, Nov-Dec 70 (Rum)
[Changes in the phonocardiogram and structure of the cardiac cycle during streptococcal tonsillitis in dogs] Kvitnitskiĭ ME. Biull Eksp Biol Med 66:35-6, 1968 (Rus)
[Influence of controlled physical effort upon bronchial permeability in acute rheumatism in children] Matveev ET. Pediatr Akush Ginekol 4:12-3, Jul-Aug 68 (Rus)
[Dynamics of the systole phases in primary rheumocarditis in children] Anikanov LM. Pediatriia 49:25-9, Aug 70 (Rus)
[Correlation between the content of acetylcholine 2nd cholinesterase in the blood and state of the autonomic nervous system in children with rheumatism] Saffulina SK. Pediatriia 49:18-21, Aug 70 (Rus)
[Spectral phonocardiography in functional changes of the cardiovascular system in rheumatism in children] Zverev VA, et al. Pediatriia 49:21-5, Aug 70 (Rus)
[Immunobiochemical indices and functional state of the myocardium in patients with rheumatism in the prolonged and latent stages of rheumocarditis] Bobylev VIa, et al. Sov Med 33:71-4, Jul 70 (Rus)
[External respiration in patients with rheumatism] Bagirova VV. Ter Arkh 43:93-6, Mar 71 (Rus)
[Changes in the resorptive function of the small intestine in rheumatism] Leshchinskiĭ LA, et al. Vopr Revm 11:70-3, Jan-Mar 71 (Rus)
[Changes of phases in mechanical systole in rheumatic fever in children] Anikanov LM. Pediatr Akush Ginekol 1:17-8, Jan-Feb 70 (Ukr)
[Changes in the phase structure of heart systole in children with rheumatism and chronic tonsillitis] Diatkov VE. Pediatr Akush Ginekol 3:7-9, May-Jun 69 (Ukr)
[Some peculiarities of psychic reactions, mental activity and behavior in children with rheumatic fever] Kuznetsov MG, et al. Pediatr Akush Ginekol 2:11, 1971 (Ukr)
[Non-specific reactivity in rheumatism in children] Nakonechnaia NI, et al. Pediatr Akush Ginekol 2:10, 1971 (Ukr)
[Gastro-pancreatic system in rheumatism in children] Zubareva NG, et al. Pediatr Akush Ginekol 3:15-7, May-Jun 69 (Ukr)

PREVENTION & CONTROL

Prevention of rheumatic fever. A statement prepared by the Rheumatic Fever Committee of the Council on Rheumatic Fever and Congenital Heart Disease of the American Heart Association. Circulation 43:983-8, Jun 71
Cost and effectiveness of a program to prevent rheumatic fever. Robinson D. HSMHA Health Rep 86:385-9, Apr 71
Prevention of rheumatif fever and rheumatic heart disease. Taranta A, et al. J Am Osteopath Assoc 69:1122-38, Jul 70
Assessment of streptococcal infections. Antistreptolysin O titers. (1966--1967), Qalyub. Sorour AH, et al. J Egypt Med Assoc 52:Suppl 8-9:53+, 1969
Research in rheumatic fever. Wright IS. JAMA 215:298, 11 Jan 71
Rheumatic fever and throat culture. Nelson R. N Engl J Med 283:1111, 12 Nov 70
The role of the pediatrician in rheumatic fever control. Mortimer EA Jr. Pediatrics 47:1-5, Jan 71
[Prevention of acute articular rheumatism and bacterial endocarditis] Sternon J, et al. Acta Clin Belg 25:179-91, 1970 (Fre)
[Is tonsillectomy still justified in the prevention of streptococcal infections?] Sodomann CP. Internist (Berlin) 12:322-8, Aug 71 (Ger)
[Prevention of inflammatory heart diseases. With special reference to rheumatic fever] Anschütz F. Med Welt 14:543-6, 3 Apr 71 (Ger)
[Treatment of acute streptococcal infections for the primary prevention of rheumatic fever and glomerulonephritis] Cohen J, et al. Harefuah 77:331-3, 15 Oct 69 (Heb)
[Basic trends in the prevention and therapy of rheumatic fever] Policlinico [Prat] 77:1258-60, 28 Sep 70 (Ita)
[Activities of rheumatologic sections in pediatric societies] Dolgopolova AV, et al. Pediatriia 49:74-6, Aug 70 (Rus)
[Experience in organization of medical services in boarding schools for children with rheumatic diseases] Pal'ian MA, et al. Pediatriia 49:81-3, Aug 70 (Rus)
[Results of seasonal bicillin prevention of rheumatism recurrence in the desert climate of Ashkhabad] Kazimov GA. Ter Arkh 43:73-6, Mar 71 (Rus)
[Acute and chronic tonsillitis and primary prevention of rheumatism] Kostiuk NV. Vestn Otorinolaringol 32:70-4, Sep 70 (Rus)
[Duration of continuing bicillin-aspirin therapy in the prevention of recurrence of rheumatism in children] Beliaev SE. Vopr Okhr Materin Det 15:24-6, Sep 70 (Rus)
[Immuno-bacteriological characteristics of patients with rheumatism relapses receiving seasonal bicillin-medicinal prophylactic treatment] Fedotkina LK. Vopr Revm 10:41-4, May-Jun 70 (Rus)
[Establishing priorities in a rheumatic fever program] Trimmer Hernández C. Bol Of Sanit Panam 69:281-6, Oct 70 (Spa)
[Possibility of prevention of primary attacks of rheumatic fever] (Cz er) Bošmanský K. Vnitr Lek 17:361-5, Apr 71 (Slo)

REHABILITATION

[Rehabilitation of the rheumatic child in the DDR] Schmitz HH. Zentralbl Bakteriol [Orig] 214:412-6, 1970 (Ger)

THERAPY

Management of acute rheumatic fever. Markowitz M. Zentralbl Bakteriol [Orig] 214:407-11, 1970
[Influence of the Baltic Sea climate on the thermoregulation of child's organism in the light of selected parameters] Rybicka M. Pol Tyg Lek 25:1491-4, 5 Oct 70 (Pol)
[Experience in the organization of a rheumatologic service for children] Glotova AA. Pediatriia 50:66-8, Feb 71 (Rus)
[Experience in the work of a cardiorheumatologic dispensary] Korniushin MA, et al. Pediatriia 50:62-6, Feb 71 (Rus)
[Effect of mud applications and their combination with sodium salicylate on the cardiac function in modeling of rheumatism] Luzin LL. Vopr Kurortol Fizioter Lech Fiz Kult 35:231-3, May-Jun 70 (Rus)
[Action of mud applications and their combination with medicinal substances on the functional condition of the cardiovascular system and immunobiological indices in patients with rheumatism] Luzin LL, et al. Vopr Revm 10:80-3, May-Jun 70 (Rus)
[Effect of therapy in patients with active rheumatic processes in climatic conditions of the southern coast of Crimea] Mikhailova IN, et al. Vopr Revm 10:47-52, Aug-Sep 70 (Rus)
[Blood coagulation in rheumatism in children in connection with therapeutic practice] Tsivil'ova AV. Pediatr Akush Ginekol 4:15-6, Jul-Aug 68 (Ukr)

URINE

[The relationship between the character of the course of chorea minor and catecholamine excretion] Mirtovskaia VN, et al. Vrach Delo 112-4, Jan 71 (Rus)

RHEUMATIC HEART DISEASE (C1, C8)

Rheumatoid pericarditis. A report of two cases. Piessens J, et al. Acta Cardiol (Brux) 24:296-308, 1969
[Heart in rheumatoid arthritis] Ravetta A. Arch Sci Med (Torino) 126:1061-94, Dec 69 (Ita)
[Changes induced with propranolol in murmurs caused by mitral regurgitation] Biasco G, et al. Boll Soc Ital Cardiol 14:790-5, Jun 70 (Ita)
[The incidence of cardiac changes in a group of gouty patients] Giacovazzo M, et al. Reumatismo 21:288-91, Sep-Oct 69 (Ita)
[Histochemistry of mucopolysaccharides of placenta and umbilical cord in rheumatic heart diseases] Beglarian AG, et al. Akush Ginekol (Mosk) 46:75-6, May 70 (Rus)
[Effect of attending a sanitary-forest school on the state of health and work capacity of children with rheumatism in the inactive phase] Dmitrieva GI. Gig Sanit 35:101-2, Dec 70 (Rus)
[Rheumatic heart defect with obliteration of the mitral orifice] Chekareva GA. Grudn Khir 12:99-100, Sep-Oct 70 (Rus)
[Current problems of rheumatology] Iurenev PN, et al. Ter Arkh 42:38-43, Apr 70 (Rus)
[Some regularities in the onset rheumatic heart defects] Mutin SS, et al. Ter Arkh 43:58-63, Mar 71 (Rus)
[Heart defect and rheumatic process in children] Gorodetskaia EG, et al. Pediatr Akush Ginekol 3:6-7, May-Jun 69 (Ukr)
[Clinical manifestations and course of rheumocarditis in children of pre-school age] Koreneva IZ. Pediatr Akush Ginekol 3:13-5, May-Jun 69 (Ukr)

BLOOD

[Fibrinolytic activity in subacute endocarditis] Scrobohaci ML, et al. Thromb Diath Haemorrh 24:512-21, 31 Dec 70 (Fre)
[Evaluation of rheumatic activity in acquired heart diseases by quantitative plasma protein determination] Bachmann GW, et al. Schweiz Med Wochenschr 100:937-9, 30 May 70 (Ger)
[Evaluation of several blood coagulation indices in children with rheumatic polyserositis] Novikova LS, et al. Pediatriia 50:11-4, Feb 71 (Rus)
[Blood serum ceruloplasmin in patients with cardiac insufficiency due to rheumatic heart diseases and chronic nonspecific lung diseases] Shifrin MA, et al. Sov Med 33:68-70, Jul 70 (Rus)
[Importance of certain indices of the blood coagulation and anticoagulation system in assessing the activity of the rheumatic process and in the detection of vascular complications in rheumatism] Krasovitskiĭ VM. Ter Arkh 41:34-6, Sep 69 (Rus)
[Significance of studying blood DNA breakdown

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

products in patients with rheumatism] Trubnikov GA, et al. Ter Arkh 43:71-3, Mar 71 (Rus)
[Characteristics of the acid-base equilibrium of the blood in pregnant women with mitral heart disease of rheumatic origin] Nikolaeva ND.
Vopr Okhr Materin Det 16:69-72, Jan 71 (Rus)
[Disorders of blood amino acid metabolism in pregnant women with rheumatic heart disease] Korobel'shchikova NI.
Vopr Revm 10:43-8, Oct-Dec 70 (Rus)
[Certain biochemical changes in the blood in acute rheumatism in patients with heart defects and circulatory deficiency] Aslanian NL, et al.
Zh Eksp Klin Med 7:86-93, 1967 (Rus)
[Blood coagulation in rheumatism in children in connection with therapeutic practice] Tsivil'ova AV.
Pediatr Akush Ginekol 4:15-6, Jul-Aug 68 (Ukr)

CLASSIFICATION

[Experience in the use of A.I. Nesterov's nomenclature, classification and diagnostic criteria for rheumatism at the Jena University Medical Clinic] Seidel K, et al. Vopr Revm 11:41-6, Jan-Mar 71 (Rus)

COMPLICATIONS

Giant left atrium in rheumatic heart disease: a report of 18 cases treated by mitral valve replacement. Plaschkes J, et al. Ann Surg 174:194-201, Aug 71
Systemic embolism in rheumatic heart disease. Gray W, et al. Br Heart J 31:396, May 69
Tricuspid valve replacement in rheumatic heart disease. Braimbridge MV, et al.
Br Med J 3:629-31, 12 Sep 70
Rheumatoid heart disease with complete heart block. Harris M. J Clin Pathol 23:623-6, Oct 70
A guide to selection of surgical candidate of the pure chronic rheumatic mitral stenosis based upon hemodynamic parameters and roentgenographic findings of the pulmonary vasculature. Lien WP.
J Formosan Med Assoc 69:202-19, 28 Apr 70
Spontaneous conversion of chronic atrial fibrillation of twenty-two years' duration to sinus rhythm. Hanson R, et al. Minn Med 5:543-6, Jul 71
[Chorea minor and its relation to rheumatic fever] Wendler H. Arch Kinderheilkd 181:218-36, 1970 (Ger)
[Recurrent endocarditis in adults] Anschütz F.
Dtsch Med J 20:312-7, 27 May 69 (Ger)
[The atrial vectorcardiogram in defibrillated patients] Piccolo E, et al. Mal Cardiovasc 10:721-8, 1969 (Ita)
[The Adams-Stokes syndrome as a manifestation revealing acute polyarticular rheumatism] Schächter A, et al. Med Interna (Bucur) 22:1511-6, Dec 70 (Rum)
[Rheoencephalography in patients with acquired heart defects] Badalian LO, et al.
Kardiologiia 11:131-3, Feb 71 (Rus)
[Electrocardiographic observations in electro-impulse therapy] Pomortseva LV, et al.
Kardiologiia 10:57-61, Jun 70 (Rus)
[Use of consecutive analysis for electrocardiogram distinctions in patients with arteriosclerotic cardiosclerosis and mitral defects of the heart complicated by cardiac fibrillation] Rivkina GL.
Kardiologiia 10:112-7, Jul 70 (Rus)
[Changes in the central nervous system in complicated course of rheumatism in children] Tets BG.
Sov Med 32:53-7, Sep 69 (Rus)
[Work capacity of patients with rheumatic heart disease following elimination of cardiac fibrillation by an electroimpulse discharge] Melamed SB, et al.
Ter Arkh 43:44-7, Jan 71 (Rus)
[Pathogenesis of thromboembolic complications in rheumocarditis] Tsintsadze IN, et al.
Ter Arkh 42:110-5, Apr 70 (Rus)
[Activity of streptococcal foci and immunological shifts in the organism of the mother and fetus in rheumatic heart disease] Beglarian AG, et al.
Vopr Okhr Materin Det 15:51-5, Sep 70 (Rus)
[Auricular fibrillation in children] Ružičić RU.
Srp Arh Celok Lek 97:1343-52, Dec 69 (Ser)
[Jaccoud's syndrome and the association of rheumatoid arthritis and rheumatic fever] Brenes C, et al.
Arch Inst Cardiol Mex 41:127-36, Mar-Apr 71 (Spa)
[Myocardial infarct in rheumatic heart disease. Anatomoclinical correlation] Villalpando Gutiérrez J, et al.
Arch Inst Cardiol Mex 40:730-9, Nov-Dec 70 (Spa)
[Disorders of the motor-static function in rheumatism in children] Kosenko VS.
Pediatr Akush Ginekol 3:21-2, May-Jun 69 (Ukr)
[Changes of the central nervous system in rheumatism in children] Tets BG.
Pediatr Akush Ginekol 4:10-1, Jul-Aug 68 (Ukr)

DIAGNOSIS

Misuse of digitalis to mimic heart disease. Das G, et al.
Am J Cardiol 28:102-6, Jul 71
Rheumatoid heart disease. Kirk J, et al.
Br Heart J 31:387, May 69
Electrocardiogram of the month. Chernoff HM.
Conn Med 35:277, Apr 71
Primary prevention of rheumatic fever in Jerusalem schoolchildren. 3. Screening for heart disease by means of the PhonoCardioScan. Halfon ST, et al.
Isr J Med Sci 6:584-8, Sep-Oct 70
Rheumatoid heart disease. Spodick DH.
N Engl J Med 284:795, 8 Apr 71
Rheumatoid arthritis and rheumatoid heart disease. Barker A. NZ Med J 73:14-8, Jan 71
[Incidence of inflammatory complications after diagnostic heart catheterization in acquired and congenital heart defects] Plass R, et al.
Dtsch Gesundheitsw 25:598-600, 31 Mar 70 (Ger)
[Behavior of the ASL titer in diseases of rheumatic origin, determined with the traditional method and with the latex test] Parodi E, et al.
G Ig Med Prev 11:186-200, Jul-Sep 70 (Ita)
[Relation of vectorcardiographic changes to loading, development of heart ventricle hypertrophy and cardioscierosis] Apanasenko AA, et al.
Kardiologiia 10:128-32, Nov 70 (Rus)
[Diagnosis of rheumatic organic and relative tricuspid stenosis according to phonocardiogram data] Garagan SF. Kardiologiia 10:72-80, Sep 70 (Rus)
[Use of consecutive analysis for electrocardiogram distinctions in patients with arteriosclerotic cardiosclerosis and mitral defects of the heart complicated by cardiac fibrillation] Rivkina GL.
Kardiologiia 10:112-7, Jul 70 (Rus)
[The phase structure of left ventricular systole in rheumatic mitral heart defects] Vasil'tsev IaS, et al.
Kardiologiia 10:130-3, Jun 70 (Rus)
[Reaction of the lymphocytic system in different stages of rheumatism in preschool children] Andarzhanov FK. Pediatriia 49:74-5, Sep 70 (Rus)
[Phonocardiography and differential diagnosis of heart damage in the attack-free course of rheumatism and functional changes in the cardiovascular system in children] Liubavin IaG, et al.
Pediatriia 49:44-7, Apr 70 (Rus)
[Characteristics of the course of rheumatic heart disease in middle-aged and elderly patients] Adamova NS, et al. Ter Arkh 43:40-4, Jan 71 (Rus)
[Some characteristics of the clinical course of rheumatism in adults] Khamidova MKh, et al.
Ter Arkh 42:55-9, Oct 70 (Rus)
[Diagnosis and clinico-electrokymographic characteristics of recurring rheumocarditis in patients with combined mitral defects of the heart] Vorob'ev IV, et al. Ter Arkh 42:88-92, Aug 70 (Rus)
[Electrocardiographic observations of children during the extraparoxysmal phase of rheumatism during continuous and seasonal bicillin-aspirin preventive therapy] Beliaev SE.
Vopr Okhr Materin Det 15:88, Aug 70 (Rus)
[Peculiarities of involvement of the aortic valves in rheumatism in children] Tatochenko ZA, et al.
Vopr Okhr Materin Det 15:22-4, Sep 70 (Rus)
[Differential diagnosis of septic endocarditis, rheumatism and systemic lupus erythematosus] Butkevich OM. Vopr Revm 11:51-8, Jan-Mar 71 (Rus)
[Functional diagnosis of heart disease in patients with infectious nonspecific polyarthritis] Chepof VM, et al.
Vopr Revm 11:78-82, Jan-Mar 71 (Rus)
[Clinical importance of a high T peak in the electrocardiogram in patients with myocarditis] Nikitina TN. Vopr Revm 11:86-8, Jan-Mar 71 (Rus)
[Some indices of tissue reactivity in rheumatism] Selivanova GV. Vopr Revm 10:12-6, Aug-Sep 70 (Rus)
[Diagnosis of rheumatism in patients over 50 years of age in polyclinics] Spektor AM.
Vopr Revm 10:29-31, Aug-Sep 70 (Rus)
[Absence of electrocardiographic and pathological findings in a case of rheumatic mitral valve disease and spatial vectorcardiography] Aytür M.
Tip Fak Mecm 32:53-60, 1969 (Tur)
[Some errors in the diagnosis of rheumatism in children] Bogomolova FA, et al.
Pediatr Akush Ginekol 4:5-7, Jul-Aug 68 (Ukr)
[Comparison of diagnostic value of some laboratory indices in rheumatism in children] Lokteva LV.
Pediatr Akush Ginekol 3:17-8, May-Jun 69 (Ukr)
[Evaluation of the contractive ability of the myocardium during the inactive phase of the rheumatism in children by cardiography] Stetsenko VM. Pediatr Akush Ginekol 4:7-9, Jul-Aug 68 (Ukr)

DRUG THERAPY

Rheumatic fever chemoprophylaxis and penicillin-resistant gingival organisms. Spencer WH 3d, et al. Ann Intern Med 73:683-7, Nov 70
[Diuretic therapy of cardiac insufficiency using furosemide (Lasix) and chlorthalidone (Hygroton) in children with rheumatic cardiopathies] Bojkinov I, et al. Arch Kinderheilkd 82:115-27, Jan 71 (Ger)
[After care of patients following rheumatic fever] Meskó K, et al. Orv Hetil 111:2117-8, 6 Sep 70 (Hun)
[Effect of stimulators of nucleic acid synthesis on the myocardial contractile function in rheumatic heart disease] Mikunis RI, et al.
Kardiologiia 10:102-6, Nov 70 (Rus)
[Tactics of hormone therapy of children with rheumatism taking into account the diurnal rhythm of adrenal cortex function] Khamov SV.
Pediatriia 50:24-6, Feb 71 (Rus)
[Treatment of children with rheumatism and circulatory insufficiency] Kovaleva EV, et al.
Pediatriia 50:20-4, Feb 71 (Rus)
[Use of ascorbic acid in the polyclinical treatment of patients with recurring rheumocarditis] Lukashchuk L. Sov Med 33:139-41, 1970 (Rus)
[Differentiated assessment of the efficacy of therapy of primary and recurrent rheumocarditis] Ievleva LV, et al. Ter Arkh 41:29-33, Sep 69 (Rus)
[State of several hemodynamic indices in patients with chronic circulatory insufficiency and their changes under the effects of cardiotonic therapy] Mileshin PIa, et al. Ter Arkh 42:48-51, Nov 70 (Rus)
[Use of pyrimidine base precursors in the treatment of patients with recurrent rheumatism] Mikunis RI, et al. Vopr Revm 11:83-6, Jan-Mar 71 (Rus)
[Results of the 2d prophylactic treatment o rheumatim of children in Kiev] Oguz GA, et al.
Pediatr Akush Ginekol 4:3-4, Jul-Aug 70 (Ukr)

ENZYMOLOGY

[Histoenzymatic aspects of the subendocardial myofibrils in the auricles of patients with mitral valve diseases] Capurso A, et al.
Mal Cardiovasc 10:663-75, 1969 (Ita)
[Enzymatic activity of the blood serum in patients with chronic circulatory insufficiency] Borevskaia BD, et al. Ter Arkh 42:87-90, Dec 70 (Rus)
[Blood serum transaminase activity and urinary catecholamine content in patients with rheumatic heart failure with circulatory insufficiency] Liashuk PM, et al. Vopr Revm 10:55-8, May-Jun 70 (Rus)

ETIOLOGY

Pathogenesis of "rheumatic" heart disease:critique and theory. Burch GE, et al.
Am Heart J 80:556-61, Oct 70
Pathogenesis of "rheumatic" heart disease. Kalbian VV. Am Heart J 81:579, Apr 71
[Dynamics of the formation of mitral stenosis in rheumatism of children] Maksakova EN.
Vopr Revm 10:63-7, May-Jun 70 (Rus)
[Complications after tonsillectomy in patients with neurorheumatism] Kovalenko EF, et al.
Zh Ushn Nos Gori Bolezn 29:112-3, Jul-Aug 69 (Rus)
[Incidence and significance of acute rheumatic fever in the development of rheumatic carditis] Stošić D.
Med Glas 24:456-9, Oct-Nov 70 (Cro)
[Heart in chronic inflammatory rheumatism] Vukotic D. Reumatizam 18:57-8, 1971 (Cro)

IMMUNOLOGY

Impaired lymphocyte stimulation by some streptococcal antigens in patients with recurrent aphthous stomatitis and rheumatic heart disease. Francis TC, et al. Clin Exp Immunol 6:573-86, Apr 70
Haemagglutinating antibodies in rheumatic heart disease. Mathur KS, et al.
J Assoc Physicians India 19:343-8, May 71
[Allergic diseases of the cardiovascular system] Voriaender KO. Dtsch Med J 21:1209-15, 5 Oct 70 (Ger)
[Autoimmunologic processes in rheumatism] Feisch G.
Z Gesamte Inn Med 24:Suppl:145-6, 1 Jan 69 (Ger)
[Changes of gamma globulins of type A in some diseases in childhood] Bardare M, et al.
Minerva Pediatr 23:170-3, 4 Feb 71 (Ita)
[Serum immunoglobulin levels in rheumatology: use of radial immunodiffusion] Biddau A, et al.
Riv Crit Clin Med 67:141-55, Apr 67 (Ita)
[Some indices of natural immunity in patients with rheumatic heart disease] Finogenova AG.
Vopr Revm 10:8-11, Aug-Sep 70 (Rus)
[Incomplete circulating anti-tissue antibodies in rheumatism] Kustova NI.
Vopr Revm 10:83-5, May-Jun 70 (Rus)
[Comparative study of the spectrum of cardial autoantibodies in patients with rheumatism, persons threatened with respect to rheumatism and in healthy individuals] Stankaitene DI, et al.
Vopr Revm 10:14-20, Oct-Dec 70 (Rus)
[Various immunological data on patients undergoing mitral and mitral-aortic commissurotomy] Zavgorodniaia AM.
Zh Eksp Klin Med 7:53-6, 1967 (Rus)
[Autoimmunity and changes in the cardiovascular system in rheumatoid arthritis] Majstorović S, et al.
Med Glas 24:5-11, Jan 70 (Cro)

METABOLISM

[Change in myocardial metabolism in rheumatic heart disease] Beglarian AG, et al.
Arkh Patol 33:36-43, 1971 (Rus)
[Electron-cytochemical study of the distribution of acid polysaccharides in the endocardium of the left auricular appendage in rheumatic heart disease] Mul'diarov PIa, et al.
Biull Eksp Biol Med 70:110-2, Oct 70 (Rus)
[Protein, electrolyte and cellular composition of the pericardial fluid in patients with rheumatic heart

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

disease] Skribnik Ela, et al.
Kardiologiia 10:84-8, Aug 70 (Rus)

MORTALITY

Mortality rates for rheumatic fever and rheumatic heart disease, 1940-65. Quinn RW, et al.
Public Health Rep 85:1091-101, Dec 70

OCCURRENCE

The changing face of acute rheumatic fever. Besterman E. Br Heart J 32:579-82, Sep 70
Rheumatic fever and rheumatic heart disease on campus--1956-1969. Findlan C.
J Am Coll Health Assoc 19:131-5, Dec 70
Rheumatic heart disease and rheumatic fever--prevalence in a village community of Bichpuri Block Agra. Mathur KS, et al.
J Assoc Physicians India 19:151-6, Feb 71
Rheumatic heart disease survey. I. First survey (October--November, 1966). Sorour AH, et al.
J Egypt Med Assoc 52:Suppl 8-9:1+, 1969
Rheumatic heart disease survey. II. Second survey (March--May, 1967). Sorour AH, et al.
J Egypt Med Assoc 52:Suppl 8-9:15+, 1969
Difficulties in assessing the frequency of rheumatic heart disease in the general population. Sorour AH, et al. J Egypt Public Health Assoc 46:45-59, 1971
Observations on rheumatic haart disease in the Sudan. Ismail SA, et al.
Trans R Soc Trop Med Hyg 64:772-5, 1970
[Epidemiology of rheumatic fever] Carcassi A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1070-92, 1968 (Ita)
[Rheumatic disease in the pediatric department of the Provincial Hospital of Foligno: clinical and therapeutic data] Cagini P, et al.
Clin Pediatr (Bologna) 52:523-6, Dec 70 (Ita)
[The school cardiology service in the Province of Florence] Moriani M, et al.
Riv Clin Pediatr 81:1250-1, Nov-Dec 68 (Ita)
[Observation of children with rheumatic diseases in the children's ward of the County Hospital at Zywiec in 1954-1964] Oleszkiewicz J, et al.
Przegl Lek 24:641-3, 1968 (Pol)
[Incidence of congenital cardiopathies and rheumatic heart disease among students of the municipality of Santo André, State of São Paulo] Laganá R, et al.
Arq Bras Cardiol 23:415-20, Dec 70 (Por)
[Epidemiological study of rheumatic heart disease in a school population] Barbic N, et al.
Med Interna (Bucur) 23:715-20, Jun 71 (Rum)
[Rheumatism as a cause of disability of collective farmers] Shusteva VI.
Vopr Revm 10:68-71, May-Jun 70 (Rus)
[Labor conditions and rheumatic fever in the silk-weaving mills] Zaftaeva MP.
Zdravookhr Ross Fed 15:7-10, Jun 71 (Rus)
[Epidemiology of rheumatic fever in Chile] Medina E, et al. Rev Med Chil 98:646-50, 1970 (Spa)
[Rheumatic carditis in hospital records in a period of 10 years] Velnić M. Med Glas 24:460-3, Oct-Nov 70 (Cro)

PATHOLOGY

Clinicopathologic conference. The medical complications of influenza. Am J Med 50:105-12, Jan 71
Acute rheumatic myocarditis at age 84. Singh MM, et al.
Chest 59:105-7, Jan 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1971.
N Engl J Med 284:1084-94, 13 May 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39-1971.
N Engl J Med 285:793-8, 30 Sep 71
Fever, weight loss, anemia, and congestive heart failure. NY State J Med 71:225-32, 15 Jan 71
Morphological and immunological studies in valvular heart surgery. Laufer A, et al.
Pathol Microbiol (Basel) 36:230-42, 1970
[Comparative study of subepicardiac ganglia in chronic Chagas', rheumatic and hypertensive heart diseases] Lopes ER.
Rev Inst Med Trop Sao Paulo 12:365-74, Nov-Dec 70 (Por)
[Morphological critera of organic mitral insufficiency in children with rheumatism] Chekareva GA.
Pediatriia 49:40-2, Aug 70 (Rus)
[Morphological changes of the heart muscle in experimental model of carditis] Akhnazarova VD.
Vopr Revm 11:29-36, Jan-Mar 71 (Rus)
[Lesions of the heart muscle fibers in various degrees of clinical activity of the rheumatic process] Gritsman NN, et al. Vopr Revm 10:8-14, Oct-Dec 70 (Rus)
[Morphology and histochemistry of biopsy tissue of the left heart ventricle and auricle in mitral stenosis and combined mitral-aortic rheumatic defect] Beglarian AG, et al. Zh Eksp Klin Med 7:38-45, 1967 (Rus)

PHYSIOPATHOLOGY

Studies on pulmonary arterial pressure curve in children with left to right intracardiac shunts. Kawamura K.
Acta Paediatr Jap [Overseas] 13:6-14, Jun 71
Rheumatic tricuspid stenosis. A haemodynamic correlation. el-Sherif N. Br Heart J 33:16-31, Jan 71
[Hemodynamic effects of right auricular stimulation before and after administration of a beta-blockader agent] Bensaid J, et al.
Arch Mal Coeur 64:670-90, May 71 (Fre)
[Study of thyroid function in subjects with acquired cardiac valve defects] Furbetta D, et al.
Cardiol Prat 21:273-6, Aug 70 (Ita)
[Electrocardiographic changes during rheumatic carditis in children] Manicatide E, et al.
Pediatria (Bucur) 19:513-20, Nov-Dec 70 (Rum)
[Remote sequelae of pregnancy and labor in women with heart failure] Zafdieva ZN.
Akush Ginekol (Mosk) 46:52-5, Jul 70 (Rus)
[General and renal hemodynamics in patients with mitral defects of the heart and arterial hypertension] Akhrem-Akhremovich RM, et al.
Kardiologiia 10:81-7, 1970 (Rus)
[Evaluation of the excretory function of the liver in patients with rheumatic heart disease and circulatory insufficiency] Slavutskaia FM.
Kardiologiia 11:105-8, Feb 71 (Rus)
[Treatment of children with rheumatism and circulatory insufficiency] Kovaleva EV, et al.
Pediatriia 50:20-4, Feb 71 (Rus)
[Immunobiochemical indices and functional state of the myocardium in patients with rheumatism in the prolonged and latent stages of rheumocarditis] Bobylev VIa, et al. Sov Med 33:71-4, Jul 70 (Rus)
[Dynamics of heart contraction in rheumocarditis in children] Dovzhik OF.
Vopr Okhr Materin Det 15:16-9, Sep 70 (Rus)
[Analysis of several indices of physical development of children and adolescents depending on changes in the heart following rheumocarditis] Khodorovskaia IK, et al. Vopr Okhr Materin Det 16:86, Mar 71 (Rus)
[Effect of certain diuretic preparations on the osmoregulatory function of the kidney in children with circulatory deficiency] Shevchenko IA.
Vopr Okhr Materin Det 15:37-41, Aug 70 (Rus)
[Variants of the latent course of recurrent rheumocarditis and some electroencephalographic indices of the functional condition of the central nervous system] Kostrova VD, et al.
Vopr Revm 10:58-63, May-Jun 70 (Rus)
[Characteristics of vascular tonus in middle-aged and elderly patients with rheumatism] Rybkin LI.
Vopr Revm 10:71-2, May-Jun 70 (Rus)
[Non-specific reactivity in rheumatism in children] Nakonechnaia NI, et al.
Pediatr Akush Ginekol 2:10, 1971 (Ukr)
[Gastro-pancreatic system in rheumatism in children] Zubareva NG, et al.
Pediatr Akush Ginekol 3:15-7, May-Jun 69 (Ukr)
[Function of the thyroid gland in heart insufficiency] Janotka M, et al.
Bratisl Lek Listy 55:686-96, Jun 71 (Slo)

PREVENTION & CONTROL

Can we prevent heart disease? Werkö L.
Ann Intern Med 74:278-88, Feb 71
Prevention of rheumatif fever and rheumatic heart disease. Taranta A, et al.
J Am Osteopath Assoc 69:1122-38, Jul 70
[The role of convalescent sanatoria in the prevention of infantile rheumatic carditis] Hurmuzacke E, et al.
Minerva Pediatr 22:1344, 30 Jun 70 (Fre)
[Prevention of inflammatory heart diseases. With special reference to rheumatic fever] Anschütz F.
Med Welt 14:543-6, 3 Apr 71 (Ger)
[Activities of rheumatologic sections in pediatric societies] Dolgopolova AV, et al.
Pediatriia 49:74-6, Aug 70 (Rus)
[Results of complex prophylaxis of rheumatic heart disease in children] Nakonechna NI.
Pediatr Akush Ginekol 4:4-6, Jul-Aug 70 (Ukr)

RADIOGRAPHY

[Angioarchitectonics of the heart in rheumatic defects in middle-aged and aged persons] Kremenetskaia LE.
Arkh Patol 32:40-6, 1970 (Rus)
[The dynamics of the roentgenologic picture of primary rheumocarditis] Shanina VA.
Klin Med (Mosk) 49:57-60, Mar 71 (Rus)

REHABILITATION

[Prevention and rehabilitation of rheumatic heart valve diseases] Grünewald B.
Z Allgemeinmed 47:705-9, 10 May 71 (Ger)
[Studies on the scholastic situation of children and adolescents with cardiovascular injury of rheumatic origin] Grein HD.
Z Gesamte Hyg 17:148-54, Feb 71 (Ger)

SURGERY

[Annuloplasty and mitral protheses in child and adolescent] Ben-Ismail M, et al.
Arch Mal Coeur 63:1621-34, Nov 70 (Fre)
[Postoperative stress reaction with respect to relative adrenocortical insufficiency in comparison with standard behavior] Wendt F.
Endokrinologie 56:339-46, 1970 (Ger)
[Long-term use of paired electric stimulation of the heart] Poliakov VP.
Grudn Khir 13:116, Jan-Feb 71 (Rus)
[Results of late observations of patients who have had surgery for rheumatic heart defects] Belen'kaia DSh.
Klin Med (Mosk) 48:62-3, Nov 70 (Rus)
[Effect of massive homologous blood transfusions on the organism of patients with acquired heart defects during surgery with artificial circulation] Burakovskiĭ VI, et al. Vestn Khir 106:85-9, Mar 71 (Rus)

THERAPY

Rheumatic heart disease, 1970. A brief review for the general practitioner. Peak HJ.
Med J Aust 1:1122-4, 22 May 71
[Severe rheumatismal pancarditis in the young child treated by electrosystolic pacing] Pernot C, et al.
Arch Fr Pediatr 27:953-66, Nov 70 (Fre)
[Rheumatic myocarditis] Mise J, et al.
Naika 27:1082-6, Jun 71 (Jap)
[Organization of medical service for children with rheumatism and chronic nonspecific respiratory diseases in Pioneer health camps] Kharina EN, et al.
Pediatriia 50:69-72, Jun 71 (Rus)
[Effect of therapeutic gymnastics and swimming on the condition of children with rheumatism] Strakovskaia VL, et al. Pediatriia 50:26-9, Feb 71 (Rus)
[Differential therapeutic-health regimen in a local children's rheumatologic sanatorium] Volkova EI.
Pediatriia 50:29-34, Feb 71 (Rus)
[Repeated blood transfusions in complex therapy of rheumatism in children] Gudzenko PM, et al.
Pediatr Akush Ginekol 3:22-4, May-Jun 69 (Ukr)
[Blood coagulation in rheumatism in children in connection with therapeutic practice] Tsivil'ova AV.
Pediatr Akush Ginekol 4:15-6, Jul-Aug 68 (Ukr)

URINE

[Estrogen level in certain cardiovascular diseases of rheumatic etiology in pregnancy] Foĭ AM, et al.
Vopr Okhr Materin Det 15:55-7, Sep 70 (Rus)
[Blood serum transaminase activity and urinary catecholamine content in patients with rheumatic heart failure with circulatory insufficiency] Liashuk PM, et al. Vopr Revm 10:55-8, May-Jun 70 (Rus)
[Study of diurnal rhythm of the secretion of 17-desoxycorticosteroids in children with rheumocarditis] Tatarinov AL, et al.
Vopr Revm 11:73-6, Jan-Mar 71 (Rus)

RHEUMATIC NODULE (C3)

[Rheumatic granuloma of the vocal cords] Albrecht R.
Monatsschr Ohrenheilkd Laryngorhinol 104:485-8, 1970 (Ger)

IMMUNOLOGY

The localization of anti-heart antibodies to heart tissue in rats and rabbits with special reference to the induction of granuloma of Aschoff body type.
Tomioka H. Acta Pathol Jap 20:451-66, Nov 70

PATHOLOGY

Congestive heart failure and jaundice following replacement of cardiac valves.
Am J Med 50:797-806, Jun 71
Acute rheumatic myocarditis at age 84. Singh MM, et al.
Chest 59:105-7, Jan 71
[Rheumatoid nodules without rheumatism] Delacrétaz J, et al.
Bull Soc Fr Dermatol Syphiligr 76:318-9, 1969 (Fre)
[Light- and electron-microscopical observations of rheumatoid nodule] Ryo F.
Acta Soc Ophthalmol Jap 75:252-5, 20 Jan 71 (Jap)
[Ultrastructure of cells from the rheumatic granuloma] Dreĭer EO, et al. Vopr Revm 10:37-42, Oct-Dec 70 (Rus)

RHEUMATISM (C3, C17)

The complement system in rheumatoid synovitis. II. Intracytoplasmic inclusions of immunoglobulins and complement. Britton MC, et al.
Arthritis Rheum 14:87-95, Jan-Feb 71
Nineteenth Rheumatism review.
Arthritis Rheum 13:458-9, Sep-Oct 70
Twenty-five years of rheumatology. Copeman WS.
Br J Clin Pract 25:55-7, Feb 71
The 1970 annual meeting of the American Rheumatism Association. Bull Rheum Dis 21:617-20, Nov 70 (47 ref.)
Rheumatoid disease. 1. Clinical aspects. Grahame R.
Nurs Times 67:664-7, Jun 71
Schönlein-Henoch purpura in the adult. A study of 77 adults with anaphylactoid or Schönlein-Henoch purpura. Cream JJ, et al. Q J Med 39:461-84, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Trends in rheumatology 1969. Holt PJ.
Rep Rheum Dis 40:1-2, Jun 70
The Sheffield region. Development and future plans for physical medicine and rheumatology. Simpson N.
Rheumatol Phys Med 11:88-9, May 71
[A 3rd hospital for rheumatic patients opened in Sweden] Horváth G.
Fysiatr Reumatol Vestn 48:231, Oct 70 (Cse)
[Some medico-social aspects of rheumatic diseases] Hemmer P.
Bull Soc Sci Med Grand Duche Luxemb 106:317-20, Oct 69 (Fre)
[Schönlein-Henoch rheumatoid purpura. Study of 36 cases] Leiong M, et al.
Lille Med 13:307-12, Mar 68 (Fre)
[Rheumatoid purpura (Schönlein-Henoch syndrome) in the adult. Apropos of 22 cases] Debray J, et al.
Sem Hop Paris 47:1805-19, 14 Jun 71 (Fre)
[Rheumatology today and 20 years ago] Tichy H.
Arch Phys Ther (Leipz) 21:23-9, Jan-Feb 69 (Ger)
[Documentation in the rheumatological clinic] Böni A, et al. Verh Dtsch Ges Rheumatol 1:278-88, 1969 (Ger)
[Report on the Austrian convention on Rheumatism, March 19-21, 1970, Graz University Medical Clinic, Austria] Borkenstein E.
Z Rheumaforsch 29:300-3, Sep-Oct 70 (Ger)
[Dimensions of disability in rheumatoarthropathies] L'Eltore G, et al. Clin Ter 47:156-73, 31 Dec 68 (Ita)
[Observation on rheumatism research facilities in Europe] Kodama T.
Orthop Surg (Tokyo) 22:330-5, Apr 71 (Jap)
[Rheumatology: its education and teaching] Nava P.
Hospital (Rio de J) 78:729-44, Sep 70 (Por)
[An unusual case of palindromic rheumatism] Mâinea I, et al. Med Interna (Bucur) 22:1011-6, Aug 70 (Rum)
[Current problems of rheumatology] Iurenev PN, et al.
Ter Arkh 42:38-43, Apr 70 (Rus)
[Experience in organizing dispensary observation of patients with rheumatism] Korulin VM, et al.
Zdravookhr Ross Fed 14:26-8, Oct 70 (Rus)
[Conceptual development of rheumatic diseases] Costero I, et al.
Arch Inst Cardiol Mex 41:294-323, May-Jun 71 (Spa)
[Rheumatic diseases in the temporomandibular joint] Ordonez Badillo J.
Rev Fed Odontol Colomb 18:63-5, Apr-Jul 69 (Spa)
[The importance of the basic sciences in rheumatology] Astorga G. Rev Med Chil 98:642-5, 1970 (Spa)
[The Chilean Society of Rheumatology] Losada M.
Rev Med Chil 98:585-6, 1970 (Spa)

BLOOD

Serum caeruloplasmin in rheumatology. Roux H, et al.
Ann Rheum Dis 29:689-90, Nov 70
[Osmotic resistance of leukocytes in rheumatoid disease] Szymański AF. Przegl Lek 26:772-7, 1970 (Pol)
[Level and types of haptoglobin in the blood serum in patients with rheumatism] Tikhonov VP.
Ter Arkh 42:106-10, Apr 70 (Rus)
[Rheumatoserology. Its application in orthopedics] Duek R. Med Panam 22:5-6, 1 Jan 64 (Spa)

CLASSIFICATION

[Chondrodysplasic rheumatism] Auquier L, et al.
Rev Rhum Mal Osteoartic 37:842-3, Dec 70 (Fre)
[Chondrodysplasic rheumatism] Kahn MF, et al.
Rev Rhum Mal Osteoartic 37:825-41, Dec 70 (Fre)
[Differentiation of degenerative and inflammatory rheumatic diseases in the statistics] Presber W.
Beitr Orthop Traumatol 17:729-32, 1970 (Ger)

COMPLICATIONS

Empyema in rheumatoid lung disease. Blau SP.
Ann Intern Med 75:476-7, Sep 71
Some rheumatological emergencies. Dixon AS.
Rep Rheum Dis 41:1-2, Jun 70
[Morphological gastrointestinal alterations during rheumatismal disease] Caluser IT.
Acta Gastroenterol Belg 32:541-51, Jul-Aug 69 (Fre)
[Ocular manifestations in rheumatic diseases (new contributions)] Casanovas J, et al.
Arch Ophtalmol (Paris) 30:841-54, Dec 70 (Fre)
[Renal involvement in rheumatoid purpura in adults. Study of 20 renal biopsies. Value of the examination of the glomerulus in immunofluorescence] Fillastre JP, et al. Presse Med 78:2375-8, 12 Dec 70 (Fre)
[The diabetologic minimum in rheumatology] Chimenes H, et al.
Rhumatologie 21:157-61, May 69 (Fre)
[Treatment of rheumatic eye diseases] Hauschild E.
Dtsch Gesundheitsw 26:1223-7, 24 Jun 71 (Ger)
[Sacroiliitis, Reiter's disease and spinal rheumatism] Ott VR. Dtsch Med J 20:301-7, 27 May 69 (Ger)
[Problem patient in rheumatology] Schild R, et al.
Schweiz Med Wochenschr 101:299-303, 27 Feb 71 (Ger)
[Nephropathy in course of rheumatoid purpura] Rosti D. Minerva Pediatr 23:606-10, 7 Apr 71 (Ita)
[Pulmonary lesions in the course of rheumatic disease] Krzanowska E. Gruzlica 39:559-62, Jun 71 (Pol)
[Problems in the treatment of fractures in patients with rheumatoid diseases] Leydo R, et al.
Przegl Lek 28:874-5, 1970 (Pol)
[Incidence and characteristics of cerebral disease in rheumatism] Iasinovskiĭ MA, et al.
Klin Med (Mosk) 48:148-56, Aug 70 (Rus)
[Rheumatic pneumonitis. Report of 2 cases] Cueto L, et al. Arch Inst Cardiol Mex 40:156-63, Mar-Apr 70 (Spa)
[Pain in rheumatic inflammation] Barceló P.
Rev Esp Reum Enferm Osteoartic 13:381-90, Jul 70 (24 ref.) (Spa)
[Influence of controlled oxygen therapy upon higher nervous activity in children with rheumatism] Gordeev VV.
Pediatr Akush Ginekol 4:13-4, Jul-Aug 68 (Ukr)
[Immunosuppressive therapy of kidney lesio in Schönlein-Henoch purpura] Pavkovčeková O, et al.
Cas Lek Cesk 109:1157-65, Dec 70 (Slo)
[Henock-Schönlein purpura and glomerulonephritis in children] Pavkovčeková O, et al.
Cesk Pediatr 26:59-62, Feb 71 (Slo)
[Intestinal parasitoses in patients with systemic connective tissue diseases] Ristić M.
Med Glas 23:80-3, May-Aug 69 (Cro)

DIAGNOSIS

Skin clues in the diagnosis of rheumatism and arthritis. Gordon W. S Afr Med J 44:1186-9, 17 Oct 70
Challenges in rheumatology. A tribute to Nobel Laureate Philip Hench, M.D., F.A.C.P. (Hench P), Paulson GS. SD J Med 23:9-16 passim, Nov 70
[Attempt at the application of a diagnostic model in rheumatology] Dostál C, et al.
Fysiatr Reumatol Vestn 45:234-7, Aug 67 (Cze)
[Differential diagnosis of rheumatic diseases of the hand after the age of 60] Saudan Y.
Rev Med Suisse Romande 88:321-30, May 68 (Fre)
[Quota of diagnostic errors and the degree of diagnostic reliability in rheumatic diseases in the Gera district] Leistner K, et al.
Dtsch Gesundheitsw 25:2431-9, 17 Dec 70 (Ger)
[Laboratory diagnosis of rheumatic diseases] Thumb N. Med Monatsschr 25:371-2, Aug 71 (Ger)
[Gout from the view of a special hospital for rheumatic patients] Klotz H, et al.
Wien Klin Wochenschr 83:177-80, 19 Mar 71 (Ger)
[Importance of special cytologic phenomena in the differential diagnosis of rheumatic diseases] Reske W, et al. Z Gesamte Inn Med 26:373-8, 15 Jun 71 (Ger)
[Significance of the copper chloride reaction by the Riebeling technic for the diagnosis of rheumatic diseases] Siering H, et al.
Z Gesamte Inn Med 26:102-7, 1 Feb 71 (Ger)
[Efficiency of human and horse erythrocytes in the antistreptolysin reaction] Otto R.
Z Immunitaetsforsch Exp Klin Immunol 142:136-40, Aug 71 (Ger)
[Activities of the cardio-rheumatology section of the center of preventive school medicine of the town of Sesto San Giovanni] Parenti B.
Boll Soc Ital Cardiol 14:571-6, 1969 (Ita)
[Sensitivity of some human latex-FII preparations in rheumatoid hemagglutination reactions] Ciompi ML, et al. G Clin Med 51:662-70, Aug 70 (Ita)
[Behavior of the ASL titer in diseases of rheumatic origin, determined with the traditional method and with the latex test] Parodi E, et al.
G Ig Med Prev 11:186-200, Jul-Sep 70 (Ita)
[Value of some immunological indices in diagnosis of inflammatory rheumatism] Mihalcu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:407-13, Sep-Oct 70 (Rum)
[Heparin-precipitating fraction of the blood in rheumatism and infectious nonspecific polyarthritis] Balaban SIa, et al. Ter Arkh 42:69-71, Jul 70 (Rus)
[Diagnosis of rheumatism (methologic aspects)] Shamarin PI. Vopr Revm 10:38-42, Aug-Sep 70 (Rus)
[Analysis of the rheumatoid factor in rheumatic and nonrheumatic pathology. Study of 257 cases] Gonzalez M, et al. Rev Med Chil 98:628-32, 1970 (Spa)
[Some errors in the diagnosis of rheumatism in children] Bogomolova FA, et al.
Pediatr Akush Ginekol 4:5-7, Jul-Aug 68 (Ukr)
[Rheumatic difficulties in the menopause] Protić-Hlušička D, et al. Med Glas 24:24-7, Jan 70 (Cro)
[Significance of examination of synovial fluid in the Clinic of Rheumatic Diseases] Vojtíšek O.
Reumatizam 17:161-8, 1970 (Cro)

DRUG THERAPY

Effect of single-dose alternate-day corticosteroid administration on hypothalamo-pituitary-adrenal function in patients with rheumatoid disease. Carter ME, et al. Ann Rheum Dis 29:690, Nov 70
Pharmacological and clinical study of a new anti-inflammatory non-steroid topic, Bufexamac. Rosselle N, et al.
J Belge Rhumatol Med Phys 26:70-80, Mar-Apr 71
Systemic adrenocortical steroids--alternate day vs. daily dosage. Med Lett Drugs Ther 12:82-3, 2 Oct 70
Anti-inflammatory drugs in the treatment of rheumatic diseases. Hart FD. Practitioner 205:597-603, Nov 70
The development of an antirheumatic drug. Adams SS.
Rheumatol Phys Med 11:89, May 71
[The acetyl-hydroxyproline, metabolic harmonizator of connective tissue (100 cases in rheumatologic practice)] Laborie G, et al.
Bord Med 3:3059-60 passim, Dec 70 (Fre)
[Equilase in rhumatology. Evaluation of 3 years of trials in 300 patients] Laborie G, et al.
Bord Med 4:1323-34, Apr 71 (Fre)
[Study of diacetylthiamine (Nevriton) in current ambulatory rheumatic pathology] Famaey JP.
Brux Med 51:123-7, Feb 71 (Fre)
[Use of delayed-action Cortrosyn (Tetracosactide) in rheumatology. Apropos of 32 cases] Lièvre JA, et al.
Brux Med 50:1103-12, Dec 70 (Fre)
[Experimental study of the pharmacodynamic effects of a camphosulfonic derivative of nicotinoyl dimethyl pyrazolone] La Barre J, et al.
Bull Acad R Med Belg 8:469-88, 1968 (Fre)
[Erythrodermia, pustulai psoriasis, rheumatic state in a ten-year-old child. Successful effect of the combination of antibio-corticotherapy and methotrexate] Huriez C, et al.
Bull Soc Fr Dermatol Syphiligr 77:396-8, 1970 (Fre)
[Effectiveness and tolerance of rectally administered Pentazocine] Siraux P, et al.
J Belge Rhumatol Med Phys 26:65-9, Mar-Apr 71 (Fre)
[Clinical trial of an antalgic preparation in rheumatology] Vincent G.
J Sci Med Lille 89:35-8, Jan 71 (Fre)
[Therppeutic effects of optidase in rheumatology] Verhaeghe A, et al.
Lille Med 13:Suppl:252-6, Mar 68 (Fre)
[Trial of coenzyme B 12-5000 micrograms in rheumatology] Berthier L, et al.
Lyon Med 225:917-22, 9 May 71 (Fre)
[Study of sulpiride in rheumatologic practice] Robillard J, et al. Lyon Med 225:149-54, 24 Jan 71 (Fre)
[Value in rheumatology of a combination of a muscle relaxant, an analgesic and a corticoid] Doury P.
Maroc Med 49:296-9, May 69 (Fre)
[Indications for long term corticotherapy in pediatrics] Pichon R. Maroc Med 49:503-5, Aug-Sep 69 (Fre)
[Use of a new antirheumatic drug: midalgyl] Vignon G, et al. Presse Med 78:2145-6, 14 Nov 70 (Fre)
[Value of percutalgine in rheumatology] Cibert M, et al.
Rev Lyon Med 19:567-76, Aug-Sep 70 (Fre)
[On the clinical trial of an association of chlorzoxazone and dimethyl-amino-antipyrine (Oferal)] Bobulescu V, et al.
Rev Med Chir Soc Med Nat Iasi 74:729-33, Jul-Sep 70 (Fre)
[Association of chlorzoxazone, acetaminophen and prednisolone (Predniflex) in the treatment of rheumatismal diseases] Triandaf I, et al.
Rev Med Chir Soc Med Nat Iasi 74:723-7, Jul-Sep 70 (Fre)
[Local effectiveness and tolerance of intra- and peri-articular corticotherapy: betamethasone in microcrystalline suspension and in solution (comparative study)] Rubens-Duval A, et al.
Rev Rhum Mal Osteoartic 36:305-11, Jun 69 (Fre)
[Apropos of intra-articular chloroquine in rheumatology] Bouvenot G, et al.
Rhumatologie 22:37-40, Jan 70 (Fre)
[Use of the anti-inflammatory agent R.P. 16,091 in rheumatology; results of a double-blind sequential study] Deshayes P, et al.
Rhumatologie 22:29-36, Jan 70 (Fre)
[Anti-enzymatic medication by intra-articular route] Du Lac Y, et al. Rhumatologie 22:365-9, Nov 70 (Fre)
[Experimentation with Bufexamac in the rheumatologic clinic] Dumoulin J, et al.
Rhumatologie 22:351-5, Nov 70 (Fre)
[Value of metiazinic acid in the treatment of rheumatismal diseases] Jacquot F, et al.
Rhumatologie 22:265-70, Sep 70 (Fre)
[Local injections of enzyme inhibitors in the treatment of rheumatic diseases] Jacquot F, et al.
Rhumatologie 23:219-24, Jun-Jul 71 (Fre)
[Utilization of an anti-enzyme administered intra-articularly in the treatment of rheumatism] Riffat G, et al. Rhumatologie 22:19-28, Jan 70 (Fre)
[Nonsteroid anti-inflammatory agents. Value of equimolecular salt of phenylbutazone and piperazine in the treatment of rheumatic diseases] Delbarre F.
Therapeutique 47:231-5, Mar 71 (Fre)
[Clinical experience and angiomyographic control with a new experimental Glutisal-buton preparation] Szirmai E, et al.
Acta Med Okayama 24:355-63, Jun 70 (Ger)
[Bencyclane in the therapy of diseases of motor organs] Dellamartina F.
Arzneim Forsch 20:Suppl 10a:1448+, Oct 70 (Ger)
[Experiences with intra-articular Supertendin-depot therapy in the orthopedic practice] Mirecki GB.
Dtsch Med J 21:622-3, 5 May 70 (Ger)
[Gold therapy in rheumatic diseases] Mathies H.
Dtsch Med Wochenschr 96:179, 22 Jan 71 (Ger)
[Treatment of rheumatic diseases with immunosuppressive substances] Mathies H.
Med Monatsschr 25:3-8, Jan 71 (Ger)
[Drug therapy of rheumatic diseases, especially using

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Delta-Butazolidin] Winkler R.
Med Monatsschr 24:516-8, Nov 70 (Ger)
[At the begining of the 22d therapy-week. A press conference on a new antirheumatic agent]
Med Monatsschr 24:433-4, Oct 70 (Ger)
[Psychosomatic disorder factors in rheumatic diseases and their treatment with drugs] Vetter G.
Med Welt 40:1749-50, 3 Oct 70 (Ger)
[Experiences with Ambene in rheumatic diseases] Vorberg G. Med Welt 49:2125-6, 5 Dec 70 (Ger)
[Our experiences with a new antirheumatism agent, Perclusone] Vitaus M. Praxis 60:172-5, 9 Feb 71 (Ger)
[Clinical experiences with azapropazone in surgery] Vokner J. Praxis 59:1756-8, 15 Dec 70 (Ger)
[Dangerous complications of antirheumatic therapy] Scheibe O. Ther Ggw 109:1486 passim, Oct 70 (Ger)
[Treatment of rheumatic diseases with a new combination preparation (Realin)] Winkler R.
Ther Ggw 109:1301-2 passim, Sep 70 (Ger)
[Possibilities and limits of modification of symptoms in the spondylogenous syndrome with psychotropic substances] Straube W.
Verh Dtsch Ges Rheumatol 1:405-9, 1969 (Ger)
[Inflammatory rheumatism and fundamentals of its drug therapy] Borkenstein E.
Wien Med Wochenschr 121:449-52, 29 May 71 (Ger)
[Rheumatic diseases and K.H.3 in treatment and prevention] Bauer E.
Z Allgemeinmed 47:1238-40, 31 Aug 71 (Ger)
[Observation on the hitherto little known use of opino-gel] Blank K.
Z Allgemeinmed 46:893-4, 20 Jun 70 (Ger)
[Amino sugar in arthroses] Kurz JF.
Z Allgemeinmed 46:1090-5, 31 Jul 70 (Ger)
[Boxazin in rheumatic lesions. Therapeutic experiences in a rural practice] Sciuk F.
Z Allgemeinmed 46:1086-8, 31 Jul 70 (Ger)
[Physiopathology of cytostatic therapy in mesenchymal diseases] Husen N van, et al.
Z Rheumaforsch 30:156-62, May-Jun 71 (Ger)
[Controlled clinical testing of a new anti-inflammatory agent] Malerba F, et al.
Clin Ter 49:63-7, 15 Apr 69 (Ita)
[Clinical observations on the therapeutic effect of a new synthetic preparation in rheumatic diseases] Bianco G, et al.
Minerva Med 61:5234-40, 17 Nov 70 (Ita)
[Clinical trial of a new synthetic product: o-ethoxybenzylhydrazone of diethanolamine pyruvate associated with vitamins B 1, B 6 and B 12 and dichloroethanoate of diisopropylammonium in the treatment of rheumatic and neuritic pain syndromes] Faldini A, et al. Minerva Ortop 21:51-6, Jan 70 (Ita)
[Research and observations on the use of acetylsalicylic acid with delayed absorption in the therapy of rheumatic diseases] Viara M.
Policlinico [Prat] 77:976-80, 27 Jul 70 (Ita)
[Pharmacotherapy in rheumatic diseases] Munthe E.
Tidsskr Nor Laegeforen 91:219-21, 30 Jan 71 (Nor)
[Nobacid]
Tidsskr Nor Laegeforen 91:1478-9, 10 Jul 71 (Nor)
[Results of tests on the efficacy of Edan (Polfa) in rheumatic and pararheumatic diseases] Szymański AF. Przegl Lek 26:728-30, 30 Sep 70 (Pol)
[Clinical evaluation of Indocid. Observations gathered from several rheumatological centers] Sadowska-Wróblewska M.
Reumatologia 8:307-12, 1970 (Pol)
[Clinical observations on the action of indocid] Stasiewiczowa A, et al.
Wiad Lek 24:267-70, 1 Jul 71 (Pol)
[Use of hydroxocobalamin in rheumatic pains] Rachid A. Hospital (Rio de J) 78:429-37, Aug 70 (Por)
[Unified criteria for assessing the efficacy of treatment of rheumatism] Nesterov AI, et al.
Ter Arkh 41:3-6, Sep 69 (Rus)
[Experience in using indocide in the treatment of rheumatic diseases] Berovich Z, et al.
Vopr Revm 10:34-8, May-Jun 70 (Rus)
[Injections and local infiltrations of triamcinolone hexacetonide (Lederle) in rheumatology] De Usobiaga JL.
Rev Esp Reum Enferm Osteoartic 13:349-59, Apr 70 (Spa)

ENZYMOLOGY

[Enzymes in the synovial fluid of rheumatic patients] Asensi E, et al.
Rev Esp Reum Enferm Osteoartic 13:503-8, Oct 70 (Spa)
[Activity of leucine aminopeptidase of the blood serum in pregnant women with late toxicoses and some extragenital diseases] Bbbich Zlu, et al.
Pediatr Akush Ginekol 3:40-2, May-Jun 69 (Ukr)

ETIOLOGY

[Psychogenic rheumatism] Jung A.
Praxis 59:123-6, 27 Jan 70 (Ger)
[Rheumatic diseases and psyche] Schild R.
Praxis 59:19-23, 6 Jan 70 (Ger)
[The significance of catabolic mucopolysaccharide metabolism in the pathogenesis of degenerative rheumatism] Platt D.
Verh Dtsch Ges Rheumatol 1:263-70, 1969 (Ger)
[Analogous mesenchymal basic phenomena in the pathogenesis of different rheumatologic diseases] Junge-Hülsing G, et al.
Z Rheumaforsch 30:65-85, Mar-Apr 71 (Ger)
[On the viral etiology of acute rheumatism. IX] Abraham A, et al.
Stud Cercet Inframicrobiol 21:281-90, 1970 (Rum)
[Analysis of the causes of a recurrence of rheumatism in late periods after tonsillectomy] Kostiuk NV.
Vestn Otorinolaringol 32:63-7, Jul-Aug 70 (Rus)
[Effect of labor conditions on the development and course of rheumatism] Zaftseva MP.
Vopr Revm 10:59-64, Oct-Dec 70 (Rus)
[Rheumatism and asthma wit an otorhinolaryngologic focus] Mozota Sagardía JR.
Acta Otorinolaryngol Iber Am 21:140-9, 1970 (Spa)
[Endocrine rheumatism] Borrachero J.
Rev Esp Reum Enferm Osteoartic 13:331-42, Apr 70 (Spa)

HISTORY

William Sydney Charles Copeman C.B.E., T.D., M.A., M.D., F.R.C.P., 1900-1970. (Copeman WS), Savage O.
Ann Rheum Dis 30:105-6, Jan 71
The rheumatism department at the West London hospital. Savage O.
Rheumatol Phys Med 11:83-5, May 71
[25 years of liberated Czechoslovak rheumatology] Lenoch F.
Fysiatr Reumatol Vestn 48:193-6, Oct 70 (Cze)
[The work of André Lĕri] (Lĕri A), Liévre JA.
Sem Hop Paris 47:1630-7, 26 May 71 (Fre)
[Cardiac past. Considerations on the historical development of knowledge in the field of painful cardiac diseases due to changes in the coronary circulation. IV. The development of medical opinion on rheumatism and arthritis and arthritic interpretation of angina pectoris in the 18th century] Lunedei A. Riv Crit Clin Med 67:97-140, Apr 67 (Ita)
[History of rheumatology] Cerveňanská N.
Bratisl Lek Listy 55:634-8, May 71 (Slo)

IMMUNOLOGY

Palindromic rheumatism. Clinical and immunological studies. Williams MH, et al.
Ann Rheum Dis 30:375-80, Jul 71
Hidden antiglobulins in rheumatic disorders. Cracchiolo A 3d, et al.
Clin Exp Immunol 7:651-5, Nov 70
[Immunopathogenesis of rheumatism] Felsch G.
Dtsch Gesundheitsw 24:2319-21, 4 Dec 69 (Ger)
[Autoimmunologic processes in rheumatism] Felsch G.
Z Gesamte Inn Med 24:Suppl:145-6, 1 Jan 69 (Ger)
[Immunomorphology of rheumatism in children] Gusman BS. Arkh Patol 32:35-40, 1970 (Rus)
[Bacterial allergy in patients with chronic tonsillitis and rheumatism] Temirova KV, et al.
Sov Med 32:128-31, Sep 69 (Rus)
[Some immunological indices in pathological foci in the oral cavity in patients with rheumatism] Smoliar NI.
Stomatologiia (Mosk) 50:17-9, May-Jun 71 (Rus)
[Main trends of research in the field of immunology and immunopathology of rheumatism] Liampert IM.
Vopr Revm 11:5-12, Jan-Mar 71 (Rus)
[Heterogenous passive transfer of increased sensitivity using leukocytes from the blood of patients with allergic diseases] Sakharov PP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:68-71, Aug 70 (Rus)
[Our immunological experiences with synovial fluid] Fargas R, et al.
Rev Esp Reum Enferm Osteoartic 13:500-2, Oct 70 (Spa)

METABOLISM

[Lipids of the synovial fluid] Benach JO, et al.
Rev Esp Reum Enferm Osteoartic 13:509-19, Oct 70 (Spa)

OCCURRENCE

Rheumatism in industry: a review. Anderson JA.
Br J Ind Med 28:103-21, Apr 71 (203 ref.)
Rheumatic complaints. Wood PH.
Br Med Bull 27:82-8, Jan 71 (36 ref.)
[Technic of long-term follow up of morbidity in rheumatic diseases] Pavelka K.
Cesk Zdrav 19:26-31, 1971 (Cze)
[Analysis of so-called rheumatic and pseudorheumatic complaints in patients in general practice] Brühl W, et al. Reumatologia 9:41-58, 1971 (Ger)
[Survey on rheumatism morbidity in the mountain village Ergisch in Valais] Jaeger D.
Schweiz Med Wochenschr 101:268-9, 27 Feb 71 (Ger)
[Degenerative illness of lumbar vertebral column and its socioeconomic consequences in a Swiss town] Mennet P, et al.
Schweiz Med Wochenschr 101:293-6, 27 Feb 71 (Ger)
[Documentation of clinical findings in epidemiological studies in regard to rheumatic diseases] Behrend T, et al. Verh Dtsch Ges Rheumatol 1:311-5, 1969 (Ger)
[Panel talk. The rheumatic patients in the clinic, practice and health resort. The patients of a city rheumatological practice] Belart W.
Verh Dtsch Ges Rheumatol 1:324-8, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. The patients of the rheumatological hospital II in Bad Abbach] Boos O.
Verh Dtsch Ges Rheumatol 1:326-8, 1969 (Ger)
[Panel talk. The rheumatic patients in the clinic, practice and health resort. The patients of a city rheumatological practice]
Verh Dtsch Ges Rheumatol 1:324-6, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Rheumatologic patients of the medical clinics and polyclinics of the Giessen University]
Verh Dtsch Ges Rheumatol 1:336-8, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Patients of the university's rheumatological clinic and polyclinic in Zürich]
Verh Dtsch Ges Rheumatol 1:338-41, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Ambulatory rheumatic patients in the university's medical polyclinic in Munich]
Verh Dtsch Ges Rheumatol 1:332-6, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Patients of the rheumatological sanatorium in Bad Bramstedt]
Verh Dtsch Ges Rheumatol 1:330-2, 1969 (Ger)
[Inflammatory-rheumatic diseases in older age groups] Kaiser H. Z Allgemeinmed 47:222-5, 20 Feb 71 (Ger)
[Epidemiologic studies on the occurrence of chronic progressive polyarthritis and other rheumatic diseases in the town of Kaunas] Dievaitiene J.
Z Gesamte Inn Med 26:367-9, 1 Jun 71 (Ger)
[Incidence of positive serological tests for rheumatoid factor in a group of miners of the Amiata (Abbadia S.S.)] Bianco G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:655-62, 1968 (Ita)
[Epidemiological studies of the incidence of the rheumatoid factor in a community of aged subjects] Lunghetti R, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:741-52, 1968 (Ita)
[Observation of children with rheumatic diseases in the children's ward of the County Hospital at Zywiec in 1954-1964] Oleszkiewicz J, et al.
Przegl Lek 24:641-3, 1968 (Pol)
[Incidence of rheumatism and infectious arthritis amongst the inhabitants of the Prienai district in the Lithuanian SSR and clinical characteristics of these diseases] Matulis AA, et al.
Vopr Revm 10:67-71, Oct-Dec 70 (Rus)
[A study of the incidence of rheumatism in a section of Moscow] Leĭtes VG, et al.
Zdravookhr Ross Fed 15:19-22, Feb 71 (Rus)

PATHOLOGY

Evidence for altered lysosomal membranes in synovial lining cells from human rheumatoid joints. Chayen J, et al. Beitr Pathol 142:137-49, Feb 71
[Immunomorphology of rheumatism in children] Gusman BS. Arkh Patol 32:35-40, 1970 (Rus)

PHYSIOPATHOLOGY

Assessment of function in the rheumatoid hand. MacBain KP. Can J Occup Ther 37:95-103, Autumn 70
Rheumatic pains: some concepts and hypotheses. Glyn JH. Proc R Soc Med 64:354-60, Apr 71
[Importance of photokinetic pendulum test elaborated by Mumenthaler in rheumatologic diseases] Mennet P, et al.
Schweiz Med Wochenschr 101:296-9, 27 Feb 71 (Ger)
[Change of the erythropoietic activity of blood serum in patients with rheumatism] Vinokurova GP, et al.
Lab Delo 8:487-9, 1970 (Rus)
[Some peculiarities of the tonus and reactivity of the vessels in children with rheumatism] Shamansurov ShSh, et al. Vopr Revm 10:88-9, May-Jun 70 (Rus)
[Effect of the focus of chronic infection in the tonsils on the hormonal activity of the adrenal cortex in children] Mozalevskiĭ AF.
Zh Ushn Nos Gorl Bolezn 30:68-71, Mar-Apr 70 (Rus)

PREVENTION & CONTROL

[Methods, programs and problems in preventive therapy of arthropathies in advanced age] Bianchi V.
G Gerontol 18:1081-9, Nov 70 (Ita)
[Some problems of rheumatism prevention] Lindo GV.
Voen Med Zh 10:34-5, Oct 70 (Rus)

REHABILITATION

Management of the rheumatic patient in the community. Grant WR. Practitioner 205:841-5, Nov 70
Considerations on an 8-year-period of activity (1961-1969) of the first Romanian children's sanatorium for post-rheumatic cures of Mircesti-Iasi.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Hurmuzache E, et al.
Rom Med Rev 14:36-41, Oct-Dec 70
[Possibilities and limits of medicosurgical and rehabilitation therapy for the aged in rheumatology] Gilly R, et al. Rhumatologie 22:89-95, Mar 70 (Fre)
[Rehabilitation of rheumatic patients with a shoulder-hand syndrome] Dumitru M, et al.
Arch Phys Ther (Leipz) 22:276-8, Sep-Oct 70 (Ger)
[Rehabilitation of rheumatics] Böni A.
Praxis 60:1014-6, 27 Jul 71 (Ger)
[Rehabilitation of rheumatic diseases] Mathies H.
Ther Ggw 109:1445-6 passim, Oct 70 (Ger)
[Rehabilitation of rheumatic patients] Frenger W.
Z Allgemeinmed 46:1063-70, 31 Jul 70 (Ger)
[Rehabilitation as typified in rheumatic patients] Miehlke K. Z Allgemeinmed 47:1027-32, 20 Jul 71 (Ger)

SURGERY

[Surgery of the hand and rheumatism] Roullet J.
Lyon Med 18:Suppl:101-4, 1971 (Fre)

THERAPY

Collaboration between rheumatologist and orthopedic surgeon--a necessity. Käss E.
Acta Rheumatol Scand 16:257-60, 1970
Services available for rheumatism sufferers.
Ann Rheum Dis 30:428-43, Jul 71
Rheumatoid disease. 2. Caring for patients. Grahame R.
Nurs Times 67:701-4, 10 Jun 71
[Some notes from the study tour to Geneva] Hándlová D, et al. Fysiatr Reumatol Vestn 49:185-7, Aug 71 (Cze)
[50 years of Czechoslovak communist party and Czechoslovak rheumatology] Vykydal M.
Fysiatr Reumatol Vestn 49:145-7, Aug 71 (Cze)
[Treatment of psychogenic rheumatism] Vanslype J.
J Belge Rhumatol Med Phys 24:279-89, 1969 (Dut)
[Medical treatment of rheumatism of the hand] Lejeune E. Lyon Med 18:Suppl:79-83, 1971 (Fre)
[Value of hyperbaric oxygenation in rheumatic diseases] Gilly R, et al.
Maroc Med 50:387-8, Jun 70 (Fre)
[Rheumatism and thermalism. A controlled trial in 65 cases] Forestier F, et al.
Presse Therm Climat 107:200-5, 1970 (Fre)
[Establishment and work of a special rheumatologic department] Keitel W, et al.
Dtsch Gesundheitsw 25:2217-22, 19 Nov 70 (Ger)
[Physical and balneologic therapy of chronic rheumatic diseases] Ott VR.
Internist (Berlin) 8:258-64, Jul 67 (Ger)
[Critical remarks on rheumatism therapy] Josenhans G. Med Monatsschr 25:371, Aug 71 (Ger)
[The trial of physical medicine therapy of rheumatic patients] Drexel H.
Verh Dtsch Ges Rheumatol 1:305-10, 1969 (Ger)
[Current documentation of rheumatological therapy at the health resort] Evers A.
Verh Dtsch Ges Rheumatol 1:288-92, 1969 (Ger)
[Viewpoints of the medical statistician on the evaluation of results and documentation in rheumatology] Koller S.
Verh Dtsch Ges Rheumatol 1:271-8, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Summary]
Verh Dtsch Ges Rheumatol 1:341-2, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. Introduction]
Verh Dtsch Ges Rheumatol 1:322-4, 1969 (Ger)
[Panel talk. Rheumatic patients in the clinic, practice and health resort. The patients of the rheumatological clinic in Bad Kreuznach]
Verh Dtsch Ges Rheumatol 1:328-30, 1969 (Ger)
[Treatment with cupping glasses] Marsch F.
Z Allgemeinmed 46:933-5, 30 Jun 70 (Ger)
[Rehabilitation of the disabled by rheumato-arthropathy in the marine environment] Cazzagon R. Clin Ter 47:218-24, 31 Dec 68 (Ita)
[Fangobalneotherapy in the treatment and prevention of rheumatic diseases] Giordano M.
Clin Ter 47:192-209, 31 Dec 68 (61 ref.) (Ita)
[Thermal cure in rheumatology] Lenoch F.
Clin Ter 47:149-55, 31 Dec 68 (Ita)
[Advantages of physical therapy with special reference to and mud therapy in rheumatic and arthritic diseases] Acone L, et al.
Rass Int Clin Ter 49:744-50, 30 Jun 69 (Ita)
[Interviewing Jan A. Pahle] Solheim K.
Tidsskr Nor Laegeforen 91:900-3, 30 Apr 71 (Nor)
[Favorable effect of music on neurotic syndromes in rheumatoid diseases] Janicki A, et al.
Pol Tyg Lek 25:1714-6, 9 Nov 70 (Pol)
[Problem of balneologic reaction] Vaĭntsvaĭg PM, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:275-6, May-Jun 70 (Rus)
[Changes in the activity of the pathological process and some neuroendocrine functions in patients with rheumatism and infectious nonspecific polyarthritis during complex sanatorial and health resort treatment] Veĭnpalu Elu, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:414-7, Sep-Oct 70 (Rus)
[Therapy of children with rheumatism and chronic tuberculous infection in sanatorium-type youth camps] Tets BG, et al.
Pediatr Akush Ginekol 3:26-7, May-Jun 69 (Ukr)

URINE

[Urinary excretion of 5-hydroxyindoleacetic acid in the course of chronic rheumatism] Depraitère R, et al.
Rhumatologie 22:175-80, May 70 (Fre)

RHEUMATISM, MUSCULAR see FIBROSITIS (C5)

RHEUMATISM, PERI-EXTRA-ARTICULAR see

POLYMYALGIA RHEUMATICA (C3)

RHEUMATOID FACTOR (D12)

Demonstration of antibodies to muscle by absorption of rheumatoid factor. Aarli JA.
Acta Pathol Microbiol Scand [B] 79:365-71, 1971
Purpura, arthralgia, and IgM-IgM cryoglobulinemia with rheumatoid factor acrivity. Response to cyclophosphamide and splenectomy. Mathison DA, et al. Ann Intern Med 74:383-90, Mar 71
Reactivity between rheumatoid factor and rheumatoid tissue. Milde EJ. Ann Rheum Dis 30:84-90, Jan 71
Rheumatoid factor in Nigerian sera. Greenwood BM, et al. Clin Exp Immunol 9:161-73, Aug 71
Differentiation between rheumatoid and antigammaglobulin factors. Valeri CM, et al.
Folia Allergol (Roma) 17:556-69, Nov-Dec 70
Infectious virus-antibody complexes: interaction with anti-immunoglobulins, complement, and rheumatoid factor. Notkins AL.
J Exp Med 134:Suppl:41s-51s, 1 Sep 71
Complement fixation by a two-component antibody system: immunoglobulin G and immunoglobulin M anti-globulin (rheumatoid factor). Parodoxical effect related to immunoglobulin G concentration. Schmid FR, et al. J Exp Med 132:673-93, 1 Oct 70
Hidden rheumatoid factors reacting with "non a" and other antigens of native autologous IgG. Gasrder PI, et al. J Immunol 105:928-37, Oct 70
Antibody plaque-orming cells in mice immunized with human gamma globulin (HGG). II. Inhibition by mouse anti-HGG serum and human rheumatoid factor. Hege JS, et al. J Immunol 106:792-8, Mar 71
Conversion of soluble immune complexes into complement-fixing aggregates by IgM-rheumatoid factor. Tesar JT, et al. J Immunol 105:1206-14, Nov 70
Synovial tissue changes and rheumatoid factor in scleroderma. Clark JA, et al.
Mayo Clin Proc 46:97-103, Feb 71
Notes on joint diseases. VII. The rheumatoid factor. Healey LA. Northwest Med 69:788-9, Oct 70
Interaction of rheumatoid factor with infectious herpes simplex virus-antibody complexes. Ashe WK, et al. Science 172:176-7, 9 Apr 71
Reflections on anti-globulin antibodies. Waller M, et al.
Va Med Mon 98:10-2, Jan 71
[On the origin of erosive changes in rheumatoid arthritis] Boersma JW.
J Belge Rhumatol Med Phys 23:120-32, May-Jun 68 (Dut)
[Morphology of cells forming "rheumatoid rosettes" in humans] Phuoc-Sinh M, et al.
C R Acad Sci [D] (Paris) 271:1658-60, 2 Nov 70 (Fre)
[The rheumatoid rosette (R. R.) phenomenon in chronic evolutive polyarthritis. (C. E. P.). II. Significance; value in the diagnosis of serum-negative cases] Delrieu F, et al.
Presse Med 78:2175-9, 21 Nov 70 (Fre)
[Rheumatoid factors] Trouillas P.
Rev Lyon Med 19:159-64, 28 Feb 70 (Fre)
[A case of subacute hepatitis with transition into cirrhosis, gamma G paraproteinemia and positive rheumatoid serology] Bach G.
Wien Med Wochenschr 120:726-9, 17 Oct 70 (Ger)
[Cytoplasmic synovial inclusions in rheumatoid arthritis] Fantini F, et al.
Reumatismo 21:34-41, Jan-Feb 69 (Ita)
[Relationship between rheumatoid factor and complement] Tanimoto K, et al.
Jap J Allergy 20:466-80, 1971 (Jap)
[Diagnostic value of the rheumatoid factor] Filho AP, et al. Arq Bras Med 54:81-2, Mar 67 (Por)
[Rheumatoid factor] Houli J.
Hospital (Rio de J) 78:751-68, Sep 70 (Por)
[Interrelations of the rheumatoid factor and its inhibitors in the blood of children with infectious arthritis] Grigor'eva MP, et al.
Sov Med 33:145-6, Jul 70 (Rus)
[Seronegative rheumatoid polyarthritis. Current status of the question] Dreyfus P, et al.
Rev Clin Esp 115:529-30, 31 Dec 69 (Spa)
[Analysis of the rheumatoid factor in rheumatic and nonrheumatic pathology. Study of 257 cases] Gonzalez M, et al. Rev Med Chil 98:628-32, 1970 (Spa)

ANALYSIS

Depression of synovial fluid complement activity and rheumatoid factor positivity. Hedberg H.
Acta Med Scand 188:409-13, Nov 70
Serologic detection of gonorrhea. Diena BB.
Ann Intern Med 75:135, Jul 71
Rheumatoid factor in cases of rheumatic fever and parasitic infestation in children. Abdin ZH, et al.
Ann Rheum Dis 29:660-2, Nov 70
Quantitative aspects of the latex-fixation and Whaaler-Rose tests. Cats A, et al.
Ann Rheum Dis 29:663-72, Nov 70
Synovial fluid Waaler-Rose and latex tests. Huskisson EC, et al. Ann Rheum Dis 30:67-72, Jan 71
Effect of two factors, source of sheep cells and concentration of amboceptor, on the estimated titre of rheumatoid factor. Anderson SG, et al.
Bull WHO 43:681-5, 1970
Rheumatoid serum factor in populations in the U.K. I. Lung disease and rheumatoid serum factor. Lawrence JS, et al. Clin Exp Immunol 8:723-9, May 71
Autoimmunity in thermal injury: occurrence of rheumatoid factors, antinuclear antibodies and antiepithelial antibodies. Quismorio FP, et al.
Clin Exp Immunol 8:701-11, May 71
An immunofluorescence mixed staining technique for the detection of IgG-rheumatoid factor and IgG-beta-1C complexes in tissues. Tursi A, et al.
Clin Exp Immunol 6:767-72, May 70
Rheumatoid factor and antinuclear antibody in systemic lupus erythematosus, rheumatoid arthritis and infectious mononucleosis. Ichida CK, et al.
Hawaii Med J 30:170-3, May-Jun 71
Anti-gamma-globulins in rheumatoid arthritis sera. I. Studies on the 22S complex. Normansell DE.
Immunochemistry 7:787-97, Sep 70
The affinity of the rheumatoid factor for different tissues and the production in animals of a rheumatoid factor-like macroglobulin, simultaneously with arthritis. Svartz N.
J Belge Rhumatol Med Phys 24:200-8, Jul-Aug 69
Antibody and rheumatoid factor in synovia of pigs with Erysipelothrix polyarthritis. Timoney J.
J Comp Pathol 81:243-8, Apr 71
Rheumatoid factor and Australia antigen. Ziegenfuss JF Jr, et al. N Engl J Med 284:1104, 13 May 71
A serologic method using charcoal particles from commercial India ink. Application to several antigen-antibody systems with special reference to the rheumatoid factor. Erill S, et al.
Pathol Microbiol (Basel) 36:173-8, 1970
Evaluation of tests for rheumatoid factor. Henry JB, et al. Postgrad Med 48:49-52, Dec 70
[Demonstrating serum anti-gamma globulin factors with erythrocytes sensitized by Vi-polysaccharides and anti-D-complete serum] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:165-70, 1969 (Bul)
[Cellbound rheumatoid factor in the synovial membrane--correlation to some histologic findings and clinical features in rheumatoid arthritis] Friis J.
Nord Med 84:1507, 19 Nov 70 (Dan)
[Rheumatoid factor in malaria] Meuwissen JH.
Ned Tijdschr Geneeskd 114:1842-4, 31 Oct 70 (Dut)
[Aspects of serologic immunology in coal-miners] Vidal J, et al.
J Fr Med Chir Thorac 25:157-67, Feb-Mar 71 (Fre)
[Cryoglobulin and rheumatoid factor during primorecondary syphilis] Perrot H, et al.
Presse Med 7:1059-60, 8 May 71 (Fre)
[The rheumatoid fluid] Rotès Querol J, et al.
Rev Rhum Mal Osteoartic 38:117-22, Feb 71 (Fre)
[The epidemiology of seronegative rheumatoid polyarthritis] Ramneantu P, et al.
Rhumatologie 23:1-6, Jan 71 (Fre)
[Detection of the rheumatoid factor by the rheumatoid rosette technic] Serre H, et al.
Rhumatologie 23:141-9, Apr 71 (Fre)
[Result of the antistreptolysin reaction and demonstration of serum and aqueous humour rheumatoid factors in acute anterior uveitis] Schröder D, et al.
Klin Monatsbl Augenheilkd 158:795-801, Jun 71 (Ger)
[Hemagglutination drop test for the demonstration of rheumatoid factor] Mathies H, et al.
Med Klin 65:535-42, 20 Mar 70 (Ger)
[Effect of D-penicillamine on the latex fixation test, hemagglutination test and streptococci-L-agglutination in vitro] Keil K, et al.
Z Gesamte Inn Med 26:83-5, 15 Jan 71 (Ger)
[Family studies in primary chronic polyarthritis with seperate consideration of the clinical symptoms and the serological findings] Weigl E.
Z Gesamte Inn Med 25:790-5, 1 Sep 70 (Ger)
[Rheumatoid factor and liver diseases] Bach G.
Z Immunitaetsforsch Allerg Klin Immunol 139:253-64, Apr 70 (Ger)
[Proteus agglutination test: a new method for the detection of the rheumatoid factor] Otto R.
Zentralbl Bakteriol [Orig] 203:491-5, 1967 (Ger)
[Incidence of positive serological tests for rheumatoid factor in a group of miners of the Amiata (Abbadia S.S.)] Bianco G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:855-62, 1968 (Ita)
[Epidemiological studies of the incidence of the rheumatoid factor in a community of aged subjects]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Lunghetti R, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:741-52, 1968 (Ita)
[Immunocomplexes and rheumatoid synovitis: detection by mixed immunofluorescence] Bonomo L, et al. Folia Allergol (Roma) 16:380-8, Jul-Aug 69 (Ita)
[Possible variations in the genesis of the rheumatoid factor in young subjects] Daneo V, et al.
Reumatismo 21:105-9, May-Jun 69 (Ita)
[Comparison between 2 latex tests in the determination of rheumatoid factor] Einaudi G, et al.
Reumatismo 21:46-9, Jan-Feb 69 (Ita)
[Study on chronic bronchitis with special reference to rheumatoid factor. Nishimoto Y, et al.
J Jap Soc Intern Med 60:721-6, Aug 71 (Jap)
[Evaluation of serum rheumatoid reaction, especially in liver diseases--with special reference to the significance of the rheumatoid arthritis test] Yoshioka H, et al.
Jap J Clin Pathol 18:675-8, Sep 70 (Jap)
[Addison's disease complicated by subacute polyarthritis with strikingly positive Waaler-Rose reaction in the serum] Gburek Z, et al.
Reumatologia 8:251-6, 1970 (Pol)
[The synovial fluid in rheumatoid polyarthritis] Suteanu S, et al.
Med Interna (Bucur) 22:1189-200, Oct 70 (Rum)
[Value of some immunological indices in diagnosis of inflammatory rheumatism] Mihalcu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:407-13, Sep-Oct 70 (Rum)
[Rheumatoid factor and its prognostic value in viral hepatitis] Proskuriakova NB, et al.
Sov Med 33:11-4, Dec 70 (Rus)
[Sjogren's syndrome, diffuse pulmonary fibrosis and circulating intermediate complexes] Astorga G, et al.
Rev Med Chil 98:633-6, 1970 (Spa)

BIOSYNTHESIS

Experimental induction of rheumatoid factor-like substances in animal trypanosomiasis. Klein F, et al.
Clin Exp Immunol 7:851-63, Dec 70

BLOOD

Antinuclear antibodies, rheumatoid factor and C-reactive protein in serum of normal women using oral contraceptives. Kay DR, et al.
Arthritis Rheum 14:239-48, Mar-Apr 71
Waldenström's macroglobulinaemia with anti-IgG activity: a series of five cases. Bonomo L, et al.
Clin Exp Immunol 6:531-45, Apr 70
[Standardization of the latex fixation test for the demonstration of the rheumatoid factor. 3. Nature of the rheumatoid factor in normal serum, in serum of patients with rheumatoid arthritis, and in serum of the aged] Grieble H, et al.
Acta Biol Med Ger 26:185-91, 1971 (Ger)
[A new hemagglutination test for the on-slide assay of rheumatoid factor] Fröhlich E.
Wien Med Wochenschr 120:153-5, 28 Feb 70 (Ger)

DIAGNOSTIC USE

Occurrence of -globulin complexes in serum and joint fluid of rheumatoid arthritis patients: use of monoclonal rheumatoid factors as reagents for their demonstration. Winchester RJ, et al.
J Exp Med 134:Suppl:286s+, 1 Sep 71

HISTORY

[Rheumatoid factor in the 1930s and today] Waaler E.
Nord Med 83:1385-9, 29 Oct 70 (Nor)

PHARMACODYNAMICS

Neutrophil chemotixis mediated by rheumatoid factor. Borel JF, et al. Immunology 21:185-7, Jul 71

RHEUMATOID NODULE (C3)

Isolation, subcutaneous, rheumatic-like nodules. Miller EH. JAMA 215:1151-2, 15 Feb 71

BLOOD

Rheumatoid hyperviscosity syndrome. Jasin HE, et al.
Am J Med 49:484-93, Oct 70

COMPLICATIONS

Clinical pattern of rheumatoid arthritis in patients with rheumatoid nodules. Maldyk H, et al.
Pol Med J 10:24-30, 1971

DIAGNOSIS

Pseudorheumatoid nodules. Burrington JD.
JAMA 216:1038-9, 10 May 71

ETIOLOGY

[The role of "O" streptolysin and ASLO antibodies in the induction of allergic arthritis and cardiac lesions of the rheumatic type in rabbits] Elias A, et al.
Arch Roum Pathol Exp Microbiol 29:175-81, Mar-Jun 70 (Fre)

IMMUNOLOGY

Characterization of IgG complexes in eluates from rheumatoid tissue. Munthe E, et al.
Clin Exp Immunol 8:249-62, Feb 71

RADIOGRAPHY

Unusual manifestations of rheumatoid arthritis. Dalinka MK, et al. Radiology 97:393-5, Nov 70

SURGERY

Intra-articular rheumatoid nodules of the knee. Chamberlain MA.
J Bone Joint Surg [Br] 53:507-9, Aug 71

RHINENCEPHALON see under LIMBIC SYSTEM (A8)

RHINITIS (C5)

CHEMICALLY INDUCED

[Influence of oral contraceptives on the nasal mucosa] Ammar-Kohdja A.
Rev Laryngol Otol Rhinol (Bord) 92:40-2, Jan-Feb 71 (Fre)
[Clinical and cytological findings in chromium rhinopathy] Cavazzani M, et al.
Med Lav 61:168-73, Mar 70 (Ita)

CLASSIFICATION

[Description of so-called gangrenous rhinitis--trial in its taxonomic analysis and research process] Setta K.
Otolaryngology (Tokyo) 42:783-8, Oct 70 (Jap)

COMPLICATIONS

[Hyperostosis frontalis interna and chronic rhinosinusal diseases] Ammar-Khodja A.
J Fr Otorhinolaryngol 20:57-8, Jan 71 (Fre)
[A case of necrotizing hyperkeratotic cholesteatomatous rhinitis] Aulisio G, et al.
Clin Otorinolaringoiatr 21:154-65, May-Jun 69 (Ita)
[Significance of pathology of the oro- and nasopharynx in the etiology and course of chronic pneumonia in children] Al'tman EM.
Zh Ushn Nos Gorl Bolezn 30:86-9, Jul-Aug 70 (Rus)

DIAGNOSIS

Vasomotor rhinitis. Stewart J.
NZ Med J 73:171-2, Mar 71
[Simple clinical test for distinguishing allergic rhinitis (atopic nasal allergy) from non-atopic intrinsic allergy--nasal test using anti-human IgE rabbit serum] Okuda M, et al. Jap J Allergy 20:419-23, 1971 (Jap)

DRUG THERAPY

Comparison of the effectiveness of topical and oral nasal decongestants. Lewison E.
Eye Ear Nose Throat Mon 49:16-8, Jan 70
Demethylchlortetracycline used in bacterial infections of ear, nose, and throat. Morton RA.
Eye Ear Nose Throat Mon 49:378-82, Aug 70
[Clinical, rhinorheometric and sonomanometric study of the effects of F.F. 65 in rhinosinusal and tubal pathology] Riu R, et al.
Rev Corps Sante Armees 9:365-76, Jun 68 (Fre)
[A new drug used for nasal pulverizations] Cailleres.
Rev Laryngol Otol Rhinol (Bord) 90:251-3, Mar-Apr 69 (Fre)
[Use of a new peroral anticoryza drug. Experience in the industrial medical practice] Schäfer G.
Disch Med J 22:410-2, Jun 71 (Ger)
[The physiopathology of inflammatory nasal mucosa lesions. The significance of the galenic type of local therapeutic agents] Gastpar H.
Med Klin 65:342-8, 20 Feb 70 (Ger)
[Further studies in vitro of the fluidifying action of enzymes, reducing substances and their association] Tassoni G. Valsalva 46:281-5, Dec 70 (Ita)
[Therapeutic experience with pentazocine (Sosegon)--application to severe pain due to periosteal necrosis of gangrenous rhinitis] Yamaguchi N.
Otolaryngology (Tokyo) 43:331-4, Apr 71 (Jap)
[Action of 127-F in nasal sinus diseases] Albernaz PL, et al. Hospital (Rio de J) 77:1959-63, Jun 70 (Por)

ETIOLOGY

[Factors of allergic sensitization in the infections of the nasal and paranasal sinuses] Baudry M, et al.
Rev Laryngol Otol Rhinol (Bord) 90:71-7, Jan-Feb 69 (Fre)

MICROBIOLOGY

[Staphylococcal flora of the nose and sensitization of staphylococcal antigen in patients with rhinitis and sinusitis] Gorshevikova EV.
Zh Ushn Nos Gorl Bolezn 30:59-62, Jul-Aug 70 (Rus)

PATHOLOGY

[Histologic changes in the nasal mucosa in various forms of hypertrophic rhinitis] Sapelkina IM, et al.
Vestn Otorinolaringol 32:40-5, Jul-Aug 70 (Rus)

PHYSIOPATHOLOGY

[On changes of nucleic acids in some nasal sinus inflammations] Lazeanu M, et al.
Otorinolaringologie 16:55-64, Jan-Feb 71 (Rum)

PREVENTION & CONTROL

[Curative and preventive trials of IRS-19 in industrial medicine during winter 1967-68] Dissard P.
Lyon Med 222:545-6 passim, 12 Oct 69 (Fre)

SURGERY

[Technic of double-action submucous electrocoagulation of the turbinates] Ammar-Kohdja A.
Rev Laryngol Otol Rhinol (Bord) 92:38-9, Jan-Feb 71 (Fre)

THERAPY

[Respective roles of specific, general and local treatments of naso-sinus allergy] Bourdial J.
Cah Coll Med Hop Paris 10:543-57, 15 Jun 69 (Fre)

VETERINARY

Equine rhinopneumonitis virus infection in New Zealand. Pearce HG. NZ Vet J 18:174, Aug 70
The histopathology of experimental rhinitis in pigs produced by a strain of Aujeszky's disease virus. Baskerville A, et al. Res Vet Sci 12:323-6, Jul 71
Infectious bovine rhinotracheitis. (A review). Anspaugh V.
Vet Med Small Anim Clin 65:1171-6, Dec 70
[Studies on the respiratory form of rhinopneumonitis in adult horse] Zeller R, et al.
Beri Munch Tieraerztl Wochenschr 83:349-52, 15 Sep 70 (Ger)
[Occurrence of Mycoplasma species in viral rhinitis in the cat] Schneck G.
Wien Tieraerztl Monatsschr 57:105-6, 1970 (Ger)

RHINITIS, ALLERGIC see HAY FEVER (C5, C14)

RHINITIS, ATROPHIC (C5)

[Atrophic rhinitis] Buto J.
Otolaryngology (Tokyo) 42:777-81, Oct 70 (Jap)

DRUG THERAPY

Medicamentous recalibration of the nasal cavities of ozena. Mülfay V. Rom Med Rev 15:70-4, Jan-Mar 71
[Histologic study and local treatment of atrophic rhinitis and ozena] Plisnier H, et al.
Acta Otorhinolaryngol Belg 24:602-4, 1970 (Fre)
[Drug recalibration of nasal cavity in ozena] Mülfay VV. HNO 18:274-6, Sep 70 (Ger)
[On the therapy of ozena] Mesoleila V.
Arch Ital Otol 80:163-80, May-Jun 69 (Ita)

ETIOLOGY

[Rhinoplasty may be the treatment and cause of ozena] Willemot J.
Acta Otorhinolaryngol Belg 23:618-25, 1969 (Fre)

IMMUNOLOGY

[Determination diphtheria antitoxins in the serum of patients with ozena by means of the hemagglutination test] Joswiak CR, et al.
Z Gesamte Hyg 16:697-702, Sep 70 (Ger)

MICROBIOLOGY

[Studies on the occurrence and importance of Corynebacterium belfantii in ozena] Kewitsch A, et al. Z Aerztl Fortbild (Jena) 65:144-7, 1 Feb 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PATHOLOGY

Histopathological and histochemical studies on atrophic rhinitis. el-Barbary A el-S, et al. J Laryngol Otol 84:1103-12, Nov 70

Ultrastructural evaluation of bone cells in pigs with experimental turbinate osteoporosis (atrophic rhinitis). Fetter AW, et al. Lab Invest 24:392-403, May 71

[Histologic study and local treatment of atrophic rhinitis and ozena] Plisnier H, et al. Acta Otorhinolaryngol Belg 24:602-4, 1970 (Fre)

[Rhinitis with atrophy of the mucous membrane--with special reference to the relationship with mucous membrane atrophy of the bronchi, esophagus and stomach] Furuuchi I, et al. Otolaryngology (Tokyo) 43:505-13, 1971 (Jap)

PHYSIOPATHOLOGY

Conjunctival and nailbed biomicroscopy in atrophic ozenatous rhinopathy. Rosen Z, et al. Pract Otorhinolaryngol (Basel) 32:356-63, 1970

SURGERY

Closure of the nostrils (Young's operation) in atrophic rhinitis. Gadre KC, et al. J Laryngol Otol 85:711-4, Jul 71

Closure of the nostrils in atrophic rhinitis. Young A. J Laryngol Otol 85:715-8, Jul 71

[Sinusonasal transposition of Stenon's duct in internal destruction of the nose] Gosserez M, et al. Ann Chir Plast 15:333-5, 1970 (Fre)

[Surgical treatment of ozena and atrophic rhinitis] Branden J van den. Brux Med 50:1035-7, Nov 70 (Fre)

[1st experiences with fascia lata implantation in ozena patients] Mros B. Z Aerztl Fortbild (Jena) 64:290-2, 15 Mar 70 (Ger)

VETERINARY

Studies on the atrophic rhinitis of swine. Hámori D. Acta Vet Acad Sci Hung 20:263-71, 1970

Fine structure of bone cells in the nasal turbinates of pigs with naturally occurring atrophic rhinitis. Fetter AW, et al. Am J Pathol 62:265-82, Feb 71

Studies on the etiology of infectious atrophic rhinitis of swine. 3. Field survey by agglutinatin test in rlation to incidence of B. bronchiseptica ad turbinate atrophy. Kang BK, et al. Jap J Vet Sci 33:17-23, Feb 71

Studies on the etiology of infectious atrophic rhinitis of swine. II. Agglutination test on Bordetella bronchiseptica infection. Kang BK, et al. Jap J Vet Sci 32:295-306, Dec 70

[Atrophic rhinits in swine] Geisel O, et al. Berl Munch Tieraerztl Wochenschr 84:201-9, 1 Jun 71 (Ger)

[Examination of blood and bones in pigs with atrophic rhinitis] Barnikol H, et al. Dtsch Tieraerztl Wochenschr 78:398-402, 15 Jul 71 (Ger)

[Significance of pathologic-anatomical nose examinations in slaughter-pigs of a fattening farm for the diagnosis of rhinitis atrophicans in the original herd] Kayser G, et al. Dtsch Tieraerztl Wochenschr 78:494-6, 15 Sep 71 (Ger)

[Bacteriological study of nasal smear samples from healthy pigs and pigs with atrophic rhinitis] Schöss P. Dtsch Tieraerztl Wochenschr 78:371-4, 1 Jul 71 (Ger)

[Etiology and diagnosis of porcine mycoplasmosis. I. Experimental infections with Mycoplasma and Pasteurella] Dzu NM, et al. Monatsh Vet Med 26:169-81, 1 Mar 71 (Ger)

[Reply to the discussion by W. Seffner on the publication of G. Schönmuth, E. Nagel and H. Seifert "Selection against rhinitis atrophicans suum by means of roentgen diagnosis"] Schönmuth G. Monatsh Vet Med 24:419-20, 1 Jun 69 (Ger)

[Discussion on the publication "Selection against rhinitis atrophicans suum by means of roentgen diagnosis" by G. Schönmuth, E. Nagel and H. Seifert] Seffner W. Monatsh Vet Med 24:418-9, 1 Jun 69 (Ger)

[Rhinitis atrophicans of swine] Uhlemann J, et al. Monatsh Vet Med 25:775-81, 15 Oct 70 (Ger)

[Experimental studies on the etiology of atrophic rhinitis in swine] Karbe E, et al. Zentralbl Veterinaermed [B] 17:993-1002, Dec 70 (Ger)

[The effect of a virus isolated from swine ill with infectious atrophic rhinitis, on the tissues of the nasal cavity of pigiets] Volynets AK. Mikrobiol Zh 32:396-8, May-Jun 70 (Ukr)

RHINOPHYMA see under ROSACEA (C12)

RHINOPLASTY (E4)

Chondroplasty of piriform-aperture margin and correction of ala-nasi base and nostril threshold in residual deformation after unilateral cleft-lip-and-palate malformation. Kozin IA. Acta Chir Plast (Praha) 13:7-15, 1971

Experience on the use of homologous cartilage in nasal surgery. Huizing EH. Acta Otorhinolaryngol Belg 24:194-7, 1970

[My errors and failures in corrective rhinoplasty] Willemot J. Acta Otorhinolaryngol Belg 24:598-601, 1970

New approach to rhinoplasty. A five-year reappraisal. Anderson JR. Arch Otolaryngol 93:284-91, Mar 71

Psychiatric assessment for rhinoplasty. Book HE. Arch Otolaryngol 94:51-5, Jul 71

Studies on the support of the nasal tip. Janeke JB, et al. Arch Otolaryngol 93:458-64, May 71

Surgery of the crooked nose. Martin H. Arch Otolaryngol 92:583-7, Dec 70

The selection of patients for rhinoplasty. Smith TW. Arch Otolaryngol 94:56-8, Jul 71

Lateral osteotomy drainage tubes in rhinoplasty. Spooner TR, et al. Arch Otolaryngol 92:596-8, Dec 70

Stenosis of the nostril. Repair by triplanar W-plasty. Stallings JO, et al. Arch Otolaryngol 93:525-8 passim, May 71

A new method for total reconstruction of the nose: the ears as donor areas. Orticochea M. Br J Plast Surg 24:225-32, Jul 71

Nasal reconstruction by scalping flap in a case of malignant melanoma of the nasal tip. Hoehn R. Bull NY Acad Med 46:922-31, Nov 70

The crooked or twisted nose. Willemot J. Eye Ear Nose Throat Mon 49:412-3, Sep 70

Social and cultural components in the motivations of persons seeking plastic surgery of the nose. Macgregor FC. J Health Soc Behav 8:125-35, Jun 67

Total nasal columellar reconstruction. Stallings JO, et al. J Laryngol Otol 85:723-8, Jul 71

Septoplasty--a new technique. Tepan MG. J Laryngol Otol 84:1133-46, Nov 70

General anesthesia for rhinoplasty. Herceg SJ, et al. Laryngoscope 81:140-5, Jan 71

Nasal reconstruction. McGibbon B, et al. Mo Med 68:176-81, Mar 71

Surgical elongation of the traumatically foreshortened nose. The perinasal osteotomy. Converse JM. Plast Reconstr Surg 47:539-46, Jun 71

A thermoplastic splint for the nose. Freeman BS. Plast Reconstr Surg 46:513, Nov 70

Rhinoplasty in the Negro. Snyder GB. Plast Reconstr Surg 47:572-5, Jun 71

Five most important points in a reduction rhinoplasty. Tamerin JA. Plast Reconstr Surg 48:214-8, Sep 71

Autoplasty of the lacrimal sac with rhinostomy. (Late results). Oiteanu M, et al. Rom Med Rev 14:55-7, 1970

Rhinoplasty technique. Diamond HP. Surg Clin North Am 51:317-31, Apr 71

Twenty-five helpful hints in rhinoplasty. Anderson JR. Trans Pac Coast Otoophthalmol Soc 51:113-7, 1970

[Findings in follow-up of patients after nasal septum resection] Dijl H van, et al. Ned Tijdschr Geneeskd 115:414-7, 6 Mar 71 (Dut)

[Septoplasty in children] Willemot J. Acta Otorhinolaryngol Belg 23:409-15, 1969 (Fre)

[Homografts in rhinoplasty and otoplasty. Current state of the question] Willemot J. Acta Otorhinolaryngol Belg 24:182-93, 1970 (Fre)

[Rhinoplasty may be the treatment and cause of ozena] Willemot J. Acta Otorhinolaryngol Belg 23:618-25, 1969 (Fre)

[The roof peak bone graft for reconstruction of the bridge of the nose] Dufourmentel C. Ann Chir Plast 15:348-50, 1970 (Fre)

[Columella repair by a simple 1-stage procedure (apropos of a case seen more than 4 years later)] Elbaz JS. Ann Chir Plast 16:25-9, 1971 (Fre)

[Septal problem in rhinoplasty] Escoubes B. Ann Chir Plast 13:289-96, Dec 68 (Fre)

[Sinusonasal transposition of Stenon's duct in internal destruction of the nose] Gosserez M, et al. Ann Chir Plast 15:333-5, 1970 (Fre)

[Corrections of nostril deformations in sequelae of cleft lip] Morel-Fatio D, et al. Ann Chir Plast 13:252-63, Dec 68 (Fre)

[Need to maintain continuous pressure over the bones of the nose and above the nose tip during several weeks following rhinoplasty] Picaud JA. Ann Chir Plast 15:249-50, 1970 (Fre)

[Congenital short columella] Pierre M, et al. Ann Chir Plast 16:21-4, 1971 (Fre)

[The procedures for reconstruction of the tip of the nose] Février JC. Bord Med 3:2367-8 passim, Oct 70 (Fre)

[Rhino-labial plastic surgery] Diop L, et al. Bull Soc Med Afr Noire Lang Fr 15:643-51, 1970 (Fre)

[Indications of the septal approach in esthetic rhinoplasty] Willemot J. J Fr Otorhinolaryngol 19:783-7, Dec 70 (Fre)

[Surgical treatment of prognathism combined with rhinoplasty and mentoplasty] Gonzaga Pereira L. Rev Stomatol Chir Maxillofac 72:210-3, Mar 71 (Fre)

[Congenital nasal syphilis repaired by rhinoplasty] Fayala H. Tunis Med 48:335-8, Sep-Oct 70 (Fre)

[The treatment of stenosis of the nose] Masing H. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 199:173-217, 1971 (Ger)

[Rhinosurgical viewpoints in skull injuries] Hommerich KW. Hefte Unfallheilkd 99:263-6, 1969 (Ger)

[Progress in the field of surgery of the external and inner nose in the last 10 years] Masing H. HNO 18:329-36, Nov 70 (39 ref.) (Ger)

[Problems of the shortening of the nose] Schmalix J. HNO 18:188-9, Jun 70 (Ger)

[Aspects of primary care in facial injuries] Langnickel R, et al. Munch Med Wochenschr 113:891-2, 4 Jun 71 (Ger)

[Experiments with Traumanase in postoperative hematomas] Baumgartner P. Praxis 59:217-9, 10 Feb 70 (Ger)

[Tolerance of preserved homoplastic cartilage implantations in the nose] Heilmich S. Z Laryngol Rhinol Otol 49:742-9, Nov 70 (Ger)

[Septal rhinoplasty and functional patency of the nose] Di Giunta E, et al. Clin Otorinolaringoiatr 20:575-95, Nov-Dec 68 (Ita)

[Olecranal bone graft in the treatment of deformities of the nasal pyramid] Morelli E, et al. Minerva Chir 25:1198-204, 15 Sep 70 (Ita)

[Cartilage grafts in correction of some deformities of the nasal pyramid] Furlan S, et al. Minerva Otorinolaringol 19:40-5, Jan-Feb 69 (Ita)

[Total plastic surgery of the external nose by the tubed pedicle flap technic: L-shaped transfer of the tubed flap (Takahashi's method)] Iida O. Jap J Plast Reconstr Surg 13:486-92, Nov 70 (Jap)

[A new method of elongation of the columella nasi for bilateral cleft lip] Onizuka T. Jap J Plast Reconstr Surg 13:529-33, Nov 70 (Jap)

[Operation for membranous closure of the anterior nostril, especially of the inner nostril] Okuda M, et al. Otolaryngology (Tokyo) 43:533-6, 1971 (Jap)

[Selection of transverse incision of the nasal septum skin in plastic operations] Kotoński J, et al. Otolaryngol Pol 25:223-5, 1971 (Pol)

[Esthetic rhinoplasties] Serson Neto D. Rev Assoc Med Bras 17:27-30, Jan 71 (Por)

[Treatment of nasal deformities associated with the underdevelopment of the anterior maxilla: surgical-prosthesis treatment] Reginato LE, et al. Rev Paul Med 76:17-22, Mar 70 (Por)

[Partial rhinoplasty] Oprisiu C. Stomatologia (Bucur) 18:149-52, Mar-Apr 71 (Rum)

[The plastic correction of nasal defects] Oprisiu C, et al. Stomatologia (Bucur) 18:263-7, May-Jun 71 (Rum)

[Reconstructive surgery of the external part of the nose] Giliarovskaia GB. Vestn Otorinolaringol 32:46-51, Sep 70 (Rus)

[Personal experiences with plastic surgery of the nose] Balenović D. Med Pregl 24:115-8, 1971 (Ser)

[Introduction to the round table discussion on homografts in ORL] Schepens Y. Acta Otorhinolaryngol Belg 24:7-23, 1970 (Mul)

[Transposition of the nasal pyramid] Cvejić D. Med Glas 24:198-201, Apr-May 70 (Cro)

ADVERSE EFFECTS

An aid to the treatment of supratip swelling after rhinoplasty. Rees TD. Laryngoscope 81:308-11, Feb 71

Secondary rhinoplasty. Rees TD, et al. Plast Reconstr Surg 46:332-40, Oct 70

[Sinusal reaction after nasal surgery] Giguère P, et al. Union Med Can 100:1569-71, Aug 71 (Fre)

[Rhinoscopic findings after dacryocystorhinostomy] Schwarz K, et al. Klin Monatsbl Augenheilkd 157:393-5, Sep 70 (Ger)

HISTORY

The classic reprint: Nasal reductions. Joseph J. Plast Reconstr Surg 47:79-83, Jan 71

Reconstruction of saddlenose by cartilage overlay. Dr. von Mangoldt, Dresden, Germany. (Deutsche Gesell. f. chir., 29: 460, 1900). (Mangoldt F von), McDowell F. Plast Reconstr Surg 46:498-501, Nov 70

Mr. Lucas and the B. L. letter (Colley Lyon Lucas). (Lucas CL), Patterson TJ. Plast Reconstr Surg 48:68-71, Jul 71

"Mr. Lucas" and the "B.L." letter. (Lucas CL), Patterson TJ. Plast Reconstr Surg 48:68-71, Jul 71

Joseph's rhinoplasty with some modifications. (Joseph J), Aufricht G. Surg Clin North Am 51:299-316, Apr 71

INSTRUMENTATION

A fiber optic nasal retractor, and a lighted suction tip for use in rhinoplasty. Devine JW Jr, et al. Plast Reconstr Surg 47:90, Jan 71

RHINOSCLEROMA (C1, C5, C12)

[Rhinoscleroma. A case] Labayle J, et al. Ann Otolaryngol Chir Cervicofac 88:191-3, Mar 71 (Fre)

[Scleroma. Clinical picture and new ways of therapy] Draf W, et al. Int Z Vitaminforsch 40:794-9, 1970 (Ger)

[Scleroma. Clinical picture and new ways of therapy] Draf W, et al. Z Laryngol Rhinol Otol 49:794-9, Dec 70 (Ger)

[Clinical and microbiological examinations of patients affected with rhinoscleroma from endemic foci in the Lublin District] Semczuk B, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ann Univ Mariae Curie Sklodowska [Med] 24:383-94, 1969 (Pol)

COMPLICATIONS

[Causes of death in scleroma] Iampol'skaia SA. Arkh Patol 32:43-8, 1970 (Rus)

DIAGNOSIS

Localized forms of rhinoscleroma. Yassin A, et al. J Laryngol Otol 85:269-74, Mar 71
[Microbiological diagnosis of scleroma (based on data from expedition)] Muzyka MM, et al. Zh Ushn Nos Gorl Bolezn 30:73-9, Jul-Aug 70 (Rus)

DRUG THERAPY

[Thiophenicol in treatment of rhinoscleroma (2 cases)] Diop L, et al. Bull Soc Med Afr Noire Lang Fr 15:595-6, 1970 (Fre)
[Corticosteroid infiltration at the ventricular band level in a case of laryngeal stenosis caused by scleroma] Berrocal J, et al. Rev Laryngol Otol Rhinol (Bord) 90:341-3, May-Jun 69 (Fre)
[Relationship between pharmacological effect and chemical structure in a series of bis-quaternary compounds of ethylene and hexamethylene diamine derivatives] Pis'ko GT. Farmakol Toksikol 33:551-7, Sep-Oct 70 (Rus)
[Use of pyrogenal in the complex therapy of scleroma (preliminary communication)] Toger NV. Zh Ushn Nos Gorl Bolezn 29:75-7, Jul-Aug 69 (Rus)

FAMILIAL & GENETIC

[Familial scleroma (according to data from Transcarpathia)] Chekotilo AM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:120-3, Feb 70 (Rus)

HISTORY

[The study of scleroma in the last 100 years] Bariliak RA. Zh Ushn Nos Gorl Bolezn 30:38-43, May-Jun 70 (Rus)

IMMUNOLOGY

[Various serological findings in patients with rhinoscleroma] Rojas O, et al. Rev Lat Am Microbiol 13:59-60, Jan-Mar 71 (Spa)

METABOLISM

[Vitamin C supply in scleroma patients] Derepa KP. Zh Ushn Nos Gorl Bolezn 30:47-52, May-Jun 70 (Rus)

MICROBIOLOGY

In-vivo and in-vitro studies of rhinoscleroma. Lum GS. J Laryngol Otol 85:69-80, Jan 71
[Microbiological diagnosis of scleroma (based on data from expedition)] Muzyka MM, et al. Zh Ushn Nos Gorl Bolezn 30:73-9, Jul-Aug 70 (Rus)

OCCURRENCE

Two cases of scleroma in Iran. Alavi K, et al. J Clin Pathol 24:360-2, May 71
[Scleroma in Poland] Klionovskiĭ S, et al. Zh Mikrobiol Epidemiol Immunobiol 47:110-2, Sep 70 (Rus)

PATHOLOGY

[Case of scleroma] Chüden H, et al. HNO 18:276-8, Sep 70 (Ger)
[Analysis of the pathohistologic diagnosis of scleroma] Iampol'skaia SA. Zh Ushn Nos Gorl Bolezn 30:43-6, May-Jun 70 (Rus)

SURGERY

[Case report on rhinoscleroma] Jarzębski J. Pol Tyg Lek 26:147-8, 25 Jan 71 (Pol)

RHINOSPORIDIOSIS (C1)

Rhinosporidiosis. Rastogi PC. Eye Ear Nose Throat Mon 49:325-7, Jul 70

DIAGNOSIS

Bizarre presentation in rhinosporidiosis. Kameswaran S, et al. J Laryngol Otol 84:1083-92, Oct 70

OCCURRENCE

Rhinosporidiosis in Raipur Madhya Pradesh, India. Gupta RL, et al. Eye Ear Nose Throat Mon 50:59-61, Feb 71
Rhinosporidiosis in Iran (Persia)--a study of seventy-four cases. Firouz-Abadi A, et al. Mycopathol Mycol Appl 44:249-60, 28 May 71

RHINOVIRUS (B4)

Nervous disturbances in horses in relation to infection with equine rhinopneumonitis virus. Bitsch V, et al. Acta Vet Scand 12:134-6, 1971
Rhinovirus strain as a possible cause of equine respiratory infection. Flammini CF, et al. Arch Vet Ital 21:309-16, 31 Oct 70
The rhinoviruses of man. Fiala M, et al. Calif Med 112:1-6, May 70
Molecular weight of rhinovirus ribonucleic acid. Brown F, et al. J Gen Virol 8:145-8, Aug 70
Internal components released from rhinovirus and poliovirus by heat. McGregor S, et al. J Gen Virol 10:203-7, Feb 71
Common cold and the possibility of its immunoprophylaxis. Sarkar JK. J Indian Med Assoc 55:355-6, 16 Nov 70
[Rhinovirus infections] Kawana R. J Jap Assoc Infect Dis 44:425-30, Nov 70 (41 ref.) (Jap)
[CCausative factor of coryza--with special reference to rhinovirus and coronaviruses] Ishii K. Jap J Clin Med 29:1194-200, 1971 (36 ref.) (Jap)
[Clinical virology of rhinovirus] Kawana R, et al. Naika 26:430-4, Sep 70 (Jap)

ANALYSIS

Structural polypeptides of three rhinoviruses. Korant BD, et al. Biochem Biophys Res Commun 41:477-81, 23 Oct 70
Biophysical and biochemical studies on rhinovirus and poliovirus. II. Chemical and hydrodynamic analysis of the rhinovirion. McGregor S, et al. J Virol 7:41-6, Jan 71
On the structure of rhinovirus 1A. Medappa KC, et al. Virology 44:259-70, May 71

CLASSIFICATION

A collaborative report: rhinoviruses--extension of the numbering system. Virology 43:524-6, Feb 71

DRUG EFFECTS

Inactivation of influenza and other viruses by a mixture of virucidal compounds. Oxford JS, et al. Appl Microbiol 21:606-10, Apr 71

IMMUNOLOGY

Demonstration and characterization of antibody in tears following intranasal vaccination with inactivated type 13 rhinovirus: a preliminary report. Knopf HL, et al. Invest Ophthalmol 9:727-34, Oct 70
Serologic surveillance for adeno-associated satellite virus antibody in military recruits. Rosenbaum MJ, et al. J Immunol 106:711-20, Mar 71
Passive haemagglutination test for anti-rhinovirus antibodies. Faulk WP, et al. Nature [New Biol] 231:101-4, 26 May 71
[Occurrence of neutralizing antibodies against equine rhinovirus (strain NM 11) in horse stocks in Berlin] Teufel P, et al. Berl Munch Tieraerztl Wochenschr 83:466-7, 1 Dec 70 (Ger)

ISOLATION & PURIFICATION

Epidemiology of the common cold in military recruits with emphasis on infections by rhinovirus types 1A, 2, and two unclassified rhinoviruses. Rosenbaum MJ, et al. Am J Epidemiol 93:183-93, Mar 71
Rhinoviruses: isolation from cattle with acute respiratory disease. Rosenquist BD. Am J Vet Res 32:685-8, May 71
Viral aggregation resulting in the failure to correctly identify an unknown rhinovirus. Gwaltney JM Jr, et al. Appl Microbiol 20:390-2, Sep 70
Rhinoviraemia. Urquhart GE, et al. Br Med J 4:28-30, 3 Oct 70
Studies on a rhinovirus (EC11) derived from a calf. II. Disease in calves. Betts AO, et al. J Comp Pathol 81:41-8, Jan 71
Studies on a rhinovirus (EC11) derived from a calf. I. Isolation in calf tracheal organ cultures and characterization of the virus. Reed SE, et al. J Comp Pathol 81:33-40, Jan 71
Clinical and virological investigations of acute respiratory disease in children outside hospital. Blair W, et al. J R Coll Gen Pract 20:27-31, Jul 70

METABOLISM

Effect of Mycoplasma pneumoniae on rhinovirus ribonucleic acid synthesis in KB cells. Milligan WH 3d, et al. Antimicrob Agents Chemother 9:196-9, 1969
Contributing factor to Mycoplasma pneumoniae produced stimulation of rhinovirus-RNA synthesis. Fletcher RD, et al. Folia Microbiol (Praha) 15:325-9, 1970

PATHOGENICITY

[Virus etiology of the common cold] Tjotta E. Tidsskr Nor Laegeforen 91:115-9, 20 Jan 71 (Nor)

RHIZOBIUM (B3)

Genetic mapping of rhizobiophage 16-3. Orosz L, et al. Acta Microbiol Acad Sci Hung 17:185-94, 1970
Genetic analysis by transduction of Rhizobium meliloti mutants with changed symbiotic activity. Kowalski M. Acta Microbiol Pol [A] 2:115-22, 1970
Another approach on the artificial inoculation of legumes. Gupta KG, et al. Ann Inst Pasteur (Paris) 120:665-70, May 71
On the effects of some pesticides on Rhizobium and isolation of pesticide-resistant mutants. Gilliberg BO. Arch Mikrobiol 75:203-8, 1971
The biogenesis of leghemoglobin. The determinant in the Rhizobium-legume symbiosis for leghemoglobin specificity. Cutting JA, et al. Biochim Biophys Acta 229:58-62, 19 Jan 71
Mechanism of inhibition of spinach beta-cystathionase by rhizobitoxine. Giovanelli J, et al. Biochim Biophys Acta 227:671-84, 10 Mar 71
Further studies on genetic transformation in Rhizobium. Raina JL, et al. J Gen Microbiol 65:161-5, Feb 71
Effect of pelleting pea seeds (Pisum sativum) with phosphorus compounds on the yield of the crop. Iswaran V, et al. Zentralbl Bakteriol [Naturwiss] 126:43-4, 1971
Pelleting of soybean (Glycine max) seeds with activated charcoal and humus. Iswaran V, et al. Zentralbl Bakteriol [Naturwiss] 126:45-7, 1971
[Use of spontaneous mutants resistant to antibiotics for the ecological study of Rhizobium] Obaton MM. C R Acad Sci [D] (Paris) 272:2630-3, 17 May 71 (Fre)
[Experimental production of Rhizobium meliloti mutants with elevated activity] Imshenetskiĭ AA, et al. Mikrobiologiia 39:343-7, Mar-Apr 70 (Rus)
[Defective lysogeny among various cultures of lucerne rhizobia (Rhizobium meliloti)] Rautenshteĭn IaI, et al. Mikrobiologiia 39:507-11, May-Jun 70 (Rus)

ANALYSIS

Purification and some properties of a non-haem iron protein from the bacteroids of soya-bean (Glycine max Merr) nodules. Koch B, et al. Biochem J 118:773-81, Aug 70
The phospholipid composition of Rhizobium japonicum. Bunn CR, et al. Can J Microbiol 17:291-5, Feb 71
[Cytochromes of efficient and inefficient strains of Rhizobium] Romanov VI, et al. Dokl Akad Nauk SSSR 193:1189-91, 1970 (Rus)

CLASSIFICATION

Typing of Rhizobium by phages. Staniewski R. Can J Microbiol 16:1003-9, Oct 70
Taxonomically significant group antigens in Rhizobium. Vincent JM, et al. J Gen Microbiol 63:379-82, Nov 70

CYTOLOGY

Lateral fusion of membranes in bacteroid-containing cells of leguminous root nodules. Gunning BE. J Cell Sci 7:307-17, Jul 70

DRUG EFFECTS

Transducing phages of Rhizobium meliloti. Kowalski M. Acta Microbiol Pol [A] 2:109-13, 1970
Infectiveness of the histidine dependent mutant of Rhizobium trifolii. Lorkiewicz Z, et al. Acta Microbiol Pol [A] 2:75-7, 1970
Effect of indoleacetic acid on the growth of Rhizobium in culture. Dullaart J, et al. Antonie van Leeuwenhoek 37:219-24, 1971
In vitro effect of antibiotics and fungicides on Rhizobium species from guar. Chakravarti BP, et al. Hindustan Antibiot Bull 13:14-5, Aug-Nov 70
[The transformability of Rhizobium trifolii] Birnbaum D. Zentralbl Bakteriol [Naturwiss] 122:561-72, 1968 (Ger)

ENZYMOLOGY

Purification of aspartate aminotransferases from soya-bean root nodules and Rhizobium japonicum. Ryan E, et al. Biochem J 119:7P, Sep 70
Gel filtration of nitrogenase from soybean root-nodule bacteroids. Bergersen FJ, et al. Biochim Biophys Acta 214:28-36, 27 Jul 70
Determination of multiple forms of esterases in rhizobium by paper electrophoresis. Murphy PM, et al. J Gen Microbiol 61:121-9, Apr 70
[Purification of catalase extracts of Rhizobium] Rigaud J. C R Acad Sci [D] (Paris) 271:764-6, 31 Aug 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

GROWTH & DEVELOPMENT

Root exudates and growth of Rhizobium. Egeraat AW van. Antonie van Leeuwenhoek 37:260-1, 1971
Improved synthetic medium for the growth of Rhizobium. Sherwood MT.
J Appl Bacteriol 33:708-13, Dec 70
Correlation analysis of criteria of symbiotic nitrogen. Fixation by soybeans (Glycine max Merr.). Martinez CJ, et al.
Zentralbl Bakteriol [Naturwiss] 124:212-6, 1970
[Correlation between higher plants and bacteria in synthetic rhizosphere. 3. The development of rhizobia in N-free nutrient media in mixed culture with non-specific host plants] Apel P, et al.
Zentralbl Bakteriol [Naturwiss] 122:580-5, 1968 (Ger)
[Mutual effect of some parasitic fungi, Rhizobium, and other microorganisms of lens (Lens esculenta Moench) and the biological possibilities of protection] Ujević I, et al.
Zentralbl Bakteriol [Naturwiss] 125:394-408, 1970 (Ger)

IMMUNOLOGY

Composition of somatic antigens of Rhizobium trifolii and Rhizobium leguminosarum. Drożańska D.
Acta Microbiol Pol [A] 2:185-9, 1970
Antigenic analysis of Rhizobium japonicum by immunodiffusion. Dudman WF.
Appl Microbiol 21:975-85, Jun 71
Lysogenic conversion of Rhizobium trifolii. Barnet YM, et al. J Gen Microbiol 61:319-25, Jun 70
Taxonomically significant group antigens in Rhizobium. Vincent JM, et al.
J Gen Microbiol 63:379-82, Nov 70

ISOLATION & PURIFICATION

Isolation of effective strains of Rhizobium phaseoli. Mahmoud SA, et al.
Zentralbl Bakteriol [Naturwiss] 126:33-42, 1971
[Rhizobium and other bacteria in the root nodules of leguminous plants. I. Sterilization of the surface of root nodules of Soja max] Manninger E, et al.
Zentralbl Bakteriol [Naturwiss] 124:684-7, 1970 (Ger)

METABOLISM

Cell wall phospholipid and viomycin resistance in Rhizobium meliloti. MacKenzie CR, et al.
Biochem Biophys Res Commun 40:1008-12, 10 Sep 70
Kinetics of acetylene and CN- reduction by the N2-fixing system of Rhizobium lupini. Kennedy IR.
Biochim Biophys Acta 222:135-44, 27 Oct 70
The biosynthesis of aspartic acid, glutamic acid, and alanine in Rhizobium japonicum. Lilich TT, et al.
Can J Microbiol 17:683-8, May 71
Metabolism of parathion by two species of Rhizobium. Mick DL, et al. J Econ Entomol 63:1155-9, Aug 70
Studies on the dehydrogenase capacity, glucose consumption, and phosphorous utilization by strains of Rhizobia. Gupta KB, et al.
Zentralbl Bakteriol [Naturwiss] 125:670-4, 1970
Relation between the efficiency of Rhizobia strains and the amino acid content in nodules and roots of some leguminous plants. Mahmoud SA, et al.
Zentralbl Bakteriol [Naturwiss] 126:18-32, 1971
[Indole-3-lactic acid and its metabolism by Rhizobium] Rigaud J. Arch Mikrobiol 72:297-307, 1970 (Fre)
[Rhizobium lupini dehydrogenases, amino- and ketoacid activity] Kretovich VL, et al.
Dokl Akad Nauk SSSR 187:456-8, 11 Jul 69 (Rus)
[Nucleic acid content in the cells of Rhizobium leguminosarum strains with high and low activity] Evdokimova GA, et al.
Mikrobiologiia 40:227-9, Mar-Apr 71 (Rus)
[Lipids of the nodule bacteria Rhizobium leguminosarum] Faizova GK, et al.
Mikrobiologiia 40:471-4, May-Jun 71 (Rus)
[Possibility of selecting active strains of Rhizobium from the riboflavin and cobalamin content in pure cultures] Shemakhanova NM, et al.
Mikrobiologiia 39:1026-9, Nov-Dec 70 (Rus)

PATHOGENICITY

Formation of tumor-like structures on legume roots by Rhizobium. MacGregor AN, et al.
J Bacteriol 105:728-32, Mar 71
Transformation of infectivity in Rhizobium japonicum. Marečková H.
Zentralbl Bakteriol [Naturwiss] 125:594-6, 1970

RHIZOPUS (B5)

[Use of scanning electron microscope for morphological study of fungi] Thibaut M, et al.
Ann Parasitol Hum Comp 46:103-7, Jan-Feb 71 (Fre)
[Phycomycosis in Latin America] Baker RD.
Rev Lat Am Patol 9:129-41, Jun 70 (Spa)

ANALYSIS

Acidic polysaccharides from the cell wall of Absidia cylindrospora, Mucor mucedo, and Rhizopus nigricans. Miyazaki T, et al.
Chem Pharm Bull (Tokyo) 18:1930-1, Sep 70
Lipids of Rhizopus arrhizus Fischer. Weete JD, et al.
J Bacteriol 103:536-40, Sep 70

ENZYMOLOGY

Multiple forms of Rhizopus oligosporus protease. Wang HL, et al. Arch Biochem Biophys 140:459-63, Oct 70
Purification and characterization of two extracellular ribonucleases from Rhizopus oligosporus. Woodroof EA, et al. Biochemistry 10:1532-40, 27 Apr 71
The exocellular lipase from Rhizopus arrhizus. Noma A, et al. Scand J Gastroenterol 6:217-23, 1971
[Cytochemical localization of peroxisomes in fungal cells] Reiss J. Protoplasma 72:43-8, 1971 (Ger)

GROWTH & DEVELOPMENT

[Studies on steroid transformation activity of Rhizopus sp. cultures] Eysymontt I, et al.
Acta Pol Pharm 28:123-8, 1971 (Pol)
[Some morphological and physiological properties of Rhizopus delemar] Panov VP, et al.
Mikrobiologiia 39:869-71, Sep-Oct 70 (Rus)
[Growth of several Mucorales and Moniliales fungi on solid paraffin at high temperatures] Koval' EZ, et al.
Mikrobiol Zh 32:290-3, May-Jun 70 (Ukr)

ISOLATION & PURIFICATION

[Isolation of fungi from lubricants and soils impregnated with petroleum products] Makhort AM, et al. Mikrobiol Zh 32:48-50, Jan-Feb 70 (Ukr)

METABOLISM

Aflatoxin G1 metabolism by Rhizopus species. Cole RJ, et al. J Agric Food Chem 19:222-3, Mar-Apr 71
Studies on the nutritional value of tempeh. IV. Biosynthesis of folate compounds with Rhizopus oligosporus. Sanke Y, et al.
J Vitaminol (Kyoto) 17:96-100, 10 Jun 70

PATHOGENICITY

[Rhizopus nigricans Ehrenberg. First results of the physico-chemical and biological study of a culture filtrate] Reveillere HP, et al.
Ann Pharm Fr 28:615-22, Nov 70 (Fre)

RHODANINE see under THIAZOLES (D2)

RHODIUM (D1)

STANDARDS

MPC values for 102 Rh, 102m Rh and 107 Pd. Soldat JK.
Health Phys 19:60-3, Jul 70

RHODOPSEUDOMONAS (B3)

Early reactions in photosynthetic energy conservation: the photooxidation at liquid nitrogen temperatures of two cytochromes in chromatophores of Rhodopseudomonas gelatinosa. Dutton PL, et al.
Arch Biochem Biophys 139:236-40, Jul 70
Characterization of two circular satellite species of deoxyribonucleic acid in Rhodopseudomonas spheroides. Gibson KD, et al.
Arch Biochem Biophys 141:694-704, Dec 70
The cytochrome system of heterotrophically-grown Rhodopseudomonas spheroides. Whale FR, et al.
Biochim Biophys Acta 223:146-57, 3 Nov 70
The absolute yield of bacteriochlorophyll fluorescence in vivo. Wang RT, et al.
Photochem Photobiol 13:215-24, Mar 71
[Morphology and some physiological properties of purple bacteria isolated from oil-bearing strata] Rozanova EP.
Mikrobiologiia 40:152-7, Jan-Feb 71 (Rus)

ANALYSIS

The subcellular localization of the pteridines in strain R-26 of Rhodopseudomonas spheroides. Reed DW, et al. Biochim Biophys Acta 226:477-80, 2 Mar 71
A study of the atypical ribosomal RNA components of Rhodopseudomonas spheroides. Robinson A, et al.
Biochim Biophys Acta 238:99-115, 29 Apr 71
Deficiencies of chromatophore proteins in some mutants of Rhodopseudomonas spheroides with altered carotenoids. Segen BJ, et al.
J Bacteriol 105:701-9, Mar 71

CLASSIFICATION

Base composition of deoxyribonucleic acid isolated from Athiorhodaceae. Silver M, et al.
J Bacteriol 107:368-70, Jul 71

CYTOLOGY

Some structural and photochemical properties of Rhodopseudomonas species NHTC 133 subchromatophore particles obtained by treatment with Triton X-100. Garcia A, et al.
Biochemistry 7:326-32, Jan 68
Some structural and photochemical properties of Rhodopseudomonas palustris subchromatophore particles obtained by treatment with Triton X-100. Garcia A, et al. Biochemistry 7:319-25, Jan 68
[The flagellar apparatus of Rhodopseudomonas palustris. IV. Isolation of the flagellum and its parts] Tauschel HD. Arch Mikrobiol 74:193-206, 1970 (Ger)

ENZYMOLOGY

Involvement of sulfhydryl groups in light-dependent transhydrogenase of Rhodopseudomonas spheroides. Orlando JA. Arch Biochem Biophys 141:111-20, Nov 70
Guanosine-5'-triphosphate as the allosteric effector of fructose 1,6- diphosphatase in Rhodopseudomonas palustris. Stachow CS, et al.
Biochem Biophys Res Commun 39:637-42, 22 May 70
Ferrochelatase of Rhodopseudomonas spheroides. Jones MS, et al. Biochem J 119:453-62, Sep 70
Coproporphyrinogenase activities in extracts of Rhodopseudomonas spheroides. Tait GH.
Biochem J 118:28P-29P, Jun 70
Glycine decarboxylase in Rhodopseudomonas spheroides and in rat liver mitochondria. Tait GH.
Biochem J 118:819-30, Aug 70
[Pathways of carbon utilization in photosynthesis of Rhodopseudomona palustris] Cherniad'ev II, et al.
Biokhimiia 35:968-72, Sep-Oct 70 (Rus)

GROWTH & DEVELOPMENT

Mutant of rhodopseudomonas spheroides unable to grow aerobically. Wittenberg T, et al.
J Bacteriol 106:732-8, Jun 71

METABOLISM

Generation of reducing power in bacterial photosynthesis. Rhodopseudomonas palustris. Knobloch K, et al.
Biochem Biophys Res Commun 43:834-9, 21 May 71
Energy charge regulation in photosynthetic bacteria. Zilinsky JW, et al.
Biochem Biophys Res Commun 42:955-61, 5 Mar 71
Photooxidation of cytochromes in reaction center preparations from Chromatium and Rhodopseudomonas viridis. Case GD, et al.
Biochim Biophys Acta 223:122-8, 3 Nov 70
Adenine nucleotide levels and photopigment synthesis in a growing photosynthetic bacterium. Fanica-Gaignier M, et al.
Biochim Biophys Acta 226:135-43, 12 Jan 71
Mutant strains of Rhodopseudomonas spheroides which form photosynthetic pigments aerobically in the dark. Growth characteristics and enzymic activities. Lascelles J, et al.
Biochim Biophys Acta 226:328-40, 2 Mar 71
Some effects of iron deficiency on Rhodopseudomonas spheroides strain Y. Reiss-Husson F, et al.
Biochim Biophys Acta 234:73-82, 6 Apr 71
Biosynthesis of isoleucine and valine in Rhodopseudomonas spheroides: regulation of threonine deaminase activity. Barrit GJ.
J Bacteriol 105:718-21, Mar 71
[The influence of oxygen pressure and light intensity on the ATP level of Athiorhodaceae] Schön G, et al.
Arch Mikrobiol 73:34-46, 1970 (Ger)
[Chromatophores of photosynthetic bacteria] Ishimoto M, et al.
Protein Nucleic Acid Enzyme (Tokyo) 16:822-30, Aug 71 (90 ref.) (Jap)
[Use of formate in photosynthesis by Rhodopseudomonas palustris] Cherniad'ev II, et al.
Izv Akad Nauk SSSR [Biol] 6:895-8, Nov-Dec 70 (Rus)
[Rate of carbon assimilation by Rhodopseudomonas palustris] Cherniad'ev II, et al.
Mikrobiologiia 40:381-5, May-Jun 71 (Rus)

RADIATION EFFECTS

An optical absorption change that could be due to reduction of the primary photochemical electron acceptor in photosynthetic reaction centers. Clayton RK, et al.
Biochem Biophys Res Commun 39:1114-9, 1970
The kinetics of light induced carotenoid changes in Rhodopseudomonas spheroides and their relation to electrical field generation across the chromatophore membrane. Jackson JB, et al.
Eur J Biochem 18:120-30, 1 Jan 71

RHODOPSIN see under RETINAL PIGMENTS (D10)

RHODOSPIRILLUM (B3)

Quantitative dissolution of the membrane and preparation of photoreceptor subunits from

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rhodospirillum rubrum. Loach PA, et al.
Biochemistry 9:3127-35, 4 Aug 70
The absolute yield of bacteriochlorophyll fluorescence in vivo. Wang RT, et al.
Photochem Photobiol 13:215-24, Mar 71
[Kinetics of photoinduced EPR signal of photosynthesizing bacteria Rhodospirillum rubrum] Timofeev KN, et al.
Biofizika 16:348-50, Mar-Apr 71 (Rus)
[Morphology and some physiological properties of purple bacteria isolated from oil-bearing strata] Rozanova EP.
Mikrobiologiia 40:152-7, Jan-Feb 71 (Rus)

ANALYSIS

Redox components associated with chromatophores from Rhodospirillum rubrum. Kakuno T, et al.
J Biochem (Tokyo) 70:79-94, Jul 71
Preparation and properties of Rhodospirillum rubrum cytochromes c 2, cc', and b 557.5, and flavin mononucleotide protein. Bartsch RG, et al.
J Biol Chem 246:4489-96, 25 Jul 71
[Substrates of thylakoids from Rhodospirillum rubrum following treatment with the detergent Triton X-100] Biedermann M.
Hoppe Seylers Z Physiol Chem 352:567-74, Apr 71 (Ger)

CLASSIFICATION

Base composition of deoxyribonucleic acid isolated from Athiorhodaceae. Silver M, et al.
J Bacteriol 107:368-70, Jul 71

DRUG EFFECTS

Structure and function of electron transport systems. Effects of diethylether and urea on the system from Rhodospirillum rubrum. Boll M.
Arch Mikrobiol 76:174-82, 1971
Effect of drugs that alter excitable membranes on the motility of Rhodospirillum rubrum and Thiospirillum jenense. Faust MA, et al.
Can J Microbiol 17:191-6, Feb 71
[The effect of some detergents on thylakoids of Rhodospirillum rubrum] Biedermann M.
Arch Mikrobiol 75:171-8, 1971 (Ger)

ENZYMOLOGY

The distribution of NADH oxidase in the membrane system of Rhodospirillum rubrum. Throm E, et al.
Arch Mikrobiol 72:361-70, 1970
Homoserine dehydrogenase of Rhodospirillum rubrum. Conformational changes in the presence of substrates and modifiers. Datta P.
Biochemistry 10:402-8, 2 Feb 71
L-threonine deaminase of Rhodospirillum rubrum. Purification and characterization. Feldberg RS, et al.
Eur J Biochem 21:438-46, 16 Aug 71
Cold inactivation of L-threonine deaminase from Rhodospirillum rubrum. Involvement of hydrophobic interactions. Feldberg RS, et al.
Eur J Biochem 21:447-54, 16 Aug 71
Action of sodium dodecyl sulfate on electron transport enzymes of Rhodospirillum rubrum. Boll M.
Experientia 26:956-7, 26 Sep 70
Homoserine dehydrogenase of Rhodospirillum rubrum. II. Purification and characterization of the enzyme. Datta P. J Biol Chem 245:5779-87, 10 Nov 70
Resolution of enzymes catalyzing energy-linked transhydrogenation. 3. Preparation and properties of Rhodospirillum rubrum transhydrogenase factor. Fisher RR, et al. J Biol Chem 246:4687-93, 10 Aug 71
Resolution of enzymes catalyzing energy-linked transhydrogenation. II. Interaction of transhydrogenase factor with Rhodospirillum rubrum chromatophore membrane. Fisher RR, et al.
J Biol Chem 246:4679-86, 10 Aug 71
Regulatory properties of an inorganic pyrophosphatase from the photosynthic bacterium Rhodospirillum rubrum. Klemme JH, et al.
Proc Natl Acad Sci USA 68:721-5, Apr 71

GROWTH & DEVELOPMENT

Variations of NADH oxidase activity and bacteriochlorophyll contents during membrane differentiation in Rhodospirillum rubrum. Oelze J, et al. Biochim Biophys Acta 219:131-40, 1970
[Action of synthetic cytokinins on growth and pigment formation of Rhodospirillum rubrum] Romanow I, et al. Ann Inst Pasteur (Paris) 117:243-9, Aug 69 (Fre)

METABOLISM

Regulation of photoreduction in Rhodospirillum rubrum by ammonia. Schick HJ.
Arch Mikrobiol 75:110-20, 1971
Substrate and light dependent fixation of molecular nitrogen in Rhodospirillum rubrum. Schick HJ.
Arch Mikrobiol 75:89-101, 1971
Interrelationship of nitrogen fixation, hydrogen evolution and photoreduction in Rhodospirillum rubrum. Schick HJ. Arch Mikrobiol 75:102-9, 1971
ATP synthesis driven by inorganic pyrophosphate in Rhodospirillum rubrum chromatophores. Keister DL, et al. Biochem Biophys Res Commun 42:932-9, 5 Mar 71
Light-induced reduction of pyridine nucleotide and its relation to light-induced electron transport in whole cells of Rhodospirillum rubrum. Govindjee R, et al.
Biochim Biophys Acta 223:251-60, 8 Dec 70
Differences in sensitivity to valinomycin and nonactin of various photophosphorylating and photoreducing systems of Rhodospirillum rubrum chromatpohores. Gromet-Elhanan Z.
Biochim Biophys Acta 223:174-82, 3 Nov 70
Conversion of biomembrane-produced energy into electric form. 3. Chromatophores of Rhodospirillum rubrum. Isaev PI, et al.
Biochim Biophys Acta 216:22-9, 4 Aug 70
Adenosine triphosphate cellular levels in Rhodosopirillum rubrum during transition from aerobic to anaerobic metabolism. Oelze J, et al.
Biochim Biophys Acta 234:137-43, 6 Apr 71
On the relationship of the energy-linked transhydrogenase to energy-linked NAD+ reduction in Rhodospirillum rubrum. Thomas JO, et al.
Biochim Biophys Acta 223:204-8, 3 Nov 70
Metabolism of D-alanine in Rhodospirillum rubrum and its bacilliform mutants. Newton JW.
Nature (Lond) 228:1100-1, 12 Dec 70
Temperature-sensitive mutations of the photosynthetic apparatus of Rhodospirillum rubrum. Weaver P. Proc Natl Acad Sci USA 68:136-8, Jan 71
Effect of proteolytic and lipolytic enzymes on the electron transport particle fraction of Rhodospirillum rubrum. I. Proteases. Boll M.
Z Naturforsch [B] 25:1448-50, Dec 70
Effect of proteolytic and lipolytic enzymes on the electron transport particle fraction of Rhodospirillum rubrum. II. Phospholipases. Boll M.
Z Naturforsch [B] 26:246-9, Mar 71
[Action of synthetic cytokinins on growth and pigment formation of Rhodospirillum rubrum] Romanow I, et al. Ann Inst Pasteur (Paris) 117:243-9, Aug 69 (Fre)
[The production of particle-bound bacteriochlorophyll precursors by the mutant F9 of Rhodospirillum rubrum] Oelze J, et al.
Arch Mikrobiol 73:19-33, 1970 (Ger)
[The influence of oxygen pressure and light intensity on the ATP level of Athiorhodaceae] Schön G, et al.
Arch Mikrobiol 73:34-46, 1970 (Ger)

RHOMBENCEPHALIC SLEEP see under SLEEP, REM (F1, G1)

RHUBARB (B6, D7)

ANALYSIS

[Anthraquinones and anthraquinone glycosides appearing in Chiene rhubarb roots] Bellaart AC.
Pharm Weekbl 106:252-62, 19 Mar 71 (Dut)
[Development of rational technology and a method of quantitative determination of oxymethylantraquinones of rhubarb tablets] Minina SA, et al. Farmatsiia 20:19-24, Mar-Apr 71 (Rus)

ANATOMY & HISTOLOGY

[Morphology and anatomy of above ground organs of Rheum palmatum L. cultivated in the vicinity of Belgrade. 3] Tucakov J, et al.
Glas Srp Akad Nauka [Med] 21:31-40, 1969 (Ser)

RHUS (B6)

Delayed hypersensitivity to catechols. V. Absorption and distribution of substances related to poison ivy extracts and their relation to the induction of sensitization and tolerance. Godfrey HP, et al.
J Immunol 106:91-102, Jan 71
Studies on the biological activity of Rhus striata. 3. Toxicity vs. hypersensitivity of dermal reactions in guinea pigs to Rhus striata ("manzanillo") extracts. De Hurtado I. J Invest Dermatol 55:94-100, Aug 70
[Effect of sumac on carbohydrate metabolism in rabbits in health and in alloxan diabetes] Guseinov DIa, et al.
Farmakol Toksikol 33:593-4, Sep-Oct 70 (Rus)
[Pharmacological effects of sumac (Rhus coriaria)] Altinkurt O, et al.
Turk Hij Tecr Biyol Derg 30:41-6, 1970 (Tur)

ENZYMOLOGY

The electron-accepting sites in Rhus vernicifera laccase as studied by anaerobic oxidation-reduction titrations. Reinhammar BR, et al.
Eur J Biochem 18:463-8, Feb 71
Oxidation-reduction titrations of copper ions in Rhus-laccase. Properties of two types of copper ions in the molecule. Makino N, et al.
J Biochem (Tokyo) 69:91-100, Jan 71

RHUS DERMATITIS see under POISON IVY DERMATITIS (C12, C14)

RIB FRACTURES (C14)

Chest trauma. Nacierio EA. Clin Symp 22:75-109, 1970
Spontaneous fracture of the first rib. Jamil Z, et al.
J Indian Med Assoc 55:16-9, 1 Jul 70
[Fractures and dislocations in the rib-thoracic vertebrae area] Rosolleck H.
Med Welt 31:1402-4, 8 Aug 70 (Ger)
[Traumatic injuries to the chest wall from blunt objects] Rehn J.
Munch Med Wochenschr 113:541-3, 9 Apr 71 (Ger)
[Resuscitation in thoracic mobile flap fractures] Zaffiri O, et al. Minerva Anestesiol 35:1079-80, Oct 69 (Ita)
[Our experience with thoracic injuries] Varola F, et al.
Minerva Chir 25:1174-97, 15 Sep 70 (Ita)
[Isolated fractures of the 1st ribs] Iudin OA.
Sud Med Ekspert 14:57, Jan-Mar 71 (Rus)
[Apparatus for sternal extension in multiple fractures of the ribs and sternum] Reut NI.
Vestn Khir 105:110-1, Jul 70 (Rus)

COMPLICATIONS

Fracture of the first rib with associated fracture of the clavicle. Iqbal QM. Med J Malaya 25:223-5, Mar 71
Massive subcutaneous emphysema. Millard CE.
Postgrad Med 49:117-20, Feb 71
[Respiratory complications in serial rib fractures and their treatment] Amann E, et al.
Monatsschr Unfallheilkd 74:31-46, Jan 71 (Ger)
[On a case of repeated chronological association of thoracic trauma and acute pulmonary atelectasis (pulmonary cramp)] Di Renzo R.
Atti Accad Fisiocrit Siena [Med Fis] 17:954-60, 1968 (Ita)
[Lung lesions with traumatic fractures of the ribs (x-ray observations)] Vol'-Epshtein GL, et al.
Grudn Khir 13:91-3, Mar-Apr 71 (Rus)

DIAGNOSIS

[Closed trauma of the thorax] Montoli E, et al.
Minerva Med 61:4777-92, 24 Oct 70 (Ita)

ETIOLOGY

[Spontaneous rib fracture in pulmonary tuberculosis] Malinovskiĭ AF. Probl Tuberk 49:86-7, 1971 (Rus)

OCCURRENCE

[Serial rib fractures] Bartel M, et al.
Monatsschr Unfallheilkd 72:329-36, Aug 69 (Ger)

THERAPY

The treatment of anterior chest wall injuries. Jeffery RM. Br J Surg 57:667-9, Sep 70
Multiple rib fractures. MacDonald WB.
Can Med Assoc J 104:618, 3 Apr 71
Multiple rib fractures. (Case P58).
Can Med Assoc J 104:222-4, 6 Feb 71
[Flail chest] Cah Anesthesiol 18:991+, Dec 70 (Fre)
[Rib fractures] Galle P.
Pneumonologie 143:275-80, 1970 (Ger)
[Closed treatment of multiple fractures of the ribs and sternum] Reut NI.
Grudn Khir 13:85-6, Mar-Apr 71 (Rus)

RIBOFLAVIN (D10, D11)

The affinity of flavin semiquinones for certain aromatic compounds and disulfides. Draper RD, et al.
Arch Biochem Biophys 139:265-8, Aug 70
Studies on the chemiluminescence from an O2 and/or HOOH adduct derived from the riboflavin-copper(I) chelate. Stone MO, et al.
Biochemistry 9:4343-51, 27 Oct 70
Australian dietary surveys with special reference to vitamins. Woodhill JM.
Int Z Vitaminforsch 40:520-40, 1970
Fluorescence properties of flavins in various solvents. Kotaki A, et al. J Biochem (Tokyo) 68:509-16, Oct 70
Studies on sweet potato beta-amylase. II. Susceptibility of tryptophan to the riboflavin-sensitized photooxidation in the presence of adenine. Uehara K, et al. J Biochem (Tokyo) 69:27-33, Jan 71
Riboflavin-indoles interaction in acid solution. Mitsuda H, et al. J Vitaminol (Kyoto) 16:215-8, Sep 70
Preparation and properties of crystalline riboflavin-tryptophan complex. Mitsuda H, et al.
J Vitaminol (Kyoto) 16:219-24, Sep 70
Studies on fatty acid esters of flavins. VII. Reaction of riboflavin tetrabutyrate with linoleic acid under ultra violet light irradiation. Oama H, et al.
J Vitaminol (Kyoto) 16:297-303, 10 Dec 70
Studies on fatty acid esters of flavins. 8. Mechanism of hydrolysis of riboflavin tetrabutyrate by pancreatic lipase. Yagi K, et al.
J Vitaminol (Kyoto) 17:52-6, 10 Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Activating effect of flavin coenzymes on cytochrome C transformations photosensitized by chlorophyll] Krasnovskiĭ AA, et al. Dokl Akad Nauk SSSR 194:953-6, 1 Oct 70 (Rus)
[Preservation of thiamine and riboflavin in canned black currant products] Chepurko VK. Vopr Pitan 30:87-8, 1971 (Rus)

ADMINISTRATION & DOSAGE

Controlled trial of hydroxocobalamin and riboflavine in Nigerian ataxic neuropathy. Osuntokun BO, et al. J Neurol Neurosurg Psychiatry 33:663-6, Oct 70
The clinical and biochemical effects of riboflavin and nicotinamide supplementation upon Bantu schoolchildren. Wittmann W, et al. S Afr Med J 45:627-30, 12 Jun 71

ANALYSIS

[Structure and C 13 -chemical shift of natural substances: pulse-Fourier-transform C 13 -NMR spectroscopy of riboflavine] Voelter W, et al. Hoppe Seylers Z Physiol Chem 352:1034-6, Jul 71
Effect of high cholesterol diet on tissue levels of riboflavin and choline. Banerjee B, et al. J Vitaminol (Kyoto) 16:235-6, Sep 70
Effect of Acacia catechu on niacin, ascorbic acid and riboflavin status in rats. Chaudhari PN, et al. J Vitaminol (Kyoto) 17:105-7, 10 Jun 70
[Vitamins C, B1 and B2 in asparagus. Variation in the course of growth, storing and cooking] Ournac A. Aliment Vie 58:164-72, 1970 (Fre)

BIOSYNTHESIS

Biosynthesis of riboflavin by Ashbya gossypii. I. The influence of fats of the animal origin on the riboflavin production. Szczesniak T, et al. Acta Microbiol Pol [B] 3:29-34, 1971
Biosynthesis of riboflavin by Ashbya gossypii. II. The influence of animal proteins on the riboflavin biosynthesis. Szczesniak T, et al. Acta Microbiol Pol [B] 3:91-5, 1971
Biosynthesis of riboflavine. Bacher A, et al. Antonie van Leeuwenhoek 35:Suppl:H3-4, Jun 69
Genetical classification of riboflavineless mutants of Saccharomyces cerevisiae. Oltmanns O, et al. Antonie van Leeuwenhoek 35:Suppl:J13, Jun 69
Purine metabolism and riboflavin overproduction in Candida guilliermondii. Shaviovsky GM, et al. Antonie van Leeuwenhoek 35:Suppl:H1-2, Jun 69
Nondisplacement of rat tissue riboflavin by 7-chloro-8-methyl-flavin and the stimulation of intestinal synthesis of riboflavin. Lambooy JP, et al. J Nutr 100:883-91, Aug 70
Biogenesis of riboflavin in green leaves. VII. Isolation and characterization of spinach riboflavin synthetase. Mitsuda H, et al. J Vitaminol (Kyoto) 16:285-92, 10 Dec 70
Effects of 8-azaguanine, chloramphenicol and 3-amino-1,2,4-triazole on riboflavin formation by Eremothecium ashbyii. Mitsuda H, et al. J Vitaminol (Kyoto) 16:172-9, Sep 70
[Purine metabolism and riboflavin biosynthesis in microorganisms. IV. Storing of riboflavin in the cells of Candida guilliermondii (Cast.) Lang. et G] Liesegang A, et al. Z Allg Mikrobiol 11:121-30, 1971 (Ger)
[Formation of significant quantities of riboflavin by various species of yeasts of the genus Debaryomyces] Shaviovskiĭ GM, et al. Mikrobiologiia 39:327-30, Mar-Apr 70 (Rus)
[Possibility of selecting active strains of Rhizobium from the riboflavin and cobalamin content in pure cultures] Shemakhanova NM, et al. Mikrobiologiia 39:1026-9, Nov-Dec 70 (Rus)
[Production of riboflavin by Eremothecium ashbyii Guilliermond, in Agave sp. juice] Sánchez-Marroquín A, et al. Microbiol Esp 23:113-26, Apr-Jun 70 (Spa)
[Production of riboflavin by Ashbya gossypii (Ashby and Nowell) Guill. in Agave sp. juice] Sanchez-Marroquin A, et al. Microbiol Esp 23:127-37, Apr-Jun 70 (Spa)
[Biosynthesis of thiamine, riboflavin and vitamin B12 by some blue-green algae] Kopteva ZhP. Mikrobiol Zh 32:429-33, May-Jun 70 (Ukr)
[A cytosine deficient mutant of the yeast Candida guilliermondii capable of synthesizing large quantities of riboflavin] Shaviovskiĭ GM, et al. Mikrobiol Zh 32:281-6, May-Jun 70 (Ukr)

CHEMICAL SYNTHESIS

The synthesis of succinate-dehydrogenase riboflavin. Ghisla S, et al. Angew Chem [Engl] 9:642-3, Aug 70

METABOLISM

Evidence in man for different specialized intestinal transport mechanisms for riboflavin and thiamin. Levy G, et al. Am J Clin Nutr 24:401-4, Apr 71
Riboflavin absorption in children with biliary obstruction. Jusko WJ, et al. Am J Dis Child 121:48-52, Jan 71
Growth of the riboflavin-splitting rumen organism Eubacterium fissicatena in the presence of tunstate and molybdate. Owen EC, et al. Biochem J 119:24P, Sep 70
Riboflavin-methotrexate interactions. Photochemical reaction and competition for transport in the L1210 mouse leukemia cell. Lichtenstein NS, et al. Biochem Pharmacol 19:1229-39, Apr 70
Flavin nucleotide coenzyme biosynthesis and its relation to corticosteroidogenesis in the rat adrenal. Fazekas AG, et al. Endocrinology 89:397-407, Aug 71
Genetic control of the riboflavin carrier protein. Clagett CO. Fed Proc 30:127-9, Jan-Feb 71
Nondisplacement of rat tissue riboflavin by 7-chloro-8-methyl-flavin and the stimulation of intestinal synthesis of riboflavin. Lambooy JP, et al. J Nutr 100:883-91, Aug 70
Direct absorption of riboflavin tetrabutyrate through digestive canal. Yagi K, et al. J Vitaminol (Kyoto) 16:247-8, Sep 70
Vitamin B2 and Vitamin E in long-term hemodialysis. Takeshi I, et al. JAMA 217:899, 2 Aug 71
Riboflavin absorption in the newborn. Nutr Rev 28:275-6, Oct 70
Avian renal riboflavinuria. 7. Riboflavin-binding protein transport and half-life. Hammer C, et al. Poult Sci 50:938-44, May 71
[Flavoprotein respiratory enzymes and placental functions. Enzymatic acitivity of the placenta in patients exposed to hypnoanalgesia with gamma OH] Riva G, et al. Atti Accad Med Lomb 23:221-31, Apr-Jun 68 (Ita)
[Incorporation of riboflavin derivative to the ocular globe] Dono M. Acta Soc Ophthalmol Jap 74:1082-6, Sep 70 (Jap)
[Hygienic evaluation of nutrition and vitamin C and B2 requirements of children living in the mountainous area of Pricarpathia] Verbinets AV. Vopr Pitan 29:22-5, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

Hypoglycin toxicity in rats. II. Modification by riboflavin of mitochondrial changes in liver. Brooks SE, et al. Am J Pathol 62:309-20, Mar 71
Population study of erythrocyte glutathione reductase activity. II. Hematological data of subjects with low enzyme activity and stimulation characteristics in their families. Flatz G. Humangenetik 11:278-85, 1971
Population study of erythrocyte glutathione reductase activity. I. Stimulation of the enzyme by flavin adenine dinucleotide and by riboflavin supplementation. Flatz G. Humangenetik 11:269-77, 1971
Induction of a specific enzyme inadequacy in infant rats by the use of a homologue of riboflavin. Kim YS, et al. J Nutr 101:819-29, Jun 71
Study on the compensatory activity of adrenals for the hepatic hypofunction with special reference to the effect of riboflavin administration on the oxygen consumption in the liver and adrenals. Obara K, et al. Yokohama Med Bull 20:105-11, Aug 69
[Modern concept of lactacidogenic enzyme therapy] Resen Clin Cient 37:37-42, Jan-Feb 68 (Por)
[Effect of pantothenic acid, riboflavin and nicotinic acid on deposition of thiamine-S35 in albino rats] Rozanov AIa, et al. Ukr Biokhim Zh 42:8-11, 1970 (Ukr)

RADIATION EFFECTS

Riboflavin-methotrexate interactions. Photochemical reaction and competition for transport in the L1210 mouse leukemia cell. Lichtenstein NS, et al. Biochem Pharmacol 19:1229-39, Apr 70
Photochemical degradation of flavins. VI. A new photoproduct and its use in studying the photolytic mechanism. Cairns WL, et al. J Am Chem Soc 93:2772-7, 2 Jun 71

THERAPEUTIC USE

The effect of adenosine and B2-tetrabutyrate on high lipid blood animals. Yamasaki S, et al. Kurume Med J 18:25-37, 1971
The clinical and biochemical effects of riboflavin and nicotinamide supplementation upon Bantu school children using maize meal as carrier medium. Du Plessis JP, et al. S Afr Med J 45:530-7, 15 May 71
[Catamnestic studies in porphyria cutanea tarda with special reference to therapy] Barth J, et al. Z Gesamte Inn Med 26:66-74, 15 Jan 71 (Ger)
[Treatment of patients with chronic liver diseases with a hepatotrophic preparation] Pagliaro L. Minerva Med 62:2840-3, 21 Jul 71 (Ita)
[Riboflavin (its action in the field of allergy)] Moura L. Rev Bras Med 27:613-5, Dec 70 (Por)
[Effect of riboflavin on energy metabolism during irradiation] Alferov AN. Radiobiologiia 10:332-5, Nov-Dec 70 (Rus)

URINE

Biochemical studies in phrynoderma (follicular hyperkeratosis). 3. Thiamine, riboflavin and nicotinic acid nutritional status of children suffering from phrynoderma. Bhat KS, et al. Indian J Med Res 58:753-7, Jun 70
The nature of the biochemical lesion in avian renal riboflavinuria. 6. Hormone induction of the riboflavin-binding protein in roosters and young chicks. Clagett CO, et al. Poult Sci 49:1468-72, Nov 70
[Disorders of riboflavin and ascorbic acid excretion in radiation sickness against the background of qualitatively diverse protein nutrition] Egorova ND, et al. Radiobiologiia 11:271-4, Mar-Apr 71 (Rus)

RIBOFLAVIN DEFICIENCY (C13)

[Influence of riboflavin deficiency on intestinal absorption of essential amino acids] Wellers G, et al. C R Soc Biol (Paris) 164:1195-7, 1970 (Fre)

BLOOD

Effects of cortisone and of adrenalectomy on plasma total ascorbic acid level in riboflavin deficiency. Chatterjee AK, et al. Endokrinologie 56:218-22, 1970

COMPLICATIONS

The possible role of riboflavin deficiency in epithelial neoplasia. II. Effect of skin tumor development. Wynder EL, et al. Cancer 26:1221-4, Dec 70

DIAGNOSIS

The ultramicro red-cell glutathione reductase assay for riboflavin status: its use in field studies in Thailand. Thurnham DI, et al. Mikrochim Acta 5:988-93, 1970

ENZYMOLOGY

Regulation of flavoprotein enzymes in hypothyroidism and in riboflavin deficiency. Rivlin RS. Adv Enzyme Regul 8:239-50, 1970
Physiological implications of reduced glutathione reductase activity of red blood cells in human ariboflavinosis. Bamji MS, et al. Clin Chim Acta 31:409-12, Feb 71

METABOLISM

Glutathione metabolism of the red cells. Effect of glutathione reductase deficiency on the stimulation of hexose monophosphate shunt under oxidative stress. Paniker NV, et al. Biochim Biophys Acta 215:456-60, 22 Sep 70
Effect of riboflavine deficiency on incorporation in vivo of [14C]amino acid into liver proteins of rats. Chatterjee AK, et al. Br J Nutr 24:635-40, Sep 70
Effects of riboflavin deficiency and reallimentation on essential fatty acid nutritional status of rats. Bhat KS, et al. Indian J Biochem 7:178-80, Sep 70
In vitro incorporation of 14C-serine into proteins of crude liver microsomal fraction of riboflavin deficient rats. Pandit VI, et al. Indian J Exp Biol 8:89-91, Apr 70
[Effects of riboflavin deficiency on several mineral elements of feta-maternal tissues of rat] Potier de Courcy G, et al. Arch Sci Physiol (Paris) 24:181-95, 1970 (Fre)
[Zinc in teratogenic ariboflavinosis in the rat] Potier de Courcy G, et al. Arch Sci Physiol (Paris) 24:409-17, 1970 (Fre)

PHYSIOPATHOLOGY

Developmental physiology of cestodes. VI. Effect of host riboflavin deficiency on Hymenolepis diminuta. Platzer EG, et al. Exp Parasitol 28:393-8, Dec 70

RIBONUCLEASE (D9)

Properties and specificity of ribonuclease IIA from Thiobacillus thioparus. Ostrowski W, et al. Acta Biochim Pol 17:73-87, 1970
Structure-reactivity relations of imidazole in polypeptides. I. Accelerated carboxymethylation reactions in poly-L-Histidine. Goren HJ, et al. Arch Biochem Biophys 143:106-15, Mar 71
DNA-inhibited RNase of E. coli. Eley J, et al. Biochem Biophys Res Commun 43:1064-71, 4 Jun 71
Derivatives of Bacillus amyloliquefaciens ribonuclease (barnase) isolated after limited digestion by carboxypeptidases A and B. Hartley RW. Biochem Biophys Res Commun 40:263-70, 27 Jul 70
In vitro synthesis of phi-X-174 single-stranded DNA. Linney EA, et al. Biochem Biophys Res Commun 41:669-74, 9 Nov 70
A study on the interaction of ribonuclease ST with guanosine 3'-monophosphate by circular dichroism. Yashida N, et al. Biochem Biophys Res Commun 43:954-61, 4 Jun 71
Copper (II) and manganese (II) effects on ribonuclease A activity. Alger TD. Biochemistry 9:3248-55, 4 Aug 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Helix-coil transition of the isolated amino terminus of ribonuclease. Brown JE, et al. Biochemistry 10:470-6, 2 Feb 71
Streptococcal nucleases. IV. Some properties and specificities of the ribonuclease action of the B and D enzymes. Gray ED, et al. Biochemistry 7:96-105, Jan 68
Thermodynamics of the binding of S-peptide to S-protein to form ribonuclease S. Hearn RP, et al. Biochemistry 10:806-17, 2 Mar 71
Use of fluorine-19 nuclear magnetic resonance to study conformation changes in selectively modified ribonuclease S. Huestis WH, et al. Biochemistry 10:1181-6, 30 Mar 71
Modification of staphylococcal nuclease with nitrophenylsulfenyl halides. Parikh I, et al. Biochemistry 10:1173-7, 30 Mar 71
Some factors affecting ribonucleic acid chain-length estimation with Bacillus subtilis Exonuclease. Riley WT. Biochemistry 9:4405-10, 27 Oct 70
Characterization of enzymatic specificity of a ribonuclease from Ustilago sphaerogena. Rushizky GW, et al. Biochemistry 9:4966-71, 8 Dec 70
Kinetic and equilibrium studies on the interaction of ribonuclease A and 2'1-deoxyuridine 3'-phosphate. Walz FG Jr. Biochemistry 10:2156-62, 25 May 71
Purification and characterization of two extracellular ribonucleases from Rhizopus oligosporus. Woodroof EA, et al. Biochemistry 10:1532-40, 27 Apr 71
Binding of purine nucleoside monophosphates by ribonuclease T-1. A model system for protein nucleic acid interaction. Campbell MK, et al. Biochim Biophys Acta 232:427-35, 25 Mar 71
Fluorescence and the structure of proteins. XIX. Acetylation of exposed tyrosine of ribonuclease A. Cowgill RW, et al. Biochim Biophys Acta 214:228-30, 27 Jul 70
Chromatographic resolution of lysine-rich histones unaffected by phosphatase or ribonuclease treatment. Evans K, et al. Biochim Biophys Acta 221:128-31, 20 Oct 70
Crystalline insulin-ribonuclease. The presence of large molecular aggregates. Fullerton WW, et al. Biochim Biophys Acta 229:250-9, 19 Jan 71
Some relations of lysine residues to reactivities in pancreatic ribonuclease. Glick DM, et al. Biochim Biophys Acta 214:326-42, 21 Aug 70
The conversion of 3-monoazotyrosine to 3-aminotyrosine in peptides and proteins. Gorecki M, et al. Biochim Biophys Acta 229:590-5, 23 Mar 71
Effect of sodium dodecyl sulfate on circular dichroism of some nonhelical proteins. Jirgensons B, et al. Biochim Biophys Acta 214:1-5, 27 Jul 70
Degradation of poly A and double-stranded RNA by aggregates of pancreatic ribonuclease. Libonati M. Biochim Biophys Acta 228:440-5, 28 Jan 71
Reconstitution of yeast phenylalanine tRNA after fragmentation with ribonuclease T1. Schmidt J, et al. Biochim Biophys Acta 213:539-41, 8 Aug 70
Isoelectric points and conformation of proteins. I. Effect of urea on the behavior of some proteins in isoelectric focusing. Ui N. Biochim Biophys Acta 229:567-81, 23 Mar 71
Isolation from Avena leaf tissues of a nuclease with the same type of specificity towards RNA and DNA. Accumulation of the enzyme during leaf senescence. Wyen NV, et al. Biochim Biophys Acta 232:472-83, 25 Mar 71
Kinetic studiesof ribonuclease St-catalysed hydrolysis of guanosine and inosine 2',3'-cyclic phosphates, and comparison with ribonuclease T 1. Yoshida N, et al. Biochim Biophys Acta 228:648-53, 11 Feb 71
The time-course of the destruction of amino acid residues during the photodynamic inactivation of ribonuclease A. Mac Knight ML, et al. Boll Chim Farm 109:659-64, Nov 70
Alkaline and acid ribonucleases of kidney and spleen of nephrotic rats. Nicholls DM, et al. Can J Biochem 49:535-42, May 71
Immobilized RNAase by adsorption on porous glass. Messing RA. Enzymologia 38:370-2, 30 Jun 70
Acid protease from germinated sorghum. 2. Substrate specificity with synthetic peptides and ribonuclease A. Garg GK, et al. Eur J Biochem 17:13-8, Nov 70
Partial nuclease digestion of transfer ribonucleic acids and aminoacylated transfer ribonucleic acids. Hänggi UJ, et al. Eur J Biochem 18:496-502, Feb 71
Ribonuclease H. An enzyme degrading the RNA moiety of DNA-RNA hybrids. Hausen P, et al. Eur J Biochem 14:278-83, Jun 70
A deuterium-hydrogen exchange study of inhibitor-induced conformational changes in ribonuclease A. Nonnenmacher G, et al. Eur J Biochem 21:393-9, 16 Aug 71
On the mechanism of action of ribonuclease T1. Nuclear magnetic resonance study on the active site. Rüterjans H, et al. Eur J Biochem 18:313-8, 1 Feb 71
In vitro induction of anti-DNP antibody by immunogenic RNA from rabbit liver. Duke LJ, et al. Immunochemistry 8:431-55, May 71
The use of glutaraldehyde as a coupling agent for ribonuclease and bovine serum albumin. Sachs DH, et al. Immunochemistry 7:561-5, Jun 70
The effect of protein precipitants on alpha-chymotrypsin and other enzymes. Saidel LJ, et al. Indian J Biochem 7:157-61, Sep 70
Conformation and segmental motion of native and denatured ribonuclease A in solution. Application of natural-abundance carbon-13 partially relaxed Fourier transform nuclear magnetic resonance. Allerhand A, et al. J Am Chem Soc 93:544-6, 27 Jan 71
Synthesis of adenylyl-(3',5')-nucleosides, adenylyl-(3',5')-guanosine 2',3'-cyclic phosphate, and oligoadenylic acids by ribonuclease U2. Koike T, et al. J Biochem (Tokyo) 69:111-7, Jan 71
Heat balance of S-peptide-S-protein binding in ribonuclease S. Marzotto A, et al. J Biochem (Tokyo) 68:833-5, Dec 70
Difference spectral studies on the interactions between ribonuclease T and its substrate analogues. Oshima T, et al. J Biochem (Tokyo) 69:987-90, May 71
Conformation of cytidine group in the complex of pancreatic ribonuclease A and cytidine-2'-phosphate. Oshima T, et al. J Biochem (Tokyo) 70:193-5, Jul 71
A change in circular dichroism due to the binding of guanosine-3-phosphate to ribonuclease T1. Oshima T, et al. J Biochem (Tokyo) 70:197-9, Jul 71
Binding of 3'-guanylic acid and related compounds to ribonuclease T1--gel filtration studies. Takahashi K. J Biochem (Tokyo) 68:941-3, Dec 70
The structure and function of ribonuclease T. X. Reactions of iodoacetate, iodoacetamide and related alkylating reagents with ribonuclease T. Takahashi K. J Biochem (Tokyo) 68:517-27, Oct 70
Immunochemical properties of ribonuclease T1 in relation to other ribonucleases. Uchida T. J Biochem (Tokyo) 68:2564, Sep 70
Crystallographic analysis of the interaction of cupric ion with ribonuclease S. Allewell NM, et al. J Biol Chem 246:4657-63, 10 Aug 71
A high resolution structure of an inhibitor complex of the extracellular nuclease of Staphylococcus aureus. I. Experimental procedures and chain tracing. Arnone A, et al. J Biol Chem 246:2302-16, 10 Apr 71
Absorption and circular dichroism spectra of ribonuclease-S at 77 degrees K. Horwitz J, et al. J Biol Chem 246:3749-52, 10 Jun 71
The structural roles of amino acid residues near the carboxyl terminus of bovine pancreatic ribonuclease A. Lin MC. J Biol Chem 245:6736-31, 25 Dec 70
Regeneration of activity by mixture of ribonuclease enzymically degraded from the COOH terminus and a synthetic COOH-terminal tetradecapeptide. Lin MC, et al. J Biol Chem 245:5169-70, 10 Oct 70
Elongation of the disulfide bonds of bovine pancreatic ribonuclease and the effect of the modification on the properties of the enzyme. Sperling R, et al. J Biol Chem 246:715-8, 10 Feb 71
Simultaneous formation of two alternative enzymology active structures by complementation of two overlapping fragments of staphylococcal nuclease. Taniuchi H, et al. J Biol Chem 246:2291-301, 10 Apr 71
Formation of randomly paired disulfide bonds in des-(121-124)-ribonuclease after reduction and reoxidation. Taniuchi H. J Biol Chem 245:5459-68, 25 Oct 70
Studies of hydrogen exchange in proteins. V. The correlation of ribonuclease exchange kinetics with the temperature-induced transition. Woodward CK, et al. J Biol Chem 246:4105-13, 10 Jul 71
Studies of hydrogen exchange in proteins. VI. Urea effects on ribonuclease exchange kinetics leading to a general model for hydrogen exchange from folded proteins. Woodward CK, et al. J Biol Chem 246:4114-21, 10 Jul 71
Enzyme-activation by antibody. 3. The effect of antibody on activity-restoration in mixtures of S-peptide and S-protein. Cinader B, et al. J Immunol 106:1381-8, May 71
Conformational changes of ribonuclease A as seen by nuclear magnetic resonance line shifts. Addad JP. J Mol Biol 50:595-603, 28 Jun 70
Studies on 5 s RNA conformation by partial ribonuclease hydrolysis. Jordan BR. J Mol Biol 55:423-39, 14 Feb 71
The interpretation of protein structures: estimation of static accessibility. Lee B, et al. J Mol Biol 55:379-400, 14 Feb 71
Laser-excited Raman spectroscopy of biomolecules. II. Native ribonuclease and alpha-chymotrypsin. Lord RC, et al. J Mol Biol 51:203-13, 28 Jul 70
Simplification of the proton magnetic resonance spectrum of ribonuclease by difference spectroscopy. King NL, et al. Nature (Lond) 229:404-6, 5 Feb 71
Absolute stereochemistry of the second step of ribonuclease action. Usher DA, et al. Nature (Lond) 228:663-5, 14 Nov 70
Carbon-13 Fourier transform nuclear magnetic resonance. II. Ribonuclease. Allerhand A, et al. Proc Natl Acad Sci USA 67:1093-6, Nov 70
Oxidized RNase as a protein model having no contribution to the hydrogen exchange rate from conformational restrictions. Woodward CK, et al. Proc Natl Acad Sci USA 66:1067-74, Aug 70
[Demonstration of ribonuclease and deoxyribonuclease activities after acrylamide-agarose electrophoresis] Berges J, et al. Biochimie 53:303-6, 1971 (Fre)
[Changes in the conformation of DNA-ribonuclease complexes] Cattan D, et al. C R Acad Sci [D] (Paris) 272:1556-9, 15 Mar 71 (Fre)
[Influence of the nominal freezing rate on histological changes and on acid phosphatases, ribonucleases and peptidases of bovine muscle] Maggi E, et al. Ig Mod 62:98-107, 1969 (Ita)
[Study of the interaction in the system ribonuclease-copolymers of sodium vinylpyrrolidone and vinylsulfonate by gel chromatography on Sephadex] Samsonov GV, et al. Biofizika 14:634-8, Jul-Aug 69 (Rus)
[Alcoholysis of uridine-2', 3'-cyclophosphate by uridine in the presence of pancreatic RNAase] Ustiuzhanin GE, et al. Biokhimiia 35:708-16, Jul-Aug 70 (Rus)
[Effect of the substrate and concurrent inhibitors of ribonuclease on its transport through an artificial lipid membrane in a model system] Deborin GA, et al. Dokl Akad Nauk SSSR 190:720-1, 21 Jan 70 (Rus)
[Penicillium chrysogenum exonuclease] Bezborodova SI, et al. Mikrobiologiia 39:414-20, May-Jun 70 (Rus)

ADVERSE EFFECTS

[Comparative morphodynamic and ultrastructural studies of ribonuclease-induced nucleolar lesions in tissue culture] Robineaux R, et al. Sb Ved Pr Lek Fak Karlovy Univ 13:227-8, 1970 (Fre)

ANALYSIS

A fluorometric method for assay of RNase acitivity. Kamm RC, et al. Anal Biochem 37:333-6, Oct 70
Gel electrophoretic assay for trace amounts of ribonuclease. Mans RJ, et al. Anal Biochem 41:560-6, Jun 71
Quantitative protein sequencing using mass spectrometry: mass spectral analysis of 2-anilino-5-thiazolinone derivatives of amino acids without prior conversion to the phenyl thiohydantoins. Fairwell T, et al. Biochem Biophys Res Commun 43:1280-9, 18 Jun 71
A ribonuclease from human skeletal muscle. Goldspink DF, et al. Biochem J 118:9-13, Jun 70
Circular dichroism studies on the conformation and interaction of T 1 ribonuclease. Sander C, et al. Biochemistry 10:1953-66, 25 May 71
A modified method for determining hydrogen-deuterium exchange in proteins. Johansen JT. Biochim Biophys Acta 214:551-3, 29 Sep 70
The production of ribosomal RNA from high molecular weight precursors. II. Demonstration of an exonuclease in isolated nucleoli. Kelley DE, et al. Biochim Biophys Acta 238:357-62, 13 May 71
Studies on serum and urinary ribonuclease activity in subjects related to patients with chronic granulocytic leukemia. Aleksandrowicz J, et al. Bull Pol Med Sci Hist 14:58-60, Apr 71
The middle ultraviolet spectra of proteins. II. The denatured states of RNase. A'zary EP, et al. Can J Biochem 48:962-9, Sep 70
Relation of polysome structure to ribonuclease and ribonuclease inhibitor activities in livers of magnesium-deficient guinea pigs. Grace ND, et al. Can J Biochem 48:21-6, Jan 70
Activity of alkaline and acid nucleases in tumors of the human central nervous system. Histochemical study. Taper HS, et al. Cancer 28:482-90, Aug 71
Circular dichroism of acetoacetylated proteins. Marzotto A. Experientia 26:1084-5, 15 Oct 70
Nuclear magnetic resonance studies on selectively deuterated staphylococcal nuclease. Jardetzky O, et al. Farmaco [Sci] 25:894-7, Nov 70
The structure and function of ribonuclease T1. XI. Modification of the single arginine residue in ribonuclease T1 by phenylglyoxal and glyoxal. Takahashi K. J Biochem (Tokyo) 68:659-64, Nov 70
Studies on the oligosaccharide sequence of ribonuclease B. Tarentino A, et al. J Biol Chem 245:4150-7, 25 Aug 70
A ribonuclease of group A streptococci. Taylor AG. J Gen Microbiol 65:193-200, Feb 71
A ribonuclease from preparations of streptolysin S. Taylor AG. J Gen Microbiol 65:iv-v, Mar 71
Intralaminar distribution of acid ribonuclease in rabbit cerebral cortex. Takahashi Y, et al. J Histochem Cytochem 19:43-5, Jan 71
Nuclease activity of ribosomal and soluble fractions of Acheta domesticus. Mangan KF, et al. J Insect Physiol 16:1155-63, Jun 70
Leukocyte ribonucleotide reductase: studies in normal subjects and in subjects with leukemia or pernicious anemia. Fujioka S, et al. J Lab Clin Med 77:59-64, Jan 71
A histochemical study of alkaline and acid nuclease activity in the human brain compared to the incidence of malignant tumours. Taper HS, et al. J Neurol Sci 12:369-82, Apr 71
Inhibition of hepatic ribonuclease activity by chronic administration of phenobarbitone. Stolman S, et al. J Pharm Pharmacol 22:713-4, Sep 70
Ribonuclease activity in the lens during differentiaion. Gross M, et al. Life Sci [II] 9:1321-6, 8 Dec 70
Escherichia coli strains with modified RNase II

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

activity: isolation and properties. Longo D, et al. Mol Gen Genet 110:54-60, 1971
Proton magnetic resonance studies at 220 MHz of the histidine residues of staphylococcal nuclease. Cohen JS, et al. Nature (Lond) 228:642-4, 14 Nov 70
Ribosomes, bound and unbound. Nature (Lond) 232:84, 9 Jul 71
Ribonuclease-inhibitor system abnormality in dystrophic mouse skeletal muscle. Little BW, et al. Science 170:747-9, 13 Nov 70
A sensitive colorimetric assay for ribonuclease. Lazzari EP, et al. Tex Rep Biol Med 28:561-4, Winter 70
[Localization of a ribonuclease and a polyadenylase in liver mitochondria] Baudhuin P, et al. Arch Int Physiol Biochim 78:985-7, Dec 70 (Fre)
[The nucleases of the blue actinomycetes group] Verzilov VV, et al. Izv Akad Nauk SSSR [Biol] 1:133-6, Jan-Feb 70 (Rus)
[Nucleotide composition of nucleic acids and nucleodepolymerase specificity in microorganisms] Beliaeva MI, et al. Mikrobiologiia 38:980-3, Nov-Dec 69 (Rus)

ANTAGONISTS & INHIBITORS

An apparatus for preparative polyacrylamide electrophoresis: the isolation of a ribonuclease inhibitor. Bont WS, et al. Anal Biochem 27:99-107, Jan 69
Effects of flavonoid compounds on enzyme activities. I. Inhibitory action on bovine pancreatic ribonuclease. Mori S, et al. Arch Biochem Biophys 139:444-6, Aug 70
A 31P NMR study of the association of uridine-3'-monophosphate to ribonuclease A. Lee GC, et al. Biochem Biophys Res Commun 43:142-8, 2 Apr 71
Further studies on the ribonuclease inhibitor from rat liver: stability and other properties. Gribnau AA, et al. Biochim Biophys Acta 224:55-62, 12 Nov 70
A suggested control function for the animal tissue ribonuclease-ribonuclease inhibitor system, based on studies of isolated cells and phytohaemagglutinin-transformed lymphocytes. Kraft N, et al. Biochim Biophys Acta 217:164-75, 17 Sep 70
Segments of 28-S RNA protected from pancreatic ribonuclease by interaction with ribosomal proteins. Petrović S, et al. Biochim Biophys Acta 217:95-107, 17 Sep 70
Relation of polysome structure to ribonuclease and ribonuclease inhibitor activities in livers of magnesium-deficient guinea pigs. Grace ND, et al. Can J Biochem 48:21-6, Jan 70
Interaction of ribonuclease from Aspergillus saitoi with aristeromycin and its phosphate esters. Irie M. J Biochem (Tokyo) 69:965-8, May 71
Developmental and regional variations in ribonuclease inhibitor activity in brain. Suzuki Y, et al. J Neurochem 17:1521-4, Oct 70
Purification and characterstics of RNase inhibitor from pig cerebral cortex. Takahashi Y, et al. J Neurochem 17:1433-40, Oct 70
Effect of various inhibitors on the activity of sea urchin ribonucleases. Daigneault R, et al. Lab Pract 20:487-8 passim, Jun 71
The effect of age on amino acid incorporating activity and its dependence on ribonuclease inhibitor activity in chicken liver. Sarkar NK, et al. Life Sci [II] 10:283-91, 8 Mar 71
The variation in the activities of hepatic ribonuclease and ribonuclease inhibitor in chicken livers as a function of age. Sarkar NK. Life Sci [II] 9:675-81, 22 Jun 70
Effects of morphine on mouse liver and brain ribonuclease and deoxyribonuclease activities. Datta RK, et al. Toxicol Appl Pharmacol 18:851-8, Apr 71
[Demonstration of the presence of a natural inhibitor of ribonuclease in beef liver. Ionic electrofocusing of this factor] Buri JF. C R Acad Sci [D] (Paris) 272:651-4, 25 Jan 71 (Fre)
[A new method for the determination of trueinitial velocities during competitive product inhibition, demonstrated with theibonulease-cyclic cytidine 2',3'-monophosphate system in salt-free medium] Müller W, et al. Hoppe Seylers Z Physiol Chem 351:1564-70, Dec 70 (Ger)

BIOSYNTHESIS

[Increase in ribonuclease activity in cells treated with ultraviolet rays] Gendon IuZ, et al. Dokl Akad Nauk SSSR 187:1178-80, 11 Aug 69 (Rus)
[Nuclease activity of thermophilic soil actinomycetes] Agre NS, et al. Mikrobiologiia 38:1085-90, Nov-Dec 69 (Rus)

BLOOD

Serum ribonuclease in multiple myeloma. Fink K, et al. Am J Med 50:450-7, Apr 71
A nuclease from animal serum which hydrolyzes double-stranded RNA. Stern R. Biochem Biophys Res Commun 41:608-14, 9 Nov 70
[Effect of thyroxine on serum ribonuclease activity after castration] Maloiepszy E, et al. Endokrynol Pol 21:527-30, Sep-Oct 70 (Pol)
[Nuclease and blood serum protein fraction activity in patients with destructive forms of pulmonary tuberculosis] Izabolinskaia RM, et al. Probl Tuberk 49:37-41, 1971 (Rus)

CHEMICAL SYNTHESIS

Solic phase synthetic study of the active site region of staphylococcal nuclease-T'. Chaiken IM, et al. J Biol Chem 246:2285-90, 10 Apr 71
The synthesis of ribonuclease A. Gutte B, et al. J Biol Chem 246:1922-41, 25 Mar 71

ISOLATION & PURIFICATION

Simultaneous isolation of human milk ribonuclease and lysozyme. Dalaly BK, et al. Anal Biochem 37:206-11, Sep 70
Purification of deoxyribonuclease II from sheep spleen. Slor H, et al. Arch Biochem Biophys 139:172-8, Jul 70
Ribonuclease from Streptomyces erythreus. Purification and properties. Yoshida N, et al. Biochim Biophys Acta 228:636-47, 11 Feb 71
Biochemical and cytochemical evidence for the polar concentration of periplasmic enzymes in a "minicell" strain of Escherichia coli. Dvorak HF, et al. J Bacteriol 104:543-8, Oct 70
Studies on salivary gland ribonucleases. I. Purification and properties of a ribonuclease from horse submaxillary gland. Hirose S, et al. J Biochem (Tokyo) 69:951-63, May 71
Purification and properties of seminal vesicle ribonucleases. Hosokawa S, et al. J Biochem (Tokyo) 69:683-97, Apr 71
Some chemical and physical properties of ribonuclease from Aspergillus saitoi. Irie M, et al. J Biochem (Tokyo) 69:881-92, May 71
Mung bean nuclease I. 3. Purification procedure and (3') omega monophosphatase activity. Mikulski AJ, et al. J Biol Chem 245:5026-31, 10 Oct 70
[Preparation of highly purified RNAase from Penicillium brevicompactum] Bezborodova SI, et al. Dokl Akad Nauk SSSR 196:1460-2, 21 Feb 71 (Rus)
[Extracellular nucleases of aerobic spore-forming bacteria] Preobrazhenskaia NE, et al. Mikrobiol Zh 32:680-3, Nov-Dec 70 (Ukr)

METABOLISM

Patterns of enzyme changes during leaf senescence. Lázár G, et al. Acta Biol Acad Sci Hung 21:389-96, 1970
Ribonuclease I released from Escherichia coli by osmotic shock. Abrell JW. Arch Biochem Biophys 142:693-700, Feb 71
Subcellular structure of bovine thyroid. II. Localization of RNA, DNA, acid hydrolases and adenosine deaminase. Hilderson HJ, et al. Arch Int Physiol Biochim 78:509-18, Aug 70
The phylogeny of the ribonuclease-ribonuclease inhibitor system: its distribution in tissues and its response during leukaemogenesis and aging. Kraft N, et al. Aust J Biol Sci 23:175-84, Feb 70
Studies on the allosteric properties of nuclear exoribonuclease from Ehrlich ascites tumor. Lazarus HM, et al. Biochemistry 10:505-10, 2 Feb 71
On the basis of specific fragmentation of ribonucleic acid by nucleases. Pinder JC, et al. Biochemistry 9:4519-24, 10 Nov 70
A suggested control function for the animal tissue ribonuclease-ribonuclease inhibitor system, based on studies of isolated cells and phytohaemagglutinin-transformed lymphocytes. Kraft N, et al. Biochim Biophys Acta 217:164-75, 17 Sep 70
Nature of the nuclease activity prevalent in Mycobacterium smegmatis during in vitro amino acid incorporation. Rieber M, et al. Biochim Biophys Acta 232:410-8, 11 Mar 71
Increase in acid-stable ribonuclease activity in fasted rat liver. Sheppard EP, et al. Biochim Biophys Acta 217:159-63, 17 Sep 70
Hydrolysis of ribo- and deoxyribo-dinucleotides by micrococcal nuclease. Sulkowski E, et al. Biochim Biophys Acta 217:538-40, 15 Oct 70
Flow cell analysis of enzymatic RNA digests. Thirion JP. Biochim Biophys Acta 217:523-6, 15 Oct 70
Isolation of enzymatically active nuclei from epithelial cells of the trachea. Smith JM, et al. Cancer Res 31:199-202, Feb 71
Histochemical activity of alkaline and acid nucleases in the rat liver parenchyma during N-nitrosomorpholine carcinogenesis. Taper HS, et al. Cancer Res 31:913-6, Jun 71
Nucleases in immunity. I. The effect of immunization on RNase and DNase activity in lymphoid tissues. Chakrabarty AK, et al. Clin Exp Immunol 6:609-18, Apr 70
Reactivation of reduced bovine pancreatic ribonuclease by subcellular fractions from calf thyroid glands. Morais R, et al. Endocrinology 88:742-8, Mar 71
Increased ribonuclease activity in thymus and lymph nodes after intraperitoneal antigenic stimulation with sheep erythrocytes. Maor D, et al. Immunology 20:259-61, Feb 71
Biochemical and cytochemical evidence for the polar concentration of periplasmic enzymes in a "minicell" strain of Escherichia coli. Dvorak HF, et al. J Bacteriol 104:543-8, Oct 70
Mutants of Escherichia coli lacking endonuclease I, ribonuclease I, or ribonuclease II. Wright M. J Bacteriol 107:87-94, Jul 71
Synthesis of oligo-ApGp and other oligonucleotides by ribonuclease N 1 . Koike T, et al. J Biochem (Tokyo) 70:55-61, Jul 71
The structure and function of ribonuclease T1. XII. Further studies on rose bengal-catalyzed photooxidation of ribonuclease T1--identification of a critical histidine residue. Takahashi K. J Biochem (Tokyo) 69:331-8, Feb 71
The specific alkylation by iodoacetamide of histidine-12 in the active site of ribonuclease. Fruchter RG, et al. J Biol Chem 242:5807-12, 25 Dec 67
Variation in the latency of acid phosphatase and ribonuclease throughout the growth cycle of Tetrahymena pyriformis. Lee D. J Cell Physiol 76:17-22, Aug 70
Erythroid cell RNase: activation by urea and localization to the cell membrane. Burka ER. J Clin Invest 50:60-8, Jan 71
Ribonuclease V of Escherichia coli. V. Requirement for ribosome translocation, but not for polypeptide formation. Kuwano M, et al. J Mol Biol 51:453-7, 28 Jul 70
Ribonuclease V of Escherichia coli. IV. Exonucleolytic cleavage in the 5' to 3' direction with production of 5'-nucleotide monophosphates. Kuwano M, et al. J Mol Biol 51:75-82, 14 Jul 70
Deoxyribonucleic acid polymerase(s) of Rous sarcoma virus: effects of virion-associated endonuclease on the enzymatic product. Quintrell N, et al. J Virol 8:17-27, Jul 71
The variation in the activities of hepatic ribonuclease and ribonuclease inhibitor in chicken livers as a function of age. Sarkar NK. Life Sci [II] 9:675-81, 22 Jun 70
Control of ribonuclease and acid phosphatase by auxin and abscisic acid during senescence of Rhoeo leaf sections. De Leo P, et al. Plant Physiol 46:806-11, Dec 70
Binding of adenosine 3':5'-cyclic phosphate to G factor of Escherichia coli, and its effects on GTPase, RNase V, and protein synthesis. Kuwano M, et al. Proc Natl Acad Sci USA 66:146-52, May 70
Enzymatic modification of transfer RNA. Söll D. Science 173:293-9, 23 Jul 71 (77 ref.)
[Formation and release of nucleases by Proteus mirabilis in dependence on the growth phases] Bieber J, et al. Z Allg Mikrobiol 10:527-9, 1970 (Ger)
[On the metabolic regulation in eucaryotes: the ribonucleic acid-ribonuclease system in Saccharomyces cerevisiae] Stärk GF, et al. Z Naturforsch [B] 26:328-36, Apr 71 (Ger)
[Effect of testosterone on ribonuclease activity] Maloiepszy E, et al. Przegl Lek 27:289-91, 1971 (Pol)
[Use of fluorescein isothiocyanate in the study of the permeability of the blood-brain barrier for ribonuclease] Rosin IaA, et al. Biofizika 15:920-2, Sep-Oct 70 (Rus)
[Distribution of acid and alkaline RNAase and alkaline RNAase inhibitor in different sections of the rat brain] Demin NN, et al. Dokl Akad Nauk SSSR 197:977-9, 1971 (Rus)
[Ribonuclease of histones in liver and hepatoma] Iurkiv VA, et al. Ukr Biokhim Zh 42:727-30, 1970 (Rus)
[Activity and distribution of nuclease and nonspecific phosphatase in rabbit tonsils in experimental allergy] Andreichenko VI. Zh Ushn Nos Gorl Bolezn 30:28-34, Mar-Apr 70 (Rus)
[Histochemistry of acid nucleases in human tonsils in chronic tonsillitis] Fedotov AF. Zh Ushn Nos Gorl Bolezn 30:22-8, Mar-Apr 70 (Rus)
[Absence of extracellular nucleases in mycobacteria] Preobrazhenskaia NIu, et al. Mikrobiol Zh 32:515-6, May-Jun 70 (Ukr)
[Effect of exogenous cortisol on RNA content in the mitochondria and ribonuclease in organs of white rats] Germaniuk IaI, et al. Ukr Biokhim Zh 43:234-8, Mar-Apr 71 (Ukr)

PHARMACODYNAMICS

Effect of ribonuclease on pigeon liver ribosomal ribonucleic acids. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:183-90, 1970
RNase sensitivity of messenger and ribosomal RNA in pigeon liver polysomes. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:191-201, 1970
Interferon induction by and ribonuclease sensitivity of thiophosphate-substituted polyribonucleotides. De Clercq E, et al. Antimicrob Agents Chemother 9:167-91, 1969
Action of ribonuclease on growth, synthesis of cell wall and ultrastructure in yeast protoplasts and cells.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Kopecká M, et al.
Antonie van Leeuwenhoek 35:Suppl:B9-10, Jun 69
Effect of ribonuclease on Escherichia coli ribosomes. Delihas N.
Biochem Biophys Res Commun 39:905-10, 5 Jun 70
Nuclease action on Escherichia coli ribosomes and its application to sequence studies on ribosomal ribonucleic acid. Santer M, et al.
Biochemistry 10:1841-8, 11 May 71
Different sensitivity to ribonuclease of complexed and free ribosome. Uchida T, et al.
Biochim Biophys Acta 224:628-30, 14 Dec 70
Nucleases in immunity. II. Ineffectiveness of exogenous RNase on the antibody plaque response of immunized mice. Chakrabarty AK, et al.
Clin Exp Immunol 6:619-25, Apr 70
Ultrastructural investigations of spermatozoa treated with desoxyribonuclease and ribonuclease. Vassileva-Popova Y.
Dokl Bolg Akad Nauk 22:201-3, 1969
Effect of an immunosuppressive serum alpha-2-glycoprotein with ribonuclease activity on the proliferation of human lymphocytes in culture. Milton JD. Immunology 20:205-12, Feb 71
Possibility of a DNA-containing mammary tumour virus in red blood cells of mouse. Nandi S.
Nature [New Biol] 230:146-7, 31 Mar 71
Nature of ribonuclease-resistant nucleic acid of chick embryo cells transformed by Schmidt-Ruppin strain of Rous Sarcoma Virus. Reddi KK.
Nature [New Biol] 229:25-7, 6 Jan 71
Properties of Semliki Forest virus nucleocapsid. 1. Sensitivity to pancreatic ribonuclease. Kääriäinen L, et al. Virology 43:291-9, Jan 71
[Effect of nucleases on tissue culture growth and on the development of chick embryos] Lisovaia SP, et al.
Tsitologiia 13:236-40, Feb 71 (Rus)
[Biochemical and histochemical study of nucleic acids and the enzymes depolymerizing them in cancerous tumor of the larynx before and after the effect of ribonuclease] Veremeenko KN, et al.
Zh Ushn Nos Gorl Bolezn 30:21-9, May-Jun 70 (Rus)
[Ribonuclease effects on rabies fixed virus] Fediuk EA. Mikrobiol Zh 32:744-6, Nov-Dec 70 (Ukr)
[Activation of latent virus of nuclear polyhedrosis in silkworm pupae by nucleases] Karpov AE, et al.
Mikrobiol Zh 32:481-6, May-Jun 70 (Ukr)

RADIATION EFFECTS

Selective photo-oxidation of amino acids in proteins. Scoffone E, et al. Biochem Soc Symp 31:163-70, 1970
Physical parameters of radiations determined from the inactivation of ribonuclease. Marshall M, et al.
Int J Radiat Biol 18:139-46, 1970
[Structural disorders of lysozyme and ribonuclease following gamma-irradiation in a dry state] Kaverzneva ED, et al.
Biofizika 16:581-8, Jul-Aug 71 (Rus)
[Separation of photolysis products of ribonuclease by gel filtration] Komolova GS, et al.
Dokl Akad Nauk SSSR 191:228-30, Mar-Apr 70 (Rus)
[Effect of increased doses of cobalt on ribonuclease, desoxyribonuclease and catalase in vitamin A deficiency] Leutskif KM, et al.
Ukr Biokhim Zh 42:639-44, 1970 (Ukr)

THERAPEUTIC USE

[Results of enzymotherapy in patients with suppurative lung diseases] Struchkov VI, et al.
Grudn Khir 12:47-52, Jul-Aug 70 (Rus)
[Dynamics of specific antibody accumulation in patients with tick-borne encephalitis following ribonuclease therapy] Glukhov BM.
Zh Mikrobiol Epidemiol Immunobiol 47:56-8, Feb 70 (Rus)

RIBONUCLEIC ACID see RNA (D10)

RIBOSE (D11)

Molecular orbital calculations on the conformation of nucleic acids and their constituents. I. Conformational energies of beta-nucleosides with C(3')-and C(2')-endo sugars. Berthod H, et al.
Biochim Biophys Acta 232:595-606, 8 Apr 71
Interaction of ADP-ribosylated aminoacyl-transferase II with GTP and with ribosomes. Montanaro L, et al.
Biochim Biophys Acta 238:493-7, 27 May 71
Study of the interaction of concanavalin A with staphylococcal teichoic acids. Reeder WJ, et al.
J Immunol 106:334-40, Feb 71
Quantum chemical studies on the conformational structure of nucleic acids. I. Extended Hückel calculations on D-ribose phosphate. Govil G, et al.
J Theor Biol 30:621-30, Mar 71
[Ribosidation at N-3 of the silyl derivative of 6-chloro uracil. Preparation of 3-(beta-D-ribofuranosyl)-6-chloro uracil and of 3-(beta-D-ribofuranosyl) uracil ("isouridine")] Pichat L, et al. Bull Soc Chim Fr 5:1833-7, May 70 (Fre)

ADMINISTRATION & DOSAGE

Oral and intravenous D-ribose and plasma insulin in healthy humans: effects of route of administration and of epinephrine and propranolol. Goodman C, et al.
Metabolism 19:1094-103, Dec 70

ANALYSIS

The location of the D-alanyl ester in the ribitol teichoic acid of Staphylococcus aureus. Mireiman D, et al.
Biochem Biophys Res Commun 39:712-7, 22 May 70
The sequence distribution of O-2'-methylribose in yeast ribosomal RNA. Lau RY, et al.
Can J Biochem 49:431-6, Apr 71

BLOOD

Phosphate esters in human erythrocytes. VII. Further evidence for ribose 1,5-diphosphate as a natural metabolite. Vanderheiden BS.
Biochim Biophys Acta 215:242-8, 14 Aug 70
Depletion of erythrocyte phosphoribosylpyrophosphate in man. Fox IH, et al.
N Engl J Med 283:1177-82, 26 Nov 70
[Content of desoxyribose and acid phosphatase activity in the blood serum of patients with infectious arthritis during electrosleep therapy] Gerasimenko VN, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:233-6, May-Jun 70 (Rus)

METABOLISM

A functional role of polyADPR in DNA synthesis. Burzio L, et al.
Biochem Biophys Res Commun 40:1013-20, 10 Sep 70
Mode of inhibition of DNA synthesis induced by adenosine diphosphoribosylation of nuclear protein. Burzio L, et al.
Biochem Biophys Res Commun 42:1185-90, 19 Mar 71
Turnover of the cell wall of Bacillus subtilis W-23 during logarithmic growth. Mauck J, et al.
Biochem Biophys Res Commun 39:699-706, 22 May 70
Studies on the energy metabolism of pig red cells. II. Lactate formation from free ribose and deoxyribose with maintenance of ATP. Kim HD, et al.
Biochim Biophys Acta 230:12-9, 26 Jan 71
In vitro O 2 '-methylation of sugars in E. coli RNA. 3. Methylation of E. coli transfer RNA by heterologous methylases in particulate-free extracts of wheat embryo. Nichols JL, et al.
Can J Biochem 47:863-9, Sep 69
Biosynthesis of the pyrrolopyrimidine nucleoside antibiotic, toyocamycin. VII. Origin of the pyrrole carbons and the cyano carbon. Suhadolnik RJ, et al.
J Biol Chem 245:4365-71, 10 Sep 70
Radioautographic evidence for equatorial wall growth in a gram-positive bacterium. Segregation of choline-3H-labeled teichoic acid. Briles EB, et al.
J Cell Biol 47:786-90, Dec 70
Isolation and characterization of D-ribose-positive revertants of Escherichia coli B-r. Abou-Sabe M.
J Gen Microbiol 65:375-7, Mar 71
Biochemical and genetical studies on ribose catabolism in Escherichia coli K12. Anderson A, et al.
J Gen Microbiol 62:335-9, Aug 70
[Some peculiarities in inosine and ribose-5-phosphate metabolism in myocardium] Golovatskif ID, et al.
Ukr Biokhim Zh 41:141-4, 1969 (Rus)

PHARMACODYNAMICS

Adaptive alterations in Lactobacillus casei. II. Variation in the levels of aldolase in cells grown on glucose and ribose. Kaklij GS, et al.
Arch Biochem Biophys 140:334-40, Oct 70
Inhibition by toyocamycin of RNA synthesis in mammalian cells and in normal and avian tumor virus-infected chick embryo cells. Sverak L, et al.
Biochim Biophys Acta 224:441-50, 14 Dec 70

RIBOSOMES (A11)

Factors affecting ribosomal aggregation in the isolated perfused rat liver. Swan PB, et al.
Am J Clin Nutr 24:777-8, Jul 71
Functional nature of the polysomes as indicated by the influences of insulin-glucose and adrenalectomy-cortisol on rat liver polysomes in vivo. Wittman JS 3d, et al. Am J Clin Nutr 24:770-6, Jul 71
Relation between ribosomes and functional growth in the avian nasal gland. Stewart DJ, et al.
Am J Physiol 219:1819-24, Dec 70
Ribosomes of Saccharomyces cerevisiae, strain LK2G12, and of other yeasts. Chao FC, et al.
Arch Biochem Biophys 141:511-8, Dec 70
Formation and life cycle of ribosomal subunits, mono- and polyribosomes in Bacillus licheniformis. Dijk-Salkinoja MS van, et al.
Arch Biochem Biophys 141:477-88, Dec 70
Polyribosomes from toad bladder epithelium. Rousseau G. Arch Int Physiol Biochim 78:174-5, Feb 70
Models for polyribosomes degradation study. Vassart G, et al. Arch Int Physiol Biochim 78:1013, Dec 70
Sedimentation profiles of rat parotid gland polysomes in sucrose gradients. Enwonwu CO, et al.
Arch Oral Biol 15:1245-54, Dec 70
Optical absorbance properties of mitochondrial ribosomal RNA. Edelman M, et al.
Biochem Biophys Res Commun 42:208-13, 22 Jan 71
Polyribosome profiles from heat synchronized Tetrahymena. Hartman H, et al.
Biochem Biophys Res Commun 40:964-7, 24 Aug 70
A study of bobbed mutants induced by ethyl-methane-sulfonate in Drosophila melanogaster. Marrakechi M, et al.
Biochem Biophys Res Commun 43:273-7, 16 Apr 71
Amounts of free 70S ribosomes and ribosomal subunits found in Escherichia coli at various temperatures. Uchida T, et al.
Biochem Biophys Res Commun 41:1048-54, 25 Nov 70
Hybrid 80S monomers formed from subunits of ribosomes from protozoa, ungi, plants, and mammals. Martin TE, et al. Biochem Genet 4:603-15, Oct 70
Free and membrane-bound polyribosomes in normal and Rauscher-virus-infected mouse spleen cells. Burghouts JT, et al. Biochem J 119:749-56, Oct 70
The effect of hypermethylation on the functional properties of transfer ribonucleic acid. Ribosome-binding and polypeptide synthesis. Hay J, et al. Biochem J 119:587-93, Sep 70
Electron microscopy of polyribosomes synthesizing immunoglobulin chains. Comparison with sizes determined by density-gradient-sedimentation data. Petris S de. Biochem J 118:385-9, Jul 70
Unfolding of the 30S ribosomal subunit of Escherichia coli and the conformation of the unfolded subunit. Parallel sedimentation and optical rotatory dispersion studies. Eilam Y, et al.
Biochemistry 10:1489-95, 13 Apr 71
Nucleotide distribution of Escherichia coli 16S ribosomal ribonucleic acid. Muto A.
Biochemistry 9:3683-94, 15 Sep 70
Retention of common nucleotide sequences in the ribosomal deoxyribonucleic acid of eukaryotes and some of their physical characteristics. Sinclair JH, et al. Biochemistry 10:2761-9, 6 Jul 71
Chromosome activity and cell function in polytenic cells. IV. Polyribosomes and their sensitivity to actinomycin. Clever U, et al.
Biochim Biophys Acta 217:108-19, 17 Sep 70
Chloroplast ribosomes in the proplastids of Euglena gracilis. Hirvonen AP, et al.
Biochim Biophys Acta 232:696-704, 8 Apr 71
Effect of 5'-substitution on the template activity of oligo-nucleotides for the binding of valine and alanine tRNA to ribosomes. Holý A, et al.
Biochim Biophys Acta 217:332-45, 15 Oct 70
A DNA-like RNA fraction in the posterior silkgland of the wax moth, Galleria mellonella (L.). Ishikawa H, et al. Biochim Biophys Acta 232:661-70, 8 Apr 71
Synthesis of precursor molecules of ribosomal RNA in the cellular slime mold Dictyostelium discoideum. Iwabuchi M, et al.
Biochim Biophys Acta 228:693-700, 11 Feb 71
Molecular hybridization of 3H-labelled ribosomal RNA with DNA in ultrathin sections prepared for electron microscopy. Jacob J, et al.
Biochim Biophys Acta 228:761-6, 11 Feb 71
Interaction of bacterial ribosomes with bentonite. Kaiser II, et al.
Biochim Biophys Acta 232:388-402, 11 Mar 71
The production of ribosomal RNA from high molecular weight precursors. II. Demonstration of an exonuclease in isolated nucleoli. Kelley DE, et al.
Biochim Biophys Acta 238:357-62, 13 May 71
Isolation and properties of polysomes from human placenta. Laga EM, et al.
Biochim Biophys Acta 213:391-400, 8 Aug 70
Extraction with Triton X-100 of active polysomes from monolayer cultures of embryonic muscle cells. Morse RK, et al. Biochim Biophys Acta 232:403-9, 11 Mar 71
The isolation of polysomes from rat liver. Contamination of polysomes by ribonucleoprotein of nuclear origin. Olsnes S.
Biochim Biophys Acta 213:149-58, 16 Jul 70
The isolation of polysomes from rat liver. Contamination by membrane proteins with high affinity to ribosomes. Olsnes S.
Biochim Biophys Acta 232:705-16, 8 Apr 71
Segments of 28-S RNA protected from pancreatic ribonuclease by interaction with ribosomal proteins. Petrović S, et al.
Biochim Biophys Acta 217:95-107, 17 Sep 70
Proteins of cytoplasmic, chloroplast, and mitochondrial ribosomes of some plants. Vasconcelos AC, et al.
Biochim Biophys Acta 228:492-502, 28 Jan 71
Simulation of polyribosome disaggregation. Vassart GM, et al. Biochim Biophys Acta 224:155-64, 12 Nov 70
Decay of transfer and total RNA in maturing reticulocytes. Zehavi-Willner T, et al.
Biochim Biophys Acta 238:439-46, 27 May 71
Influence of the 30S ribosomal subunit on the peptidyl transferase activity of the 50S ribosomal subunit from Escherichia coli. Berman ML, et al.
Biochimie 53:233-42, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Biosynthesis of ribosomes in E. coli. I. Properties of ribosomal precursor particles and their RNA components. Hayes F, et al. Biochimie 53:369-82, 1971
Physicochemical and light scattering studies on ribosome particles. Scafati AR, et al. Biophys J 11:370-84, Apr 71
Magnesium binding to yeast ribosomes. Walters JA, et al. Biopolymers 10:11-20, 1971
Ribosome-like particles in myelinated axons of the rat. Zelená J. Brain Res 24:359-63, 1 Dec 70
Decoding site of initiator transfer RNA. Zagorska L, et al. Bull Acad R Med Belg 9:63-70, 1969
Relation of polysome structure to ribonuclease and ribonuclease inhibitor activities in livers of magnesium-deficient guinea pigs. Grace ND, et al. Can J Biochem 48:21-6, Jan 70
The 3'-hydroxyl termini in yeast ribosomal RNA. Olver KM, et al. Can J Biochem 48:1113-21, Oct 70
The effect of the Mg2+ concentration on the sedimentation coefficient of ribosomes from rat liver. Bont WS, et al. Eur J Biochem 19:211-7, 11 Mar 71
Different species of 70S ribosomes of Escherichia coli and their dissociation into subunits. Duin J van, et al. Eur J Biochem 17:433-40, Dec 70
Characterization of a 72 S mitochondrial ribosome from Saccharomyces cerevisiae. Schmitt H. Eur J Biochem 17:278-83, Dec 70
Partial enzymic digestion of 50S ribosomal subunits from Escherichia coli. Spencer ME, et al. Eur J Biochem 19:451-6, 30 Apr 71
Isolation of the ribosomal RNA genes of Salmonella typhimurium. Udvardy A, et al. Eur J Biochem 20:513-7, 29 Jun 71
Polyribosomes from L cells. Dowben RM, et al. Exp Cell Res 58:167-9, Nov 69
Localization and conformation of polyribosomes bound to chloroplast lamellae. Philippovich II, et al. Exp Cell Res 62:399-406, Oct 70
Polyribosomes of Drosophila melanogaster. Isolation and characterization. Stafford DW, et al. Exp Cell Res 64:29-34, Jan 71
Structural and functional changes in polysomes from ischemic livers. Ragnotti G, et al. Exp Mol Pathol 13:295-308, Dec 70
Nuclear pore flow rates of ribonucleic acids in the mature rat hepatocyte. Franke WW, et al. Experientia 27:372-3, 15 Apr 71
Characterization of ribosomes of a strain of Streptomyces aureofaciens producing chlortetracycline. Mikulík K, et al. Folia Microbiol (Praha) 16:24-30, 1971
Formation of crystalline ribosomal arrays in cultured chick embryo dorsal root ganglia. Birks RI, et al. J Anat 109:143-56, May 71
Rate of ribosome production in Bacillus licheniformis. Dijk-Salkinoja MS van, et al. J Bacteriol 105:20-7, Jan 71
Variation in the proportion of 50S and 30S ribosomal subunits at different growth rates. Michaels GA. J Bacteriol 107:385-7, Jul 71
Ribosomal helices: formation in Escherichia coli during acidic growth. Nauman RK, et al. J Bacteriol 107:358-60, Jul 71
Gene dosage for 5S ribosomal ribonucleic acid in Escherichia coli ad Bacillus megaterium. Pace B, et al. J Bacteriol 105:142-9, Jan 71
Homology of ribosomal ribonucleic acid of Desulfovibrio species with Desulfovibrio vulgaris. Pace B, et al. J Bacteriol 106:717-9, Jun 71
Thermally induced intracellular alteration of ribosomal ribonucleic acid. Rosenthal LJ, et al. J Bacteriol 103:833-5, Sep 70
Preparation of biologically active ribosomal subunits from fungal spores. Van Etten JL. J Bacteriol 106:704-6, May 71
Characteristic patterns observed in electron microscopic photos of negatively stained yeast 80S ribosomes. Funakoshi H, et al. J Biochem (Tokyo) 70:201-4, Jul 71
Effect of tetranucleoside triphosphates on the binding of aminoacyl transfer RNA to ribosomes. Saito M, et al. J Biochem (Tokyo) 69:977-81, May 71
Control of synthesis and wastage of ribosomal ribonucleic acid in lymphocytes. II. The role of protein synthesis. Cooper HL, et al. J Biol Chem 246:5059-66, Aug 71
Subunit recycling during translation in a reticulocyte cell-free system. Howard GA, et al. J Biol Chem 245:6237-9, 25 Nov 70
Isolation and partial characterization of reticulocyte factors M1 and M2. Shafritz DA, et al. J Biol Chem 245:5553-9, 10 Nov 70
Factors controlling development of chick embryo liver cells during organ culture. Benzo CA, et al. J Cell Biol 48:235-47, Feb 71
Sites of cytoplasmic ribonucleoprotein-filament assembly in relation to helical body formation in axenic trophozoites of Entamoeba histolytica. Kress Y, et al. J Cell Biol 49:773-84, Jun 71
Attachment of ribosomes to membranes during polysome formation in mouse sarcoma 180 cells. Lee SY, et al. J Cell Biol 49:683-91, Jun 71
The density of ribosomes bearing messenger RNA in phage-infected and normal bacteria. Fenwick ML. J Cell Sci 8:649-58, May 71
Isolation and partial characterization of amphibian tyrosine oxidase polysomes. Triplett EL, et al. J Embryol Exp Morphol 24:109-18, Aug 70
Analysis of ribosomes and polysomes derived from rabbit mammary glands during pregnancy and lactation. Herriman ID, et al. J Endocrinol 49:667-76, Apr 71
Changes in the ribosomes extracted from Mung beans infected with a strain of tobacco mosaic virus. McCarthy D, et al. J Gen Virol 9:9-17, Oct 70
Influence of mating upon ribosomal RNA synthesis and EGG production in Drosophila melanogaster. Mohan J. J Insect Physiol 17:1061-4, Jun 71
Protein synthesis in the hair follicle. II. Polysomes and amino acid incorporation. Clarke RM, et al. J Invest Dermatol 55:425-32, Dec 70
Studies of fractionated HeLa cell metaphase chromosomes. II. chromosomal distribution of sites for transfer RNA and 5 s RNA. Aloni Y, et al. J Mol Biol 56:555-63, 28 Mar 71
Properties of hybrid ribosomes formed from the subunits of mesophilic and thermophilic bacteria. Altenburg LC, et al. J Mol Biol 55:487-502, 14 Feb 71
Isolation of ribosome microcrystals. Barbieri M, et al. J Mol Biol 54:121-4, 28 Nov 70
Studies on the structure of ribosomes. IV. Participation of aminoacyl-transfer RNA and peptidyl-transfer RNA in the association of ribosomal subparticles. Belitsina NV, et al. J Mol Biol 52:45-55, 28 Aug 70
Drug dependence reversed by a ribosomal ambiguity mutation, ram, in Escherichia coli. Bjare U, et al. J Mol Biol 57:423-35, 14 May 71
Biosynthesis and distribution of ribosomal particles in the cellular slime mould, Dictyostelium purpureum. Ceccarini C, et al. J Mol Biol 54:33-44, 28 Nov 70
Comparative studies on mitochondrial and cytoplasmic ribosomes of Tetrahymena pyriformis. Chi JC, et al. J Mol Biol 53:531-56, 14 Nov 70
Formation of 61 s and 70 s particles from ribosomal subunits of Escherichia coli. Diggelen OP van, et al. J Mol Biol 55:277-81, 28 Jan 71
Studies on the role of 23 s nucleolar RNA as an intermediate in the synthesis of 18 s ribosomal RNA. Egawa K, et al. J Mol Biol 56:565-77, 28 Mar 71
Localization and characterization of the ribosomal RNA cistrons in Sciara coprophila. Gerbi SA. J Mol Biol 58:499-511, 14 Jun 71
Proportion of HeLa cell genome complementary to transfer RNA and 5 s RNA. Hatlen L, et al. J Mol Biol 56:535-53, 28 Mar 71
Effects of solvent environment and mode of preparation on the physical properties of ribosomes fron Escherichia coli. Hill WE, et al. J Mol Biol 53:107-21, 14 Oct 70
Isolation and biological activity of mammalian helical polyribosomes. Monneron A, et al. J Mol Biol 57:335-50, 28 Apr 71
Inhibition of the processing of ribosomal precursor RNA by intercalating agents. Snyder AL, et al. J Mol Biol 58:555-65, 14 Jun 71
Ribosomal proteins and the conformation of ribosomal ribonucleic acid. Sypherd PS. J Mol Biol 56:311-8, 14 Mar 71
Ribosome activation and the binding of dihydrostreptomycin: effect of polynucleotides and temperature on activation. Vogel Z, et al. J Mol Biol 54:379-86, 14 Dec 70
Role of magnesium in the binding of tetracycline to Escherichia coli ribosomes. White JP, et al. J Mol Biol 58:397-400, 28 May 71
Polyribosome formation in relation to accumulation of plasma cells. La Via MF, et al. J Reticuloendothel Soc 9:1-12, Jan 71
Experimental salmonellosis: differential passive transfer of immunity with serum and cells obtained from ribosomal and ribonucleic acid-immunized mice. Venneman MR, et al. J Reticuloendothel Soc 9:491-502, May 71
ART and the ribosome: a preliminary report on the three-dimensional structure of individual ribosomes determined by an algebraic reconstruction technique. Bender R, et al. J Theor Biol 29:483-7, Dec 70
Cellular adaptation in rat liver. II. Polysome structure and DNA synthesis after albumin depletion and partial hepatectomy. Hill RB Jr, et al. Lab Invest 24:325-30, Apr 71
Polysome profile and change in total ribosomal mass in rat heart during progressive thiamine deficiency. Wu BC, et al. Life Sci [II] 10:541-51, 22 May 71
Lack of correlation between in vivo amino acid incorporation and polysomal aggregation in rat liver. Wittman JS 3d, et al. Metabolism 20:141-8, Feb 71
Chromosomal location of ribosomal RNA cistrons in Escherichia coli. Gorelic L. Mol Gen Genet 106:323-7, 1970
Identification of ten genes that control ribosome formation in yeast. Hartwell LH, et al. Mol Gen Genet 109:42-56, 1970
Chemical and genetic analysis of 16S ribosomal RNA in Escherichia coli. Muto A, et al. Mol Gen Genet 111:15-21, 1971
Molecular interactions of ribosomal components. I. Identification of RNA binding sites for individual 30S ribosomal proteins. Schaup HW, et al. Mol Gen Genet 109:193-205, 1970
Structure of the large -chain polyribosome of rabbit reticulocytes rendered isoleucine-deficient by O-methylthreonine. Freedman ML, et al. Mol Pharmacol 7:317-22, May 71
Streptomycin resistance and the study of ribosomal structure and function. Davis BD. N Engl J Med 283:1405-7, 17 Dec 70
Reconstitution of 50S ribosomal subunits from dissociated molecular components. Nomura M, et al. Nature (Lond) 228:744-8, 21 Nov 70
Specific ribonucleoprotein fragment from the 30S subunit of E. coli ribosomes. Brimacombe R, et al. Nature [New Biol] 231:209-12, 16 Jun 71
Preservation of functional mammalian polysomes by lyophilization. Christman JK, et al. Nature [New Biol] 230:272-4, 28 Apr 71
Regulation of the synthesis and the stability of ribosomal RNA during contact inhibition of growth. Emerson CP. Nature [New Biol] 232:101-6, 28 Jul 71
Silver plated ribosomes. Hardy SJ, et al. Nature [New Biol] 232:153-3, 4 Aug 71
Translation of rabbit haemoglobin messenger RNA by thalassaemic and non-thalassaemic ribosomes. Nienhuis AW, et al. Nature [New Biol] 231:205-8, 16 Jun 71
Nutritional effects on polyribosome distribution and protein synthesis in cultured cells. Nutr Rev 29:184-8, Aug 71
Release, identification, and isolation of messenger RNA from mammalian ribosomes. Biobel G. Proc Natl Acad Sci USA 68:832-5, Apr 71
Topography of the Escherichia coli 30S ribosomal subunit and streptomycin binding. Chang FN, et al. Proc Natl Acad Sci USA 67:1321-8, Nov 70
Three-dimensional organization of the 30S ribosomal proteins from Escherichia coli. I. Preliminary classification of the proteins. Craven GR, et al. Proc Natl Acad Sci USA 67:1329-36, Nov 70
Altered methylation of ribosomal RNA in an erythromycin-resistant strain of Staphylococcus aureus. Lai CJ, et al. Proc Natl Acad Sci USA 68:856-60, Apr 71
Conformational changes in ribosomes during protein synthesis. Schreier MH, et al. Proc Natl Acad Sci USA 68:805-9, Apr 71
In vitro and in vivo protein synthesis in Candida albicans. 2. Dissociation properties of ribosomes. Yamaguchi H, et al. Sabouraudia 8:189-200, Nov 70
Hybrid ribosome formation from Escherichia coli and chloroplast ribosome subunits. Lee SG, et al. Science 173:241-2, 16 Jul 71
Organelle integration and the evolution of ribosome structure and function. Noll H. Symp Soc Exp Biol 23:419-47, 1970
Ultrastructural organization and RNA labelling of hepatic ribosomes in rats fed on diets deficient in essential amino acids. Stenram U. Virchows Arch [Zellpathol] 8:124-32, 1971
Messenger activity of sendai virus ribonucleoprotein in a cell free protein-synthesizing system. Bukrinskaya AG, et al. Virology 42:508-21, Oct 70
Polysomal ribonucleic acid of vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al. Virology 42:958-68, Dec 70
[Development of polyribosomes during maturation of reticulocytes in vivo] Huez G, et al. Arch Int Physiol Biochim 78:593-5, Aug 70 (Fre)
[Saccharomyces cerevisiae rRNA in water-formamide mixtures] Navez-Ploumhans MT, et al. Arch Int Physiol Biochim 78:1007-8, Dec 70 (Fre)
[Dissociation and reconstitution of yeast ribosomes] Schoentjes M, et al. Arch Int Physiol Biochim 78:175-7, Feb 70 (Fre)
[Properties of Euglena gracilis ribosomes and ribosomal RNA] Heizmann P. Biochim Biophys Acta 224:144-54, 12 Nov 70 (Fre)
[Peptidyl-tRNA hydrolase: demonstration in various organisms. Enzymatic activity in the presence of ribosomes] Brun G, et al. Biochimie 53:225-31, 1971 (Fre)
[Disposition of polyribosomes during bacterial division in Escherichia coli K12] Mercier M, et al. C R Acad Sci [D] (Paris) 272:2979-81, 7 Jun 71 (Fre)
[Demonstration of the differentiation of ribosomal particles from cytoplasmic ribosomes by size and their nucleic acids in mammalian cell mitochondria] Houssais JF. Eur J Biochem 18:401-6, 1 Feb 71 (Fre)
[Ribosome membrane relationship and ribosomal substructures in intact rat liver cells] David H, et al. Acta Biol Med Ger 25:343-50, 1970 (Ger)
[Behavior and distribution of membrane-bound ribosomes and polysomes in neurons of the CNS of guinea pigs. II. Quantitative mathematical-statistical results] David H, et al. Acta Biol Med Ger 25:859-70, 1970 (Ger)
[Behavior and distribution of membrane-bound ribosomes and polysomes in neurons of the CNS of guinea pigs. I. Qualitative electron microscopic results] David H, et al. Acta Biol Med Ger 25:645-57, 1970 (Ger)
[Electronmicroscopic studies on the structure of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

negatively contrasted rat liver ribosomes] Wahn K, et al. Acta Biol Med Ger 25:723-7, 1970 (Ger)
[Glycogen and endoplasmic reticulum of the liver cell after high doses of the carcinogen N-nitrosomorpholin] Theodossiou A, et al. Virchows Arch [Zellpathol] 7:126-46, 1971 (Ger)
[Mitochondrial ribosomes of rat liver. I. Hybridization of RNA extracted from mitochondrial ribosomes with mitochondrial DNA] Saccone C, et al. Boll Soc Ital Biol Sper 46:609-12, 15 Jul 70 (Ita)
[Rat liver mitochondrial ribosomes. II. Characterization of the RNA extracted from mitochondrial ribosomes] Saccone C, et al. Boll Soc Ital Biol Sper 47:54-8, 30 Jan 71 (Ita)
[Dissociation of ribosomes from animal cells into 50S and 30S subunits] Fais D, et al. Biokhimiia 35:1131-8, Nov-Dec 70 (Rus)
[Structural organization of the protein synthesizing system of chloroplasts] Filippovich II, et al. Biokhimiia 35:247-56, Mar-Apr 70 (Rus)
[Stability of polynucleotide chains of ribosomal RNA] Mikhaflova IIu, et al. Dokl Akad Nauk SSSR 184:232-4, Jan 69 (Rus)
[Postribosomal RNA-containing particles of cytoplasm of animal cells according to CsCl density gradient centrifugation data] Ovchinnikov LP, et al. Dokl Akad Nauk SSSR 186:1202-5, 11 Jun 69 (Rus)
[Ribosomes of different location in the thermophilic microorganism Bacillus coagulans] Kaliuzhnaia AP, et al. Mikrobiologiia 38:842-7, Sep-Oct 69 (Rus)
[Ribonucleoprotein particles in cytoplasmic extracts of animal cells] Ovchinnikov LP, et al. Usp Sovrem Biol 71:3-17, Jan-Feb 71 (47 ref.) (Rus)
[Formation of early and late polyribosomes and the template activity of viral ribonucleoprotein] Bukrinskaia AG, et al. Vestn Akad Med Nauk SSSR 26:26-32, 1971 (Rus)

ANALYSIS

A protein fraction from rat liver ribosomes stimulating initiation of polyphenylanine synthesis at lor Mg++ concentration. Grummt F. Acta Biol Med Ger 24:K55-60, 1970
Rapid isolation of insect ribosomal subunits by ethanol-magnesium precipitation. Kaulenas MS. Anal Biochem 41:126-31, May 71
Equivolumetric gradients for zonal rotors: separation of ribosomes. Pollack MS, et al. Anal Biochem 42:38-47, Jul 71
Analysis of blue-green and red algal ribosomal-RNAs by gel electrophoresis. Howland GP, et al. Arch Mikrobiol 76:292-8, 1971
Adenylate-rich oligonucleotides of ribosomal and ribosomal precursor RNA from HeLa cells. Birnboim HC, et al. Biochem Biophys Res Commun 42:1169-75, 19 Mar 71
Heterogeneity of reticulocyte ribosomes. Burka ER, et al. Biochem Biophys Res Commun 42:801-5, 5 Mar 71
Thiolated bases in ribosomal RNA of E. coli. Cotter RI, et al. Biochem Biophys Res Commun 39:766-73, 22 May 70
Isolation and characterization of histone f1 in ribosomes. Gurley LR, et al. Biochem Biophys Res Commun 40:428-36, 27 Jul 70
Evidence that species of RNA found in rat liver mitochondria preparations are associated with purified cytoplasmic ribosomes. Malkin LI. Biochem Biophys Res Commun 43:787-92, 21 May 71
The ribosomal subunits of hamster cell mitochondria. Montenecourt BS, et al. Biochem Biophys Res Commun 41:458-63, 23 Oct 70
Terminal-sequence studies of high-molecular-weight ribonucleic acid. The 3'-termini of rabbit reticulocyte ribosomal RNA. Hunt JA. Biochem J 120:353-63, Nov 70
Separation of Escherichia coli ribosomal ribonucleic acids by reversed-phase chromatography. Egan BZ, et al. Biochemistry 10:1890-4, 11 May 71
Characterization of sea urchin ribosomal satellite deoxyribonucleic acid. Patterson JB, et al. Biochemistry 10:2775-9, 6 Jul 71
Stoichiometry of the 30S ribosomal proteins of Escherichia coli. Voynow P, et al. Biochemistry 10:517-24, 2 Feb 71
Circular dichroism of Escherichia coli ribosomes: effect of heating and metal ions. Adler AJ, et al. Biochim Biophys Acta 213:424-36, 8 Aug 70
An apparent identity of 5-S RNA from free and membrane-bound reticulocyte ribosomes. Christman JK, et al. Biochim Biophys Acta 217:346-55, 15 Oct 70
Effects of fertilization on the ribosomal subunit pool of sea urchin eggs. Jenkins KD, et al. Biochim Biophys Acta 217:206-8, 17 Sep 70
A study of the atypical ribosomal RNA components of Rhodopseudomonas spheroides. Robinson A, et al. Biochim Biophys Acta 238:99-115, 29 Apr 71
Diethyl pyrocarbonate, a new tool in the chemical modification of nucleic acids? Solymosy F, et al. Biochim Biophys Acta 238:406-16, 27 May 71
RNA from free and membrane-bound rat liver ribosomes. Lechner MC. Bull Soc Chim Biol (Paris) 52:1532-4, 1970
The distribution of ribosomes and ribosomal subunits in mammalian tissue with special reference to skeletal muscle. Pollack MS, et al. Bull Soc Chim Biol (Paris) 52:891-903, 1970
The sequence distribution of O-2'-methylribose in yeast ribosomal RNA. Lau RY, et al. Can J Biochem 49:431-6, Apr 71
Identification of large sized polyribosomes in bovine thyroid glands. De Nayer P, et al. Endocrinology 88:783-6, Mar 71
Binding sites of ribosomal proteins on two specific fragments derived from Escherichia coli 50 S ribosomes. Allet B, et al. Eur J Biochem 19:250-5, 11 Mar 71
Physico-chemical properties of mitochondrial ribosomal RNA from fungi. Edelman M, et al. Eur J Biochem 19:372-8, Apr 71
Characterization of the messenger ribonucleoprotein released from reticulocyte polyribosomes by EDTA treatment. Lebleu B, et al. Eur J Biochem 19:264-9, 11 Mar 71
Isolation and properties of crystalline initiation factor F1 from Escherichia coli ribosomes. Lee-Huang S, et al. Eur J Biochem 18:536-43, Feb 71
Subribosomal particles separated from liver and hepatoma homogenates with a zonal rotor. Mullock BM, et al. Eur J Biochem 18:485-95, Feb 71
Characterization of the complex containing rapidly labelled RNA in EDTA-treated polyribosomes from rat liver. Olsnes S. Eur J Biochem 18:242-51, Jan 71
Enzymic purification of a hybrid between ribosomal ribonucleic acid and deoxyribonucleic acid. Spadari S, et al. Eur J Biochem 19:294-300, 11 Mar 71
A comparison of nucleotide sequences from mitochondrial and cytoplasmic ribosomal RNA of Aspergillus nidulans. Verma IM, et al. Eur J Biochem 19:124-9, 1 Mar 71
Lability of 26 S ribosomal RNA in Tetrahymena pyriformis. Bostock CJ, et al. Exp Cell Res 66:260-2, May 71
Immunoglobun, protein and nucleic acid synthesis in cultured myeloma cells. Kimmel CB. Exp Cell Res 65:202-8, Mar 71
On the inheritance of rDNA of magnified bobbed loci in D. melanogaster. Henderson A, et al. Genetics 66:463-73, Nov 70
Ribosomal RNA in avian leukosis virus particles. Obara T, et al. Int J Cancer 7:535-46, 15 May 71
Ribosomal subunits from rat liver. Isolation and recombination into active ribosomal particles. Borghetti AF, et al. Ital J Biochem 19:397-416, Nov-Dec 70
Differentiation of the ribosomal protein compositions in the genus Escherichia and its related bacteria. Osawa S, et al. J Bacteriol 107:168-78, Jul 71
Small ribosomal ribonucleic acid species of Saccharomyces cerevisiae. Udem SA, et al. J Bacteriol 105:101-6, Jan 71
Conformational changes of ribosomal subunits of Dictyostelium discoideum by salts. Ito K, et al. J Biochem (Tokyo) 69:1135-8, Jun 71
Characterization of ribosomes in the cellular slime mold, Dictyostelium discoideum. Iwabuchi M, et al. J Biochem (Tokyo) 68:549-59, Oct 70
The general occurrence of 55 S ribosomes in mammalian liver mitochondria. O'Brien TW. J Biol Chem 246:3409-17, 25 May 71
Purification of peptidyl transfer ribonucleic acid from rabbit reticulocyte ribosomes. Slabaugh RC, et al. J Biol Chem 245:6182-9, 25 Nov 70
Drosophila polyribosomes. The characterization of two populations by cell fractionation and isotopic labeling with nucleic acid and protein precursors. Boshes RA. J Cell Biol 47:477-90, Sep 70
Studies on the structure and cellular location of various ribosome and ribosomal RNA species in the green alga Chlamydomonas reinhardi. Bourque DP, et al. J Cell Sci 8:153-83, Jan 71
Silver staining of ribosomal proteins. Smith JW, et al. J Cell Sci 9:253-69, Jul 71
Effect of the chemosterilant P,P'-bis(1-aziridinyl)-N-(3-methoxypropyl)-phosphinothioic acid on ribosomal RNA and ribosomal protein in the eggs of house flies. Gadallah AI, et al. J Econ Entomol 64:371-4, Apr 71
Ribosomes in normal and giant placentae. Butterstein GM, et al. J Endocrinol 48:473-4, Nov 70
DNA content, ribosomal gene multiplicity, and cell size in fish. Pedersen RA. J Exp Zool 177:65-78, May 71
Relationship between rhapidosome and pyocin in Pseudomonas fluorescens. Amako K, et al. J Gen Microbiol 62:107-12, Jul 70
The structure of the ribosome. Walker IO. J Gen Microbiol 63:2-3, Nov 70
Polysomal distribution of late bacteriophage T4 messenger RNA. Adesnik M, et al. J Mol Biol 54:155-8, 28 Nov 70
Isolation of mutants of Escherichia coli lac king 5-methyluracil in transfer ribonucleic acid or 1-methylguanine in ribosomal RNA. Björk GR, et al. J Mol Biol 51:83-100, 14 Jul 70
A procedure for gene purification: the purification of the ribosomal RNA genes of Bacillus subtilis as DNA-RNA hybrids. Colli W, et al. J Mol Biol 51:657-69, Aug 70
Intracellular distribution of ribosomes and polyribosomes in Bacillus megaterium. Cundliffe E. J Mol Biol 52:467-81, 28 Sep 70
Composition and structure of chromosomal and amplified ribosomal DNA's of Xenopus laevis. Dawid IB, et al. J Mol Biol 51:341-60, 28 Jul 70
Low molecular weight ribonucleic acid in rabbit reticulocyte ribosomes. King HW, et al. J Mol Biol 51:687-702, Aug 70
Ribonucleoprotein complexes containing messenger ribonucleic acid from rat liver polyribosomes: analysis of conditions of their appearance after diaminoethane tetra-acetic acid treatment of polyribosomes. Leytin VL, et al. J Mol Biol 51:727-31, Aug 70
Liver polysome patterns of rats fed amino acid imbalanced diets. Pronczuk AW, et al. J Nutr 100:1249-58, Nov 70
Influence of acute nutritional stress on polyribosomes and protein synthesis in brain and liver of young rats. Reid IM, et al. J Nutr 100:1149-55, Oct 70
Restricted degradation of RNA in rat liver ribosomes. Dessev GN, et al. Life Sci [II] 9:1181-7, 22 Oct 70
Non-random differences in the base composition of chloroplas and cytoplasmic ribosomal RNA from some higher plants. Rossi L, et al. Life Sci [II] 9:1401-7, 22 Dec 70
Genetic studies of the ribosomal proteins in Escherichi coli. VI. Determination of chromosomal loci for several ribosomal protein components using a hyrid strain between Escherchia coli and Salmonell typhimurium. Dekio S, et al. Mol Gen Genet 109:131-41, 1970
Genetic studies of the ribosomal proteins in Escherichia coli. IV. Pattern of the alteration of ribosomal protein components in mutants resistant to spectinomycin or erythromycin in different strains of Escherichia coli. Dekio S, et al. Mol Gen Genet 107:39-49, 1970
Ribosomal proteins. XVI. Altered S4 proteins in Escherichia coli revertants from streptomycin dependence to independence. Deusser E, et al. Mol Gen Genet 109:298-302, 1970
Ribosomal proteins. XVII. Comparative studies on ribosomal proteins of four strains of Escherichia coli. Kaltschmidt E, et al. Mol Gen Genet 109:303-8, 1970
Ribosomal proteins. XV. Amino acid compositions of isolated ribosomal proteins from 30S and 50S subunits of Escherichia coli. Kaltschmidt E, et al. Mol Gen Genet 109:292-7, 1970
The ribosomal proteins of Drosophila melanogaster. I. Characterization in polyacrylamide gel of proteins from larval, adult, and ammonium chloride-treated ribosomes. Lambertsson AG, et al. Mol Gen Genet 108:349-57, 1970
Genetic studies of the ribosomal proteins in Escherichia coli. 3. Compositions of ribosomal proteins in various strains of Escherichia coli. Osawa S, et al. Mol Gen Genet 107:32-8, 1970
Ribosomal proteins. XIX. Altered S5 ribosomal protein in an Escherichia coli revertant from strptomycin dependence to independence. Stöffler G, et al. Mol Gen Genet 111:334-41, 1971
Genetic studies of he ribosomi proteis in Escherichaoli. V. Mapp-ing of erythromycin resistance mutations which lea to alteration of a 50s ribosomal protein component. Takata R, et al. Mol Gen Genet 109:123-30, 1970
Studies on proteins of animal ribosomes. VII. Isolation of proteins from rat liver ribosomes, their molecular weights, amino acid compositions and secondary structure. Westermann P, et al. Mol Gen Genet 111:224-34, 1971
Correlation of 30S ribosomal proteins of Escherichia coli isolated in different laboratories. Wittmann HG, et al. Mol Gen Genet 111:327-33, 1971
Purification and properties of initiation factor F3. Sabol S, et al. Nature (Lond) 228:1289-73, 26 Dec 70
Ribosomes, bound and unbound. Nature (Lond) 232:84, 9 Jul 71
Mitochondrial ribasome in HeLa cells. Attardi G, et al. Nature [New Biol] 229:133-6, 3 Feb 71
Assembly of membrane-bound polyribosomes. Baglioni C, et al. Nature [New Biol] 232:8-12, 7 Jul 71
Sequence studies on precursor 16S ribosomal RNA of Escherichia coli. Brownlee GG, et al. Nature [New Biol] 232:50-2, 14 Jul 71
Additional nucleotide sequences in precursor 16S ribosomal RNA from Escherichia coli. Hayes F, et al. Nature [New Biol] 232:54-5, 14 Jul 71
Absence of a 5S RNA compinent in the mitochondrial ribosomes of Neurospora crassa. Lizardi PM, et al. Nature [New Biol] 229:140-2, 3 Feb 71
Structural differences between the 16S ribosomal RNA of E. coli and its precursor. Lowry CV, et al. Nature [New Biol] 232:52-4, 14 Jul 71
Primary structural relationship of p16 to m16 ribosomal RNA. Sogin M, et al. Nature [New Biol] 232:48-9, 14 Jul 71
Two types of ribosome in mouse-hamster hybrid cells. Stanness CP, et al. Nature [New Biol] 230:52-4, 10 Mar 71
Puzzle of mitochondrial ribosomes. Nature [New Biol] 229:129-30, 3 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ribonucleoprotein particles in cytoplasmic extracts of animal cells. Ovchinnikov LP, et al. Naturwissenschaften 57:514-21, Nov 70

Drastic alteration of ribosomal RNA and proteins in showdomycin-resistant Escherichia coli. Beljanski M, et al. Proc Natl Acad Sci USA 68:491-5, Feb 71

Chick embryo ribosome crystals: analysis of bonding and functional activity in vitro. Byers B. Proc Natl Acad Sci USA 68:440-4, Feb 71

Ribosomal proteins. 8. Molecular weights of isolated ribosomal proteins of Escherichia coli. Dzionara M, et al. Proc Natl Acad Sci USA 67:1909-13, Dec 70

Ribosomal proteins. XII. Number of proteins in small and large ribosomal subunits of Escherichia coli as determined by two-dimensional gel electrophoresis. Kaltschmidt E, et al. Proc Natl Acad Sci USA 67:1276-82, Nov 70

Analysis of the helical ribosome structures of Mycoplasma gallisepticum. Maniloff J. Proc Natl Acad Sci USA 68:43-7, Jan 71

Characterization of mitochondrial ribosomes from yeast. Moriooto H, et al. Proc Natl Acad Sci USA 68:324-8, Feb 71

Structure and function of bacterial ribosomes. XI. Dependence of 50S ribosomal assembly on simultaneous assembly of 30S subunits. Nashimoto H, et al. Proc Natl Acad Sci USA 67:1440-7, Nov 70

The mitochondrial ribosome of Xenopus laevis. Swanson RF, et al. Proc Natl Acad Sci USA 68:117-24, May 70

Secondary structure of ribosomal RNA. Hartman KA, et al. Science 170:740-1, 13 Nov 70

The properties of chloroplast ribosomal-RNA. Ingle J, et al. Symp Soc Exp Biol 23:303-25, 1970

Comparison of polysomal structures of uninfected and poliovirus infected HeLa cells. Roumiantzeff M, et al. Virology 44:239-48, May 71

[Polysomes and messenger RNA of cells of avian viral leukemia] Verger C, et al. Ann Inst Pasteur (Paris) 119:384-96, Sep 70 (Fre)

[Distribution of ribosomes on rat liver microsomal membranes] Wibo M. Arch Int Physiol Biochim 78:1019-20, Dec 70 (Fre)

[Partial extraction of proteins from rat liver ribosomes by different monovalent cations. Properties of the core particles] Reboud AM, et al. Biochim Biophys Acta 232:171-83, 25 Feb 71 (Fre)

[Characterization of ribosomes and ribosomal proteins of the liver of normal rats and of rats with protein deficiency] Quirin-Stricker C, et al. Bull Soc Chim Biol (Paris) 52:1315-39, 1970 (Fre)

[Presence of RNA of DNA type in the ribosomial fraction of chick embryo skin] Soriano L. C R Acad Sci [D] (Paris) 273:185-8, 12 Jul 71 (Fre)

[Properties of ribosomas and RNA synthesized by Escherichia coli cultivated in the presence of ethionine. 2. In vitro methylation of ribosome ethionine] Beaud G, et al. Eur J Biochem 20:525-34, 29 Jun 71 (Fre)

[Properties of ribosomes and RNA synthesized by Escherichia coli cultivated in the presence of ethionine. 1. Interactions between the ribosomal subunits 30 S and 50 S synthesized in the presence of ethionine] Beaud G, et al. Eur J Biochem 19:323-39, Apr 71 (Fre)

[Association of rapidly marked RNA with cytoplasmic structures in mouse plasmacytoma] Kempf J, et al. Eur J Biochem 17:124-33, Nov 70 (Fre)

[Polyribosomes in the silkgland of the silkworm. Isolation and electron microscopic study] Prudhomme JC, et al. Exp Cell Res 63:373-8, Dec 70 (Fre)

[Disk-electrophoretic characterization of ribosomal proteins, ultimately incorporated during biogenesis of the 50 S ribosome subunit of Escherichia coli B] Fenske H, et al. Acta Biol Med Ger 25:705-9, 1970 (Ger)

[Constant proportion of pulse labelled mRNA to ribosomal RNA precursor in the polysomal fraction of Escherichia coli] Grade K, et al. Eur J Biochem 21:317-25, 29 Jul 71 (Ger)

[Studies on the ribosomal ferritin of normal, cirrhotic and carcinomatous human livers] Domschke W, et al. Z Klin Chem Klin Biochem 8:273-7, May 70 (Ger)

[Band sedimentation method for the analysis of macromolecules in ultracentrifugation] Danusso L, et al. Ann Ist Super Sanita 5:602-21, 1969 (Ita)

[Virus-specific RNA in polysome of SV-40 tumor cells] Sakaoka H. Med Biol (Tokyo) 81:139-43, 10 Sep 70 (Jap)

[Assembly of the 30S ribosome subunit in E. coli] Mizushima S. Protein Nucleic Acid Enzyme (Tokyo) 16:483-91, Jul 71 (21 ref.) (Jap)

[Free and membrane bound ribosomes] Takagi M. Protein Nucleic Acid Enzyme (Tokyo) 16:589-98, Aug 71 (103 ref.) (Jap)

[Ribosomes of dry pea seeds] Gumilevskaia NA, et al. Biokhimiia 36:277-89, Mar-Apr 71 (Rus)

[Electrophoresis of ribosomes and ribosomal RNA in polyacrylamide gel] Mikhaflova IIu, et al. Biokhimiia 35:403-8, May-Jun 70 (Rus)

[Electrophoretic separation of ribosomal proteins on a column under linear pH gradient] Votrin II, et al. Biokhimiia 35:687-92, Jul-Aug 70 (Rus)

[Cytoplasmic and nuclear ribosomes of the flagellate protozoon Strigomonas oncopelti] Zaftseva GN, et al. Biokhimiia 35:565-73, May-Jun 70 (Rus)

[2 types of polyribosomes in Ehrlich ascites carcinoma cells] Bukrinskaia AG, et al. Dokl Akad Nauk SSSR 194:1425-8, 1970 (Rus)

[Sedimentation and density characteristics of ribosomes and their subunits from embryonic groundlings] Ovchinnikov LP, et al. Dokl Akad Nauk SSSR 185:210-3, Mar-Apr 69 (Rus)

CYTOLOGY

[Fixation and positive contrast studies for the preparation of isolated ribosomes and their substructures] David H, et al. Z Med Labortech 11:286-91, 1970 (Ger)

DRUG EFFECTS

RNase sensitivity of messenger and ribosomal RNA in pigeon liver polysomes. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:191-201, 1970

Effects of 17 -oestradiol and clomiphene isomers on uterine ribosomes. Kramer G, et al. Acta Endocrinol [Suppl] (Kbh) 155:140, 1971

The effect of cordycepin on nuclear RNA synthesis in nerve and glial cells. Grahn B, et al. Acta Physiol Scand 82:28-34, May 71

Factor dependent breakdown of polysomes. Hirashima A, et al. Biochem Biophys Res Commun 41:877-83, 25 Nov 70

Effect of spermine and magnesium on the attachment of free ribosomes to endoplasmic reticulum membranes. Khawaja JA, et al. Biochem Biophys Res Commun 41:512-8, 23 Oct 70

Thiostrepton: a ribosomal inhibitor of translocation. Pestka S. Biochem Biophys Res Commun 40:667-74, 11 Aug 70

Effects of dihydrostreptomycin on bacterial ribosomes in vivo. Kogut M, et al. Biochem J 119:121-3, Aug 70

Activity of skeletal-muscle ribosomes from intact and castrated rats treated with triamcinolone acetonide. Peters RF, et al. Biochem J 118:30P-31P, Jun 70

Regulation of polyribosome formation and protein synthesis in the uterus. Effect of administration of graded doses of oestradiol-17-beta and actinomycin D on the amino acid-incorporation activity in vitro and the cytoplasmic concentration in vivo of polyribosomes. Teng CS, et al. Biochem J 118:341-6, Jul 70

Time course of alterations of rat liver polysome profiles induced by aflatoxin B 1 . Pong RS, et al. Biochem Pharmacol 18:2357-61, Oct 69

Dissociation of rat liver ribosomes to active subunits by urea. Petermann ML, et al. Biochemistry 10:2770-5, 6 Jul 71

Nuclease action on Escherichia coli ribosomes and its application to sequence studies on ribosomal ribonucleic acid. Santer M, et al. Biochemistry 10:1841-6, 11 May 71

Changes in liver polyribosome patterns following administration of hydrocortisone and actinomycin D. Enwonwu CO, et al. Biochim Biophys Acta 238:264-76, 13 May 71

Inhibition of protein synthesis in reticulocytes by antibiotics. V. Mechanism of action of pederine, an inhibitor of initiation and elongation. Jacobs-Lorena M, et al. Biochim Biophys Acta 240:263-72, 30 Jun 71

Insect ribosomes: effect of monovalent cation deficiency. Kaulenas MS. Biochim Biophys Acta 224:276-8, 12 Nov 70

Formaldehyde and ribosomal conformation. Tal M. Biochim Biophys Acta 224:470-6, 14 Dec 70

Different sensitivity to ribonuclease of complexed and free ribosome. Uchida T, et al. Biochim Biophys Acta 224:628-30, 14 Dec 70

Selective proteolytic dissociation of rabbit reticulocyte single ribosomes not attached to messenger RNA. Velez R, et al. Biochim Biophys Acta 228:719-27, 11 Feb 71

Effects of magnesium deficiency on ribosomal structure and function in certain Gram-positive and Gram-negative bacteria. Webb M. Biochim Biophys Acta 222:416-27, 24 Nov 70

The influence of aminonucleoside on polysome patterns of rat liver. Kovacs ES, et al. Can J Biochem 48:39-43, Jan 70

A reevaluation of nuclear and nucleolar changes induced in vitro by actinomycin D. Recher L, et al. Cancer Res 31:140-51, Feb 71

In vitro effects of growth hormone on the number and activity of ribosomes engaged in protein synthesis in the isolated rat diaphragm. Kostyo JL, et al. Endocrinology 88:1054-62, Apr 71

Specific dissociation of ribosomes from Saccharomyces cerevisiae by a protein factor. Pêtre J. Eur J Biochem 14:399-405, Jul 70

Appearance of polyribosomes during germination of spores in cellular slime mold Dictyostelium purpureum. Feit IN, et al. Exp Cell Res 65:439-44, Apr 71

Studies on the reattachment of ribosomes and ribosomal subunits to ribosome-free membranes prepared from rat liver microsomes by means of lithium chloride. Scott-Burden T, et al. Hoppe Seylers Z Physiol Chem 352:575-82, Apr 71

Tetracycline inhibition of Mycoplasma ribosomal protein synthesis. Fraterrigo CC, et al. J Antibiot (Tokyo) 24:185-8, Mar 71

Effect of sulfhydryl reagents on the ribosomes of Bacillus subtilis. Ranu RS, et al. J Bacteriol 107:53-60, Jul 71

Regulation of protein synthesis in heart muscle. II. Effect of amino acid levels and insulin on ribosomal aggregation. Morgan HE, et al. J Biol Chem 246:2163-70, 10 Apr 71

Electron microscopic observations on the large subunit of the rat liver ribosome. Haga JY, et al. J Cell Biol 47:211-21, Oct 70

Vinblastine-induced ribosomal complexes. Effect of some metabolic inhibitors on their formation and structure. Krishan A, et al. J Cell Biol 49:927-32, Jun 71

Influence of vinblastine sulphate on the deployment of microtubules and ribosomes in telotrophic ovarioles. Stebbings H. J Cell Sci 8:111-25, Jan 71

The accumulation of ribosome precursors during inhibition by cobalt chloride. Blundell MR, et al. J Gen Microbiol 63:xvii, Nov 70

Altered ribosomes after inhibition of Escherichia coli by rifampicin. Blundell MR, et al. J Gen Microbiol 63:xvii, Nov 70

Selective dissociation of free ribosomes of Escherichia coli by sodium ions. Beller RJ, et al. J Mol Biol 55:477-85, 14 Feb 71

Inactivation of Escherichia coli ribosomes by 1-fluoro-2,4-dinitrobenzene. Retsema JA, et al. J Mol Biol 55:457-65, 14 Feb 71

Defective ribosomes in chloramphenicol-treated Escherichia coli. Young RM, et al. J Mol Biol 57:457-73, 14 May 71

Cellular adaptation in rat liver. I. Decay of free and membrane-bound polysomes. Hill RB Jr, et al. Lab Invest 24:321-4, Apr 71

Effects of acute and chronic ethanol administration on ribosomal protein synthesis in mouse brain and liver. Kuriyama K, et al. Life Sci [II] 10:181-9, 22 Feb 71

Response of hepatic polyribosomes of the mouse to the administration of anisotonic solutions. Lynn JK, et al. Life Sci [II] 10:385-94, 8 Apr 71

The effect of cycloheximide upon polyribosome stability in two yeast mutants defective respectively in the initiation of polypeptide chains and in messenger RNA synthesis. Hartwell LH, et al. Mol Gen Genet 106:347-61, 1970

Distruption by carcinogens of the hormone dependent association of membranes with polysomes. Williams DJ, et al. Nature (Lond) 232:102-5, 9 Jul 71

Stabilization of 70S ribosomes by spermidine. Hardy SJ, et al. Nature [New Biol] 229:17-9, 6 Jan 71

Role for steroid hormones in the interaction of ribosomes with the endoplasmic membranes of rat liver. Sunshine GH, et al. Nature [New Biol] 230:133-6, 31 Mar 71

Specific inactivation of 16S ribosomal RNA induced by colicin E3 in vivo. Bowman CM, et al. Proc Natl Acad Sci USA 68:964-8, May 71

Breakdown by streptomycin of initiation complexes formed on ribosomes of Escherichia coli. Modolell J, et al. Proc Natl Acad Sci USA 67:1148-55, Nov 70

Effect of colicin E3 upon the 30S ribosomal subunit of Escherichia coli. Senior BW, et al. Proc Natl Acad Sci USA 68:959-63, May 71

L-dopa: disaggregation of brain polysomes and elevation of brain tryptophan. Weiss BF, et al. Science 173:833-5, 27 Aug 71

Interferon action: effect on the formation of poxvirus specific polysomes and viral RNA. Bodo G, et al. Z Naturforsch [B] 25:1164-70, Oct 70

[Effect of monovalent cations on the dissociation of rat liver ribosomes. Properties of the subunits] Reboud AM, et al. Biochim Biophys Acta 213:437-50, 8 Aug 70 (Fre)

[Mechanism of action of antibiotics--inhibitors of protein synthesis through interaction with ribosomes] Tanaka K. J Jap Biochem Soc 43:1-11, 1971 (87 ref.) (Jap)

ENZYMOLOGY

An aminopeptidase activity associated with brain ribosomes. Kerwar SS, et al. Arch Biochem Biophys 143:336-7, Mar 71

Co-fractionation of "nickase" with rat liver DNA polymerase. Baril E, et al. Biochem Biophys Res Commun 43:754-9, 21 May 71

Deoxyribonucleic acid polymerase with rat liver ribosomes and smooth membranes. Purification and properties of the enzymes. Baril EF, et al. Biochemistry 10:1981-92, 25 May 71

Properties of a polyriboadenylate polymerase isolated from yeast ribosomes. Twu JS, et al. Biochemistry 10:1576-82, 27 Apr 71

The presence of peptidyl transferase in wheat embryo ribosomes. Gatica M, et al. Biochim Biophys Acta 228:732-5, 11 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A ribosomal-bound aminopeptidase in Escherichia coli B: purification and properties. Dick AJ, et al. Can J Biochem 48:1181-8, Nov 70
A ribosomal-bound aminopeptidase in Escherichia coli B: substrate specificity. Matheson AT, et al. Can J Biochem 48:1292-6, Dec 70
The site of cytochrome oxidase biosynthesis in Neurospora crassa. Birkmayer GD. Eur J Biochem 21:258-63, 29 Jul 71
Nature of ribosome-bound beta-galactosidase. Bronskill PM, et al. J Bacteriol 105:498-503, Feb 71
Specific precipitation of catalase-synthesizing ribosomes by anti-catalase antiserum. Higashi T, et al. J Biochem (Tokyo) 69:439-40, Feb 71
Association of aminoacyl transferase II with ribosomes of intact HeLa cells during amino acid deprivation. Smuison ME, et al. J Biol Chem 245:5350-3, 25 Oct 70
Nuclease activity of ribosomal and soluble fractions of Acheta domesticus. Mangan KF, et al. J Insect Physiol 16:1155-63, Jun 70
Inactivation and reactivation of ribosomal subunits: the peptidyl transferase activity of the 50 s subunit of Escherihia coli. Miskin R, et al. J Mol Biol 54:355-78, 14 Dec 70
Partial purification by affinity chromatography of tyrosine aminotransferase-synthesizing ribosomes from hepatoma tissue culture cells. Miller JV Jr, et al. Proc Natl Acad Sci USA 68:1014-8, May 71
Ribosome-catalyzed polyester formation. Fahnestock S, et al. Science 173:340-3, 23 Jul 71
[An extremely phosphate-inhibitable phosphatase from ribosomes of rabbit reticulocytes] Rosenthal S, et al. Acta Biol Med Ger 25:177-80, 1970 (Ger)

GROWTH & DEVELOPMENT

Hormone-dependent formation of polysomes in mammary cells in vitro. Turkington RW, et al. J Biol Chem 245:5145-52, 10 Oct 70
Polysome analysis of embryonic sensory ganglia cultured in vitro with the nerve growth factor. Amaldi P. J Neurochem 18:827-32, Jun 71
Defective production of mitochondrial ribosomes in the poky mutant of Neurospora crassa. Rifkin MR, et al. Proc Natl Acad Sci USA 68:287-90, Feb 71

IMMUNOLOGY

Immunological and biochemical activity of anti-ribosome immune serum. Merétey K, et al. Acta Microbiol Acad Sci Hung 17:175-83, 1970
Immunological properties of isolated protein fractions from Artemia ribosomes. Von der Decken A, et al. Exp Cell Res 64:179-89, Jan 71
Antibodies to ribosomal ribonucleic acid (rRNA) in patients with systemic lupus erythematosus (SLE). Lamon EW, et al. Immunology 19:439-42, Sep 70
Protein biosynthesis in the spleen. I. Effect of primary immunization on microsomal and ribosomal function in vitro. Selawry HS, et al. J Immunol 106:349-57, Feb 71
Protein biosynthesis in the spleen. II. Effect of primary immunization on the mechanism of protein synthesis. Selawry HS, et al. J Immunol 106:358-63, Feb 71
Specificity of serological cross-reactions between insect viruses and ribosomes. Krywienczyk J, et al. J Invertebr Pathol 17:321-6, May 71
[Proteins of animal ribosomes. IV. Antigenic properties of ribosomes and ribosomal proteins from liver and hepatoma] Noll F, et al. Arch Geschwulstforsch 35:338-46, 1970 (Ger)
[Antigen-binding capacity of spleen polysomes in immunized animals] Iurin VL, et al. Dokl Akad Nauk SSSR 195:1211-4, 1970 (Rus)

METABOLISM

Effect of ribonuclease on pigeon liver ribosomal ribonucleic acids. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:183-90, 1970
Effect of tryptophan on polyribosomes and protein synthesis in liver. Sidransky H, et al. Am J Clin Nutr 24:779-85, Jul 71
Rat hepatic polysome profiles and in vitro protein synthesis during hypoxia. Surks MI, et al. Am J Physiol 220:1606-9, Jun 71
A simple and sensitive method for quantitative measurement of cellular RNA synthesis. Emerson CP Jr, et al. Anal Biochem 40:254-66, Apr 71
Direct method of measuring transfer ribonucleic acid binding to polyribosomes and to single ribosomes in cells of higher organisms. Kabat D. Anal Biochem 39:228-42, Jan 71
Structure and synthesis of ribosomal RNA. Attardi G, et al. Annu Rev Biochem 39:183-226, 1970 (351 ref.)
The interaction of transfer factor G, ribosomes, and guanosine nucleotides in the presence of fusidic acid. Brot N, et al. Arch Biochem Biophys 143:286-96, Mar 71
The role of ribosomal conformation in protein synthesis: conformational changes in the ribosome during the translocation step. Chuang DM, et al. Arch Biochem Biophys 144:778-80, Jun 71
Role of potassium in the regulation of polysome content and protein synthesis in Escherichia coli. Ennis HL. Arch Biochem Biophys 142:190-200, Jan 71
Biogenesis of mitochondria. XVII. The role of mitochondrial and cytoplasmic ribosomal protein synthesis in the oxygen-induced formation of yeast mitochondrial enzymes. Vary MJ, et al. Arch Biochem Biophys 141:430-9, Dec 70
Studies on the role of factor Ts in aminoacyl-tRNA binding to ribosomes. Weissbach H, et al. Arch Biochem Biophys 141:384-6, Nov 70
Mechanisms in protein synthesis. XII. Sites of action of showdomycin in a cell-free polyphenylalanine synthesizing system from human lymphatic tissue: ribosomes and elongation factor TF II. Bermek E, et al. Biochem Biophys Res Commun 40:1311-8, 30 Sep 70
Studies on translocation. VI. Thiostrepton prevents the formation of a ribosome-G factor-guanine nucleotide complex. Bodley JW, et al. Biochem Biophys Res Commun 41:1406-11, 24 Dec 70
Studies on the reaction of the aminoacyl-tRNA-Tu-GTP complex with ribosomal subunits. Brot N, et al. Biochem Biophys Res Commun 41:1388-95, 24 Dec 70
Protein synthesis in rabbit reticulocytes: factors controlling terminal and internal methionine codon (AUG) recognition by methionyl tRNA species. Chatterjee NK, et al. Biochem Biophys Res Commun 43:771-9, 21 May 71
Effect of ribonuclease on Escherichia coli ribosomes. Delihas N. Biochem Biophys Res Commun 39:905-10, 5 Jun 70
Incorporation of methionine from met-tRNA-Met-F into internal positions of polypeptides by mouse liver polysomes. Drews J, et al. Biochem Biophys Res Commun 43:905-12, 21 May 71
Phosphorylation of rat liver ribosomal subunits: partial purification of two cyclic AMP activated protein kinases. Eil C, et al. Biochem Biophys Res Commun 43:1001-9, 4 Jun 71
Mitochondrial membrane organisation, a determinant of mitochondrial ribosomal RNA synthesis. Forrester IT, et al. Biochem Biophys Res Commun 43:409-15, 16 Apr 71
Effect of nucleotide adjacent to 3'-end of codon triplet on ribosomal binding of aminoacyl-tRNA. Furuichi Y, et al. Biochem Biophys Res Commun 41:797-803, 9 Nov 70
A novel method for demonstrating a nuclear 30-32S precursor of the RNA of the smaller ribosomal subunit in Amoeba proteus. Goldstein L. Biochem Biophys Res Commun 42:67-73, 8 Jan 71
Studies on the formation of the initiation complex in eukaryotes. Heywood SM, et al. Biochem Biophys Res Commun 43:470-5, 7 May 71
The coding nature of valyl-transfer RNA binding to ribosomes during methionine starvation in E. coli 113-3. Huang HH, et al. Biochem Biophys Res Commun 43:847-53, 21 May 71
Processing of ribosomal RNA precursor in isolated insect nuclei. Hughes M, et al. Biochem Biophys Res Commun 39:1108-13, 1970
Incorporating activity of ribosomes and integrity of ribosomal RNA. Hüvös P, et al. Biochem Biophys Res Commun 41:1020-6, 25 Nov 70
Evidence for the polycistronic transcription of ribosomal RNA in Escherichia coli. Jacobson LA. Biochem Biophys Res Commun 43:372-7, 16 Apr 71
Cold-induced "run-off" ribosomes of Acheta domesticus. Kaulenas MS. Biochem Biophys Res Commun 43:1081-8, 4 Jun 71
Chemical evidence showing involvement of sulfhydryl groups in protein synthesis with E. coli system. Kimura K, et al. Biochem Biophys Res Commun 43:882-7, 21 May 71
Effect of aurintricarboxylic acid and of NaF on the binding of globin messenger RNA to reticulocyte 40S ribosomal subunits. Lebleu B, et al. Biochem Biophys Res Commun 40:731-9, 11 Aug 70
In vitro protein synthesis in a mitochondrial fraction from HeLa cells: sensitivity to antibiotic and ethidium bromide. Lederman M, et al. Biochem Biophys Res Commun 40:1492-500, 30 Sep 70
Streptomycin induced release of fMet-tRNA from the ribosomal initiation complex. Lelong JC, et al. Biochem Biophys Res Commun 42:530-7, 5 Feb 71
The level of Fmt-tRNA on ribosomes from streptomycin treated cells. Lennette ET, et al. Biochem Biophys Res Commun 41:804-11, 9 Nov 70
In vitro amino acid incorporation into myosin by free polysomes of rat skeletal muscle. Nihei T. Biochem Biophys Res Commun 43:1139-44, 4 Jun 71
Complex formation of fusidic acid with G factor, ribosome and guanosine nucleotide. Okura A, et al. Biochem Biophys Res Commun 41:1545-50, 24 Dec 70
Inhibition by kasugamycin of initiation complex formation on 30S ribosomes. Okuyama A, et al. Biochem Biophys Res Commun 43:196-9, 2 Apr 71
In vitro synthesis of light and heavy polypeptide chains of myosin. Sarkar S, et al. Biochem Biophys Res Commun 41:918-25, 25 Nov 70
Isolation of serum albumin-synthesizing polysomes from rat liver. Takagi M, et al. Biochem Biophys Res Commun 42:125-31, 8 Jan 71
Stimulation of cell free polyphenylalanine synthesis by 30S ribosomal subunits in Escherichia coli. Takeda Y, et al. Biochem Biophys Res Commun 42:1134-41, 19 Mar 71
Effect of siomycin on protein synthesizing activity of Escherichia coli ribosomes. Tanaka K, et al. Biochem Biophys Res Commun 39:1189-93, 1970
Initiation factor promoted reassociation of eukaryotic ribosomal subunits. Wettenhall RE, et al. Biochem Biophys Res Commun 43:994-1000, 4 Jun 71
The binding of kinetin to plant ribosomes. Berridge MV, et al. Biochem J 119:75-84, Aug 70
Ribosomes from Xenopus laevis ovaries and the polyuridylic acid-directed biosynthesis of polyphenylalanine. Cox RA, et al. Biochem J 119:161-4, Sep 70
The reverible dissociation and activity ofribosoma subunits of liver and skeletal muscle from rats. Decke A von der, et al. Biochem J 120:815-9, Dec 70
The masking of a membrane bound enzyme catalysing disulphide interchange by polysomes: effects of steroid hormones and aflatoxin B1 on the system. Rabin BR, et al. Biochem Soc Symp 31:203-15, 1970
Stimulation by adenosine 3',5'-cyclic monophosphate of protein synthesis by adenohypophseal polyribosomes. Adiga PR, et al. Biochemistry 10:711-5, 16 Feb 71
Interaction of vernamycin A with Escherichia coli ribosomes. Ennis HL. Biochemistry 10:1265-70, 30 Mar 71
Phosphorylation of ribosomal proteins in rabbit reticulocytes. A cell-free system with ribosomal protein kinase activity. Kabat D. Biochemistry 10:197-203, 19 Jan 71
Anaerobiosis-induced changes in an isoleucyl transfer ribonucleic acid and the 50S ribosomes of Escherichia coli. Kwan CN, et al. Biochemistry 7:427-33, Jan 68
Initiation of polysome formation in mouse sarcoma 180 ascites cells. Utilization of cytoplasmic messenger ribonucleic acid. Lee SY, et al. Biochemistry 10:895-900, 2 Mar 71
Identification of separate polysomes active in the synthesis of the light and heavy chains of myosin. Low RB, et al. Biochemistry 10:1813-8, 11 May 71
Biosynthetic precursors of 30S and 50S ribosomal particles in Escherichia coli. Mangiarotti G, et al. Biochemistry 7:456-72, Jan 68
Protein biosynthesis on chick oviduct polyribosomes. I. Changes during estrogen-mediated tissue differentiation. Means AR, et al. Biochemistry 10:1561-70, 27 Apr 71
Protein biosynthesis on chick oviduct polyribosomes. II. Regulation by progesterone. Means AR, et al. Biochemistry 10:1570-6, 27 Apr 71
Histone synthesis. Assignment to a special class of polyribosomes in sea urchin embryos. Moav B, et al. Biochemistry 10:881-8, 2 Mar 71
2'-O-methyloligoadenylates as templates for the binding of lysyl transfer ribonucleic acid to ribosomes. Price AR, et al. Biochemistry 9:4524-9, 10 Nov 70
Relationship between peptidyl transferase activity and interaction of ribosomes with phenylalanyl transfer ribonucleic acid--guanosine 5'-triphosphate--TIu complex. Ravel JM, et al. Biochemistry 9:5028-33, 8 Dec 70
Inhibition of binding of transfer ribonucleic acid to ribosomes by ribosomal proteins. Sho S, et al. Biochemistry 9:3872-7, 29 Sep 70
Skeletal muscle ribosome subunits and peptidyl transfer ribonucleic acid. Stirewalt WS, et al. Biochemistry 10:1594-8, 27 Apr 71
The size and the location of the ribosomal RNA segments in ribosomal precursor RNA of yeast. Bos RC van den, et al. Biochim Biophys Acta 232:494-508, 25 Mar 71
Ribosomal RNA synthesis in human-mouse hybrid cells. Bramwell ME, et al. Biochim Biophys Acta 232:580-3, 25 Mar 71
Role of mammalian ribosomal sub-units and elongation factors in poly U-directed protein synthesis. Busiello E, et al. Biochim Biophys Acta 228:289-90, 1 Jan 71
Biochemical studies in the developing thoracic muscles the tobacco horn worm. 3. Amino acid incorporation in the cytoplasmic ribosomal fraction. Chan SK, et al. Biochim Biophys Acta 228:252-8, 1 Jan 71
Involvement of specific ribosomal proteins in the aminoacyl-tRNA binding reaction. Cheng TC, et al. Biochim Biophys Acta 217:555-9, 15 Oct 70
Ribosomal RNA precursor synthesis in tobacco tissue culture. Cheng TY, et al. Biochim Biophys Acta 228:503-8, 28 Jan 71
The simultaneous determination of transfer RNA and amino acid attachment to rat liver ribosomes in the presence of unfractionated supernatant. Cornwell GG 3d, et al. Biochim Biophys Acta 238:259-63, 13 May 71
Biogenesis of 30-S subunits in exponentially growing Escherichia coli. Davis FC Jr, et al. Biochim Biophys Acta 232:379-87, 11 Mar 71
Passage of ribosomal RNA from nucleus to cytoplasm in differentiating yolk sac erythroid cells. Fantoni A, et al. Biochim Biophys Acta 238:245-58, 13 May 71
Nucleic acid and ribosome synthesis by Escherichia coli incubated in 5',5',5'-trifluoroleucine. Fenster ED. Biochim Biophys Acta 228:701-18, 11 Feb 71
Coordinate synthesis of ribosomal RNA and messenger

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

for ribosomal proteins. Harney CE, et al. Biochim Biophys Acta 213:529-31, 8 Aug 70

Initiation of polysome formation in chloroplasts isolated from Euglena gracilis. Harris EH, et al. Biochim Biophys Acta 232:167-70, 25 Feb 71

Peptide bond formation on the ribosome. Structural requirements for inhibition of protein synthesis and of release of peptides from peptidyl-tRNA on bacterial and mammalian ribosomes by aminoacyl and nucleotidyl analogues of puromycin. Harris RJ, et al. Biochim Biophys Acta 240:244-62, 30 Jun 71

Incorporation of 32P into ribosomal RNA, transfer RNA and inositol hexaphosphate in germinating pea cotyledons. Hewish DR, et al. Biochim Biophys Acta 228:509-16, 28 Jan 71

Different gene expression for ribosomal RNA of AH-130 tumor and embryonic and adult rat liver. Higashi K, et al. Biochim Biophys Acta 232:352-8, 11 Mar 71

On the aminoacyl-tRNA binding site of the 30-S ribosomal subunit and its relation to the chain initiation site of the ribosome. Igarashi K, et al. Biochim Biophys Acta 228:728-31, 11 Feb 71

A ribosomal mechanism for synthesis of peptides related to nisin. Ingram L. Biochim Biophys Acta 224:263-5, 12 Nov 70

Incorporation of nuclear rapidly labeled RNA into polysomes in the reconstructed system of rat liver. Ishikawa K, et al. Biochim Biophys Acta 213:542-4, 8 Aug 70

Inhibition of protein synthesis in reticulocytes by antibiotics. IV. Ribosome behaviour after puromycin release of growing peptide chains. Jacobs-Lorena M, et al. Biochim Biophys Acta 224:174-83, 12 Nov 70

A study of ribosomal subunits during cell-free protein synthesis. Jacobs-Lorena M, et al. Biochim Biophys Acta 224:165-73, 12 Nov 70

Formation of a complex between GTP, G factor, and ribosomes as an intermediate of ribosome-dependent GTPase reaction. Kuriki Y, et al. Biochim Biophys Acta 224:487-97, 14 Dec 70

Temperature effects in the formation of the initiation complex in protein synthesis: a note of caution. Lu P, et al. Biochim Biophys Acta 238:343-6, 13 May 71

Assessment of effective ion concentrations in systems synthesizing RNA and protein. Manchester KL. Biochim Biophys Acta 213:532-4, 8 Aug 70

Mode of action of beta-chelocardin. Mao JC, et al. Biochim Biophys Acta 238:157-60, 29 Apr 71

Interaction of ADP-ribosylated aminoacyl-transferase II with GTP and with ribosomes. Montanaro L, et al. Biochim Biophys Acta 238:493-7, 27 May 71

Interaction of informational macromolecules with ribosomes. 3. Binding of nuclear RNA by normal liver and hepatoma ribosomes. Naora H, et al. Biochim Biophys Acta 224:498-506, 14 Dec 70

Inhibition by homogentisic acid of polypeptide synthesis in rat liver and brain ribosomal systems. Peterson NA, et al. Biochim Biophys Acta 228:268-81, 1 Jan 71

On the mechanism of the biosynthesis of ribosomal RNA in yeast. Retèl J, et al. Biochim Biophys Acta 224:458-69, 14 Dec 70

Effect of secondary structure on the degradation of ribosomal RNA. Rodgers A. Biochim Biophys Acta 217:540-3, 15 Oct 70

Reactivation in vitro of inactive ribosomes from stationary phase Escherichia coli. Scheps R, et al. Biochim Biophys Acta 232:140-50, 25 Feb 71

Synthesis of rRNA in sea urchin embryos. IV. Maturation of rRNA precursor. Sconzo G, et al. Biochim Biophys Acta 232:132-9, 25 Feb 71

Messenger RNA accumulation in Escherichia coli during chloramphen- icol treatment. Sells BH, et al. Biochim Biophys Acta 232:421-5, 11 Mar 71

Ribosomal protein synthesis during recovery from puromycin treatment. Sells BH, et al. Biochim Biophys Acta 232:736-40, 8 Apr 71

A protein factor stimulating binding and translating of polyuridylic acid by Escherichia coli ribosomes. Smolarsky M, et al. Biochim Biophys Acta 213:401-16, 8 Aug 70

Protein biosynthesis in cell-free systems prepared from hair follicel tissue of guinea pigs. Steinert PM, et al. Biochim Biophys Acta 232:556-72, 25 Mar 71

Effect of edeine on aminoacyl-tRNA binding to ribosomes and its relationship to ribosomal binding sites. Szer W, et al. Biochim Biophys Acta 224:477-86, 14 Dec 70

A ribosome-like particle accumulated at low temperature by a cold-sensitive mutant of Salmonella typhimurium. Tai PC, et al. Biochim Biophys Acta 232:151-66, 25 Feb 71

Functional differences in protein synthesis between free and bound polysomes of rat liver. Takagi M, et al. Biochim Biophys Acta 217:148-58, 17 Sep 70

Ribosomal subunit exchange in cell-free polyphenylalanine synthesis. Takeda Y, et al. Biochim Biophys Acta 232:575-9, 25 Mar 71

Studies on the metabolism of RNA of free and membrane-bound polysomes from rat liver. Tanaka T, et al. Biochim Biophys Acta 224:507-17, 14 Dec 70

Reversal of the inhibitory action of chloramphenicol on the ribosomal peptidyl transfer reaction by erythromycin. Teraoka H. Biochim Biophys Acta 213:535-7, 8 Aug 70

An alteration in ribosome function caused by equimolar binding of erythromycin. Teraoka H, et al. Biochim Biophys Acta 232:509-13, 25 Mar 71

Ribosomal protein pool of Escherichia coli. Young RM, et al. Biochim Biophys Acta 213:451-68, 8 Aug 70

Oxygen toxicity in the newborn guinea pig lung. The incorporation of tritiated uridine into monoribosomes. Bieber MM, et al. Biol Neonate 17:35-43, 1971

Photodynamic action and bacterial protein synthesis. Chandra P, et al. Biophysik 7:212-6, 1971

Acetone-sensitized inactivation of guanylyl-uridylyl-uridine (GUU) in the binding of valyl-tRNA to ribosomes. Chandra P, et al. Biophysik 7:245-6, 1971

Brain stem polysomes and avoidance performance of hypophysectomized rats subjected to peptide treatment. Gispen WH, et al. Brain Res 31:341-51, 20 Aug 71

RNA synthesis in polyoma virus-infected cells. I. Pattern of formation of polyribosome-associated messenger RNA during productive infection. Cheevers WP, et al. Can J Biochem 48:1104-12, Oct 70

The effect of cell-sap fractions on incorporation of amino acids into protein in rat liver cell-free systems. Liew CC, et al. Can J Biochem 48:736-9, Jul 70

Protein synthesis by ribosomes from rat kidney cortex: effect of aldosterone and bilateral adrenalectomy. Majumdar AP, et al. Can J Biochem 49:501-9, May 71

The regulation of protein synthesis in nephrotic rat liver ribosome preparations. Nicholls DM, et al. Can J Biochem 48:1222-7, Nov 70

Factors affecting protein synthesis in rat kidney ribosome preparations. Nicholls DM, et al. Can J Biochem 48:105-12, Jan 70

Amino acid incorporation by a cell-free preparation from rat adipose tissue. Effects of fasting. Shlossberg AH, et al. Can J Biochem 48:113-21, Jan 70

Methionine transfer RNAF: the initiator transfer RNA for hemoglobin biosynthesis. Anderson WF, et al. Cancer Res 31:701-3, May 71

Engagement of cytoplasmic polyribosomes in the synthesis of ribosomal proteins in eukaryotic cells. Chiarugi VP. Cancer Res 31:847-50, Jun 71

A comparison of 32P distribution in oligonucleotides of ribosomal 28 S RNA from normal liver and Novikoff hepatoma ascites cells. Wikman J, et al. Cancer Res 30:2749-59, Nov 70

The synthesis and secretion of ribosomes by nurse cells of Antheraea polyphemus. Hughes M, et al. Dev Biol 23:651-64, Dec 70

Effect of experimental diabetes mellitus on protein synthesis by liver ribosomes. Tragi KH, et al. Diabetes 20:27-32, Jan 71

Synthesis of thyroglobulin peptides by pig thyroid polyribosomes. Kondo Y. Endocrinology 89:116-24, Jul 71

In vitro effects of growth hormone on the number and activity of ribosomes engaged in protein synthesis in the isolated rat diaphragm. Kostyo JL, et al. Endocrinology 88:1054-62, Apr 71

Effect of cyclic adenosine 3',5'-monophosphate on the incorporation of 3H-leucine into polypeptides by beef thyroid polysomes in vitro. Leung BS, et al. Endocrinology 89:70-8, Jul 71

Isolation of a protein fraction from rat liver ribosomes initiating polyphenylalanine synthesis at low Mg 2+ ions-concentrations. Grummt F, et al. Eur J Biochem 21:210-6, 29 Jul 71

Ribosomal proteins. Protein compositions of biosynthetic precursors and artifical subparticles from ribosomal subunits in Escherichia coli K 12. Homann HE, et al. Eur J Biochem 20:249-57, 28 May 71

Polysome breakdown and the synthesis of ribonucleic acid in stringent and relaxed Escherichia coli cells starved for amino acids. Kaplan R, et al. Eur J Biochem 21:60-7, 15 Jul 71

Inhibition of peptide initiation on reticulocyte ribosomes by edeine. Obrig T, et al. Eur J Biochem 21:31-41, 15 Jul 71

Peptide chain initiation in homologous and heterologous systems from mitochondria and bacteria. Sala F, et al. Eur J Biochem 15:280-6, Aug 70

Messenger RNA in HeLa cells: an investigation of free and polyribosome-bound cytoplasmic messenger ribonucleoprotein particles by kinetic labelling and electron microscopy. Spohr G, et al. Eur J Biochem 17:296-318, Dec 70

Effects of valine deprivation on the biosynthesis of ribosomal and messenger RNA in a mammalian cell line (L 5178 Y). Tiollais P, et al. Eur J Biochem 18:35-45, 1 Jan 71

Binding of aminoacyl-tRNA to ribosomes programmed with bacteriophage MS2-RNA. Voorma HO, et al. Eur J Biochem 18:451-62, Feb 71

Coat protein repression of bacteriophage M12 RNA directed polysome formation. Ward R, et al. Eur J Biochem 17:106-15, Nov 70

Studies with the schistosomacide hycanthone: inhibition of macromolecular synthesis and its reversal. Wittner M, et al. Exp Mol Pathol 14:124-33, Feb 71

The effect of L-asparaginase on the synthesis and processing of ribosomal precursor RNA in PHA-stimulated lymphocytes. Torelli UL, et al. Experientia 26:1366-8, 15 Dec 70

Comparison of polyribonucleotide dependent polypeptide synthesis on isolated ribosomes from two different species of mycobacteria. Trnka L, et al. Folia Microbiol (Praha) 16:97-102, 1971

Human protein synthesis. V. The effect of antibiotics on an optimized polyphenylalanine synthesizing cell-free system from human lymphatic tissue. Bermek E, et al. Hoppe Seylers Z Physiol Chem 351:1377-83, Nov 70

Effects of oestradiol-17 beta on uterine ribosomes: altered sedimentation profile and enhanced protein-synthesizing activity. Gasde K, et al. Hoppe Seylers Z Physiol Chem 352:318-20, Feb 71

Intraribosomal environment of the nascent peptide chain. Kaji H. Int Rev Cytol 29:169-211, 1970 (358 ref.)

Action of testosterone on nucleic acids of rat liver subcellular fractions. Corti A, et al. Ital J Biochem 19:277-83, Jul-Aug 70

A poly U directed phenylalanine polymerizing system from Neurospora crassa: general characterization and ionic effects. Sturani E, et al. Ital J Biochem 19:319-36, Sep-Oct 70

Binding of erythromycin to Escherichia coli ribosomes. Teraoka H. J Antibiot (Tokyo) 24:302-9, May 71

Spermidine requirement for Bacillus thuringiensis ribosomes in cell-free phenylalanine incorporation. Changchien LM, et al. J Bacteriol 103:734-40, Sep 70

Ribosomal competence and spore germination in Fusarium solani. Rado TA, et al. J Bacteriol 106:301-4, May 71

Precursor ribosomal ribonucleic acid and ribosome accumulation in vivo during the recovery of Salmonella typhimurium from thermal injury. Tomlins RI, et al. J Bacteriol 107:134-42, Jul 71

Effects of essential amino acid starvation in Streptococcus faecalis: structural change in the 50S ribosomal subunit. Ziegler RJ, et al. J Bacteriol 105:190-9, Jan 71

Polyamines and protein synthesis. VII. Effect of spermine on the binding of polyuridylic acid to 30S ribosomal subunits. Takeda Y, et al. J Biochem (Tokyo) 68:937-40, Dec 70

Inhibition by multhiomycin of T factor- and GTP-dependent binding of phenylalanyl-tRNA to ribosomes and GTP hydrolysis associated with it. Tanaka T, et al. J Biochem (Tokyo) 69:1127-30, Jun 71

Studies on translocation. 3. Conditions necessary for the formation and detection of a stable ribosome-G factor-guanosine diphosphate complex in the presence of fusidic acid. Bodley JW, et al. J Biol Chem 245:5656-61, 10 Nov 70

Studies on translocation. IV. The hydrolysis of a single round of guanosine triphosphate in the presence of fusidic acid. Bodley JW, et al. J Biol Chem 245:5662-7, 10 Nov 70

Biosynthesis of nonglobin protein by membrane-bound ribosomes in reticulocytes. Bulova SI, et al. J Biol Chem 245:4907-12, 10 Oct 70

Polyphenylalanine synthesis and binding of phenylalanyl transfer ribonucleic acid by ribosomes from muscle of normal and diabetic rats. Castles JJ, et al. J Biol Chem 246:1799-805, 25 Mar 71

Control of protein synthesis in mammalian tissues through changes in ribosome activity. Henshaw EC, et al. J Biol Chem 246:436-46, 25 Jan 71

Binding of 5 S ribosomal ribonucleic acid to the unfolded 50 S ribosomes of Escherichia coli II. Hosokawa K. J Biol Chem 245:5880-7, 25 Nov 70

Preferential binding of initiator methionyl transfer ribonucleic acid from eukaryotes and bacteria to ribosomes. Monasterio O, et al. J Biol Chem 246:1539-41, 10 Mar 71

The mechanism by which cycloheximide and related glutarimide antibiotics inhibit peptide synthesis on reticulocyte ribosomes. Obrig TG, et al. J Biol Chem 246:174-81, 10 Jan 71

Studies on the formation of transfer ribonucleic acid-ribosome complexes. 8. Aminoacyl oligonucleotide binding to ribosomes: characteristics and requirements. Pestka S, et al. J Biol Chem 245:6208-19, 25 Nov 70

The assembly of ribosomes in yeast. Warner JR. J Biol Chem 246:447-54, 25 Jan 71

Cerebral protein synthesis. 3. Developmental alteratons in the stability of cerebral messenger ribonucleic acid-ribosome complexes. Zomzely CE, et al. J Biol Chem 246:2097-103, 10 Apr 71

Formation of polyribosomes during recovery from contact inhibition of replication. Hodgson JR, et al. J Cell Biol 49:945-7, Jun 71

Control of macromolecular synthesis in proliferating and resting Syrian hamster cells in monolayer culture. II. Ribosome complement in resting and early G1 cells. Becker H, et al. J Cell Physiol 77:43-50, Feb 71

Changes in ribosome-polyribosome balances in chick muscle cells during tissue dissociation, development in culture, and exposure to simplified culture-medium. Hosick HL, et al. J Cell Physiol 77:145-56, Apr 71

Control of macromolecular synthesis in proliferating

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and resting Syrian hamster cells in monolayer culture. I. Ribosome function. Stanners CP, et al. J Cell Physiol 77:31-42, Feb 71

Active polysomes in sea urchin eggs and zygotes: evidence for an increase in translatable messenger RNA after fertilization. Denny PC, et al. J Exp Zool 175:133-40, Oct 70

Nucleic acid synthesis in preimplantation rabbit embryos. II. Delayed synthesis of ribosomal RNA. Manes C. J Exp Zool 176:87-95, Jan 71

Synthesis of ribosomes in a mutant of Escherichia coli. Mehdi Q, et al. J Gen Microbiol 63:18, Nov 70

The synthesis of ribosomes in bacteria. Turnock G. J Gen Microbiol 63:3-4, Nov 70

Immunoglobulin synthesis on free and bound polyribosomes of rabbit lymph node cells. Sherr CJ, et al. J Immunol 106:69-73, Jan 71

Transfer of amino acids from aminoacyl-tRNA into protein by isolated ribosomes of the house cricket. Kaulenas MS. J Insect Physiol 16:2103-17, Nov 70

Ribonucleic acid production and breakdown in synchronized erythroid cohorts from actinomycin-treated animals. Izak G, et al. J Lab Clin Med 77:923-30, Jun 71

Protein- and hemoglobin-synthesizing ability of subcellular fractions isolated from erythroid cell cohorts synchronized by actinomycin D administration. Izak G, et al. J Lab Clin Med 77:916-22, Jun 71

Synthesis and maturation of cytoplasmic ribosomal RNA in Euglena gracilis. Brown RD, et al. J Mol Biol 59:491-503, 14 Aug 71

Structure and function of mammalian ribosomes. I. Isolation and characterization of active liver ribosomal subunits. Falvey AK, et al. J Mol Biol 53:1-19, 14 Oct 70

Structure and function of mammalian ribosomes. II. Exchange of ribosomal subunits at various stages of in vitro polypeptide synthesis. Falvey AK, et al. J Mol Biol 53:21-34, 14 Oct 70

A supernatant fraction from rat liver capable of replacing G factor in a bacterial cell-free system. Felicetti L, et al. J Mol Biol 54:611-4, 28 Dec 70

Cell-free synthesis of ribosomal proteins on polyribosomes. Flessel CP. J Mol Biol 58:579-94, 14 Jun 71

Ribosomal protein synthesis during amino acid starvation and chloramphenicol treatment. Goodman D. J Mol Biol 51:491-9, Aug 70

Ribosomal RNA synthesis is turned off during sporulation of Bacillus subtilis. Hussey C, et al. J Mol Biol 57:59-70, 14 Apr 71

Reduction of ribosomal RNA synthesis and ribosomal RNA genes in a mutant of Xenopus laevis which organizes only a partial nucleolus. I. Ribosomal RNA synthesis in embryos of different nucleolar types. Knowland J, et al. J Mol Biol 53:321-8, 14 Nov 70

Collagen polysomes: site of hydroxylation of proline residues. Lazarides EL, et al. J Mol Biol 58:831-46, 28 Jun 71

Reaction of N-ethyl maleimide with the ribosomes of Escherichia coli. Moore PB. J Mol Biol 60:169-84, 28 Aug 71

Stimulation of synthesis of DNA-like and ribosomal RNA by growth hormone. Oravec M, et al. J Mol Biol 58:489-98, 14 Jun 71

Absolute ribosome specificity of two sets of transfer factors isolated from Saccharomyces fragilis. Perani A, et al. J Mol Biol 55:107-12, 14 Jan 71

Membrane-associated protein synthesis of mammalian cells. I. The two classes of membrane-associated ribosomes. Rosbash M, et al. J Mol Biol 59:227-41, 28 Jul 71

Membrane-associated protein synthesis of mammalian cells. II. Isopycnic separation of membrane-bound polyribosomes. Rosbash M, et al. J Mol Biol 59:243-53, 28 Jul 71

Colicin E3-directed changes in ribosome function and polyribosome metabolism in Escherichia coli K12. Senior BW, et al. J Mol Biol 53:205-20, 28 Oct 70

Conservation and degradation of cytoplasmic and chloroplast ribosomes in Chlamydomonas reinhardtii. Siersma PW, et al. J Mol Biol 58:167-85, 28 May 71

Apparent maturation of Escherichia coli ribosomal RNA in vitro. Yuki A. J Mol Biol 56:435-9, 14 Mar 71

Fractionation of the RNA components of rat brain polysomes. Campagnoni AT, et al. J Neurochem 18:601-11, Apr 71

Regulation of protein synthesis in developing mouse brain tissue: in vitro binding of template RNA to brain ribosomes. Lerner MP, et al. J Neurochem 18:193-201, Feb 71

Changes in brain polyribosomes following an electro-convulsive seizure. MacInnes JW, et al. J Neurochem 17:457-60, Mar 70

Protein synthesis by cerebral ribosomes in term monkey fetuses after prolonged partial asphyxia. Holstein SB, et al. J Neuropathol Exp Neurol 30:141, Jan 71

Synthesis and degradation of liver ribosomal RNA in fed and fasted rats. Enwonwu CO, et al. J Nutr 101:337-45, Mar 71

Overall controls on the biosynthesis of ribosomes in growing bacteria. Koch AL. J Theor Biol 28:201-31, Aug 70

Polyribosomes and unstable messenger RNA. II. Some further implications of the tape theory of protein synthesis. Singh UN, et al. J Theor Biol 30:603-19, Mar 71

Inhibition of host protein synthesis during infection of Escherichia coli by bacteriophage T4. II. Induction of host messenger ribonucleic acid and its exclusion from polysomes. Kennell D. J Virol 6:208-17, Aug 70

Actinomycin D and hepatic polyribosomal disaggregation. Evidence for different half-lives of mRNA of free and membrane-boudn polyribosomes. Reid IM, et al. Lab Invest 25:141-8, Aug 71

Polyamine-induced activation of protein synthesis in ribosomal preparation from Helianthus tuberosus tissue. Cocucci S, et al. Life Sci [II] 7:113-20, 15 Feb 68

Amino acid incorporation activity of lettuce seed ribosomes during germination. Efron D, et al. Life Sci [II] 10:1015-9, 8 Sep 71

Differential sensitivity of the protein-synthesizing system of rat liver to 8-azaguanine. Kwn SW, et al. Life Sci [II] 9:975-83, 8 Sep 70

The in vitro synthesis and characteristics of ribosomal RNA in imaginal discs of Drosophila melanogaster. Petri WH, et al. Mol Gen Genet 110:245-62, 1971

Functional heterogeneity of the 30S ribosomal subunit of E. coli. Van Duin J, et al. Mol Gen Genet 109:169-76, 1970

Template activity of parainfluenza virus ribonucleoprotein. Bukrinskaya AG, et al. Nature (Lond) 228:1194-6, 19 Dec 70

Role of subunits in the ribosome cycle. Davis BD. Nature (Lond) 231:153-7, 21 May 71 (71 ref.)

Selective binding of ribosomes to initiation sites on single-stranded DNA from bacterial viruses. Ihler G, et al. Nature (Lond) 228:239-42, 17 Oct 70

Tissue-specific factor required for the translation of a mammalian viral RNA. Mathews MB. Nature (Lond) 228:661-3, 14 Nov 70

Chain termination of ribosomal RNA synthesis in vitro. Pettijohn DE, et al. Nature (Lond) 228:235-9, 17 Oct 70

Purification and properties of initiation factor F3. Sabol S, et al. Nature (Lond) 228:1269-73, 26 Dec 70

Activity of initiation factor F3 in dissociating Escherichia coli ribosomes. Subramanian AR, et al. Nature (Lond) 228:1273-5, 26 Dec 70

Incorporation of high molecular weight polynucleotides by isolated mitochondria. Swanson RF. Nature (Lond) 231:31-4, 7 May 71

Factor necessary for ribosomal RNA synthesis. Travers AA, et al. Nature (Lond) 228:748-51, 21 Nov 70

A prediction fulfilled. Nature (Lond) 228:1254-5, 26 Dec 70

Are ribosomes artefacts? Nature (Lond) 228:607-8, 14 Nov 70

Precursors of ribosomal RNA. Nature (Lond) 232:86, 9 Jul 71

Membrane bound polyribosomes. Nature (Lond) 232:15, 2 Jul 71

Early ribosomal RNA transcription and appearance of cytoplasmic ribosomes during germination of the wheat embryo. Chen D, et al. Nature [New Biol] 231:69-72, 19 May 71

Persistent cytoplasmic synthesis of ribosomal proteins during the selective inhibition of ribosomal RNA synthesis. Craig N, et al. Nature [New Biol] 229:75-80, 20 Jan 71

Lac DNA, RNA polymerase and cyclic AMP receptor protein, cyclic AMP, lac repressor and inducer are the essential elements for controlled lac transcription. De Crombrugghe B, et al. Nature [New Biol] 231:139-42, 2 Jun 71

Insulin and amino-acid regulation of polysomes in perfused, diabetic rat liver. Ekren T, et al. Nature [New Biol] 229:244-5, 24 Feb 71

Synthesis by ribosomes of viral coat protein containing ester linkages. Fahnestock S, et al. Nature [New Biol] 229:8-10, 6 Jan 71

Possible mechanism for transition of viral RNA from polysome to replication complex. Kolakofsky D, et al. Nature [New Biol] 231:42-6, 12 May 71

Ribosomes, G-factor and siomycin. Modolell J, et al. Nature [New Biol] 230:109-12, 24 Mar 71

Recognition of bacterial initiator tRNA by an initiation factor. Rudland PS, et al. Nature [New Biol] 231:76-8, 19 May 71

1 molecule of guanosine triphosphate is present in each 30S initiation complex. Thach SS, et al. Nature [New Biol] 229:219-21, 17 Feb 71

Effects of hypoxia on protein synthesis by cerebral ribosomes in monkey. Holstein SB, et al. Neurology (Minneap) 20:383, Apr 70

A new approach for carrier detection in Duchenne muscular dystrophy. Protein synthesis of muscle polyribosomes in vitro. Ionasescu V, et al. Neurology (Minneap) 21:703-9, Jul 71

Vitamin A and the synthesis of a lipid containing mannose in rat liver. Nutr Rev 29:67-9, Mar 71 (9 ref.)

Localization of a portion of the ribosomal RNA genes in Escherichia coli. Birnbaum LS, et al. Proc Natl Acad Sci USA 68:925-9, May 71

Dissociation of mammalian polyribosomes into subunits by puromycin. Biobel G, et al. Proc Natl Acad Sci USA 68:390-4, Feb 71

A translocation-associated ribosomal conformational change detected by hydrogen exchange and sedimentation velocity. Chuang D, et al. Proc Natl Acad Sci USA 68:1474-8, Jul 71

Unexpectedly large size of globin messenger ribonucleic acid. Gaskill P, et al. Proc Natl Acad Sci USA 68:72-5, Jan 71

Cell-free hemoglobin synthesis in beta-thalassemia. Gilbert JM, et al. Proc Natl Acad Sci USA 67:1854-61, Dec 70

Cellular site of Escherichia coli ribosomal RNA synthesis. Haywood AM. Proc Natl Acad Sci USA 68:435-9, Feb 71

Specificity of mRNA binding factor in eukaryotes. Heywood SM. Proc Natl Acad Sci USA 67:1782-8, Dec 70

Release of tRNA from ribosomes by a factor other than G factor. Ishitsuka H, et al. Proc Natl Acad Sci USA 66:168-73, May 70

Direction of chain elongation in the formation of Escherichia coli ribosomal protein. Iwata S, et al. Proc Natl Acad Sci USA 68:890-4, Mar 71

The mechanism of protein synthesis activation after fertilization of sea urchin eggs. Metafora S, et al. Proc Natl Acad Sci USA 68:890-4, Mar 71

The first steps of magnification of DNA complementary to ribosomal RNA in Drosophila melanogaster. Ritossa F, et al. Proc Natl Acad Sci USA 68:1580-4, Jul 71

Immunoglobulin synthesis and secretion. V. Incorporation of leucine and glucosamine into immunoglobulin on free and bound polyribosomes. Sherr CJ, et al. Proc Natl Acad Sci USA 66:1183-9, Aug 70

Sequential translation of trinucleotide codons for peptide bond formation, translocation, and termination. Tompkins RK. Proc Natl Acad Sci USA 66:1164-9, Aug 70

Sequetial translattion of trinucleotide codons for peptide bond formation, translocation, and termination. Tomplins RK. Proc Natl Acad Sci USA 66:1164-9, Aug 70

Phosphorylation of ribosome-associated protein by an adenosine 3':5'-cyclic monophosphate-dependent protein kinase: location of the microsomal receptor and protein kinase. Walton GM, et al. Proc Natl Acad Sci USA 68:880-4, May 71

Effect of vitamin A deficiency on the protein synthetic activity of rat liver ribosomes. Tryfiates GP, et al. Proc Soc Exp Biol Med 136:946-8, Mar 71

The effect of short term experiences on the incorporation of uridine into RNA and polysomes of mouse brain. Glassman E, et al. Progr Brain Res 32:245-9, 1970

In vitro an in vivo protein synthesis in Candida albicans. I. Isolation and protein synthesis of polysomes. Yamaguchi H, et al. Sabouraudia 8:177-88, Nov 70

The biosynthesis of protein by liver ribosomes. Campbell PN. Sci Basis Med Annu Rev 173-88, 1970 (25 ref.)

Ribosomal RNA synthesis and the multiple, atypical nucleoli in cleaving embryos. Emerson CP Jr, et al. Science 171:898-901, 5 Mar 71

Collagen polypeptides: normal release from polysomes in the absence of proline hydroxylation. Lazarides E, et al. Science 173:723-5, 20 Aug 71

Increasing the multiplicity of ribosomal RNA genes in Drosophila melanogaster. Tartof KD. Science 171:294-7, 22 Jan 71

In vitro protein synthetic activity of membrane-bound poliovirus polyribosomes. Roumiantzeff M, et al. Virology 44:249-58, May 71

Chain initiation during polypeptide synthesis in cell-free bacterial systems programmed with a plant viral messenger. The formation of N-acetylphenylalanylisoleucyl-tRNA on the messenger-ribosome complex. Verhoef NJ, et al. Virology 45:85-90, Jul 71

[Specificity of cistrons directing the synthesis of ribosomal RNA in animals, plants and bacteria] Distèche M, et al. Arch Int Physiol Biochim 78:584-6, Aug 70 (Fre)

[Effect of 2 translation initiation inhibitors on the interaction between messenger RNA and 40S ribosomal sub-particles] Lebleu B, et al. Arch Int Physiol Biochim 79:203-4, Jan 71 (Fre)

[Redundancy of ribosomal cistrons in the animal genome] Wegnez M. Arch Int Physiol Biochim 78:381-91, Apr 70 (Fre)

[Activity of diverse growth-phase E. coli ribosomes in protein biosynthesis in cell-free system] Michel S, et al. Acta Biol Med Ger 26:9-19, 1971 (Ger)

[Termination of protein synthesis] Träger L. Naturwissenschaften 57:560-4, Dec 70 (Ger)

[Studies on ribosomal proteins. 3. Alterations of the ribosomal ferritin-fraction induced by hepatotropic carcinogens] Meyer-Bertenrath JG, et al. Z Naturforsch [B] 25:744-8, Jul 70 (Ger)

[Nucleic acid content of subcellular fractions during chick embryo development] Casti A, et al. Boll Soc Ital Biol Sper 46:442-4, 30 Apr 70 (Ita)

[Breakdown of spleen ribosomal RNA during

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

immunogenesis] Stanchev BD.
Biokhimiia 35:420-3, May-Jun 70 (Rus)
[Function of ribosomes. I. Components of the protein-synthesizing system] Gavrilova LP, et al. Usp Sovrem Biol 64:197-222, Sep-Oct 67 (113 ref.) (Rus)
[Characteristics of viral RNA isolated from the polyribosomes of infected cells] Zhdanov VM, et al. Vopr Virusol 15:467-73, Jul-Aug 70 (Rus)
Aminoacyltransferase II catalyzed hydrolysis of GTP by muscle ribosomes from normal and diabetic rats] Leader DP, et al.
Acta Diabetol Lat 7:990-1003, Nov-Dec 70 (Mul)
[Ribosomes of mutant Streptomyces aureofaciens, producing various quantities of chlortetracycline] Polek B, et al. Biologia (Bratisl) 25:617-20, 1970 (Slo)

PATHOLOGY

Formation of ribosome dimers in brains of hypothermic rats. Raghupathy E, et al.
Biochem Biophys Res Commun 43:1223-31, 18 Jun 71

PHYSIOLOGY

Use of antibiotics in the study of ribosome action. Davis BD. Antimicrob Agents Chemother 9:11-7, 1969
Molecular biology of anticancer agents. Yarbro JW. Geriatrics 25:135-48, Oct 70
Characterization of a nonsense mutation affecting the acitivity of the dissociation factor of Escherichia coli ribosomes. Herzog A, et al.
Mol Gen Genet 110:211-7, 1971
Dissociation of ribosomes on polypeptide chain termination and origin of single ribosomes. Kaempfer R. Nature (Lond) 228:534-7, 7 Nov 70
[Cellular basis of interferon action--conversion of "active" ribosome to "sluggish" ribosome] Shiokawa K.
Protein Nucleic Acid Enzyme (Tokyo) 15:1452-62, Dec 70 (124 ref.) (Jap)

RADIATION EFFECTS

Mechanism of skin photosensitization by forucoumarins. Photoreactivity of various furocoumarins with native DNA and with ribosomal RNA. Rodighiero G, et al.
Biochim Biophys Acta 217:40-9, 17 Sep 70
Inactivation of Escherichia coli ribosomes by ultraviolet irradiation. 3. The activity of poly U-directed binding of phenylalanyl-tRNA. Yasuda K, et al. Biochim Biophys Acta 217:142-7, 17 Sep 70
Functional inactivation and appearance of breaks in RNA chains caused by gamma irradiation of Escherichia coli ribosomes. Kućan Z, et al.
Biophys J 11:237-51, Mar 71
Damage to biological samples caused by the electron beam during electron microscopy. Thach RE, et al. Biophys J 11:204-10, Feb 71
Effect of X-irradiation on yeast ribosomes in vitro. Ghosh N. Int J Radiat Biol 18:567-75, 1970
A comparison of the direct effect of gamma-rays on Escherichia coli ribosomes and bacteriophage f2. Petranović D, et al. Radiat Res 46:621-30, Jun 71
Hormone-mediated changes of liver polyribosomes in irradiated rats. Baeyens W, et al.
Strahlentherapie 140:204-12, Aug 70

RIBS (A2)

Two rare cases ofchonrblastoma, lolized in rib and is. Tanghe W, et al. Acta Orthop Belg 35:996-1009, 1969
Cartilaginous tumors of the ribs. Marcove RC, et al. Cancer 27:794-801, Apr 71
Benign chondroblastoma of rib. Golden JP.
Ir J Med Sci 140:118-25, Mar 71
Benign osteoblastoma of the rib: report of a case. DiGiglia JW, et al. South Med J 64:624-6, May 71
[Rib osteomas] Humplik M, et al.
Acta Chir Orthop Traumatol Cech 37:374-5, Dec 70 (Cze)
[Lesions of the rib in rheumatoid arthritis] Nienhuis RL. Ned Tijdschr Geneeskd 114:1480-4, 5 Sep 70 (Dut)
[Costal osteomyelitis in infants] Lejour M, et al.
Acta Paediatr Belg 23:57-68, 1969 (Fre)
[Costal localization revealing a case of Hodgkin's disease] Touzard RC.
J Chir (Paris) 100:411-4, Nov 70 (Fre)
[Chylothorax and Gorham's disease (or regional massive osteolysis)] Touraine R, et al.
J Fr Med Chir Thorac 25:315-26, Apr 71 (Fre)
[Apropos of a costal isolated eosinophilic granuloma in a patient with former pleuropulmonary tuberculosis] Crinquette J, et al.
J Sci Med Lille 87:295-300, Apr 69 (Fre)
[Costal chondromyxoid fibroma] Wiart P, et al.
J Sci Med Lille 88:673-6, Dec 70 (Fre)
[Intercostal abdominal hernia in an African] Herning R, et al. Mem Acad Chir (Paris) 94:315-7, 1968 (Fre)
[A case of eosinophilic granuloma of the jaws with a single localization in the ribs] Mugnier A, et al. Rev Stomatol Chir Maxillofac 71:539-42, Sep 70 (Fre)
[Primary rib osteomyelitis] Sanchez Lopez-Tello C, et al. Med Klin 66:565-7, 9 Apr 71 (Ger)
[Fibrous dysplasia of the skeleton] Pietrogrande V. Minerva Ortop 21:198-204, Mar 70 (Ita)
[Osseous metastases of neoplasms of the testis. (Clinico-radiological considerations)] Donati E. Radiobiol Radioter Fis Med 24:311-23, Sep-Oct 69 (Ita)
[Innervation of the levatores costarum in man-morphological notes on the paravertebral muscles] Sato T.
Acta Anat Nippon 46:172-92, Jun 71 (Jap)
[A case of malignant hemangio-endothelioma with metastasis to the cranium, humerus and rib] Mizusawa K. Folia Ophthalmol Jap 22:277-80, Apr 71 (Jap)
[Renal surgery through X and XI intercostal incision] Horiuchi S, et al. Shujutsu 25:164-7, Feb 71 (Jap)
[Pyothorax caused by rib inflammation] Dzienis H, et al. Wiad Lek 24:677-80, 1 Apr 71 (Pol)
[Unusual localizations of hydatidosis. Intraspinal cysts] Arcan P, et al.
Neurol Psihiatr Neurochir 16:37-44, Jan-Feb 71 (Rum)

ABNORMALITIES

[Diagnostic importance of the number of ribs in Down's syndrome] Janovec M.
Cesk Radiol 25:180-3, Jul 71 (Cze)
[Relations between morphea and costal osseous anomalies] Nini G.
G Ital Dermatol 44:531-4, Oct 69 (Ita)
[A case of early embryopathy in a newborn] Glowacka I, et al. Pediatr Pol 45:1391-3, Nov 70 (Pol)

ANATOMY & HISTOLOGY

The costovertebral joint. Anatomical observation in various mammals. Gloobe H, et al.
Anat Anz 127:22-31, 1970
A fine structure in the trabeculation of the human rib. Whitehouse WJ, et al. Br J Radiol 44:367-72, May 71
[Morphology and innervation of the levator muscles of the ribs and their relation to the lateral lumbar intertransverse muscles in humans and kangaroos] Langenberg W, et al.
Z Anat Entwicklungsgesch 130:255-64, 1970 (Ger)

ENZYMOLOGY

The origin of the serum alkaline phosphatase in normal rats. Righetti AB, et al.
Biochim Biophys Acta 230:504-9, 1971

PATHOLOGY

Percutaneous biopsy of vertebrae and ribs. Nordenström B.
Acta Radiol [Diagn] (Stockh) 11:113-21, Mar 71
Perinatal pathology of costochondral junction in relation to pulmonary hyaline membranes. Ivemark BI, et al. Arch Dis Child 45:711, Oct 70
The association between trabecular rarefaction in the costochondral junction and the idiopathic respiratory distress syndrome. Robertson B, et al.
Biol Neonate 16:342-53, 1970
Vertebral osteoporosis in ankylosing spondylitis. Hanson CA, et al. Clin Orthop 74:59-64, Jan 71
Hepatoma metastatic to rib. Shuffett WL, et al. JAMA 215:120, 4 Jan 71
[Unusual late metastasis in a rib. Contribution to the problems of the late metasteses] Jonas M, et al. Fortschr Geb Roentgenstr Nuklearmed 114:335-40, Mar 71 (Ger)

RADIOGRAPHY

[Contribution of angiography to the comprehension of spontaneous unilateral rib notching in the tetralogy of Fallot] Collard M, et al.
J Radiol Electrol Med Nucl 50:501-8, Jul-Aug 69 (Fre)
[Rib changes in acromegaly] Fischer E.
Fortschr Geb Roentgenstr Nuklearmed 112:789-92, Jun 70 (Ger)
[Radiodiagnosis of the costotransverse joint] Hohmann D, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:783-9, Jun 70 (Ger)
[Compact substance density of ribs and clavicle. Effect of demineralizing diseases] Fischer E, et al.
Med Klin 65:1212-6, 19 Jun 70 (Ger)
[A transverse zone of discontinuity in the roentgen picture of hte 1st rib in typical position] Detlefsen M, et al. Z Aerztl Fortbild (Jena) 64:292-6, 15 Mar 70 (Ger)

SURGERY

A technic for cervical rib resection. Schein CJ. Am J Surg 121:623-7, May 71
Experience with first rib resection for thoracic outlet syndrome. Roos DB. Ann Surg 173:429-42, Mar 71
Nontuberculous pleural empyema in adults. The role of a modified Eloesser procedure in its management. Symbas PN, et al. Ann Thorac Surg 12:69-78, Jul 71
Present status of surgical treatment of thoracic outlet syndrome. Taheri SA. Vasc Surg 4:217-28, Dec 70
[Surgery in thoracic outlet syndrome--the 1st rib resection by transaxillary approach] Tateishi A, et al.
Shujutsu 25:653-60, Jun 71 (Jap)
[Subclavian aneurysm in connection with the cervical rib] Skagseth K Jr. Nord Med 85:610-1, 13 May 71 (Nor)

TRANSPLANTATION

Autogenous bone cranioplasty. Leivy DM, et al. Acta Chir Scand 136:385-7, 1970
Autogenous perineal bone graft for post-prostatectomy incontinence. II. Technique and results of prosthetic fixation of urogenital diaphragm in man. Hinman F Jr, et al. J Urol 104:888-92, Dec 70
Cephalometric study of maxillary growth five years after alveolar bone grafting of cleft palate infants. Lynch JB, et al. Plast Reconstr Surg 46:564-7, Dec 70
Reconstruction of the chest wall. Froysaker T, et al. Scand J Thorac Cardiovasc Surg 4:183-6, 1970
[Expansion surgery with mucous membrane graft from the hard palate and rib cartilage graft for tracheal stricture] Miyake H, et al.
Shujutsu 25:668-73, Jun 71 (Jap)

RICE (B6, J)

Nitrogen retention of adult human subjects fed a high protein rice. Clark HE, et al.
Am J Clin Nutr 24:324-8, Mar 71
Nitrogen retention of young men fed rice with or without supplementary chicken. Lee CJ, et al.
Am J Clin Nutr 24:318-23, Mar 71
Production of ochratoxin A by Aspergillus ochraceus isolated in Japan from moldy rice. Yamazaki M, et al.
Appl Microbiol 20:452-4, Sep 70
The isolation of secalonic acid A from Aspergillus ochraceus cultured on rice. Yamazaki M, et al.
Chem Pharm Bull (Tokyo) 19:199-201, Jan 71
Feeding of infants with rice-milk mixtures. Huang PC, et al. J Formosan Med Assoc 70:135-45, 28 Mar 71
Fungal flora of South Vietnamese fish and rice. Townsend JF, et al. J Trop Med Hyg 74:98-100, Apr 71
Talc and asbestos contaminant of rice. Merliss RR.
JAMA 216:2144, 28 Jun 71
Leaf surface fungi of Oryza sativa Linn. Mishra RR, et al. Mycopathol Mycol Appl 44:289-94, 28 May 71
Semidwarf rice and wheat in global food needs. Athwal DS. Q Rev Biol 46:1-34, Mar 71 (119 ref.)
[Observations on the dynamics of populations of Trichispa sericea Guerin, Coleoptera Hispinae noxious to rice in Madagascar] Ravelojaona G. C R Soc Biol (Paris) 164:474-6, 25 Sep 70 (Fre)
[Comparative study of rice fields for leptospirora carriers among Micromys minutus] Ivanov I.
Folia Med (Plovdiv) 11:358-60, 1969 (Fre)
[Nitrogen-fixing bacteria of paddy fields in the South of Ukranian SSR] Debrivnaia IE.
Mikrobiol Zh 32:704-9, Nov-Dec 70 (Ukr)
[Nitrogen-fixing ability of blue-green algae in paddy fields in the South of the Ukrainian SSR] Kopteva Zhp, et al. Mikrobiol Zh 32:709-14, Nov-Dec 70 (Ukr)

GROWTH & DEVELOPMENT

[Effect of blue-green algae on growth of rice seedlings] Kopteva ZhP, et al.
Mikrobiol Zh 33:215-21, Mar-Apr 71 (Ukr)

METABOLISM

Absorption and translocation of diazinon by rice plants from submerged soils and paddy water and the persistence of residues in plant tissues. Sethunathan N, et al. J Econ Entomol 64:571-6, Jun 71
Studies on the nature of carbohydrate moiety in high yielding varieties of rice. Rao PS.
J Nutr 101:879-84, Jul 71

RICINOLEIC ACID see under FATTY ACIDS (D11)

RICINUS (B6)

see also specific
CASTOR OIL (D7, D11)

Effect of crystalline ricin on the biosynthesis of protein, RNA, and DNA in experimental tumor cells. Lin JY, et al. Cancer Res 31:921-4, Jul 71
Adjuvant activity of ricin as measured by Jerne's plaque technique. Koga T, et al.
Experientia 27:323-4, 15 Mar 71
A comparison of passive cutaneous anaphylaxis guinea pig responses using an intravenous or an intradermal route for antigen challenge. Mottola AC, et al.
J Am Oil Chem Soc 47:458-60, Nov 70
The mode of binding of sugars to ricin protein. Nanno S, et al. Jap J Med Sci Biol 24:39-42, Feb 71
[Ricin poisoning caused by chewing a castor bean] Kingma J.
Ned Tijdschr Geneeskd 115:1190-1, 10 Jul 71 (Dut)

ANALYSIS

Isolation and chemical properties of various types of

ricin. Funatsu G, et al.
Jap J Med Sci Biol 23:342-4, Oct 70
Chemical structure and toxicity of ricin D. Funatsu M, et al. Jap J Med Sci Biol 23:264-7, Aug 70

CYTOLOGY

Cytochemical and developmental changes in microbodies (glyoxysomes) and related organelles of castor bean endosperm. Vigil EL.
J Cell Biol 47:435-54, Sep 70

ENZYMOLOGY

The acid lipase of castor beans. Positional specificity and reaction mechanism. Noma A, et al.
Biochim Biophys Acta 227:106-15, 13 Jan 71
Distribution of ammonia-lyases in organelles of castor bean endosperm. Ruis H, et al.
Hoppe Seylers Z Physiol Chem 351:1425-7, Nov 70

GROWTH & DEVELOPMENT

Changes in morphological characters during germination of gamma-irradiated castor seeds. Thanki RJ, et al. Indian J Exp Biol 8:235-7, Jul 70

METABOLISM

Lipolysis in castor seeds: a reinvestigation of the neutral lipase. Ory RL, et al. Lipids 6:54-7, Jan 71

RADIATION EFFECTS

Changes in morphological characters during germination of gamma-irradiated castor seeds. Thanki RJ, et al. Indian J Exp Biol 8:235-7, Jul 70

RICKETS (C3, C13)

Conquest of deficiency diseases. 4. Rickets and osteomalacia. Aykroyd WR.
Indian J Med Sci 25:275-81, Apr 71
Rickets--a study of 300 cases. Agrawal JR, et al.
Indian Pediatr 6:792-8, Dec 69
[Study of normo- and hypocalcemic forms of infantile deficiency rickets] Vainsel M, et al.
Acta Paediatr Belg 24:401-13, 1970 (Fre)
[Rickets as a syndrome of metabolic disorders] Szczepski O, et al.
Pol Tyg Lek 25:1999-2002, 21 Dec 70 (19 ref.) (Pol)
[Current views on rickets] Sviatkina KA.
Pediatriia 50:9-14, Mar 71 (Rus)

CHEMICALLY INDUCED

Calcium absorption and the vitamin D 3-dependent calcium-binding protein. II. Recovery from dietary strontium inhibition. Corradino RA, et al.
Calcif Tissue Res 7:93-102, 1971
Ossification disturbances in children under antiepileptic treatment. Lässker G, et al.
Confin Neurol 33:55-66, 1971
Rickets and anticonvulsant therapy in children: a roentgenologic investigation. Lussier-Lazaroff J, et al. J Can Assoc Radiol 22:144-7, Jun 71

COMPLICATIONS

Rickets. Bhattacharyya AK.
Bull Calcutta Sch Trop Med 18:24-5, Jan 70
[Rachitic scoliosis] Ghosez JP.
Acta Orthop Belg 34:929-46, 1968 (Fre)
[Familial hypophosphatemia and vitamin-resistant rickets. Biochemical and genetic aspects] Poirier R, et al. Union Med Can 99:2209-14, Dec 70 (Fre)
Lung changes in rickety rats following experimental infection of the upper respiratory ways] Ströder J, et al. Z Kinderheilkd 109:135-41, 1970 (Ger)
[Rachitic deformities] Pipino F, et al.
Minerva Ortop 22:91-121, Apr 71 (Ita)
[Our personal observations on acid-base balance shifts in rickets tetany] Pronicka E, et al.
Pediatr Pol 46:577-82, May 71 (Pol)
[Changes in the mastication organ in children in the course of rickets caused by vitamin D deficiency] Wróblewska-Cieliszak K, et al.
Pediatr Pol 46:269-78, Mar 71 (Pol)

DIAGNOSIS

An epiphysometer and the community diagnosis of nutritional rickets. Jelliffe DB. Lancet 2:549, 4 Sep 71
Diagnosis of nutritional rickets. Lancet 2:28-9, 3 Jul 71
Was Virchow right about Neandertal? Mayr E, et al.
Nature (Lond) 229:253-4, 22 Jan 71
Calcium deficiency rickets?: Fanconi syndrome? Fareau G. Pediatrics 47:958-9, May 71
[Clinical aspects and biochemical diagnosis of hypophosphatasia] Mühlbach R, et al.
Beitr Orthop Traumatol 17:74-6, Jan 70 (Ger)

DRUG THERAPY

Comparative biological effects of vitamins D 2 and D 3 and dihydrotachysterol 2 and dihydrotachysterol 3 in the chick. Hibberd KA, et al.
Biochem Pharmacol 18:2347-55, Oct 69
Effect of hydrochlorothiazide on rickets and on renal tubular acidosis in two patients with cystinosis. Callis L, et al. Helv Paediatr Acta 25:602-19, Dec 70
Therapeutic studies in vitamin D refractory rickets. Report of four cases. Lapatsanis P, et al.
Isr J Med Sci 7:537-9, Mar 71
Possible detrimental effect of large doses of vitamin D in familial hypophysphatemic vitamin D-resistant rickets. Stickler GB, et al. J Pediatr 79:68-71, Jul 71
Toward better therapy for resistant rickets. West CD.
J Pediatr 79:181-2, Jul 71
Repeated doses of vitamin D in rickets. Khalifa AS, et al. J Trop Med Hyg 74:66-9, Mar 71
Analysis of dentine pathogenesis in vitamin D--resistant rickets. Tracy WE, et al.
Oral Surg 32:38-44, Jul 71
Vitamin D in rickets and hypophosphatemia. Mayer J.
Postgrad Med 48:280-1, Nov 70
[Effects of swine thyrocalcitonin on normal children and in various thyroid disorders and phospho-calcic metabolism disorders] Lambertz J, et al.
Arch Fr Pediatr 28:445-69, Apr 69 (Fre)
[Familial hypophosphatemia and vitamin-resistant rickets. Biochemical and genetic aspects] Poirier R, et al. Union Med Can 99:2209-14, Dec 70 (Fre)
[Richitis 1967--rachitism 1854] Pechstein J.
Z Allgemeinmed 47:67-70, 20 Jan 71 (Ger)
[The anti-rickets activity of pantothenic acid] Ryvkin AI. Pediatriia 50:17-9, Mar 71 (Rus)
[Comparative effectiveness of treatment of rickets with different preparations (ATP, videin, vitamin D)] Zhukova MV, et al.
Vopr Okhr Materin Det 15:83-5, Oct 70 (Rus)

ENZYMOLOGY

Alkaline phosphatase activity of duodenal juice in rickets due to vitamin D deficiency. Ozsoylu S, et al.
Acta Paediatr Scand 60:338-40, May 71
Lysosomal enzymes in cartilage and new bone in rachitic chicks. Havivi E. Isr J Med Sci 7:532-3, Mar 71
[Lactate dehydrogenase isoenzymes in rat heart, liver muscle and kidney in experimental rickets] Dakhil T, et al. Z Gesamte Exp Med 153:91-4, 1970 (Ger)
[Histochemical changes in the myocardium in experimental rickets] Sviatkina GB.
Pediatriia 49:40-1, Oct 70 (Rus)
[The activity of various enzymes in the blood of rachitic children] Barsegian RG.
Zh Eksp Klin Med 7:85-9, 1967 (Rus)

ETIOLOGY

Pathogenesis of rickets and osteomalacia in familial hypophosphataemia. Condon JR, et al.
Arch Dis Child 46:269-72, Jun 71
Simian bone disease: unrecognized rickets in rhesus monkeys. Simon WH, et al.
Clin Orthop 73:233-40, Nov-Dec 70
Iatrogenic rickets in low-birth-weight infants. Lewin PK, et al. J Pediatr 78:207-10, Feb 71
Diagnosis of nutritional rickets. Lancet 2:28-9, 3 Jul 71
Rickets: a common complication of neonatal hepatitis. Yu JS, et al. Med J Aust 1:790-2, 10 Apr 71
Rickets. Loomis WF. Sci Am 223:76-82 passim, Dec 70
Observations on nutritional rickets in childhood. Antia AU. West Afr Med J 19:169-72, Dec 70
[Vitamin D deficiency rachitis] Wilhelm G.
Monatsschr Kinderheilkd 117:653-9, Dec 69 (90 ref.) (Ger)
[Clinical and pathogenetic significance of hypocalcemia in rachitis caused by vitamin D deficiency] De Cicco N, et al.
Pediatria (Napoli) 77:217-28, 1969 (Ita)
[Changes in the mastication organ in children in the course of rickets caused by vitamin D deficiency] Wróblewska-Cieliszak K, et al.
Pediatr Pol 46:269-78, Mar 71 (Pol)

FAMILIAL & GENETIC

Familial vitamin D-refractory rickets. Gigliotti R, et al.
J Am Dent Assoc 82:383-7, Feb 71
[Hereditary pseudo-deficiency rickets with hypocalcemia] Jelonek A, et al.
Przegl Lek 27:427-30, 28 Jun 71 (Pol)

HISTORY

The treatment of rickets, as suggested by Boerhaave and Glisson and interpreted by Dr. John Theobald of Londin in 1764. (Theobald J), Cone TE Jr.
Pediatrics 46:619, Oct 70
[Richitis 1967--rachitism 1854] Pechstein J.
Z Allgemeinmed 47:67-70, 20 Jan 71 (Ger)
[Rickets from antiquity to the present time. Chronological history of the principle knowledge acquired from orthopedics] Simonetti E.
Arch Putti Chir Organi Mov 25:404-15, 1970 (Ita)

IMMUNOLOGY

[Phagocytosis in rickets] Kasal P, et al.
Z Kinderheilkd 108:149-55, 1970 (Ger)

METABOLISM

Metabolism of (1,2)3H-vitamin D3 and (26,27)3H-25-hydroxyvitamin D3 in rachitic chicks. Ponchon G, et al.
Arch Biochem Biophys 141:397-408, Dec 70
A further observation on the metabolism of calcium and inorganic phosphate in vitamin-D-resistant rickets, with reference to the effects of osteotomy and vitamin D. Steendijk R, et al.
Helv Paediatr Acta 25:527-9, Nov 70
Citrate metabolism in growth cartilage in rickets and following cortisone administration. Kunin AS, et al.
Isr J Med Sci 7:371-4, Mar 71
RNA and mucopolysaccharide metabolism in rachitic cartilage and bone. Simmons DJ, et al.
Isr J Med Sci 7:412-3, Mar 71
The role of the thyroid in the intestinal effect of vitamin D on rachitic rats. Winter M, et al.
J Endocrinol 48:541-4, Dec 70
Osteopathy in experimental uremia. Ritz E, et al.
Klin Wochenschr 49:113-5, 15 Jan 71
Metabolism of 25-hydroxycholecalciferol in nephrectomized rats. Schaefer K, et al.
Klin Wochenschr 49:708-10, 15 Jun 71
Intestinal calcium-binding protein and rickets. Krawitt EL, et al. Proc Soc Exp Biol Med 136:530-3, Feb 71
[Study on glycolysis and permeability of erythrocytes to orthophosphate ions in hereditary hypophosphatemic vitamin D-resistant rickets] Cartier P, et al. Clin Chim Acta 29:261-71, Aug 70 (Fre)
[Biologic basis of the sensitivity of rickets to vitamin D] Scriver CR. Union Med Can 100:462-74, Mar 71 (Fre)
[Studies of the origin of urinary amines in children] Berio A, et al. Minerva Pediatr 23:357-63, 3 Mar 71 (Ita)
[Pathogenesis of vitamin D-resistant rickets (phosphate diabetes)] Planeta-Malecka I, et al.
Wiad Lek 24:559-62, 15 Mar 71 (Pol)
[Changes in the concentration of vitamin B in the blood and urine of children with rickets during the 1st year of life] Garsevanishvili TI.
Pediatriia 50:14-6, Mar 71 (Rus)
[The tissue respiration in children with pneumonia during the 1st year of life] Pagava IK, et al.
Pediatriia 50:22-6, Mar 71 (Rus)
[Pantothenic acid levels in organs and tissues of animals with experimental rickets] Ryvkin AI.
Pediatriia 49:42-3, Oct 70 (Rus)

OCCURRENCE

[Observations on the occurrence of rickets in different forms of rickets prevention] Hennig E.
Med Monatsschr 24:535-8, Dec 70 (Ger)

PATHOLOGY

Comparison and changes in the articular, mandibular condylar and growth-plate cartilages during the onset and healing of rickets in rats. Durkin JF, et al.
Arch Oral Biol 16:689-706, Jul 71
The prevalence of halo volumes in familial vitamin D-resistant rickets. Buss RO, et al.
Calcif Tissue Res 7:76-80, 1971
[Experimental study on the problem of disturbed cartilage resorption in the rachitic epiphyseal plate] Riede UN. Beitr Pathol 144:23-32, Aug 71 (Ger)
[Ultrastructural studies of the epiphyseal plate in rachitic rats following mucopolysaccharide staining with ruthenium red] Riede UN, et al.
Virchows Arch [Zellpathol] 7:114-25, 1971 (Ger)

PHYSIOPATHOLOGY

[Phagocytosis in rickets] Kasal P, et al.
Klin Wochenschr 48:698-9, 1 Jun 70 (Ger)
[Renal function disorders in inborn errors of metabolism. 3. Renal function disorders in renal diabetes, Hartnup disease and rickets due to hypophosphatemia] Ito K.
Acta Paediatr Jap 75:515-24, 1971 (Jap)

PREVENTION & CONTROL

Rickets in the premature baby. Br Med J 3:205, 24 Jul 71
[Observations on the occurrence of rickets in different forms of rickets prevention] Hennig E.
Med Monatsschr 24:535-8, Dec 70 (Ger)
[Biological activity of ergocalciferol and cholecalciferol esters] Petrova EA, et al.
Vopr Pitan 29:19-22, Nov-Dec 70 (Rus)

RADIOGRAPHY

Roentgenologic changes in iron deficiency anemia. Agarwal KN, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Am J Roentgenol Radium Ther Nucl Med 110:635-7, Nov 70

The scapular sign in rickets. Weiss A.
Radiology 98:633-6, Mar 71

[Aspects o thoracic radiography in rachitic children] Radice C, et al.
Minerva Pediatr 22:1834-8, 15 Sep 70 (Ita)

THERAPY

Calcium deficiency rickets and the renal response to calcium infusion. Maltz HE, et al.
Pediatrics 46:865-70, Dec 70

[Ultraviolet regime in covered courts in the far north] Iatmanov NO. Gig Sanit 35:17-20, Oct 70 (Rus)

VETERINARY

Bone disease in pet monkeys. Resnick S.
J Am Vet Med Assoc 159:557-9, Sep 71

RICKETS, RENAL (C3, C6, C13)

COMPLICATIONS

[Tooth changes in genuine vitamin-D-resistant rickets] Schneider HR.
Schweiz Monatsschr Zahnheilkd 80:1154-62, 1970 (Ger)

THERAPY

Calcium deficiency rickets and the renal response to calcium infusion. Maltz HE, et al.
Pediatrics 46:865-70, Dec 70

RICKETTSIA (B3)

Rickettsial vaccines. Gear JH.
Br Med Bull 25:171-6, May 69

[A rickettsial disease of isopod crustaceans] Vago C, et al. C R Acad Sci [D] (Paris) 271:2061-3, 30 Nov 70 (Fre)

[Preservation of a Cowdria ruminantium strain by freezing] Ramisse J, et al.
Rev Elev Med Vet Pays Trop 23:313-6, 1970 (Fre)

[Recent results and actual problems in research on Rickettsiae] Weyer F.
Z Tropenmed Parasitol 21:313-28, Sep 70 (137 ref.) (Ger)

[Cytopathic action of Rickettsia (review)] Gudima OS.
Zh Mikrobiol Epidemiol Immunobiol 48:39-44, Apr 71 (49 ref.) (Rus)

ANALYSIS

[Study of the chemical composition of D. sibiricus] Somov GP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:21-4, Apr 70 (Rus)

CYTOLOGY

Differentiation of Babesia gibsoni and Haemobartonella canis. Ewing SA.
Am J Vet Res 31:2109-10, Nov 70

Modification of Field's stain for examination of growth forms of Babesia gibsoni. Fowler JL, et al.
Am J Vet Res 31:2110-1, Nov 70

Ultrastructure of rickettsia-like microorganisms in the midgut of a plant bug, Stenotus binotatus Jak. (Heteroptera: Miridae). Chang KP, et al.
Can J Microbiol 16:621-2, Jul 70

A rickettsialike microorganism in Dahlbominus fuscipennis (Zett.) (Hymenoptera, Eulophidae): observations on its occurrence and ultrastructure. Byers JR, et al. Can J Zool 48:959-64, Sep 70

Fine structure of Rickettsia canada in tissues of Dermacentor andersoni Stiles. Brinton LP, et al.
J Bacteriol 105:1149-59, Mar 71

[Comparative ultrastructure of Ricketsiella melolonthae (Rickettsiales Wolbachiae) and of the agent of venereal lymphogranulomatosis (Rickettsiales Clamydiaceae)] Devauchelle G, et al.
C R Acad Sci [D] (Paris) 272:2972-4, 7 Jun 71 (Fre)

DRUG EFFECTS

[Action of isobornyl-6-dimethyl-3-4-phenol on pathogenic rickettsia] Capponi M.
Bull Soc Pathol Exot 62:658-61, 1969 (Fre)

GROWTH & DEVELOPMENT

[Recent applications of cell and organ cultures in invertebrate pthology] Vago C, et al.
Annee Biol 9:573-85, Jul-Oct 70 (Fre)

[Influence of infection with Coxiella burneti on the cell in vitro and on the multiplication of Rickettsias] Pospíšil VF.
Sb Ved Pr Lek Fak Karlovy Univ 13:269-72, 1970 (Ger)

[Use of tissue culture for studying the agent of Asian tick-borne rickettsiosis] Golovanova AK.
Tr Leningr Inst Epidemiol Mikrobiol 37:100-6, 1970 (Rus)

[The relation between several biological properties of D. sibericus and conditions of cultivation] Golovanova AK.
Tr Leningr Inst Epidemiol Mikrobiol 37:107-14, 1970 (Rus)

[The intracellular development of D. sibiricus and D. conori. I. An electron microscopic study of vegetative and resting forms] Gudima OS, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:56-8, Oct 69 (Rus)

IMMUNOLOGY

Complement-fixing antibodies to rickettsial antigens in sera of primates. Kalter SS, et al.
Arch Gesamte Virusforsch 32:31-8, 1970

The serological response of Mongolian domestic animals to rickettsia prowazeki and mooseri antigens. Reiss-Gutfreund RJ.
G Batteriol Virol Immunol 63:455-7, Sep-Oct 70

Production of interferon in primary chick embryonic cells infected with Rickettsia mooseri. Kono S, et al.
J Immunol 105:1553-8, Dec 70

[Immunofluorescence and the phase variability of Rickettsia burneti] Amosenkova NI, et al.
Vopr Virusol 15:573-9, Sep-Oct 70 (Rus)

ISOLATION & PURIFICATION

Tick-borne ricktisiae of the spotted fever group in West Pakistan. I. Isolation of strains from ticks in different habitats. Robertson RG, et al.
Am J Epidemiol 92:382-94, Dec 70

Hemolymph test. A technique for detection of rickettsiae in ticks. Burgdorfer W.
Am J Trop Med Hyg 19:1010-4, Nov 70

Rickettsia-like organisms in the mid-gut of Anopheles stephensi. Venters D, et al.
Trans R Soc Trop Med Hyg 65:22, 1971

[Amblyomma variegatum of African or Antillean origin and Rickettsia of the Dermacentroxenus genus] Capponi M, et al.
Bull Soc Pathol Exot 62:1011-7, Nov-Dec 69 (Fre)

[Presence of rickettsia type particles in the saliva of a Homoptera vector of clover phyliody, Euscelis lineolatus Brullé (Homoptera jassidae)] Maillet PL.
Rev Can Biol 29:391-3, Dec 70 (Fre)

[Detection of rickettsial and ornithosis antigens in the indirect hemagglutination test using erythrocytes chemically joined to polycondensed immune globulins. 1. Use of sensitized erythrocytes prepared with the use of borofluoride bis-diphenyldiazonium for rapid demonstration of the agent of tick-borne rickettsioses] Gol'din RB, et al.
Vopr Virusol 15:366-71, May-Jun 70 (Rus)

PATHOGENICITY

Production of interferon in primary chick embryonic cells infected with Rickettsia mooseri. Kono S, et al.
J Immunol 105:1553-8, Dec 70

[Etiologic incidence of rickettsial and coxsackie infection in pregnancy interruptions: serologic study] Gillet JY, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:213-6, Apr-May 69 (Fre)

[Clinical picture, course and therapy of infectious keratoconjunctivitis caused by Rickettsiae and Moraxellae in a large calve stock] Illing K.
Monatsh Vet Med 24:947-9, 15 Dec 69 (Ger)

[Ticks as carriers of infectious diseases] Sinnecker H.
Z Gesamte Inn Med 24:Suppl:55-60, 1 Jan 69 (Ger)

[The relation between several biological properties of D. sibericus and conditions of cultivation] Golovanova AK.
Tr Leningr Inst Epidemiol Mikrobiol 37:107-14, 1970 (Rus)

RICKETTSIA PROWAZEKII (B3)

Experimental infections of Rickettsia prowazeki among domestic livestock and ticks. Ormsbee R, et al.
Am J Trop Med Hyg 20:117-24, Jan 71

CYTOLOGY

[An electron microscopic study of Rickettsia prowazekii] Gulevskaia SA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:82-5, Mar 70 (Rus)

[Comparative study of multiplication of vaccine (E) and virulent strains of Rickettsia prowazekii in cell cultures and their ultrafine structure] Ignatovich VF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:41-6, Oct 70 (Rus)

DRUG EFFECTS

[Comparative data on the effects of some antibiotics on pathogenicity of Rickettsia prowazekii] Klimchuk ND. Mikrobiol Zh 32:617-22, Sep-Oct 70 (Ukr)

IMMUNOLOGY

The serological response of Mongolian domestic animals to rickettsia prowazeki and mooseri antigens. Reiss-Gutfreund RJ.
G Batteriol Virol Immunol 63:455-7, Sep-Oct 70

[Soluble antigens of Rickettsia prowazekii in suspension before and after its treatment with ether] Balaeva NM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:110-4, Apr 70 (Rus)

PATHOGENICITY

Electron microscopy of vaccine and Breinl strains of Rickettsia prowazeki in louse gut cells. Shkolnik LY, et al. Acta Virol (Praha) 15:102-6, Jan 71

Study of the possibility of selection of the avirulent strain Rickettsia prowazeki E in cocultivation with a virulent strain of Rickettsia prowazeki in chick embryos. Balayeva NM.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:341-9, 1970

[The stability of increased virulence of vaccine strain E of Rickettsia prowazekii] Balaeva N, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:36-8, Aug 70 (Rus)

[Comparative study of multiplication of vaccine (E) and virulent strains of Rickettsia prowazekii in cell cultures and their ultrafine structure] Ignatovich VF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:41-6, Oct 70 (Rus)

RICKETTSIA RICKETTSII (B3)

ISOLATION & PURIFICATION

Haemocyte test--an easy, quick and reliable method for the detection of rickettsiae in ticks. Řeháček J, et al.
Acta Virol (Praha) 15:237-40, May 71

[Detection of rickettsial and ornithosis antigens in the indirect hemagglutination test using erythrocytes chemically joined to polycondensed immune globulins. 1. Use of sensitized erythrocytes prepared with the use of borofluoride bis-diphenyldiazonium for rapid demonstration of the agent of tick-borne rickettsioses] Gol'din RB, et al.
Vopr Virusol 15:366-71, May-Jun 70 (Rus)

RICKETTSIA TSUTSUGAMUSHI (B3)

[Rickettsia tsutsugamushi: current studies of the vectors and the antigens] Capponi M, et al.
Bull Soc Pathol Exot 64:30-7, Jan-Feb 71 (Fre)

[Antigen preparation from R. tsutsugamushi in tissue culture] Diufalleva RG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:101-3, Jul 70 (Rus)

RICKETTSIA TYPHI (B3)

[Bactocoumarin--a highly effective agent against rodents] Avramenkov LI, et al.
Veterinariia 10:36-8, Oct 70 (Rus)

RICKETTSIAL DISEASES (C1)

Summary of recent abstracts. VII. Rickettsial diseases. Cannon DA. Trop Dis Bull 68:913-9, Aug 71

Summary of recent abstracts. VII. Rickettsial diseases. Hennessey RS. Trop Dis Bull 67:913-20, Aug 70

[Botonneuse fever] Benekens-Kestelyn J, et al.
Arch Belg Dermatol Syphiligr 25:143-5, Jan-Mar 69 (Fre)

[3 severe cases of human rickettsial disease caused by R. conori without authenticated entomologic transmission] Bertoye A, et al.
Bull Acad Vet Fr 43:247-56, Jun 70 (Fre)

[Rickettsial diseases and neorickettsial diseases, a marital disease. From male urethritis to fetal hypotrophy. Apropos of 8 couples] Baron F, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:42-4, Jan-Mar 71 (Fre)

[Bacterial and rickettsial zoonoses] Girard G, et al.
Bull Soc Pathol Exot 62:200-14, 1969 (Fre)

[Tropical neorickettsial and rickettsial zoonoses] Giroud P, et al.
Bull Soc Pathol Exot 62:295-303, 1969 (Fre)

[Tetany and rickettsiosis. Rickettsia mooserii in the etiology of tetany] Le Gac P.
C R Acad Sci [D] (Paris) 271:1471-3, 19 Oct 70 (Fre)

[Importance of rickettsial or neorickettsial zoonoses demonstrated in human and animal pathology] Giroud P. Maroc Med 49:279-87, May 69 (Fre)

[Gynecological manifestations of rickettsioses and neorickettsioses] Jahier J, et al.
Rev Fr Gynecol Obstet 65:611-8, Nov 70 (Fre)

[Data on 2 cases of myocardiocoronopathy presumably caused by Coxiella burneti] Nuzzolo L, et al.
Boll Soc Ital Cardiol 14:898-903, Jun 70 (Ita)

[Acute respiratory syndromes caused by viruses and Rickettsia] Monaci V.
Resen Clin Cient 36:233-40, Nov-Dec 67 (Por)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

[Several indices of blood coagulation and fibrinolytic activity in tick-transmitted rickettsiosis] Kireeva RIa. Sov Med 33:59-62, 1970 (Rus)

CLASSIFICATION

[Which human rickettsioses are actual zoonoses?] Weyer F. Bull Soc Pathol Exot 62:277-85, 1969 (Fre)

COMPLICATIONS

[Multiple distal arteritis with skin necrosis of rickettsial origin] Dugois P, et al.
Bull Soc Fr Dermatol Syphiligr 76:681-2, 1969 (Fre)
[Monosymptomatic form of Rickettsia conori rickettsiosis associated with pure ocular lesions] Bonnet JL, et al.
Bull Soc Pathol Exot 62:1006-11, Nov-Dec 69 (Fre)
[Diagnostic problems in a case of African human trypanosomiasis] Coulaud JP, et al.
Bull Soc Pathol Exot 63:685-91, Nov-Dec 70 (Fre)
[Positive sero-reactions with the neorickettsial group (Bedsonia, Cytoecetes phagocytaphilia) observed in animals parasitized with Anaplasma, Babesia, Theileria, in different countries: Oriental and Central Africa, Madagascar, Iran, Sardinia, France] Giroud P, et al. Bull Soc Pathol Exot 63:630-5, Nov-Dec 70 (Fre)
[Multiple distal arteritis with necrosis of the thumbs of rickettsial origin] Dugois P, et al.
Lyon Med 222:709-10, 26 Oct 69 (Fre)
[Typhus and neuropathy. Diagnostic problems caused by a case of association of a pyramidal syndrome and a rickettsia-positive serology] Mazare Y, et al.
Lyon Med 225:Suppl:55-9, 1971 (Fre)
[Primary myocardial disease and infectious myocarditis] Debrunner F, et al.
Z Kreislaufforsch 58:1246-9, Dec 69 (Ger)

DIAGNOSIS

Indirect methods of diagnosis in rickettsial dermatoses. Principles and their value (from our experience in 550 cases). Noaghea G.
Rom Med Rev 14:51-4, 1970
[Acute cardiac failure with positive sero-agglutination to Rickettsia conori] Milon H, et al.
Arch Mal Coeur 63:1635-46, Nov 70 (Fre)
[Interpretation of the serologic response in rickettsial diseases] Capponi M.
Med Trop (Mars) 29:504-7, Jul-Aug 69 (Fre)
[Mediterranean boutonneuse fever: a diagnostic case in a traditional focus] Delpy P, et al.
Med Trop (Mars) 29:91-6, Jan-Feb 69 (Fre)
[Principles and methods for obtaining rickettsiosis and ornithosis sera for preparation of standard fluorescent conjugates. 1. Criteria and methods of assaying the activity of the sera] Gol'din RB.
Tr Leningr Inst Epidemiol Mikrobiol 37:155-63, 1970 (Rus)
[Principles and methods for obtaining rickettsiosis and ornithosis sera for preparation of standard fluorescent conjugates. 2. Schemes and methods of obtaining highly active sera] Gol'din RB, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:164-70, 1970 (Rus)
[Detection of rickettsial and ornithosis antigens in the indirect hemagglutination test using erythrocytes chemically joined to polycondensed immune globulins. 1. Use of sensitized erythrocytes prepared with the use of borofluoride bis-diphenyldiazonium for rapid demonstration of the agent of tick-borne rickettsioses] Gol'din RB, et al.
Vopr Virusol 15:366-71, May-Jun 70 (Rus)

DRUG THERAPY

Therapy of viral, mycoplasmal and rickettsial infections. Rytel MW, et al.
Wis Med J 70:116-20, Apr 71 (25 ref.)
[Action of isobornyl-6-dimethyl-3-4-phenol on pathogenic rickettsia] Capponi M.
Bull Soc Pathol Exot 62:658-61, 1969 (Fre)

IMMUNOLOGY

Complement-fixing antibodies to rickettsial antigens in sera of primates. Kalter SS, et al.
Arch Gesamte Virusforsch 32:31-8, 1970
Lymphocyte transformation in rickettsioses. Coonrod JD, et al. J Immunol 106:209-16, Jan 71

OCCURRENCE

Tick-borne diseases of domestic animals in Australia.
Bull Off Int Epizoot 73:121-9, Jan-Feb 70
[The crow of the Alps is infected by Rickettsia burnetti] Seigneurin R, et al.
Bull Acad Natl Med (Paris) 152:5-7, 9 Jan 68 (Fre)
[Rickettsia tsutsugamushi: current studies of the vectors and the antigens] Capponi M, et al.
Bull Soc Pathol Exot 64:30-7, Jan-Feb 71 (Fre)
[Rickettsioses endemic to the USSR and their reservoirs] Zdrodowski P, et al.
Bull Soc Pathol Exot 62:288-95, 1969 (Fre)
[Tick-borne spotted fever (fièvre boutonneuse), an imported infection] Stille W.
Dtsch Med Wochenschr 96:1116-8, 25 Jun 71 (Ger)
[Comparative characteristics of different methods of studying the immunologic structure of a population in endemic foci of Asian tick-borne rickettsiosis] Shafman MS, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:93-9, 1970 (Rus)
[Epidemiological significance of foci of Northern Asian tick-borne rickettsiosis in different topographical types in the Altaf region] Iastrebov VK.
Zh Mikrobiol Epidemiol Immunobiol 48:22-6, Apr 71 (Rus)
[The epidemiology of North Asia tick-borne rickettsiosis in Eastern Siberia] Mironchuk IuV, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:86-90, Oct 69 (Rus)
[Epidemiology of tick-borne rickettsiosis of Northern Asia in the Krasnoyarsk region, 1936-1967] Shafman MS, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:7-11, Apr 71 (Rus)

PATHOLOGY

[Influence of infection with Coxiella burneti on the cell in vitro and on the multiplication of Rickettsias] Pospíšil VF.
Sb Ved Pr Lek Fak Karlovy Univ 13:269-72, 1970 (Ger)

PREVENTION & CONTROL

Rickettsial vaccines. Gear JH.
Br Med Bull 25:171-6, May 69
[Immunogenesis in guinea pigs following immunization with different types of rickettsial vaccines] Iablonskaia VA.
Zh Mikrobiol Epidemiol Immunobiol 47:133-4, Jun 70 (Rus)

VETERINARY

Biology of Nanophyetus salmincola and "salmon poisoning" disease. Millemann RE, et al.
Adv Parasitol 8:1-41, 1970 (80 ref.)
Standards for docking tails of pups.
Aust Vet J 46:403, Aug 70
Diagnosis of tropical canine pancytopaenia (Ehrlichia canis infection) by immunofluorescence. Carter GB, et al. Res Vet Sci 12:318-22, Jul 71

RIDA see under SCRAPIE (C1, C10, C15)

RIFAMPICIN see under RIFOMYCIN (D3)

RIFAMPIN see under RIFOMYCIN (D3)

RIFOMYCIN (D3)

[Reward for rifampicin]
Dtsch Med Wochenschr 96:483, 12 Mar 71 (Ger)
[Several supplementary investigations on rifampicin (rifamycin AMP)] Kitamoto O, et al.
Jap J Antibiot 23:273-5, Jun 70 (Jap)
[Rifampicin and its clinical use] Fafrowicz B.
Wiad Lek 24:233-8, 1 Jul 71 (28 ref.) (Pol)

ADMINISTRATION & DOSAGE

Kinetic testing of drugs against Mycobacterium leprae in mice. Activity of cephaloridine, rifampin, streptovaricin, vadrine, and viomycin. Shepard CC, et al. Am J Trop Med Hyg 20:616-20, Jul 71
Rifampin in initial treatment of pulmonary tuberculosis. A U.S. Public Health Service tuberculosis therapy trial. Newman R, et al.
Am Rev Resp Dis 103:461-76, Apr 71
Rifampicin with ethambutol for drug-resistant tuberculosis. Pines A. Br J Dis Chest 65:178-81, Jul 71
A 'single dose' treatment of gonococcal urethritis with rifampicin. Ongom VL. Br J Vener Dis 47:188-9, Jun 71
Treatment of gonorrhoea with single oral doses. Results obtained with doxycycline or rifampicin compared with intramuscular penicillin. Steenbergen EP van. Br J Vener Dis 47:111-3, Apr 71
Combined rifampicin and erythromycin for bacterial endocarditis. Peard MC, et al.
Br Med J 4:410-1, 14 Nov 70
Drug interaction: decreased serum concentrations of rifampicin when given with P.A.S. Boman G, et al.
Lancet 1:800, 17 Apr 71
Studies on the antiviral effect of rifampicin in volunteers. Moshkowitz A, et al.
Nature (Lond) 229:422-4, 5 Feb 71
Hypocholesterolemic effect of rifampin in the monkey (M. fascicularis). Warner SD, et al.
Proc Soc Exp Biol Med 137:194-5, May 71
Rifampicin in the treatment of resistant pulmonary tuberculosis. Wäre M, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:113+, 1970
Suitability of rifampicin for intermittent administration in the treatment of tuberculosis. Dickinson JM, et al. Tubercle 51:82-94, Mar 70
Experimental "in vivo" studies of new antituberculosis drugs: capreomycin, ethambutol, rifampicin. Grumbach F. Tubercle 50:Suppl:12-21, Mar 69
Preliminary results with rifampicin in the treatment of drug-resistant tuberculosis. Pines A.
Tubercle 50:Suppl:50-2, Mar 69
[New drugs in the treatment of primary tuberculosis] Gerbeaux J, et al.
Ann Pediatr (Paris) 17:638-43, 2 Oct 70 (Fre)
[Results of treatment with rifampicin-isoniazid in 100 tubercular patients with sensitive bacilli a 6 to 24 month controlled experiment] Coury C, et al.
Rev Tuberc Pneumol (Paris) 34:688-97, Jul-Aug 70 (Fre)
[Comparative study of the treatment of pulmonary tuberculosis by a combination of rifampicin and isoniazid administered daily and twice weekly for a year] Decroix G, et al.
Rev Tuberc Pneumol (Paris) 35:39-54, Jan-Feb 71 (Fre)
[Treatment of 100 pulmonary tubercular patients whose bacilli are resistant to streptomycin, isoniazid and ethionamid, with a combination of rifampicin and ethambutol. Comparison between 2 dosages of rifampicin (weekly treatment for 4 months, biweekly for 8 months after)] Hétrick G, et al.
Rev Tuberc Pneumol (Paris) 34:715-6, Jul-Aug 70 (Fre)
[Serum rifampicin levels during low doses (300 mg per day)] Rautlin de la Roy Y de, et al.
Rev Tuberc Pneumol (Paris) 35:342-50, Apr-May 71 (Fre)
[Experiences with rimactan therapy of male gonorrhoeic urethritis] Kaufmann J.
Dermatologica 141:72-5, 1970 (Ger)
[Dosage and method of action of bactericidal drugs in relation to the "low resistance period" in animal experiment] Sackmann W.
Pathol Microbiol (Basel) 36:284, 1970 (Ger)
[Rifampicin for the topical treatment of thoracic empyema] Czanik P, et al.
Prax Pneumol 24:764-70, Dec 70 (Ger)
[Long-term results in endocavernous filling therapy] Friedel H, et al.
Z Erkr Atmungsorgane 133:62-3, Dec 70 (Ger)
[Kinetic rate constant changes of Rifampicin and bilirubin serum levels following single and repeated administration of different per kg doses in humans] Curci G, et al.
Arch Monaldi 25:427-40, Nov-Dec 70 (Ita)
[Intermittent treatment with Rifampicin in experimental tuberculosis in guinea pigs] Nitti V, et al. Arch Tisiol Mal Appar Resp 24:923-43, Dec 69 (Ita)
[Intra-arterial administration of SV rifomycin in the treatment of chronic osteomyelitis] Brunetti S, et al.
Riv Crit Clin Med 67:169-75, Apr 67 (Ita)
[Experimental studies on intermittent use of rifampicin alone or combined with other secondary antituberculous drugs] Suzuki T.
Kekkaku 46:153-64, May 71 (Jap)
[Anti-tuberculosis activity of rifampicin for experimental tuberculosis of mice] Toyoara M, et al.
Kekkaku 46:19-22, Jan 71 (Jap)
[Diphasic treatment of pulmonary tuberculosis in children using rifamycin, ethambutol and isoniazid] Bethlem N, et al.
Hospital (Rio de J) 78:35-48, Jul 70 (Por)
[Effect of rifampicin on the reproduction of DNA containing viruses in tissue culture cells] Goncharskaia TIa, et al.
Antibiotiki 16:295-8, 1971 (Rus)
[Experimental study of the most rational combinations of rifocin with different antibiotics in relation to inducers of surgical infection] Vasina TA, et al.
Antibiotiki 16:298-301, 1971 (Rus)

ADVERSE EFFECTS

Rifampicin and thrombocytopenia. Ferguson GC.
Br Med J 3:638, 11 Sep 71
Rifampicin jaundice. Gabriel R. Br Med J 3:182, 17 Jul 71
Potentially serious side effects of high-dose twice-weekly rifampicin. Poole G, et al.
Br Med J 3:343-7, 7 Aug 71
Rifampicin and thrombocytopenia. Cameron SJ.
Lancet 2:167, 17 Jul 71
Rifampicin and thrombocytopenia. Esposito R, et al.
Lancet 2:491-2, 28 Aug 71
Rifampicin and thrombocytopenia. Leggat PO.
Lancet 2:103-4, 10 Jul 71
Rifampicin and thrombocytopenia.
Med J Aust 2:994, 28 Nov 70
Jaundice associated with rifampicin. Hollins PJ, et al.
Tubercle 51:328-32, Sep 70
[Hepatic tolerance, in man, to rifampicin-isoniazid in combination (51 cases)] Plomteux G, et al.
Ann Gastroenterol Hepatol (Paris) 7:1-24, Jan-Feb 71 (Fre)
[Rifampicin and hepatic puncture biopsy] Bonneau H, et al. Mars Med 107:800-1, 1970 (Fre)
[Hepatic coma caused by a rifampicin overdosage] Taranger J, et al. Mars Med 107:923-5, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Severe hypoprothrombinemia in a tubercular patient treated by combined rifampicin, isoniazid, streptomycin and prothionamide] Hinaut G, et al. Rev Tuberc Pneumol (Paris) 34:291-5, Mar 70 (Fre)
[Increase in transaminases and jaundice during treatment with rifampicin combined with isoniazid] Kreis B, et al. Rev Tuberc Pneumol (Paris) 34:1097-106, Dec 70 (Fre)
[Jaundice epidemiology in 1,974 hospitalized tubercular patients, treated or untreated by rifampicin] Lesobre R, et al. Rev Tuberc Pneumol (Paris) 34:296-304, Mar 70 (Fre)
[Icterigenic hepatitis during the treatment with combined isoniazid and rifampicin. Clinical and experimental observations] Marche J, et al. Rev Tuberc Pneumol (Paris) 35:55-76, Jan-Feb 71 (Fre)
[Jaundice and cytolysis in patients receiving rifampicin and isoniazid at the same time] Morère P, et al. Rev Tuberc Pneumol (Paris) 34:1110-9, Dec 70 (Fre)
[Study of hepatic function in patients treated with rifampicin] Morère P, et al. Rev Tuberc Pneumol (Paris) 34:403-14, Apr-May 70 (Fre)
[Epidemiology of jaundice in phthisiology department: responsibility of rifampicin] Oury M, et al. Rev Tuberc Pneumol (Paris) 34:415-22, Apr-May 70 (Fre)
[Histological study of hepatitis observed during treatment with rifampicin (comparison with the results of research on the Australia antigen)] Tuchais E, et al. Rev Tuberc Pneumol (Paris) 35:185-96, Mar 71 (Fre)
[Jaundice and rifampicin] Piéron R, et al. Sem Hop Paris 47:1286-95, 26 Apr 71 (Fre)
[Hemolytic crisis due to rifampicin] Hasse W, et al. Prax Pneumol 25:466-8, Aug 71 (Ger)
[Effect of combined rifampicin therapy on transaminases] Sehm G. Prax Pneumol 25:329-38, Jun 71 (Ger)
[Effects of rifampicin (rifamycin AMP) on the fetus] Sakagami M, et al. Jap J Antibiot 23:454-63, Dec 70 (Jap)
[Investigations on the hepatic impairment caused by rifampicin--with special reference to the liver biopsy findings] Soejima R, et al. Kekkaku 46:1-4, Jan 71 (Jap)

ANALYSIS

Rifampin. Levels in serum and saliva and effect on the meningococcal carrier state. Devine LF, et al. JAMA 214:1055-9, 9 Nov 70

BLOOD

Pharmacokinetic interactions between the tuberculostatics rifampicin, para-aminosalicylic acid and isoniazid. Boman G, et al. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:15, 1970
Rifampin: effect of two-day treatment on the meningococcal carrier state and the relationship to the levels of drug in sera and saliva. Devine LF, et al. Am J Med Sci 261:79-83, Feb 71
The serum concentration of bactericidal antibiotics (rifampicin, cephaloridine) in relation to the low resistance period in experimental infections. Immunological investigations in experimental chemotherapy. V. Sackmann W. Chemotherapy 16:203-10, 1971
Urinary excretion of rifampicin and its metabolites as an index of rifampicin blood levels. Wardell WM, et al. NZ Med J 72:393-6, Dec 70
[Reduction of the blood level of rifampicin by phenobarbital] Rautlin de la Roy Y de, et al. Presse Med 79:350, 13 Feb 71 (Fre)
[Comparative study of the development of rifomycin blood levels in humans by 2 different microbiologic methods] Canetti G, et al. Rev Tuberc Pneumol (Paris) 34:93-106, 1970 (Fre)
[Serum rifampicin levels during low doses (300 mg per day)] Rautlin de la Roy Y de, et al. Rev Tuberc Pneumol (Paris) 35:342-50, Apr-May 71 (Fre)
[Kinetic rate constant changes of Rifampicin and bilirubin serum levels following single and repeated administration of different per kg doses in humans] Curci G, et al. Arch Monaldi 25:427-40, Nov-Dec 70 (Ita)

METABOLISM

[Renal clearance of rifampicin] Reubi F, et al. J Urol Nephrol (Paris) 76:829-33, Sep 70 (Fre)
[Rifampicin kinetics in enphropathic subjects] Borghetti A, et al. G Clin Med 51:857-76, Nov 70 (Ita)
[Absorption, distribution, metabolism and excretion of rifampicin (3-(4-methyl-1-piperazinyl-iminomethyl) rifamycin SV) in the rat] Akimoto T, et al. Jap J Antibiot 23:250-6, Jun 70 (Jap)
[Dynamics of the distribution of rifocin in patients with chronic tonsillitis at different methods of administration] Skurkovich GV, et al. Antibiotiki 15:1117-20, Dec 70 (Rus)
[Hepatic clearance and urinary excretion of rifamycin in patients with or without liver diseases] Rodriguez Garay EA, et al. Farmaco [Prat] 25:423-7, Jul 70 (Spa)
[Pharmacogenetic and interaction-model with some usual antitubercular agents] Hanngren A, et al. Nord Med 84:1204, 17 Sep 70 (Swe)

PHARMACODYNAMICS

Rifampicin in ophthalmology. Mikuni M, et al. Acta Med Biol (Niigata) 18:201-10, Dec 70
Sensitivity of Neisseria meningitidis to rifampin, penicillin, and sulfadiazine. O'Beirne A, et al. Am J Med Sci 262:33-7, Jul 71
Primary drug resistance: a continuing study of drug resistance in tuberculosis in a veteran population within the United States. IX. September 1969-September 1970. Hobby GL, et al. Am Rev Resp Dis 103:842-4, Jun 71
Inhibition by rifampin of mycobacteriophage D29 replication in its drug-resistant host, Mycobacterium smergmatis ATCC 607. Jones WD Jr, et al. Am Rev Resp Dis 103:618-24, May 71
Rifampin: in vitro effect on atypical mycobacteria. Rynearson TK, et al. Am Rev Resp Dis 104:272-4, Aug 71
The problems of drug-resistant pathogenic bacteria. Effect of rifampicin and selected rifamycin derivatives on staphylococcal beta-lactamase plasmids. Zimmermann W, et al. Ann NY Acad Sci 182:328-41, 11 Jun 71
In vitro susceptibility of Neisseria meningitidis to rifampin. Ivier D, et al. Antimicrob Agents Chemother 9:473-8, 1969
Susceptibility of Neisseria meningitidis strains from the civilian population to sulfadiazine, penicillin, and rifampin. Wiggins GL, et al. Appl Microbiol 20:893-8, Dec 70
The inhibition of variola minor virus multiplication by rifampicin. Pennington TH. Arch Gesamte Virusforsch 31:281-92, 1970
Studies on the effect of rifamide on hepatic function. Fiorillo AM, et al. Arzneim Forsch 21:358-60, Mar 71
Insensitivity of Bacillus amyloliquefaciens extracellular protease formation to rifampicin and actinomycin D. Both GW, et al. Biochem Biophys Res Commun 42:750-7, 19 Feb 71
Factors and rifampicin influencing RNA polymerase isolated from chromatin of eukaryotic cell. Mondal H, et al. Biochem Biophys Res Commun 40:1194-200, 10 Sep 70
Enzyme induction in the presence of rifampin, an inhibitor of the transcription process. Weyter FW, et al. Biochem Biophys Res Commun 43:862-7, 21 May 71
RNA breakdown in a thermophilic Bacillus exposed to rifampicin. Grinsted J, et al. Biochim Biophys Acta 217:202-3, 17 Sep 70
Inability of rifampicin to inhibit circadian rhythmicity in Acetabularia despite inhibition of RNA synthesis. Vanden Driessche T, et al. Biochim Biophys Acta 224:631-4, 14 Dec 70
Relationship between Rm values and antibiotic activity of rifamycins against E. coli and Staph. aureus. Biagi GL, et al. Farmaco [Sci] 25:755-60, Oct 70
Antiviral activity of rifamycins and N-aminopiperazines. Lancini G, et al. J Antibiot (Tokyo) 24:64-6, Jan 71
Rifampicin inhibition of ribonucleic acid and protein synthesis in normal and ethylenediaminetetraacetic acid-treated Escherichia coli. Reid P, et al. J Bacteriol 104:376-89, Oct 70
Biogenesis of vaccinia: effect of rifampicin on transcription. Pogo BG. J Child Psychol Psychiatry 12:576-81, Jun 71
Altered ribosomes after inhibition of Escherichia coli by rifampicin. Blundell MR, et al. J Gen Microbiol 63:xvii, Nov 70
The increased rate of loss of penicillinase plasmids from Staphylococcus aureus in the presence of rifampicin. Johnston JH, et al. J Gen Microbiol 60:137-9, Jan 70
Events in vaccinia virus-infected cells following the reversal of the antiviral action of rifampicin. Pennington TH, et al. J Gen Virol 9:225-37, Dec 70
In vitro studies with rifampicin on the stability of heart mitochondrial RNA. Gamble JG, et al. J Mol Biol 53:557-60, 14 Nov 70
Inhibition of growth of uninfected and rous sarcoma virus-infected chick-embryo fibroblasts by rifampicin. Robinson HL, et al. J Natl Cancer Inst 46:785-8, Apr 71
Inhibition of ribonucleic acid bacteriophage release from its host by rifampin. Engelberg H, et al. J Virol 7:847-8, Jun 71
Interruption by Rifampin of an early stage in vaccinia virus morphogenesis: accumulation of membranes which are precursors of virus envelopes. Grimley PM, et al. J Virol 6:519-33, Oct 70
Inhibition of poxvirus maturation by rifamycin derivatives and related compounds. Pennington TH, et al. J Virol 7:821-9, Jun 71
Mechanism of oncogenic transformation by Rous sarcoma virus. II. Effect of rifampin on Rous sarcoma virus infection. Richert NJ, et al. J Virol 8:62-5, Jul 71
Effect of rifampicin on poxvirus protein synthesis. Tan KB, et al. J Virol 6:326-32, Sep 70
[Studies for the determination of clinically available criteria of resistance of tubercle bacilli to rifampicin. Gomi J, et al. Kekkaku 45:317-22, Oct 70
Rifampicin: an immunosuppressant? Nilsson BS. Lancet 2:374, 14 Aug 71
RNA polymerase synthesis in vitro directed by T7 phage DNA. Herrlich P, et al. Mol Gen Genet 110:31-5, 1971
Interaction of RNA polymerase mutations in haploid and merodiploid cells of Escherichia coli K-12. Ilyina TS, et al. Mol Gen Genet 110:118-33, 1971
Dominance study with rifampicin-resistant mutants of E. coli K 12. Knüsel F, et al. Mol Gen Genet 108:331-7, 1970
Antiviral action of rifampin. Clark RJ. N Engl J Med 284:675, 25 Mar 71
Antitrachoma activity of rifamycin B and 8-O-acetyirifamycin S. Becker Y. Nature (Lond) 231:115-6, 14 May 71
Antiviral effect of constituent parts of the rifampicin molecule. Follett EA, et al. Nature (Lond) 230:117-8, 12 Mar 71
In vivo and in vitro suppression of humoral and cellular immunological response by rifampicin. Păunescu E. Nature (Lond) 228:1188-90, 19 Dec 70
Inhibitors of the RNA and DNA dependent polymerase activities of RNA tumour viruses. Gurgo C, et al. Nature [New Biol] 229:111-4, 27 Jan 71
Rifamycin SV: effect on RNA synthesis in meristematic cells of Allium cepa. Nagl W. Naturwissenschaften 57:458, Sep 70
Renal effects of antituberculous antibiotics. Raab WP. Pathol Microbiol (Basel) 36:73-80, 1970
Effect of rifampicin and two of its derivatives on cells infected with Moloney sarcoma virus. Calvin M, et al. Proc Natl Acad Sci USA 68:1441-3, Jul 71
The effect of rifampin on Toxoplasma gondii. Remington JS, et al. Proc Soc Exp Biol Med 135:167-72, Oct 70
Inhibitors of DNA polymerases of murine leukemia viruses: activity of ethidium bromide. Hirschman SZ. Science 173:441-3, 30 Jul 71
Assembly of virus particles during mixed infection with wild-type vaccinia and a rifampicin-resistant mutant. Moss B, et al. Virology 45:135-48, Jul 71
Assembly of vaccinia virus particles from polypeptides made in the presence of rifampicin. Moss B, et al. Virology 45:123-34, Jul 71
Effect of rifampicin on stability and transfer of R-factors. Krčméry V, et al. Z Allg Mikrobiol 11:97-101, 1971
Comparison of the influence of spermidine and monovalent salts on RNA synthesis. Petersen EE, et al. Z Naturforsch [B] 25:1042-6, Sep 70
The production of resistance to rifamycin SV in Staphylococcus aureus recovered from bovine udders. Ziv G. Zentralbl Veterinaermed [B] 17:633-6, Jun 70
[Metabolic behavior of Mycobacterium tuberculosis strain H37 Ra under action of rifampicin, comparison with isoniazid] Le Cam M, et al. Ann Inst Pasteur (Paris) 120:186-95, Feb 71 (Fre)
[Intermediary metabolism of mycobacteriae. II. A comparison between normal H37Ra strain and rifampicin resistant mutants from the same strain] Le Cam M, et al. Ann Inst Pasteur (Paris) 120:196-203, Feb 71 (Fre)
[A study of the composition of rifampicin- and ethambutol-resistant variants of wild strains of M. tuberculosis, cultivated on Loewenstein-Jensen medium] Le Lirzin M, et al. Ann Inst Pasteur (Paris) 120:531-48, Apr 71 (Fre)
[Number of rifampicin- and ethambutol-resistant variants in strains of atypical mycobacteria pathogenic for man, on Loewenstein-Jensen media] Le Lirzin M, et al. Ann Inst Pasteur (Paris) 120:549-59, Apr 71 (Fre)
[Sensitivity of Enterobacteriaceae to rifampicin. Laboratory study. Possibility of a "single-dose treatment" of convalescents from Shigella infections. Preoperative treatment for operations on the terminal intestine] Baiş MG, et al. Arch Roum Pathol Exp Microbiol 28:557-62, Jun-Sep 69 (Fre)
[Bactericidal power of antibiotic combinations of rifamycin S.V. on pathogenic staphylococci] Brunel A, et al. C R Soc Biol (Paris) 164:332-6, 25 Sep 70 (Fre)
[Rifampicin and liver function (72 punctures biopsies)] Taranger J, et al. Rev Tuberc Pneumol (Paris) 34:717-20, Jul-Aug 70 (Fre)
[Rifampicin sensitivity of mycobacteria] Daddi G, et al. Ann Ist Carlo Forlanini 29:17-28, 1969 (Ita)
[The virulence of Mycobacterium tuberculosis strains resistant to rifampicin. (Preliminary note)] Daddi G, et al. Ann Ist Carlo Forlanini 29:29-33, 1969 (Ita)
[Rifampicin and isoniazid in the intermittent treatment of experimental tuberculosis in guinea-pigs] Daddi G, et al. Ann Ist Carlo Forlanini 29:35-40, 1969 (Ita)
[Action of rifampicin on non-tubercular bacterial flora]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Lucchesi M, et al.
Ann Ist Carlo Forlanini 29:41-50, 1969 (Ita)
[Pharmacological studies of rifampicin] Aratani H, et al. Jap J Antibiot 23:242-9, Jun 70 (Jap)
[Activities of rifampicin, capreomycin, viomycin or kanamycin against Mycobacterium tuberculosis isolated from tuberculosis patients] Endo K.
Jap J Antibiot 23:387-9, Aug 70 (Jap)
[Bacteriological studies on rifampicin, a new antibiotic. 2. Antimicrobial activity of desacetyl-rifampicin] Nakazawa S, et al. Jap J Antibiot 23:240-1, Jun 70 (Jap)
[Effect of rifampicin on the optic nerve] Satoyoshi E.
Jap J Antibiot 23:403-10, Aug 70 (Jap)
[Virulence of rifampicin-resistant mutants of bacteria] Watanabe T, et al.
Jap J Bacteriol 26:192-9, Jun 71 (Jap)
[Studies on the assay method of microbiologically active concentrations in the sensitivity test media for antituberculous agents. 2] Kanazawa Y, et al.
Kekkaku 45:423-8, Dec 70 (Jap)
[An experimental study on the antituberculous activity of rifampicin] Toyoara M.
Kekkaku 46:211-6, Jun 71 (Jap)
[Antituberculosis properties of rifomycin in vitro] Janowiec M. Gruzlica 38:965-71, Oct 70 (Pol)

THERAPEUTIC USE

Sensitivity and appearance of resistance to rifampicin in N. gonorrhoeae. Juhlin I, et al.
Acta Pathol Microbiol Scand [B] 79:445, 1971
Rifampin: effect of two-day treatment on the meningococcal carrier state and the relationship to the levels of drug in sera and saliva. Devine LF, et al.
Am J Med Sci 261:79-83, Feb 71
Results after retreatment of advanced pulmonary tuberculosis with rifampin and other drugs. Pines A.
Am Rev Resp Dis 104:126-7, Jul 71
Rifampin: characteristics and role in the chemotherapy of tuberculosis. Vall-Spinosa A, et al.
Ann Intern Med 74:758-60, May 71
Rifampicin: a clinical survey. Bergamini N, et al.
Arzneim Forsch 20:1546-51, Oct 70
Fresh drugs for old problems. Walker AN, et al.
Br J Clin Pract 25:59-64, Feb 71
Drug-resistant pulmonary tuberculosis treated with ethambutol, a rifamycin and a riminophenazine (B663). Donaldson R, et al.
Br J Dis Chest 64:161-3, Jul 70
Rifadin (rifampicin) in the treatment of gonorrhoea in Uganda. A controlled trial. Arya OP, et al.
Br J Vener Dis 47:184-7, Jun 71
Rifamide in acute cholecystitis and biliary surgery. Bevan PG, et al. Br Med J 3:284-7, 31 Jul 71
Incidence of resistant pulmonary tuberculosis in relation to initial bacterial load, Rifampicin and INH in experimental tuberculosis. Kradolfer F, et al.
Chemotherapy 15:242-9, 1970
The combination of rifampicin and other antituberculous agents in chronic murine tuberculosis. Kradolfer F, et al.
Chemotherapy 16:173-82, 1971
The treatment of gonorrhea with spectinomycin and rifampicin. Labowitz R, et al.
Del Med J 42:353-5, Nov 70
Rifampicin-ethambutol in the treatment of resistant pulmonary tuberculosis. Hertrick C, et al.
Ger Med Mon 1:34-7, Spring 71
Control clinical trial with rimactane in fresh, untreated cases of pulmonary tuberculosis. Viswanathan R, et al.
Indian J Med Res 58:519-24, Apr 70
Evaluation of the effect of Rifampin on the nasopharyngeal carriage of Neisseria meningitidis. A preliminary report. Beam WE Jr, et al.
Int Z Klin Pharmakol Ther Toxikol 4:316-20, Apr 71
Clinical uses and control of rifampicin and clindamycin. Phillips I. J Clin Pathol 24:410-8, Jul 71
Trial of rifampicin in the treatment of pulmonary tuberculosis. A preliminary report. Sriyabhaya N, et al. J Med Assoc Thai 54:304-11, May 71
Rifampin. Levels in serum and saliva and effect on the meningococcal carrier state. Devine LF, et al.
JAMA 214:1055-9, 9 Nov 70
Antitumour activity of two antiviral drugs--rifampicin and tilorone. Adamson RH. Lancet 1:398, 20 Feb 71
Antitumour activity of L-asparaginase and rifampicin. Sinkovics JG. Lancet 2:48-9, 3 Jul 71
Rifampin. Med Lett Drugs Ther 12:37-8, 1 May 70
"Rifampin--now that the secret is out".
N Engl J Med 283:1347-8, 10 Dec 70
Rifampin inhibition of H-1 virus infection in hamsters. Engle CG, et al. Nature (Lond) 228:1190-1, 19 Dec 70
A comparative trial with combinations of rifampicin, ethambutol and isoniazid (Hydronsan) in previously untreated cases of pulmonary tuberculosis. Dormer BA, et al. S Afr Med J 45:897-9, 26 Jun 71
Rifampicin in the treatment of experimental tuberculosis in mice: sterilization of tubercle bacilli in the tissues. Batten J. Tubercle 51:95-9, Mar 70
The use of rifamycin SV in the treatment of bovine mastitis. Redaelli G, et al. Vet Rec 88:297-304, 20 Mar 71
[Rifampicin] Toušek J.
Cas Lek Cesk 110:742-3, 30 Jul 71 (Cze)
[Effect of rifomycin on the dynamics of experimentally induced tuberculous lesions] Diaconitza G, et al.
Acta Tuberc Pneumol Belg 62:62-81, Jan-Feb 71 (Fre)
[Research on the protective action of rifampicin administered intermittently in experimental tuberculosis in guinea pigs] Algeorge G, et al.
Ann Pediatr (Paris) 17:674, 2 Oct 70 (Fre)
[Use of rifampicin in ophthalmology] Musini A, et al.
Arch Ophtalmol (Paris) 30:809-16, Nov 70 (Fre)
[Must duration of treatment of tuberculosis be modified since utilization of rifampicine? Is prolonged rest always necessary?] Despierres G, et al.
Lyon Med 224:397-400, 25 Oct 70 (Fre)
[A new and powerful anti-tubercular drug: rifampicin] Chenebault J. Maroc Med 537:465-70, Jul 70 (Fre)
[A new and powerful anti-tubercular drug: rifampicin] Chenebault J. Maroc Med 50:465-70, Jul 70 (Fre)
[Clinical and therapeutic study of Rifampicine, apropos of 246 tuberculous patients treated with antibiotic association] Le Cam J, et al.
Mars Med 107:775-81, 1970 (Fre)
[Bacteriological efficacy of the treatment with Rifampicin (57 cases)] Taranger J, et al.
Mars Med 107:837-8, 1970 (Fre)
[A new antitubercular agent: rifampicin] Favez G.
Praxis 59:296-7, 24 Feb 70 (Fre)
[Contribution of the new antibiotics to phthisiological therapy] Perret, et al.
Rev Corps Sante Armees 12:41-55, Feb 71 (Fre)
[Study of a group of patients treated with rifampicin for more than a year] Albarède JL, et al.
Rev Tuberc Pneumol (Paris) 34:683-8, Jul-Aug 70 (Fre)
[Bacteriologic negation and anatomic development in pulmonary specimens after rifampicin treatment of less than 10 months (10 cases)] Constans P, et al.
Rev Tuberc Pneumol (Paris) 34:511-8, Jun 70 (Fre)
[Rifampicin in treatment of gangliopulmonary forms of initial tuberculosis in young infants and children] Dieu JC, et al.
Rev Tuberc Pneumol (Paris) 34:320-31, Mar 70 (Fre)
[Rifampicin, isoniazid (and streptomycin). (therapeutic results in primary complex pulmonary tuberculosis)] Fréour P, et al.
Rev Tuberc Pneumol (Paris) 34:698-706, Jul-Aug 70 (Fre)
[One-year experience with severe tuberculosis treated with rifampicin] Gharbi B el, et al.
Rev Tuberc Pneumol (Paris) 34:707-8, Jul-Aug 70 (Fre)
[Durable character of the sterilization of experimental tuberculosis in mice by rifampicin-isoniazid association: cortisone test] Grumbach F, et al.
Rev Tuberc Pneumol (Paris) 34:312-9, Mar 70 (Fre)
[Severe hypoprothrombinemia in a tubercular patient treated by combined rifampicin, isoniazid, streptomycin and prothionamide] Hinauț G, et al.
Rev Tuberc Pneumol (Paris) 34:291-5, Mar 70 (Fre)
[Survival of tuberculous bacilli in combined treatments including rifampicin] Kreis B, et al.
Rev Tuberc Pneumol (Paris) 34:429-33, Apr-May 70 (Fre)
[Intermittent treatment of "intractable chronic tuberculosis" by combined rifampicin-ethambutol: preliminary results of a controlled survey made in Algeria] Larbaoui D, et al.
Rev Tuberc Pneumol (Paris) 34:559-66, Jun 70 (Fre)
[Transaminase variation before and during rifampicin treatment of tuberculosis] Lévi-Valensi P, et al.
Rev Tuberc Pneumol (Paris) 34:422-8, Apr-May 70 (Fre)
[Anatomo-bacteriological criteria of the effect of rifampicin in the treatment of pulmonary tuberculosis] Morère P, et al.
Rev Tuberc Pneumol (Paris) 34:714, Jul-Aug 70 (Fre)
[Anatomic and bacteriologic testing of rifampicin effectiveness in treatment of pulmonary tuberculosis] Morère P, et al.
Rev Tuberc Pneumol (Paris) 34:434-8, Apr-May 70 (Fre)
[Treatment of intractable pulmonary tuberculosis: place of capreomycin in therapeutic programs with rifampicin and ethambutol] Oury M, et al.
Rev Tuberc Pneumol (Paris) 34:519-30, Jun 70 (Fre)
[Bacteriological evolution established in 406 tuberculosis patients treated with various combinations with or without rifampicin or INH] Parrot R, et al.
Rev Tuberc Pneumol (Paris) 34:709-13, Jul-Aug 70 (Fre)
[On a case of hepatic tuberculosis treated with rifampicine] Cachin M, et al.
Sem Hop Paris 47:1986-9, 26 Jun 71 (Fre)
[Place of ethambutol associated with isoniazid or with rifampicin in the treatment of pulmonary tuberculosis] Lesobre R, et al.
Therapeutique 47:387-90, Apr 71 (Fre)
[Efficacy of rifampicin on experimental mouse tuberculosis] Yoshida F.
Jap J Tuberc Chest Dis 16:35-43, Jul 70 (Ger)
[Drug therapy of tuberculosis in the child] Freerksen E.
Monatsschr Kinderheilkd 117:513-8, Aug 69 (130 ref.) (Ger)
[The simultaneous use of rifampicin and other antitubercular agents with oral contraceptives] Reimers D, et al.
Prax Pneumol 25:255-62, May 71 (Ger)
[Results of initial treatment of pulmonary tuberculosis using ethambutol, isonicotinic acid hydrazide and rifampicin] Kesztele V, et al.
Wien Med Wochenschr 120:473-5, 20 Jun 70 (Ger)
[A new antibiotic in the therapy of chronic pyelonephritis] Porpáczy P.
Wien Med Wochenschr 120:743-5, 17 Oct 70 (Ger)
[Clinical observations with rifampicin, a new bactericidal antibiotic] Stampfer E.
Wien Med Wochenschr 120:74-6, 31 Jan 70 (Ger)
[Rifomycin in repeated and primary treatment of extensive pulmonary tuberculosis] Gyselen A.
Z Erkr Atmungsorgane 133:451-7, Dec 70 (Ger)
[Our experiences with rifampicin and ethambutol in the treatment of pulmonary tuberculosis] Milutinović R, et al.
Z Erkr Atmungsorgane 133:485-91, Dec 70 (Ger)
[3. The influence of rifampicin on tumor induction by agrobacterium tumefaciens] Beiderbeck R.
Z Naturforsch [B] 25:735-8, Jul 70 (Ger)
[Experiences with new tuberculostatics in the treatment of urogenital tuberculosis (capreomycin, ethambutol, rifampicin)] May P, et al.
Z Urol Nephrol 62:657-62, 1969 (Ger)
[Synergistic effect of rifomycin SV and erythromycin] Banić S, et al.
Zentralbl Bakteriol [Orig] 216:418-20, 1971 (Ger)
[Rifampicin--a new antibiotic against viruses?] Heller A, et al. Harefuah 77:524-5, 1 Dec 69 (Heb)
[Rifampicin in the treatment of pulmonary tuberculosis] Daddi G, et al.
Ann Ist Carlo Forlanini 29:3-16, 1969 (Ita)
[The clinical use of rifampicin with special reference to tuberculous uveitis. (Preliminary results)] Esente I, et al. Ann Ottalmol Clin Ocul 95:78-90, Jan 69 (Ita)
[Clinical trial of a new antibiotic (rifampicin) in some aspecfic inflammatory diseases of the eye] Sborgia G, et al. Ann Ottalmol Clin Ocul 95:633-40, Jul 69 (Ita)
[Clinico-radiological results in 42 patients with pulmonary tuberculosis treated with Rifampicin] Lijoi N, et al. Arch Monaldi 25:201-34, May-Jun 70 (Ita)
[Changes in tubercular cavities in the course of treatment with Rifampicin] Marsico SA, et al.
Arch Tisiol Mal Appar Resp 24:975-80, Dec 69 (Ita)
[Activity of rifampicin in the treatment of pulmonary tuberculosis] Nitti V.
Arch Tisiol Mal Appar Resp 24:453-93, Jun 69 (Ita)
[Pediatric clinical experimentation with rifampicin. Therapeutic effect and tolerance] Valente G, et al.
Clin Pediatr (Bologna) 51:48-55, Jan 69 (Ita)
[Staphylococcal hospital infections. Staphylococcus carriers in the hospital environment. Their sterilization with rifampicin] Angela GC, et al.
G Batteriol Virol Immunol 63:485-98, Sep-Oct 70 (Ita)
[Action of rifamycin AMP on bacterial flora present in bronchial secretions] Ninni A, et al.
Rass Int Clin Ter 50:1338-42, 15 Nov 70 (Ita)
[Clinico-bacteriological study of the activity of rifampicin in acute and chronic urinary tract diseases] Pisano A, et al.
Rass Int Clin Ter 50:465-72, 30 Apr 70 (Ita)
[Clinical and pharmacological study of rifampicin in dentistry] Picchi N, et al.
Rass Int Stomatol Prat 21:265-72, Nov-Dec 70 (Ita)
[Clinical evaluation of rifampicin for urinary tract infection] Kobayashi H, et al.
Acta Urol Jap 17:429-42, Jun 71 (Jap)
[Comparison of clinical effect between rifampicin and aminobenzylpenicillin in urinary tract infections by double blind method] Narahashi K, et al.
Acta Urol Jap 16:781-6, Dec 70 (Jap)
[A double blind study of rifampicin] Nishiura T, et al.
Acta Urol Jap 16:619-23, Oct 70 (Jap)
[Therapeutic effect of rifampicin on gonococcal urethritis] Emoto K, et al.
Jap J Antibiot 23:464-7, Dec 70 (Jap)
[Clinical evaluation of rifampicin in urinary tract infections by double blind method] Hayashida K, et al.
Jap J Antibiot 23:411-5, Aug 70 (Jap)
[Treatment of the patients with multiple drug resistance--effect of rifampicin AMP] Tachibana T.
Kekkaku 46:37-8, Jan 71 (Jap)
[Antituberculous activity of rifampicin for the experimental tuberculosis of guinea pigs] Toyoara M.
Kekkaku 45:375-8, Nov 70 (Jap)
[Clinical experience with rifampicin] Yamamoto H, et al. Sanfujinka Jissai 20:198-202, Feb 71 (Jap)
[Rifampicin--application and side-effects] Midtvedt T.
Tidsskr Nor Laegeforen 90:2278, 15 Dec 70 (Nor)
[Study of some rifampicin and ethambutol resistant strains of Mycobacteria isolated in the vicinity of the district of Jassy] Timoșca S, et al.
Rev Med Chir Soc Med Nat Iasi 75:119-25, Jan-Mar 71 (Rum)
[Use of rifocin (rifamycin SV) in suppurative surgery of pulmonary tuberculosis] Gromova LS, et al.
Antibiotiki 15:1047-9, Nov 70 (Rus)
[New antitubercular preparations rifampicin and ethambutol] Utkin VV, et al.
Klin Med (Mosk) 49:39-45, Apr 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Experimental study of rifampicin and ethambutol] Kozulitsyna TI, et al. Probl Tuberk 49:64-8, 1971 (Rus)
[Preliminary report on the results of retreatment with rifomycin AMP and ethambutol] Ibarra JP, et al. Hoja Tisiol 26:113-26, 1969 (Spa)

TOXICITY

[Acute, subacute and chronic toxicity of rifampicin] Miyaji T, et al. Jap J Antibiot 23:257-72, Jun 70 (Jap)

URINE

Detection of rifampicin in urine by a simple microbiological assay. Mitchison DA, et al. Tubercle 51:300-4, Sep 70
[Urinary metabolites of rifampicin] Sano M, et al. Jap J Antibiot 23:416-20, Aug 70 (Jap)

RIFT VALLEY FEVER (C1)

Ultrafiltration as a method for concentrating Rift Valley fever virus grown in tissue culture. Klein F, et al. Appl Microbiol 21:758-60, Apr 71

DIAGNOSIS

Detection of Rift Valley fever virus by the fluorescent antibody technique in organs of experimentally infected animals. Pini A, et al. Res Vet Sci 11:82-5, Jan 70

RIFT VALLEY FEVER VIRUS see under

ARBOVIRUS (B4)

RIGOR MORTIS (G1)

Rigor mortis of the heart as an indicator of pre-slaughter stress. Thornton H. Vet Rec 89:41-2, 10 Jul 71
[Fetuses dying during labor and ejected in a state of cadaveric rigidity] Landes P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:339-40, Jun-Aug 70 (Fre)
[Primary dilatation of animal muscle in the early post mortem period] Döring G, et al. Z Rechtsmed 67:87-98, 1970 (Ger)

DRUG EFFECTS

[Studies on the beginning of rigor mortis in the ischemic guinea pig heart under normothermia. Effect of procaine, potassium and magnesium] Kirsch U. Arzneim Forsch 20:1071-4, Aug 70 (Ger)

RILEY-DAY SYNDROME see AUTONOMIC

DYSFUNCTION (C10) -- FAMILIAL AND

GENETIC

RILEY VIRUS see under RNA VIRUSES (B4)

RINDERPEST (C1, C15)

Studies on rinderpest culture vaccine. IV. The stability of the reconstituted product. Plowright W, et al. Res Vet Sci 12:40-6, Jan 71

DIAGNOSIS

[Cattle-plague and immunofluorescence. Application to the differential diagnosis of cattle-plague infection] Provost A. Bull Off Int Epizoot 73:915-28, Sep-Oct 70 (Mul)

HISTORY

A Warwickshire cattle plague association. Lane J. Vet Rec 87:312-4, 12 Sep 70
[100 years of rinderpest legislation--retrospect and prospect] Hussel L. Monatsh Vet Med 24:786-9, 15 Oct 69 (Ger)
[Cattle plague in the areas north of the Save and Danube in the first half of the 19th century. Determined from extant documents in the archives] Divljanović D, et al. Wien Tieraerztl Monatsschr 57:210-3, May 70 (Ger)

IMMUNOLOGY

The immunodepressive effect of rinderpest virus. Penhale WJ, et al. Clin Exp Immunol 6:627-32, Apr 70

OCCURRENCE

[Rinderpest in the Middle East in 1970. Some informative observations on the incidence of rinderpest in the Syrian Arab Republic] Bagdady M, et al. Monatsh Vet Med 26:269-72, 1 Apr 71 (Ger)

PATHOLOGY

The pathogenesis of rinderpest in the lymph nodes of cattle. Light and electron microscopic studies. Tajima M, et al. Am J Pathol 62:221-35, Feb 71

PREVENTION & CONTROL

Rinderpest eradication in India. Nilakantan PR. Indian Vet J 47:921-31, Nov 70
[Rinderpest vaccination trial of calves passively immune due to colostrum antibodies with an inactivated adjuvated vaccine prepared in cell cultures] Provost A, et al. Rev Elev Med Vet Pays Trop 22:473-9, 1969 (Fre)
[Clinical and immunologic behavior during rinderpest contamination of cattle vaccinated several years ago against rinderpest with cell culture vaccines] Provost A, et al. Rev Elev Med Vet Pays Trop 22:453-64, 1969 (Fre)
[Immunological studies on bovine pleuropneumonia. XI. A combined living antibovipestic antiperipneumonic vaccine inoculated at the same time. Concept, production, controls] Provost A, et al. Rev Elev Med Vet Pays Trop 23:143-62, 1970 (Fre)
[Recommendations of the O.I.E.-F.A.O. Regional Conference on Epizootics in Asia, the Far East and Oceania held in Canberra (Australia) 20-28 October 1969] Bull Off Int Epizoot 73:223-37, Jan-Feb 70 (Mul)

RINDERPEST VIRUS (B4)

Studies on rinderpest culture vaccine. 3. Stability of the lyophilised product. Plowright W, et al. Res Vet Sci 11:71-81, Jan 70

GROWTH & DEVELOPMENT

A plaque assay system for rinderpest virus and its use in characterising virus adsorption. Taylor WP, et al. Arch Gesamte Virusforsch 33:269-82, 1970
A comparative electron microscopic study on the morphogenesis of canine distemper and rinderpest viruses. Tajima M, et al. Jap J Vet Sci 33:1-10, Feb 71

IMMUNOLOGY

An indirect hemagglutination test of rinderpest virus. Ishii S, et al. Natl Inst Anim Health Q (Tokyo) 11:55-63, Summer 71
Susceptibility of cattle, buffaloes and swine in Cambodia to lapinized rinderpest virus. Sonoda A. Natl Inst Anim Health Q (Tokyo) 11:64-74, Summer 71
[Adaptation in microtest of the seroneutralization technic by the kinetic method for the research and titration of antibodies neutralizing the rinderpest virus] Rioche M. Rev Elev Med Vet Pays Trop 22:465-71, 1969 (Fre)

PATHOGENICITY

Studies on lapinised rinderpest virus. Bansal RP, et al. Indian Vet J 48:553-9, Jun 71
Susceptibility of cattle, buffaloes and swine in Cambodia to lapinized rinderpest virus. Sonoda A. Natl Inst Anim Health Q (Tokyo) 11:64-74, Summer 71
Clinical and serologic response of American white-collared peccaries to African swine fever, foot-and-mouth disease, vesicular stomatitis, vesicular exanthema of Swine, hog cholera, and rinderpest viruses. Dardiri AH, et al. Proc US Anim Health Assoc 73:437-52, 1969

RINGWORM see TINEA (C1, C12)

RIOTS (I)

see also related
VIOLENCE (F2)

Revolutionists among the Chicago demonstrators. Miller PR. Am J Psychiatry 127:752-8, Dec 70
The cost of commotion: an analysis of the psychiatric sequelae of the 1969 Belfast riots. Fraser RM. Br J Psychiatry 118:257-64, Mar 71
Psychiatric sequelae of the Belfast riots. Lyons HA. Br J Psychiatry 118:265-73, Mar 71
The injuries and management of riot casualties admitted to the Belfast hospital wards, August to October, 1969. Robb JD, et al. Br J Surg 58:413-9, Jun 71
Riots and health. Br Med J 2:354, 15 May 71
Riot control agents. Introduction. Kaiman SM. Fed Proc 30:84-5, Jan-Feb 71
Toxicity of CS. Lancet 2:698, 25 Sep 71
Effects of the Baltimore riots on psychiatric hospital admissions. Klee GD, et al. Ment Hyg 54:447-9, Jul 70
Skin sensitization potential of the riot control agents BBC, DM, CN and CS in guinea pigs. Rothberg S. Milit Med 135:552-6, Jul 70
Hospital disaster plan meets 40 hour test during racial rioting. Brown BL Jr. Mod Hosp 115:85-7, Oct 70

RISK-TAKING see under GAMBLING (F1, F2)

RISTOCETIN (D3)

On the Streptomyces albus G DD carboxypeptidase mechanism of action of penicillin, vancomycin, and ristocetin. Leyh-Bouille M, et al. Biochemistry 9:2971-5, 21 Jul 70

RITALIN see METHYLPHENIDATE (D6)

RITTER'S DISEASE see under DERMATITIS

EXFOLIATIVA (C12)

RNA (D10)

see also related
ENDOPLASMIC RETICULUM (A11)
GENETIC CODE (G1)
MICROSOMES (A11)
NISSL BODIES (A8, A11)
NUCLEIC ACID DENATURATION (G1)
RIBOSOMES (A11)

Optimal conditions for counting of precipitated 3H-RNA on glass-fiber filters. Birnboim HC. Anal Biochem 37:178-82, Sep 70
Evaluation of different scintillation cocktails for counting of tritiated ribonucleic acid separated by sucrose gradient centrifugation. McDowell RE, et al. Anal Biochem 41:338-43, Jun 71
Structure and synthesis of ribosomal RNA. Attardi G, et al. Annu Rev Biochem 39:183-226, 1970 (351 ref.)
The ribonucleoprotein particles from nuclear residual proteins of calf thymus. Hu A, et al. Arch Biochem Biophys 144:549-55, Jun 71
Incidence of antibodies to double-stranded RNA in systemic lupus erythematosus and related diseases. Schur PH, et al. Arthritis Rheum 14:342-7, May-Jun 71
RNA as a template with E. coli DNA polymerase. Cavalieri LF, et al. Biochem Biophys Res Commun 41:1055-60, 25 Nov 70
Disaggregation of giant "DNA-like RNA" of yeast by denaturation in the presence of formaldehyde. De Kloet SR, et al. Biochem Biophys Res Commun 40:454-60, 27 Jul 70
Optical absorbance properties of mitochondrial ribosomal RNA. Edelman M, et al. Biochem Biophys Res Commun 42:208-13, 22 Jan 71
Variation with temperature of the apparent molecular weight of rat-liver mitochondrial RNA, determined by gel electrophoresis. Groot PH, et al. Biochem Biophys Res Commun 41:1321-7, 9 Dec 70
A nuclease from animal serum which hydrolyzes double-stranded RNA. Stern R. Biochem Biophys Res Commun 41:608-14, 9 Nov 70
Binding of transfer factor II to ribosomal RNA and inhibition of the binding by guanosine nucleotides. Traugh JA, et al. Biochem Biophys Res Commun 40:1437-44, 30 Sep 70
Hybrid 80S monomers formed from subunits of ribosomes from protozoa, ungi, plants, and mammals. Martin TE, et al. Biochem Genet 4:803-15, Oct 70
Molecular hybridization between rat liver deoxyribonucleic acid and complementary ribonucleic acid. Melli M, et al. Biochem J 120:225-35, Nov 70
Mechanism of carcinogenesis with 1-aryl-3,3-dialkyltriazenes. II. In vitro-alkylation of guanosine, RNA and DNA with aryl-monoalkyltriazenes to form 7-alkylguanine. Preussmann R, et al. Biochem Pharmacol 19:1505-8, Apr 70
Effects of dimethyl sulfoxide on the degradation of ribonucleic acid catalyzed by alkali. Bartolomé J, et al. Biochemistry 9:4509-13, 10 Nov 70
Iodination of nucleic acids in vitro. Commerford SL. Biochemistry 10:1993-2000, 25 May 71
Analysis of transcription in vitro using purine nucleotide analogs. Darlix JL, et al. Biochemistry 10:1525-31, 27 Apr 71
Interaction of metal ions with nucleic acids and related compounds. XVI. Specific cleavage effects in the depolymerization of ribonucleic acids by zinc(II) ions. Eichhorn GL, et al. Biochemistry 10:2014-9, 25 May 71
Role of molecular conformation in determining the electrophoretic properties of polynucleotides in agarose-acrylamide composite gels. Fisher MP, et al. Biochemistry 10:1895-9, 11 May 71
Differences between hybridizable RNA during growth and differentiation of Physarum polycephalum. Chet I, et al. Biochim Biophys Acta 213:478-83, 8 Aug 70
An internal standard for the determination of buoyant density of RNA in CsCl density gradient. Daniel E, et al. Biochim Biophys Acta 224:311-8, 14 Dec 70
Rat liver cytoplasmic ribonucleic acids: some aspects of their localization and isolation. Dingman CW, et al. Biochim Biophys Acta 224:114-27, 12 Nov 70
Characterization of RNA in fractions of calf thymus chromatin. Hayden HW von, et al. Biochim Biophys Acta 232:651-60, 8 Apr 71
A DNA-like RNA fraction in the posterior silkgland of the wax moth, Galleria mellonella (L.). Ishikawa H, et al. Biochim Biophys Acta 232:661-70, 8 Apr 71
Molecular hybridization of 3H-labelled ribosomal RNA

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

with DNA in ultrathin sections prepared for electron microscopy. Jacob J, et al.
Biochim Biophys Acta 228:761-6, 11 Feb 71

Isolation and characterization of nucleic acids from Volvox carteri. Kochert G, et al.
Biochim Biophys Acta 238:397-405, 27 May 71

Degradation of poly A and double-stranded RNA by aggregates of pancreatic ribonuclease. Libonati M.
Biochim Biophys Acta 228:440-5, 28 Jan 71

RNA breakdown accompanying the isolation of pea root microsomes. An analysis by polyacrylamide gel electrophoresis. Payne PI, et al.
Biochim Biophys Acta 224:128-35, 12 Nov 70

Segments of 28-S RNA protected from pancreatic ribonuclease by interaction with ribosomal proteins. Petrović S, et al.
Biochim Biophys Acta 217:95-107, 17 Sep 70

Studies on nucleic acids of living fossils. I. Isolation and characterization of DNA and some RNA components from the brachiopod Lingula. Shimizu N, et al.
Biochim Biophys Acta 232:271-7, 11 Mar 71

Diethyl pyrocarbonate, a new tool in the chemical modification of nucleic acids? Solymosy F, et al.
Biochim Biophys Acta 238:406-16, 27 May 71

Formation in vitro of A 5.8-S-26-S sea urchin rRNA complex. Sy J, et al.
Biochim Biophys Acta 228:517-25, 28 Jan 71

The stabilization of nucleic acid structures. Melcher G.
Biophysik 7:29-32, 1970

Development, structure and composition of lampbrush chromosomes in domestic fowl. Ahmad MS.
Can J Genet Cytol 12:728-37, Dec 70

Multiple intramuscular myxomas. Another extraskeletal manifestation of fibrous dysplasia. Wirth WA, et al. Cancer 27:1167-73, May 71

Changes in hybridizable nuclear RNA during the neoplastic development of mouse mammary cells. Turkington RW. Cancer Res 31:427-32, Apr 71

On the participation of lowpolymeric (3S) ribonucleic acid in the branching reaction of polysaccharides. Petrova AN, et al. Enzymologia 40:127-39, 28 Feb 71

Breakage of nucleic acids as initiative process of cytodifferentiation and cytoanomalization. Yamafuji K, et al. Enzymologia 40:107-19, 28 Feb 71

The effect of temperature and ionic strength of the electrophoretic mobility of yeast mitochondrial RNA. Grivell LA, et al. Eur J Biochem 19:64-72, 1 Mar 71

Partial enzymic digestion of 50S ribosomal subunits from Escherichia coli. Spencer ME, et al.
Eur J Biochem 19:451-6, 30 Apr 71

Simultaneous differential staining of nucleic acids and proteins in histological tissues by means of J-band effect. Haag D, et al. Histochemie 26:190-3, 1971

Interaction between spermine and histones at nucleoprotein formation. Agrell I, et al.
Hoppe Seylers Z Physiol Chem 352:39-42, Jan 71

Observations on the affinity between polyamines and nucleic acids. Heby O, et al.
Hoppe Seylers Z Physiol Chem 352:29-38, Jan 71

Polyacrylamide-agarose disc electrophoretic pattern and radioautography of the RNA labelling in liver cytoplasm and total liver of thioacetamide treated rats. Stenram U.
Hoppe Seylers Z Physiol Chem 352:674-82, May 71

In vitro induction of anti-DNP antibody by immunogenic RNA from rabbit liver. Duke LJ, et al.
Immunochemistry 8:431-55, May 71

Antibodies to ribosomal ribonucleic acid (rRNA) in patients with systemic lupus erythematosus (SLE). Lamon EW, et al. Immunology 19:439-42, Sep 70

Appearance of a new species of ribonucleic acid during sporulation in Saccharomyces cerevisiae. Kadowaki K, et al. J Bacteriol 105:826-30, Mar 71

Specificity of the cucumber mosaic virus-induced RNA polymerase for RNA and polynucleotide templates. May JT, et al.
J Child Psychol Psychiatry 12:517-26, Jun 71

Inhibition of antigodies binding polyinosinic-polycytidylic acid in human and mouse lupus sera by viral and synthetic ribonucleic acids. Talal N, et al. J Clin Invest 50:1248-52, Jun 71

Simultaneous demonstration of nucleic acids and lipids with fluorescence microscopy. Dutta GP.
J Histochem Cytochem 18:760-1, Oct 70

Association of polypeptides with ribonucleic acid. I. Effect of charge of the polypeptide and immune status of animals. Egan ML, et al.
J Immunol 107:540-6, Aug 71

Transfer of the delayed hypersensitivity skin reaction in the guinea pig using RNA-treated lymphoid cells. Jurexiz RE, et al. J Immunol 105:1313-21, Dec 70

Interspecies "transfer" of delayed hypersensitivity in vitro with RNA extracts. Paque RE, et al.
J Immunol 105:1334-8, Dec 70

Binding of a polypeptide antigen to ribonucleic acid from macrophage, HeLa and Escherichia coli cells. Roelants GE, et al. J Immunol 106:1222-6, May 71

Studies of fractionated HeLa cell metaphase chromosomes. II. chromosomal distribution of sites for transfer RNA and 5 s RNA. Aloni Y, et al.
J Mol Biol 58:555-63, 28 Mar 71

Calculation of interaction energy between triplets in the RNA 11 configuration. Claverie P.
J Mol Biol 58:75-82, 28 Feb 71

Proportion of HeLa cell genome complementary to transfer RNA and 5 s RNA. Hatlen L, et al.
J Mol Biol 58:535-53, 28 Mar 71

Fractionation of heterogeneous nuclear RNA: rates of hybridization and chromosomal distribution of reiterated sequences. Pagoulatos GN, et al.
J Mol Biol 54:517-35, 28 Dec 70

Transcription of the ribosomal RNA genes of an amphibian by the RNA polymerase of a bacterium. Reeder RH, et al. J Mol Biol 51:361-77, 28 Jul 70

Electron microscopic visualization of mitochondrial RNA-DNA hybrids. Robberson D, et al.
J Mol Biol 55:267-70, 28 Jan 71

5 s RNA molecules formed by reassociation of separated fragments. Jordan BR, et al.
J Okla State Dent Assoc 59:219-22, 14 Jul 71

Experimental salmonellosis: differential passive transfer of immunity with serum and cells obtained from ribosomal and ribonucleic acid-immunized mice. Venneman MR, et al.
J Reticuloendothel Soc 9:491-502, May 71

Transcription of the influenza ribonucleic acid genome by a virion polymerase. II. Nature of the in vitro polymerase product. Bishop DH, et al.
J Virol 8:74-80, Jul 71

Isolation and characterization of a double-stranded ribonucleic acid from Penicillium chrysogenum. Lemke PA, et al. J Virol 6:813-9, Dec 70

Transfer agent of immunity. VI. Serial passive transfers of cellular immunity to Salmonella infection ribonucleic acid. Saito K, et al.
Jap J Microbiol 15:159-68, Mar 71

The stability of nucleoprotein complexes at varied ionic strength. Agrell I.
Life Sci [II] 10:349-54, 22 Mar 71

Interactions between denatured DNA and RNA at the formation of nucleohistones. Agrell IP.
Life Sci [II] 10:691-9, 22 Jun 71

RNA dependent DNA polymerase of human acute leukaemic cells. Gallo RC, et al.
Nature (Lond) 228:927-9, 5 Dec 70

Specific ribonucleoprotein fragment from the 30S subunit of E. coli ribosomes. Brimacombe R, et al.
Nature [New Biol] 231:209-12, 16 Jun 71

Interferon induction: DNA-RNA hybrid or double stranded RNA? Colby C, et al.
Nature [New Biol] 229:172-4, 10 Feb 71

Homology of double stranded RNA from rat liver cells with cellular genome. Harel L, et al.
Nature [New Biol] 229:106-8, 27 Jan 71

DNA-RNA hybridization in vast DNA excess. Melli M, et al. Nature [New Biol] 231:8-12, 5 May 71

Altered methylation of ribosomal RNA in an erythromycin-resistant strain of Staphylococcus aureus. Lai CJ, et al.
Proc Natl Acad Sci USA 68:856-60, Apr 71

Association of chromosomal RNA with repetitive DNA. Sivolap YM, et al.
Proc Natl Acad Sci USA 68:387-9, Feb 71

Distribution of antibodies to native DNA, single-stranded DNA, and double-stranded RNA in mouse serums. Thoburn R, et al.
Proc Soc Exp Biol Med 136:711-4, Mar 71

Liporibonucleoprotein as an integral part of animal cell membranes. Shapot VS, et al.
Progr Nucleic Acid Res Mol Biol 11:81-101, 1971 (55 ref.)

RNA hybridization: competition between species. Bolch HD, et al. Science 170:872, 20 Nov 70

Transfer of tumor immunity with ribonucleic acid. Deckers PJ, et al. Surg Forum 21:124-6, 1970

Ribonucleic acid mediated immune cytolysis to transplantation antigens in vitro. Ramming KP, et al.
Surg Forum 21:267-9, 1970

The role of transfer agent in immunity. Watanabe K, et al. Tohoku J Exp Med 103:1-6, Jan 71

Characterization of the complementary nuclear RNA of murine sarcoma-leukemia virus. Biswal N, et al.
Virology 42:1064-72, Dec 70

Polysomal ribonucleic acid of vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al.
Virology 42:958-68, Dec 70

Intracellular structures involved in Sendai virus replication. Robinson WS. Virology 43:90-100, Jan 71

[Saccharomyces cerevisiae rRNA in water-formamide mixtures] Navez-Ploumhans MT, et al.
Arch Int Physiol Biochim 78:1007-8, Dec 70 (Fre)

[Properties of Euglena gracilis ribosomes and ribosomal RNA] Heizmann P.
Biochim Biophys Acta 224:144-54, 12 Nov 70 (Fre)

[Isolation and characterization of rapidly labelled RNA from Euglena gracilis by means of analytical and preparative electrophoresis in polyacrylamide gels] Spiess E, et al. Arch Mikrobiol 75:37-58, 1970 (Ger)

[Interaction of cardioactive drugs with ribonucleic acid] Riechert M, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:148-60, 1971 (Ger)

[Mitochondrial ribosomes of rat liver. I. Hybridization of RNA extracted from mitochondrial ribosomes with mitochondrial DNA] Saccone C, et al.
Boll Soc Ital Biol Sper 46:609-12, 15 Jul 70 (Ita)

[Rat liver mitochondrial ribosomes. II. Characterization of the RNA extracted from mitochondrial ribosomes] Saccone C, et al.
Boll Soc Ital Biol Sper 47:54-8, 30 Jan 71 (Ita)

[Depression of antibody response to sheep erythrocytes in RNA immunized rabbits. Preliminary studies] Cavallo G, et al.
G Batteriol Virol Immunol 63:231-4, Jul-Aug 70 (Ita)

[Stainability and resistance to enzymatic digestion of agar precipitates from RNA and anti-RNA rabbit serums] Forni G, et al.
G Batteriol Virol Immunol 63:39-42, Jan-Jun 70 (Ita)

[RNA dependent DNA polymerase] Hatanaka M.
Protein Nucleic Acid Enzyme (Tokyo) 16:166-74, Mar 70 (73 ref.) (Jap)

[Interaction of the macrophage and lymphocyte. Direct study of the possibility of ribonucleic acid transfer from the macrophage to the lymphocyte] Fuks BB, et al. Arkh Anat Gistol Embriol 59:32-6, Jul 70 (Rus)

[Resistance of DNA, RNA and poly (A+U) to heat denaturation in the presence of aminothiol radiation-protective agents] Bogolavienskaia NV.
Biofizika 15:400-3, May-Jun 70 (Rus)

[Mechanism of interaction of nucleic acids and synthetic polyribonucleotides with cystamine] Bogolavienskaia NV, et al.
Biofizika 16:721-4, Jul-Aug 71 (Rus)

[Study of the formation of complexes of nucleic acids with polyanions using ultrasonic waves] Braginskaia FI, et al. Biofizika 15:274-7, Mar-Apr 70 (Rus)

[Effect of water vapor and organic electron-donor and electron-acceptor molecules on chlorophyll-sensitized photoconductance of RNA] Putseiko EK. Biofizika 14:810-8, Sep-Oct 69 (Rus)

[Molecular weight of amylose isomerase RNA] Filippova RD, et al.
Dokl Akad Nauk SSSR 184:481-2, Jan 69 (Rus)

[Postribosomal RNA-containing particles of cytoplasm of animal cells according to CsCl density gradient centrifugation data] Ovchinnikov LP, et al.
Dokl Akad Nauk SSSR 186:1202-5, 11 Jun 69 (Rus)

[Ribonucleoprotein particles in cytoplasmic extracts of animal cells] Ovchinnikov LP, et al.
Usp Sovrem Biol 71:3-17, Jan-Feb 71 (47 ref.) (Rus)

[Immunological effect of immun immune and normal dog RNA in rats with sarcoma E 100] Morini JC, et al.
Medicina (B Aires) 31:21-5, Jan-Feb 71 (Spa)

[An electron microscopic study of Bombyx mori caterpiller RNA] Stepaniuk VV, et al.
Mikrobiol Zh 32:345-50, May-Jun 70 (Ukr)

ADMINISTRATION & DOSAGE

Kinetics of serum interferon response in mice after single and multiple injections of polyI-poly C. Buckler CE, et al. Proc Soc Exp Biol Med 136:394-8, Feb 71

ANALYSIS

Base composition of cytoplasmic ribonucleic acids isolated from the organs of normal and Brown-Pearce tumour bearing rabbits. Zsindely A, et al.
Acta Biochim Biophys Acad Sci Hung 5:415-21, 1970

Two-wave length visible cytospectrophotometry of nucleic acids and proteins in the motor and sensory neurons and their glial cell-satellites of rat spinal cord during corazol seizures. Pevzner LZ, et al.
Acta Histochem (Jena) 39:101-17, 1971

Ribonucleoprotein bodies in the macromeres of the cestode Hymenolepis diminuta. Rybicka K.
Acta Med Pol 12:117-9, 1971

Nuclear, cytoplasmic and axoplasmic RNA in experimental neuroaxonal dystrophy. Hartmann HA.
Acta Neuropathol (Berl) 5:Suppl 5:76-85, 1971

Effect of hemicerebellectomy upon the cytochemistry of neurons in the lateral vestibular nucleus. II. Effects on RNA content and succinoxidase activity in Deiters' neurons after warm and cold water irrigation. Blomstrand C, et al.
Acta Otolaryngol (Stockh) 70:163-6, Sep 70

Studies on ribonucleic acids of the mammary gland of pregnant and lactating rabbits. Deutsche A, et al.
Acta Physiol Scand 80:39A-40A, Dec 70

A simplified and modified methyl green pyronin stain. Elias JM. Am J Clin Pathol 56:254, Aug 71

Determination of total nucleic acids in plant tissue. Broughton WJ. Anal Biochem 38:291-5, Nov 70

An improved method of detecting DNA-RNA hybrids bound to nitrocellulose filters. Daniel JC, et al.
Anal Biochem 37:330-2, Oct 70

Calculated composition of newly synthesized ribonucleic acid by 32P pulse labeling: effect of repeated sequences in the DNA. Dingman CW, et al.
Anal Biochem 37:154-9, Sep 70

Effect of salt reprecipitation on labile phosphate content of RNA preparations. Gniazdowski M, et al.
Anal Biochem 32:204-9, Nov 69

Liquid scintillation counting of 3H and 32P RNA in slices of polyacrylamide gels. Hellung-Larsen P.
Anal Biochem 39:454-61, Feb 71

Procedure for the base composition of RNA especially suited for samples containing relatively large amounts of DNA and protein. Lees CW.
Anal Biochem 40:401-11, Apr 71

Liquid scintillation counting of RNA: a simple

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

procedure for extraction from sucrose gradients. Paus PN. Anal Biochem 38:364-73, Dec 70
An artifact in the alkaline hydrolysis of RNA labeled with guanosine-8-T. Wilt FH. Anal Biochem 27:186-9, Jan 69
Paper disc estimation of radioactive RNA: studies on the presence and elimination of metabolically generated artifacts from labeled purine and pyrimidine precursors. Yu FL, et al. Anal Biochem 39:319-21, Feb 71
RNA sequence analysis. Gilham PT. Annu Rev Biochem 39:227-50, 1970 (154 ref.)
Removal of Nonidet P40 absorbance for optical density monitoring of cytoplasmic ribonucleic acid. Schluederberg A. Appl Microbiol 21:557-8, Mar 71
Subcellular structure of bovine thyroid. II. Localization of RNA, DNA, acid hydrolases and adenosine deaminase. Hilderson HJ, et al. Arch Int Physiol Biochim 78:509-18, Aug 70
Analysis of blue-green and red algal ribosomal-RNAs by gel electrophoresis. Howland GP, et al. Arch Mikrobiol 76:292-8, 1971
Sexual differences in total RNA content of rat brain cells of medial hypothalamus and hippocampus. Novakova V, et al. Beitr Pathol 143:295-300, Jun 71
The occurrence of polyadenylate sequences in bacteria and yeast. Edmonds M, et al. Biochem Biophys Res Commun 41:1531-7, 24 Dec 70
The identification of 3'-hydroxyl nucleoside terminus of RNA chains released in the DNA-dependent RNA polymerase reaction. Maitra U. Biochem Biophys Res Commun 41:1255-60, 9 Dec 70
Evidence that species of RNA found in rat liver mitochondria preparations are associated with purified cytoplasmic ribosomes. Malkin LI. Biochem Biophys Res Commun 43:787-92, 21 May 71
The ribosomal subunits of hamster cell mitochondria. Montenecourt BS, et al. Biochem Biophys Res Commun 41:458-63, 23 Oct 70
Related base sequences in the DNA of simple and complex organisms. IV. Evolutionary divergence of base sequence in mouse L-cell cytoplasmic and nucleus-restricted RNA. Shearer RW, et al. Biochem Genet 4:395-408, Jun 70
Terminal-sequence studies of high-molecular-weight ribonucleic acid. The 3'-termini of rabbit reticulocyte ribosomal RNA. Hunt JA. Biochem J 120:353-63, Nov 70
Methods for determining sequences in RNA. Sanger F, et al. Biochem Soc Symp 30:183-97, 1970
A comparison of the primary structures of 28S and 18S ribonucleic acid from HeLa cells and different human tissues. Amaldi F, et al. Biochemistry 10:1478-83, 13 Apr 71
Synthesis and decay rates of major classes of deoxyribonucleic acid a5brandhorst BP, Humphreys T: Synthesis and decay rates of major classes of deoxyribonucleic acid-like ribonucleic acid in sea urchin embryos. Brandhorst BP, et al. Biochemistry 10:877-81, 2 Mar 71
Separation of Escherichia coli ribosomal ribonucleic acids by reversed-phase chromatography. Egan BZ, et al. Biochemistry 10:1890-4, 11 May 71
Mitochondrial RNA from rat liver. Aaij C, et al. Biochim Biophys Acta 217:560-2, 15 Oct 70
A 12-S and 9-S RNA species in Strongylocentrotus purpuratus eggs. Daigneault R, et al. Biochim Biophys Acta 224:256-9, 12 Nov 70
Ribonucleic acids from the mitochondria of bleached Euglena gracilis Z. II. Characterization of highly polymeric ribonucleic acids. Krawiec S, et al. Biochim Biophys Acta 217:132-41, 17 Sep 70
Chromatography of nucleic acids on polynucleotide-coated kieselguhr. Lin HJ. Biochim Biophys Acta 217:232-48, 15 Oct 70
A study of the atypical ribosomal RNA components of Rhodopseudomonas spheroides. Robinson A, et al. Biochim Biophys Acta 238:99-115, 29 Apr 71
Ribonucleic acids and ribonucleoproteins from small oöcytes of Xenopus laevis. Thomas C. Biochim Biophys Acta 224:99-113, 12 Nov 70
Neurochemical changes associated with isolation and environmental stimulation. Essman WB. Biol Psychiatry 3:141-7, 1971
Minor nucleosides in RNA: optical studies of dinucleoside phosphates containing inosine. Formoso C, et al. Biopolymers 10:531-46, 1971
Enzymatic digestion of synaptic ribbons in amphibian retinal photoreceptors. Bunt AH. Brain Res 25:571-7, 5 Feb 71
Hydroxyapatite chromatography of 5S RNA from wheat. Soave C, et al. Bull Soc Chim Biol (Paris) 52:857-65, 1970
The sequence distribution of O-2'-methylribose in yeast ribosomal RNA. Lau RY, et al. Can J Biochem 49:431-6, Apr 71
The 3'-hydroxyl termini in yeast ribosomal RNA. Olver KM, et al. Can J Biochem 48:1113-21, Oct 70
Ubiquinone and nucleic acid concentrations in the heart muscle of cancer patients and normal controls. Chipperfield B, et al. Clin Chim Acta 31:459-65, Feb 71
Physico-chemical properties of mitochondrial ribosomal RNA from fungi. Edelman M, et al. Eur J Biochem 19:372-8, Apr 71
Characterization of the complex containing rapidly labelled RNA in EDTA-treated polyribosomes from rat liver. Olsnes S. Eur J Biochem 18:242-51, Jan 71
A comparison of nucleotide sequences from mitochondrial and cytoplasmic ribosomal RNA of Aspergillus nidulans. Verma IM, et al. Eur J Biochem 19:124-9, 1 Mar 71
Lability of 28 S ribosomal RNA in Tetrahymena pyriformis. Bostock CJ, et al. Exp Cell Res 66:260-2, May 71
Ribonucleic acid at the periphery of different cell types, and effect of growth rate on ionogenic groups in the periphery of cultured cells. Mayhew E, et al. Exp Cell Res 50:441-53, May 68
DNA, RNA and hemoglobin during erythroblast maturation. A cytophotometric study. Yataganas X, et al. Exp Cell Res 62:254-61, Sep 70
RNA of Physarum. II. Template replication and transcription in the mitotic cycle. Zellweger A, et al. Exp Cell Res 65:424-32, Apr 71
Plasmodium berghei: nucleic acid agglutinating antibodies in rats. Kreier JP, et al. Exp Parasitol 26:175-80, Oct 69
DNA and RNA content in diploid and tetraploid amphibians. Beçak W, et al. Experientia 27:345-6, 15 Mar 71
Difference of RNA population between normal liver and hepatoma AH-130. Ono T, et al. Gann 62:31-40, Feb 71
RNA and DNA in intestinal mucosa during development of normal and cortisone-treated rats. Koldovský O, et al. Growth 34:359-67, Dec 70
The influence of growth rate and retardation on the nucleic acid and nitrogen concentration in skeletal muscles and whole body composition of the mouse. Robinson DW, et al. Growth 34:235-55, Sep 70
Chemical basis for the differentiation of Brucella species. Misr DS, et al. Indian J Exp Biol 8:229-31, Jul 70
Study of RNA in nerve cells. Shukla AP, et al. Indian J Med Res 58:906-7, Jul 70
Small ribosomal ribonucleic acid species of Saccharomyces cerevisiae. Udem SA, et al. J Bacteriol 105:101-6, Jan 71
Lymphocyte DNA and RNA content in rheumatoid arthritis. Glen AC. J Belge Rhumatol Med Phys 24:173-9, Jul-Aug 69
Rat liver nucleolar 29.5S RNA as the precursor of nucleolar 28S RNA. Fujisawa T, et al. J Biochem (Tokyo) 69:629-31, Mar 71
Conformational changes of ribosomal subunits of Dictyostelium discoideum by salts. Ito K, et al. J Biochem (Tokyo) 69:1135-8, Jun 71
RNA in cytoplasmic and nuclear fractions of cellular slime mold amebas. Cocucci SM, et al. J Cell Biol 45:399-407, May 70
Attachment of ribosomes to membranes during polysome formation in mouse sarcoma 180 cells. Lee SY, et al. J Cell Biol 49:683-91, Jun 71
Studies on the structure and cellular location of various ribosome and ribosomal RNA species in the green alga Chlamydomonas reinhardi. Bourque DP, et al. J Cell Sci 8:153-83, Jan 71
Fine structure of the nucleolus in normal and mutant Xenopus embryos. Hay ED, et al. J Cell Sci 2:151-62, Jun 67
The determination of the base composition of RNA by high-pressure cation-exchange chromatography. Burtis CA. J Chromatogr 51:183-94, 16 Sep 70
Acute effect of endotoxin on nucleic acid content of the mammary gland. Gupta BN, et al. J Dairy Sci 54:113-6, Jan 71
Influence of the RNA content on oogenesis in the bobbed mutants of Drosophila melanogaster. Mohan J. J Embryol Exp Morphol 25:237-46, Apr 71
Polar granules of drosophila. IV. Cytochemical studies showing loss of RNA from polar granules during early stages of embryogenesis. Mahowald AP. J Exp Zool 176:345-52, Mar 71
Neurochemical changes in the brain of aged albino rats resulting from avoidance learning. Altschuler H, et al. J Gerontol 26:63-9, Jan 71
Simultaneous demonstration of deoxyribonucleic acid, ribonucleic acid and lipids. Masin F, et al. J Histochem Cytochem 19:132-3, Feb 71
Intracellular distribution of ribosomes and polyribosomes in Bacillus megaterium. Cundliffe E. J Mol Biol 52:467-81, 28 Sep 70
Genetic information in oocyte RNA. Davidson EH, et al. J Mol Biol 56:491-506, 28 Mar 71
Composition and structure of chromosomal and amplified ribosomal DNA's of Xenopus laevis. Dawid IB, et al. J Mol Biol 51:341-60, 28 Jul 70
Electrophoretic characterization of nucleolar RNA from Chironomus tentans salivary gland cells. Ringborg U, et al. J Mol Biol 51:327-40, 28 Jul 70
Specificity of transcription of chromatin in vitro. Tan CH, et al. J Mol Biol 50:641-53, 28 Jun 70
The 5 s RNA genes of Drosophila melanogaster. Tartof KD, et al. J Mol Biol 51:171-83, 28 Jul 70
Size determination of mitochondrial ribosomal RNA from Aspergillus nidulans by electron microscopy. Verma IM, et al. J Mol Biol 52:137-40, 28 Aug 70
Biochemical study of nuclei isolated from normal lung and lung tumors. I. Isolation of nuclei and characterization of nuclear RNA. Yazdi E, et al. J Natl Cancer Inst 47:121-9, Jul 71
The distribution of nucleic acids in the giant axon of the squid (Loligo pealii). Lasek RJ. J Neurochem 17:103-9, Jan 70
Restricted degradation of RNA in rat liver ribosomes. Dessev GN, et al. Life Sci [II] 9:1181-7, 22 Oct 70
Liver RNA in aminonucleoside nephrosis in rats. Mizuno NS, et al. Life Sci [II] 10:781-9, 22 Jul 71
Cell size and nucleic acid content in the diploid human cell line WI-38 during aging. Cristofalo VJ, et al. Med Exp (Basel) 19:313-20, 1969
Estimation of secondary structure in ribonucleic acids. Tinoco I Jr, et al. Nature (Lond) 230:362-7, 9 Apr 71
Mitochondrial ribosome in HeLa cells. Attardi G, et al. Nature [New Biol] 229:133-6, 3 Feb 71
Ribonucleoprotein particles involved in HeLa mitochondrial protein synthesis. Brega A, et al. Nature [New Biol] 229:136-9, 3 Feb 71
Absence of a 5S RNA compinent in the mitochondrial ribosomes of Neurospora crassa. Lizardi PM, et al. Nature [New Biol] 229:140-2, 3 Feb 71
Effect of maternal age on DNA and RNA content of Drosophila eggs. Tsien HC, et al. Nature [New Biol] 230:147-8, 31 Mar 71
Presence of cell and virus specific sequences in the same molecules of nuclear RNA from virus transformed cells. Wall R, et al. Nature [New Biol] 232:73-6, 21 Jul 71
Ribonucleic acid--a flavor precursor in potatoes. Buri R, et al. Naturwissenschaften 58:56, Jan 71
Ribonucleoprotein particles in cytoplasmic extracts of animal cells. Ovchinnikov LP, et al. Naturwissenschaften 57:514-21, Nov 70
Altered nucleic acids of antibody-forming tissues. Little JR, et al. Proc Natl Acad Sci USA 67:1299-306, Nov 70
The mitochondrial ribosome of Xenopus laevis. Swanson RF, et al. Proc Natl Acad Sci USA 66:117-24, May 70
The composition of liver microsomes and levels of detoxicating enzymes in 9 animal species. Patterson DS, et al. Res Vet Sci 11:399-401, Jul 70
RNA content of megaloblasts in pernicious anaemia. Wickramasinghe SN. Scand J Haematol 7:398-400, 1970
Secondary structure of ribosomal RNA. Hartman KA, et al. Science 170:740-1, 13 Nov 70
Localization of 5S RNA genes on Drosophila chromosomes by RNA-DNA hybridization. Wimber DE, et al. Science 170:639-41, 6 Nov 70
The nature of mitochondrial RNA in oocytes of Xenopus laevis and its relation to mitochondrial DNA. Dawid IB. Symp Soc Exp Biol 23:227-46, 1970
Replication of vesicular stomatitis virus. I. Viral specific RNA and nucleoprotein in infected L cells. Schincariol AL, et al. Virology 42:732-43, Nov 70
Basic protein and ribonucleic acid in the cytoplasm of the ovarian oocyte in the golden hamster. Weakley BS. Z Zellforsch Mikrosk Anat 112:69-84, 1971
[Ribonucleic acid content of the rat brain. Relation to the postnatal development and starvation] Mourek J, et al. Sb Lek 72:269-75, Oct 70 (Cze)
[Fasting and refeeding in the carp (Cyprinus carpio L.). I. Influence on nucleic acids of the liver] Bouche G, et al. Arch Sci Physiol (Paris) 24:243-51, 1970 (Fre)
[Comparison of the proteins of chromatin from the nucleus and cytoplasm, and of RNA from 3 types of differentiated cells] Dastugue B, et al. Bull Soc Chim Biol (Paris) 52:391-403, 1970 (Fre)
[Stereostructure of the nucleolus and distribution of RNA within this organite in Callisia insignis] Le Coq C, et al. C R Acad Sci [D] (Paris) 272:938-40, 15 Feb 71 (Fre)
[Presence of RNA of DNA type in the ribosomal fraction of chick embryo skin] Soriano L. C R Acad Sci [D] (Paris) 273:185-8, 12 Jul 71 (Fre)
[Demonstration, by ultrastructural cytochemistry, of RNA and polysaccharides in the cytoplasmic constituents of the virgin ovum of Paracentrotus lividus (echinoderm)] Sanchez S. C R Soc Biol (Paris) 164:624-6, 1970 (Fre)
[Demonstration of nuclear RNA in the mature spermatids of Acanthodactylus erythrurus lineomaculatus Dum. & Bibr. (Lacertidae)] Bons N. Z Zellforsch Mikrosk Anat 118:249-53, 1971 (Fre)
[Changes in nucleic acid concentrations in some organs of growing male rats and their influencing by cyproterone acetate and testosterone] Scheuer A, et al. Acta Endocrinol [Suppl] (Kbh) 152:34, 1971 (Ger)
[Staining of nucleic acids with methyl green-safranine] Krutsay M. Acta Histochem (Jena) 38:352-5, 1970 (Ger)
[Blood picture changes of Pfeiffer's glandular fever depending on the stage of the disease] Ambs E, et al. Arch Kinderheilkd 181:236-49, 1970 (Ger)
[Constant proportion of pulse labelled mRNA to ribosomal RNA precursor in the polysomal fraction of Escherichia coli] Grade K, et al. Eur J Biochem 21:217-25, 29 Jul 71 (Ger)
[RNA from the mitochondria of the thorax muscle of Locusta migratoria] Kleinow W, et al. Hoppe Seylers Z Physiol Chem 351:1205-14, Oct 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[In vivo effects of androgens on nucleic acid metabolism. I. Alteration of DNA and RNA concentrations in various organs of maturing male rats] Scheuer A, et al.
Hoppe Seylers Z Physiol Chem 352:707-12, May 71 (Ger)

[Characterization of liver RNA fractions methylated in vivo by dimethylnitrosamine] Kruger FW, et al. Naunyn Schmiedebergs Arch Pharmakol 266:383-4, 1970 (Ger)

[Problems of the chemotaxonomy of protozoa] Schröder I, et al. Z Allg Mikrobiol 10:223-5, 1970 (Ger)

[Changes in lymphocytic RNA in the course of measles] Casini Raggi G.
Riv Clin Pediatr 82:345-8, Oct-Dec 69 (Ita)

[Gamma globulin interference with lymphocytic cytoplasmic RNA and its immunoelectrophoretic tracing in the newborn] Paoli F, et al.
Riv Clin Pediatr 82:360-3, Oct-Dec 69 (Ita)

[Histocytochemistry of the periodontium of white rats in experimental and spontaneous parodontopathy] Bromberg ED.
Czas Stomatol 23:1317-9, Oct-Nov 70 (Pol)

[Content of some amino acids, DNA and RNA in antibiotic-resistant Staphylococcus aureus cells] Mikucki J, et al.
Med Dosw Mikrobiol 22:205-10, 1970 (Pol)

[Synthesis and chromatographic properties of isonicotinoilhydrazide derivatives of nucleosides and nucleotides] Renkhof RF, et al.
Biokhimiia 35:236-40, Mar-Apr 70 (Rus)

[Tinctorial properties of uterine epithelium nucleic acids with different estrogen concentrations in the body] Budik VM.
Biull Eksp Biol Med 66:93-6, Sep 68 (Rus)

[Comparative characteristics of high-polymer RNA of tissue and cellular fractions of various portions of the dog heart] Kopteva LA, et al.
Biull Eksp Biol Med 68:43-5, Sep 69 (Rus)

[Relation between the function of different regions of the dog heart and various biochemical and ultrastructural features of its mitochondria] Kopteva LA, et al. Biull Eksp Biol Med 66:19-22, 1968 (Rus)

[Some data on DNA-like RNA of intracellular structures of the flagellate Strigomonas oncopelti (Tripanosomidae family)] Chugunov VA, et al.
Doki Akad Nauk SSSR 192:672-5, 21 May 70 (Rus)

[Alkali-stable dinucleotides from high-molecular RNA of sheatfish liver (Silurus glanis L.)] Diuer MA, et al.
Doki Akad Nauk SSSR 193:1177-80, 1970 (Rus)

[Fractionation of nuclear and cytoplasmic ribonucleic acids of rat liver on methylated albumin-kieselguhr columns] Likhtenshtein AV.
Doki Akad Nauk SSSR 193:936-9, 1970 (Rus)

[Microelectrophoretic study of RNA in elements of the simplest neuron systems in Limnaea stagnalis] Uzorin EK. Doki Akad Nauk SSSR 196:733-6, 21 Jan 71 (Rus)

[Method for the cytochemical study of the RNA content in the regular elements of peripheral blood and bone marrow] Babinina VF.
Lab Delo 8:481-2, 1970 (Rus)

[Composition of nucleic acids in distant hybrids of yeasts] Khoroshutina EB, et al.
Mikrobiologiia 40:490-4, May-Jun 71 (Rus)

[The influence of age and cariogenic diet on the content of nucleic acids in rat teeth and jaw bones] Govze IaG.
Stomatologiia (Mosk) 49:16-9, Sep-Oct 70 (Rus)

[Features specific to the histological and histochemical structure of the oral mucous membrane in early childhood] Mergembaeva KhS.
Stomatologiia (Mosk) 50:43-7, May-Jun 71 (Rus)

[Ultrastructure of the X-Y pair in rat and its relation to the nucleolus] Ureña F, et al.
Rev Soc Argent Biol 45:168-73, Aug-Nov 69 (Spa)

[Effect of adrenalectomy and hydrocortisone upon the content of nucleic acids (DNA and RNA) in the liver and brain of rabbits] Khmel'ko AG.
Fiziol Zh 15:685-9, Sep-Oct 69 (Ukr)

[Content of nucleic acids (RNA and DNA) in the brain and liver after adrenalectomy and application of ACTH] Khmel'ko AG.
Fiziol Zh 17:188-92, Mar-Apr 71 (Ukr)

ANTAGONISTS & INHIBITORS

Comparative biological activity of nogalamycin and its analogs. Bhuyan BK, et al. Cancer Res 30:984-9, Apr 70

Human leukemic cells. Inhibitory effects of isologous and homologous histones. Desai LS, et al.
Exp Cell Res 66:1-4, May 71

The reversibility of inhibition of RNA and DNA synthesis induced by aflatoxin in rat liver. A tentative explanation for carcinogenic mechanism. Lafarge C, et al. Int J Cancer 6:74-83, 15 Jul 70

Decreased formation of Golgi bodies in amebae in the presence of RNA and protein synthesis inhibitors. Flickinger CJ. J Cell Biol 49:221-6, Apr 71

The effects of inhibitors of RNA and protein synthesis on chloroplast structure and function in wild-type Chlamydomonas reinhardi. Goodenough UW.
J Cell Biol 50:35-49, Jul 71

The effects of inhibitors of RNA and protein synthesis on the recovery of chloroplast ribosomes, membrane organization, and photosynthetic electron transport in the ac-20 strain of Chlamydomonas reinhardi. Goodenough UW, et al. J Cell Biol 50:50-62, Jul 71

Inhibition of RNA synthesis by actinomycin D: characteristic dose-response of different RNA species. Perry RP, et al. J Cell Physiol 76:127-39, Oct 70

Inhibition of RNA and protein synthesis in granular cells by actinomycin-D and puromycin. Fukuyama K, et al. J Invest Dermatol 56:211-22, Mar 71

Cis-dichlorodiammineplatinum [II]: inhibition of nucleic acid synthesis in lymphocytes stimulated with phytohemagglutinin. Howle JA, et al.
Proc Soc Exp Biol Med 137:820-5, Jul 71

BIOSYNTHESIS

RNA, hippocampus and learning: an autoradiographic study. Carreres Quevedo J.
Acta Anat (Basel) 75:27-36, 1970

Biosynthesis of ribonucleic acid in mitochondria of rye (Secale cereale) leaves in vitro. Rytel M, et al.
Acta Biochim Pol 17:111-20, 1970

A study on lymphocyte transformation in light dermatoses. Preliminary report. Horkay I, et al.
Acta Derm Venereol (Stockh) 51:268-70, 1971

The effect of cortisol on the incorporation of RNA and protein precursors into the nucleus and cytoplasm of human neutrophils cultured in vitro. Werthamer S, et al. Acta Endocrinol (Kbh) 65:497-501, Nov 70

Oestrogen sensitivity of guinea pig uteri during the neonatal period. Schulz KD, et al.
Acta Endocrinol [Suppl] (Kbh) 155:137, 1971

Autoradiographic studies of RNA metabolism in human leukaemic blast cells. Chan BW.
Acta Haematol (Basel) 45:17-22, 1971

RNA and protein synthesis in proliferating and non-proliferating blast cells of human acute leukaemia. Chan BW.
Acta Haematol (Basel) 45:82-8, 1971

Impaired of ribosomal precursor RNA in blast cells of acute leukemia. Torelli UL, et al.
Acta Haematol (Basel) 45:201-8, 1971

Effect of phytohaemagglutinin and tuberculin on macromolecule synthesis in human lymphocyte cultures. Dobozy A, et al.
Acta Microbiol Acad Sci Hung 17:303-9, 1970

Nuclear, cytoplasmic and axoplasmic RNA in experimental neuroaxonal dystrophy. Hartmann HA.
Acta Neuropathol (Berl) 5:Suppl 5:76-85, 1971

Studies on the character of RNA synthesized in the uterus after estradiol-17 beta administration. Ozaki M, et al. Acta Obstet Gynaecol Jap 18:23-8, Jan 71

In vitro studies of chicken lymphoid cells. 1. Phytohaemagglutinin induced DNA, RNA and protein synthesis in spleen cells from control-irradiated and bursectomized-irradiated chickens. Alm GV.
Acta Pathol Microbiol Scand [B] 78:632-40, 1970

Circadian rhythm in the protein and RNA mouse diaphragm. Rebolledo OR, et al.
Acta Physiol Lat Am 20:168-70, 1970

The effect of cordycepin on nuclear RNA synthesis in nerve and glial cells. Grahn B, et al.
Acta Physiol Scand 82:28-34, May 71

The response of RNA synthesis to mitotic regulation in the erythron. Kiviiaakso E.
Acta Physiol Scand 80:436-42, Dec 70

Studies on RNA polymerase inhibitor formed in virus-infected cells. 3. Induction of inhibitor of cellular nucleic acid synthesis in vaccinia virus-infected cells. Balandin IG, et al.
Acta Virol (Praha) 15:1-6, Jan 71

Nucleic acid and protein synthesis in KB cells infected with equine abortion virus (equine herpesvirus type 1). Lawrence WC. Am J Vet Res 32:41-9, Jan 71

Use of cetyl trimethylammonium bromide for estimation of the in vivo incorporation of radioactive precursors into RNA. Dunn A.
Anal Biochem 41:460-5, Jun 71

A simple and sensitive method for quantitative measurement of cellular RNA synthesis. Emerson CP Jr, et al. Anal Biochem 40:254-66, Apr 71

Radioautographic study of RNA synthesis in normal and actinomycin D treated rat embryos. Jordan RL, et al. Anat Rec 168:549-63, Dec 70

Inhibition of nucleic acid and protein synthesis mouse spleen cells in vitro by azathioprine. Chan GY, et al.
Appl Microbiol 20:910-2, Dec 70

The effect of a range of RNA polymerase inhibitors on RNA synthesis in higher plant chloroplasts and nuclei. Bottomley W, et al.
Arch Biochem Biophys 143:269-75, Mar 71

Biosynthesis of ribonucleic acid in yeast: some properties of mitochondrial ribosomal ribonucleic acid in Saccharomyces carlsbergensis. De Kloet SR, et al. Arch Biochem Biophys 143:175-86, Mar 71

Effects of ionic strength on the RNA polymerase activities of isolated nuclei and nucleoli of rat liver. Johnson JD, et al.
Arch Biochem Biophys 142:489-500, Feb 71

Effects of cortisone on orotic acid transport and RNA synthesis in rat liver. Yu FL, et al.
Arch Biochem Biophys 141:662-7, Dec 70

Influence of an arbovirus infection (Sindbis virus) on the protein and ribonucleic acid synthesis of cultivated chick embryo cells. Musagay M, et al.
Arch Gesamte Virusforsch 31:81-92, 1970

Nucleic acid synthesis during the focus formation by Shope fibroma virus on green monkey kidney cells. Tkehara M. Arch Gesamte Virusforsch 31:303-12, 1970

In vitro nucleic acid labelling in rat testis following nitrofurazone administration. Hollinger MA, et al.
Arch Int Pharmacodyn Ther 185:20-4, May 70

Camptothecin inhibits macromolecular synthesis in mammalian cells but not in isolated mitochondria of E. coli. Bosmann HB.
Biochem Biophys Res Commun 41:1412-20, 24 Dec 70

RNA transcription from nonrepetitive DNA in the mouse. Brown IR, et al.
Biochem Biophys Res Commun 42:850-6, 5 Mar 71

The effect of a reporter molecule on chromatin template activity. Farber J, et al.
Biochem Biophys Res Commun 43:675-81, 7 May 71

Mitochondrial membrane organisation, a determinant of mitochondrial ribosomal RNA synthesis. Forrester IT, et al.
Biochem Biophys Res Commun 43:409-15, 16 Apr 71

The synthesis of ribosomal-type RNA by isolated rat liver mitochondria. Fukamachi S, et al.
Biochem Biophys Res Commun 40:852-7, 24 Aug 70

A novel method for demonstrating a nuclear 30-32S precursor of the RNA of the smaller ribosomal subunit in Amoeba proteus. Goldstein L.
Biochem Biophys Res Commun 42:67-73, 8 Jan 71

Evidence for extranucleolar control of RNA synthesis in the nucleolus. Jacob ST, et al.
Biochem Biophys Res Commun 40:334-42, 27 Jul 70

Differential inhibition of 28S-18S RNA and 5S RNA synthesis in the cycloheximide-treated Xenopus laevis embryonic cells. Miyahara E, et al.
Biochem Biophys Res Commun 40:1070-5, 10 Sep 70

Mitochondrial protein synthesis: resistance to emetine and response to RNA synthesis inhibitors. Perlman S, et al.
Biochem Biophys Res Commun 40:941-8, 24 Aug 70

Stimulation of RNA synthesis in isolated mammary cells by insulin and prolactin bound to sepharose. Turkington RW.
Biochem Biophys Res Commun 41:1362-7, 9 Dec 70

The interchangeability of stimulatory factors isolated from three microbial RNA polymerases. Whiteley HR, et al.
Biochem Biophys Res Commun 41:647-54, 9 Nov 70

Amino acid requirement for the growth-hormone stimulation of incorporation of precursors into protein and nucleic acids of liver slices. Clemens MJ, et al. Biochem J 119:629-34, Oct 70

The physical state of deoxyribonucleoprotein and its ability to direct ribonucleic acid synthesis in vitro. Hoare TA, et al. Biochem J 119:931-2, Oct 70

Incorporation of [3H] uridine into the ribonucleic acid of rat uterus during pseudopregnancy and in the presence of I.C.I. 46474 [trans-1-(p-beta-dimethylaminoethoxyphenyl)-1,2-diphenylbut-1-ene]. O'Grady JE, et al.
Biochem J 119:609-13, Oct 70

Decreased ribonucleic acid synthesis in isolated rat liver nuclei during starvation. Rickwood D, et al.
Biochem J 120:381-4, Nov 70

Low-molecular-weight nuclear ribonucleic acid synthesis after partial hepatectomy. Stevely WS, et al.
Biochem J 119:59P, Oct 70

The concentration of actinomycin D in hepatocyte nuclei as related to inhibition of ribonucleic acid synthesis. Becker FF, et al.
Biochem Pharmacol 19:1457-62, Apr 70

On the site of cortisol inhibition of thymus ribonucleic acid synthesis. Gabourel JD, et al.
Biochem Pharmacol 20:885-95, Apr 71

Effects of glucocorticoids on nucleic acid synthesis in mouse lymphoma cells growing in vitro and on nuclei isolated from these cells. Gomez J, et al.
Biochem Pharmacol 19:1471-83, Apr 70

Effect of phenobarbital pretreatment on the ability of aflatoxin B 1 to inhibit ribonucleic acid synthesis in rat liver. Gumbmann MR, et al.
Biochem Pharmacol 19:2861-6, Nov 70

Steroid hormones, ribonucleic acid synthesis and transport, and the regulation of cytoplasmic translation. Hamilton TH.
Biochem Soc Symp 32:49-84, 1971 (110 ref.)

Stimulation by thyrotropin, long-acting thyroid stimulator, and dibutyryl 3',5'-adenosine monophosphate of protein and ribonucleic acid synthesis and ribonucleic acid polymerase activities in porcine thyroid in vitro. Adiga PR, et al.
Biochemistry 10:702-10, 16 Feb 71

Synthesis and decay rates of major classes of deoxyribonucleic acid a5brandhorst BP, Humphreys T: Synthesis and decay rates of major classes of deoxyribonucleic acid-like ribonucleic acid in sea urchin embryos. Brandhorst BP, et al.
Biochemistry 10:877-81, 2 Mar 71

Changes in ribonucleic acid and protein synthesis during induced cardiac hypertrophy. Florini JR, et al.
Biochemistry 10:530-5, 2 Feb 71

An extraordinary temperature dependence of the reovirus transcriptase. Kapuler AM.
Biochemistry 9:4453-7, 27 Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Characteristics of in vitro ribonucleic acid synthesis by macronuclei of Tetrahymena pyriformis. Lee YC, et al. Biochemistry 9:3947-59, 29 Sep 70

An analysis of the rapidly synthesized ribonucleic acid of the normal human lymphocyte by agarose-polyacrylamide gel electrophoresis. Neiman PE, et al. Biochemistry 10:1733-40, 27 Apr 71

Characterization of ribonucleic acid transcribed in vitro on phage phi 80 deoxyribonucleic acid. Okamoto T, et al. Biochemistry 9:3533-41, 1 Sep 70

Studies on the mechanism of ribonucleic acid synthesis. II. Stabilization of the deoxyribonucleic acid-ribonucleic acid polymerase complex by the formation of a single phosphodiester bond. So AG, et al. Biochemistry 9:4788-93, 24 Nov 70

RNA metabolism in human cells during amino acid deprivation. I. Bölcsföldi G, et al. Biochim Biophys Acta 228:664-75, 11 Feb 71

The size and the location of the ribosomal RNA segments in ribosomal precursor RNA of yeast. Bos RC van den, et al. Biochim Biophys Acta 232:494-508, 25 Mar 71

Ribosomal RNA synthesis in human-mouse hybrid cells. Bramwell ME, et al. Biochim Biophys Acta 232:580-3, 25 Mar 71

Enhanced initiation of RNA chains in liver after administration of 3-methylcholanthrene. Bresnick E. Biochim Biophys Acta 217:204-6, 17 Sep 70

RNA synthesis in anucleate egg fragments and normal embryos of the sea urchin, Arbacia punctulata. Chamberlain JP. Biochim Biophys Acta 213:183-93, 16 Jul 70

Methylation of ribonucleic acids and hormone-induced alpha-amylase synthesis in the aleurone cells. Chandra GR, et al. Biochim Biophys Acta 232:514-23, 25 Mar 71

Ribosomal RNA precursor synthesis in tobacco tissue culture. Cheng TY, et al. Biochim Biophys Acta 228:503-8, 28 Jan 71

RNA and protein synthesis during germination of spherules of Physarum polycephalum. Chet I, et al. Biochim Biophys Acta 224:620-2, 14 Dec 70

Chromosome activity and cell function in polytenic cells. IV. Polyribosomes and their sensitivity to actinomycin. Clever U, et al. Biochim Biophys Acta 217:108-19, 17 Sep 70

The enzymatic synthesis of ribonucleic acid in animal tissue. 3. Further purification of soluble RNA polymerase from lymphoid tissue and some general properties of the enzyme. Furth JJ, et al. Biochim Biophys Acta 213:124-33, 16 Jul 70

Coordinate synthesis of ribosomal RNA and messenger for ribosomal proteins. Harney CE, et al. Biochim Biophys Acta 213:529-31, 8 Aug 70

Incorporation of 32P into ribosomal RNA, transfer RNA and inositol hexaphosphate in germinating pea cotyledons. Hewish DR, et al. Biochim Biophys Acta 228:509-16, 28 Jan 71

The 'informosome'-like particles of lymphoid cells. Ivanyi J. Biochim Biophys Acta 238:303-13, 13 May 71

Synthesis of precursor molecules of ribosomal RNA in the cellular slime mold Dictyostelium discoideum. Iwabuchi M, et al. Biochim Biophys Acta 228:693-700, 11 Feb 71

In vitro RNA synthesis and nuclear proteins of isolated sea urchin embryo nucleo. Johnson AW, et al. Biochim Biophys Acta 224:518-30, 14 Dec 70

Activated transcription from rat liver chromatin by non-histone proteins. Kamiyama M, et al. Biochim Biophys Acta 228:563-76, 28 Jan 71

The production of ribosomal RNA from high molecular weight precursors. II. Demonstration of an exonuclease in isolated nucleoli. Kelley DE, et al. Biochim Biophys Acta 238:357-62, 13 May 71

Effect of serum on the synthesis of RNA and of DNA in the cultured lens epithelium of the chick embryo: initiation of lens fiber formation in vitro. Piatigorsky J, et al. Biochim Biophys Acta 238:86-98, 29 Apr 71

On the mechanism of the biosynthesis of ribosomal RNA in yeast. Retèl J, et al. Biochim Biophys Acta 224:458-69, 14 Dec 70

Polyamines. (1) Enhanced s-adenosyl-L-methionine decarboxylase in rapid growth systems, and (2) the relationships between polyamine concentration and RNA accumulation. Russell DH, et al. Biochim Biophys Acta 240:273-86, 30 Jun 71

RNA and protein synthesis in protoplasts isolated from tobacco leaves. Sakai °F, et al. Biochim Biophys Acta 224:531-40, 14 Dec 70

Synthesis of rRNA in sea urchin embryos. IV. Maturation of rRNA precursor. Sconzo G, et al. Biochim Biophys Acta 232:132-9, 25 Feb 71

Transcriptive expression during sea urchin embryogenesis. Slater DW, et al. Biochim Biophys Acta 213:194-207, 16 Jul 70

Proteins of chromatin in template restriction. II. Specificity of RNA synthesis. Spelsberg TC, et al. Biochim Biophys Acta 228:212-22, 1 Jan 71

Proteins of chromatin in template restriction. I. RNA synthesis in vitro. Spelsberg TC, et al. Biochim Biophys Acta 228:202-11, 1 Jan 71

A comparative study in bone and kidney of nucleotide and RNA synthesis. Steinberg J, et al. Biochim Biophys Acta 228:173-82, 1 Jan 71

Inhibition by toyocamycin of RNA synthesis in mammalian cells and in normal and avian tumor virus-infected chick embryo cells. Sverak L, et al. Biochim Biophys Acta 224:441-50, 14 Dec 70

High molecular weight RNA synthesized in nucleoli of higher plants. Tanifuji S, et al. Biochim Biophys Acta 217:418-25, 15 Oct 70

A comparative study of RNA synthesis in rat hepatic nuclei and mitochondria under the influence of cortisone. Yu FL, et al. Biochim Biophys Acta 213:134-41, 16 Jul 70

Comments on differentiation and product formation in molds. Fenci Z. Biotechnol Bioeng 12:845-7, Sep 70

RNA synthesis by chronic lymphocytic leukaemic cells from peripheral blood and marrow. Pegrum GD, et al. Biut 21:308-14, Nov 70

On the relationship between the deficient performance of hypophysectomized rats in shuttle-box conditioning and the RNA metabolism in their brain stem. Gispen WH, et al. Brain Res 24:551, 18 Dec 70

A functional study of the hypothalamo-neurohypophyseal system of the rat, with the use of a newly developed method for localized administration of labelled precursor. Norström A. Brain Res 28:131-42, 16 Apr 71

Mitotic activity, assessed by a new method and nucleic acid content of the bronchial epithelium. A preliminary report. Greisen O. Bronches 18:542-8, Nov-Dec 68

RNA synthesis in peripheral nerve in the chick during development. Hu YW, et al. Can J Biochem 49:320-7, Mar 71

Differential effects of growth hormone and hydrocortisone on nuclear RNA synthesis in rat liver. Ip PM, et al. Can J Biochem 49:853-62, Jul 71

Effect of acriflavine and ethidium bromide on the synthesis of RNA of the peripheral nerve in the chick during development. Mezei C, et al. Can J Biochem 49:463-7, Apr 71

Modification of rat renal cortical chromatin by aldosterone treatment. Trachewsky D, et al. Can J Biochem 49:496-500, May 71

Absence of differential RNA synthesis by the X chromosomes of cow leucocytes. Mann K, et al. Can J Genet Cytol 12:44-51, Mar 70

Relationship between nucleic acids, histone and non-histone protein synthesis in human lymphocytes stimulated with phytohemagglutinin. Mukherjee AB. Can J Genet Cytol 12:151-9, Mar 70

In vitro uptake of tritium from uridine-5-H3 into RNA (and DNA) in normal and murine leukemia virus infected mouse embryo tissue. Albach RA, et al. Can J Microbiol 16:1095-9, Nov 70

RNA in midgut of tussock moth, Orgyia leucostigma, infected with cytoplasmic-polyhedrosis virus. Hayashi Y. Can J Microbiol 16:1101-7, Nov 70

Effects of isopentenyl adenosine and phytohemagglutinin upon RNA syntheses in lymphocytes. Hacker B, et al. Cancer 27:1384-7, Jun 71

A comparative study of the action of carcinogenic substances on the RNA synthesis in mouse skin. Alexandrov K, et al. Cancer Res 30:1192-8, Apr 70

The effects of 1,3-bis(2-chloroethyl)-1-nitrosurea on survival and cell progression in Chinese hamster cells. Barranco SC, et al. Cancer Res 31:191-5, Feb 71

A reevaluation of nuclear and nucleolar changes induced in vitro by actinomycin D. Recher L, et al. Cancer Res 31:140-51, Feb 71

Interference of daunomycin with metabolic events of the cell cycle in synchronized cultures of rat fibroblasts. Silvestrini R, et al. Cancer Res 30:966-73, Apr 70

RNA synthesis induction in cell culture by a tumor promoter. Sivak A, et al. Cancer Res 30:1203-5, Apr 70

Stimulating effect of the roots of Panax ginseng C. A. Meyer on the incorporation of labeled precursors into rat liver RNA. Oura H, et al. Chem Pharm Bull (Tokyo) 19:453-9, Mar 71

Heat-shock induced puffing changes in Balbiani rings. Yamamoto H. Chromosoma 32:171-90, 1970

Effects of drugs on protein and RNA synthesis in human granulocytes. Andrews TM, et al. Clin Sci 41:3P, Aug 71

RNA ssynthesis by Down's syndrome Leucocytes. Benson PF. Clin Sci 40:26P-27P, Jun 71

Sexual dimorphism in somatic interphase nuclei of snakes. Ray-Chaudhuri SP, et al. Cytogenetics 9:410-23, 1970

Protein synthesis and development in the absence of cytoplasmic RNA synthesis in nonnucleate egg fragments and embryos of sea urchins: effect of ethidium bromide. Craig SP, et al. Dev Biol 24:214-33, Feb 71

Regulation of DNA-like RNA and the apparent activation of ribosomal RNA synthesis in sea urchin embryos: quantitative measurements of newly synthesized RNA. Emerson CP Jr, et al. Dev Biol 23:86-112, Sep 70

Sea urchin embryogenesis. I. RNA synthesis by cytoplasmic and nuclear genes during development. Hartmann JF, et al. Dev Biol 25:209-31, Jun 71

The synthesis and secretion of ribosomes by nurse cells of Antheraea polyphemus. Hughes M, et al. Dev Biol 23:651-64, Dec 70

Nucleic acid metabolism in oocytes and embryos of Urechis caupo. Schwartz MC. Dev Biol 23:241-60, Oct 70

Epithelial-mesenchymal interactions during odontogenesis. I. Isolation of several intercellular matrix low molecular weight methylated RNAs. Slavkin HC, et al. Dev Biol 23:276-96, Oct 70

The acceleration of ribonucleic acid synthesis in cleaving sea urchin embryos. Wilt FH. Dev Biol 23:444-55, Nov 70

Effects of insulin from normal and diabetic human pancreas on RNA labeling in fibroblast cultures. Roy CC, et al. Diabetes 20:10-4, Jan 71

Effect of xylitol on testicular protein and RNA biosynthesis of rats. Shima S, et al. Endocrinol Jap 17:283-7, Aug 70

Effects of thymectomy on macromolecular synthesis by rat mesenteric lymphocytes in vitro. Asanuma Y, et al. Endocrinology 89:413-25, Aug 71

Androgenic regulation of nucleic acid and protein synthesis in the hamster flank organ and other tissues. Giegel JL, et al. Endocrinology 89:904-9, Sep 71

Alterations in the phosphorylation of (3H)uridine and RNA synthesis in rat thymus cells after glucose depletion and treatment with prednisolone. Drews J, et al. Eur J Biochem 16:541-8, Nov 70

The effects of magnesium and manganese on the purine ratio of RNA transcribed in vitro by rat liver nuclei. Moulé Y. Eur J Biochem 17:544-51, Dec 70

Effects of valine deprivation on the biosynthesis of ribosomal and messenger RNA in a mammalian cell line (L 5178 Y). Tiollais P, et al. Eur J Biochem 18:35-45, 1 Jan 71

Pattern of RNA synthesis in duck erythrocytes in relationship to the stage of cell differentiation. Attardi G, et al. Exp Cell Res 62:11-31, Sep 70

Synthesis of macromolecules in epithelial cells of the cultured amphibian lens. II. Effects of puromycin and actinomycin D on protein synthesis. Bagghi M, et al. Exp Cell Res 50:454-9, May 68

Hormonal regulation of RNA synthesis and membrane ultrastructure in mouse mammary gland. Banerjee MR, et al. Exp Cell Res 64:307-16, Feb 71

Further studies on the effects of isoproterenol on RNA synthesis of salivary glands. Barka T. Exp Cell Res 62:50-60, Sep 70

RNA synthesis during cleavage of the Lymnaea egg. Biggelaar JA van den. Exp Cell Res 67:207-10, Jul 71

Simultaneous determination of the rates of synthesis of 3H-RNA and 3H-DNA in mouse embryo cells grown as monolayers on stainless steel. Birnie GD, et al. Exp Cell Res 50:474-6, May 68

Macromolecular events following refeeding of starved Tetrahymena. Cameron IL, et al. Exp Cell Res 65:265-72, Apr 71

Synthesis of nucleic acids associated with a DNA-containing body in oocytes of Acheta. Cave MD, et al. Exp Cell Res 58:201-12, Dec 69

Nuclear DNA-like RNA in developing frog embryos. Daniel JC, et al. Exp Cell Res 64:285-90, Feb 71

Changes in deoxyribonucleo-protein during spermiogenesis in the bull. 3 H-Actinomycin D binding capacity. Darżynkiewicz Z, et al. Exp Cell Res 58:435-8, Dec 69

Human leukemic cells. Actinomycin D-resistant biosynthesis of RNA by isolated nuclei. Desai LS, et al. Exp Cell Res 58:388-92, Dec 69

RNA synthesis in early oogenesis of Xenopus laevis. Ficq A. Exp Cell Res 63:453-7, Dec 70

Nucleic acid and protein synthesis, as measured by incorporation of tracers, during regeneration in ultraviolet-treated Blepharisma. Giese AC. Exp Cell Res 64:218-26, Jan 71

Nuclear-cytoplasmic exchange of RNA and protein: effect of temperature and serum. Horisberger M, et al. Exp Cell Res 62:467-70, Oct 70

Uridine incorporation and RNA synthesis during stimulation of lymphocytes by PHA. Kay JE, et al. Exp Cell Res 63:411-21, Dec 70

An in vitro method for studying nucleic acid metabolism in murine peritoneal macrophages. Keast D, et al. Exp Cell Res 58:253-60, Dec 69

Chromatin changes during erythropoiesis. Kernell AM, et al. Exp Cell Res 65:1-6, Mar 71

Heparin as a possible initiator of genomic RNA synthesis in early development of sea urchin embryos. Kinoshita S. Exp Cell Res 64:403-11, Feb 71

Ribonucleic acid synthesis in the cell cycle of L5178Y mouse leukemic cells. Time of replication of the DNA template of rapidly labeled hybridizable RNA. Meltz ML, et al. Exp Cell Res 67:90-6, Jul 71

Effects of actinomycin D and cycloheximide on morphogenesis and syntheses of RNA and protein in the cellular slime mold, Dictyostelium discoideum. Mizukami Y, et al. Exp Cell Res 63:317-24, Dec 70

RNA synthesis during lens cell differentiation. Modak SP, et al. Exp Cell Res 64:473-6, Feb 71

Characterization of nuclear RNA synthesis in Amoeba proteus. Prescott DM, et al. Exp Cell Res 64:145-55, Jan 71

Lymphocyte stimulation: the effect of ouabain on nucleic acid and protein synthesis. Quastel MR, et al. Exp Cell Res 62:407-20, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Synthesis of protein and RNA for initiation and growth of the protonema during germination of bracken fern spore. Raghavan V. Exp Cell Res 65:401-7, Apr 71
Germination of bracken fern spores. Regulation of protein and RNA synthesis during initiation and growth of the rhizoid. Raghavan V. Exp Cell Res 63:341-52, Dec 70
Inclusion of predivision labeled nuclear RNA in post division nuclei in Amoeba proteus. Rao MV, et al. Exp Cell Res 62:286-92, Oct 70
AO binding of intracellular nucleic acids in fixed cells in relation to cell growth. Ringertz NR, et al. Exp Cell Res 63:233-8, Nov 70
Changes in RNA, DNA and protein during aerobic regeneration of mitochondria in Saccharomyces cerevisiae. Schuit KE, et al. Exp Cell Res 65:408-12, Apr 71
Labeled RNA in isolated rat spleen nuclei. Tsuzuki J. Exp Cell Res 58:431-4, Dec 69
Concomitant studies on RNA and protein syntheses in tissues of rats of various ages. Kanungo MS, et al. Exp Gerontol 5:261-9, Sep 70
Effects of glucose on the biochemical changes in rat liver in acute ethionine intoxication. Raick AN, et al. Exp Mol Pathol 14:176-83, Apr 71
Studies with the schistosomacide hycanthone: inhibition of macromolecular synthesis and its reversal. Wittner M, et al. Exp Mol Pathol 14:124-33, Feb 71
Plasmodium falciparum: nucleic acid and pigment changes in resistant strains produced by antimalarial drugs. Dutta GP. Exp Parasitol 28:412-5, Dec 70
Phenolic content of sugarcane in relation to red rot disease. Beato M, et al. Experientia 26:1074-6, 15 Oct 70
Induction of transcription in the stimulating action of a gastrin pentapeptide on gastric acid secretion. Salganik RI, et al. Experientia 27:53-4, 15 Jan 71
The effect of L-asparaginase on the synthesis and processing of ribosomal precursor RNA in PHA-stimulated lymphocytes. Torelli UL, et al. Experientia 26:1366-8, 15 Dec 70
Studies on nucleoli of lymphocytes in human peripheral blood transformation of nucleoli and incorporation of H3-uridine in phytohaemagglutinin stimulated lymphocytes and reversibility of induced changes after chromomycin A3 treatment. Potměšil M, et al. Folia Haematol (Leipz) 94:264-9, 1970
The relation between neurosecretory activity and the incorporation of [3H]uridine into RNA of nerve cells. Golubitza AN, et al. Folia Histochem Cytochem (Krakow) 9:19-23, 1971
Ultrastructural lesions induced by 1-nitro-9-aminoacridine in the cytoplasm of rat liver cells. Vorbrodt A. Folia Histochem Cytochem (Krakow) 8:255-60, 1970
Inhibition of Candida utilis by cycloheximide and acetoxycycloheximdie. Hambleton P, et al. Folia Microbiol (Praha) 15:245-52, 1970
Synthesis of macromolecules in the yeast Candida utilis as influenced by a specific factor inducing cell division. Vraná D. Folia Microbiol (Praha) 15:253-8, 1970
Stimulation of protein and RNA synthesis in the crayfish hepatopancreas by crustecdysone. Gorell TA, et al. Gen Comp Endocrinol 13:306-10, Oct 69
Stimulation of RNA and protein synthesis in silkmoth pupal wing tissue by ecdysone in vitro. Wyatt SS, et al. Gen Comp Endocrinol 16:369-74, Apr 71
Molecular biology of anticancer agents. Yarbro JW. Geriatrics 25:135-48, Oct 70
Studies on the DNA-dependent synthesis of RNA with RNA polymerase. Hurwitz J. Harvey Lect 64:157-78, 1968-69 (35 ref.)
Hormone-induced gene amplification in somatic cells. Koch J, et al. Hoppe Seylers Z Physiol Chem 352:137-42, Feb 71
Effect of cortisol on the synthesis of DNA-like RNA contained in 30S ribonucleotprotein particles from rat liver. Niessing J, et al. Hoppe Seylers Z Physiol Chem 351:1161-3, Sep 70
Macromolecular synthesis during the sensitization of rat lymphcytes on mouse fibroblasts in vitro. Clark WR, et al. Immunochemistry 8:487-98, Jun 71
Radiation-induced changes in some biochemical parameters of the hemopoietic tissue of rabbits. Izak G, et al. Isr J Med Sci 6:14-22, Jan-Feb 70
Action of testosterone on nucleic acids of rat liver subcellular fractions. Corti A, et al. Ital J Biochem 19:277-83, Jul-Aug 70
In vitro ribonucleic acid synthesis in the zoospores of the aquatic fungus Blastocladiella emersonii. Horgen PA. J Bacteriol 106:281-2, Apr 71
Changes in hepatic glycogen, protein, and ribonucleic acid synthesis, and some effects of cortisol, during Q fever. Stueckemann J, et al. J Bacteriol 106:920-4, Jun 71
Control of synthesis and wastage of ribosomal ribonucleic acid in lymphocytes. II. The role of protein synthesis. Cooper HL, et al. J Biol Chem 246:5059-66, Aug 71
On the mechanism of erythropoietin-induced differentiation. IX. Induced synthesis of 9 S ribonucleic acid and of hemoglobin. Gross M, et al. J Biol Chem 246:2480-6, 25 Apr 71
Role of cyclic adenosine 3',5'-monophosphate in the induction of hepatic enzymes. II. Effect of N6,O2'-dibutyryl cyclic adenosine 3'-5'-monophosphate on the kinetics of ribonucleic acid synthesis in purified rat liver nuclei. Jost JP, et al. J Biol Chem 246:1623-9, 25 Mar 71
Nature of the ribonucleic acid formed prior to deoxyribonucleic acid synthesis in kidney cortex cells cultured directly from the rabbit. Lee MJ, et al. J Biol Chem 245:4525-33, 10 Sep 70
Hormonal regulation of rapidly labeled ribonucleic acid in mammary cells in vitro. Turkington RW. J Biol Chem 245:6690-7, 25 Dec 70
Phosphate transport, nucleotide pools, and ribonucleic acid synthesis in growing and in density-inhibited 3T3 cells. Weber MJ, et al. J Biol Chem 246:1828-33, 25 Mar 71
Nuclear and organelle RNA synthesis in Ochromonas: the effects of light. Gibbs SP. J Cell Biol 47:599-604, Sep 70
The effect of protein synthesis inhibition on the entry of messenger RNA into the cytoplasm of sea urchin embryos. Hogan B, et al. J Cell Biol 49:692-701, Jun 71
RNA synthesis in HeLa cells. Pattern in hypertonic medium and its similarity to synthesis during G2-prophase. Pederson T, et al. J Cell Biol 47:734-44, Dec 70
Distinctive characteristics of nucleoli of two established cell lines. Phillips DM, et al. J Cell Biol 49:803-15, Jun 71
Nucleoli of diploid cell strains. Thei normal ultrastructure and the effects of toyocamycin and actinomycin D. Phillips SG, et al. J Cell Biol 49:785-802, Jun 71
The mechanism of cortisol action in cultured rat heart cells. Effects on RNA and protein synthesis. Shaler RC, et al. J Cell Biol 49:205-9, Apr 71
Reformation of nucleolus-like bodies in the absence of postmitotic RNA synthesis. Stevens AR, et al. J Cell Biol 48:443-54, Mar 71
Shifts in nuclear and cytoplasmic nucleic acid content in temperature-synchronized Tetrahymena pyriformis (HSM). Lane NM, et al. J Cell Physiol 77:93-102, Feb 71
Inhibition of RNA synthesis by actinomycin D: characteristic dose-response of different RNA species. Perry RP, et al. J Cell Physiol 76:127-39, Oct 70
The time of DNA replication in the cell cycle in relation to RNA synthesis in frog embryos. Remington JA, et al. J Cell Physiol 77:411-22, Jun 71
Uridine transport and RNA synthesis in growing and in density-inhibited animal cells. Weber MJ, et al. J Cell Physiol 77:157-68, Apr 71
Pattern of incorporation of (3H)uridine into RNA of amphibian oocyte nucleoli. Macgregor HC. J Cell Sci 2:145-50, Jun 67
The effect of epsilon amino caproic acid and other inhibitors of proteolysis upon the response of human peripheral blood lymphocytes to phytohemagglutinin. Hirschhorn R, et al. J Clin Invest 50:1206-17, Jun 71
Kinetics of RNA synthesis in toad bladder epithelium: action of aldosterone during the latent period. Vančura P, et al. J Clin Invest 50:543-51, Mar 71
Effect of pilocarpine on RNA synthesis in the submandibular gland of the hamster. Tiber A. J Dent Res 50:775, May-Jun 71
An inverse relation between the rate of cell division and RNA synthesis per cell in developing frog embryos. Flickinger RA, et al. J Embryol Exp Morphol 23:571-82, Jun 70
Hormonal regulation of RNA and protein synthesis in the mouse mammary gland before and during lactation. Banerjee MR, et al. J Endocrinol 50:281-91, Jun 71
The action of adrenocorticotrophin on the free nucleotide pool and RNA synthesis in rat adrenals and liver. Boyadjiev SI, et al. J Endocrinol 49:193-202, Feb 71
The synthesis of DNA and RNA in normal human endometrium in short-term incubation in vitro and its response to oestradiol and progesterone. Nordqvist S. J Endocrinol 48:17-28, Sep 70
RNA synthesis in the rat anterior hypothalamus and pituitary: relation to neonatal androgen and the oestrous cycle. Salaman DF. J Endocrinol 48:125-37, Sep 70
Differential stimulation by parathyroid hormone of bone and kidney ribonucleic acid synthesis. Steinberg J, et al. J Endocrinol 49:493-506, Mar 71
A study on the effect of insulin on DNA, RNA and protein synthesis in mouse mammary gland tissue in organ culture. Wang DY, et al. J Endocrinol 50:241-9, Jun 71
Nucleic acid synthesis in preimplantation rabbit embryos. II. Delayed synthesis of ribosomal RNA. Manes C. J Exp Zool 176:87-95, Jan 71
Ribonucleic acid synthesis during fungal spore germination. Hollomon DW. J Gen Microbiol 62:75-87, Jul 70
Evidence for an RNA replicative intermediate in cells infected with Newcastle disease virus. Bratt MA, et al. J Gen Virol 10:139-45, Feb 71
Effect of U.v.-irradiated vesicular stomatitis virus on nucleic acid synthesis in chick embryo cells. Yaoi Y, et al. J Gen Virol 8:165-72, Sep 70
Role of neurosecretory cells of pars intercerebralis in regulating RNA synthesis in some tissues of Acheta domesticus. Dutkowski AB, et al. J Insect Physiol 17:99-108, Jan 71
Influence of mating upon ribosomal RNA synthesis and EGG production in Drosophila melanogaster. Mohan J. J Insect Physiol 17:1061-4, Jun 71
RNA synthesis of the fat body of adult Tenebrio molitor. Pemrick SM, et al. J Insect Physiol 16:1171-7, Jun 70
RNA and protein synthesis in the cockroach ovary. Zinsmeister PP, et al. J Insect Physiol 17:29-34, Jan 71
Metabolic changes in diseased insects. 3. Nucleic acid metabolism in Lepidoptera infected by densonucleosis and Tipula iridescent viruses. Morris ON. J Invertebr Pathol 16:180-6, Sep 70
Ribonucleic acid production and breakdown in synchronized erythroid cohorts from actinomycin-treated animals. Izak G, et al. J Lab Clin Med 77:923-30, Jun 71
Synthesis and maturation of cytoplasmic ribosomal RNA in Euglena gracilis. Brown RD, et al. J Mol Biol 59:491-503, 14 Aug 71
Biosynthesis and distribution of ribosomal particles in the cellular slime mould, Dictyostelium purpureum. Ceccarini C, et al. J Mol Biol 54:33-44, 28 Nov 70
Further studies on the synthesis of RNA in vitro by enzyme--template complexes isolated from induced lambda lysogens. Cohen SN, et al. J Mol Biol 58:635-9, 14 Jun 71
On the regulation of the synthesis of ribosomal proteins in L-cells. Craig NC. J Mol Biol 55:129-34, 14 Jan 71
RNA synthesis during bacteriophage SPO1 development: six classes of SPO1 RNA. Gage LP, et al. J Mol Biol 57:279-97, 28 Apr 71
In vitro studies with rifampicin on the stability of heart mitochondrial RNA. Gamble JG, et al. J Mol Biol 53:557-60, 14 Nov 70
Reduction of ribosomal RNA synthesis and ribosomal RNA genes in a mutant of Xenopus laevis which organizes only a partial nucleolus. I. Ribosomal RNA synthesis in embryos of different nucleolar types. Knowland J, et al. J Mol Biol 53:321-8, 14 Nov 70
Reduction of ribosomal RNA synthesis and ribosomal RNA genes in a mutant of Xenopus laevis which organizes only a partial nucleolus. II. The number of ribosomal RNA genes in animals of different nucleolar types. Miller L, et al. J Mol Biol 53:329-38, 14 Nov 70
Effect of cycloheximide on the nucleolar RNA synthesis in rat liver. Muramatsu M, et al. J Mol Biol 53:91-106, 14 Oct 70
Stimulation of synthesis of DNA-like and ribosomal RNA by growth hormone. Oravec M, et al. J Mol Biol 58:489-98, 14 Jun 71
Synthesis of ribosomal RNA on a protein-DNA complex isolated from bacteria: a comparison of ribosomal RNA synthesis in vitro and in vivo. Pettijohn DE, et al. J Mol Biol 52:281-300, 14 Sep 70
Colicin E3-directed changes in ribosome function and polyribosome metabolism in Escherichia coli K12. Senior BW, et al. J Mol Biol 53:205-20, 28 Oct 70
Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. II. Nucleic acid content and synthesis in lymph nodes, spleen, and thymus. Edwards AJ, et al. J Natl Cancer Inst 47:313-20, Aug 71
Incorporation of 32P into nucleic acids in mammary tissue of mice susceptible and resistant to breast cancer. Sheth NA, et al. J Natl Cancer Inst 46:731-4, Apr 71
Incorporation in vivo of radioactive leucine into neuronal and glial nuclear proteins of rat brain. Burdman JA. J Neurochem 17:1555-62, Nov 70
Fractionation of the RNA components of rat brain polysomes. Campagnoni AT, et al. J Neurochem 18:601-11, Apr 71
Studies on the origin of pyrimidines for biosynthesis of neural RNA in the rat. Hogans AF, et al. J Neurochem 18:1699-710, Sep 71
Demonstration of the precursors of ribosomal RNA in brain cells by polyacrylamide-gel electrophoresis. Judes C, et al. J Neurochem 18:170-2, Jan 71
Regulation of protein synthesis in developing mouse brain tissue: in vitro binding of template RNA to brain ribosomes. Lerner MP, et al. J Neurochem 18:193-201, Feb 71
RNA in single identified neurons of aplysia. Peterson RP. J Neurochem 17:325-38, Mar 70
Study of RNA in subcellular fractions from rat brain: simultaneous incorporation of [14C]uridine and [3H]methyl-L-methionine. Saborio JL, et al. J Neurochem 17:91-101, Jan 70
Synthesis of RNA in developing rat brain in vitro. Sharma SK, et al. J Neurochem 17:305-15, Mar 70
Synthesis and accumulation of protein and nucleic acid in rat gastrocnemius muscles during normal growth, restricted growth, and recovery from restricted growth. Howarth RE, et al. J Nutr 101:477-84, Apr 71
Regulation of synthesis and processing of nucleolar components in metaphase-arrested cells. Fan H, et al. J Okla State Dent Assoc 59:27-42, 14 Jul 71
Developmental physiology of cestodes. 8. Inhibition of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ribonucleic acid synthesis by actinomycin-D in developing Hymenolepis diminuta. Bolla RI, et al. J Parasitol 56:1151-8, Dec 70

Do synchronizing temperature shifts inhibit RNA synthesis in Tetrahymena pyriformis? Byfield JE, et al. J Protozool 17:445-53, Aug 70

Studies of messenger RNA during the cell cycle in synchronized mass cultures of Tetrahymena pyriformis GL by hybridization. Christensson EG. J Protozool 17:496-501, Aug 70

The effect of 2-mercapto-1-(beta-4-pyridethyl) benzimidazole (MPB) on cell differentiation and RNA synthesis in the protozoon Tetrahymena vorax. Nicolette JA, et al. J Protozool 18:87-90, Feb 71

Stimulation of RNA synthesis in the blastocyst and uterus of the rat by adenosine 3'5'-monophosphate (cyclic ApMP). Mohla S, et al. J Reprod Fertil 23:327-9, Nov 70

Interpretation of nucleic acid synthesis. Studies in renal-failure lymphocytes. Daniels JC, et al. J Reticuloendothel Soc 8:240-7, Sep 70

The conversion phenomenon of uremic lymphocytes: mechanisms of nucleic acid kinetics. Daniels JC, et al. J Reticuloendothel Soc 9:409-23, May 71

Possible basis for specificity in attachment of histones to DNA in relation to genetic control in mRNA synthesis. Lewin S. J Theor Biol 29:1-11, Oct 70

Inhibition of nucleolar RNP synthesis by cycloheximide as studied by high resolution radioautography. Fakan S. J Ultrastruct Res 34:586-96, Mar 71

Transient stimulation of deoxyribonucleic acid-dependent ribonucleic acid polymerase and histone acetylation in human embryonic kidney cultures infected with adenovirus 2 or 12: apparent induction of host ribonucleic acid synthesis. Ledinko N. J Virol 6:58-68, Jul 70

In vitro product of a ribonucleic acid polymerase induced by influenza virus. Mahy BW, et al. J Virol 6:259-68, Sep 70

Cells persistently infected with Newcastle disease virus. II. Ribonucleic acid and protein synthesis in cells infected with mutants isolated from persistently infected L cells. Thacore H, et al. J Virol 6:42-8, Jul 70

Interferon production and inhibition of host synthesis in cells infected with vesicular stomatitis virus. Wertz GW, et al. J Virol 6:476-84, Oct 70

Vitamin D3 action of RNA synthesis in rat intestinal mucosa. Iitoyo N, et al. J Vitaminol (Kyoto) 17:73-80, 10 Jun 70

Effect of vitamin B12 on the formation of collagen and nucleic acids in the albino rat skins and granulomas. Rao VH, et al. J Vitaminol (Kyoto) 16:253-8, 10 Dec 70

The effect of 17beta-estradiol on pineal metabolism. Nir I, et al. Life Sci [I] 9:851-8, 1 Aug 70

Protein and RNA synthesis in human leukocytes and lymphocytes. 3. Cortisol enhanced destruction of newly synthesized RNA of cultured lymphocytes. Amaral L, et al. Life Sci [II] 9:661-6, 22 Jun 70

Ischemic effects on kidney nuclear RNA synthesis. Lazarus HM. Life Sci [II] 9:721-7, 8 Jul 70

Hydrocortisone and phytohemagglutinin effect upon the RNA synthesis in the aggregate enzyme of human lymphocytes. Ono T, et al. Life Sci [II] 9:1217-23, 8 Nov 70

Magnesium pemoline: enhancement of brain RNA synthesis in vivo. Simon LN, et al. Life Sci [II] 7:197-202, 15 Feb 68

The effect of cycloheximide upon polyribosome stability in two yeast mutants defective respectively in the initiation of polypeptide chains and in messenger RNA synthesis. Hartwell LH, et al. Mol Gen Genet 106:347-61, 1970

The in vitro synthesis and characteristics of ribosomal RNA in imaginal discs of Drosophila melanogaster. Petri WH, et al. Mol Gen Genet 110:245-62, 1971

Incorporation of uridine into polysomes of mouse brain during extinction. Coleman MS, et al. Nature (Lond) 229:54-5, 1 Jan 71

Effects of actinomycin D on memory and brain RNA synthesis in an appetitive learning task. Daniels D. Nature (Lond) 231:395-7, 11 Jun 71

Effect of rate of cell division on RNA synthesis in developing frog embryos. Flickinger RA, et al. Nature (Lond) 228:557-9, 7 Nov 70

Effects of imprinting on uracil incorporation into brain RNA in the "split-brain" chick. Horn G, et al. Nature (Lond) 229:131-2, 8 Jan 71

Mechanism of inhibitory action of histones on DNA template activity in vitro. Koslov YV, et al. Nature (Lond) 228:245-7, 17 Oct 70

In vivo cortisol action on RNA synthesis in rat liver nuclei and mitochondria. Mansour AM, et al. Nature (Lond) 228:665-7, 14 Nov 70

Ribosomal RNA synthesis and RNA polymerase. Tocchini-Valentini GP, et al. Nature (Lond) 228:993-5, 5 Dec 70

Persistent cytoplasmic synthesis of ribosomal proteins during the selective inhibition of ribosomal RNA synthesis. Craig N, et al. Nature [New Biol] 229:75-80, 20 Jan 71

Regulation of the synthesis and the stability of ribosomal RNA during contact inhibition of growth. Emerson CP. Nature [New Biol] 232:101-6, 28 Jul 71

Mitotic inhibition and nucleic acid synthesis in amoeba nuclei. Jeon KW, et al. Nature [New Biol] 231:91-3, 19 May 71

Cell fusion by Newcastle disease virus in the absence of RNA synthesis. Treeve P, et al. Nature [New Biol] 229:157-8, 3 Feb 71

Does DNA unwind? Nature [New Biol] 231:193-4, 16 Jun 71

Rifamycin SV: effect on RNA synthesis in meristematic cells of Allium cepa. Nagl W. Naturwissenschaften 57:458, Sep 70

Nuclear RNA metabolism in the spleen during the inductive phase of immunogenesis. Stanchev BD. Nauchni Tr Vissh Med Inst Sofiia 49:31-6, 1970

A serum lymphotoxic factor in multiple sclerosis. Stjernholm R, et al. Neurology (Minneap) 20:389, Apr 70

Effects of growth regulators on ribonucleic acid metabolism of barley leaf segments. Poulson R, et al. Plant Physiol 46:782-5, Dec 70

Ribonucleic acid synthesis in endometrial epithelium in mice after whole-body x-ray irradiation. Konecki J, et al. Pol Med J 9:1524-31, 1970

Karyometric and autoradiographic studies of regional lymph node cells in rabbit after antigenic challenge. Plonka WS. Pol Med J 10:475-88, 1971

Biochemical properties of human tonsillar lymphocytes. Piffkó P, et al. Pract Otorhinolaryngol (Basel) 32:350-5, 1970

The first steps of magnification of DNA complementary to ribosomal RNA in Drosophila malanogaster. Ritossa F, et al. Proc Natl Acad Sci USA 68:1580-4, Jul 71

Effect of H-1 virus infection on RNA synthesis in NB cells. Fong CK, et al. Proc Soc Exp Biol Med 135:585-8, Dec 70

Acute effects of testosterone propionate upon RNA synthesis in mouse kidney. Frieden EH, et al. Proc Soc Exp Biol Med 137:1110-4, Jul 71

Effect of thyroxine on RNA synthesis of rat uterus. Miura S, et al. Proc Soc Exp Biol Med 136:487-90, Feb 71

The effect of short term experiences on the incorporation of uridine into RNA and polysomes of mouse brain. Glassman E, et al. Progr Brain Res 32:245-9, 1970

The effects of x-rays on the synthesis of DNA, RNA, and proteins in synchronized Chinese hamster cells. Bacchetti S, et al. Radiat Res 45:598-612, Mar 71

Radiation effects on macromolecular synthesis in contact inhibition-sensitive cells synchronized by medium change. Yoshikura H. Radiat Res 47:548-61, Aug 71

Nucleic acids synthesis during the 3rd molt period of Rhynchosciara americana. Basile R, et al. Rev Bras Biol 30:291-6, Jun 70

In vitro turnover of H3-cytidine labeled lymphocyte RNA. Bremer K. Rev Eur Etud Clin Biol 15:1093-6, Dec 70

Synthesis of nucic acids and proteins in the dimorphic forms of Candida albicans. Dabrowa N, et al. Sabouraudia 8:163-9, Nov 70

Adenosine 3',5'-monophosphate increases capacity for RNA synthesis in rat liver nuclei. Dokas LA, et al. Science 172:1237-8, 18 Jun 71

Ribosomal RNA synthesis and the multiple, atypical nucleoli in cleaving embryos. Emerson CP Jr, et al. Science 171:898-901, 5 Mar 71

Actinomycin D; renewed RNA synthesis after removal from mammalian cells. Schluderberg A, et al. Science 172:577-9, 7 May 71

Hepatic nuclear ribonucleic acid synthesis in hemorrhagic shock. Lazarus HM, et al. Surg Forum 21:14-5, 1970

The autonomy of nuclear activity in multicellular organisms. Gurdon JB. Symp Soc Exp Biol 23:369-78, 1970 (29 ref.)

Synthesis of RNA in Acetabularia. Schweiger HG. Symp Soc Exp Biol 23:327-44, 1970

RNA synthesis in polyoma virus-infected mouse embryo cells in tissue culture. Bowen JM, et al. Tex Rep Biol Med 28:519-29, Winter 70

Peripheral blood leucocyte changes during human renal allograft rejection. Parker JR, et al. Transplantation 11:201-9, Mar 71

Host cell macromolecular synthesis in cells containing EBV-induced early antigens, studied by combined immunofluorescence and radioautography. Gergely L, et al. Virology 45:22-9, Jul 71

Viral and host RNA synthesis in BSMV-infected barley. Pring DR. Virology 44:54-66, Apr 71

The response of BHK21 cells to infection with type 12 adenovirus. V. Stimulation of cellular RNA synthesis and evidence for transcription of the viral genome. Raška K Jr, et al. Virology 44:296-306, May 71

Effect of acetamidofluorene and activated derivatives on "macromolecular synthesis" in single cell cultures. Süss R, et al. Z Krebsforsch 74:338-43, 1970

Transcription of 4S RNA in Limnaea (mollusc) embryos. Brahmachary RL, et al. Z Naturforsch [B] 25:1318-9, Nov 70

Inhibition of RNA synthesis by alpha-amanitin in vivo. Niessing J, et al. Z Naturforsch [B] 25:1119-25, Oct 70

Comparison of the influence of spermidine and monovalent salts on RNA synthesis. Petersen EE, et al. Z Naturforsch [B] 25:1042-6, Sep 70

Studies of oogenesis in the rotifer, Asplanchna. II. Oocyte growth and development. Bentfeld ME. Z Zellforsch Mikrosk Anat 115:184-95, 1971

Effect of ACTH on mitochondrial RNA synthesis of rat adrenocortical cells. Nussdorfer GG, et al. Z Zellforsch Mikrosk Anat 118:35-48, 1971

Autoradographic study of RNA synthesis in isolated cells in culture from chick embryo spinal ganglia. Sensenbrenner M, et al. Z Zellforsch Mikrosk Anat 106:615-26, 1970

[Ribonucleic acid, learning and memory] Nováková V. Cesk Fysiol 19:61-70, Sep 70 (85 ref.) (Cze)

[Current problems of molecular embryology] Brachet J. Annee Biol 9:619-69, Nov-Dec 70 (Fre)

[Cytological and cytochemical study of in-vitro cultured nerve cells of the lumbosacral spinal cord of chick embryos] Noel-Courtey B, et al. Arch Biol (Liege) 81:361-85, 1970 (Fre)

[Specificity of cistrons directing the synthesis of ribosomal RNA in animals, plants and bacteria] Distèche M, et al. Arch Int Physiol Biochim 78:584-6, Aug 70 (Fre)

[Synthesis and accumulation of RNA during oogenesis in Xenopus laevis] Mairy M, et al. Arch Int Physiol Biochim 78:599-601, Aug 70 (Fre)

[Synthesis of RNA during oogenesis] Mairy-von Frenckell M. Arch Int Physiol Biochim 78:393-7, Apr 70 (Fre)

[Action of testosterone on RNA synthesis by male accessory organs] Van Rymenant M, et al. Arch Int Physiol Biochim 79:212-3, Jan 71 (Fre)

[Increase in organizer cistrons for 5S RNA and transfer RNA in small Xenopus laevis oocytes] Wegnez M, et al. Arch Int Physiol Biochim 79:215-7, Jan 71 (Fre)

[Oestradiol receptors in the calf uterus. Stimulation of RNA biosynthesis in vitro] Arnaud M, et al. Biochim Biophys Acta 232:117-31, 25 Feb 71 (Fre)

[Rapidly labeled ribonucleic acids from lentil roots. Isolation and characterization, action of a hormone on their synthesis and that of peroxidases] Miassod R, et al. Biochim Biophys Acta 224:423-40, 14 Dec 70 (Fre)

[Action of acrolein on the synthesis of nucleic acids in vivo] Munsch N, et al. Biochimie 53:243-8, 1971 (Fre)

[In vivo study of DNA and RNA kinetics of various normal and cancerous human cell populations] Duprez A, et al. Bull Cancer (Paris) 56:73-90, Jan-Mar 69 (Fre)

[Study of incorporation of uridine-3H in the nucleus in the Amphidinium carteri, Dinoflagellata] Babillot C. C R Acad Sci [D] (Paris) 271:828-31, 7 Sep 70 (Fre)

[Relations between the morphogenetic events of regeneration and the synthesis of ribonucleic acids and proteins. Study in Eisenia foetida (Oligochaeta)] Chapron C. C R Acad Sci [D] (Paris) 272:859-62, 8 Feb 71 (Fre)

[Effects of vesicular stomatitis virus on the metabolism of proteins and ribonucleic acids of chick embryo cells] Genty N, et al. C R Acad Sci [D] (Paris) 271:1460-3, 19 Oct 70 (Fre)

[Histochemical study of nucleic acids in the oocytes of the Japanese quail (Coturnix coturnix japonica) a few days before maturation] Callebaut M. C R Soc Biol (Paris) 164:902-3, 1970 (Fre)

[Effects of protein deficiency on regulation of biosynthesis of RNA in the liver of the rat] Quirin-Stricker C, et al. C R Soc Biol (Paris) 164:1380-4, 1970 (Fre)

[Biochemical studies on oogenesis. I. RNA synthesis and accumulation during oogenesis of the South African toad Xenopus laevis] Mairy M, et al. Dev Biol 24:143-65, Feb 71 (Fre)

[In vivo and in vitro incorporation of 3H-uridine into mitochondrial RNA] Curgy JJ. Exp Cell Res 62:359-67, Oct 70 (Fre)

[Autoradiographic study of the incorporation of tritiated uridine in isolated cells of spinal ganglia in culture] Ciesielski-Treska J, et al. J Physiol (Paris) 62:Suppl 2:261, 1970 (Fre)

[The effect of 3-amino-1, 2, 4-triazole (Amitrol) on the nucleic acid biosynthesis of the unicellular alga Poteriochromonas stipitata] Schröder I, et al. Acta Biol Med Ger 24:405-7, 1970 (Ger)

[RNA-synthesis of the skin. DNA-dependent RNA-polymerase activity in guinea pig epidermis] Lukács I, et al. Arch Klin Exp Dermatol 238:187-96, 1970 (Ger)

[Inhibition of hormonally induced DNA synthesis by caffeine in vivo] Mitznegg P, et al. Klin Wochenschr 48:1194-5, 1 Oct 70 (Ger)

[Autoradiographic studies of the early effect of thyroxine on RNA synthesis in the brain of Xenopus larvae] Stadler H, et al. Rev Suisse Zool 77:587-96, Sep 70 (Ger)

[Nucleic acid and protein synthesis of the adrenal cortex of rats following dexamethasone application] Ueberberg H, et al. Virchows Arch [Zellpathol] 6:97-106, 1970 (Ger)

[Effect of prednisolone on the synthesis of RNA and DNA in phytohemagglutinin-stimulated lymphocytes] Drings P, et al. Z Gesamte Exp Med 153:35-50, 1970 (Ger)

[Influence of S-adenosylmethionine on the methylation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of the RNA by dimethylnitrosamine in vivo] Krüger FW, et al. Z Krebsforsch 74:162-70, 1970 (Ger)
[Inhibition of biosynthesis of DNA and RNA by synovial cells by means of immunosuppressive substances] Greiling H, et al.
Z Rheumaforsch 29:146-52, May-Jun 70 (Ger)
[Autoradiographic study on the early effects of thyroxine on RNA-synthesis in various tissues of Xenopus-larvae] Stadler H.
Z Zellforsch Mikrosk Anat 117:118-38, 1971 (Ger)
[In vivo effects of cycloheximide. Histochemical study of the changes in the salivary glands of the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:187-95, Jul-Sep 69 (Ita)
[Regulation of the cell cycle in initial embryogenesis in mice] Monesi V, et al.
Biol Lat 22:217-25, Jul-Sep 69 (Ita)
[Effects of farmotal on the proliferative activity of cells cultured in vitro] Caroli GC, et al.
Boll Soc Ital Biol Sper 45:1247-51, 15 Oct 69 (Ita)
[RNA synthesis induced with triiodothyronine. II.] Gallo G, et al.
Boll Soc Ital Biol Sper 46:917-21, 30 Nov 70 (Ita)
[RNA synthesis induced with triiodothyronine. I.] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:915-7, 30 Nov 70 (Ita)
[Effect of hydroxyruea on the biosynthesis of nucleotides, RNA and DNA in the liver of the chick embryo] Ricceri G, et al.
Boll Soc Ital Biol Sper 45:1654-8, 31 Dec 69 (Ita)
[Effect of ACTH on cytoplasmic RNA of lymphocytes] Casini Raggi G, et al.
Riv Clin Pediatr 82:341-4, Oct-Dec 69 (Ita)
[Biological activity of adriamycin in vitro] Silvestrini R, et al. Tumori 56:137-48, May-Jun 70 (Ita)
[Symposium; biosynthesis of RNA] Nishihara T, et al.
J Jap Biochem Soc 42:397-9, Aug 70 (Jap)
[Incorporation of 32 P into different RNA fractions of embryo chicken brain] Borkowska I, et al.
Ann Univ Mariae Curie Sklodowska [Med] 24:195-201, 1969 (Pol)
[RNA synthesis in leukemic cells of the peripheral blood] Jost N, et al.
Stud Cercet Med Interna 11:493-500, 1970 (Rum)
[RNA synthesis in the leukocytes of peripheral blood in normal humans] Negru-Chicioreanu C, et al.
Stud Cercet Med Interna 11:413-7, 1970 (Rum)
[Metabolism and regeneration of the myocardium] Danilova KM, et al. Arkh Patol 33:29-36, 1971 (Rus)
[Localization and kinetics of RNA and protein synthesis in the isolated nervous system of Tritonia diomedia Bergh] Bezruchko SM, et al.
Biofizika 15:1036-43, Nov-Dec 70 (Rus)
[RNA synthesis in isolated nuclei of early loach embryos] Akhalkatsi RG, et al.
Biokhimiia 35:1193-201, Nov-Dec 70 (Rus)
[Synthesis of high-polymer ribonucleic acids during the early development of Misgurnus] Dontsova GV, et al. Biokhimiia 35:167-71, 1970 (Rus)
[Properties of 30-60S DNA-like RNA in animal cells] Gazarian KG, et al.
Biokhimiia 35:1238-49, Nov-Dec 70 (Rus)
[Comparative study of the effect of estrogens and androgens on RNA biosynthesis in the rat uterus] Iudaev NA, et al. Biokhimiia 35:72-8, 1970 (Rus)
[Estrogen and androgen induction of biosynthesis of nuclear and cytoplasmic RNA by the rat uterus: double-label studies] Iudaev NA, et al.
Biokhimiia 36:380-7, Mar-Apr 71 (Rus)
[Mitotic cycle of cells of regenerating rat liver in RNA synthesis disturbed by actinomycin in the G1 period] Beliaeva ID.
Biull Eksp Biol Med 69:105-7, Mar 70 (Rus)
[Nucleic acid content in cultures of macrophages with antigen] Grutman MI, et al.
Biull Eksp Biol Med 70:70-1, Jul 70 (Rus)
[Diurnal rhythm in the quantity of cells synthesizing RNA and mitoses in mouse corneal epithelium] Mamontov SG.
Biull Eksp Biol Med 68:85-8, Oct 69 (Rus)
[Synthesis of proteins, RNA and phospholipids in the myocardium in compensatory hyperfunction of the heart following preliminary castration] Shmakov IuG.
Biull Eksp Biol Med 67:23-4, 1969 (Rus)
[Effect of 8-mercaptoadenine on cellular metabolism] Smertenko II, et al.
Biull Eksp Biol Med 70:100-4, Jul 70 (Rus)
[Effect of cortisone on the development of embryos of the sea urchin Strongylocentrotus nudus and Misgurnus fossilis and the nucleic acid biosynthesis] Chestukhin AV.
Dokl Akad Nauk SSSR 187:956-9, Aug 69 (Rus)
[Synthesis of high-polymer RNA in isolated blastoderms and dissociated cells of loach embryos] Dontsova GV, et al.
Dokl Akad Nauk SSSR 184:1253-6, 11 Feb 69 (Rus)
[Effect of sex hormones on the synthesis of nuclear and cytoplasmic RNA in the liver of growing rats] Gol'ber LM, et al.
Dokl Akad Nauk SSSR 190:1001-3, Feb 70 (Rus)
[Activation of protein and RNA synthesis in the brain as a factor of adaptation to high-altitude hypoxia] Meerson FZ, et al.
Dokl Akad Nauk SSSR 187:697-700, 21 Jun 69 (Rus)
[Role of nucleic acid and protein synthesis in the myocardium in the adaptation of the heart to the prolonged action of acute hypoxia and use of this adaptation in the prevention of acute coronary insufficiency] Meerson FZ, et al.
Dokl Akad Nauk SSSR 184:500-3, Jan 69 (Rus)
[Effect of diazoketones on macromolecule synthesis in bacterial and animal cells] Plugina LA, et al.
Dokl Akad Nauk SSSR 188:934-6, Oct 69 (Rus)
[Control of RNA biosynthesis in the liver of irradiated animals] Todorov IN, et al.
Dokl Akad Nauk SSSR 186:219-21, May-Jun 69 (Rus)
[Effect of inhibitors of energy metabolism on the synthesis and decay of RNA in animal cells] Volkova LM, et al.
Dokl Akad Nauk SSSR 186:225-7, May-Jun 69 (Rus)
[Synthesis of ribonucleic acid and protein in cultured animal and human cells under suboptimal temperature conditions] Ageeva ON, et al.
Tsitologiia 12:1287-96, Oct 70 (Rus)
[Effect of cortisone on the development of sea urchin embryos and on the biosynthesis of nucleic acids] Chestukhin AV, et al. Tsitologiia 11:348-53, 1969 (Rus)
[Changes in RNA levels in neurons and glial cells during natural and artificial activiation of the neurons] Gefnisman IuIa, et al.
Tsitologiia 12:1028-38, Aug 70 (Rus)
[Radioautographic study of protein and RNA syntheses during paranecrosis and subsequent reparation] Kharazova AD. Tsitologiia 13:69-75, Jan 71 (Rus)
[Nature of RNA synthesized in liver cells during cortisone treatment] Konstantinova IM, et al.
Tsitologiia 12:1530-40, Dec 70 (Rus)
[RNA synthesis in cultured lymphocytes from donors of different ages] Pospelova TV.
Tsitologiia 13:76-82, Jan 71 (Rus)
[Snythesis of RNA and protein in the developing ovum and follicule of mice] Zybina EV.
Tsitologiia 13:768-75, 1971 (Rus)
[Regulation of RNA synthesis in animal cells] Georgiev GP.
Usp Sovrem Biol 69:331-52, May-Jun 70 (109 ref.) (Rus)
[Present status and future prospects in the study of extrachromosomal heredity in bacteria] Kudlai DG.
Vestn Akad Med Nauk SSSR 24:79-87, 1969 (Rus)
[Rauscher virus and its effect on RNA synthesis in the spleen cells of line BALB-c mice] Kiselev FI, et al.
Vopr Virusol 15:589-96, Sep-Oct 70 (Rus)
[The effect of poliomyelitis virus infection on the matrix activity of FL cell deoxyribonucleoprotein in in vitro experiments with E. coli RNA-polymerase] Zaimanzon ES, et al.
Vopr Virusol 15:414-8, Jul-Aug 70 (Rus)
[Topography of uridine incorporation by the neural axis of the rat. I. Prosencephalon, prechiasmatic portion] Carreres Quevedo J, et al.
Arch Neurobiol (Madr) 34:113-24, Mar-Apr 71 (Spa)
[RNA synthesis in response to antigenic stimulation] Macario AJ, et al.
Medicina (B Aires) 30:507-21, Sep-Oct 70 (189 ref.) (Spa)
[Effect of 4,6-diamino-symm-triazines on nucleic acids of liver and kidney in rats] Kuznetsova LI, et al.
Ukr Biokhim Zh 42:617-20, 1970 (Ukr)

BLOOD

The nucleic acid content of lymphocytes in thyrotoxicosis. Smith JF, et al.
Clin Exp Immunol 8:911-6, Jun 71
Quantitative changes of nucleic acids in lymphocytes in culture under the influence of amethopterin. Urasiński I.
Folia Histochem Cytochem (Krakow) 8:321-7, 1970

CHEMICAL SYNTHESIS

Transcription of RNA polymerase binding sites isolated from T4 phage DNA. Rüger W.
Biochim Biophys Acta 238:202-11, 13 May 71
Synthetic DNA-RNA hybrids and RNA-RNA duplexes as templates for the polymerases of the oncogenic RNA viruses. Spiegelman S, et al.
Nature (Lond) 228:430-2, 31 Oct 70

CLASSIFICATION

Characterization of RNAs that do and do not migrate between cytoplasm and nucleus. Goldstein L, et al.
Proc Natl Acad Sci USA 67:1367-74, Nov 70

ISOLATION & PURIFICATION

The use of diethyl pyrocarbonate as a nuclease inhibitor in the extraction of ribonucleic acids from animal tissues. Zsindely A, et al.
Acta Biochim Biophys Acad Sci Hung 5:423-34, 1970
Electrophoresis of ribonucleic acids on polyacrylamide gel gradients. Caton JE, et al.
Anal Biochem 42:14-20, Jul 71
Preparative gel electrophoresis of ribonucleic acids. Malacinski GM. Anal Biochem 38:288-91, Nov 70
Simplified adaptor for electroelution. Popescu M, et al.
Anal Biochem 40:247-53, Apr 71
Ribosomal-type ribonucleic acid from rodent mitochondria. Bartoov B, et al.
Biochem J 120:455-66, Dec 70
Isolation of low molecular weight, methylated ribonucleic acids from 10S to 30S particles of Chinese hamster cell fractions. Enger MD, et al.
Biochemistry 9:3551-62, 1 Sep 70
Extraction and characteristics of a nuclear rapidly labelled RNA fraction from Rhynchosciara salivary glands. Armelin HA, et al.
Biochim Biophys Acta 217:426-33, 15 Oct 70
A new cytoplasmic ribonucleoprotein particle in the cellular slime mold, Dictyostelium purpureum. Ceccarini C, et al.
Biochim Biophys Acta 217:212-5, 17 Sep 70
Ribonucleic acids from the mitochondria of bleached Euglena gracilis Z. I. Isolation of mitochondria and extraction of nucleic acids. Krawiec S, et al.
Biochim Biophys Acta 217:120-31, 17 Sep 70
The isolation of 5-S ribosomal RNA from plants. Payne PI, et al. Biochim Biophys Acta 228:167-72, 1 Jan 71
Temperature- and phenol-induced alterations in sedimentation rates of 29-S and 18-S ribosomal RNA's from Novikoff hepatoma cells. Plagemann PG.
Biochim Biophys Acta 224:451-7, 14 Dec 70
The buoyant behavior of RNA and DNA in cesium sulfate solutions containing dimethylsulfoxide. Williams AE, et al.
Biochim Biophys Acta 228:423-39, 28 Jan 71
On the extraction and characterization of ribosomal RNA from Acetabularia. Woodcock CL, et al.
Biochim Biophys Acta 224:639-43, 14 Dec 70
RNA from free and membrane-bound rat liver ribosomes. Lechner MC.
Bull Soc Chim Biol (Paris) 52:1532-4, 1970
Hydroxyapatite chromatography of 5S RNA from wheat. Soave C, et al.
Bull Soc Chim Biol (Paris) 52:857-65, 1970
Satellite DNA associated with heterochromatin in Rhynchosciara. Eckhardt RA, et al.
Chromosoma 32:407-27, 16 Mar 71
Isolation and characterization of ribonucleic acid from Musca domestica (L.). Balazs I, et al.
Comp Biochem Physiol 27:227-37, Oct 68
The isolation of purified nuclear and chromatin fractions from chick intestinal mucosa. Haussler MR, et al. Exp Cell Res 58:234-42, Dec 69
Studies of template activity of chromatin isolated from metabolically active and inactive cells. Seligy V, et al.
Exp Cell Res 58:27-34, Nov 69
RNA of Physarum. I. Preparation and properties. Zellweger A, et al. Exp Cell Res 65:413-23, Apr 71
Isolation and properties of a new species of ribonucleic acid synthesized in sporulating cells of Saccharomyces cerevisiae. Kadowaki K, et al.
J Bacteriol 105:831-6, Mar 71
A simple electrophoretic procedure for separation of RNA on mixed agarose-acrylamide gel columns. Bourque DP, et al. J Chromatogr 56:79-86, 24 Mar 71
Some aspects of the fractionation of DNA on an IR-120 Al3+ column. V. The effect of RNA contamination on the chromatographic profiles of DNA. Kothari RM.
J Chromatogr 57:83-8, 22 Apr 71
Isolation and characterization of epidermal DNA and RNA from guinea pig skin. Krämer DM, et al.
J Invest Dermatol 56:55-60, Jan 71
Structure and function of mammalian ribosomes. I. Isolation and characterization of active liver ribosomal subunits. Falvey AK, et al.
J Mol Biol 53:1-19, 14 Oct 70
Localization and characterization of the ribosomal RNA cistrons in Sciara coprophila. Gerbi SA.
J Mol Biol 58:499-511, 14 Jun 71
Low molecular weight ribonucleic acid in rabbit reticulocyte ribosomes. King HW, et al.
J Mol Biol 51:687-702, Aug 70
Evidence for transport of preribosomal RNA from the nucleolus to the chromosomes in Chironomus tentans salivary gland cells. Ringborg U, et al.
J Mol Biol 51:679-86, Aug 70
Transfer agent of immunity. VII. Partial purification of immune ribonucleic acid. Mikami H, et al.
Jap J Microbiol 15:169-74, Mar 71
Problematic chromosomal RNA. Bonner J.
Nature (Lond) 231:543-4, 25 Jun 71
Isolation of tyrosine tRNA precursor molecules. Altman S. Nature [New Biol] 229:19-21, 6 Jan 71
The properties of chloroplast ribosomal-RNA. Ingle J, et al. Symp Soc Exp Biol 23:303-25, 1970
[Chromatography of nucleic acids of healthy tobacco and tobacco infected by various viruses on a hydroxyapatite column] Pinck L.
Bull Soc Chim Biol (Paris) 52:843-55, 1970 (Fre)
[Method for separation of various RNA classes by gel electrophoresis on polyacrylamide slabs] Jalouzot R.
Experientia 27:118-20, 15 Jan 71 (Fre)
[Isolation and characterization of rapidly labelled RNA from Euglena gracilis by means of analytical and preparative electrophoresis in polyacrylamide gels] Spiess E, et al. Arch Mikrobiol 75:37-58, 1970 (Ger)
[Isolation of ribonucleic acids from human bone marrow cells] Letnansky K.
Experientia 26:1284-5, 15 Nov 70 (Ger)
[Nucleic acids in rat brain. I. In vivo labelling with P 32 ;

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the preparation of DNA and four different RNA-fractions by one operation] Oesterle W, et al. Hoppe Seylers Z Physiol Chem 352:959-76, Jul 71 (Ger)

[Analysis of the RNA fractions of mouse liver: comparison of the extraction methods of Kirby and Georgiev] Hennig W, et al. Z Naturforsch [B] 26:235-43, Mar 71 (Ger)

[Separation of ribonucleic acid on polyacrylamide gels] Wójcicki J. Postepy Biochem 16:551-8, 1970 (Pol)

[Infectivity of RNA preparations from tissue infected with potatoe X-virus] Mikheeva II. Mikrobiol Zh 31:469-74, Sep-Oct 69 (Ukr)

METABOLISM

Effect of ribonuclease on pigeon liver ribosomal ribonucleic acids. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:183-90, 1970

RNase sensitivity of messenger and ribosomal RNA in pigeon liver polysomes. Hüvös P, et al. Acta Biochim Biophys Acad Sci Hung 5:191-201, 1970

RNA metabolism of circulating lymphocytes studied in man after autotransfusion and in vitro 3 H-cytidine labeling. Bremer K, et al. Acta Haematol (Basel) 45:181-91, 1971

Metabolism of RNA in normal and leukemic cells. Cline MJ. Acta Haematol (Basel) 45:174-80, 1971

Autoradiographic studies on the kinetics of nuclear-cytoplasmic transfer of RNA in blast cells of acute leukaemia. Quaglino D, et al. Acta Haematol (Basel) 45:192-200, 1971

Processing of ribosomal RNA precursor in isolated insect nuclei. Hughes M, et al. Biochem Biophys Res Commun 39:1108-13, 1970

Incorporating activity of ribosomes and integrity of ribosomal RNA. Hüvös P, et al. Biochem Biophys Res Commun 41:1020-6, 25 Nov 70

A rapidly-labeled RNA species from the silkgland of the wax moth, Galleria mellonella (L.). Ishikawa H, et al. Biochem Biophys Res Commun 40:654-60, 11 Aug 70

A study of bobbed mutants induced by ethyl-methane-sulfonate in Drosophila melanogaster. Marrakechi M, et al. Biochem Biophys Res Commun 43:273-7, 16 Apr 71

Continuous flow system with immobilized nuclei. A method for kinetic studies on RNA metabolism. Sauermann G. Biochem Biophys Res Commun 39:738-43, 22 May 70

Disappearance of radioactivity from the various ribonucleic acid pools and acid-soluble fractions of mouse liver and kidney after a single injection of labelled orotic acid. The effect of castration. Avdalović N. Biochem J 119:331-8, Sep 70

Effect of sterigmatocystin on rat liver nuclear RNA. Nei W, et al. Biochem Pharmacol 19:957-9, Mar 70

Pulse-labeled ribonucleic acid complexes released by dissociation of rat liver polysomes. Lee SY, et al. Biochemistry 10:510-6, 2 Feb 71

On the basis of specific fragmentation of ribonucleic acid by nucleases. Pinder JC, et al. Biochemistry 9:4519-24, 10 Nov 70

An apparent identity of 5-S RNA from free and membrane-bound reticulocyte ribosomes. Christman JK, et al. Biochim Biophys Acta 217:346-55, 15 Oct 70

Sedimentation analysis of the rapidly labeled mitochondrial RNA of cultured hamster cells. Dubin DT, et al. Biochim Biophys Acta 224:663-6, 14 Dec 70

Passage of ribosomal RNA from nucleus to cytoplasm in differentiating yolk sac erythroid cells. Fantoni A, et al. Biochim Biophys Acta 238:245-58, 13 May 71

RNA breakdown in a thermophilic Bacillus exposed to rifampicin. Grinsted J, et al. Biochim Biophys Acta 217:202-3, 17 Sep 70

Comparison of the partial sequences of nucleolar and cytoplasmic RNA's of rat liver. Higashi K, et al. Biochim Biophys Acta 217:408-17, 15 Oct 70

Incorporation of nuclear rapidly labeled RNA into polysomes in the reconstructed system of rat liver. Ishikawa K, et al. Biochim Biophys Acta 213:542-4, 8 Aug 70

Methylation of preribosomal and transfer RNA's by isolated nucleoli of the Novikoff rat tumor. Liau MC, et al. Biochim Biophys Acta 224:282-5, 12 Nov 70

Early effects of phenobarbital on cytoplasmic RNA in rat liver. McCauley R, et al. Biochim Biophys Acta 238:233-44, 13 May 71

Interaction of informational macromolecules with ribosomes. 3. Binding of nuclear RNA by normal liver and hepatoma ribosomes. Naora H, et al. Biochim Biophys Acta 224:498-506, 14 Dec 70

Studies on the metabolism of RNA of free and membrane-bound polysomes from rat liver. Tanaka T, et al. Biochim Biophys Acta 224:507-17, 14 Dec 70

Organ specificity of RNA and identity of DNA in the salmon brain. Tano S, et al. Biochim Biophys Acta 213:45-54, 16 Jul 70

Flow cell analysis of enzymatic RNA digests. Thirion JP. Biochim Biophys Acta 217:523-6, 15 Oct 70

Changes in hybridizable nuclear RNA during differentiation of mammary cells. Turkington RW. Biochim Biophys Acta 213:484-94, 8 Aug 70

Decay of transfer and total RNA in maturing reticulocytes. Zehavi-Willner T, et al. Biochim Biophys Acta 238:439-46, 27 May 71

Rates of turnover of deoxythymidine kinase and of its template RNA in Novikoff hepatoma and neonatal liver. Bresnick E, et al. Cancer Res 30:1060-3, Apr 70

Binding of 7,12-dimethylbenz(a)anthracene and benzo(a)pyrene to nucleic acids and proteins of organs in rats. Prodi G, et al. Cancer Res 30:1020-3, Apr 70

A comparison of 32P distribution in oligonucleotides of ribosomal 28 S RNA from normal liver and Novikoff hepatoma ascites cells. Wikman J, et al. Cancer Res 30:2749-59, Nov 70

Involvement of 1-methyladenosine and 7-methylguanosine in the three-dimensional structure of (yeast)tRNAPhe. Igo-Kemenes T, et al. Eur J Biochem 18:292-8, Jan 71

Polols and turnover rates of nuclear ribosomal RNA in Tetrahymena pyriformis. Leick V, et al. Eur J Biochem 14:460-4, Jul 70

Binding of aminoacyl-tRNA to ribosomes programmed with bacteriophage MS2-RNA. Voorma HO, et al. Eur J Biochem 18:451-62, Feb 71

The effect of aflatoxin B1 on RNA synthesis and breakdown in normal and regenerating rat liver. Wagner L, et al. Eur J Cancer 6:465-76, Dec 70

Molecular hybridization of Chinese hamster 5S, 4S and "pulse-labelled" RNA in cytological preparations. Amaldi F, et al. Exp Cell Res 65:329-34, Apr 71

Localisation of rapidly and slowly labelled nuclear RNA as visualized by high resolution autoradiography. Fakan S, et al. Exp Cell Res 67:129-41, Jul 71

Nucleic acid metabolism in rat thymocytes x-irradiated in vitro. Geraci JP, et al. Exp Cell Res 65:368-76, Apr 71

Evidence for transfer of macromolecular RNA between mammalian cells in culture. Kolodny GM. Exp Cell Res 65:313-24, Apr 71

Migration of newly synthesized RNA during mitosis. II. Chinese hamster fibroblasts. Neyfakh AA, et al. Exp Cell Res 65:345-52, Apr 71

Migration of newly synthesized RNA during mitosis. I. Embryonic cells of the loach (Misgurnus fossilis L.). Neyfakh AA, et al. Exp Cell Res 65:340-4, Apr 71

Characterization of rapidly labeled RNA in Tetrahymena pyriformis. Prescott DM, et al. Exp Cell Res 67:124-8, Jul 71

Nuclear pore flow rates of ribonucleic acids in the mature rat hepatocyte. Franke WW, et al. Experientia 27:372-3, 15 Apr 71

Mass and RNA content of rat spinal anterior horn neurons during postnatal development. Haltia M, et al. Experientia 26:1069-70, 15 Oct 70

The effect of L-asparaginase on the synthesis and processing of ribosomal precursor RNA in PHA-stimulated lymphocytes. Torelli UL, et al. Experientia 26:1366-8, 15 Dec 70

Placental and fetal RNA metabolism. I. In vivo labeling of the fetal and placental RNA in the 14-day pregnant rat. Hayashi TT, et al. Gynecol Invest 1:31-8, 1970

The effect of adenosine 3',5'-monophosphate on (3 H)thymidine incorporation in vitro into mouse spleen and thymic cells. Burger M, et al. Hoppe Seylers Z Physiol Chem 352:1019-34, Jul 71

Polyacrylamide-agarose electrophoretic pattern of the RNA labelling in liver cytoplasm and total liver of 5-fluorouracil treated rats. Willén R. Hoppe Seylers Z Physiol Chem 351:1141-50, Sep 70

Metabolic studies on the mechanism of urethan action V. Sequential metabolic changes in urethan treated Swiss mice with reference to nucleic acid metabolism. Giri CP, et al. Indian J Cancer 7:119-25, Jun 70

Effect of altered hormonal states on the histochemical distribution of nucleic acids in the rat prostatic complex. Takkar GL, et al. Indian J Exp Biol 8:63-7, Apr 70

The relation of metabolism to macromolecular binding of the carcinogen benzo[a]pyrene, by mouse embryo cells in culture. Duncan ME, et al. Int J Cancer 6:496-505, 15 Nov 70

RNA and mucopolysaccharide metabolism in rachitic cartilage and bone. Simmons DJ, et al. Isr J Med Sci 7:612-3, Mar 71

The template activities of nuclear RNAs from rat liver, regenerating liver and hepatoma AH-130 cells. Amano M, et al. J Biochem (Tokyo) 69:671-8, Apr 71

Turnover of ribosomal RNA of mouse peritoneal macrophages in cell culture. Okuma S, et al. J Biochem (Tokyo) 68:711-6, Nov 70

Binding of 5 S ribosomal ribonucleic acid to the unfolded 50 S ribosomes of Escherichia coli II. Hosokawa K. J Biol Chem 245:5880-7, 25 Nov 70

Intracellular distribution of low molecular weight RNA in Chironomus tentans. Egyházi E, et al. J Cell Biol 48:120-7, Jan 71

Metabolism of nucleic acids and proteins of normal and chemosterilized house flies during oögenesis and embryogenesis. Gadallah AI, et al. J Econ Entomol 63:1777-83, Dec 70

Effect of the chemosterilant P,P'-bis(1-aziridinyl)-N-(3-methoxypropyl)-phosphinothioic acid on ribosomal RNA and ribosomal protein in the eggs of house flies. Gadallah AI, et al. J Econ Entomol 64:371-4, Apr 71

Ribonucleic acid production and breakdown in synchronized erythroid cohorts from actinomycin-treated animals. Izak G, et al. J Lab Clin Med 77:923-30, Jun 71

Inhibition of the processing of ribosomal precursor RNA by intercalating agents. Snyder AL, et al. J Mol Biol 58:555-65, 14 Jun 71

Patterns and labelling characteristics in neuronal and glial RNA. Jaristedt J, et al. J Neurochem 18:921-30, Jun 71

Synthesis and degradation of liver ribosomal RNA in fed and fasted rats. Enwonwu CO, et al. J Nutr 101:337-45, Mar 71

Studies on RNA and protein metabolism of normal human placenta in organ culture. Ewen SW, et al. J Pathol 103:p17-8, Feb 71

Histochemical changes of nucleic acids in the follicular stroma of the rabbit's ovary before and during ovulation. Guraya SS. J Reprod Fertil 24:107-8, Jan 71

Liver nuclear RNA metabolism in rats treated with aflatoxin B1. Friedman MA, et al. Life Sci [II] 9:741-7, 8 Jul 70

Growth curves and nucleic acids content of mycelial and yeast-like forms of Paracoccidioides brasiliensis. Ramirez-Martinez JR. Mycopathol Mycol Appl 41:203-10, 4 Dec 70

Translation of a purified DNA-RNA complex. Avadhani NG, et al. Nature (Lond) 228:242-5, 17 Oct 70

RNA dependent DNA polymerase activity in mammalian cells. Scolnick EM, et al. Nature (Lond) 229:318-21, 29 Jan 71

Competitive hybridization with brain RNA fails to confirm new RNA induced by learning. Von Hungen K. Nature (Lond) 229:114-5, 8 Jan 71

Early ribosomal RNA transcription and appearance of cytoplasmic ribosomes during germination of the wheat embryo. Chen D, et al. Nature [New Biol] 231:69-72, 19 May 71

Renotropic factor(s) in plasma from uninephrectomized rats. Preuss HG, et al. Nephron 7:459-70, 1970

Diurnal rhythms of pineal nucleic acids and protein. Nir I, et al. Neuroendocrinology 7:271-7, 1971

Diet induced changes in hexosemonophosphate dehydrogenases and RNA metabolism. Nutr Rev 29:72-4, Mar 71 (4 ref.)

The effect of ultraviolet light on RNA metabolism in bromouracil deoxyriboside-grown HeLa cells. Painter RB, et al. Photochem Photobiol 12:49-55, Jul 70

Changes in the RNA of cellular nuclei during wound tissue regeneration. Williamson MB, et al. Proc Soc Exp Biol Med 136:1336-9, Apr 71

Effect of hypophysectomy and conditioned avoidance behavior on macromolecule metabolism in the brain stem of the rat. Gispen WH, et al. Progr Brain Res 32:236-44, 1970

Uptake of nonviral nucleic acids by mammalian cells. Bhargava PM, et al. Progr Nucleic Acid Res Mol Biol 11:103-92, 1971 (508 ref.)

Alterations in the ribonucleic acids on digestion of liver microsomes with pancreatic ribonuclease. Ganguli PK. Rev Can Biol 29:19-34, Mar 70

Increasing the multiplicity of ribosomal RNA genes in Drosophila melanogaster. Tartof KD. Science 171:294-7, 22 Jan 71

Methylation of nucleic acids and urinary excretion of 14 C-labeled 7-methylguanine by rats and man after administration of 4(5)-(3,3-dimethyl-1-triazeno)-imidazole5(4)-carboxomide. Skibba JL, et al. Toxicol Appl Pharmacol 18:707-19, Mar 71

Ultrastructural organization and RNA labelling of hepatic ribosomes in rats fed on diets deficient in essential amino acids. Stenram U. Virchows Arch [Zellpathol] 8:124-32, 1971

[Redundancy of ribosomal cistrons in the animal genome] Wegnez M. Arch Int Physiol Biochim 78:381-91, Apr 70 (Fre)

[Modification of nucleic acid metabolism in rat pituitary during sexual maturation and by castration] Valotaire Y, et al. Biochim Biophys Acta 224:63-73, 12 Nov 70 (Fre)

[Changes in brain RNA metabolism during audiogenic crisis in mice] Di Carlo R, et al. J Physiol (Paris) 62:Suppl 2:271, 1970 (Fre)

[Preliminary research on variations in the level of cerebral RNA following reticular stimulation in the rat] Schmaltz G, et al. J Physiol (Paris) 1:Suppl 1:174, 1969 (Fre)

[Influence of prolactin and progesterone on nucleic acid metabolism in the prostate, vesicular gland and ductus deferens of juvenile hypophysectomized rats and orchidectomized rats] Berswordt-Wallrabe R vo, et al. Acta Endocrinol [Suppl] (Kbh) 152:7, 1971 (Ger)

[Histochemical studies on the glycogen and RNA content of bovine liver in various physiological states and in disease] Nikov SI. Arch Exp Veterinaermed 24:927-33, 1970 (Ger)

[Histophotometric determination of cytoplasmic RNA concentration in the internal ear of guinea pig after administration of streptomycin] Kraus H, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:306-7, 1970 (Ger)

[P32-labelling of nucleic acids and the role of phosphate in the nucleic acid metabolism of Euglena

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

greacilis] Spiess E, et al.
Arch Mikrobiol 78:118-27, 1971 (Ger)
[Thioacetamide induced changes in rat liver RNA content] Kullmann R, et al.
Beitr Pathol 143:1-13, Apr 71 (Ger)
[Nucleic acids in rat brain. II. Metabolism of individual RNA-fractions] Kanig K, et al.
Hoppe Seylers Z Physiol Chem 352:977-83, Jul 71 (Ger)
[Termination of protein synthesis] Trüger L.
Naturwissenschaften 57:560-4, Dec 70 (Ger)
[In vivo reaction of urethane and methylcarbamate with liver RNA] Schnieders B, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:443-4, 1970 (Ger)
[DNA, RNA and protein content of the small intestine in rats depending on age] Heilthaler G, et al.
Z Alternsforsch 23:139-44, 1970 (Ger)
[On the metabolic regulation in eucaryotes: the ribonucleic acid-ribonuclease system in Saccharomyces cerevisiae] Stärk GF, et al.
Z Naturforsch [B] 26:328-36, Apr 71 (Ger)
[Effect of methotrexate on DNA synthesis in human lymphocytes stimulated with phytohemagglutinin] Benzio G, et al.
Boll Soc Ital Biol Sper 46:167-70, 28 Feb 70 (Ita)
[Nucleic acid content of subcellular fractions during chick embryo development] Casti A, et al.
Boll Soc Ital Biol Sper 46:442-4, 30 Apr 70 (Ita)
[Effect of triiodothyronine (T3) on the formation of DNA-RNA hybrids] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:921-4, 30 Nov 70 (Ita)
[Competition studies with preparations of nuclear RNA of the livers of normal rats and rats treated with triiodothyronine] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:925-8, 30 Nov 70 (Ita)
[Biochemical studies of cerebral edema--with special reference to the dynamic metabolism of proteins and nucleic acids] Nakazawa S.
Brain Nerve (Tokyo) 23:669-78, Jun 71 (Jap)
[Relation of EPR signals of liver RNA to liver function] Naktinis II, et al. Biofizika 16:728-30, Jul-Aug 71 (Rus)
[RNA in human leukocytes] Blinov MN, et al.
Biokhimiia 35:740-5, Jul-Aug 70 (Rus)
[Effect of synthetic growth retardants and coumarin on the synthesis and decomposition of RNA and protein in cut leaves in the process of aging] Knipl IaS, et al.
Biokhimiia 35:1219-29, Nov-Dec 70 (Rus)
[Patterns in translation errors in vitro and in vivo] Mednikov BM, et al.
Biokhimiia 35:216-23, Mar-Apr 70 (Rus)
[Breakdown of spleen ribosomal RNA during immunogenesis] Stanchev BD.
Biokhimiia 35:420-3, May-Jun 70 (Rus)
[The cytochemistry of herpetic infections of human embryo fibroblast cultures] Bikbulatov RM, et al.
Biull Eksp Biol Med 69:110-3, Jun 70 (Rus)
[Microspectrophotometric analysis of cytoplasmic ribonucleoproteins of vegetative neurons in disturbed hormonal regulation] Denisov-Nikol'skii I.
Biull Eksp Biol Med 70:107-9, Jul 70 (Rus)
[Histochemical findings on the effects of actinomycin 2703 on the RNA metabolism of spinal motor neurons under conditions of increased functioning] Gefnisman IuIa, et al. Biull Eksp Biol Med 66:104-7, 1968 (Rus)
[Diurnal RNA and glycogen rhythms in fasting animals] Gubin GD, et al.
Biull Eksp Biol Med 65:94-6, May 68 (Rus)
[Effect of partial hepatectomy on the content of DNA, RNA and protein in the liver of rabbits with thyroidin toxicosis] Panachin EF, et al.
Biull Eksp Biol Med 72:33-6, Jul 71 (Rus)
[The distribution and concentration of nucleic acids and proteins in the structural elements of the rabbit eye following aminazin administration] Romashenkov FA, et al. Biull Eksp Biol Med 65:84-7, May 68 (Rus)
[Cytochemical features of the ribonucleoproteins and deoxyribonucleoprotein complexes in the nucleoli of cultivated primate reticular cells] Shabadash AL, et al. Biull Eksp Biol Med 69:107-10, Apr 70 (Rus)
[Histochemical study of the correlation between the activity of certain enzymes and the inclusion of labelled precursors into the RNA and proteins of neurons in the brain of white rats] Gol'dgefter LI, et al. Dokl Akad Nauk SSSR 186:945-7, Jun 69 (Rus)
[Relation of neurosecretory activity and H3-uridine inclusion in nerve cell RNA] Golubitsa AN, et al. Dokl Akad Nauk SSSR 195:1439-40, 1970 (Rus)
[Cytophotometric and radioautographic study of RNA synthesis in cultures of leukemia cells sensitive or resistant to Coxsackie B3 virus] Khesin IaE, et al. Dokl Akad Nauk SSSR 190:1218-21, 11 Feb 70 (Rus)
[Correlation of accumulation of certain fractions of inorganic polyphosphates and RNA in Neurospora crassa Ad 28-610] Kritskiĭ MS, et al.
Dokl Akad Nauk SSSR 192:1166-9, 1970 (Rus)
[Decomposition of nuclear RNA in the spleen during the inductive phase of immunogenesis] Stanchev BD. Dokl Akad Nauk SSSR 196:1228-30, 11 Feb 71 (Rus)
[RNA content of the spinal cord motor neurons during hypokinesis] Gorbunova AV.
Tsitologiia 13:83-7, Jan 71 (Rus)
[Effect of sound stimulation on the level and nucleotide composition of neuronal RNA from the Deiters' vestibular nucleus of the brain of rats from 2 lines] Maksimovskiĭ LF.
Tsitologiia 12:887-93, Jul 70 (Rus)
[Migration of newly synthesized RNA during mitosis. I. Loach embryonic cells] Neffakh AA, et al.
Tsitologiia 13:231-5, Feb 71 (Rus)
[Migration of newly synthesized RNA during mitosis. II. Chinese hamster fibroblasts] Neffakh AA, et al.
Tsitologiia 13:491-8, Apr 71 (Rus)
[Changes in the concentrations of proteins and amino acids in the brains of experimental animals under the influence of schizophrenic patient serum (a histochemical and cytophotometric study)] Iakobson IS. Zh Nevropatol Psikhiatr 70:1833-7, 1970 (Rus)
[A physiologic and morphologic study of the effect of actinomycin D on the genesis of audiogenic epileptic seizures in rats] Karasik GI, et al.
Zh Vyssh Nerv Deiat 21:184-90, Jan-Feb 71 (Rus)
[Effect of desoxycorticosterone acetate on RNA and DNA in the brain and liver tissue in rabbits] Khmel'ko AG. Fiziol Zh 16:408-10, May-Jun 70 (Ukr)
[Interrelation of the secretory process and nucleic metabolism in the mucous membrane of the stomach] Svistun TI. Fiziol Zh 16:274-80, Mar-Apr 70 (Ukr)
[Changes in the content of RNA, DNA and protein in leaf chloroplasts of Stramonium when affected by different strains of the potato X-virus] Moskovets SN, et al. Mikrobiol Zh 33:60-4, 1971 (Ukr)
[Restoration of ribonucleic acids in the rat brain under emotional stress] Bozhko GKh.
Ukr Biokhim Zh 42:590-5, 1970 (Ukr)
[Effect of exogenous cortisol on RNA content in the mitochondria and ribonuclease in organs of white rats] Germaniuk IaL, et al.
Ukr Biokhim Zh 43:234-8, Mar-Apr 71 (Ukr)
[Transfer of nuclear DNA-like RNA into the cytoplasm in process of liver regeneration and chemically induced liver neoplasm] Platonov OM, et al.
Ukr Biokhim Zh 42:16-9, 1970 (Ukr)

PHARMACODYNAMICS

The effect of "exogenous" RNA on the improvement of syngeneic tumor immunity. Rigby PG.
Cancer Res 31:4-6, Jan 71
Effect of RNA from estradiol-treated immature rats on protein synthesis in immature uteri. Fenci MM, et al.
Endocrinology 88:279-85, Feb 71
Causal analysis of embryonic differentiation. I. Responsiveness of presumptive ectoderm as a regulating factor in RNA function. Niu MC, et al.
Exp Cell Res 64:57-64, Jan 71
Causal analysis of embryonic differentiation. II. Dual function of exogenous RNA in differentiation of presumptive ectoderm. Niu MC, et al.
Exp Cell Res 64:65-76, Jan 71
The effects of intracerebrally administered RNA, tubercidin and histones on learning in rats. Gál EM, et al. Experientia 27:71-3, 15 Jan 71
The influence of ribonucleic acid & some of its structural constituents on metal toxicities in Corcyra cephalonica St. Adiga PR, et al.
Indian J Biochem 7:130-2, Jun 70
The role of exogenous heart-RNA in development of the chick embryo cultivated in vitro. Niu MC, et al.
J Embryol Exp Morphol 24:33-42, Aug 70
The diminution of 59 Fe incorporation into red cells: an effect of abscess and 'exogenous' RNA in vivo. Rigby PG, et al. J Med (Basel) 2:60-4, 1971
Virus interference by cellular double-stranded ribonucleic acid. Kimball PC, et al.
J Virol 7:697-706, Jun 71
Induction of antiviral resistance and interferon production in animal cell culture by exogenous RNA. Kawade Y. Jap J Med Sci Biol 24:130-1, Apr 71
Transfer agent of immunity. V. Antibody formation of cultured macrophages treated with an immune ribonucleic acid preparation. Osawa N, et al.
Jap J Microbiol 15:29-37, Jan 71
Effect of calcium, phosphate and RNA on the release of catecholamines, ATP and protein from isolated adrenal medullary granules. Lishajko F.
Life Sci [I] 9:695-9, 15 Jun 70
Effect of normal tissue ribonucleic acid on a murine leukemic transplant. Colmerauer ME, et al.
Medicina (B Aires) 30:447-50, Sep-Oct 70
Endotoxin and double stranded RNA render macrophages cytotoxic. Alexander P, et al.
Nature [New Biol] 232:76-8, 21 Jul 71
Transfer of immunity to tumour isografts by the systemic administration of xenogeneic "immune" RNA. Deckers PJ, et al.
Nature [New Biol] 231:181-3, 9 Jun 71
Double stranded RNA from rat liver induces interferon in rat cells. De Maeyer E, et al.
Nature [New Biol] 229:109-10, 27 Jan 71
Are neurophysiological disturbances caused by premature weaning in rats reversible? Novákova V.
Physiol Bohemoslov 19:477-82, 1970
Late effects of RNA on higher nervous activity and the total content of RNA in neurons in the rats. Novákova V, et al. Physiol Bohemoslov 19:469-76, 1970
Graft versus host reactivity of chicken lymphocytes, altered by homologous ribonucleic acid. Sharon R, et al. Poult Sci 49:1545-8, Nov 70
The inability of RNA from lymph node cells from immunized strain 2 animals to confer immune competence to strain 13 lymph node cells in the DNP-PLL immune system. Bluestein HG, et al.
Proc Soc Exp Biol Med 135:146-50, Oct 70
Effect of synthetic double-stranded RNA on serum metals in the rat, rabbit, and monkey. Pekarek RS.
Proc Soc Exp Biol Med 136:584-7, Feb 71
Eression of allelic immunoglobulin in homozygous rabbits injected with RNA extract. Bell C, et al.
Science 171:199-201, 15 Jan 71
Immunological enhancement of murine tumor isografts mediated by RNA from lymphoid organs of xenogeneic immunized animals. Pilch YH, et al.
Transplantation 11:10-9, Jan 71
[Effects of various ribonucleic acids (RNA) on the activity of deoxyribonucleic acid polymerase (DNA-polymerase) associated with an oncogenic ribovirus] Beaudreau GS, et al.
C R Acad Sci [D] (Paris) 271:1728-31, 9 Nov 70 (Fre)
[Late effects of the administration of ribonucleic acid on the electroencepahlogram in rats] (Fre)the electroencephalogram in rats] Sterc J, et al.
J Physiol (Paris) 62:Suppl 3:451-2, 1970 (Fre)
[Action in vitro of phytohemagglutinin and RNA on cells of human fatty livers] Marzani PC.
Boll Soc Ital Biol Sper 45:1235-6, 15 Oct 69 (Ita)
[Effect of various hyperuriceming substances on liver xanthine oxidase in normal subjects] Marinello E, et al. Reumatismo 21:310-1, Sep-Oct 69 (Ita)
[Role of ribonucleic acids in regulation of the growth of tissues and organs] Alekseev AB.
Biull Eksp Biol Med 68:79-81, Oct 69 (Rus)
[Effect of a preparation of exogenous homologous RNA and hydrocortisone on the level of collagen and glucosaminoglycans in rat bone regenerate preparation] Babichuk GA, et al.
Biull Eksp Biol Med 68:82-5, Oct 69 (Rus)
[Specific action of immune RNA in 2 different cellular systems] Liashenko VA, et al.
Biull Eksp Biol Med 70:67-70, Jul 70 (Rus)
[Intercellular information transfer in the process of immunogenesis. II. Antibody formation in the progeny of lymphosarcoma cells treated with spleen RNA from immunized rats and mice] Aksenova NN, et al. Tsitologiia 12:1315-21, Oct 70 (Rus)
[Intercellular exchange of information during immunogenesis. I. Effect of RNA from the spleen of immunized rats on rat lymphosarcoma cells] Tsikarishvili TN, et al.
Tsitologiia 11:389-92, 1969 (Rus)
[Effect of exogenous RNA on liver tryptophan pyrrolase] Chernukh AM, et al.
Vopr Med Khim 17:184-8, Mar-Apr 71 (Rus)
[Participation of ribonucleic acids in the system regulating organ growth] Alekseev AB, et al.
Zh Obshch Biol 30:459-69, Jul-Aug 69 (Rus)
[Influence of ribonucleic acid on electrical activity in the cerebral cortex of the rabbit] Bratus' NV, et al.
Fiziol Zh 17:167-74, Mar-Apr 71 (Ukr)
[Induction of primary and secondary response by means of macrophage RNA in lymphocyte culture in vivo] Morgunov IM, et al.
Fiziol Zh 16:496-500, Jul-Aug 70 (Ukr)
[Effect of RNA on the content and restoration of ATF in liver in radiation injury] Sopin EF, et al.
Ukr Biokhim Zh 42:31-4, 1970 (Ukr)

PHYSIOLOGY

Quantitative versus qualitative RNA and protein changes in the brain during behavior. Galto J, et al.
Psychol Bull 75:109-27, Feb 71

RADIATION EFFECTS

In vitro labeling of polynucleotides by photoreduction. Lee VF, et al.
Biochim Biophys Acta 238:174-9, 13 May 71
Mechanism of skin photosensitization by forucoumarins. Photoreactivity of various furocoumarins with native DNA and with ribosomal RNA. Rodighiero G, et al.
Biochim Biophys Acta 217:40-9, 17 Sep 70
Raman spectral studies of nucleic acids. 3. Laser-excited spectra of ribosomal RNA. Thomas GJ Jr. Biochim Biophys Acta 213:417-23, 8 Aug 70
RNA synthesis and uridine pools in normal and BUdR-containing human kidney T-cells after U.V.-irradiation. Scaife JF.
Int J Radiat Biol 18:189-92, 1970
Inhibition of ribosomal RNA synthesis in x-irradiated HeLa cells. Bases R, et al. Radiat Res 44:456-77, Nov 70

THERAPEUTIC USE

Suppression of antibodies to nucleic acids with polyinosinic-polycytidylic acid and cyclophosphamide in murine lupus. Steinberg AD, et al.
Clin Exp Immunol 7:687-91, Nov 70
Effects of Friend disease of double-stranded RNA of fungal origin. Pilch DJ, et al.
J Gen Virol 10:155-62, Feb 71
Herpes simplex encephalitis: virologic and serologic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

study of a patient treated with an interferon inducer.
Bellanti JA, et al. J Pediatr 78:136-45, Jan 71
[Preliminary note on the therapeutic use of a pancreatic RNA in certain diabetics] Uzan M, et al.
Diabete Suppl:115-6, 28 Sep 68 (Fre)
[Effect of liver RNA on the course of experimental liver cirrhosis] Chernukh AM, et al.
Biull Eksp Biol Med 70:12-5, Oct 70 (Rus)
[Effect of ribonucleotide replacement therapy in certain diseases] Fuks BB, et al.
Biull Eksp Biol Med 68:23-6, Sep 69 (Rus)
[Effect of exogenous ribonucleic acid isolated from bones and embryonal tissues on the growth of sarcoma M-1] Pankov Ela, et al.
Biull Eksp Biol Med 70:73-5, Sep 70 (Rus)
[Antiviral action of yeast RNA derivatives alone and in combination with polycations] Aksenov OA, et al.
Vestn Akad Med Nauk SSSR 25:51-8, 1970 (Rus)
[Effect of synthetic interferon-inducers on malignant tumors and viral oncogenesis]
Vopr Virusol 15:247-9, Mar-Apr 70 (30 ref.) (Rus)
[An increase in anti-infectious resistance in mice by using heterologous RNA] Zemskov VM.
Zh Mikrobiol Epidemiol Immunobiol 47:33-7, Feb 70 (Rus)

TOXICITY

The toxicity in rodents of double-stranded RNA.
Leonard BJ, et al. J Pathol 103:pxi, Feb 71

RNA, BACTERIAL (D10)

Pulse-RNA-DNA hybridization between rodshaped and coccal species of the Moraxella-Neisseria groups.
Bovre K.
Acta Pathol Microbiol Scand [B] 78:565-74, 1970
Adsorption of ribonucleic acid on Bentonite. Blanton MV, et al. Anal Biochem 32:150-4, 15 Oct 69
An attempt to localize 5S RNA cistrons in Escherichia coli. Jarry B, et al.
Biochem Biophys Res Commun 41:789-96, 9 Nov 70
Effects of dimethyl sulfoxide on the degradation of ribonucleic acid catalyzed by alkali. Bartolomé J, et al.
Biochemistry 9:4509-13, 10 Nov 70
Structural properties of 5-fluorouracil-containing transfer ribonucleic acids from Escherichia coli. Kaiser II. Biochemistry 10:1540-5, 27 Apr 71
Transfer ribonucleic acid deficient in N6-(delta 2-isopentenyl)adenosine due to mevalonic acid limitation. Litwack MD, et al.
Biochemistry 10:994-1001, 16 Mar 71
Nuclease action on Escherichia coli ribosomes and its application to sequence studies on ribosomal ribonucleic acid. Santer M, et al.
Biochemistry 10:1841-6, 11 May 71
Streptococcal nucleases. 3. Kinetics of action and inhibition by transfer ribonucleic acid. Yasmineh WG, et al. Biochemistry 7:91-7, Jan 68
Iodine modification of E. coli tRNA Phe : reversible modification of 2-methylthio-N 6 -isopentenyladenosine and lack of disulfide formation. Faulkner RD, et al.
Biochim Biophys Acta 238:464-74, 27 May 71
Partial nuclease digestion of transfer ribonucleic acids and aminoacylated transfer ribonucleic acids. Hänggi UJ, et al. Eur J Biochem 18:496-502, Feb 71
Asymmetric template function of microbial deoxyribonucleic acids: transcription of ribosomal and soluble ribonucleic acids. Margulies L, et al.
J Bacteriol 103:560-8, Sep 70
Gene dosage for 5S ribosomal ribonucleic acid in Escherichia coli ad Bacillus megaterium. Pace B, et al.
J Bacteriol 105:142-9, Jan 71
Homology of ribosomal ribonucleic acid of Desulfovibrio species with Desulfovibrio vulgaris. Pace B, et al. J Bacteriol 106:717-9, Jun 71
Physical linkage between 5 s, 16 s and 23 s ribosomal RNA genes in Bacillus subtilis. Colli W, et al.
J Mol Biol 56:117-27, 28 Feb 71
Clustered genes for ribosomal ribonucleic acids in Escherichia coli. Spadari S, et al.
J Mol Biol 53:357-67, 14 Nov 70
Ribosomal proteins and the conformation of ribosomal ribonucleic acid. Sypherd PS.
J Mol Biol 56:311-8, 14 Mar 71
Secondary structure of 5 S ribosomal RNA. Lapidus IR, et al. J Theor Biol 27:417-23, Jun 70
Chemical and genetic analysis of 16S ribosomal RNA in Escherichia coli. Muto A, et al.
Mol Gen Genet 111:15-21, 1971
Molecular interactions of ribosomal components. I. Identification of RNA binding sites for individual 30S ribosomal proteins. Schaup HW, et al.
Mol Gen Genet 109:193-205, 1970
Reconstitution of 50S ribosomal subunits from dissociated molecular components. Nomura M, et al.
Nature (Lond) 228:744-8, 21 Nov 70
[Transforming RNA bearers of hereditary characters in showdomycino-resistant Escherichia coli]
Beljanski M, et al.
C R Acad Sci [D] (Paris) 272:2107-10, 19 Apr 71 (Fre)
[Stability of polynucleotide chains of ribosomal RNA]
Mikhailova IIu, et al.
Dokl Akad Nauk SSSR 184:232-4, Jan 69 (Rus)

ANALYSIS

Quantitative aspects of the electrophoresis of RNA in polyacrylamide gels. Richards EG, et al.
Anal Biochem 40:43-71, Mar 71
Absence of thiolated nucleotides in ribosomal RNA of E. coli. Champney WS, et al.
Biochem Biophys Res Commun 41:1328-34, 9 Dec 70
Thiolated bases in ribosomal RNA of E. coli. Cotter RI, et al.
Biochem Biophys Res Commun 39:766-73, 22 May 70
The occurrence of polyadenylate sequences in bacteria and yeast. Edmonds M, et al.
Biochem Biophys Res Commun 41:1531-7, 24 Dec 70
Separation of Escherichia coli ribosomal ribonucleic acids by reversed-phase chromatography. Egan BZ, et al. Biochemistry 10:1890-4, 11 May 71
Circular dichroism of Escherichia coli ribosomes: effect of heating and metal ions. Adler AJ, et al.
Biochim Biophys Acta 213:424-36, 8 Aug 70
Phosphorolysis of the tRNA. Conformations of specific tRNAs and effect of the localized regions on the stability of the structure. Beltchev B, et al.
Eur J Biochem 19:194-9, 11 Mar 71
Temperature-jump relaxation studies on transfer ribonucleic acids. Valine and tyrosine-specific tRNAs from Escherichia coli. Dourlent M, et al.
Eur J Biochem 19:108-14, 1 Mar 71
Enzymic purification of a hybrid between ribosomal ribonucleic acid and deoxyribonucleic acid. Spadari S, et al. Eur J Biochem 19:294-300, 11 Mar 71
Phosphorolysis of tRNA. Multiple conformational states of the tRNA in solution. Thang MN, et al.
Eur J Biochem 19:184-93, 11 Mar 71
Deoxyribonucleic acid base composition of Rothia dentocariosa as determined by thermal denaturation.
Hammond BF. J Bacteriol 104:1024-6, Nov 70
Methylated bases of Bacillus megaterium KM nucleic acids: comparison with Escherichia coli. Wachsman JT, et al. J Bacteriol 104:814-8, Nov 70
A new crystal form of formylmethionine transfer RNA from Escherichia coli. Morikawa K, et al.
J Biochem (Tokyo) 69:239-41, Jan 71
Nucleotide sequence of Pseudomonas fluorescens 5 S ribonucleic acid. DuBuy B, et al.
J Biol Chem 246:747-61, 10 Feb 71
Isolation of mutants of Escherichia coli lac king 5-methyluracil in transfer ribonucleic acid or 1-methylguanine in ribosomal RNA. Björk GR, et al.
J Mol Biol 51:83-100, 14 Jul 70
Studies of 16 and 23 S ribosomal RNA of Escherichia coli using composite gel electrophoresis. Dahlberg AE, et al. J Mol Biol 55:61-74, 14 Jan 71
Studies on 5 s RNA conformation by partial ribonuclease hydrolysis. Jordan BR.
J Mol Biol 55:423-39, 14 Feb 71
No new interactions. Nature (Lond) 229:12, 1 Jan 71
Sequence of 6S RNA of E. coli. Brownlee GG.
Nature [New Biol] 229:147-9, 3 Feb 71
Sequence studies on precursor 16S ribosomal RNA of Escherichia coli. Brownlee GG, et al.
Nature [New Biol] 232:50-2, 14 Jul 71
Additional nucleotide sequences in precursor 16S ribosomal RNA from Escherichia coli. Hayes F, et al.
Nature [New Biol] 232:54-5, 14 Jul 71
Structural differences between the 16S ribosomal RNA of E. coli and its precursor. Lowry CV, et al.
Nature [New Biol] 232:52-4, 14 Jul 71
Primary structural relationship of p16 to m16 ribosomal RNA. Sogin M, et al.
Nature [New Biol] 232:48-9, 14 Jul 71
Identification of the cytokinin-active ribonucleosides in pure Escherichia coli tRNA species. Bartz J, et al.
Proc Natl Acad Sci USA 67:1448-53, Nov 70
Drastic alteration of ribosomal RNA and ribosomal proteins in showdomycin-resistant Escherichia coli.
Beljanski M, et al.
Proc Natl Acad Sci USA 68:491-5, Feb 71
The folded genome of Escherichia coli isolated in a protein-DNA-RNA complex. Stonington OG, et al.
Proc Natl Acad Sci USA 68:6-9, Jan 71
[Characterization of RNA 5S accumulated by a strain of Escherichia coli (RC relaxed) deficient in amino acids] Feunteun J, et al.
Bull Soc Chim Biol (Paris) 5:979-82, 1970 (Fre)
[Properties of ribosomas and RNA synthesized by Escherichia coli cultivated in the presence of ethionine. 2. In vitro methylation of ribosome ethionine] Beaud G, et al.
Eur J Biochem 20:525-34, 29 Jun 71 (Fre)
[Properties of ribosomes and RNA synthesized by Escherichia coli cultivated in the presence of ethionine. 1. Interactions between the ribosomal subunits 30 S and 50 S synthesized in the presence of ethionine] Beaud G, et al.
Eur J Biochem 19:323-39, Apr 71 (Fre)
[Electrophoresis of ribosomes and ribosomal RNA in polyacrylamide gel] Mikhailova IIu, et al.
Biokhimiia 35:403-8, May-Jun 70 (Rus)
[Nucleotide composition of nucleic acids and nucleodepolymerase specificity in microorganisms]
Beliaeva MI, et al.
Mikrobiologiia 38:980-3, Nov-Dec 69 (Rus)
[Nucleic acid content of cells of Acetobacter suboxydans, strain LGU-1] Zhdan-Pushkina SM, et al.
Mikrobiologiia 38:975-9, Nov-Dec 69 (Rus)

BIOSYNTHESIS

The effect of x-rays on the salt stimulation of DNA-dependent RNA synthesis in vitro. Sümegi J, et al. Acta Biochim Biophys Acad Sci Hung 5:273-7, 1970
Flow of ribosomal precursor RNA along different structural sites during chloramphenicol treatment of E. coli. Venker P, et al.
Acta Biol Med Ger 24:K 41-5, 1970
Influence of Na+ on synthesis of macromolecules by a marine bacterium. Webb CD, et al.
Appl Microbiol 21:1060-8, Jun 71
RNA synthesis on native DNA complexes isolated from Streptomyces griseus and Escherichia coli. Szeszák F, et al. Arch Mikrobiol 73:368-78, 1970
35S incorporation into bacterial RNA. Elliciri GL.
Biochem Biophys Res Commun 42:784-8, 5 Mar 71
Evidence for the polycistronic transcription of ribosomal RNA in Escherichia coli. Jacobson LA.
Biochem Biophys Res Commun 43:372-7, 16 Apr 71
Changes in polyribosome metabolism in Escherichia coli K12 after adsorption of colicin E3 to sensitive cells. Senior BW, et al. Biochem J 118:30P, Jun 70
Nucleic acid synthesis and nucleotide pools in purine-deficient Escherichia coli. Thomas GA, et al.
Biochem J 120:117-24, Nov 70
Synthesis of ribonucleic acid in purine-deficient Escherichia coli and a comparison with the effects of amino acid starvation. Varney NF, et al.
Biochem J 120:125-32, Nov 70
Inhibition of peptide-chain initiation in Escherichia coli by hydroxylamine and effects on ribonucleic acid synthesis. Klein A, et al.
Biochemistry 9:4542-9, 10 Nov 70
The synthesis of rapidly labelled RNA in a beta-galactosidase constitutive mutant of Escherichia coli. Edwards JG, et al.
Biochim Biophys Acta 213:469-77, 8 Aug 70
Nucleic acid and ribosome synthesis by Escherichia coli incubated in 5',5',5'-trifluoroleucine. Fenster ED.
Biochim Biophys Acta 228:701-18, 11 Feb 71
Control of stable-RNA synthesis and maturation of 5-S RNA in Salmonella typhimurium RC-str and RC-rel.
Raué HA, et al.
Biochim Biophys Acta 232:314-23, 11 Mar 71
Messenger RNA accumulation in Escherichia coli during chloramphen- icol treatment. Sells BH, et al.
Biochim Biophys Acta 232:421-5, 11 Mar 71
Temperature-sensitive mutation. V. Infection of ts-mutant of RNA phage R17 and host cell metabolism.
Igarashi SJ, et al. Can J Biochem 48:47-54, Jan 70
Effect of infection with R23 on DNA and RNA synthesis in Escherichia coli. Watanabe H, et al.
Can J Microbiol 17:461-6, Apr 71
Comparative biology of five RNA phages, R23, f2, Q beta, R34, and R40. Watanabe H, et al.
Can J Microbiol 16:859-64, Sep 70
Polysome breakdown and the synthesis of ribonucleic acid in stringent and relaxed Escherichia coli cells starved for amino acids. Kaplan R, et al.
Eur J Biochem 21:60-7, 15 Jul 71
Mechanism of action of bioseimycin. Misra TK, et al.
Experientia 27:642-4, Jun 71
Regulation of ribonucleic acid synthesis by histidine and methionine during recovery of Escherichia coli from magnesium starvation. Cleaves GR, et al.
J Bacteriol 103:697-701, Sep 70
Survival and macromolecular synthesis during incubation of Escherichia coli in limiting thymine.
Deutsch CE, et al. J Bacteriol 106:197-203, Apr 71
Effect of trimethoprim on macromolecular synthesis in Escherichia coli. Miovic M, et al.
J Bacteriol 106:856-62, Jun 71
Synthesis of protein and nucleic acid by disrupted spheroplasts of Pseudomonas schuylkilliensis. Mizuno S, et al. J Bacteriol 105:538-52, Feb 71
Ribonucleic acid synthesis during microcyst formation in Myxococcus xanthus: characterization by deoxyribonucleic acid-ribonucleic acid hybridization.
Okano P, et al. J Bacteriol 104:275-82, Oct 70
Biosynthesis during recovery of heat-injured Salmonella typhimurium. Pierson MD, et al.
J Bacteriol 105:1234-6, Mar 71
Rifampicin inhibition of ribonucleic acid and protein synthesis in normal and ethylenediaminetetraacetic acid-treated Escherichia coli. Reid P, et al.
J Bacteriol 104:376-89, Oct 70
Synthesis of ribonucleic acid and protein in plasmid-containing minicells of Escherichia coli K-12.
Roozen KJ, et al. J Bacteriol 107:21-33, Jul 71
Balanced macromolecular biosynthesis in "protoplasts" of Streptococcus faecalis. Roth GS, et al. J Bacteriol 105:710-7, Mar 71
Synthetic capabilities of plasmolyzed cells and spheroplasts of Escherichia coli. Rubenstein KE, et al.
J Bacteriol 104:443-52, Oct 70
Agrobacterium tumefaciens ribonucleic acid synthesis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in tomato cells and crown gall induction. Stroun M, et al. J Bacteriol 106:634-9, May 71
Requirements of Salmonella typhimurium for recovery from thermal injury. Tomlins RI, et al. J Bacteriol 105:512-8, Feb 71
Selenomethionine, a methyl donor for bacterial nucleic acids. Wu M, et al. J Bacteriol 105:1222-3, Mar 71
Division cycle of Myxococcus xanthus. II. Kinetics of stable and unstable ribonucleic acid synthesis. Zusman D, et al. J Bacteriol 105:801-10, Mar 71
Membrane-bound ribonucleic acid synthesis in Escherichia coli infected with ribonucleic acid bacteriophage R23. Hunt D, et al. J Biol Chem 246:4151-6, 10 Jul 71
The control of ribonucleic acid synthesis during amino acid deprivation in Escherichia coli. Lazzarini RA, et al. J Biol Chem 246:420-9, 25 Jan 71
Regulation of lac transcription in Escherichia coli by cyclic adenosine 3',5'-monophosphate. Studies with deoxyribonucleic acid-ribonucleic acid hybridization and hybridization competition. Varmus HE, et al. J Biol Chem 245:6366-72, 10 Dec 70
A consequence of the rel gene during a glucose to lactate downshift in Escherichia coli. The rates of ribonucleic acid synthesis. Winslow RM. J Biol Chem 246:4872-7, 10 Aug 71
Relationship of the MS nucleotides to the regulation of ribonucleic acid synthesis in Escherichia coli. Wong JT, et al. J Biol Chem 245:4591-3, 10 Sep 70
The accumulation of ribosome precursors during inhibition by cobalt chloride. Biundell MR, et al. J Gen Microbiol 63:xvii, Nov 70
Effects of purine nucleotide concentrations on RNA synthesis in Escherichia coli. Burton K. J Gen Microbiol 63:1-ii, Nov 70
Synthesis of ribosomes in a mutant of Escherichia coli. Mehdi Q, et al. J Gen Microbiol 63:18, Nov 70
Ribosomal RNA synthesis is turned off during sporulation of Bacillus subtilis. Hussey C, et al. J Mol Biol 57:59-70, 14 Apr 71
A low molecular weight ribonucleic acid synthesized by Escherichia coli in the presence of chloramphenicol: characterization and relation to normally synthesized 5 s ribonucleic acid. Jordan BR, et al. J Mol Biol 55:407-21, 14 Feb 71
In vivo assay of protein synthesizing capacity of Escherichia coli from slowly growing chemostat cultures. Koch AL, et al. J Mol Biol 55:549-62, 14 Feb 71
Apparent maturation of Escherichia coli ribosomal RNA in vitro. Yuki A. J Mol Biol 56:435-9, 14 Mar 71
Overall controls on the biosynthesis of ribosomes in growing bacteria. Koch AL. J Theor Biol 28:201-31, Aug 70
Evaluation of the rates of biological processes from tracer kinetic data. 3. The net synthesis lemma and exchangeable pools. Koch AL. J Theor Biol 32:429-50, Sep 71
Nucleic acid synthesis in Bacillus subtilis infected with bacteriophage beta-22. Hemphill HE, et al. J Virol 6:381-92, Oct 70
Inhibition of host protein synthesis during infection of Escherichia coli by bacteriophage T4. II. Induction of host messenger ribonucleic acid and its exclusion from polysomes. Kennell D. J Virol 6:208-17, Aug 70
Chain termination of ribosomal RNA synthesis in vitro. Pettijohn DE, et al. Nature (Lond) 228:235-9, 17 Oct 70
Factor necessary for ribosomal RNA synthesis. Travers AA, et al. Nature (Lond) 228:748-51, 21 Nov 70
Precursors of ribosomal RNA. Nature (Lond) 232:86, 9 Jul 71
Regulation of stable RNA synthesis in Escherichia coli. Dennis PP. Nature [New Biol] 232:43-7, 14 Jul 71
Local unwinding of DNA during RNA synthesis in vitro. Kosaganov IuN, et al. Nature [New Biol] 231:212-4, 16 Jun 71
Localization of a portion of the ribosomal RNA genes in Escherichia coli. Birnbaum LS, et al. Proc Natl Acad Sci USA 68:925-9, May 71
Complementarity of RNA produced by enzymic transcription of native and denatured B. subtilis DNA. Cassuto E, et al. Proc Natl Acad Sci USA 66:197-203, May 70
Cellular site of Escherichia coli ribosomal RNA synthesis. Haywood AM. Proc Natl Acad Sci USA 68:435-9, Feb 71
Reinitiation of RNA synthesis on transcription of chromatin DNA by Escherichia coli RNA polymerase. Morris ME, et al. Proc Natl Acad Sci USA 68:481-5, Feb 71
Formation of RNA in T4 phage-infected bacteria: transcriptional regulation of early enzyme synthesis. Bolund C, et al. Virology 43:390-402, Feb 71
The process of infection with coliphage T7. V. Shutoff of host RNA synthesis by an early phage function. Brunovskis I, et al. Virology 45:224-31, Jul 71
[Specificity of cistrons directing the synthesis of ribosomal RNA in animals, plants and bacteria] Distèche M, et al. Arch Int Physiol Biochim 78:584-6, Aug 70 (Fre)
[Effect of blocking of protein biosynthesis on bacterial radiosensitivity] Mansur E, et al. C R Acad Sci [D] (Paris) 273:250-2, 12 Jul 71 (Fre)
[Coordination of transcription of RNA 5 S and 23S and coordination of maturation of RNA 5S and of the ribosomal subunit 50S of Escherichia coli] Galibert F, et al. Eur J Biochem 20:381-91, 11 Jun 71 (Fre)
[Gene for higher adaptability in bacteria--metabolic regulation by RNA control genes] Sokawa Y. Protein Nucleic Acid Enzyme (Tokyo) 16:32-41, Jan 71 (54 ref.) (Jap)
[Nucleic acids of the thermophilic microorganism Bacillus coagulans grown at different temperatures] Kaliuzhnaia AP, et al. Biokhimiia 35:781-6, Jul-Aug 70 (Rus)
[Functional state of the protein-synthesizing system of E. coli at different phases of cell culture growth] Labzina LIa, et al. Biokhimiia 36:322-8, Mar-Apr 71 (Rus)
[Effect of pyrylium salts on the synthesis of DNA, RNA and proteins in bacterial systems] Gus'kov EP, et al. Dokl Akad Nauk SSSR 194:1214-5, 1970 (Rus)
[Control of stable RNA synthesis. Relation to initiation of informational RNA translation] Shakulov RS. Dokl Akad Nauk SSSR 197:467-9, 11 Mar 71 (Rus)
[Effect of 2,4-dinitrophenol on RNA metabolism in bacterial cells] Shuppe NG. Dokl Akad Nauk SSSR 194:1216-8, 1970 (Rus)
[Nucleic acid content in the cells of Rhizobium leguminosarum strains with high and low activity] Evdokimova GA, et al. Mikrobiologiia 40:227-9, Mar-Apr 71 (Rus)
[Processes of realization of genetic information in human viruses] Gendon IuZ. Vestn Akad Med Nauk SSSR 24:67-79, 1969 (Rus)
[Content of macromolecular compounds in continous cultivation of typhoid bacteria. I. Relation between the rate of cell division and cell content of DNA, RNA and protein] Mel'nikova VA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:62-6, May 71 (Rus)
[RNA and protein synthesis in a non-cellular bacterial system with addition of DNA and DNP of animals] Biok LN, et al. Ukr Biokhim Zh 42:718-22, 1970 (Ukr)

ISOLATION & PURIFICATION

Biosynthesis of ribosomes in E. coli. I. Properties of ribosomal precursor particles and their RNA components. Hayes F, et al. Biochimie 53:369-82, 1971
RNA distribution in Saprospira grandis: the absence of a highly 2'-O-methylated RNA species. Singh H, et al. Can J Biochem 48:1199-207, Nov 70
Isolation of the ribosomal RNA genes of Salmonella typhimurium. Udvardy A, et al. Eur J Biochem 20:513-7, 29 Jun 71
A procedure for gene purification: the purification of the ribosomal RNA genes of Bacillus subtilis as DNA-RNA hybrids. Colli W, et al. J Mol Biol 51:657-69, Aug 70
Identification of a 5 s RNA precursor in exponentially growing Escherichia coli cells. Jordan BR, et al. J Mol Biol 50:605-15, 28 Jun 70
[RNA episome carried by the DNA of wild and showdomycin-resistant Escherichia coli] Beljanski M, et al. C R Acad Sci [D] (Paris) 272:2736-9, 24 May 71 (Fre)

METABOLISM

The control of ribonucleic acid synthesis in bacteria. Steady-state content of messenger ribonucleic acid in Escherichia coli M.R.E. 600. Gray WJ, et al. Biochem J 120:279-88, Nov 70
Inhibition of binding of transfer ribonucleic acid to ribosomes by ribosomal proteins. Sho S, et al. Biochemistry 9:3872-7, 29 Sep 70
Phosphorylation of dephosphorylated tRNA and oligonucleotides by polynucleotide kinase. Hänggi UJ, et al. Biochim Biophys Acta 217:278-93, 15 Oct 70
Effect of secondary structure on the degradation of ribosomal RNA. Rodgers A. Biochim Biophys Acta 217:540-3, 15 Oct 70
Interaction between T7 coliphage denatured DNA and Sarcina lutea RNA. Verly WG, et al. Biochim Biophys Acta 217:192-5, 17 Sep 70
The effect of polyamines on the methylation of Escherichia coli methyl-deficient transfer RNA by their homologous methylases. Young DV, et al. Biochim Biophys Acta 238:447-63, 27 May 71
Cooperative binding of manganese (II) to transfer RNA. Danchin A, et al. Eur J Biochem 16:532-6, Nov 70
Intracellular substrates for endogenous metabolism during long-term starvation of rod and spherical cells of Arthrobacter crystallopoietes. Boylen CW, et al. J Bacteriol 103:578-87, Sep 70
Thermally induced intracellular alteration of ribosomal ribonucleic acid. Rosenthal LJ, et al. J Bacteriol 103:833-5, Sep 70
Precursor ribosomal ribonucleic acid and ribosome accumulation in vivo during the recovery of Salmonella typhimurium from thermal injury. Tomlins RI, et al. J Bacteriol 107:134-42, Jul 71
Binding of 5 S ribosomal ribonucleic acid to the unfolded 50 S ribosomes of Escherichia coli II. Hosokawa K. J Biol Chem 245:5880-7, 25 Nov 70
Effect of calcium ions on synthesis of T5-specific ribonucleic acid. Moyer RW, et al. J Biol Chem 245:5904-13, 25 Nov 70
Ribonucleic acid-permeable mutant of Escherichia coli. Yamamoto M, et al. J Mol Biol 58:103-15, 28 May 71
Specific inactivation of 16S ribosomal RNA induced by colicin E3 in vivo. Bowman CM, et al. Proc Natl Acad Sci USA 68:964-8, May 71

PHARMACODYNAMICS

RNA-dependent DNA polymerase from E. coli: an effect produced by traces of added DNA. Cavalieri LG, et al. Nature (Lond) 232:254-5, 23 Jul 71

RADIATION EFFECTS

Functional inactivation and appearance of breaks in RNA chains caused by gamma irradiation of Escherichia coli ribosomes. Kućan Z, et al. Biophys J 11:237-51, Mar 71

THERAPEUTIC USE

[Action of a new drug, Ducton (Irs 139), on ocular viroses (preliminary note)] Belicard P. Bull Soc Ophtalmol Fr 69:842-4, Sep-Oct 69 (Fre)

RNA, MESSENGER (D10)

DNA-RNA hybridisation of 9S messenger RNA for mouse globin. Williamson R, et al. Biochem Biophys Res Commun 40:740-5, 11 Aug 70
Hybridization with deoxyribonucleic acid of messenger ribonucleic acid for mouse globin. Williamson R, et al. Biochem J 119:60P, Oct 70
Messenger ribonucleoprotein complexes released from rat liver nuclei by ATP. II. Chemical and metabolic properties of the protein moiety of messenger ribonucleoprotein complexes. Ishikawa K, et al. Biochim Biophys Acta 213:505-12, 8 Aug 70
Messenger ribonucleoprotein complexes released from rat liver nuclei by ATP. I. Characterization of the RNA moiety of messenger ribonucleoprotein complexes. Ishikawa K, et al. Biochim Biophys Acta 213:495-504, 8 Aug 70
Reovirus core transcriptase and ethidium bromide: a continuous fluorimetric assay for polynucleotide synthesis based on the secondary structure of mRNA. Kapuler AM. Biochim Biophys Acta 238:363-8, 13 May 71
Preformed messenger of quiescent wheat embryos. Weeks DP, et al. Biochim Biophys Acta 232:671-84, 8 Apr 71
The density of ribosomes bearing messenger RNA in phage-infected and normal bacteria. Fenwick ML. J Cell Sci 8:649-58, May 71
In vitro synthesis of Escherichia coli alkaline phosphatase monomers. Dohan FC Jr, et al. J Mol Biol 58:469-79, 14 Jun 71
Termination of messenger RNA translation in a temperature-sensitive mutant of Escherichia coli. Phillips SL. J Mol Biol 59:461-72, 14 Aug 71
Inactivation and degradation of messenger ribnucleic acid from the lactose operon of Escherichia coli. Schwartz T, et al. J Mol Biol 54:299-311, 14 Dec 70
Proposed detailed structural model for tRNA and its geometric relationship to a messenger. Abraham DJ. J Theor Biol 30:83-91, Jan 71
Transcriptional origin of RNA in a mitochondrial fraction of yeast and its bearing on the problem of sequence homology between mitochondrial and nuclear DNA. Fukuhara H. Mol Gen Genet 107:58-70, 1970
Enzymes: siamese twins. Nature (Lond) 231:353, 11 Jun 71
Mechanism of genetic polarity. Nature (Lond) 231:356, 11 Jun 71
Reiteration and clustering of DNA sequences complementary to histone messenger RNA. Kedes LH, et al. Nature [New Biol] 230:165-9, 7 Apr 71
Possible cytoplasmic precursor of haemoglobin messenger RNA. Maroun LE, et al. Nature [New Biol] 231:270-1, 30 Jun 71
Translation of rabbit haemoglobin messenger RNA by thalassaemic and non-thalassaemic ribosomes. Nienhuis AW, et al. Nature [New Biol] 231:205-8, 16 Jun 71
Untranslated T7 phage mRNA is stabilized in suA host. Summers WC. Nature [New Biol] 230:208, 14 Apr 71
Ribonucleic acid synthesis of vesicular stomatitis virus. 3. Multiple complementary messenger RNA molecules. Huang AS, et al. Virology 42:946-57, Dec 70
Polysomal ribonucleic acid of vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al. Virology 42:958-68, Dec 70
Chain initiation during polypeptide synthesis in cell-free bacterial systems programmed with a plant viral messenger. Initiation with N-acetylated aminoacyl-tRNA on adjacent codons. Verhoef NJ, et al. Virology 45:75-84, Jul 71
Chain initiation during polypeptide synthesis in cell-free bacterial systems programmed with a plant viral messenger. The formation of N-acetylphenylalanylisoleucyl-tRNA on the messenger-ribosome complex. Verhoef NJ, et al. Virology 45:85-90, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Polysomes and messenger RNA of cells of avian viral leukemia] Verger C, et al.
Ann Inst Pasteur (Paris) 119:384-96, Sep 70 (Fre)
[Messenger RNA of hemoglobin] Schapira G.
Bull Soc Chim Biol (Paris) 52:1187-221, 1970 (Fre)

ANALYSIS

Characterization of messenger-like ribonucleic acid from Saccharomyces cerevisiae by the use of chromatography on methylated albumin-kieselguhr. Johnson R. Biochem J 119:699-706, Oct 70
Characterization of the messenger ribonucleoprotein released from reticulocyte polyribosomes by EDTA treatment. Lebleu B, et al.
Eur J Biochem 19:264-9, 11 Mar 71
Differential gene activation in isolated chromosomes. Lezzi M. Int Rev Cytol 29:127-68, 1970 (189 ref.)
Polysomal distribution of late bacteriophage T4 messenger RNA. Adesnik M, et al.
J Mol Biol 54:155-8, 28 Nov 70
Ribonucleoprotein complexes containing messenger ribonucleic acid from rat liver polyribosomes: analysis of conditions of their appearance after diaminoethane tetra-acetic acid treatment of polyribosomes. Leytin VL, et al.
J Mol Biol 51:727-31, Aug 70
Conserved mRNA from the conidia of Neurospora crassa. Bhagwat AS, et al.
Mol Gen Genet 109:142-51, 1970
Cytosine at the 3'-termini of reovirus genome and in vitro mRNA. Banerjee AK, et al.
Nature [New Biol] 232:114-5, 28 Jul 71
Unexpectedly large size of globin messenger ribonucleic acid. Gaskill P, et al.
Proc Natl Acad Sci USA 68:72-5, Jan 71
[Association of rapidly marked RNA with cytoplasmic structures in mouse plasmacytoma] Kempf J, et al.
Eur J Biochem 17:124-33, Nov 70 (Fre)
[Constant proportion of pulse labelled mRNA to ribosomal RNA precursor in the polysomal fraction of Escherichia coli] Grade K, et al.
Eur J Biochem 21:217-25, 29 Jul 71 (Ger)
[Identification of Newcastle disease virus messenger RNA] Zhdanov VM, et al.
Dokl Akad Nauk SSSR 193:211-4, Jul-Aug 70 (Rus)
[Sedimentation analysis of virus-specific informosome-like structures in cell extracts infected with Newcastle disease virus] Kaverin NV, et al.
Vopr Virusol 16:138-43, Mar-Apr 71 (Rus)
[Content of minor nucleotides in messenger RNA in the mammary gland] El'skaia AV.
Ukr Biokhim Zh 42:723-6, 1970 (Ukr)

ANTAGONISTS & INHIBITORS

The effect of diethyl pyrocarbonate on the biological activity of messenger RNA and transfer RNA. Denić M, et al. Acta Chem Scand 24:3753-5, 1970
A theory on mRNA species in nerve cells and their role in brain function and drug action. Becker Y.
Perspect Biol Med 14:659-70, 1971

BIOSYNTHESIS

Effect of muscular dystrophy on the rate of RNA synthesis in chickens. Baieve D, et al.
Arch Biochem Biophys 139:393-400, Aug 70
Translational regulation of T4 messenger RNA metabolism. Guthrie GD.
Biochim Biophys Acta 232:324-37, 11 Mar 71
Coordinate synthesis of ribosomal RNA and messenger for ribosomal proteins. Harney CE, et al.
Biochim Biophys Acta 213:529-31, 8 Aug 70
Messenger RNA accumulation in Escherichia coli during chloramphen- icol treatment. Sells BH, et al.
Biochim Biophys Acta 232:421-5, 11 Mar 71
Control of late messenger RNA synthesis during lambda phage development. Takeda Y.
Biochim Biophys Acta 228:193-201, 1 Jan 71
Transcription and translation mechanisms in a "permeabilized" E. coli system. Ben-Hamida F, et al.
Bull Acad R Med Belg 9:71-80, 1969
RNA synthesis in polyoma virus-infected cells. I. Pattern of formation of polyribosome-associated messenger RNA during productive infection. Cheevers WP, et al. Can J Biochem 48:1104-12, Oct 70
Evidence for the DDT-induced synthesis of messenger ribonucleic acid in Triatoma infestans. Litvak S, et al.
Comp Biochem Physiol 26:45-56, Jul 68
Protein synthesis in the rat liver acinus after injection of actinomycin D: a radioautographic study. Le Bouton AV. Curr Mod Biol 3:353-8, Feb 71
Effects of valine deprivation on the biosynthesis of ribosomal and messenger RNA in a mammalian cell line (L 5178 Y). Tiollais P, et al.
Eur J Biochem 18:35-45, 1 Jan 71
Immunoglobun, protein and nucleic acid synthesis in cultured myeloma cells. Kimmel CB.
Exp Cell Res 65:202-8, Mar 71
Effect of 5-fluorouracil posttreatment on sensitivity to ultraviolet radiation and course of messenger RNA synthesis in Escherichia coli cells. Brozmanová J, et al.
Folia Microbiol (Praha) 16:114-25, 1971
Recombination and transcription in the hisB and paba1 loci of Aspergillus nidulans. Millington-Ward AM.
Genetica 41:557-74, 1970
Regulation of gal messenger ribonucleic acid synthesis in Escherichia coli by 3',5'-cyclic adenosine monophosphate. Miller Z, et al.
J Biol Chem 246:2898-903, 10 May 71
In vitro transcription of the gal operon requires cyclic adenosine monophosphate and cyclic adenosine monophosphate receptor protein. Nisseley SP, et al.
J Biol Chem 246:4671-8, 10 Aug 71
Regulation of lac transcription in Escherichia coli by cyclic adenosine 3',5'-monophosphate. Studies with deoxyribonucleic acid-ribonucleic acid hybridization and hybridization competition. Varmus HE, et al.
J Biol Chem 245:6366-72, 10 Dec 70
The effect of protein synthesis inhibition on the entry of messenger RNA into the cytoplasm of sea urchin embryos. Hogan B, et al. J Cell Biol 49:692-701, Jun 71
The distribution of rapidly hybridizing RNA sequences in heterogeneous nuclear RNA and mRNA from HeLa cells. Darnell JE, et al. J Cell Physiol 76:349-56, Dec 70
Regulation of transcription of lambda bacteriophage operator mutants. Sakakibara Y, et al.
J Child Psychol Psychiatry 12:463-72, Jun 71
Active polysomes in sea urchin eggs and zygotes: evidence for an increase in translatable messenger RNA after fertilization. Denny PC, et al.
J Exp Zool 175:133-40, Oct 70
Chain elongation rate of messenger and polypeptides in slowly growing Escherichia coli. Coffman RL, et al.
J Mol Biol 60:1-19, 28 Aug 71
Fusions of the lac and trp regions of escherichia coli: covalently fused messenger RNA. Eron L, et al.
J Mol Biol 60:203-9, 28 Aug 71
A low molecular weight species of RNA synthesized early after induction of the prophage lambda. Marcaud L, et al. J Mol Biol 57:247-61, 28 Apr 71
Coupling of late transcription to viral replication in bacteriophage T4 development. Riva S, et al.
J Mol Biol 54:85-102, 28 Nov 70
Tryptophan messenger ribonucleic acid elongation rates and steady-state levels of tryptophan operon enzymes under various growth conditions. Rose JK, et al. J Mol Biol 51:541-50, Aug 70
Effects of amino acid starvation on constitutive tryptophan messenger ribonucleic acid synthesis. Stubbs JD, et al. J Mol Biol 51:717-25, Aug 70
Control of synthesis of glucosyl transferase and lysozyme messengers after T4 infection. Young ET 2d, et al. J Mol Biol 51:605-19, Aug 70
Polyribosomes and unstable messenger RNA. II. Some further implications of the tape theory of protein synthesis. Singh UN, et al.
J Theor Biol 30:603-19, Mar 71
Inhibition of host protein synthesis during infection of Escherichia coli by bacteriophage T4. II. Induction of host messenger ribonucleic acid and its exclusion from polysomes. Kennell D. J Virol 6:208-17, Aug 70
Synthesis of messenger ribonucleic acid after bacteriophage T1 infection. Male CJ, et al.
J Virol 6:727-37, Dec 70
Regulation of the lactose operon in vitro. I. Transcription of the lactose operon. Iida Y, et al.
Mol Gen Genet 106:296-306, 1970
Regulation of the lactose operon in vitro. II. Repression of transcription of the lactose operon. Oshima Y, et al.
Mol Gen Genet 106:307-14, 1970
Differential mutation of the beta-galactosidase gene of Escherichia coli. Brock RD. Mutat Res 11:181-6, Feb 71
Effects of actinomycin D on memory and brain RNA synthesis in an appetitive learning task. Daniels D.
Nature (Lond) 231:395-7, 11 Jun 71
Solutions not yet polarized.
Nature (Lond) 228:208, 17 Oct 70
Initiation of reovirus mRNA synthesis in vitro. Banerjee AK, et al.
Nature [New Biol] 230:169-72, 7 Apr 71
Regulation of lac mRNA synthesis in a soluble cell-free system. De Crombrugghe B, et al.
Nature [New Biol] 230:37-40, 10 Mar 71
Apparent differences in transcriptional control in cells productively infected and transformed by SV40. Sauer G. Nature [New Biol] 231:135-8, 2 Jun 71
Turning on the lactose genes.
Nature [New Biol] 230:33, 10 Mar 71
A theory on mRNA species in nerve cells and their role in brain function and drug action. Becker Y.
Perspect Biol Med 14:659-70, 1971
Translational repression in the arginine system of Escherichia coli. McLellan WL, et al.
Proc Natl Acad Sci USA 67:1703-9, Dec 70
Messenger and heterogeneous nuclear RNA in HeLa cells: differential inhibition by cordycepin. Penman S, et al. Proc Natl Acad Sci USA 67:1878-85, Dec 70
Synthesis of vaccinia virus "early" and "late" messenger RNA in vitro with nucleoprotein structures isolated from infected cells. Dahl R, et al.
Virology 42:463-72, Oct 70
Interference with viral messenger RNA and DNA synthesis by superinfection with a heterologous deoxyvirus. Vilaginès R, et al.
Virology 42:1043-53, Dec 70
[Decoupled induction of "lactose" messenger RNA by an anti-inductor agnent of beta-galactosidase] Crépin M, et al.
C R Acad Sci [D] (Paris) 271:940-3, 14 Sep 70 (Fre)
[A DNA complex of membrane lambda fractions in Escherichia coli elaborating lambda messenger RNA in the presence of DNAase] Lévine HJ, et al.
C R Acad Sci [D] (Paris) 271:1589-92, 28 Oct 70 (Fre)
[After effects of interferon] Ershov FI, et al.
Antibiotiki 15:832-6, Sep 70 (Rus)
[Varying metabolic stability of messenger RNA of mitochondria from normal and regenerating liver and transplantable hepatoma] Gaĭtskhoki VS, et al.
Biokhimiia 36:60-6, Jan-Feb 71 (Rus)
[Possibility of localizing in human metaphase chromosomes the messenger RNA synthesized in the G2-period and prophase] Martines TA, et al.
Dokl Akad Nauk SSSR 187:919-21, Aug 69 (Rus)
[Control of stable RNA synthesis. Relation to initiation of informational RNA translation] Shakulov RS.
Dokl Akad Nauk SSSR 197:467-9, 11 Mar 71 (Rus)

ISOLATION & PURIFICATION

The isolation and properties of large amounts of messenger ribonucleic acid for mouse globin. Morrison M, et al. Biochem J 119:59P-60P, Oct 70
Release, identification, and isolation of messenger RNA from mammalian ribosomes. Blobel G.
Proc Natl Acad Sci USA 68:832-5, Apr 71
Separation by polyacrylamide gel electrophoresis of RNA from the spleens of immunized mice. Majer J, et al. Proc Soc Exp Biol Med 136:942-5, Mar 71
[Extraction of messenger RNA from the submaxillary gland of the mouse treated with testosterone] De Campora E.
Boll Mal Orecch Gola Naso 88:152-7, 1970 (Ita)
Fractionation of adenohypophyseal messenger RNA] Livshits AA, et al.
Ukr Biokhim Zh 41:180-4, 1969 (Ukr)

METABOLISM

RNase sensitivity of messenger and ribosomal RNA in pigeon liver polysomes. Hüvös P, et al.
Acta Biochim Biophys Acad Sci Hung 5:191-201, 1970
Leucine and phenylalanine incorporation by rat liver microsomes containing endogenous template RNA: a kinetic study of the effect of polyuridylic acid. Loeb JN. Arch Biochem Biophys 139:306-10, Aug 70
Studies on the formation of the initiation complex in eukaryotes. Heywood SM, et al.
Biochem Biophys Res Commun 43:470-5, 7 May 71
Translation of an RNA viral message in vitro: one-step polypeptide chain elongation. Hsu WT.
Biochem Biophys Res Commun 42:405-12, 5 Feb 71
Effect of aurintricarboxylic acid and of NaF on the binding of globin messenger RNA to reticulocyte 40S ribosomal subunits. Lebleu B, et al.
Biochem Biophys Res Commun 40:731-9, 11 Aug 70
Messenger activity in mammalian cell-free extracts of reovirus single-stranded RNA prepared in vitro. Levin DH, et al.
Biochem Biophys Res Commun 42:454-61, 5 Feb 71
The control of ribonucleic acid synthesis in bacteria. Steady-state content of messenger ribonucleic acid in Escherichia coli M.R.E. 600. Gray WJ, et al.
Biochem J 120:279-88, Nov 70
Initiation of polysome formation in mouse sarcoma 180 ascites cells. Utilization of cytoplasmic messenger ribonucleic acid. Lee SY, et al.
Biochemistry 10:895-900, 2 Mar 71
The kinetics of labelling and intracellular distribution of mammalian DNA-like RNA isolated by methylated albumin kieselguhr column chromatography. Billing RJ, et al. Biochim Biophys Acta 217:434-46, 15 Oct 70
Effect of actinomycin D on turnover rate of messenger ribonucleic acid in rat liver. Endo Y, et al.
Biochim Biophys Acta 240:215-7, 30 Jun 71
Qualitative changes in DNA-like RNA during development in Rana pipiens. Greene RF, et al.
Biochim Biophys Acta 217:447-60, 15 Oct 70
Metabolic turnover of messenger ribonucleic acid in rat liver. Tominaga H, et al.
Biochim Biophys Acta 228:183-92, 1 Jan 71
Selective proteolytic dissociation of rabbit reticulocyte single ribosomes not attached to messenger RNA. Velez R, et al.
Biochim Biophys Acta 228:719-27, 11 Feb 71
Rapidly labelled ribonucleoprotein particles in rat liver cytoplasm and their relevance to the transport of messenger RNA. Woodcock DM, et al.
Biochim Biophys Acta 240:218-32, 30 Jun 71
On the stability of the kinetics of a certain class of biomolecular reactions. Nazarea AD.
Biophysik 7:85-94, 1971
Differences in the binding of 2-Acetylaminofluorene and its N-Hydroxy metabolite to liver nucleic acids of male and female rats. Irving CC, et al.
Cancer Res 31:19-22, Jan 71
Messenger RNA in HeLa cells: an investigation of free and polyribosome-bound cytoplasmic messenger ribonucleoprotein particles by kinetic labelling and electron microscopy. Spohr G, et al.
Eur J Biochem 17:296-318, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A new approach to the determination of mRNA half-life time in HeLa cells without the use of actinomycin. Kramer G, et al.
Hoppe Seylers Z Physiol Chem 352:843-52, Jun 71
The stability of messenger ribonucleic acid during sporulation in Bacillus subtilis. Leighton TJ, et al.
J Biol Chem 246:3189-95, 25 May 71
Transcription and degradation of messenger ribonucleic acid for a glucose transport system in Neurospora. Schneider RP, et al.
J Biol Chem 246:4784-9, 10 Aug 71
Cerebral protein synthesis. 3. Developmental alterations in the stability of cerebral messenger ribonucleic acid-ribosome complexes. Zomzely CE, et al. J Biol Chem 246:2097-103, 10 Apr 71
Control of macromolecular synthesis in proliferating and resting Syrian hamster cells in monolayer culture. I. Ribosome function. Stanners CP, et al.
J Cell Physiol 77:31-42, Feb 71
Evidence for reduced breakdown of messenger RNA during blocked transcription or translation in Escherichia coli. Lindahl L, et al.
J Mol Biol 43:593-606, 14 Aug 69
The process of infection with coliphage T7. IV. Stability of RNA in bacteriophage-infected cells. Summers WC.
J Mol Biol 51:671-8, Aug 70
Actinomycin D and hepatic polyribosomal disaggregation. Evidence for different half-lives of mRNA of free and membrane-boudn polyribosomes. Reid IM, et al. Lab Invest 25:141-8, Aug 71
A prediction fulfilled.
Nature (Lond) 228:1254-5, 26 Dec 70
Loss of dispensable endonuclease activity in relief of polarity by suA. Kuwano M, et al.
Nature [New Biol] 231:214-7, 16 Jun 71
Collagen synthesis on polysomes in vivo and in vitro. Lazarides E, et al.
Nature [New Biol] 232:37-40, 14 Jul 71
Regulation of mRNA utilization and degradation by amino-acid starvation. Morse DE, et al.
Nature [New Biol] 232:165-9, 11 Aug 71
Regulation of lac transcription in antibiotic-treated E. coli. Varmus HE, et al.
Nature [New Biol] 230:41-4, 10 Mar 71
Waiting for the messenger.
Nature [New Biol] 231:65-6, 19 May 71
A translocation-associated ribosomal conformational change detected by hydrogen exchange and sedimentation velocity. Chuang D, et al.
Proc Natl Acad Sci USA 68:1474-8, Jul 71
Control of translation by the conformation of messenger RNA. Fukami H, et al.
Proc Natl Acad Sci USA 68:570-3, Mar 71
Specificity of mRNA binding factor in eukaryotes. Heywood SM.
Proc Natl Acad Sci USA 67:1782-8, Dec 70
Sequential translation of trinucleotide codons for peptide bond formation, translocation, and termination. Tompkins RK.
Proc Natl Acad Sci USA 66:1164-9, Aug 70
Sequetial translattion of trinucleotide codons for peptide bond formation, translocation, and termination. Tomplins RK.
Proc Natl Acad Sci USA 66:1164-9, Aug 70
Effect of vitamin A deficiency on the protein synthetic activity of rat liver ribosomes. Tryfiates GP, et al.
Proc Soc Exp Biol Med 136:946-8, Mar 71
[Effect of 2 translation initiation inhibitors on the interaction between messenger RNA and 40S ribosomal sub-particles] Lebleu B, et al.
Arch Int Physiol Biochim 79:203-4, Jan 71 (Fre)

PHARMACODYNAMICS

[Role of ribonucleic acids in regulation of the growth of tissues and organs] Alekseev AB.
Biull Eksp Biol Med 68:79-81, Oct 69 (Rus)

RNA, NEOPLASM (D10)

Hybridization studies with nucleic acids from murine plasma cell tumors. Krueger RG, et al.
Biochem Biophys Res Commun 41:944-51, 25 Nov 70
DNA of rat hepatomas: search for gene amplification. Shearer RW.
Biochem Biophys Res Commun 43:1324-8, 18 Jun 71
Comparative studies on mammalian and yeast phenylalanine transfer ribonucleic acids. Fink LM, et al. Biochemistry 10:1873-8, 11 May 71
Induction of papillomas in rabbits with nucleic acid extracts from Vx7 carcinomas. Ito Y.
Br J Cancer 24:535-41, Sep 70
[Isolation, analysis and radioactive labeling of nucleic acids from rat tumors induced by polyoma virus] Pokorný J, et al. Z Krebsforsch 74:219-26, 1970 (Ger)
[Infectious properties of Rous sarcoma virus RNA and total RNA from tumors induced by this virus] Kuznetsov OK, et al.
Biull Eksp Biol Med 70:78-80, Oct 70 (Rus)
[Binding of trace quantities of some elements by malignant tumor nucleic acids] Andronikashvili EL, et al. Dokl Akad Nauk SSSR 195:979-82, 1970 (Rus)

ANALYSIS

Correlation between separation of low molecular weight RNA on MAK columns and polyacrylamide gels. Hellung-Larsen P, et al.
Anal Biochem 40:227-32, Mar 71
Adenylate-rich oligonucleotides of ribosomal and ribosomal precursor RNA from HeLa cells. Birnboim HC, et al.
Biochem Biophys Res Commun 42:1169-75, 19 Mar 71
A comparison of the primary structures of 28S and 18S ribonucleic acid from HeLa cells and different human tissues. Amaldi F, et al.
Biochemistry 10:1478-83, 13 Apr 71
Application of a tritium derivative method to human brain and brain tumor transfer RNA analysis. Randerath K. Cancer Res 31:658-61, May 71
Benzoylated diethylaminoethyl cellulose chromatography of tumor and nontumor transfer RNA. Taylor MW. Cancer Res 30:2463-9, Oct 70
On the role of ribonucleoproteins in proliferation and maturation processes in malignant mouse fibroblasts. Sharashidze LK, et al.
Folia Histochem Cytochem (Krakow) 8:281-5, 1970
Difference of RNA population between normal liver and hepatoma AH-130. Ono T, et al.
Gann 62:31-40, Feb 71
Heterogeneity of nucleolar U3 ribonucleic acid of the Novikoff hepatoma. Prestayko AW, et al.
J Biol Chem 246:182-7, 10 Jan 71
Structural analysis of nucleolar precursors of ribosomal ribonucleic acid. Polypurine sequences in nucleolar 28 S ribonucleic acid of Novikoff hepatoma ascites cells. Seeber S, et al.
J Biol Chem 246:2633-44, 25 Apr 71
Expression of the mitochondria genome in HeLa cells. IV. Titration of mitochondrial genes for 16 s, 12 s and 4 s RNA. Aloni Y, et al. J Mol Biol 55:271-6, 28 Jan 71
Expression of the mitochondrial genome in HeLa cells. I. Properties of the discrete RNA components from the mitochondrial fraction. Attardi B, et al.
J Mol Biol 55:231-49, 28 Jan 71
Unmasking of proteins by in vitro methylation of rat liver RNA during azo dye carcinogenesis. Brière N.
Stain Technol 46:201-6, Jul 71
[Association of rapidly marked RNA with cytoplasmic structures in mouse plasmacytoma] Kempf J, et al.
Eur J Biochem 17:124-33, Nov 70 (Fre)
[Biochemical and histochemical study of nucleic acids and the enzymes depolymerizing them in cancerous tumor of the larynx before and after the effect of ribonuclease] Veremeenko KN, et al.
Zh Ushn Nos Gorl Bolezn 30:21-9, May-Jun 70 (Rus)

ANTAGONISTS & INHIBITORS

Inhibition of RNA synthesis in mammalian cells by pentobarbital sodium. Rovera G, et al.
Proc Soc Exp Biol Med 135:529-32, Nov 70
[Screening of antineoplastic antibiotics inhibiting nucleic acid synthesis] Ivanitskaia LP, et al.
Antibiotiki 16:115-9, Feb 71 (Rus)
[Cytochemical analysis of the effect of antineoplastic antibiotic reumycin] Shtegel'man LA.
Antibiotiki 15:1021-5, Nov 70 (Rus)

BIOSYNTHESIS

The influence of supranormal temperatures on the nucleolus of Hela-S3 cells exposed to the antibiotic toyocamycin. Heine UI.
Arch Geschwulstforsch 36:108-18, 1970
The use of conventional and zonal centrifugation to study the life cycle of mammalian cells. Phospholipid and macromolecular synthesis in neoplastic mast cells. Warmsley AM, et al. Biochem J 119:493-9, Sep 70
Kinetics of synthesis of cytoplasmic RNA with transfer properties in cultures of adrenal tumor cells. Friedlander A, et al.
Biochim Biophys Acta 213:101-14, 16 Jul 70
The small molecular weight monodisperse nuclear RNA's in mitotic cells. Rein A.
Biochim Biophys Acta 232:306-13, 11 Mar 71
Glucocorticoid inhibition of precursor incorporation into nuclear RNA of P1798 lymphosarcoma. Stevens J, et al. Biochim Biophys Acta 232:338-46, 11 Mar 71
Characterization of the rapidly labeled hybridizable RNA synthesized in L5178Y mouse leukemic cells. Hybridization lifetime studies. Meltz M, et al.
Biophys J 11:582-95, Jul 71
Inhibitory effects of D-glucosamine on the growth of Walker 256 carcinosarcoma and on protein, RNA, and DNA synthesis. Bekesi JG, et al.
Cancer Res 30:2905-12, Dec 70
Effect of crystalline abrin on the biosynthesis of protein, RNA, and DNA in experimental tumors. Lin JY, et al. Cancer Res 30:2431-3, Sep 70
Effect of crystalline ricin on the biosynthesis of protein, RNA, and DNA in experimental tumor cells. Lin JY, et al. Cancer Res 31:921-4, Jul 71
RNA synthesis in nuclei isolated from normal and Friend virus-infected mouse spleen. Munson BR, et al.
Cancer Res 30:2414-9, Sep 70
Immunoglobun, protein and nucleic acid synthesis in cultured myeloma cells. Kimmel CB.
Exp Cell Res 65:202-8, Mar 71
Inhibitory effects of anti-tumor platinum compounds on DNA, RNA and protein syntheses in mammalian cells in virtro. Harder HC, et al.
Int J Cancer 6:207-16, 15 Sep 70
Increased hybridization of RNA synthesized immediately after irradiation in cultured L5178Y mouse leukaemic cells. Meltz ML, et al.
Int J Radiat Biol 19:287-92, 1971
Nucleotide pools of Novikoff rat hepatoma cells growing in suspension culture. II. Independent nucleotide pools for nucleic acid synthesis. Plagemann PG. J Cell Physiol 77:241-8, Apr 71
The synthesis of DNA and RNA in human carcinomatous endometrium in short-term incubation in vitro and its response to oestradiol and progesterone. Nordqvist S.
J Endocrinol 48:29-38, Sep 70
Studies on the role of 23 s nucleolar RNA as an intermediate in the synthesis of 18 s ribosomal RNA. Egawa K, et al. J Mol Biol 56:565-77, 28 Mar 71
Nucleic acid synthesis in bladder tumors. Veenema RJ, et al. J Urol 105:392-6, Mar 71
Ribonucleic acid biosynthesis in the Kirkman-Robbins hamsters hepatoma. Baranowicz JW.
Neoplasma 18:99-103, 1971
Messenger and heterogeneous nuclear RNA in HeLa cells: differential inhibition by cordycepin. Penman S, et al. Proc Natl Acad Sci USA 67:1878-85, Dec 70
The effect of polyinosinic:polycytidylic acid on tumor metabolism. Levy HB, et al.
Proc Soc Exp Biol Med 135:141-5, Oct 70
The effects of chemotherapeutic agents on the RNA metabolism of 90Sr-induced rat chloroleukemia. Nakai GS, et al.
Proc Soc Exp Biol Med 136:1374-9, Apr 71
Synthesis of 5S and 4S RNA in metaphase-arrested HeLa cells. Zylber EA, et al.
Science 172:947-9, 28 May 71
Pharmacology of captan: biochemical effects with special reference to macromolecular synthesis. Gale GR, et al. Toxicol Appl Pharmacol 18:426-41, Feb 71
Nucleic acid synthesis in ladder tumors. Veenema RJ, et al. Trans Am Assoc Genitourin Surg 62:155-9, 1970
Histones and RNA metabolism in Ehrlich ascites cells infected with Maus-Elberfeld virus. Crocker TT.
Virology 43:527-30, Feb 71
[Kinetics of the incorporation of uridine (3 H) in subnucleolar fractions of rat ascites hepatoma cells] Bachellerie JP, et al. Biochimie 53:383-9, 1971 (Fre)
[In vivo study of DNA and RNA kinetics of various normal and cancerous human cell populations] Duprez A, et al. Bull Cancer (Paris) 56:73-90, Jan-Mar 69 (Fre)
[Effects of cytostatics and x-rays on nucleic acid metabolism of solid, malignant tumors in vitro] Kummer D. Z Krebsforsch 74:76-90, 1970 (Ger)
[Varying metabolic stability of messenger RNA of mitochondria from normal and regenerating liver and transplantable hepatoma] Gaitskhoki VS, et al.
Biokhimiia 36:60-6, Jan-Feb 71 (Rus)
[Effect of nicotinamide analogs on biosyntheses connected with the folic acid cycle] Ziliber IuA, et al.
Biokhimiia 35:879-85, Sep-Oct 70 (Rus)
[The effect of sarcolysin on nucleic acid synthesis in monolayer cultures of human tumor cells] Karuzina NP, et al. Biull Eksp Biol Med 69:77-80, Jun 70 (Rus)
[Cytochemical study of lymphoid tissue nucleic acids in chronic lymphatic leukemia] Kogarko IN, et al.
Izv Akad Nauk SSSR [Biol] 3:348-55, May-Jun 70 (Rus)
[Effect of synestrol on the biosynthesis of nuclear RNA in mouse cervix neoplasms] Naumova TI, et al.
Vopr Med Khim 17:128-31, Mar-Apr 71 (Rus)

ISOLATION & PURIFICATION

Isolation of two small molecular weight RNA components by MAK column chromatography. Frederiksen S, et al.
Arch Biochem Biophys 142:238-46, Jan 71

METABOLISM

RNA dependent DNA synthesis in cell free preparations of human leukemia cells. Ackermann WW, et al.
Biochem Biophys Res Commun 42:723-9, 19 Feb 71
Investigation of the alkylating action of 1,1-dimethyihydrazine. Krüger FW, et al.
Biochem Pharmacol 19:1825, May 70
Different gene expression for ribosomal RNA of AH-130 tumor and embryonic and adult rat liver. Higashi K, et al.
Biochim Biophys Acta 232:352-8, 11 Mar 71
Nucleic acid metabolism of an estrogen-dependent carcinoma of the adrenal cortex of the rat. Redman LW, et al. Cancer Res 31:265-9, Mar 71
A comparison of 32P distribution in oligonucleotides of ribosomal 28 S RNA from normal liver and Novikoff hepatoma ascites cells. Wikman J, et al.
Cancer Res 30:2749-59, Nov 70
Turnover of nuclear RNA in HeLa cells: evidence for a single ribonucleotide pool. Wu RS, et al.
J Mol Biol 58:481-7, 14 Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Transfer and ribosomal ribonucleic acids in brain tumors. Viale GL, et al. J Neurosurg 34:446-7, Mar 71
The effect of chlorambucil on the incorporation of tritiated precursors into the nucleic acids and proteins of Yoshida ascites sarcoma cells. Hill BT, et al. Neoplasma 17:485-9, 1970
Carcinogen and microsomal membrane interactions: changes in membrane density and ability to bind nucleic acids. Kubinski H, et al.
Science 171:201-3, 15 Jan 71
[The formation of melanin in muscle cells after the direct transfer of RNA from Harding-Passey melanoma cells] Grässmann A, et al.
Hoppe Seylers Z Physiol Chem 352:527-32, Apr 71 (Ger)
[Current cancer theories and their scientific basis] Laerum OD.
Tidsskr Nor Laegeforen 90:2067-70, 15 Nov 70 (25 ref.) (Nor)
[RNA in human leukocytes] Blinov MN, et al.
Biokhimiia 35:740-5, Jul-Aug 70 (Rus)
[RNA metabolism in cells of ascitic ovarian neoplasms in the presence of 2,4-dinitrophenol and sodium fluoride] Shuppe NG.
Biokhimiia 35:698-707, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

Transfer of tumor immunity with RNA. Pilch YH, et al.
Isr J Med Sci 7:246-58, Jan 71
Pigment transformation and induction in hamster malignant amelanotic melanocytes. An effect of nucleic acids from hamster benign blue nevus. Lipkin G. J Invest Dermatol 57:49-65, Jul 71
[Development of a leukemic syndrome in mice treated with RNA extracted from Ehrlich ascites carcinoma] Novelli A, et al.
Pathologica 61:361-71, Nov-Dec 69 (Ita)

RNA NUCLEOTIDYL- TRANSFERASES (D9)

Identification and characterization of an RNA replicase from TMV-infected tobacco leaves. Brishammar S.
Biochem Biophys Res Commun 41:506-11, 23 Oct 70
Synthesis of a copolymer containing adenylic and deoxyadenylic acid residues with polynucleotide phosphorylase. Chou JY, et al.
Biochem Biophys Res Commun 42:306-11, 22 Jan 71
Polynucleotide phosphorylase covalently bound to cellulose and its use in the preparation of homopolynucleotides. Hoffman CH, et al.
Biochem Biophys Res Commun 41:710-4, 9 Nov 70
Reactivation of denatured RNA polymerase from E. coli. Lill UI, et al.
Biochem Biophys Res Commun 39:930-5, 5 Jun 70
The identification of 3'-hydroxyl nucleoside terminus of RNA chains released in the DNA-dependent RNA polymerase reaction. Maitra U.
Biochem Biophys Res Commun 41:1255-60, 9 Dec 70
The interchangeability of stimulatory factors isolated from three microbial RNA polymerases. Whiteley HR, et al.
Biochem Biophys Res Commun 41:847-54, 9 Nov 70
DNA-dependent RNA polymerase from mitochondria of a cytoplasmic "petite" mutant of yeast. Wintersberger E.
Biochem Biophys Res Commun 40:1179-84, 10 Sep 70
Physical studies on ribonucleic acid polymerase from Escherichia coli B. Berg D, et al.
Biochemistry 9:5055-64, 22 Dec 70
2'-O-methyladenosine 5'-triphosphate. A substrate for deoxyribonucleic acid dependent ribonucleic acid polymerase of Pseudomonas putida. Gerard GF, et al.
Biochemistry 10:1974-81, 25 May 71
An extraordinary temperature dependence of the reovirus transcriptase. Kapuler AM.
Biochemistry 9:4453-7, 27 Oct 70
Effect of protein kinase on ribonucleic acid polymerase. Martelo OJ, et al.
Biochemistry 9:4807-13, 24 Nov 70
Studies on thermal inactivation of transfer ribonucleic acid nucleotidyltransferase from Escherichia coli. Miller JP, et al. Biochemistry 10:1001-7, 16 Mar 71
Stoichiometry of yeast nucleotidyl transferase and effect on the addition reactions of stepwise removal of nucleotides from the acceptor aend of the transfer ribonucleic acid. Morris RW, et al.
Biochemistry 9:4828-32, 24 Nov 70
Studies on the mechanism of ribonucleic acid synthesis. II. Stabilization of the deoxyribonucleic acid-ribonucleic acid polymerase complex by the formation of a single phosphodiester bond. So AG, et al. Biochemistry 9:4788-93, 24 Nov 70
RNA-dependent RNA polymerase in Chinese cabbage. Astier-Manifacier S, et al.
Biochim Biophys Acta 232:484-93, 25 Mar 71
Stimulation of chromatin-bound RNA polymerase activity by a soluble factor. Hardin JW, et al.
Biochim Biophys Acta 224:667-70, 14 Dec 70
Transcription of RNA polymerase binding sites isolated from T4 phage DNA. Rüger W.
Biochim Biophys Acta 238:202-11, 13 May 71
2'-O-methylcytidine 5'-diphosphate as substrate for polynucleotide phosphorylase from Escherichia coli. Simuth J, et al.
Biochim Biophys Acta 228:654-63, 11 Feb 71
Nucleolar and extranucleolar chromatin of rat Novikoff hepatoma cells. Separation and partial characterization of RNA polymerase activities. Wilhelm JA, et al.
Biochim Biophys Acta 238:288-94, 13 May 71
Kinetics of polymerization and phosphorolysis reactions of Escherichia coli polynucleotide phosphorylase. Evidence for multiple binding of polynucleotide in phosphorolysis. Godefroy T.
Eur J Biochem 14:222-31, Jun 70
The tRNA pyrophosphorylase activity of Escherichia coli. A study on substrate specificity. Gross HJ, et al.
Eur J Biochem 17:116-23, Nov 70
A factor from calf thymus stimulating DNA-dependent RNA polymerase isolated from this tissue. Stein H, et al. Eur J Biochem 14:270-7, Jun 70
Enzymatic properties of bacteriophage T4 altered and modified RNA polymerase as compared to DNA-dependent RNA polymerase from E. Coli (EC 2.7.7.6). Schachner M, et al.
Hoppe Seylers Z Physiol Chem 352:734-42, May 71
Interaction between natural ribonucleotides and their corresponding analogues at sites which possibly recognize indivual four substrates of DNA dependent RNA polymerase. Asano S, et al.
J Biochem (Tokyo) 70:21-34, Jul 71
Preferential binding of RNA polymerase to the thymidylic acid-rich fragments obtained from bacteriophage fi DNA. Shishido K, et al.
J Biochem (Tokyo) 68:881-4, Dec 70
Deoxyribonucleic acid-dependent ribonucleic acid polymerase of Pseudomonas putida. Johnson JC, et al.
J Biol Chem 246:1222-32, 10 Mar 71
Transfer ribonucleic acid nucleotidyltransferase from Escherichia coli. 3. Kinetic analysis. Miller JP, et al.
J Biol Chem 246:1280-4, 10 Mar 71
Specificity of the cucumber mosaic virus-induced RNA polymerase for RNA and polynucleotide templates. May JT, et al.
J Child Psychol Psychiatry 12:517-26, Jun 71
Transcription of the ribosomal RNA genes of an amphibian by the RNA polymerase of a bacterium. Reeder RH, et al. J Mol Biol 51:361-77, 28 Jul 70
SV40 DNA strand selection by Escherichia coli RNA polymerase. Westphal H.
J Mol Biol 50:407-20, 14 Jun 70
A new preparation method for dark-field electron microscopy of biomacromolecules. Dubochet J, et al.
J Ultrastruct Res 35:147-67, Apr 71
Transcription in vitro by reovirus-associated ribonucleic acid-dependent polymerase. Banerjee AK, et al. J Virol 6:1-11, Jul 70
Simian virus 40 deoxyribonucleic acid transcription in vitro: binding and transcription patterns with a mammalian ribonucleic acid polymerase. Herzberg M, et al. J Virol 6:667-76, Nov 70
New RNA polymerase from Escherichia coli infected with bacteriophage T7. Chamberlin M, et al.
Nature (Lond) 228:227-31, 17 Oct 70
RNA polymerase: two-step mechanism with overlapping steps. Florentiev VL, et al.
Nature (Lond) 228:519-22, 7 Nov 70
Different template specificities of phage T3 and T7 RNA polymerases. Dunn JJ, et al.
Nature [New Biol] 230:94-6, 17 Mar 71
Mitochondrial RNA polymerase from Neurospora crassa. Küntzel H, et al.
Nature [New Biol] 231:265-9, 30 Jun 71
Enzymatic synthesis of bacteriophage fi DNA: RNA hybrid and double stranded RNA. Robertson HD.
Nature [New Biol] 229:169-72, 10 Feb 71
Simplest RNA polymerase yet.
Nature [New Biol] 231:258, 30 Jun 71
RNA-dependent RNA polymerase activity associated with virions and subviral particles of myxoviruses. Chow NL, et al.
Proc Natl Acad Sci USA 68:752-6, Apr 71
Identity of the 5'-terminal RNA nucleotide sequence of the satellite tobacco necrosis virus and its helper virus: possible role of the 5'-terminus in the recognition by virus-specific RNA replicase. Lesnaw JA, et al. Proc Natl Acad Sci USA 66:140-5, May 70
Properties of a plant virus-induced RNA polymerase in particulate fractions of cucumbers infected with cucumber mosaic virus. May JT, et al.
Virology 41:653-64, Aug 70
[The effect of poliomyelitis virus infection on the matrix activity of FL cell deoxyribonucleoprotein in in vitro experiments with E. coli RNA-polymerase] Zalmanzon ES, et al.
Vopr Virusol 15:414-8, Jul-Aug 70 (Rus)

ANALYSIS

An enzymic method for determination of inorganic pyrophosphate and its use as an assay for RNA polymerase. Johnson JC, et al.
Anal Biochem 28:137-45, 10 Oct 68
Reovirus core transcriptase and ethidium bromide: a continuous fluorimetric assay for polynucleotide synthesis based on the secondary structure of mRNA. Kapuler AM.
Biochim Biophys Acta 238:363-8, 13 May 71
Selective extraction of form I DNA dependent RNA polymerase from rat liver nuclei and its separation into two species. Chesterton CJ, et al.
Eur J Biochem 19:232-41, 11 Mar 71
The development and use of an extracellular RNA replicating system. Spiegelman S.
Harvey Lect 64:1-67, 1968-69 (63 ref.)
Micro-analysis of pure deoxyribonucleic acid-dependent ribonucleic acid polymerase from Escherichia coli. VI. Determination of the amino acid composition. Neuhoff V, et al.
Hoppe Seylers Z Physiol Chem 351:1395-401, Nov 70
Polymerase in Australia-antigen preparations.
Lancet 1:1113, 29 May 71
Characterization of the subunits of Q-beta replicase. Kamen R. Nature (Lond) 228:527-33, 7 Nov 70
Subunit structure of Q-beta replicase. Kondo M, et al.
Nature (Lond) 228:525-7, 7 Nov 70
Reverse transcriptase in human milk virus.
Nature (Lond) 231:80, 14 May 71
Identification and origin of some chloroplast aminoacyl-tRNA synthetases and tRNAs. Reger BJ, et al. Proc Natl Acad Sci USA 67:1207-13, Nov 70
Characterization of the initial peptide of Q-beta RNA polymerase and control of its synthesis. Skogerson L, et al. Proc Natl Acad Sci USA 68:276-9, Feb 71
Effects of 7,12-dimethylbenz (a) anthracene on RNA polymerase in isolated mammary gland cell nuclei. Tominaga T, et al.
Proc Soc Exp Biol Med 136:694-7, Mar 71
[Attempt at immunochemical characterization of the fractions present in a preparation of E. coli RNA polymerase] Dubert JM, et al.
Biochimie 53:185-93, 1971 (Fre)
[Effect of mitomycin C on the polynucleotide phosphorylase activity in vivo and in vitro] Kolobov AV, et al. Antibiotiki 16:218-21, Mar 71 (Rus)

ANTAGONISTS & INHIBITORS

Studies on RNA polymerase inhibitor formed in virus-infected cells. 3. Induction of inhibitor of cellular nucleic acid synthesis in vaccinia virus-infected cells. Balandin IG, et al.
Acta Virol (Praha) 15:1-6, Jan 71
The effect of a range of RNA polymerase inhibitors on RNA synthesis in higher plant chloroplasts and nuclei. Bottomley W, et al.
Arch Biochem Biophys 143:269-75, Mar 71
In vitro inhibition of E. coli RNA polymerase transcription of rat liver chromatin by aflatoxin B. Portman RS, et al.
Biochem Biophys Res Commun 41:774-80, 9 Nov 70
Studies on the effect of distamycin A on the DNA dependent RNA polymerase system. Puschendorf B, et al.
Biochem Biophys Res Commun 43:617-24, 7 May 71
Interaction of kanchanomycin with nucleic acids. 3. Contrasts in the mechanisms of inhibition of ribonucleic acid and deoxyribonucleic acid polymerase reactions. Joel PB, et al.
Biochemistry 9:4421-7, 27 Oct 70
The inhibition of RNA and DNA polymerases by hedamycin. Joel PB, et al.
Biochim Biophys Acta 224:361-70, 14 Dec 70
The relationship of mono- and polynucleotide conformation to catalysis by polynucleotide phosphorylase. Kapuler AM, et al.
Biochim Biophys Acta 217:18-29, 17 Sep 70
Interaction of formate esters with viral RNA and viral polymerase. Oberg B.
Biochim Biophys Acta 232:107-16, 25 Feb 71
Membrane-bound ribonucleic acid synthesis in Escherichia coli infected with ribonucleic acid bacteriophage R23. Hunt D, et al.
J Biol Chem 246:4151-6, 10 Jul 71
Inhibition of RNA polymerase by streptolydigin. Cassani G, et al.
Nature [New Biol] 230:197-200, 14 Apr 71
Specific inhibitors of the three RNA polymerases from the aquatic fungus Blastocladiella emersonii. Horgen PA, et al. Proc Natl Acad Sci USA 68:338-41, Feb 71
DNA-dependent RNA polymerase: inhibition of a mammalian enzyme by methylthioinosine dialdehyde. Spoor TC, et al.
Proc Soc Exp Biol Med 136:605-7, Feb 71
Specific interaction of tobacco mosaic virus RNA with Q beta-replicase. Okada Y, et al.
Virology 43:69-74, Jan 71
Inhibition of influenza RNA polymerase by specific antiserum. Scholtissek C, et al.
Virology 43:137-43, Jan 71
[An RNA-polymerase inhibitor formed in virus infected cells. A simple method of determining inhibitor activity] Balandin IG, et al.
Vopr Virusol 15:357-9, May-Jun 70 (Rus)

BIOSYNTHESIS

Induction of a new RNA polymerase in Escherichia coli

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

infected with bacteriophage T3. Maitra U.
Biochem Biophys Res Commun 43:443-50, 16 Apr 71
Production and characterisation of a viral RNA-dependent RNA polymerase induced in Escherichia coli Q. 13 by infection with bacteriophage Q . Sargeant K, et al.
Biochim Biophys Acta 238:475-82, 27 May 71
Sequential biosynthesis of the and ' subunits of the DNA-dependent RNA polymerase from Escherichia coli. Matzura H, et al.
J Okla State Dent Assoc 59:17-25, 14 Jul 71
In vitro synthesis of a DNA dependent RNA polymerase coded on coliphage T7 genome. Gelfand DH, et al.
Nature (Lond) 228:1162-5, 19 Dec 70

BLOOD

Characterisation of RNA polymerase activity in avian red blood cells. Appels R, et al.
Biochim Biophys Acta 217:531-4, 15 Oct 70

ISOLATION & PURIFICATION

Studies with tRNA adenylyl(cytidylyl)transferase from Escherichia coli B. I. Purification and kinetic properties. Best AN, et al.
Arch Biochem Biophys 142:527-38, Feb 71
Partial purification of RNA polymerase from bovine thymus. Goldberg ML, et al.
Arch Biochem Biophys 141:258-63, Nov 70
Preparatin, proteolysis and reversible oxidationof highly purified Azotobacter vinelandii polynucleotide phosphorylase. Gajda AT, et al.
Biochem J 120:753-61, Dec 70
Partial purification and properties of guinea-pig liver polynucleotide phosphorylase. See YP, et al.
Biochem J 119:517-24, Sep 70
Purification and characterization of yeast nucleotidyl transferase and investigation of enzyme-transfer ribonucleic acid complex formation. Morris RW, et al.
Biochemistry 9:4819-27, 24 Nov 70
Purification and properties of Escherichia coli CTP (ATP)-tRNA nucleotidyltransferase. Carre DS, et al.
Biochim Biophys Acta 224:371-81, 14 Dec 70
The enzymatic synthesis of ribonucleic acid in animal tissue. 3. Further purification of soluble RNA polymerase from lymphoid tissue and some general properties of the enzyme. Furth JJ, et al.
Biochim Biophys Acta 213:124-33, 16 Jul 70
A purification procedure for small amounts of radioactive Escherichia coli RNA polymerase. Ihler GM. Biochim Biophys Acta 213:525-8, 8 Aug 70
Tryptophanyl transfer RNA synthetase from lymphocytes of human chronic lymphocytic leukemia. Tchou HP, et al. Cancer Res 31:679-83, May 71
Transfer ribonucleic acid nucleotidyltransferase from Escherichia coli. II. Purification, physical properties, and substrate specificity. Miller JP, et al.
J Biol Chem 246:1274-9, 10 Mar 71
Ribosomal RNA synthesis and RNA polymerase. Tocchini-Valentini GP, et al.
Nature (Lond) 228:993-5, 5 Dec 70
Mitochondrial RNA polymerase purified.
Nature (Lond) 231:494, 25 Jun 71
Amber mutations of Escherichia coli RNA polymerase. Austin SJ, et al. Nature [New Biol] 232:133-6, 4 Aug 71
DNA-dependent RNA polymerase from yeast mitochondria. Tsai MJ, et al.
Proc Natl Acad Sci USA 68:473-7, Feb 71
[RNA polymerases in the uterine endometrium of heifers. Stimulation of nucleolar RNA polymerase by the cytoplasmic 5 S-estradiol complex] Arnaud M, et al. C R Acad Sci [D] (Paris) 272:635-8, 25 Jan 71 (Fre)

METABOLISM

The possible influence of steroid-receptor complexes on the interaction of DNA and RNA polymerases. Mangan FR, et al.
Acta Endocrinol [Suppl] (Kbh) 155:151, 1971
Studies with tRNA adenylyl(cytidylyl)transferase from Escherichia coli B. I. Purification and kinetic properties. Best AN, et al.
Arch Biochem Biophys 142:527-38, Feb 71
Studies with tRNA adenylyl(cytidylyl)transferase from Escherichia coli B. II. Regulation of AMP and CMP incorporation into tRNApCpC and tRNApC. Best AN, et al. Arch Biochem Biophys 142:539-47, Feb 71
Effects of ionic strength on the RNA polymerase activities of isolated nuclei and nucleoli of rat liver. Johnson JD, et al.
Arch Biochem Biophys 142:489-500, Feb 71
Activity and kinetics of DNA dependent DNA and RNA polymerases n xeroderma pigmentosum and in normal human skin. Müller WE, et al.
Arch Dermatol Forsch 240:334-41, 1971
Effects of temperature on viral RNA synthesis and RNA polymerase activity in a foot-and-mouth disease virus system. Delagneau JF.
Arch Gesamte Virusforsch 32:318-28, 1970
The effect of salt concentration on the polyribonucleotide synthesizing activities in extracts of uninfected and RNA-bacteriophage infected "Escherichia coli". Gillis E, et al.
Arch Int Physiol Biochim 78:519-30, Aug 70
RNA synthesis on native DNA complexes isolated from Streptomyces griseus and Escherichia coli. Szeszák F, et al. Arch Mikrobiol 73:368-78, 1970
Transcription-dependent release of a mammalian RNA polymerase from its endogenous template. Bagshaw JC, et al.
Biochem Biophys Res Commun 42:1207-13, 19 Mar 71
Factors and rifampicin influencing RNA polymerase isolated from chromatin of eukaryotic cell. Mondal H, et al.
Biochem Biophys Res Commun 40:1194-200, 10 Sep 70
Decreased activity of a soluble DNA-dependent RNA polymerase from thumus of rats injected with a thymolytic steroid. Nakagawa S, et al.
Biochem Biophys Res Commun 43:239-45, 16 Apr 71
An isotopic study of DNA-dependent RNA polymerase of E. coli following T4 phage infection. Stevens A.
Biochem Biophys Res Commun 41:367-73, 23 Oct 70
The effect of feeding with a tryptophan-free amino acid mixture on rat liver magnesium ion-activated deoxyribonucleic acid-dependent ribonucleic acid polymerase. Henderson AR.
Biochem J 120:205-14, Nov 70
Ribonucleic acid polymerase from rat prostate nuclei and nucleoli. Mangan FR, et al.
Biochem J 120:25P-26P, Dec 70
Studies on the effect of triphosphates of 5-aminouridine and 5-hydroxydeoxyuridine on ribonucleic acid and deoxyribonucleic acid polymerases. Roy-Burman S, et al.
Biochem Pharmacol 19:2745-56, Oct 70
Stimulation by thyrotropin, long-acting thyroid stimulator, and dibutyryl 3',5'-adenosine monophosphate of protein and ribonucleic acid synthesis and ribonucleic acid polymerase activities in porcine thyroid in vitro. Adiga PR, et al.
Biochemistry 10:702-10, 16 Feb 71
Characterization of ribonucleic acid transcribed in vitro on phage phi 80 deoxyribonucleic acid. Okamoto T, et al. Biochemistry 9:3533-41, 1 Sep 70
The binding of Escherichia coli RNA polymerase to rabbit thymus deoxyribonucleoprotein. Carroll RB, et al. Biochim Biophys Acta 217:372-83, 15 Oct 70
Replication of viral nucleic acids. I. Enzyme-RNA complexes involved in the synthesis of Q-beta RNA. Hori K. Biochim Biophys Acta 217:394-407, 15 Oct 70
Alkylated polycytidylic acid templates for RNA polymerase. Ludlum DB.
Biochim Biophys Acta 213:142-8, 16 Jul 70
Studies on the mechanism of decrease in the RNA content in liver cells of fasted rats. II. The mechanism of starvation-induced decrease in RNA polymerase activity in liver. Onishi T.
Biochim Biophys Acta 217:384-93, 15 Oct 70
Differential response of ribonucleic acid polymerase in preneoplastic and neoplastic ovaries of mice following oestradiol treatment. Bruzzone S.
Br J Cancer 25:158-65, Mar 71
DNA-dependent RNA polymerase isolated from brain nuclei. Singh VK, et al. Brain Res 25:677-9, 5 Feb 71
Further studies on the effects of various in vivo and in vitro factors on the priming and template activities of DNA isolates in the DNA and RNA polymerase systems. Chmielewicz ZF, et al.
Cancer Res 30:952-9, Apr 70
Modified bases and transfer RNA function.
Peterkofsky A, et al. Cancer Res 31:675-8, May 71
Isolation of enzymatically active nuclei from epithelial cells of the trachea. Smith JM, et al.
Cancer Res 31:199-202, Feb 71
Response of modified phenylalanine transfer RNA to recognition by phenylalanyl transfer RNA synthetase. Stulberg MP, et al. Cancer Res 31:671-4, May 71
The acute effect of aminoazobenzene and some of its derivatives on RNA polymerase activity in isolated rat liver nuclei. Wu SY, et al. Cancer Res 31:239-47, Mar 71
The synthesis of the alternating copolymer poly(r(A-s4U)) by RNA polymerase of Escherichia coli. Cramer F, et al. Eur J Biochem 19:379-85, Apr 71
Action of RNA polymerase from Escherichia coli. Homopolymerization with ATP and -or UTP as substrates in the absence of template. Schäfer KP, et al. Eur J Biochem 15:103-10, Jul 70
Effect of prednisolone on thymus lymphocytes. II. Studies on 3 H-actinomycin D Binding and RNA polymerase activity of isolate nuclei. Darżynkiewicz Z, et al. Exp Cell Res 67:49-60, Jul 71
Studies of muscle development. V. The activity of soluble and chromatin-bound RNA polymerase from embryonic chick muscle nuclei. Marchok AC.
Exp Cell Res 63:201-4, Nov 70
Stimulation of RNA polymerase activity by histones, polyamino acids, and polypeptide hormones. Konishi G, et al. Experientia 27:262-4, 15 Mar 71
2 cell-free systems for the assay of virus-specific polymerase. Yershov FI, et al.
Experientia 26:1401-3, 15 Dec 70
Some factors affecting DNA-dependent RNA polymerase solubilization from rat liver nuclei. Capobianco G, et al.
Ital J Biochem 19:217-29, Jul-Aug 70
DNA and RNA polymerase activities of rat brain during fetal and postnatal development. Giuffrida AM, et al.
Ital J Biochem 19:303-18, Sep-Oct 70
Electron microscopy of the altered spore morphology of a ribonucleic acid polymerase mutant of Bacillus subtilis. Korch CT, et al. J Bacteriol 105:1110-8, Mar 71
Effect of growth hormone upon the RNA polymerase and deoxythymidine kinase activities of regenerating liver in hypophysectomized rats. Akamatsu N, et al.
J Biochem (Tokyo) 69:1091-5, Jun 71
A possible recognition of ribonucleotides by DNA dependent RNA polymerase of E. coli. Asano S, et al.
J Biochem (Tokyo) 70:9-20, Jul 71
The nature of the ribonucleic acid synthetized in vitro by Sendai virus-induced ribonucleic acid-dependent ribonucleic acid polymerase. Hutchinson JE, et al.
J Gen Microbiol 63:xv-xvi, Nov 70
Further studies on the synthesis of RNA in vitro by enzyme--template complexes isolated from induced lambda lysogens. Cohen SN, et al.
J Mol Biol 58:635-9, 14 Jun 71
Formymethionyl transfer ribonucleic acid transformylase: the specific interaction of the enzyme with its transfer ribonucleic acid substrate. Dickerman HW, et al. J Mol Biol 59:425-45, 14 Aug 71
Comparison of the ribonucleic acid polymerases of two rhabdoviruses, Kern Canyon virus and vesicular stomatitis virus. Aaslestad HG, et al.
J Virol 7:726-35, Jun 71
Transcription of the influenza ribonucleic acid genome by a virion polymerase. I. Optimal conditions for in vitro activity of the ribonucleic acid-dependent ribonucleic acid polymerase. Bishop DH, et al.
J Virol 8:66-73, Jul 71
Transcription of the influenza ribonucleic acid genome by a virion polymerase. II. Nature of the in vitro polymerase product. Bishop DH, et al.
J Virol 8:74-80, Jul 71
Ribonucleic acid transcriptase acitvity in purified wound tumor virus. Black DR, et al.
J Virol 6:194-8, Aug 70
Comparison of the virion polymerase of reovirus with the enzyme purified from reovirus-infected cells. Gomatos PJ. J Virol 6:610-20, Nov 70
Ribonucleic acid polymerase in virions of Newcastle disease virus: comparison with the vesicular stomatitis virus polymerase. Huang AS, et al.
J Virol 7:389-94, Mar 71
Transient stimulation of deoxyribonucleic acid-dependent ribonucleic acid polymerase and histone acetylation in human embryonic kidney cultures infected with adenovirus 2 or 12: apparent induction of host ribonucleic acid synthesis. Ledinko N. J Virol 6:58-68, Jul 70
In vitro product of a ribonucleic acid polymerase induced by influenza virus. Mahy BW, et al.
J Virol 6:259-68, Sep 70
Ribonucleic acid polymerase activity in Sendai virions and nucleocapsid. Robinson WS. J Virol 8:81-6, Jul 71
Australia antigen, coronavirus, and reverse transcriptase in viral hepatitis. Sirtori C.
Lancet 2:261, 31 Jul 71
Interaction of RNA polymerase mutations in haploid and merodiploid cells of Escherichia coli K-12. Iiyina TS, et al. Mol Gen Genet 110:118-33, 1971
The function of the -factor of Escherichia coli RNA polymerase in template site selection. Mueller K.
Mol Gen Genet 111:273-96, 1971
Effects of an imprinting procedure on RNA polymerase activity in the chick brain. Haywood J, et al.
Nature (Lond) 228:373-5, 24 Oct 70
Transcription of late phage RNA by T7 RNA polymerase. Summers WC, et al.
Nature (Lond) 228:1160-2, 19 Dec 70
Another one for the book.
Nature (Lond) 228:207, 17 Oct 70
Lac DNA, RNA polymerase and cyclic AMP receptor protein, cyclic AMP, lac repressor and inducer are the essential elements for controlled lac transcription. De Crombrugghe B, et al.
Nature [New Biol] 231:139-42, 2 Jun 71
Loss of dispensable endonuclease activity in relief of polarity by suA. Kuwano M, et al.
Nature [New Biol] 231:214-7, 16 Jun 71
Complementarity of RNA produced by enzymic transcription of native and denatured B. subtilis DNA. Cassuto E, et al.
Proc Natl Acad Sci USA 66:197-203, May 70
Interconvertible forms of Escherichia coli RNA polymerase. Chelala CA, et al.
Proc Natl Acad Sci USA 68:152-4, Jan 71
Reinitiation of RNA synthesis on transcription of chromatin DNA by Escherichia coli RNA polymerase. Morris ME, et al.
Proc Natl Acad Sci USA 68:481-5, Feb 71
Kinetics of appearance of the products of poliovirus-induced RNA polymerase. McDonnell JP, et al. Virology 42:999-1006, Dec 70
[RNA polymerases in the uterine endometrium of heifers. Stimulation of nucleolar RNA polymerase by the cytoplasmic 5 S-estradiol complex] Arnaud M, et al. C R Acad Sci [D] (Paris) 272:635-8, 25 Jan 71 (Fre)
[Estradiol, cyclic AMP and nucleolar RNA polymerase in the heifer uterus] Arnaud M, et al.
C R Acad Sci [D] (Paris) 272:2957-60, 7 Jun 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Synthesis and biological activities of thyroxine derivatives and adrenergic drugs. XIV. Growth and hepatic RNA polymerase of the thyroidectomized rat treated chronically with thyroid hormones, and effects of adrenaline on basal metabolism] Michel R, et al. Gen Comp Endocrinol 15:303-12, Oct 70 (Fre)

[RNA-synthesis of the skin. DNA-dependent RNA-polymerase activity in guinea pig epidermis] Lukács I, et al. Arch Klin Exp Dermatol 238:187-96, 1970 (Ger)

[New observations on the occurrence of a RNA-dependent DNA-polymerase] Disch Med Wochenschr 96:658, 9 Apr 71 (Ger)

[Effect of alpha-hexachlorocyclohexane on enzymes of pyrimidine metabolism and their susceptibility to actinomycin] Oberdisse E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:412-3, 1970 (Ger)

[Behavior of nuclear enzymes during living cell canceration with diethylnitrosamine in the rat] Schauer A, et al. Verh Dtsch Ges Pathol 54:555-9, 1970 (Ger)

[Polymerase metabolism in poliovirus in mixed cellular infections] Maxia L, et al. Boll Soc Ital Biol Sper 45:1256-60, 15 Oct 69 (Ita)

[RNA-polymerase induced by Venezuelan equine encephalomyelitis virus] Ershov FI, et al. Vopr Virusol 16:103-8, Jan-Feb 71 (Rus)

[RNA and protein synthesis in a non-cellular bacterial system with addition of DNA and DNP of animals] Blok LN, et al. Ukr Biokhim Zh 42:718-22, 1970 (Ukr)

PHARMACODYNAMICS

Erroneous transcription of mitochondrial DNA by RNA polymerase from Escherichia coli. Tabak HF, et al. Biochim Biophys Acta 217:356-64, 15 Oct 70

RADIATION EFFECTS

The effect of x-rays on the salt stimulation of DNA-dependent RNA synthesis in vitro. Sümegi J, et al. Acta Biochim Biophys Acad Sci Hung 5:273-7, 1970

RNA POLYMERASE see under RNA

NUCLEOTIDYLTRANSFERASES (D9)

RNA, SOLUBLE (D10)

Isolation of Hfr derivative by the use of Shigella flexneri 4b-modified F factor. Kétyi I. Acta Microbiol Acad Sci Hung 17:167-73, 1970

Mass spectra of ribonucleoside components of tRNA. II. Hecht SM, et al. Anal Biochem 38:230-51, Nov 70

Study of tRNA fragment interactions by sephadex chromatography. Schmidt J, et al. Anal Biochem 39:162-9, Jan 71

N6-(Delta 2-isopentenyl)adenosine: biosynthesis in vitro in transfer RNA by an enzyme purified from Escherichia coli. Bartz JK, et al. Biochem Biophys Res Commun 40:1481-7, 30 Sep 70

Site of inhibition of yeast lysyl tRNA synthetase by polyuridylic acid. Berry SA, et al. Biochem Biophys Res Commun 39:691-8, 22 May 70

Antibodies to transfer RNA obtained with covalently linked tRNA conjugates. Bonavida B, et al. Biochem Biophys Res Commun 41:1335-41, 9 Dec 70

Transfer RNA methylase inhibitors in neoplastic and normal rat tissue. Chaney SQ, et al. Biochem Biophys Res Commun 40:1209-15, 10 Sep 70

Specificity of leucyl-tRNA and synthetase in plants. Cherry JH, et al. Biochem Biophys Res Commun 40:763-9, 24 Aug 70

Reversible inactivation of phenylalanine acceptor activity of yeast tRNAphe by sodium borohydride. Danchin A, et al. Biochem Biophys Res Commun 39:683-90, 22 May 70

Complex formation between transfer RNA'S with complementary anticodons. Eisinger J. Biochem Biophys Res Commun 43:854-61, 21 May 71

Chemical modification of tRNA-Tyr-yeast with bisulfite. A new method to modify isopentenyladenosine residue. Furuichi Y, et al. Biochem Biophys Res Commun 41:1185-91, 9 Dec 70

Polypeptide chain termination in vitro: competition for nonsense codons between a purified release factor and suppressor tRNA. Ganoza MC, et al. Biochem Biophys Res Commun 40:1455-63, 30 Sep 70

Fragmented E. coli methionine tRNA f as methyl acceptor for rat liver tRNA methylase: alteration of the site of methylation by the conformational change of tRNA structure resulting from fragmentation. Kuchino Y, et al. Biochem Biophys Res Commun 43:476-83, 7 May 71

A factor in the salt wash of reticulocyte ribosomes that can interact with acetylphenylalanyl-tRNA. McKeehan W, et al. Biochem Biophys Res Commun 41:757-64, 9 Nov 70

Reversible chemical modification of the thiopyrimidine residue in E. coli transfer RNA with S-benzylthioisothiourea. Saneyoshi M. Biochem Biophys Res Commun 40:1501-6, 30 Sep 70

Initiator-like properties of a methionyl-tRNA from wheat embryos. Tarragó A, et al. Biochem Biophys Res Commun 41:765-73, 9 Nov 70

Circular dichroism during deacylation of methionyl-tRNA met -f and formylmethionyl-tRNA met -f from E. coli. Wickstrom E. Biochem Biophys Res Commun 43:976-83, 4 Jun 71

Hybridization of bean leaf leucyl-tRNA with nuclear DNA and with chloroplast DNA. Williams GR, et al. Biochem Biophys Res Commun 39:858-63, 5 Jun 70

The effect of hypermethylation on the functional properties of transfer ribonucleic acid. Ribosome-binding and polypeptide synthesis. Hay J, et al. Biochem J 119:587-93, Sep 70

Studies on the conformation of the anticodon loop of phenylalanine transfer ribonucleic acid. Effect of environment on the fluorescence of the Y base. Beardsley K, et al. Biochemistry 9:3524-32, 1 Sep 70

Comparative studies on mammalian and yeast phenylalanine transfer ribonucleic acids. Fink LM, et al. Biochemistry 10:1873-8, 11 May 71

Synthesis of 5-carboxymethyluridine. A nucleoside from transfer ribonucleic acid. Fissekis JD, et al. Biochemistry 9:3136-42, 4 Aug 70

Molecular weighr of Escherichia coli glutaminyl transfer ribonucleic acid synthetase, and isolation of its complex with glutamine transfer ribonucleic acid. Folk WR. Biochemistry 10:1728-32, 27 Apr 71

Nicking activity of an endonuclease. I. Transfer ribonucleic acid complex of Escherichia coli. Goebel W, et al. Biochemistry 9:4793-801, 24 Nov 70

The interaction of cyclodextrins with nucleic acids. A study of secondary structure in three transfer ribonucleic acids. Hoffman JL, et al. Biochemistry 9:3542-50, 1 Sep 70

Structural properties of 5-fluorouracil-containing transfer ribonucleic acids from Escherichia coli. Kaiser II. Biochemistry 10:1540-5, 27 Apr 71

Transfer ribonucleic acid deficient in N6-(delta 2-isopentenyl)adenosine due to mevalonic acid limitation. Litwack MD, et al. Biochemistry 10:994-1001, 16 Mar 71

Purification and characterization of yeast nucleotidyl transferase and investigation of enzyme-transfer ribonucleic acid complex formation. Morris RW, et al. Biochemistry 9:4819-27, 24 Nov 70

Stoichiometry of yeast nucleotidyl transferase and effect on the addition reactions of stepwise removal of nucleotides from the acceptor aend of the transfer ribonucleic acid. Morris RW, et al. Biochemistry 9:4828-32, 24 Nov 70

Isolation and characterization of serine transfer ribonucleic acids from rat liver. Müller P, et al. Biochemistry 10:1885-90, 11 May 71

Relationship between peptidyl transferase activity and interaction of ribosomes with phenylalanyl transfer ribonucleic acid--guanosine 5'-triphosphate--Tiu complex. Ravel JM, et al. Biochemistry 9:5028-33, 8 Dec 70

Studies on the secondary structure of phenylalanyl transfer ribonucleic acid. Rosenfeld A, et al. Biochemistry 9:4971-80, 8 Dec 70

Conformational studies on transfer ribonucleic acid. Fluorescence lifetime and nanosecond depolarization measurements on bound ethidium bromidee. Tao T, et al. Biochemistry 9:3514-24, 1 Sep 70

Streptococcal nucleases. 3. Kinetics of action and inhibition by transfer ribonucleic acid. Yasmineh WG, et al. Biochemistry 7:91-7, Jan 68

Microcalorimetric determination of tRNA hydration. Bakradze NG, et al. Biochim Biophys Acta 238:161-3, 29 Apr 71

Comparative studies of the tRNA's and the aminoacyl-tRNA synthetases from the cytoplasm and the chloroplasts of Phaseolus vulgaris. Burkard G, et al. Biochim Biophys Acta 224:184-93, 12 Nov 70

Conformational changes of transfer RNA on aminoacylations. Chatterjee SK, et al. Biochim Biophys Acta 224:88-96, 12 Nov 70

Phenylalanine tRNA synthetase from Drosophila melanogaster. I. L-phenylalanine activation optima for pH, temperature and Mg2+ estimation of molecular weight. Christopher CW, et al. Biochim Biophys Acta 228:682-7, 11 Feb 71

Thermodynamics and kinetics of G-C base pairing in the isolated extra arm of serine-specific transfer RNA from yeast. Coutts SM. Biochim Biophys Acta 232:94-106, 25 Feb 71

Iodine modification of E. coli tRNA Phe : reversible modification of 2-methylthio-N 6 -isopentenyladenosine and lack of disulfide formation. Faulkner RD, et al. Biochim Biophys Acta 238:464-74, 27 May 71

Specific aggregation of yeast glycine tRNA. Hampel A, et al. Biochim Biophys Acta 228:482-91, 28 Jan 71

Peptide bond formation on the ribosome. Structural requirements for inhibition of protein synthesis and of release of peptides from peptidyl-tRNA on bacterial and mammalian ribosomes by aminoacyl and nucleotidyl analogues of puromycin. Harris RJ, et al. Biochim Biophys Acta 240:244-62, 30 Jun 71

On the aminoacyl-tRNA binding site of the 30-S ribosomal subunit and its relation to the chain initiation site of the ribosome. Igarashi K, et al. Biochim Biophys Acta 228:728-31, 11 Feb 71

Polyamines and protein synthesis. VI. Role of spermine in aminoacyl-tRNA formation. Igarashi K, et al. Biochim Biophys Acta 213:240-3, 16 Jul 70

Replacement of Mg 2+ by monovalent cations in aminoacyl transfer RNA formation. Igarashi K, et al. Biochim Biophys Acta 238:314-23, 13 May 71

Differential labelling of the thio, carboxymethyl and methyl substituents of 2-thio-5-carboxymethyluridine methyl ester, a trace nucleoside constituent of yeast transfer RNA. Kwong TC, et al. Biochim Biophys Acta 224:405-12, 14 Dec 70

Amino acid accepting activity of deacylated peptidyl-tRNA. Menninger JR. Biochim Biophys Acta 232:726-32, 8 Apr 71

The enhancing effect of ionic strength and MgC12 on the rate of the non-enzymic hydrolysis of N-blocked aminoacyl-tRNA's. Novogrodsky A. Biochim Biophys Acta 228:688-92, 11 Feb 71

Reconstitution of yeast phenylalanine tRNA after fragmentation with ribonuclease T1. Schmidt J, et al. Biochim Biophys Acta 213:539-41, 8 Aug 70

Synthesis and conformational properties of diribonucleoside monophosphates containing modified nucleosides as found in transfer RNA. Schweizer MP, et al. Biochim Biophys Acta 232:217-26, 11 Mar 71

Cleavage of Escherichia coli tyrosine tRNA-2 in the S-region and its effects on the structure and function of the reconstituted molecules. Seno T, et al. Biochim Biophys Acta 228:141-52, 1 Jan 71

Inhibition of transfer RNA methylases by bull semen. I. Localization, identification and properties of the inhibitor. Sheid B, et al. Biochim Biophys Acta 224:382-90, 14 Dec 70

Studies on nucleic acids of living fossils. II. Transfer RNA from the brachiopod lingula. Shimizu N, et al. Biochim Biophys Acta 232:278-88, 11 Mar 71

Enzymic conversion of tRNA precursor to 4-S RNA in vitro. Smillie EJ, et al. Biochim Biophys Acta 213:248-50, 16 Jul 70

Aminoacylation and polypeptide synthesis with tRNA lacking ribothymidine. Svensson I, et al. Biochim Biophys Acta 238:331-7, 13 May 71

Conformaticnal changes of nucleic acids in methanol-water solutions at low temperature. Travers F, et al. Biochim Biophys Acta 217:1-6, 17 Sep 70

Structural studies on a yeast glutamic acid tRNA-specific to GAA codon. Yoshida M, et al. Biochim Biophys Acta 228:153-66, 1 Jan 71

Decay of transfer and total RNA in maturing reticulocytes. Zehavi-Willner T, et al. Biochim Biophys Acta 238:439-46, 27 May 71

Protein synthesis at high temperatures: aminoacylation of tRNA. Zeikus JG, et al. Biochim Biophys Acta 228:736-45, 11 Feb 71

Circular dichroism of transfer ribonucleic acid. Melcher G, et al. Biochimie 53:43-6, 1971

Infrared spectra of transfer ribonucleic acids. 3. Fragments of formyl-methionine tRNA from Escherichia coli. Katsura T, et al. Biopolymers 10:681-96, 1971

Decoding site of initiator transfer RNA. Zagorska L, et al. Bull Acad R Med Belg 9:63-70, 1969

Transfer RNA and transfer RNA methyiase in human brain tumors. Viale GL. Cancer Res 31:605-8, May 71

Summary of symposium on transfer RNA and transfer RNA modification in differentiation and neoplasia. Zamecnik PC. Cancer Res 31:716-21, May 71 (87 ref.)

Isolation and stoichiometry of beef pancreas tryptophanyl-tRNA synthetase complexes with tryptophan and tryptophanyladenylate. Dorizzi M, et al. Eur J Biochem 19:563-72, 30 Apr 71

Transfer ribonucleic acid from Mycoplasma laidlawii A. Feldmann H, et al. Eur J Biochem 18:573-81, Feb 71

Nucleotide sequences of rat liver serine-tRNA. 3. The partial enzymatic of serine-tRNA and derivation of its total primary structure. Ginsberg T, et al. Eur J Biochem 21:249-57, 29 Jul 71

Partial nuclease digestion of transfer ribonucleic acids and aminoacylated transfer ribonucleic acids. Hänggi UJ, et al. Eur J Biochem 18:496-502, Feb 71

Polymorphism of serine specific transfer ribonucleic acid. Paradies HH. Eur J Biochem 18:530-5, Feb 71

Influence of counterions on the radius of gyration of phenylalanine specific transfer RNA as determined by small angle x-ray studies. Pilz I, et al. Eur J Biochem 18:436-41, 1 Feb 71

Kinetic study of the three conformational transitions of alanine specific transfer RNA from yeast. Riesner D, et al. Eur J Biochem 15:85-91, Jul 70

Nucleotide sequences of rat liver serine-tRNA. 1. Products of digestion with pancreatic ribonuclease. Rogg H, et al. Eur J Biochem 21:235-42, 29 Jul 71

Nucleotide sequences of rat liver serine-tRNA. 2. The products of digestion with ribonuclease T. Rogg H, et al. Eur J Biochem 21:243-8, 29 Jul 71

The coupling of conformational transitions in alanine specific transfer ribonucleic acid from yeast studied by a modified differential absorption technique. Römer R, et al. Eur J Biochem 15:77-84, Jul 70

Stereochemistry of nucleic acids and their constituents. XV. Crystal and molecular structure of 2-thiocytidine dihydrate, a minor constituent of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

transfer ribonucleic acid. Lin GH, et al. J Am Chem Soc 93:1235-41, 10 Mar 71
Studies on transfer ribonucleic acids and related compounds. 3. Synthesis of hexanucleotide having the sequence of the yeast alanine transfer ribonucleic acid 3' end. Otsuka E, et al. J Am Chem Soc 93:2296-301, 5 May 71
Methionine-mediated repression in Saccharomyces cerevisiae: a pleiotropic regulatory system involving methionyl transfer ribonucleic acid and the product of gene eth2. Cherest H, et al. J Bacteriol 106:758-72, Jun 71
Interaction between histidyl transfer ribonucleic acid and the first enzyme for histidine biosynthesis of Salmonella typhimurium. Kovach JS, et al. J Bacteriol 104:787-92, Nov 70
Evidence that tryptophanyl transfer ribonucleic acid is not the corepressor of the tryptophan operon of Escherichia coli. Mosteller RD, et al. J Bacteriol 105:268-75, Jan 71
Effect of tetranucleoside triphosphates on the binding of aminoacyl transfer RNA to ribosomes. Saito M, et al. J Biochem (Tokyo) 69:977-81, May 71
The biosynthesis of 4-thiouridylate. Separation and purification of two enzymes in the transfer ribonucleic acid-sulfurtransferase system. Abrell JW, et al. J Biol Chem 246:294-301, 25 Jan 71
Reactions at the 3' terminus of transfer ribonucleic acid. A single enzyme catalyzes the incorporation of adenosine monophosphate and cytidine monophosphate into transfer ribonucleic acid. Deutscher MP. J Biol Chem 245:4225-7, 25 Aug 70
The interaction of phenylalanyl transfer ribonucleic acid synthetase and phenylalanine transfer ribonucleic acid. Complex formation and resulting fluorescence quenching. Farrelly JG, et al. J Biol Chem 246:1266-70, 10 Mar 71
Endonuclease I of Proteus mirabilis. Properties of the noncomplexed and transfer ribonucleic acid-complexed forms of the enzyme. Goebel W, et al. J Biol Chem 246:3857-62, 25 Jun 71
Further evidence for a single leucyl transfer ribonucleic acid synthetase capable of charging five leucine transfer ribonucleic acids in Escherichia coli. Kan J, et al. J Biol Chem 246:2307-10, 10 Apr 71
Studies on rat liver phenylalanyl transfer ribonucleic acid synthetase. I. Purification, stabilization, and complex formation. Lanks KW, et al. J Biol Chem 246:3494-9, 10 Jun 71
Studies on methyl-deficient methionine transfer ribonucleic acid from Escherichia coli. Marmor JB, et al. J Biol Chem 246:3464-73, 10 Jun 71
Transfer ribonucleic acid nucleotidyltransferase from Escherichia coli. 3. Kinetic analysis. Miller JP, et al. J Biol Chem 246:1280-4, 10 Mar 71
Transfer ribonucleic acid nucleotidyltransferase from Escherichia coli. II. Purification, physical properties, and substrate specificity. Miller JP, et al. J Biol Chem 246:1274-9, 10 Mar 71
A comparative study of the interactions of Escherichia coli leucyl-, seryl-, and valyl-transfer ribonucleic acid synthetases with their cognate transfer ribonucleic acids. Myers G, et al. J Biol Chem 246:4955-64, Aug 71
Specificity of the valyl ribonucleic acid synthetase from Escherichia coli in the binding of valine analogues. Owens SL, et al. J Biol Chem 245:5515-23, 10 Nov 70
A conformational study of yeast phenylalanine transfer ribonucleic acid. Robison B, et al. J Biol Chem 246:110-7, 10 Jan 71
Effect of cleaving the dihydrouridine loop and the ribothymidine loop on the amino acid acceptor activity of yeast phenylalanine transfer ribonucleic acid. Schmidt J, et al. J Biol Chem 245:5743-50, 10 Nov 70
The function of pseudouridylic acid in transfer ribonucleic acid. IV. Cyanoethylation of fragments of Escherichia coli formylmethionine transfer ribonucleic acid and reconstitution of acceptor activity. Siddiqui MA, et al. J Biol Chem 245:4409-13, 10 Sep 70
Proton magnetic relaxation study of the manganese-transfer-RNA complex. Danchin A, et al. J Chem Phys 53:3599-609, 1 Nov 70
Inhibition of antigodies binding polyinosinic-polycytidylic acid in human and mouse lupus sera by viral and synthetic ribonucleic acids. Talal N, et al. J Clin Invest 50:1248-52, Jun 71
Suppressor transfer RNAs and their use in the study of tRNA structure and function. Smith JD. J Gen Microbiol 63:11, Nov 70
Studies of fractionated HeLa cell metaphase chromosomes. II. chromosomal distribution of sites for transfer RNA and 5 s RNA. Aloni Y, et al. J Mol Biol 56:555-63, 28 Mar 71
Identification of an ochre-suppressing anticodon. Altman S, et al. J Mol Biol 56:195-7, 28 Feb 71
Studies on the structure of ribosomes. IV. Participation of aminoacyl-transfer RNA and peptidyl-transfer RNA in the association of ribosomal subparticles. Belitsina NV, et al. J Mol Biol 52:45-55, 28 Aug 70
Glycine transfer RNA of Escherichia coli. II. Impaired GGA-recognition in strains containing a genetically altered transfer RNA; reversal by a secondary suppressor mutation. Carbon J, et al. J Mol Biol 52:571-84, 28 Sep 70
Suppression of UGA codon by a tryptophan tRNA. Chan TS, et al. J Mol Biol 56:101-16, 28 Feb 71
Duplication of the structural gene for glycyl-transfer RNA synthetase in Escherichia coli. Folk WR, et al. J Mol Biol 58:595-610, 14 Jun 71
Proportion of HeLa cell genome complementary to transfer RNA and 5 s RNA. Hatlen L, et al. J Mol Biol 56:535-53, 28 Mar 71
Translation of the UGA triplet in vitro by tryptophan transfer RNA's. Hirsh D, et al. J Mol Biol 58:459-68, 14 Jun 71
Tryptophan transfer RNA as the UGA suppressor. Hirsh D. J Mol Biol 58:439-58, 14 Jun 71
Coding specificity of Escherichia coli leucine transfer ribonucleic acids and effect of bacteriophage T2 infection. Kan J, et al. J Mol Biol 52:179-93, 14 Sep 70
Alanine acceptance and transfer by nitrous acid-modified yeast alanine transfer ribonucleic acid. May MS, et al. J Mol Biol 53:19-36, 28 Aug 70
Studies on mitochondrial tRNA from animal cells. II. Hybridization of aminoacyl-tRNA from rat liver mitochondria with heavy and light complementary strands of mitochondrial DNA. Nass MM, et al. J Mol Biol 54:187-98, 14 Dec 70
Base pairing of a transfer RNA minor constituent: geometry of the 1-methyl-4-thiouracil-9-methyladenine base pair. Saenger W, et al. J Mol Biol 60:87-99, 28 Aug 71
Structure and function of Escherichia coli formylmethionine transfer RNA. II. Effect of modification of guanosine residues on aminoacyl synthetase recognition. Schulman LH. J Mol Biol 58:117-31, 28 May 71
Mechanism of suppression in Drosophila: a change in tyrosine transfer RNA. Twardzik DR, et al. J Mol Biol 57:231-45, 28 Apr 71
Transfer of tumor-specific immunity with RNA: inhibition of growth of murine tumor isografts. Ramming KP, et al. J Natl Cancer Inst 46:735-50, Apr 71
Proposed detailed structural model for tRNA and its geometric relationship to a messenger. Abraham DJ. J Theor Biol 30:83-91, Jan 71
Aminoacyl-transfer RNA synthetase recognition cod-words in yeast transfer RNA's: a proposal. Bhargava PM, et al. J Theor Biol 29:447-69, Dec 70
The effect of poly rI:rC on sRNA methylase activity in normal and leukemic mouse spleens. Meier H, et al. Life Sci [II] 9:641-51, 8 Jun 70
Non-enzymatic hydrolysis of transfer RNA by bull semen. Sheid B, et al. Life Sci [II] 10:919-25, 22 Aug 71
Genetic studies on temperature sensitive nonsense suppression. Gallucci E, et al. Mol Gen Genet 106:362-70, 1970
Isolation of tyrosine tRNA precursor molecules. Altman S. Nature [New Biol] 229:19-21, 6 Jan 71
Role of an isoacceptor transfer ribonucleic acid as an enzyme inhibitor: effect on tryptophan pyrrolase of Drosophila. Jacobson KB. Nature [New Biol] 231:17-9, 5 May 71
Localization of two recognition sites in yeast valine tRNA I. Mirzabekov AD, et al. Nature [New Biol] 229:21-2, 6 Jan 71
Chemical modifications of transfer RNA species. Desulfurization with Raney nickel. Hecht SM, et al. Proc Natl Acad Sci USA 68:48-51, Jan 71
High-resolution x-ray diffraction patterns of crystalline transfer RNA that show helical regions. Kim SH, et al. Proc Natl Acad Sci USA 68:841-5, Apr 71
On the recognition of tRNA by its aminoacyl-tRNA ligase. Chambers RW. Progr Nucleic Acid Res Mol Biol 11:489-525, 1971 (72 ref.)
Reaction of aminoacyl-tRNA synthetases with heterologous tRNA's. Jacobson KB. Progr Nucleic Acid Res Mol Biol 11:461-88, 1971 (71 ref.)
Binding of (3H)- phenylalanyl-t-RNA to nucleoprotein particles derived from rat liver polysomes via T1-ribonuclease treatment. Hawtrey AO. S Afr J Med Sci 35:33-5, Jul 70
Cross-linked transfer RNA functions in all steps of the translation process. Chaffin LJ, et al. Science 172:854-5, 21 May 71
X-ray diffraction patterns of transfer RNA consistent with the presence of short parallel helices in the molecule. Sakurai T, et al. Science 172:1234-7, 18 Jun 71
Molecular conformation of dihydrouridine: puckered base nucleoside of transfer RNA. Sundaralingam M, et al. Science 172:725-7, 14 May 71
Aminoacyl-tRNA-protein transferases: a novel class of enzymes catalyzing peptide bond formation. Soffer RL. Trans NY Acad Sci 32:974-88, Dec 70
[The photochemistry of polynucleotides. V. Studies on 4-thiouridine-containing polymers] Pochon F, et al. Biochim Biophys Acta 238:49-56, 1 Jan 71 (Fre)
[Peptidyl-tRNA hydrolase: demonstration in various organisms. Enzymatic activity in the presence of ribosomes] Brun G, et al. Biochimie 53:225-31, 1971 (Fre)
[Contamination of soluble ribonucleic acids of immature seeds of Zea mays by a phenol-carboxylic acid] Seigle-Murandi F, et al. C R Soc Biol (Paris) 164:1728-32, 1970 (Fre)
[Structure and function of transfer RNA] Takemura S. J Jap Biochem Soc 43:135-61, Mar 71 (272 ref.) (Jap)
[Symposium; T-RNA] Tsuboi M, et al. J Jap Biochem Soc 42:394-6, Aug 70 (Jap)
[Conformation of transfer RNA: active and inactive forms] Ishida T. Protein Nucleic Acid Enzyme (Tokyo) 16:96-104, Feb 71 (28 ref.) (Jap)
[Effect of intermediate particle charge on the alkylation of transport RNA by 2-chlorethylamines] Grineva NI, et al. Dokl Akad Nauk SSSR 194:331-4, 1970 (Rus)
[Specificity of phenylalanine-tRNA-synthetase from Escherichia coli MRE-600 to fluorinated analogs of phenylalanine] Knorre DG, et al. Dokl Akad Nauk SSSR 195:735-7, 1970 (Rus)
[Kinetics and specificity of reactions catalyzed by aminoacyl-tRNA-synthetases] Knorre DG. Izv Akad Nauk SSSR [Biol] 6:838-46, Nov-Dec 70 (Rus)
[Functional and structural peculiarities of transfer RNA in protein biosynthesis in some physiological states in animals] Matsuka GKh, et al. Ukr Biokhim Zh 42:217-26, 1970 (Ukr)

ANALYSIS

Chromatographic differences between the cytoplasmic and the mitochondrial t-RNA of Saccharomyces cerevisiae. Accoceberry B, et al. Biochem Biophys Res Commun 42:1235-43, 19 Mar 71
The nucleotide sequence of two leucine tRNA species from Escherichia coli K12. Blank HU, et al. Biochem Biophys Res Commun 43:1192-7, 4 Jun 71
Absence of thiolated nucleotides in ribosomal RNA of E. coli. Champney WS, et al. Biochem Biophys Res Commun 41:1328-34, 9 Dec 70
Identification of two lysine tRNA cistrons in Bacillus subtilis by hybridization of lysyl-tRNA with DNA. Chuang R, et al. Biochem Biophys Res Commun 43:710-6, 21 May 71
Cytokinin activity in tRNA-Phe. Hecht SM, et al. Biochem Biophys Res Commun 41:435-40, 23 Oct 70
Four-thiourscil content of chicken liver mitochondrial transfer ribonucleic acid. Lalyre Y, et al. Biochem Biophys Res Commun 42:926-31, 5 Mar 71
The isolation and characterization of N-[9-(beta-D-ribofuranosyl)-purin-6-ylcarbamoyl]glycine from yeast transfer RNA. Schweizer MP, et al. Biochem Biophys Res Commun 40:1046-52, 10 Sep 70
The sequence of nucleotides in tRNA Ile from E. coli B. Yarus M, et al. Biochem Biophys Res Commun 43:729-34, 21 May 71
Anticodon structure of GAA-specific glutamic acid tRNA from yeast. Yoshida M, et al. Biochem Biophys Res Commun 39:852-7, 5 Jun 70
Studies on thio-bases in rat liver transfer ribonucleic acid. Agarwal MK. Biochem J 119:61P, Oct 70
Quantitative measurement of isoprenoid nucleosides in transfer ribonucleic acid. Babcock DF, et al. Biochemistry 9:3701-5, 15 Sep 70
Transfer ribonucleic acids in rat liver and Morris 5123 minimal deviation hepatoma. Gonano F, et al. Biochemistry 10:900-8, 2 Mar 71
The use of the cetyltrimethylammonium cation in terminal sequence analyses of ribonucleic acids. Khym JX, et al. Biochemistry 7:422-6, Jan 68
Alterations in specific transfer ribonucleic acids in a spectrum of hepatomas. Srinivasan D, et al. Biochemistry 10:1966-73, 25 May 71
Chromatographic comparison of the transfer ribonucleic acids of rat livers and Morris hepatomas. Volkers SA, et al. Biochemistry 10:488-97, 2 Feb 71
Differential labelling of the carboxymethyl and methyl substituents of 5-carboxymethyluridine methyl ester, a trace nucleoside constituent of yeast transfer RNA. Tumaitis TD, et al. Biochim Biophys Acta 224:391-403, 14 Dec 70
In vitro transfer RNA methylation in paired neoplastic and nonneoplastic cell cultures. Gantt RR. Cancer Res 31:609-12, May 71
Transfer RNA specificity in mammalian tissues and codon responses of seryl transfer RNA. Hatfield D, et al. Cancer Res 31:697-700, May 71
Patterns of isoaccepting phenylalanine transfer RNA in human leukemia and lymphoma. Mittelman A. Cancer Res 31:647-50, May 71
Application of a tritium derivative method to human brain and brain tumor transfer RNA analysis. Randerath K. Cancer Res 31:658-61, May 71
Transfer RNA's of embryonic tissue. Rennert OM. Cancer Res 31:637-8, May 71
Transfer RNA modifications and synthesis in animal cells. Taylor MW, et al. Cancer Res 31:688-93, May 71
Benzoylated diethylaminoethyl cellulose chromatography of tumor and nontumor transfer RNA. Taylor MW. Cancer Res 30:2463-9, Oct 70
Automated sequential degradation of ribonucleic acids. Uziel M, et al. Clin Chem 17:740-4, Aug 71
Temperature-jump relaxation studies on transfer ribonucleic acids. Valine and tyrosine-specific tRNAs

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

from Escherichia coli. Dourlent M, et al. Eur J Biochem 19:108-14, 1 Mar 71
Comparison of methyl-labeled tRNA in a neoplastic cell line with a paired non-neoplastic control. Quinn CE, et al. Exp Mol Pathol 13:231-41, Oct 70
The primary structure of transfer ribonucleic acid. Staehelin M. Experientia 27:1-11, 15 Jan 71
Structure of the fluorescent Y base from yeast phenylalanine transfer ribonucleic acid. Nakanishi K, et al. J Am Chem Soc 92:7617-9, 30 Dec 70
A new crystal form of formylmethionine transfer RNA from Escherichia coli. Morikawa K, et al. J Biochem (Tokyo) 69:239-41, Jan 71
Isolation of mutants of Escherichia coli lac king 5-methyluracil in transfer ribonucleic acid or 1-methylguanine in ribosomal RNA. Björk GR, et al. J Mol Biol 51:83-100, 14 Jul 70
Transfer RNA species in normal and leukemic human lymphoblasts. Gallo RC, et al. J Mol Biol 52:195-219, 14 Sep 70
RNA synthesis in cells infected with herpes simplex virus. 3. Absence of virus-specified arginyl- and seryl-tRNA in infected HEp-2 cells. Morris VL, et al. J Mol Biol 52:247-63, 14 Sep 70
Glycine transfer RNA of Escherichia coli. I. Structural genes for two glycine tRNA species. Squires C, et al. J Mol Biol 52:557-69, 28 Sep 70
Fractionation of goldfish brain aminoacyl-transfer RNA at the microgram level. Kapplan BB, et al. J Neurochem 18:845-50, Jun 71
High resolution nuclear magnetic resonance studies of hydrogen bonded protons of tRNA in water. Kearns DR, et al. Nature (Lond) 229:338-9, 29 Jan 71
Novel species of tRNA. Stewart TS, et al. Nature (Lond) 230:36-8, 5 Mar 71
Interaction between loops 1 and 3 in the tyrosine suppressor tRNA. Cashmore T. Nature [New Biol] 230:236-9, 21 Apr 71
Codon-anticodon binding in tRNAphe. Eisinger J, et al. Nature [New Biol] 231:126-8, 26 May 71
Structure of aspartate-tRNA from brewer's yeast. Gangloff J, et al. Nature [New Biol] 230:125-6, 24 Mar 71
The yeast phenylalanyl-transfer RNA synthetase recognition site: the region adjacent to the dihydrouridine loop. Dudock B, et al. Proc Natl Acad Sci USA 68:681-4, Mar 71
Seryl-tRNA in mammalian tissues: chromatographic differences in brain and liver and a specific response to the codon, UGA. Hatfield D, et al. Proc Natl Acad Sci USA 67:1200-6, Nov 70
Identification and origin of some chloroplast aminoacyl-tRNA synthetases and tRNAs. Reger BJ, et al. Proc Natl Acad Sci USA 67:1207-13, Nov 70
Valine-specific tRNA-like structure in turnip yellow mosaic virus RNA. Yot P, et al. Proc Natl Acad Sci USA 67:1345-52, Nov 70
Nucleotide sequence of the "denaturable" leucine transfer RNA from yeast. Kowalski S, et al. Science 172:385-7, 23 Apr 71
Influence of pH on the stability of some aminoacyl transfer ribonucleic acids and their elution pattern in chromatography on columns of methylated albumin adsorbed on kieselguhr. Lodemann E, et al. Z Naturforsch [B] 25:845-8, Aug 70
[Preparation and properties of mitochondrial transfer ribonucleic acids from the yeast Saccharomyces cerevisiae] Accoceberry B, et al. Bull Soc Chim Biol (Paris) 52:113-23, 31 Mar 70 (Fre)
[Multiple transfer ribonucleic acids for leucine in the rat liver] Vescia A. Boll Soc Ital Biol Sper 45:638-41, 31 May 69 (Ita)

ANTAGONISTS & INHIBITORS

The effect of diethyl pyrocarbonate on the biological activity of messenger RNA and transfer RNA. Denić M, et al. Acta Chem Scand 24:3753-5, 1970
Possible inhibitory effect of teichoic acid on Bacillus subtilis transfer ribonucleic acid. Youatt J, et al. Biochem J 119:317-21, Sep 70

BIOSYNTHESIS

Studies with tRNA adenylyl(cytidylyl)transferase from Escherichia coli B. II. Regulation of AMP and CMP incorporation into tRNApCpC and tRNApC. Best AN, et al. Arch Biochem Biophys 142:539-47, Feb 71
Absence of amino acid hydroxamate formation in aminoacyl transfer RNA formation stimulated by spermine. Takeda Y, et al. Biken J 13:395-7, Dec 70
Presumed anticodon structure of glutamic acid tRNA from E. coli: a possible location of a 2-thiouridine derivative in the first position of the anticodon. Oashi Z, et al. Biochem Biophys Res Commun 40:866-72, 24 Aug 70
Evidence for the early synthesis of T4 bacteriophage-coded transfer RNA. Scherberg NH, et al. Biochem Biophys Res Commun 40:919-24, 24 Aug 70
N6-(delta 2-isopentenyl) adenosine: a heterologous system for in vitro synthesis in E. coli B transfer RNA. Vickers JD, et al. Biochem Biophys Res Commun 41:741-7, 9 Nov 70
Effect of cortisone on transfer ribonucleic acid and aminoacyl-transfer-ribonucleic acid synthetases in rat liver. Agarwal MK, et al. Biochem J 118:31P, Jun 70
Inhibition of peptide-chain initiation in Escherichia coli by hydroxylamine and effects on ribonucleic acid synthesis. Klein A, et al. Biochemistry 9:4542-9, 10 Nov 70
N-formylmethionyl-tRNA of wheat chloroplasts. Its synthesis by a wheat transformylase. Leis JP, et al. Biochemistry 10:889-94, 2 Mar 71
The incorporation of mevalonic acid into the N6-(delta 2-isopentenyl) adenosine of transfer ribonucleic acid in Lactobacillus acidophilus. Peterkofsky A. Biochemistry 7:472-82, Jan 68
Kinetics of synthesis of cytoplasmic RNA with transfer properties in cultures of adrenal tumor cells. Friedlander A, et al. Biochim Biophys Acta 213:101-14, 16 Jul 70
Incorporation of 32P into ribosomal RNA, transfer RNA and inositol hexaphosphate in germinating pea cotyledons. Hewish DR, et al. Biochim Biophys Acta 228:509-16, 28 Jan 71
The biosynthesis of inosinic acid in transfer RNA. Kammen HO, et al. Biochim Biophys Acta 213:352-64, 8 Aug 70
Occurrence of cysteinyl transfer ribonucleic acid with a blocked alpha-amino group in rabbit reticulocytes. Pawelek J, et al. Biochim Biophys Acta 232:289-305, 11 Mar 71
Studies on synthesis and modification of transfer RNA. Gefter ML, et al. Cancer Res 31:667-70, May 71
Methylation and synthesis of transfer ribonucleic acid in synchronized Chinese hamster fibroblasts. Tidwell T, et al. Exp Cell Res 64:350-4, Feb 71
Synthesis of specific transfer ribonucleic acids during methionine starvation in Escherichia coli 113-3. Huang HH, et al. J Mol Biol 59:307-18, 28 Jul 71
The synthesis of soluble-RNA in developing pre-implantation mouse embryos cultured in vitro in the presence of 14C-labelled pyruvate, glucose and carbon dioxide. Murdoch RN, et al. J Reprod Fertil 24:287-90, Feb 71
Enzymatic modification of transfer RNA. Söll D. Science 173:293-9, 23 Jul 71 (77 ref.)
[Increase in organizer cistrons for 5S RNA and transfer RNA in small Xenopus laevis oocytes] Wegnez M, et al. Arch Int Physiol Biochim 79:215-7, Jan 71 (Fre)
[tRNA's from yeast having incorporated 5-fluorouracil arising from in vivo deamination of 5-fluorocytosine] Giege R, et al. Bull Soc Chim Biol (Paris) 52:135-44, 31 Mar 70 (Fre)
[Heterogeneity of leucine t-RNA of mammae during lactation and involution] El'skaia AV, et al. Ukr Biokhim Zh 42:607-10, 1970 (Ukr)

BLOOD

Differences in methionyl- and arginyl-tRNA'S of larval and adult bullfrogs. DeWitt W. Biochem Biophys Res Commun 42:266-70, 22 Jan 71

CHEMICAL SYNTHESIS

Peptidyl-tRNA. XI. The chemical synthesis of phenylalanine-containing oligopeptidyl-tRNA. Groot N de, et al. Biochim Biophys Acta 213:115-23, 16 Jul 70
Chemically modified phenylalanine transfer ribonucleic acid from yeast. Synthesis and properties of tRNA Phe-C-Cs-A and the effect of adenosine 5'-O-(1-thiotriphosphate) on the activation of phenylalanine. Schlimme E, et al. Eur J Biochem 14:351-6, Jun 70

CLASSIFICATION

Studies on nucleic acids of living fossils. 3. A classification of transfer ribonucleic acids by the elution profiles on gel filtration and sedimentation profiles on sucrose density gradient. Shimizu N. J Biochem (Tokyo) 69:761-70, Apr 71

ISOLATION & PURIFICATION

Purification of yellow lupin seed tRNA's specific for isoleucine and some other amino acids. Legocki AB, et al. Acta Biochim Pol 17:99-110, 1970
Solvent extraction of transfer ribonucleic acids. Egan BZ, et al. Anal Biochem 38:139-47, Nov 70
A modified procedure for large-scale preparation of beef liver tRNA. Robison B, et al. Anal Biochem 37:11-20, Sep 70
Isolation of tRNA-Phe-yeast half-molecules by gel filtration and chromatography on benzoylated DEAE-cellulose at high temperature. Schmidt J, et al. Biochem Biophys Res Commun 41:1261-6, 9 Dec 70
Effect of divalent metal ions on the reversed-phase chromatographic separation of transfer ribonucleic acids. Kelmers AD. Biochemistry 9:4401-4, 27 Oct 70
Fractionation of the nonpolar transfer ribonucleic acids from rat liver, yeast, and Escherichia coli by partition chromatography. Wehrli W, et al. Biochemistry 10:1878-85, 11 May 71
The use of conformational changes to purify tryptophan tRNA from Escherichia coli. Ishida T, et al. Biochim Biophys Acta 217:209-11, 17 Sep 70
Structure of serine tRNA from Escherichia coli. I. Purification of serine tRNA's with different codon responses. Ishikura H, et al. Biochim Biophys Acta 228:471-81, 28 Jan 71
Improved separation of transfer RNA's on polychlorotrifluoroethylene-supported reversed-phase chromatography columns. Pearson RL, et al. Biochim Biophys Acta 228:770-4, 11 Feb 71
Peptidyl-tRNA. XII. Behaviour of peptidyl-tRNA-Phe from Escherichia coli on methylated albumin silicic acid column. Ziv E, et al. Biochim Biophys Acta 228:135-40, 1 Jan 71
Aminoacyl transfer RNA profiles in human myeloma cells. Fujioka S, et al. Blood 38:246-52, Aug 71
Fractionation of tRNA on hydroxyapatite. Zimmer A, et al. Bull Soc Chim Biol (Paris) 52:867-72, 1970
Studies on transfer RNA-Phe from Morris 5123C hepatoma. Gonano F, et al. Cancer Res 31:656-7, May 71
The reversible chemical modification of valine transfer ribonucleic acid I from Torulopsis with a radioactive carbodiimide. Mizutani T. J Biochem (Tokyo) 69:841-50, Apr 71
Purification of two valine transfer ribonucleic acid species from Escherichia coli and their coding properties. Bhaduri S, et al. J Biol Chem 246:3030-6, 10 May 71
Purification of five leucine transfer ribonucleic acid species from Escherichia coli and their acylation by heterologous leucyl-transfer ribonucleic acid synthetase. Blank HU, et al. J Biol Chem 246:4947-50, Aug 71
Purification of peptidyl transfer ribonucleic acid from rabbit reticulocyte ribosomes. Siabaugh RC, et al. J Biol Chem 245:6182-9, 25 Nov 70
Simplified methylalbumin-kieselguhr colum chromatography of aminoacyl-tRNA. Garel JP, et al. J Chromatogr 56:154-7, 24 Mar 71
The separation of nucleic acids on basic polyamino acid-kieselguhr columns. Jarvis D, et al. J Chromatogr 52:158-61, 7 Oct 70
Crystallization of yeast phenylalanine transfer ribonucleic acid. Cramer F, et al. J Mol Biol 51:523-30, Aug 70
Isolation of Escherichia coli transfer RNA-gene hybrids. Marks A, et al. J Mol Biol 51:115-30, 14 Jul 70
More mutant tyrosine transfer ribonucleic acids. Smith JD, et al. J Mol Biol 54:1-14, 28 Nov 70
Detection of bacteriophage T4- and T5-coded transfer RNAs. Scherberg NH, et al. Proc Natl Acad Sci USA 67:1164-71, Nov 70
Preparation of highly labeled (32P)nucleic acids from yeasts; isolation of "denaturable" leucine acceptor transfer RNA. Kowalski S, et al. Science 172:384-5, 23 Apr 71
[Purification and properties of phenylalanyl-tRNA synthetase from baker's yeast] Fasiolo F, et al. Biochim Biophys Acta 217:305-18, 15 Oct 70 (Fre)
[Purification of a methionine tRNA from rabbit liver] Petrissant G, et al. Biochim Biophys Acta 213:223-5, 16 Jul 70 (Fre)
[Isolation of highly purified tRNAtry and tRNAasp from brewer's yeast] Keith G, et al. Bull Acad R Med Belg 9:123-5, 1969 (Fre)
[Isolation of valine tRNA1 from baker's yeast] Vasilenko SK, et al. Biokhimiia 35:424-9, May-Jun 70 (Rus)

METABOLISM

Direct method of measuring transfer ribonucleic acid binding to polyribosomes and to single ribosomes in cells of higher organisms. Kabat D. Anal Biochem 39:228-42, Jan 71
Studies on the role of factor Ts in aminoacyl-tRNA binding to ribosomes. Weissbach H, et al. Arch Biochem Biophys 141:384-6, Nov 70
Methylation of transfer RNA by monkey liver and hepatoma induced by N-nitrosodiethylamine. Waalkes TP, et al. Arch Int Pharmacodyn Ther 191:189-95, May 71
The binding of aminoacyl-tRNA and poly U to a soluble factor (S) extracted from ribosomes. Brot N, et al. Biochem Biophys Res Commun 40:698-707, 11 Aug 70
Studies on the reaction of the aminoacyl-tRNA-Tu-GTP complex with ribosomal subunits. Brot N, et al. Biochem Biophys Res Commun 41:1388-95, 24 Dec 70
Protein synthesis in rabbit reticulocytes: factors controlling terminal and internal methionine codon (AUG) recognition by methionyl tRNA species. Chatterjee NK, et al. Biochem Biophys Res Commun 43:771-9, 21 May 71
Initiator tRNA for the synthesis of globin peptides. Culp W, et al. Biochem Biophys Res Commun 40:777-85, 24 Aug 70
Incorporation of methionine from met-tRNA-Met-F into internal positions of polypeptides by mouse liver polysomes. Drews J, et al. Biochem Biophys Res Commun 43:905-12, 21 May 71
Effect of nucleotide adjacent to 3'-end of codon triplet on ribosomal binding of aminoacyl-tRNA. Furuichi Y, et al. Biochem Biophys Res Commun 41:797-803, 9 Nov 70
Initiation of protein synthesis in eukaryotes. Ghosh K, et al. Biochem Biophys Res Commun 42:462-8, 5 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The coding nature of valyl-transfer RNA binding to ribosomes during methionine starvation in E. coli 113-3. Huang HH, et al.
Biochem Biophys Res Commun 43:847-53, 21 May 71

Quantitative differences in proline tRNA content of rat liver and granulation tissue. Lanks KW, et al.
Biochem Biophys Res Commun 40:708-15, 11 Aug 70

Protein chain initiation by methionyl-tRNA. Leis JP, et al. Biochem Biophys Res Commun 40:416-21, 27 Jul 70

Streptomycin induced release of fMet-tRNA from the ribosomal initiation complex. Lelong JC, et al.
Biochem Biophys Res Commun 42:530-7, 5 Feb 71

The level of Fmt-tRNA on ribosomes from streptomycin treated cells. Lennette ET, et al.
Biochem Biophys Res Commun 41:804-11, 9 Nov 70

Properties and substrate specificity of the leucyl-, the threonyl- and the valyl-transfer-ribonucleic acid synthetases from Aesculus species. Anderson JW, et al. Biochem J 119:691-7, Oct 70

Properties and substrate specificities of the phenylalanyl-transfer-ribonucleic acid synthetases of Aesculus species. Anderson JW, et al.
Biochem J 119:677-90, Oct 70

Competing addition and hydrolysis of the cytidylylcytidylyladenosine terminal residues of transfer ribonucleic acid isolated from the non-lactating bovine mammary gland. Herrington MD, et al. Biochem J 119:323-9, Sep 70

Effect of indospicine on incorporation of L-arginine-14C into protein and transfer ribonucleic acid by cell-free systems from rat liver. Madsen NP, et al. Biochem Pharmacol 19:853-7, Mar 70

N-formylmethionyl transfer ribonucleic acid in mitochondria from Neurospora. Epler JL, et al.
Biochemistry 9:3575-9, 1 Sep 70

Anaerobiosis-induced changes in an isoleucyl transfer ribonucleic acid and the 50S ribosomes of Escherichia coli. Kwan CN, et al. Biochemistry 7:427-33, Jan 68

2'-O-methyloligoadenylates as templates for the binding of lysyl transfer ribonucleic acid to ribosomes. Price AR, et al.
Biochemistry 9:4524-9, 10 Nov 70

Effect of magnesium ions on the conformation of two highly purified yeast alanine transfer ribonucleic acids. Reeves RH, et al.
Biochemistry 9:3993-4002, 29 Sep 70

Skeletal muscle ribosome subunits and peptidyl transfer ribonucleic acid. Stirewalt WS, et al.
Biochemistry 10:1594-8, 27 Apr 71

Studies on transfer RNA population during liver regeneration in the rat. Agarwal MK, et al.
Biochim Biophys Acta 224:259-62, 12 Nov 70

Yeast lysyl-tRNA synthetase. Complex formation and heat protection by substrates. Berry SA, et al.
Biochim Biophys Acta 217:83-94, 17 Sep 70

Enzymatic methylation of transfer RNA by extracts of polyoma virus-transformed cells. Breier B, et al.
Biochim Biophys Acta 213:365-70, 8 Aug 70

Action of venom phosphodiesterase on aminoacyl-tRNA from Escherichia coli. Bruns ME, et al. Biochim Biophys Acta 217:189-91, 17 Sep 70

Estrogen-induced variation of lysine transfer ribonucleic acid isoacceptors in chicken liver. Busby WF Jr, et al.
Biochim Biophys Acta 224:413-22, 14 Dec 70

Involvement of specific ribosomal proteins in the aminoacyl-tRNA binding reaction. Cheng TC, et al.
Biochim Biophys Acta 217:555-9, 15 Oct 70

Transfer RNA changes in HeLa cells after vaccinia virus infection. Clarkson SG, et al.
Biochim Biophys Acta 238:496-502, 27 May 71

The simultaneous determination of transfer RNA and amino acid attachment to rat liver ribosomes in the presence of unfractionated supernatant. Cornwell GG 3d, et al. Biochim Biophys Acta 238:259-63, 13 May 71

Phosphorylation of dephosphorylated tRNA and oligonucleotides by polynucleotide kinase. Hänggi UJ, et al. Biochim Biophys Acta 217:278-93, 15 Oct 70

Guanylation of transfer RNA by rabbit reticulocytes. Hankins WD, et al.
Biochim Biophys Acta 213:77-89, 16 Jul 70

Effect of 5'-substitution on the template activity of oligo-nucleotides for the binding of valine and alanine tRNA to ribosomes. Holý A, et al.
Biochim Biophys Acta 217:332-45, 15 Oct 70

Changes in rat liver transfer RNA following growth hormone administration and in regenerating liver. Jackson CD, et al.
Biochim Biophys Acta 217:64-71, 17 Sep 70

Methylation of preribosomal and transfer RNA's by isolated nucleoli of the Novikoff rat tumor. Liau MC, et al. Biochim Biophys Acta 224:282-5, 12 Nov 70

Temperature effects in the formation of the initiation complex in protein synthesis: a note of caution. Lu P, et al. Biochim Biophys Acta 238:343-6, 13 May 71

A simple assay for protein chain termination using natural peptidyl-tRNA. Meaninger JR.
Biochim Biophys Acta 240:237-43, 30 Jun 71

Action of venom phosphodiesterase on transfer RNA from Escherichia coli. Miller JP, et al.
Biochim Biophys Acta 217:176-88, 17 Sep 70

The effects of diamines and polyamines on enzymic methylation of nucleic acid. Pegg AE.
Biochim Biophys Acta 232:630-42, 8 Apr 71

Evidence for the requirement of methionyl tRNA modification for in vitro polypeptide initiation in Streptococcus faecium. Sarimo SS, et al.
Biochim Biophys Acta 240:233-6, 30 Jun 71

Effect of edeine on aminoacyl-tRNA binding to ribosomes and its relationship to ribosomal binding sites. Szer W, et al.
Biochim Biophys Acta 224:477-86, 14 Dec 70

Further studies on amino acid acceptance and physical properties of tRNA-phe-yeast. Thiebe R, et al.
Biochim Biophys Acta 217:294-304, 15 Oct 70

Inactivation of Escherichia coli ribosomes by ultraviolet irradiation. 3. The activity of poly U-directed binding of phenylalanyl-tRNA. Yasuda K, et al. Biochim Biophys Acta 217:142-7, 17 Sep 70

The effect of polyamines on the methylation of Escherichia coli methyl-deficient transfer RNA by their homologous methylases. Young DV, et al.
Biochim Biophys Acta 238:447-63, 27 May 71

Acetone-sensitized inactivation of guanylyl-uridylyl-uridine (GUU) in the binding of valyl-tRNA to ribosomes. Chandra P, et al.
Biophysik 7:245-6, 1971

The transfer RNA methylases of human lymphocytes. I. Induction by PHA in normal lymphocytes. Riddick DH, et al. Blood 37:282-92, Mar 71

The transfer RNA methylases of human lymphocytes. II. Delayed induction by PHA in lymphocytes from patients with chronic lymphocytic leukemia. Riddick DH, et al. Blood 37:293-8, Mar 71

In vitro O 2 '-methylation of sugars in E. coli RNA. 3. Methylation of E. coli transfer RNA by heterologous methylases in particulate-free extracts of wheat embryo. Nichols JL, et al.
Can J Biochem 47:863-9, Sep 69

Methionine transfer RNAF: the initiator transfer RNA for hemoglobin biosynthesis. Anderson WF, et al.
Cancer Res 31:701-3, May 71

Seryl transfer RNA changes during estrogen-induced phosvitin synthesis and a unique seryl transfer RNA modification. Bernfield MR, et al.
Cancer Res 31:684-7, May 71

Analysis of 5-methyluridine function in the transfer RNA of Escherichia coli. Björk GR, et al.
Cancer Res 31:706-9, May 71

Studies on genetically altered transfer RNA species in Escherichia coli. Carbon J, et al.
Cancer Res 31:663-6, May 71

Comparative transfer RNA methylase capacity in mouse ascites tumors and in their derived tumorigenic and nontumorigenic cell cultures. Dell'Orco RT, et al. Cancer Res 31:561-5, May 71

Transfer RNA and transfer RNA methylation in growing and "resting" adult and embryonic tissues and in various oncogenic systems. Gallo RC.
Cancer Res 31:621-9, May 71

Physiological activity of derivatives of a modified component of transfer RNA, N-(nebularin-6-ylcarbamoyl)-L-threonine. Hall RH, et al. Cancer Res 31:704-5, May 71

The alkylation of transfer RNA by enzymes from embryonic, neoplastic, and ethionine-treated liver tissues. Hancock RL. Cancer Res 31:617-20, May 71

Differences in the binding of 2-Acetylaminofluorene and its N-Hydroxy metabolite to liver nucleic acids of male and female rats. Irving CC, et al.
Cancer Res 31:19-22, Jan 71

Transfer RNA and transfer RNA modification in differentiation and neoplasia. Introduction to the second part of the symposium. Neidhardt FC.
Cancer Res 31:662, May 71

Modified bases and transfer RNA function. Peterkofsky A, et al. Cancer Res 31:675-8, May 71

Initiation of malignant transformation and the significance of changes in transfer RNA methylase enzymes. Pillinger DJ, et al.
Cancer Res 31:630-2, May 71

Response of modified phenylalanine transfer RNA to recognition by phenylalanyl transfer RNA synthetase. Stulberg MP, et al. Cancer Res 31:671-4, May 71

The regulation of transfer RNA methylation in normal and neoplastic mammary cells. Turkington RW.
Cancer Res 31:644-6, May 71

Chemical carcinogens and RNA. Weinstein IB, et al.
Cancer Res 31:651-5, May 71

Isoaccepting transfer RNA's in mammalian differentiated cells and tumor tissues. Yang WK.
Cancer Res 31:639-43, May 71

Reactivities of the carcinogens, N-hydroxy-2-fluorenylacetamide and N-hydroxy-3-fluorenylacetamide, with tissue nucleophiles. Zieve FJ, et al.
Cancer Res 31:471-6, Apr 71

Changes in transfer RNA in developing brine shrimp. Bagshaw JC, et al. Dev Biol 23:23-35, Sep 70

Cooperative binding of manganese (II) to transfer RNA. Danchin A, et al. Eur J Biochem 16:532-6, Nov 70

Reaction of puromycin with chemically prepared peptidyl transfer RNA. Groot N de, et al.
Eur J Biochem 15:215-21, Aug 70

Miscoding by Escherichia coli tRNAs for methionine, cysteine and valine in the synthesis of rabbit globin. Hunter AR, et al. Eur J Biochem 15:381-90, Aug 70

The effects of heat on the interactions between leucyl-tRNA synthetases and tRNA's. Lurquin PF.
Experientia 27:131-2, 15 Feb 71

Regulation of the tRNA methylases. Sharma OK, et al.
Fed Proc 30:167-76, Jan-Feb 71

Mutants of Salmonella typhimurium with an altered leucyl-transfer ribonucleic acid synthetase. Alexander RR, et al. J Bacteriol 106:213-20, Apr 71

Interaction between the first enzyme for histidine biosynthesis and histidyl transfer ribonucleic acid. Blasi F, et al. J Bacteriol 106:508-13, May 71

Inhibition by multhiomycin of T factor- and GTP-dependent binding of phenylalanyl-tRNA to ribosomes and GTP hydrolysis associated with it. Tanaka T, et al. J Biochem (Tokyo) 69:1127-30, Jun 71

Polyphenylalanine synthesis and binding of phenylalanyl transfer ribonucleic acid by ribosomes from muscle of normal and diabetic rats. Castles JJ, et al. J Biol Chem 246:1799-805, 25 Mar 71

Preferential binding of initiator methionyl transfer ribonucleic acid from eukaryotes and bacteria to ribosomes. Monasterio O, et al.
J Biol Chem 246:1539-41, 10 Mar 71

Studies on the formation of transfer ribonucleic acid-ribosome complexes. 8. Aminoacyl oligonucleotide binding to ribosomes: characteristics and requirements. Pestka S, et al.
J Biol Chem 245:6208-19, 25 Nov 70

Evidence against the folate-mediated formylation of formyl-accepting methionyl transfer ribonucleic acid in Streptococcus faecalis R. Samuel CE, et al.
J Biol Chem 245:5115-21, 10 Oct 70

The tRNA methylases during thyroxine-induced differentiation in bull frog tadpoles. Pillinger DJ, et al. J Endocrinol 49:547-8, Mar 71

Transfer of amino acids from aminoacyl-tRNA into protein by isolated ribosomes of the house cricket. Kaulenas MS. J Insect Physiol 16:2103-17, Nov 70

Selective reaction of methoxyamine with cytosine bases in tyrosine transfer ribonucleic acid. Cashmore AR, et al. J Mol Biol 59:359-73, 28 Jul 71

Formymethionyl transfer ribonucleic acid transformylase: the specific interaction of the enzyme with its transfer ribonucleic acid substrate. Dickerman HW, et al. J Mol Biol 59:425-45, 14 Aug 71

Roles of methionine transfer RNA's in protein synthesis in rabbit reticulocytes. Gupta NK, et al.
J Mol Biol 54:145-54, 28 Nov 70

A formylatable methionine transfer ribonucleic acid from yeast: comparison of coding properties and sequences around the anticodon with Escherichia coli formylatable methionine transfer RNA. RajBhandary UL, et al. J Mol Biol 50:707-11, 28 Jun 70

Specific cleavage of an Escherichia coli leucine transfer RNA following bacteriophage T4 infection. Yudelevich A. J Mol Biol 60:21-9, 28 Aug 71

Activity of aminoacyl-transfer RNA synthetases in brain mitochondria. Borkowski T, et al.
J Neurochem 18:851-7, Jun 71

Assay of tRNA methylase enzymes in studies of malignant transformation in vitro. Pillinger DJ, et al.
Life Sci [II] 10:241-9, 8 Mar 71

Methylation of macromolecules and lipids during the release of buds from dormancy with 6-benzylaminopurine. Schaeffer GW, et al.
Life Sci [II] 10:939-45, 22 Aug 71

Transfer RNA methylases and cancer. Craddock VM.
Nature (Lond) 228:1264-8, 26 Dec 70

Aminoacylation of bisulphite-modified yeast tyrosine transfer RNA. Kučan Z, et al.
Nature [New Biol] 232:177-9, 11 Aug 71

Recognition of bacterial initiator tRNA by an initiation factor. Rudland PS, et al.
Nature [New Biol] 231:76-8, 19 May 71

1 molecule of guanosine triphosphate is present in each 30S initiation complex. Thach SS, et al.
Nature [New Biol] 229:219-21, 17 Feb 71

A translocation-associated ribosomal conformational change detected by hydrogen exchange and sedimentation velocity. Chuang D, et al.
Proc Natl Acad Sci USA 68:1474-8, Jul 71

Specific binding of leucyl transfer RNA to an immature form of L-threonine deaminase: its implications in repression. Hatfield GW, et al.
Proc Natl Acad Sci USA 66:1027-35, Aug 70

Uptake of transfer ribonucleic acid by normal and leukemic cells. Herrera F, et al.
Proc Natl Acad Sci USA 67:1943-50, Dec 70

Release of tRNA from ribosomes by a factor other than G factor. Ishitsuka H, et al.
Proc Natl Acad Sci USA 66:168-73, May 70

Protein chain initiation by methionyl-tRNA in wheat embryo. Marcus A, et al.
Proc Natl Acad Sci USA 67:1681-7, Dec 70

Specific transformylation of one methionyl-tRNA from cotton seeding chloroplasts by endogenous and Escherichia coli transformylases. Merrick WC, et al.
Proc Natl Acad Sci USA 68:641-4, Mar 71

Uptake of exogenous tRNA by Novikoff hepatoma ascites cells. Crooke ST, et al.
Proc Soc Exp Biol Med 137:837-46, Jul 71

Transfer RNA methylase alterations in polyoma transformed rat embryo culture cells. Gallagher RE, et al. Proc Soc Exp Biol Med 136:819-23, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ribosome-catalyzed polyester formation. Fahnestock S, et al. Science 173:340-3, 23 Jul 71
Specialization of rabbit reticulocyte transfer RNA content for hemoglobin synthesis. Smith DW, et al. Science 171:577-9, 12 Feb 71
Changes in the methylation of transfer RNA in vaccinia infected HeLa cells. Klagsbrun M. Virology 44:153-67, Apr 71
[Hormonal regulation at the level of transfer RNA. I. Comparative study of transfer RNA from the liver of immature hens and laying hens] Beck G, et al. Biochim Biophys Acta 213:55-67, 16 Jul 70 (Fre)
[Hormonal regulation at the level of transfer RNA. II. Comparative study of transfer RNA from normal and hypophysectomized rat liver] Beck JP, et al. Biochim Biophys Acta 213:68-76, 16 Jul 70 (Fre)
[Study of the complex between tRNA-phe and phenylalanine-tRNA synthetase from yeast] Befort N, et al. Biochim Biophys Acta 217:319-31, 15 Oct 70 (Fre)
[Functional adaptation of tRNA to proteinic biosynthesis in a highly differentiated cellular system. I. Demonstration in the crystalline lens] Garel JP, et al. Bull Soc Chim Biol (Paris) 52:987-1006, 1970 (Fre)
[Radiation effect on the activity of cotton aminoacyl-tRNA-synthetases and tRNA] Karakuziev U, et al. Radiobiologiia 10:815-9, Nov-Dec 70 (Rus)
[Activation of lysine and aminoacylation of tRNA under the effect of lysyl-tRNA-synthetase from liver of rats subjected to whole-body roentgen irradiation] Khanson KP, et al. Radiobiologiia 11:32-6, Jan-Feb 71 (Rus)
[Possibility of existence in animal tissues of different conformation forms of t-RNA, differing by ability to accept amino acids] Matsuka GKh, et al. Ukr Biokhim Zh 42:24-7, 1970 (Ukr)
[Comparative study of glycine- and leucyne-t-RNA in the liver of gophers in sleep and wakefulness by MAK chromatography] Nedovesova ZP, et al. Ukr Biokhim Zh 43:229-33, Mar-Apr 71 (Ukr)

PHARMACODYNAMICS

Transfer RNA-primed oligoadenylate synthesis in maize seedlings. I. Requirements of the reaction and nature of the product with crude enzyme. Walter TJ, et al. Biochim Biophys Acta 217:72-82, 17 Sep 70
Stimulation of hemoglobin synthesis in developing chick blastodisc blood islands by a minor alanine-specific transfer RNA. Wainwright SD. Cancer Res 31:694-6, May 71
The effects of ribaminol on the acquisition of a conditioned avoidance response in rats. Potts WJ. Life Sci [I] 10:655-60, 1 Jun 71
Soluble RNA-treated autogeneic lymphocytes. Effect on canine renal allografts. Hamby WM, et al. Transplantation 11:575-8, Jun 71

RADIATION EFFECTS

Photochemistry of 4-thiouridine in Escherichia coli transfer RNA1Val. Favre A, et al. J Mol Biol 58:367-79, 28 May 71
Biological activity of irradiated tRNA Val containing a 4-thiouridine-cytosine dimer. Yaniv M, et al. J Mol Biol 58:381-8, 28 May 71
[Effect of ionizing radiation on the process of activation of lysine and aminoacylation of tRNA by lysil-tRNA-synthetase from rat liver] Khanson KP, et al. Radiobiologiia 9:668-70, Sep-Oct 69 (Rus)

RNA, TRANSFER see RNA, SOLUBLE (D10)

RNA, VIRAL (D10)

Effect of diethyl pyrocarbonate on the biological activity of intact TMV and TMV-RNA. Gulyás A, et al. Acta Biochim Biophys Acad Sci Hung 5:235-8, 1970
Structure and assembly of simple RNA bacteriophages. Hohn T, et al. Adv Virus Res 16:43-98, 1970 (163 ref.)
Myxovirus ribonucleic acids. Blair CD, et al. Annu Rev Microbiol 24:539-74, 1970 (185 ref.)
Fate of RNA-labeled avian reovirus in infected cells. Sekiguchi K, et al. Arch Gesamte Virusforsch 33:17-26, 1971
Reaction of formaldehyde with viral MS2-RNA at low pH. Siegers H, et al. Arch Int Physiol Biochim 78:177-8, Feb 70
DNA-RNA hybridization at low temperature in the presence of urea. Kourilsky P, et al. Biochem Biophys Res Commun 41:1080-7, 25 Nov 70
Complementary regions to tobacco mosaic virus RNA in host DNA. Siegel A, et al. Biochem Biophys Res Commun 40:350-5, 27 Jul 70
Double-helical character of ribonucleic acid from virus-like particles found in Penicillium chrysogenum. Cox RA, et al. Biochem J 120:549-58, Dec 70
Conformation of nucleic acids and the analysis of the hypochromic effect. Cox RA. Biochem J 120:539-47, Dec 70
Effects of dimethyl sulfoxide on the degradation of ribonucleic acid catalyzed by alkali. Bartolomé J, et al. Biochemistry 9:4509-13, 10 Nov 70
Secondary structure and interaction of RNA and protein in a bacteriophage. Isenberg H, et al. Biochim Biophys Acta 232:184-91, 25 Feb 71
The mechanism of Q replication: sequence at the 5' terminus of a 6-S RNA template. Kacian DL, et al. Biochim Biophys Acta 238:212-23, 13 May 71
Interaction of formate esters with viral RNA and viral polymerase. Oberg B. Biochim Biophys Acta 232:107-16, 25 Feb 71
The reversible reaction of brome grass mosaic virus and its RNA with mercuric ions. Pfeiffer P, et al. Biochim Biophys Acta 228:456-70, 28 Jan 71
Production and characterisation of a viral RNA-dependent RNA polymerase induced in Escherichia coli Q. 13 by infection with bacteriophage Q . Sargeant K, et al. Biochim Biophys Acta 238:475-82, 27 May 71
Studies on bacteriophage MS2. 8. Evidence for dimer formation of MS2 RNA by reaction with formaldehyde at acidic pH. Siegers H, et al. Biopolymers 9:1373-89, Nov 70
Binding of aminoacyl-tRNA to ribosomes programmed with bacteriophage MS2-RNA. Voorma HO, et al. Eur J Biochem 18:451-62, Feb 71
Coat protein repression of bacteriophage M12 RNA directed polysome formation. Ward R, et al. Eur J Biochem 17:106-15, Nov 70
Nucleotide sequence of a ribonucleic acid transcribed in vitro from lambda phage deoxyribonucleic acid. Lebowitz P, et al. J Biol Chem 246:5120-39, Aug 71
Polar reconstitution of tobacco mosaic virus (TMV). Ono T, et al. J Child Psychol Psychiatry 12:510-6, Jun 71
Detection and properties of a genomic masked viral particle consisting of foot-and-mouth disease virus nucleic acid in bovine enterovirus protein capsid. Trautman R, et al. J Child Psychol Psychiatry 12:537-43, Jun 71
Viruslike particles associated with an isolate of Penicillium brevi-compactum. Wood HA, et al. J Child Psychol Psychiatry 12:592-8, Jun 71
Inhibition of antigodies binding polyinosinic-polycytidylic acid in human and mouse lupus sera by viral and synthetic ribonucleic acids. Talal N, et al. J Clin Invest 50:1248-52, Jun 71
Molecular weight of rhinovirus ribonucleic acid. Brown F, et al. J Gen Virol 8:145-8, Aug 70
Characterization of foot-and-mouth disease virus ribonucleic acid synthesized in vitro. Dietzschold B, et al. J Gen Virol 8:73-6, Jul 70
Denaturation of Sindbis virus RNA with dimethyl sulphoxide. Dobos P, et al. J Gen Virol 10:103-6, Jan 71
Hybridization studies with the RNA of the WS strain of influenza virus and its neurotropic variant NWS. Hobson D, et al. J Gen Virol 9:151-3, Nov 70
Nucleic acids in the potato virus X group and in some other plant viruses: comparison of the molecular weights by electrophoresis in acrylamide-agarose composite gels. Koenig R. J Gen Virol 10:111-4, Jan 71
Internal components released from rhinovirus and poliovirus by heat. McGregor S, et al. J Gen Virol 10:203-7, Feb 71
Binding of ribonucleic acids to the RNP-antigen protein of influenza viruses. Schoitissek C, et al. J Gen Virol 10:11-6, Jan 71
Observations of the infectivity of RNA from Antheraea virus (AV). Brzostowski HW, et al. J Invertebr Pathol 16:277-9, Sep 70
Properties of RNA from cytoplasmic-polyhedrosis virus of the white-marked tussock moth, Orgyia leucostigma. Hayashi Y. J Invertebr Pathol 16:451-8, Nov 70
Infectious nucleic acids of Escherichia coli bacteriophages. XII. Fate of double-stranded bacteriophage ribonucleic acid in Escherichia coli spheroplasts. Hehlmann R, et al. J Mol Biol 51:225-46, 28 Jul 70
Studies on the stabilizing forces of simple RNA viruses. II. Stability, dissociation and reassembly of cucumber mosaic virus. Kaper JM, et al. J Mol Biol 56:277-94, 14 Mar 71
Studies on the stabilizing forces of simple RNA viruses. I. Selective interference with protein-RNA interactions in turnip yellow mosaic virus. Kaper JM. J Mol Biol 56:259-76, 14 Mar 71
In vitro selection of bacteriophage Q-beta ribonucleic acid variants resistant to ethidium bromide. Saffhill R, et al. J Mol Biol 51:531-9, Aug 70
Transmission of avian myeloblastosis by BAI strain A virus ribonucleic acid. Vepřek L, et al. J Natl Cancer Inst 46:713-29, Apr 71
Properties of Caulobacter ribonucleic acid bacteriophage phi Cb5. Bendis I, et al. J Virol 6:847-54, Dec 70
Transcription of the influenza ribonucleic acid genome by a virion polymerase. II. Nature of the in vitro polymerase product. Bishop DH, et al. J Virol 8:74-80, Jul 71
Molecular weight of Sindbis virus ribonucleic acid as measured by polyacrylamide gel electrophoresis. Dobos P, et al. J Virol 6:145-7, Jul 70
Ribonucleic acid-dependent deoxyribonucleic acid polymerase in visna virus. Lin FH, et al. J Virol 6:702-4, Nov 70
Characterization of ribonucleic acid from visna virus. Lin FH, et al. J Virol 7:582-7, May 71
Isolation and properties of poliovirus minus strand ribonucleic acid. Roy P, et al. J Virol 6:604-9, Nov 70
Influence of polycations on the interaction between poliovirus multistranded ribonucleic acid and HeLa cells. Wentzky P, et al. J Virol 8:35-60, Jul 71
Mixed RNAs in transformed cells. Nature (Lond) 232:152, 16 Jul 71
Assembly of the particle of tobacco mosaic virus from RNA and disks of protein. Butler PJ, et al. Nature [New Biol] 229:47-50, 13 Jan 71
Enzymatic synthesis of bacteriophage fl DNA: RNA hybrid and double stranded RNA. Robertson HD. Nature [New Biol] 229:169-72, 10 Feb 71
Light-mediated regulation of TMV-RNA photoreactivation. Murphy TM, et al. Photochem Photobiol 13:45-55, Jan 71
Correlation between buoyant density and ribonucleic acid content in viruses. Sehgal OP, et al. Phytopathology 60:1778-84, Dec 70
Further characterization of the cellular DNA hybridizing with the RNA of Rous sarcoma virus. Yoshikawa-Fukada M, et al. Proc Natl Acad Sci USA 68:743-6, Apr 71
Characteristics of cores of avian leuko-sarcoma viruses. Bader JP, et al. Virology 41:718-28, Aug 70
Characterization of the complementary nuclear RNA of murine sarcoma-leukemia virus. Biswal N, et al. Virology 42:1064-72, Dec 70
Size differences among the high molecular weight RNA's of avian tumor viruses. Bolognesi DP, et al. Virology 43:214-22, Jan 71
The RNAs of infective and incomplete influenza virions grown in MDBK and HeLa cells. Choppin PW, et al. Virology 42:603-10, Nov 70
Preparation and some properties of the nucleic acid of tobacco streak virus. Clark MF, et al. Virology 45:61-74, Jul 71
Complementarity between Rous sarcoma virus (RSV) RNA and the in vitro-synthesized DNA of the virus-associated DNA polymerase. Duesberg PH, et al. Virology 42:783-8, Nov 70
Studies on alfalfa mosaic virus. IV. An unusual strain. Hull R. Virology 42:283-92, Oct 70
Replication of tobacco mosaic virus. I. Isolation and characterization of double-stranded forms of ribonucleic-acid. Jackson AO, et al. Virology 45:182-91, Jul 71
Synthesis of polypeptides directed by the RNA of phage Q beta. Jockusch H, et al. Virology 42:401-14, Oct 70
On the genesis of incomplete Sendai virions. Kingsbury DW, et al. Virology 42:872-9, Dec 70
Electron microscopy of the replicative RNA from tobacco mosaic virus ana alfalfa mosaic virus: morphology and association of the double-stranded RNA. Nicolaieff A, et al. Virology 41:688-700, Aug 70
Vesicular stomatitis virus--a new interfering particle, intracellular structures, and virus-specific RNA. Petric M, et al. Virology 41:615-30, Aug 70
Intracellular structures involved in Sendai virus replication. Robinson WS. Virology 43:90-100, Jan 71
Chain initiation during polypeptide synthesis in cell-free bacterial systems programmed with a plant viral messenger. Initiation with N-acetylated aminoacyl-tRNA on adjacent codons. Verhoef NJ, et al. Virology 45:75-84, Jul 71
Chain initiation during polypeptide synthesis in cell-free bacterial systems programmed with a plant viral messenger. The formation of N-acetylphenylalanylisoleucyl-tRNA on the messenger-ribosome complex. Verhoef NJ, et al. Virology 45:85-90, Jul 71
The infection of Pseudomonas aeruginosa by RNA pilus phage PP7: the adsorption organelle and the relationship between phage sensitivity and the division cycle. Weppelman RM, et al. Virology 44:1-17, Apr 71
[Infectivity for mice of the ribonucleic acid extracted from chicken sarcoma induced by the Carr (Zilber) strain of Rous sarcoma virus (RSV-Carr-Zilber-RNA). I. Morphological study] Nastac E, et al. Ann Histochim 15:273-82, Oct-Dec 70 (Fre)
[Certain structural and biological characteristics of MS2-RNA] Popa L, et al. Arch Roum Pathol Exp Microbiol 28:876-9, Dec 69 (Fre)
[Visna virus: isolation of a molecule of high molecular weight ribonucleic acid] Brahic M, et al. C R Acad Sci [D] (Paris) 272:2115-8, 19 Apr 71 (Fre)
[Influence of phosphodiesterase of swine spleen on the reconstitution in vitro of tobacco mosaic virus] Guilley H, et al. C R Acad Sci [D] (Paris) 272:1181-4, 22 Feb 71 (Fre)
[Relations between RNA molecular structure and their induction power on interferon] Falcoff E, et al. Pathol Biol (Paris) 18:1021-2, Nov 70 (Fre)
[Further studies on delayed type foot-and-mouth disease allergy] Mayr A, et al. Zentralbl Veterinaermed [B] 17:905-17, Nov 70 (Ger)
[Virus RNA in the cultivated leukemic cell and its transformation] Hatanaka S. Jap J Bacteriol 25:430, Sep 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Infectious properties of Rous sarcoma virus RNA and total RNA from tumors induced by this virus] Kuznetsov OK, et al.
Biull Eksp Biol Med 70:78-80, Oct 70 (Rus)
[Some properties of the replicative form of mouse encephalomyocarditis virus RNA] Agol VI, et al.
Dokl Akad Nauk SSSR 189:428-31, 11 Nov 69 (Rus)
[Formation of pseudovirus particles in a homogenate from uninfected cells] Zhdanov VM, et al.
Dokl Akad Nauk SSSR 189:882-4, 1 Dec 69 (Rus)
[Infectious properties of myxovirus nucleic acids] Chetverikova LK, et al.
Vestn Akad Med Nauk SSSR 25:56-64, 1970 (Rus)
[The effect of formaldehyde on MM virus and its ribonucleic acid] Portokala R, et al.
Vopr Virusol 15:742-8, Nov-Dec 70 (Rus)

ANALYSIS

Identification of the nucleic acid of mouse mammary tumor virus (MTV) using fluorescence microscopy. el-Fiky SM, et al. Acta Histochem (Jena) 37:323-9, 1970
Physicochemical studies of equine infectious anemia virus. IV. Determination of the nucleic acid type in the virus. Nakajima H, et al.
Arch Gesamte Virusforsch 31:273-80, 1970
Position of the first initiation codon in the RNA of bacteriophages MS2 and R17. De Wachter R, et al.
Arch Int Physiol Biochim 79:190-200, Jan 71
The heptanucleotide sequences present in the pancreatic ribonuclease digest of bacteriophage MS2 RNA. Haegeman G, et al.
Arch Int Physiol Biochim 78:588-90, Aug 70
Identification of virus-specific RNA in cells infected with Rous sarcoma virus. Garapin AC, et al.
Biochem Biophys Res Commun 42:919-25, 5 Mar 71
Sequence at the 5'-end of bacteriophage f2 RNA. Ling V. Biochem Biophys Res Commun 42:82-8, 8 Jan 71
Measles virus RNA. Schluederberg A.
Biochem Biophys Res Commun 42:1012-5, 19 Mar 71
Nucleotides at the 5'-linked ends of bromegrass mosaic virus RNA and its fragments. Glitz DG, et al.
Biochim Biophys Acta 238:224-32, 13 May 71
Sequences of RNA fragments from the bacteriophage f2 coat protein cistron which differ from their R17 counterparts. Nichols JL, et al.
Biochim Biophys Acta 228:876-81, 11 Feb 71
The 3'-linked terminus of Q beta RNA. Young RJ, et al.
Biochim Biophys Acta 228:446-55, 28 Jan 71
Separation of oligonucleotides on hydroxyapatite columns. Mundry KW.
Bull Soc Chim Biol (Paris) 52:873-83, 1970
Cytological investigations on the nuclear structure lesions of cells infected with influenza virus. Atsev S, et al. Dokl Bolg Akad Nauk 22:193-6, 1969
Ribosomal RNA in avian leukosis virus particles. Obara T, et al. Int J Cancer 7:535-46, 15 May 71
Studies on the structure of the genome of phage Q beta. Billeter MA, et al. J Gen Microbiol 63:v, Nov 70
Studies on the nature of influenza virus ribonucleic acid. Bromley PA, et al. J Gen Microbiol 63:xvi, Nov 70
Nucleic acids of animal viruses. Subak-Sharpe JH. J Gen Microbiol 63:v-vi, Nov 70
Estimations of the molecular weight of the influenza virus genome. Skehel JJ. J Gen Virol 11:103-9, May 71
Molecular size of simian virus 40-specific RNA synthesized in productively infected cells. Sokol F, et al. J Gen Virol 11:177-88, Jun 71
Segments of genome of viruses containing double-stranded ribonucleic acid. Fujii-Kawata I, et al. J Mol Biol 51:247-53, 28 Jul 70
Secondary structure of bacteriophage f2 ribonucleic acid and the initiation of in vitro protein biosynthesis. Lodish HF. J Mol Biol 50:689-702, 28 Jun 70
The 3'-termini of bacteriophage Q-beta plus and minus strands. Weber H, et al. J Mol Biol 51:215-24, 28 Jul 70
Deoxyribonucleic acid polymerase associated with avian tumor viruses: secondary structure of the deoxyribonucleic acid product. Fanshier L, et al. J Virol 7:77-86, Jan 71
Biophysical and biochemical studies on rhinovirus and poliovirus. II. Chemical and hydrodynamic analysis of the rhinovirion. McGregor S, et al. J Virol 7:41-6, Jan 71
Nucleotide composition of RNA hybridized to homologous DNA from cells transformed by avian tumour viruses. Baluda MA, et al.
Nature [New Biol] 231:90-1, 19 May 71
Cytosine at the 3'-termini of reovirus genome and in vitro mRNA. Banerjee AK, et al.
Nature [New Biol] 232:114-5, 28 Jul 71
Virus specific RNA in cells transformed by RNA tumour viruses. Green M, et al.
Nature [New Biol] 230:229-32, 21 Apr 71
RNA of Australia antigen. Józwiak W, et al.
Nature [New Biol] 229:92-4, 20 Jan 71
Multiple genetic components in bromegrass mosaic virus. Lane LC, et al.
Nature [New Biol] 232:40-3, 14 Jul 71
Presence of cell and virus specific sequences in the same molecules of nuclear RNA from virus transformed cells. Wall R, et al.
Nature [New Biol] 232:73-6, 21 Jul 71
5'-terminus of influenza virus RNA. Young RJ, et al.
Nature [New Biol] 230:140-2, 31 Mar 71
The leader sequence from the 5'-terminus to the A-protein initiation codon in MS2-virus RNA. De Wachter R, et al.
Proc Natl Acad Sci USA 68:585-9, Mar 71
Differences between the ribonucleic acids of transforming and nontransforming avian tumor viruses. Duesberg PH, et al.
Proc Natl Acad Sci USA 67:1673-80, Dec 70
Location of the coat cistron on the RNA of phage Q-beta. Hindley J, et al.
Proc Natl Acad Sci USA 67:1180-7, Nov 70
Interferon and transcription of early virus-specific RNA in cells infected with simian virus 40. Oxman MN, et al. Proc Natl Acad Sci USA 68:299-302, Feb 71
Biochemical studies on adenovirus multiplication, XIX. Resolution of late viral RNA species in the nucleus and cytoplasm. Parsons JT, et al.
Proc Natl Acad Sci USA 68:557-60, Mar 71
DNA polymerase activities and nucleic acid components of virions isolated from a spontaneous mammary carcinoma from a rhesus monkey. Schlom J, et al. Proc Natl Acad Sci USA 68:1613-7, Jul 71
Valine-specific tRNA-like structure in turnip yellow mosaic virus RNA. Yot P, et al.
Proc Natl Acad Sci USA 67:1345-52, Nov 70
Cytochemistry of virus-induced inclusions containing nucleic acids. Love R, et al.
Proc Soc Exp Biol Med 136:1072-7, Apr 71
The low molecular weight RNAs of Rous sarcoma virus. II. The 7 S RNA. Bishop JM, et al.
Virology 42:927-37, Dec 70
Properties of infectious ribonucleic acid from wheat streak mosaic virus. Brakke MK, et al.
Virology 42:699-706, Nov 70
Detection of heterogeneity in plant viral RNA by polyacrylamide gel electrophoresis. Fowlks E, et al.
Virology 42:548-50, Oct 70
Properties of incomplete Sendai virions and subgenomic viral RNAs. Kingsbury DW, et al.
Virology 42:857-71, Dec 70
On visna virus: purification and nucleic acid content. Lin FH, et al. Virology 42:1140-3, Dec 70
On the structure of rhinovirus 1A. Medappa KC, et al.
Virology 44:259-70, May 71
Identification of the constituents of southern bean mosaic virus in crystals of infected cells, and their distribution within the virion. Weintraub M, et al.
Virology 41:729-39, Aug 70
[Virus-specific RNA in polysome of SV-40 tumor cells] Sakaoka H.
Med Biol (Tokyo) 81:139-43, 10 Sep 70 (Jap)
[Identification of Newcastle disease virus messenger RNA] Zhdanov VM, et al.
Dokl Akad Nauk SSSR 193:211-4, Jul-Aug 70 (Rus)
[Sedimentation and density distribution of virus-induced RNA in extracts of cells infected by Newcastle disease virus] Kaverin NV, et al.
Vestn Akad Med Nauk SSSR 26:42-6, 1971 (Rus)
[Sedimentation analysis of virus-specific informosome-like structures in cell extracts infected with Newcastle disease virus] Kaverin NV, et al.
Vopr Virusol 16:138-43, Mar-Apr 71 (Rus)
[Characteristics of Sendai virus RNA when studies in polyacrylamide gels] Zhdanov VM, et al.
Vopr Virusol 16:77-81, Jan-Feb 71 (Rus)
[Electron microscopic study of RNA of potato X-virus] Popenko GG, et al.
Mikrobiol Zh 33:165-72, Mar-Apr 71 (Ukr)

BIOSYNTHESIS

The effect of canavanine on Semliki forest virus RNA synthesis. Ranki M, et al.
Ann Med Exp Biol Fenn 48:238-45, 1970
Effect of Mycoplasma pneumoniae on rhinovirus ribonucleic acid synthesis in KB cells. Milligan WH 3d, et al. Antimicrob Agents Chemother 9:196-9, 1969
Rapid sensitive assay for interferons based on the inhibition of MM virus nucleic acid synthesis. Allen PT, et al. Appl Microbiol 20:317-22, Sep 70
Assay of chick interferons by the inhibition of viral ribonucleic acid synthesis. McWilliams M, et al.
Appl Microbiol 21:959-61, May 71
Effects of temperature on viral RNA synthesis and RNA polymerase activity in a foot-and-mouth disease virus system. Delagneau JF.
Arch Gesamte Virusforsch 32:318-28, 1970
A rich source of replicative ribonucleic acid of Sindbis virus--a potent interferon inducer. Ingiot AD.
Arch Immunol Ther Exp (Warsz) 18:401-8, 1970
Cytoplasmic polyhedrosis virus: RNA synthesized in vivo and in vitro in infected midgut. Hayashi Y, et al.
Biochem Biophys Res Commun 42:214-21, 22 Jan 71
Reversible inhibition of RNA phage replication and macromolecular synthesis by levorphanol. Simon EJ, et al.
Biochem Biophys Res Commun 40:1134-41, 10 Sep 70
Translational regulation of T4 messenger RNA metabolism. Guthrie GD.
Biochim Biophys Acta 232:324-37, 11 Mar 71
Replication of viral nucleic acids. I. Enzyme-RNA complexes involved in the synthesis of Q-beta RNA. Hori K. Biochim Biophys Acta 217:394-407, 15 Oct 70
A mathematical model for RNA bacteriophage production in batch culture. Chen MS, et al.
Biotechnol Bioeng 13:257-70, Mar 71
Comparative biology of five RNA phages, R23, f2, Q beta, R34, and R40. Watanabe H, et al.
Can J Microbiol 16:859-64, Sep 70
On the synthesis of poliovirus RNA at supraoptimal temperatures. La Colla P, et al.
Experientia 27:479-81, 15 Apr 71
2 cell-free systems for the assay of virus-specific polymerase. Yershov FI, et al.
Experientia 26:1401-3, 15 Dec 70
Contributing factor to Mycoplasma pneumoniae produced stimulation of rhinovirus-RNA synthesis. Fletcher RD, et al.
Folia Microbiol (Praha) 15:325-9, 1970
5-fluorouracil rescue of dCMP hydroxymethylase in Escherichia coli B infected by mutant am N122 of bacteriophage T4. Mark KK. Genetics 66:23-30, Sep 70
The development and use of an extracellular RNA replicating system. Spiegelman S.
Harvey Lect 64:1-67, 1968-69 (63 ref.)
Membrane-bound ribonucleic acid synthesis in Escherichia coli infected with ribonucleic acid bacteriophage R23. Hunt D, et al.
J Biol Chem 246:4151-6, 10 Jul 71
Effect of calcium ions on synthesis of T5-specific ribonucleic acid. Moyer RW, et al.
J Biol Chem 245:5904-13, 25 Nov 70
Patterns of ribonucleic acid synthesis in T5-infected Escherichia coli. IV. Examination of the role of deoxyribonucleic acid replication. Pispa JP, et al.
J Biol Chem 246:1658-64, 25 Mar 71
Patterns of ribonucleic acid synthesis in T5-infected Escherichia coli. V. Formation of stable, discrete, degradation products during turnover of phage-specific ribonucleic acid. Sirbasku DA, et al.
J Biol Chem 246:1665-76, 25 Mar 71
Comparative aspects of Poliovirus replication. Levintow L, et al. J Cell Physiol 76:265-71, Dec 70
Sendai virus RNA synthesis and nucleocapsid formation in the presence of cycloheximide. Robinson WS. J Child Psychol Psychiatry 12:494-502, Jun 71
The nature of the ribonucleic acid synthetized in vitro by Sendai virus-induced ribonucleic acid-dependent ribonucleic acid polymerase. Hutchinson JE, et al.
J Gen Microbiol 63:xv-xvi, Nov 70
Virus RNA synthesis by ultraviolet-irradiated Newcastle disease virus and interferon production. Gandhi SS, et al. J Gen Virol 9:97-9, Oct 70
The relative concentration of infective intact virus and RNA of four strains of tobacco mosaic virus as influenced by temperature. Kassanis B, et al.
J Gen Virol 11:157-70, Jun 71
Antiviral activity of polyinosinic-polycytidylic acid in the absence of cell-controlled RNA synthesis. Kjeldsberg E, et al. J Gen Virol 10:147-54, Feb 71
In vitro synthesis of a segment of bromegrass mosaic virus ribonucleic acid. Semal J, et al.
J Gen Virol 11:189-92, Jun 71
Kinetics of RNA synthesis by vesicular stomatitis virus particles. Bishop DH, et al.
J Mol Biol 57:513-27, 14 May 71
Properties of the product synthesized by vesicular stomatitis virus particles. Bishop DH, et al.
J Mol Biol 58:799-814, 28 Jun 71
Sequential steps in the in vivo assembly of the RNA bacteriophage fr. Kaerner HC.
J Mol Biol 53:515-29, 14 Nov 70
Gene expression in bacteriophage lambda. II. Regulation of RNA synthesis in vivo by the N protein. Konrad M. J Mol Biol 53:389-400, 14 Nov 70
Replicative structures of poliovirus RNA in vivo. Oberg B, et al. J Mol Biol 58:725-37, 28 Jun 71
Effect of the rel locus on Qbeta RNA synthesis. Siegel J, et al. J Mol Biol 57:147-51, 14 Apr 71
Regulation of early RNA synthesis in bacteriophage T4-infected Escherichia coli cells. Sköld O.
J Mol Biol 53:339-56, 14 Nov 70
Transcription of the influenza ribonucleic acid genome by a virion polymerase. I. Optimal conditions for in vitro activity of the ribonucleic acid-dependent ribonucleic acid polymerase. Bishop DH, et al.
J Virol 8:66-73, Jul 71
Mechanism of synthesis of vaccinia virus double-stranded ribonucleic acid in vivo and in vitro. Colby C, et al. J Virol 7:71-6, Jan 71
Nucleic acid synthesis in Bacillus subtilis infected with bacteriophage beta-22. Hemphill HE, et al.
J Virol 6:381-92, Oct 70
Preliminary physiological characterization of temperature-sensitive mutants of vesicular stomatitis virus. Pringle CR, et al. J Virol 8:56-61, Jul 71
Effects of elevated temperatures on mengovirus ribonucleic acid synthesis and virus production in Novikoff rat hepatoma cells. Shea MA, et al.
J Virol 7:144-54, Jan 71
Association of viral ribonucleic acid with cellular membranes in chick embryo cells infected with Sindbis virus. Sreevalsan T. J Virol 6:438-44, Oct 70
Cytoplasmic localization of ribonucleic acid synthesis induced in the cells infected with some group A arboviruses. Takeda H, et al.
Jap J Med Sci Biol 24:101-13, Apr 71
Intracellular site of RNA replication of vesicular

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

stomatitis virus as revealed by radioautography. Yaoi Y, et al. Jap J Microbiol 14:427-9, Sep 70
The nature of initiation sites on DNA for the core RNA polymerase. Ishihama A, et al.
Mol Gen Genet 111:66-76, 1971
Studies on the biosynthesis of TMV. 3. Isolation and characterization of the replicative form and the replicative intermediate RNA. Nilsson-Tillgren T.
Mol Gen Genet 109:246-56, 1970
Complementary RNAs in paramyxovirions and paramyxovirus-infected cells. Portner A, et al.
Nature (Lond) 228:1196-7, 19 Dec 70
Formation of infectious arbovirus ribonucleoprotein in subcellular structures. Zhdanov VM, et al.
Nature (Lond) 228:1192-4, 19 Dec 70
Roundabouts and swings.
Nature (Lond) 228:1255, 26 Dec 70
Initiation of reovirus mRNA synthesis in vitro. Banerjee AK, et al.
Nature [New Biol] 230:169-72, 7 Apr 71
Inhibitors acting on nucleic acid synthesis in an oncogenic RNA virus. Müller WE, et al.
Nature [New Biol] 232:143-5, 4 Aug 71
In vitro repression of RNA synthesis by purified lambda phage repressor. Steinberg RA, et al.
Nature [New Biol] 230:76-80, 17 Mar 71
Mechanism of carcinogenesis by RNA tumor viruses. 3. Formation of RNA, DNA complex and duplex DNA molecules by the DNA polymerase (s) of avian myeloblastosis virus. Fujinaga K, et al.
Proc Natl Acad Sci USA 67:1432-9, Nov 70
Identity of the 5'-terminal RNA nucleotide sequence of the satellite tobacco necrosis virus and its helper virus: possible role of the 5'-terminus in the recognition by virus-specific RNA replicase. Lesnaw JA, et al. Proc Natl Acad Sci USA 66:140-5, May 70
Asynchronous synthesis of the complementary strands of the reovirus genome. Schonberg M, et al.
Proc Natl Acad Sci USA 68:505-8, Feb 71
Effect of interferon on synthesis of Eastern equine encephalitis virus RNA. Armstrong JA, et al.
Proc Soc Exp Biol Med 137:13-8, May 71
In vitro sensitivity of measles virus to 6-azauridine. Leonard LL, et al.
Proc Soc Exp Biol Med 136:857-62, Mar 71
Inhibition of rubella virus-specific RNA synthesis by interferon. Wong KT, et al.
Proc Soc Exp Biol Med 136:615-8, Feb 71
Replication and functions of myxovirus ribonucleic acids. Kingsbury DW.
Progr Med Virol 12:49-77, 1970 (120 ref.)
Replication of tobacco mosaic virus. II. The in vitro synthesis of high molecular weight virus-specific RNAs. Bradley DW, et al. Virology 45:192-9, Jul 71
Synthesis of vaccinia virus "early" and "late" messenger RNA in vitro with nucleoprotein structures isolated from infected cells. Dahl R, et al.
Virology 42:463-72, Oct 70
RNA synthesis during bacteriphage SPO1 development. II. Some modulations and prerequisites of the transcription program. Gage LP, et al.
Virology 44:200-10, Apr 71
Demonstration that the same strand of reovirus genome RNA is transcribed in vitro and in vivo. Hay AJ, et al. Virology 44:450-3, May 71
Ribonucleic acid synthesis of vesicular stomatitis virus. 3. Multiple complementary messenger RNA molecules. Huang AS, et al. Virology 42:946-57, Dec 70
Kinetics of appearance of the products of poliovirus-induced RNA polymerase. McDonnell JP, et al. Virology 42:999-1006, Dec 70
Biochemical studies on adenovirus multiplication. 18. Resolution of early virus-specific RNA species in Ad 2 infected and transformed cells. Parsons JT, et al.
Virology 45:154-62, Jul 71
Viral and host RNA synthesis in BSMV-infected barley. Pring DR. Virology 44:54-66, Apr 71
The response of BHK21 cells to infection with type 12 adenovirus. V. Stimulation of cellular RNA synthesis and evidence for transcription of the viral genome. Radka K Jr, et al. Virology 44:296-306, May 71
Interferon action: effect on the formation of poxvirus specific polysomes and viral RNA. Bodo G, et al.
Z Naturforsch [B] 25:1164-70, Oct 70
[Analysis of synthesis of viral RNA of the vesicular stomatitis virus (VSV). Use of thermosensitive mutants] Martinet C, et al.
Ann Inst Pasteur (Paris) 119:411-9, Oct 70 (Fre)
[Kinetics of multiplication of the turnip yellow mosaic virus studied in cells isolated from infected cabbage-leaves] Albouy J, et al.
C R Acad Sci [D] (Paris) 272:2119-22, 19 Apr 71 (Fre)
[Action of frog virus 3 (FV3) on the synthesis of RNA by Sindbis virus] Guir J, et al.
C R Acad Sci [D] (Paris) 272:1177-80, 22 Feb 71 (Fre)
[A mutant of foot-and-mouse disease virus thermosensitive to 37 degrees C, characterized as "RNA+"] Krasnobaev E.
C R Acad Sci [D] (Paris) 272:1036-9, 15 Feb 71 (Fre)
[Host capacity for RNA-phages] Rosenthal HA, et al.
Acta Biol Med Ger 24:535-44, 1970 (Ger)
[Action of guanidine on protein synthesis induced with poliovirus I] Maxia L, et al.
Boll Soc Ital Biol Sper 45:759-61, 15 Jun 69 (Ita)
[Fractionation of RNA from Newcastle disease virus-infected cells by equilibrium centrifugation in cesium sulfate density gradient] Sito AF, et al.
Biokhimiia 35:1202-6, Nov-Dec 70 (Rus)
[Synthesis of arbovirus RNA and proteins in subcellular structures] Ershov FI, et al.
Dokl Akad Nauk SSSR 190:458-60, Jan 70 (Rus)
[Characteristics of template syntheses in myxoviruses] Zhdanov VM.
Izv Akad Nauk SSSR [Biol] 5:702-13, Sep-Oct 67 (Rus)
[Phenomenon of the formation of hybrid ribonucleoprotein complexes (pseudovirus)] Ershov FI, et al.
Vestn Akad Med Nauk SSSR 26:32-7, 1971 (Rus)
[Extracellular synthesis of infectious ribonucleoprotein on preformed subcellular structures] Zhdanov VM, et al.
Vestn Akad Med Nauk SSSR 26:13-26, 1971 (Rus)
[Synthesis of ribonucleic acid and protein of poliomyelitis virus at low temperature] Ageeva ON, et al. Vopr Virusol 16:164-8, Mar-Apr 71 (Rus)
[Synthesis of infectious arbovirus ribonucleoprotein in subcellular structures] Ershov FI, et al.
Vopr Virusol 15:322-30, May-Jun 70 (Rus)
[RNA-polymerase induced by Venezuelan equine encephalomyelitis virus] Ershov FI, et al.
Vopr Virusol 16:103-8, Jan-Feb 71 (Rus)
[The temperature sensitive mutants of poliovirus. I. Acquisition and characteristics of the mutants] Mikheeva AV, et al.
Vopr Virusol 16:48-52, Jan-Feb 71 (Rus)
[Virus induced RNA in the polyribosomes of Ehrlich ascites carcinoma cells infected with Sendai virus] Zaides VM, et al.
Vopr Virusol 15:518-24, Sep-Oct 70 (Rus)
[Virus-like particles formed in vivo and in vitro] Zhdanov VM, et al.
Vopr Virusol 15:537-43, Sep-Oct 70 (Rus)

ISOLATION & PURIFICATION

A new procedure for the preparation of highly labeled intact 32P RNA from bacteriophage R-17. Gesteland RF, et al.
Biochem Biophys Res Commun 41:1267-72, 9 Dec 70
Evidence for the intracellular site of double-stranded turnip yellow mosaic virus RNA. Ralph RK, et al.
J Child Psychol Psychiatry 12:473-9, Jun 71
Isolation of amino acid acceptor RNA from purified avian myeloblastosis virus. Erikson E, et al.
J Mol Biol 52:387-90, 14 Sep 70
Method for increasing the regularity of isolation of infectious ribonucleic acid from influenza virus. Chetverikova LK, et al. J Virol 6:183-7, Aug 70
Sedimentation properties of simian virus 40-specific ribonucleic acid present in green monkey cells during productive infection and in mouse cells undergoing abortive infection. Martin MA, et al.
J Virol 6:463-9, Oct 70
Density gradient centrifugation studies on lymphocytic choriomeningitis virus and on viral ribonucleic acid. Pedersen IR. J Virol 6:414-20, Oct 70
In vivo uncoating of tobacco mosaic virus. II. Complete uncoating to TMV-RNA. Machida H, et al.
Jap J Microbiol 14:441-9, Nov 70
Infectious mycobacteriophage nucleic acids. Sellers MI. Pneumonologie 142:200-9, 1970
Nucleic acid and proteins isolated from a strain of murine sarcoma virus (MSV-O). Horvath AE, et al.
Proc Soc Exp Biol Med 137:1075-81, Jul 71
Potato spindle tuber virus: a plant virus with properties of a free nucleic acid. 3. Subcellular location of PSTV-RNA and the question of whether virions exist in extracts or in situ. Diener TO.
Virology 43:75-89, Jan 71
Isolation of the nucleic acid of feline leukemia virus. Jarrett O, et al. Virology 43:317-20, Jan 71
[Common sequences between RNA from oncogenic viruses and cellular DNA] Harel J, et al.
Bull Cancer (Paris) 57:283-300, Jul-Sep 70 (Fre)
[Chromatography of nucleic acids of healthy tobacco and tobacco infected by various viruses on a hydroxyapatite column] Pinck L.
Bull Soc Chim Biol (Paris) 52:843-55, 1970 (Fre)
[Isolation of infectious RNA from some group A and B arboviruses] Karpova EF, et al.
Vopr Virusol 16:230-3, Mar-Apr 71 (Rus)
[Sedimentation characteristics of Venezuelan equine encephalomyelitis virus] Uryvaev LV, et al.
Vopr Virusol 15:330-6, May-Jun 70 (Rus)
[Infectious RNA of the Coxsackie virus B-1] Shirobokov VP. Mikrobiol Zh 33:64-70, 1971 (Ukr)

METABOLISM

Heterogeneity among the uniform-size fragments obtained from TMV-RNA. Sela I, et al.
Arch Biochem Biophys 139:450, Aug 70
Formation of ribonucleoprotein particles by interaction of infectious viral RNA with cytoplasmic cell fractions. Yershov FI, et al.
Arch Gesamte Virusforsch 33:1-8, 1971
Translation of an RNA viral message in vitro: one-step polypeptide chain elongation. Hsu WT.
Biochem Biophys Res Commun 42:405-12, 5 Feb 71
Messenger activity in mammalian cell-free extracts of reovirus single-stranded RNA prepared in vitro. Levin DH, et al.
Biochem Biophys Res Commun 42:454-61, 5 Feb 71
Transfer RNA changes in HeLa cells after vaccinia virus infection. Clarkson SG, et al.
Biochim Biophys Acta 238:498-502, 27 May 71
Phosphorylation of dephosphorylated tRNA and oligonucleotides by polynucleotide kinase. Hänggi UJ, et al. Biochim Biophys Acta 217:278-93, 15 Oct 70
Effects of diethyl pyrocarbonate on tobacco mosaic virus and its RNA. Oxelfeldt P, et al.
Biochim Biophys Acta 217:544-7, 15 Oct 70
Fishing for viruses in cancer cells. Chedd G.
CA 21:36-8, Jan-Feb 71
Mammalian cell-free protein synthesis directed by viral ribonucleic acid. Mathews M, et al.
Eur J Biochem 17:328-38, Dec 70
On the function and fate of phage progeny RNA in infected bacteria. Fenwick ML.
J Cell Sci 8:833-47, May 71
Thermal melting of bacteriophage f2 RNA and initiation of synthesis of the maturation protein. Lodish HF. J Mol Biol 56:627-32, 28 Mar 71
Protein synthesis in Escherichia coli extracts programmed by poliovirus RNA. Rekosh DM, et al.
J Mol Biol 54:327-40, 14 Dec 70
Membrane binding of input arbovirus ribonucleic acid: effect of interferon or cycloheximide. Friedman RM, et al. J Virol 6:169-75, Aug 70
Transport as the rate-limiting step in the incorporation of uridine into mengovirus ribonucleic acid in Novikoff rat hepatoma cells. Plagemann PG, et al.
J Virol 7:137-43, Jan 71
Light inactivation of focus formation by chicken embryo fibroblasts infected with avian sarcoma virus in the presence of 5-bromodeoxyuridine. Boettiger D, et al. Nature (Lond) 228:622-4, 14 Nov 70
Tissue-specific factor required for the translation of a mammalian viral RNA. Mathews MB.
Nature (Lond) 228:861-3, 14 Nov 70
Transcription of late phage RNA by T7 RNA polymerase. Summers WC, et al.
Nature (Lond) 228:1160-2, 19 Dec 70
Possible mechanism for transition of viral RNA from polysome to replication complex. Kolakofsky D, et al.
Nature [New Biol] 231:42-6, 12 May 71
Happy birthday, reverse transcriptase?
Nature [New Biol] 231:161, 9 Jun 71
Strategy of Qbeta phage replication.
Nature [New Biol] 231:33, 12 May 71
An adenosine 3':5'-cyclic monophosphate-binding protein that acts on the transcription process. Eron L, et al. Proc Natl Acad Sci USA 68:215-8, Jan 71
Biologic activity of isolated viral nucleic acids. Pagano JS. Progr Med Virol 12:1-48, 1970 (115 ref.)
[The effect of DEAE-dextran on the infectiousness of ribonucleic acid preparations of foot-and-mouth disease virus in various host systems] Hantschel H, et al. Arch Exp Veterinaermed 24:473-80, 1970 (Ger)
[The intraviral nature of photoinactivation of proflavin-sensitized foot-and-mouth disease virus] Lei JC. Arch Exp Veterinaermed 24:125-39, 1970 (Ger)
[pH inactivation of the foot-and-mouth disease virus] Olechnowitz AF, et al.
Arch Exp Veterinaermed 24:461-71, 1970 (Ger)
[Formation of early and late polyribosomes and the template activity of viral ribonucleoprotein] Bukrinskaia AG, et al.
Vestn Akad Med Nauk SSSR 26:26-32, 1971 (Rus)
[Characteristics of viral RNA isolated from the polyribosomes of infected cells] Zhdanov VM, et al.
Vopr Virusol 15:467-73, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

Biological activity of the nucleic acids extracted from two aerosolized bacterial viruses. Dubovi EJ.
Appl Microbiol 21:761-2, Apr 71
The inhibitory action of a mammalian viral RNA on the initiation of protein synthesis in a reticulocyte cell-free system. Mathews MB, et al.
Eur J Biochem 17:339-43, Dec 70
Responsiveness of normal and transformed rat embryo cell cultures to poly I-poly C and interferon. Freeman AE, et al. J Cell Physiol 76:365-71, Dec 70
The effect of DEAE-dextran on the nucleic acids of two plant viruses. Hull R. J Gen Virol 11:111-7, May 71
Effects of poly-L-lysine on infectious viral nucleic acid. Idoine JB, et al. J Virol 7:595-602, May 71
Differential effect of phleomycin on the infectivity of poliovirus and poliovirus-induced ribonucleic acids. Koch G. J Virol 8:28-34, Jul 71
Template activity of parainfluenza virus ribonucleoprotein. Bukrinskaya AG, et al.
Nature (Lond) 228:1194-6, 19 Dec 70
Interferon stimulated by double stranded RNA. Merigan TC. Nature (Lond) 228:219-22, 17 Oct 70
Double-stranded poliovirus RNA inhibits initiation of protein synthesis by reticulocyte lysates. Ehrenfeld E, et al. Proc Natl Acad Sci USA 68:1075-8, May 71
Comparison of the antitumor effect of interferon and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

interferon inducers. Rhim JS, et al.
Proc Soc Exp Biol Med 136:524-9, Feb 71
The effect of freezing and DEAE-D in spheroplast assays. Merril CR, et al. Virology 42:780-2, Nov 70
Specific interaction of tobacco mosaic virus RNA with Q beta-replicase. Okada Y, et al.
Virology 43:69-74, Jan 71
[New observations on the occurrence of a RNA-dependent DNA-polymerase]
Dtsch Med Wochenschr 96:658, 9 Apr 71 (Ger)

RADIATION EFFECTS

Photohydration of uridine in the ribonucleic acid of coliphage R17. Lethality of uridine photohydrates and nonlethality of cyclobutane-type photodimers.
Remsen JF, et al. Biochemistry 10:524-9, 2 Feb 71
Interferon induction by and infectivity of ultraviolet-irradiated double- and multistranded viral RNA's. Falcoff R, et al.
Biochim Biophys Acta 217:195-8, 17 Sep 70
Inactivation by ultraviolet radiation at different wavelengths of the RNA isolated from potato virus X. Govierda, et al.
Photochem Photobiol 12:345-53, Nov 70
[Chemical modification of viral ribonucleic acid. IX. The effect of ultraviolet irradiation on TMV-RNA and other polynucleotides. Singer B.
Virology 45:101-7, Jul 71
[Comparative study of the lethal and mutagenic action of chemical agents and radiations on the MS2 bacteriophage and its infectious RNA] Krivisky AS, et al.
Arch Roum Pathol Exp Microbiol 28:866-76, Dec 69 (Fre)

THERAPEUTIC USE

[Interferon induction in the bodies of various animals using different stimulators] Oganesian RKh, et al.
Vopr Virusol 15:287-91, May-Jun 70 (Rus)

RNA VIRUSES (B4)

Sero-epidemiological study of rat virus infection in a closed laboratory colony. Robinson GW, et al.
Am J Epidemiol 94:91-100, Jul 71
Deoxyribonucleic acid synthesis in cultured porcine kidney cells infected with hog cholera virus. Pirtle EC, et al. Am J Vet Res 31:1795-9, Oct 70
A mutant of hog cholera virus inducing interference in swine testicle cell cultures. Shimizu Y, et al.
Am J Vet Res 31:1787-94, Oct 70
Studies on new virus isolates recovered in tracheal organ culture. McIntosh K, et al.
Ann NY Acad Sci 174:983-9, 30 Oct 70
Effect of statolon on lactate dehydrogenase virus infection in mice. Crispens CG Jr.
Arch Gesamte Virusforsch 31:191-5, 1970
Abnormalities in laying chickens following exposure to infectious bronchitis virus at one day old. Crinion RA, et al. Avian Dis 15:42-8, Jan-Mar 71
Pathogenesis of oviduct lesions in immature chickens following exposure to infectious bronchitis virus at one day old. Crinion RA, et al.
Avian Dis 15:32-41, Jan-Mar 71
Measurement of antigenic and pathogenic variability of infectious bronchitis virus strains by trachea. Johnson RB, et al. Avian Dis 15:233-41, Apr-Jun 71
Amino terminal peptides of RNA phage proteins synthesized in the cell free system. Osborn M, et al.
Biochem Biophys Res Commun 41:748-56, 9 Nov 70
The role of viruses as a possible cause of human cancer.
Robbins FC. Del Med J 43:44, Feb 71
Comments on immunologic and biological relationships among the C-type viruses. Deinhardt F.
J Am Vet Med Assoc 158:Suppl 2:1104+, 15 Mar 71
Structural and immunologic relationships among mammalian C-type viruses. Gilden RV, et al.
J Am Vet Med Assoc 158:Suppl 2:1099+, 15 Mar 71 (29 ref.)
The effect of induced chronic viral infections on the immunologic diseases of New Zealand mice. Tonietti G, et al. J Exp Med 132:89-109, 1 Jul 70
Electron microscopic evidence of Nariva virus structure. Walder R. J Gen Virol 11:123-8, May 71
Deposition of immune complexes in the kidneys of mice infected with lactic dehydrogenase virus. Porter DD, et al. J Immunol 106:1284-6, May 71
Community-wide outbreak of infection with a 229E-like coronavirus in Tecumseh, Michigan. Cavallaro JJ, et al. J Infect Dis 122:272-9, Oct 70
Histoproliferative effect of Rauscher leukemia virus on lymphatic tissue. 3. Alterations in the thymic-dependent area induced by the passenger lactic dehydrogenase virus. Snodgrass MJ, et al.
J Natl Cancer Inst 45:741-59, Oct 70
Ibaraki virus, an agent of epizootic disease of cattle resembling bluetongue. IV. Physicochemical and serological properties of the virus. Inaba Y, et al.
Jap J Microbiol 14:351-60, Sep 70
Production of recessive lethals in Drosophila by viruses non-infectious for the host. Gershenson S, et al.
Mutat Res 11:163-73, Feb 71
Viral-induced mutagenesis: tests in Gallus domesticus.
Thelen TH, et al. Mutat Res 9:425-33, Apr 70
Interaction of Mycoplasma gallisepticum, mild strains of Newcastle disease virus and infectious bronchitis virus in chickens. Omuro M, et al.
Natl Inst Anim Health Q (Tokyo) 11:83-93, Summer 71
Influence of Newcastle disease and infectious bronchitis live vaccines on chickens infected with Mycoplasma gallisepticum. Suzuki K, et al.
Natl Inst Anim Health Q (Tokyo) 11:94-9, Summer 71
Replication of murine and feline RNA-containing C-type viruses in human lymphoblastoid cells.
Hampar B, et al. Nature (Lond) 228:857-8, 28 Nov 70
A human C-type virus. Nature (Lond) 232:87, 9 Jul 71
What price the crusade for cancer research?
Nature [New Biol] 230:225-6, 21 Apr 71
Ultrastructural comparison of a virus from a Rhesus-monkey mammary carcinoma with four oncogenic RNA viruses. Kramarsky B, et al.
Proc Natl Acad Sci USA 68:1603-7, Jul 71
Serological and structural properties of Mason-Pfizer monkey virus isolated from the mammary tumor of a Rhesus monkey. Nowinski RC, et al.
Proc Natl Acad Sci USA 68:1608-12, Jul 71
DNA and the RNA viruses. Spiegelman S.
Proc R Soc Lond [Biol] 177:87-108, 16 Feb 71
Common properties of the oncogenic RNA viruses (oncornaviruses). Nowinski RC, et al.
Virology 42:1152-7, Dec 70
[Possible interference between some ribonucleic acid viruses and rabies virus] Vieuchange J.
Bull Acad Natl Med (Paris) 154:825-9, 1-8 Dec 70 (Fre)
[Study by immuno-diffusion of several antigenic properties of bovine mucosal disease virus strains isolated in France] Faye P, et al.
Bull Acad Vet Fr 43:409-13, Nov 70 (Fre)
[Study of a virus isolated from bee larvae with European foul-brood] Giauffret A, et al.
Bull Acad Vet Fr 42:801-7, Oct 69 (Fre)
[The role of grain-mould-beetle Alphitobius diaperinus in spreading of infectious bronchitis in chickens] Stuke P, et al.
Dtsch Tieraerztl Wochenschr 77:38-41, 15 Jan 70 (Ger)
[Etiopathogenesis and epizoology of infectious avian bronchitis] Papparella V.
Acta Med Vet (Napoli) 15:57-72, Jan-Apr 69 (103 ref.) (Ita)
[Topics on RNA oncogenic virus] Oashi M.
Jap J Cancer Clin 16:1149-50, 1970 (Jap)
[Corona virus] Tsunoda A.
Naika 26:435-40, Sep 70 (Jap)
[Comparative ultrastructural studies on the type C virus particles (RNA tumor viruses) in various animals] Kodama T.
Protein Nucleic Acid Enzyme (Tokyo) 16:279-87, Apr 71 (56 ref.) (Jap)
[Early phases of infections of cells with animal RNA viruses] Crainic R.
Stud Cercet Inframicrobiol 21:413-32, 1970 (69 ref.) (Rum)
[Some conditions for realization of viral oncogenic properties] Kriukova IN.
Usp Sovrem Biol 71:85-106, Jan-Feb 71 (206 ref.) (Rus)
[Replication complexes of some RNA viruses] Zhdanov VM. Vestn Akad Med Nauk SSSR 26:3-13, 1971 (Rus)
[Serological examinations of some species of wild and domestic birds for prevalence of infectious and oncogenic avian viruses] Voronin ES, et al.
Vopr Virusol 15:213-7, Mar-Apr 70 (Rus)
[Immunization against Argentinian hemorrhagic fever using an attenuated strain of Junin virus. IV. Evaluation of clinical and immunological results] Parodi AS, et al.
Medicina (B Aires) Suppl 1:3-7, Sep 70 (Spa)
[Argentine hemorrhagic fever] Sabattini MS, et al.
Medicina (B Aires) Suppl 1:111+, Sep 70 (201 ref.) (Spa)
[Level of antibodies against Junin virus in a group of laboratory personnel] Teysie AR, et al.
Medicina (B Aires) 31:113-6, Mar-Apr 71 (Spa)
[Virus and cancer] Vicente J.
Rev Clin Esp 118:395-408, 15 Sep 70 (150 ref.) (Spa)
[Study of changes induced by virus of epidemic parotitis in some cell cultures] Maksimovich NA, et al.
Mikrobiol Zh 32:256-63, 1970 (Ukr)

ANALYSIS

[Visna virus: isolation of a molecule of high molecular weight ribonucleic acid] Brahic M, et al.
C R Acad Sci [D] (Paris) 272:2115-8, 19 Apr 71 (Fre)

CLASSIFICATION

Bovine viral diarrhea virus-host cell interactions: serotypes and their relationship to biotypes by cross neutralization. Fernelius AL, et al.
Am J Vet Res 32:229-36, Feb 71
A comparison of bluetongue virus and EHD virus: electronmicroscopy and serology. Thomas FC, et al.
Can J Comp Med 35:22-7, Jan 71
Two African viruses serologically and morphologically related to rabies virus. Shope RE, et al.
J Virol 6:690-2, Nov 70
Characterization studies of the Pichinde virus-a member of the arenavirus group. Mifune K, et al.
Proc Soc Exp Biol Med 136:637-44, Feb 71
[New group of viruses: corona viruses] Zakstel'skaia LIa, et al.
Vestn Akad Med Nauk SSSR 26:64-9, 1971 (18 ref.) (Rus)

DRUG EFFECTS

Photodynamic inactivation of lipid containing RNA viruses by chlorophyllin. Drzeniek R, et al.
Boll Chim Farm 110:20-4, Jan 71
[Study of antiviral effect of chlorine-substituted benzoquinine and hydroquinine] Ratner LS, et al.
Farmakol Toksikol 34:80-3, 1971 (Rus)
[The effect of formaldehyde on MM virus and its ribonucleic acid] Portokala R, et al.
Vopr Virusol 15:742-8, Nov-Dec 70 (Rus)
[Presence of an inhibitor factor of Junin virus in the brain of the normal adult rat] Garay RP, et al.
Medicina (B Aires) Suppl 1:67-76, Sep 70 (Spa)

ENZYMOLOGY

The development and use of an extracellular RNA replicating system. Spiegelman S.
Harvey Lect 64:1-67, 1968-69 (63 ref.)
Reversed genetic transcription and viruses in human cancer. Lancet 2:1349-50, 26 Dec 70
Reverse transcriptase in type C virus particles of human origin. Gallo RC, et al.
Nature [New Biol] 232:140-2, 4 Aug 71
DNA polymerase activities and nucleic acid components of virions isolated from a spontaneous mammary carcinoma from a rhesus monkey. Schlom J, et al. Proc Natl Acad Sci USA 68:1613-7, Jul 71
RNA-dependent DNA polymerase activity in five RNA viruses: divalent cation requirements. Scolnick E, et al. Proc Natl Acad Sci USA 67:1789-96, Dec 70

GROWTH & DEVELOPMENT

Persistent infection of an established porcine kidney cellline with selected strains of hog cholera virus.
Mengeling WL, et al. Am J Vet Res 31:2019-24, Nov 70
Plaque production by hog cholera virus. Bekkum JG van, et al. Arch Gesamte Virusforsch 32:185-200, 1970
Hog cholera virus infection in tracheal organ cultures.
Mengeling WL, et al.
Arch Gesamte Virusforsch 32:359-64, 1970
Adaptation and propagation of avian infectious bronchitis virus in embryonic turkey kidney cell cultures. Coria MF, et al. Avian Dis 15:22-7, Jan-Mar 71
Cell culture propagation of neonatal calf diarrhea (scours) virus. Mebus CA, et al.
Can Vet J 12:69-72, Mar 71
A plaque assay for enumerating antigen-sensitive cells in delayed-type hypersensitivity. Bloom BR, et al.
J Exp Med 132:16-30, 1 Jul 70
Reversal of information flow in the growth of RNA tumor viruses. Baltimore D.
N Engl J Med 284:273-5, 4 Feb 71
[Particles of viral asepct in stomach cells of the cuttle-fish Sepia officinalis L. (Mollusca, Cephalopoda)] Devauchelle G, et al.
C R Acad Sci [D] (Paris) 272:894-6, 8 Feb 71 (Fre)
[Multiplication and spread of hog cholera virus, Strain Munich-1, in PK-15 cell cultures] Danner K, et al.
Zentralbl Veterinaermed [B] 17:353-62, Mar 70 (Ger)
[Multiplication kinetics and usefulness of a highly cytopathogenic VD-MD virus strain in diagnostic studies using the microtiter method)] Frey HR, et al.
Zentralbl Veterinaermed [B] 18:61-71, 1 Feb 71 (Ger)
[Factors determining the level of virus production. 2. The effect of conditions of cultivation on the production of several RNA-containing viruses] Novokhatskii AS, et al.
Vopr Virusol 15:663-7, Nov-Dec 70 (Rus)

IMMUNOLOGY

Neutralization of equine arteritis virus: enhancing effect of guinea pig serum. Hyllseth B, et al.
Arch Gesamte Virusforsch 32:337-47, 1970
Criteria for examining the immune response to infectious bronchitis virus. Winterfield RW, et al.
Avian Dis 15:56-67, Jan-Mar 71
Characteristics of an isolate of infectious bronchitis virus from chickens in Florida. Winterfield RW, et al.
Avian Dis 15:305-11, Apr-Jun 71
Lactic dehydrogenase virus-induced immune complex type of glomerulonephritis. Oldstone MB, et al.
J Immunol 106:1260-3, May 71
A soluble antigen of infectious bronchitis virus. Hironao T, et al. Jap J Microbiol 14:495-500, Nov 70
The filter paper disc technique for the detection of antibodies against hog cholera virus. Carbrey EA, et al. Proc US Anim Health Assoc 73:361-70, 1969
Agglutination of cells infected with myxoviruses by concanavalin A. Becht H, et al.
Z Med Mikrobiol Immunol 156:305-8, 1971
The incidence and trends of Parainfluenza 3, bovine viral diarrhoea, and Pasteurella haemolytica antibody

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

titers in the serum of young cattle in the Netherlands. Goedemans WT.
Zentralbl Veterinaermed [B] 17:757-64, Aug 70
[Immunohistological studies on swine fever. I. Method of localization of the swine pest virus in the organ tissue of experimentally infected swine using direct immunofluorescence in conjunction with Evan's blue contrast staining] Engler E, et al.
Arch Exp Veterinaermed 24:481-501, 1970 (Ger)
[The production of serum precipitins as evidence of the virus of infectious bronchitis, infectious laryngotracheitis and fowl pox, as well as of avian adenovirus (CELO)] Schmidt U.
Arch Exp Veterinaermed 24:581-6, 1970 (Ger)
[Applicability of tissue culture antigens to the detection of infectious bronchitis, infectious laryngotracheitis, fowl pox and CELO virus infection by the agar gel precipitation test] Schmidt U.
Arch Exp Veterinaermed 23:1095-9, Nov 69 (Ger)
[Multiplication and spread of hog cholera virus, Strain Munich-1, in PK-15 cell cultures] Danner K, et al.
Zentralbl Veterinaermed [B] 17:353-62, Mar 70 (Ger)
[Detection of antibodies against hog cholera virus, Chinese strain. I. Laboratory tests] Titoli F, et al.
Arch Vet Ital 21:399-411, 31 Dec 70 (Ita)
[A simple method of obtaining a complement fixation antigen of Junin virus] Barrera Oro JG.
Medicina (B Aires) Suppl 1:22-7, Sep 70 (Spa)

ISOLATION & PURIFICATION

Viral and mycoplasmal infections in minor respiratory illnesses and nonstreptococcal pharyngitis. A search for coronaviruses using fetal trachea organ cultures. Schaaff DM, et al. Am Rev Resp Dis 104:41-51, Jul 71
Plaque assay for pneumonia virus of mice. Shimonaski G, et al. Appl Microbiol 20:775-7, Nov 70
Purification, morphology and partial characterization of a reovirus-like agent associated with neonatal calf diarrhea. Welch AB.
Can J Comp Med 35:195-202, Jul 71
Isolation and propagation of a virus from a spontaneous mammary carcinoma of a rhesus monkey. Jensen EM, et al. Cancer Res 30:2388-93, Sep 70
Purification of RNA bacteriophage MS2 by molecular sieve chromatography. Yoshinaga K, et al.
J Biochem (Tokyo) 69:425-7, Feb 71
Recovery of infectious bronchitis virus from eggs and chicks produced by experimentally inoculated hens. Cook JK. J Comp Pathol 81:203-11, Apr 71
Further studies on neonatal calf diarrhea virus. Mebus CA, et al. Proc US Anim Health Assoc 73:97-9, 1969
The laboratory diagnosis of bovine virus diarrhea by fluorescent antibody. Smithies LK, et al.
Proc US Anim Health Assoc 73:539-50, 1969
[Pathology of Argentine hemorrhagic fever] Eisner B, et al. Medicina (B Aires) 1:85-94, Sep 70 (Spa)
[Evaluation of a method of purification of Junin virus] Help GI, et al.
Medicina (B Aires) Suppl 1:15-21, Sep 70 (Spa)

METABOLISM

Complementary RNAs in paramyxovirions and paramyxovirus-infected cells. Portner A, et al.
Nature (Lond) 228:1196-7, 19 Dec 70
Virus specific RNA in cells transformed by RNA tumour viruses. Green M, et al.
Nature [New Biol] 230:229-32, 21 Apr 71

PATHOGENICITY

Strain difference in sex ratio response of mice to lactate dehydrogenase virus infection. Crispens CG Jr, et al. Experientia 27:41-2, 15 Jan 71
Infectivity of cell cultures by a virus isolated from a mammary carcinoma of a rhesus monkey. Chopra HC, et al. J Natl Cancer Inst 46:127-37, Jan 71
Transformation of murine cells by two "slow viruses," visna virus and progressive pneumonia virus. Takemoto KK, et al. J Virol 7:770-5, Jun 71
Transmission of double stranded RNA viruses to a strain of Penicillium stoloniferum through heterokaryosis. Lhoas P.
Nature (Lond) 230:248-9, 26 Mar 71
Potentiation of murine sarcoma virus (Harvey) (Moloney) oncogenicity in lactic dehydrogenase-elevating-virus-infected mice. Turner W, et al. Proc Soc Exp Biol Med 136:1314-8, Apr 71
In vitro study of Bovine Virus Diarrhea virus: interactions with some selected viruses. Angulo AB, et al. Proc US Anim Health Assoc 73:551-9, 1969
Clinical and serologic response of American white-collared peccaries to African swine fever, foot-and-mouth disease, vesicular stomatitis, vesicular exanthema of Swine, hog cholera, and rinderpest viruses. Dardiri AH, et al.
Proc US Anim Health Assoc 73:437-52, 1969
[Transformation and differentiation of renal tissue by an oncogenic RNA virus] Lacour F, et al.
Bull Cancer (Paris) 57:335-44, Jul-Sep 70 (Fre)
[Data on virus induced tumor genesis--RNA tumors] Bauer H. Verh Dtsch Ges Inn Med 75:558, 1969 (Ger)
[Comparative studyof prototype and vaccinating strains of Junin virus (E.H.F.)] Coto CE, et al.
Medicina (B Aires) Suppl 1:45-9, Sep 70 (Spa)
[Cytochemical changes in Vero cells infected with various viruses of the Tacaribe group] De Tkaczevski LZ, et al.
Medicina (B Aires) Suppl 1:28-37, Sep 70 (Spa)

ROBAXIN see METHOCARBAMOL (D5)

ROCKY MOUNTAIN SPOTTED FEVER (C1)

OCCURRENCE

Rocky Mountain spotted fever in Virginia: clinical and epidemiologic features. Rothenberg R, et al.
J Med Entomol 7:663-9, Dec 70
Tick-borne typhus (Rocky Mountain spotted fever). Epidemiologic trends, with particular reference to Virginia. Peters AH. JAMA 216:1003-7, 10 May 71
Epidemiology of Rocky Mountain spotted fever and murine typhus. Older JJ. Tex Med 66:42-5, Dec 70

PATHOLOGY

Clinicopathological conference. Febrile exanthem in 14-year-old boy with subsequent development of coagulopathy. Moon JH, et al.
Va Med Mon 98:271-8, May 71

RODENT CONTROL (G3)

see also related
RODENTICIDES (D3)

Super rats? Br Med J 3:723, 26 Sep 70
Epidemiological studies on the 1967-68 foot-and-mouth disease epidemic. The possible spread of infection by farm rats (Rattus norvegicus). Hugh-Jones ME.
Br Vet J 126:368-71, Jul 70
Control of the susceptibility of rats (Rattus norvegicus) to anticoagulant rodenticides, in Gdynia--port and city. Przyborowski T, et al.
Bull Inst Mar Med Gdansk 21:225-8, 1970
Social factors in the poison avoidance and feeding behavior of wild and domesticated rat pups. Galef BG Jr, et al. J Comp Physiol Psychol 75:341-57, Jun 71
Warfarin-resistant rats.
R Soc Health J 90:289, Nov-Dec 70
[Bactocoumarin--a highly effective agent against rodents] Avramenkov LI, et al.
Veterinariia 10:36-8, Oct 70 (Rus)
[Rat control on poultry farms] Leont'ev AK, et al.
Veterinariia 10:39, Oct 70 (Rus)

RODENT DISEASES (C15)

Herpesvirus infection of guinea pigs. I. Isolation, characterization and pathogenicity. Hsiung GD, et al.
Am J Epidemiol 93:298-307, Apr 71
Herpesvirus infection of guinea pigs. II. Transplacental transmission. Lam KM, et al.
Am J Epidemiol 93:308-13, Apr 71
Morphologic and microbiologic features of trachea and lungs in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:115-29, Jan 71
[Cuticular ridge systems in Nematoda: Heligmosomatidae, parasites of Australian Muridae] Durette-Desset MC.
Ann Parasitol Hum Comp 44:733-47, Nov-Dec 69
Observations on tissue schizogony and sporogony of rodent malaria. Bafort J, et al.
Ann Soc Belg Med Trop 48:535-40, 1968
Babesia hylomysci n. sp., a new Babesia from the Congo, transmissible to mice. Bafort JM, et al.
Ann Soc Belg Med Trop 50:301-17, 1970
An outbreak of hexamitiasis in laboratory mice. Lussier G, et al. Can J Comp Med 34:350-3, Oct 70
Insulin of spiny mice (Acomys cahirinus)--partial characterization and evidence for two insulins. Balant L, et al. Endocrinology 88:517-21, Feb 71
Insulin resistance in genetically obese, hyperglycemic mice. Genuth SM, et al.
Endocrinology 88:1230-8, May 71
Foot-and-mouth disease in the brown rat.
Capel-Edwards M. J Comp Pathol 80:543-8, Oct 70
Sexual dimorphism in beaver neutrophils. Larson JS, et al. J Mammal 52:212-5, Feb 71
Prostatic hyperplasia and neoplasia in female Praomys (Mastomys) natalensis. Holland JM.
J Natl Cancer Inst 45:1229-36, Dec 70
Development of subperiodic Brugia malayi in the jird, Meriones unguiculatus, with notes on infections in other rodents. Ash LR, et al.
J Parasitol 56:969-73, Oct 70
Development of Brugia pahangi in the jird, Meriones unguiculatus, with notes on infections in other rodents. Ash LR, et al. J Parasitol 56:962-8, Oct 70
Studies on sylvatic echinococcosis. 3. Host occurrence and geographic distribution of Echinococcus multilocularis in the north central United States. Leiby PD, et al. J Parasitol 56:1141-50, Dec 70
Eimeria callosciuri n. sp. (Protozoa: Eimeriidae) from Prevost's squirrel Callosciurus prevostii Demarest, 1822 in Malaysia. Colley FC.
J Protozool 18:199-200, May 71
The oocysts of Eimeria vermiformis sp. n. and E. papillata sp. n. (Protozoa: Eimeriidae) from the mouse Mus musculus. Ernst JV, et al.
J Protozool 18:221-3, May 71
Experimental encephalopathy in Tyzzer's disease of mice. Onodera T, et al.
Jap J Exp Med 40:259-323, Aug 70
Obesity predisposes to pregnancy toxemia (ketosis) of guinea pigs. Ganaway JR, et al.
Lab Anim Sci 21:40-4, Feb 71
Amyloidosis and renal paramyloid in a closed hamster colony. Gleiser CA, et al.
Lab Anim Sci 21:197-202, Apr 71
Trichosomoides crassicauda infection of a commercial rat breeding colony. I. Observations on the life cycle and propagation. Weisbroth SH, et al.
Lab Anim Sci 21:54-61, Feb 71
Sex difference in the number of adipose cells from genetically obese rats. Lemonnier D.
Nature (Lond) 231:50, 7 May 71
A poxvirus infection of gerbils in Uganda. Bradley DJ, et al. Trans R Soc Trop Med Hyg 65:26, 1971
[Spontaneous infestation of Phlebotomus ariasi by Rictularia proni, spirurid parasite of the field-mouse. Are the burrows of the field-mouse shelters for the larvae of Phlebotomus?] Rioux JA, et al.
Ann Parasitol Hum Comp 44:757-60, Nov-Dec 69 (Fre)
[The latex test in the serologic diagnosis of murine angiostrongylosis] Mishra GS, et al.
Bull Soc Pathol Exot 63:709-16, Nov-Dec 70 (Fre)
[Study of Angiostrongylus cantonensis (Chen, 1935) in the Upper Volta Republic. II. Results of the 2d survery in the urban zone of Bobo-Dioulasso] Scholihammer G, et al.
Bull Soc Pathol Exot 62:731-3, 1969 (Fre)
[Coexistence of congeneric species of nematode Heligmosomatidae in the intestine of African rodents] Durette-Desset MC.
C R Acad Sci [D] (Paris) 270:2355-8, 11 May 70 (Fre)
[Study of the complement level of sera of NZB-B1 and NZB-B1 X NZW F 1 mice] Letourneux M, et al.
C R Acad Sci [D] (Paris) 270:2391-3, 11 May 70 (Fre)
[Histological study of the changes in the skin of atrichous AG Wistar rats] Dadoune JP, et al.
C R Soc Biol (Paris) 164:979-84, 1970 (Fre)
[Parasitologic and immunobiologic studies on the rodent filariasis caused by Dipetalonema vitea] Weiss N. Acta Trop (Basel) 27:219-59, 1970 (Ger)
[Enzymatic characteristics of a spontaneous adenocarcinoma of the submaxillary gland of a C3H mouse] Frati L, et al.
Boll Soc Ital Biol Sper 45:568-72, 15 May 69 (Ita)
[Appearance of tumors of the kidney in a subline of RIII-Dm-Se mice] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 30:73-88, 1970 (Ita)
[Methods of field study of great gerbils (Rhombomys opimus) in estimation of the level of their infection rate with cutaneous lesshmaniasis] Eliseev LN, et al.
Med Parasitol (Mosk) 39:81-8, Jan-Feb 70 (Rus)
[Pseudotuberculosis in Transcarpathian region] Sakal' MM, et al. Mikrobiol Zh 32:579-84, Sep-Oct 70 (Ukr)

BLOOD

Pathogenesis of anaemia in Trypanosoma evansi infection. I. Haematology. Jatkar PR, et al.
Indian Vet J 48:239-44, Mar 71

CHEMICALLY INDUCED

Experimental myocarditis: enhancement by the use of pertussis vaccine in Lewis rats. Friedman I, et al.
Experientia 26:1144-5, 15 Oct 70
The production of congenital defects in rats using antisera. Barrow MV, et al. J Exp Zool 176:41-59, Jan 71

DIAGNOSIS

A search for natural antibody against feline and murine leukemia antigen by mixed hemadsorption test. Maruyama K, et al.
J Am Vet Med Assoc 158:Suppl 2:1076+, 15 Mar 71
An evaluation of the mouse antibody production test for detecting three murine viruses. Lewis VJ, et al.
Lab Anim Sci 21:203-5, Apr 71
[Serodiagnosis of ectromelia in laboratory mice] Rohde W, et al.
Arch Exp Veterinaermed 24:655-60, 1970 (Ger)
[Serological diagnosis of virus infections in mouse and rat colonies] Ohder H.
Z Versuchstierkd 13:137-50, 1971 (Ger)

DRUG THERAPY

1-Methylisatin 3-thiosemicarbazone treatment of NZB x NZW hybrid mice. Gabriel R.
Br J Exp Pathol 52:271-5, Jun 71
Chemotherapy of hamster tumors. Sugiura K, et al.
Cancer Chemother Rep [Suppl] 2:141-75, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

EMBRYOLOGY

The developmental effects of congenital hydrocephalus (ch) in the mouse. Green MC. Dev Biol 23:585-608, Dec 70

ENZYMOLOGY

Enzymatic changes in scrapie agent-infected mouse brain. Buening GM, et al. Am J Vet Res 32:959-66, Jun 71
Liver esterase abnormalities in hereditary neurological diseases of mice. Tsuji S, et al. Experientia 27:258-9, 15 Mar 71

ETIOLOGY

Spontaneous glomerulosclerosis in the rat. Effect of nephrectomy and irradiation of the contralateral kidney. Elema JD, et al. Arch Pathol 91:418-25, May 71
Induction of obesity in obese-hyperglycaemic mice on normal food intake. Chlouverakis C. Experientia 26:1282-3, 15 Nov 70
Hemorrhagic kidney degeneration in choline deficiency. Wells IC. Fed Proc 30:151-4, Jan-Feb 71
Genital mycoplasmosis in rats treated with testosterone propionate to produce constant estrus. Leader RW, et al. J Am Vet Med Assoc 157:1933-5, 1 Dec 70
Respiratory disease in a colony of rats. I. The natural disease. Lane-Petter W, et al. J Hyg (Camb) 68:655-62, Dec 70
Study of autoimmune disease in New Zealand mice. IV. Immunologic reactivity and reticuloendothelial function. Braverman IM, et al. J Invest Dermatol 55:317-24, Nov 70
Leishmania hertigi sp. n., from the tropical porcupine, Coendou rothschildi Thomas. Herrer A. J Parasitol 57:636-9, Jun 71
Angiostrongylus schmidti sp. n. (Nematoda: Metastrongyloidea) from the rice rat, Oryzomys palustris, in Florida, with a key to the species of Angiostrongylus Kamensky, 1905. Kinsella JM. J Parasitol 57:494-7, Jun 71
Demodex gapperi sp. n. (Acari: Demodicidae) from the red-backed vole, Clethrionomys gapperi. Nutting WB, et al. J Parasitol 57:660-5, Jun 71
Notes on Gongylonema pulchrum Molin, 1857 (Nematoda: Spiruridae) in the gray squirrel in southwestern Virginia. Parker JC, et al. J Parasitol 57:629, Jun 71
Quantitative studies of pseudorabies virus in mink, ferrets, rabbits and mice. Goto H, et al. Jap J Vet Sci 33:145-53, Jun 71
Radiation sensitivity of New Zealand black mice and the development of autoimmune disease and neoplasia. Morton JI, et al. Proc Natl Acad Sci USA 68:124-6, Jan 71
[Introduction of mass psychology in animals to pharmacology. 5. On the relationship between convulsion, movement, sex difference and stimulation time in E1-mice] Hata T, et al. Folia Pharmacol Jap 66:435-41, 20 Jul 70 (Jap)
[Introduction of mass psychology in animals to pharmacology. 6. Mutural relation in simultaneity convulsion and non-convulsin in E1-mice] Kita T, et al. Folia Pharmacol Jap 66:449-57, 20 Jul 70 (Jap)
[Symposium--drug action and animal behavior. 5. Psychopharmacological studies on mutural relations in induced convulsion of E1-mice] Kita T, et al. Folia Pharmacol Jap 66:79-80, 20 Jul 70 (Jap)
[Attenuated acriflavin-fast Erysipelothrix insidiosa. Relationship between its capability to cause arthritis in mice and immunogenicity in swine] Seto K, et al. Jap J Vet Sci 33:161-71, Aug 71 (Jap)
[On the susceptibility of DBA-2 inbred mouse to audiogenic seizure] Ikedah, et al. Psychiatr Neurol Jap 72:1047-50, Nov 70 (Jap)
[Pathogenesis of pasteurellosis in nutria] Zograbian LI, et al. Veterinariia 9:61-2, Sep 70 (Rus)

FAMILIAL & GENETIC

Natural resistance to plague: genetic basis in the vole (Microtus californicus). Hubbert WT, et al. Am J Trop Med Hyg 19:1015-9, Nov 70
Reoccurrence of four-row rodless mice. Keeler CE. Arch Ophthalmol 84:499-504, Oct 70
Splenomegaly and haematologic disorders of the Gunn rat. Loxzio BB, et al. Br J Haematol 19:543-54, Oct 70
Spastic, an hereditary neurological mutation in the mouse characterized by vertebral arthropathy and leptomeningeal cyst formation. Meier H, et al. Exp Med Surg 28:24-36, 1970
Evidence for allelism of leaner and tottering in the mouse. Tsuji S, et al. Genet Res 17:83-8, Feb 71
Mechanism of development of hereditary cataract in mice. Iwata S, et al. Invest Ophthalmol 10:504-12, Jul 71
The glandular aspects of the tabby syndrome in the mouse. Grüneberg H. J Embryol Exp Morphol 25:1-19, Feb 71
Hypodactyly, a semidominant lethal mutation in mice. Hummel KP. J Hered 61:219-20, Sep-Oct 70
A new hereditary degeneration of the mouse retina. Keeler C. J Hered 61:62-3, Mar-Apr 70
Kidney malformations in fetuses of A x C line 9935 rats. Fujikura T. Teratology 3:245-9, Aug 70

IMMUNOLOGY

Immunosuppression in rodent malaria. Effect upon recovery and antibody response. Barker LR, et al. Am J Trop Med Hyg 20:389-93, May 71
Immunization of mice and chinchillas against Pseudomonas aeruginosa. Lusis PI, et al. Can J Comp Med 35:80-6, Jan 71
Depletion of long-lived lymphocytes in old New Zealand black mice. Denman AM, et al. Clin Exp Immunol 6:457-72, Apr 70
Renal disease in (NZB x NZW) F1 mice treated with antilymphocytic antibody. II. Effects of restoration with isogeneic, allogeneic, and xenogeneic lymphoid cells. Denman AM, et al. Clin Exp Immunol 6:841-59, Jun 70
Suppression of autoimmune disease in New Zealand mice associated with infection with malaria. I. (NZBxNZW) F1 hybrid mice. Greenwood BM, et al. Clin Exp Immunol 7:793-803, Dec 70
Suppression of autoimmune disease in New Zealand mice associated with infection with malaria. II. NZB mice. Greenwood BM, et al. Clin Exp Immunol 7:805-15, Dec 70
Genesis of antinuclear antibody in NZB-W mice: role of genetic factors and of viral infections. Lambert PH, et al. Clin Exp Immunol 6:829-39, Jun 70
Ascaris suum: immune reactions in mice. II. Metabolic and somatic antigens from in vitro cultured larvae. Guerrero J, et al. Exp Parasitol 29:110-5, Feb 71
Plasmodium berghei: resistance to infection in group and individually housed mice. Plaut SM. Exp Parasitol 29:47-52, Feb 71
Serological survey of small mammals in the South Indian plague focus. Krishnaswami AK, et al. Indian J Med Res 58:1407-12, Oct 70
Antibodies to arboviruses in rodent sera. Abdel-Wahab KS, et al. J Egypt Public Health Assoc 45:370-5, 1970
Pathogenesis of immune complex glomerulonephritis of New Zealand mice. Dixon FJ, et al. J Exp Med 134:Suppl:65s-71s, 1 Sep 71
Wild-type Gross leukemia virus and the pathogenesis of the glomerulonephritis of New Zealand mice. Mellors RC, et al. J Exp Med 133:113-32, 1 Jan 71
Immune cell cooperation, viruses, and antibodies to nucleic acids in New Zealand mice. Talal N, et al. J Exp Med 134:Suppl:52s-64s, 1 Sep 71
Murine malaria: the role of humoral factors and macrophages in destruction of parasitized erythrocytes. Criswell BS, et al. J Immunol 107:212-21, Jul 71
Role of C5 in the nephritis of NZB-W mice. Lanier BG, et al. J Immunol 106:740-6, Mar 71
Resistance of AKR mice to lymphoid leukemia associated with a chronic protozoan infection, Besnoitia jellisoni. Lunde MN, et al. J Natl Cancer Inst 47:485-8, Aug 71
Immunogenicity of the newborn larva of Trichinella spiralis. Despommier DD. J Parasitol 57:531-4, Jun 71
Immunity produced against Taenia ovis and T. taeniaeformis infection in lambs and rats following in vivo growth of their larvae in filtration membrane diffusion chambers. Rickard MD, et al. J Parasitol 57:571-5, Jun 71
Immunity against Nematospiroides dubius in CFW Swiss Webster mice protected by subcutaneous larval vaccination. Rubin R, et al. J Parasitol 57:815-7, Aug 71
Protective cross-immunity between Trypanosoma cruzi and T. lewisi. Kloetzel J, et al. Rev Inst Med Trop Sao Paulo 13:31-6, Jan-Feb 71
Susceptibility of the agouti (Dasyprocta aguti) to foot-and-mouth disease virus. Federer KE. Zentralbl Veterinaermed [B] 16:847-54, Dec 69

METABOLISM

Adrenal steroidogenesis in rats bred for susceptibility and resistance to the hypertensive effect of salt. Rapp JP, et al. Endocrinology 88:52-65, Jan 71
Defective testicular testosterone synthesis by the pseudohermaphrodite rat: an abnormality of 17 beta-hydroxysteroid dehydrogenase. Schneider G, et al. Endocrinology 87:864-73, Nov 70
Preputial gland growth and protein synthesis in the androgen-insensitive male pseudohermaphroditic rat. Sherins RJ, et al. Endocrinology 89:835-41, Sep 71
Fatty acid composition of cerebrosides, sulphatides and ceramides in murine sudanophilic leucodystrophy: the Jimpy mutant. Joseph KC, et al. J Neurochem 18:1639-45, Sep 71
Lipogenesis in adipose tissue from genetically obese rats. Bray GA, et al. Metabolism 19:839-48, Oct 70
Theory for the mechanism of chloroquine resistance in rodent malaria. Howells RE, et al. Nature (Lond) 228:625-8, 14 Nov 70
Neurohypophysial hormones in the pars nervosa of the mouse with hereditary nephrogenic diabetes insipidus. Naik DV, et al. Neuroendocrinology 7:322-8, 1971
[Level of brain amines in a strain of "quaking" mice] Tillement JP, et al. Experientia 27:268, 15 Mar 71 (Fre)
[Characterization of the demyelination disorder in the "jimpy" mouse] Nussbaum JL, et al. J Physiol (Paris) 1:Suppl 1:156, 1969 (Fre)
[Disaccharidase activity and monosaccharide absorption in genetically adipose mice] Grimmel K, et al. Z Klin Chem Klin Biochem 8:570-1, Nov 70 (Ger)

MICROBIOLOGY

Infectivity of three vibrio fetus biotypes for gallbladder and intestines of cattle, sheep, rabbits, guinea pigs, and mice. Bryner JH, et al. Am J Vet Res 32:465-70, Mar 71
Growth characteristics of scrapie agent-infected mouse brain cell cultures. Buening GM, et al. Am J Vet Res 32:953-8, Jun 71
Morphologic and microbiologic features of nasal cavity and middle ear in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:99-114, Jan 71
Isolation of a strain of Mycobacterium lepraemurium from normal laboratory mice. Pattyn SR, et al. Ann Soc Belg Med Trop 49:465-8, 1969
The growth of the virus of epidemic diarrhoea of infant mice (EDIM) in organ cultures of intestinal epithelium. Rubenstein D, et al. Br J Exp Pathol 52:442-5, Aug 71
Cytolytic activity of arboviruses in murine leukemic lymphoblasts. Stim TB, et al. Cancer Chemother Rep [Suppl] 2:57-64, Apr 71
Spontaneous infection of laboratory albino rats with psittacosis-like organism. Yadava JN. Indian J Exp Biol 8:270-2, Oct 70
The present status of the leukemia-sarcoma complex in man and lower animals. Theilen GH. J Am Vet Med Assoc 157:1743-52, 1 Dec 70 (109 ref.)
Subacute pericarditis in a guinea pig caused by Diplococcus pneumoniae. Zydeck FA, et al. J Am Vet Med Assoc 157:1945-7, 1 Dec 70
Host specificity of Brazilian strains of Pasteurella pestis. Burrows TW, et al. Nature (Lond) 229:51-2, 1 Jan 71
Theory for the mechanism of chloroquine resistance in rodent malaria. Howells RE, et al. Nature (Lond) 228:625-8, 14 Nov 70
A new malaria parasite in Hylopetes alboniger Hodgson. Dasgupta B, et al. Parasitology 62:195-7, Apr 71
Intracisternal type A particles and properties of a continuous cell line originating from a gerbil fibroma. Tumilowicz JJ, et al. Proc Soc Exp Biol Med 136:1107-10, Apr 71
[Isolation of a strain of Corynebacterium kutscheri in a guinea pig] Vallée A, et al. Bull Acad Vet Fr 42:797-800, Oct 69 (Fre)
[Control of SPF-status in laboratory animals. Exclusion of specific Mycoplasma infections in rat and mouse] Juhr NC, et al. Beri Munch Tieraerztl Wochenschr 83:470-2, 1 Dec 70 (Ger)
[Odontomyces viscosus, Gen. Nov. Spec. Nov] Onishi M. J Jap Stomatol Soc 37:246, Sep 70 (Jap)
[Trichophytosis among rodents of a vivarium] Pesterov PN. Veterinariia 10:56, Oct 70 (Rus)

MORTALITY

Murine malaria. II. Relationship between number of inoculated parasites (Plasmodium berghei) and survival time. Sengers RC, et al. Exp Parasitol 29:98-102, Feb 71

OCCURRENCE

Goitrous enzootic in the wild rat with a geographical distribution similar to endemic human goitre. Orts S, et al. Acta Endocrinol (Kbh) 66:193-200, Feb 71
Serological and bacteriological investigations of an outbreak of plague in an urban tree squirrel population. Hudson BW, et al. Am J Trop Med Hyg 20:255-63, Mar 71
The rodent reservoir of leptospirae in North Vietnam. Topciu V, et al. Arch Roum Pathol Exp Microbiol 29:331-8, Mar-Jun 70
Arizona infection in snakes, rats and man. Sharma VK, et al. Indian J Med Res 58:409-12, Apr 70
Distribution, relative abundance, food habits, and parasite patterns of giant rats (Rattus) in West Malaysia. Lim BL. J Mammal 51:730-40, Nov 70
The microclimate of simulated burrows of Bandicota bengalensis (g. & h.) in Calcutta, India (Rodentia: Muridae). Mitchell CJ. J Med Entomol 8:61-5, 30 Mar 71
Relative abundance of rats and their ectoparasites in two grain warehouses in Calcutta, India, during 1964-1965. Mitchell CJ. J Med Entomol 8:56-61, 30 Mar 71
On the absence of Trichinella spiralis in Mongooses and rodents in Jamaica. West Indies. Alicata JE, et al. J Parasitol 57:807, Aug 71
Heligmosomoides polygyrus (=Nematospiroides dubius) from wild rodents of northern California:

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

natural infections, host specificity, and strain characteristics. Forrester DJ.
J Parasitol 57:498-503, Jun 71
Helminths from Peromyscus leucopus and P. maniculatus in West Virginia. Zenchak JJ, et al.
J Parasitol 57:542, Jun 71
Leishmaniasis in Brazil. V. Studies on the epidemiology of cutaneous leishmaniasis in Mato Grosso State, and observations on two distinct strains of Leishmania isolated from man and forest animls. Lainson R, et al.
Trans R Soc Trop Med Hyg 64:654-67, 1970
Helminths from Irish small mammals. Clark FL, et al.
Vet Rec 88:523, 15 May 71
On the occurrence of hare lice,. Haemodipsus spp-(Anoplura, hoplopleuridae) on hares, Lepus europaeus, in the Netherlands. Broekhuizen S.
Z Parasitenkd 36:158-68, 1971
[Existence in France of Angiostrongylus (Metastrongyloidea, Nematoda, a parasite of wild rodents)] Doby JM, et al.
Bull Soc Pathol Exot 63:376-81, May-Jun 70 (Fre)
[Some epidemiological aspects of leptospirosis in Morocco. Survey on rats. Conditions peculiar to Meknès] Mailloux M.
Bull Soc Pathol Exot 63:547-57, Sep-Oct 70 (Fre)
[Leptospirosis of wild animals in Italy] Farina R, et al.
Arch Vet Ital 21:127-41, 30 Jun 70 (Ita)
[Leptospirosis of Rattus norvegicus Berk. in the city of Trieste] De Monte T, et al.
Schweiz Arch Tierheilkd 113:201-7, Apr 71 (Ita)
[Anti-Listeria and anti-Brucella agglutinins in rats captured in Rio de Janeiro (Guanabara)] Silva DS da, et al. Rev Bras Med 27:487-90, Oct 70 (Por)
[The seasonal development of epizootics of cutaneous leishmaniasis among Rhombomys opimus under different regional conditions] Dubrovskiĭ IuA, et al.
Med Parazitol (Mosk) 38:443-51, Jul-Aug 69 (Rus)
[Distribution of cutaneous leishmaniasis among the rodents of Northwest Turkmenistan] Dubrovskiĭ IuA, et al. Med Parazitol (Mosk) 38:491-3, Jul-Aug 69 (Rus)
[Use of the fluorescent antibody technic for resolution of several epidemiologic questions concerning tularemia] Kheruvimova IA.
Tr Leningr Inst Epidemiol Mikrobiol 37:259-65, 1970 (Rus)
[Epidemiology of tularemia in the Komi ASSR] Levin AM.
Tr Leningr Inst Epidemiol Mikrobiol 37:235-46, 1970 (Rus)
[Natural foci of leptospirosis in several regions of the North-West RSFSR and their manifestations] Popova EM, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:190-201, 1970 (Rus)
[A study of a natural focus of tularemia in the flood plains of the small rivers of the Leningrad district] Ul'ianova NI, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:230-4, 1970 (Rus)
[Natural zooanthroponosis foci in rural areas of the Pskovsk district] Vershinskiĭ BV, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:202-23, 1970 (Rus)
[The natural focality of erysipeloid in the southeast Riazansk region] Khomiakov AI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:131-3, Mar 70 (Rus)
[Concomitant epidemy and epizooty caused by T. mentagrophytes] González Ochoa A, et al.
Rev Invest Salud Publica 30:185-8, Jul-Sep 70 (Spa)

PATHOLOGY

Experimental infection of golden hamster with Hógyes' fixed strain of rabies virus. Karasszon D.
Acta Vet Acad Sci Hung 20:251-62, 1970
Ultrastructural pathology of glomerular lesions in gnotobiotic mice with congenital lymphocytic choriomeningitis (LCM) virus infection. Kajima M, et al. Am J Pathol 61:117-40, Nov 70
Mastitis in guinea pigs. Gupta BN, et al.
Am J Vet Res 31:1703-7, Sep 70
Electron microscopic comparison of Babesia spp. and hepatic changes in ponies and mice. Simpson CF.
Am J Vet Res 31:1763-8, Oct 70
Viral and morphologic studies on hepatomas in mice of strain C3H-Avy, with observations of a cultured hepatoma. Maca RA, et al.
Arch Geschwulstforsch 36:213-30, 1970
Tyzzer's disease in the rat. Its possible relationship with megaloileitis. Jonas AM, et al.
Arch Pathol 90:516-21 passim, Dec 70
Torticollis in mice due to Pasteurella multocida infection. Savage NL, et al.
Can J Comp Med 35:267-8, Jul 71
Differences in growth and morphology between the spontaneous C3H mammary carcinoma in the mouse and its syngeneic transplants. McCredie JA, et al.
Cancer 27:635-42, Mar 71
Histological observations on a Rathke's cleft abnormality in a laboratory rat. Lansdown AB, et al.
J Comp Pathol 81:141-4, Jan 71
Trichofolliculoma of the guinea pig. Ediger RD, et al.
J Natl Cancer Inst 46:517-23, Mar 71
A polycystic disease of hamsters in a closed colony. Gleiser CA, et al. Lab Anim Care 20:923-9, Oct 70
Bony spicules in guinea pig lung. Kaufmann AF.
Lab Anim Care 20:1002-3, Oct 70
Osteomalacia in captive flying squirrels, Glaucomys volans. Sheldon WG, et al.
Lab Anim Sci 21:229-33, Apr 71
An ultrastructural study of Tyzzer's disease in the Mongolian gerbil (Meriones unguiculatus). Port CD, et al. Lab Invest 25:81-7, Jul 71
Morphological classification of mammary tumours in the mouse. Ebbenhorst Tengbergen WJ.
Pathol Eur 5:260-72, 1970
[Rational control of experimental mice colonies] Hilgenfeld M, et al.
Arch Exp Veterinaermed 25:139-47, 1971 (Ger)
[Uterus of a rat, the horns of which are vesicularly distended and the tubes and cervix of which are completely closed] Fabian G.
Berl Munch Tieraerztl Wochenschr 83:114, 15 Mar 70 (Ger)
[Klosiella cobayae--kidney coccidiosis in the guinea pig] Hofmann H, et al.
Berl Munch Tieraerztl Wochenschr 83:151-3, 15 Apr 70 (Ger)

PHYSIOPATHOLOGY

Absence of Bowditch phenomenon in the ventricular muscle of hamsters with hereditary cardiomyopathy. Hajdu S, et al. Am Heart J 81:781-9, Jun 71
Leishmania braziliensis: physical and chemical stress in hamsters. Noble GA. Exp Parasitol 29:30-2, Feb 71
Denervation in murine dystrophy. Harris J, et al.
Nature (Lond) 229:61-2, 1 Jan 71
Functional studies of reoenerated muscles from normal and dystrophic mice. Salafsky B.
Nature (Lond) 229:270-2, 22 Jan 71
Experimental concurrent infections with Strongyloides ratti and S. venezuelensis in laboratory rats. Wertheim G. Parasitology 61:389-95, Dec 70
Growth and development of Strongyloides venezuelensis Brumpt, 1934 in the albino rat.
Wertheim G. Parasitology 61:381-8, Dec 70

PREVENTION & CONTROL

Experimental rabies chemotherapy in mice. Enright JB, et al. Am J Vet Res 32:437-44, Mar 71
Effects of oxyamylose and polyacrylic acid on foot-and-mouth disease and hog cholera virus infections. Leunen J, et al.
Appl Microbiol 21:203-8, Feb 71
Age-linked modification of the effect of estrogen on joints and cortical bone of female mice. Silberberg M, et al. Gerontologia 16:201-11, 1970
Trichosomoides crassicauda infection of a commercial rat breeding colony. II. Drug screening for anthelmintic activity and field trials with methyridine. Weisbroth SH, et al.
Lab Anim Sci 21:213-9, Apr 71
[2 year experiment on the prevention and control of myxomatosis by the use of fly sprays and special hygienic measures] Schindler W, et al.
Arch Exp Veterinaermed 24:861-86, 1970 (Ger)
[Veterinary control of experimental mice] Karasek E.
Monatsh Vet Med 25:871-4, 1 Sep 70 (Ger)

THERAPY

[Therapy results with respect to multistage cancer therapy of the rat DS-carcinosarcoma without immunological attack] Ardenne M von, et al.
Arch Geschwulstforsch 36:319-30, 1970 (Ger)

URINE

Radioimmunoassay of urinary antidiuretic hormone with application to study of the Brattleboro rat. Miller M, et al. Endocrinology 88:1389-96, Jun 71

RODENT ULCER see under CARCINOMA, BASAL CELL (C2)

RODENTICIDES (D3)

[Lowering the cost of bactocoumarin] Ponomarev BP.
Veterinariia 12:20-2, Dec 70 (Rus)

ANALYSIS

Spectrochemical detection of fluorine in fluoracetamide. Schoenfeld I, et al.
J Forensic Sci 13:267-8, Apr 68

PHARMACODYNAMICS

Control of the susceptibility of rats (Rattus norvegicus) to anticoagulant rodenticides, in Gdynia--port and city. Przyborowski T, et al.
Bull Inst Mar Med Gdansk 21:225-8, 1970
New rodenticide, 'MR-100', containing a taste enhancer. Schisla RM, et al. Nature (Lond) 228:1229-30, 19 Dec 70
The search continues. Nature (Lond) 229:595, 26 Feb 71

POISONING

Poisoning from insecticides. Kelsey FH.
Vet Rec 88:136, 30 Jan 71

TOXICITY

[Experimental toxicology of the isothioureas] Petit L, et al. Poumon Coeur 26:893-4, 1970 (Fre)

RODENTS (B2)

Frequency of rodents in habitats near Pergamino, Argentina, as related to Junín virus. Lord RD, et al.
Am J Trop Med Hyg 20:338-42, Mar 71
The effect of age on the thermal preference of white mice (Mus musculus) and gerbils (Meriones unguiculatus). Eedy JW, et al.
Can J Zool 48:1303-6, Nov 70
Eimeria spermophili n. sp. and other Eimeria spp. (Sporozoa, Eimeriidae) from three species of Alberta Spermophilus (Rodentia, Sciuridae). Hilton DF, et al.
Can J Zool 49:699-701, May 71
Psorobia castoris spec. nov. (Acarina: Psorergatidae), a new itch mite from the beaver, Castor canadensis. Kok NJ, et al. Can J Zool 48:1419-23, Nov 70
Quantitative autoradiography of heterochromatin replication in Microtus agrestis. Comings DE.
Chromosoma 29:434-45, 1970
Endocrine adjustments in a wild lemming population during the 1969 summer season. Andrews RV, et al.
Comp Biochem Physiol 38:183-201, 1 Jan 71
Identification of polypeptide chains in some rodents. I. Rattus norvegicus, Rattus rattus, Psammomys obesus. Brdička R, et al.
Comp Biochem Physiol 38:119-27, 15 Jan 71
Serum proteins and haptoglobins of Caribbean rodents. Kimura FT, et al.
Comp Biochem Physiol 37:277-80, 15 Nov 70
Temperature regulation in normothermic and hibernating eastern chipmunk, Tamias striatus. Wang LC, et al. Comp Biochem Physiol 38:59-90, 1 Jan 71
Response of adult mastomys (Praomys natalensis) to subcutaneous injection of N-nitrosodimethylamine. Fujii K, et al. Gann 61:425-34, Oct 70
The chromosomes of the Alpine marmot Marmota marmota L. (Rodentia: Sciuridae). Fernandez-Donoso R, et al. Hereditas 63:170-9, 1969
A note on the arboreal nests of some rodents. Rajagopalan PK. Indian J Med Res 58:1192-4, Sep 70
Ectoparasites of mammals in the Eastern Himalayas and their potential disease relationships. Varma RN, et al. Indian J Med Sci 24:573-81, Sep 70
Comments on immunologic and biological relationships among the C-type viruses. Deinhardt F.
J Am Vet Med Assoc 158:Suppl 2:1104+, 15 Mar 71
Structural and immunologic relationships among mammalian C-type viruses. Gilden RV, et al.
J Am Vet Med Assoc 158:Suppl 2:1099+, 15 Mar 71 (29 ref.)
Chronic catheterization and handling procedures for marmots. Zatzman ML, et al.
J Appl Physiol 31:309-12, Aug 71
The susceptibility of three British small mammals to foot-and-mouth disease. Capel-Edwards M.
J Comp Pathol 81:433-6, Jul 71
A preliminary survey of domestic rodents and fleas in a newly developed area (Tahrir Province), U.A.R. Mahdi AH, et al.
J Egypt Public Health Assoc 46:33-44, 1971
Some biological properties of rabies-like isolates from murine rodents. Sodja I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:231, 1971
Isolation of rabies-like virus from murine rodents. Sodja I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:229-30, 1971
Condition and diet of cycling populations of the California vole, Microtus californicus. Batzli GO, et al.
J Mammal 52:141-63, Feb 71
Niche overlap and competition in woodrats. Cameron GN. J Mammal 52:258-96, May 71
High population density of Microtus ochrogaster. Crawford RD. J Mammal 52:478, May 71
Seasonal variations in the food consumption of woodchucks (Marmota monax). Fall MW.
J Mammal 52:370-5, May 71
The habitat preference of Microtus pennsylvanicus, and its relevance to the distribution of this species on islands. Grant PR. J Mammal 52:351-61, May 71
Variations in the hemoglobin concentrations of Great Basin rodents. Lee AK, et al.
J Mammal 51:669-74, Nov 70
Behavioral relationships between two sympatric voles (Microtus): relevance to habitat segregation. Murie JO. J Mammal 52:181-6, Feb 71
Coat color mutations in two species of voles (Microtus montanus and Microtus ochrogaster) in the laboratory. Pinter AJ, et al. J Mammal 52:196-9, Feb 71
An evaluation of insecticides for flea control on wild

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mammals. Miller BE, et al.
J Med Entomol 7:697-702, Dec 70
Meadow vole nutrition studies with semisynthetic diets. Shenk JS, et al. J Nutr 100:1437-46, Dec 70
Preferential susceptibility of male jirds (Meriones unguiculatus) to infection with Brugia pahangi. Ash LR. J Parasitol 57:777-80, Aug 71
Absence of Angiostrongylus cantonensis from the Gulf of Carpentaria in Northern Australia. Dunsmore JD. J Parasitol 54:826, Aug 68
Besnoitia jellisoni (Sporozoa: Toxoplasmea) in rodents from Utah and California. Ernst JV, et al. J Parasitol 54:545-9, Jun 68
Immunodiffusion studies on a skin-inhabiting Leishmania from the tropical porcupine, Coendou rothschildi Thomas. Schneider CR. J Parasitol 54:638-9, Jun 68
Echinococcus oligarthrus (Diesing, 1863) developing in a United States Zoo. Thatcher VE, et al. J Parasitol 54:847-8, Aug 68
Infection of Microtus ochrogaster with piroplasms isolated from man. Van Peenen PF, et al. J Parasitol 56:1029-31, Oct 70
Hypothalamic influence on pituitary and serum levels of LH in the vole, Microtus agrestis. Charlton HM, et al. J Physiol (Lond) 210:7P-8P, Sep 70
The plains viscacha as a laboratory animal. Weir BJ. J Physiol (Lond) 215:2P-4P, May 71
A 'posterior ring' in the spermatozoa of species of Muridae. Woolley DM. J Reprod Fertil 23:361-3, Nov 70
Mammals of South Vietnam. II. Disease implications. Van Peenen PF, et al. Milit Med 135:391-7, May 70
Mammals of South Vietnam. I. Mammals commonly trapped during surveys. Van Peenen PF, et al. Milit Med 135:384-90, May 70
Genetically transmitted obesity in rodents. Bray GA, et al. Physiol Rev 51:598-646, Jul 71 (383 ref.)
The rodentia as omnivores. Landry SO Jr. Q Rev Biol 45:351-72, Dec 70 (175 ref.)
Historical record of some Iowan mammals. Bowles JB. Trans Kans Acad Sci 73:419-30, Winter 70
[Description of Vexillata petteri n. sp., a heligmosome nematode parasite of a neartic rodent] Durette-Desset MC.
Ann Parasitol Hum Comp 45:289-93, May-Jun 70 (Fre)
[Evolutive cycle of Seuratum cadarachense Desportes, 1947 and its affinity to those of the subuluran (Ascaridida) and rictularian (Spirurida)] Quentin JC.
Ann Parasitol Hum Comp 45:605-28, Sep-Oct 70 (Fre)
[Infestation trials of the spotted dormouse with Strongyloides ratti (phasmidian neuatodes)] Roman E, et al.
Ann Parasitol Hum Comp 45:237-42, Mar-Apr 70 (Fre)
[Contribution to the study of the metabolism of zoxazolamine in the rodents] Buchel L.
Arch Sci Physiol (Paris) 25:19-45, 1971 (Fre)
[Study of an animal reservoir in the cycle of some arboviruses in Central Africa. II. Experimental viremia in wild rodents with yellow fever and West Nile viruses] Chippaux A, et al.
Bull Soc Pathol Exot 63:173-80, Mar-Apr 70 (Fre)
[Muskrats, Ondatra (Fiber zibethicus, Linnaeus), carriers in France of various leptospirian serotypes: isolation of the 1st French strain related to the Hebdomadis serogroup] Lataste-Dorolle C, et al.
Bull Soc Pathol Exot 62:312-20, 1969 (Fre)
[Evolutive cycle of Angiostrongylus (Parastrongylus) dujardini Drozdz and Doby 1970 (Nematoda: Metastrongyloidea)] Doby JM, et al.
C R Acad Sci [D] (Paris) 272:604-7, 25 Jan 71 (Fre)
[U.V. fluorescence study of central monoamines in the lerot (Eliomys quercinus) in hibernation] Barry J.
C R Soc Biol (Paris) 164:566-8, 1970 (Fre)
[Trial automatic analysis of iodinated (127 I) amino acids in the thyroid gland of the amphibious vole (Arvicola amphibius) by chromatography and colorimetric determination] Turckheim M de, et al.
C R Soc Biol (Paris) 164:307-12, 25 Sep 70 (Fre)
[Study of adrenocortical function during the annual cycle in a hibernant: the garden dormouse (Eliomys quercinus L.). II. Activity during autumn: period of hibernation preparation] Boulouard R.
J Physiol (Paris) 63:77-86, Jan-Feb 71 (Fre)
[Quantitative measurement in a terrarium of the free behavior of Apodemus sylvaticus L] Müller F, et al.
J Physiol (Paris) 62:Suppl 3:419+, 1970 (Fre)
[Adiaspiromycosis caused by Emmonsia crescens in small wild mammals in France] Doby JM, et al.
Mycopathol Mycol Appl 44:107-15, 3 May 71 (Fre)
[Biometry and reproduction biology of the red field mouse Clethrionomys glareolus (Schreber, 1780) at different altitudes in Switzerland] Claude C.
Rev Suisse Zool 77:435-80, Jun 70 (Ger)
[The behavior of Cuniculus paca (Rodentia, Dasyproctidae) in captivity] Kraus C, et al.
Rev Suisse Zool 77:353-88, Jun 70 (Ger)
[Hormonal regulation of reproduction in laboratory rodents] Neumann F.
Z Versuchstierkd 12:162-86, 1970 (Ger)
[Faunal notes on Anoplura in Microtus oeconomus (Pallas)] Skibiński J.
Wiad Parazytol 16:479-85, 1970 (Pol)
[Dehydrogenase activity in rat, squirrel and monkey retinas] Bali' TV, et al.
Arkh Anat Gistol Embriol 57:50-7, 1969 (Rus)
[Ammonia, glutamine and urea concentration in the brain tissue of susliks during winter hibernation] Emirbekov EZ, et al.
Biull Eksp Biol Med 69:64-6, Apr 70 (Rus)
[Seasonal changes in the population dynamics of Hirstionyssus isabellinus Oudemans, 1913 and Hyperlaelaps arvalis Zachvatkin, 1948 on the common vole (Microtus arvalis Pall.)] Antonenko VV.
Med Parazitol (Mosk) 39:741-2, Nov-Dec 70 (Rus)
[Composition of muskrat and guineda-pig milk] Galantsev VP, et al.
Vestn Leningr Univ [Biol] 3:99-102, Aug 69 (Rus)
[Role of wild birds and rodents in the spread of pasteurellosis] Serdiuk NG, et al.
Veterinariia 6:53-4, Jun 70 (Rus)
[New data on the nature of foci of hemorrhagic fever with renal syndrome in Priamur] Vostrikov LA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:94-7, Oct 70 (Rus)
[Trap No. 4 to capture wild rodents alive (cricetides)] Vásquez Martos F.
Bol Of Sanit Panam 70:234-8, Mar 71 (Spa)

ANATOMY & HISTOLOGY

The contribution of the stapedial artery to the cephalic arterial supply in muroid rodents. Bugge J.
Acta Anat (Basel) 76:313-36, 1970
The forebrain of the prairie dog (Cynomys ludovicianus) in stereotaxic coordinates. Carlson RH, et al. Acta Anat (Basel) 77:321-40, 1970
Histochemical classification of acini and ducts of parotid glands from artiodactyles, carnivores and rodents. Munhoz CO.
Acta Histochem (Jena) 39:302-17, 1971
Seasonal changes of pelage in the vole (Microtus agrestis). I. Correlation with changes in the endocrine glands. al-Khateeb A, et al.
Gen Comp Endocrinol 16:217-28, Apr 71
Median and caudal apertures in the roof of the fourth ventricle in rodents and primates. Cammermeyer J.
J Comp Neurol 141:499-512, Apr 71
The interpeduncular nuclear complex of selected rodents. Ives WR. J Comp Neurol 141:77-93, Jan 71
Peromyscus and Ochrotomys from the pleistocene of Reddick, Florida. Pinkham CF.
J Mammal 52:28-40, Feb 71
The reproductive organs of the female plains viscacha, Lagostomus maximus. Weir BJ.
J Reprod Fertil 25:365-73, Jun 71
[Identification of the alpine marmot (Marmota marmota L.)] Ratti P.
Schweiz Arch Tierheilkd 112:283-95, Jun 70 (Ger)
[Morphology of the thoracic aorta of laboratory mammals] Ferri S, et al.
Rev Bras Biol 30:155-61, Jun 70 (Por)
[Morphologic characteristics of distal sections of the medullary layer of the kidney in rodents living under high environmental temperature conditions] Dubynin TL, et al. Biull Eksp Biol Med 68:105-7, Nov 69 (Rus)

CLASSIFICATION

A karyo-systematic study of Microtus transcaspicus ilaeus. Meyer M, et al.
Folia Biol (Krakow) 19:73-8, 1971

DRUG EFFECTS

Effects of ACTH on voles (Microtus pennsylvanicus) related to reproductive function and renal disease. Pasley JN, et al.
Proc Soc Exp Biol Med 137:268-72, May 71

EMBRYOLOGY

Placentation in the American beaver (Castor canadensis). Fischer TV. Am J Anat 131:159-83, Jun 71
[Eversion of embryonic disks in jerboas] Shmidt GA, et al. Dokl Akad Nauk SSSR 185:965-7, 1 Apr 69 (Rus)

GROWTH & DEVELOPMENT

Postnatal physical and behavioral development of the Japanese wood mice, Apodemus argenteus argenteus. Imaizumi Y, et al.
Bull Tokyo Med Dent Univ 18:81-94, Jun 71
Weight maintenance of the desert woodrat (Neotoma lepida) on some natural foods. Chess T, et al.
J Mammal 52:193-5, Feb 71
Effects of bacterial endotoxin and crowding on pine voles and white mice. Wertheim RF, et al.
J Mammal 52:238-42, Feb 71

IMMUNOLOGY

Natural resistance to plague: genetic basis in the vole (Microtus californicus). Hubbert WT, et al.
Am J Trop Med Hyg 19:1015-9, Nov 70

METABOLISM

Metabolic contributions of the cecal flora. McBee RH.
Am J Clin Nutr 23:1514-8, Nov 70
Effect of temperature and acclimation upon FFA levels in three species of rodents. Ferguson JH, et al.
Can J Zool 49:303-5, Mar 71
Adrenal steroid biosynthesis by different species of mouselike rodents. Ogunsua AO, et al.
Gen Comp Endocrinol 16:192-9, Apr 71
Occurrence of 22Na in medium-sized animals. Gabay JJ, et al. Health Phys 18:429-31, Apr 70
Blood O2 and acid-ase changes in the beaver during submersion. Clausen G, et al.
Resp Physiol 11:104-12, 1970-71

PHYSIOLOGY

Ontogeny of heart-rate controls in hamster, rat, and guinea pig. Adolph EF.
Am J Physiol 220:1896-902, Jun 71
Cardiac output and regional blood flow in hypoxic woodchucks. Burlington RF, et al.
Am J Physiol 220:1565-8, Jun 71
Energy expenditure of running kangaroo rats Dipodomys merriami. Yousef MK, et al.
Comp Biochem Physiol 36:387-93, 15 Sep 70
The critical thermal minimum of small rodents in hypothermia. Ferguson JH, et al.
Cryobiology 7:44-6, Jul-Aug 70
Pineal weight response to a dietary variable in Microtus montanus. Negus NC, et al.
Experientia 27:215-6, 15 Feb 71
Seasonal changes of pelage in the vole (Microtus agrestis). 3. The role of the endocrine system. al-Khateeb A, et al.
Gen Comp Endocrinol 16:236-40, Apr 71
Seasonal changes of pelage in the vole (Microtus agrestis). II. The effect of daylength. al-Khateeb A, et al. Gen Comp Endocrinol 16:229-35, Apr 71
The function of the accessory corpora lutea in the hystricomorph rodents. Tam WH.
J Endocrinol 48:liv-lv, Dec 70
A comparative study of the production of progesterone by various hystricomorph rodents. Tam WH.
J Endocrinol 48:18-9, Sep 70
Metabolic and behavioral thermoregulation in the long-tailed vole, Microtus longicaudus. Beck LR, et al.
J Mammal 52:404-12, May 71
Seasonal changes in reproductive and related organs in the pine vole, Microtus pinetorum, in southwestern Virginia. Valentine GL, et al.
J Mammal 51:553-60, Aug 70
Ovarian changes during pregnancy and pseudopregnancy in the vole, Microtus agrestis. Breed WG, et al. J Reprod Fertil 23:447-56, Dec 70
Effect of photoperiod on ovarian function in the vole, Microtus agrestis. Breed WG, et al.
J Reprod Fertil 23:189-92, Oct 70
Hypothalamo-hypophysial control of ovulation in the vole (Microtus agrestis). Breed WG, et al.
J Reprod Fertil 25:225-9, May 71
Ovulation in the bank vole, Clethrionomys glareolus. Clarke JR, et al. J Reprod Fertil 23:531, Dec 70
Seasonal changes in the adenohypophysis of the bank vole, Clethrionomys glareolus. Clarke JR, et al.
J Reprod Fertil 25:310-1, May 71
Pregnancy-block in the meadow vole, Microtus pennsylvanicus. Clulow FV, et al.
J Reprod Fertil 24:275-7, Feb 71
Oestrus and induced ovulation in the meadow vole, Microtus pennsylvanicus. Clulow FV, et al.
J Reprod Fertil 23:341-3, Nov 70
Reproduction in the female green acouchi, Myoprocta pratti Pocock. Kleiman DG.
J Reprod Fertil 23:55-65, Oct 70
The reproductive physiology of the plains viscacha, Lagostomus maximus. Weir BJ.
J Reprod Fertil 25:355-63, Jun 71
Some observations on reproduction in the female green acouchi, Myoprocta pratti. Weir BJ.
J Reprod Fertil 24:193-201, Feb 71
Some observations on reproduction in the female agouti, Dasyprocta aguti. Weir BJ.
J Reprod Fertil 24:203-11, Feb 71
-naphthylisothiocyanate (ANIT)-induced hepatotoxicity and disposition in various species. Capizzo F, et al.
Toxicol Appl Pharmacol 19:176-87, Jun 71
Individual sodium and potassium excretion patterns in rodents during certain life situations. De Kock LL, et al. Z Tierpsychol 26:811-24, Nov 69
Adrenal function and sodium and potassium excretion in rodents. Some comments on a paper by L. De Kock and A. Robinson. Holst D von.
Z Tierpsychol 28:318-23, May 71
[Influence of body temperature on the metabolism of brown adipose tissue of lerots during periodical arousals] Agid R, et al.
C R Acad Sci [D] (Paris) 271:1391-4, 19 Oct 70 (Fre)
[Adrenocortical function during the annual cycle in a hibernating animal: the dormouse (Eliomys quercinus L). I. Activity during summer: reproductive period]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Boulouard R.
Gen Comp Endocrinol 16:465-77, Jun 71 (Fre)
[Adrenocortical activity during winter sleep in 2 hibernating animals: the dormouse (Eliomys quercinus L.) and the hodgehog (Erinaceus europaeus L.)] Boulouard R.
J Physiol (Paris) 1:Suppl 1:95, 1969 (Fre)
[Automatic equipment for the maintenance of rodents in constantly overhydrated state] Dumas JC.
J Physiol (Paris) 61:165-7, Mar-Apr 69 (Fre)
[The role of vagal innervation in the mechanism of reflex bradycardia in diving mammals] Galantsev VP.
Nerv Sist 9:65-70, 1968 (Rus)
[Physiological adaptation of some rodents to arid conditions] Sionim AD.
Zh Obshch Biol 31:415-23, Jul-Aug 70 (Rus)

RODS AND CONES (A8, A9)

see also related
RETINAL PIGMENTS (D10)

Energy transfer in rhodopsin, N-retinyl-opsin, and rod outer segments. Ebrey TG.
Proc Natl Acad Sci USA 68:713-6, Apr 71
Flash photolysis of rhodopsin. I. Measurements on bovine rod outer segments. Sengbusch G von, et al.
Z Naturforsch [B] 26:488-9, May 71
[Photoreceptor membrane and native rhodopsin] Boroviagin VL, et al.
Biofizika 16:350-76, Mar-Apr 71 (212 ref.) (Rus)

ABNORMALITIES

Reoccurrence of four-row rodless mice. Keeler CE.
Arch Ophthalmol 84:499-504, Oct 70

ANALYSIS

Lipids of ocular tissues. VII. Positional distribution of the fatty acids in the phospholipids of bovine retina rod outer segments. Anderson RE, et al.
Arch Biochem Biophys 144:673-7, Jun 71
Phospholipids of bovine outer segments. Anderson RE, et al. Biochemistry 9:3624-8, 1 Sep 70
Na+ and K+ in outer segments of retinal rods. Etingof RN, et al. Biochim Biophys Acta 205:459-63, 30 Jun 70
A method of determining photoreceptor ion contents. Arden GB, et al. J Physiol (Lond) 216:5P-7P, Jul 71
Sedimentation of bovine rhodopsin--digitonin micelles. Incardona NL, et al.
Nature [New Biol] 229:250-2, 24 Feb 71

ANATOMY & HISTOLOGY

An analysis of retinal receptor orientation. I. Angular relationship of neighboring photoreceptors. Laties AM, et al. Invest Ophthalmol 10:69-77, Jan 71
Symmetry in a receptor mosaic demonstrated in the chick from the frequencies. spacing and arrangement of the types of retinal receptor. Morris VB.
J Comp Neurol 140:359-98, Nov 70
An hypothesis to account for a basic distinction between rods and cones. Young RW.
Vision Res 11:1-5, Jan 71
[Fortin's apparatuses] Hervouët F.
Bull Mem Soc Fr Ophtalmol 82:535-44, 1969 (Fre)

CYTOLOGY

Structure of photoreceptor membranes. Worthington CR. Fed Proc 30:57-63, Jan-Feb 71
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71
Electron microscope observations on form changes in photoreceptor outer segments and their saccules in response to osmotic stress. Cohen AI.
J Cell Biol 48:547-65, Mar 71
The osmotic behavior of rod photoreceptor outer segment discs. Heller J, et al.
J Cell Biol 48:633-49, Mar 71
Shedding of discs from rod outer segments in the rhesus monkey. Young RW.
J Ultrastruct Res 34:190-203, Jan 71
Further studies on the question of the patency of saccules in outer segments of vertebrate photoreceptors. Cohen AI.
Vision Res 10:445-53, Jun 70
The frog's rod outer segment observed by the negative staining technique. Hauser M, et al.
Z Naturforsch [B] 26:487, May 71
On the fine structure of the frog's rod outer segments, observed by the freeze-etching technique. Rosenkranz J.
Z Zellforsch Mikrosk Anat 111:228-62, 1970

DRUG EFFECTS

The effect of ions on the photoresponses of pigeon cones. Arden GB, et al.
J Physiol (Lond) 211:311-39, Dec 70

ENZYMOLOGY

Adenyl cyclase as a link between photon capture and changes in membrane permeability of frog photoreceptors. Bitensky MW, et al.
Proc Natl Acad Sci USA 68:561-2, Mar 71

METABOLISM

Sodium movements from frog rod outer segments. Bowmaker JK. Vision Res 10:601-4, Jul 70
[Light-induced transport of H+, K+, Na+ ions in a suspension of outer segments of the photoreceptors of frog retina] Antonov VE, et al.
Biofizika 16:78-86, Jan-Feb 71 (Rus)
[Binding of Na+ by phospholipids of retinal external segments during illumination] Leont'ev VG, et al.
Dokl Akad Nauk SSSR 197:490-3, 11 Mar 71 (Rus)
[Ion displacements in outer segments of retinal rods] Etingof RN, et al. Ukr Biokhim Zh 43:60-7, 1971 (Rus)

PATHOLOGY

Outer segment production and removal in the degenerating retina of the dystrophic rat. Herron WL Jr, et al. Invest Ophthalmol 10:54-63, Jan 71
The role of the pigment epithelium in the etiology of inherited retinal dystrophy in the rat. Bok D, et al.
J Cell Biol 49:664-82, Jun 71

PHYSIOLOGY

Electroretinographic study of the rod-cone break in the dark adaptation curve in man. Brunette JR.
Am J Ophthalmol 71:1104-12, May 71
Metacontrast: the effects obtained with consecutively presented concentric disks and rings of different wavelengths. Walters JW.
Am J Optom 47:634-40, Aug 70
The A-wave of the rabbit electroretinogram. Brunette JR, et al. Can J Ophthalmol 5:366-72, Oct 70
A static perimetric technique believed to test receptive field properties: extension and verification of the analysis. Enoch JM, et al.
Doc Ophthalmol 29:127-53, 21 Dec 70
A static perimetric technique believed to test receptive field properties: responses near visual field lesions with sharp borders. Enoch JM, et al.
Doc Ophthalmol 29:154-67, 21 Dec 70
Photolysis and birefringence of frog rods. Weale RA.
Experientia 27:403-4, 15 Apr 71
Electrical signaling in vertebrate photoreceptors. Baylor DA, et al. Fed Proc 30:79-83, Jan-Feb 71
Fast photoelectric effects and the properties of vertebrate photoreceptors as electric cables. Hagins WA, et al. Fed Proc 30:64-8, Jan-Feb 71
Human foveal far-field radiation pattern. Enoch JM, et al. Invest Ophthalmol 10:167-70, Mar 71
Threshold measurements of spectral sensitivity in a blue monocone monochromat. Pokorny J, et al.
Invest Ophthalmol 9:807-13, Oct 70
The osmotic behavior of rod photoreceptor outer segment discs. Heller J, et al.
J Cell Biol 48:633-49, Mar 71
Independence of the cat's scotopic and photopic systems in acquiring control of visually guided behavior. Hein A, et al.
J Comp Physiol Psychol 76:31-8, Jul 71
Lightness and retinex theory. Land EH, et al.
J Opt Soc Am 61:1-11, Jan 71
The attenuation of rod signals by bleachings. Alpern M, et al. J Physiol (Lond) 207:449-61, Apr 70
Signals from cones. Alpern M, et al.
J Physiol (Lond) 207:463-75, Apr 70
The size of rod signals. Alpern M, et al.
J Physiol (Lond) 206:193-208, Jan 70
The attenuation of rod signals by backgrounds. Alpern M, et al. J Physiol (Lond) 206:209-27, Jan 70
Mesopic increment threshold spectral sensitivity of single optic tract fibres in the cat: cone-rod interaction. Andrews DP, et al.
J Physiol (Lond) 209:65-81, Jul 70
Suprathreshold spectral properties of single optic tract fibres in cat, under mesopic adaptation: cone-rod interaction. Andrews DP, et al.
J Physiol (Lond) 209:83-103, Jul 70
Anion and cation currents in pigeon cones. Arden GB, et al. J Physiol (Lond) 209:Suppl:41P+, Jul 70
Electrical responses of single cones in the retina of the turtle. Baylor DA, et al.
J Physiol (Lond) 207:77-92, Mar 70
Receptive fields of cones in the retina of the turtle. Baylor DA, et al. J Physiol (Lond) 214:265-94, Apr 71
Stiles-Crawford effect and the bleaching of cone pigments. Coble JR, et al.
J Physiol (Lond) 217:231-42, Aug 71
Cat colour vision: evidence for more than one cone process. Daw NW, et al.
J Physiol (Lond) 211:125-37, Nov 70
Chromatic sensitivity and spatial organization of cat visual cortical cells: cone-rod interaction. Hammond P. J Physiol (Lond) 213:475-94, Mar 71
The Purkinje shift in cat: extent of the mesopic range. Hammond P, et al. J Physiol (Lond) 216:99-109, Jul 71
Specificity of cone mechanisms in lateral interaction. McKee SP, et al. J Physiol (Lond) 206:117-28, Jan 70
Rod-dependent intracellular responses to light recorded from the pigment epithelium of the cat retina. Schmidt R, et al.
J Physiol (Lond) 217:71-91, Aug 71
How the birefringence of vertebrate rods is affected by light. Weale RA. J Physiol (Lond) 210:28P-29P, Sep 70
Rod-cone independence for sensitizing interaction in the human retina. Westheimer G.
J Physiol (Lond) 206:109-16, Jan 70
Models of the processing of quantum signals by the human peripheral retina. Grind WA van de, et al.
Kybernetik 6:213-27, Feb 70
Adenyl cyclase as a link between photon capture and changes in membrane permeability of frog photoreceptors. Bitensky MW, et al.
Proc Natl Acad Sci USA 68:561-2, Mar 71
Chromatic rod and cone activities as a function of the photochromatic interval. Stabell B, et al.
Scand J Psychol 10:215-9, 1969
Visual adaptation in monkey cones: recordings of late receptor potentials. Boynton RM, et al.
Science 170:1423-6, 25 Dec 70
Red-green cone interactions in the increment-threshold spectral sensitivity of primates. Sperling HG, et al. Science 172:180-4, 9 Apr 71
Rods and cones and the problem of visual excitation. Cohen AI. UCLA Forum Med Sci 8:31-62, 1969
The kinetics of cone visual pigments in man. Alpern M, et al. Vision Res 11:539-49, Jun 71
Electroretinographic response from the green rods of the isolated, perfused frog retina. Frank RN.
Vision Res 10:1101-7, Nov 70
Cone spectral sensitivity and chromatic adaptation as revealed by human flicker-electroretinography. Padmos P, et al. Vision Res 11:27-42, Jan 71
The rod response in the frog and studies by intracellular recording. Toyoda J, et al.
Vision Res 10:1093-100, Nov 70
Rod participation in the 'blue' mechanism and its effect on colour matching. Trezona PW.
Vision Res 10:317-32, Apr 70
[Psychophysiological significance of the evoked visual response: influence of adaptation and wave length] Berard PV, et al.
Arch Ophtalmol (Paris) 31:119-36, Feb 71 (Fre)
[Stiles-Crawford effect and fixation] Bourdy C.
Vision Res 10:859-74, Sep 70 (Fre)
[Process of retinal photoreception and thermodynamics or irreversible processes] Delmotte M. Vision Res 10:671-8, Aug 70 (Fre)
[Functional significance of the spacial relationship between the crystalline cone and rhabdom in the honey-bee (Apis mellifica L.)] Skrzipek KH, et al.
Experientia 27:409-11, 15 Apr 71 (Ger)
[Number of visual cones necessary in differentiating the optic target] Oe K.
Ophthalmology (Tokyo) 13:707-10, Jul 71 (Jap)
[Light-induced potential of suspensions of outer segments of photoreceptors] Demirchoglian GG, et al.
Biofizika 16:462-6, May-Jun 71 (Rus)
[The relationship between the properties of the primary and secondary response of the visual cortex and the processes in the rod and cone apparatus of the retina] Val'tsev VB.
Zh Vyssh Nerv Deiat 21:197-200, Jan-Feb 71 (Rus)

PHYSIOPATHOLOGY

Chloroquine retinopathy. Investigation of discrepancy between dark adaptation and electroretinographic findings in advanced stages. Krill AE, et al.
Am J Ophthalmol 71:530-43, Feb 71
Colour vision in blue-cone 'monochromacy'. Alpern M, et al. J Physiol (Lond) 212:211-33, Jan 71
Parafoveal colour vision responses of four dichromats. Ruddock KH. Vision Res 11:143-56, Feb 71

RADIATION EFFECTS

Effect of illumination on the membrane permeability of rod photoreceptor discs. Heller J, et al.
Biochemistry 9:4884-9, 8 Dec 70
Effect of a bright light flash on dark adaptation of human rods. Alpern M.
Nature (Lond) 230:394-6, 9 Apr 71
Ultrastructural studies on rat retina damaged by visible light. Hansson HA.
Virchows Arch [Zellpathol] 6:247-62, 1970

ROENTGEN RAYS see under RADIATION (H)

ROENTGENKYMOGRAPHY see

ELECTROKYMOGRAPHY (E1)

ROENTGENOGRAPHY see RADIOGRAPHY (E1)

ROENTGENOTHERAPY see RADIOTHERAPY (E2)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ROLE (F1)

Is there a school nurse role? Hawkins NG. Am J Nurs 71:744-51, Apr 71
Professionals' participation in community activities: is it part of the job? Berlin IN. Am J Orthopsychiatry 41:494-500, Apr 71
Women in the kibbutz. Gerson M. Am J Orthopsychiatry 41:566-73, Jul 71
The social role performance of depressed women: comparisons with a normal group. Weissman MM, et al. Am J Orthopsychiatry 41:390-405, Apr 71
Participation in household activities as a prognostic factor for rehabilitation. Slater SB, et al. Arch Phys Med Rehabil 51:605-10 passim, Oct 70
Neurosis and marital interaction. 3. Family roles and functions. Collins J, et al. Br J Psychiatry 119:233-42, Sep 71
A clinical view of parenthood. Wyatt F. Bull Menninger Clin 35:167-81, May 71
The expanded role of the public health nurse. Green MM. Can J Public Health 62:147-52, Mar-Apr 71
The relation of role taking to the development of moral judgment in children. Selman RL. Child Dev 42:79-91, Mar 71
An investigation of personal constructs through nonverbal tasks. Riedel WW. J Abnorm Psychol 76:173-9, Oct 70
The social images of man and woman. Firth R. J Biosoc Sci [Suppl] 2:85-92, May 70
Perception of parental sex-role behavior and psychopathology in adult males. Kayton R, et al. J Consult Clin Psychol 36:235-7, Apr 71
Effects of role demands and test-cue properties on personality test performance: replication and extension. Kroger RO, et al. J Consult Clin Psychol 35:381-7, Dec 70
Coping and defensive responses in four role-playing situations. Margolis CG. J Consult Clin Psychol 35:427, Dec 70
Body build, sex-role preference, and sex-role adoption in junior high school boys. Biller HB, et al. J Genet Psychol 118:81-6, Mar 71
Sex-role identity and sibling composition. Rosenberg BG, et al. J Genet Psychol 118:29-32, Mar 71
Variation in hospital employment and influence perceptions among nursing personnel. Alutto JA, et al. J Health Soc Behav 12:30-4, Mar 71
Medical identity: change and conflict in professional roles. Menke WG. J Med Educ 46:58-63, Jan 71
Dimensions of social adjustment in depressed women. Paykel ES, et al. J Nerv Ment Dis 152:158-72, Mar 71
The relationship of sex role identity and social and politicalattitudes. Cottle TJ, et al. J Pers 38:435-52, Sep 70
Leadership style and role differentiation as determinants of group effectiveness. Eagly AH. J Pers 38:509-24, Dec 70
Birth order and hierarchical versus innovative role requirements. Exner JE Jr, et al. J Pers 38:581-7, Dec 70
Role differentiation, empathy, and neurosis in urban migrants and lower-class residents of Santiago, Chile. Stephan WG, et al. J Pers Soc Psychol 19:1-8, Jul 71
Discussion tasks as a measure of influence structure and reversal of role structure in normal families. Implications for the study of pathological families. Smith RC. J Psychiatr Res 8:51-61, Oct 70
Changes in sexual identification and role over a decade and their implications. Brown F. J Psychol 77:229-51, Mar 71
Authoritarianism and evaluation of appropriateness of role behavior. Yang KS. J Soc Psychol 80:171-81, Apr 70
Trauma: the physician's role. Lancet 1:1342-3, 26 Jun 71
Interdisciplinary perceptions of the public health nurse. Geertsma RH, et al. Med Care 9:152-9, Mar-Apr 71
The psychiatrist in a Superior Court setting. Balcanoff EJ. Ment Hyg 55:45-50, Jan 71
Breaking the role barrier--a psychotherapeutic necessity. Sata LS, et al. Ment Hyg 53:110-7, Jan 69
The police: ally or enemy of the comprehensive community mental health center? Whittington HG. Ment Hyg 55:55-9, Jan 71
The mental health movement meets Women's Lib. Ment Hyg 55:1-9, Jan 71
Changes in diploma nursing students' perceptions of a good nurse. Friedman W. Nurs Forum 10:72-9, 1971
Role expansion or role extension: some conceptual differences. Murphy JF. Nurs Forum 9:380-90, 1970
Secure in her skills. Lewis EP. Nurs Outlook 19:519, Aug 71
Role strain in a diversified role set--the director of nursing service. II. Sources of stress. Arndt C, et al. Nurs Res 19:491-501, Nov-Dec 70
A projective cartoon investigation of nurse-patient psychodramatic role perception and expectation. Copp LA. Nurs Res 20:100-12, Mar-Apr 71
Roles in nursing. 1. The student. Parry-Jones WL. Nurs Times 67:30-1, 7 Jan 71
Roles in nursing. 2. Why do they put up with it? Parry-Jones WL. Nurs Times 67:88-90, 21 Jan 71
The nurse's role in family planning. Rooke A. Nurs Times 67:727-30, Jun 71
Some thoughts on the role of the therapist in behavior therapy. Kraft T. Percept Mot Skills 32:277-8, Feb 71
Autokinetic word writing. Vaught GM. Percept Mot Skills 31:912-4, Dec 70
Changing roles of personnel in neighborhood health centers. Morehead MA. Postgrad Med 49:193-7, Apr 71
Leadership roles in a psychiatrically deviant adolescent collectivity. Olson JT, et al. Psychol Rep 27:499-510, Oct 70
Effect of role-inducing instructions on performance on a new test of creative thinking. Price AD. Psychol Rep 27:919-24, Dec 70
The investigation and treatment of disturbed gender identity in a young white female as a result of unusual genetic and psychogenic factors. Pearlman T, et al. S Afr Med J 44:1296-7, 14 Nov 70
Status inconsistency theory and flying saucer sightings. Warren DI. Science 170:599-603, 6 Nov 70
A concept of structurated and destructurated group roles: an initial empirical reduction. Powell FD. Soc Sci Med 4:321-7, Sep 70
Role discontinuity and resocialisation of the psychiatric patient. Wolkon GH. Soc Sci Med 3:679-87, Apr 70
Task and social-emotional leadership role performance. Burke PJ. Sociometry 34:22-40, Mar 71
The prediction of evaluations of social role occupants as a function of the favorableness, relevance and probability associated with attributes of these occupants. Wyer RS Jr. Sociometry 33:79-96, Mar 70
[The life of a couple. Reflections on sexual identification] Pierron G. Evol Psychiatr (Paris) 34:383-98, Apr-Jun 69 (Fre)
[Role of the psychotherapist in the experience of psychotic patients. Motivation for interest in psychoanalysis] Rudolf G. Z Psychosom Med Psychoanal 17:113-36, Apr-Jun 71 (Ger)
[Adolescence crises: the role and the mask] Ferraccioli E. G Psichiatr Neuropatol 97:77-92, 1969 (Ita)
[Function of the social role in personality development] Muscatello CF. G Psichiatr Neuropatol 98:247-53, 1970 (Ita)
[Dynamics of frigidity] Baca Baldomero E. Actas Luso Esp Neurol Psiquiatr 29:159-64, Apr 70 (Spa)

ROLE CONCEPT see under ROLE (F1)

ROLE PLAYING see under PSYCHODRAMA (F3)

ROLITETRACYCLINE (D3)

ADMINISTRATION & DOSAGE

[Intra-arterial administration of pyrrolidin-methyl-tetracycline in the treatment of various obliterative angiopathies] Del Corso P, et al. Clin Ter 55:231-8, 15 Nov 70 (Ita)

PHARMACODYNAMICS

[Aqueous humour levels of pyrrolidinomethyltetracycline (PMT) in man after subconjunctival administration] Hungerland J, et al. Albrecht von Graefes Arch Klin Ophthalmol 180:147-51, 1970 (Ger)

THERAPEUTIC USE

[Contribution to the study of syphilis. Treatment with a tetracycline derivative of syhilis seroresistant to penicillin] Wanet J. Arch Belg Dermatol Syphiligr 25:41-71, Jan-Mar 69 (Fre)
[Use of transcycline in fever states following induced abortion] Cacault JA. Bull Fed Soc Gynecol Obstet Lang Fr 21:116-24, Apr-May 69 (Fre)
[Combination of chloramphenicol succinate of pyrrolidine methyl-tetracycline, guaiacol glyceryl ether and beta-hydroxypropyl-theophylline in the therapy of diseases of the respiratory tract in aged patients] Michetti A, et al. G Gerontol 17:261-78, Mar 69 (Ita)

ROMBERG'S DISEASE see under FACIAL HEMIATROPHY (C17)

RONDOMYCIN see METHACYCLINE (D3)

ROOT CANAL OBTURATION (E6)

Use of silver points with improved digital control. Weine FS, et al. J Am Dent Assoc 83:125-8, Jul 71
Sealing of root perforations by apicoectomy. Schommer JD, et al. J Can Dent Assoc 37:350-2, Sep 71
Histologic evaluation of endodontic procedures in dogs. Bhaskar SN, et al. Oral Surg 31:526-35, Apr 71
Laser use in endodontics. A preliminary investigation. Weichman JA, et al. Oral Surg 31:416-20, Mar 71
[A control study on crowns and bridges on root filled teeth] Rantanen T. Suom Hammaslaak Toim 66:275-88, 1970 (Fin)
[Ocalex therapy in pedodontics] Maringe-Chastang M, et al. Rev Belge Med Dent 26:23-33, 1971 (Fre)
[Experimental studies on the question of mechanical and chemical root canal preparation and on the adhesiveness of root canal filling materials] Fromme HG, et al. Dtsch Zahnaerztl Z 25:865-76, Sep 70 (Ger)
[The pin method in endodontics] Guldener P. Schweiz Monatsschr Zahnheilkd 81:52-69, 1971 (Ger)
[The filling technic in endodontics] Guldener PH. Schweiz Monatsschr Zahnheilkd 81:311-27, Apr 71 (Ger)
[The endometric probe] Renggli HH. Schweiz Monatsschr Zahnheilkd 81:133-6, Feb 71 (Ger)
[Our experiences at the dental clinic with the root canal filling material AH 26] Farkasfalvy M. Fogorv Sz 64:8-12, Jan 71 (Hun)
[Clinical observations on the Bernard method of root canal obturation and expansion. Long-term follow-up of the results and considerations on the technic] Fiorentini S, et al. Arcisp S Anna Ferrara 22:489-99, 1969 (Ita)
[Conservative therapy. Biological basis, materials and methods of root canal obturation] Borsotti G. Dent Cadmos 33:1481-500, Nov 65 (Ita)
[Criteria for root canal obturation] Corneo EJ. Mondo Odontostomatol 13:239-50, Mar-Apr 71 (Ita)
[Filling of root canals from the prosthetic view-point] Kulikowski A, et al. Czas Stomatol 24:57-9, Jan 71 (Pol)
[Experimental and clinical studies of a preparation used in root canal obturation] Cunea E, et al. Stomatologia (Bucur) 18:123-31, Mar-Apr 71 (Rum)
[Endodontics and eutrophics of Black's undifferentiated space] Brero A, et al. ADM 26:267-71, May-Jun 69 (Spa)

ADVERSE EFFECTS

Localized argyria after a surgical endodontic procedure. Report of a case. Kirchoff DA. Oral Surg 32:613-7, Oct 71
[Estimation of air-tightness and antimicrobial effect of N2 paste] Kvapilová J. Cesk Stomatol 71:143-7, May 71 (Cze)
[Amalgam restoration and root filling, approximate fit and apical inadequacy] Moiven O. Nor Tannlaegeforen Tid 81:345-57, May 71 (Nor)
[The morphologic state of parodontal tissue foll owing removal of dental pulp and filling of root canals] Samoilenko LA. Vrach Delo 122-4, Jan 71 (Rus)

INSTRUMENTATION

Length control of root canal instruments. An improved system. Saunders M. Br Dent J 129:337-8, 6 Oct 70

STANDARDS

Periapical and intracranial healing following incomplete root canal fillings in dogs. Davis MS, et al. Oral Surg 31:862-75, May 71

ROOT CANAL THERAPY (E6)

Periapical repair following conservative endodontic therapy. Heithersay GS. Aust Dent J 15:511-8, Dec 70
Treatment of the open apex--pulp involvement through trauma. Case reports. Simpson ST. Aust Dent J 15:392-5, Oct 70
The role of endodontics in restorative dentistry. Blair HA. Dent Clin North Am 15:619-26, Jul 71
The scope of surgery in endodontics for the retention of anterior and posterior teeth. 2. Goldsmith LP. Dent Dig 76:512-7, Dec 70
Combined endodontic and dowel-type restorative procedures. McPherson JL. Dent Dig 77:16-22, Jan 71
Treatment of non-vital deciduous teeth in general practice. Palmer JD. Dent Pract Dent Rec 21:150-2, Jan 71
Posttreatment endodontic pain. Clem WH. J Am Dent Assoc 81:1166-70, Nov 70
Prevention in endodontic practice. Grossman LI. J Am Dent Assoc 82:395-6, Feb 71
Endodontic treatment of a fused mesiodens: report of case. Harris WE. J Am Dent Assoc 83:643-6, Sep 71
Case presentation visual aids for pulp therapy in primary teeth. Gellin ME. J Can Dent Assoc 37:241-3, Jun 71
Position of the apical foramen in relation to endodontic therapy. Palmer MJ, et al. J Can Dent Assoc 37:305-8, Aug 71
Rationalized endodontic treatment by a bacteriologic direct sampling technique. Oigart LG. J Dent Res 49:Suppl:1427-30, Nov-Dec 70
The clinical use of polymer-coated metal pins as endosteal implants. Hodosh M, et al. J Prosthet Dent 25:85-91, Jan 71
Reclaiming the irretrievable tooth. Giro CM. NY J Dent 41:97-100 passim, Mar 71
Statistical evaluation of the success of endodontically

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

treated teeth. Heling B.
NY J Dent 41:69 passim, Feb 71
What root canal therapy means. Luks S.
NY J Dent 41:41, Jan 71
The acute apical abscess. Auslander WP.
NY State Dent J 36:623-30, Dec 70
Electrosurgery--endodontic applications. Feldman G, et al. NY State Dent J 36:605-8, Dec 70
Replantation after extraction and retrograde root canal filling. Report of a case. Kuerer B.
NY State Dent J 37:355-7, Jun-Jul 71
The endodontic culture technique. Factors leading to false positive and negative results. Morse DR.
NY State Dent J 37:88-94, Feb 71
Extra-oral fistula of dental origin treated endodontically. Scopp IW, et al.
NY State Dent J 37:11-2, Jan 71
Apical closure of nonvital teeth. Dylewski JJ.
Oral Surg 32:82-9, Jul 71
Culturing root canals by endodontic diplomates: a report based on a questionnaire. Lane AJ, et al.
Oral Surg 32:461-6, Sep 71
The solvent action of sodium hypochlorite on pulp tissue of extracted teeth. Senia ES, et al.
Oral Surg 31:96-103, Jan 71
Endodontic therapy involving a taurodontic tooth. Widerman FH, et al. Oral Surg 32:618-20, Oct 71
[The periapical lesions in endodontically treated teeth: a statistic observation of dental x-ray films] Tsai GS.
J Formosan Med Assoc 69:305-10, 28 Jun 70 (Chi)
[Extensive bridgework restorations. Endodontic treatment of the abutments] Bigot C, et al.
Rev Belge Med Dent 25:179-91, 1970 (Fre)
[Sterilization of endodontic instruments] Demars C, et al. Rev Belge Med Dent 25:539-52, 1970 (Fre)
[Bacteriological studies of the dental pulp cavity treated after puplectomy] Lepoivre M, et al.
Rev Port Estomatol Cir Maxilofac 11:121-2, Jan-Jun 70 (Fre)
[The place of crown-root resections in conservative dentistry] Goudaert M, et al.
Rev Stomatoodontol Nord Fr 26:21-32, 1971 (Fre)
[Indications and technics for radicular treatment in category 3 pulpal diseases] Holz J, et al.
Schweiz Monatsschr Zahnheilkd 80:56-74, Jan 70 (Fre)
[Treatment of apical periodontitis] Franke J.
Dtsch Stomatol 21:373-9, May 71 (Ger)
[Critical evaluation of chemical and mechanical endodontic preparation] Fuchs B, et al.
Dtsch Stomatol 21:366-9, May 71 (Ger)
[Usefulness of low frequency ultrasonics for root canal preparations] Nosszek H.
Dtsch Stomatol 21:369-73, May 71 (Ger)
[15 years experience with endosseous pinning for prosthetic irdications] Staegemann G.
Dtsch Stomatol 21:454-9, Jun 71 (Ger)
[Preliminary report on the use of the fistulator in the single stage treatment of gangrenous teeth]
Schweiz Monatsschr Zahnheilkd 80:1163-8, 1970 (Ger)
[Juvenile incisor injury and its treatment. Case report] Herforth A. ZWR 80:10-4, 10 Jan 71 (Ger)
[Occlusion of the apical foramina of the teeth by formation of autologous hard tissue] Raab H.
ZWR 80:145-8, 25 Feb 71 (Ger)
[Semidissection of molar roots as a method for their partial or total preservation] Pseutoudis E.
Stomatologia (Athenai) 27:281-7, Sep-Oct 70 (Gre)
[Indications for the preservation of the vitality of the dental pulp in state dentistry] Lőrinczy E.
Fogorv Sz 64:213-6, Jul 71 (Hun)
[Conservative therapy. Technic for root canal preparation in endodontic therapy] Borsotti G.
Dent Cadmos 33:1217-8 passim, Sep 65 (Ita)
[Conservative therapy. Technic for root canal preparation in endodontic therapy] Borsotti G.
Dent Cadmos 33:1217-9 passim, Sep 65 (Ita)
[New technic of intrapulpal anesthesia] Sudaka CM.
Dent Cadmos 39:32-41, Jan 71 (Ita)
[Conservative and endodontic treatment of deciduous teeth] Castagnola L, et al.
Mondo Odontostomatol 13:27-35, 1970-71 (Ita)
[Dental practitioner and root canal therapy] Kurokawa S. J Jap Dent Assoc 24:243-51, Jun 71 (Jap)
[Late results of treatment of teeth with periapical changes by one-time method using Rezoform paste for filling root canals] Krupińska A, et al.
Czas Stomatol 24:877-85, Aug 71 (Pol)
[Use of a combination of sodium hypochlorite and anionic detergent (in solution with 4-6 per cent chlorine which can be liberated by 100 ml) in root canal treatment] Leonardo MR.
Rev Bras Odontol 27:197-208, Jul-Aug 70 (Por)
[The value of bacteriological tests in endodontics] Miranda VC.
Rev Bras Odontol 28:101-3, May-Jun 71 (Por)
[The surgical treatment of apical periodontitis of uniradicular teeth] Topol'skif SM.
Stomatologiia (Mosk) 49:79-80, Nov-Dec 70 (Rus)
[Emergencies in endodontics] Basrani E, et al.
Rev Asoc Odontol Argent 58:34-5, Jan-Mar 70 (Spa)
[Treatment and obturation of root canals with necrotic pulp] Pecoraro E.
Rev Sanid Milit Argent 68:140-6, Dec 69 (Spa)
[Secondary production of hard tissue in the apical foramen after the application of calcium hydroxide as a contrast medium] Haverla T.
Cesk Stomatol 71:208-13, Jul 71 (Slo)

ADVERSE EFFECTS

The case history of a root perforation and a method for its prevention. Riggans JW Jr.
Dent Dig 77:275-9, May 71
Unusual endodontic complication: report of case. Harris WE. J Am Dent Assoc 83:358-63, Aug 71
Longitudinal root fracture due to corrosion of an endodontic post. Petersen KB.
J Can Dent Assoc 37:66-8, Feb 71
Sealing of root perforations by apicoectomy. Schommer JD, et al. J Can Dent Assoc 37:350-2, Sep 71
A case report. The consequences of leaving a root canal open for drainage. Slaven J.
NY J Dent 41:283-4 passim, Oct 71
Accidental swallowing of an endodontic instrument. Goultschin J, et al. Oral Surg 32:621-2, Oct 71
Predictable endodontic and periodontic failures as a result of radicular anomalies. Simon JH, et al.
Oral Surg 37:823-6, Jun 71
Root fractures due to corrosion. Diagnostic aspects. Rud J, et al. Scand J Dent Res 78:397-403, 1970
[Studies on cement base material] Demmel HJ.
Dtsch Zahnaerztl Z 26:235-40, Feb 71 (Ger)
[A case of morpho-functional disturbance as a complication of root canal therapy] Heimdahl A.
Odontol Foren Tidskr 33:101-5, 1969 (Swe)

INSTRUMENTATION

A comparison of canal preparations in straight and curved root canals. Schneider SW.
Oral Surg 32:271-5, Aug 71
A comparison of the dentin-removing ability of five root canal instruments. Molven O.
Scand J Dent Res 78:500-11, 1970
[J.I. Ingle's standardized endo-box for root canal instruments] Reenen GJ van.
Ned Tijdschr Tandheelkd 78:235-8, Jun 71 (Dut)
[Biological technics in endodontics] Laurichesse JM, et al. Rev Fr Odontostomatol 18:541-76, May 71 (Fre)
[Experimental studies on the question of mechanical and chemical root canal preparation and on the adhesiveness of root canal filling materials] Fromme HG, et al. Dtsch Zahnaerztl Z 25:865-76, Sep 70 (Ger)
[The endometric probe] Renggli HH.
Schweiz Monatsschr Zahnheilkd 81:133-6, Feb 71 (Ger)
[Proposal for a compact endodontic set] Renggli HH, et al.
Schweiz Monatsschr Zahnheilkd 80:1150-3, 1970 (Ger)
[Mechanism of action of the root canal reamer] Walter J. ZWR 80:53-6, 25 Jan 71 (Ger)
[The mechanism of action of instruments for root canal dilatation] Walter J. Fogorv Sz 64:179-84, Jun 71 (Hun)
[Criteria for root canal obturation] Corneo EJ.
Mondo Odontostomatol 13:239-50, Mar-Apr 71 (Ita)
[Dental instruments and their role in endodontics] Ivashchenko GM, et al.
Stomatologiia (Mosk) 50:51-5, May-Jun 71 (Rus)

STANDARDS

Discussion of: methods and criteria in evaluation of periapical response. Muruzábal M, et al.
Int Dent J 20:539-54, Sep 70
Methods and criteria in evaluation of periapical tissue response. Oynick J. Int Dent J 20:533-8, Sep 70
Panel discussion. International Conference on dental plaque and standardization of methods of evaluating tissue reaction. Int Dent J 20:555-60, Sep 70

VETERINARY

Unusual case of endodontic and restorative therapy. Cossman MH. Dent Dig 77:218-21, Apr 71
Endodontic therapy for canine teeth in the dog. Ross DL, et al. J Am Vet Med Assoc 157:1713-8, 1 Dec 70

ROOT RESORPTION see under TOOTH

RESORPTION (C4, G1)

RORSCHACH TEST (E1, F3)

The effect of hypnotically induced and nonhypnotic mood changes on the Rorschach test. Howell RJ, et al.
Int J Clin Exp Hypn 19:28-36, Jan 71
Evaluation of group therapy with preadolescent girls: assessment of therapeutic effects based on Rorschach records. Shere ES, et al.
Int J Group Psychother 21:99-104, Jan 71
Frequency of "primary process" responses on the Rorschach Test in non-clinical subjects. Weiss AA.
Isr Ann Psychiatry 8:81-6, Apr 70
Further validation of a Rorschach measure of oral imagery: a study of six clinical groups. Weiss L, et al.
J Abnorm Psychol 76:83-7, Aug 70
Alcoholism and the Rorschach. Ackerman MJ.
J Pers Assess 35:224-8, Jun 71
Socio-economic class bias in Rorschach diagnosis: contributing psychosocial attributes of the clinician. Trachtman JP. J Pers Assess 35:229-47, Jun 71
Two cases of psychiatric symptoms following exposure to the Rorschach. Bondy M.
J Proj Tech Pers Assess 34:432-4, Oct 70
Rorschach content responses of East Indian psychiatric patients. Brar HS.
J Proj Tech Pers Assess 34:88-94, Apr 70
Effects of model's and observer's hostility on Rorschach, interview and test performance. Ganzer VJ, et al. J Proj Tech Pers Assess 34:302-15, Aug 70
Sexual aspects of Rorschach administration. Hersen M.
J Proj Tech Pers Assess 34:104-5, Apr 70
Interpreter bias on the Rorschach Test as a function of patients' socioeconomic status. Levy MR, et al.
J Proj Tech Pers Assess 34:106-12, Apr 70
Intelligence and the Rorschach whole response. Marsden G. J Proj Tech Pers Assess 34:470-6, Dec 70
Intra-protocol plate failures: an investigation of Rorschach card meaning. Wagner EE, et al.
J Proj Tech Pers Assess 34:484-6, Dec 70
Symbolic meaning of Rorschach cards II, IV and VII. Thakur GP, et al. Percept Mot Skills 32:190, Feb 71
Exhibitionistic M in drama majors: a validation. Wagner EE, et al. Percept Mot Skills 32:125-6, Feb 71
Correlation of somatic, biochemical, perceptual, and Rorschach data on 40 healthy male subjects. Murawski BJ, et al. Psychophysiology 6:761-72, May 70
[Connotative semantics of Roschach's test cards] Dahan G, et al. Annee Psychol 71:127-38, 1971 (Fre)
[On the problem of the psychological selection of student pilots. Study of the affective stupefaction before the colored pictures of the Rorschach test in a group of student pilots] Sparvieri F.
Riv Med Aeronaut Spaz 34:93-100, Jan-Jun 71 (Ita)
[Psychology of the developmental age. Longitudinal findings in repeatedly applying the Rorschach method to 7 subjects of the same family from 4 to 22 years old] Rizzo C, et al. Riv Neurol 40:1-71, Jan-Feb 70 (Ita)

ROSA (B6)

Some properties of rose mosaic virus from South Australia. Basit AA, et al.
Aust J Biol Sci 23:1197-206, Dec 70

ROSACEA (C12)

[Gastric acid secretion and mucosal morphology in rosacea] Drunkenmölle R, et al.
Dermatologica 141:385-92, 1970 (Ger)
[Causes and therapy of perioral rosacea and dermatitis] Schnellen B.
Z Allgemeinmed 46:1740-3, 20 Dec 70 (Ger)
[Electrometric study of some types of neuroangiodermatitis] Scarpa C, et al.
G Ital Dermatol 44:544-6, Oct 69 (Ita)
[Acne rosacea] Hatano H, et al.
Surg Ther (Osaka) 24:567-8, May 71 (Jap)

DIAGNOSIS

Demodex dermatitis in a child. Gold SC.
Br J Dermatol 83:423, Sep 70
Lupus miliaris disseminatus faciei: a case report. Banerjee BN, et al. Int J Dermatol 9:173-6, Jul-Sep 70
[Differential diagnosis of rosacea] Steigleder GK.
Hautarzt 22:91-4, Mar 71 (14 ref.) (Ger)

DRUG THERAPY

[Treatment of acne rosacea with isoniazid] Laugier MP, et al.
Bull Soc Fr Dermatol Syphiligr 77:450-2, 1970 (Fre)
[Tetracycline treatment of rosacea] Wereide K.
Tidsskr Nor Laegeforen 91:27-8, 10 Jan 71 (Nor)
[Pathogenesis and hormone treatment of rosacea in women] Budnitskaia II.
Vestn Dermatol Venerol 44:28-31, Aug 70 (Rus)

ETIOLOGY

[A case of acne rosacea of dental origin] Lepoivre M, et al. Acta Stomatol Belg 67:409-14, 1970 (Fre)
[Association of posthepatitis hyperbilirubinemia and rosacea] Nini G, et al.
G Ital Dermatol 44:534-8, Oct 69 (Ita)
[Pathogenesis and hormone treatment of rosacea in women] Budnitskaia II.
Vestn Dermatol Venerol 44:28-31, Aug 70 (Rus)

FAMILIAL & GENETIC

Haber's syndrome. Familial rosacea-like dermatosis with keratotic plaques and pitted scars. Seiji M, et al.
Arch Dermatol 103:452-5, Apr 71

PATHOLOGY

[Rhinophyma] Hadders HN, et al.
Ned Tijdschr Geneeskd 115:876-81, 15 May 71 (Dut)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SURGERY

[Surgical treatment of rhinophyma] Morelli E, et al.
Minerva Chir 25:1022-7, 31 Jul 70 (Ita)

THERAPY

[Evaluation of cryotherapy as an auxiliary method in the treatment of acne rosacea] Lejman K.
G Ital Dermatol 46:141-2, Mar 71 (Fre)

ROSANILINE DYES (D13)

Semi-micro, dye-binding assay for rabbit interferon. Armstrong JA. Appl Microbiol 21:723-5, Apr 71
Colorimetric measurement of serum bromide with a bromate-rosaniline method. Goodwin JF.
Clin Chem 17:544-7, Jun 71
Independence of paraldehyde-fuchsin staining of the corpus cardiacum and the presence of the neurosecretory hormone required for egg development in the mosquito. Meola R, et al.
Gen Comp Endocrinol 16:105-11, Feb 71
Basic fuchsin in acid alcohol: a simplified alternative to Schiff reagent. Horobin RW, et al.
Stain Technol 46:53-8, Mar 71
Aldehyde-fuchsin followed by toluidine blue O for pancreatic islet cells. Kallman J.
Stain Technol 46:210-1, Jul 71
[Study of beer drinkers' cardiomyopathy with the use of acid fuchsin stain] Couture G, et al.
Can Med Assoc J 104:994-7, 5 Jun 71 (Fre)
[Fuchsinophilic myocardial degeneration] Côté G, et al.
Laval Med 41:946-50, Sep 70 (Fre)
[Staining of nucleic acids with methyl green-safranine] Krutsay M.
Acta Histochem (Jena) 38:352-5, 1970 (Ger)
[Nature of the so-called fuchsinophilic degeneration of the myocardium] Semenova LA.
Arkh Patol 33:24-9, 1971 (Rus)

ADVERSE EFFECTS

Allergic reaction to patient blue dye in lymphangiography. Mortazavi SH, et al.
Clin Radiol 22:389-90, Jul 71
[Anaphylactic shock after application of Milian's solution. Apropos of 2 cases] François A, et al.
Bull Soc Fr Dermatol Syphiligr 77:834-7, 1970 (Fre)

CHEMICAL SYNTHESIS

Basic fuchsin and the preparation of Schiff's reagent. Lane RF, et al. Med Lab Technol 28:26-34, Jan 71

DIAGNOSTIC USE

[Plaque demonstration by means of staining with fuchsin] Ketterl W, et al. DDZ 24:538-40, Dec 70 (Ger)

PHARMACODYNAMICS

[The antimycotic effect of the leucobases of various triphenylmethane dyes] Böhm W.
Mykosen 12:545-50, 1 Sep 69 (Ger)

THERAPEUTIC USE

[Antibiotic, triphenylmethane dyes and boric acid in increased occurrence of Pseudomonas aeruginosa] Möhlenbeck F.
Z Haut Geschlechtskr 45:329-32, 15 Apr 70 (Ger)

ROSE BENGAL (D13)

Rose Bengal as a reporter of the polarity and the acidity of the TPN binding site in 6-phosphogluconate dehydrogenase. Rippa M, et al.
Ital J Biochem 19:178-92, May-Jun 70
The structure and function of ribonuclease T1. XII. Further studies on rose bengal-catalyzed photooxidation of ribonuclease T1--identification of a critical histidine residue. Takahashi K.
J Biochem (Tokyo) 69:331-8, Feb 71
Rose Bengal as a specific photosensitizer for a histidine residue at the triphosphopyridine nucleotide binding site of 6-phosphogluconate dehydrogenase. Rippa M, et al. J Biol Chem 245:4977-81, 10 Oct 70
[The scintillation camera. Its value for the study of hepatic function and of biliary duct permeability after intravenous injection of rose bengal labeled with iodine 131] Capitaine Y, et al.
Rev Int Hepatol 19:439-50, 1969 (Fre)
[Dynamic study of the liver and gallbladder by quantitative radioisotope scanning with I-131 labelled rose bengal in opisthorchiasis] Finaeva DE, et al.
Med Parazitol (Mosk) 39:405-9, Jul-Aug 70 (Rus)

DIAGNOSTIC USE

Rose bengal vital staining. Staining of cornea and conjunctiva by 10 prcent rose bengal, compared with 1 percent. Norn MS.
Acta Ophthalmol (Kbh) 48:546-59, 1970
Radioactive (R.B.I.-131) rose Bengal excretion test in the obstructive jaundices of the infants. Schmidt BJ, et al. Acta Paediatr Scand 60:373, May 71
The Rose Bengal test. Davies G.
Vet Rec 88:447-9, 24 Apr 71
[Are there incompatibilities in bengal-rose liver function tests?] Emerit J.
Munch Med Wochenschr 113:492-3, 26 Mar 71 (Ger)
[Functional scintigraphy of the liver with I-131-bengal rose or I-131-bromsulphaleinin the differential diagnosis of icterus] Deckart H, et al.
Radiobiol Radiother (Berl) 11:527-40, 1970 (Ger)
[Combined use of rose bengal I-131 and colloidal Au-198 in the study of chronic liver diseases] Mombelli L, et al. Radiol Med (Torino) 55:31-40, Jan 69 (Ita)
[Significance of the kinetics of labelled compounds for evaluating liver function] Modestov VK, et al.
Med Radiol (Mosk) 15:37-40, Oct 70 (Rus)
[Evaluation of the results of liver studies using I 131-rose bengal] Vinogradova MA, et al.
Med Radiol (Mosk) 15:30-8, Jul 70 (Rus)

PHARMACODYNAMICS

Studies on thermolysin. I. Inactivation of thermolysin by rose bengal-catalyzed photooxidation--evidence for the presence of a critical histidine residue. Abe T, et al. J Biochem (Tokyo) 69:363-8, Feb 71

SECRETION

Biliary secretion of rose bengal in the dog. Varga F, et al. Acta Physiol Acad Sci Hung 38:143-9, 1970

ROSENZWEIG PICTURE-FRUSTRATION STUDY

see under PROJECTIVE TECHNICS (E1, F3)

ROSEOLA INFANTUM see EXANTHEMA SUBITUM

(C1, C12)

ROTATION (H)

Comparative study of the rotatory vestibular nystagmus thresholds obtained by means of constant or sinusoidal angular acceleration. Preliminary report. Montandon A, et al.
Acta Otolaryngol (Stockh) 71:273-7, Feb-Mar 71
Head and shoulder girdle linkage. Stepping in place. Waterland JC, et al. Am J Phys Med 49:279-89, Oct 70
Eye-dependent and disparity adaptation to opposite visual-field rotations. Mack A, et al.
Am J Psychol 83:352-71, Sep 70
Cycloduction of the eyes with head tilt. Linwong M, et al. Arch Ophthalmol 85:570-3, May 71
The otoliths and the ocular countertorsion reflex. Nelson JR, et al. Arch Otolaryngol 94:40-50, Jul 71
Difference spectropolarimetry as a probe for small conformational changes. Adkins RJ, et al.
Biochemistry 7:266-71, Jan 68
Anisotropic absorption of linearly polarized light by cylindrical molecules. Gabler R, et al.
Biophys J 11:302-7, Mar 71
The influence of force magnitude on the perception of body position. I. Effects of head posture. Wade NJ, et al. Br J Psychol 62:157-63, May 71
The production of torque during axial rotation of the trunk. Grieve DW, et al. J Anat 107:147-64, Jul 70
Development of stress ulcer in rats and guinea pigs by mechanical rotation. Hase T, et al.
J Appl Physiol 30:580-2, Apr 71
Unidirectional rotation neurones in the optomotor system of the crab, Carcinus. Wiersma CA, et al.
J Exp Biol 54:507-13, Apr 71
Perceptual-motor performance under rotation of the central field. Smothergill DW, et al.
J Exp Psychol 87:64-70, Jan 71
Vestibular stimulation and auditory thresholds. Lester G. J Gen Psychol 85:103-5, Jul 71
Response of semicircular canal dependent units in vestibular nuclei to rotation of a linear acceleration vector without angular acceleration. Benson AJ, et al.
J Physiol (Lond) 210:475-94, Feb 70
Implications of torsional potential of retinal isomers for visual excitation. Honig B, et al.
Nature (Lond) 229:558-60, 19 Feb 71
Interaction between an amide nitrogen lone pair and a noncontiguous carbonyl carbon and its effect on amide rotation. Portoghese PS, et al.
Nature (Lond) 230:457-9, 16 Apr 71
Digital rotation of the vertex. Lowenstein A, et al.
Obstet Gynecol 37:790-1, May 71
Relative effects of figural noise and rotation on the visual perception of form. Alluisi EA, et al.
Percept Mot Skills 31:547-54, Oct 70
A direct experimental evaluation of computed cobalt-60 rotation dose distributions. Rawlinson JA, et al. Phys Med Biol 16:511-9, Jul 71
[Electronystagmographic studies on the relations between the extent of the vestibular reaction and the distance of the head from the rotation axis] Radzimiński A, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:156-61, 1970 (Ger)
[Reflex rotation as a pathway to human locomotion] Vojta V. Z Orthop 108:446-52, Nov 70 (Ger)
[Measurement of vertebral column rotation] Pavelka K. Z Rheumaforsch 29:366-70, Nov-Dec 70 (Ger)
[Experimental studies on the changes in nystagmus caused by angulaa acceleration during eccentric rotation] Castellini V, et al.
Clin Otorinolaringoiatr 21:293-318, Sep-Oct 69 (Ita)
[Changes of atmospheric pressure in the external auditory canal and ocular nystagmus caused by rotatory stimulation] Valenti S.
Minerva Med 62:1277-81, 24 Mar 71 (Ita)
[Movement of the capula of the semicircular apparatus by rotatory stimulation in the pigeon] Kuwashima R.
J Otolaryngol Jap 74:755-66, Apr 71 (Jap)
[Effect of gravitation loads on the lymphatic vessels and nodes of the rabbit pelvic extremities] Pshegornitskif BI.
Arkh Anat Gistol Embriol 60:80-5, 1971 (Rus)
[Interaction of the semicircular canals and otoliths] Kislikov VA, et al.
Fiziol Zh SSSR 56:1731-44, Dec 70 (Rus)
[Electromyographic characteristics of the antagonistic muscles of the extremities upon adequate vestibular stimulation] Ufliand IuM, et al.
Fiziol Zh SSSR 56:191-6, Feb 70 (Rus)
[Direction of endolymph shift in the semicircular canals during rotation of humans with head inclinations in the sagittal plane] Solodovnik FA.
Izv Akad Nauk SSSR [Biol] 1:60-8, Jan-Feb 71 (Rus)
[Universal portable chair for rotation] Fomin VS.
Vestn Otorinolaringol 32:93, Jul-Aug 70 (Rus)
[Relationship between vestibular excitability indices in mechanical and caloric stimuli in healthy persons] Tulkin VN.
Vestn Otorinolaringol 32:84-8, Sep 70 (Rus)

DIAGNOSTIC USE

[The rotatory intensity damping test and its evaluation using the L-scheme] Claussen CF.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:351-60, 1971 (Ger)

INSTRUMENTATION

A flow-through device for urine polarimetry. Helbing AG, et al. Clin Chim Acta 31:492-3, Feb 71
A nylon reograd rotor embodying new principles. Poison A, et al. Experientia 26:1038-40, 26 Sep 70

ROTENONE (D3)

ANALYSIS

Distribution of rotenone and deguelin in Tephrosia vogelii and separation of rotenoid-rich fractions. Delfel NE, et al.
J Agric Food Chem 18:385-90, May-Jun 70

PHARMACODYNAMICS

Inhibition of the mitochondrial respiratory chain in isolated atria--a comparison of rotenone and amytal. Liu M, et al. Biochem Pharmacol 19:197-207, Jan 70
Acquisition and loss of rotenone sensitivity in Torulopsis utilis. Katz R, et al.
Eur J Biochem 21:301-7, 16 Aug 71
Effects of o-phenanthroline and rotenone on the energy-linked swelling of rat liver mitochondria. Bhuvaneswaran C, et al. Life Sci [II] 10:823-9, 22 Jul 71

TOXICITY

Time-dependent changes in toxicity of rotenone dispersions to trout. Loeb HA, et al.
Toxicol Appl Pharmacol 17:605-14, Nov 70

ROUND LIGAMENT see under ADNEXA UTERI

(A5)

ROUS SARCOMA (C1, C2)

A full expression of the genome of Rous sarcoma virus in heterokaryons formed after fusion of virogenic mammalian cells and chicken fibroblasts. Machala O, et al. J Gen Virol 8:219-29, Sep 70
[Infectious properties of Rous sarcoma virus RNA and total RNA from tumors induced by this virus] Kuznetsov OK, et al.
Biull Eksp Biol Med 70:78-80, Oct 70 (Rus)

ETIOLOGY

The induction of tumours with Rous sarcoma virus in Microtus agrestis: a preliminary note. Smith CA, et al.
Arch Geschwulstforsch 35:299-307, 1970

IMMUNOLOGY

Cellular immunity to Rous sarcoma in tumor-bearing

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chickens. Sjögren HO, et al.
Cancer Res 30:2434-7, Sep 70
Tumor-specific immunity in the course of primary polyoma and Rous tumor development in intact and immunosuppressed rats. Sjögren HO, et al.
Cancer Res 31:890-900, Jun 71
Cellular immunity induced by Rous sarcoma virus in Japanese quail. I. Effect of anti-lymphocyte serum on oncogenesis of Rous sarcoma virus. Yamanouchi K, et al. Jap J Med Sci Biol 23:395-402, Dec 70
Subcutaneous tumours induced by Bryan strain chicken Rous sarcoma in thymectomized and ALS-treated hamsters. De Halleux F.
Neoplasma 18:33-9, 1971
Resistance to Rous sarcoma elicited by immunization with live virus. Sigel MM, et al.
Proc Soc Exp Biol Med 137:142-6, May 71
[Virus particle antigens in virus-free tumors of adult rats induced by the Rous virus] Kuznetsova NN, et al.
Biull Eksp Biol Med 70:66-9, Sep 70 (Rus)

METABOLISM

The effects of theophylline on mucosubstance secretion by rous sarcoma cells. Coe DM, et al.
Biochem J 120:21P, Dec 70

MICROBIOLOGY

Isolation of a variant strain of Rous sarcoma virus oncogenic for ducks and mammals. Kuwata T, et al.
Arch Gesamte Virusforsch 32:1-12, 1970
Presence of Rous sarcoma virus inside the mitochondria isolated by zonal and differential centrifugation from Rous sarcoma cells. Mach O, et al.
Folia Biol (Praha) 17:65-72, 1971

PATHOLOGY

An electron microscopic study of Rous hamster and rat sarcoma cells interacting with chicken cells in the chorio-allantoic membrane. Lindberg LG.
Acta Pathol Microbiol Scand [A] 78:380-94, 1970
Correlated virological and ultrastructural study of Schmidt-Ruppin Rous sarcoma virus-induced dog brain tumors. Bigner DD, et al.
J Neuropathol Exp Neurol 30:122-3, Jan 71
Interactions between cells with different degrees of malignancy. Veselý P, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:235-9, 1970

PHYSIOPATHOLOGY

Thromboplastic and fibrinolytic properties of three transplantable rat tumours. Peterson HI, et al.
Acta Chir Scand 136:365-8, 1970
Rous sarcoma recurrence and Rous sarcoma virus growth in chicken muscle. Dinowitz M, et al.
Int J Cancer 6:160-71, 15 Sep 70

PREVENTION & CONTROL

Sarcoma blockade in vivo. Rabies-Rous system in chickens. Desai SM. Nature (Lond) 228:460-1, 31 Oct 70

VETERINARY

Selection in chickens for retrogression of tumors caused by Rous sarcoma virus. Gyles NR, et al.
Poult Sci 50:901-5, May 71

ROUS SARCOMA VIRUS (B4)

Studies on nucleic acids in Rous sarcoma virus-induced mouse ascites sarcoma cells. Distribution and electron microscopy of nucleic acids in subcellular fractions and circular DNA in mitochondrial fraction. Yamamoto G, et al.
Acta Med Okayama 24:287-302, Jun 70
Identification of virus-specific RNA in cells infected with Rous sarcoma virus. Garapin AC, et al.
Biochem Biophys Res Commun 42:919-25, 5 Mar 71
Effect of growth on the glycoproteins from the surface of control and Rous sarcoma virus transformed hamster cells. Buck CA, et al.
Biochemistry 10:2176-80, 25 May 71
The growth capacity of normal and Rous-virus-transformed chicken fibroblasts in vitro. Pontén J. Int J Cancer 6:323-32, 15 Nov 70
Transformation of human cells by polyoma and Rous sarcoma viruses mediated by inactivated Sendai virus. Shevliaghyn VJ, et al. Int J Cancer 6:234-44, 15 Sep 70
Studies on the loss of growth inhibition in cells infected with Rous sarcoma virus. Weiss R.
Int J Cancer 6:333-45, 15 Nov 70
Proteins of avian tumor viruses with different coat antigens. Robinson WS, et al. J Virol 6:695-8, Nov 70
Isolation of different kinds of non-virus producing chick cells transformed by Schmidt-Ruppin strain (subgroup A) of Rous sarcoma virus. Kawai S, et al.
Jap J Exp Med 40:243-56, Aug 70
Cellular immunity induced by rous sarcoma virus in Japanese quail. II. Effect of thymectomy and bursectomy on oncogenesis of rous sarcoma virus. Yamanouchi K, et al. Jap J Med Sci Biol 24:1-8, Feb 71
Viral-induced mutagenesis: tests in Gallus domesticus. Thelen TH, et al. Mutat Res 9:425-33, Apr 70
Nature of ribonuclease-resistant nucleic acid of chick embryo cells transformed by Schmidt-Ruppin strain of Rous Sarcoma Virus. Reddi KK.
Nature [New Biol] 229:25-7, 6 Jan 71
Overgrowth-stimulating activity of disrupted chick embryo cells and cells infected with Rous sarcoma virus. Rubin H.
Proc Natl Acad Sci USA 67:1256-63, Nov 70
Further characterization of the cellular DNA hybridizing with the RNA of Rous sarcoma virus. Yoshikawa-Fukada M, et al.
Proc Natl Acad Sci USA 68:743-6, Apr 71
A mutant of rous sarcoma virus (type O) causing fusiform cell transformation. Yoshii S, et al.
Proc Soc Exp Biol Med 135:297-301, Nov 70
Glycopeptides from the surface of control and virus-transformed cells. Buck CA, et al.
Science 172:169-71, 9 Apr 71
Characteristics of cores of avian leuko-sarcoma viruses. Bader JP, et al. Virology 41:718-28, Aug 70
An avian leukosis virus related to RSV(O): properties and evidence for helper activity. Vogt PK, et al.
Virology 43:223-34, Jan 71
[Study of the oncogenic and infectious functions coded by Rous sarcoma virus] Goldé A.
Bull Cancer (Paris) 57:195-216, Apr-Jun 70 (Fre)
[Isolation and study of a conditional mutant of Rous virus with thermosensitive transforming capacity] Biquard JM, et al.
C R Acad Sci [D] (Paris) 271:2430-3, 21 Dec 70 (Fre)
[The "immunologic determinants" in the system of avian oncogenic viruses. Purification and immunochemical characterization of the group antigen complex inhicken cells transformed by Rous sarcoma virus (Schmidt-Ruppin strain)] Giancario M, et al.
C R Acad Sci [D] (Paris) 272:343-6, 11 Jan 71 (Fre)
[Invstigation of the presence of viral particles in Rous virus transformed hamster cell lines] Gazzolo L, et al.
Int J Cancer 7:119-30, 15 Jan 71 (Fre)
[Infectious properties of Rous sarcoma virus RNA and total RNA from tumors induced by this virus] Kuznetsov OK, et al.
Biull Eksp Biol Med 70:78-80, Oct 70 (Rus)
[A virologic study of embryonal guinea pig and golden hamster cells infected by Rous virus (Karr-Zilber and Schmidt-Rupin strains)] Martirosian DM, et al.
Biull Eksp Biol Med 65:73-6, Apr 68 (Rus)
[Strain of hamster embryonal fibroblasts transformed by Rous virus in vitro] Martirosian DM, et al.
Biull Eksp Biol Med 71:95-8, May 71 (Rus)
[Defectiveness of Rous sarcoma virus (strain D-5)] Kuznetsov OK, et al. Vopr Onkol 17:35-41, 1971 (Rus)
[A comparative study of Rous virus variants isolated from murine Rous sarcoma and the original Carr-Zilber strain] Kriukova IN, et al.
Vopr Virusol 16:92-7, Jan-Feb 71 (Rus)

ANALYSIS

The low molecular weight RNAs of Rous sarcoma virus. II. The 7 S RNA. Bishop JM, et al.
Virology 42:927-37, Dec 70
Size differences among the high molecular weight RNA's of avian tumor viruses. Bolognesi DP, et al.
Virology 43:214-22, Jan 71
Glycoprotein components of avian and murine RNA tumor viruses. Duesberg PH, et al.
Virology 41:631-48, Aug 70
Isolation and characterization of proteins from Rous sarcoma virus. Hung PP, et al.
Virology 43:251-66, Jan 71

DRUG EFFECTS

Inactivation of Rous sarcoma virus on contact with N-ethyl isatin -thiosemicarbazone. Levinson W, et al.
Nature [New Biol] 232:116-8, 28 Jul 71

ENZYMOLOGY

Comparison of Rous sarcoma virus-specific deoxyribonucleic acid polymerases in virions of Rous sarcoma virus and in Rous sarcoma virus-infected chicken cells. Coffin JM, et al. J Virol 7:625-34, May 71
Deoxyribonucleic acid polymerase associated with avian tumor viruses: secondary structure of the deoxyribonucleic acid product. Fanshier L, et al.
J Virol 7:77-86, Jan 71
Deoxyribonucleic acid polymerase of Rous sarcoma virus: studies on the mechanism of double-stranded deoxyribonucleic acid synthesis. Faras A, et al.
J Virol 7:539-48, May 71
Deoxyribonucleic acid polymerase associated with Rous sarcoma virus and avian myeloblastosis virus: properties of the enzyme and its product. Garapin AC, et al. J Virol 6:589-98, Nov 70
Deoxyribonucleic acid polymerase(s) of Rous sarcoma virus: effects of virion-associated endonuclease on the enzymatic product. Quintrell N, et al.
J Virol 8:17-27, Jul 71
DNA polymerases of Rous sarcoma virus: delineation of two reactions with actinomycin. McDonnell JP, et al.
Nature (Lond) 228:433-5, 31 Oct 70
A DNA-depenent DNA polymerase and a DNA endonuclease in virions of Rous sarcoma virus. Mizutani S, et al. Nature (Lond) 228:424-7, 31 Oct 70
DNA ligase and exonuclease activities in virions of rous sarcoma virus. Mizutani S, et al.
Nature [New Biol] 230:232-5, 21 Apr 71
Properties of a soluble DNA polymerase isolated from Rous sarcoma virus. Duesberg P, et al.
Proc Natl Acad Sci USA 68:747-51, Apr 71
Noninfectious RSV deficient in DNA polymerase. Hanafusa H, et al. Virology 43:313-6, Jan 71
DNA polymerase in defective Rous sarcoma virus. Robinson WS, et al. Virology 44:457-62, May 71

GROWTH & DEVELOPMENT

Ultraviolet spectrogramic microscope studies of Rous sarcoma virus cultured in cell-free medium. Alexander-Jackson E.
Ann NY Acad Sci 174:765-81, 30 Oct 70
Rous sarcoma recurrence and Rous sarcoma virus growth in chicken muscle. Dinowitz M, et al.
Int J Cancer 6:160-71, 15 Sep 70
A full expression of the genome of Rous sarcoma virus in heterokaryons formed after fusion of virogenic mammalian cells and chicken fibroblasts. Machala O, et al. J Gen Virol 8:219-29, Sep 70
An improved method of preparing Schmidt-Ruppin Rous sarcoma virus for brain tumor induction in mammals. Bigner DD, et al.
Neurology (Minneap) 20:413, Apr 70
Complementarity between Rous sarcoma virus (RSV) RNA and the in vitro-synthesized DNA of the virus-associated DNA polymerase. Duesberg PH, et al.
Virology 42:783-8, Nov 70
Persistence of Rous sarcoma virus in transformed nonpermissive cells: relationship between virus induction by association with permissive cells and gs antigen content of transformed cells. Vigier P, et al.
Virology 45:309-12, Jul 71

IMMUNOLOGY

A C1-fixation method for the measurement of chicken anti-viral antibody. Stolfi RL, et al.
Immunology 20:299-306, Mar 71
Cell-mediated and humoral immune responses to tumor-associated and viral antigens in relation to the pathogenic effect of Rous sarcoma virus in rats. Jonsson N. Int J Cancer 7:547-56, 15 May 71
Immunological determinants of avian sarcoma viruses: presence of group-specific antibodies in fowl sera demonstrated by complement-fixation inhibition test. Rabotti GF, et al. J Natl Cancer Inst 44:985-91, May 70
Cellular immunity induced by Rous sarcoma virus in Japanese quail. I. Effect of anti-lymphocyte serum on oncogenesis of Rous sarcoma virus. Yamanouchi K, et al. Jap J Med Sci Biol 23:395-402, Dec 70
Selection in chickens for retrogression of tumors caused by Rous sarcoma virus. Gyles NR, et al.
Poult Sci 50:901-5, May 71
Resistance to Rous sarcoma elicited by immunization with live virus. Sigel MM, et al.
Proc Soc Exp Biol Med 137:142-6, May 71

ISOLATION & PURIFICATION

Isolation of a variant strain of Rous sarcoma virus oncogenic for ducks and mammals. Kuwata T, et al.
Arch Gesamte Virusforsch 32:1-12, 1970
Presence of Rous sarcoma virus inside the mitochondria isolated by zonal and differential centrifugation from Rous sarcoma cells. Mach O, et al.
Folia Biol (Praha) 17:65-72, 1971

METABOLISM

A comparative study of glycoproteins from the surface of control and Rous sarcoma virus transformed hamster cells. Buck CA, et al.
Biochemistry 9:4567-76, 10 Nov 70
Rous sarcoma virus-induced changes in uridine and UMP metabolism in chick chorioallantoic membrane. Dodge WH, et al.
Biochim Biophys Acta 217:199-201, 17 Sep 70

PATHOGENICITY

Microorganisma associated with malignancy. Pease P.
Ann NY Acad Sci 174:782-5, 30 Oct 70
Studies on inhibition of viral oncogenesis. II. Inhibitory effect of L-asparaginase, clam liver extract and methotrexate on rous sarcoma virus focus formation. Jahnes WG, et al.
Arch Gesamte Virusforsch 32:236-43, 1970
The induction of tumours with Rous sarcoma virus in Microtus agrestis: a preliminary note. Smith CA, et al.
Arch Geschwulstforsch 35:299-307, 1970
Induction of rhabdomyosarcomas in mammals with a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

highly oncogenic variant of Rous sarcoma virus. Obukh IB, et al. Folia Biol (Praha) 17:175-81, 1971
Tumours in reptiles inoculated with chicken Rous sarcoma material. Veskova TK, et al. Folia Biol (Praha) 16:353-5, 1970
Transformation by Rous sarcoma virus: effects on cellular glycolipids. Hakomori SI, et al. J Child Psychol Psychiatry 12:209-21, Jun 71
Gliomas induced by rous sarcoma virus in the dog--an ultrastructural study. Haguenau F, et al. J Natl Cancer Inst 46:539-45 passim, Mar 71
Inhibition of growth of uninfected and rous sarcoma virus-infected chick-embryo fibroblasts by rifampicin. Robinson HL, et al. J Natl Cancer Inst 46:785-8, Apr 71
Mechanism of oncogenic transformation by Rous sarcoma virus. II. Effect of rifampin on Rous sarcoma virus infection. Richert NJ, et al. J Virol 8:62-5, Jul 71
Lack of correlation between conversion of RNA tumour viruses and increased agglutinability of cells by concanavalin A and wheat germ agglutinin. Moore EG, et al. Nature (Lond) 231:117-8, 14 May 71
Recovery of a new virus from apparently normal chick cells by infection with avian tumor viruses. Hanafusa T, et al. Proc Natl Acad Sci USA 67:1797-803, Dec 70
BHK cells doubly transformed by Rous virus and polyoma virus: karyological study. Berebbi M, et al. Rev Eur Etud Clin Biol 16:246-50, Mar 71
Analysis of a functional change in membrane in the process of cell transformation by Rous sarcoma virus; alteration in the characteristics of sugar transport. Hatanaka M, et al. Virology 41:647-52, Aug 70
Selective lysis of cells transformed by Rous sarcoma virus. Rifkin DB, et al. Virology 45:172-81, Jul 71
[Infectivity for mice of the ribonucleic acid extracted from chicken sarcoma induced by the Carr (Zilber) strain of Rous sarcoma virus (RSV-Carr-Zilber-RNA). I. Morphological study] Nastac E, et al. Ann Histochim 15:273-82, Oct-Dec 70 (Fre)
[Cytopathogenic and transforming effect of infectious and oncogenic viruses in tissue culture] Zhudina AI, et al. Vopr Onkol 16:47-59, 1970 (Rus)
[Pathogenicity of Rous sarcoma virus in relation to the Transcaucasian hamster] Zil'fian VN, et al. Zh Eksp Klin Med 7:19-23, 1967 (Rus)

ROYAL JELLY see under BEES (B1)

RUBARTH'S VIRUS see HEPATITIS VIRUS, INFECTIOUS CANINE (B4)

RUBBER (J)

Absorption of anesthetics by conductive rubber in breathing circuits. Lowe HJ, et al. Anesthesiology 34:283-9, Mar 71
Effect of liner materials on interface pressures in below-knee prostheses. Sonck WA, et al. Arch Phys Med Rehabil 51:666-9, Nov 70
Damages for rubber workers. Br Med J 2:412-3, 15 May 71
Mechanics of distension of dog veins and other very thin-walled tubular structures. Moreno AH, et al. Circ Res 27:1069-80, Dec 70
A modern approach to the use of rubber dam--1. Elderton RJ. Dent Pract Dent Rec 21:187-93, Feb 71
A modern approach to the use of rubber dam. 3. Elderton RJ. Dent Pract Dent Rec 21:267-73, Apr 71
A modern approach to the use of rubber dam--2. Elderton RJ. Dent Pract Dent Rec 21:226-32, Mar 71
Originator of the rubber dam. Sanford Christie Barnum, D.D.S. (Barnum SC), Dent Radiogr Photogr 43:82 passim, 1970
Rubber for tracheal tubes. Guess WL. Int Anesthesiol Clin 8:815-21, Winter 70
March hemoglobinuria treated with rubber insoles: two case reports. Sagov SE. J Am Coll Health Assoc 19:146, Dec 70
Prevention in endodontic practice. Grossman LI. J Am Dent Assoc 82:395-6, Feb 71
Use of rubber dam. Powell BJ. J Am Dent Assoc 83:513, Sep 71
The teaching of rubber dam. Desautels PC. J Can Dent Assoc 37:314, Aug 71
A custom rubber dam template. Spedding RH, et al. J Can Dent Assoc 37:113-4, Mar 71
Rubber dam template. Woronuk MM. J Can Dent Assoc 37:247-8, Jun-Jul 71
Time required in rubber dam placement. Heise AL. J Dent Child 38:116-7, Mar-Apr 71
Studies on rubber base impression materials. XXII. Discussions on the setting mechanism of polysulfide rubber as the dental impression material, chiefly viewed from the variations of viscosity and molecular weight. 2. Polycondensation efficiency of an oxidizing agent for polysulfide. Higashi S, et al. J Nihon Univ Sch Dent 13:50-62, Mar 71
Studies on rubber base impression materials. XXI. Discussions on the setting mechanism of polysulfide rubber as the dental impression material, chiefly viewed from the variations of viscosity and molecular weight. 1. Introduction and preliminary experiment. Higashi S, et al. J Nihon Univ Sch Dent 13:33-49, Mar 71
Epidemiological considerations of cancer of the gallbladder, bile ducts and salivary glands in the rubber industry. Mancuso TF, et al. J Occup Med 12:333-41, Sep 70
Surface characterization of the silicone rubber prosthesis. Bartlett SO, et al. J Prosthet Dent 25:69-71, Jan 71
Rubber-base impressions over a rubber dam. Elderton RJ. J Prosthet Dent 25:57-61, Jan 71
Accuracy of relined mercaptan-rubber impressions. Podshadley AG, et al. J Prosthet Dent 24:503-11, Nov 70
Latex molds and casts. Schlossberg L. Med Art 19:19-20, 1970
Fungi that cause mouldiness of processed sheet rubber in Western Nigeria. Esuruoso OF. Mycopathol Mycol Appl 42:187-9, 28 Dec 70
A comparison of adhesives useable in the cold for the preparation of cryostat sections. Maxwell A, et al. Stain Technol 46:167-9, Jul 71
Rubber bands as a replacement for rubber-shod clamps. Partington PF. Surgery 68:737-40, Oct 70
Detail reproduction with model materials. Owall B. Sven Tandlak Tidskr 64:165-72, Mar 71
[The aromatic amine NA 4010 (or IPPD) (N. phenyl-N'isopropyl-paraphenylene diamine). Its importance in allergy to tire rubber. Its interest in allergy to rubber in general] Bieber P. Arch Mal Prof 32:308-12, Mar 71 (Fre)
[The rubber dam, advantages and use] Albini Riccioli G. Mondo Odontostomatol 12:887-94, Nov-Dec 70 (Ita)
[Studies on calculous disease of the upper urinary tract. II. The significance of the "our renal stone extraction" in elastic impression material clods] Kato Y, et al. Jap J Urol 62:486-91, Jun 71 (Jap)
[The use of rubber dam in dentistry] Radetic EA, et al. Rev Bras Odontol 28:95-100, May-Jun 71 (Por)
[Experience in the study of working conditions and health of adolescents working at the occupational technical schools of the rubber-shoe industry] Petrunicheva KP. Gig Sanit 35:95-6, Sep 70 (Rus)
[Functional status of the kidneys in workers engaged in the production of divinylalphamethylstyrene rubber] Konstantinovskaia AS. Gig Tr Prof Zabol 14:10-2, Dec 70 (Rus)
[Physiological changes in machine operators in the isoprene rubber industry] Pigolev SA. Gig Tr Prof Zabol 15:49-50, 1971 (Rus)
[The effect of sulfuric acid and ethyl alcohol on the eye in butyl rubber production and methods of prevention] Ismail-Zade ShKh, et al. Oftalmol Zh 25:584-6, 1970 (Rus)
[Silicon rubber--a new material in reconstructive surgery of the maxillofacial region] Vlasova NK, et al. Stomatologiia (Mosk) 50:33-5, Jan-Feb 71 (Rus)
[Occupational diseases of the skin in workers engaged in the production of isoprene rubber] Pigolev SA. Vestn Dermatol Venerol 45:64-5, Feb 71 (Rus)

ADVERSE EFFECTS

Causes of damage to tissues by polymers and elastomers used in the fabrication of tracheal devices. Stetson JB, et al. Anesthesiology 33:635-52, Dec 70 (91 ref.)
[Contact eczema caused by fluid polysulfide rubber latex] Ziegler V, et al. Dtsch Gesundheitsw 25:2006-7, 15 Oct 70 (Ger)
[Some comparative data on the use of rubber and plastic products in surgery] Vedenko BG. Klin Khir 11:84-5, Nov 70 (Rus)

ANALYSIS

[Studies on the safety of toys. IV. Safety of toys on market (colors and heavy metals)] Tsuno T, et al. Bull Natl Inst Hyg Sci (Tokyo) 88:107-9, 1970 (Jap)

RUBEFACIENTS see under IRRITANTS (D13)

RUBELLA (C1)

Rubella and its prevention. Moghadam H. Can J Public Health 61:379-85, Sep-Oct 70
Rubella. Dudgeon JA. Community Health (Bristol) 2:273-7, May-Jun 71
Virological aspects of intra-uterine infection. Dudgeon JA. J Pathol 101:Pxii, Aug 70
Evaluation of rubella vaccination in a large school system. Schiff GM, et al. J Pediatr 78:211-9, Feb 71
Rubella--measles. Lucas RT Jr. JAMA 215:1156, 15 Feb 71
Joint involvement following vaccination for rubella. An unusual presentation in an adult. Deinard AS, et al. Minn Med 54:337-8, May 71
Recent advances in the study of rubella. Dudgeon JA. Sci Basis Med Annu Rev 61-83, 1970 (78 ref.)
[Histopathological study of a rubellar ocular embryopathy] Dhermy P. Bull Mem Soc Fr Ophtalmol 82:93-106, 1969 (Fre)
[Rubella infections] Reginster M. Rev Med Liege 26:297-302, 1 May 71 (Fre)
[Rubella in early pregnancy. Microscopic findings in the heart and great blood vessels in 90 embryos] Köder KA. Arch Julius Klaus Stift Vererbungsforsch 43:205-56, 1968 (Ger)
[Rubella, rubella embryopathy and rubella vaccine] Prinzie A. Dtsch Med Wochenschr 96:1367-71, 20 Aug 71 (14 ref.) (Ger)
[The new approach to rubella in pregnancy] Friedman S, et al. Harefuah 79:58-60, 15 Jul 70 (Heb)
[Rubella] Nagayama N. J Jap Assoc Infect Dis 44:315-9, Sep 70 (Jap)
[Rubella with special reference to abnormalities and its prevention] Hirayama M. Naika 26:447-50, Sep 70 (Jap)
[Rubella virus, pre- and postnatal infection] Flugsrud L. Tidsskr Nor Laegeforen 91:119-23, 20 Jan 71 (Nor)
[Recent data on the problem of rubella] Sorodoc Y. Stud Cercet Inframicrobiol 22:53-85, 1971 (236 ref.) (Rum)
[Notes on the pathogenesis, epidemiology and control of rubella] Villarejos VM. Bol Of Sanit Panam 69:511-9, Dec 70 (Spa)

BLOOD

Single-sample diagnosis of recent rubella. Harley JD. Med J Aust 1:292, 30 Jan 71

COMPLICATIONS

Microorganisms causing perinatal infections: virus: rubella. Leerhoy J. Acta Paediatr Scand [Suppl] 206:Suppl 206:91+, 1970
Diabetes mellitus and congenital rubella infection. Johnson GM, et al. Am J Dis Child 120:453-5, Nov 70
Hypoplasia of the abdominal aorta associated with the rubella syndrome. Siassi B, et al. Am J Dis Child 120:476-9, Nov 70
Left ventricular aneurysm in rubella heart disease. Way RC. Am J Dis Child 121:451, May 71
Late vascular manifestations of the rubella syndrome. A roentgenographic-pathologic study. Fortuin NJ, et al. Am J Med 51:134-40, Jul 71
Rubella in the distant past as a possible cause of congenital malformations. Plotkin SA, et al. Am J Obstet Gynecol 108:487-9, 1 Oct 70
Pure-tone audiometry in prenatal rubella. Miller MH, et al. Arch Otolaryngol 94:25-9, Jul 71
Congenital perceptive deafness: role of intrauterine rubella. Gumpel SM, et al. Br Med J 2:300-4, 8 May 71
Encephalitis and childhood illnesses. Polk LD. Clin Pediatr (Phila) 10:190-1, Apr 71
A study of handicaps and their effect on lip reading among rubella deaf girls. A preliminary report. Roche TF, et al. Dev Med Child Neurol 13:497-507, Aug 71
Virus infections and malformations. Sever JL. Fed Proc 30:114-7, Jan-Feb 71
A multihandicapped rubella baby. Freedman DA, et al. J Am Acad Child Psychiatry 9:298-317, Apr 70
Occipital encephalocele after probable prenatal rubella. Browder JA. Lancet 2:383-4, 14 Aug 71
Rubella and abortion laws. Burns WA. Med Leg Bull 208:1-7, Aug 70
Rubella-induced congenital defects and rubella immunization. Peterson DR, et al. Northwest Med 70:169-70, Mar 71
Vestibular function and hearing in children with prenatal rubella. Frost JO, et al. NY State J Med 71:971-3, 1 May 71
Dental manifestations of the rubella syndrome. Guggenheimer J, et al. Oral Surg 32:30-7, Jul 71
Congenital rubella: pathogenesis of motor deficits. Zausmer E. Pediatrics 47:16-26, Jan 71
Teratogenic effect of rubella virus. Dudgeon JA. Proc R Soc Med 63:1254-7, Dec 70
Rubella and the eye specialist. Sight Sav Rev 40:211-8, Winter 70-71
Some problems in neonatal screening. Hardy JB, et al. Trans Am Acad Ophthalmol Otolaryngol 74:1229-35, Nov-Dec 70
[Rubella encephalitis] Blancher G, et al. Ann Med Interne (Paris) 129:575-7, Aug-Sep 69 (Fre)
[Frequency of acute thrombopenic purpura following rubella in childhood] Verger P, et al. Ann Pediatr (Paris) 17:31-6, 2 Jan 70 (Fre)
[Case of sclero-megalo-cornea caused by rubella] Etienne R, et al. Bull Soc Ophtalmol Fr 68:505-7, Apr 68 (Fre)
[Virus embryopathy] Neuhäuser G. Hippokrates 41:519-21, Dec 70 (Ger)
[Pseudoretinopathy pigmentosa in rubella embryopathy] Steinbach PD, et al. Klin Monatsbl Augenheilkd 158:533-40, Apr 71 (Ger)
[Embryopathia rubeolica of the eye] Töndury G. Klin Monatsbl Augenheilkd 157:141-64, Aug 70 (Ger)
[Retinopathy caused by measles embryopathy. Note on the value of antibody determination in the differential diagnosis] Guerra R, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1573-9, 1968 (Ita)
[Myocardial infarct in the neonatal syndrome caused by intrauterine rubella infection] Bagolini G, et al. Fracastoro 63:137-47, Mar-Apr 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CONGENITAL

The third fontanelle. Tan KL.
Acta Paediatr Scand 60:329-32, May 71
Medical legal comments or the differential diagnosis of deafness. Whaley HS. Alaska Med 13:71, Jul 71
Hypoplasia of the pulmonary arteries in infants with congenital rubella. Tang JS, et al.
Am J Cardiol 27:491-6, May 71
Rubella epidemicity and embryopathy. Results of a long-term prospective study. Siegel M, et al.
Am J Dis Child 121:469-73, Jun 71
Mental development of children with congenital rubella syndrome. A preliminary report. Streisaguth AP, et al. Am J Obstet Gynecol 108:391-9, 1 Oct 70
Rubella. Igarashi M. Arch Otolaryngol 93:110, Jan 71
Case report of congenital rubella in Osaka Prefecture. Kimoto T, et al. Biken J 13:377-81, Dec 70
The role of rubella in the etiology of supravalvular aortic stenosis. Vince DJ.
Can Med Assoc J 103:1157-60, 21 Nov 70
Retrospective survey of congenital rubella syndrome in the state of Washington, 1963-68. Marcuse EK, et al.
HSMHA Health Rep 86:161-7, Feb 71
Studies of the rubella syndrome. Thompson WM Jr, et al. J Okla State Med Assoc 63:97-101, Mar 70
Rubella as a possible cause of diastrophic dwarfism. Staub HP. J Pediatr 77:1096-7, Dec 70
Congenital rubella in Singapore. Tan KL, et al.
J Singapore Paediatr Soc 12:111-25, Oct 70
Impairment of auditory regulation, and rubella. Halpern WI. JAMA 214:916, 2 Nov 70
High frequency of diabetes mellitus in young adults with congenital rubella. Forrest JM, et al.
Lancet 2:332-4, 14 Aug 71
Isolation of rubella virus from placentas and throat cultures of infants. A prospective study after the 1964-65 epidemic. Catalano LW Jr, et al.
Obstet Gynecol 38:6-14, Jul 71
"Presumable" congenital rubella syndrome. Khing OS, et al. Paediatr Indones 10:201-14, Sep-Oct 70
Rubella and congenital rubella syndrome in Japan. Hirayama M. Paediatr Univ Tokyo 18:41-4, Dec 70
Diabetes mellitus and congenital rubella. Plotkin SA, et al. Pediatrics 46:650-1, Oct 70
Combined trisomy-18 and congenital rubella. Richardson DL, et al.
South Med J 64:923 passim, Aug 71
[Technics of demonstration of IgM type antibodies in congenital infections] Dropsy G, et al.
Ann Biol Clin (Paris) 29:67-73, 1971 (Fre)
[Immunologic promotion of human fetus] Papiernik M, et al. Arch Fr Pediatr 27:777-84, Oct 70 (Fre)
[Osseous anomalies in congenital rubella] Seliverstoff S, et al.
J Radiol Electrol Med Nucl 51:63-5, Jan-Feb 70 (Fre)
[Dermatoglyphic disorders in rubella embryopathy] Rott HD, et al.
Munch Med Wochenschr 113:848-50, 28 May 71 (Ger)
[Diagnostic possibilities in congenital infections] Werder E, et al. Praxis 60:819-22, 15 Jun 71 (Ger)
[Congenital rubella syndrome] Svirsky S, et al.
Harefuah 78:389-91, 15 Apr 70 (Heb)
[Prevention of congenital malformations caused by rubella] Giuliani G.
Minerva Med Suppl 40:9-12, May 71 (Ita)
[Congenital rubella syndromes in Ryukyu prior to 1965] Ueda K, et al.
J Jap Assoc Infect Dis 45:50-3, Feb 71 (Jap)

DIAGNOSIS

Rubella hemagglutination-inhibition test using erythrocytes from albino pigeons. Joseph JM.
Am J Clin Pathol 55:269-72, Mar 71
Serological diagnosis of rubella. Desmyter J.
Br Med J 4:119, 10 Oct 70
Dermatoglyphics in rubella syndrome. Saksena PN, et al. Indian Pediatr 7:183-5, Mar 70
Rubella hemagglutination inhibition testing program. Reeves AM. J Iowa Med Soc 61:491-3, Aug 71
Laboratory diagnosis of rubella virus infections and antibody determinations in routine medical practice. Pearson DA, et al. Mayo Clin Proc 46:477-83, Jul 71
An antibody test for rubella. Reece R.
Minn Med 54:318, May 71
Screening for rubella during pregnancy. Ruben RJ.
N Engl J Med 283:1292, 3 Dec 70
[Early serologic diagnosis of rubella in children] Dachy A, et al. Brux Med 49:599-602, Oct 69 (Fre)
[The rubella test] Huygelen C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:443-4, 1968 (Fre)
[Serodiagnosis of rubella. Remarks apropos of examinations carried out among female nurses] Cousin J, et al. J Sci Med Lille 88:659-66, Dec 70 (Fre)
[Virus diagnostics of rubella] Lennartz H.
Dtsch Med Wochenschr 95:2439-40, 27 Nov 70 (Ger)
[Rubella and pregnancy] Dietel H.
Munch Med Wochenschr 113:685-9, 30 Apr 71 (Ger)
[Serodiagnosis of rubella] Negro Ponzi A.
G Batteriol Virol Immunol 63:266-8, Jul-Aug 70 (Ita)
[Practical application of the hemagglutination inhibition test in the diagnosis of rubella] Gavioli A, et al. Minerva Med 61:5684-91, 8 Dec 70 (Ita)
[Practical experience with the hemagglutination inhibition test in the diagnosis of rubella] Gavioli A, et al. Minerva Med 61:5684-91, 8 Dec 70 (Ita)

ETIOLOGY

Success and failure in human virus diseases. I. Aetiology. Stuart-Harris C. Br Med J 1:275-6, 30 Jan 71

HISTORY

["Hey, we've got a problem here". Physiopathological considerations on the dramatic flight of Apollo 13] Lomonaco T. Minerva Med 61:3910-21, 15 Sep 70 (Ita)

IMMUNOLOGY

Vaccination with RA 27-3 rubella vaccine. Buser F, et al.
Am J Dis Child 122:53-6, Jul 71
Artificial challenge studies in rubella. Utilization of RA 27-3 rubella vaccines, rubella naturally acquired seropositives, and rubella susceptible children. Naficy K, et al. Am J Dis Child 120:530-3, Dec 70
A comparative field evaluation of three live, attenuated rubella virus vaccines. Kehrer AF, et al.
Am J Public Health 61:152-6, Jan 71
Attenuated rubella vaccine (HPV-77): evaluation in a large controlled trial. Lipman RP, et al.
Am J Public Health 61:1392-402, Jul 71
Accuracy of rubella history. Lerman SJ, et al.
Ann Intern Med 74:97-8, Jan 71
Use of a new buffer system with formalinized sheep erythrocytes in the rubella hemagglutination-inhibition test. Gupta JD, et al.
Appl Microbiol 21:749-50, Apr 71
Use of formalinized sheep erythrocytes in the rubella hemagglutination-inhibition test. Gupta JD, et al.
Appl Microbiol 20:843-4, Nov 70
Immunization against rubella. Anglin C.
Appl Ther 12:9-11, Aug 70
A study of rubella haemagglutination inhibition antibodies in rheumatoid arthritis. Kacaki JN, et al.
Clin Exp Immunol 6:885-9, Jun 70
"Rubella virus vaccine, live".
Clin Pediatr (Phila) 9:15A passim, Dec 70
Neutralizing antibody to rubella virus in sera collected in Denmark. Leerhoy J. Dan Med Bull 15:273-6, Nov 68
Rubella vaccine trial in children in Hawaii. Roth A.
Hawaii Med J 29:561, Sep-Oct 70
Studies on rubella virus strain variation by kinetic haemagglutination-inhibition tests. Best JM, et al.
J Gen Virol 9:215-23, Dec 70
An immunologic marker technique for the Cendehill vaccine strain of rubella virus. Oxford JS, et al.
J Immunol 105:818-23, Oct 70
The IgM antibody response in rubella during pregnancy. Desmyter J, et al.
J Med Microbiol 4:107-14, Feb 71
Production of rubella antiserum in hamsters. Haire M.
J Med Microbiol 2:376-9, Aug 69
Comparative studies of vaccines against rubella. Riley HD Jr. J Okla State Med Assoc 63:53-5, Feb 70
A study of rubella immunity and resistance to infection. Davis WJ, et al. JAMA 215:800-8, 25 Jan 71
Herd immunity in rubella. Jones PH.
JAMA 216:1202, 17 May 71
High incidence of adults with rubella antibody in northern Japan. Suto T, et al.
Jap J Microbiol 15:143-7, Mar 71
Reinfection with rubella in pregnant women. Boué A, et al. Lancet 1:1251-3, 19 Jun 71
Duration of immunity to rubella. Forrest JM, et al.
Lancet 1:1013, 15 May 71
Rubella reinfections. Lancet 1:1279-80, 19 Jun 71
Immunity to rubella. Menser MA, et al.
N Engl J Med 285:412-3, 12 Aug 71
Rashness that may pay off.
Nature (Lond) 228:307-8, 24 Oct 70
Premarital rubella serologies in Miami, Florida. Sinclair MC, et al. South Med J 64:820-2, Jul 71
[Immunity and anti-rubella vaccination] Delville JP, et al. Arch Belg Med Soc 28:321-30, May 70 (Fre)
[Some aspects of rubella] Hooft C, et al.
Brux Med 48:111-8, Feb 68 (Fre)
[Seroepidemiology of rubella in Tunisia] Nabli B.
Bull WHO 42:891-6, 1970 (Fre)
[Hemagglutination inhibition test in rubella] Bassleer J. Rev Med Liege 23:700-5, 15 Nov 68 (Fre)
[Determination of rubella hemagglutination inhibiting antibody in Berlin-West] Antoniadis G, et al.
Zentralbl Bakteriol [Orig] 216:286-9, 1971 (Ger)
[Behavior of hemagglutination-inhibiting and neutralizing antibodies in young patients with rubella] Grasso A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1109-17, 1968 (Ita)
[Response to PHA of lymphocytes from tuberculin-positive children vaccinated against rubella] Businco L, et al.
Boll Soc Ital Biol Sper 46:726-8, 30 Sep 70 (Ita)
[Evaluation of hemagglutin inhibiting antibodies for rubella virus in premature subjects, in term infants, and in pairs of twins in relation to those of the mothers] Monari E, et al.
Clin Pediatr (Bologna) 51:751-61, Dec 69 (Ita)
[Distribution of hemagglutination inhibiting antibodies of rubella virus in a sample of adult female population residents of Emilia] Portolani M, et al.
Clin Pediatr (Bologna) 51:30-4, Jan 69 (Ita)
[On the presence of hemagglutination-inhibiting antibodies against rubella virus in a sample of the population of Campania] De Riu GC, et al.
Ig Mod 62:675-80, 1969 (Ita)
[Elastic transformation in presence of tuberculin antigens of lymphocytes of children vaccinated against rubella] Moschini L, et al.
Minerva Pediatr 23:375-8, 3 Mar 71 (Ita)
[Anti-rubella antibodies in the premature infant during the first month of life] Nigro N, et al.
Minerva Pediatr 23:379-86, 3 Mar 71 (Ita)
[Detection of hemagglutination-inhibiting antibodies for rubella virus in a sample of the female adult population of Rome] Muzzi A, et al.
Nuovi Ann Ig Microbiol 20:448-54, Sep-Oct 69 (Ita)
[Detection of hemagglutination-inhibiting antibodies for rubella virus in a sample of the population of Rome] Rocchi G, et al.
Nuovi Ann Ig Microbiol 20:440-7, Sep-Oct 69 (Ita)
[Evaluation of serum rubella antibody titer in some congenital anomalies including congenital heart diseases during infancy] Suzuki K.
Acta Paediatr Jap 75:525-36, 1971 (Jap)
[Susceptibility to rubella among pregnant women in the Fukuoka District] Ueda K, et al.
Acta Urol Jap 16:439-42, Dec 70 (Jap)
[Rubella HI antibody among pregnant women in Amami, Oshima Islands] Ueda K, et al.
J Jap Assoc Infect Dis 44:291-5, Aug 70 (Jap)
[Formation of collective immunity to rubella in the population of Moscow] Andzhaparidze OG, et al.
Vopr Virusol 16:71-6, Jan-Feb 71 (Rus)

METABOLISM

Studies in infants and children with congenital rubella: oxygen consumption, body water, cell mass, muscle and adipose tissue composition. Hill DE, et al.
Johns Hopkins Med J 127:309-22, Dec 70

MICROBIOLOGY

Pathogenesis of the rubella exanthem. Isolation of rubella virus from the skin. Heggie AD.
N Engl J Med 285:864-6, 16 Sep 71
[Interference of the rubella virus in vivo] Drinovec B, et al. Zentralbl Bakteriol [Orig] 204:48-55, 1967 (Ger)

OCCURRENCE

Sero-epidemiological study of rubella infection in female subjects of Delhi and its surrounding villages. Seth P, et al. Indian J Med Res 59:190-4, Feb 71
Rubella and congenital rubella syndrome in Japan. Hirayama M. Paediatr Univ Tokyo 18:41-4, Dec 70
[Serodiagnosis of rubella. Remarks apropos of examinations carried out among female nurses] Cousin J, et al. J Sci Med Lille 88:659-66, Dec 70 (Fre)
[Neutralizing and complement fixing antibodies to rubella virus in the serum of different age groups of the population of Moscow] Chebotarev VV, et al.
Vopr Virusol 15:733-4, Nov-Dec 70 (Rus)
[Hemagglutination inhibiting antibodies to measles, rubella, and parotitis. Study of their prevalence in a community of the Mexican plateau] Golubjatnikov R, et al. Salud Publica Mex 12:803-9, Sep-Oct 70 (Spa)

PHYSIOPATHOLOGY

Transplacental transmission of rubella virus infection in rabbits. Cohen SM, et al.
Appl Microbiol 21:76-8, Jan 71
[Unusually frequent changes in the electrocardiogram in rubella patients. Preliminary communication] Maretić Z, et al.
Munch Med Wochenschr 112:283-6, 13 Feb 70 (Ger)

PREVENTION & CONTROL

Rubella vaccine responses and other viral antibodies in Syracuse children. Lamb GA, et al.
Am J Dis Child 122:117-21, Aug 71
Evaluation of attenuated rubella virus vaccine in families. Moqabqab WJ, et al.
Am J Dis Child 122:122-8, Aug 71
Rubella control. Schiff GM, et al.
Am J Dis Child 122:112-6, Aug 71
Joint complications associated with derivatives of HPV-77 rubella virus vaccine. Spruance SL, et al.
Am J Dis Child 122:105-11, Aug 71
Vaccination for rubella. Hoffman JD.
Ann Intern Med 74:799, May 71
Immunologic response, virus excretion, and joint reactions with rubella vaccine. A study of adolescent girls and young women given live attenuated virus vaccine (HPV-77:DE-5). Lerman SJ, et al.
Ann Intern Med 74:67-73, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A practical approach to the use of rubella vaccine. Stokes JS Jr. Ann Intern Med 74:136-7, Jan 71
Prevention of congenital rubella defects. The need for long-term surveillance. Dudgeon JA. Arch Dis Child 45:820, Dec 70
Rubella vaccination in the puerperium. Beazley JM, et al. Br J Prev Soc Med 25:140-3, Aug 71
Complications of rubella immunization in children. Chin J, et al. Calif Med 114:7-12, Mar 71
The control of rubella in California. Saylor LF. Calif Med 114:91-2, Apr 71
Live attenuated rubella vaccine (Cendehill strain) in school children. Hutchison PA, et al. Can Med Assoc J 103:728-31, 10 Oct 70
Congenital rubella--on approach to prevention. Reid WM. Can Nurse 67:38-40, Jan 71
Strategy of rubella vaccination. Chang TW. J Infect Dis 123:224-5, Feb 71
Rubella vaccines. Healy A. J Iowa Med Soc 60:828 passim, Dec 70
Rapid implementation of a new vaccine on a statewide level. Jackson CL, et al. J Okla State Med Assoc 63:580-7, Dec 70
Avoidance of rubella immunization of women during or shortly before pregnancy. Chin J, et al. JAMA 215:632-4, 25 Jan 71
A vaccination dilemma. Lapin JH. JAMA 217:80, 5 Jul 71
Rubella immunization risk postpartum. Leber JL. JAMA 217:697, 2 Aug 71
A rubella tarantella. Marcuse EK. JAMA 214:2061, 14 Dec 70
Rubella vaccination. A review of practical experience. Meyer HM Jr, et al. JAMA 215:613-9, 25 Jan 71
Rubella vaccination. Plotkin SA. JAMA 215:1492-3, 1 Mar 71
Exposure of susceptible pregnant women to rubella vaccinees. Serologic findings during the Rhode Island immunization campaign. Scott HD, et al. JAMA 215:609-12, 25 Jan 71
Rubella booster immunization. Serologic response to a second dose of vaccine. Wyll SA, et al. JAMA 216:1451-3, 31 May 71
Risk of early post-partum pregnancy in context of post-partum vaccination against rubella. Baldwin JA, et al. Lancet 2:366-7, 14 Aug 71
Rubella vaccination. Dodge JS. Lancet 2:93-4, 10 Jul 71
Post-partum vaccination of rubella-susceptible women. Horstmann DM, et al. Lancet 2:1003-6, 14 Nov 70
Immunization against rubella. Med J Aust 1:1097-8, 22 May 71
Acceptance of rubella vaccination in a military dependent population. Gooch WM 3d. Milit Med 135:998-1000, Nov 70
Rubella protection--but how? Nurs Times 67:41-2, 14 Jan 71
Measles (rubeola) and rubella: (1) dangers of the layman's confusion (2) mass measles immunization. Pediatrics 46:978-9, Dec 70
Rubella immunization. Lambert HP. Practitioner 206:467-71, Apr 71
Vaccination of women with the Cendehill strain of rubella virus. MacDonald H, et al. Practitioner 207:57-66, Jul 71
Herd immunity against Rubella virus in selected localities of Czechoslovakia. Strauss J. Rev Czech Med 17:49-56, 1971
Problems of rubella vaccination in adult women. Delaney JJ. Rocky Mt Med J 67:53-6, Oct 70
Rubella: will vaccination prevent birth defects? Eichhorn MM. Science 173:710-1, 20 Aug 71
[Rubella vaccination] Mande R. Ann Pediatr (Paris) 17:783-9, 2 Nov 70 (Fre)
[Immunity and anti-rubella vaccination] Delville JP, et al. Arch Belg Med Soc 28:321-30, May 70 (Fre)
[Systematic checking of rubella immunity in the puerperal state and prevention of congenital rubella] Notter A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:483-4, Sep-Oct 70 (Fre)
[Vaccination against rubella in the Hotel-Dieu Maternity Hospital in Rennes] Toulouse R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:358-67, Jun-Aug 70 (Fre)
[Anti-rubella vaccination: our first experience] Zurlinden B, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:531-3, Nov-Dec 70 (Fre)
[Rubella: recent data; medico-legal and deontologic incidences] Michaux P, et al. Med Leg Domm Corpor (Paris) 2:282-5, Jul-Sep 69 (Fre)
[The vaccination against rubella at Lariboisiere Hospital] Zourbas J, et al. Therapeutique 47:53-8, Jan 71 (Fre)
[Rubella immunization of girls born in 1956 in the District of Hildesheim] Thomssen R, et al. Dtsch Med Wochenschr 96:1386-93, 27 Aug 71 (Ger)
[Rubella vaccination] Vivell O. Dtsch Med Wochenschr 71:439-40, 5 Mar 71 (Ger)
[Significance and effectiveness of rubella vaccination] Dtsch Med Wochenschr 96:769, 23 Apr 71 (Ger)
[Indications for possibilities of preventive vaccination against measles and rubella] Siegert R. Internist (Berlin) 12:309-12, Aug 71 (Ger)
[Prevention of congenital heart defects by rubella vaccination] Vivell O. Med Welt 14:547, 3 Apr 71 (Ger)
[Rubella embryopathy: clinical picture differential diagnosis and significance] Althoff H. Munch Med Wochenschr 112:2300, 11 Dec 70 (Ger)
[Rubella vaccination for women] Spiess H. Munch Med Wochenschr 13:58, 8 Jan 71 (Ger)
[Rubella vaccination] Just M. Praxis 59:687-8, 12 May 70 (Ger)
[Rubella vaccination of women in puerperium, contribution for prevention of rubella embryopathies] Goll H. Wien Klin Wochenschr 83:632-6, 10 Sep 71 (Ger)
[The problem of rubella vaccination] Huber EG. Wien Med Wochenschr 121:298-300, 10 Apr 71 (Ger)
[A voluntary anti-rubella vaccination program. Relation to the Superior Council of Health] Chiarotti C, et al. Ann Sanita Pubblica 31:439-43, Jul-Aug 70 (Ita)
[Vaccination against rubella] Cadrobbi P. G Mal Infett Parassit 22:289-92, Apr 70 (Ita)
[Clinical prospects and research on rubella and pregnancy] Simonetta R. Minerva Ginecol 22:704-8, 13 Jul 70 (Ita)
[Prevention of congenital malformations caused by rubella] Giuliani G. Minerva Med Suppl 40:9-12, May 71 (Ita)
[Tuberculin allergy and behavior of leukocytes in tuberculin-positive children vaccinated against rubella] Businco L, et al. Minerva Pediatr 23:371-4, 3 Mar 71 (Ita)
[Experience with vaccination with attenuated rubella vaccine (strain HPV-77 adapted to duck cells, 5th passage)] Rocchi G, et al. Nuovi Ann Ig Microbiol 21:336-40, Jul-Aug 70 (Ita)
[Effect of rubella vaccine in epidemics] Kuno K. Acta Paediatr Jap 74:828-34, Sep 70 (Jap)
[Rubella in São Paulo. Serological surveys in 349 subjects. Clinico-serological evaluation of 2 types of attenuated virus vaccine] Veronesi R, et al. Rev Hosp Clin Fac Med Sao Paulo 26:65-8, Apr 71 (Por)
[Clinical and serological evaluation of an antirubella vaccine (Cendehill sample) in an urban population] Schatzmayr HG, et al. Rev Inst Med Trop Sao Paulo 12:279-83, Jul-Aug 70 (Por)
[Anti-rubella vaccination] Sorodoc Y. Stud Cercet Inframicrobiol 22:171-91, 1971 (151 ref.) (Rum)
[A comparative evaluation of the immunogenic activity of attenuated strains of rubella virus from the USA, Belgium and the USSR] Nifontova AI, et al. Vopr Virusol 15:711-4, Nov-Dec 70 (Rus)
[Study of the effectiveness and safety of rubella vaccine] Villarejos VM, et al. Bol Of Sanit Panam 70:174-80, Feb 71 (Spa)

THERAPY

Rubella and rubella vaccines: current concepts. Witte JJ. J Med Assoc Ga 59:387-91, Oct 70

RUBELLA VIRUS (B4)

Vaccination with RA 27-3 rubella vaccine. Buser F, et al. Am J Dis Child 122:53-6, Jul 71
Rubella immunization with HPV-77 DE5 vaccine during infancy. Herrmann KL, et al. Am J Dis Child 121:474-6, Jun 71
Combined live measles, mumps, rubella vaccine. Immunological response. Krugman S, et al. Am J Dis Child 121:360-1, May 71
Evaluation of attenuated rubella virus vaccine in families. Moqabqab WJ, et al. Am J Dis Child 122:122-8, Aug 71
Joint complications associated with derivatives of HPV-77 rubella virus vaccine. Spruance SL, et al. Am J Dis Child 122:105-11, Aug 71
Comparative trials of RA 27-3 and Cendehill rubella vaccines in adult and adolescent females. Fogel A, et al. Am J Epidemiol 93:392-8, May 71
A comparative field evaluation of three live, attenuated rubella virus vaccines. Kehrer AF, et al. Am J Public Health 61:152-6, Jan 71
Attenuated rubella vaccine (HPV-77): evaluation in a large controlled trial. Lipman RP, et al. Am J Public Health 61:1392-402, Jul 71
Vaccination for rubella. Hoffman JD. Ann Intern Med 74:799, May 71
Immunologic response, virus excretion, and joint reactions with rubella vaccine. A study of adolescent girls and young women given live attenuated virus vaccine (HPV-77:DE-5). Lerman SJ, et al. Ann Intern Med 74:67-73, Jan 71
A practical approach to the use of rubella vaccine. Stokes JS Jr. Ann Intern Med 74:136-7, Jan 71
Rubella virus vaccine. Recommendation of the advisory committee on immunization practices, U.S. Public Health Service. Ann Intern Med 73:779-81, Nov 70
Clinical trials with Cendehill strain attenuated rubella virus vaccine. Cherry JD, et al. Antimicrob Agents Chemother 9:357-63, 1969
Antibody response and reactions to Cendehill rubella vaccine in adult women. DesRosiers S, et al. Antimicrob Agents Chemother 9:364-9, 1969
Clinical studies with the Cendehill strain of attenuated rubella vaccine. Kilpe VE, et al. Antimicrob Agents Chemother 9:352-6, 1969
Transplacental transmission of rubella virus infection in rabbits. Cohen SM, et al. Appl Microbiol 21:76-8, Jan 71
Combination vaccine. Arch Intern Med 126:576, Oct 70
Acute arthritis complicating rubella vaccination. Thompson GR, et al. Arthritis Rheum 14:19-26, Jan-Feb 71
Rubella vaccines. Dudgeon JA. Br Med Bull 25:159-64, May 69 (58 ref.)
The control of rubella in California. Saylor LF. Calif Med 114:91-2, Apr 71
Rubella vaccine trial in children in Hawaii. Roth A. Hawaii Med J 29:561, Sep-Oct 70
Another case of mistaken identity: rubella and mycoplasma. Cross GF, et al. J Gen Virol 8:77-81, Jul 70
Rubella vaccines. Healy A. J Iowa Med Soc 60:828 passim, Dec 70
Rubella and rubella vaccines: current concepts. Witte JJ. J Med Assoc Ga 59:387-91, Oct 70
Rapid implementation of a new vaccine on a statewide level. Jackson CL, et al. J Okla State Med Assoc 63:580-7, Dec 70
Comparative studies of vaccines against rubella. Riley HD Jr. J Okla State Med Assoc 63:53-5, Feb 70
Canine tissue culture rubella vaccine in dog-sensitive children. Go S, et al. J Pediatr 78:307-10, Feb 71
Present status of measles and rubella immunization in the United States: a medical progress report. Krugman S. J Pediatr 78:1-16, Jan 71
Noncontagiousness of the Cendebrill vaccine strain of rubella virus from mother to newborn infant. Monif GR, et al. J Pediatr 78:306-7, Feb 71
Intranasal vaccination with RA 27-3 attenuated rubella virus. Puschak R, et al. J Pediatr 79:55-60, Jul 71
Rubella vaccine. J R Coll Gen Pract 19:315-6, Jun 70
Neuritis and arthritis following rubella immunization. Chin J, et al. JAMA 215:485-6, 18 Jan 71
Two syndromes following rubella immunization. Clinical observations and epidemiological studies. Kilroy AW, et al. JAMA 214:2287-92, 28 Dec 70
Catcher's crouch and rubella immunization. Noble JS, et al. JAMA 217:212, 12 Jul 71
Risk of early post-partum pregnancy in context of post-partum vaccination against rubella. Baldwin JA, et al. Lancet 2:366-7, 14 Aug 71
Post-partum vaccination of rubella-susceptible women. Horstmann DM, et al. Lancet 2:1003-6, 14 Nov 70
Immunisation of women with rubella (RA27-3) vaccine administered intranasally. Ingalls TH, et al. Lancet 1:830-2, 24 Apr 71
Acceptance of rubella vaccination in a military dependent population. Gooch WM 3d. Milit Med 135:998-1000, Nov 70
Inadvertent rubella virus vaccination during pregnancy. Larson HE, et al. N Engl J Med 284:870-3, 22 Apr 71
Rubella vaccination. Warren RJ. N Engl J Med 283:1233-4, 26 Nov 70
Rashness that may pay off. Nature (Lond) 228:307-8, 24 Oct 70
Rubella protection--but how? Nurs Times 67:41-2, 14 Jan 71
Rubella vaccination and pregnancy. Liggins GC. NZ Med J 73:45, Jan 71
Comparative study of live, attenuated rubella virus vaccines during the immediate puerperium. Isacson P, et al. Obstet Gynecol 37:332-7, Mar 71
Postpartum rubella immunization. Results with the HPV-77 strain. Kelly CS, et al. Obstet Gynecol 37:338-42, Mar 71
Clinical response to immunization with Cendehill strain rubella vaccine. Rogers KD, et al. Pediatrics 47:7-15, Jan 71
Inhibition of rubella virus-specific RNA synthesis by interferon. Wong KT, et al. Proc Soc Exp Biol Med 136:615-8, Feb 71
Rubella: will vaccination prevent birth defects? Eichhorn MM. Science 173:710-1, 20 Aug 71
[Rubella vaccination] Mande R. Ann Pediatr (Paris) 17:783-9, 2 Nov 70 (Fre)
[Immunity and anti-rubella vaccination] Delville JP, et al. Arch Belg Med Soc 28:321-30, May 70 (Fre)
[Rubella: standards for an efficient and safe vaccine] Huygelen C, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:445-6, 1968 (Fre)
[Anti-rubella vaccination: our first experience] Zurlinden B, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:531-3, Nov-Dec 70 (Fre)
[Significance and effectiveness of rubella vaccination] Dtsch Med Wochenschr 96:769, 23 Apr 71 (Ger)
[Indications for possibilities of preventive vaccination against measles and rubella] Siegert R. Internist (Berlin) 12:309-12, Aug 71 (Ger)
[Prevention of congenital heart defects by rubella vaccination] Vivell O. Med Welt 14:547, 3 Apr 71 (Ger)
[Practical use of an attenuated live anti-rubella vaccine

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(Cendehill 5) in childhood] Rondinini B, et al. Clin Pediatr (Bologna) 51:522-9, Oct 69 (Ita)
[Clinical prospects and research on rubella and pregnancy] Simonetta R. Minerva Ginecol 22:704-8, 13 Jul 70 (Ita)
[Experience with vaccination with attenuated rubella vaccine (strain HPV-77 adapted to duck cells, 5th passage)] Rocchi G, et al. Nuovi Ann Ig Microbiol 21:336-40, Jul-Aug 70 (Ita)
[Detection and titration of rubella virus neutralizing antibodies in a group of blood donors in Milan] Giacometti G, et al. Progr Immunobiol Stand 4:661-5, 1970 (Ita)
[Effect of rubella vaccine in epidemics] Kuno K. Acta Paediatr Jap 74:828-34, Sep 70 (Jap)
[Rubella in São Paulo. Serological surveys in 349 subjects. Clinico-serological evaluation of 2 types of attenuated virus vaccine] Veronesi R, et al. Rev Hosp Clin Fac Med Sao Paulo 26:65-8, Apr 71 (Por)
[Clinical and serological evaluation of an antirubella vaccine (Cendehill sample) in an urban population] Schatzmayr HG, et al. Rev Inst Med Trop Sao Paulo 12:279-83, Jul-Aug 70 (Por)
[Study of the effectiveness and safety of rubella vaccine] Villarejos VM, et al. Bol Of Sanit Panam 70:174-80, Feb 71 (Spa)
[Biology of attenuated mumps, rubella, measles and rabies viruses. Comparative considerations on the methods of attenuation of their virulence] Ciaccio G. Riv Biol 63:87-129, Jan-Mar 70 (Mul)

ANALYSIS

[Electronmicroscopic studies on the structure of the rubella virus] Laufs R, et al. Zentralbl Bakteriol [Orig] 217:275-83, Jul 71 (Ger)

DRUG EFFECTS

[Action of some chemical reagents on the active protein groups of the hemagglutinin of rubella virus] Gagnoni G, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:121-7, 1968 (Ita)

GROWTH & DEVELOPMENT

The effect of growth rate in continuous-flow cultures on the replication of rubella virus in BHK cells. Kilburn DG, et al. J Gen Virol 9:1-7, Oct 70
Further studies on the growth of rubella virus in human embryonic organ cultures: preliminary observations on interferon production in these cultures. Best JM, et al. J Hyg (Camb) 69:223-32, Jun 71
Studies of rubella virus. 1. A study of growh of rubella viru in kidney culture cells of African green monkey. Takada M, et al. Kitasato Arch Exp Med 42:123-31, Dec 69
[Interference of the rubella virus in vivo] Drinovec B, et al. Zentralbl Bakteriol [Orig] 204:48-55, 1967 (Ger)
[Use of human thyroid gland cell cultures for virologic studies] Levina DS, et al. Vopr Virusol 15:457-60, Jul-Aug 70 (Rus)

IMMUNOLOGY

Hyperimmunizing effect of live rubella virus inoculated into the rabbit's anterior eye chamber. Strauss J. Acta Virol (Praha) 14:485-90, Nov 70
Rubella vaccine responses and other viral antibodies in Syracuse children. Lamb GA, et al. Am J Dis Child 122:117-21, Aug 71
Artificial challenge studies in rubella. Utilization of RA 27-3 rubella vaccines, rubella naturally acquired seropositives, and rubella susceptible children. Naficy K, et al. Am J Dis Child 120:520-3, Dec 70
Rubella antibody levels in commercial gamma globulin preparations. Millian SJ, et al. Am J Public Health 61:353-8, Feb 71
Characteristics of gel precipitating antigens of rubella virus. Salmi AA. Arch Gesamte Virusforsch 32:91-8, 1970
Frequency of arthralgia in women receiving one of three rubella vaccines. Monto AS, et al. Arch Intern Med 126:635-9, Oct 70
Live attenuated rubella vaccine (Cendehill strain) in school children. Hutchison PA, et al. Can Med Assoc J 103:728-31, 10 Oct 70
A survey of rubella antibodies in health personnel and a report of vaccine trial. Snell E, et al. Can Med Assoc J 104:206-9, 6 Feb 71
"Rubella virus vaccine, live". Clin Pediatr (Phila) 9:15A passim, Dec 70
Arthritis associated with induced rubella infection. Ogra PL, et al. J Immunol 107:810-3, Sep 71
Precipitin responses to rubella vaccine RA 27-3. Le Bouvier GL, et al. J Infect Dis 123:220-3, Feb 71
Avoidance of rubella immunization of women during or shortly before pregnancy. Chin J, et al. JAMA 215:632-4, 25 Jan 71
Failure to transmit rubella virus vaccine. A close-contact study in adults. Halstead SB, et al. JAMA 215:634-6, 25 Jan 71
Rubella vaccination. A review of practical experience. Meyer HM Jr, et al. JAMA 215:613-9, 25 Jan 71
Rubella vaccination. Plotkin SA. JAMA 215:1492-3, 1 Mar 71
Exposure of susceptible pregnant women to rubella vaccinees. Serologic findings during the Rhode Island immunization campaign. Scott HD, et al. JAMA 215:609-12, 25 Jan 71
Combined live rubella-mumps virus vaccine. Findings in clinical-laboratory studies. Weibel RE, et al. JAMA 216:983-6, 10 May 71
Studies on rubella virus. II. Hemagglutination and hemagglutination-inhibition test. Yamane Y, et al. Kitasato Arch Exp Med 43:11-21, Jun 70
Virologic-epidemiological studies on Indonesia. IV. Anti-influenza and anti-rubella HI antibodies in sera collected in Surabaja, East Java, in 1968. Hotta S, et al. Kobe J Med Sci 16:251-9, Dec 70
Rubella vaccination. Dodge JS. Lancet 2:93-4, 10 Jul 71
Rubella antibody determination among pregnant women in US military communities in Europe. Guenter KE, et al. Obstet Gynecol 37:343-7, Mar 71
Antibody response of various strains of rubella virus when inoculated into rabbits. London WT, et al. Proc Soc Exp Biol Med 137:925-7, Jul 71
Herd immunity against Rubella virus in selected localities of Czechoslovakia. Strauss J. Rev Czech Med 17:49-56, 1971
[Determination of rubella hemagglutination inhibiting antibody in Berlin-West] Antoniadis G, et al. Zentralbl Bakteriol [Orig] 216:286-9, 1971 (Ger)
[Rubella virus hemagglutination inhibiting antibodies in specimens of human gamma globulin] Grasso A, et al. Progr Immunobiol Stand 4:152-5, 1970 (Ita)
[Neutralizing and complement fixing antibodies to rubella virus in the serum of different age groups of the population of Moscow] Chebotarev VV, et al. Vopr Virusol 15:733-4, Nov-Dec 70 (Rus)
[A comparative evaluation of the immunogenic activity of attenuated strains of rubella virus from the USA, Belgium and the USSR] Nifontova AI, et al. Vopr Virusol 15:711-4, Nov-Dec 70 (Rus)
[Preparation of antigens of rubella virus] Najera Morrondo R. Rev Sanid Hig Publica (Madr) 45:435-50, Apr 71 (Spa)

ISOLATION & PURIFICATION

Laboratory diagnosis of rubella virus infections and antibody determinations in routine medical practice. Pearson DA, et al. Mayo Clin Proc 46:477-83, Jul 71
Rubella vaccine reconsidered. Med Lett Drugs Ther 12:91-2, 20 Oct 70
Pathogenesis of the rubella exanthem. Isolation of rubella virus from the skin. Heggie AD. N Engl J Med 285:644-6, 16 Sep 71
Isolation of rubella virus from placentas and throat cultures of infants. A prospective study after the 1964-65 epidemic. Catalano LW Jr, et al. Obstet Gynecol 38:8-14, Jul 71

PATHOGENICITY

Susceptibility of Erythrocebus patas monkeys to rubella virus. Draper CC, et al. J Med Microbiol 2:249-52, Aug 69
The growth of vaccine strains of rubella virus in cultured human synovial cells. Grayzel AI, et al. Proc Soc Exp Biol Med 136:496-8, Feb 71

RUBEOLA see MEASLES (C1)

RUBIDIUM (D1)

Myocardial blood flow. Measurement by a coincidence counting system and single bolus of 84Rb. Koebel SB, et al. Arch Intern Med 127:767-72, Apr 71
[Study of coronary circulation with rubidium 86] Di Matteo J, et al. C R Acad Sci [D] (Paris) 272:275-8, 11 Jan 71 (Fre)
[Myocardial clearance of Rb84 as an index of coronary blood flow. Description of a new method and early results in healthy and in myocardial and coronary sclerotic patients] Corsini GC, et al. Minerva Cardioangiol 17:823-31, Nov 69 (Ita)

DIAGNOSTIC USE

Tissue perfusion measured using the ratio of 81Rb to 81mKr incorporated in the tissue. Jones T, et al. Nature (Lond) 230:119-20, 12 Mar 71
[A new method of measurement of the coronary output using rubidium 86] Di Matteo J, et al. Arch Mal Coeur 63:1657-72, Dec 70 (Fre)
[Myocardial circulation in myocardial infarct] Leb G. Wien Med Wochenschr 120:300-3, 25 Apr 70 (Ger)

METABOLISM

Effects of dipyridamole on myocardial clearance of Rb86 and on some parameters of central hemodynamics in man without coronary arterial disease. De Ponti C, et al. Am Heart J 82:69-77, Jul 71
The interaction of 2,4-dinitrophenol with anaerobic Rb+ transport across the yeast cell membrane. Borst-Pauwels GW, et al. Biochim Biophys Acta 225:269-76, 2 Feb 71
The effect of rubidium on the distribution and movement of potassium between blood, brain and cerebrospinal fluid in the rabbit. Bradbury MW. Brain Res 24:311-21, 1 Dec 70
Recognition of rubidium by the central nervous system. Lieberman KW, et al. Brain Res 23:124-7, 29 Sep 70
86Rb extraction as an indicator of capillary flow. Friedman JJ. Circ Res 28:Suppl 1:15-20, Jan 71
Kinetics of rubidium uptake in the working dog heart. Ziegler WH, et al. Circ Res 29:206-20, Aug 71
Efflux of 22Na and 86Rb from the crystalline lens. Paterson CA. Exp Eye Res 10:331-8, Oct 70
The kinetics of ouabain inhibition and the partition of rubidium influx in human red blood cells. Beauge LA, et al. J Gen Physiol 57:576-92, May 71
Effects of vitamin E and selenium on Rubidium-86 uptake by rat liver slices. Levander OA, et al. J Nutr 101:1013-22, Aug 71
Rubidium, sodium and ouabain interactions on the influx of rubidium in rat red blood cells. Beaugé LA, et al. J Physiol (Lond) 210:519-32, Oct 70
The permeability of mammary ducts. Linzell JL, et al. J Physiol (Lond) 216:701-16, Aug 71
Inhibition of renal cortical Rb+ transport by phospholipase C and its relationship to (Na++K+)-adenosine triphosphatase. Mailla A, et al. Lipids 5:658-61, Jul 70
Fractional uptake of radioactive rubidium in oral tissues of the rat. Steuck GJ, et al. Oral Surg 32:467-72, Sep 71
Biochemical aspects of the visual process. X. Distribution and movements of ions in the dark-adapted retina of the cuttlefish (Sepia officinalis). Duncan G, et al. Pfluegers Arch 322:264-77, 1971
Biochemical aspects of the visual process. XI. Light-stimulated ion movements in the retina of the cuttlefish (Sepia officinalis). Pont JJ de, et al. Pfluegers Arch 322:278-86, 1971
Correlation between ion fluxes and ion-stimulated adenosine triphosphatase activity of plant roots. Fisher JD, et al. Plant Physiol 46:812-4, Dec 70
Rubidium chloride ingestion by volunteer subjects: initial experience. Fieve RR, et al. Psychopharmacologia 20:307-14, 1971
[Preferential accumulation of cesium 137 in the mammalian organism, in comparison with potassium accumulation. I. Accumulation of potassium, rubidium and cesium in the perfused guinea pig heart] Edelmann L, et al. Biophysik 7:181-99, 1971 (Ger)
[A method for study of the adsorption of potassium, rubidium and cesium to cell membranes] Edelmann L. Biophysik 7:247-50, 1971 (Ger)

PHARMACODYNAMICS

Effect of rubidium and caesium on electrogenic sodium pumping in rat myometrium. Taylor GS, et al. Comp Biochem Physiol 38:251-64, 1 Feb 71
Stimulation of amylase secretion from the perfused cat pancreas by potassium and other alkali metal ions. Argent BE, et al. J Physiol (Lond) 216:611-24, Aug 71
Rubidium, sodium and ouabain interactions on the influx of rubidium in rat red blood cells. Beaugé LA, et al. J Physiol (Lond) 210:519-32, Oct 70
Rubidium and lithium: opposite effects on amine-mediated excitement. Carroll BJ, et al. Science 172:1355-7, 25 Jun 71

TOXICITY

Chronic ingestion of rubidium without toxicity: implications for human therapy. Meltzer HL, et al. Experientia 27:672-4, Jun 71

RUFFINI'S CORPUSCLES see under NERVE ENDINGS (A8)

RUMEN (A13)

Contagious ovine ecthyma with primary lesions of the rumen and concurrent phycomycosis: a case report. Morales GA, et al. Am J Vet Res 32:163-6, Jan 71
Pasture bloat in cattle. Ayre-Smith RA. Aust Vet J 47:162-9, Apr 71 (99 ref.)
Acute impaction of the rumen of drought-fed cattle resulting from changes in the type of grain fed. Morris JG. Aust Vet J 47:129-33, Apr 71
A focus of rumenal cancer in Kenyan cattle. Plowright W, et al. Br J Cancer 25:72-80, Mar 71
A modification of an old method for emptying the rumen of cattle. Radostits OM, et al. Can Vet J 12:150-1, Jul 71
Rumen acidosis in goats. Gnanaprakasam V. Indian Vet J 47:904-10, Oct 70
Nomenclature and morphology of Ostertagia trifurcata Ransom, 1907, with data on spicule lengths of five stomach worms of ruminants. Becklund WW, et al. J Parasitol 57:506-16, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Developmental changes in the structure of perinatal ruminal epithelium: basal infoldings, glycogen, and glycocalyx. Henrikson RC.
Z Zellforsch Mikrosk Anat 109:15-9, 1970

[Therapy of simple omasal dysfunctions in ruminants] Slanina L.
Dtsch Tieraerztl Wochenschr 77:1-5, 1 Jan 70 (Ger)

[Pathogenesis of Hoflund's syndrome in cattle] Dietz O, et al. Monatsh Vet Med 24:736-8, 1 Oct 69 (Ger)

[Production of volatile fatty acids in the rumen of sheep fed a semi-purified diet] Brüggemann J, et al.
Z Tierphysiol 21:137-43, May 66 (Ger)

[Buffer system in the rumen of cattle] Kaufmann W, et al. Z Tierphysiol 25:157-68, Jul 69 (Ger)

[Studies on the utilization of urea in ruminants. A. Lactation. IV. Ammonia concentration in the rumen juice and urea content in blood plasma and urine after the administration of urea] Möller PD, et al.
Z Tierphysiol 25:290-301, Oct 69 (Ger)

[Determination of hydrogen-ion concentration and redox potential in the rumen content of the cattle in vitro and in vivo. 2. Effect of the time of sampling on in vitro results] Müller R, et al.
Z Tierphysiol 25:239-42, Sep 69 (Ger)

[Determination of hydrogen-ion concentration and redox potential in the rumen content of the cattle in vitro and in vivo. I. Effect of the sampling and treatment of samples on the in vitro results] Müller R, et al. Z Tierphysiol 25:146-56, Jul 69 (Ger)

[Effect of cyclophosphamide on the circadian rhythm of mitoses and the rate of growth of transplantable neoplasms of the mouse rumen during administration at different hours of the day] Berezkin MV.
Biull Eksp Biol Med 71:92-5, May 71 (Rus)

ANALYSIS

Zinc, copper and manganese in the alimentary tract of sheep. Bremner I. Br J Nutr 24:769-83, Sep 70

Variation in ruminal nitrogen levels among some cervidae. Klein DR, et al. Can J Zool 48:1437-42, Nov 70

Fatty acids and lipids in the wall of the digestive tract in the goat. Feliński L, et al.
Folia Histochem Cytochem (Krakow) 9:117-26, 1971

Early weaning of buffalo calves. 2. Concentration of total volatile fatty acids and ammonia in the rumen fluid and nitrogenous constituents in the blood. Singh N, et al. Indian Vet J 47:730-7, Sep 70

Glycogen in the epithelium of fore-stomachs of buffalo-calf. Tiwari GP, et al.
Indian Vet J 48:135-7, Feb 71

Ruminal NH 3 ,pH and VFA of beef cattle on orchardgrass pasture and self-fed liquid molasses-urea or ground corn-fat supplements.
Rumsey TS, et al. J Anim Sci 33:507-13, Aug 71

Automatic sampling of blood and ruminal fluid of grazing sheep. Farrell DJ, et al.
Res Vet Sci 11:217-20, May 70

The effect of linseed oil added to the diet of cows on the fatty acid composition of rumen contents and blood.
Goosen PC, et al. Z Tierphysiol 27:125-34, Mar 71

[Gas chromatographic determination of volatile fatty acids and their production in the rumen] Giesecke D.
Z Tierphysiol 22:354-64, Jul 67 (Ger)

[Metabolic studies in urea feeding. 2. Amino acids in rumen fluid] Harmeyer J, et al.
Z Tierphysiol 27:150-8, Mar 71 (Ger)

[Results of gas chromatographic determinations of volatile fatty acids in the rumen of cows on various diets] Kaufmann W, et al.
Z Tierphysiol 22:1-8, Dec 66 (Ger)

BLOOD SUPPLY

Limitation of diffusion by blood flow through bovine ruminal epithelium. Dobson A, et al.
Am J Physiol 220:1337-43, May 71

A method for cannulating the gastrosplenic vein of sheep. Hecker JF. Res Vet Sci 11:375-6, Jul 70

[Effect of vasoactive humoral agents on the rumen and femoral artery area blood supply in sheep] Garbuliński T, et al.
Acta Physiol Pol 21:767-76, 1970 (Pol)

[Adrenergic receptor in the area of the ruminal and femoral arteries in sheep] Garbuliński T, et al.
Acta Physiol Pol 21:173-83, Mar-Apr 70 (Pol)

CYTOLOGY

Alterations in the size of the intercellular spaces in sheep rumen epithelium. Munn EA.
J Physiol (Lond) 210:104P+, Sep 70

DRUG EFFECTS

Effect of carbon dioxide on urea diffusion through bovine ruminal epithelium. Thorlacius SO, et al.
Am J Physiol 220:162-70, Jan 71

Effect of benzetimide (R 4929) on ruminal and intestinal motility in sheep. Marsboom R, et al.
Br Vet J 127:264-70, Jun 71

Toxicological effects of pesticides on rumen function in vitro. Kutches AJ, et al.
J Agric Food Chem 18:430-3, May-Jun 70

Effect of p,p'-DDT on rumen ecology, EKG patterns, and respiratory rate of beef steers. Rumsey TS, et al.
J Agric Food Chem 18:485-9, May-Jun 70

Utilization of ethanol and its effect on fatty acid patterns in ruminants. Pradhan K, et al.
J Dairy Sci 53:1739-46, Dec 70

Morphological changes in rumen epithelium after treatment with ouabain. Harrison FA, et al.
J Physiol (Lond) 210:107P+, Sep 70

[Experimental and clinical studies on the effect of Rompun in cattle] Goranov S, et al.
Dtsch Tieraerztl Wochenschr 78:485-9 contd, 15 Sep 71 (Ger)

ENZYMOLOGY

The carbonic anhydrase in the rumen epithelial tissue of the ox. Carter MJ.
Biochim Biophys Acta 235:222-36, 14 Apr 71

In vitro inhibition of rumen urease with acetohydroxamic acid. Brent BE, et al.
J Anim Sci 32:794-8, Apr 71

The influence of anions on the activity of a microsomal (Na+ plus K+)- ATPase preparation from sheep rumen epithelium. Currell AE, et al.
J Physiol (Lond) 210:106P+, Sep 70

The implication of ruminal thiaminase in cerebrocortical necrosis. Edwin EE, et al.
Proc Nutr Soc 30:7A, May 71

[Role of thermostable alpha- and thermolabile beta-amylase on the general amylolytic activity of the contents of the rumen and small intestine in cattle] Sačirbegović A.
Monatsh Vet Med 25:737-9, 1 Oct 70 (Ger)

[In vitro studies on the question of urea transformation in ruminal fluid. 1. Influence of the study method on ureolysis] Müller R, et al.
Z Tierphysiol 26:236-43, Aug 70 (Ger)

[Effect of different feeding of ruminants on the development of some oxidoreduction enzymes in the rumen juice] Pavel J.
Z Tierphysiol 25:91-9, May 69 (Ger)

[Cytochemical study of alkaline phosphatase activity in the goat forestomach epithelium] Schnorr B.
Z Zellforsch Mikrosk Anat 114:175-92, 1971 (Ger)

GROWTH & DEVELOPMENT

Rumen development in lambs. I. Microbial digestion of starch and cellulose. Poe SE, et al.
J Anim Sci 32:740-3, Apr 71

Rumen development in lambs. II. Rumen metabolite changes. Poe SE, et al. J Anim Sci 32:969-93, May 71

[Effects of stimuli of chemical (volatile fatty acids, ammonia) or physical origin contained in silage on the development of the rumen] Candau M.
C R Acad Sci [D] (Paris) 272:129-32, 4 Jan 71 (Fre)

INJURIES

[Tests of the peritoneal fluid of cattle with perforating rumen injuries] Komar E, et al.
Monatsh Vet Med 25:109-12, 1 Feb 70 (Ger)

INNERVATION

Differentiation between motoneurone and interneurone activity recorded from the medullary gastric centres of sheep. Harding R, et al.
J Physiol (Lond) 209:Suppl:42P+, Jul 70

The location of gastric motor units in the medulla of sheep. Harding R, et al.
J Physiol (Lond) 214:39P-40P, Apr 71

METABOLISM

Metabolism of long-chain fatty acids in the rumen. Viviani R. Adv Lipid Res 8:267-346, 1970 (267 ref.)

Effect of acute indigestion on compartmental water volumes and osmolality in sheep. Huber TL.
Am J Vet Res 32:887-90, Jun 71

Effect of fatty acid derivatives on rumen methane and propionate in vitro. Van Nevel CJ, et al.
Appl Microbiol 21:365-6, Feb 71

Citric acid metabolism in the bovine rumen. Wright DE.
Appl Microbiol 21:165-8, Feb 71

Arteriovenous differences in concentration of haemoglobin and urea across the forestomachs of sheep given lucerne chaff. Hecker JF, et al.
Aust J Biol Sci 24:403-5, Apr 71

The permeability of the rumen to simple nitrogenous compounds. Mooney P, et al.
Biochem J 119:18P-19P, Sep 70

A theoretical consideration of the effect of preventing rumen fermentation on the efficiency of utilization of dietary energy and protein in lambs. Black JL.
Br J Nutr 25:31-55, Jan 71

The effect of phosphate and carbonate-bicarbonate supplements on the rumen buffering systems of sheep. Emmanuel B, et al. Br J Nutr 24:853-60, Sep 70

The effect of dietary content of plant protein on the utilization of urea in the bovine rumen. Nikolić JA, et al. Br J Nutr 26:237-47, Sep 71

The effect on protein utilization of feeding different protein supplements via the rumen or via the abomasum in young growing sheep. Orskov ER, et al.
Br J Nutr 24:803-9, Sep 70

Nucleic acid metabolism in the ruminant. 3. Amounts of nucleic acids and total and ammonia nitrogen in digesta from the rumen, duodenum and ileum of calves. Smith RH, et al. Br J Nutr 25:181-90, Jan 71

Volatile fatty acid concentrations and pH of llama and guanaco forestomach digesta. Vallenas A, et al.
Cornell Vet 61:239-52, Apr 71

Studies on the biochemical process in the rumen. V. Effect of different levels of urea nitrogen on 'in vitro' digestion of cellulose by rumen micro-organisms from zebu cattle and buffalo. Ichhponani JS, et al.
Indian Vet J 48:355-61, Apr 71

Studies on the biochemical processes in the rumen. VII. 'In vitro' digestion of cellulose in cattle and buffalo. Ichhponani JS, et al. Indian Vet J 48:583-6, Jun 71

Metabolism of xenobiotics in ruminants. Use of activated carbon as an antidote for pesticide poisoning in ruminants. Wilson KA, et al.
J Agric Food Chem 18:437-40, May-Jun 70

Hydrolysis of 14 C-biuret by in vitro rumen fermentation and crude biuretase preparations. Bauriedel WR. J Anim Sci 32:704-10, Apr 71

Hydrolysis of 15 N-biuret by in vitro rumen fermentation and ruminal biuretase. Bauriedel WR, et al. J Anim Sci 32:711-5, Apr 71

Chemical additives in rumen fermentations: in vitro effects of drugs, inoculum source and substrate of rumen volatile fatty acids and protozoa. O'Connor JJ, et al. J Anim Sci 32:994-8, May 71

Variations in the amount and relative distribution of vitamin B12 and its analogs in the bovine rumen.
Dryden LP, et al. J Dairy Sci 54:235-46, Feb 71

Disappearance of methionine from the rumen. Emery RS. J Dairy Sci 54:1090-1, Jul 71

Effects of varying energy and roughage in rations for lactating cows on rumen volatile fatty acids and milk composition. Hoogendoorn AL, et al.
J Dairy Sci 53:1034-41, Aug 70

DDT- 14 C-metabolism by rumen bacteria and protozoa in vitro. Kutches AJ, et al. J Dairy Sci 54:540-3, Apr 71

Relation of ambient temperature and time postfeeding on ruminal, arterial and venous volatile fatty acids, and lactic acid in holstein steers. Martz FA, et al.
J Dairy Sci 54:520-5, Apr 71

Effect of methane inhibitors on rumen metabolism and feedlot performance of sheep. Trei JE, et al.
J Dairy Sci 54:536-40, Apr 71

Rumen methanol in vivo and in vitro. Vantcheva ZM, et al. J Dairy Sci 53:1511-4, Oct 70

Studies on rumen metabolism. VI. In vitro hydrolysis of triglyceride and isolation of a lipolytic fraction.
Clarke DG, et al. J Sci Food Agric 21:446-52, Sep 70

Theoretical quantitative approach to the mechanism of hypoglycemic ketosis in ruminants. Adler JH.
J Theor Biol 28:101-9, Jul 70

The barrier to diffusion across ruminal epithelium: a study by electron microscopy using horseradish peroxidase, lanthanum, and ferritin. Henrikson RC, et al. J Ultrastruct Res 34:72-82, Jan 71

Dynamics of blood urea and ruminal ammonia in fasting sheep. Várady J, et al.
Physiol Bohemoslov 19:519-22, 1970

Quantitative aspects of biohydrogenation in the rumen of the lactating goat. Bickerstaffe R, et al.
Proc Nutr Soc 29:Suppl:11A+, May 70

Movements of ammonia following intraruminal administration of urea or casein. Chalmers MI, et al.
Proc Nutr Soc 30:7-17, May 71

The effects of diet and pentagastrin on the influx of urea into the rumen of sheep. Harrop CJ, et al.
Proc Nutr Soc 30:3A-4A, May 71

Relationship between the pattern of ruminal fermentation and the flow of materials to the duodenum in sheep receiving a diet of barley, flaked maize and ground hay. Ishaque M, et al.
Proc Nutr Soc 30:1A-2A, May 71

The rate of carbohydrate fermentation in the rumen.
Sutton JD. Proc Nutr Soc 30:36-42, May 71

Absorption of chloride from the rumen of the sheep.
Scott D. Res Vet Sci 11:291-3, May 70

Role of the rumen mucosa in the sheep: relative changes in weight, and in the ability to metabolize propionate, during pregnancy and lactation. Weekes TE. Res Vet Sci 12:373-6, Jul 71

The metabolism of DNOC in sheep. Jegatheeswaran T, et al. Vet Rec 87:19-20, 4 Jul 70

The effect of linseed oil fatty acids on digestibility and rumen fermentation. Cottyn BG, et al.
Z Tierphysiol 27:253-9, May 71

Methanogenesis and propionate production in the rumen as influenced by therapeutics against ketosis.
Prins RA. Z Tierphysiol 28:147-51, Apr 70

A simple method for the simultaneous determination of gas production and volatile fatty acid concentration in the rumen. Van Nevel CJ, et al.
Z Tierphysiol 26:100-4, Mar 70

[The effect of mold toxins on the glycolysis (in vitro) and various rumen processes] Ožegović L, et al.
Mykosen 12:67-72, 1 Jan 69 (Ger)

[Ninhydrin-positive constituents of ruminant juice. 2.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Free amino acids and peptides] Harmeyer J. Z Tierphysiol 28:46-64, Aug 71 (Ger)
[Ninhydrin-positive constituents of ruminant juice. 1. Subfractions of residual N] Harmeyer J. Z Tierphysiol 28:32-46, Aug 71 (Ger)
[In vitro studies on the question of urea transformation in ruminal fluid. 2. Inhibitors and activators of ureolysis] Müller R, et al. Z Tierphysiol 27:35-44, Nov 70 (Ger)
[Reversibility of physical Lucerne- and horse-bean protein digestion in relation to the change in hydrogen-ion concentration within the rumen] Prokšová M. Z Tierphysiol 27:56-63, Nov 70 (Ger)

MICROBIOLOGY

Decomposition of pectin in vitro by pure strains of rumen bacteria. Tomerska H. Acta Microbiol Pol [B] 3:107-15, 1971
The effect of some factors on the cell volume of rumen ciliates. Westerling B. Acta Vet Scand 11:565-70, 1970
Normal flora--rumen bacteria. Bryant MP. Am J Clin Nutr 23:1440-50, Nov 70
Degradation and utilization of hemicellulose from intact forages by pure cultures of rumen bacteria. Coen JA, et al. Appl Microbiol 20:362-8, Sep 70
Metabolic fate of cysteine and methionine in rumen digesta. Nader CJ, et al. Appl Microbiol 20:677-81, Nov 70
Citric acid metabolism in the bovine rumen. Wright DE. Appl Microbiol 21:165-8, Feb 71
Acetylene reduction by rumen microflora. Elleway RF, et al. Arch Mikrobiol 76:277-91, 1971
Pathogenic variation in Ophiobolus graminis. Chambers SC. Aust J Biol Sci 23:1109-13, Oct 70
Electron-microscopic investigation of the flora of sheep alimentary tract. Hoogenraad NJ, et al. Aust J Biol Sci 23:793-808, Aug 70
The lipases produced by Anaerovibrio lipolytica in continuous culture. Henderson C. Biochem J 119:5P-6P, Sep 70
Growth of the riboflavin-splitting rumen organism Eubacterium fissicatena in the presence of tunstate and molybdate. Owen EC, et al. Biochem J 119:24P, Sep 70
Incorporation of 14C from [14C] glucose into amino acids by rumen bacteria. Zalin RJ. Biochem J 118:31P-32P, Jun 70
The effect of the absence of rumen ciliate protozoa on growing lambs fed on a roughage-concentrate diet. Eadie JM, et al. Br J Nutr 26:155-67, Sep 71
Measurement of the bacterial nitrogen entering the duodenum of the ruminant using diaminopimelic acid as a marker. Hutton K, et al. Br J Nutr 25:165-73, Jan 71
Identification of products produced by the anaerobic degradation of rutin and related flavonoids by Butyrivibrio sp. C3. Krishnamurty HG, et al. Can J Microbiol 16:759-67, Aug 70
The seasonal variation in the concentration of protozoa and Oscillospira guilliermondii organisms in the rumen fluid of grazing buffalo. Kulkerni VD, et al. Indian Vet J 48:137-42, Feb 71
Early weaning of buffalo calves. I. Concentrations of bacteria and protozoa in the rumen fluid. Singh N, et al. Indian Vet J 47:660-7, Aug 70
Proline utilization during cellulose fermentation by rumen microorganisms. Amos HE, et al. J Agric Food Chem 19:112-5, Jan-Feb 71
Candida albicans infection of the forestomachs of a calf. Cross RF, et al. J Am Vet Med Assoc 157:1325-30, 15 Nov 70
Influence of sulfur on in vitro starch digestion by rumen microorganisms. Kennedy LG, et al. J Anim Sci 32:359-63, Feb 71
Effect of various mineral elements on in vitro rumen cellulose digestion. Martinez A, et al. J Anim Sci 31:982-90, Nov 70
Influence of type and level of grain and diethylstilbestrol on the rumen microbial populations of steers fed all-concentrate diets. Slyter LL, et al. J Anim Sci 31:996-1002, Nov 70
Photolysis of 1-alpha-methylallylthiocarbamoyl-2-methylthiocarbamoylhydrazine (methallibure) to a thiadiazole in the presence and absence of rumen microorganisms. Williams PP, et al. J Anim Sci 33:497-501, Aug 71
Carbon dioxide requirement of various species of rumen bacteria. Dehority BA. J Bacteriol 105:70-6, Jan 71
Isolation, culture, and fermentation characteristics of Selenomonas ruminantium var. bryantivar. n. from the rumen of sheep. Prins RA. J Bacteriol 105:820-5, Mar 71
Effect of activated carbon on lamb performance and rumen parameters. Hershberger TV, et al. J Dairy Sci 54:693-5, May 71
Protein and carbohydrate utilization by rumen microorganisms maintained in continuous in vitro culture. Wright PL. J Dairy Sci 54:688-92, May 71
Re-establishment of Entodinium caudatum, cultured in vitro, in the rumen of a defaunated sheep. Coleman GS, et al. J Gen Microbiol 62:285-6, Aug 70
Nitrogen fixation in rumen contents indicated by the acetylene reduction test. Granhall U, et al. J Gen Microbiol 65:91-3, Jan 71
Characteristics of cellulolytic ciliobacteria from the rumens of sheep fed teff (Eragrostis tef) hay diets. Gylswyk NO van, et al. J Gen Microbiol 60:381-6, Mar 70
A comparison of two techniques for counting cellulolytic rumen bacteria. Gylswyk NO van. J Gen Microbiol 60:191-7, Feb 70
Relative efficiency of pure cultures of different species of cellulolytic rumen bacteria in solubilizing cellulose in vitro. Gylswyk NO van, et al. J Gen Microbiol 66:109-13, Apr 71
A study of the lipase produced by Anaerovibrio lipolytica, a rumen bacterium. Henderson C. J Gen Microbiol 65:81-9, Jan 71
Growth of two rumen bacteria in mixed culture. Hobson PN, et al. J Gen Microbiol 63:xi, Nov 70
Factors concerned in the lysis of bacteria in the alimentary tract of sheep. Hoogenraad NJ, et al. J Gen Microbiol 62:261-3, Aug 70
The cultivation of 'Ovals' from the ovine rumen. Orpin CG, et al. J Gen Microbiol 63:12-3, Nov 70
Mechanism of propionate formation by Selenomonas ruminantium, a rumen micro-organism. Paynter MJ, et al. J Gen Microbiol 61:1-7, Apr 70
Nitrogen fixation by sporulating sulphate-reducing bacteria including rumen strains. Postgate JR. J Gen Microbiol 63:137-9, Sep 70
Characteristics of ruminococcus and cellulolytic butyrivibrio species from the rumens of sheep fed differently supplemented teff (Eragrostis tef) hay diets. Van Gylswyk NO, et al. J Gen Microbiol 64:11-7, Nov 70
Influence of the branched-chain volatile fatty acids and phenylacetate on rminal microorganisms and nitrogen utilization by steers fed urea or isolated soy protein. Oltjen RR, et al. J Nutr 101:101-12, Jan 71
Influence of starch and nitrogen sources on ruminal microorganisms of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:847-53, Jul 71
Influence of urea, biuret and starch on amino acid patterns in ruminal bacteria and blood plasma and on nitrogen balance of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:839-46, Jul 71
Consequences to the host of changes in rumen microbial activity. Ishaque M, et al. Nature [New Biol] 231:253-6, 23 Jun 71
Rumen micro-organisms. Hobson PN. Progr Ind Microbiol 9:41-77, 1971 (131 ref.)
The metabolism of DNOC in sheep. Jegatheeswaran T, et al. Vet Rec 87:19-20, 4 Jul 70
Bifidobacterium bacteriophage from calf rumen. Matteuzzi D, et al. Z Allg Mikrobiol 11:57-8, 1971
Effect of sodium sulfite on methane and propionate in the rumen. Van Nevel CJ, et al. Z Tierphysiol 26:91-100, Mar 70
Effect of chloral hydrate and related compounds on the metabolism of lactic and pyruvic acid by rumen bacteria. Quaghebeur D, et al. Zentralbl Veterinaermed [A] 18:64-74, Jan 71
Effect of chloral hydrate and related compounds on the fermentation of glucose by rumen bacteria. Quaghebeur D, et al. Zentralbl Veterinaermed [A] 18:55-63, Jan 71
Effect of chloral hydrate and related compounds on the activity of several enzymes in extracts of rumen microorganisms. Quaghebeur D, et al. Zentralbl Veterinaermed [A] 18:417-27, Jul 71
[Influence of technological processing of energetic food (immature barley) on the metabolism of carbohydrates and urea in the rumen of sheep] Durand M. C R Acad Sci [D] (Paris) 271:2167-70, 9 Dec 70 (Fre)
[The cultivation of single strains of infusoria occurring in the rumen with studies of the end products of their carbohydrate metabolism] Nestorov NS, et al. Monatsh Vet Med 24:29-32, 1 Jan 69 (Ger)
[Game biology and comparative animal physiology. II. Microorganisms in the rumen of red deer (Cervus elaphus) and roe deer (Capreolus capreolus)] Brüggemann J, et al. Z Tierphysiol 23:143-51, Dec 67 (Ger)
[Studies on the usefulness of the esophageal bougie in the determination of bacterial digestive processes in the rumen of milk cows] Bruns H, et al. Z Tierphysiol 24:1-9, Jun 68 (Ger)
[Free amino acids in rumen protozoa] Harmeyer J. Z Tierphysiol 21:211-8, Jul 66 (Ger)
[Studies of metabolism in urea feed. 3. Microbial proteins] Harmeyer J, et al. Z Tierphysiol 27:293-300, Jun 71 (Ger)
[Splitting up of lipids by rumen bacteria] Maugeri TL. Acta Med Vet (Napoli) 16:427-36, Sep-Dec 70 (Ita)
[Bacteriophages in the contents of cattle rumen] Tarakanov BV. Mikrobiologiia 40:544-50, May-Jun 71 (Rus)
[Fimbria and unusual appendages in microorganisms inhabiting carrie rumen] Tarakanov BV. Mikrobiologiia 40:335-41, Mar-Apr 71 (Rus)
[Evaluation of the biological activity of propionic acid bacteria from the rumen] Sizova AV, et al. Veterinariia 12:30-1, Dec 70 (Rus)
[The effect of B group vitamins on the growth of lactic acid bacteria from the rumen of cattle] Podgorskiĭ VS. Mikrobiol Zh 31:407-9, Jul-Sep 69 (Ukr)
[Antagonistic properties of lactic acid bacteria, isolated from the rumen of the cattle] Podgorskii VS. Mikrobiol Zh 32:775-80, Nov-Dec 70 (Ukr)

PATHOLOGY

[Migration of foreign bodies, embedded in the ruminal serosa, into the ruminal lumen] Hájovská B, et al. Dtsch Tieraerztl Wochenschr 77:80-2, 15 Feb 70 (Ger)

PHYSIOLOGY

Glucose synthesis in ruminants. Leng RA. Adv Vet Sci Comp Med 14:209-60, 1970 (140 ref.)
A comparison of markers for estimating magnitude of rumen digestion. Drennan MJ, et al. Br J Nutr 24:961-70, Dec 70
The effects of feeding procedure on closure of the oesophageal groove in young sheep. Orskov ER, et al. Br J Nutr 24:785-95, Sep 70
Studies on the biochemical process in the rumen. VI. In vivo digestion of cellulose in buffalo and cattle. Ichhponani JS, et al. Indian Vet J 48:267-71, Mar 71
Effect of beet pulp and citrus pulp on rumination activity. Welch JG, et al. J Anim Sci 33:472-5, Aug 71
Effects of a stepwise replacement of hay with corn silage on pH, some organic metabolites, and their changes in the rumen fluid of the bovine after feeding. Fenner H, et al. J Dairy Sci 53:1568-77, Nov 70
Lactational and ruminal response of dairy cows to ten and twenty percent dietary newspaper. Mertens DR, et al. J Dairy Sci 54:667-72, May 71
Formation of octadecadienoic acid by rumen liquor of calves, cows and sheep in vitro. Skian D, et al. J Dairy Sci 54:515-9, Apr 71
Do the gastric centres need an excitatory input? Beghelli V, et al. J Physiol (Lond) 216:75P-76P, Jul 71
[Intraruminal pressures in a cow with rumen indigestion] Boldt E, et al. Monatsh Vet Med 25:906-7, 1 Dec 70 (Ger)
[Telemetric monitoring of rumen activity in cattle. 2. Full-day monitoring after 2 different types of ration] Boldt E, et al. Monatsh Vet Med 25:901-6, 1 Dec 70 (Ger)
[Telemetric monitoring of rumen activity in cattle. 1. Material and experimental method] Johansen H, et al. Monatsh Vet Med 25:897-901, 1 Dec 70 (Ger)
[Studies on the influence of feed and rumen fermentation on saliva secretion] Kaufmann W, et al. Z Tierphysiol 21:110-20, Apr 66 (Ger)
[The influence of high-fat and various fat diets on the performance of milk cows and on the digestive processes in the rumen] Orth A, et al. Z Tierphysiol 21:83-96, Apr 66 (Ger)

SECRETION

[Ruminal fluid sampling in cattle] Keindorf HJ, et al. Monatsh Vet Med 26:137-9, 15 Feb 71 (Ger)

SURGERY

[Effectiveness of cavitary operations] Kochmar AG, et al. Veterinariia 6:76-8, Jun 70 (Rus)

RUNAWAY REACTION (F2)

A social worker's observations of runaways at an institution for the mentally retarded. Austin RC 3d. Ment Retard 8:40-1, Dec 70
Runaways reinterpreted. Walden T. Ment Retard 9:38-9, Aug 71

RUNT DISEASE see under HOMOLOGOUS

WASTING DISEASE (C14)

RUNTING SYNDROME see under HOMOLOGOUS

WASTING DISEASE (C14)

RUPTURE (C14)

[Rupture of the sub-pyelic ureter by closed injury in children] Lacheretz M, et al. Ann Chir Infant 12:125-31, Mar-Apr 71 (Fre)
[Determination of the rupture strength of corneal cicatrix and of non swelling cornea] Shillinger G, et al. Ann Ocul (Paris) 204:133-45, Feb 71 (Fre)
[Traumatic ruptures of the trachea and bronchi. Experience in 7 cases] Couraud L, et al. Bord Med 3:2867-8 passim, Dec 70 (Fre)
[107 cases of ruptured extrauterine pregnancies in African wo[illegible]] Bourrel P, et al. Med Trop (Mars) 29:184-9, Mar-Apr 69 (Fre)
[On a case of pancreatic rupture due to losed trauma of he abdomen] Pomerri G, et al. Acta Chir Ital 25:373-89, May-Jun 69 (Ita)
[Rupture of the sigmoid caused by injection of compressed air into the anus] Scarabelli L, et al. Minerva Chir 26:639-45, 30 Jun 71 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

[Combined injuries in childhood] Benecke H.
Beitr Orthop Traumatol 17:253-6, Apr 70 (Ger)
[The cyst wall of echinococcus granulosus in ruptured and non ruptured pulmonary cysts in man] Dutz W, et al. Z Tropenmed Parasitol 22:190-5, Jun 71 (Ger)

ETIOLOGY

[Severe pelvic fracture with rectal rupture and fatal hemorrhage] Fennwarth B.
Zentralbl Chir 96:190-2, 30 Jan 71 (Ger)

SURGERY

[Treatment and late results of subcutaneous rupture of the Achilles tendon] Schmidtsdorf G.
Beitr Orthop Traumatol 18:357-61, Jun 71 (Ger)
[Traumatic lung rupture] Rothe G, et al.
Z Erkr Atmungsorgane 132:337-41, 1970 (Ger)
[Function of the external sphincter of the rectum after suturing a 3d degree rupture of the perineum] Butkiavichus SS, et al.
Akush Ginekol (Mosk) 46:67-8, Feb 70 (Rus)

RUPTURE, SPONTANEOUS (C17)

Rupture of the tympanic membrane followed by sudden death. Goldstein AJ, et al.
Arch Otolaryngol 93:140-6, Feb 71
[Massive mitral insufficiency caused by a spontaneous column rupture (apropos of a case operated with success, using a Starr-Edwards prosthesis)] Soulié P, et al. Arch Mal Coeur 64:742-62, May 71 (Fre)
[Spontaneous simultaneous bilateral rupture of the Achilles tendon] Vovor VM, et al.
Bull Soc Med Afr Noire Lang Fr 16:58-63, 1971 (Fre)
[A dangerous thoracic emergency: spontaneous rupture of the esophagus] Pestel M, et al.
Presse Med 78:2385-6, 12 Dec 70 (Fre)

COMPLICATIONS

[Antepartum fetal death] Schenker JG, et al.
Harefuah 77:234-7, 15 Sep 69 (Heb)

ETIOLOGY

Spontaneous rupture of the collecting system of the kidney: an evaluation. Smulewicz JJ, et al.
J Urol 104:507-11, Oct 70
[Complete and spontaneous rupture of Douglas' pouch during normal labor] Bertaud P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:442-3, Sep-Oct 69 (Fre)
[2 autopsy cases of fatal heart rupture after acute myocardial infarction] Ishioka T, et al.
Naika 26:1148-50, Dec 70 (Jap)

PATHOLOGY

Spontaneous rupture of a metastatic brain tumor into the ventricular system. Report of two cases. Wilkins RH, et al. J Neurosurg 34:412-6, Mar 71

SURGERY

Spontaneous rupture of the superficial femoral artery with formation of a false aneurysm. King JN, et al.
J Cardiovasc Surg (Torino) 11:398-400, Sep-Oct 70
[Treatment of the spontaneous rupture of the long thumb extensor] Seiffert KE.
Chirurg 41:476-7, Oct 70 (Ger)

RURAL HEALTH (N1)

Infection and nutrition of children of a low socioeconomic rural community. Mata LJ, et al.
Am J Clin Nutr 24:249-59, Feb 71
Raising the level of child health in a rural community: a model. Rice TJ, et al.
Am J Public Health 60:2284-8, Dec 70
Hookworm infection in a rural Kentucky county. Gloor RF, et al. Am J Trop Med Hyg 19:1007-9, Nov 70
Planning a rural alcoholism program. Ritson EB, et al.
Br J Addict 65:199-202, Nov 70
Discussion of the "how" of community participation in delivering health care. Hatch JW.
Bull NY Acad Med 46:1084-90, Dec 70
Discussion of the "how" of community participation in delivering health care. Neal O Jr.
Bull NY Acad Med 46:1091-8, Dec 70
Discussion of the role of the community in developing improved health care. Wescott L.
Bull NY Acad Med 46:1042-7, Dec 70
A multipurpose serological survey in Kenya. 1. Survey methods and progress of field work. Geser A, et al.
Bull WHO 43:521-37, 1970
Alaskan rural health programs--new directions. Bicknell WJ.
Can J Public Health 61:497-502, Nov-Dec 70
Some social aspects of medical care in small communities. Lucas RA, et al.
Can J Public Health 62:6-16, Jan-Feb 71
A new approach for native people in Canada's North. Sutherland ES.
Can J Public Health 61:459-61, Nov-Dec 70
Health service delivery problems in Northern Canada. Wiebe JH. Can J Public Health 61:481-7, Nov-Dec 70
Disease prevalence in a rural Rhodesian African secondary school. Donaldson JF.
Cent Afr J Med 16:79-81, Apr 70
Outline for a priority research program in community mental health: the Bayonne project. Draper M, et al.
Dis Nerv Syst 31:Suppl:175-9, Nov 70
Rural ambulance service. McClendon EL, et al.
Hospitals 45:68-71, 16 Apr 71
Lively health fairs in rural Oklahoma. Brooks S.
HSMHA Health Rep 86:121-4, Feb 71
A study on vital statistics in certain villages around rural health training centre Sarojini Nagar Lucknow. Raj B, et al. Indian J Med Res 59:137-44, Jan 71
A longitudinal study of morbidity in rural area. Rao PS, et al. Indian J Med Res 58:927-37, Jul 70
Repeat general health survey in a group of villages in the area of Rural Health Training Centre. Shivaram C, et al. Indian J Med Res 58:1134-48, Sep 70
Morbidity pattern of out-patient attendance. Kumar Dutta J, et al. Indian J Pediatr 37:134-8, Apr 70
An approach to interns' training in rural areas. Tiwari IC, et al. Indian J Public Health 14:6-10, Jan 70
Analysis of the vital statistics from the rural community, Palghar. 3. Preschool and school age mortalities. Shah PM, et al.
Indian Pediatr 6:759-67, Dec 69
Psychophysiologic and conversion reactions in children. Selective incidence in verbal and nonverbal families. Looff DH.
J Am Acad Child Psychiatry 9:318-31, Apr 70
Health care for the disadvantaged in the rural area. Saltzman BN. J Arkansas Med Soc 67:319-21, Mar 71
Are we prepared? Saltzman BN.
J Arkansas Med Soc 67:162-5, Oct 70
False positives galore: the application of standard MMPI criteria to a rural, isolated, Negro sample. Gynther MD, et al. J Clin Psychol 27:234-7, Apr 71
Rural medical practitioners in Andhra Pradesh and West Godavary District.
J Indian Med Assoc 55:293-4, 16 Oct 70
Doctoring in remote areas.
J Ir Med Assoc 64:265-7, 27 May 71
Health services in the rural areas of Lebanon. Srouji E.
J Med Liban 23:395-402, 1970
Howard University Mississippi Project.
J Natl Med Assoc 62:466-7, Nov 70
Regional medical programs and medical care in rural Oklahoma. Groom D.
J Okla State Med Assoc 63:165-7, Apr 70
Multipurpose rôle of mobile hospitals in rural India. Duraiswami PK. J R Coll Surg Edinb 16:185-7, Jul 71
Communication with rural areas by radio, light aircraft and mobile land units. Wood AM.
J R Coll Surg Edinb 16:202-5, Jul 71
Rural health care systems. Wilson VE.
J Tenn Med Assoc 64:587-91, Jul 71
Prevention of communicable disease. 1. The control of communicable diseases in rural workers--the role of university departments. Sofoluwe GO.
J Trop Med Hyg 73:310-7, Nov 70
Health care delivery in rural areas. Bible BL.
JAMA 216:1635-7, 7 Jun 71
The rural-to-urban malnutrition gradient. A key factor in the pathogenesis of urban slums. Krumdiek CL.
JAMA 215:1652-4, 8 Mar 71
A two-year experience with a series of rural skin and oral cancer detection clinics. Weary PE.
JAMA 217:1862-3, 27 Sep 71
Rural health care systems. Wilson VE.
JAMA 216:1623-6, 7 Jun 71
Surgery in the small hospital. Shepherd J.
Lancet 1:903-5, 1 May 71
The changing work-load in a rural practice. Wilson JB.
Lancet 1:895, 3 Apr 71
How can we get top notch health care to the crossroads? Andrus LH. Med Care 8:350-2, Sep-Oct 70
No better laboratory to train family MDs than the community. Comstock LD Jr.
Mich Med 70:477-8 passim, May 71
Editorial. Dentist wanted. Berkey LG.
NY State Dent J 37:165, Mar 71
A medical centre in a country town. Pears RK.
NZ Med J 71:347-51, Jun 70
Regional medical programs: Washington-Alaska: the rural area. Bratrude AP. Postgrad Med 48:274-7, Oct 70
Nutrition education in rural societies. Morley D.
Proc Nutr Soc 29:230-6, Dec 70
Protein deficiency in urban and rural areas: its measurement, size and nature. Sukhatme PV.
Proc Nutr Soc 29:176-83, May 70
Health care: what the poor people didn't get from Kentucky project. Bazell RJ.
Science 172:458-60, 30 Apr 71
Appalachia: focus of health care. Dow WW.
Science 170:680, 13 Nov 70
Projects under way. Burton-Bradley BG.
Soc Sci Med 4:667-8, Dec 70
Thai "injection doctors"; antibiotic mediators. Cunningham CE. Soc Sci Med 4:1-24, Jul 70
[Infantile tuberculosis in rural areas] Lavedrine J.
Ann Pediatr (Paris) 17:631-5, 2 Oct 70 (Fre)
[Community psychiatry in a rural community: description and evaluation] Hillel J, et al.
Laval Med 42:42-50, 1 Jan 71 (Fre)
[Considerations on allergy in rural environments] Bregevin B, et al.
Presse Therm Climat 107:209-15, 1970 (Fre)
[Rural medicine and thermalism] Debidour A.
Presse Therm Climat 107:195-6, 1970 (Fre)
[The psychologic problem of rural subjects in the modern world] Dubois JC.
Presse Therm Climat 107:196-200, 1970 (Fre)
[Psychophysiologic disorders in rural environment and their drug therapy] Wasem RM.
Rev Med Suisse Romande 90:361-74, Apr 70 (Fre)
[Rehabilitation from the viewpoint of a psychiatric hospital in a rural district] Gropler H.
Dtsch Gesundheitsw 25:1333-40, 10 Jul 70 (Ger)
[Dermatomycoses and their treatment in rural general practice] Hiehler A. Mykosen 11:53-6, 1 Jan 68 (Ger)
[Medical problems in employment of women at tractors and combines] Fritze G, et al.
Z Aerztl Fortbild (Jena) 64:957-62, 15 Sep 70 (Ger)
[Diagnosis and therapy of the cerebrovascular syndrome in a rural hospital] Rentsch HJ.
Z Aerztl Fortbild (Jena) 63:1221-8, 1 Dec 69 (Ger)
[Random studies of the incidence of diabetes in the rural population during the 2d half of life] Schneider H, et al. Z Gesamte Inn Med 25:809-11, 1 Sep 70 (Ger)
[Medical care in remote areas] Kato K, et al.
J Jap Med Assoc 65:934-40, 1 Apr 71 (Jap)
[Medical care in remote areas] Shigeta S.
J Jap Med Assoc 65:701-5, 1 Mar 71 (Jap)
[Psychiatric problems in rural environment] Pionkowski J, et al. Psychiatr Pol 4:557-60, 1970 (Pol)
[State sanitary control in rural districts and new official standards for sanitary epidemiological stations] Aniskevich DI, et al.
Gig Sanit 35:44-8, Oct 70 (Rus)
[Basic problems of hygiene in planning settlements in the hot climate of Uzbekistan] Atabaev ShT, et al.
Gig Sanit 36:3-6, 1971 (Rus)
[Characteristics of the physical development and some functional indices of rural school children] Dorozhnova KP, et al. Gig Sanit 35:31-6, Dec 70 (Rus)
[Urgent problems of communal hygiene in the village] Kaliuzhnyĭ DN, et al. Gig Sanit 35:56-9, Aug 70 (Rus)
[Reorganizing sanitary epidemiological departments into independent sanitary epidemiologic stations in rural districts] Luchina KI, et al.
Gig Sanit 35:42-5, Jun 70 (Rus)
[Effect of increased window pane area on the microclimate of rural hospitals] Mironenko MA.
Gig Sanit 35:92-4, Nov 70 (Rus)
[Hygienic assessment of new types of dwelling houses in rural districts] Nemkova ZA.
Gig Sanit 36:100-1, 1971 (Rus)
[Eye injuries in children in agricultural regions] Pil'ganchuk VV. Oftalmol Zh 25:455-6, 1970 (Rus)
[Active detection of early forms of glaucoma and dispensarization of patients in rural regions of Belorussia] Soloveĭ NIa.
Oftalmol Zh 25:228-30, 1970 (Rus)
[Some problems of tuberculosis control in rural areas] Ermakov VV, et al. Probl Tuberk 49:17-20, 1971 (Rus)
[Experience of a rural antituberculosis clinic in the Kraĭnīĭ Sever region] Pakka DN.
Probl Tuberk 48:8-10, 1970 (Rus)
[Study of the possibility of using house visits as a method of detecting tuberculosis in rural districts] Ursov IG, et al. Probl Tuberk 48:9-11, 1970 (Rus)
[Forms and methods of management of hospital facilities in a rural area] Botvinov AM.
Sov Zdravookhr 30:8-12, 1971 (Rus)
[Standards of rural population requirements for medical care] Malov NI.
Sov Zdravookhr 29:41-7, 1970 (Rus)
[Improvement of the system of rural public health management] Nikitin VG.
Sov Zdravookhr 30:13-5, 1971 (Rus)
[Once again about the management of public health services] Piekhanov A.
Sov Zdravookhr 30:15-7, 1971 (Rus)
[Analysis of the activity of first aid stations in rural regions of the Ararat valley of the Armenian SSR (Artashatsk, Echmiadzinsk, Oktemberiansk)] Simonian KN. Sov Zdravookhr 29:46-8, 1970 (Rus)
[General morbidity according to patient data of 3 rural districts of the Ararat valley (Echmiadzinsk, Artashatsk, Oktemberiansk) in 1968] Simonian KN.
Sov Zdravookhr 29:49-53, 1970 (Rus)
[Different stages of hospitalization of rural population in Armenia] Simonian KN.
Sov Zdravookhr 30:17-9, 1971 (Rus)
[Urgent problems of organizing resuscitation aid in the village] Tsmokaliuk II, et al.
Sov Zdravookhr 29:47-9, 1970 (Rus)
[The hygienic public welfare of the villages of Kirghizia] Adraliev KA.
Sov Zdravookhr Kirg 6:58-60, Nov-Dec 70 (Rus)
[The role of the regional hospital in increasing the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

quality of medical and health care and in specialized services to the rural population] Cherkasov KS. Sov Zdravookhr Kirg 6:30-3, Nov-Dec 70 (Rus)
[Work in the Department of Emergency and Planned-Consultative Medical Service of the Lvov Regional Clinical Hospital] Gorobchuk VG. Vrach Delo 152-3, Jan 71 (Rus)
[Morbidity of the rural population of the Daghestan ASSR (based on data from return visits and medical inspections] Asadulaev MM. Zdravookhr Ross Fed 14:3-6, Dec 70 (Rus)
[Some problems of rural public health] Borob'ev VA. Zdravookhr Ross Fed 14:13-7, Jul 70 (Rus)
[Centralization of laboratory service in a rural regional hospital] Katsman MV, et al. Zdravookhr Ross Fed 14:31-3, Dec 70 (Rus)
[Certain peculiarities of the organization of therapeutic-preventive service to the rural population in the steppe regions of Kuban'] Khachik'ian AS. Zdravookhr Ross Fed 15:31-4, Feb 71 (Rus)
[Socio-hygenic characteristics of the morbidity of a rural population (according to random sampling data)] Savvin SI. Zdravookhr Ross Fed 14:19-21, Nov 70 (Rus)
[Experience in organizing obstetric aid in a rural region] Veselov MG. Zdravookhr Ross Fed 15:15-8, Feb 71 (Rus)
[Experience in the use of punched cards to study the volume and quality of first aid and emergency medical service in rural regions] Volodin AK. Zdravookhr Ross Fed 14:25-9, Aug 70 (Rus)
[Ways of improving service in epidemic foci in rural locations. II. Organization of an experiment according to the distribution of duties between institutions and specialists and its results] Khmel'nitskaia NM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:141-6, Aug 70 (Rus)
[Experience with organizing vaccination of children in the rural regions of the Russian Federation] Shabad AT, et al. Zh Mikrobiol Epidemiol Immunobiol 47:102-6, Sep 70 (Rus)
[Wounds and injuries:accidents in the rural area. Epidemiology and prevention] De Elizalde FJ, et al. Arch Argent Pediatr 68:344-9 contd, Nov 70 (Spa)
[Financing of water supply programs in rural communities in El Salvador] Chico Romero JA. Bol Of Sanit Panam 69:141-6, Aug 70 (Spa)
[Preliminary results of a health program for children in a rural sea area of the Llanquihue province] Pasik SR. Rev Chil Pediatr 41:454-78, Jun 70 (Spa)
[The rural social and health center] Adeva Candenas J. Rev Sanid Hig Publica (Madr) 44:639-48, Jun 70 (Spa)
[Care of cardiovascular diseases in communities with rural medical services] García Barrios H. Rev Venez Sanid Asist Soc 35:155-62, Mar 70 (Spa)
[First forum on rural work. Health and social security in agricultural work] Rev Venez Sanid Asist Soc 35:513-677, Sep 70 (Spa)
[Sick children in the country. A pediatrics material from a doctor's station in Härjedalen] Gustafsson LH. Lakartidningen 67:6041-54, 16 Dec 70 (Swe)
[Debate on physician education: the provincial clinics are affected--is the capacity for care of the sick reduced?] Herner B. Lakartidningen 68:561-2, 3 Feb 71 (Swe)
[2-physician station in Alvsbyn, Norrbotten County] Schäufele U, et al. Lakartidningen 68:428-31, 27 Jan 71 (Swe)
[Some data on bed capacity for children in a rural district in Ukraine] Vitruk NA. Pediatr Akush Ginekol 1:26-7, Jan-Feb 69 (Ukr)

HISTORY

[Social hygiene studies of Zemstvo physicians of the present Kirovograd region] Fedorova TP, et al. Gig Sanit 36:67-9, 1971 (Rus)
[The situation of physicians under the rural self-government system of Russia] (Lenin VI), Karpov LN. Sov Zdravookhr 29:77-82, 1970 (Rus)

MANPOWER

[Improving the handling of epidemic foci in rural localities. I. Work of specialist epidemiologists in a rural area and time expenditures on the main tasks] Khmel'nitskaia NM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:64-9, Jul 70 (Rus)

RURAL POPULATION (N1)

A study of prevalence and biosocial variables in mental illness in a rural and an urban community in Uttar Pradesh--India. Dube KC. Acta Psychiatr Scand 46:327-59, 1970
Nutritional value and composition in foodstuffs of the diet of the Vietnamese rural adult. Vỹ T. Am J Clin Nutr 24:38-40, Jan 71
The incidence of triplets and higher multiple births in some rural and urban populations in Western Nigeria. Nylander PP. Ann Hum Genet 34:409-15, May 71
A study of personality assets in a rural community. Beiser M. Arch Gen Psychiatry 24:244-54, Mar 71
Rural leaders' perceptions of mental illness. Bentz WK, et al. Hosp Community Psychiatry 22:143-5, May 71
Nutritional assessment of preschool children of a rural community. Ghai OP, et al. Indian J Med Res 58:1621-8, Nov 70
A study on morbidity pattern in a rural population based on clinic data. Patnaik KC, et al. Indian J Med Res 57:1552-62, Aug 69
Nutritional status of rural pre-school children. II. Clinical observations. Shrivastava AK, et al. Indian Pediatr 7:368-73, Jul 70
The impact of surgical diseases on an Appalachian community. Richardson JD, et al. J Ky Med Assoc 69:100-4, Feb 71
The pace of life and sensitivity to time in urban and rural settings. A preliminary study. Lowin A, et al. J Soc Psychol 83:247-53, Apr 71
Integrated epidemiological surveys. Rural population of Hungary. Fülöp T. Milbank Mem Fund Q 49:59-92, Jan 71
Study of human and animal dermatophytoses in rural areas. I. Mahajan VM, et al. Mykosen 11:687-96, 1 Oct 68
Recognition and treatment of youthful depression in a rural area. McLaughlin BE. Psychosomatics 11:420-1, Sep-Oct 70
A tornado warning mechanism for isolated communities, farms and ranches. Gregg JB. SD J Med 24:15, Jun 71
Role of the indigenous medicine practitioner in two areas of India. Report of a study. Neumann AK, et al. Soc Sci Med 5:137-49, Apr 71
Studies of South African Bantu and Caucasian pre-school children. Mortality rates in urban and rural areas. Richardson BD. Trans R Soc Trop Med Hyg 64:921-6, 1970
Study on the monthyl requirements of calories and the supply of essential nutrients in the rural population of different countries. Wirths W, et al. World Rev Nutr Diet 12:128-44, 1970 (18 ref.)
[Survey of the alimentation and the way of life of rural aged people. Study of 1084 men and 2024 women, aged 70 and over, living in a strictly rural environment, in Lot-et-Garonne, Vienne, Haute-Loire and Loire] Bresard M. Bull Inst Natl Sante Rech Med 26:195-322, Jan-Feb 71 (Fre)
[Anthropology and demography] Olivier G. C R Acad Sci [D] (Paris) 272:1430-2, 8 Mar 71 (Fre)
[Ten years educational advisory council in a county] Reinhardt RL. Prax Kinderpsychol Kinderpsychiatr 19:265-8, Oct 70 (Ger)
[The geographical distribution of Hodgkin's disease and its urban-rural ratio in Northern Germany] Dörken H, et al. Z Krebsforsch 74:190-9, 1970 (Ger)
[The incidence of chronic nonspecific respiratory diseases in the rural population] Kraszkó P, et al. Orv Hetil 111:2236-8, 20 Sep 70 (Hun)
[Attitude of the rural population to mental illnesses] Falicki Z, et al. Psychiatr Pol 5:301-7, May-Jun 71 (Pol)
[Causes and effects of injuries in the rural population] Koska W. Wiad Lek 23:1839-43, 15 Oct 70 (Pol)
[Development of a rural pharmacy network in the postwar period (1945-1965)] Lavrent'eva VZ. Farmatsiia 17:16-20, May-Jun 68 (Rus)
[Role of the central district pharmacy in the organization of pharmaceutical service of the rural population] Semchin NA. Farmatsiia 19:76-7, Nov-Dec 70 (Rus)
[Hygiene problems of planning, building and arranging well rural population settlements] Loranskiĭ DN, et al. Gig Sanit 35:9-13, Jul 70 (Rus)
[Preliminary results of the social-demographic study of the family composition in the rural population of Tambov region] Arkhipova GP, et al. Sov Zdravookhr 30:16-8, 1971 (Rus)
[Use of drugs by ambulatory patients (based on the example of a rural region)] Cherniavskiĭ SV. Zdravookhr Ross Fed 15:14-5, Feb 71 (Rus)
[Experience with the organization of specialized medical services to the rural population of Kuzbass] Skladchikova EN. Zdravookhr Ross Fed 15:18-21, Mar 71 (Rus)
[Genetic and demographic study in Caleu] Blanco R, et al. Rev Med Chil 99:139-44, Feb 71 (Spa)

RUTHENIUM (D1)

Structure of aortic elastic fiber: an electron microscopic study with special reference to staining by ruthenium red. Yu SY, et al. J Electron Microsc (Tokyo) 19:362-70, 1970
Ruthenium red-stained coat of normal and simian virus 40-transformed cells. Vorbrodt A, et al. J Natl Cancer Inst 43:1241-8, Dec 69
[Electron microscopic findings using ruthenium red in the juxtaglomerular apparatus] Cossel L. Virchows Arch [Pathol Anat] 353:289-301, 1971 (Ger)
[Electron microscopic observations on connective tissues using ruthenium red staining] Kajikawa K, et al. J Electron Microsc (Tokyo) 19:347-54, 1970 (Jap)

METABOLISM

Initial uptake, distribution and loss of soluble 106 Ru in marine and freshwater organisms in laboratory conditions. Van Der Borght O, et al. Health Phys 19:801-11, Dec 70
Use of 103Ru-labelled tris (1,10-phenanthroline) ruthenium (II) chloride as a marker in digestion studies with sheep. Tan TN, et al. Int J Appl Radiat Isot 22:301-8, May 71

PHARMACODYNAMICS

Specific inhibition of mitochondrial Ca++ transport by ruthenium red. Moore CL. Biochem Biophys Res Commun 42:298-305, 22 Jan 71

RUTIN (D11)

[On amino-liberating properties of O-hydroxyethyl derivatives of rutoside] Lecomte J, et al. Arch Int Pharmacodyn Ther 187:284-90, Oct 70 (Fre)
[Aminomethylation reaction of rutin and quercetin] Domagalina E, et al. Ann Univ Mariae Curie Sklodowska [Med] 24:53-60, 1969 (Pol)

ADVERSE EFFECTS

[Comparative animal experimental studies on the concretion-forming effect of diverse Rutin preparations] Pfeifer K, et al. Dtsch Gesundheitsw 25:386-91, 5 Mar 70 (Ger)

ANALYSIS

Variation in sterols, alkaloids, and polyphenols of two Nicotiana varieties under different nitrogen fertilization and drying processes. Grunwald C, et al. J Agric Food Chem 19:216-21, Mar-Apr 71
[Determination of rutin in ascorutin tablets] Iurova NG. Farmatsiia 19:80-3, Nov-Dec 70 (Rus)
[Determination of rutin aerosols in the air] Nul'man FS, et al. Gig Sanit 36:59-60, 1971 (Rus)
[Spectrophotometric method for the quantitative determination of rutin in urutin] Koget TO. Farm Zh 26:72-4, Jan-Feb 71 (Ukr)
[Chemical study of flavonoids from the leaves of Sapindus Mukorossi Gaerth] Zikova NIa, et al. Farm Zh 25:43-5, 1970 (Ukr)

BLOOD

[Effect of vitamin P on the capillary permeability and its place in the blood of women with late pregnancy toxemias] Iseev MKh. Pediatr Akush Ginekol 2:41-2, Mar-Apr 70 (Ukr)

ISOLATION & PURIFICATION

A simple method for the assay of rutin. Maiti SP, et al. Bull Calcutta Sch Trop Med 18:44-5, Apr 70

METABOLISM

Identification of products produced by the anaerobic degradation of rutin and related flavonoids by Butyrivibrio sp. C3. Krishnamurty HG, et al. Can J Microbiol 16:759-67, Aug 70
Degradation of rutin by Aspergillus flavus. Purification of the dioxygenase, querecentinase. Oka T, et al. Can J Microbiol 17:111-8, Jan 71

PHARMACODYNAMICS

Effect of rutin derivatives on diuresis. An experimental study in rats and dogs. Birnbaum D, et al. Arzneim Forsch 21:676-9, May 71
Effects of phenyl benzo-gamma-pyrone derivatives (flavonoids) on blood cell aggregation: basis for a concept of mode of action. Robbins RC. Clin Chem 17:433-7, May 71
[Action of O-(beta-hydroxyethyl)-rutoside (HR) on chick embryo fibroblasts cultured in vitro] Gotzos V, et al. Arch Anat Microsc Morphol Exp 60:133-45, Apr-Jun 71 (Fre)
[On the amino-liberator power of hydroxyethyl derivatives of rutoside in the rat] Lecomte J. Arch Int Physiol Biochim 78:557-8, Aug 70 (Fre)
[On the vascular permeability induced in the rat by means of O-hydroxyethylated derivatives of rutoside] Lecomte J, et al. C R Soc Biol (Paris) 164:1165-7, 1970 (Fre)
[Histamine-liberating properties of O-hydroxyethylated derivatives of rutoside in the dog] Lecomte J. C R Soc Biol (Paris) 164:1163-5, 1970 (Fre)
[Hydroxyethylated derivatives of rutoside do not liberate tissue histamine in humans] Mélon J, et al. C R Soc Biol (Paris) 164:687-9, 1970 (Fre)
[Effect of Esberiven forte on lymph flow in the human thoracic duct] Bartoš V, et al. Med Klin 65:1701-3, 25 Sep 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Modification of blood coagulation by O-(-hydroxyethyl)rutosides] Goossens N.
Med Welt 35:1520-5, 29 Aug 70 (Ger)
[On changes in vascular dynamics of the lower extremities induced with an association of drugs in patients with phlebopathies. (Peroperative rheographic findings)] Rizzi B, et al.
Minerva Cardioangiol 19:369-75, Jul 71 (Ita)
[Change in the free radical state of plant tissues under the effect of inhibitors of free radical reactions] Reunov AV, et al. Biofizika 15:863-6, Sep-Oct 70 (Rus)
[The effect of noradrenaline, acetylcholine, lidase and rutamine on the duration of the intravascular period of the life of granulocytes] Filiushina ZG.
Biull Eksp Biol Med 65:26-8, 1968 (Rus)

THERAPEUTIC USE

Effect of hydroxyethylrutosides on blood oxygen levels and venous insufficiency symptoms in varicose veins.
McEwan AJ, et al. Br Med J 2:138-41, 17 Apr 71
Diabetic retinopathy: study of the action of O-betahydroxyethyl-rutosides (HR) by retinal fluoresceinography. Tschopp M, et al.
Diabetologia 6:475-81, Oct 70
Paroven. Drug Ther Bull 8:90-1, 6 Nov 70
A clinical trial of trihydroxyethylrutoside ("Varemoid") in the treatment of haemorrhoids. Syke TR. Med J Aust 1:106, 9 Jan 71
A clinical trial of trihydroxyethylrutoside ("varemoid") in the treatment of haemorrhoids. Thorp RH, et al. Med J Aust 2:1076-8, 5 Dec 70
[Clinical trial of Ercevit P] Sourreil P, et al.
Bord Med 4:1681-92, May 71 (Fre)
[Value of the use of Ercevit P as an adjuvant in the surgical treatment of varicose veins of the lower limbs and in hemorrhoids] Roghi T, et al.
Phlebologie 23:365-75, Oct-Dec 70 (Fre)
[Ginkor in common proctology. Apropos of 36 cases] Parnaud E. Therapeutique 47:483-6, May 71 (Fre)
[The influence of O-(beta-hydroxyethyl)-rutoside on the experimental edema of the brain] Stern P.
Aerztl Forsch 24:306-9, 10 Oct 70 (Ger)
[Therapeutic effect of rutin and coumarin in experimental thrombophlebitis] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1629+, Nov 70 (Ger)
[Histological changes in guinea pig lungs following inhalation of irritating gas and radiation and their treatment with 0-(-hydroxyethyl)-rutoside] Otte W, et al. Arzneim Forsch 21:905-14, Jul 71 (Ger)
[Clinical ophthalmodynamographic results of the treatment of cerebral circulation disorders with O-(beta-hydroxyethyl)-rutoside] Tzavellas O.
Arzneim Forsch 20:1187-90, Sep 70 (Ger)
[Clinical experience report on veno-hexanicit] Graf von Spreti HJ. Med Monatsschr 24:316-8, Jul 70 (Ger)
[Treatment of thrombophlebitis] Vargha A.
Med Monatsschr 24:420-2, Sep 70 (Ger)
[Treatment of hemoohoids with varecort] Zala L.
Praxis 59:1138-40, 4 Aug 70 (Ger)
[Experimental-clinical study for demonstration of drug effects in peripheral circulatory disorders] Fouad Z.
Z Allgemeinmed 47:1009-11, 10 Jul 71 (Ger)
[Therapy of effects of chronic venous insufficiency] Müller KH. Z Allgemeinmed 47:1012-3, 10 Jul 71 (Ger)
[Studies on the effect of flavonoids on ultraviolet erythema in pigs] Kment A, et al.
Z Tierphysiol 23:159-68, Dec 67 (Ger)
[Angiopathy and hemorrhagic diathesis in chronic alcoholism. Etiopathogenetic and therapeutic considerations] Madeddu A, et al.
Arch Sci Med (Torino) 126:490-9, Aug 69 (Ita)
[Clinical testing of 2 drugs with angiotrophic and regulatory action on vascular metabolism in hypertensive myocardioangiosclerosis] Puleo F, et al.
G Gerontol 18:1133-8, Dec 70 (Ita)
[On prolonged treatment of phlebopathic patients with a combination of vasoactive and vasoprotective drugs. Rheographic study] Rizzi B, et al.
Minerva Cardioangiol 19:73-85, Feb 71 (Ita)
[Trends in prevention and therapy of phlebopathies in obstetrics and gynecology] Zichella L, et al.
Minerva Ginecol 22:330-8, 31 Mar 70 (Ita)
[Therapeutic trials and laboratory results in psoriasis treated with products with normolipemic and eudermic action] Guarneri B.
Minerva Med 62:691-4, 21 Feb 71 (Ita)
[Treatment of phlebopathies in pregnancy and puerperium with a new combination drug] Autera C.
Riv Ostet Ginecol 24:334-42, Nov 69 (Ita)
[Treatment with Sandoven of certain skin diseases connected with the blood vessel system] Wanic A.
Pol Tyg Lek 26:23-6, 4 Jan 71 (Pol)
[Verification of the therapeutic action of Sandoven in hemorrhoid patients] Gus P, et al.
Hospital (Rio de J) 78:823-33, Sep 70 (Por)
[Results of DRA 363 treatment of patients with lesions of vascular origin in the lower extremities] Murat A.
Tip Fak Mecm 33:633-42, 1969 (Tur)

RYE see under GRAIN (B6, J)

SABIN VACCINE see under POLIOVIRUS

VACCINE, ORAL (D12)

SACCHARIN (D13)

Intravascular taste in rats as demonstrated by conditioned aversion to sodium saccharin. Bradley RM, et al. J Comp Physiol Psychol 75:186-9, May 71
Long-range two-choice saccharin and water consumption in rats. Strouthes A.
J Comp Physiol Psychol 73:123-34, Oct 70
Hormonal and developmental influences on rat saccharin preferences. Wade GN, et al.
J Comp Physiol Psychol 69:291-300, Oct 69
Comparative rodent preferences for artificial sweeteners. Wagner MW.
J Comp Physiol Psychol 75:483-90, Jun 71

ADVERSE EFFECTS

Artificial sweeteners as urinary bladder carcinogens. Bryan GT, et al.
Arch Environ Health 23:6-12, Jul 71 (46 ref.)
Safe sweetener. Arch Intern Med 126:576, Oct 70

CHEMICAL SYNTHESIS

Terminal dicarboximido analogs of S-2-(omega-aminoalkylamino)ethyl dihydrogen phosphorothioates and related compounds as potential antiradiation agents. 1. Phthalimides and saccharins. Piper JR, et al.
J Med Chem 14:345-50, Apr 71

METABOLISM

Saccharin metabolism in Macaca mulatta. Pitkin RM, et al. Proc Soc Exp Biol Med 137:803-6, Jul 71

TOXICITY

Toxicological studies with sodium cyclamate and saccharin. Taylor JD, et al.
Food Cosmet Toxicol 6:313-27, Oct 68
The synthetic sweeteners--toxicity problems and current status. Colaizzi JL.
J Am Pharm Assoc 11:135-7, Mar 71
[Saccharin and sodium cyclamate toxicity for the offspring of pregnant mice] Lederer J, et al.
Diabete 17:103-6, Apr-Jun 69 (Fre)

SACCHAROMYCES (B5)

A method for studying phagocytosis with 51Cr-labelled yeast cells. Nordenfelt E.
Acta Pathol Microbiol Scand [B] 78:247-52, 1970
Some biochemical and morphological characteristics of certain bottom fermentation yeast strains. Bendová O. Antonie van Leeuwenhoek 35:Suppl:F13, Jun 69
Preparation of a monospecific anti-Saccharomyces carlsbergensis serum for the biological quality control. Klaushofer H, et al.
Antonie van Leeuwenhoek 35:Suppl:F43-4, Jun 69
Gene conversion of nonsense suppressors in Saccharomyces. Mortimer RK, et al.
Antonie van Leeuwenhoek 35:Suppl:C23-4, Jun 69
Studies on the aggregation of yeasts caused by lactobacilli. Tonolke R, et al.
Antonie van Leeuwenhoek 35:Suppl:D1, Jun 69
Disaggregation of giant "DNA-like RNA" of yeast by denaturation in the presence of formaldehyde. De Kloet SR, et al.
Biochem Biophys Res Commun 40:454-60, 27 Jul 70
Mitochondrial DNA deficient petite mutatios of yeast. Nagley P, et al.
Biochem Biophys Res Commun 39:989-96, 5 Jun 70
Anticodon structure of GAA-specific glutamic acid tRNA from yeast. Yoshida M, et al.
Biochem Biophys Res Commun 39:852-7, 5 Jun 70
Comparative studies on mammalian and yeast phenylalanine transfer ribonucleic acids. Fink LM, et al. Biochemistry 10:1873-8, 11 May 71
Sephadex chromatographic studies on the occurrence and the removal of aggregations during the purification of yeast serine transfer RNA by countercurrent distribution. Haeffner EW.
Biochim Biophys Acta 238:429-38, 27 May 71
Genetic evidence for 'Darwinian' selection at the molecular level. I. The effect of the suppressive factor on cytoplasmically-inherited erythromycin-resistance in Saccharomyces cerevisiae. Rank GH.
Can J Genet Cytol 12:129-36, Mar 70
Genetic evidence for 'Darwinian' selection at the molecular level. II. Genetic analysis of cytoplasmically-inherited high and low suppressitivity in Saccharomyces cervisiae. Rank GH.
Can J Genet Cytol 12:340-6, Jun 70
Effect of yeast sexual hormones on elongation of Avena coleoptile. Masuda Y, et al.
Dev Growth Differ (Nagoya) 12:207-15, Dec 70
Molecular weight of bakers yeast beta-hydroxy-beta-methylglutaryl coenzyme A reductase by molecular sieve chromatography. Noble CM, et al. Enzymologia 40:8-14, 31 Jan 71
The effect of temperature and ionic strength of the electrophoretic mobility of yeast mitochondrial RNA. Grivell LA, et al. Eur J Biochem 19:64-72, 1 Mar 71
The tolerance of aneuploidy in yeast. Parry EM, et al.
Genet Res 16:333-40, Dec 70
Allelism tests among various homothallism-controlling genes and gene systems in Saccharomyces. Takano I, et al. Genetics 64:229-38, Feb 70
Mutational nature of an allele-specific conversion of the mating type by the homothallic gene HO alpha in Saccharomyces. Takano I, et al.
Genetics 65:421-7, Jul 70
Chitin and yeast budding. Allosteric inhibition of chitin synthetase by a heat-stable protein from yeast. Cabib E, et al. J Biol Chem 246:167-73, 10 Jan 71
Comparison of the morphology, fermentation, assimilation, lipid content and mannans of rough and smooth strains of Saccharomyces cerevisiae. Masler L, et al. J Gen Microbiol 65:185-91, Feb 71
Genetic control of the cell division cycle in yeast. II. Genes controlling DNA replication and its initiation. Hartwell LH.
J Okla State Dent Assoc 59:183-94, 14 Jul 71
Fidelity of meiotic gene conversion in yeast. Foge S, et al. Mol Gen Genet 109:177-85, 1970
The interaction between diepoxybutane and ultraviolet light in yeast. II. Experiments with UV-sensitive and resistant strains. Kilbey BJ.
Mutat Res 10:525-31, Dec 70
Structure of aspartate-tRNA from brewer's yeast. Gangloff J, et al.
Nature [New Biol] 230:125-6, 24 Mar 71
Biogenesis of mitochondria. 18. A new class of cytoplasmically determined antibiotic resistant mutants in Saccharomyces cerevisiae. Bunn CL, et al.
Proc Natl Acad Sci USA 67:1233-40, Nov 70
Properdin level changes as related to the appearance of metastases. Kubović M.
Progr Immunobiol Stand 4:483-6, 1970
The effect of environmental and genetic factors on the replication of mitochondrial DNA in yeast. Williamson DH. Symp Soc Exp Biol 23:247-76, 1970
[Uncommon saprophyte of the female vagina: Saccharomyces cerevisiae, Hansen 1833] Nicoli RM, et al.
Ann Parasitol Hum Comp 45:517-21, Jul-Aug 70 (Fre)
[Characteristics of a homothallic mutant of Saccharomyces cerevisiae Hansen] Arnaud A, et al.
Can J Microbiol 17:425-8, Mar 71 (Fre)
[A new very simple preparation method for stable L-(+)-lactate dehydrogenase of high activity using baker's yeast] Traub F.
Acta Biol Med Ger 24:415-9, 1970 (Ger)
[Treatment of multiple sclerosis with Lyoproper] Aschoff JC, et al. Med Klin 66:1055-8, 23 Jun 71 (Ger)
[Possible treatment of papillomatosis in cattle] Weigel H. Monatsh Vet Med 26:220-1, 15 Mar 71 (Ger)
[Does the "baker's yeast" pass through intact intestinal wall? Experimental contribution on the problem of persorption of living yeasts] Körte C, et al.
Mykosen 11:919-22, 1 Dec 68 (Ger)
[Two plants as energy-producing substances for animals: California algae and a live saccharomycete as new integrators for fodder] Vittoria A.
Acta Med Vet (Napoli) 16:363-402, Sep-Dec 70 (Ita)
[On a possible interpretation of the "flor" effect in yeasts] Castelli T, et al. Ric Sci 38:1267-9, Dec 68 (Ita)
[Controlled trial at Proper-myl treatment in multiple sclerosis] Cendrowski W, et al.
Neurol Neurochir Pol 5:217-20, 1971 (Pol)
[Influence of organic material in suspension on the toxicity of Frescon] Souza CP de, et al.
Rev Bras Malariol Doencas Trop 22:417-21, Apr-Dec 70 (Por)
[Change of the form of EPR signal gav 2.03 biological objects in relation to the conditions of signal recording] Chetverikov AG, et al.
Biofizika 14:932-6, Sep-Oct 69 (Rus)
[Fluorescing dyes as a means of revealing electric charges on the surface of and inside microbial cells] Kononenko AP, et al.
Biofizika 14:187-9, Jan-Feb 69 (Rus)
[Endogenous nitrosyl complexes of heme and non-heme iron in microorganisms and animal tissues] Vanin AF, et al. Biofizika 16:650-6, Jul-Aug 71 (Rus)
[Yeasts found in the vineyards of western Georgia] Arabidze GV.
Mikrobiologiia 38:732-5, Jul-Aug 69 (Rus)
[Eutectic temperature of yeast suspensions during freezing, thawing and lyophilization] Fateeva MV, et al. Mikrobiologiia 39:958-64, Nov-Dec 70 (Rus)
[Antiviral action of yeast RNA derivatives alone and in combination with polycations] Aksenov OA, et al.
Vestn Akad Med Nauk SSSR 25:51-8, 1970 (Rus)

ANALYSIS

Content and structure of chitin in cell walls of the yeast Saccharomyces cerevisiae. Beran K, et al.
Antonie van Leeuwenhoek 35:Suppl:B3-4, Jun 69
Lipids and structural protein of mitochondria from wild-type yeast and a mutant deficient in oxidative

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

phosphorylation. Kováč L, et al.
Antonie van Leeuwenhoek 35:Suppl:G11-2, Jun 69
Changes in chemical and enzymatic composition during enzymatic digestion of isolated yeast cell walls containing plasma membrane. Nurminen T, et al.
Antonie van Leeuwenhoek 35:Suppl:I13-4, Jun 69
Phosphorus compounds of radioresistant and radiosensitive yeasts. Pomoshnikova NA.
Antonie van Leeuwenhoek 35:Suppl:B21-2, Jun 69
Constancy of the cell wall mannan structure of Saccharomyces cerevisiae. Thieme TR, et al.
Biochem Biophys Res Commun 39:621-5, 22 May 70
Characterization of messenger-like ribonucleic acid from Saccharomyces cerevisiae by the use of chromatography on methylated albumin-kieselguhr. Johnson R. Biochem J 119:699-706, Oct 70
Fractionation of the nonpolar transfer ribonucleic acids from rat liver, yeast, and Escherichia coli by partition chromatography. Wehrli W, et al.
Biochemistry 10:1878-85, 11 May 71
A two-dimensional thin-layer chromatographic system for phospholipid separation. The analysis of yeast phospholipids. Getz GS, et al.
Biochim Biophys Acta 218:441-52, 15 Dec 70
A procedure for rapidly extracting and estimating the nuclear and cytoplasmic DNA components of yeast cells. Williamson DH, et al.
Biochim Biophys Acta 238:369-74, 13 May 71
Fractionation of tRNA on hydroxyapatite. Zimmer A, et al. Bull Soc Chim Biol (Paris) 52:867-72, 1970
The sequence distribution of O-2'-methylribose in yeast ribosomal RNA. Lau RY, et al.
Can J Biochem 49:431-6, Apr 71
Chemical nature of yeast sexual hormones. Takao N, et al. Dev Growth Differ (Nagoya) 12:199-205, Dec 70
Evidence for a surface protein layer on the Saccharomyces cerevisiae ascospore. Briley MS, et al.
J Bacteriol 104:588-9, Oct 70
Isolation and properties of a new species of ribonucleic acid synthesized in sporulating cells of Saccharomyces cerevisiae. Kadowaki K, et al.
J Bacteriol 105:831-6, Mar 71
Small ribosomal ribonucleic acid species of Saccharomyces cerevisiae. Udem SA, et al.
J Bacteriol 105:101-6, Jan 71
Cardiolipin content of wild type and mutant yeasts in relation to mitochondrial function and development. Jakovcic S, et al. J Cell Biol 48:490-502, Mar 71
Crystallization of yeast phenylalanine transfer ribonucleic acid. Cramer F, et al.
J Mol Biol 51:523-30, Aug 70
The relationship of gene structure and protein structure of iso-1-cytochrome c from yeast. Sherman F, et al. Symp Soc Exp Biol 23:85-107, 1970
[Isolation of highly purified tRNAtry and tRNAasp from brewer's yeast] Keith G, et al.
Bull Acad R Med Belg 9:123-5, 1969 (Fre)
[Composition and distribution of lipids within cells of Saccharomyces cerevisiae] Baraud J, et al.
Bull Soc Chim Biol (Paris) 52:421-32, 1970 (Fre)
[Isolation of guanine-rich oligoribonucleotides from preparations of yeast nucleic acids] Piperno G, et al.
Bull Soc Chim Biol (Paris) 52:885-9, 1970 (Fre)
[Isolation of mitochondria of the cytoplasmic mutant with respiratory deficiency of Saccharomyces cerevisiae] Petzuch M.
C R Acad Sci [D] (Paris) 273:105-8, 5 Jul 71 (Fre)
[Method for the determination of cytochrome concentrations in whole yeast cells] Claisse ML, et al.
Eur J Biochem 16:430-8, Nov 70 (Fre)
[Gamma satellite DNA and small twisted circular molecules in yeast Saccharomyces cerevisiae] Stevens BJ, et al. Exp Cell Res 64:259-66, Feb 71 (Fre)
[Isolation of valine tRNA1 from baker's yeast] Vasilenko SK, et al.
Biokhimiia 35:424-9, May-Jun 70 (Rus)
[Composition of nucleic acids in distant hybrids of yeasts] Khoroshutina EB, et al.
Mikrobiologiia 40:490-4, May-Jun 71 (Rus)

CLASSIFICATION

Serological classification of Saccharomyces spp. Campbell I.
Antonie van Leeuwenhoek 35:Suppl:A19-20, Jun 69
The taxometric study of the genus Saccharomyces (Meyen) Reess. Kocková-Kratochvílová.
Antonie van Leeuwenhoek 35:Suppl:A15-6, Jun 69
Spanish "flor" yeasts. Maria JS.
Antonie van Leeuwenhoek 35:Suppl:D13-4, Jun 69
Genetical classification of riboflavineless mutants of Saccharomyces cerevisiae. Oltmanns O, et al.
Antonie van Leeuwenhoek 35:Suppl:J13, Jun 69
Systematics of the genera Torulopsis, Debaryomyces and Metschnikowia. Proton magnetic resonance spectra of the mannans as an aid in classification. Spencer JF, et al.
Antonie van Leeuwenhoek 35:Suppl:A5-6, Jun 69
Comparison of serological and physiological classification of the genus Saccharomyces. Campbell I. J Gen Microbiol 63:189-98, Oct 70
[Monospore culture analysis: complementing criteria in yeast classification] Sedlárová L.
Arch Mikrobiol 77:281-7, 1971 (Ger)
Comparative taxonomy of the genus Streptomyces (Meyen) Reess] Kocková-Kratochvílová, et al.
Z Allg Mikrobiol 11:35-8, 1971 (Ger)
[Variability of the biochemical characteristics used in the taxonomy of Saccharomyces] Naumov GI, et al.
Usp Sovrem Biol 70:315-24, Nov-Dec 70 (53 ref.) (Rus)

CYTOLOGY

Origin of the intravacuolar granules in yeast. Hirano T.
Antonie van Leeuwenhoek 35:Suppl:B17-8, Jun 69
Aggregation of solubilised yeast membranes. Indge KJ, et al.
Antonie van Leeuwenhoek 35:Suppl:B19-20, Jun 69
Prospects of yeast cytology. Matile P.
Antonie van Leeuwenhoek 35:Suppl:59-70, Jun 69
Contribution to the structure of the cell wall in the area of the bud scar in Saccharomyces cerevisiae. Seichertová O, et al.
Antonie van Leeuwenhoek 35:Suppl:B13-4, Jun 69
Scar formation in the course of the life cycle of Saccharomyces cerevisiae. Streiblová E.
Antonie van Leeuwenhoek 35:Suppl:B5-6, Jun 69
Ribosomes of Saccharomyces cerevisiae, strain LK2G12, and of other yeasts. Chao FC, et al.
Arch Biochem Biophys 141:511-8, Dec 70
An electron microscopic study of bud development in Saccharomycodes ludwigii and Saccharomyces cerevisiae. Gay JL, et al.
Arch Mikrobiol 78:145-57, 1971
The separation of beta-glucanases produced by Cytophaga johnsonii and their role in the lysis of yeast cell walls. Bacon JS, et al. Biochem J 120:67-78, Nov 70
Separation of mitochondrial and cytoplasmic peptide chain elongation factors from yeast. Richter D, et al.
Biochemistry 9:5065-70, 22 Dec 70
Virus-like particles in abnormal cells of Saccharomyces carlsbergensis. Volkoff O, et al.
Can J Genet Cytol 12:621-6, Sep 70
Fine structure of ascospore development in the yeast Saccharomyces cerevisiae. Moens PB.
Can J Microbiol 17:507-10, Apr 71
Specific dissociation of ribosomes from Saccharomyces cerevisiae by a protein factor. Pétre J.
Eur J Biochem 14:399-405, Jul 70
Characterization of a 72 S mitochondrial ribosome from Saccharomyces cerevisiae. Schmitt H.
Eur J Biochem 17:278-83, Dec 70
Interpretation of surface structures in frozen-etched protoplasts of yeasts. Nečas O, et al.
Exp Cell Res 58:411-9, Dec 69
Conditional mutants of meiosis in yeast. Esposito MS, et al. J Bacteriol 104:202-10, Oct 70
Cytochemical localization of catalase activity in yeast peroxisomes. Hoffmann HP, et al.
J Bacteriol 104:581-4, Oct 70
Characteristic patterns observed in electron microscopic photos of negatively stained yeast 80S ribosomes. Funakoshi H, et al.
J Biochem (Tokyo) 70:201-4, Jul 71
Grooves in the plasmalemma of Saccharomyces cerevisiae seen in glancing sections of double aldehyde-fixed cells. Ghosh BK.
J Cell Biol 48:192-7, Jan 71
Identification of ten genes that control ribosome formation in yeast. Hartwell LH, et al.
Mol Gen Genet 109:42-56, 1970
Characterization of mitochondrial ribosomes from yeast. Moriooto H, et al.
Proc Natl Acad Sci USA 68:324-8, Feb 71
[Formation of compartments in starved cells of Saccharomyces cerevisiae] Hinkelmann W, et al.
Arch Mikrobiol 74:258-72, 1970 (Ger)
[Isolation conditions for cell nuclei from yeast protoplasts] May R.
Z Allg Mikrobiol 11:131-42, 1971 (Ger)
[Effect of inhibitors of protein synthesis on mitochondrial structure during aerobic adaptation of yeasts] Metlitskaia AZ, et al.
Mikrobiologiia 40:327-31, Mar-Apr 71 (Rus)

DRUG EFFECTS

Studies on dithranol and dithranol-like compounds. II. Mutagenicity. Zetterberg G, et al.
Acta Derm Venereol (Stockh) 51:45-9, 1971
Cytolysis of yeast cells, caused by dimethylsulfoxide. Bruijne AW de, et al.
Antonie van Leeuwenhoek 35:Suppl:I5-6, Jun 69
Ethylenediamine tetraacetic acid. A new biological preservative for beer. Kleyn JG.
Antonie van Leeuwenhoek 35:Suppl:F41-2, Jun 69
Action of ribonuclease on growth, synthesis of cell wall and ultrastructure in yeast protoplasts and cells. Kopecká M, et al.
Antonie van Leeuwenhoek 35:Suppl:B9-10, Jun 69
Inhibition by sodium and lithium in osmophilic yeasts. Rodréguez-Navarro A.
Antonie van Leeuwenhoek 37:225-31, 1971
Response of yeast protoplasts to 2-deoxyglucose. Svoboda A, et al.
Antonie van Leeuwenhoek 35:Suppl:B11-2, Jun 69
Amino acid-induced inhibition and stimulation of Saccharomyces carlsbergensis. I. Variations in the response to pantothenic acid induced by casein hydrolysate. Waller JR.
Appl Microbiol 20:857-60, Dec 70
Cytoplasmic inheritance of oligomycin and rutamycin resistance in yeast. Stuart KD.
Biochem Biophys Res Commun 39:1045-51, 1970
Preferential inhibition of respiration in Saccharomyces cerevisiae by chlorimipramine. Correlation with chlorpromazine. Hughes AR, et al.
Biochem Pharmacol 19:2555-60, Sep 70
A comparative study of in vivo inhibition of mitochondrial function in Saccharomyces cerevisiae by tricyclic and other centrally-acting drugs. Linstead D, et al. Biochem Pharmacol 20:839-46, Apr 71
Susceptibility of the cell walls of some yeasts to lysis by enzymes of Helix pomatia. Brown JP.
Can J Microbiol 17:205-8, Feb 71
Microviscosity and calcium exchange in yeast cells and effects of phenethyl alcohol. Burns VW.
Exp Cell Res 64:35-40, Jan 71
The effect of 5-fluorouracil on cells and regenerating protoplsts of Saccharoyces cerevisiae. Sošková L, et al. Folia Microbiol (Praha) 15:442-7, 1970
Aspects of the mechanism of action of some cephalosporins. Russell AD, et al.
J Bacteriol 106:65-9, Apr 71
Disruption of yeast membranes by methylphenidate. Spoerl E. J Bacteriol 105:1168-74, Mar 71
Influence of the concentration of glucose and galactose on the physiology of Saccharomyces cerevisiae in continuous culture. Brown CM, et al.
J Gen Microbiol 64:279-87, Dec 70
Effects of sodium chloride on steady-state growth and metabolism of Saccharomyces cerevisiae. Watson TG.
J Gen Microbiol 64:91-9, Nov 70
Induction of the cytoplasmic petite mutation in Saccharomyces cerevisiae by antibacterial antibiotics. Williamson DH, et al.
J Gen Microbiol 63:7-8, Nov 70
The petite mutation in yeast. Loss of mitochondrial deoxyribonucleic acid during induction of petites with ethidium bromide. Goldring ES, et al.
J Mol Biol 52:323-35, 14 Sep 70
Induction of the cytoplasmic petite mutation in Saccharomyces cerevisiae by the antibacterial antibiotics erythromycin and chloramphenicol. Williamson DH, et al. Mol Gen Genet 111:209-23, 1971
Action of acriflavine on growth and mutation in yeast. I. Nitrogen sources affecting the mutation induction. Arakatsu Y. Mutat Res 12:235-48, Jul 71
Inhibition of yeast multiplication by hypocholesteremic compounds and its annulment by lipids. Aaronson S.
Proc Soc Exp Biol Med 136:61-3, Jan 71
Analysis of mitochondrial drug resistance in Saccharomyces cerevisiae. Wilkie D.
Symp Soc Exp Biol 23:71-83, 1970
[Biochemical control of recombination in Saccharomyces cerevisiae. II. L-histidine inhibition of intragenic mitotic recombination at two unlinked loci] Henaut A, et al.
Mol Gen Genet 111:138-44, 1971 (Fre)
[Biochemical control of recombination in Saccharomyces cerevisiae. I. L-histidine inhibition of intragenic mitotic recombination at the ad 3 locus] Luzzati M, et al. Mol Gen Genet 111:120-37, 1971 (Fre)
[Polyene antibiotics and corticosteroids. Experiments with hamycin] Raab W, et al.
Arch Klin Exp Dermatol 238:436-42, 1970 (Ger)
[Changes in the potassium and sodium content of baker's yeast under the influence of drugs] Hameister W. Arzneim Forsch 20:1818-23, Nov 70 (Ger)
[The genetic effect of aromatic amines and their derivatives: induction of mytotic conversion in the yeast Saccharomyces cerevisiae] Marquardt H, et al.
Z Krebsforsch 74:412-33, 1970 (Ger)
[Microbiological evaluation of the antitoxic effects of hepatic extracts] Rizzotti Conti M.
Farmaco [Prat] 25:631-42, Oct 70 (Ita)
[The biologic activity of sodium chlorophyllin] Borisenko AN.
Biull Eksp Biol Med 66:68-70, 1968 (Rus)
[Lethal effect of p-aminobenzoic acid on Saccharomyces cartilaginosus] Surovtseva EG.
Mikrobiologiia 39:800-4, Sep-Oct 70 (Rus)
[Inhibition by p-aminobenzoic acid of the growth of yeasts of the species Torulopsis, Candida, and Saccharomyces] Surovtseva EG.
Mikrobiologiia 38:851-6, Sep-Oct 69 (Rus)
[Comparative study of the effects of cyanocobalamine, hydroxicobalamine and vitamin B12 coenzyme of the growth of Saccharomyces cerevisiae] Mundo Salvador A. Rev Clin Esp 116:349-54, 28 Feb 70 (Spa)

ENZYMOLOGY

The role of cysteine desulphhydrase and cysteine synthase in the evolution of hydrogen sulphide in pantothenic acid deficient yeast. Aida K, et al.
Antonie van Leeuwenhoek 35:Suppl:I15-6, Jun 69
Some aspects of catabolite repression of mitochondrial enzymes in Saccharomyces cerevisiae. Görts CP.
Antonie van Leeuwenhoek 37:161-9, 1971
Isolation and properties of an alpha-glucosidase in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

baker's yeast. Lövgren T.
Antonie van Leeuwenhoek 35:Suppl:I31-2, Jun 69
Repression and derepression of allantoinase synthesis in protoplasts of Saccharomyces carlsbergensis. Poll KW van de.
Antonie van Leeuwenhoek 35:Suppl:I7-8, Jun 69
Isolation of some glutathione-like compounds inhibiting induced alpha-glucosidase synthesis in Saccharomyces carlsbergensis. Slavenburg JH.
Antonie van Leeuwenhoek 35:Suppl:I9-10, Jun 69
Formal analysis of the ad2 complementation map in Saccharomyces cerevisiae. Soidla TR, et al.
Antonie van Leeuwenhoek 35:Suppl:C21-2, Jun 69
Studies on the enzymatic composition of osmophilic yeasts. Verachtert H, et al.
Antonie van Leeuwenhoek 35:Suppl:I19-20, Jun 69
Catabolite repression and lagtime during alpha-glucosidase synthesis in protoplasts of Saccharomyces carlsbergensis. Wijk R van.
Antonie van Leeuwenhoek 35:Suppl:I11-2, Jun 69
Interactions of uncoupling agents and of antimycin A with cytochrome b in yeast and heart muscle preparation under anaerobic conditions. Kovác L, et al. Arch Biochem Biophys 139:370-9, Aug 70
Carbonic anhydrase of microorganisms. I. An enzyme from baker's yeast which catalyzes the formation of carbamate from ammonium bicarbonate solutions. Shoaf WT 3d, et al.
Arch Biochem Biophys 139:130-42, Jul 70
The mitochondrial alcohol dehydrogenase of the yeast "Saccharomyces cerevisiae". Sugar J, et al.
Arch Int Physiol Biochim 78:1009-10, Dec 70
Fructose-1,6-diphosphatase, phosphofructokinase and glucose-6-phosphate dehydrogenase from fermenting and non fermenting yeasts. Gancedo JM, et al. Arch Mikrobiol 76:132-8, 1971
Spermidine synthesizing enzymes in baker's yeast. Janne J, et al.
Biochem Biophys Res Commun 43:1362-8, 18 Jun 71
Inhibition of transketolase by analogues of the coenzyme. Kochetov GA, et al.
Biochem Biophys Res Commun 43:1198-203, 4 Jun 71
Observations on yeast pyruvate kinase activity in vivo. Solomos T.
Biochem Biophys Res Commun 40:1076-83, 10 Sep 70
N6-(delta 2-isopentenyl) adenosine: a heterologous system for in vitro synthesis in E. coli B transfer RNA. Vickers JD, et al.
Biochem Biophys Res Commun 41:741-7, 9 Nov 70
Requirement for HCO3- by ATP: urea amido-lyase in yeast. Whitney PA, et al.
Biochem Biophys Res Commun 40:814-9, 24 Aug 70
The preparation of alcohol dehydrogenase and glyceraldehyde 3-phosphate dehydrogenase from baker's yeast. Butler PJ, et al.
Biochem J 118:375-8, Jul 70
The preparation and properties of yeast beta-fructofuranosidase chemically attached to polystyrene. Filippusson H, et al.
Biochem J 120:215-9, Nov 70
The alkylation of yeast hexokinase A. Jones JG.
Biochem J 119:20P, Sep 70
The lipolytic activities of the isolated cell envelope fractions of Baker's yeast. Nurminen T, et al. Biochem J 118:759-63, Aug 70
Threonine deaminases from Saccharomyces cerevisiae mutationally altered in regulatory properties. Betz JL, et al. Biochemistry 10:1818-24, 11 May 71
Magnetic resonance studies of the role of the divalent cation in the mechanism of yeast aldolase. Mildvan AS, et al. Biochemistry 10:1191-204, 30 Mar 71
Fluorescence and phosphorescence of yeast L-lactate dehydrogenase (cytochrome b2). Relative orientations of the prosthetic heme and flavin. Risler JL. Biochemistry 10:2664-9, 6 Jul 71
Role of metals in the class II aldolases. Spectral studies of cobalt yeast aldolase. Simpson RT, et al.
Biochemistry 10:2466-70, 22 Jun 71
Properties of a polyriboadenylate polymerase isolated from yeast ribosomes. Twu JS, et al.
Biochemistry 10:1576-82, 27 Apr 71
Metabolic compartmentation at the molecular level: the function of a multienzyme aggregate in the pyrimidine pathway of yeast. Lue PF, et al.
Biochim Biophys Acta 220:365-72, 16 Dec 70
The reduction of sulphite, nitrite and hydroxylamine by an enzyme from baker's yeast. Prabhakararao K, et al. Biochim Biophys Acta 216:122-9, 4 Aug 70
Studies on a role of the 2,3-diphosphoglycerate phosphatase activity in the yeast phosphoglycerate mutase reaction. Sasaki R, et al.
Biochim Biophys Acta 227:595-607, 10 Mar 71
Comparative properties of 2,3-oxidosqualene-lanosterol cyclase from yeast and liver. Shechter I, et al.
Biochim Biophys Acta 220:463-8, 16 Dec 70
The biosynthesis of thiamine. A yeast enzyme system which converts 2-methyl-4-amino-5-aminomethylpyrimidine to 2-methyl-4-amino-5-hydroxymethylpyrimidine. Wei R, et al. Biochim Biophys Acta 230:253-7, 23 Feb 71
Mitochondrial alcohol dehydrogenase from Saccharomyces cerevisiae. Wenger JI, et al.
Biochim Biophys Acta 227:479-90, 10 Mar 71
Studies on the influence of thiamine on the synthesis of thiamine pyrophosphate-dependent enzymes in Saccharomyces cerevisiae. Witt I, et al.
Biochim Biophys Acta 215:323-32, 14 Aug 70
Studies on yeast sulfite reductase. 3. Further characterization. Yoshimoto A, et al.
Biochim Biophys Acta 220:190-205, 11 Nov 70
Baker's yeast crystalline cytochrome b 2 : improved preparation and electrophoresis studies of subunit constitution. Spyridakis A, et al.
Biochimie 53:195-205, 1971
Correlation between the respiratory enzymes and catalase synthesis in yeast. Pachecka J, et al.
Bull Acad Pol Sci [Biol] 19:17-21, 1971
Aspartyl transfer ribonucleic acid synthetase from bakers' yeast. Diller RF, et al.
Can J Biochem 49:822-8, Jul 71
Aggregation states of a regulatory enzyme complex catalyzing the early steps of pyrimidine biosynthesis in bakers' yeast. Lue PF, et al.
Can J Biochem 49:403-11, Apr 71
Regulation of pyruvate kinase by fructose 1,6-diphosphate in Saccharomyces cerevisiae. Barwell CJ, et al. Eur J Biochem 18:59-64, 1 Jan 71
Subunits of bakers' yeast cytochrome b2 (L-lactate cytochrome c oxidoreductase). 2. End groups and origin of microheterogeneity. Lederer F, et al.
Eur J Biochem 20:475-81, 29 Jun 71
Subunits of bakers' yeast cytochrome b2 (L-lactate cytochrome c oxidoreductase). 1. Separation, molecular weight and amino acid analysis. Lederer F, et al. Eur J Biochem 20:469-74, 29 Jun 71
Effect of glucose, galactose, and different nitrogen-sources on the activity of yeast glutamate dehydrogenase (NAD and NADP-linked) from normal strain and impaired respiration mutant. Nuñez de Castro I, et al. Eur J Biochem 16:567-70, Nov 70
A comparison of five genetically distinct invertases from Saccharomyces. Some enzymatic characteristics. Ottolenghi P. Eur J Biochem 18:544-52, Feb 71
The release of extracellular enzymes from yeast by "osmotic shock". Schwencke J, et al.
Eur J Biochem 21:137-43, 15 Jul 71
Isoforms of baker's yeast transketolase. Kochetov GA, et al. Experientia 26:1067-8, 15 Oct 70
Purification of threonine dehydratase from yeast. Katsunuma T, et al.
Hoppe Seylers Z Physiol Chem 352:515-6, Mar 71
Tryptic and chymotryptic peptides of yeast pyruvate decarboxylase and their chromatographic separation after dansylation. Kremer B, et al.
Hoppe Seylers Z Physiol Chem 352:189-94, Feb 71
Purification and properties of adenosine kinase from dried brewer's yeast. Leibach TK, et al.
Hoppe Seylers Z Physiol Chem 352:328-44, Mar 71
[Localization of fatty acid synthetase in the yeast cell] Pirson W, et al.
Hoppe Seylers Z Physiol Chem 352:797-804, Jun 71
A new gene cluster in yeast: the fatty acid synthetase system. Schweizer E, et al.
Hoppe Seylers Z Physiol Chem 352:377-84, Mar 71
Kinetic behaviour of NAD plus-specific isocitrate dehydrogenase from baker's yeast and inhibition by AMP. Cennamo C, et al.
Ital J Biochem 19:100-10, Mar-Apr 70
Production of phenotypically epimeraseless yeast by L-arabinose. Azam F, et al.
J Bacteriol 106:915-9, Jun 71
Methionine-mediated repression in Saccharomyces cerevisiae: a pleiotropic regulatory system involving methionyl transfer ribonucleic acid and the product of gene eth2. Cherest H, et al.
J Bacteriol 106:758-72, Jun 71
Activities of tricarboxylic acid cycle enzymes, glyoxylate cycle enzymes, and fructose diphosphatase in bakers' yeast during adaptation to acetate oxidation. Gosling JP, et al.
J Bacteriol 106:908-14, Jun 71
Multiplicity of the amino acid permeases in Saccharomyces cerevisiae. IV. Evidence for a general amino acid permease. Grenson M, et al.
J Bacteriol 103:770-7, Sep 70
Cytochemical localization of catalase activity in yeast peroxisomes. Hoffmann HP, et al.
J Bacteriol 104:581-4, Oct 70
Variations in the localization of acetyl-coenzyme A synthetase in aerobic yeast cells. Klein HP, et al.
J Bacteriol 106:596-602, May 71
Osmotic regulation of invertase formation and secretion by protoplasts of Saccharomyces. Kuo SC, et al. J Bacteriol 106:183-91, Apr 71
Crystallization and reaction mechanism of yeast phosphoglucomutase. Hirose M, et al.
J Biochem (Tokyo) 68:449-57, Oct 70
Studies on yeast inorganic pyrophosphatase, purification and amino acid composition. Negi T, et al.
J Biochem (Tokyo) 70:165-8, Jul 71
Subcellular localization of 3-hydroxy-3-methylglutaryl-CoA reductase in Saccharomyces cerevisiae. Shimizu I, et al.
J Biochem (Tokyo) 70:175-7, Jul 71
Yeast aldehyde dehydrogenase. IV. Dissociation and reassociation of native and hybrid forms. Clark JF, et al. J Biol Chem 245:6072-7, 25 Nov 70
Yeast aldehyde dehydrogenase. 3. Preparation of three homogeneous species. Clark JF, et al.
J Biol Chem 245:6065-71, 25 Nov 70
Two forms of acetoacetyl coenzyme A thiolase in yeast. II. Intracellular location and relationship to growth. Kornblatt JA, et al. J Biol Chem 246:4424-30, 25 Jul 71
Two forms of acetoacetyl coenzyme A thiolase in yeast. I. Separation and properties. Kornblatt JA, et al.
J Biol Chem 246:4417-23, 25 Jul 71
Activators of yeast hexokinase. Kosow DP, et al.
J Biol Chem 246:2618-25, 25 Apr 71
A kinetic study of glycolytic enzyme synthesis in yeast. Maitra PK, et al. J Biol Chem 246:475-88, 25 Jan 71
Control of glycolytic enzyme synthesis in yeast by products of the hexokinase reaction. Maitra PK, et al.
J Biol Chem 246:489-99, 25 Jan 71
Cation dependence of the transfer reaction catalyzed by phenylalanyl transfer ribonucleic acid synthetase from Bakers' yeast. Robison B, et al.
J Biol Chem 246:4664-70, 10 Aug 71
Pyruvate carboxylase from baker's yeast. The presence of bound zinc. Scrutton MC, et al.
J Biol Chem 245:6220-7, 25 Nov 70
Pyridine nucleotide requirements of fatty acid synthetases. White HB 3d, et al.
J Biol Chem 246:4751-4, 10 Aug 71
A new factor stimulating invertase production by Saccharomyces fragilis. Davies R.
J Gen Microbiol 66:37-53, Apr 71
Invertase and disulphide bridges in the yeast wall. Kidby DK, et al. J Gen Microbiol 61:327-33, Jun 70
Regulation and characterization of acid and alkaline phosphatase in yeast. Schurr A, et al.
J Gen Microbiol 65:291-303, Mar 71
Co-operative binding of nicotinamide-adenine dinucleotide to yeast glyceraldehyde-3-phosphate dehydrogenase. II. Stopped-flow studies at pH 8-5 and 40 degrees C. Kirschner K.
J Mol Biol 58:51-68, 28 May 71
Crystallographic study of yeast phosophoglycerate kinase. Watson HC, et al. J Mol Biol 57:623-5, 14 May 71
Aminoacyl-transfer RNA synthetase recognition cod-words in yeast transfer RNA's: a proposal. Bhargava PM, et al. J Theor Biol 29:447-69, Dec 70
Effect of Borrelidin on the threonyl-tRNA-synthetase activity and the regulation of threonine-biosynthetic enzymes in Saccharomyces cerivisiae. Nass G, et al.
Mol Gen Genet 108:28-32, 1970
Respiration deficient mutants of Schizosaccharomyces Pombe I. Wolf K, et al. Mol Gen Genet 110:101-9, 1971
Prototrophic regulatory mutants of adenylosuccinate synthetase in yeast. Lomax CA, et al.
Nature [New Biol] 229:116, 27 Jan 71
Formation of a stable "active" complex between cytochrome c and yeast peroxidase. Nicholls P, et al.
Nature [New Biol] 230:276-7, 28 Apr 71
Isolation of Saccharomyces cerevisiae mitochondrial formyltetrahydrofolic acid:methionyl-tRNA transformylase and the hybridization of mitochondrial fMet-tRNA with mitochondrial DNA. Halbreich A, et al.
Proc Natl Acad Sci USA 68:294-8, Feb 71
Isolation of glucanase-containing particles from budding Saccharomyces cerevisiae. Matile P, et al.
Proc Natl Acad Sci USA 68:636-40, Mar 71
DNA-dependent RNA polymerase from yeast mitochondria. Tsai MJ, et al.
Proc Natl Acad Sci USA 68:473-7, Feb 71
[The regulatory center of Saccharomyces cerevisiae ornithine carbamoyltransferase] Penninckx M, et al.
Arch Int Physiol Biochim 79:204-6, Jan 71 (Fre)
[Study of the complex between tRNA-phe and phenylalanine-tRNA synthetase from yeast] Befort N, et al. Biochim Biophys Acta 217:319-31, 15 Oct 70 (Fre)
[Purification and properties of phenylalanyl-tRNA synthetase from baker's yeast] Fasiolo F, et al.
Biochim Biophys Acta 217:305-18, 15 Oct 70 (Fre)
[Polyphosphatases of baker's yeast] Felter S, et al.
Bull Soc Chim Biol (Paris) 52:433-46, 1970 (Fre)
[Kinetics of the formation of iso-cytochrome C during the oxygen-induced synthesis of respiratory enzymes of yeasts issuing from cultures with or without added Zn++] Ohaniance L, et al.
Bull Soc Chim Biol (Paris) 52:1105-10, 1970 (Fre)
[Effects of lysine on the synthesis and activity of arginase and ornithine transaminase in Saccharomyces cerevisiae] Bourgeois CM, et al.
Eur J Biochem 15:140-5, Jul 70 (Fre)
[Cytochemical localization of hydrolases in mold cells. II. Aminopeptidases] Reiss J.
Acta Histochem (Jena) 39:277-85, 1971 (Ger)
[Studies on biosynthesis of unsaturated fatty acids in yeast] Schultz J, et al.
Eur J Biochem 21:48-54, 15 Jul 71 (Ger)
[On the mode of action and stereospecificity of hydroxymethylglutaryl-CoA-reductase] Blattmann P, et al.
Hoppe Seylers Z Physiol Chem 352:369-76, Mar 71 (Ger)
[Properties of Chorismate-mutase from Saccharomyces cerevisiae S 288 C] Sprössler B, et al.
Hoppe Seylers Z Physiol Chem 351:1178-90, Oct 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Cytochemical localization of peroxisomes in fungal cells] Reiss J. Protoplasma 72:43-8, 1971 (Ger)
[Agar and polyacrylamide gel electrophoresis of hexokinase in cell homogenates from baker's yeast] Kopperschläger G, et al. Z Med Labortech 10:366-70, 1969 (Ger)
[Studies on carbamoyltransferase (E.C. 2. 1. 3. 2.) activity in Saccharomyces cerevisiae] Zak T, et al. Med Dosw Mikrobiol 22:395-401, 1970 (Pol)
[Interaction of yeast inorganic pyrophosphatase with diisopropylfluorophosphate] Avaeva SM, et al. Biokhimiia 35:1113-7, Nov-Dec 70 (Rus)
[The interaction of yeast inorganic pyrophosphatase and carboxypeptidase A] Avaeva SM, et al. Biokhimiia 35:31-4, 1970 (Rus)
[Formation of an intermediate compound during hydrolysis of the substrate of yeast inorganic pyrophosphatase] Avaeva SM, et al. Biokhimiia 35:552-5, May-Jun 70 (Rus)
[Effect of conditions on the reaction of yeast inorganic pyrophosphatase with the substrate] Avaeva SM, et al. Biokhimiia 36:163-6, Jan-Feb 71 (Rus)
[Electrophoretically different forms of yeast enolase] Gefdan MA, et al. Biokhimiia 35:1051-2, Sep-Oct 70 (Rus)
[Conditions for removal of thiamine pyrophosphate from holotransketolase] Kochetov GA, et al. Biokhimiia 35:1023-7, Sep-Oct 70 (Rus)
[Isoforms of transketolase from baker's yeast] Kochetov GA, et al. Biokhimiia 35:1059-61, Sep-Oct 70 (Rus)
[Optical rotatory dispersion and circular dichroism of transketolase from baker's yeast. Induced optical activity arising during binding of thiamine pyrophosphate apoenzyme] Kochetov GA, et al. Biokhimiia 35:1257-9, Nov-Dec 70 (Rus)
[Calcium, a baker's yeast transketolase cofactor] Kochetov GA, et al. Biokhimiia 35:422-4, Mar-Apr 70 (Rus)
[Enzymatic synthesis of UDP-C-14-glucose from C-14-glucose] Morozova AV, et al. Biokhimiia 35:117-23, 1970 (Rus)
[Activation of yeast glyceraldehyde-3-phosphate dehydrogenase by salts] Nagradova NK, et al. Biokhimiia 35:366-73, Mar-Apr 70 (Rus)
[Interaction of yeast hexokinase with hydrocortixone] Titova GV. Biokhimiia 35:1028-30, Sep-Oct 70 (Rus)
[Mechanism of the activating effect of calcium on baker's yeast transketolase] Kochetov GA, et al. Dokl Akad Nauk SSSR 195:738-9, 1970 (Rus)
[Complex of functionally related enzymes--transketolases and glyceraldehydephosphate dehydrogenase] Kochetov GA, et al. Dokl Akad Nauk SSSR 195:483-5, 1970 (Rus)
[Localization of invertase in the yeast cell and the peripheral digestive cavity] Mitiushova NM, et al. Dokl Akad Nauk SSSR 195:503-6, 1970 (Rus)
[Effect of high vacuum on the activity of iron porphyrin enzymes in microorganisms] Imsénecki AA, et al. Mikrobiologiia 40:289-92, Mar-Apr 71 (Rus)
[Kinetic properties of glutamine synthetase of different yeasts] Kretovich VL, et al. Mikrobiologiia 39:767-70, Sep-Oct 70 (Rus)
[New yeast hybrids fermenting raffinose and containing active maltase] Raevskaia OG, et al. Mikrobiologiia 38:571-8, Jul-Aug 69 (Rus)
[Cholinesterase activity of several yeasts] Paviova IN. Mikrobiol Zh 31:409-10, Jul-Sep 69 (Ukr)

GROWTH & DEVELOPMENT

Effect of sorbic acid on the grpwtj pf sp growth of some species of yeast. Deák T, et al. Acta Microbiol Acad Sci Hung 17:237-56, 1970
Effect of sorbic acid on the growth of yeasts on various carbohydrates. Deák T, et al. Acta Microbiol Acad Sci Hung 17:257-66, 1970
Growth kinetics of yeasts. Novák EK, et al. Acta Microbiol Acad Sci Hung 17:1-12, 1970
Studies on the production of cells of Saccharomyces sake. Akaki M. Antonie van Leeuwenhoek 35:Suppl:F3-4, Jun 69
Studies of the mode of action of the gene pl5 in S. cerevisiae Hansen. Bizeau C. Antonie van Leeuwenhoek 35:Suppl:C17-8, Jun 69
On the pellicle formation by "flor" yeasts. Cantarelli C, et al. Antonie van Leeuwenhoek 35:Suppl:F35-6, Jun 69
The meiosis bud in Saccharomyces rosei(Guill.) Lodder et v. Rij. Ferreira JD. Antonie van Leeuwenhoek 35:Suppl:B33-4, Jun 69
The genetic control of the mating system in haploid and diploid Saccharomyces cerevisiae. Inge-Vechtomov SG, et al. Antonie van Leeuwenhoek 35:Suppl:C19-20, Jun 69
Ecology of yeasts in the kefir grain. La Rivière JW. Antonie van Leeuwenhoek 35:Suppl:D15-6, Jun 69
Synthesis of the fibrillar component of regenerating cell walls in yeast protoplasts. Nečas O, et al. Antonie van Leeuwenhoek 35:Suppl:B7-8, Jun 69
Suppression of rough phenotype in Saccharomyces cerevisiae. Silhánková L. Antonie van Leeuwenhoek 35:Suppl:C11-2, Jun 69
Genetics of population changes during continuous culture of Saccharomyces. Thornton R, et al. Antonie van Leeuwenhoek 35:Suppl:C7-8, Jun 69
Remarks on the sporulation of Saccharomyces cerevisiae Hansen. Vezinhet F, et al. Antonie van Leeuwenhoek 35:Suppl:H33-4, Jun 69
Use of a fiber optic probe for spectral measurements and the continuous recording of the turbidity of growing microbial cultures. Robrish SA, et al. Appl Microbiol 21:278-87, Feb 71
Relationship between energy metabolism and growth. I. Glucose dependence of the exponential growth rate of Saccharomyces cerevisiae. Jain VK. Arch Mikrobiol 72:252-9, 1970
Experiments on ageing in single cells of Saccharomyces cerevisiae. Müller I. Arch Mikrobiol 77:20-5, 1971
Mating reaction in Saccharomyces cerevisiae. I. Cell agglutination related to mating. Sakai K, et al. Arch Mikrobiol 75:260-5, 1971
Distortion in Coulter Counters and the applicability of the Collins-Richmond principle. Kubitschek HE. Biophys J 11:124-6, Jan 71
A sex-specific growth response in the yeast Kluyveromyces lactis. Herman AI. Can J Genet Cytol 12:66-9, Mar 70
Some fine structure features of meiosis in the yeast Saccharomyces cerevisiae. Rapport E. Can J Genet Cytol 13:55-62, Mar 71
The temperature dependence of mortality rate in starved yeast cells. Matsumoto S. Can J Microbiol 17:179-82, Feb 71
Study of scar formation in the life cycle of heterothallic Saccharomyces cerevisiae. Streiblová E. Can J Microbiol 16:827-31, Sep 70
The effect of alkylation on the antimicrobial activities of 7-hydroxy- and 4-hydroxycoumarins. Jurd L, et al. Experientia 26:1281-3, 15 Nov 70
The effect of mutagenesis on growth rate in haploid and diploid yeast. Wilis C, et al. Genetics 63:843-50, Dec 69
Effect of 2-deoxyglucose on cell wall formation in Saccharomyces cerevisiae and its relation to cell growth inhibition. Biely P, et al. J Bacteriol 107:121-9, Jul 71
Appearance of a new species of ribonucleic acid during sporulation in Saccharomyces cerevisiae. Kadowaki K, et al. J Bacteriol 105:826-30, Mar 71
Chitin and yeast budding. Localization of chitin in yeast bud scars. Cabib E, et al. J Biol Chem 246:152-9, 10 Jan 71
Oxygen toxicity in a fission yeast. Vaughan GL. J Cell Physiol 77:363-72, Jun 71
Postmeiotic segregation in Saccharomyces. Esposito MS. Mol Gen Genet 111:297-9, 1971
Riboflavinless mutants of Saccharomyces cerevisiae: the problem of the rib 6 -gene. Oltmanns O. Mol Gen Genet 111:300-2, 1971
Promitochondria of anaerobically grown yeast. V. Energy transfer in the absence of an electron transfer chain. Groot GS, et al. Proc Natl Acad Sci USA 68:308-11, Feb 71
Concurrent exponential growth and death of cell populations of Saccharomyces cerevisiae at superoptimal growth temperatures. Uden N van, et al. Z Allg Mikrobiol 10:515-26, 1970
[Optimization of the selection of mutants of Saccharomyces cerevisiae by nystatin] Thouvenot DR, et al. Ann Inst Pasteur (Paris) 120:617-25, May 71 (Fre)
[Oleanolic acid, anaerobe growth factor of wine yeast] Bréchot P, et al. C R Acad Sci [D] (Paris) 272:890-3, 8 Feb 71 (Fre)
[The influence of homogeneous magnetic fields on the growth of Micrococcus denitrificans] Thiemann W, et al. Z Naturforsch [B] 25:1020-3, Sep 70 (Ger)
[The phospholipids of S. cerevisiae during the growt phase] Orlando P, et al. Boll Soc Ital Biol Sper 45:749-51, 15 Jun 69 (Ita)
[Variability of cultures of baker's yeasts obtained from single spores] Kosikov KV, et al. Mikrobiologiia 40:349-54, Mar-Apr 71 (Rus)
[Correlation between respiratory and fermentation activity in Saccharomyces cerevisiae during aerobic growth] Vitrinskaia AM, et al. Mikrobiologiia 40:207-12, Mar-Apr 71 (Rus)

IMMUNOLOGY

An assessment of the role of Candida albicans and food yeasts in chronic urticaria. James J, et al. Br J Dermatol 84:227-37, Mar 71

ISOLATION & PURIFICATION

Yeast microflora of wine-making districts of Uzbekistan. Maviani MI. Antonie van Leeuwenhoek 35:Suppl:D3, Jun 69
Microorganisms of the San Francisco sour dough bread process. I. Yeasts responsible for the leavening action. Sugihara TF, et al. Appl Microbiol 21:456-8, Mar 71
Petite mutation in yeast. II. Isolation of mutants containing mitochondrial deoxyribonucleic acid of reduced size. Goldring ES, et al. J Bacteriol 107:377-81, Jul 71
The yeast flora of Egyptian butter. Zaki OA, et al. Mykosen 13:97-101, 1 Feb 70
[Yeasts isolated in the Laboratoire de Parasitologie du C. H. U. de Marseille from July 1964 to July 1968] Dunan S, et al. Bull Soc Pathol Exot 62:839-48, Sep-Oct 69 (Fre)
[Do live yeast cells in health persons regularly reach the blood vessels from the intestinal tract?] Büttner DW, et al. Mykosen 12:387-90, 1 Jun 69 (Ger)
[Budding fungi on skin changed by disease] Friedrich E. Mykosen 11:119-26, 1 Feb 68 (Ger)
[Fungal flora of diseased and healthy toenails] Seebacher C. Mykosen 11:893-902, 1 Dec 68 (Ger)

METABOLISM

Some aspects of (-)-citramalic acid accumulation by respiration-deficient mutants of yeasts. Amaha M, et al. Antonie van Leeuwenhoek 35:Suppl:G15-6, Jun 69
Biosynthesis of riboflavine. Bacher A, et al. Antonie van Leeuwenhoek 35:Suppl:H3-4, Jun 69
The inter-relations between yeast strain and fermentation conditions in the production of cider from apple juice. Beech FW. Antonie van Leeuwenhoek 35:Suppl:F11-2, Jun 69
The influence of some organic acids on the alcoholic fermentation in yeasts of the genus Saccharomyces. Bonnet JA, et al. Antonie van Leeuwenhoek 35:Suppl:G27-8, Jun 69
Fermentation and respiration of yeast in presence of sulphur dioxide. Bréchot P, et al. Antonie van Leeuwenhoek 35:Suppl:G21-2, Jun 69
Physiology of light-induced pigment production by cells of Saccharomyces cerevisiae var. ellipsoideus. Ehrenberg M, et al. Antonie van Leeuwenhoek 35:Suppl:H11-2, Jun 69
Effect of different carbon sources on the regulation of carbohydrate metabolism in baker's yeast. Görts CP. Antonie van Leeuwenhoek 35:Suppl:G23-4, Jun 69
Physiological and biochemical characters of yeast cells in different divisional ages. Hayashibe M, et al. Antonie van Leeuwenhoek 35:Suppl:H35-6, Jun 69
Observations on yeast growth and metabolism influenced by beta-indolilacetic acid. Jakubowska J, et al. Antonie van Leeuwenhoek 35:Suppl:G17-8, Jun 69
Some aspects of the correlation between the mutagenic effect of nitrous acid and the presence of the "Crabtree" effect in Saccharomyces. Kalačević-Krajovan I. Antonie van Leeuwenhoek 35:Suppl:G33, Jun 69
On the synthesis of biotin in yeast. Keränen AJ. Antonie van Leeuwenhoek 35:Suppl:H7-8, Jun 69
Radioisotope uptake by and localization in yeasts. Kleeff BH van, et al. Antonie van Leeuwenhoek 35:Suppl:G9-10, Jun 69
Physiological rhythms in petite mutation. Kraepelin G. Antonie van Leeuwenhoek 35:Suppl:C13-4, Jun 69
Transport of alpha-glucosides in Saccharomyces carlsbergensis. Kroon RA de. Antonie van Leeuwenhoek 35:Suppl:I33-4, Jun 69
Decrease of nitrites in a medium due to the action of yeasts of the species Saccharomyces cerevisiae. Leszczyński W. Antonie van Leeuwenhoek 35:Suppl:H29-30, Jun 69
Melibiose-fermenting baker's yeast hybrids. Lodder J, et al. Antonie van Leeuwenhoek 35:Suppl:F9, Jun 69
Control of respiration and aerobic fermentation in Saccharomyces cerevisiae. Meyenburg K von. Antonie van Leeuwenhoek 35:Suppl:G19-20, Jun 69
Some aspects of the utilization of reserve carbohydrates in endogenous metabolism of baker's yeasts. Mitterhauszerová L, et al. Antonie van Leeuwenhoek 35:Suppl:F7-8, Jun 69
Unstable and reversible forms of hereditary respiration deficiency in Saccharomyces logos and S. rosei. Nagai S. Antonie van Leeuwenhoek 35:Suppl:C1-2, Jun 69
Specific relations and correlations in metabolism of yeast cells. Nordheim W. Antonie van Leeuwenhoek 35:Suppl:G7-8, Jun 69
The sodium and potassium contents of yeasts differing in halotolerance, at various NaCl concentrations in the media. Norkrans B. Antonie van Leeuwenhoek 35:Suppl:G31-2, Jun 69
Vitamin biosynthesis in the yeasts. Odintsova CN. Antonie van Leeuwenhoek 35:Suppl:H5-6, Jun 69
Aeration and the biochemical composition of baker's yeast. Oura E. Antonie van Leeuwenhoek 35:Suppl:G25-6, Jun 69
Genetic control of energy metabolism in Saccharomyces cerevisiae. Parker JH, et al. Antonie van Leeuwenhoek 35:Suppl:C5-6, Jun 69
The involvement of reserve polysaccharides in the metabolism of normal and irradiated yeast. Remesova TS, et al. Antonie van Leeuwenhoek 35:Suppl:G29-30, Jun 69
Acyloinformation by Saccharomyces cerevisiae. Schmauder HP, et al. Antonie van Leeuwenhoek 35:Suppl:H27-8, Jun 69
Relationship between extracellular and cell wall polysaccharides of selected yeasts and yeast-like microorganisms. Siki D, et al. Antonie van Leeuwenhoek 35:Suppl:A9, Jun 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Catabolic processes in stored baker's yeast. Sjöblom L.
Antonie van Leeuwenhoek 35:Suppl:F5, Jun 69
Trends in physiology and biochemistry of yeasts. Suomalainen H.
Antonie van Leeuwenhoek 35:Suppl:83-111, Jun 69
The use of different N-sources for the growth of metabolically compatible yeasts. Vrbaški L, et al.
Antonie van Leeuwenhoek 35:Suppl:H15-6, Jun 69
Pyridoxine, pantothenate and methionine effects of H2S formation by Saccharomyces cerevisiae. Wainwright T.
Antonie van Leeuwenhoek 35:Suppl:G3-4, Jun 69
Observations on the replication and function of mitochondrial DNA in yeast. Williamson DH.
Antonie van Leeuwenhoek 35:Suppl:C3-4, Jun 69
Sexual hormones in Saccharomyces cerevisiae. Yanagishima N.
Antonie van Leeuwenhoek 35:Suppl:C9-10, Jun 69
Biosynthesis of ribonucleic acid in yeast: some properties of mitochondrial ribosomal ribonucleic acid in Saccharomyces carlsbergensis. De Kloet SR, et al. Arch Biochem Biophys 143:175-86, Mar 71
Specificity of lipids and coenzyme Q in mitochondrial NADH and succin-oxidase of beef heart and S. cerevisiae. Lenaz G, et al.
Arch Biochem Biophys 142:407-16, Feb 71
Regulation of the purine pathway in bakers yeast: activity and feedback inhibition of phosphoribosyl-pyrophosphate amidotransferase. Satyanarayana T, et al.
Arch Biochem Biophys 142:40-7, Jan 71
Metabolic control in flow systems. I. Sustained glycolytic oscillations in yeast suspension under continual substrate infusion. Klitzing L von, et al.
Arch Mikrobiol 71:220-5, 1970
The preparation and some properties of yeast mitochondria. Spencer C, et al.
Arch Mikrobiol 75:246-59, 1971
Chromatographic differences between the cytoplasmic and the mitochondrial t-RNA of Saccharomyces cerevisiae. Accoceberry B, et al.
Biochem Biophys Res Commun 42:1235-43, 19 Mar 71
Nucleotide reversal of mitochondrial repression in Saccharomyces cerevisiae. Fang M, et al.
Biochem Biophys Res Commun 41:1579-83, 24 Dec 70
Mitochondrial membrane organisation, a determinant of mitochondrial ribosomal RNA synthesis. Forrester IT, et al.
Biochem Biophys Res Commun 43:409-15, 16 Apr 71
Selective inhibition of the in vivo transcription of mitochondrial DNA by ethidium bromide and by acriflavin. Fukuhara H, et al.
Biochem Biophys Res Commun 41:1002-8, 25 Nov 70
Inhibition of ergosterol synthesis in cell-free extracts of yeast by bile acid. Hatanaka H, et al.
Biochem Biophys Res Commun 40:786-92, 24 Aug 70
Induction of the site I phosphorylation in vivo in Saccharomyces carlsbergensis. Onishi T.
Biochem Biophys Res Commun 41:344-52, 23 Oct 70
Control of a lysine-biosynthetic step by two unlinked genes of Saccharomyces. Sinha AK, et al.
Biochem Biophys Res Commun 39:1205-10, 1970
Sterol accumulation in a mutant of Saccharomyces cerevisiae defective in ergosterol production. Thompson ED, et al.
Biochem Biophys Res Commun 43:1304-9, 18 Jun 71
The synthesis of mitochondrial DNA during the cell cycle in the yeast Saccharomyces cerevisiae. Williamson DH, et al.
Biochem Biophys Res Commun 42:195-201, 22 Jan 71
The concentration of amino acids by yeast cells depleted of adenosine triphosphate. Eddy AA, et al.
Biochem J 120:853-8, Dec 70
Interctions between potassium ions and glycine transport in the yeast Saccharomyces carlsbergensis. Eddy AA, et al. Biochem J 120:845-52, Dec 70
Secretion of cell-wall glycoproteins by yeast protoplasts. Effect of 2-deoxy-D-glucose and cycloheximide. Farkaš V, et al.
Biochem J 118:755-8, Aug 70
Cation-binding by yeast cell walls. Lyons TP, et al.
Biochem J 119:10P, Sep 70
In vitro biosynthesis of membrane proteins in isolated mitochondria from Saccharomyces carlsbergensis. Yang S, et al. Biochemistry 9:3063-72, 21 Jul 70
The interaction of 2,4-dinitrophenol with anaerobic Rb+ transport across the yeast cell membrane. Borst-Pauwels GW, et al.
Biochim Biophys Acta 225:269-76, 2 Feb 71
The size and the location of the ribosomal RNA segments in ribosomal precursor RNA of yeast. Bos RC van den, et al.
Biochim Biophys Acta 232:494-508, 25 Mar 71
I. Cytochrome oscillations in continuous culture. Action of chloramphenicol on Saccharomyces carlsbergensis and Candida utilis. Gray PP, et al.
Biochim Biophys Acta 230:393-400, 23 Feb 71
Lipid metabolism in inositol-deficient yeast, Saccharomyces carlsbergensis. II. Incorporation of labeled precursors into lipids by whole cells and activities of some enzymes involved in lipid formation. Johnston JM, et al.
Biochim Biophys Acta 218:431-40, 15 Dec 70
Effects of antibiotic substances on the respiration of yeast grown in 1 percent glucose. Kaplan DM, et al.
Biochim Biophys Acta 222:611-20, 29 Dec 70
Oxidative phosphorylation in yeast. VII. Inhibition of oxidative phosphorylation and of respiratory enzyme synthesis by oligomycin in intact cells. Kovář L, et al.
Biochim Biophys Acta 205:520-3, 30 Jun 70
Inhibition of respiration in yeast by light. Ninnemann H, et al. Biochim Biophys Acta 205:499-506, 30 Jun 70
Lipid metabolism in inositol-deficient yeast, Saccharomyces carlsbergensis. I. Influence of different carbon sources on the lipid composition of deficient cells. Paltauf F, et al.
Biochim Biophys Acta 218:424-30, 15 Dec 70
On the mechanism of the biosynthesis of ribosomal RNA in yeast. Retèl J, et al.
Biochim Biophys Acta 224:458-69, 14 Dec 70
Oxidative phosphorylation in yeast. VI. ATPase activity and protein synthesis in mitochondria isolated from nuclear mutants deficient in cytochromes. Subík J, et al. Biochim Biophys Acta 205:513-9, 30 Jun 70
Biochemical changes in yeast during sporulation. II. Acetate metabolism. Miyake S, et al.
Dev Growth Differ (Nagoya) 12:285-96, Feb 71
Biochemical changes in yeast during sporulation. I. Fate of nucleic acids and related compounds. Sando N, et al. Dev Growth Differ (Nagoya) 12:273-83, Feb 71
Effects of benzimidazole on the oxygen-induced biosynthesis of hemoproteins in yeast. Seis AA, et al.
Eur J Biochem 19:115-23, 1 Mar 71
Microviscosity and calcium exchange in yeast cells and effects of phenethyl alcohol. Burns VW.
Exp Cell Res 64:35-40, Jan 71
Changes in RNA, DNA and protein during aerobic regeneration of mitochondria in Saccharomyces cerevisiae. Schuit KE, et al.
Exp Cell Res 65:408-12, Apr 71
Incorporation of 3H-UTP into mitochondria isolated from cytoplasmic and nuclear respiratory-deficient yeast mutants. Kufela S, et al.
Experientia 26:940-1, 26 Sep 70
Metabolism of calcium and effect of divalent cations on respiratory activity of yeast mitochondria. Subík J, et al. Folia Microbiol (Praha) 15:448-58, 1970
Studies of mutants inhibited by their own metabolites in Saccharomyces cerevisiae. II. Genetic and enzymatic analysis of three classes of mutants. Meuris P. Genetics 63:569-86, Nov 69
Action of cyclodiene pesticides on oxidative metabolism in the yeast Saccharomyces cerevisiae. Nelson BD, et al.
J Agric Food Chem 19:339-41, Mar-Apr 71
Reactions of certain trichloromethyl sulfenyl fungicides with low molecular weight thiols. In vivo studies with cells of Saccharomyces pastorianus. Siegel MR. J Agric Food Chem 18:823-6, Sep-Oct 70
Symposium on microbial changes in foods. Yeasts in baking: factors affecting changes in behaviour. Harrison JS. J Appl Bacteriol 34:173-9, Mar 71
Relationship between solute permeability and osmotic remediability in a galactose-negative strain of Saccharomyces cerevisiae. Bassel J, et al.
J Bacteriol 104:707-11, Nov 70
Mutation affecting activity of several distinct amino acid transport systems in Saccharomyces cerevisiae. Grenson M, et al. J Bacteriol 105:477-82, Feb 71
Modification of the composition and structure of the yeast cell wall by culture in the presence of sulfur amino acids. Killick KA. J Bacteriol 106:931-7, Jun 71
Galactose transport in Saccharomyces cerevisiae. II. Characteristics of galactose uptake and exchange in galactokinaseless cells. Kou SC, et al.
J Bacteriol 103:671-8, Sep 70
Galactose transport in Saccharomyces cerevisiae. 3. Characteristics of galactose uptake in transferaseless cells: evidence against transport-associated phosphorylation. Kuo SC, et al.
J Bacteriol 103:679-85, Sep 70
Non-Mendelian mutation allowing ureidosuccinic acid uptake in yeast. Lacroute F.
J Bacteriol 106:519-22, May 71
New mutant types at the ade3 locus of Saccharomyces cerevisiae. Lomax CA, et al. J Bacteriol 107:1-7, Jul 71
Uranyl nitrate inhibition of transport systems in Saccharomyces cerevisiae. Maxwell WA, et al.
J Bacteriol 105:105-6, Mar 71
Mannitol utake by Saccharomyces cerevisiae. Maxwellwa, et al. J Bacteriol 105:753-8, Mar 71
Microcalorimetric determination of the affinity of Saccharomyces cerevisiae for some carbohydrate growth substrates. Murgier M, et al.
J Bacteriol 105:573-9, Feb 71
Mutation of Saccharomyces cerevisiae preventing uptake of S-adenosylmethionine. Spence KD.
J Bacteriol 106:325-30, May 71
Regulation of phosphatidylcholine biosynthesis in Saccharomyces cerevisiae. Waechter CJ, et al.
J Bacteriol 105:837-43, Mar 71
Chitin and yeast budding. Properties of chitin synthetase from Saccharomyces carlsbergensis. Keller FA, et al. J Biol Chem 246:160-6, 10 Jan 71
The assembly of ribosomes in yeast. Warner JR.
J Biol Chem 246:447-54, 25 Jan 71
Control of the mitochondrial genome in Saccharomyces cerevisiae. The fate of mitochondrial membrane proteins and mitochondrial deoxyribonucleic acid during petite induction. Weislogel PO, et al.
J Biol Chem 246:5113-9, Aug 71
The effect of temperature on the metabolism of baker's yeast growing on continuous culture. Jones RC, et al.
J Gen Microbiol 60:107-16, Jan 70
An extension of the theory of the chemostat with feedback of organisms. Its experimental realization with a yeast culture. Pirt SJ, et al.
J Gen Microbiol 63:357-66, Nov 70
Enhanced CO2 production by yeast exposed to elevated temperatures. Spoerl E.
J Gen Microbiol 62:35-41, Jul 70
Hydrogen sulphide production by yeast under conditions of methionine, pantothenate or vitamin B6 deficiency. Wainwright T.
J Gen Microbiol 61:107-19, Apr 70
A formylatable methionine transfer ribonucleic acid from yeast: comparison of coding properties and sequences around the anticodon with Escherichia coli formylatable methionine transfer RNA. RajBhandary UL, et al. J Mol Biol 50:707-11, 28 Jun 70
Inhibition of mitochondrial protein synthesis in vivo by erythromycin in Schizosaccharomyces pombe and Saccharomyces cerevisiae. Michel R, et al.
Mol Gen Genet 111:235-41, 1971
Role of the mitochondrion in the regulation of protein synthesis in the eucaryote Saccharomyces cerevisiae. Puglisi PP, et al. Mol Gen Genet 110:110-7, 1971
Saccharomyces capensis--an inositolless yeast. Wilkinson RA, et al.
Mycopathol Mycol Appl 42:281-8, 29 Dec 70
Repetitive DNA in yeasts. Christiansen C, et al.
Nature [New Biol] 231:176-7, 9 Jun 71
Molecular consequences of ethidium bromide mutagenesis. Perlman PS, et al.
Nature [New Biol] 231:12-6, 5 May 71
Promitochondria of anaerobically grown yeast. IV. Conversion into respiring mitochondria. Plattner H, et al. Proc Natl Acad Sci USA 66:1252-9, Aug 70
Nucleotide sequence of the "denaturable" leucine transfer RNA from yeast. Kowalski S, et al.
Science 172:385-7, 23 Apr 71
Preparation of highly labeled (32P)nucleic acids from yeasts; isolation of "denaturable" leucine acceptor transfer RNA. Kowalski S, et al.
Science 172:384-5, 23 Apr 71
Cell-free protein synthesizing system from yeast mitochondria. Scragg AH, et al.
Science 171:906-10, 5 Mar 71
[Diversity of the types of regulation involved in the biosynthesis of threonine and methionine in Saccharomyces cerevisiae] Robichon-Szulmajster H.
Biochimie 53:131-4, 1971 (Fre)
[Preparation and properties of mitochondrial transfer ribonucleic acids from the yeast Saccharomyces cerevisiae] Accoceberry B, et al.
Bull Soc Chim Biol (Paris) 52:113-23, 31 Mar 70 (Fre)
[tRNA's from yeast having incorporated 5-fluorouracil arising from in vivo deamination of 5-fluorocytosine] Giege R, et al.
Bull Soc Chim Biol (Paris) 52:135-44, 31 Mar 70 (Fre)
[Influence of ethanol on respiratory oxidation of glucose by baker's yeast] Iscaki M.
C R Soc Biol (Paris) 164:491-5, 1970 (Fre)
[A product of microbial synthesis rich in vitamin B 12. Analysis and animal assays] Karlin R, et al.
Int Z Vitaminforsch 40:419-26, 1970 (Fre)
[Influence of montmorillonite on the formation of biomass and metabolic products by some microorganisms] Haider K, et al.
Arch Mikrobiol 73:201-5, 1970 (Ger)
[Metabolic control in flow systems. II. Regulation of ethanol synthesis and pool turnover in yeast under continuous substrate infusion] Klitzing L von.
Arch Mikrobiol 72:106-10, 1970 (Ger)
[Acetaldehyde as an indicator for the regulation of respiration and fermentation during aerobic fermentation of glucose by Saccharomyces cerevisiae] Then R, et al.
Arch Mikrobiol 75:285-95, 1971 (Ger)
[Extent of glycolytic catabolism of cell-specific reserve materials in starved yeast during glucose administration] Rambeck W, et al.
Hoppe Seylers Z Physiol Chem 352:59-64, Jan 71 (Ger)
[Stimulation of the catabolism of reserve materials in starved yeast by alcohols and other agents] Rambeck W, et al.
Hoppe Seylers Z Physiol Chem 352:65-70, Jan 71 (Ger)
[Carbon monoxide production of microorganisms] Junge C, et al.
Naturwissenschaften 58:362-3, Jul 71 (Ger)
[Metabolic regulation in aerobic cell suspensions of Saccharomyces carlsbergensis after glucose addition. I. Shift from respiration to aerobic fermentation] Klitzing L von. Protoplasma 72:109-17, 1971 (Ger)
[Relations between sulfite formation and hydrogen sulfide formation in Saccharomyces cerevisiae] Dittrich HH, et al.
Zentralbl Bakteriol [Naturwiss] 124:113-8, 1970 (Ger)
[Effect of sugar on the glycerol content and the redox potential of wine] Liebert HP.
Zentralbl Bakteriol [Naturwiss] 125:289-94, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Quantitative studies of the formation of ethanol, glycerin and 2,3-butyleneglycol during the alcoholic fermentation] Wojnar R.
Zentralbl Bakteriol [Naturwiss] 124:129-35, 1970 (Ger)

[Effect of nystatin and levorin on the biosynthesis of sterols and fatty acids in cell-free extracts of Saccharomyces cerevisiae] Klimov AN, et al.
Antibiotiki 16:279-82, Mar 71 (Rus)

[Functional changes of nonheme iron in yeast cells] Lisovskaia IL, et al.
Biofizika 15:308-11, Mar-Apr 70 (Rus)

[Effect of protein synthesis inhibitors on the formation of mitochondrial enzymes during the aerobic adaptation of yeasts] Pinus EA, et al.
Biokhimiia 35:1078-83, Nov-Dec 70 (Rus)

[Degradation of the mitochondrial respiratory chain in Saccharomyces cerevisiae as a result of electron transfer disorders] Luzikov VN, et al.
Dokl Akad Nauk SSSR 195:1453-5, 1970 (Rus)

[Interaction of maltose complementary genes in Saccharomyces hybrids] Naumov GI.
Dokl Akad Nauk SSSR 193:203-6, Jul-Aug 70 (Rus)

[Stimulation of fermentative activity in brewer's yeast of different generations] Biriukova TN, et al.
Mikrobiologiia 38:956-61, Nov-Dec 69 (Rus)

[Effect of 2,4-dinitrophenol on sterol formation in yeasts] Gal'tsova RD, et al.
Mikrobiologiia 40:34-8, Jan-Feb 71 (Rus)

[The effect of the temperature of fermentation on formation of higher alcohols by the yeast Saccharomyces carlsbergensis] Gracheva IM, et al.
Mikrobiologiia 39:322-6, Mar-Apr 70 (Rus)

[The effect of ionizing radiation on the lipid composition of yeasts] Larikova GA.
Mikrobiologiia 39:305-8, Mar-Apr 70 (Rus)

[Fungi associated with bacteria oxidizing manganese] Mirchink TG, et al.
Mikrobiologiia 39:379-83, Mar-Apr 70 (Rus)

[Accumulation of shikimic acid by yeasts in the presence of p-aminobenzoic acid] Surovtseva EG.
Mikrobiologiia 39:996-1000, Nov-Dec 70 (Rus)

[Effect of ultrasound on gas metabolism in yeasts during different preliminary conditions of cultivation] Tokhver VI, et al.
Mikrobiologiia 38:821-4, Sep-Oct 69 (Rus)

[Lipid synthesis by yeasts] Piddubnif FM, et al.
Mikrobiol Zh 31:683-6, Nov-Dec 69 (91 ref.) (Ukr)

PATHOGENICITY

[The occurrence of saccharomyces in the newborn, infants and small children and their pathogenetic importance as aphthous pathogens]
Blaschke-Hellmessen R.
Kinderaerztl Prax 38:219-29, May 70 (Ger)

RADIATION EFFECTS

On the relation between recovery from potential lethal and sublethal radiation lesions of yeast cells.
Malinovsky OV. Biophysik 7:17-24, 1970

Effect of X-irradiation on yeast ribosomes in vitro.
Ghosh N. Int J Radiat Biol 18:567-75, 1970

Hyper-UV-sensitive yeast. I. Isolation and properties of two such mutants. Brown AM, et al.
Mol Gen Genet 108:258-65, 1970

A UV-supersensitive mutant in the yeast Schizosaccharomyces pombe. Fabre F.
Mol Gen Genet 110:134-43, 1971

Differential "liquid holding recovery" for the lethal effect and cytoplasmic "petite" induction by UV light in Saccharomyces cerevisiae. Moustacchi E, et al.
Mol Gen Genet 109:69-83, 1970

The genetic effects of liquid holding recovery in ultra violet light sensitive mutants of yeast. Parry JM.
Mol Gen Genet 111:51-60, 1971

Absence of interaction between photoreactivation and temperature-dependent dark recovery of ultraviolet irradiated yeasts. Higgins NP, et al.
Mycopathologia Mycol Appl 40:357-61, 31 Aug 70

On the radiosensitivity of the radiation induced aminopterin resistant yeast cells. Munechika H, et al.
Nippon Acta Radiol 30:518-24, Sep 70

Photoreversal of ultraviolet-induced division delay in Saccharomyces cerevisiae. Goodin LJ, et al.
Radiat Res 45:440-8, Feb 71

The sparing effect of UV- and X-ray-fractionation in starved diploid yeast. Kiefer J.
Z Naturforsch [B] 26:129-33, Feb 71

[Radiobiological effects of high energy electrons] Wambersie A.
Bull Cancer (Paris) 56:31-41, Jan-Mar 69 (Fre)

[Analysis of dose-effect curves and postradiation recovery of gamma-quantum irradiated yeasts on the basis of various criteria of viability] Benevolenskif VN, et al. Radiobiologiia 11:80-5, Jan-Feb 71 (Rus)

[Dependence of postradiation recovery on the macroerg content of irradiated cells and of the culture medium] Mosin AF, et al.
Radiobiologiia 9:728-32, Sep-Oct 69 (Rus)

[Periods of realization of potential radiation damage in yeast organisms and their relationship to DNA synthesis and division of the nucleus] Sokurova EN, et al. Radiobiologiia 9:737-41, Sep-Oct 69 (Rus)

[Study of chemical radiosensitivity at the cellular level with halogenated imidazolidines] Alvarez MV, et al.
Arch Inst Farmacol Exp (Madr) 21:101-5, 1969 (Spa)

[Phenols and quinone type radiosensitization] Ramos Avila EL.
Arch Inst Farmacol Exp (Madr) 21:69-100, 1969 (Spa)

[Penetration of DNA into the yeast cells irradiated by quick neutrons] Chebotarev EE, et al.
Fiziol Zh 15:695-8, Sep-Oct 69 (Ukr)

SACCULE see under LABYRINTH (A9)

SACRAL PLEXUS see under LUMBOSACRAL

PLEXUS (A8)

SACRAL REGION see under SACROCOCCYGEAL

REGION (A1)

SACROCOCCYGEAL REGION (A1)

The problem of continence. Following pediatric operations in the anal and rectal area. Daum R, et al.
Am J Proctol 21:352-9, Oct 70

Malignant sacrococcygeal teratoma--a problem in diagnosis. Scobie WG. Arch Dis Child 46:216-8, Apr 71

Some observations on congenital teratomata and ectopic cerebromata. Crockford DA, et al.
Br J Plast Surg 24:31-42, Jan 71

Sacrococcygeal tumors. Macpherson RI, et al.
J Can Assoc Radiol 21:132-42, Sep 70

Occult intrasacral meningocoele. Joseph RA, et al.
J Neurol Neurosurg Psychiatry 33:493-6, Aug 70

Sacrococcygeal chordoma presenting with stress incontinence of urine. Voigt JC, et al.
S Afr Med J 45:557, 22 May 71

Retrorectal tumors in adults. Freier DT, et al.
Surg Gynecol Obstet 132:681-6, Apr 71

[Congenital fistulizing presacral teratoma. (Contribution on the problem of sacrococcygeal fistulas)] Zadorožný P, et al.
Rozhl Chir 49:473-6, Sep 70 (Cze)

[Neuroleptic treatment at the onset of pregnancy and sacro-coccygeal teratoma of the fetus] Bergamaschi P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:316-8, 1968 (Fre)

[Sacrococcygeal teratoma in children: clinical and arteriographic study] Blanchard H, et al.
Union Med Can 100:1311-20, Jul 71 (Fre)

[Clinical picture of pilonidal fistulas in the rima ani] Knoch HG, et al.
Bruns Beitr Klin Chir 218:360-7, Nov 70 (Ger)

[Cortisone treatment in coccygodinia] Vogl A.
Ther Ggw 109:1642-4, Nov 70 (Ger)

[Sacro-coccygeal teratoma] Montagnini R, et al.
Ann Ital Chir 45:1253-70, 1970 (Ita)

[Metastases from sacrococcygeal chordoma. (Frequency, diffusion and radiosensitivity)] Garusi G, et al. Cancro 22:547-62, 1969 (Ita)

[Sacro-coccigeal echinococcosis] Demartin F.
Chir Organi Mov 57:517-27, 1969 (Ita)

[Coincidence of unusual complications during delivery of a fetus with a giant sacrococcygeal teratoma] Higier J, et al. Wiad Lek 24:785-9, 15 Apr 71 (Pol)

[Giant sacrococcygeal tumor in a newborn] Rufkiewicz D, et al. Wiad Lek 24:155-7, 15 Jan 71 (Pol)

[Surgery in abscesses and fistulas of the sacrococcygeal region] Avramenko RV.
Khirurgiia (Mosk) 46:103-7, Dec 70 (Rus)

[Epithelial coccygeal fistulas and cysts] Derevianko IM, et al. Khirurgiia (Mosk) 46:125-6, Oct 70 (Rus)

[Tactics of therapy in epithelial coccygeal fistulas] Iakovlev NA, et al. Klin Khir 9:73-4, Sep 70 (Rus)

[Surgical method in suppurated epithelial cysts of the sacrococcygeal area] Mironenko BA.
Klin Khir 11:70-3, Nov 70 (Rus)

[The Mongolian spot] Ayala Uribe MG.
Int J Dermatol 9:180-5, Jul-Sep 70 (Spa)

[Sacrococcygeal keratoacanthoma] Ghenadenic E.
Prensa Med Argent 57:614-6, 29 May 70 (Spa)

[Sacral teratoma (sacrococcygeal teratoma)] Vardar A, et al. Tip Fak Mecm 32:674-80, 1969 (Tur)

ABNORMALITIES

[Radiologic contribution to the classification of sacro-coccigeal dysplasia] Sacco M.
Nunt Radiol 34:869-99, Sep 68 (Ita)

PATHOLOGY

Pilonidal sinus of the suprapubic region. Logan G, et al.
Aust NZ J Obstet Gynaecol 11:60-2, Feb 71

RADIOGRAPHY

Presacral extension of carcinoma of the cervix. Lang EK. J La State Med Soc 122:314-5, Oct 70

[Sacro-coccygeal chordoma. Report of a case with unusual clinico-radiological manifestations] Placanica A, et al. Nunt Radiol 35:181-98, Feb 69 (Ita)

SURGERY

Interposed flap reconstruction of extensive sacral defects. Rapperport AS, et al.
Am J Proctol 22:29-35, Feb 71

Radical cure of pilonidal sinus by Z-plasty. Bose B, et al.
Am J Surg 120:783-6, Dec 70

Sacrococcygeal perineal approach to imperforate anus. The Stephens procedure. Miller RC, et al.
Am J Surg 121:62-7, Jan 71

Giant sacrococcygeal teratoma in the newborn. Case report and review of the literature. Salaymeh MT.
Int Surg 56:56-60, Jul 71

The principles of treatment of sacrococcygeal pilonidal sinus. Patey DH. Proc R Soc Med 63:939-40, Sep 70

[New surgical method for sacrococcygeal fistulas] Gerhard H. Zentralbl Chir 95:382-5, 21 Mar 70 (Ger)

[Fatal complication following use of trimecaine] Ol'khovik VP, et al.
Eksp Khir Anesteziol 15:83, Jul-Aug 70 (Rus)

[Sacrococcygeal cysts treated by simple drainage and curettage] Puente Dominguez JL, et al.
Rev Esp Enferm Apar Dig 34:549-54, 1 Jun 71 (Spa)

SACROILIAC JOINT (A2)

Ulcerative colitis and sacroiliitis: a family study. Macrae IF, et al. Ann Rheum Dis 29:559-60, Sep 70

Septic abortion and sacroiliitis. Watt I.
Proc R Soc Med 64:55-6, Jan 71

Arteriography in Ewing's tumor. Kittredge RD.
Radiology 97:609-10, Dec 70

[Circumscribed sacroiliitis in pregnancy] Popnikolov S. Akush Ginekol (Sofiia) 9:170-1, 1970 (Bul)

[Unusual form of Bechterew's disease] Kaňková D, et al. Fysiatr Reumatol Vestn 49:76-80, Apr 71 (Cze)

[Radicular lumbo-sacral syndrome and its treatment in hospital environment] Bernbach H, et al.
Rev Med Suisse Romande 90:945-56, Dec 70 (Fre)

[Melitococcal sacro-ileitis] Serre H, et al.
Sem Hop Paris 46:3311-7, 8 Dec 70 (Fre)

[Degenerative changes in sacro-iliac joint, their symptomatology and therapy] Tönnis D.
Beitr Orthop Traumatol 17:680-2, Oct 70 (Ger)

[Sacroiliitis, Reiter's disease and spinal rheumatism] Ott VR. Dtsch Med J 20:301-7, 27 May 69 (Ger)

[Pelvospondylitis in Fiessinger-Leroy-Reiter syndrome] Delbarre F, et al.
Verh Dtsch Ges Rheumatol 1:195-200, 1969 (Ger)

[Biopsy differential diagnosis of sacroiliitis] Maier K.
Verh Dtsch Ges Rheumatol 1:47-56, 1969 (Ger)

[Arthrosis of the iliosacral joint and indication for its arthrodesis (proper surgical method)] Metz B.
Z Orthop 107:315-34, Jan 70 (Ger)

[Sacroiliac arthrosis in poliomyelitis] Semeraro G.
Arch Putti Chir Organi Mov 25:243-56, 1970 (Ita)

[Approaches to the sacral-iliac articulation in tubercular sacroiliitis and its complications] Nigaĭ GA. Khirurgiia (Mosk) 22:76-9, Apr 69 (Rus)

[Clinical and radiological considerations on psoriatic arthritis] Gomez Carpio M, et al.
Rev Med Chil 98:616-22, 1970 (Spa)

PHYSIOPATHOLOGY

[Irritations of the iliosacral joint, their symptomatics and therapy] Tönnis D, et al.
Arch Orthop Unfallchir 68:358-69, 1970 (Ger)

RADIOGRAPHY

Grading of films for sacro-iliitis in populatin studis. Macrae IF, et al. Ann Rheum Dis 30:58-66, Jan 71

SACRUM (A2)

Proctalgia fugax: recurrent fulminating coccygodynia. A report of three cases with a review of the literature.
Eibel P. Clin Orthop 73:116-20, Nov-Dec 70

Investigation of voluntary and primary respiratory mechanisms. Mitchell FL Jr, et al.
J Am Osteopath Assoc 70:1109-13, Jun 71

Ureteral sciatic hernias: case report of an infant with bilateral ureteral herniation into the sciatic foramina.
Bohnert WW. J Urol 106:142-3, Jul 71

Anterior sacral meningocele as a gynecologic problem. Report of a case. Vogel EH.
Obstet Gynecol 36:766-8, Nov 70

Anterior sacral meningocele in association with Marfan's syndrome. Strand RD, et al.
Radiology 99:653-4, Jun 71

[Pseudo lower ureteral syndrome of osseous origin: the subinguinal point] Lethé P.
Acta Urol Belg 38:87-92, Jan 70 (Fre)

[Ultrastructural study of a sacral chordoma] Cesarini JP, et al.
Arch Anat Pathol (Paris) 19:95-102, Mar 71 (Fre)

[Sacral ependymoma] Fontaine J.
J Belge Radiol 53:143-6, Mar-Apr 70 (Fre)

[Anterior sacral meningocele. Review of the literature

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and presentation of a case] Thierry A, et al. Neurochirurgie 15:389-412, Sep-Oct 69 (Fre)
[Lumbosacral interbody arthrodesis] Debeyre J, et al. Rev Chir Orthop 55:499-514, Sep 69 (Fre)
[Reduction and fixation of spondylolisthesis and spondyloptosis] Michel CR. Rev Chir Orthop 57:Suppl 1:148+, 1971 (Fre)
[Sacral chordoma: long remission after local radiotherapy] Cayla J, et al. Rev Rhum Mal Osteoartic 36:210-4, Apr 69 (Fre)
[Determinism of inter-apophyseal joint arthrosis and of vertebral sliding at the level of lumbosacral junction of hyperlordosic spines] Wellinger C. Rev Rhum Mal Osteoartic 37:561-70, Aug-Sep 70 (Fre)
[Critical examination of sacral rhizotomy in the treatment of pains in the pelvic area] Meyer E. Langenbecks Arch Chir 322:587-93, 1968 (Ger)
[Caudal anesthesia in pediatrics. Modifications of the puncture technic] Martelete M, et al. Rev Bras Anestesiol 20:512-7, Oct-Dec 70 (Por)
[Perineal-transsacral approach to a tubercular focus of the sacrum] Znamenskif MS. Khirurgiia (Mosk) 46:131-2, Sep 70 (Rus)
[Functional state of the segmentary and major vertebral muscles in sacral osteochondrosis] Popelianskif IaIu, et al. Zh Nevropatol Psikhiatr 70:126-31, 1970 (Rus)
[Sacrococcygeal chordoma] Petrone C, et al. Prensa Med Argent 57:609-13, 29 May 70 (Spa)
[Giant cell sarcoma of the sacral bone] Pobrić S. Med Glas 24:80-4, Feb 70 (Cro)

ABNORMALITIES

Is sacralization a significant factor in lumbar pain? Tilley P. J Am Osteopath Assoc 70:238-41, Nov 70
Anterior sacral meningocele, anal canal duplication cyst and covered anus occurring in one family. Aaronson I. J Pediatr Surg 5:559-63, Oct 70
[Lumbarization of the first sacral vertebra and osseous bridge between the transverse apophyses of the 4th and 5th lumbar vertebrae] Dosen M, et al. Rev Chir Orthop 57:69-72, Jan-Feb 71 (Fre)

ANATOMY & HISTOLOGY

[Inclination of the 1st sacral vertebra] Dörr H, et al. Zentralbl Gynaekol 92:265-7, 28 Feb 70 (Ger)
[Anatomical structure of utero-sacral ligaments] Brizzi E. Arch Ital Anat Embriol 75:85-99, 1970 (Ita)

INNERVATION

[Sacral portion of the sympathetic trunk in catarrhine monkeys] Projzner-Morawska A. Folia Morphol (Warsz) 30:207-17, 1971 (Pol)

PATHOLOGY

[Lumbosacral spondylolisthesis. Anatomopathological basis] Louis R. Rev Chir Orthop 57:Suppl 1:99+, 1971 (Fre)
[Microscopic anatomy of spondylolysis] Taillard W. Rev Chir Orthop 57:Suppl 1:106, 1971 (Fre)

RADIOGRAPHY

Roentgen findings in the craniosacral mechanism. Greenman PE. J Am Osteopath Assoc 70:60-71, Sep 70
[Lumbosacral spondylolisthesis. Radiological examination] Massare C, et al. Rev Chir Orthop 57:Suppl 1:110-4, 1971 (Fre)

SURGERY

[Lumbosacral spondylolisthesis. Intersomatic anterior arthrodesis. I. History] Cauchoix J. Rev Chir Orthop 57:Suppl 1:125, 1971 (Fre)
[Lumbosacral spondylolisthesis. 3. Associated anterior and posterior arthrodesis] Cauchoix J. Rev Chir Orthop 57:Suppl 1:131-7, 1971 (Fre)
[Lumbosacral spondylolisthesis. II. Intersomatic anterior arthrodesis in the treatment of L.P.S. of less than 50 per cent] Goutallier D. Rev Chir Orthop 57:Suppl 1:125+, 1971 (Fre)
[Lumbosacral spondylolisthesis. V. Stabilization of spondylolisthesis of more than 50 per cent and of spondyloptosis] Lord G. Rev Chir Orthop 57:Suppl 1:141-7, 1971 (Fre)
[Lumbosacral spondylolisthesis. IV. Fixed intersomatic anterior arthrodesis] Mazas F. Rev Chir Orthop 57:Suppl 1:137+, 1971 (Fre)
[Lumbosacral spondylolisthesis. Spinal posterior arthrodesis] Moreau CA. Rev Chir Orthop 57:Suppl 1:121-4, 1971 (Fre)
[Lumbosacral spondylolisthesis. Gill's operation] Picault C. Rev Chir Orthop 57:Suppl 1:118+, 1971 (Fre)
[Lumbosacral spondylolisthesis. Indications of surgical treatment] Picault C. Rev Chir Orthop 57:Suppl 1:158+, 1971 (Fre)
[Correction of vaginal cupola prolapse by means of sacrocolpopexy] Díaz-Garzón J. Rev Colomb Obstet Ginecol 22:39-40, Jan-Feb 71 (Spa)

SADISM (F2)

More about rats and rat people. Shengold L. Int J Psychoanal 52:277-88, 1971
The sadisti murderer. Brittain RP. Med Sci Law 10:198-207, Oct 70
[In defiance of nosology] Koupernik C. Rev Neuropsychiatr Infant Suppl:5-8, 1968 (Fre)

SAFETY see under ACCIDENT PREVENTION (G3)

SAFETY DEVICES see under PROTECTIVE DEVICES (E5, J)

SAFFLOWER OIL see under FATTY ACIDS, ESSENTIAL (D11)

SAILORS see under MILITARY PERSONNEL (M)

SALAMANDERS (B2)

Comparison of actions of aminophylline and pentagastrin on Necturus gastric mucosa. Nakajima S, et al. Am J Physiol 219:1259-62, Nov 70
The effects of infused material upon the regeneration of newt limbs. 3. Blastemal extracts and alkaline phosphatase in irradiated limb stumps. Deck JD, et al. Anat Rec 168:525-35, Dec 70
Experiments on a spontaneously orginated visceral tumor in the newt, Triturus pyrrhogaster. Inoue S, et al. Ann NY Acad Sci 174:729-64, 30 Oct 70
The role of innervation in the manifestation of the digits in transplanted regeneration blastemas of the axoloti (Ambystoma mexicanum). Faber J, et al. Arch Biol (Liege) 81:215-27, 1970
A spontaneous mesenchymal cell neoplasm in the adult newt, Diemictylus viridescens. Burns ER, et al. Cancer Res 31:826-9, Jun 71
A nephroblastoma in a fire-bellied newt, Cynops pyrrhogaster. Zwart P. Cancer Res 30:2891-4, Nov 70
A fresh look at meiosis and centromeric heterochromatin in the red-backed salamander, Plethodon cinereus cinereus (Green). Kezer J, et al. Chromosoma 33:146-66, 1971
The chromosomal localization of a heavy satellite DNA in the testis of Plethodon c. cinereus. Macgregor HC, et al. Chromosoma 33:167-82, 1971
Effects of alpha-amanitin on Triturus lampbrush chromosomes. Mancino G, et al. Exp Cell Res 64:237-9, Jan 71
Mitotic karyotype and nucleoli of the marbled newt Triturus marmoratus (Latreille). Nardi I, et al. Experientia 27:424-7, 15 Apr 71
Tumours in reptiles inoculated with chicken Rous sarcoma material. Veskova TK, et al. Folia Biol (Praha) 16:353-5, 1970
Pronase method for isolation of viable cells from Necturus gastric mucosa. Blum AL, et al. Gastroenterology 61:189-200, Aug 71
Developmental potentialities of blastema cell nuclei of the Mexican Axoloti. Dasgupta S. J Exp Zool 175:141-5, Oct 70
Regeneration of larval urodele limbs containing homoplastic transplants. Foret JE. J Exp Zool 175:297-321, Nov 70
Transneuronal effects on amphibian limb regeneration. Tweedle C. J Exp Zool 177:13-29, May 71
Control of mitotic activity in Wolffian lens regenerration. Yamada T, et al. J Exp Zool 177:119-28, May 71
Variations and developmental abnormalities in the sexual apparatus of the adult axoloti (Siredon mexicanum). Brunst VV. J Morphol 133:457-93, Apr 71
A quantitative electron microscope analysis of peripheral nerve in the urodele amphibian in relation to limb regenerative capacity. Egar M, et al. J Morphol 133:387-97, Apr 71
Tolerance, limb regeneration and collagen fibrogenesis under high oxygen concentrations by the adult newt, Diemictylus viridescens. Schmidt AJ, et al. J Morphol 133:167-78, Feb 71
A new method of housing axolotis and other aquatic amphibians. Justus JT, et al. Lab Anim Sci 21:110-1, Feb 71
Transmission of an amphibian lymphosarcoma to and through insects. Nayar KK, et al. Oncology 24:370-7, 1970
Differentiation of ectopic retinal structures in the hypothalamo-hypophysial area in the adult crested newt bearing a permanent hypothalamic lesion. Sacerdote M. Z Anat Entwicklungsgesch 134:49-60, 1971
Ultrastructural study on cell-virus relationships in the thyroid of a salamander (Ambystoma macrodactylum Baird). Larsen JH Jr. Z Zellforsch Mikrosk Anat 95:511-9, 1969
[Autoradiographic study of the effect of x-rays on DNA and RNA synthesis during segmentation and gastrulation of Pleurodeles waltili Michah] Alexandre H. Arch Biol (Liege) 81:139-62, 1970 (Fre)
[Study, by cutaneous homografts, of immune reactions in isogenic individuals obtained by nuclear transplantation in the newt Pleurodeles waltili Michah] Aimar C. C R Acad Sci [D] (Paris) 272:2221-4, 26 Apr 71 (Fre)
[Glucose-6-phosphatase acitvity in the hepatocytes and interrenal cells of Salamandra salamandra L. (Amphibia urodele). Ultrastructural localization] Berchtold JP, et al. C R Acad Sci [D] (Paris) 271:2141-4, 9 Dec 70 (Fre)
[Topography of larval mitotic chromosomes in 2 species of urodeles] Labrousse M. C R Acad Sci [D] (Paris) 271:2134-6, 9 Dec 70 (Fre)
[Cases of thyroid hypertrophy (goiters) in Pleurodeles (urodele amphibian) during laboratory rearing] Chibon P. C R Soc Biol (Paris) 164:817-20, 1970 (Fre)
[Evolution of skin hemografts in the larva of Pleurodeles watili Michah] Orfila C, et al. C R Soc Biol (Paris) 164:1124-8, 1970 (Fre)
[Cytophotometric study of the non-homogeneity of the cell nucleus during the process of differentiation in the mesoderm of Triturus vulgaris] Kiliovska M, et al. Dokl Bolg Akad Nauk 23:423-6, 1970 (Fre)
[The influence of estrogen on ovogenesis in the crested newt, Triturus cristatus] Portmann-Riemann W. Rev Suisse Zool 77:963-9, 1970 (Fre)
[Ultrastructural study of the interrenal cells of Salamandra salamandra L. (Amphibiam Urodeles). II. Effect of endogenous ACTH] Berchtold JP. Z Zellforsch Mikrosk Anat 110:517-39, 1970 (Fre)
[Ultrastructural study of the interrenal cells of Salamandra salamandra L. (Amphibiam Urodeles). II. Effect of endogenous ACTH] Berchtold JP. Z Zellforsch Mikrosk Anat 10:517-39, 1970 (Fre)
[Differentiated tadpole preying by salamanders] Heusser H. Experientia 27:475-6, 15 Apr 71 (Ger)
[Further observations on autoplastic and homoplastic transplants of spinal medulla in adult tritons] Margotta V, et al. Acta Embryol Exp (Palermo) 2:151-62, 1970 (Ita)
[On the presence of a short "feedback" mechanism in the regulation of prolactin in the Triturus cristatus] Mazzi V, et al. Boll Soc Ital Biol Sper 46:149-50, 28 Feb 70 (Ita)
[Characteristics of the mitotic cycles of the pigment epithelium and rudimentary retina cells during retina regeneration in adult newts (Triturus cristatus and Triturus taeniatus)] Mitashov VI. Dokl Akad Nauk SSSR 189:666-9, Nov 69 (Rus)
[Dynamics of DNA synthesis in pigment epithelium cells of adult tritons during regeneration of the eye following resection of the optic nerve and blood vessels] Mitashov VI. Tsitologiia 12:1521-9, Dec 70 (Rus)
[Tumors and cysts in reptiles due to fowl sarcoma virus] Veskova TK, et al. Vopr Virusol 15:217-20, Mar-Apr 70 (Rus)

ANATOMY & HISTOLOGY

Fine structure of the taste bud in the mud puppy, Necturus maculosus. Farbman AI, et al. Am J Anat 131:353-69, Jul 71
Development of the amphibian pineal organ; fine structure during maturation. Hendrickson AE, et al. Anat Rec 170:129-42, Jun 71
Fine structural study on the origin and development of the sphincter pupillae muscle in the West Coast newt (Taricha torosa). Tonosaki A, et al. Anat Rec 170:57-74, May 71
Long-term organ culture of the salamander heart. Millhouse EW Jr, et al. J Cell Biol 48:1-14, Jan 71
[Nature and development of the basic proteins during the spermiogenesis in Pleurodeles waltili Michah., Urodele amphibian] Picheral B. Histochemie 23:189-206, 1970 (Fre)
[Unusually large spherical liquid bodies in the ependyma and subependyma of the fire salamander] Arnold W. Z Zellforsch Mikrosk Anat 106:523-38, 1970 (Ger)
[Asymmetry: rule or exception?] Kemali M. Acta Neurol (Napoli) 25:476-88, Jul-Aug 70 (Ita)

CYTOLOGY

Light and electron microscopic investigations on the endocrine pancreas of the newt (Triturus v. vulgaris (L.). Trandaburu T. Z Mikrosk Anat Forsch 82:322-40, 1970

EMBRYOLOGY

The effect of temperature differentials upon the differentiation of Mauthner's cell in Ambystoma. Piatt J. Anat Rec 169:41-3, Jan 71
Behaviour of histones and cytoplasmic basic proteins during embryogenesis of the Japanese newt, Triturus pyrrhogaster. Asao T. Exp Cell Res 58:243-52, Dec 69
Actin-like filaments in the cleavage furrow of newt egg. Perry MM, et al. Exp Cell Res 65:249-53, Mar 71
Effect of temperature differentials upon reconstitution of embryonic primordia in Ambystoma. Piatt J. J Embryol Exp Morphol 25:339-45, Jun 71
[Action of puromycin and an analogous substance on the differentiation of amphibian embryonic cells

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cultured in vitro] Duprat AM.
J Embryol Exp Morphol 24:119-38, Aug 70 (Fre)
[Mirror-image asymmetries of habenular nuclei in parabiotic salamanders] Kraft A von.
Naturwissenschaften 58:326-7, Jun 71 (Ger)

ENZYMOLOGY

[Ultrastructural localization of alkaline phosphatase activity in interrenal cells of the amphibian urodele, Triturus cristatus] Berchtoid JP, et al.
Histochemie 26:258-65, 1971 (Fre)
[Enzyme maturation in the smell organ and telencephalon of Ambystoma mexicanum] Wenk H, et al. Z Mikrosk Anat Forsch 82:93-121, 1970 (Ger)

GROWTH & DEVELOPMENT

The biochemical effects of the d, m, and a genes on pigment cell differentiation in the axoloti. Benjamin CP. Dev Biol 23:62-85, Sep 70
The effects of denervation on the ultrastructure of young limb regenerates in the newt, Triturus. Bryant SV, et al. Dev Biol 24:577-95, Apr 71
Prolactin--thyroid interaction in the newt, Diemictylus viridescens. Gona AG, et al.
J Endocrinol 48:585-90, Dec 70
Ontogeny of cranial ossification in the small-mouthed salamander, Ambystoma texanum (Matthes). Bonebrake JE, et al. J Morphol 133:189-203, Feb 71
[Development of a reticular complex during the evolution of primary spermatogonia in Triturus helveticus Razoumowsky] Sentein P, et al.
Arch Anat Microsc Morphol Exp 60:83-93, Jan-Mar 71 (Fre)
[Development of the osteocranium in the axoloti (Siredon mexicanum Shaw)] Heydecke R.
Gegenbaurs Morphol Jahrb 114:241-57, 1969 (Ger)

IMMUNOLOGY

Inhibition of lens regeneration in the eye of the adult newt, Diemictylus viridescens. Wedlock DE, et al.
Experientia 27:180-1, 15 Feb 71
Liver-induced immunosuppression of allograft immunity in urodele amphibians. Baldwin WM 3d, et al. Transplantation 10:530-7, Dec 70

METABOLISM

DNA synthesis and the incorporation of labeled iris cells into the lens during lens regeneration in adult newts. Reyer RW. Dev Biol 24:533-58, Apr 71
On the activating effect of prolactin on thyroid metabolism in the crested newt. Comparison between the effect of prolactin and methylthiouracil. Peyrot A, et al. Gen Comp Endocrinol 16:524-34, Jun 71
Studies on the uptake of 125-I-triiodo-L-thyronine and 14 C-L-thyroxine by Mexican axoloti tissues. Prahlad KV, et al. J Exp Zool 176:129-35, Feb 71
Evolution of blood oxygen transport in the newt, Taricha. Coates ML, et al.
Resp Physiol 11:94-103, 1970-71

PHYSIOLOGY

Adaptation of larval Ambystoma tigrinum to concentrated environments. Kirschner LB, et al.
Am J Physiol 220:1814-9, Jun 71
Neurosecretion in adult Salamandra salamandra L. Srebro Z. Folia Biol (Krakow) 18:271-4, 1970
Sodium and water movement across the urinary bladder of a urodele amphibian (th mudpuppy Necturus maculosus): studies and vasotocin and aldosterone. Bentley PJ.
Gen Comp Endocrinol 16:356-62, Apr 71
Interspecific relationships of oviducal materials as related to fertilization in amphibia. Shaver JR, et al.
J Embryol Exp Morphol 24:209-25, Aug 70
Adaptation in a vertebrate retina: intracellular recording in Necturus. Werblin FS.
J Neurophysiol 34:228-41, Mar 71
Selective predation by newts on frog tadpoles treated with DDT. Cooke AS.
Nature (Lond) 229:275-6, 22 Jan 71
Neurosecretion in the median eminence of the axoloti after induction of metamorphosis. Iturriza FC.
Neuroendocrinology 7:156-63, 1971
Effects of metamorphosis on blood respiratory properties and erythrocyte adenosine triphosphate level of the salamander Dicamptodon ensatus (Eschscholtz). Wood SC. Resp Physiol 12:53-65, Apr 71
An analytical survey of the literature on the endocrinology of the axoloti (Amphibia: caudata). Smith RB, et al. Trans Kans Acad Sci 73:319-47, Fall 70
[Heterotopic homoplastic transplantation of spinal cord segments in the adult newt. Phenomena of degeneration and regeneration] Margotta V, et al.
Arch Biol (Liege) 80:347-68, 1969 (Fre)
[Incorporation of precursors of nucleic acids in the axoloti limb in the process of regeneration] Lazard L.
C R Acad Sci [D] (Paris) 271:2031-4, 30 Nov 70 (Fre)
[Autoradiographic study of the renewal of intestinal epithelium of the axoloti (urodele amphibian)] Martin R.
C R Acad Sci [D] (Paris) 272:2816-9, 2 Jun 71 (Fre)
[The effect of experimentally induced metamorphosis on the telencephalon and olfactory organ of Ambystoma mexicanum] Richter W, et al.
Z Mikrosk Anat Forsch 82:172-218, 1970 (Ger)
[Experimental studies on the regeneration of the telencephalon of Ambystoma mexicanum after the resection of both hemispheres] Winkelmann E, et al.
Z Mikrosk Anat Forsch 82:149-71, 1970 (Ger)
[Seasonal changes in the blood picture of Triturus cristatus] Garavini C.
Riv Biol 63:459-82, Jul-Dec 70 (Mul)

RADIATION EFFECTS

Response of newt larvae to x-irradiation. Friedmann GB, et al. Can J Zool 48:1017-21, Sep 70
The effect of dimethyl sulphoxide on the radiation response of the rough-skinned newt (Taricha granulosa). Lappenbusch WL, et al.
Int J Radiat Biol 18:217-33, 1970
Effect of circadian rhythm on the radiosensitivity of the rough-skinned newt (Taricha granulosa). Lappenbusch WL.
J Radiat Res (Tokyo) 11:134-7, Sep-Dec 70
[Localization and transmission of a viable chromosomal mutation on Pleurodeles waltlii Michah. (Amphibia, Urodela)] Labrousse M.
Chromosoma 33:409-20, 1971 (Fre)

SALICYLAMIDES (D2, D6)

False negative immediate photopatch test to tribromsalan. Shelmire D.
Arch Dermatol 103:223-4, Feb 71
Non-antigenicity of a salicylamide derivative of aspirin. Sethi PD, et al. J Pharm Pharmacol 22:852, Nov 70
Mechanism of action of starch as a tablet disintegrant IV: effect of medicaments and disintegrants on mean pore diameter and porosity. Lowenthal W, et al.
J Pharm Sci 60:1325-32, Sep 71

ADMINISTRATION & DOSAGE

Radical treatment of Hymenolepis nana with niclosamide. Ahkami S, et al.
J Trop Med Hyg 73:258-9, Oct 70
[Value of percutalgine in rheumatology] Cibert M, et al.
Rev Lyon Med 19:567-76, Aug-Sep 70 (Fre)

ADVERSE EFFECTS

[Study of the acute toxicity, for sheep, of a new fasciolocide: 3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy)-salicylanilide] Guilhon J, et al.
Bull Acad Vet Fr 44:33-7, Jan 71 (Fre)

CHEMICAL SYNTHESIS

Synthesis of some benzofuran-carboxamide derivatives and their analgesic activity. Hishmat OH, et al.
Arzneim Forsch 21:1026-8, Jul 71

DIAGNOSTIC USE

[Development of glycurone conjugation in premature infants treated with barbiturates. In vivo studies by means of the salicylamide test] Ciampolini M, et al.
Riv Clin Pediatr 82:291-5, Oct-Dec 69 (Ita)
[Glycurone conjugation in the premature infant. In vivo study by means of salicylamide test] Ciampolini M, et al. Riv Clin Pediatr 82:185-91, Oct-Dec 69 (Ita)

METABOLISM

[Study of absorption of phenasal administered orally to white rats] Gladkikh VF, et al.
Med Parazitol (Mosk) 39:88-91, Jan-Feb 70 (Rus)

PHARMACODYNAMICS

Stoichiometric aspects of uncoupling of oxidative phosphorylation by a salicylanilide derivative. Kaplay M, et al. Biochemistry 9:3599-604, 1 Sep 70
Preliminary studies of the pharmacological effects of 5-[1-hydroxy-2-((1-methyl-3-phenylpropyl)amino)-ethyl] salicylamide (AH 5158) in man. Boakes AJ, et al.
Clin Sci 40:18P-19P, Apr 71
Estimation of drug metabolite elimination kinetics in man by the synthesis-blocking method. Levy G, et al.
J Pharm Pharmacol 22:964-5, Dec 70
[The reaction of the livers of white rats to choleretic drugs following resection] Garbarets MA.
Biull Eksp Biol Med 66:69-71, Nov 68 (Rus)

THERAPEUTIC USE

Yomesan (niclosamide) therapy of Hymenolepis nana infections. Most H, et al.
Am J Trop Med Hyg 20:206-8, Mar 71
Efficacy of rafoxanide against natural Fasciola hepatica infections in cattle. Knapp SE, et al.
Am J Vet Res 32:1289-91, Aug 71
The anthelmintic efficiency of clioxanide and rafoxanide against Fasciola hepatica and Haemonchus contortus in sheep. Campbell NJ, et al.
Aust Vet J 47:5-8, Jan 71
A third class of anti-arrhythmic action. Effects on atrial and ventricular intracellular potentials, and other pharmacological actions on cardiac muscle, of MJ 1999 and AH 3474. Singh BN, et al.
Br J Pharmacol 39:675-87, Aug 70
Efficacy of niclosamide for the removal of tapeworms (Dipylidium caninum and Taenia pisiformis) from dogs. Poole JB, et al.
J Am Vet Med Assoc 159:78-80, 1 Jul 71
Effect of bilirubin on drug conjugations in children. Levy G, et al. Pediatrics 47:811-7, May 71
The efficacy of 3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy)-salicylanilide against immature Fasciola hepatica in sheep. Campbell WC, et al.
Res Vet Sci 11:99-100, Jan 70
The efficacy of rafoxanide (3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy) salicylanilide) against Haemonchus contortus in sheep. Egerton JR, et al. Res Vet Sci 11:382-8, Jul 70
The anthelmintic activity of rafoxanide against immature Fasciola hepatica in sheep. Armour J, et al.
Vet Rec 87:213-4, 15 Aug 70
Preliminary trials of oxyclozanide in Belgium. Cotteleer C, et al. Vet Rec 89:114-5, 24 Jul 71
The efficacy of Rafoxanide against the larval stages of Oestrus ovis in sheep. Roncalli RA, et al.
Vet Rec 88:289-90, 13 Mar 71
Treatment of experimental Fasciola hepatica infection of sheep with rafoxanide. Ross DB.
Vet Rec 87:110-1, 25 Jul 70
[An anthelmintic for bothriocephaliasis in carp: n--2'-chlor-4'-nitrophenyl-5-chlorsalicylamide] Mouzykovski AM.
Bull Off Int Epizoot 69:1539-40, Sep-Oct 68 (Fre)
[Clinical trials of a percutaneous cortico-salicylic association in rheumatology] Verhaeghe A, et al.
Lille Med 15:Suppl 5:1022+, Aug-Sep 70 (Fre)
[Use of a new antirheumatic drug: midalgyl] Vignon G, et al. Presse Med 78:2145-6, 14 Nov 70 (Fre)
[Use of a new antalgic anti-inflammatory agent in otorhinolaryngology] Portmann M, et al.
Rev Laryngol Otol Rhinol (Bord) 92:235-8, Mar-Apr 71 (Fre)
[Clinical experience and angiomyographic control with a new experimental Glutisal-buton preparation] Szirmai E, et al.
Acta Med Okayama 24:355-63, Jun 70 (Ger)
[Antipyretic effect of togal suppositories for children] Preidel H. Med Monatsschr 24:318-9, Jul 70 (Ger)
[Effects of a triamcinolone-salicylamide combination in painful diseases of supporting system. Summarized experiences of 45 residential physicians] Lauschner EP. Z Allgemeinmed 47:964-6, Jun 71 (Ger)
[Treatment of trichocephaliasis with N-(2'-chlor-4'-nitrophenyl)-5-chlorsalicylamide] Adamo F, et al. Clin Ter 53:391-403, 15 Jun 70 (Ita)
[Synthesis of fenasal esters and their antihelminthic activity] Bekhli AF, et al.
Med Parazitol (Mosk) 39:532-4, Sep-Oct 70 (Rus)
[The period of dispensary follow-up in Taeniarchynchus saginatus infestation] Frolova AA.
Med Parazitol (Mosk) 39:108-9, Jan-Feb 70 (Rus)
[Experience of diphyllobothriasis control in the Volgograd region] Prokopenko LI, et al.
Med Parazitol (Mosk) 39:442-7, Jul-Aug 70 (Rus)
[A trial of mansonyl and oxyde for monieziasis in calves] Gapon NM, et al.
Veterinariia 1:61-2, Jan 71 (Rus)
[Phenesal and hexachlorophene in canine cestodiasis] Leushin NV. Veterinariia 1:69, Jan 71 (Rus)
[Fenasal antihelmintic treatment in anoplocephalatosis in sheep] Vyshemirskii IP, et al.
Veterinariia 8:66-7, Aug 70 (Rus)

URINE

Drug biotransformation interactions in man. 3. Acetaminophen and salicylamide. Levy G, et al.
J Pharm Sci 60:215-21, Feb 71

SALICYLATES (D2, D6)

Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71
Evidence for a medium-chain fatty acid: coenzyme A ligase (adenosine monophosphate) that activates salicylate. Killenberg PG, et al.
Mol Pharmacol 7:260-8, May 71

ADMINISTRATION & DOSAGE

[Influence of the excipient on the absorption of glycol salicylate administered in ointments by cutaneous and rectal routes] Febvre P, et al.
C R Soc Biol (Paris) 164:1700-5, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Experimentation on 138 traumatologic and rheumatologic cases treated with a percutaneous local corticoid-salicylate combination] Rouzaud A. Rhumatologie 23:61-3, Feb 71 (Fre)

ADVERSE EFFECTS

Salicylate-induced hypoprothrombinemia. A report of four cases. Fausa O. Acta Med Scand 188:403-8, Nov 70
Intensified contact sensitization to benzyl salicylate. Phototoxic effects of topical psoralen therapy. Kahn G. Arch Dermatol 103:497-500, May 71
Salicylates and papillary necrosis. Nanra RS, et al. Br Med J 2:45, 3 Apr 71
Salicylates and papillary necrosis. Steele TW. Br Med J 4:306, 31 Oct 70
Assessment of drug-induced occult bleeding. Cuddigan JH, et al. Rheumatol Phys Med 11:36-9, Feb 71
[Salicylates and gastrointestinal bleeding] Jacobsen CD. Tidsskr Nor Laegeforen 91:381, 20 Feb 71 (Nor)
[Effect of salicylates on the gastric mucous membrane, as studied by gastrokamera and radiography] Edmar D, et al. Nord Med 84:1314, 8 Oct 70 (Swe)

ANALYSIS

A method for the determination of small quantities of salicylate metabolites in the presence of a great excess of salicylic acid. Putney JW, et al. Arch Int Pharmacodyn Ther 188:119-26, Nov 70
The relation between circulating and tissue concentrations of salicylate in the mouse in vivo. McArthur JN, et al. J Pharm Pharmacol 22:801-5, Nov 70

BIOSYNTHESIS

Enzymatic conversion of salicylate to salicylurate. Forman WB, et al. Mol Pharmacol 7:247-59, May 71

BLOOD

Serum transaminases during salicylate therapy. Lee-Jones M. Br Med J 2:772-3, 26 Jun 71
The relation between circulating and tissue concentrations of salicylate in the mouse in vivo. McArthur JN, et al. J Pharm Pharmacol 22:801-5, Nov 70
The binding of indomethacin, salicylate and phenobarbitone to human whole blood in vitro. McArthur JN, et al. J Pharm Pharmacol 23:32-6, Jan 71
Serum salicylate levels in blood donors. McCann WP, et al. JAMA 214:753-4, 26 Oct 70
Plasma salicylate levels in rheumatoid arthritis produced by four different salicylate preparations. Armstrong BK, et al. Med J Aust 2:653-4, 3 Oct 70
A study of propoxyphene and salicylate concentrations in human plasma following the administration of propoxyphene napsylate and aspirin. Nash JF, et al. Toxicol Appl Pharmacol 19:537-45, Jul 71

CHEMICAL SYNTHESIS

Synthesis of alkysalicylic acids as antimicrobial agents. Buckley D, et al. J Med Chem 14:265, Mar 71
[Synthesis of 5-chloro-6-methyl-salicylic acid methyl ether, a degradation product of chlorothricin] Muntwyler R, et al. Helv Chim Acta 53:1544-7, 1970 (Ger)

METABOLISM

Salicylate metabolism in man. Davison C. Ann NY Acad Sci 179:249-68, 6 Jul 71 (50 ref.)
Urine pH and salicylate therapy. Levy G, et al. JAMA 217:81, 5 Jul 71
Experimental salicylate poisoning: observations on the effects of altering blood pH on tissue and plasma salicylate concentrations. Hill JB. Pediatrics 47:658-65, Apr 71
Effect of ethanol on the conjugation of benzoate and salicylate with glycine in man. Amsel LP, et al. Proc Soc Exp Biol Med 135:813-6, Dec 70
[Copper absorption with dietary administration of gluconic, citric, salicylic and oxalic acids. 7. Dynamics of copper absorption] Kirchgessner M, et al. Z Tierphysiol 23:28-30, Sep 67 (Ger)
[Differential study of the Mycobacterium genus. Reduction of salicylate and picric acid tolerance at 0.1 per cent Sauton's medium] Carrada Bravo T, et al. Rev Lat Am Microbiol 12:169-72, Jul-Sep 70 (Spa)
[Analgesic drugs for peroral use] Anggård E. Lakartidningen 67:Suppl IV:103+, 14 Dec 70 (48 ref.) (Swe)

PHARMACODYNAMICS

Pharmacological properties of some antirheumatic salicylates. Aberg G, et al. Acta Pharmacol Toxicol (Kbh) 28:249-57, 1970
Salicylate-induced foetal damage during late pregnancy in mice: a comparison between sodium salicylate, acetylsalicylic acid and salicylsalicylic acid. Eriksson M. Acta Pharmacol Toxicol (Kbh) 29:250-5, 1971
The effect of salicylate on the glycogen content of the foetal liver and heart in two strains of mice. Eriksson M. Acta Pharmacol Toxicol (Kbh) 29:241-9, 1971
Antimicrobial activity of sodium n-alkylsalicylates. Buckley D, et al. Appl Microbiol 21:565-8, Apr 71
Histological changes in the skeletal elements of developing rat foetuses following treatment with sodium salicylate. Lansdown AB. Food Cosmet Toxicol 8:647-53, Dec 70
The effect of salicylate on the metabolism of normal and stimulated human lymphocytes in vitro. Pachman LM, et al. J Clin Invest 50:226-30, Jan 71
A phosphocreatine gradient opposite to that of glycogen in the organ of Corti and the effect of salicylate on adenosine triphosphate and P-creatine in cochlear structures. Krzanowski JJ Jr, et al. J Histochem Cytochem 19:321-3, May 71
The mechanism of the inhibitory action of salicylate on glutamyl-transfer ribonucleic acid synthetase in vitro. Burleigh M, et al. J Pharm Pharmacol 23:590-4, Aug 71
The site of the inhibitory action of salicylate on protein biosynthesis in vitro. Burleigh M, et al. J Pharm Pharmacol 23:519-27, Jul 71
Salicylates and gastric juice. Clarke AE, et al. J Pharm Pharmacol 22:853-5, Nov 70
The effects of salicylate on the concentrations of amino-acids in mouse tissues. Dawkins PD, et al. J Pharm Pharmacol 22:913-22, Dec 70
The effects of probenecid and salicylate on uric acid flux across red cell membranes. Naftalin RJ. J Physiol (Lond) 211:Suppl:47P+, Dec 70
Action of salicylate and acetate on frog muscle action potentials. Volle RL. Life Sci [I] 9:1239-47, 1 Nov 70
Salicylate: effect on membrane permeability of molluscan neurons. Barker JL, et al. Science 172:1245-7, 18 Jun 71
Effect of methyl salicylate on rat reproduction. Collins TF, et al. Toxicol Appl Pharmacol 18:755-65, Apr 71
[Blood sugar reducing effect of salicylates] Müller R. Hippokrates 42:127, Mar 71 (Ger)
[Salicylic acid derivatives as fibrinolysis activators] Bruhn HD. Verh Dtsch Ges Inn Med 75:490-2, 1969 (Ger)
[Salicylate action on adrenal vitamin C content in scurvy] Rokicki W, et al. Przegl Lek 27:291-3, 1971 (Pol)
[Unified criteria for assessing the efficacy of treatment of rheumatism] Nesterov AI, et al. Ter Arkh 41:3-6, Sep 69 (Rus)
[The effect of acetylsalicylate on the gastric mucosa. A histochemical study of the gastric mucosa in rats] Lindquist B. Nord Med 85:74-7, 21 Jan 71 (Swe)

POISONING

Salicylate intoxication and the CNS with special reference to EEG findings. Brown GL, et al. Dis Nerv Syst 32:135-40, Feb 71
A review of management of salicylate intoxication in children. Pelino DG. J Am Osteopath Assoc 69:1249-54, Aug 70
Reduced brain glucose with normal plasma glucose in salicylate poisoning. Thurston JH, et al. J Clin Invest 49:2139-45, Nov 70

THERAPEUTIC USE

A comparison of analgesic therapies for the relief of acute otalgia. Lawrence N. Br J Clin Pract 24:478-9, Nov 70
Influence of the duration of experimental fever on salicylate antipyresis in the rabbit. Cranston WI, et al. Br J Pharmacol 41:344-51, Feb 71
The value of a salicylate-free analgesic following dental surgery. Rhodes RA. Curr Ther Res 12:645-7, Oct 70
Antipyretic properties of some metabolic and structural analogues of sodium salicylate. Cranston WI, et al. J Physiol (Lond) 216:81P-82P, Jul 71
Urine pH and salicylate therapy. Levy G, et al. JAMA 217:81, 5 Jul 71
Effect of bilirubin on drug conjugations in children. Levy G, et al. Pediatrics 47:811-7, May 71
Take two EVERY FOUR HOURS. Postgrad Med 49:232-3, Apr 71
[Cystinic lithiasis. 1st clinical results with alpha-mercaptopropionyl-glycine. 1st biological results with sodium dithiosalicylate] Thomas J, et al. J Urol Nephrol (Paris) 76:823-8, Sep 70 (Fre)
[Treatment in tropical Africa of HHEPATOBILIARY FASCIOLIASIS CAUSED BY Fasciola gigantica in zebu cattle. Value of Bilevon R bayer] Graber M, et al. Rev Elev Med Vet Pays Trop 23:337-45, 1970 (Fre)
[Experiences with a new salureticum in essential hypertension] Hammer O, et al. Med Klin 64:1862-4, 10 Oct 69 (Ger)
[On the behavior of various biohumoral indices during the course of different types of therapy of rheumatic fever] Rosano V, et al. Clin Ter 46:203-75, 15 Aug 68 (Ita)
[Results of tests on the efficacy of Edan (Polfa) in rheumatic and pararheumatic diseases] Szymański AF. Przegl Lek 26:728-30, 30 Sep 70 (Pol)
[Differentiated assessment of the efficacy of therapy of primary and recurrent rheumocarditis] Ievleva LV, et al. Ter Arkh 41:29-33, Sep 69 (Rus)
[Mechanisms of the therapeutic effect of antirheumatic preparations] Sigidin IaA. Vopr Revm 10:46-55, May-Jun 70 (Rus)

TOXICITY

Evaluation of safety for food additives: An illustration involving the influence of methyl salicylate on rat reproduction. Gross MA, et al. Biometrics 26:181-4, Jun 70
Experimental salicylate poisoning: observations on the effects of altering blood pH on tissue and plasma salicylate concentrations. Hill JB. Pediatrics 47:658-65, Apr 71
[Some pharmacological properties of 4-chloroanilide of 5-chlorosalicylic acid] Kleinrok Z, et al. Gruzlica 39:103-9, Feb 71 (Pol)

SALICYLAZOSULFAPYRIDINE (D3)

ADMINISTRATION & DOSAGE

[Therapy of colitis ulcerosa] Magyar I, et al. Dtsch Med Wochenschr 95:2375-9, 20 Nov 70 (Ger)

ADVERSE EFFECTS

[Sulfasalazin in ulcerative colitis during childhood] Shmerling DH. Dtsch Med Wochenschr 96:1175, 2 Jul 71 (Ger)

METABOLISM

Investigations on the absorption of azulfidine. Müller-Wieland K, et al. Am J Proctol 21:337-40, Oct 70

THERAPEUTIC USE

Clinical and radiologic improvement of regional enteritis and enterocolitis after treatment with salicylazosulfapyridine. Goldstein F, et al. Am J Dig Dis 16:421-31, May 71

SALICYLIC ACID (D2)

see also specific
AMINO SALICYLIC ACID (D3)
ASPIRIN (D6)

Lysine-rich histone in sulphosalicylic acid extract from muscles. Maskos C, et al. Acta Biochim Pol 18:39-46, 1971
A method for the determination of small quantities of salicylate metabolites in the presence of a great excess of salicylic acid. Putney JW, et al. Arch Int Pharmacodyn Ther 188:119-26, Nov 70
[Biological activity of proteins extracted with sulphosalicylic acid from human and animal thyroid glands] Wieczorek E, et al. Acta Physiol Pol 21:227-34, Mar-Apr 70 (Pol)

ADMINISTRATION & DOSAGE

Kinetic testing of drugs against Mycobacterium leprae in mice. Activity of cephaloridine, rifampin, streptovaricin, vadrine, and viomycin. Shepard CC, et al. Am J Trop Med Hyg 20:616-20, Jul 71
[Percutaneous therapy with Vertebralon ointment] Weikert F. Z Allgemeinmed 47:181-9, 10 Feb 71 (Ger)

ADVERSE EFFECTS

Effects of salicylates on the gastric mucosa as revealed by roentgen examination and the gastrocamera. Edmar D. Acta Radiol [Diagn] (Stockh) 11:57-64, Jan 71
[Salicylic acid poisoning in infancy] Lucas D. Arch Kinderheilkd 82:168-74, Jan 71 (Ger)

ANALYSIS

Fluorometric determination of salicylic acid in buffered aspirin products. Shane N, et al. J Pharm Sci 60:114-6, Jan 71
Rapid simultaneous determination of salicylic acid and aspirin by GC. I. Analysis of synthetic aspirin-salicylic acid mixtures and of single-component aspirin tablets. Watson JR, et al. J Pharm Sci 60:454-8, Mar 71

BIOSYNTHESIS

Utilization of shikimic acid for the formation of mycobactin S and salicylic acid by Mycobacterium smegmatis. Hudson AT, et al. Biochemistry 9:3984-7, 29 Sep 70
Biosynthesis of 6-methylsalicylic acid by Mycobacterium phlei. Hudson AT, et al. Biochemistry 9:3988-92, 29 Sep 70
Conversion of chorismic acid and isochorismic acid to salicylic acid by cell-free extracts of Mycobacterium

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

smegmatis. Marshall BJ, et al.
Biochim Biophys Acta 230:643-5, 1971
Dialysis fermentation. I. Enhanced production of salicylic acid from naphthalene by Pseudomonas fluorescens. Abbott BJ, et al.
Biotechnol Bioeng 12:577-82 passim, Jul 70
6-Methylsalicylic acid synthesis by isolated barley chloroplasts. Kannangara CG, et al.
Eur J Biochem 21:334-8, 16 Aug 71
Accumulation of iron-binding phenolic acids by Actinomycetales and other organisms related to the Mycobacteria. Ratledge C, et al.
J Gen Microbiol 66:71-8, Apr 71

BLOOD

Hydrolysis of salicylsalicylic acid in human blood and plasma: a comparison with acetylsalicylic acid. Harthon L, et al.
Acta Pharmacol Toxicol (Kbh) 29:155-63, 1971

ISOLATION & PURIFICATION

Method for extraction and separation of drugs and metabolites from biological tissue. Yesair DW, et al.
Biochem Pharmacol 19:1569-78, May 70

METABOLISM

Salicylate-induced foetal damage in two mouse strains: studies on the distribution of 14C-labelled salicylic acid. Eriksson M, et al.
Acta Pharmacol Toxicol (Kbh) 29:256-64, 1971
Studies on the biotransformation of salicylic acid by the salivary gland. Borzelleca JF, et al.
Arch Int Pharmacodyn Ther 188:127-36, Nov 70
Increased ileal absorption of salicylic acid induced by carbonic anhydrase inhibition. Schnell RC, et al.
Biochem Pharmacol 19:303-5, Jan 70
pH effects on salicylate absorption from hydrophilic ointment. Marcus F, et al.
J Pharm Sci 59:1616-20, Nov 70
On the mechanisms of 14 C-salicylic acid distribution in rat submaxillary gland in vitro. Putney JW Jr, et al.
J Pharmacol Exp Ther 177:263-75, Apr 71
[Drug absorption from inclusion compounds of desoxycholic acid demonstrated with 14C-salicylic acid-cholsic acid on rats] Frömming KH, et al.
Arzneim Forsch 20:1716-8, Nov 70 (Ger)
[Studies on absorption of salicylates. 2. Percutaneous absorption of salicylic acid 2'-hydroxyethyl ester following topic administration] Pütter J.
Arzneim Forsch 20:1721-3, Nov 70 (Ger)
[Influence of net flux of water on the absorption of drugs] Ochsenfahrt H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:414-5, 1970 (Ger)
[Effect of bile and bile components on the absorption of salicylic acid derivatives in rat gastrointestinal tract] Morisaka K, et al.
J Pharm Soc Jap 91:597-602, Jun 71 (Jap)

PHARMACODYNAMICS

Comparative effects of salicylic acid, phenylbutazone, probenecid and other anions on the metabolism, distribution and excretion of indomethacin by rats. Yesair DW, et al.
Biochem Pharmacol 19:1591-600, May 70
The effect of 3-methyl salicylic (O-cresotinic) acid on plasma insulin and glucose tolerance in diabetic and non-diabetic subjects. Hyams DE, et al.
Diabetologia 7:94-101, Apr 71
3-methyl salicylic acid: a long acting salicylate which decreases free fatty acid mobilisation and plasma cholesterol. Howard AN, et al.
Eur J Pharmacol 13:244-53, Jan 71
Inhibition of prostaglandin synthesis as a mechanism of action for aspirin-like drugs. Vane JR.
Nature [New Biol] 231:232-5, 23 Jun 71
[The antimycetic effect of salicylic acid from therapeutic viewpoint] Kejda J.
Mykosen 12:395-8, 1 Jun 69 (Ger)
[Antimicrobial activity of broad-spectrum antimicrobial agents, with special reference to salicylic acid] Scherrer M, et al.
Mykosen 14:323-34, Jun 71 (Ger)
[Effect of salicyl anilide and its halogen derivatives on the respiratory activity of microorganisms] Rotmistrov MN, et al.
Mikrobiologiia 38:624-8, Jul-Aug 69 (Rus)

POISONING

[Percutaneous poisoning by resorcinol, salicylic acid and white precipitated ointment] Wüthrich B, et al.
Pharm Acta Helv 45:453-60, Jul 70 (Ger)
[Salicylate poisoning] Stanoeva L, et al.
God Zb Med Fak Skopje 16:533-41, 1970 (Ser)

THERAPEUTIC USE

The treatment of Kyrle's disease. Powell EW.
Br J Dermatol 83:704-5, Dec 70
[Alpolone and allergy in otorhinolaryngology (54 cases)] Julian A, et al.
J Fr Otorhinolaryngol 18:251-4, Apr 69 (Fre)
[Experimental and clinical aspects of the treatment of tuberculosis with Pasiniazide (p-aminosalicylate of isoniazid)] Wernsdorfer G, et al.
Maroc Med 48:721-4, Dec 68 (Fre)
[Clinical study on a new collutory] Cailleres.
Rev Laryngol Otol Rhinol (Bord) 90:254-6, Mar-Apr 69 (Fre)
[A new drug used for nasal pulverizations] Cailleres.
Rev Laryngol Otol Rhinol (Bord) 90:251-3, Mar-Apr 69 (Fre)
[Current knowledge on the pathogenesis of common psoriasis as the basis for a scientifically founded therapy. II. Therapeutic possibilities and pathogenetic principles of antipsoriatic drugs] Sönnichsen N, et al.
Dtsch Gesundheitsw 25:1293-300, 10 Jul 70 (197 ref.) (Ger)
[Nobacid]
Tidsskr Nor Laegeforen 91:1478-9, 10 Jul 71 (Nor)

TOXICITY

Evaluation of phototoxicity of salicylanilides and similar compounds by photohemolysis. Kahn G, et al.
J Invest Dermatol 56:91-7, Feb 71

SALINE FRAGILITY see under OSMOTIC

FRAGILITY (E1, G1)

SALIVA (A12)

Affinity of chlorhexidine gluconate to hydroxylapatite and to salivary mucins. Rolla G, et al.
Caries Res 5:23, 1971
V. The rate of dissolution of dental silicate cement. Experiments in saliva. Eriksson SE, et al.
Odontol Revy 21:433-7, 1970
[Dental plaque formation. 3. Redox equilibrium and the importance of calcium ions in a mixture of saliva and sucrose] Berg E.
Tandlaegebladet 74:1312-23, Dec 70 (Dan)
[On the use of the absorption-elution method in identification of water-soluble ABH group-specific substances. II. Separation of an alcohol-soluble fraction and of an alcohol-precipitable fraction of ABH substances from saliva] Fiori A, et al.
Boll Soc Ital Biol Sper 45:1483-6, 15 Dec 69 (Ita)
[Spit cups or "vacu-cup"? Some hygenic views] Moller, et al. Nor Tannlaegeforen Tid 81:193-9, Mar 71 (Nor)
[Diagnostic clues found in the saliva] Mandel ID.
ADM 27:511-3, Nov-Dec 70 (Spa)

ANALYSIS

Studies on dog saliva. I. Some physico-chemical characteristics. Larmas M, et al.
Acta Odontol Scand 29:205-14, Jun 71
Chemical analysis of a salivary glycoprotein with blood-group substance- and virus inhibition activities. Sonju T, et al.
Acta Pathol Microbiol Scand [B] 79:95-101, 1971
Rifampin: effect of two-day treatment on the meningococcal carrier state and the relationship to the levels of drug in sera and saliva. Devine LF, et al.
Am J Med Sci 261:79-83, Feb 71
Demography and H-Lea salivary secretion of the Macá Indians of Paraguay. Salzano FM, et al.
Am J Phys Anthropol 33:383-8, Nov 70
Elevated salivary iodine and salivary gland enlargement due to iodinated contrast media. Talner LB, et al.
Am J Roentgenol Radium Ther Nucl Med 112:380-2, Jun 71
Microbiological assay for estimating salivary concentrations of the cariostatic antibiotic Actinobolin. Hunt DE, et al.
Appl Microbiol 20:583-6, Oct 70
Amino acid composition of human parotid salivary proteins selectively adsorbed by hydroxyapatite. Armstrong WG. Arch Oral Biol 15:1001-3, Oct 70
Electrophoresis of proteins from human parotid saliva. Bellavía SL. Arch Oral Biol 16:751-8, Jul 71
Comparative study of the fatty acids in human dental plaques and whole saliva. Bloch A, et al.
Arch Oral Biol 15:1385-6, Dec 70
Determination of saliva and dental plaque pH in hamsters with glass micro-electrodes. Charlton G, et al. Arch Oral Biol 16:849-54, Jun 71
Evidence for the presence of two thiocyanate-dependent antibacterial systems in human saliva. Dogon IL, et al.
Arch Oral Biol 15:987-92, Oct 70
Observations on the diurnal variation of some inorganic constituents of human parotid saliva in smokers and non-smokers. Dogon IL, et al.
Arch Oral Biol 16:95-105, Jan 71
The concentration of inorganic pyrophosphate in human saliva and dental calculus. Hausmann E, et al.
Arch Oral Biol 15:1389-92, Dec 70
Human salivary coagulant activity: the stimulation by -chymotropsin. Lundblad RL, et al.
Arch Oral Biol 16:985-7, Aug 71
The isolation and partial characterization of the principal glycoprotein from human mixed saliva. Schrager J, et al. Arch Oral Biol 16:287-303, Mar 71
Direct gas chromatographic analysis of sulphur compounds in mouth air in man. Tonzetich J.
Arch Oral Biol 16:587-97, Jun 71
Parotid and submaxillary calcium in human cystic fibrosis. Wotman S, et al.
Arch Oral Biol 16:663-5, Jun 71
Salivary studies in human caries resistance. Zengo AN, et al. Arch Oral Biol 16:557-60, May 71
The relationship between dental caries and salivary properties at adolescence. Mariay E.
Aust Dent J 15:412-22, Oct 70
A simple method of collecting saliva to determine the sodium status of cattle and sheep. Murphy GM, et al.
Aust Vet J 46:595-8, Dec 70
On the aggregation of a calcium precipitable glycoprotein from human submaxillary saliva. Bettelheim FA.
Biochim Biophys Acta 236:702-5, 29 Jun 71
Immunological and chemical comparison on heterogeneous basic glycoproteins in human parotid saliva. Friedman RD, et al.
Biochim Biophys Acta 230:599-602, 1971
Hydroxyapatite in the pathogenesis of cystic fibrosis. Warton KL, et al. Br Med J 3:570-1, 4 Sep 71
Calcium in human saliva: the significance of physiological and gustatory factors influencing its concentration. Ahrens G. Caries Res 5:25, 1971
Fluoride ion activity in vitro and in vivo of two sodium fluoride dentifrices. Birkeland JM.
Caries Res 5:193-201, 1971
Effects of changes in feeding on the amino acid composition of protein in dental plaque from the monkey Macaca irus. Eastoe JE, et al.
Caries Res 5:29, 1971
A glycoprotein component from human sublingual-submaxillary saliva. Rölla G, et al.
Caries Res 2:306-16, 1968
Fluoride concentration in duct saliva and whole saliva. Yao K, et al. Caries Res 4:321-31, 1970
Isolation of glycoproteins from human gastric juice and saliva by density gradient ultracentrifugation. Denborough MA, et al. Clin Chem 17:335-8, Apr 71
A radiometric assay of copper binding in biological fluids and its application to alimentary secretions in normal subjects and Wilson's disease. Gollan JL, et al.
Clin Chim Acta 31:197-204, Jan 71
Saliva is viscoelastic. Davis SS.
Experientia 26:1298-300, 15 Dec 70
Observations on the effects of longtime administration of aspirin and cortisone on the secretion rate and chemical composition of saliva. Takeuchi T, et al.
Gastroenterology 61:69-76, Jul 71
Secretion of blood group specific substances in pulmonary tuberculosis. Tyagi SP, et al.
Indian J Med Res 58:596-8, May 70
Some observations on the secretion of blood group substances in the saliva in health. Pradhan S, et al.
Indian J Med Sci 24:582-6, Sep 70
Gel filtration of ABH blood group substances. II. Individual gel chromatographic patterns of ABH substances in the saliva of secretors and non-secretors. Fiori A, et al.
J Chromatogr 55:351-63, 3 Mar 71
Gel filtration of ABH blood group substances. I. Fractionation of ABH substances of human saliva. Fiori A, et al. J Chromatogr 55:337-49, 3 Mar 71
Collection and quantitation of mouse salivary secretions. Chernick WS, et al.
J Dent Res 50:165, Jan-Feb 71
Effects of diet on salivary secretion and composition. Dawes C. J Dent Res 49:1263-73, Nov-Dec 70 (83 ref.)
Effect of various factors on the rate of phosphate precipitation in an inorganic solution and in saliva. Mukherjee S. J Periodont Res 3:146-62, 1968
The origin and variation in number of leukocytes in the human saliva. Schlött CR, et al.
J Periodont Res 5:36-41, 1970
Salivary Na, K and Cl secretion rates: relationship to a fluid generation mechanism. Suddick RP, et al.
Jap J Physiol 20:540-9, 15 Oct 70
Time-dependent rheological behaviour of saliva. A preliminary report. Glantz PO, et al.
Odontol Revy 21:279-85, 1970
The surface tension of saliva. Glantz PO.
Odontol Revy 21:119-27, 1970
ABO blood groups and their secretor status in patients with uveitis. Oda I. Ophthalmologica 162:298-307, 1971
Leukocyte counts in the saliva of adults before and after extraction of teeth. Lantzman E, et al.
Oral Surg 30:766-73, Dec 70
Electrolyte concentrations in primary and final saliva of the rat sublingual gland studied by micropuncture and catheterization techniques. Martin CJ, et al.
Pfluegers Arch 324:344-60, 1971
The effect of a sympatho- and a parasympathomimetic drug on the electrolyte concentrations of primary and final saliva of the rat submaxillary gland. Young JA, et al. Pfluegers Arch 327:285-302, 1971
Studies on the correlation between the presence of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

free amino acids in saliva and dental caries. Potoczek S, et al. Pol Med J 8:982-5, 1969
Chromatography of salivary amino acids. Rzadkowska-Kafmierczak, et al. Pol Med J 8:977-81, 1969
Quantitative determination of albumin, lysozyme, and amylase. A comparison of seven analytical methods. Arneberg P. Scand J Dent Res 78:435-9, 1970
Human salivary alpha-amylase. Purification and amino acid composition. Hensten-Pettersen A, et al. Scand J Dent Res 78:440-6, 1970
Glycosaminoglycan-like components in oral calculus, parotid saliva, and dental plaque. A comparative study. Paunio KU, et al. Scand J Dent Res 78:447-51, 1970
Octopus neurotoxins: low molecular weight non-immunogenic toxins present in the saliva of the blue-ringed octopus. Sutherland SK, et al. Toxicon 8:249-50, Sep 70
[Relation between saliva amylase activity and amylasemia in chronic pancreatitis. Possibility of a compensatory saliva amylase activity in deficiencies of the pancreas] Dechezleprêtre S. Bull Acad Natl Med (Paris) 152:34-6, 23 Jan 68 (Fre)
[Demonstration of various ABH molecular types in the saliva of secretors] Fiori A, et al. Med Leg Domm Corper (Paris) 2:364-6, Oct-Dec 69 (Fre)
[Quantitative methods for the determination of proteins in the human parotid gland] Skurk A, et al. Acta Otolaryngol (Stockh) 71:71-4, Jan 71 (Ger)
[Modification of glucose, phosphate, and calcium concentrations of blood and saliva by dietary factors] Ahrens G. Dtsch Zahnaerztl Z 26:16-21, Jan 71 (Ger)
[Physiochemical measurements on saliva films] Köhler E. Dtsch Zahnaerztl Z Suppl: 1264+, Dec 70 (Ger)
[Physiochemical measurements on saliva films] Köhler E. Dtsch Zahnaerztl Z Suppl:1264-93, Dec 70 (Ger)
[Studies on border planes in the human dental enamel. II] Köhler E. Dtsch Zahnaerztl Z Suppl:1218-50, Dec 70 (Ger)
[Sodium-potassium quotient in the parotid saliva during pregnancy] Schübel F. Dtsch Zahnaerztl Z 25:1084-90, Nov 70 (Ger)
[Observations on the proteins in parotid gland saliva during pregnancy] Schübel F, et al. Dtsch Zahnaerztl Z 26:46-51, Jan 71 (Ger)
[The detection of glucose in the parotid saliva in the early diagnosis of diabetic disease] Sartoris A, et al. Minerva Otorinolaringol 20:85-90, May-Jun 70 (Ita)
[Concentration of salivary chlorides under physiological conditions] Raguso M, et al. Rass Trimest Odontoiatr 51:191-200, Oct-Dec 70 (Ita)
[Electrophoretic fractionation and determination of human saliva glycoproteins in a group of dental prosthetic patients] Bernardini UD, et al. Riv Ital Stomatol 25:1108-13, Dec 70 (Ita)
[Molecular weight determination of the main protein components of human saliva] Pini Prato G. Riv Ital Stomatol 25:641-7, Jul 70 (Ita)
[Fractionation of salivary proteines by means of anionic polyacrylamide gel electrophoresis] Pini Prato G, et al. Riv Ital Stomatol 25:559-63, Jun 70 (Ita)
[Angular accelerations. Hypoxia and parotid secretion] Caporale R, et al. Riv Med Aeronaut Spaz 33:140-58, Jan-Mar 70 (Ita)
[Disk electrophoresis of nose secretion and saliva] Crifò S. Valsalva 46:74-86, Apr 70 (Ita)
[Simplified method for plasma inorganic iodine (PII) estimation. Simplification of salivary iodine determination] Takeshita Y, et al. Folia Endocrinol Jap 46:1062-5, 20 Jan 71 (Jap)
[On the genetics of Lewis characters in saliva] Miki T, et al. Jap J Leg Med 24:199-202, May 70 (Jap)
[Forensic-odontological determination of salivary stains] Ochiai M. Shikwa Gakuho 71:1870-82, Aug 71 (Jap)
[Secretion of group substances (Se, se) of the ABO system in the saliva in periodontal diseases] Chródcielewska M. Czas Stomatol 24:831-3, Jul 71 (Pol)
[Detection of PAS in saliva by means of paper and test tube tests] Krakówka P, et al. Gruzlica 38:1169-73, 1970 (Pol)
[On the choice of technics for determining calcium and magnesium in the saliva and blood serum] Kulikova VS, et al. Stomatologiia (Mosk) 49:86-7, Jul-Aug 70 (Rus)
[Possibility of detecting sperm, urine, saliva and perspiration in washed and ironed-over stains. 2. Detection of urine, saliva and perspiration in washed stains. Detection of excretions in ironed-over stains] Barsegiants LO. Sud Med Ekspert 13:45-8, Jul-Sep 70 (Rus)
[Effect of various diseases, drug therapy and alcoholic beverages on the possibility of detecting saliva and urine in stains] Barsegiants LO. Sud Med Ekspert 14:30-2, Apr-Jun 71 (Rus)
[Composition of individual active ingredients of saliva in women with normal and pathological pregnancy] Pavlik BP. Pediatr Akush Ginekol 2:42-4, Mar-Apr 70 (Ukr)

DRUG EFFECTS

The affinity of chlorhexidine for hydroxyapatite and salivary mucins. Rölla G, et al. J Periodont Res 5:90-5, 1970

ENZYMOLOGY

Studies on dog saliva. II. Observations on arylaminopeptidase activity. Larmas M, et al. Acta Odontol Scand 29:215-29, Jun 71
Substrate differentiation of human pancreatic and salivary alpha-amylases. Hall FF, et al. Am J Dig Dis 15:1031-8, Nov 70
Lactate dehydrogenase isoenzymes in human saliva. Weinstein E, et al. Arch Oral Biol 16:157-60, Feb 71
The action of fluoride on salivary inhibitors. Dubois-Prévost R. Caries Res 5:11-2, 1971
Unusual salivary and serum amylase isoenzymes in a man. Boettcher B, et al. Enzymologia 40:234-42, 30 Apr 71
Isoenzyme variation of human salivary amylase. Skude G. Humangenetik 12:255-6, 1971
Immunoelectrophoretic identification of lysozyme in saliva. Revis GJ. Proc Soc Exp Biol Med 137:90-6, May 71
Human salivary alpha-amylase. Purification and amino acid composition. Hensten-Pettersen A, et al. Scand J Dent Res 78:440-6, 1970
[Amino acid composition of 5 human salivary isoamylases] Carlier A, et al. C R Acad Sci [D] (Paris) 271:2204-5, 9 Dec 70 (Fre)
[The effect of drug therapy on the enzymatic components in inflammatory periodontal diseases] Petrucz C. Dtsch Stomatol 20:820-7, Nov 70 (Ger)
[Effect of bacteria on blood clotting--a new testing method] Schulte W, et al. Dtsch Zahnaerztl Z 25:1041-4, Nov 70 (Ger)
[Development of salivary and pancreatic amylase in children during the 1st year of life] Kamaryt J, et al. Z Klin Chem Klin Biochem 8:564-6, Nov 70 (Ger)
[Acid and alkaline phosphatase activity and concentration of inorganic phosphorus, calcium, and magnesium in the saliva in parodontopathies and during their treatment] Jedrzejewska T, et al. Czas Stomatol 23:1233-8, Oct-Nov 70 (Pol)
[New method of determination of salivary proteolytic activity using a synthetic trypsin substrate] Potoczek S, et al. Czas Stomatol 24:715-9, Jul 71 (Pol)
[Acid phosphatase activity in saliva in relation to changes in periodontium] Witek E. Czas Stomatol 23:1227-32, Oct-Nov 70 (Pol)
[Proteolytic activity of saliva in the elderly] Halawa B, et al. Pol Tyg Lek 25:1976-9, 21 Dec 70 (Pol)
[Effect of tetracycline on the content of lysozyme in the blood serum of rabbits and in human saliva] Aver'ianova LL. Antibiotiki 15:1034-6, Nov 70 (Rus)
[Blood coagulation factors in the saliva in injury of the oral mucus membrane] Belikov PP. Biull Eksp Biol Med 71:72-4, Mar-Apr 71 (Rus)
[Human salivary dextrin-4-glycosyltransferase] Petrova AN, et al. Dokl Akad Nauk SSSR 191:708-10, 1970 (Rus)

IMMUNOLOGY

A search for Lactobacillus acidophilus agglutinins in human saliva. Hook WC. Am J Med Technol 37:95-6, Mar 71
Comparative studies on the opsonizing properties of blood serum, collostrum and milk in different species of animals in their ontogenetic development. I. Opsonizing properties of collostrum and milk of rabbits and sheep. Godzińska H, et al. Arch Immunol Ther Exp (Warsz) 18:298-304, 1970
Blood group and secretor status in tropical sprue. Menéndez-Corrada R, et al. Bol Asoc Med PR 62:125-7, Apr 70
Human secretory immunoglobulins. II. Salivary secretions from individuals with selectively excessive or defective synthesis of serum immunoglobulins. Brandtzaeg P. Clin Exp Immunol 8:69-85, Jan 71
Pneumococcal antibodies in IgA of serum and external secretions. Mouton RP, et al. Clin Exp Immunol 7:201-10, Aug 70
Serum and secretory immunoglobulins of the rat. Bistany TS, et al. Immunochemistry 7:453-60, May 70
Identification of secretory IgA, free secretory piece and serum IgA in the ovine and caprine species. Pahud JJ, et al. Immunochemistry 7:879-86, Aug 70
Catfish antibodies to blood group substances. I. Response of the Australian freshwater catfish, Tandanus tandanus (Mitchell), to the injection of human A, B and H secretor materials. Baldo BA, et al. Immunology 20:853-69, Jun 71
Human secretory immunoglobulins. VI. Association of free secretory piece with serum IgA in vitro. Brandtzaeg P. Immunology 21:323-32, Aug 71
Studies on blood group antigens in saliva: incidence and type of aberrant secretors. Bhatia HM, et al. Indian J Med Res 58:194-201, Feb 70
Human secretory immunoglobulins. V. Occurrence of secretory piece in human serum. Brandtzaeg P. J Immunol 106:318-23, Feb 71
Canine secretory immunoglobulins: identification of secretory component. Ricks J, et al. J Immunol 105:1327-33, Dec 70
IgA and other immunoglobulins from the European hedgehog. Vaerman JP, et al. J Immunol 107:201-11, Jul 71
Immunoglobulins level in saliva of children with poliomyelitis and of healthy children after oral vaccination with live attenuated poliovirus strains type 2 and 3. Szczepski O, et al. Pol Med J 9:1168-72, 1970
Further observations on immunoglobulins of external secretions. Bazzi C, et al. Progr Immunobiol Stand 4:333-5, 1970
The blood group antigen D-la in Japanese and its independence of the ABH secretor system. Iseki S, et al. Vox Sang 19:483-7, Nov-Dec 70
Studies on the secretion of blood group substances. 1. Observations on the red cell phenotype Le(a+b+x+). Sturgeon P, et al. Vox Sang 18:301-22, Apr 70
[Comparative study of the serum and salivary IgA level in leukemia and paraproteinemias] Patakfalvi A, et al. Orv Hetil 112:791-5, 4 Apr 71 (Hun)
[Occurrence of secretor and non-secretor phenotypes] Terzi I, et al. Ann Med Nav (Roma) 74:15-30, Jan-Feb 69 (Ita)
[Immunoglobulins in the saliva of healthy subjects] Caligaris F, et al. Clin Otorinolaringoiatr 21:419-26, Nov-Dec 69 (Ita)
[Agglutinogens and isoagglutinins in human saliva] De Tomasi A. Rass Trimest Odontoiatr 51:137-46, Jul-Sep 70 (Ita)
[Distribution of ABO blood groups and the presence of group substance in the saliva of patients with gastric and duodenal ulcer] Belec C, et al. Pol Arch Med Wewn 46:557-62, May 71 (Pol)
[Group specific ABO substances in experimental stains. II. Sensitivity of the "mixed agglutination" method] Palatnik M, et al. Sangre (Barc) 15:453-60, 1970 (Spa)
[ABH group-specific substances in experimental spots. I. Their detection using a variant of "mixed agglutination"] Palatnik M, et al. Sangre (Barc) 15:362-8, 1970 (Spa)

METABOLISM

Effect of urea concentration on its utilization, on the pH and the formation of ammonia and carbon dioxide in a human salivary sediment system. Biswas SD, et al. Arch Oral Biol 16:759-80, Jul 71
Adsorption of dextran to saliva-treated hydroxyapatite. Rolla G. Arch Oral Biol 16:527-33, May 71
Contribution of lactic and other acids to the pH of a human salivary sediment system during glucose catabolism. Sandham HJ, et al. Arch Oral Biol 15:1263-83, Dec 70
Effect of glucose concentration on carbon dioxide production in a human salivary sediment system. Sandham HJ, et al. Arch Oral Biol 15:1285-301, Dec 70
Parotid secretions in cystic fibrosis. Effect on zeta potential of tracheal mucus. Litt M, et al. Biochem Biophys Res Commun 43:919-26, 21 May 71
Characterisation studies on the specific human salivary proteins adsorbed in vitro by hydroxyapatite. Armstrong WG. Caries Res 5:215-27, 1971
Effects of changes in feeding on the amino acid composition of protein in dental plaque from the monkey, Macaca irus. Eastoe JE, et al. Caries Res 5:101-10, 1971
A radio telemetric study of oral fluoride clearance. Hassell TM, et al. Helv Odontol Acta 15:29-35, Apr 71
The proteolytic activity of plaque and its relation to soft tissue pathology. Frostell G, et al. Int Dent J 20:436-50, Sep 70
Adsorption of salivary proteins by hydroxyapatite: relations between the effects of calcium ions, hydrogen ions, temperature, and exposure time. McGaughey C, et al. J Dent Res 50:542-50, May-Jun 71
Disappearance of L-lactic acid and D-lactic acid in saliva. Morita M, et al. J Dent Res 50:782, May-Jun 71
Dialysis of ephedrine and pentobarbital from whole human saliva and simulated saliva. Davis RE, et al. J Pharm Sci 60:429-32, Mar 71
[Iodine salivary clearance in a group of hyperthyroid women with a history of recurrent or habitual abortion] Viglione A, et al. Minerva Ginecol 21:1077-9, 31 Aug 69 (Ita)
[Proteolytic activity of saliva under the effect of food] Pawilowska-Michalik H, et al. Czas Stomatol 24:357-62, 1971 (Pol)
[The role of saliva in the metabolism of magnesium and calcium] Gomershtein VA. Biull Eksp Biol Med 71:76-7, Mar-Apr 71 (Rus)

MICROBIOLOGY

The effect of sodium fluoride released from elastics on the oral streptococcus salivarius population of saliva in orthodontic patients. Zapski EG. Am J Orthod 59:301, Mar 71
Characteristics of some high molecular weight constituents with bacterial aggregating activity from

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

whole saliva and dental plaque. Hay DI, et al. Caries Res 5:111-23, 1971
In vivo delay of glycolate metabolism of oral bacteria brought about by fluorite-natron. Yardeni Y, et al. J Dent Res 50:652, May-Jun 71
Beta-hemolytic streptococci in seliva. Ross PW. J Med Microbiol 4:pii, May 71
The effect of chlorhexidine mouthrinses on the human oral flora. Schiott CR, et al. J Periodont Res 5:84-9, 1970
Salivary vulvitis. Davis BA. Obstet Gynecol 37:238-40, Feb 71
Effect of partial dentures on lactobacillus count in saliva. Nyquist G, et al. Odontol Revy 22:19-26, 1971
[Bacteriological study of salivary and gastric secretions. Apropos of 100 cases] Levrat M, et al. Arch Fr Mal App Dig 59:816, Dec 70 (Fre)
[Presence of rickettsia type particles in the saliva of a Homoptera vector of clover phyllody, Euscelis lineolatus Brullé (Homoptera jassidae)] Maillet PL. Rev Can Biol 29:391-3, Dec 70 (Fre)
[Epidemiological and clinical aspects of massive bacillary excretion in tuberculosis under modern conditions] Rudof NM, et al. Probl Tuberk 48:8-13, 1970 (Rus)

PHYSIOLOGY

[Electric conductivity of the saliva and difference in the electrical potential of the metals used in the mouth] Makowska A. Rev Stomatol Chir Maxillofac 71:571-5, Oct-Nov 70 (Fre)
[Gerodontological studies. V. Salivary properties in elderly persons] Hedegård B, et al. Sven Tandlak Tidskr 63:997-1003, Dec 70 (Swe)

RADIATION EFFECTS

[Radiotherapy and salivary pH. Experimental animal studies and observations in man] Boutboul F. Schweiz Monatsschr Zahnheilkd 81:738-47, Aug 71 (Fre)
[Preliminary studies on the changes in the electrophoretic migration profile of the proteins in human saliva during anti-blastic radiation therapy] Pini Prato G. Riv Ital Stomatol 25:1042-6, Nov 70 (Ita)

SECRETION

Sex differences in human parotid salivary secretion of iodide, pertechnetate and bromide. Lazarus JH, et al. Arch Oral Biol 16:225-31, Feb 71
The effects of interactions between gustatory stimulation the reflex flow-rate of human parotid saliva. Speirs RL. Arch Oral Biol 16:349-65, Apr 71
Effect of duration of stimulus on iodide concentration in human parotid saliva. Stephen KW, et al. Arch Oral Biol 16:581-6, Jun 71
The importance of extracellular sodium and potassium for acetylcholine-evoked salivary secretion. Petersen OH. Experientia 26:1103-4, 15 Oct 70
Observations on the effects of longtime administration of aspirin and cortisone on the secretion rate and chemical composition of saliva. Takeuchi T, et al. Gastroenterology 61:69-76, Jul 71
Formation of saliva and potassium transport in the perfused cat submandibular gland. Petersen OH. J Physiol (Lond) 216:129-42, Jul 71
Salivary secretion in children following operative stress. Groza P, et al. Rev Roum Physiol 6:253-8, 1969
[Studies on the influence of feed and rumen fermentation on saliva secretion] Kaufmann W, et al. Z Tierphysiol 21:110-20, Apr 66 (Ger)
[Qualitative symmetry of secretions of pairs of salivary glands during their simultaneous functioning] Gutkin VI, et al. Biull Eksp Biol Med 68:30-2, Oct 69 (Rus)
[Clinical trial of drugs (9): quantitative changes of effect in repeated peroral administration of methylscopolamine] Holtz A, et al. Lakartidningen 67:Suppl II:103+, 15 Jun 70 (Swe)
[Effects of the direct current anode on salivation in dog, applied on the area of the cross-shaped gyrus] Kulitka EF. Fiziol Zh 15:670-4, Sep-Oct 69 (Ukr)
[Relation between salivary and hemodynamic effects of acetylcholine] Antal J, et al. Bratisl Lek Listy 55:27-38, 1971 (Slo)

SALIVARY DUCT CALCULI (C4)

The clinical entity of sialolithiasis of the minor salivary glands. Holst E. Acta Odontol Scand 29:75-84, Apr 71
Sialolithiasis of minor salivary glands. Bahn SL, et al. Oral Surg 32:371-7, Sep 71
Sialolithiasis of a labial gland. Barnett ML. Oral Surg 32:22-8, Jul 71
[Sialolithiasis] Manfredi C. Arch Stomatol (Napoli) 9:189-211, Jul-Sep 68 (Ita)

DIAGNOSIS

[Submaxillitis as a mixed laryngolggical and stomatological disease] Soboleva VM. Zh Ushn Nos Gorl Bolezn 30:91-3, May-Jun 70 (Rus)

ETIOLOGY

[The calcic bile syndrome. Apropos of a case in a child] Bèbe M, et al. Ann Pediatr (Paris) 18:321-5, 2 Apr 71 (Fre)

OCCURRENCE

[Pathohistological studies on the occurrence of sialolithiasis and sialadenitis of the parotid gland] Seemann N. HNO 17:3-8, Jan 69 (Ger)

PATHOLOGY

Minor salivary gland duct changes due to obstruction. Eversole LR, et al. Arch Otolaryngol 94:19-24, Jul 71
[Pathohistological studies on the occurrence of sialolithiasis and sialadenitis of the parotid gland] Seemann N. HNO 17:3-8, Jan 69 (Ger)

RADIOGRAPHY

Sialolith simulating a cuspid. Vitums VC. Oral Surg 32:503, Sep 71

SURGERY

[Anatomical and surgical considerations in the intra-oral approach to Wharton's duct] Lepoivre M, et al. Rev Port Estomatol Cir Maxilofac 11:239-48, Jan-Jun 70 (Fre)
[Parotid gland lithiasis a propos of 3 surgically treated cases] Carlier G, et al. Rev Stomatoodontol Nord Fr 25:91-9, 1970 (Fre)
[The secretory activity of the submandibular salivary glands after removal of calculus] Sovoleva VM. Stomatologiia (Mosk) 49:32-4, Nov-Dec 70 (Rus)

SALIVARY GLAND DISEASES (C4)

Bilateral chronic sialadenitis overlying hamular processes. Report of a case. Maw RB, et al. Oral Surg 32:535-7, Oct 71
[Primary amyloidosis of the oral cavity] Dechaume M, et al. Rev Dent Liban 20:1-19, Mar-Jun 70 (Fre)
[A case of excavated tuberculous adenitis of the parotid gland with spreading to the gland] Recoing J, et al. Rev Stomatol Chir Maxillofac 72:474-8, Apr-May 71 (Fre)
[Sialectasic parotitis] Musiari C, et al. Ann Med Nav (Roma) 75:631-40, Nov-Dec 70 (Ita)
[On some aspects of pathology of the salivary glands in otorhinolaryngologic practice and their treatment] Pignataro O, et al. Arcisp S Anna Ferrara 22:641-52, 1969 (Ita)
[Observations on inflammatory, neoplastic and degenerative pathology of the parotid (tuberculosis, Warthin's tumor, Mikulicz' tumor or benign lymphoepithelial lesion). 1. Tuberculosis of the parotid and of the parotid loge] Monti GF, et al. Chir Ital 21:119-32, Apr 69 (Ita)
[Primary tuberculosis of the conjunctiva with parotid involvement] Salgarello G, et al. Chir Patol Sper 17:50-62, Feb 69 (Ita)
[Tuberculosis of the parotid gland] Rossi G, et al. Minerva Otorinolaringol 19:19-32, Jan-Feb 69 (Ita)
[Sialadenopathy] Uherek-Straszko H, et al. Pol Tyg Lek 25:1659-60, 2 Nov 70 (Pol)

CHEMICALLY INDUCED

Salivary gland hemorrhage--an unusual complication of coumadin anticoagulation. DeCastro CM, et al. Am Heart J 80:675-6, Nov 70
Salivary gland hemorrhage as a complication of anticoagulation therapy. Glasser SP, et al. Am Heart J 82:282, Aug 71
[Phenylbutazone derivatives and pathology of the salivary glands] Chimenes H. Presse Med 79:54, 9 Jan 71 (Fre)
[Drug-induced salivary gland enlargement] Bjark P. Tidsskr Nor Laegeforen 91:272-4, 10 Feb 71 (Nor)

CLASSIFICATION

[Clinical pathology of sialadenitis and sialadenosis] Seifert G. HNO 19:1-9, Jan 71 (Ger)

COMPLICATIONS

A case of the Zollinger-Ellison syndrome associated with hyperplasia of salivary and Brunner's glands. Jones BS, et al. Gut 11:837-9, Oct 70
Salivary gland function in sarcoidosis. Report of a case. Chisholm DM, et al. Oral Surg 37:766-71, Jun 71
[Pain: oral-jaw surgical aspects] Gilhuus-Moe O. Nor Tannlaegeforen Tid 80:816-21, Dec 70 (Nor)

DIAGNOSIS

Differential diagnosis in Mikulicz's syndrome, Mikulicz's disease, and similar disease entities. Meyer D, et al. Am J Ophthalmol 71:516-24, Feb 71
Sjogren's syndrome. Arthritis Rheum 13:503-5, Sep-Oct 70
An unusual salivary gland calculus. Brown JM. Med J Aust 2:877-8, 7 Nov 70
[Isolated sarcoidosis of the parotid loculus] Gaillard J, et al. J Fr Otorhinolaryngol 19:813-5, Dec 70 (Fre)
[Management of an isolated "tumefaction" of the neck] Gaillard J, et al. J Med Lyon 50:1575-98, 20 Nov 69 (Fre)
[Recurrent swelling of the submandibular glands] Rauch S. Dtsch Med Wochenschr 96:519-20, 19 Mar 71 (Ger)
[Clinical contribution to parotid tuberculosis] Tacke W, et al. HNO 17:10-1, Jan 69 (Ger)
[Indication range of salivary gland scintigraphy] Münzel M. Monatsschr Ohrenheilkd Laryngorhinol 104:247-50, 1970 (Ger)
[On the association of thermographic, scintigraphic and sialographic study in the pathology of the salivary gland] Chiesa A, et al. Chir Ital 20:952-75, Oct 68 (Ita)
[On methodology in the radiological study of the salivary glands] Macchi C, et al. Chir Ital 20:932-51, Oct 68 (Ita)
[Scialo-scintigraphy in clinical diagnosis] De Campora E, et al. Clin Otorinolaringoiatr 20:458-69, Nov-Dec 68 (Ita)
[Pseudoneoplastic lymphomatous sialoadenitis. (Clinical case repots and histopathological study)] Santoro E, et al. Rass Int Clin Ter 49:1271-9, 31 Oct 69 (Ita)
[Topographic diagnosis of diseases of the parotid and submaxillary salivary glands] Bogin IuN, et al. Biull Eksp Biol Med 71:27-31, Mar-Apr 71 (Rus)
[Characteristics of new radioisotope methods of studying the salivary glands] Iudin LA. Sov Med 34:20-5, Jan 71 (Rus)

ETIOLOGY

Primary amyloidosis involving lip, gums and salivary glands. Strauss JS. Arch Dermatol 102:119, Jul 70
Sialadenitis after intravenous pyelography. Nakadar AS, et al. Br Med J 3:351-2, 7 Aug 71
Parotid enlargement due to alcoholism. Mandel L, et al. J Am Dent Assoc 82:369-73, Feb 71
[Parotid-endocrine correlations] Popescu V, et al. Rev Port Estomatol Cir Maxilofac 11:213-7, Jan-Jun 70 (Fre)
[Etiologic aspects of sialadenoses] Münzel M. Z Laryngol Rhinol Otol 50:389-93, May 71 (Ger)
[Pathology of radiation-induced sialadenitis] Seifert G, et al. Z Laryngol Rhinol Otol 50:376-88, May 71 (Ger)
[Acute postoperative sialoadenitis] Manfredi C. Arch Stomatol (Napoli) 9:67-77, Jan-Mar 68 (Ita)
[Primary tuberculous skin complex with sialadenitis] Toscano F, et al. G Mal Infett Parassit 22:672-5, Oct 70 (Ita)
[False metastasis] Iancu I, et al. Rev Med Chir Soc Med Nat Iasi 75:201-4, Jan-Mar 71 (Rum)

MICROBIOLOGY

Corynebacterium: an oral-systemic pathogen: report of cases. Goldberg MH. J Oral Surg 29:349-51, May 71

OCCURRENCE

[Pathohistological studies on the occurrence of sialolithiasis and sialadenitis of the parotid gland] Seemann N. HNO 17:3-8, Jan 69 (Ger)

PATHOLOGY

Lymphocytic sialadenitis in the major and minor glands: a correlation in postmortem subjects. Chisholm DM, et al. J Clin Pathol 23:690-4, Nov 70
[Pathohistological studies on the occurrence of sialolithiasis and sialadenitis of the parotid gland] Seemann N. HNO 17:3-8, Jan 69 (Ger)
[Pathology of salivary glands in the course of collagen diseases] Seifert G. HNO 19:193-200, Jul 71 (Ger)
[Pathological morphology of the submaxillary salivary glands affected by calculosis] Valetta G, et al. Arch Stomatol (Napoli) 9:23-9, Jan-Mar 68 (Ita)

PHYSIOPATHOLOGY

Pilocarpine as a diagnostic aid in the scintillography of sialopathies. Tarkiainen E, et al. Acta Otolaryngol (Stockh) 70:113-25, Aug 70

RADIOGRAPHY

[Sialography in inflammatory and neoplastic diseases of the salivary glands in children] Vichi GF, et al. Ann Radiol (Paris) 14:481-90, May-Jun 71 (Fre)
[Value of scintigraphy in parotidosis of alcoholics] Cadenat H, et al. Rev Stomatol Chir Maxillofac 72:543-8, Jul-Aug 71 (Fre)
[Radiological technic for better visualization of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

parotid structures] Caroggio A, et al.
Arcisp S Anna Ferrara 22:719-24, 1969 (Ita)
[Sialography of the submandibular gland (critical considerations and case reports)] Romano GL.
Nunt Radiol Suppl 1:104+, 1968 (Ita)
[Parotidography (considerations and case reports)] Romano GL. Nunt Radiol Suppl 1:180+, 1968 (Ita)
[Roentgenologic studies of diseases of submandibular salivary glands] Akhmedov BP, et al.
Stomatologiia (Mosk) 50:79-80, Jan-Feb 71 (Rus)

SURGERY

Surgery for nonneoplastic parotid disease. Hecht DW, et al. Arch Otolaryngol 92:463-7, Nov 70
Surgery of Stensen's duct. Kitamura T, et al.
Arch Otolaryngol 93:189-93, Feb 71
Salivary gland surgery some personal reflections. Patey DH. Lond Clin Med J 11:43-50, Jan 70
Parotid-duct translocation. Cohen IK, et al.
N Engl J Med 284:334, 11 Feb 71
Chronic obstructive sialadenitis. Marano PD, et al. Oral Surg 31:316-20, Mar 71
[3 cases of parotidectomy in inflammatory lesions] Lachard J, et al.
Rev Stomatol Chir Maxillofac 72:344-6, Mar 71 (Fre)
[Current state of surgery of the salivary glands. A critical review] Patey DH.
Recent Progr Med (Roma) 46:578-99, Jun 69 (13 ref.) (Ita)
[The salivary-sweating syndrome, a relatively frequent complication of parotidectomy] Gergel L, et al.
Stomatologia (Bucur) 17:435-40, Sep-Oct 70 (Rum)

VETERINARY

Radiologic diagnosis of foreign body of tongue and salivary cyst in a dog. Battershell D.
J Am Vet Med Assoc 158:256-8, 15 Jan 71
Characterization of dogs with salivary cyst. Knecht CD, et al. J Am Vet Med Assoc 158:612-3, 1 Mar 71
Surgical treatment of sialocele in the dog. (A photographic essay). Leighton RL.
Vet Med Small Anim Clin 65:987-90, Oct 70

SALIVARY GLAND FISTULA (C4)

Parotid duct fistula: a review. Hemenway WG, et al.
South Med J 64:912-8, Aug 71

ETIOLOGY

Parotid-antral fistula. Complication of facial fracture. Bergstrom L, et al. Arch Otolaryngol 93:519-20, May 71

SURGERY

Method for management of parotid duct transection in war wounds. Wallace JR. J Oral Surg 27:882-4, Nov 69

VETERINARY

Extirpation of the parotid gland in a mare. Peddie JF, et al. Vet Med Small Anim Clin 66:605-6, Jun 71

SALIVARY GLAND NEOPLASMS (C2)

Mucoepidermoid tumors of the major salivary glands. Thorvaldsson SE, et al. Am J Surg 120:432-8, Oct 70
The recurrence of salivary gland tumours. Mallett KJ, et al. J Laryngol Otol 85:439-48, May 71
Salivary gland inclusion in the anterior mandible. Report of a case with a review of the literature on aberrant salivary gland tissue and neoplasms. Miller AS, et al. Oral Surg 37:790-7, Jun 71 (81 ref.)
[Metastases of skin tumors in the parotid and submandibular lymphatic glands] Černý L, et al.
Cas Lek Cesk 110:294-7, Mar 71 (Cze)
[Pseudo-tumoral glandular cheilitis] Mathieu L, et al.
Ann Odontostomatol (Lyon) 27:95-8, May-Jun 70 (Fre)
[Tumor of the submaxillary gland revealing a tumor of the cecum] Legros M, et al.
Ann Otolaryngol Chir Cervicofac 88:173-6, Mar 71 (Fre)
[Mixed tumors and cylindromas of the submaxillary gland: prognosis and treatment. Apropos of 11 cases] Gignoux M, et al.
J Fr Otorhinolaryngol 19:617-21, Oct 70 (Fre)
[Epithelioma with altered stroma of the submaxillary gland] Piaget F, et al.
J Fr Otorhinolaryngol 20:617-8, Apr 71 (Fre)
[Cylindroma. Apropos of a case of cylindroma of the sublingual salivary gland] Mazzoli M.
Arch Ital Patol Clin Tumori 12:41-55, Jan-Jun 69 (Ita)
[On some aspects of pathology of the salivary glands in otorhinolaryngologic practice and their treatment] Pignataro O, et al.
Arcisp S Anna Ferrara 22:641-52, 1969 (Ita)
[Cylindromas] Longo S, et al.
Rass Int Clin Ter 50:741-52, 30 Jun 70 (Ita)
[Salivary gland tumor--2 cases of papillary cystadenoma lymphomatosum (Warthin's tumor)] Maruta J, et al.
Iryo 25:459-63, Jun 71 (Jap)
[Pleomorphic adenomas of the salivary gland] Wagner AM, et al.
Rev Asoc Odontol Argent 57:295-6, Aug-Sep 70 (Spa)

CHEMICALLY INDUCED

Sex difference and carcinogenic dosage in the induction of neoplasms in salivary glands of rats. Glucksmann A, et al. Br J Cancer 25:212-24, Mar 71
Thymectomy and its effect on chemically induced submandibular neoplasms. Sheehan R, et al.
J Dent Res 50:981, Jul-Aug 71
Effect of fluorouracil on carcinogenesis of rat submandibular glands. Shklar G, et al.
J Dent Res 50:985, Jul-Aug 71

DIAGNOSIS

The imprint method for the cytodiagnosis of lymphadenopathies and of tumors of the head and neck. Aust R, et al.
Acta Cytol (Baltimore) 15:123-7, Mar-Apr 71
An unusual salivary gland calculus. Brown JM.
Med J Aust 2:877-8, 7 Nov 70
Current status of radiosialography in tumor diagnosis. Gates GA.
Trans Am Acad Ophthalmol Otolaryngol 74:1183-95, Nov-Dec 70
[Indication range of salivary gland scintigraphy] Münzel M.
Monatsschr Ohrenheilkd Laryngorhinol 104:247-50, 1970 (Ger)
[Scialo-scintigraphy in clinical diagnosis] De Campora E, et al.
Clin Otorinolaringoiatr 20:458-69, Nov-Dec 68 (Ita)
[Estimation of malignant salivary gland neoplasms by the means of punction-cytology] Jakobsson PA, et al.
Nord Med 84:1311, 8 Oct 70 (Swe)

ENZYMOLOGY

Isozyme pattern of non-specific esterase during carcinogenesis. Yoshimura Y. Gann 62:187-97, Jun 71
[Enzymatic characteristics of a spontaneous adenocarcinoma of the submaxillary gland of a C3H mouse] Frati L, et al.
Boll Soc Ital Biol Sper 45:568-72, 15 May 69 (Ita)
[Histoenzymologic research on mixed salivary gland tumors] Mira E, et al.
Tumori 56:111-9, Mar-Apr 70 (Ita)

ETIOLOGY

Oncogenicity of a cell line derived from adenocarcinoma of the salivary gland of C3H-He mouse. Marcante ML, et al.
Experientia 27:434-5, 15 Apr 71
The transmission of tumours induced in cockroaches by nerve severance. Nayar KK, et al.
Experientia 27:183-4, 15 Feb 71

FAMILIAL & GENETIC

Epithelial origin of polyoma salivary tumors in mice: evidence based on chromosome-marked cells. Dawe CJ, et al. Science 171:394-7, 29 Jan 71

METABOLISM

Metabolic properties of mouse transplantable adenocarcinoma. II. Substrate utilization by homogenates. Floridi A, et al.
J Natl Cancer Inst 47:271-5, Aug 71

OCCURRENCE

Salivary gland tumors in the parotid gland, submandibular gland, and the palate region. Eneroth CM. Cancer 27:1415-8, Jun 71
Epidemiological considerations of cancer of the gallbladder, bile ducts and salivary glands in the rubber industry. Mancuso TF, et al.
J Occup Med 12:333-41, Sep 70
[Salivary gland tumors in the German Democratic Republic during 1955-1958. 1] Otto HD, et al.
Dtsch Gesundheitsw 25:1364-8, 16 Jul 70 (Ger)
[Malignancy of intraoral salivary gland neoplasms] Koblin I. Dtsch Zahnaerztl Z 26:347-52, Mar 71 (Ger)

PATHOLOGY

Electron microscopy in head and neck oncology. Friedmann I.
Acta Otolaryngol (Stockh) 71:115-22, Feb-Mar 71
Epithelial and myoepithelial oncocytes. Ultrastructural study of a salivary gland oncocytoma. Askew JB Jr, et al. Arch Otolaryngol 93:48-54, Jan 71
Minor salivary gland duct changes due to obstruction. Eversole LR, et al. Arch Otolaryngol 94:19-24, Jul 71
Mixed tumor of the middle ear. A case report. Saeed YM, et al. Arch Otolaryngol 93:433-4, Apr 71
Central acinic cell tumor of the mandible. Report of case. Ito H, et al.
Bull Tokyo Med Dent Univ 17:239-47, Sep 70
Role of myoepithelial cells in the development of salivary gland tumors. Hübner G, et al.
Cancer 27:1255-61, May 71
The myothelia (myoepithelial cells). Normal state; regressive changes; hyperplasia; tumors. Hamperl H.
Curr Top Pathol 53:161-220, 1970 (179 ref.)
Solitary neurilemoma of salivary glands. Sodagar R, et al. Eye Ear Nose Throat Mon 50:306-8, Aug 71
Histological differences between benign and malignant mucoepidermoid tumours of salivary glands. Shrikhande SS, et al. Indian J Cancer 7:200-6, Sep 70
Ultrastructure of adenoid cystic carcinoma of salivary gland origin. Tandler B. Lab Invest 24:504-12, Jun 71
Pleomorphic adenoma arising in the maxillary sinus. Case report. Martis CS, et al.
Plast Reconstr Surg 47:290-2, Mar 71
[Clinical aspects of benign and malignant mesenchymal salivary gland tumors] Rauch S.
Fortschr Kiefer Gesichtschir 14:178-84, 1970 (Ger)
[Electron microscopic studies on salivary gland neoplasms] Hübner G. HNO 19:137-44, May 71 (Ger)
[Distribution, morphology and behavior of epithelial salivary gland neoplasms] Kleinsasser O.
HNO 17:197-211, Jul 69 (Ger)
[Occurrence and significance of myoepithelial cells (myothelia) in tumors] Hamperl H, et al.
Klin Wochenschr 49:144-8, Feb 71 (Ger)
[Adenolymphoma of the salivary glands] Bucciarelli E, et al.
Lav Ist Anat Istol Patol Perugia 29:57-71, 1969 (Ita)
[Oral tumors of the minor salivary gland--with special reference to adenocarcinoma] Kamizaki J, et al.
Otolaryngology (Tokyo) 43:315-21, Apr 71 (Jap)
[Sebaceous-like cells in salivary glands and in salivary gland tumors] Sikorowa L.
Nowotwory 21:21-30, Jan-Mar 71 (Pol)
[Cylindroma of the salivary glands (histocytologic study)] Parshikova SM, et al.
Arkh Patol 32:25-32, 1970 (Rus)

RADIOGRAPHY

Radiologic diagnosis of salivary gland tumors. Meine FJ, et al.
Radiol Clin North Am 8:475-85, Dec 70 (23 ref.)

RADIOTHERAPY

Radiosensitivity--what is it? Rider WD.
Laryngoscope 81:1045-56, Jul 71

SURGERY

Malignant lymphomas of the major salivary glands. Freedman SI. Arch Otolaryngol 93:123-7, Feb 71
Neurogenous neoplasms of major nerves of face and neck. Katz AD, et al. Arch Surg 103:51-6, Jul 71
Observations on the management of salivary gland tumors. Frazell EL. CA 18:235-40, May-Jun 68
Salivary gland tumors in ectopic sites. Ross DE, et al.
Laryngoscope 81:558-64, Apr 71
Salivary gland surgery some personal reflections. Patey DH. Lond Clin Med J 11:43-50, Jan 70
[Carcinomas of the submucosal glands] Stiebitz R.
Fortschr Kiefer Gesichtschir 13:131-4, 1968 (Ger)
[Current state of surgery of the salivary glands. A critical review] Patey DH.
Recent Progr Med (Roma) 46:578-99, Jun 69 (13 ref.) (Ita)
[Surgical treatment of facial hemangioma] Zemla J.
Czas Stomatol 24:277-83, Mar 71 (Pol)
[Remote results of removal of mixed salivary gland neoplasms] Krivolutskaia EG.
Vestn Khir 106:53-6, Jan 71 (Rus)

THERAPY

[ORL cylindromas and pseudo-cylindromas. Development and prognosis of true cylindromas. 32 cases observed more than 5 years ago] Leroux-Robert J.
Ann Otolaryngol Chir Cervicofac 87:713-24, Dec 70 (Fre)

SALIVARY GLAND VIRUSES see under

CYTOMEGALOVIRUSES (B4)

SALIVARY GLANDS (A3)

Intraductal anesthesia of salivary glands. Quinn JH.
J Oral Surg 29:230-1, Mar 71
An attempt to use 99mTc for scintiscanning of salivary glands. Chomicki OA, et al. Pol Med J 9:1082-6, 1970
The genetic analysis of puffing in polytene chromosomes of Drosophila. Ashburner M.
Proc R Soc Lond [Biol] 176:319-27, 1 Dec 70
The salivary gland chromosomes of Anopheles punctimacula. Kreutzer RD, et al.
Rev Bras Malariol Doencas Trop 21:559-70, Jul-Sep 69
Staining salivary sheaths of feeding aphids; a simple Prussian blue reaction for paraffin sections. Saxena PN. Stain Technol 45:241-2, Sep 70
Current status of radiosialography in tumor diagnosis. Gates GA.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Trans Am Acad Ophthalmol Otolaryngol 74:1183-95, Nov-Dec 70

[Foreign bodies in salivary ducts] Völgyesi J, et al. HNO 17:8-10, Jan 69 (Ger)

[Histochemical study of the adrenal cortex during exposure to cold and administration of salivary gland hormone] Satake M.
Clin Endocrinol (Tokyo) 18:920-4, Nov 70 (Jap)

ABNORMALITIES

Mixed tumor of the middle ear. A case report. Saeed YM, et al. Arch Otolaryngol 93:433-4, Apr 71

Salivary gland inclusion in the anterior mandible. Report of a case with a review of the literature on aberrant salivary gland tissue and neoplasms. Miller AS, et al. Oral Surg 37:790-7, Jun 71 (81 ref.)

[A case of dystopic salivary gland] Maj T, et al. Wiad Lek 23:2021-2, 15 Nov 70 (Pol)

ANALYSIS

Effects of incisor amputations upon the glycosaminoglycans in salivary glands in the rat. Kofoed JA, et al. Arch Oral Biol 16:87-93, Jan 71

Studies on the isolation of epithelial growth factor from fractions of mouse salivary-gland extracts. Fenton EL, et al. Biochem J 118:32P-33P, Jun 70

Electrophoretic characterization of nucleolar RNA from Chironomus tentans salivary gland cells. Ringborg U, et al. J Mol Biol 51:327-40, 28 Jul 70

[Mobilization of calcium in rat salivary glands by isoproterenol, adrenaline and noradrenaline. Effect of alpha and beta inhibitors] Fouquin N, et al. J Physiol (Paris) 63:50A, Mar-Apr 71 (Fre)

[Analysis of the histochemical tingibility of rat salivary glands] Farnararo A, et al.
Arch Stomatol (Napoli) 9:59-66, Jan-Mar 68 (Ita)

[Histochemistry of the lipids of the major salivary glands of Bos taurus] Zaniboni G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:717-20, 1968 (Ita)

[Mucin of the salivary glands] Hashimoto Y.
Protein Nucleic Acid Enzyme (Tokyo) 16:472-8, Jun 71 (83 ref.) (Jap)

ANATOMY & HISTOLOGY

A histochemical study of the effects of castration and testosterone administration on the major salivary glands of Swiss mice. Berkman MD, et al.
Acta Anat (Basel) 76:200-19, 1970

CYTOLOGY

Morphology and cytochemistry of the Golgi apparatus of rat salivary gland acnar cells. Hand AR.
Am J Anat 130:141-57, Feb 71

Intracristal helices in salivary gland mitochondria. Hand AR. Anat Rec 168:565-8, Dec 70

Silver impregnation: collagenic and reticular fibers and the ground substance. Valdrighi L, et al.
Ann Histochim 16:29-40, Jan-Mar 71

Chromosome activity and cell function in polytenic cells. IV. Polyribosomes and their sensitivity to actinomycin. Clever U, et al.
Biochim Biophys Acta 217:108-19, 17 Sep 70

Satellite DNA associated with heterochromatin in Rhynchosciara. Eckhardt RA, et al.
Chromosoma 32:407-27, 16 Mar 71

Studies in polytene chromosomes of sciarids. I. The salivary chromosomes of Sciara (Lycoriella) pauciseta (II), Felt. Gabrusewycz-Garica N.
Chromosoma 33:421-35, 1971

Local protein accumulation during gene activation. II. Interferometric measurements of the amount of solid material in temperature induced puffs of Drosophila hydei. Holt TK. Chromosoma 32:428-35, 16 Mar 71

Heterogeneous ultrastructure of the granules of Drosophila salivary glands. Vidal OR, et al.
Experientia 27:178-9, 15 Feb 71

The structural basis of fluid secretion. Oschman JL, et al. Fed Proc 30:49-56, Jan-Feb 71

Evidence for transport of preribosomal RNA from the nucleolus to the chromosomes in Chironomus tentans salivary gland cells. Ringborg U, et al.
J Mol Biol 51:679-86, Aug 70

Of microtubules and membranes: the development of the salivary gland imaginal disc. Tulchin N, et al.
J Ultrastruct Res 32:443-57, Sep 70

Stimulation of cell proliferation in mouse kidney by isoproterenol. Malamud D, et al.
Lab Invest 24:140-3, Feb 71

Inhibition of isoproterenol-stimulated deoxyribonucleic acid synthesis by 5-azacytidine. Simson JA, et al. Lab Invest 24:464-8, Jun 71

[Histochemistry of the large salivary glands and glandula orbitalis externa of white rats] Tuhárska M, et al. Biologia (Bratisl) 25:845-52, 1970 (Ger)

[Ultrastructure of the human palatine gland. 1. Acinar cells] Shimono M, et al.
Shikwa Gakuho 71:1163-74, Mar 71 (Jap)

[Specific action of chromium on the nature of puff-formation in Drosophila melanogaster] Nikiforov IuL, et al.
Dokl Akad Nauk SSSR 194:441-4, 1970 (Rus)

[Electron microscopic study of polytene chromosomes in the salivary glands of Chironomus plumosus larvae] Perov NA, et al.
Dokl Akad Nauk SSSR 196:1452-5, 21 Feb 71 (Rus)

[Induction of new and specific puffs by perchlorates] Rapoport IA, et al.
Dokl Akad Nauk SSSR 194:701-4, 1970 (Rus)

[Association of polytenic chromosomes with the nuclear membrane] Gruzdev AD, et al.
Tsitologiia 12:919-21, Jul 70 (Rus)

[Changes in the conductivity of intercellular contacts in the process of cell differentiation in the salivary gland of the Drosophila virilis larvae at the 3rd stage of development] Vozhkova VP, et al.
Tsitologiia 12:1110-5, Sep 70 (Rus)

DRUG EFFECTS

Association of hypertrophy and DNA synthesis in mouse salivary glands after chronic administration of isoproterenol. Novi AM, et al.
Am J Pathol 62:295-306, Mar 71

Elevated salivary iodine and salivary gland enlargement due to iodinated contrast media. Talner LB, et al.
Am J Roentgenol Radium Ther Nucl Med 112:380-2, Jun 71

The synthesis of acidic nuclear proteins in the prereplicative phase of the isoproterenol-stimulated salivary gland. Stein G, et al.
J Biol Chem 245:6097-105, 25 Nov 70

Action of kinins on salivary myoepithelial cells. Emmelin N, et al. J Physiol (Lond) 207:539-44, Apr 70

Induction of puffs in polytene chromosomes of in vitro cultured salivary glands of Drosophila melanogaster by ecdysone and echysone analogues. Ashburner M. Nature [New Biol] 230:222-4, 14 Apr 71

Influence of dietary sodium and desoxycorticosterone on the histochemistry of the juxtaglomerular apparatus, the adrenal cortex and the salivary glands in the hamster. Cantin M, et al.
Rev Can Biol 30:11-26, Mar 71

[Action of alkaloids of Genista rumelica vel. on the weight, the thyroid gland and the salivary glands of white rats] Peičev P, et al.
Folia Med (Plovdiv) 12:188-95, 1970 (Fre)

[Modifications of histochemical reactions in the rat salivary glands induced in vivo by D-actinomycin] Baroni E, et al.
Arch Stomatol (Napoli) 10:157-64, Jul-Sep 70 (Ita)

[Effect of tetracycline on the salivary gland of the rat: histochemical study] Baroni E, et al.
Arch Stomatol (Napoli) 10:173-8, Jul-Sep 70 (Ita)

[In vivo effects of cycloheximide. Histochemical study of the changes in the salivary glands of the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:187-95, Jul-Sep 70 (Ita)

[In vivo effect of streptomycin on the histochemical dye affinity of the salivary gland in the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:179-85, Jul-Sep 70 (Ita)

[Effect of tetracycline on the salivary gland of the rat: histochemical study] Baroni E, et al.
Arch Stomatol (Napoli) 10:173-8, Jul-Sep 69 (Ita)

[In vivo effects of cycloheximide. Histochemical study of the changes in the salivary glands of the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:187-95, Jul-Sep 69 (Ita)

[In vivo effect of streptomycin on the histochemical dye affinity of the salivary gland in the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:179-85, Jul-Sep 69 (Ita)

[Modifications of histochemical reactions in the rat salivary glands induced in vivo by D-actinomycin] Baroni E, et al.
Arch Stomatol (Napoli) 10:157-64, Jul-Sep 69 (Ita)

[Behavior of mitochondrial phospholipids of the salivary glands of rats after therapy with isoproterenol] Barbieri A, et al.
Pathologica 61:307-10, Sep-Oct 69 (Ita)

EMBRYOLOGY

The development of the palatine glands in human foetuses with a crown-rump length of 32-145 mm. Nielsen G, et al. Acta Odontol Scand 29:231-50, Jun 71

[Morphology of salivary glands in the prenatal development of rats] Pospíšilová-Zuzíková.
Biologia (Bratisl) 25:861-7, 1970 (Ger)

ENZYMOLOGY

Salivary amylase activity in a millipede. Krishnamoorthy RV, et al.
Enzymologia 39:28-32, 31 Jul 70

An assay for dopamine-beta-hydroxylase activity in tissues and serum. Goldstein M, et al.
Experientia 27:632-3, Jun 71

Alkaline-phosphatase and adenosine-triphosphatase histochemical reactions in the salivary glands of cat, dog and man, with particular reference to the myoepithelial cells. Garrett JR, et al.
Histochemie 24:214-29, 1971

Localization and onset of amylase activity in mouse salivary glands determined by a substrate film method. Smith RJ, et al.
J Histochem Cytochem 19:310-9, May 71

A sensitive enzymatic assay for dopamine-β-hydroxylase. Molinoff PB, et al.
J Pharmacol Exp Ther 178:425-31, Sep 71

Histamine methyltransferase in salivary glands and gastric mucosa of man, dog, pig and cow. Lorenz W, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:395-6, 1970

[Arginase activity in the salivary glands. Effect of androgens] De Tomasi A, et al.
Rass Trimest Odontoiatr 51:207-15, Oct-Dec 70 (Ita)

[The activity of arginase in salivary glands of rats with alloxan diabetes] Szymczyk T, et al.
Czas Stomatol 24:495-500, May 71 (Pol)

INNERVATION

[Innervation of posterior salivary glands of the Octopus vulgaris] Ducros C.
Arch Anat Microsc Morphol Exp 60:27-36, Jan-Mar 71 (Fre)

[Innervation of mouth and pharynx. 6. Innervation of the intramural gland complexes] Stach W, et al.
Dtsch Zahn Mund Kieferheilkd 55:274-87 concl, Dec 70 (Ger)

METABOLISM

The effect of protriptyline on uptake and retention of dl-3H-noradrenaline in different tissues of the rat. Almgren O, et al. Acta Physiol Scand 82:282-8, Jun 71

Handling of iodide, chloride, and pertechnetate by salivary glands and the thyroid gland in man. Walker JK, et al. Ala J Med Sci 7:323-7, Jul 70

Studies on the biotransformation of salicylic acid by the salivary gland. Borzelleca JF, et al.
Arch Int Pharmacodyn Ther 188:127-36, Nov 70

Fibrinolytic and proteolytic activity in the rat. Histochemical localization in salivary glands, pancreas, and liver. Myhre-Jensen O, et al.
Arch Pathol 91:515-22, Jun 71

An unusual property of chromatin isolated from mammalian salivary glands. Bekhor I, et al.
Biochem Biophys Res Commun 42:615-20, 19 Feb 71

Differential incorporation of 5-bromodeoxyuridine into DNA puffs of larval salivary gland chromosomes in Rhynchosciara. Bradshaw WS, et al.
Biochem Biophys Res Commun 41:306-12, 23 Oct 70

Stimulation of DNA synthesis of rat salivary gland cells in monolayer cultures by isoproterenol. Kreider JW.
Cancer Res 30:980-3, Apr 70

Relative importance of neuronal and extraneuronal mechanisms for the uptake and retention of noradrenaline in different tissues of the rat. Almgren O, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:289-309, 1971

Postnatal development of a norepinephrine response to light in the rat pineal and salivary glands. Moore RY, et al. Neuropharmacology 10:315-23, May 71

[In vivo effect of chloramphenicol on the histochemical dye affinity of the salivary gland of the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:165-72, Jul-Sep 70 (Ita)

[In vivo effect of chloramphenicol on the histochemical dye affinity of the salivary gland of the rat] Baroni E, et al.
Arch Stomatol (Napoli) 10:165-72, Jul-Sep 69 (Ita)

[Analysis of the histochemical tingibility of rat salivary glands] Farnararo A, et al.
Arch Stomatol (Napoli) 9:59-66, Jan-Mar 68 (Ita)

MICROBIOLOGY

Chikungunya virus in salivary glands of Aedes aegypti (L.): an electron microscope study. Janzen HG, et al.
Can J Microbiol 16:581-6, Jul 70

PATHOLOGY

Eye changes in autoimmune NZB and NZB x NZW mice. Comparison with Sjögren's syndrome. Kessler HS, et al. Arch Ophthalmol 85:211-9, Feb 71

Minor salivary gland duct changes due to obstruction. Eversole LR, et al. Arch Otolaryngol 94:19-24, Jul 71

Lymphocytic sialadenitis in the major and minor glands: a correlation in postmortem subjects. Chisholm DM, et al. J Clin Pathol 23:890-4, Nov 70

Structure and ultrastructure of the labial salivary glands in patients with cystic fibrosis. Doggett RG, et al. J Clin Pathol 24:270-82, Apr 71

The pathologist and the surgical pathology of head and neck tumours. Teoh TB.
J R Coll Surg Edinb 16:117-34, May 71

Ultrastructure of adenoid cystic carcinoma of salivary gland origin. Tandler B. Lab Invest 24:504-12, Jun 71

Punch-biopsy of minor salivary glands in the diagnosis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of Sjögren's syndrome. Bertram U, et al.
Scand J Dent Res 78:295-300, 1970
Eastern equine encephalomyelitis virus: an electron microscopic study of Aedes triseriatus (Say) salivary gland infection. Whitfield SG, et al.
Virology 43:110-22, Jan 71
[Ultrastructural changes of the acini of the salivary glands following experimental administration of ethionine] Donath K, et al.
Virchows Arch [Pathol Anat] 353:360-74, 1971 (Ger)
[Pathological anatomy: Morphological changes in the small salivary glands of the lips in cystic fibrosis] Ferrin W, et al.
Ann Stomatol (Roma) 17:555-68, Jul 68 (Ita)
[Sebaceous-like cells in salivary glands and in salivary gland tumors] Sikorowa L.
Nowotwory 21:21-30, Jan-Mar 71 (Pol)
[Diagnostic value of palatal salivary gland biopsy in Sjogren's syndrome] Sliwowska W, et al.
Reumatologia 9:59-66, 1971 (Pol)

PHYSIOLOGY

Electric characteristics of the cellular and nuclear membranes of the salivary gland cells of Drosophila funebris larvae. Kislov AN, et al.
Comp Biochem Physiol 39:521-9, 1 Jul 71
Role of salivary glands in response to thirst stimuli. Gutman Y, et al. Isr J Med Sci 6:573-5, Jul-Aug 70
Compound stimulus effects during higher order salivary conditioning in dogs. Shapiro MM, et al.
J Comp Physiol Psychol 74:222-6, Feb 71
Uncoupling cell junctions in a glandular epithelium by depolarizing current. Socolar SJ, et al.
Science 172:492-4, 30 Apr 71
[Research on the dynamics of the chemical processes in the stimulated salivary glands] Stănesco V, et al.
Rev Roum Physiol 8:47-51, 1971 (Fre)
[Influence of sialoadenectomy and cyanide on the stress loop] Igarashi T.
Shikwa Gakuho 71:1356-70, May 71 (Jap)
[Influence of choline, parotin and salivary glandectomy on adrenal corticosterone levels in rats subjected to enforced fasting] Katagiri S.
Shikwa Gakuho 70:1481-90, Dec 70 (Jap)
[Karyometric studies on the relation between the thyroid and salivary glands in the rat] Szymik N.
Folia Morphol (Warsz) 29:365-71, 1970 (Pol)
[Membrane potential fluctuations of gland cells arising during membrane hyperpolarization] Gutkin VI.
Fiziol Zh SSSR 56:921-6, 1970 (Rus)

RADIATION EFFECTS

[Changes in the aerobic oral flora after buccopharyngeal radiotherapy] Llory H, et al.
Arch Oral Biol 16:617-30, Jun 71 (Fre)
[Pathology of radiation-induced sialadenitis] Seifert G, et al. Z Laryngol Rhinol Otol 50:376-88, May 71 (Ger)
[Preliminary studies on the changes in the electrophoretic migration profile of the proteins in human saliva during anti-blastic radiation therapy] Pini Prato G. Riv Ital Stomatol 25:1042-6, Nov 70 (Ita)
[Radiation effect on the salivary gland cells at the Go stage] Sasaki T, et al.
Jap J Cancer Clin 17:326-8, May 71 (Jap)

RADIOGRAPHY

[Scintigraphic functional exploration of the salivary glands] Janssens A.
Rev Stomatol Chir Maxillofac 72:326-9, Mar 71 (Fre)
[Scintigraphy of the salivary glands with technetium 99] Vergnes R, et al.
Rev Stomatol Chir Maxillofac 72:351-6, Mar 71 (Fre)

SECRETION

The structural basis of fluid secretion. Oschman JL, et al. Fed Proc 30:49-56, Jan-Feb 71
Effects of diet on salivary secretion and composition. Dawes C. J Dent Res 49:1263-73, Nov-Dec 70 (83 ref.)
Salivary flow rate: system for continuous monitoring. Lear R, et al. J Dent Res 49:Suppl:1557, Nov-Dec 70
The role of 5-hydroxytryptamine and cyclic AMP in the control of fluid secretion by isolated salivary glands. Berridge MJ. J Exp Biol 53:171-86, Aug 70
Salivary secretion of the male tick during copulation. Feldman-Muhsam B, et al.
J Insect Physiol 16:1945-9, Oct 70
Inhibition by heparins and heparinoid of gastric, salivary and pancreatic secretion in dogs. Feifel G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:320-1, 1970
Secretion rate and buffering action of whole mixed saliva in subjects with insulin-treated diabetes mellitus. Kjellman O. Odontol Revy 21:159-68, 1970
[Mucous secretory activity of the salivary gland of the rat studied by histochemical methods in relation to developmental phases. I. Prenatal period] Prayer Galletti F, et al.
Riv Ital Stomatol 25:1029-36, Nov 70 (Ita)
[Mucous secretory activity of the salivary gland of the rat studied by histochemical methods in relation to developmental phases. II. Postnatal period] Prayer Galletti F, et al.
Riv Ital Stomatol 25:1037-41, Nov 70 (Ita)
[Qualitative symmetry of secretions of pairs of salivary glands during their simultaneous functioning] Gutkin VI, et al. Biull Eksp Biol Med 68:30-2, Oct 69 (Rus)

SURGERY

Ablation of salivary glands as initial step in the management of selected forms of diabetes mellitus. Preliminary report. Godlowski Z, et al.
Laryngoscope 81:1337-58, Aug 71

TRANSPLANTATION

Survival comparison between totally hypophysectomized dogs and dogs with a transplant of salivary gland in the place of the extirpated hypophysis. Alvarez-Buylla R, et al.
Acta Physiol Lat Am 20:20-3, 1970
Adrenocortical activity in normal dogs, hypophysectomized dogs and dogs with a transplant of salivary gland in the place of the extirpated hypophysis. Alvarez-Buylla R, et al.
Acta Physiol Lat Am 20:93-6, 1970

SALIVATION (G1)

The nucleus supragenualis, presumptive superior salivatory nucleus. Brown JC, et al.
Acta Anat (Basel) 76:35-46, 1970
The effect of satiation upon conditioned and unconditioned salivary responses. Soltysik S.
Acta Neurobiol Exp (Warsz) 31:59-63, 1971
The parotid gland in subjects with and without rheumatoid arthritis. A sialographic and physiologic study. Ericson S.
Acta Radiol [Diagn] (Stockh) Suppl 275:1+, 1968
Immediate functional restoration of the mandible after surgical treatment of advanced oral cancer. A simple prosthesis. McQuarrie DG.
Arch Surg 102:447-9, May 71
The effect of feeding and salivation on acid-base status in carotid and jugular blood in sheep. Billitzer AW, et al. Aust J Biol Sci 23:915-23, Aug 70
Stimulus generalization in salivary conditioning. Brown BL. J Comp Physiol Psychol 71:467-77, Jun 70
Salivary flow: a prognostic test for facial paralysis. May M, et al. Laryngoscope 81:179-92, Feb 71
Effects of desalivation on experimentally induced carcinogenesis in the hamster cheek pouch. Smiler DG. Oral Surg 30:838-45, Dec 70
The parotid puzzle: a review of the literature on human salivation and its applications to psychophysiology. Brown CC. Psychophysiology 7:65-85, Jul 70 (58 ref.)
The mechanism of feeding and salivation in Boophilus microplus (Canestrini, 1887). Kemp DH, et al.
Z Parasitenkd 37:55-69, 1971
[Thermoregulatory hyperventilation, salivation and urinary excretion in domestic swine during exogenous hyperthermia] Steinhardt M, et al.
Arch Exp Veterinaermed 24:793-800, 1970 (Ger)
[Angular accelerations, hypoxia and parotid secretion] Biarzino A, et al.
Minerva Med 61:4252-60, 28 Sep 70 (Ita)
[Reflex mechanisms correlating the functions of the salivary glands and kidneys] Esipenko BE.
Fiziol Zh SSSR 56:95-101, Jan 70 (Rus)
[Interrelationships between secretion and blood supply of the parotid glands] Pastukhov VA.
Fiziol Zh SSSR 56:407-12, Mar 70 (Rus)
[Appearance of periodic rhythm components in the activity of the salivary glands, stomach and duodenum in hunger and after intake of small quantities of food] Sukhodolo VD, et al.
Fiziol Zh SSSR 56:1820-7, Dec 70 (Rus)
[Salivary conditioned reflexes during chronic painful stimulation] Danilov GE.
Zh Vyssh Nerv Deiat 20:1149-54, Nov-Dec 70 (Rus)
[Interaction between negative and positive unilateral conditioned reflexes (according to the quantity and quality of salivary secretion)] Fomicheva EE.
Zh Vyssh Nerv Deiat 19:698-700, Jul-Aug 69 (Rus)
[Method for quantitative measurement of drooling] Ekedahl C, et al. Nord Med 85:577-8, 6 May 71 (Swe)
[Cortical regulation of salivation] Esipenko BE, et al.
Fiziol Zh 15:620-4, Sep-Oct 69 (Ukr)

DRUG EFFECTS

Antagonism of arecilidine-induced tremor, analgesia, hypothermia, salivation and lacrimation by some pharmacologic agents. Chiang TS, et al.
Arch Int Pharmacodyn Ther 189:295-305, Feb 71
Effect of gastrointestinal hormones on salivation in the dog. Clendinnen BG, et al. Arch Surg 101:596-8, Nov 70
Effect of diazepam on human salivary secretion. Steiner JE, et al. Digestion 3:262-8, 1970
[The neuroleptic syndrome] Ostaptzeff G, et al.
Ann Med Psychol (Paris) 2:614-7, Nov 70 (Fre)
[Treatment of mouth dryness caused by psychotropic drugs] Deniker P, et al.
Presse Med 78:2383-4, 12 Dec 70 (Fre)
[Stimulatory effect of organic acids and salts on parotid secretion in ruminants] Hagemeister H, et al.
Z Tierphysiol 26:258-64, Aug 70 (Ger)
[Use of physalaemin in the treatment of Sjogren's disease] Tamborini A, et al.
Ann Ottalmol Clin Ocul 95:945-60, Dec 69 (Ita)
[The effects of N-methyl-hyoscine methyl sulfate (DD-234 or 1290 CERM) upon the gastrointestinal motility and salivation] Hukuhara T, et al.
Jap J Smooth Muscle Res 6:263-9, Dec 70 (Jap)
[The effect of vasopressin and pituitrin on the parotid and submaxillary glands] Iaremenko MS.
Biull Eksp Biol Med 68:73-5, Aug 69 (Rus)

SALIX (B6)

ANALYSIS

[Phytochemical studies of Mongolian medical plants. 3. Phenolglycosides of Salix caspica Pall] Benecke R, et al. Pharmazie 26:181, Mar 71 (Ger)
[Phenolglycosides of Salicaceae. 8. Studies on the glycoside accumulation in some middle European populus species] Thieme H, et al.
Pharmazie 26:227-31, Apr 71 (Ger)

SALK VACCINE see under POLIOVIRUS VACCINE (D12)

SALMINE see under PROTAMINES (D7, D10)

SALMONELLA (B3)

Recent results on the biochemistry of the cell wall lipopolysaccharides of Salmonella bacteria. Lüderitz O. Angew Chem [Engl] 9:649-63, Sep 70 (62 ref.)
Survival of Salmonella anatum heated in various media. Moats WA, et al. Appl Microbiol 21:476-81, Mar 71
Change of host range in a resistance factor. Anderson ES, et al. Genet Res 16:207-14, 2 Oct 70
Electrophoretic study of Salmonella typhimurium-Salmonella montevideo hybrids. Atkins CG, et al. Genetics 63:775-9, Dec 69
Thermal inactivation of Salmonella senftenberg 775W in poultry meat. Milone NA, et al.
Health Lab Sci 7:199-225, Oct 70
New generalized transducing bacteriophage in Echerichia coli. Mise K, et al. J Virol 6:253-5, Aug 70
Reduction of Salmonella in compost in a hog-fattening farm oxidation vat. Kampelmacher EH, et al.
J Water Pollut Control Fed 43:1541-5, Jul 71
River flora. Lancet 1:122, 16 Jan 71
High temperature storage of spray-dried egg white. 3. Thermal resistance of Salmonella oranienburg. McBee LE, et al. Poult Sci 50:452-8, Mar 71
Specialized transduction of the salmonella hut operons by coliphage lambda: deletion analysis of the hut operons employing lambda phut. Smith GR.
Virology 45:206-23, Jul 71
Infections produced by S. panama. Nestorescu N, et al.
Zentralbl Bakteriol [Orig] 214:86-90, 1970
[Variants of S. pullorum gallinarum under the effects of bacteriophage in vitro] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:147-53, 1969 (Bul)
[Lysogeny bacteriophages of Salmonella] Vieu JF, et al.
Arch Roum Pathol Exp Microbiol 28:773-5, Dec 69 (Fre)
[The effect of pelletization on the Salmonella content of feed] Kielstein P, et al.
Monatsh Vet Med 26:12-7, Jan 71 (Ger)
[Immunogenetic studies on microorganisms. 32. Integration site of prophage P22 and genetic locus of O-20 in Salmonella chromosome] Kishi K.
Med Biol (Tokyo) 81:311-4, 10 Dec 70 (Jap)
[Polymorphism of bacterial flagella] Asakura S.
Protein Nucleic Acid Enzyme (Tokyo) 15:1372-81, Nov 70 (Jap)
[The effect of enteral vaccination on the radioresistance of mice] Murav'eva LI.
Biull Eksp Biol Med 65:44-6, May 68 (Rus)
[The ability of microorganisms of the genus Shigella and Salmonella to inactivate antibitics] Kvetnaia AS.
Lab Delo 11:648-9, 1970 (Rus)
[Method of oxidative degradation of specific sugars in the production of O-monoreceptive corpuscular salmonella antigens] Shobukhova TS.
Lab Delo 4:211-4, 1970 (Rus)
[Immunogenic characteristics of attenuated strains of Salmonella] Matvienko BA.
Veterinariia 8:44-5, Aug 70 (Rus)
[Salmonella carrier state in animals] Zagaevskii IS.
Veterinariia 1:51-3, Jan 71 (Rus)
[Mechanism of immunogenesis in vaccination with streptomycin-dependent mutants of Salmonella and Shigella. I. Dynamics of seeding of the organism and reaction of the macrophages] Frolova MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:96-100, Apr 70 (Rus)
[Virulent properties of revertants of streptomycin-dependent salmonella mutants]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Shuster Blu, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:29-33, Jun 71 (Rus)
[Production of streptomycin dependent (str-d) mutants of salmonellae by the transduction method] Shuster Blu, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:83-4, Sep 70 (Rus)

ANALYSIS

Structural studies on the O-specific side-chains of the cell-wall lipopolysaccharide from Salmonella strasbourg. Hellerqvist CG, et al.
Acta Chem Scand 24:1168-74, 1970
Fragmentation analiysis of the salmonella newport lipopolysaccharide. Hellerqvist CG, et al.
Acta Chem Scand 25:601-6, 1971
Chromatographic studies on cellular fractions derived from Salmonella strains: S. ngozi and S. dahlem. Kedzierska B, et al.
Bull Acad Pol Sci [Biol] 19:43-8, 1971
Studies on the structure of T1 lipopolysaccharides. Berst M, et al. Eur J Biochem 18:361-8, 1 Feb 71
The linkage of phosphate groups and of 2-keto-3-deoxyoctonate to the lipid A component in a Salmonella minnesota lipopolysaccharide. Gmeiner J, et al. Eur J Biochem 21:355-6, 16 Aug 71
The linkage of pyrophosphorylethanolamine to heptose in the core of Salmonella minnesota lipopolysaccharides. Lehmann V, et al.
Eur J Biochem 21:339-47, 16 Aug 71
Studies on the fatty acid composition of some salmonellas. Modak MJ, et al.
J Gen Microbiol 60:151-7, Feb 70
Biological activities of the protein moiety of Pseudomonas aeruginosa endotoxin. Abe C, et al.
Jap J Med Sci Biol 24:64-8, Feb 71
Detection of salmonellae in frozen poultry products using the Banwart flask. Banwart GJ.
Poult Sci 50:477-81, Mar 71
[Heterophile type-specific substances of bacteria. 38. Structure of blood group A active oligosaccharides from S. riogrande lipopolysaccharide] Furukawa K, et al. Med Biol (Tokyo) 81:273-7, 10 Dec 70 (Jap)

CLASSIFICATION

Application of gel adsorption to characterize strains of the family Enterobacteriaceae. Szöllösy E.
Acta Microbiol Acad Sci Hung 17:205-12, 1970
On the classification and nomenclature of the genus Salmonella. Kauffmann F.
Acta Pathol Microbiol Scand [B] 79:421-2, 1971
An indole positive variant of S. gombe. Schmilovitz M, et al. Ann Inst Pasteur (Paris) 120:172-3, Feb 71
Additional Salmonella serotype: Salmonella enteritidis ser. Madigan (44:e:1,5). McElrath HB, et al.
Appl Microbiol 21:150-1, Jan 71
The distribution of various types of Salmonellae and Arizonas in reptiles. Zwart P, et al.
Zentralbl Bakteriol [Orig] 213:201-12, 1970
[Observations on the H: r,(i) phase of Salmonella] Le Minor L, et al.
Ann Inst Pasteur (Paris) 120:62-71, Jan 71 (Fre)
[Four new serotypes of Salmonella isolated in France] Le Minor L, et al.
Ann Inst Pasteur (Paris) 120:169-71, Feb 71 (Fre)
[Supplement No. 13 to the Kauffman-White scheme] Le Minor L.
Ann Inst Pasteur (Paris) 119:438-43, Oct 70 (Fre)
[3 new Salmonella serotypes isolated in Africa] Le Minor L, et al.
Ann Inst Pasteur (Paris) 120:627-9, May 71 (Fre)
[Seven new serotypes of Salmonella isolated in the Senegal] Le Minor S, et al.
Ann Inst Pasteur (Paris) 120:164-8, Feb 71 (Fre)
[A new Salmonella species, S. butare=52:e, h:1,6, isolated in Rwanda] Van Oye E, et al.
Ann Inst Pasteur (Paris) 119:444-5, Oct 70 (Fre)
[Appearance in France of a Salmonella panama biotype not decarboxylating lysine] Catsaras M, et al.
Ann Inst Pasteur Lille 20:159-61, 1969 (Fre)
[Manifestations of lysosensitivity among strains of Salmonella panama] Nestoresco N, et al.
Arch Roum Pathol Exp Microbiol 28:997-1003, Dec 69 (Fre)
[Activities of Centre National Sénégalais des Entérobactéries (Institute Pasteur de Dakar) in 1968] Sarrat H.
Bull Soc Pathol Exot 62:806-14, Sep-Oct 69 (Fre)
[Occurrence of lysine decarboxylase-negative biotypes of Salmonellae using Taylor's method] Wuthe HH.
Arch Hyg Bakteriol 154:537-9, Apr 71 (Ger)
[District medical orientation on Salmonella problems] Baumann H. Praxis 59:1392-4, 6 Oct 70 (Ger)
[Serologic diagnosis of Salmonella, Shigella and enteritis coli strains] Thilo W, et al.
Z Aerztl Fortbild (Jena) 63:1255-8, 1 Dec 69 (Ger)
[Discovery of a new Salmonella species "S. ascherieben" with the antigen formula 30:b:1,5] Kiesewalter J, et al.
Z Gesamte Hyg 16:810, Oct 70 (Ger)
[13 new types of Salmonella subgenus I and three serological variants] Bockemühl J, et al.
Zentralbl Bakteriol [Orig] 216:323-32, 1971 (Ger)
[Technical modification of the swarming plate method according to Sven Gard in salmonella diagnosis] Koehn A.
Zentralbl Bakteriol [Orig] 215:449-55, 1970 (Ger)
[Classification of Salmonella R forms. 5. Investigations on Salmonella ruiru mutants] Schlecht S, et al.
Zentralbl Bakteriol [Orig] 215:196-202, 1970 (Ger)

CYTOLOGY

Interconversion between flagella and P-filament in vitro. Hotani H. J Mol Biol 57:575-87, 14 May 71
An X-ray diffraction study of reconstituted straight Salmonella flagella. Wakabayashi K, et al.
J Mol Biol 53:567-70, 14 Nov 70

DRUG EFFECTS

The problems of drug-resistant pathogenic bacteria. Practical effectiveness of agents curing R factors and plasmids. Bouanchaud DH, et al.
Ann NY Acad Sci 182:305-11, 11 Jun 71
II. Experimental and clinical aspects of resistance determinants. Experimental transfer of antibiotic resistance in swine. Jarolmen H.
Ann NY Acad Sci 182:72-9, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Experimental and clinical aspects of resistance determinants. Observations on the in vivo transfer of R factors. Smith HW.
Ann NY Acad Sci 182:80-90, 11 Jun 71
The public health implications of drug-resistant bacteria in farm animals. Walton JR.
Ann NY Acad Sci 182:358-61, 11 Jun 71
Antibiotic resistance of Salmonella in the eastern United States. Winshell EB, et al.
Antimicrob Agents Chemother 9:86-9, 1969
Survey of infectious multiple drug resistance among salmonella isolated from animals in the United States. Pocurull DW, et al. Appl Microbiol 21:358-62, Feb 71
Survey of infectious multiple drug resistance among Salmonella isolated from animals in the United States. Pocurull DW, et al. Appl Microbiol 21:358-62, Feb 71
Factors which influence synergism by neomycin and oxytetracycline. Williams BJ.
Appl Microbiol 21:668-72, Apr 71
Sulphonamide resistance of salmonellae isolated from farm and other animals. Slavin G.
Br Vet J 126:297-301, Jun 70
A tissue culture technique for the assay of antibacterial immune sera. Diena BB, et al.
Can J Microbiol 17:135, Jan 71
Ampicillin and tetracycline resistance of salmonella. Sharma S, et al. Indian J Med Res 58:1307-12, Oct 70
The development of transferable drug resistance in Salmonella and its public health implications. Baldwin RA. J Am Vet Med Assoc 157:1841-53, 1 Dec 70 (84 ref.)
A protracted hospital-associated outbreak of salmonellosis due to a multiple-antibiotic-resistant strain of Salmonella indiana. Adler JL, et al.
J Pediatr 77:970-5, Dec 70
Antibiotic resistance of salmonella in northeastern United States 1968-199. Neu HC, et al.
NY State J Med 71:1196-200, 1 Jun 71
Effect of a chemical additive on Salmonella in poultry feed and host birds. Westerfeld BL, et al.
Poult Sci 49:1319-23, Sep 70
The sensitivity of Salmonella choleraesuis to sodium sulphadiazine. Chung GT, et al.
Res Vet Sci 12:287-9, May 71
The susceptibility of 163 strains of salmonellae to eleven anti-microbial agents. Sng EH, et al.
Singapore Med J 12:8-12, Feb 71
[Distribution of the modes of streptomycin resistance in the wild Enterobacteriaceae strains] Rassekh M, et al. Pathol Microbiol (Basel) 36:301-2, 1970 (Fre)
[Occurrence of Salmonellae in captive wild animals. 3. Antibiotic sensitivity of isolated strains of Salmonellae] Schröder HD, et al.
Monatsh Vet Med 25:551-4, 15 Jul 70 (Ger)
[Salmonelloses in a psychiatric clinic. A 2 year study] Pagon S, et al.
Schweiz Med Wochenschr 101:115-23, 30 Jan 71 (Ger)
[Action of kanamycin on S. pullorum-gallinarum. I. Research in vitro] Compagnucci M, et al.
Acta Med Vet (Napoli) 15:517-30, Nov-Dec 69 (Ita)
[Comparative studies on the antibiotic activity in vitro of oxytetracycline and of a new derivative of the tetracycline group (7-chloro-6-methylen-5-oxytetracycline) as used on Salmonella pullorum] Di Modugno G.
Acta Med Vet (Napoli) 17:99-104, Jan-Apr 71 (Ita)
[Occurrence of R factors in strains of pathogenic enterobacteria isolated from gastroenteritis in children] Natoli D, et al.
G Mal Infett Parassit 21:959-66, Dec 69 (Ita)
[Sensitivity to antibiotics, sulfathiazole and nitrofurantoin of Salmonella strains isolated from animals in Poland in the years 1967-1968] Anusz Z.
Przegl Epidemiol 24:305-12, 1970 (Pol)

ENZYMOLOGY

Branched chain amino acid aminotransferase of Salmonella typhimurium. II. Kinetic comparison with the enzyme from Salmonella montevideo. Coleman MS, et al. J Biol Chem 246:1310-2, 10 Mar 71
Molecular defect of beta thalassaemia.
Nature (Lond) 231:353-4, 11 Jun 71
[Catalase activity in Salmonella strains] Ang O.
Tip Fak Mecm 32:616-32, 1969 (Tur)

GROWTH & DEVELOPMENT

Enteric pathogen--normal flora interactions. Hentges DJ. Am J Clin Nutr 23:1451-6, Nov 70
The effect of water activity on the heat resistance of heat sensitive and heat resistant strains of salmonellae. Baird-Parker AC, et al.
J Appl Bacteriol 33:515-22, Sep 70
The growth of Salmonella choleraesuis in various enrichment broths. Chung GT, et al.
J Appl Bacteriol 33:449-53, Sep 70
Kinetics of thermal death of bacteria. Moats WA.
J Bacteriol 105:165-71, Jan 71
Salmonella versus providencia on specific media. Ramadan FM, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:227-8, 1971
Contrasting growth on different peptones. Laws GJ, et al. J Med Microbiol 4:289-92, May 71
Death rates of Salmonellae in fishmeals with different water activities. II. During heat treatment. Doesburg JJ, et al. J Sci Food Agric 21:636-40, Dec 70
Death rates of Salmonellae in fishmeals with different water activities. I. During storage. Doesburg JJ, et al.
J Sci Food Agric 21:632-5, Dec 70
Thermal resistance of salmonellae in egg yolk containing 10 percent sugar or salt after storage at various temperatures. Cotterill OJ, et al.
Poult Sci 50:109-15, Jan 71
[Growth and lipopolysaccharide content of Salmonellae grown in submersed cultures according to the "batch" method. I. Cultivation under differing aeration conditions] Schlecht S.
Zentralbl Bakteriol [Orig] 215:51-72, 1970 (Ger)
[Factors influencing the culturing of salmonellae] Zharikova MS.
Zh Mikrobiol Epidemiol Immunobiol 47:35-6, Dec 70 (Rus)

IMMUNOLOGY

Serological diagnosis of pullorum disease with the microagglutination system. Williams JE, et al.
Appl Microbiol 21:394-9, Mar 71
Salmonella screening procedure with tests for beta-galactosidase and flagellar antigens. Wilson CR, et al. Appl Microbiol 21:346-9, Feb 71
The alignment of cyanogen bromide fragments from the flagellin of Salmonella adelaide. Davidson BE.
Eur J Biochem 18:524-9, Feb 71
A reinvestigation of the anomeric configuration of mannose in the antigens of Salmonella groups B, D and E. Fukuda M, et al. Eur J Biochem 20:438-41, 11 Jun 71
Studies on cellular immunity to Salmonella typhi in vitro. Kamzolkina NB, et al.
Folia Microbiol (Praha) 16:65-73, 1971
Immunochemical and immunological studies on lipopolysaccharides of streptomycin-dependent mutants of Salmonella enteritidis. Stanislavski ES, et al. Immunochemistry 8:49-62, Jan 71
The morphology of immune reactions in normal, thymectomized and reconstituted mice. 3. Response to bacterial antigens: salmonellar flagellar antigen and pneumococcal plysaccharide. Davies AJ, et al.
Immunology 19:945-57, Dec 70
The early antibody-forming response to Salmonella antigens. A study of morphology and kinetics in vivo and in vitro. Russell PJ, et al.
Immunology 19:651-67, Oct 70
Amount, class and specificity of antibody to the lipopolysaccharide of Salmonella enteritidis after immunization by various schedules. Gupta JD, et al.
Int Arch Allergy Appl Immunol 40:256-63, 1971
Isolation and haracterization nonconverting mutants of bacteriophage epsilon 34. Wright A, et al.
J Bacteriol 105:937-9, Mar 71
Mechanism of conversion of the salmonella O antigen by bacteriophageepsilon 34. Wright A.
J Bacteriol 105:927-36, Mar 71
Immune response to chemically modified flagellin. II. Evidence for a fundamental relationship between humoral and cell-mediated immunity. Parish CR.
J Exp Med 134:21-47, 1 Jul 71
Immune response to chemically modified flagellin. I. Induction of antibody tolerance to flagellin by acetoacetylated derivatives of the protein. Parish CR.
J Exp Med 134:1-20, 1 Jul 71
Serological and finger-printing analyses of mutant flagellar antigens of Salmonella. Yamaguchi S, et al.
J Gen Microbiol 64:311-8, Dec 70
Protein biosynthesis in the spleen. II. Effect of primary immunization on the mechanism of protein synthesis. Selawry HS, et al. J Immunol 106:358-63, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Protein biosynthesis in the spleen. I. Effect of primary immunization on microsomal and ribosomal function in vitro. Selawry HS, et al.
J Immunol 106:349-57, Feb 71

Antibody formation against Salmonella flagella by an immune ribonucleic acid fraction. Yamaguchi N, et al.
J Immunol 107:99-103, Jul 71

Antigens of the type-1 fimbriae of salmonellae and other enterobacteria. Duguid JP, et al.
J Med Microbiol 2:535-53, 4 Nov 69

Regulatory effect of specific antibody on anti-bacterial antibody response to Salmonella in mice. Shimamura T, et al. Jap J Microbiol 15:95-8, Jan 71

Anti-salmonella agglutinins in chronic active liver disease. Bjorneboe M. Lancet 2:484-5, 28 Aug 71

Anti-Salmonella agglutinins in chronic active liver disease. Proteil RL, et al. Lancet 2:330-2, 14 Aug 71

Observations on idiotypy of rabbit antibodies against Salmonella abortus-equi. Oudin J, et al.
Nature [New Biol] 231:86-7, 19 May 71

Antipyrogenic effect of immune sera. Ralovich B, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:251-7, 1971

Antibody responses in rabbits to Salmonella minnesota R-mutants. Kenny K, et al.
Zentralbl Bakteriol [Orig] 217:183-97, Jun 71

Salmonella boecker Variants with different somatic antigens. Ozek O, et al.
Zentralbl Bakteriol [Orig] 216:268-70, 1971

Salmonella immunity in mice. Rauss K, et al.
Zentralbl Bakteriol [Orig] 216:32-53, 1971

[Changes in the structure and biological properties of O-antigens of Salmonella gallinarum under the effects of physical and chemical factors] G'l'bov S, et al.
Izv Mikrobiol Inst (Sofiia) 20:287-99, 1969 (Bul)

[Idiotypy of rabbit antibodies against Salmonella abortus-equi. II. Trial localization of idiotypic determinants on the molecules of different classes of immunoglobulins and on their subunits] Bordenave G.
Ann Inst Pasteur (Paris) 120:292-312, Mar 71 (Fre)

[Idiotypy of rabbit antibodies against Salmonella abortus-equi. I. Heterologous reactions] Bordenave G, et al. Ann Inst Pasteur (Paris) 120:265-91, Mar 71 (Fre)

[Providencia strain having a 0:50 antigen of Salmonella] Meuter F de.
Ann Soc Belg Med Trop 47:295-300, 1967 (Fre)

[Antiflagellar serums of Salmonella. Preparation by means of antigens precipitated with ammonium sulfate] Olinici N, et al.
Arch Roum Pathol Exp Microbiol 29:35-9, Mar-Jun 70 (Fre)

[Presence of 2 polysaccharides with different immunological specificities in Salmonella zuerich (1, 9, 12, (46), 27)] Nghiêm HO.
C R Acad Sci [D] (Paris) 273:257-9, 12 Jul 71 (Fre)

[Phage-induced antigen transformation in group E salmonellae] Schlosshardt J, et al.
Arch Exp Veterinaermed 24:333-6, 1970 (Ger)

[R-infection of salmonella bacteria by three donators in vitro] Stephan R, et al.
Berl Munch Tieraerztl Wochenschr 84:45-8, 1 Feb 71 (Ger)

[Demonstration of antibodies to salmonella-R-antigens in salmonella-O-antisera] Schlecht S, et al.
Zentralbl Bakteriol [Orig] 216:472-82, 1971 (Ger)

[Immunogenetic studies on microorganism. 33. Mechanism of manifestation of O antigen 20 in Salmonella group C3] Kishi K.
Med Biol (Tokyo) 81:315-6, 10 Dec 70 (Jap)

[An immunologic study of the O-antigens of streptomycin dependent mutants of salmonellae] Edvabnaia LS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:47-51, Dec 70 (Rus)

[Isolation, purification and biochemical study of the surface antigens of S. stanley] Gashimova PSh, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:37-42, Feb 70 (Rus)

[Methods of isolation and characteristics of Salmonella H-antigens] Pinchuk LM.
Zh Mikrobiol Epidemiol Immunobiol 48:28-9, Jun 71 (Rus)

[The specificity of serologic reactions based on serum bactericidicity] Rukhadze EZ, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:63-8, Mar 70 (Rus)

[The antigenic structure of S-R-forms of salmonellae] Stepanova LK, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:14-9, Mar 70 (Rus)

[Immunochemical analysis of the serologically active components of the O-antigen of bacteria of the Salmonella genus at various stages of S--R-dissociation] Uvarova RN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:28-31, Jan 71 (Rus)

ISOLATION & PURIFICATION

The detection of Salmonella and Shigella with the aid of a new medium for the simultaneous assay of beta-galactosidase, phenylalanine-deaminase and motility. Giammanco G, et al.
Ann Inst Pasteur (Paris) 120:525-30, Apr 71

Arizona isolations in Israel (1957-1969). Sechter I, et al.
Ann Inst Pasteur (Paris) 119:323-8, Sep 70

Rapid quantitative method for Salmonella detection in polluted waters. Cheng CM, et al.
Appl Microbiol 21:863-7, Apr 71

Prolonged Salmonella contamination of a recreational lake by runoff waters. Claudon DG, et al.
Appl Microbiol 21:875-7, May 71

Relationship of the frequency of isolation of salmonellae to their resistance to drying and freezing. Enkiri NK, et al. Appl Microbiol 21:381-2, Feb 71

One-day fluorescent-antibody procedure for detecting salmonellae in frozen and dried foods. Goepfert JM, et al. Appl Microbiol 20:977-83, Dec 70

Comparison of two plating media for detection of Salmonella from swine tissues. Harrington R Jr, et al.
Appl Microbiol 20:851, Nov 70

Increased recovery rate of salmonellae from stream bottom sediments versus surface waters. Hendricks CW. Appl Microbiol 21:379-80, Feb 71

Influence of incubation temperature and sodium heptadecyl sulfate (Tergitol No. 7) on the isolation of salmonellae from pork sausage. Morris GK, et al.
Appl Microbiol 20:192-5, Aug 70

Isolation of Shigellae. 8. Comparison of xylose lysine deoxycholate agar, hektoen enteric agar, Salmonella-Shigella agar, and eosin methylene blue agar with stool specimens. Taylor WI, et al.
Appl Microbiol 21:32-7, Jan 71

New method of isolating Salmonellae from milk. Wells JG, et al. Appl Microbiol 21:235-9, Feb 71

New method of isolating salmonellae from milk. Wells JG, et al. Appl Microbiol 21:235-9, Feb 71

Salmonella screening procedure with tests for beta-galactosidase and flagellar antigens. Wilson CR, et al. Appl Microbiol 21:346-9, Feb 71

Persistence of ampicillin-sensitive Salmonella thompsoni due to fecal penicillinase. Mandell GL, et al. Arch Intern Med 127:137-8, Jan 71

Salmonella pattern in India--II. Nath ML, et al.
Indian J Med Res 58:1563-8, Nov 70

Salmonella organisms from poultry and allied sources.
Gupta RN, et al. Indian Vet J 47:702-4, Aug 70

Animal sources of Salmonella in Israel (1963 to 1967). Gerichter CB, et al. Isr J Med Sci 6:413-21, May-Jun 70

An evaluation of a fluorescent antibody technique for the detection of Salmonellae in animal by-products, feeds, and tissues. Harrington R Jr, et al.
J Am Vet Med Assoc 157:1898-900, 1 Dec 70

New decontamination efforts and techniques for elimination of Salmonella from animal protein rendering plants. Hess GW, et al.
J Am Vet Med Assoc 157:1975-80, 1 Dec 70

Epidemiological studies on Salmonella senftenberg. I. Relations between animal foodstuff, animal and human isolations. Hobbs BC, et al.
J Hyg (Camb) 67:81-8, Mar 69

Salmonella and Arizona in reptiles and man in Western Australia. Iveson JB, et al.
J Hyg (Camb) 67:135-45, Mar 69

Salmonella senftenberg in the Sunderland area.
Sanford DA, et al. J Hyg (Camb) 67:75-9, Mar 69

Salmonella isolations in abattoirs in Greece. Vassiliadis P, et al. J Hyg (Camb) 68:601-9, Dec 70

Multiple drug resistance in salmonella group G serotypes associated with a high incidence of human infections. Okubadejo OA, et al.
J Trop Med Hyg 74:167-71, Aug 71

Salmonella--its presence in and removal from a wastewater system. Kampelmacher EH, et al.
J Water Pollut Control Fed 42:2069-73, Dec 70

Method for the examination of pharmaceutical liquid products for Salmonella. Wilson DA.
Lab Pract 19:1135, Nov 70

Spread of salmonellas. Harvey RW, et al.
Lancet 1:1133, 29 May 71

Hardwicke's Dabb-lizard (Uromastix hardwicki) as a reservoir of Salmonella in nature. Kaura YK, et al.
Res Vet Sci 11:390-2, Jul 70

Identification of a vaccine strain of S. dublin. Davies G, et al. Vet Rec 88:432-3, 17 Apr 71

The survival of Salmonella dublin in cattle slurry.
Findlay CR. Vet Rec 89:224-5, 21 Aug 71

The recovery of Salmonella dublin from rivers in Anglesey. Hooper RS. Vet Rec 87:583-6, 7 Nov 70

Persistance of three Salmonella spp. in bovine faeces.
Jeffrey DC. Vet Rec 88:339, 27 Mar 71

A study of Salmonella contamination in some Dublin poultry processing plants. Timoney J, et al.
Vet Rec 87:156-61, 8 Aug 70

The importance of house lizards (Geckonidae) for the epidemiology of salmonellosis in South East Asia.
Bockemühl J, et al.
Z Tropenmed Parasitol 21:307-12, Sep 70

Comparison of the isolation of salmonellae from human faeces by enrichment at 37 degrees C and at 43 degrees C. Bänffer JR.
Zentralbl Bakteriol [Orig] 217:35-40, May 71

Comparative studies into the isolation of Salmonella from minced meat in five laboratories. Report from a working group. Kampelmacher EH.
Zentralbl Bakteriol [Orig] 204:100-11, 1967

Salmonella infection in fattening calves after slaughter. Edel W, et al.
Zentralbl Veterinaermed [B] 17:479-84, Apr 70

Salmonella in mesenteric and portal lymph nodes and faeces from normal slaughter-pigs. Edel W, et al.
Zentralbl Veterinaermed [B] 17:875-9, Sep 70

[Isolation of Salmonella lille in France and in the world] Catsaras M, et al.
Ann Inst Pasteur Lille 20:155-8, 1969 (Fre)

[On phage-bacteria relationships in Salmonella anatum. I. Observations on the isolation and characteristics of certain anti-S. anatum phages] Perianu M.
Arch Roum Pathol Exp Microbiol 28:1014-9, Dec 69 (Fre)

[Salmonellosis in hens due to Salmonella pikine] Sagna F, et al.
Rev Elev Med Vet Pays Trop 22:335-6, 1969 (Fre)

[Demonstrability of Salmonella cholerae suis in waste water and river water] Keil R.
Arch Exp Veterinaermed 24:1365-76, 1970 (Ger)

[Detection of Salmonella in effluent from abattoirs and pigsties] Tomescu V, et al.
Arch Exp Veterinaermed 24:187-96, 1970 (Ger)

[Occurrence of Salmonellae in captive wild animals. 2. Occurrence in reptiles] Schröder HD.
Monatsh Vet Med 25:547-50, 15 Jul 70 (Ger)

[Spread of Salmonella among captive wild animals. 1. Occurrence in mammals and birds] Schröder HD.
Monatsh Vet Med 25:341-6, 1 May 70 (Ger)

[Bacterial water contamination with special emphasis on salmonellae] Kohl W.
Wien Tieraerztl Monatsschr 57:28-33, Jan 70 (Ger)

[The dissemination of salmonella through utilization of waste water in agriculture] Biesold I, et al.
Z Gesamte Hyg 16:609-13, Aug 70 (Ger)

[Discovery of a new Salmonella species "S. ascherleben" with the antigen formula 30:b:1,5] Kiesewalter J, et al.
Z Gesamte Hyg 16:810, Oct 70 (Ger)

[Clinical and bacteriological characteristics of salmonellosis caused by Salmonella java] Breitenfeld V, et al.
Zentralbl Bakteriol [Orig] 204:89-99, 1967 (Ger)

[Acute gastroenteritis caused by Salmonella abony. Report on food poisoning in summer 1968 in a school in Bologna] Brunelli MA, et al.
Zentralbl Bakteriol [Orig] 214:285-8, 1970 (Ger)

[The diagnosis of salmonellosis in chicken using enrichment media incubated at 43 degrees C] Geissler H, et al.
Zentralbl Bakteriol [Orig] 214:367-15, 1970 (Ger)

[Rare serotypes of Salmonella in animal feed] Paini A, et al. Ig Mod 63:395-9, 1970 (Ita)

[Incidence of the causative agents of Salmonella and Shigella infections in the Province of Novara during 1964-1968] Cominazzini C, et al.
Minerva Pediatr 21:786-8, 5 May 69 (Ita)

[Salmonella bacteria in some species of animals in Poland] Buczowski Z, et al.
Przegl Epidemiol 24:293-304, 1970 (Pol)

[Serological types and clinical forms in salmonella food toxinfections] Vasilescu I, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:159-65, Mar-Apr 71 (Rum)

[The detection of Salmonella in meat industry] Rodríguez-Rebollo M.
Med Trop (Madr) 46:281-7, Jan-Dec 70 (Spa)

[Salmonellas isolated from the intestines of goats in the environs of Mexico City] Varela G, et al.
Rev Invest Salud Publica 30:237-41, Jul-Sep 70 (Spa)

[New serotypes of Salmonella isolated in Lvov] Kalitseva LI, et al.
Mikrobiol Zh 32:644-5, Sep-Oct 70 (Ukr)

METABOLISM

Production of acetoin and diacetyl by the genus Salmonella. Garibaldi JA, et al.
Appl Microbiol 20:855-6, Dec 70

Biosynthesis of Salmonella lipopolysaccharide. Studies on the transfer of glucose, galactose, and phosphate to the core in a cell free system. Mühlradt PF.
Eur J Biochem 18:20-7, 1 Jan 71

Symposium on microbial changes in foods. Factors affecting the production of bacterial food poisoning toxins. Baird-Parker AC.
J Appl Bacteriol 34:181-97, Mar 71

Glucosylation of lipopolysaccharide in Salmonella: biosynthesis of O antigen factor 12 2 . I. Over-all reaction. Nikaido H, et al.
J Biol Chem 246:3902-11, 25 Jun 71

Glucosylation of lipopolysaccharide in Salmonella: biosynthesis nof O antigen factor n12 2 . II. Structure of the lipid intermediate. Nikaido K, et al.
J Biol Chem 246:3912-9, 25 Jun 71

A new gene cluster rfe concerned with the biosynthesis of Salmonella lipopolysaccharide. Mäkelä PH, et al.
J Gen Microbiol 60:91-106, Jan 70

Preliminary studies of some biochemical properties of enteric and genital isolates of Salmonella dublin and a possible correlation with reduced virulence. Walton JR, et al. Vet Rec 89:112-3, 24 Jul 71

[Oxygen consumption and dehydrogenase activity of variants of Salmonella cholerae suis and Salmonella dublin under different conditions of virulence]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Kaloyanov I, et al.
Dokl Bolg Akad Nauk 22:189-92, 1969 (Fre)
[Enzymatic liberation of long-chain fatty acids from bacterial lipopolysaccharides with the aid of extracts from amoebae of Dictyostelium discoideum] Nigam VN, et al.
Hoppe Seylers Z Physiol Chem 351:1123-32, Sep 70 (Ger)
[Detection of colicinogenia in the co-members of natural intestinal biocenoses] Kokhanovskaia TM.
Antibiotiki 16:130-3, Feb 71 (Rus)

PATHOGENICITY

Relationship of the frequency of isolation of Salmonellae to their resistance to drying and freezing. Enkiri NK, et al. Appl Microbiol 21:381-2, Feb 71
Salmonella pathogenesis in germ-free mice. A bacteriological and histological study. Ruitenberg EJ, et al. Br J Exp Pathol 52:192-7, Apr 71
Translocation and fate of 32P-labeled salmonella in mice. Hawbecker DE, et al.
Proc Soc Exp Biol Med 135:546-52, Nov 70
Preliminary studies of some biochemical properties of enteric and genital isolates of Salmonella dublin and a possible correlation with reduced virulence. Walton JR, et al. Vet Rec 89:112-3, 24 Jul 71
[Studies on the multiplication capacity of variants of Salmonella cholerae suis and Salmonella dublin under different conditions of virulence] Kaloyanov I, et al.
Dokl Bolg Akad Nauk 22:185-8, 1969 (Fre)
[Comparative lethality, for mice, of soluble endotoxins isolated from 25 species of Enterobacteriaceae] Barber C, et al.
Rev Immunol (Paris) 35:33-42, Jan-Mar 71 (Fre)
[Observations and studies on the infectivity of Salmonella enteritidis var. danysz] Nelli A, et al.
Ig Mod 63:57-66, 1970 (Ita)

PHYSIOLOGY

Comparison of the rates of motility of salmonella with those of other enteric bacteria. Greenfield J, et al.
Appl Microbiol 21:240-3, Feb 71
Comparison of the rates of motility of Salmonella with those of other enteric bacteria. Greenfield J, et al.
Appl Microbiol 21:240-3, Feb 71

RADIATION EFFECTS

Effects of radiation pasteurization on Samonella. 3. Radiation lethality and the frequency of mutation to antibiotic resistance. Previte JJ, et al.
Can J Microbiol 17:385-9, Mar 71
Effects of radiation pasteurization on Salmonella. II. Influence of repeated radiation-growth cycles on virulence and resistance to radiation and antibiotics. Previte JJ, et al. Can J Microbiol 17:105-10, Jan 71

SALMONELLA FOOD POISONING (C1, C4, C14)

[Technical and juridical-administrative considerations on an outbreak of food poisoning caused by ingestion of sausages made of horse meat] D'Esposito L.
Acta Med Vet (Napoli) 15:375-84, Sep-Oct 69 (Ita)
[Salmonella epidemic in Gothenburg. 3. Clinical aspects] Franzén C.
Lakartidningen 67:5541-5, 18 Nov 70 (Swe)
[Salmonella epidemic in Gothenburg. 2. Food hygiene analysis] Moberg K.
Lakartidningen 67:5539-40, 18 Nov 70 (Swe)
[Significance of shells in the spreading of intestinal infections, especially salmonelloses] Maretić Z, et al.
Lijec Vjesn 92:555-62, 1970 (Cro)

DIAGNOSIS

[Diagnosis and differential diagnosis of acute intestinal infectious diseases (food poisoning, cholera, dysentery)] Bunin KV.
Klin Med (Mosk) 49:6-13, Apr 71 (Rus)
[Use of cysteine in the determination of 7S-antibody in the serum in Salmonella food poisoning] Kalashnikova GK, et al. Lab Delo 10:628-30, 1970 (Rus)

DRUG THERAPY

Treatment of Salmonella enteritis and its effect on the carrier state. Smith ER, et al.
Can Med Assoc J 104:1004-6, 5 Jun 71

ETIOLOGY

Severe salmonella gastroenteritis associated with hypochlorhydria. Gray JA, et al.
Scott Med J 16:255-8, May 71
[Acute gastroenteritis caused by Salmonella abony. Report on food poisoning in summer 1968 in a school in Bologna] Brunelli MA, et al.
Zentralbl Bakteriol [Orig] 214:285-8, 1970 (Ger)
[An outbreak of food toxinfection caused by S. dublin] Kovaleva TA.
Zh Mikrobiol Epidemiol Immunobiol 47:131-3, Feb 70 (Rus)

IMMUNOLOGY

[Dynamics of immunologic indices in the process of formation of carrier state in salmonellosis] Bunin KV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:46-52, Oct 70 (Rus)

MICROBIOLOGY

[Serological types and clinical forms in salmonella food toxinfections] Vasilescu I, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:159-65, Mar-Apr 71 (Rum)

OCCURRENCE

[The terrible artificial cow] Zanen HC, et al.
Ned Tijdschr Geneeskd 115:429, 6 Mar 71 (Dut)
[Don't we overestimate the salmonellas?] Rische H, et al. Dtsch Gesundheitsw 26:416-8, 25 Feb 71 (Ger)
[Epidemic disease caused by S. typhimurium in the Lingen county (Ems) during summer 1965] Riesen W, et al. Oeff Gesundheitswes 31:15-22, Jan 69 (Ger)
[Enteritis-Gaertner mass occurrence, Sep.-Oct. 1967 in Muenster city]
Oeff Gesundheitswes 31:40-2, Jan 69 (Ger)
[An outbreak of Salmonella java food poisoning] Puglisi C, et al. Ig Mod 62:108-20, 1969 (Ita)
[Christmas foods contaminated with Salmonella heidelberg] Gelosa L.
Riv Ital Ig 29:110-7, Jan-Apr 70 (Ita)
[Food poisoning in the Province of Cáceres] Muñoz Cosin F, et al.
Med Trop (Madr) 46:177-84, Jan-Dec 70 (Spa)
[Salmonella epidemic in the schools of Gothenburg in 1969] Mollstedt B.
Lakartidningen 67:5537-8, 18 Nov 70 (Swe)

PHYSIOPATHOLOGY

[Renal function in patients with acute form of salmonella food poisoning] Bukhantsova OS.
Ter Arkh 42:106-9, Jun 70 (Rus)

PREVENTION & CONTROL

Thermal inactivation of Salmonella senftenberg 775W in poultry meat. Milone NA, et al.
Health Lab Sci 7:199-225, Oct 70
The control of samonellae affecting swine and man. Newell KW, et al.
J Am Vet Med Assoc 158:89-98, 1 Jan 71 (51 ref.)
Sewer and drain swabbing as a means of investigating salmonellosis. Harvey RW, et al.
J Hyg (Camb) 68:611-24, Dec 70
Careful food handling: a must.
J Iowa Med Soc 60:771-2, Nov 70
Detection of salmonella contaminated eggs. Greenfield J, et al. Poult Sci 50:652-3, Mar 71
[Results, effects and social hygiene consequences of directives of the federal law on communicable diseases for the food-processing industry] Bader RE.
Arch Hyg Bakteriol 154:419-35, Apr 71 (Ger)
[Salmonelloses (enteritis infectiosa)--still a problem of epidemiology and legislation] Kröger E.
Oeff Gesundheitswes 33:278-85, May 71 (Ger)

URINE

[Excretion of 17-ketosteroids and 17-oxycorticosteroids in patients with salmonella food poisoning (salmonellosis)] Pushkina VM.
Ter Arkh 42:104-6, Jun 70 (Rus)

SALMONELLA HIRSCHFELDII see under

SALMONELLA PARATYPHI (B3)

SALMONELLA INFECTIONS (C1)

Salmonella-contaminated carmine dye. Another example of in-plant contamination during processing. Lang DJ, et al. Am J Public Health 61:1615-9, Aug 71
Persistent Salmonella infection in a female carrier for chronic granulomatous disease. Moellering RC Jr, et al. Ann Intern Med 73:595-601, Oct 70
Pancreatitis with salmonella gastroenteritis. Scheri ND, et al. J Med Soc NJ 66:129-30, Feb 71
Salmonella anatum meningitis in the adult. Tudor V, et al. Rom Med Rev 15:15-7, Jan-Mar 71
[A patient with Salmonella cerro in the Netherlands] Petro JK.
Ned Tijdschr Geneeskd 115:234, 6 Feb 71 (Dut)
[On phage-bacteria relationships in Salmonella anatum. I. Observations on the isolation and characteristics of certain anti-S. anatum phages] Perianu M.
Arch Roum Pathol Exp Microbiol 28:1014-9, Dec 69 (Fre)
[Salmonella spondylodiscitis (apropos of a personal case)] Kempf F, et al.
J Radiol Electrol Med Nucl 52:271-4, May 71 (Fre)
[Extradigestive manifestations of salmonellosis] Bertrand JL, et al.
Lyon Med 225:Suppl:39-47, 1971 (Fre)
[Salmonella infections. Review of 18 unusual localizations] Aisoui A, et al.
Maroc Med 50:742-4, Dec 70 (Fre)
[2 cases of neonatal meningitis caused by "Salmonella panama"] Coignet J, et al.
Mars Med 108:63-6, 1971 (Fre)
[Salmonella osteomyelitis and sickle cell anemia. Apropos of 9 cases] Bourrel P, et al.
Med Trop (Mars) 30:785-92, Nov-Dec 70 (Fre)
[124 cases of Salmonella panama infections in infants] Raffi A, et al. Pediatrie 25:721-33, Oct-Nov 70 (Fre)
[Parathyphoid osteitis caused by Salmonella cholerae suis Kunzendorf] Dosen M, et al.
Rev Chir Orthop 57:Suppl 1:269+, 1971 (Fre)
[Symposium: typhus and Salmonella infections] Shinokawa I, et al.
J Jap Assoc Infect Dis 44:352-6, Sep 70 (Jap)
[Preliminary reports on the spread of infections caused by Salmonella enteritidis] Rodkiewicz T.
Przegl Lek 26:594-6, 1970 (Pol)
[Salmonellosis in infants treated at the Department of Infectious Diseases in Cracow-Nowa Huta] Zorska A.
Przegl Lek 28:394-6, 1971 (Pol)
[Reactivity of human and animal organisms in the course of clinical and experimental salmonellosis] Prokopowicz D.
Rocz Akad Med Bialymstoku 15:93-157, 1970 (Pol)
[Salmonella hepatitis] Mudrić V, et al.
Med Pregl 22:555-9, 1969 (Ser)

COMPLICATIONS

The intestine and rheumatism. Olhagen B.
Acta Rheumatol Scand 16:177-83, 1970
Arthritis associated with Salmonella infections. Warren CP.
Ann Rheum Dis 29:483-7, Sep 70
Superinfection of an amoebic abscess by Salmonella enteritidis. Marr JJ, et al.
Arch Intern Med 128:291-4, Aug 71
Prolonged Salmonella bacteremia in patients with Schistosoma mansoni infection. Rocha H, et al.
Arch Intern Med 128:254-7, Aug 71
Prolonged septicaemic salmonellosis intercurrent with Schistosomiasis mansoni (intestinal polyposis, hepatic and cardiopulmonary forms) Chagas' disease, cerebral cysticercosis, taeniasis, shigellosis, ancylostomiasis, ascariasis and chronic malnutrition. Clinopathologic discussion. Neves J, et al.
J Trop Med Hyg 74:9-18, Jan 71
Salmonellosis and schistosomiasis of urinary tract. Lehman JS Jr, et al. N Engl J Med 283:1291, 3 Dec 70
[Pulmonary abscess due to salmonella: 2 cases] Lambotte C, et al.
Ann Soc Belg Med Trop 50:197-203, 1970 (Fre)
[Bacteremic shock caused by Escherichia coli during salmonellosis. Prior gastric resection] Maldacea F, et al. Policlinico [Prat] 76:555-8, 28 Apr 69 (Ita)
[Lung abscess caused by Salmonella typhi] Czarnecki L, et al. Wiad Lek 24:1073-7, 15 Jun 71 (Pol)
[On the pathogenesis of some clinical aspects of grave intestinal infections in infants] Minculescu M, et al.
Rev Med Chir Soc Med Nat Iasi 74:597-603, Jul-Sep 70 (Rum)
[Clinical aspects of the late sequelae of salmonellosis] Primachenko NB. Ter Arkh 42:87-91, Nov 70 (Rus)
[Lymphoma and salmonellosis] Toledo-Pereyra LH, et al. Rev Invest Clin 22:305-9, Jul-Sep 70 (Spa)

DIAGNOSIS

A rapid quantitative microtitration of salmonella antibody. Sato H, et al.
Am J Clin Pathol 55:729-32, Jun 71
Accuracy of diagnosis of bacterial diarrheal disease by clinical features. Nelson JD, et al.
J Pediatr 78:519-22, Mar 71
Diagnostic specificity of Widal's reaction for typhoid fever. Reynolds DW, et al. JAMA 214:2192-3, 21 Dec 70
[Lysotyping of Salmonella typhimurium. Stydy of strains from hospital epidemics] Dragaš Z.
Arch Roum Pathol Exp Microbiol 28:991-6, Dec 69 (Fre)
[Manifestations of lysosensitivity among strains of Salmonella panama] Nestoresco N, et al.
Arch Roum Pathol Exp Microbiol 28:997-1003, Dec 69 (Fre)
[Serologic diagnosis of salmonellosis and the antigenic bonds in reactions with erythrocyte and bacterial O-diagnosticums] Subbotina IuL, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:19-24, Mar 70 (Rus)
[Etiological structure of acute intestinal infections in adults] Tarasov VI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:89-94, Oct 70 (Rus)

DRUG THERAPY

A consideration of special problems in infections of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

newborns and small children. Hoffpauir CW, et al. Ann NY Acad Sci 145:398-401, 27 Sep 67
Evaluation of trimethoprim-sulphamethoxazole compound in treatment of salmonella infections. Geddes AM, et al. Br Med J 3:451-4, Aug 71
Osteomyelitis in the patient with sickle-cell disease. Engh CA, et al. J Bone Joint Surg [Am] 53:1-15, Jan 71
Antimicrobial therapy of salmonella infections. Hook EW. J Egypt Public Health Assoc 45:206-17, 1970
Effect of neomycin in non-invasive salmonella infections of the gastrointestinal tract. Joint Project by Members of the Asociation for the Study of Infectious Disease. Lancet 2:1159-61, 5 Dec 70
Treatment of chronic urinary salmonella carriers. Bassily S, et al. Trans R Soc Trop Med Hyg 64:723-9, 1970
[The effect of biosynthesis and semi-synthetic penicillin in Salmonella infections in infancy and pre-school children] Steiniger U, et al. Kinderaerztl Prax 37:41-4, Jan 69 (Ger)
[Clinical experience with potassium benacillin 9versapen 'Bristol') against dysentery, dysentery-like salmonellosis] Tsunoda O, et al. Jap J Antibiot 23:390-5, Aug 70 (Jap)
[Effect of prodigiozan and its combination with levomycetin, ampicillin on the course of experimental Salmonella carrier state] Elfimova VZ. Antibiotiki 15:1002-5, Nov 70 (Rus)
[Clinical test of the combination trimethoprime-sulphamethoxazol in pediatrics] Banzas TM, et al. Prensa Med Argent 57:1202-8, 14 Aug 70 (Spa)
[Cephalexin monohydrate in the treatment of bone and soft tissue infections] Hernandez B, et al. Prensa Med Mex 32-5, Sep-Oct 70 (Spa)
[Abactrim in salmonellosis] Quintanilla Ulla J. Rev Clin Esp 119:149-52, 31 Dec 70 (Spa)

ETIOLOGY

Persistent urinary tract infection with Salmonella typhimurium after renal cadaveric transplantation. Ringoir S, et al. Acta Clin Belg 24:251-3, 1969
Chronic Salmonella bacteriuria complicating lymphosarcoma. Han T, et al. Am J Clin Pathol 54:837-8, Dec 70
Salmonella osteomyelitis of both hands and the hand-foot syndrome. Constant E, et al. Arch Surg 102:148-51, Feb 71
Salmonella cubana and carmine dye. Rowe B, et al. Br Med J 2:401, 15 May 71
Presumed transmission of salmonella by sigmoidoscope. Pearson HE, et al. Calif Med 112:23-5, Feb 70
Salmonella typhimurium strain LT-2 is still pathogenic for man. Baumberg S, et al. J Gen Microbiol 65:99-100, Jan 71
Lizards as vectors of human salmonellosis. Hamel FA de, et al. J Hyg (Camb) 69:247-53, Jun 71
[Fistulization of an aneurysm of the abdominal aorta into the 3rd portion of the duodenum associated with Salmonella typhimurium septicemia] Deschreyer M, et al. Acta Chir Belg 68:21-30, Jan 69 (Fre)
[Observations on the etiology and clinico-therapeutic aspects of salmonellosis in children] Bruckner S, et al. Arch Roum Pathol Exp Microbiol 28:577-85, Jun-Sep 69 (Fre)
[Salmonella-infected cage-birds as a potential source of human infections] Lüthgen W. Arch Hyg Bakteriol 154:167-70, Oct 70 (Ger)
[Significance of the sheep as a salmonella carrier in Middle Anatolia (Turkey)] Weise E, et al. Berl Munch Tieraerztl Wochenschr 83:186-9, 15 May 70 (Ger)
[A parrot as the source of a human salmonella infection] Lüthgen W, et al. Z Allgemeinmed 46:1501-4, 31 Oct 70 (Ger)
[The dissemination of salmonella through utilization of waste water in agriculture] Biesold I, et al. Z Gesamte Hyg 16:609-13, Aug 70 (Ger)
[Clinical and bacteriological characteristics of salmonellosis caused by Salmonella java] Breitenfeld V, et al. Zentralbl Bakteriol [Orig] 204:89-99, 1967 (Ger)

HISTORY

Salmonella infections. In Osler's day and ours. Pinnas JL, et al. NY State J Med 71:654-6, 15 Mar 71

IMMUNOLOGY

Effects of Friend leukemia virus on the immune response of mice to bacterial antigens. Flickinger JT, et al. Can J Microbiol 16:741-5, Aug 70
Experimental salmonellosis: differential passive transfer of immunity with serum and cells obtained from ribosomal and ribonucleic acid-immunized mice. Venneman MR, et al. J Reticuloendothel Soc 9:491-502, May 71
Vi agglutinins in Salmonella infections. Schroeder SA. JAMA 216:519, 19 Apr 71
Reagins from orally immunized animals. I. Nature and protection effect. Levanon Y, et al. Progr Immunobiol Stand 4:347-51, 1970
Mechanisms of oral immunization with inactivated microorganisms. Raettig H. Progr Immunobiol Stand 4:337-46, 1970
[Discussion contribution on the paper by Jeřek P. Hloubal V. Latová Z: Salmonella meningitis in the adult] Plachý V, et al. Cas Lek Cesk 109:1019-20, Sep 70 (Cze)
[Bacteriolysins and their relation to passive immunity in mice using a model of S. typhimurium natural infection] Stanislavskiĭ ES, et al. Zh Mikrobiol Epidemiol Immunobiol 47:117-21, Oct 70 (Rus)
[The effect of ultra-high frequency radiation of different intensity on the courseof Salmonella infections in white mice] Sviridov LP. Zh Mikrobiol Epidemiol Immunobiol 47:10-4, Mar 70 (Rus)

MICROBIOLOGY

Nonenteric salmonella infections. Fuchs PC. Am J Clin Pathol 54:428, Sep 70
The problems of drug-resistant pathogenic bacteria. Experimental and clinical aspects of resistance determinants. Observations on the in vivo transfer of R factors. Smith HW. Ann NY Acad Sci 182:80-90, 11 Jun 71
Persistence of ampicillin-sensitive Salmonella thompsoni due to fecal penicillinase. Mandell GL, et al. Arch Intern Med 127:137-8, Jan 71
Multiple drug resistance in salmonella group G serotypes associated with a high incidence of human infections. Okubadejo OA, et al. J Trop Med Hyg 74:167-71, Aug 71
Salmonella typhi spondylitis: an unusual presentation. Schweitzer G, et al. S Afr Med J 45:126-8, 30 Jan 71
[A patient with Salmonella cerro in the Netherlands] Petro JK. Ned Tijdschr Geneeskd 115:234, 6 Feb 71 (Dut)
[Four new serotypes of Salmonella isolated in France] Le Minor L, et al. Ann Inst Pasteur (Paris) 120:169-71, Feb 71 (Fre)
[Septicemia due to Salmonella brandenburg] Lamisse F, et al. Cah Med 12:391-3, 15 Apr 71 (Fre)
[Salmonella species in Cameroon. Contribution to the sutdy of Salmonella species isolated in the Yaounde region] Malesieux G. Med Trop (Mars) 29:523-30, Jul-Aug 69 (Fre)
[Intestinal infection by Salmonella typhimurium in infants and in vitro sensitivity of this pathological bacterium to 7 antibiotics] Prado V, et al. Rev Chil Pediatr 42:91-6, Feb 71 (Spa)

MORTALITY

[Effect of prodigiozan and its combination with levomycetin, ampicillin on the course of experimental Salmonella carrier state] Elfimova VZ. Antibiotiki 15:1002-5, Nov 70 (Rus)

OCCURRENCE

A waterborne epidemic of salmonellosis in Riverside, California, 1965. Epidemiologic aspects. A collaborative report. Am J Epidemiol 93:33-48, Jan 71
Urban salmonellosis. Aaron E, et al. Am J Public Health 61:337-43, Feb 71
Arizona isolations in Israel (1957-1969). Sechter I, et al. Ann Inst Pasteur (Paris) 119:323-8, Sep 70
Salmonella pattern in India--II. Nath ML, et al. Indian J Med Res 58:1563-8, Nov 70
Pyogenic meningitis caused by Salmonella cholerae-suis var. Kunzendorf. Prakash K, et al. Indian J Med Res 58:158-60, Feb 70
Salmonella senftenberg in the Sunderland area. Sanford DA, et al. J Hyg (Camb) 67:75-9, Mar 69
Salmonellosis in general practice. Observations of cases and their household in Enfield. Thomas ME, et al. J Hyg (Camb) 68:863-71, Dec 70
An epidemiologic study of reported salmonellosis in Oklahoma, 1960-1968. Martin HL, et al. J Okla State Med Assoc 63:287-91, Jul 70
A protracted hospital-associated outbreak of salmonellosis due to a multiple-antibiotic-resistant strain of Salmonella indiana. Adler JL, et al. J Pediatr 77:970-5, Dec 70
Multiple drug resistance in salmonella group G serotypes associated with a high incidence of human infections. Okubadejo OA, et al. J Trop Med Hyg 74:167-71, Aug 71
Spread of salmonellas. Lancet 1:744-5, 10 Apr 71
The importance of house lizards (Geckonidae) for the epidemiology of salmonellosis in South East Asia. Bockemühl J, et al. Z Tropenmed Parasitol 21:307-12, Sep 70
Infections produced by S. panama. Nestorescu N, et al. Zentralbl Bakteriol [Orig] 214:86-90, 1970
[Salmonella bacteria in humans during the 2d quarter of 1970] Polak MF, et al. Ned Tijdschr Geneeskd 114:2021-3, 28 Nov 70 (Dut)
[Epidemiology of Salmonellosis in Kinshasa: role of healthy carriers and foodstuffs] Krubwa F, et al. Ann Soc Belg Med Trop 50:319-37, 1970 (Fre)
[Methodological study of a new epidemiological approach to Salmonella infections in France] Martin-Bouyer G, et al. Bull Inst Natl Sante Rech Med 25:131-53, Jan-Feb 70 (Fre)
[Salmonellosis in Senegal. Importance of anthropophile rapacious birds in the Cape Vert area as a reservoir of Salmonella] Chambron J, et al. Rev Elev Med Vet Pays Trop 24:9-18, 1971 (Fre)
[District medical orientation on Salmonella problems] Baumann H. Praxis 59:1392-4, 6 Oct 70 (Ger)
[Salmonelloses in a psychiatric clinic. A 2 year study] Pagon S, et al. Schweiz Med Wochenschr 101:115-23, 30 Jan 71 (Ger)
[Incidence of the causative agents of Salmonella and Shigella infections in the Province of Novara during 1964-1968] Cominazzini C, et al. Minerva Pediatr 21:766-8, 5 May 69 (Ita)
[Etiological structure of acute intestinal disturbances in young children] Altantséts ég Zh. Zh Mikrobiol Epidemiol Immunobiol 47:25-7, Jul 70 (Rus)
[The epidemiology of salmonellosis in Minsk] Lebedev NI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:131, Jun 70 (Rus)
[Role of animals and birds as sources of Salmonella infections in man (literature review)] Nikitiuk NM. Zh Mikrobiol Epidemiol Immunobiol 47:123-30, Oct 70 (95 ref.) (Rus)
[Current problems in the epidemiology of dysentery, salmonelloses and viral hepatitis] Birtašević B. Vojnosanit Pregl 28:145-8, Mar 71 (Cro)

PATHOLOGY

The pathology of salmonelloses--a review. Smith JH. J Egypt Public Health Assoc 45:28-38, 1970
[2 fatal cases of enteritis by Salmonella infantis] Rossi G. Minerva Pediatr 21:757-61, 5 May 69 (Ita)
[Electron microscope obervations of the relations between Salmonella and cells of the organism (lung model)] Ariél BM, et al. Arkh Patol 32:17-21, 1970 (Rus)

PHYSIOPATHOLOGY

Experimental diarrhea. I. Intestinal water and electrolyte transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1053-64, Jun 71
Experimental diarrhea. 3. Bicarbonate transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1076-86, Jun 71
Experimental diarrhea. II. Glucose-stimulated sodium and water transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1065-75, Jun 71

PREVENTION & CONTROL

Round table discussion on public health control--critique for future research. J Egypt Public Health Assoc 45:218-35, 1970
Sewer and drain swabbing as a means of investigating salmonellosis. Harvey RW, et al. J Hyg (Camb) 68:611-24, Dec 70
Status of the State-Federal Salmonella Program. Wilson ST Jr, et al. Proc US Anim Health Assoc 73:33-45, 1969
[Prevention and treatment of intestinal infections in subtropical countries] Marget W. Med Klin 65:1267-8, 26 Jun 70 (Ger)
[Current possibilities of prevention of human salmonellosis] Dobre V. Rev Med Chir Soc Med Nat Iasi 75:277-84, Apr-Jun 71 (Rum)
[An immunologic study of the O-antigens of streptomycin dependent mutants of salmonellae] Edvabnaia LS, et al. Zh Mikrobiol Epidemiol Immunobiol 47:47-51, Dec 70 (Rus)
[The effect of guanine on the in vivo multiplication of guanine-dependent S. typhimurium and the intensity of sterile immunity in mice] Tkachenko VN. Zh Mikrobiol Epidemiol Immunobiol 46:80-6, Oct 69 (Rus)
[An increase in anti-infectious resistance in mice by using heterologous RNA] Zemskov VM. Zh Mikrobiol Epidemiol Immunobiol 47:33-7, Feb 70 (Rus)

THERAPY

[Studies of subtilis therapy] Karasek E. Zentralbl Bakteriol [Orig] 204:138-54, 1967 (Ger)
[Effect of insolation regime on the course of experimental diseases in animals] Prokopenko IuI. Gig Sanit 36:27-31, 1971 (Rus)

VETERINARY

Salmonella dublin as a cause of diarrhea and abortion in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ewes. Meinershagen WA, et al.
Am J Vet Res 31:1769-71, Oct 70

SALMONELLA INFECTIONS, ANIMAL

(C1, C15)

Salmonellosis. Edwards PR, et al.
Adv Vet Sci Comp Med 11:1-63, 1967 (342 ref.)
Salmonella isolated from swine suspected fo having hog cholera. Harrington R Jr, et al.
Am J Vet Res 32:1297-9, Aug 71
Salmonella kaapstad in lizards. Nabbut NH.
Am J Vet Res 31:1769-11, Sep 70
Dynamics of salmonella infection in fryer roaster turkeys. Kumar MC, et al.
Avian Dis 15:221-32, Apr-Jun 71
Salmonellosis in the horse. Baker JR.
Br Vet J 126:100-5, Feb 70
Public health significance of salmonella infections in laboratory animals. Ray JP, et al.
Indian Vet J 47:1033-7, Dec 70
A short note on salmonellosis in laboratory animals. Somasundararao G, et al. Indian Vet J 48:336-7, Apr 71
Maternal diet in rats and response of offspring to post-weaning infection.
Nutr Rev 29:147-50, Jun 71 (5 ref.)
Salmonella infection: diagnosis and control. Robinson RA. NZ Vet J 18:259-77, Dec 70 (166 ref.)
Salmonellosis in sheep wintered outdoors on straw and sawdust pads. Tannock GW, et al.
NZ Vet J 19:29-32, Mar 71
A Salmonella carrier state of sheep following intranasal inoculation. Tannock GW, et al.
Res Vet Sci 12:371-3, Jul 71
An outbreak of salmonellosis in sheep. Baker JR, et al. Vet Rec 88:270-7, 13 Mar 71
Salmonella indiana infection in a single suckling beef herd. Plenderleith RW. Vet Rec 87:617-9, 14 Nov 70
Experimental salmonellosis in sheep. White G, et al. Vet Rec 88:371, 3 Apr 71
[Minimal lethal doses depending on the entry of the infection] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:105-10, 1969 (Bul)
[Seven new serotypes of Salmonella isolated in the Senegal] Le Minor S, et al.
Ann Inst Pasteur (Paris) 120:164-8, Feb 71 (Fre)
[Salmonellosis in hens due to Salmonella pikine] Sagna F, et al.
Rev Elev Med Vet Pays Trop 22:335-6, 1969 (Fre)
[Salmonellosis in songbirds] Müller H.
Monatsh Vet Med 25:346-8, 1 May 70 (Ger)
[Observations and studies on the infectivity of Salmonella enteritidis var. danysz] Nelli A, et al.
Ig Mod 63:57-66, 1970 (Ita)
[Roentgenological study of the concentrating function of the gallbladder in experimental Salmonella cholecystitis] Kondratenko GP, et al.
Vestn Rentgenol Radiol 45:88-90, May-Jun 70 (Rus)

BLOOD

Haematological changes in acute experimental Salmonella gallinarum infection in chickens. Assoku RK, et al. J Comp Pathol 80:473-85, Jul 70

COMPLICATIONS

S. dublin abortion in sheep. Gitter M, et al.
Vet Rec 87:775-8, 19 Dec 70
[Salmonella-typhimurium-infection as a complication of internal horse diseases] Pick M.
Dtsch Tieraerztl Wochenschr 77:183-8, 15 Apr 70 (Ger)

DIAGNOSIS

Serological diagnosis of pullorum disease with the microagglutination system. Williams JE, et al.
Appl Microbiol 21:394-9, Mar 71
An approach to identifying and maintaining salmonella-free chickens. Snoeyenbos GH.
Avian Dis 15:28-31, Jan-Mar 71
Microtitration of Salmonella pullorum agglutinins. Thaxton P, et al. Avian Dis 14:813-6, Nov 70
Salmonella dublin abortion in cattle: preliminary observations on the serological response. Hinton M. Vet Rec 88:481, 1 May 71
[The diagnosis of salmonellosis in chicken using enrichment media incubated at 43 degrees C] Geissler H, et al.
Zentralbl Bakteriol [Orig] 214:207-15, 1970 (Ger)
[The latent salmonella infection in experimental animals] Potel J.
Zentralbl Bakteriol [Orig] 203:292-5, 1967 (Ger)

DRUG THERAPY

Antimicrobial activity of 3-substituted 5-amino-1,2,4-oxadiazoles. Gadebusch HH, et al.
Antimicrob Agents Chemother 9:280-3, 1969
Sulphonamide resistance of salmonellae isolated from farm and other animals. Slavin G.
Br Vet J 126:297-301, Jun 70
Salmonella typhimurium infection in mice treated with niridazole. Watson KC.
J Med Microbiol 3:361-5, Aug 70
[Control of Salmonella typhimurium infection in calves] Dingeldein W, et al.
Dtsch Tieraerztl Wochenschr 78:184-7, 15 Mar 71 (Ger)
[Salmonella typhimurium infection in a herd of cows] Haase H. Monatsh Vet Med 25:752-6, 1 Oct 70 (Ger)
[Dosage and method of action of bactericidal drugs in relation to the "low resistance period" in animal experiment] Sackmann W.
Pathol Microbiol (Basel) 36:284, 1970 (Ger)
[The influence of dimethylsulfoxide upon experimental intraperitoneal infection of the mouse with Salmonella typhimurium] Klein HJ, et al.
Zentralbl Bakteriol [Orig] 216:483-6, 1971 (Ger)
[In vivo isolation of L forms after penicillin treatment of experimentally infected mice] Aktan M, et al.
Turk Hij Tecr Biyol Derg 30:101-9, 1970 (Tur)

ENZYMOLOGY

Gut lactase activity: decrease during Salmonella typhimurium infection in mice. Broitman SA.
Proc Soc Exp Biol Med 136:1097-9, Apr 71

ETIOLOGY

Infected feeding-stuffs. Br Med J 4:67-8, 10 Oct 70
Multiplication of Salmonella in liquid feed and its influence on the duration of excretion in pigs. Linton AH, et al. Res Vet Sci 11:452-7, Sep 70
The distribution of various types of Salmonellae and Arizonas in reptiles. Zwart P, et al.
Zentralbl Bakteriol [Orig] 213:201-12, 1970
[Transmission of the causative agent of avian pullorosis-typhus by Persian ticks] Glukhov VF.
Veterinariia 9:60-1, Sep 70 (Rus)

IMMUNOLOGY

An immunological basis for the anaemia of acute Salmonella gallinarum infection of chicken. I. Haematological changes and their association with in vivo modification of the erythrocytes. Assoku R, et al.
Clin Exp Immunol 7:865-74, Dec 70
An immunological basis for the anaemia of acute Salmonella gallinarum infection of chicken. II. The relationship of the immune response to the development of the haemolytic anaemia. Assoku R, et al. Clin Exp Immunol 7:875-83, Dec 70
Studies on cellular immunity to Salmonella typhi in vitro. Kamzolkina NB, et al.
Folia Microbiol (Praha) 16:65-73, 1971
Transfer agent of immunity. VI. Serial passive transfers of cellular immunity to Salmonella infection ribonucleic acid. Saito K, et al.
Jap J Microbiol 15:159-68, Mar 71
The immunopathology in fowls (Gallus domesticus) of acute and subacute Salmonella gallinarum infection. Allan D, et al. Res Vet Sci 12:140-51, Mar 71
Lead suppression of mouse resistance to Salmonella typhimurium. Hemphill FE, et al.
Science 172:1031-2, 4 Jun 71
Salmonella immunity in mice. Rauss K, et al.
Zentralbl Bakteriol [Orig] 216:32-53, 1971
[Idiotypy of rabbit antibodies against Salmonella abortus-equi. I. Heterologous reactions] Bordenave G, et al. Ann Inst Pasteur (Paris) 120:265-91, Mar 71 (Fre)
[Idiotypy of rabbit antibodies against Salmonella abortus-equi. II. Trial localization of idiotypic determinants on the molecules of different classes of immunoglobulins and on their subunits] Bordenave G. Ann Inst Pasteur (Paris) 120:292-312, Mar 71 (Fre)
[Studies on the immune mechanism of oral vaccination with inactivated antigen. 1. Elimination from the blood and distribution of labelled endotoxin] Strey A, et al. Arch Exp Veterinaermed 23:799-810, 1969 (Ger)
[Genetic resistance of inbred mice to Salmonella typhimurium] Gröschel D.
Zentralbl Bakteriol [Orig] 215:441-8, 1970 (Ger)
[Oral immunization with nonvial microorganism or their antigens. Immunogenicity of various inactivated S. typhimurium full antigens in the mouse protection test] Kordes I, et al.
Zentralbl Bakteriol [Orig] 217:242-53, Jun 71 (Ger)
[Oral immunization with inactivated microorganisms or their antigens. 3. Dosage and vaccination rhythm in specific immunization of mice against salmonella-caused enteritis] Raettig H.
Zentralbl Bakteriol [Orig] 203:478-91, 1967 (Ger)
[Oral immunization with inactivated microorganisms or their antigens. 4. Serum antibodies of the mouse after specific vaccination against salmonella-caused enteritis] Raettig H, et al.
Zentralbl Bakteriol [Orig] 204:221-31, 1967 (Ger)
[Studies on oral immunization of chickens with heat inactivated salmonella vaccine. I. Studies on vaccination and infection of chicks] Bisping W, et al.
Zentralbl Veterinaermed [B] 18:306-11, Jun 71 (Ger)

METABOLISM

Studies on absorption and topical distribution of oxytetracycline in healthy and experimentally infected animals. Illés EM.
Acta Vet Acad Sci Hung 20:139-48, 1970
Translocation and fate of 32P-labeled salmonella in mice. Hawbecker DE, et al.
Proc Soc Exp Biol Med 135:546-52, Nov 70

MICROBIOLOGY

The problems of drug-resistant pathogenic bacteria. Practical effectiveness of agents curing R factors and plasmids. Bouanchaud DH, et al.
Ann NY Acad Sci 182:305-11, 11 Jun 71
II. Experimental and clinical aspects of resistance determinants. Experimental transfer of antibiotic resistance in swine. Jaroimen H.
Ann NY Acad Sci 182:72-9, 11 Jun 71
Survey of infectious multiple drug resistance among Salmonella isolated from animals in the United States. Pocurull DW, et al. Appl Microbiol 21:358-62, Feb 71
Localization of salmonellae within the intestinal tract of chickens. Fanelli MJ, et al.
Avian Dis 15:366-75, Apr-Jun 71
Salmonella dublin infection in a beef herd. Watson WA, et al. Br Vet J 127:294-8, Jun 71
Salmonella organisms from poultry and allied sources. Gupta RN, et al. Indian Vet J 47:702-4, Aug 70
Salmonellae affecting poultry in India: isolation of S. lomita and S. wien. Kumar AA, et al.
Indian Vet J 47:701-2, Aug 70
Salmonella brunei from chicken--report of the isolation of an infrequently occurring salmonella serotype. Sen R, et al. Indian Vet J 47:1020-1, Nov 70
Epidemiological studies on Salmonella senftenberg. II. Infections in farm animals. Hugh-Jones ME.
J Hyg (Camb) 67:89-94, Mar 69
Excretion of Salmonella agona in turkeys. Shreeve BJ, et al. Vet Rec 88:480-1, 1 May 71
Preliminary studies of some biochemical properties of enteric and genital isolates of Salmonella dublin and a possible correlation with reduced virulence. Walton JR, et al. Vet Rec 89:112-3, 24 Jul 71
The importance of house lizards (Geckonidae) for the epidemiology of salmonellosis in South East Asia. Bockemühl J, et al.
Z Tropenmed Parasitol 21:307-12, Sep 70
Salmonella in mesenteric and portal lymph nodes and faeces from normal slaughter-pigs. Edel W, et al.
Zentralbl Veterinaermed [B] 17:875-9, Sep 70
[Identification of salmonellas in pigeon feces at incubation temperatures of 37 degrees C and 43 degrees C using different concentration media] Lüthgen W, et al.
Dtsch Tieraerztl Wochenschr 78:188-90, 15 Mar 71 (Ger)
[Salmonellas isolated from the intestines of goats in the environs of Mexico City] Varela G, et al.
Rev Invest Salud Publica 30:237-41, Jul-Sep 70 (Spa)

MORTALITY

Beef production from the dairy herd: an analysis of mortalities. Everitt GC, et al. NZ Vet J 18:132-9, Jul 70
The virulence for mice of Salmonella typhimurium T1 mutants. Ruschmann E, et al.
Zentralbl Bakteriol [Orig] 216:185-92, 1971

OCCURRENCE

Asymptomatic salmonellosis in a swine herd. Haddock RL. Am J Public Health 60:2345-53, Dec 70
Bovine salmonellosis in England and Wales. Hughes LE, et al. Br Vet J 127:225-38, May 71
Salmonella infections in dogs and cats in the Sudan. Khan AQ. Br Vet J 126:607-12, Nov 70
A note on salmonella infections in wild animals in Khartoum, Sudan. Khan AQ. Br Vet J 126:302-5, Jun 70
A contribution to the epidemiology of Salmonella dublin infection in cattle. Richardson A, et al.
Br Vet J 127:173-83, Apr 71
Some aspects of the epidemiology of Salmonella abortus-equi infection in equines. Singh IP, et al.
Br Vet J 127:378-83, Aug 71
An epidemiological study of Salmonella infection in swine in Ontario. Groves BI, et al.
Can J Public Health 61:396-401, Sep-Oct 70
The occurrence of Salmonella infection in market swine in Southwestern Ontario. Groves BI, et al.
Can Vet J 12:11-5, Jan 71
Salmonella isolations in abattoirs in Greece. Vassiliadis P, et al. J Hyg (Camb) 68:801-9, Dec 70
Incidence of Salmonella in samples of poultry feed and drinking water collected at site of ingestion. Duncan MS, et al. Poult Sci 50:653-4, Mar 71
Computer-based analysis of epidemiological data arising from salmonellosis in pigs. Linton AH, et al.
Res Vet Sci 11:523-32, Nov 70
Salmonella infection in fattening calves after slaughter. Edel W, et al.
Zentralbl Veterinaermed [B] 17:479-84, Apr 70
[Salmonella-infected cage-birds as a potential source of human infections] Lüthgen W.
Arch Hyg Bakteriol 154:167-70, Oct 70 (Ger)
[Epidemiologic studies on the occurrence of salmonellosis in song-birds] Greuel E, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Berl Munch Tieraerztl Wochenschr 84:292-4, 1 Aug 71 (Ger)
[Salmonellas in dogs] Schmidt OC.
Berl Munch Tieraerztl Wochenschr 83:396-7, 15 Oct 70 (Ger)
[Distribution of infectious and parasitic diseases in birds of the family Charadriidae (Limicolae)] Gabraschanski P, et al.
Dtsch Tieraerztl Wochenschr 74:256-7, 15 May 67 (Ger)
[Occurrence of Salmonellae in captive wild animals. 3. Antibiotic sensitivity of isolated strains of Salmonellae] Schröder HD, et al.
Monatsh Vet Med 25:551-4, 15 Jul 70 (Ger)
[Occurrence of Salmonellae in captive wild animals. 2. Occurrence in reptiles] Schröder HD.
Monatsh Vet Med 25:547-50, 15 Jul 70 (Ger)
[Spread of Salmonella among captive wild animals. 1. Occurrence in mammals and birds] Schröder HD.
Monatsh Vet Med 25:341-6, 1 May 70 (Ger)
[A parrot as the source of a human salmonella infection] Lüthgen W, et al.
Z Allgemeinmed 46:1501-4, 31 Oct 70 (Ger)
[Incidence of Salmonellae in animals slaughtered at the Abattoir of Cluj] Deac C, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:57-60, Jan-Feb 71 (Rum)
[Role of animals and birds as sources of Salmonella infections in man (literature review)] Nikitiuk NM.
Zh Mikrobiol Epidemiol Immunobiol 47:123-30, Oct 70 (95 ref.) (Rus)

PATHOLOGY

Morphological changes in the course of experimental salmonellosis in rabbits. Rejniak L, et al.
Acta Morphol Acad Sci Hung 18:155-65, 1970
Porcine salmonellosis. II. Production of the generalized Shwartzman reaction by intravenous injections of disintegrated cells of salmonella cholerae-suis. Nordstoga K, et al. Acta Vet Scand 11:370-9, 1970
Porcine salmonellosis. I. Gross and microscopic changes in experimentally infected animals. Nordstoga K. Acta Vet Scand 11:361-9, 1970
Porcine salmonellosis. 3. Production of fibrinous colitis by intravenous injections of a mixture of viable cells of salmonella cholerae-suis and disintegrated cells of the same agent, or hemolytic Escherichia coli. Nordstoga K, et al. Acta Vet Scand 11:380-9, 1970
Salmonellosis in a kinkajou. Sheldon WG, et al.
J Am Vet Med Assoc 159:624-5, Sep 71
Intrapulmonary lymphoid tissue of pigs exposed to aerosols of carbon particles, of Salmonella oranienburg, of Mycoplasma granularum, and to an oral inoculum of larvae of Metastrongylus apri. Jericho KW, et al. J Comp Pathol 81:13-21, Jan 71
[Pathomorphological studies of salmonellosis in swine] Sofrenović D, et al.
Monatsh Vet Med 25:729-34, 1 Oct 70 (Ger)
[A simple method for virulence determination of inflammation-inducing bacteria] Rotter M, et al.
Zentralbl Bakteriol [Orig] 216:517-26, 1971 (Ger)

PREVENTION & CONTROL

Inhibitory effect of used litter on salmonella typhimurium transmission in the chicken. Olesiuk OM, et al. Avian Dis 15:118-24, Jan-Mar 71
Progress in identifying and maintaining salmonella-free commercial chicken breeding flocks. 1. 1967-1969. Snoeyenbos GH, et al.
Avian Dis 14:883-96, Nov 70
The control of samonellae affecting swine and man. Newell KW, et al.
J Am Vet Med Assoc 158:89-98, 1 Jan 71 (51 ref.)
The evaluation of a live salmonella vaccine in mice and chickens. Knivett VA, et al.
J Hyg (Camb) 69:233-45, Jun 71
Epizootiology and control of salmonellosis in a laboratory aviary. Chrisp CE, et al.
Lab Anim Sci 21:49-53, Feb 71
Salmonellosis of mice: some characteristics of a heat-treated Salmonella typhimurium vaccine. Jonas WE. NZ Vet J 18:177-81, Sep 70
Rofenaid treatment of Arizona (paracolon) 7:1,7,8 and Salmonella typhimurium infections in young turkeys. Stephens JF, et al. Poult Sci 50:925-31, May 71
Status of the State-Federal Salmonella Program. Wilson ST Jr, et al.
Proc US Anim Health Assoc 73:33-45, 1969
Effect of feeding pellets on the prevention and sanitation of Salmonella infections in fattening pigs. Edel W, et al.
Zentralbl Veterinaermed [B] 17:730-8, Aug 70
[Study of the protective power for the chick embryo of various rabbit and human anti-S typhi serums] Eiguer T, et al.
Ann Inst Pasteur (Paris) 119:646-62, Nov 70 (Fre)
[Salmonellosis in cattle] Alikaiev VA.
Bull Off Int Epizoot 69:2021-8, Nov-Dec 68 (Fre)
[Studies on the viability of pathogens in animal feces. 3. Disinfection of poultry-litter by a combination of heated floor and heated air] Best E, et al.
Berl Munch Tieraerztl Wochenschr 83:488-91, 15 Dec 70 (Ger)
[Experimental oral immunization of doves with S. typhimurium var. copenhagen] Hörter R.
Dtsch Tieraerztl Wochenschr 78:56-60, 1 Feb 71 (Ger)
[Further experiments in the vaccination of doves against salmonellosis] Hörter R.
Dtsch Tieraerztl Wochenschr 78:159-61, 1 Mar 71 (Ger)
[Oral immunization against salmonellosis in chickens] Hörter R.
Dtsch Tieraerztl Wochenschr 78:230-3, 1 Apr 71 (Ger)
[Epizootiology and control of salmonellosis in herds of swine] Wohlfarth E.
Monatsh Vet Med 26:65-9, 15 Jan 71 (Ger)
[Salmonella prophylaxis in emergency and sick animal slaughtering] Könz R, et al.
Schweiz Arch Tierheilkd 113:63-72, Feb 71 (Ger)
[Studies and control of oral antityphoid vaccines] De Caro M, et al.
Progr Immunobiol Stand 4:369-71, 1970 (Ita)
[Immunogenic characteristics of attenuated strains of Salmonella] Matvienko BA.
Veterinariia 8:44-5, Aug 70 (Rus)

THERAPY

[Experience in the eradication of chicken pullorosis] Kariagin VI. Veterinariia 12:43-4, Dec 70 (Rus)

SALMONELLA PARATYPHI (B3)

[Lysogenic conversion of O1 antigen of Salmonella] Chomiczewski J, et al.
Arch Roum Pathol Exp Microbiol 28:934-8, Dec 69 (Fre)
[Lysogenicity and lysosensitivity of strains of Salmonella cholerae-suis and Salmonella typhi-suis] Milch H, et al.
Arch Roum Pathol Exp Microbiol 28:1003-14, Dec 69 (Fre)
[Parathyphoid osteitis caused by Salmonella cholerae suis Kunzendorf] Dosen M, et al.
Rev Chir Orthop 57:Suppl 1:269+, 1971 (Fre)
[The colicinogenicity and colicin sensitivity of paratyphoid "B" bacteria] Mnatsakanov ST.
Zh Eksp Klin Med 7:23-5, 1967 (Rus)

ANALYSIS

[The amino acid composition of cultures of S. typhi and S. paratyphi A and B] Khatuntseva NV, et al.
Biull Eksp Biol Med 67:81-4, Jun 69 (Rus)

CLASSIFICATION

Phage typing of Salmonella typhi and S. paratyphi A related to salmonellosis in Egypt. Habias R, et al.
J Egypt Public Health Assoc 45:134-44, 1970
[Typing of S. paratyphi B with the system of Felix and Callow extended by Scholtens] Polanetzki U, et al.
Zentralbl Bakteriol [Orig] 216:314-22, 1971 (Ger)
[Comparative phage- and colicin-type characteristics of typhoid and paratyphoid B strains circulating in Eastern Siberia] Bushueva SI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:38-41, May 71 (Rus)
[Phage typing of typhoid and paratyphoid B bacteria isolated from chronic carriers] Matushkina AP.
Zh Mikrobiol Epidemiol Immunobiol 48:109-12, May 71 (Rus)

CYTOLOGY

Antigens of the type-2 fimbriae of salmonellae: "cross-reacting material" (CRM) of type-1 fimbriae. Old DC, et al. J Med Microbiol 4:215-25, May 71

DRUG EFFECTS

Sensitivity of Salmonella paratyphi B to colicines and phase variation. Papavassiliou J, et al.
Pathol Microbiol (Basel) 36:282-3, 1970
[Transmissible multiple drug resistance of Enterobacteria] Lepila ES.
Antibiotiki 16:270-3, Mar 71 (Rus)

IMMUNOLOGY

Antigens of the type-2 fimbriae of salmonellae: "cross-reacting material" (CRM) of type-1 fimbriae. Old DC, et al. J Med Microbiol 4:215-25, May 71
[Immunochemical investigation of the structure of K- and O-antigens of Bacterium paratyphi B] Uvarova RN, et al. Dokl Akad Nauk SSSR 192:1152-5, 1970 (Rus)
[Fractionation of gram-negative bacterial endotoxins on columns of granulated agar] Vasil'eva TG.
Dokl Akad Nauk SSSR 184:225-7, Jan 69 (Rus)
[Extracellular and surface antigens of S. Stanley bacteria] Gashimova PSh, et al.
Vopr Med Khim 17:152-9, Mar-Apr 71 (Rus)
[Extracting and studying the properties of the surface antigens of paratyphoid A bacteria] Riapolova RG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:12-6, Aug 70 (Rus)
[Chemical disintegration of cultures of S. paratyphi B. and the immunochemical and immunobiological characteristics of the antigen preparations obtained] Shapiro NI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:135, Jun 70 (Rus)
[Characteristics of the properties of S. paratyphi B K-antigen] Stepanova LK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:72-7, Mar 71 (Rus)

ISOLATION & PURIFICATION

A method for the isolation of Salmonellae from scanty positive human faeces. Bänffer JR.
Antonie van Leeuwenhoek 36:586, 1970
Comparative efficiency and application of blood culture techniques for enteric fever diagnosis. Sanborn WR, et al.
J Egypt Public Health Assoc 45:181-94, 1970
[Problem of chronic typhoid and paratyphoid carriers from the sociological and epidemiologic viewpoint] Fiedler K.
Z Aerztl Fortbild (Jena) 64:1230-4, 1 Dec 70 (Ger)
[Salmonella paratyphi B gonarthritis in the course of chronic osteomyelitis] Klerat J.
Reumatologia 9:87-9, 1971 (Pol)
[Pathogenesis of the chronic biliary carriers of S. typhi and S. paratyphi B] Cernák P.
Bratisl Lek Listy 55:424-43, 1971 (Slo)

METABOLISM

Metabolism of glucose-I-14C and glucose-6-14C by Salmonella typhi and S. paratyphi A under stationary and shaking conditions. Modak MJ, et al.
Indian J Exp Biol 9:86-7, Jan 71

SALMONELLA PARATYPHI B see under

SALMONELLA PARATYPHI (B3)

SALMONELLA PARATYPHI C see under

SALMONELLA PARATYPHI (B3)

SALMONELLA PHAGES (B4)

Preliminary report of a new system for typing Salmonella typhimurium in the United States. Wilson VR, et al. Appl Microbiol 21:774-6, Apr 71
Bacteriophage attachment sites, serological specificity, and chemical composition of the lipopolysaccharides of semirough and rough mutants of Salmonella typhimurium. Lindberg AA, et al.
J Bacteriol 105:57-64, Jan 71
Mechanism of conversion of the salmonella O antigen by bacteriophageepsilon 34. Wright A.
J Bacteriol 105:927-36, Mar 71
Isolation and haracterization nonconverting mutants of bacteriophage epsilon 34. Wright A, et al.
J Bacteriol 105:937-9, Mar 71
Impaired transduction of R213 and its recovery by a homologous resident R factor. Yoshikawa M, et al.
J Bacteriol 106:523-8, May 71
Phage typing of Salmonella typhi and S. paratyphi A related to salmonellosis in Egypt. Habias R, et al.
J Egypt Public Health Assoc 45:134-44, 1970
Phage typing of the typhoid bacillus. Nicolle P.
J Egypt Public Health Assoc 45:119-33, 1970
Contribution of the bacterial recombination function to replication of bacteriophage P2. Yamagami H, et al.
J Mol Biol 53:281-5, 28 Oct 70
New generalized transducing bacteriopahge in Echerichia coli. Mise K, et al. J Virol 6:253-5, Aug 70
Directional alignment of two Salmonella phage P22 maps constructed from temperature sensitive or Amber mutants. Kolstad RA.
Mol Gen Genet 110:77-81, 1971
Px, a hybrid between the serologically unrelated and heteroimmune Salmonella bacteriophages P22 and Py. II. Contribution of P22 genetic material to different Px variants. Preil HH. Mol Gen Genet 108:184-202, 1970
Px, a hybrid between the serologically unrelated and heteroimmune Salmonella bacteriophages P22 and Py. I. Some properties of Py and Px, genetic evidence for the hybrid nature of Px, and phenotypic mixing between P22, Py and Px. Preil HH.
Mol Gen Genet 108:167-83, 1970
ES18, a general transducing phage for smooth and nonsmooth Salmonella typhimurium. Kuo TT, et al.
Virology 42:621-32, Nov 70
[Is the behavior of the anti-diphtheric phage 951 "L" similar to that of the phage VI II of Salmonella typhi?] Maximesco P, et al.
Arch Roum Pathol Exp Microbiol 28:1059-68, Dec 69 (Fre)
[On phage-bacteria relationships in Salmonella anatum. I. Observations on the isolation and characteristics of certain anti-S. anatum phages] Perianu M.
Arch Roum Pathol Exp Microbiol 28:1014-9, Dec 69 (Fre)
[Lysogeny bacteriophages of Salmonella] Vieu JF, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Arch Roum Pathol Exp Microbiol 28:773-5, Dec 69 (Fre)
[Immunogenetic studies on microorganisms. 32. Integration site of prophage P22 and genetic locus of O-20 in Salmonella chromosome] Kishi K.
Med Biol (Tokyo) 81:311-4, 10 Dec 70 (Jap)
[Relation of colicinogenic transduction to temperature conditions and chloramphenicol action] Blinkova LP, et al. Mikrobiologiia 38:656-62, Jul-Aug 69 (Rus)
[Prevention by phage treatment of secondary cases in typhoid foci] Kiknadze GP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:127-30, Mar 71 (Rus)

ANALYSIS

Variation of 6-methylaminopurine content in bacteriophage P22 deoxyribonucleic acid as a function of host specificity. Hattman S. J Virol 7:690-1, May 71
The molecular structure of the transducing particles of Salmonella phage P22. II. Density gradient analysis of DNA. Schmieger H. Mol Gen Genet 109:323-37, 1970

GROWTH & DEVELOPMENT

A recombination function essential to the growth of bacteriophage P22. Botstein D, et al.
J Mol Biol 54:417-40, 28 Dec 70
Antigenic conversion by phage P27. I. Mapping of the prophage attachment site on the Salmonella chromosome. Bagdian G, et al.
Virology 43:403-11, Feb 71
[Phage reproduction in S. typhimurium with modified cell wall] Levashev VS, et al.
Vestn Akad Med Nauk SSSR 25:91-5, 1970 (Rus)

ISOLATION & PURIFICATION

Virulent mutants of bacteriophage p22.I. Isolation and genetic analysis. Bronson MJ, et al.
J Virol 7:559-68, May 71

METABOLISM

Lipid changes in Salmonella typhimurium on infection with bacteriophage P22. Knipprath WG, et al.
Biochim Biophys Acta 231:107-21, 2 Feb 71
Control of the replication complex of bacteriophage P22. Levine M, et al. J Virol 6:400-5, Oct 70
[Phage-induced antigen transformation in group E salmonellae] Schlosshardt J, et al.
Arch Exp Veterinaermed 24:333-6, 1970 (Ger)

RADIATION EFFECTS

Evidence for an early regulatory function in Phage P22. Bezdek M, et al. Mol Gen Genet 108:243-8, 1970

SALMONELLA SCHOTTMUELLERI see under

SALMONELLA PARATYPHI (B3)

SALMONELLA TYPHIMURIUM (B3)

Persistent urinary tract infection with Salmonella typhimurium after renal cadaveric transplantation. Ringoir S, et al. Acta Clin Belg 24:251-3, 1969
Chronic Salmonella bacteriuria complicating lymphosarcoma. Han T, et al.
Am J Clin Pathol 54:837-8, Dec 70
A waterborne epidemic of salmonellosis in Riverside, California, 1965. Epidemiologic aspects. A collaborative report. Am J Epidemiol 93:33-48, Jan 71
Mapping of a gene causing resistance to chlorate in Salmonella typhimurium. Stouthamer AH, et al. Antonie van Leeuwenhoek 36:555-65, 1970
Degradation of endotoxin by Salmonella typhimurium. Marx A, et al.
Arch Roum Pathol Exp Microbiol 28:497-502, Jun-Sep 69
Current linkage map of Salmonella typhimurium. Sanderson KE.
Bacteriol Rev 34:176-93, Jun 70 (212 ref.)
Structural investigations on the core polysaccharide of Salmonella typhimurium and the mode of attachment of the O-specific chains. Hämmerling G, et al.
Eur J Biochem 15:48-56, Jul 70
Structure of cell wall lipopolysaccharide from Salmonella typhimurium. Further studies on the linkage between O side chains and R core. Nikaido H.
Eur J Biochem 15:57-62, Jul 70
Isolation of the ribosomal RNA genes of Salmonella typhimurium. Udvardy A, et al.
Eur J Biochem 20:513-7, 29 Jun 71
Structure of cell wall lipopolysaccharide from Salmonella typhimurium. Structure of lipopolysaccharide from a Semirough mutant. Yuasa R, et al. Eur J Biochem 15:63-71, Jul 70
Evidence for the separability of the operator from the first structural gene in the tryptophan operon of Salmonella typhimurium. Cordaro JC, et al.
Genetics 67:151-69, Feb 71
F-prime factors of Salmonella typhimurium and an inversion between S. typhimurium and Escherichia coli. Sanderson KE, et al. Genetics 64:215-28, Feb 70
Low-level reading of the UGA triplet in Salmonella typhimurium. Ferretti JJ.
J Bacteriol 106:691-3, May 71
Bacteriophage attachment sites, serological specificity, and chemical composition of the lipopolysaccharides of semirough and rough mutants of Salmonella typhimurium. Lindberg AA, et al.
J Bacteriol 105:57-64, Jan 71
Asymmetric template function of microbial deoxyribonucleic acids: transcription of ribosomal and soluble ribonucleic acids. Margulies L, et al.
J Bacteriol 103:560-8, Sep 70
Cotransduction of strA and ribosomal protein cistrons in Escherichia coli-Salmonella typhimurium hybrids. O'Neil DM, et al. J Bacteriol 105:947-56, Mar 71
Dominance of the wild-type alleles of methionine regulatory genes in Salmonella typhimurium. Chater KF. J Gen Microbiol 63:95-109, Sep 70
Suppression of methionyl transfer RNA synthetase mutants of Salmonella typhimurium by methionine regulatory mutations. Chater KF, et al.
J Gen Microbiol 63:121-31, Sep 70
Chromosomal location of host specificity in Salmonella typhimurium. Colson C, et al.
J Gen Microbiol 60:265-71, Feb 70
Evidence for the order promoter-operator-first structural gene in the tryptophan operon of Salmonella. Callahan R, et al.
J Mol Biol 51:709-15, Aug 70
Suppressors of frameshift mutations in Salmonella typhimurium. Riddle DL, et al.
J Mol Biol 54:131-44, 28 Nov 70
Contribution of the bacterial recombination function to replication of bacteriophage P2. Yamagami H, et al.
J Mol Biol 53:281-5, 28 Oct 70
Recessive-lethal nonsense suppressors in Salmonella typhimurium. Miller CG, et al.
J Okla State Dent Assoc 59:63-75, 14 Jul 71
Variation of 6-methylaminopurine content in bacteriophage P22 deoxyribonucleic acid as a function of host specificity. Hattman S. J Virol 7:690-1, May 71
The chemical compositions of the cell wall of Salmonella typhimurium affecting the clearance-rate in mouse; influence of specific antibody. Nakano M, et al. Jap J Microbiol 14:451-61, Nov 70
Genetic studies of the ribosomal proteins in Escherichi coli. VI. Determination of chromosomal loci for several ribosomal protein components using a hyrid strain between Escherchia coli and Salmoneli typhimurium. Dekio S, et al.
Mol Gen Genet 109:131-41, 1970
Order of the ilv genes of Salmonella montevideo. Sawyer ME, et al. Mol Gen Genet 109:370-2, 1970
A temperature-sensitive mutant of Salmonella typhimurium. Skavronskaya AG, et al.
Mutat Res 11:249-52, Feb 71
Reactivities of shark 19S and 7S IgM antibodies to Salmonella typhimurium. Schulkind ML, et al.
Nature [New Biol] 230:182-3, 7 Apr 71
Killing or protection of Salmonella typhimurium mutants by mammalian sera. Edebo L, et al.
Progr Immunobiol Stand 4:575-82, 1970
ES18, a general transducing phage for smooth and nonsmooth Salmonella typhimurium. Kuo TT, et al.
Virology 42:621-32, Nov 70
Disaggregation of S. typhimurium endotoxin with desoxycholate. Marx A, et al.
Zentralbl Bakteriol [Orig] 215:516-22, 1970
[Study of the protective power for the chick embryo of various rabbit and human anti-S typhi serums] Eiguer T, et al.
Ann Inst Pasteur (Paris) 119:646-62, Nov 70 (Fre)
[Effect of thermolabile and thermostabile endotoxins of Salmonella typhimurium on the laboratory animal organism. Kinetics of physiopathological changes] Olinescu A, et al.
Arch Roum Pathol Exp Microbiol 29:238-48, Mar-Jun 70 (Fre)
[Preparation of anti-H-salmonella agglutinating serums] Vlădoianu IR, et al.
Progr Immunobiol Stand 4:571-4, 1970 (Fre)
[Control of Salmonella typhimurium infection in calves] Dingeldein W, et al.
Dtsch Tieraerztl Wochenschr 78:184-7, 15 Mar 71 (Ger)
[Salmonella-typhimurium-infection as a complication of internal horse diseases] Pick M.
Dtsch Tieraerztl Wochenschr 77:183-8, 15 Apr 70 (Ger)
[Salmonellosis in songbirds] Müller H.
Monatsh Vet Med 25:346-8, 1 May 70 (Ger)
[Epidemic disease caused by S. typhimurium in the Lingen county (Ems) during summer 1965] Riesen W, et al. Oeff Gesundheitswes 31:15-22, Jan 69 (Ger)
[The influence of dimethylsulfoxide upon experimental intraperitoneal infection of the mouse with Salmonella typhimurium] Klein HJ, et al.
Zentralbl Bakteriol [Orig] 216:483-6, 1971 (Ger)
[Autopsy case of septicemia due to Salmonella typhimurium associated with thymoma and abscess formation] Koga T, et al.
J Jap Assoc Infect Dis 45:218-21, Jun 71 (Jap)
[Electron microscope obervations of the relations between Salmonella and cells of the organism (lung model)] Aridi BM, et al.
Arkh Patol 32:17-21, 1970 (Rus)
[Efficacy of underground filtration installations in relation to Salmonella] Duchinskii BM.
Gig Sanit 35:93-4, Oct 70 (Rus)
[Relation of colicinogenic transduction to temperature conditions and chloramphenicol action] Blinkova LP, et al. Mikrobiologiia 38:656-62, Jul-Aug 69 (Rus)
[Phage reproduction in S. typhimurium with modified cell wall] Levashev VS, et al.
Vestn Akad Med Nauk SSSR 25:91-5, 1970 (Rus)
[Virulent and immunogenic properties of streptomycin- and guanine-dependent mutant of S. typhimurium] Elkina SI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:10-3, Jan 71 (Rus)
[Bactericidal activity against S. typhimurium of filtrates of bouillon cultures of enterococci isolated from the intestines of small children] Mashkov AV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:104-8, Jun 71 (Rus)
[Production of streptomycin dependent (str-d) mutants of salmonellae by the transduction method] Shuster BIu, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:83-4, Sep 70 (Rus)

ANALYSIS

Structure of an oligosaccharide obtained on degradation of the lipopolysaccharide from Salmonella typhimurium LT2. Hellerqvist CG, et al.
Acta Chem Scand 25:744-5, 1971
Supramolecular structure of the rigid layer of the cell wall of Salmonella, Serratia, Proteus, and Pseudomonas fluorescens. Number of lipoprotein molecules in a membrane layer. Braun V, et al.
Biochemistry 9:5041-9, 22 Dec 70
Tumor hemorrhagic properties of surface components of Salmonella typhimurium mutants. Wasilauskas BL, et al. Cancer 27:217-22, Jan 71
Acyl phosphatidylglycerol. A new phospholipid from Salmonella typhimurium. Olsen RW, et al.
J Biol Chem 246:3305-13, 25 May 71
Adjuvancy of endotoxin from heptoseless Salmonella mutants. Nakano M, et al.
Jap J Microbiol 15:102-4, Jan 71
[Comparative study of chemical composition of polysaccharide-containing complexes, obtained from Salmonella typhimurium by different methods] Popovich GG, et al.
Mikrobiol Zh 32:688-93, Nov-Dec 70 (Ukr)

CLASSIFICATION

Preliminary report of a new system for typing Salmonella typhimurium in the United States. Wilson VR, et al. Appl Microbiol 21:774-6, Apr 71
[Lysotyping of Salmonella typhimurium. Study of strains from hospital epidemics] Dragaš Z.
Arch Roum Pathol Exp Microbiol 28:991-6, Dec 69 (Fre)
[A subdivision of S. typhimurium into lysotypes and biotypes] Scholtens RT.
Arch Roum Pathol Exp Microbiol 28:984-90, Dec 69 (Fre)

CYTOLOGY

Structure of bacterial flagella from Salmonella typhimurium: effects of hydration and some stains on the equatorial X-ray diffraction patterns of cast films. Burge RE, et al. J Mol Biol 56:21-34, 28 Feb 71
Location on the chromosome of Salmonella typhimurium of genes governing pyrimidine metabolism. Beck CF, et al.
Mol Gen Genet 111:303-16, 1971
The fate of the bacterial chromosome in P22-infected cells of Salmonella typhimurium. Schmieger H.
Mol Gen Genet 110:238-44, 1971

DRUG EFFECTS

Mutagenic action of edeine in bacteria. I. Estimation of the minimal mutagenic concentration of antibiotic. Tabaczyński MM, et al.
Acta Microbiol Pol [A] 2:179-83, 1970
Molybdate toxicity in Salmonella typhimurium. McKillen MN, et al. Biochem J 118:27P, Jun 70
Effect of a potent carcinogen, 4-nitroquinoline 1-oxide, and its reduced form, 4-hydroxylaminoquinoline 1-oxide, on bacterial and bacteriophage genomes. Yamamoto N, et al. Cancer Res 30:2532-7, Oct 70
Derepression of F-lac in Salmonella typhimurium by a determinant for kanamycin resistance. Smith HR, et al. Genet Res 16:349-53, Dec 70
Impaired transduction of R213 and its recovery by a homologous resident R factor. Yoshikawa M, et al.
J Bacteriol 106:523-8, May 71
Mutants of Neurospora crassa, Escherichia coli and Salmonella typhimurium specifically inhibited by carbon dioxide. Roberts GA, et al.
J Gen Microbiol 63:21-7, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Relation between the cell wall composition and susceptibility of Salmonella typhimurium to anti-salmonella substance extracted from mouse spleens. Nakano M, et al.
Jap J Microbiol 15:99-101, Jan 71

A genetic and biochemical study of streptomycin- and spectinomycin-resistance in Salmonella typhimurium. Yamada T, et al. Mol Gen Genet 110:197-210, 1971

New aspects on transferable drug resistance. Walton JR. Schweiz Arch Tierheilkd 112:203-11, Apr 70

Effect of rifampicin on stability and transfer of R-factors. Krčméry V, et al.
Z Allg Mikrobiol 11:97-101, 1971

[Presence of characteristics of S.P.P. (suppression of plaque formation by phages) in antibiotic-sensitive and non-sensitive strains of Salmonella typhimurium. Transduction of antibiotic resistance to sensitive strains; transmission of S.P.P. characteristics, by conjugation from such strains rendered resistant to S. typhimurium of lysotype A. Transmission of resistance by means of mixed cultures] Scholtens RT.
Arch Roum Pathol Exp Microbiol 28:910-6, Dec 69 (Fre)

[Dosage and method of action of bactericidal drugs in relation to the "low resistance period" in animal experiment] Sackmann W.
Pathol Microbiol (Basel) 36:284, 1970 (Ger)

[Effect of dinitroorthocresol on the growth of some saprophytic and pathogenic microorganisms] Tarkov MI, et al. Gig Sanit 36:57-60, 1971 (Rus)

[Change in the biological properties of E. coli K-12 and S. typhimurium LT-2 during the development of resistance to levomycetin] Dugasheva LG.
Zh Mikrobiol Epidemiol Immunobiol 48:58-62, Mar 71 (Rus)

[Intestinal infection by Salmonella typhimurium in infants and in vitro sensitivity of this pathological bacterium to 7 antibiotics] Prado V, et al.
Rev Chil Pediatr 42:91-6, Feb 71 (Spa)

ENZYMOLOGY

Purification and characterization of penicillinases from Salmonella typhimurium and Escherichia coli. Neu HC, et al. Arch Biochem Biophys 139:278-90, Aug 70

Cross-linking of Salmonella isopropylmalate synthesis with dimethyl suberimidate: evidence for antagonistic effects of leucine and acetyl-CoA on the quaternary structure. Kohlhaw G, et al.
Biochem Biophys Res Commun 43:741-6, 21 May 71

Effect of histidine on the enzyme which catalyzes the first step of histidine biosynthesis in Salmonella typhimurium. Biasi F, et al.
Biochemistry 10:1409-17, 13 Apr 71

Genetic approaches to determination of enzyme quaternary structure. Low KK, et al.
Biochemistry 10:204-7, 19 Jan 71

Evidence for channeling of homoserine in Salmonella typhimurium. Cafferata RL, et al.
Biochim Biophys Acta 222:671-4, 29 Dec 70

Branched-chain amino-acid aminotransferase of Salmonella typhimurium. I. Crystallization and preliminary characterization. Coleman MS, et al.
Biochim Biophys Acta 227:56-66, 13 Jan 71

Immunochemical studies on the interrelationships between sulfite reductase and other NADPH-linked reductase activities of Escherichia coli and Salmonella typhimurium. Gilboa-Garber N, et al.
Biochim Biophys Acta 220:602-5, 16 Dec 70

Number and reactivity of the sulfhydryl groups of alpha-isopropylmalate synthase of Salmonella typhimurium. Kohlhaw G.
Biochim Biophys Acta 212:58-64, 15 Jul 70

The similarity of tryptophan synthetases of Anabaena variabilis and Chlorella ellipsoidea with that of bacteria. Sakaguchi K.
Biochim Biophys Acta 220:580-93, 16 Dec 70

Effect of thermal injury on the TCA cycle enzymes of Staphylococcus aureus MF 31 and Salmonella typhimurium 7136. Tomlins RI, et al.
Can J Microbiol 17:759-65, Jun 71

Regulatory mutants of the tryptophan operon of Salmonella typhimurium. Balbinder E, et al.
Genetics 66:31-53, Sep 70

Mutants of Salmonella typhimurium with an altered leucyl-transfer ribonucleic acid synthetase. Alexander RR, et al. J Bacteriol 106:213-20, Apr 71

Inhibition of growth of Salmonella typhimurium and of threonine deaminase and transaminase B by beta-chloroalanine. Arfin SM, et al.
J Bacteriol 105:519-22, Feb 71

Induction and repression of L-arabinose isomerase in Salmonella typhimurium. Bhattacharya AK, et al.
J Bacteriol 106:107-12, Apr 71

Interaction between the first enzyme for histidine biosynthesis and histidyl transfer ribonucleic acid. Biasi F, et al. J Bacteriol 106:508-13, May 71

Salmonella locus affecting phosphoenolpyruvate synthase activity identified by a deletion analysis. Calvo JM, et al. J Bacteriol 106:286-8, Apr 71

Histidinol dehydrogenase (his D) mutants of Salmonella typhimurium. Greeb J, et al.
J Bacteriol 106:421-31, May 71

Properties of a Salmonella typhimurium mutant with an incomplete deficiency of uridinediphosphogalactose-4-epimerase. Krishnapillai V, et al. J Bacteriol 107:155-61, Jul 71

Deoxycytidine triphosphate deaminase: identification and function in Salmonella typhimurium. Neuhard J, et al. J Bacteriol 105:657-65, Feb 71

The anthranilate synthetase-anthranilate-5-phosphorribosylpyrophosphate phosphoribosyltransferase aggregate. On the reaction mechanism of anthranilate synthetase from Salmonella typhimurium. Nagano H, et al.
J Biol Chem 245:3810-20, 10 Aug 70

Multiple molecular forms of uridine diphosphate glucose pyrophosphorylase from Salmonella typhimurium. 3. Interconversion between various forms. Nakae T. J Biol Chem 246:4404-11, 25 Jul 71

Multiple molecular forms of uridine diphosphate glucose pyrophosphorylase from Salmonella typhimurium. II. Genetic determination of multiple forms. Nakae T, et al.
J Biol Chem 246:4397-403, 25 Jul 71

Multiple molecular forms of uridine diphosphate glucose pyrophosphorylase from Salmonella typhimurium. I. Catalytic properties of various forms. Nakae T, et al. J Biol Chem 246:4386-96, 25 Jul 71

Properties of a fused protein formed by genetic manipulation. Histidinol dehydrogenase-imidazolylacetol phosphate: L-glutamate aminotransferase. Rechler MM, et al.
J Biol Chem 246:1806-13, 25 Mar 71

The physiological behavior of enzyme I and heat-stable protein mutants of a bacterial phosphotransferase system. Saier MH Jr, et al.
J Biol Chem 245:5870-3, 10 Nov 70

Genetic and metabolic control of enzymes responsible for histidine degradation in Salmonella typhimurium. 4-imidazolone-5-propionate amidohydrolase and N-formimino-L-glutamate formiminohydrolase. Smith GR, et al. J Biol Chem 246:3320-9, 25 May 71

A genetical study of the feedback-sensitive enzyme of methionine synthesis in Salmonella typhimurium. Chater KF, et al. J Gen Microbiol 63:111-20, Sep 70

Biochemical and physiological properties of methionyl-sRNA synthetase mutants of Salmonella typhimurium. Gross TS, et al.
J Gen Microbiol 65:5-21, Jan 71

Specific binding of leucyl transfer RNA to an immature form of L-threonine deaminase: its implications in repression. Hatfield GW, et al.
Proc Natl Acad Sci USA 66:1027-35, Aug 70

Nature and self-regulated synthesis of the repressor of the hut operons in Salmonella typhimurium. Smith GR, et al. Proc Natl Acad Sci USA 68:1493-7, Jul 71

GROWTH & DEVELOPMENT

Recombination-deficient mutants of colicinogenic Salmonella typhimurium detected by their failure to produce colicin. MacPhee DG.
J Bacteriol 104:345-50, Oct 70

Synchronous growth of enteric bacteria. Shehata TE, et al. J Bacteriol 103:789-92, Sep 70

Cell division in a mutant of Salmonella typhimurium which is temperature-sensitive for DNA synthesis. Spratt BG, et al. J Gen Microbiol 65:305-14, Mar 71

[Growth and lipopolysaccharide content of Salmonellae grown in submersed cultures according to the "batch" method. I. Cultivation under differing aeration conditions] Schlecht S.
Zentralbl Bakteriol [Orig] 215:51-72, 1970 (Ger)

[The effect of guanine on the in vivo multiplication of guanine-dependent S. typhimurium and the intensity of sterile immunity in mice] Tkachenko VN.
Zh Mikrobiol Epidemiol Immunobiol 46:80-6, Oct 69 (Rus)

IMMUNOLOGY

Some regularities of antibody formation in mice immunized by salmonella cell fractions. Stanislavsky ES, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:9-22, 1971

The isolation and biologic activities of purified secretory IgA and IgG anti-Salmonella typhimurium "O" antibodies from rabbit intestinal fluid and colostrum. Eddie DS, et al.
J Immunol 106:181-90, Jan 71

Experimental salmonellosis: differential passive transfer of immunity with serum and cells obtained from ribosomal and ribonucleic acid-immunized mice. Venneman MR, et al.
J Reticuloendothel Soc 9:491-502, May 71

Lead suppression of mouse resistance to Salmonella typhimurium. Hemphill FE, et al.
Science 172:1031-2, 4 Jun 71

[Salmonella "H" and "O" antibodies] Mitrici N, et al.
Arch Roum Pathol Exp Microbiol 29:223-8, Mar-Jun 70 (Fre)

[Oral immunization with nonvial microorganism or their antigens. Immunogenicity of various inactivated S. typhimurium full antigens in the mouse protection test] Kordes I, et al.
Zentralbl Bakteriol [Orig] 217:242-53, Jun 71 (Ger)

[Oral immunization with inactivated microorganisms or their antigens. 3. Dosage and vaccination rhythm in specific immunization of mice against salmonella-caused enteritis] Raettig H.
Zentralbl Bakteriol [Orig] 203:478-91, 1967 (Ger)

[Oral immunization with inactivated microorganisms or their antigens. 4. Serum antibodies of the mouse after specific vaccination against salmonella-caused enteritis] Raettig H, et al.
Zentralbl Bakteriol [Orig] 204:221-31, 1967 (Ger)

[Oral immunisation with inactivated microorganisms or their antigens. 10. Serological primary and secondary response after oral vaccination with S. typhi murium-complete antigen in comparative animal experiments] Raettig H, et al.
Zentralbl Bakteriol [Orig] 214:216-30, 1970 (Ger)

[Method for the detection of bacteriolysins against S. typhimurium in blood sera] Priamukhina NS, et al.
Lab Delo 11:688-91, 1970 (Rus)

ISOLATION & PURIFICATION

Isolation of Salmonella typhi-murium from municipal water, Riverside, California, 1965. Boring JR 3d, et al.
Am J Epidemiol 93:49-54, Jan 71

[Studies on types of salmonella typhimurium in domestic pigeons in Schleswig-Holstein and their possible epizootological significance] Wuthe HH.
Berl Munch Tieraerztl Wochenschr 84:290-2, 1 Aug 71 (Ger)

[Identification of salmonellas in pigeon feces at incubation temperatures of 37 degrees C and 43 degrees C using different concentration media] Löthgen W, et al.
Dtsch Tieraerztl Wochenschr 78:188-90, 15 Mar 71 (Ger)

[Salmonella typhimurium infection in a herd of cows] Haase H. Monatsh Vet Med 25:752-6, 1 Oct 70 (Ger)

[Spread of Salmonella among captive wild animals. 1. Occurrence in mammals and birds] Schröder HD.
Monatsh Vet Med 25:341-6, 1 May 70 (Ger)

METABOLISM

Electron transport system of Salmonella typhimurium cells. Drabikowska AK.
Acta Biochim Pol 17:89-98, 1970

Factors influencing the transfer of col E and col I. Buraczyńska M, et al.
Acta Microbiol Pol [A] 2:155-64, 1970

Elimination of colicinogenic factor I. Derylo M, et al.
Acta Microbiol Pol [A] 2:165-8, 1970

Role of microbial iron transport compounds in bacterial spoilage of eggs. Garibaldi JA.
Appl Microbiol 20:558-60, Oct 70

The transport of methyl-alpha-D-glucopyranoside by thermally stressed Salmonella typhimurium. Pierson MD, et al.
Biochem Biophys Res Commun 43:378-83, 16 Apr 71

Lipid changes in Salmonella typhimurium on infection with bacteriophage P22. Knipprath WG, et al.
Biochim Biophys Acta 231:107-21, 2 Feb 71

Control of stable-RNA synthesis and maturation of 5-S RNA in Salmonella typhimurium RC-str and RC-rel. Raué HA, et al.
Biochim Biophys Acta 232:314-23, 11 Mar 71

A ribosome-like particle accumulated at low temperature by a cold-sensitive mutant of Salmonella typhimurium. Tai PC, et al.
Biochim Biophys Acta 232:151-66, 25 Feb 71

Iron uptake in Salmonella typhimurium. Walsh BL, et al. Can J Microbiol 17:213-6, Feb 71

The effects of Salmonella typhimurium on derepressed mutants of F-like factors. Grindley ND, et al.
Genet Res 17:89-93, Feb 71

Isoleucine-valine requiring mutants of Salmonella typhimurium. 3. Valine-sensitive strains. Armstrong FB, et al. Genetics 67:171-82, Feb 71

A multisite-mutation map of the leucine operon of Salmonella typhimurium. Calvo JM, et al.
Genetics 64:199-214, Feb 70

D-Mannitol utilization in Salmonella typhimurium. Berkowitz D. J Bacteriol 105:232-40, Jan 71

Metabolism of exogenous purine bases and nucleosides by Salmonella typhimurium. Hoffmeyer J, et al.
J Bacteriol 106:14-24, Apr 71

Interaction between histidyl transfer ribonucleic acid and the first enzyme for histidine biosynthesis of Salmonella typhimurium. Kovach JS, et al.
J Bacteriol 104:787-92, Nov 70

Mutants of Salmonella typhimurium able to utilize D-histidine as a source of L-histidine. Krajewska-Grynkiewicz K, et al.
J Bacteriol 105:28-37, Jan 71

Biochemical studies of melibiose metabolism in wild type and mel mutant strains of Salmonella typhimurium. Levinthal M.
J Bacteriol 105:1047-52, Mar 71

Biosynthesis of T1 antigen in Salmonella: biosynthesis in a cell-free system. Nikaido H, et al.
J Bacteriol 105:1073-82, Mar 71

Genetics of sulfate transport by Salmonella

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

typhimurium. Ota N, et al.
J Bacteriol 105:1053-62, Mar 71
Biosynthesis during recovery of heat-injured Salmonella typhimurium. Pierson MD, et al.
J Bacteriol 105:1234-6, Mar 71
Iron transport in Salmonella typhimurium: mutants blocked in the biosynthesis of enterobactin. Pollack JR, et al. J Bacteriol 104:635-9, Nov 70
Two mutations in the first gene of the histidine operon of Salmonella typhimurium affecting control. Rothman-Denes L, et al. J Bacteriol 106:227-37, Apr 71
Biosynthesis of T1 antigen in Salmonella: origin of D-galactofuranose and D-ribofuranose residues. Sarvas M, et al. J Bacteriol 105:1063-72, Mar 71
Requirements of Salmonella typhimurium for recovery from thermal injury. Tomlins' RI, et al.
J Bacteriol 105:512-8, Feb 71
Precursor ribosomal ribonucleic acid and ribosome accumulation in vivo during the recovery of Salmonella typhimurium from thermal injury. Tomlins RI, et al. J Bacteriol 107:134-42, Jul 71
Methylation of the flagellin of Salmonella typhimurium. Tronick SR, et al.
J Bacteriol 105:211-9, Jan 71
Regulation of L-cysteine biosynthesis in Salmonella typhimurium. I. Effects of growth of varying sulfur sources and O-acetyl-L-serine on gene expression. Kredich NM. J Biol Chem 246:3474-84, 10 Jun 71
The two operons of the histidine utilization system in Salmonella typhimurium. Smith GR, et al.
J Biol Chem 246:3330-41, 25 May 71
Glucosylation of lipopolysaccharide in Salmonella: biosynthesis of O antigen factor 12 2 . 3. The presence of 12 2 determinants in haptenic polysaccharides. Takeshita M, et al. J Biol Chem 246:3920-7, 25 Jun 71
Proline biosynthesis: regulation by a positive control mechanism? Gaudie D, et al.
J Gen Microbiol 63:13-4, Nov 70
A mutant in the initiation of DNA synthesis in Salmonella typhimurium. Spratt BG, et al.
J Gen Microbiol 64:127-38, Dec 70
A mutant in the initiation of DNA synthesis in Salmonella typhimurium. Spratt BG, et al.
J Gen Microbiol 63:8-9, Nov 70
Production of DNA-less cells in a mutant of Salmonella typhimurium. Spratt BG, et al.
J Gen Microbiol 63:ix, Nov 70
Pleiotropic effects of de-repressed bacterial sex factors on colicinogeny and cell wall structure. Dowman JE, et al. Mol Gen Genet 109:57-68, 1970
Changes in the pattern of reversion of a proline-requiring mutant of Salmonella typhimurium. Smith-Keary PF. Mutat Res 11:279-92, Mar 71
Components of histidine transport: histidine-binding proteins and hisP protein. Ames GF, et al.
Proc Natl Acad Sci USA 66:1096-103, Aug 70

PATHOGENICITY

Effect of cortisone on Salmonella typhimurium infection in rabbits. Lal SM, et al.
Indian Vet J 48:560-3, Jun 71
Salmonella typhimurium strain LT-2 is still pathogenic for man. Baumberg S, et al.
J Gen Microbiol 65:99-100, Jan 71
Mouse virulence of Salmonella strains: the effect of different smooth-type O side-chains. Valtonen VV.
J Gen Microbiol 64:255-68, Dec 70
The virulence for mice of Salmonella typhimurium T1 mutants. Ruschmann E, et al.
Zentralbl Bakteriol [Orig] 216:185-92, 1971
[Minimal lethal doses depending on the entry of the infection] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:105-10, 1969 (Bul)
[Genetic resistance of inbred mice to Salmonella typhimurium] Gröschel D.
Zentralbl Bakteriol [Orig] 215:441-8, 1970 (Ger)
[A simple method for virulence determination of inflammation-inducing bacteria] Rotter M, et al.
Zentralbl Bakteriol [Orig] 216:517-26, 1971 (Ger)
[Virulence of rifampicin-resistant mutants of bacteria] Watanabe T, et al.
Jap J Bacteriol 26:192-9, Jun 71 (Jap)

PHYSIOLOGY

A note on the development of resistance to heat and gamma radiation in Salmonella. Corry JE, et al.
J Appl Bacteriol 33:733-7, Dec 70

RADIATION EFFECTS

Differences between Escherichia coli B-r and Salmonella typhimurium LT-2 in the sedimentation behavior of the deoxyribonucleic acid synthesized after x-irradiation. Hudnik-Plevnik TA, et al.
J Bacteriol 106:1043-6, Jun 71
Mapping of the uvr gene of Salmonella typhimurium. Andreeva IV, et al. Mutat Res 10:505-8, Nov 70

SALMONELLA TYPHOSA (B3)

Inefficiency of genetic recombination in hybrids between Escherichia coli and Salmonella typhosa. Johnson EM, et al. J Bacteriol 106:243-9, Apr 71
Conservation and transfer of Escherichia coli genetic segments by partial diploid Hfr strains of Salmonella typhosa. Johnson EM, et al.
J Bacteriol 104:668-73, Nov 70
[Lysogenic conversion of O1 antigen of Salmonella] Chomiczewski J, et al.
Arch Roum Pathol Exp Microbiol 28:934-8, Dec 69 (Fre)
[Is the behavior of the anti-diphtheric phage 951 "L" similar to that of the phage Vi II of Salmonella typhi?] Maximesco P, et al.
Arch Roum Pathol Exp Microbiol 28:1059-68, Dec 69 (Fre)
[Lysogenicity and lysosensitivity of strains of Salmonella cholerae-suis and Salmonella typhi-suis] Milch H, et al.
Arch Roum Pathol Exp Microbiol 28:1003-14, Dec 69 (Fre)
[Comparative distribution of Salmonella typhi lysotypes identified from 1964 to 1968 in South-East Asia (Cambodia and South Vietnam) in Europe and in North Africa] Son Sok KH, et al.
Med Trop (Mars) 29:689-93, Nov-Dec 69 (Fre)
[Preparation of anti-H-salmonella agglutinating serums] Vlădoianu IR, et al.
Progr Immunobiol Stand 4:571-4, 1970 (Fre)
[Chronic carriers] Congiu A, et al.
Ig Mod 62:557-61, 1969 (Ita)
[Study of the interaction of Salmonella typhosa with lymphocytes in a culture of peripheral blood leukocytes of nonimmune persons and chronic typhoid carriers] Bondarenko VM, et al.
Vestn Akad Med Nauk SSSR 25:78-84, 1970 (Rus)
[Immunologic basis for typhoid carrier state formation and methods of prevention] Bunin KV.
Zh Mikrobiol Epidemiol Immunobiol 47:5-10, Sep 70 (Rus)
[Phagocytosis of S. typhi in tissue culture] Krotkova MR.
Zh Mikrobiol Epidemiol Immunobiol 48:22-6, Jun 71 (Rus)
[Use of a Chlorella protein hydrolysate for labelling typhoid bacteria and E. coli with radioactive carbon] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:61-3, Mar 70 (Rus)

ANALYSIS

[The amino acid composition of cultures of S. typhi and S. paratyphi A and B] Khatuntseva NV, et al.
Biull Eksp Biol Med 67:81-4, Jun 69 (Rus)

CLASSIFICATION

Phage typing of Salmonella typhi and S. paratyphi A related to salmonellosis in Egypt. Hablas R, et al.
J Egypt Public Health Assoc 45:134-44, 1970
Phage typing of the typhoid bacillus. Nicolle P.
J Egypt Public Health Assoc 45:119-33, 1970
[Use in typhoid epidemiology, of the diversity of typhoid bacilli. 3. Chemotypes of Salmonella typhi according to Kristensen] Nicolle P, et al.
Bull Acad Nati Med (Paris) 154:708-14, 20 Oct 70 (Fre)
[Comparative phage- and colicin-type characteristics of typhoid and paratyphoid B strains circulating in Eastern Siberia] Bushueva SI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:38-41, May 71 (Rus)
[Phage typing of typhoid and paratyphoid B bacteria isolated from chronic carriers] Matushkina AP.
Zh Mikrobiol Epidemiol Immunobiol 48:109-12, May 71 (Rus)

DRUG EFFECTS

Activity of distamycin A on the transfer of drug resistance in gram-negative clinical isolates. Sanfilippo A. Ann NY Acad Sci 182:322-8, 11 Jun 71
[Transmissible multiple drug resistance of Enterobacteria] Leplia ES.
Antibiotiki 16:270-3, Mar 71 (Rus)

ENZYMOLOGY

[The deoxyribonuclease of typhoid bacteria] Nechmireva TS.
Zh Mikrobiol Epidemiol Immunobiol 47:37-9, Dec 70 (Rus)

GROWTH & DEVELOPMENT

[Colorimetry of the dry weight of bacterial cultures. II. Applicability of the colorimetric method to determination of dry residue for analysis of typhoid cultures] Chalenko VG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:45-50, Mar 70 (Rus)
[Content of macromolecular compounds in continous cultivation of typhoid bacteria. I. Relation between the rate of cell division and cell content of DNA, RNA and protein] Mel'nikova VA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:62-6, May 71 (Rus)
[Beginning of cell division in an enterobacteria population] Zhdanova LG, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:27-31, Mar 71 (Rus)

IMMUNOLOGY

Effects of Friend leukemia virus on the immune response of mice to bacterial antigens. Flickinger JT, et al. Can J Microbiol 16:741-5, Aug 70
Studies on cellular immunity to Salmonella typhi in vitro. Kamzolkina NB, et al.
Folia Microbiol (Praha) 16:65-73, 1971
Antigenic structure and virulence of Salmonella typhi. Belaya JA.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:263-73, 1970
Some regularities of antibody formation in mice immunized by salmonella cell fractions. Stanislavsky ES, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:9-22, 1971
[Complex experimental study on anti-Salmonella typhi vaccination. Protective property of human and rabbit serums for the mouse and chick embryo] Dimache G, et al. Ann Inst Pasteur (Paris) 120:817-29, Jun 71 (Fre)
[Chemical-antibiotic treatment and Widal's reactions. Statistical research on typhoid fever] Gorini P, et al.
G Mal Infett Parassit 22:638-9, Sep 70 (Ita)
[Reaction of passive hemagglutination tests with antigens O and Vi of Salmonella typhi in the diagnosis of typhoid fever and carrier state of Salmonella typhi] Prokopowicz D. Wiad Lek 23:1607-12, 15 Sep 70 (Pol)
[Use of Vi hemagglutination in epidemiological practice] Kazachkova EI, et al.
Lab Delo 11:693-5, 1970 (Rus)
[Immunoelectrophoretic analysis of the antigenic complex S. typhi Ty 2] Bogdanova VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:25-8, Apr 70 (Rus)
[Immunologic paralysis. II. Dynamics of spontaneous regeneration of immunologic reactivity in mice paralyzed with typhoid Vi-polysaccharide] Levenson VI.
Zh Mikrobiol Epidemiol Immunobiol 48:18-22, Jun 71 (Rus)
[Mechanism of reducing the toxicity of O-antigen of typhoid bacteria. I. Comparative study of O-antigen preparations with different toxicity] Stupina EV.
Zh Mikrobiol Epidemiol Immunobiol 47:115-9, Nov 70 (Rus)
[Mechanism of reduction of toxicity of the O-antigen of typhoid bacteria. II. Comparative study of individual components of the O-antigen complex before and after detoxification] Stupina EV.
Zh Mikrobiol Epidemiol Immunobiol 48:23-8, Jan 71 (Rus)
[Possibility of sterilizing antigen preparations from typhoid bacteria by ionizing radiation] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:126-5, Apr 71 (Rus)

ISOLATION & PURIFICATION

Isolation of Salmonella typhi from an amebic liver abscess. Report of a case. Mansharamani GG, et al.
Indian J Med Sci 25:96-9, Feb 71
Comparative efficiency and application of blood culture techniques for enteric fever diagnosis. Sanborn WR, et al.
J Egypt Public Health Assoc 45:181-94, 1970
Salmonella typhi spondylitis: an unusual presentation. Schweitzer G, et al. S Afr Med J 45:126-8, 30 Jan 71
[Liver hydatid cyst secondarily infected with Eberth bacillus] Soussi C, et al.
Maroc Med 535:318-9, May 70 (Fre)
[Problem of chronic typhoid and paratyphoid carriers from the sociological and epidemiologic viewpoint] Fiedler K.
Z Aerztl Fortbild (Jena) 64:1230-4, 1 Dec 70 (Ger)
[Unusual clinical course of a laboratory infection caused by Salmonella typhi] Albrecht J.
Zentralbl Bakteriol [Orig] 204:299-301, 1967 (Ger)
[Recurrence of typhoid fever in carriers of typhoid bacilli] Ellert-Zygadlowska J.
Przegl Epidemiol 25:147-51, 1971 (Pol)
[Chronic carrier state of Salmonella typhi and passive hemagglutination reaction after chloromycetin therapy] Prokopowicz D, et al.
Przegl Lek 27:265-7, 1971 (Pol)
[Lung abscess caused by Salmonella typhi] Czarnecki L, et al. Wiad Lek 24:1073-7, 15 Jun 71 (Pol)
[Unusual localizations of Salmonella typhi in patients with typhoid fever] Laban J, et al.
Srp Arh Celok Lek 98:643-7, Apr 70 (Ser)
[Rare localizations of Salmonella typhi in typhoid patients] Laban J, et al.
Srp Arh Celok Lek 98:301-5, Feb 70 (Ser)
[Pathogenesis of the chronic biliary carriers of S. typhi and S. paratyphi B] Cernák P.
Bratisl Lek Listy 55:424-43, 1971 (Slo)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

Metabolism of glucose-I-14C and glucose-6-14C by Salmonella typhi and S. paratyphi A under stationary and shaking conditions. Modak MJ, et al. Indian J Exp Biol 9:86-7, Jan 71

PATHOGENICITY

Pathogenesis of typhoid fever. Hornick RB. J Egypt Public Health Assoc 45:247-59, 1970

SALMONIDAE (B2)

Vibriosis (Vibrio anguillarum) as an epizootic disease in rainbow trout (Salmo gairdneri). Holt G. Acta Vet Scand 11:600-3, 1970

Studies on the functional properties of fish hemoglobins. II. The oxygen equilibrium of the isolated hemoglobin components from trout blood. Binotti I, et al. Arch Biochem Biophys 142:274-80, Jan 71

The sub-unit composition of the haemoglobins of the Atlantic salmon (Salmo salar L.). Wilkins NP. Biochim Biophys Acta 214:52-63, 27 Jul 70

Modern data on the distribution and biology of Myxosoma cerebralis (Protozoa, Chidosporidia) as agent of whirling disease of salmonids. Bogdanova EA. Bull Off Int Epizoot 69:1499-506, Sep-Oct 68

Ulcerative dermal necrosis (UDN) of salmon: description, aetiology and differential diagnosis. Carbery JI. Bull Off Int Epizoot 69:1401-10, Sep-Oct 68

Observations on a type of gill disease in Atlantic salmon (Salmo salar L.). Johansson N. Bull Off Int Epizoot 69:1385-9, Sep-Oct 68

Smolt production of the Swedish State Power Board and the economical importance of diseases. Montén E. Bull Off Int Epizoot 69:1687-90, Sep-Oct 68

Observations on rainbow trout ovary cells infected with amphibian virus (LT-1). Li MF, et al. Can J Microbiol 16:642-5, Jul 70

Effects of feeding coho salmon and other Great Lakes fish on mink reproduction. Aulerich RJ, et al. Can J Zool 49:611-6, May 71

Locomotor activity responses in juvenile sockeye salmon, Oncorhynchus nerka, to melatonin and serotonin. Byrne JE. Can J Zool 48:1425-7, Nov 70

Nest digging behavior of rainbow trout (Salmo gairdneri). Hartman GF. Can J Zool 48:1458-62, Nov 70

Furunculosis in the redspot salmon (Oncorhynchus rhodurus) and other salmonids in holding tanks. Ankeli GO. Can Vet J 12:136, Jun 71

Promotion of aflatoxin-induced hepatoma growth in trout by methyl malvalate and sterculate. Lee DJ, et al. Cancer Res 31:960-3, Jul 71

Potassium, sodium, magnesium and calcium contents of Chinook salmon tissues during various stages of the life cycle. Snodgrass PJ, et al. Comp Biochem Physiol 38:99-119, 1 Jan 71

Phosphoglucomutase polymorphism in sockeye salmon. Utter FM, et al. Comp Biochem Physiol 36:195-9, 1 Sep 70

Quantitative aspects of glucose catabolism by rainbow and lake trout ocular tissues including alterations resulting from various pathological conditions. Hoffert JR, et al. Exp Eye Res 10:263-72, Oct 70

Isolation and amino acid sequence of neurohypophyseal hormones of Pacific chinook salmon (Oncorhynchus tschawytscha). Wilson N, et al. Gen Comp Endocrinol 13:412-24, Dec 69

Tryptophanase-positive bacteria in the marine environment. Klug MJ, et al. J Bacteriol 106:283-5, Apr 71

Glucose (hexose 6-phosphate) dehydrogenase in liver of rainbow trout. Shatton JB, et al. J Biol Chem 246:4878-85, 10 Aug 71

Pleiotropic effects of the gene for golden color in rainbow trout. Clark FH. J Hered 61:8-10, Jan-Feb 70

Effect of the "salmon poisoning" trematode, Nanophyetus salmincola, on the swimming ability of juvenile salmonid fishes. Butler JA, et al. J Parasitol 57:860-5, Aug 71

New laboratory. Nature (Lond) 229:445, 12 Feb 71

Observations on blood parameters of brown trout with ulcerative dermal necrosis. Carbery JT. Res Vet Sci 11:491-3, Sep 70

Scotopic visual pigments in the albino brook trout Salvelinus fontinalis. Ali MA, et al. Rev Can Biol 29:153-6, Jun 70

Changes in the ERG components of the landlocked salmon (Salmo salar ouananiche, McCarthy) during dark- and light-adaptation. Gramoni R, et al. Rev Can Biol 29:35-47, Mar 70

Trematode cataract in fresh-water fish. Ashton N, et al. Trans Ophthalmol Soc UK 89:263-78, 1970

Correlation between total serum protein and albumin-globulin ratio in malnourished brown trout. Carbery JT. Vet Rec 87:175, 8 Aug 70

Distribution and evolution of visual pigments in salmonid fishes. Bridges CD, et al. Vision Res 10:609-26, Aug 70

[Ultimobranchial body of the salmon Salmo Salar L. Histophysiologic study at different stage of its life cycle in fresh water] Deville J, et al. Arch Anat Microsc Morphol Exp 59:393-402, Oct-Dec 70 (Fre)

[Nephrocalcinosis of rainbow trout (Salmo irideus, Gibbons, 1855)] Besse P, et al. Bull Off Int Epizoot 69:1391-9, Sep-Oct 68 (Fre)

[Enzootic disease of trout, Salmo trutta, in the Vistula] Grabda E, et al. Bull Off Int Epizoot 69:1507-15, Sep-Oct 68 (Fre)

[The appearance of epizootics in industrial hatcheries of trout and carp fed with dry provisions] Liebmann H. Bull Off Int Epizoot 69:1411-30, Sep-Oct 68 (Fre)

[Demonstration of the action of porcine calcitonin on bone of the trout Salmo gairdnerii subjected to a demineralizing treatment] Lopez E, et al. C R Acad Sci [D] (Paris) 272:2600-3, 17 May 71 (Fre)

[Permeability of trout (Salmo trutta fario) erythrocytes to non-electrolytes] Bolis L, et al. Boll Soc Ital Biol Sper 46:652-5, 15 Aug 70 (Ita)

[A new type of Diphyllobothria plerocercoids from salmon of Kamchatka] Gorman-Kadoshnikov PB, et al. Med Parazitol (Mosk) 39:237-9, Mar-Apr 70 (Rus)

[Effect of C14 on hatching of whitefish larvae from roe] Fedorova GV. Vestn Leningr Univ [Biol] 4:45-9, 1968 (Rus)

ANALYSIS

Residues of total mercury and methylmercuric salts in lake trout as a function of age. Bache CA, et al. Science 172:951-2, 28 May 71

ANATOMY & HISTOLOGY

The functional morphology of the gas bladder of the genus Salmo. Fahlén G. Acta Anat (Basel) 78:161-84, 1971

Identification and distribution of the Leydig cell homolog in the testis of sexually mature Atlantic salmon (Salmo salar). O'Halloran MJ, et al. Gen Comp Endocrinol 15:361-4, Oct 70

An argyrophil fibrillar system and amitotic nuclear division in pars intermedia cells of the rainbow trout (Salmo irideus). Boddingius J. Z Zellforsch Mikrosk Anat 108:59-80, 1970

Ultrastructure of the physostomatous swimbladder of Rainbow trout (Salmo gairdneri). Brooks RE. Z Zellforsch Mikrosk Anat 108:473-83, 1970

CLASSIFICATION

Geographical variation in the Atlantic salmon. Payne RH, et al. Nature (Lond) 231:250-2, 28 Mar 71

DRUG EFFECTS

II. Sublethal effects and changes in ecosystems. Assessment of the effects of pollutants on physiology and behaviour. Anderson JM. Proc R Soc Lond [Biol] 177:307-20, 13 Apr 71

Time-dependent changes in toxicity of rotenone dispersions to trout. Loeb HA, et al. Toxicol Appl Pharmacol 17:605-14, Nov 70

EMBRYOLOGY

Studies of metabolism in embryonic development. 3. Glycogenolysis add gluconeogenesis in trout embryos. Terner C. Comp Biochem Physiol 25:989-1003, Jun 68

[The ultimobranchial body of the salmon, Salmo salar L. Histophysiological study at various stages of its life cycle in fresh water] Deville J, et al. C R Acad Sci [D] (Paris) 270:2347-50, 11 May 70 (Fre)

[Relative length of certain processes of early embryogeny in salmonidae] Ignat'eva GM. Dokl Akad Nauk SSSR 188:1418-21, 21 Oct 69 (Rus)

[Sensitivity of fish to high temperature during embryogenesis. II. Nature of the sensitivity changes of developing spawn, its evaluation by different methods and possible ecological significance of these changes] Gorodilov IuN. Tsitologiia 11:366-76, 1969 (Rus)

ENZYMOLOGY

Multiple forms of supernatant malate dehydrogenase in salmonid fishes. Bailey GS, et al. J Biol Chem 245:5927-40, 25 Nov 70

[Duplication and polymorphism of lactate dehydrogenase genes in Pacific Ocean salmon] Altukhov IuP, et al. Dokl Akad Nauk SSSR 195:711-4, 1970 (Rus)

GROWTH & DEVELOPMENT

Identification and quantification of the major androgens in testicular and peripheral plasma of Atlantic salmon (Salmo salar) during sexual maturation. Idler DR, et al. Gen Comp Endocrinol 16:257-67, Apr 71

[Modifications of certain free amino acid levels of brain and muscle of young Salmo salar L. during smoltification] Fontaine M, et al. C R Acad Sci [D] (Paris) 272:94-7, 4 Jan 71 (Fre)

[Morphology of the thymus at different stages of ontogenesis of the salmon] Belova AV. Dokl Akad Nauk SSSR 197:1214-5, 1971 (Rus)

[Age and growth of the common grayling (Thymallus thymallus L.) in the Nitra river basin] Sedlár J. Biologia (Bratisl) 25:821-9, 1970 (Slo)

IMMUNOLOGY

Antigenic relationships in a group of three viruses of salmonid fish by cross neutralization. McCain BB, et al. Proc Soc Exp Biol Med 137:1042-6, Jul 71

Antibody production without reactive proliferation of pyroninophilic cells in rainbow trout and African clawed toad. Mitsuhashi S, et al. Tohoku J Exp Med 103:7-10, Jan 71

METABOLISM

Tissue levels of chloramphenicol attained in sockeye (Oncorhynchus nerka) and coho (O. kisutch) salmon by feeding. Evelyn TP. Bull Off Int Epizoot 69:1453-63, Sep-Oct 68

Terramycin and sulphamerazine residues in muscle tissue and interior organs of rainbow trout after oral drug treatment. Silvén L, et al. Bull Off Int Epizoot 69:1465-74, Sep-Oct 68

Ion fluxes across normal and diamox-treated brook trout gas bladders. Graham CR Jr, et al. Comp Biochem Physiol 38:489-96, 1 Mar 71

Steroid transformations by the corpuscles of Stannius and the body kidney of Salmo gairdnerii (Teleostei). Colombo L, et al. Gen Comp Endocrinol 16:74-84, Feb 71

Histochemical and experimental studies of 5-hydroxytryptamine in pineal organs of teleosts (Salmo gairdneri and Atherinopsis californiensis). Hafeez MA, et al. Gen Comp Endocrinol 13:211-7, Oct 69

Identification and quantification of the major androgens in testicular and peripheral plasma of Atlantic salmon (Salmo salar) during sexual maturation. Idler DR, et al. Gen Comp Endocrinol 16:257-67, Apr 71

[Immunoelectrophoretic study of serum proteins and soluble proteins of muscular tissue of breeding rainbow trout (Salmo Gairdnerii Rich.)] Gras J, et al. C R Soc Biol (Paris) 164:1535-8, 1970 (Fre)

[Urea as a source of nutrient nitrogen for rainbow trout (Salmo irideus Gib)] Kniazeva LM. Dokl Akad Nauk SSSR 195:249-51, 1970 (Rus)

PHYSIOLOGY

Sensory mechanisms of homing in salmonids: a comment. Peters M. Behaviour 39:18-9, 1971

Influence of acclimation temperature on rate constants for thyroid uptake of iodide by brook trout, Salvelinus fontinalis (Mitchill). Smith CD, et al. Can J Zool 49:783-6, May 71

Oxygen dissociation characteristics of the blood of the rainbow trout, Salmo gairdneri. Cameron JN. Comp Biochem Physiol 38:699-704, 1 Mar 71

Hematological effects of Dennison tagging upon juvenile pink salmon (Oncorhynchus gorbuscha). Cardwell RD, et al. Comp Biochem Physiol 38:497-508, 1 Mar 71

Biliary excretion of 3,5,3'-triiodo-L-thyronine-125-I by the brook trout, Salvelinus fontinalis (Mitchill). Eales JG, et al. Gen Comp Endocrinol 16:169-75, Apr 71

Changes in oxytocic activity of the hypophysis during sexual maturation of Pacific salmon, Oncorhynchus tschawytscha. Wilson N, et al. Gen Comp Endocrinol 16:395-7, Apr 71

Water flow and gas exchange at the gills of rainbow trout, Salmo gairdneri. Davis JC, et al. J Exp Biol 54:1-18, Feb 71

Oxygen uptake and transport by the rainbow trout during exposure to carbon monoxide. Holeton GF. J Exp Biol 54:239-54, Feb 71

Responses of the respiratory pumps to hypoxia in the rainbow trout (Salmo gairdneri). Hughes GM, et al. J Exp Biol 53:529-45, Dec 70

On the mechanisms of sodium ion transport by the irrigated gills of rainbow trout (Salmo gairdneri). Kerstetter TH, et al. J Gen Physiol 58:342-59, Sep 70

[Realization and trial of completely implantable microemitters intended for telemetric recording of the ECG and lower jaw movements in trout] Banville B, et al. J Physiol (Paris) 1:Suppl 1:83, 1969 (Fre)

[Unitary visual responses in the trout; preliminary results] Galand G, et al. J Physiol (Paris) 1:Suppl 1:132-3, 1969 (Fre)

[Determination of the distribution curve and circulating blood volume of the trout Salmo Gairdneri Rich by the isotope dilution method, using 131-I and 51-Cr. Influence of sexual maturity on blood cell composition and relative wet weight of certain organs] Huggel HJ, et al. J Physiol (Paris) 61:145-54, Mar-Apr 69 (Fre)

[Action of PO2 on afferent nerve activity arising from the pseudobranch of a teleost] Laurent P, et al. J Physiol (Paris) 1:Suppl 1:145, 1969 (Fre)

[Phenomena of convergence at the level of certain

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

visual units of the CNS in trout] Liège B, et al.
J Physiol (Paris) 62:Suppl 3:405-6, 1970 (Fre)
[Correlation between sodium reabsorption and magnesium secretion in the Salmonidae kidney] Natochin IuV, et al.
Dokl Akad Nauk SSSR 186:732-5, May 69 (Rus)
[Structure and function of the thyroid gland in females of the Lapland whitefish (Coregonus laveretus L.) during yearly and non-yearly spawning] Zaftsev AV.
Dokl Akad Nauk SSSR 198:1228-31, 1971 (Rus)

SALPINGITIS (C6)

Pelvic inflammatory disease. Rankin JS.
Med Treat 7:756-78, Jul 70 (22 ref.)
[Current status of non-tuberculous adnexal infections] Henry-Suchet J, et al.
Gynecol Obstet (Paris) 69:435-43, Nov-Dec 70 (Fre)

BLOOD

Increased serum levels of IgM in acute salpingitis related to the occurrence of Mycoplasma hominis. Mårdh PA.
Acta Pathol Microbiol Scand [B] 78:726-32, 1970

CHEMICALLY INDUCED

[Effect of chymotrypsin on the course of inflammation process under experimental conditions] Zadorozhna TD, et al.
Pediatr Akush Ginekol 1:50-2, Jan-Feb 70 (Ukr)

COMPLICATIONS

The effects of schistosomiasis on the fallopian tubes in the African female. Bland KG, et al.
J Obstet Gynaecol Br Commonw 77:1024-7, Nov 70

DRUG THERAPY

[Influence of estradiol on the experimental oviduct inflammation] Jaworski S, et al.
Zentralbl Gynaekol 92:1628-35, 5 Dec 70 (Ger)
[Ampicillin in the treatment of gonorrheal salpingitis] Hedberg E, et al.
Lakartidningen 68:335-40, 20 Jan 71 (Swe)

ETIOLOGY

[Non-traumatic complications in proctoscopy] Nocuń P, et al. Przegl Lek 26:877-8, 1970 (Pol)

THERAPY

Experience with hydrotubation in 909 patients. Ascenzo-Cabello J, et al.
Int J Fertil 16:47-52, Jan-Mar 71
Treatment of occluded tubes by hydrotubation. Report of 94 cases of hydrotubation. Fuchs K, et al.
Int J Fertil 16:15-8, Jan-Mar 71

SALPINGOGRAPHY see

HYSTEROSALPINGOGRAPHY (E1)

SALT GLAND (A13)

ANALYSIS

Intracellular concentrations of sodium, potassium and chloride in the salt-gland of the domestic goose and their relation to the secretory mechanism. Peaker M.
J Physiol (Lond) 213:399-410, Mar 71

BLOOD SUPPLY

Avian salt-gland blood flow and the extraction of ions from the liasma. Hanwell A, et al.
J Physiol (Lond) 207:83P-84P, Apr 70
Salt-gland secretion and blood flow in the goose. Hanwell A, et al. J Physiol (Lond) 213:373-87, Mar 71

CYTOLOGY

The ultrastructure of the lachrymal 'salt' gland and the Harderain gland in the euryhaline Malaclemys and some closely related stenohaline emydines. Cowan FB. Can J Zool 49:691-7, May 71

DRUG EFFECTS

Effects of arginine vasotocin on the salt gland of the goose, Anser anser. Peaker M.
J Endocrinol 49:xxvi+, Mar 71
The effects of corticotrophin, glucose and potassium chloride on secretion by the nasal salt gland of the duck, Anas platyrhynchos. Peaker M, et al.
J Endocrinol 50:293-9, Jun 71

PHYSIOLOGY

Relation between ribosomes and functional growth in the avian nasal gland. Stewart DJ, et al.
Am J Physiol 219:1819-24, Dec 70

SECRETION

The possible role of the thyroid in extrarenal secretion following a hypertonic saline load in the duck (Anas platyrhynchos). Ensor DM, et al.
J Endocrinol 46:x, Feb 70
Salt-gland function in the domestic goose. Hanwell A, et al. J Physiol (Lond) 210:97P-99P, Sep 70
Salt-gland secretion and blood flow in the goose. Hanwell A, et al. J Physiol (Lond) 213:373-87, Mar 71
The location and nature of the receptors for secretion by the salt gland of the goose. Hanwell A, et al.
J Physiol (Lond) 216:28P-29P, Jul 71

SALTS (D1)

Partition of salts and their effects on partition of proteins in a dextran-poly (ethylene glycol)-water two-phase system. Johansson G.
Biochim Biophys Acta 221:387-90, 17 Nov 70
The effects of aqueous neutral-salt solutions on the melting temperatures of deoxyribonucleic acids. Gruenwedel DW, et al. Biopolymers 10:47-68, 1971
The effect of neutral salts on gelatin and peptides containing L-proline. Katsura I, et al.
J Biochem (Tokyo) 68:923-7, Dec 70
Effect of salts on the N-F transition of bovine plasma albumin. Sogami M.
J Biochem (Tokyo) 69:819-22, Apr 71
Effects of salts and organic solvents on the activity of citrate synthase. Wu JY, et al.
J Biol Chem 245:3561-4, 25 Jul 70
The effect of salts on the derivatization and chromatography of amino acids. Gehrke CW, et al.
J Chromatogr 53:195-200, Dec 70
Salt induces changes of turbidity and volume of E. coli. Knowles CJ. Nature [New Biol] 229:154-5, 3 Feb 71
[Fresh water requirements and the desalting of seawater] Veylon R.
Presse Med 78:2342-3, 5 Dec 70 (Fre)
[The orientation of oxidation of 7-hydroxy-2,3-diphenylbenzofuran and-benzo [b]-thiophene with Fremy's salt. The studies on the heterocyclic quinones. II] Ishii H, et al.
J Pharm Soc Jap 90:1283-9, Oct 70 (Jap)
[The orientation of oxidation of 7-hydroxy-2- and -3-phenylbenzo (b) thiophenes with Fremy's salt. (The steric effect of 3-phenyl substituent). The studies on the heterocyclic quinones. 3] Ishii H, et al.
J Pharm Soc Jap 90:1290-7, Oct 70 (Jap)
[The nuclear magnetic resonance of some heterocyclic quinones and related compounds. (The orientation of oxidation of 4-hydroxy-2-phenyl-benzoxazole and 1-hydroxydibenzo-p-dioxin with the Fremy's salt). Studies on heterocyclic quinones. IV] Ishii H, et al.
J Pharm Soc Jap 90:1298-304, Oct 70 (Jap)
[The orientation of oxidation of 2,3-diphenyl-7-hydroxyindole and its N-methyl derivative with the Fremy's salt. Studies on the heterocyclic quinones. I] Mitsui H, et al.
J Pharm Soc Jap 90:1275-82, Oct 70 (Jap)
[Study of the mechanism of fibrin polymerization using neutral salts] Lugovskof EV, et al.
Biokhimiia 36:129-37, Jan-Feb 71 (Rus)
[Hygienic aspects of water desalination] Cherkinskiĭ SN, et al. Gig Sanit 35:74-9, Mar 70 (24 ref.) (Rus)
[Comparative toxicity of oil-soluble salts of dicyclohexylamine] Paustovskaia VV, et al.
Gig Sanit 35:109-11, Apr 70 (Rus)

ADMINISTRATION & DOSAGE

Analgesia scores as timed responses following oral administration of propoxyphene to postpartum patients. Gruber CM Jr, et al.
Toxicol Appl Pharmacol 19:504-11, Jul 71

ANALYSIS

Fluoride content of sea salt and denatl health. Rao RJ.
Am J Clin Nutr 24:895-6, Aug 71
[A sensitive measuring procedure for the radiological determination of the density of mineral salts in the spongiosa and compacta of the finger bone] Börner W, et al. Z Orthop 108:503-7, Nov 70 (Ger)
[Hygroscopic properties of different drug preparations of erythromycin] Kostareva MG.
Antibiotiki 16:312-5, 1971 (Rus)
[Direct conductometric determination of salts of weak bases and strong acids in aqueous solutions] Artamonov BP, et al.
Farmatsiia 20:36-41, Jan-Feb 71 (Rus)

METABOLISM

[In vitro steroidogenesis in ovarian tissue from normal children and from subjects with congenital adrenogenital syndrome without loss of salts] Bottiglioni F, et al.
Minerva Pediatr 22:2429-31, 8 Dec 70 (Ita)
[Comparative physiology of water and salt metabolism] Inoue T.
Saishin Igaku 26:281-9, 10 Feb 71 (38 ref.) (Jap)

PHARMACODYNAMICS

The mitotic apparatus of a giant ameba: solubility properties and induction of elongation. Goode D, et al.
Exp Cell Res 58:343-52, Dec 69
Effect of salts and pH on fish chemoreceptor responses. Hidaka I. Nature (Lond) 228:1102-3, 12 Dec 70
A comparative study of the effects of chronic administration of propoxyphene salts to normal volunteers. Kiplinger GF, et al.
Toxicol Appl Pharmacol 19:528-36, Jul 71
Comparison of the influence of spermidine and monovalent salts on RNA synthesis. Petersen EE, et al. Z Naturforsch [B] 25:1042-6, Sep 70
[Effect of glass walls on the development of certain yeasts in mineral medium. I. Relation to constituents of the medium] Beraud P.
Ann Inst Pasteur (Paris) 117:226-30, Aug 69 (Fre)
[Effect of monovalent cations on the dissociation of rat liver ribosomes. Properties of the subunits] Reboud AM, et al.
Biochim Biophys Acta 213:437-50, 8 Aug 70 (Fre)
[The effect of an ultrasonic-soleaerosol on pathogens and saprophytic germs suspended in the air] Kauf E, et al.
Arch Phys Ther (Leipz) 22:361-8, Nov-Dec 70 (Ger)
[Dependence of biochemical processes on the reaction of CO 2 fixation in chickens] Guiyi MF, et al.
Ukr Biokhim Zh 42:743-6, 1970 (Ukr)

THERAPEUTIC USE

The effectiveness and side-effect liability of propoxyphene hydrochloride and propoxyphene napsylate in patients with postpartum uterine cramping. Baptisti A Jr, et al.
Toxicol Appl Pharmacol 19:519-27, Jul 71
A comparative analgesia study of propoxyphene hydrochloride, propoxyphene napsylate, and placebo. Sunshine A, et al.
Toxicol Appl Pharmacol 19:512-8, Jul 71
[Goiter survey in elementary school students in Mendoza in 1968. Results of prevention with iodized salt] Staneloni LN.
Rev Clin Esp 117:29-38, Apr 70 (Spa)

TOXICITY

Acute toxicity of propoxyphene salts. Emmerson JL, et al. Toxicol Appl Pharmacol 19:445-51, Jul 71
Short-term toxicity of propoxyphene salts in rats and dogs. Emmerson JL, et al.
Toxicol Appl Pharmacol 19:452-70, Jul 71

SAMARIUM (D1)

ANALYSIS

Rare earths in the human body. II. Yttrium and lanthanides in the spleen. Eränetsä O, et al.
Ann Med Exp Biol Fenn 49:35-7, 1971

THERAPEUTIC USE

Efficiency of Phlogosam in the treatment of eczema. Wozniak KD. Ther Hung 18:111-2, 1970

SAMPLING STUDIES (E5)

see also related
HEALTH SURVEYS (N1)

Random repeat 24-hour dietary recalls. Balogh M, et al.
Am J Clin Nutr 24:304-10, Mar 71
Measurement of physical health in a general population survey. Belloc NB, et al.
Am J Epidemiol 93:328-36, May 71
Matched and unmatched: a comparison of two designs, with epidermiologic data. Currie JB.
Am J Epidemiol 93:315-6, May 71
Guidelines for status surveys utilizing the mailed questionnaire. Kannegieter RB.
Am J Occup Ther 25:19-23, Jan 71
Method of sampling in a study of older people with a comparison of respondents and non-respondents. Milne JS, et al. Br J Prev Soc Med 25:37-41, Feb 71
Patient follow-up in a long-term study. Dallas J.
Johns Hopkins Med J 128:244-51, May 71
A new survey technique and its application in the field of public health. Greenberg BG, et al.
Milbank Mem Fund Q 48:Suppl:39-55, Oct 70
Validity features of a mental health questionnaire. Fabrega H Jr, et al. Soc Sci Med 4:389-73, Dec 70
Estimation and sampling variance in the health interview survey. Bean JA.
Vital Health Stat 38:1-28, Jun 70
[Evaluation of the random sample size of epidemiological studies--a problem between generalizability and practicability] Heinemann L, et al. Z Aerztl Fortbild (Jena) 64:1077-82, 1 Nov 70 (Ger)
[Random studies of the incidence of diabetes in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rural population during the 2d half of life] Schneider H, et al. Z Gesamte Inn Med 25:809-11, 1 Sep 70 (Ger)
[Sample selection in biometric analysis] Béky J. Fogorv Sz 64:259-63, Jul 71 (Hun)
[Organization and methods of social hygiene studies] Notkin EL. Gig Sanit 36:47-51, 1971 (Rus)
[Method of designing epidemiologic experiments for studying the preventive action of gamma globulin in infectious hepatitis] Spotarenko SS. Zh Mikrobiol Epidemiol Immunobiol 48:37-42, Jun 71 (Rus)

SAND BATHS see under AMMOTHERAPY (E2)

SANDFLIES see PHLEBOTOMUS (B1)

SANDFLY FEVER see PAPPATACI FEVER (C1)

SANITARY ENGINEERING (G2, G3, J)

Sanitation for small northern communities: some problems and goals. Heinke GW. Can J Public Health 62:220-6, May-Jun 71
Health aspects of land disposal of municipal wastewater effluents. Krishnaswami SK. Can J Public Health 62:36-41, Jan-Feb 71
River quality management. Fish H. Chem Ind 12:313-6, 20 Mar 71
Pollution control engineering in hospitals. Ryckman DW, et al. Hosp Progr 52:58-63, Feb 71
In-place lining of small sewers. Bremner RM. J Water Pollut Control Fed 43:1444-56, Jul 71
Identification of filamentous microorganisms in activated sludge. Farquhar GJ, et al. J Water Pollut Control Fed 43:604-22, Apr 71
Source control of urban water pollution. Heaney JP, et al. J Water Pollut Control Fed 43:571-9, Apr 71
Design and operation of an extended aeration plant. Pillai NN, et al. J Water Pollut Control Fed 43:1484-98, Jul 71
Deep-well injection of wastewater. Tofflemire TJ, et al. J Water Pollut Control Fed 43:1468-79, Jul 71
Cholera prophylaxis is plumbing and prosperity. Nature (Lond) 231:341, 11 Jun 71
Source reduction approaches. Compiano FA. Proc Pap Annu Conf Calif Mosq Control Assoc 38:83, 1970
Cost analysis comparisons in mosquito source reduction. Husbands RC. Proc Pap Annu Conf Calif Mosq Control Assoc 38:83-8, 1970
Injection of dursban spray emulsion at half mile intervals controls mosquitoes and chironomid larvae in large drainage channels. Thompson AH, et al. Proc Pap Annu Conf Calif Mosq Control Assoc 38:76-8, 1970
Control of schistosomiasis mansoni in a small north east Brazilian community. Barbosa FS, et al. Trans R Soc Trop Med Hyg 65:206-13, 1971
The Calcutta Water and Sewerage Project. WHO Chron 25:35-6, Jan 71
[Improving sanitation and cholera prevention] Voelckel J. Med Trop (Mars) 31:133-44, Jan-Feb 71 (Fre)
[Epidemiologic aspects of veterinary medicine with regard to sewage from hospitals, abattoirs and carcass disposal installations] Aa R von der, et al. Monatsh Vet Med 24:761-9, 15 Oct 69 (Ger)
[The health engineer in public service] Lorenz G. Oeff Gesundheitswes 33:24-30, Jan 71 (Ger)
[Plankton and sanitary hydrobiology in tropical tanks with daphne and rotifers] De Oliveira LP, et al. Mem Inst Oswaldo Cruz 65:115-48, 1967 (Por)
[The "barrier" role of modern water purification works in relation to chemical ingredients] Cherkinskif SN, et al. Gig Sanit 35:15-8, Nov 70 (Rus)
[New installation of a minor sewer system] Goncharuk EI, et al. Gig Sanit 35:81-5, Jul 70 (Rus)
[Hygienic effectiveness of certain sanitation measures for the Belaia river] Murzakaev FG. Gig Sanit 35:85-7, Nov 70 (Rus)
[Sanitary protection of wells] Bravo Morate F, et al. Rev Sanid Hig Publica (Madr) 44:397-445, Apr 70 (Spa)

EDUCATION

Training the environmental technician. Austin JH, et al. Am J Public Health 60:2314-20, Dec 70
Wastewater treatment plant personnel: image and training. Laehy GJ. J Water Pollut Control Fed 43:1439-43, Jul 71
From sanitary engineering to environmental health: engineering education faces the future. WHO Chron 25:25-8, Jan 71
[Role and training of sanitary engineers] Izmerov NF, et al. Gig Sanit 35:93-7, Aug 70 (Rus)

HISTORY

Businessmen and public health in the urban south during the nineteenth century: New Orleans, Memphis, and Atlanta. Ellis JH. Bull Hist Med 44:346-71 concl, Jul-Aug 70
[Compulsory sanitation laws of the Moscow Zemstvo rural self-government organization] Rezanov II. Gig Sanit 35:49-51, Nov 70 (Rus)

INSTRUMENTATION

[Milieu doctor: one time dialysis, respirator and transfusion save decrepit lakes. Many patients on the waiting list] Soller B. Lakartidningen 67:4665-71, 7 Oct 70 (Swe)

SANITATION (G2, G3)

Environmental bacteriology as applied to a hospital. Underhill EE. Can J Med Technol 33:76-9, Apr 71
Sanitation for small northern communities: some problems and goals. Heinke GW. Can J Public Health 62:220-6, May-Jun 71
The disinfection of industrial and potable water supplies using ultraviolet radiation. Stiff FR. Chem Ind 4:116-20, 23 Jan 71
Hospital sanitation--past, present, and future. Leemhorst JW. Contam Control 9:12-22, Sep-Oct 70
Ultraclean hospital facilities: Five years of experience. Wentz R. Contam Control 9:30-4, Sep-Oct 70
A list of ultraclean U.S. hospital facilities. Contam Control 9:25-8, Sep-Oct 70
Ecology and environment. 3. Sanitation and housing for industrial workers. Janssens PG. J Trop Med Hyg 73:299-309, Nov 70
Observation of health and daily life in Surabaja city in Indonesia. Toda Y, et al. Kobe J Med Sci 16:119-30, Dec 70
Field medical problem. Recommendations concerning mess personnel hired from local villages. Milit Med 135:292 passim, Apr 70
Cholera prophylaxis is plumbing and prosperity. Nature (Lond) 231:341, 11 Jun 71
Pop--the festival challenge to local authorities. Nichols RJ. R Soc Health J 91:186-92, Jul-Aug 71
[Improving sanitation and cholera prevention] Voelckel J. Med Trop (Mars) 31:133-44, Jan-Feb 71 (Fre)
[Progress in the realization of minimal hygiene standards for kindergardens since September 27, 1963 in a county district in 1969] Kempke R. Z Gesamte Hyg 16:589-91, Aug 70 (Ger)
[On the hygienic and sanitary characteristics of an average town in the Marches. IV. The status of school buildings in Tolentino] Pellegrini MG, et al. Ig Mod 63:67-88, 1970 (Ita)
[Sanitary regulations in hospitals] Dino T. Policlinico [Prat] 77:1354-5, 19 Oct 70 (Ita)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. I. Experimental studies on the facility for treatment of night-soils attached to individual houses in Japan] Sassa H. J Kumamoto Med Soc 44:1248-64, 25 Dec 70 (Jap)
[Urgent problems of communal hygiene in the village] Kaliuzhnyi DN, et al. Gig Sanit 35:56-9, Aug 70 (Rus)
[New devices for washing and disinfecting milking machines] Beliaevskif IuI, et al. Veterinariia 8:29-33, Aug 70 (Rus)
[Means of disinfection in infectious mastitis of sheep] Safarov IuB, et al. Veterinariia 9:28-30, Sep 70 (Rus)
[Zoohygienic assessment of the system of removing manure] Semeniuta AT. Veterinariia 11:50-3, Nov 70 (Rus)
[Veterinary sanitation in remote farmlands] Vibe PP, et al. Veterinariia 7:28-30, Jul 70 (Rus)
[Experience in the use of an insecticide lacquer to exterminate red cockroaches on ships] Troshikhin KM, et al. Voen Med Zh 8:64-5, Aug 70 (Rus)
[Health inspection of business activities] Bravo Morate F. Rev Sanid Hig Publica (Madr) 44:625-37, Jun 70 (Spa)
[Bacteriologic control in the dining rooms of hospitals] Caballero Servín A, et al. Salud Publica Mex 11:661-7, Sep-Oct 69 (Spa)

HISTORY

Hygiene conditions in ancient Israel (iron age). Neufeld E. J Hist Med 25:414-37, Oct 70
[The urban hygiene of the city of Torino at the dawn of the 19th century] Turco GC. G Batteriol Virol Immunol 63:395-401, Jul-Aug 70 (Ita)

SANSERT see METHYSERGIDE (D2, D5)

SANTONIN (D3)

A possible role for chemically-produced excited states in biology. White EH, et al. Biochem Biophys Res Commun 39:1219-23, 1970

POISONING

Hemolytic crisis in a patient treated with santonin: possible santonin poisoning. Oldham RR, et al. South Med J 64:480-2, Apr 71

SAO PAULO TYPHUS see under ROCKY MOUNTAIN SPOTTED FEVER (C1)

SAPHENOUS VEIN (A7)

[Migrating and recurrent superficial thrombophlebitis] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 76:847-9, 1969 (Fre)
[2 cases of recurrent venous thrombosis] Hutinel B. Phlebologie 23:219-20, Jul-Sep 70 (Fre)

ANATOMY & HISTOLOGY

[Variable anatomic topography and the surgery of varicose veins] Aloisio R. Phlebologie 23:329-33, Oct-Dec 70 (Fre)
[Variation in the course of the great saphenous vein of the shin] Miaśkiewicz C, et al. Folia Morphol (Warsz) 29:427-34, 1970 (Pol)

BLOOD SUPPLY

[Jugdement of the post-thrombotic syndrome by peripheral venous blood pressure determination] Hansen G, et al. Hefte Unfallheilkd 107:151-4, 1970 (Ger)

DRUG EFFECTS

Venous responses to prostaglandin F2 alpha. Mark AL, et al. Am J Physiol 220:222-6, Jan 71
The effect of isoprenaline on adrenoceptors in human saphenous vein. Coupar IM. Br J Pharmacol 39:465-75, Jul 70

PHYSIOPATHOLOGY

[Venous insufficiency of the lower extremity. Pathophysiology, clinical examination and surgical therapy] Bjordal R. Tidsskr Nor Laegeforen 90:2082-8, 15 Nov 70 (Nor)

RADIOGRAPHY

Reversibility of femorosaphenous reflux. Quill RD, et al. Br J Surg 58:389-93, May 71

SURGERY

Coronary artery surgery--saphenous vein bypass. Burch GE. Am Heart J 82:137, Jul 71
Plea to save the thigh segment of the saphenous vein. Demos NJ. Angiology 22:428-9, Jul 71
1000 varicose vein operations. Present thoughts on proper treatment. Kutz CM. Angiology 22:14-7, Jan 71
Femoral-popliteal occlusive disease. Saphenous vein bypass grafts below the knee: analysis of 85 consecutive cases. Shore E, et al. Arch Surg 102:548-51, Jun 71
Emergency vein bypass for the pre-infarction syndrome. Vogel JH, et al. Chest 59:606-9, Jun 71
The "in-situ" vein bypass. Dundas P. J Cardiovasc Surg (Torino) 11:450-3, Nov-Dec 70
Popliteal artery exploration in aortographies with no lower limb vessels filling. Kuypers PJ, et al. J Cardiovasc Surg (Torino) 11:99-102, Mar-Apr 70
An alternative method for creation of an arteriovenous shunt. Troost FA, et al. J Cardiovasc Surg (Torino) 12:50-1, Jan-Feb 71
Hemostasis in saphenous phlebectomy. Yiavasis AA. Med Ann DC 39:573, Oct 70
Blood flow measurements in aorto-coronary artery saphenous vein bypass grafts. Mazzei EA, et al. Rev Surg 27:375, Sep-Oct 70
Axillofemoral bypass graft with saphenous, cephalic, and basilic veins. Stipa S. Surg Gynecol Obstet 133:297-300, Aug 71
The nonreversed saphenous vein bypass for femoral-popliteal occlusive disease. Connolly JE, et al. Surgery 68:602-9, Oct 70
Choice of saphenous vein segments for aortocoronary grafts. Green GE, et al. Surgery 69:924-7, Jun 71
Cross-over saphenous vein graft combined with a temporary femoral arteriovenous fistula. A case report. Dumanian AV, et al. Vasc Surg 2:116-22, Jun 68
Comparison of the long-term and short-term results of saphenous vein bypass grafts with distal attachments above and below the knee. Sabga GA, et al. Vasc Surg 2:135-48, Sep 68
[Installation of an atypical prosthetic arteriovenous shunt] Galy JC, et al. Bord Med 3:2267-8, Oct 70 (Fre)
[The hope for an enlarged unilateral leg in pelvic tumors: Palma operation] Pissanciel G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:63-4, Jan-Mar 71 (Fre)
[Saphenous transpositions in the treatment of segmental obstruction of the iliofemoral venous axis] Frileux C, et al. Chirurgie 97:107-16, 1971 (Fre)
[Internal saphenous by-pass: alternative to arteriovenous fistula for hemodialysis] That HT, et al. J Urol Nephrol (Paris) 76:863-7, Sep 70 (Fre)
[Variable anatomic topography and the surgery of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

varicose veins] Aloisio R.
Phlebologie 23:329-33, Oct-Dec 70 (Fre)
[Surgical treatment of the post-thrombotic syndrome] May R. Hefte Unfallheilkd 107:129-32, 1970 (Ger)
[On some cases of recurrent varicose veins] Fiordigiglio G, et al.
Arch Chir Torac Cardiovasc 27:75-87, Jan-Mar 70 (Ita)
[The femoral-pedal by-pass as an alternative to amputation of the lower limb] Deriu GP, et al.
Minerva Chir 26:53-8, 31 Jan 71 (Ita)
[Personal experiences in the treatment of priapism by anastomosis of the saphenous vein with the corpus cavernosum] Petronić V.
Srp Arh Celok Lek 98:711-9, May 70 (Ser)

TRANSPLANTATION

Roentgenographic appearance of aorto-coronary artery by-pass using a reversed saphenous vein. Baltaxe HA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:734-8, Dec 70
Reversibily of left ventricular dysfunction following aorto-coronary by-pass grafts. Saltiel J, et al.
Am J Roentgenol Radium Ther Nucl Med 110:739-46, Dec 70
Saphenous vein bypass grafts to the arteries of the ankle and foot. Baird RJ, et al.
Ann Surg 172:1059-63, Dec 70
Simultaneous valve replacement and aorta-to-coronary saphenous vein bypass. Flemma RJ, et al.
Ann Thorac Surg 12:163-70, Aug 71
Preoperative assessment of left ventricular function in patients selected for direct myocardial revascularization. Young WG JR, et al.
Ann Thorac Surg 11:395-402, May 71
Determinants of blood flow in aortic-coronary saphenous vein bypass grafts. Johnson WD, et al.
Arch Surg 101:806-10, Dec 70
Aneurysm of the hepatic artery: reconstruction with saphenous vein-graft. Rutten AP, et al.
Br J Surg 58:262-6, Apr 71
Resecting and grafting of coronary artery aneurysm. Ebert PA, et al. Circulation 43:593-8, Apr 71
Femoral-tibial bypass: salvage of ischemic lowerextremities with inadequate popliteal runoff. Fenn JE, et al. Conn Med 34:796-801, Nov 70
Comparative study of venous patches and bypasses in femoro popliteal arterial surgery. Bradley KJ, et al.
J Cardiovasc Surg (Torino) 12:27-9, Jan-Feb 71
Our present experience in bypass grafts between aorta and coronary arteries. Moulijn AC, et al.
J Cardiovasc Surg (Torino) 12:271-2, May-Jun 71
Saphenous, cephalic and basilic veins for axillo-femoral by-pass grafts. Stipa S.
J Cardiovasc Surg (Torino) 12:30-2, Jan-Feb 71
Aortocoronary bypass grafting: an improved method for treatment of coronary occlusive disease. Pearce CW, et al. J La State Med Soc 122:327-31, Nov 70
Present status of myocardial revascularization. Ochsner JL, et al.
J Miss State Med Assoc 12:337-43, Jul 71
Revascularization for upper extremity ischemia. Allgood RJ, et al.
J Okla State Med Assoc 63:56-8, Feb 70
Severe segmental obstruction of the left main coronary artery and its divisions. Surgical treatment by the saphenous vein graft technique. Favaloro RG, et al.
J Thorac Cardiovasc Surg 60:469-82, Oct 70
Ascending aorta-to-coronary artery saphenous vein bypass grafts. Mitchel BF, et al.
J Thorac Cardiovasc Surg 60:457-68, Oct 70
Emergency treatment of cardiac arrest in CHD with coronary bypass graft. Hutchinson JE 3d, et al.
JAMA 216:1645, 7 Jun 71
Aortic coronary bypass. A review of 72 cases. Garamella JJ, et al. Minn Med 53:1227-32, Dec 70
Anatomic assessment of operability by the saphenous-vein bypass operation in coronary-artery disease. Berger RL, et al.
N Engl J Med 285:248-52, 29 Jul 71
Coronary artery surgery--the vein bypass graft. Reese HE, et al. Nebr State Med J 56:19-25, Jan 71
The nonreversed saphenous vein bypass for femoral-popliteal occlusive disease. Connolly JE, et al.
Surgery 68:602-9, Oct 70
Spontaneous necrosis of a functioning saphenous vein graft. Friedman SA, et al. Surgery 66:1022-5, Dec 69
The saphenous vein bypas graft in the treatment of renovascular hypertension. Straffon RA, et al.
Trans Am Assoc Genitourin Surg 62:47-58, 1970
Extremity salvage: vein by-pass to the ankle level and beyond. Foster RP, et al. Vasc Surg 5:12-20, Jan-Feb 71
Living homologous saphenous vein in geriatric femoropopliteal bypass grafting--report of a case. Jackson DR. Vasc Surg 5:6-11, Jan-Feb 71
Internal arteriovenous anastomoses for hemodialysis: technical modifications and results of two years' experience. Mozes M, et al.
Vasc Surg 5:21-6, Jan-Feb 71
Aorto-coronary by-pass with autogenous saphenous vein grafts: histopathological aspects. Marti MC, et al.
Virchows Arch [Pathol Anat] 352:255-66, 1971
[Resection and reparation with a saphenous graft of a right coronary artery aneurysm] Dubost C, et al.
Ann Chir Thorac Cardiovasc 9:39-43, Jan 70 (Fre)
[Technics of femoro-popliteal venous graft] Dombey JJ, et al. J Chir (Paris) 101:47-64, Jan 71 (Fre)
[Cardiac failure caused by atheromatous coronary ischemia. Recovery due to myocardial revascularization by right saphenous aorto-coronary shunt] Michaud P, et al.
Lyon Chir 66:448-50, Nov-Dec 70 (Fre)
[Autogenic saphonons transplantation for long term hemodialysis. Initial results] Hehrlein FW, et al.
Munch Med Wochenschr 113:887-90, 4 Jun 71 (Ger)
[Myocardial blood flow after interposition of the saphenous vein] Meisner H, et al.
Verh Dtsch Ges Kreislaufforsch 36:195-201, 1970 (Ger)
[Indirect revascularization of the myocardium implantation of internal mammary artery; direct myocardial revascularization with grafting of the saphenous vein. (Indications, surgical technic, immediate and late results)] Favaloro R.
Fracastoro 63:725-39, Sep-Oct 70 (Ita)

SAPONINS (D11)

Citrate-saponin-acid method for the recovery of microfilariae from blood. McQuay RM.
Am J Clin Pathol 54:743-6, Nov 70
Transformation of the steroidal sapogenin side chain. II. A new method for the preparation of 16-alkylated-pregn-16-en-20-ones. Barton DH, et al.
J Chem Soc [Org] 6:1149-56, 1971
Tumor inhibitors. LXII. The structures of acerotin and acerocin, novel triterpene ester aglycones from the tumor inhibitory saponins of Acer negundo. Kupchan SM, et al. J Org Chem 36:1972-6, 16 Jul 71
Physico-chemical properties of sapoalbin and their relation to the foam stability. Vochten R, et al.
J Pharm Belg 24:213-26, May-Jun 69
Immune response of pigs to inactivated foot-and-mouth disease vaccines. Response to DEAE-dextran and saponin adjuvanted vaccines. Anderson EC, et al.
Res Vet Sci 12:351-7, Jul 71
[The saponins of primrose and soapwort, well-known expectorants] Zwaving JH.
Pharm Weekbl 106:629-48, 13 Aug 71 (51 ref.) (Dut)
[Immunization of mice, by plantar route, with staphylococcal anatoxin. Influence of the antigen and adjuvant concentration on antibody production] Richou R, et al.
C R Acad Sci [D] (Paris) 271:2058-60, 30 Nov 70 (Fre)
[Spectral properties and photochemical activity of chloroplast fragments obtained with digitonin and Triton X-100] Ostrovskaia LK, et al.
Biofizika 14:265-75, Mar-Apr 69 (Rus)

ANALYSIS

Thinlayer chromatographic fingerprinting of commercially available saponins. Dalsgaard K.
Dan Tidsskr Farm 44:327-31, 1970
Seasonal variations in sapogenin yields from Dioscorea sylvatica and D. hondurensis. Blunden G, et al.
Planta Med 19:19-22, Oct 70
The steroid sapogenin constituents of Agave americana, A. variegata and Yucca gloriosa. Dewidar AM, et al. Planta Med 19:87-91, Oct 70
[Presence of chlorogenin beside the diosgenin and gitogenin in Tribulus terrestris L] Gheorghiu A, et al.
Ann Pharm Fr 26:745-8, 1968 (Fre)
[Spectrophotometric determination of steroids and triterpenoid compounds] Kartnig T, et al.
Arch Pharm (Weinheim) 303:767-70, Sep 70 (Ger)
[Polypodosaponin, a new tp Tschesche R, Wulff G: [Polypodosaponin, a new type of saponin from Polypodium vulgare L] Jizba J, et al.
Chem Ber 104:837-46, 1971 (Ger)
[Substances contained in horse-chestnut seeds. 8. The acylaglycones of cryptoescin and alpha-escin] Wagner J, et al.
Hoppe Seylers Z Physiol Chem 351:1133-40, Sep 70 (Ger)
[Hemolytic evaluation of saponins by agar diffusion method] Szilágyi I. Planta Med 19:42-51, Oct 70 (Ger)
[Determination of triterpene saponins in saparal powder and tablets] Mal'chukovskiĭ LB, et al.
Farmatsiia 20:68-71, Mar-Apr 71 (Rus)
[Priterpenic glycosides of Dipsacus azureus Schrenk] Mukhamedziev MM, et al.
Farmatsiia 19:39-42, Jul-Aug 70 (Rus)

DIAGNOSTIC USE

New thick-film technique for malaria diagnosis. Use of saponin stromatolytic solution for lysis. Umlas J, et al.
Am J Trop Med Hyg 20:527-9, Jul 71

ISOLATION & PURIFICATION

Ion-exchange chromatography of soybean saponins. Wolf WJ, et al. J Chromatogr 56:281-93, 7 Apr 71
Demineralization and purification of sapoalbin. Vochten R, et al. J Pharm Belg 24:253-61, May-Jun 69
Lucerne saponins. IV. Relationship between their chemical constitution, and haemolytic and antifungal activities. Gestetner B, et al.
J Sci Food Agric 22:168-72, Apr 71
Lucerne saponins. II. Purification and fractionation of saponins from lucerne tops and roots and characterisation of the isolated fractions. Gestetner B, et al. J Sci Food Agric 21:502-7, Oct 70
Screeninf of herbarium specimens of native plants from the families Amaranthaceae, Dipsacaceae and Orobanchaceae for alkaloids, saponins and tannins. Aynilian GH, et al. Planta Med 19:306-10, Apr 71
[Saniculagenin F--a new ester sapogenin. 15. Determination of components of some Saniculoideae] Hiller K, et al. Pharmazie 25:790, Dec 70 (Ger)
[Structure of Eryglum-sapogenins. 14. Information on components of some Saniculoideae] Hiller K, et al.
Pharmazie 25:769-74, Dec 70 (Ger)

PHARMACODYNAMICS

A new method for pharmacological correlative testing. Schennetten F, et al. Bibl Cardiol 26:342, Mar-Apr 69
The effects of saponins on the transporting epithelium of isolated frog skin. Brash AR, et al.
Br J Pharmacol 40:544P, Nov 70
Medicagenic acid, the factor responsible for hemolytic activity of lucerne saponins. Gestetner B, et al.
Experientia 27:40-1, 15 Jan 71
Effect of clerodendron serratum saponin on the mast cells of rat mesentery. Gupta SS, et al.
Indian J Med Sci 25:29-31, Jan 71
Anti-allergic activity of plant saponins in relation to their histamine releasing and anticholinesterase effects. Gupta SS.
Indian J Physiol Pharmacol 14:95-101, Apr 70
Lucerne saponins. 3. Effect of lucerne saponins on larval growth and their detoxification by various sterols. Shany S, et al.
J Sci Food Agric 21:508-10, Oct 70
Interactions of the echinoderm toxin holothurin A and its desulfated derivative with the cat superior cervical ganglion preparation. Friess SL, et al.
Toxicon 8:211-9, Sep 70
The effect of crude holothurin on leucocyte phagocytosis. Lasley BJ, et al. Toxicon 8:301-6, Nov 70
Effect of saponin on the infectivity of potato virus X. Verma VS, et al.
Zentralbl Bakteriol [Naturwiss] 125:113-8, 1970
[The erythrocyte membrane. Fine structure of the freeze etched membrane after treatment with hypotonic solutions and saponin] Huhn D, et al.
Klin Wochenschr 48:939-43, 1 Aug 70 (Ger)
[Voracity inhibiting effect of saponins on termites (Isoptera, Reticulitermes)] Tschesche R, et al.
Z Naturforsch [B] 25:999-1001, Sep 70 (Ger)
[Pharmacological studies on the saponin isolated from the seed of Momordica cochinchinensis Sprenger] Kubota K, et al. J Pharm Soc Jap 91:174-9, Feb 71 (Jap)

THERAPEUTIC USE

Anti-inflammatory activity of saponins and ot-her natural products. Bhargava KP, et al.
Indian J Med Res 58:724-30, Jun 70
[Clinical trial of a plant extract with PFicaria saponin base in the treatment of hemorrhoidal congestion] Dissard P. Lyon Med 221:1149-53, 11 May 69 (Fre)
[Our experience with the use of an antihemorrhoidal ointment of ficaria glycosides] Delacroix P.
Rev Fr Gynecol Obstet 64:487-8, Sep 69 (Fre)
[Experiences with Reparil-Gel in practice with special reference to cases of phlebology cases] Wipf H, et al.
Praxis 59:1553-6, 3 Nov 70 (Ger)
[Experiences with Reparil forte] Reilich H, et al.
Zentralbl Chir 96:92-5, 16 Jan 71 (Ger)
[Escin in the treatment of cerebral edema. Clinical and electroencephalographic study with correlographic analysis and spectrum of action] Rivano C, et al.
Minerva Neurochir 13:92-4, 1969 (Ita)
[Experience in the use of diosponin in patients with diabetes mellitus] Lesnichiĭ AV.
Probl Endokrinol (Mosk) 16:118-20, May-Jun 70 (Rus)
[Experience with polysponin therapy of atherosclerosis] Milimovka ME, et al.
Vrach Delo 63-5, Jan 71 (Rus)

SARCINA (B3)

Thermal lysis of bacterial membranes and its prevention by polyamines. Ray PH, et al.
J Gen Microbiol 66:133-5, May 71

ANALYSIS

Bacterial carotenoids. XXXIV. C50-carotenoids. 7. A C50-carotenyl-D-glucoside from Sarcina lutea. Norgård S, et al. Acta Chem Scand 24:1480-2, 1970
The walls of the extremely halophilic cocci: gram-positive bacteria lacking muramic acid. Brown AD, et al. J Gen Microbiol 62:267-70, Aug 70
Variation in fatty acid composition of Sarcina flava membrane lipid with the age of the bacterial culture. Hunter MI, et al. J Gen Microbiol 65:115-8, Jan 71
A water-soluble carotenoid-glycopeptide from Sarcina

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

morrhuae. Thirkell D, et al.
J Gen Microbiol 62:125-7, Jul 70
Characterization of branched monounsaturated hydrocarbons of Sarcina lutea and Sarcina flava. Markey SP, et al. Lipids 6:190-5, Mar 71

CYTOLOGY

Cell division in Sarcina flava. Thirkell D, et al. Biochem J 120:13P, Dec 70
Ultrasonic dispersal of aggregates of Sarcina lutea. Williams AR, et al. Ultrasonics 9:85-7, Apr 71

DRUG EFFECTS

[Microbiological determination of chloramphenicol hemisuccinate] Vidon D.
Ann Pharm Fr 29:141-6, Feb 71 (Fre)
[Microbial antagonism between Sarcina lutea and certain strains of Staphylococcus aureus] Audurier A.
C R Soc Biol (Paris) 164:384-6, 25 Sep 70 (Fre)

ENZYMOLOGY

Naphthylamidases of Sarcina lutea. Behal FJ, et al. Can J Microbiol 17:39-45, Jan 71
Mechanism of excretion of a bacterial proteinase: factors controlling accumulation of the extracellular proteinase of a Sarcina strain (Coccus P). Bissell MJ, et al. J Bacteriol 105:1099-109, Mar 71
Mechanism of excretion of a bacterial proteinase: demonstration of two proteolytic enzymes produced by a Sarcina strain (Coccus P). Sarner NZ, et al. J Bacteriol 105:1090-8, Mar 71
Action mechanism of tyramine oxidase from Sarcina lutea. Kumagai H, et al.
J Biochem (Tokyo) 69:137-44, Jan 71
[Modification of substrate and inhibitor specificity of tyramine oxidase from Sarcina lutea] Iakovlev VA, et al. Dokl Akad Nauk SSSR 197:470-2, 11 Mar 71 (Rus)

GROWTH & DEVELOPMENT

Antagonism by a gram-positive coccus. Trust TJ. Can J Microbiol 16:661-5, Aug 70

METABOLISM

Interaction between T7 coliphage denatured DNA and Sarcina lutea RNA. Verly WG, et al.
Biochim Biophys Acta 217:192-5, 17 Sep 70
The action of antibiotics on carotenoid production by strains of Sarcina lutea. Portoles A, et al.
Z Allg Mikrobiol 10:501-7, 1970
[The effect of a high vacuum on the oxidative processes of Sarcina flava and Bacillus simplex] Imshenetskii AA, et al. Mikrobiologiia 39:480-3, May-Jun 70 (Rus)
[Silica release from inerals by microbial activity] Kutuzova RS.
Mikrobiologiia 38:714-21, Jul-Aug 69 (Rus)

RADIATION EFFECTS

[Proton irradiation of the microorganisms Micrococcus radiodurans and Sarcina flava placed within a meteorite] Vdovykin GP, et al.
Dokl Akad Nauk SSSR 189:192-5, Nov-Dec 69 (Rus)

SARCOCYSTIS see under SARCOSPORIDIA (B1)

SARCODINA (B1)

A note on the preservation of soil amebas by drying in vacuo. Annear DI. Cryobiology 7:129, Sep-Oct 70
Stabilizing effects of D2O on the microtubular components and needle-like form of heliozoan axopods: a pressure-temperature analysis. Marsland D, et al. J Cell Physiol 77:187-94, Apr 71
Control of flagellum number in Naegleria. Temperature shock induction of multiflagellate cells. Dingle AD. J Cell Sci 7:463-81, Sep 70
Further evidence for the sorting out of cells in the differentiation of the cellular slime mold Dictyostelium discoideum. Bonner JT, et al.
J Embryol Exp Morphol 25:457-65, Jun 71
Production of single-walled cysts of Schizopyrenus russelli by sonication and their behaviour towards excystment-inducing and excystment-blocking agents. Rastogi AK, et al.
J Gen Microbiol 60:387-92, Mar 70

ANALYSIS

Effects of growth rate on the DNA content of Astasia longa cells. Morimoto H, et al.
Exp Cell Res 58:55-61, Nov 69

CYTOLOGY

Further observations on dividing and non-dividing cnidoblasts in the regenerating isolated gastrodermis of Hydra. Davis LE.
Z Zellforsch Mikrosk Anat 105:526-37, 1970

ENZYMOLOGY

Changes in the activity of certain enzymes of Hartmannella (Culbertson strain A-1) during encystment. Raizada MK, et al.
J Protozool 18:115-9, Feb 71

GROWTH & DEVELOPMENT

Sulfate-controlled synchrony of Astasia longa. Morimoto H, et al. Exp Cell Res 58:195-200, Dec 69
Photoinhibition of growth in Acanthamoeba castellanii cultures. Dolphin WD. J Bacteriol 103:755-60, Sep 70

PHYSIOLOGY

[Comparative studies on amoeboid movement] Jarosch R. Protoplasma 72:79-100, 1971 (Ger)

SARCODINA INFECTIONS see under PROTOZOAN INFECTIONS (C1)

SARCOIDOSIS (C17)

Sarcoidosis with ocular and hypothalamic-pituitary manifestations. Ingestad R, et al.
Acta Ophthalmol (Kbh) 49:1-10, 1971
Sarcoidosis involving the lacrimal sac. Fisher OE, et al.
Am Rev Resp Dis 103:708-10, May 71
Sarcoidosis. Arthritis Rheum 13:509-10, Sep-Oct 70
Sarcoidosis. Case report. Kozdereli E, et al.
Mo Med 68:106-9 passim, Feb 71
The definition of sarcoidosis. Scadding JG.
Postgrad Med J 46:465-7, Aug 70
Sarcoid again.
Trans St Johns Hosp Dermatol Soc 57:221-2, 1971
[Sarcoidosis] Selroos O. Duodecim 87:10-30, 1971 (Fin)
[Besnier-Boeck-Schaumann's disease with hepatic hilar localization] Leng-Lévy J, et al.
Bord Med 4:1069-76, Apr 71 (Fre)
[Digestive localizations of sarcoidosis] Bel A.
Lyon Med 225:955-8, 23 May 71 (Fre)
[Sarcoidosis. Introduction] Brun J.
Lyon Med 225:935-6, 23 May 71 (Fre)
[The cutaneous lesions of sarcoidosis] Colomb D, et al.
Lyon Med 225:967-73, 23 May 71 (Fre)
[Problems raised by amyotrophic forms of sarcoidosis (muscular localizations of sarcoidosis)] Dumas R, et al. Lyon Med 225:975-81, 23 May 71 (Fre)
[A case of laryngeal sarcoidosis] Yernault Y, et al.
Rev Laryngol Otol Rhinol (Bord) 92:81-7, Jan-Feb 71 (Fre)
[Sarcoidosis] Cardis F.
Rev Med Suisse Romande 88:576-83, Aug 68 (Fre)
[Unusual localization of an isolated organ sarcoidosis] Engel W. Chirurg 42:90-2, Feb 71 (Ger)
[Clinical picture of sarcoidosis in male military personnel] Schawohl P, et al.
Dtsch Gesundheitsw 25:293-9, 20 Feb 70 (Ger)
[Heerfordt syndrome] Koch H, et al.
Dtsch Zahn Mund Kieferheilkd 55:21-9, Aug 70 (Ger)
[Löfgren's syndrome (acute sarcoidosis)] Rübesamen M, et al. Med Klin 65:1577-82, 4 Sep 70 (Ger)
[Sarcoidosis (Boeck's disease)] Wurm K.
Med Klin 66:415-8, 19 Mar 71 (Ger)
[Cerebral sarcoidosis] Gaddoni G, et al.
Acta Neurol (Napoli) 25:582-4, Sep-Oct 70 (Ita)
[Reticulosis of the ocular adnexa: eyelids and lacrimal glands] Fusco G, et al.
Ann Ottalmol Clin Ocul 94:675-88, Jun 68 (Ita)
[Ocular sarcoidosis] Volpi U, et al.
Ann Ottalmol Clin Ocul 95:641-64, Aug 69 (Ita)
[Clinical observation on sarcoidosis] Izumi T.
Bull Chest Dis Res Inst Kyoto Univ 3:134-44, Mar 70 (Jap)
[Case of sarcoidosis of the stomach] Kitano K, et al.
Jap J Clin Med 28:2700-6, Nov 70 (Jap)
[Sarcoidosis] Mikami R. Naika 27:517-9, Mar 71 (Jap)
[Sarcoidosis--present status] Rabello FE.
An Bras Dermatol 45:67-70, Jan-Mar 70 (Por)
[Sarcoidosis of the radix linguae and larynx] Chumakov FI, et al. Probl Tuberk 48:68-9, 1970 (Rus)
[Neurologic disorders in sarcoidosis (Besnier-Boeck-Schaumann disease)] Smirnov IuD, et al. Sov Med 33:144-5, Sep 70 (Rus)
[Isolated Boeck's sarcoid of the larynx] Chumakov FI, et al. Vestn Otorinolaringol 32:88-90, Nov-Dec 70 (Rus)
[Case of Boeck's sarcoidosis of the facial skin and nasal cavity] Minchina RA, et al.
Vestn Otorinolaringol 32:97-9, Jul-Aug 70 (Rus)
[Sarcoidosis of the upper respiratory tract] Triantafilidi IG, et al.
Vestn Otorinolaringol 32:77-81, Jul-Aug 70 (Rus)

BLOOD

Cell growth regulating factors in viral infections and other diseases. Wahren B, et al.
Exp Cell Res 66:396-400, Jun 71
Culture of lymphocytes from sarcoidosis. Stimulation by means of a blastogenic factor from sensitized donor cells. Girard JP, et al.
Int Arch Allergy Appl Immunol 41:128-31, 1971
Frequency of disordered calcium metabolism in sarcoidosis. Israel HL, et al.
Postgrad Med J 46:468-70, Aug 70
Quantitative immunoelectrophoretic analysis in patients with tuberculosis and sarcoidosis. Clarke HG, et al. Thorax 25:423-6, Jul 70
[Besnier-Boeck-Schaumann sarcoidosis and calcitonin] Darnis F, et al. Presse Med 79:349, 13 Feb 71 (Fre)
[Serum proteins and immunoglobulins in sarcoidosis] Turiaf J, et al.
Rev Fr Allergol 10:107-16, Apr-Jun 70 (Fre)
[Effect of serum from tuberculous patients on lymphocyte blastic transformation in sarcoidosis] Girard JP, et al.
Schweiz Med Wochenschr 100:1986-8, 14 Nov 70 (Fre)

CLASSIFICATION

[Recognition of sarcoidosis as occupational disease] Kreuser F. Pneumonologie 143:78-87, 1970 (Ger)

COMPLICATIONS

Fluorescein studies of retinal vasculitis in sarcoidosis. Report of a case. Algvere P.
Acta Ophthalmol (Kbh) 48:1129-39, 1970
Tracheal dystonia and sarcoidosis. Eliefsen P.
Acta Otolaryngol (Stockh) 70:438-42, Nov-Dec 70
Hypercalcaemic sarcoidosis. Report of a case in a girl aged 13 years. Lund HT, et al.
Acta Paediatr Scand 60:249, Mar 71
The infrequency of hypercalcemia in sarcoidosis. Goldstein RA, et al. Am J Med 51:21-30, Jul 71
Report of a case of dacryocystitis secondary to Boeck's sarcoid. Neault RW, et al.
Am J Ophthalmol 70:1011-2, Dec 70
Systematic sarcoidosis with severe involvement of the upper respiratory tract. Lefrak S, et al.
Am Rev Resp Dis 102:801-7, Nov 70
Sporotrichosis and sarcoidosis. Lynch PJ, et al.
Arch Dermatol 103:298-303, Mar 71
Verrucose sarcoidosis. Shmunes E, et al.
Arch Dermatol 102:665-9, Dec 70
Nodular lymphoid hyperplasia of the small intestine and sarcoidosis. Davis SD, et al.
Arch Intern Med 126:668-72, Oct 70
Sarcoidosis of the skin and larynx. Raman VV.
Arch Otolaryngol 93:324-6, Mar 71
Treatment with colchicine of the periarticular inflammation associated with sarcoidosis: a need for continued appraisal. Harris ED Jr, et al.
Arthritis Rheum 14:130-3, Jan-Feb 71
Sarcoidosis in a patient with Down's syndrome (mongolism). Kanjilal GC, et al.
Br J Clin Pract 24:309-11, Jul 70
Anaplastic carcinoma of the lung and sarcoidosis. Sarkar TK. Br J Clin Pract 24:297-9, Jul 70
Sarcoidosis with atrophic lesions and ulcers of the legs. Williamson DM. Br J Dermatol 84:92-3, Jan 71
Sarcoidosis of the nervous system. Salmon SE, et al.
Calif Med 113:61-4, Nov 70
Abdominal sarcoidosis with ascites. Papowitz AJ, et al.
Chest 59:692-5, Jun 71
X-ray of the month. Section of chest diseases. Yale-New Haven Medical Center. Riiance AB.
Conn Med 34:518-9, Jul 70
Sarcoid meningoencephalitis. Diagnostic difficulties encountered in two cases. Dickinson ES.
Dis Nerv Syst 32:118-24, Feb 71
Sarcoidosis and autonomous parathyroid hyperplasia. Bohnen RF, et al. JAMA 217:1385-7, 6 Sep 71
Coeliac disease and diffuse lung disease. Karlish AJ.
Lancet 1:1077, 22 May 71
Sarcoidosis, thyroiditis, and Addison's disease. MacGregor GA. Lancet 2:1257, 12 Dec 70
Sarcoidosis associated with regional enteritis (Crohn's disease). Dines DE, et al. Minn Med 54:617-20, Aug 71
Salivary gland function in sarcoidosis. Report of a case. Chisholm DM, et al. Oral Surg 37:766-71, Jun 71
Pulmonary fibrosis in the course of sarcoidosis. Dąbrowski A, et al. Pol Med J 9:1399-410, 1970
Skin changes in sarcoidosis. Cronin E.
Postgrad Med J 46:507-9, Aug 70
Ocular sarcoidosis. Jackson H.
Postgrad Med J 46:501-4, Aug 70
Renal involvement in sarcoidosis. Lebacq E, et al.
Postgrad Med J 46:528-9, Aug 70
Sarcoidosis and hyperthyroidism. Leppard B.
Proc R Soc Med 64:396, Apr 71
Hodgkin's disease with sarcoid features. Stoker TA, et al. Proc R Soc Med 64:661, Jun 71
Portal hypertension complicating hepatic sarcoidosis. Rosenberg JC. Surgery 69:294-9, Feb 71
[Diabetes insipidus in patients with sarcoidosis] Winslow J. Ugeskr Laeger 133:495-6, 19 Mar 71 (Dan)
[Importance of evaluation of lung tissue resistance in mediastino-pulmonary sarcoidosis] Basset G, et al.
Ann Med Interne (Paris) 121:867-76, Oct 70 (Fre)
[Sarcoidosic chronic polyarthritis in an infant] Harpey JP, et al. Arch Fr Pediatr 28:533-43, May 71 (Fre)
[Calcified bilateral hilar lymphoma of sarcoidosis origin] Voog R, et al.
Bronches 20:247-57, Jul-Aug 70 (Fre)
[Granulomatous hepatitis (sarcoid infiltration of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

liver)] Lesbros F.
J Med Lyon 51:1375-7, 20 Jun 70 (Fre)
[Cranial lacuned during lymphnodal-pulmonary sarcoidosis] Perrin-Fayolle M, et al.
Lyon Med 225:945-53, 23 May 71 (Fre)
[Intrication of sarcoidosis with pulmonary tuberculosis] Perret, et al.
Mars Med 107:839-40, 1970 (Fre)
[Sarcoidosis and leprosy] Turiaf J, et al.
Presse Med 79:1459-62, 26 Jun 71 (Fre)
[Association of pulmonary sarcoidosis and tuberculosis] Perret, et al.
Rev Corps Sante Armees 12:57-61, Feb 71 (Fre)
[Pleural disorders and sarcoidosis: a case] Laplante L, et al. Union Med Can 99:2024-7, Nov 70 (Fre)
[Incidence of cystic bone alterations (ostitis cystoides multiplex Jüngling) in sarcoidosis] Baltzer G, et al.
Dtsch Med Wochenschr 95:1926-9, 18 Sep 70 (Ger)
[Extrapulmonary sarcoidosis] Liehr H.
Med Klin 66:418-27, 19 Mar 71 (Ger)
[Middle lobe atelectasis in sarcoidosis] Katsouros T.
Prax Pneumol 25:479-82, Aug 71 (Ger)
[Chronic hyperparathyroidism associated with multiple tumors of the parathyroid and sarcoidosis] Kuhlencordt F, et al.
Schweiz Med Wochenschr 101:609-15, 1 May 71 (Ger)
[Functional psychoses in sarcoidosis] Suchenwirth R, et al. Verh Dtsch Ges Inn Med 75:757-9, 1969 (Ger)
[Heerfordt's syndrome with hearing disorders] Kittel H. Z Laryngol Rhinol Otol 50:25-32, Jan 71 (Ger)
[Pulmonary infiltration, skin eruption, lymphoadenopathy and gout] Wyngaarden JB, et al.
Policlinico [Prat] 78:43-56, 16 Jan 71 (Ita)
[A case of sarcoidosis with involvement of nervous system] Oba N, et al.
Acta Soc Ophthalmol Jap 75:941-50, 20 Jan 71 (Jap)
[Pulmonary sarcoidosis--with special reference to the case presenting rebound phenomena in the course of steroid therapy together with superficial lymph node swelling, tonsillopathy and lymphopenia] Mikami R, et al. Naika 27:1377-83, Jun 71 (Jap)
[Case of sarcoidosis with diffuse swelling and induration of the bilateral triceps surae] Kubo M, et al. Orthop Surg (Tokyo) 22:128-30, Feb 71 (Jap)
[Cavitary form of pulmonary sarcoidosis] Kamiński Z, et al. Gruzlica 39:305-13, Apr 71 (Pol)
[Unilateral exophthalmos in sarcoidosis treated with hydrocortisone] Bromberg-Sznek S, et al.
Wiad Lek 23:1919-20, 1 Nov 70 (Pol)
[A case of Besnier-Boeck-Schaumann sarcoidosis with meningeal symptoms] Simić R.
Srp Arh Celok Lek 98:929-31, Jun 70 (Ser)
[Besnier-Boeck-Schaumann's disease and rheumatoid disease. (A pathological combination)] Falasco M, et al. Arch Fund Roux Ocefa 3:219-24, 1969 (Spa)
[Endocrine manifestations of sarcoidosis] Martinez Diaz J. Prensa Med Argent 58:193-5, 26 Mar 71 (Spa)

DIAGNOSIS

Gastric sarcoidosis: a difficult diagnosis. Kremer RM, et al. Am Surg 36:686-90, Nov 70
Mediastinoscopy with special reference to the diagnosis of sarcoid. Tucker JA, et al.
Ann Otol Rhinol Laryngol 79:937-43, Oct 70
Sarcoidosis. Baler GR. Arch Dermatol 102:108, Jul 70
Sarcoidosis? Leprosy? Levy E, et al.
Arch Dermatol 103:349-50, Mar 71
Sarcoidal reaction of the skin in syphilis. Singh R, et al.
Br J Vener Dis 47:209-11, Jun 71
Kveim test. Gilroy J. Br Med J 3:369, 7 Aug 71
Diagnostic procedures in sarcoidosis. Mankiewicz E, et al. Can Med Assoc J 104:684-90, 17 Apr 71
Rapid intravenous calcium infusion test in sarcoidosis. Sokolowski JW Jr, et al. Chest 59:188-90, Feb 71
Sarcoidosis. A case report. Block DM.
J Am Podiatry Assoc 61:139-40, Apr 71
Pulmonary sarcoidosis: a review of the cases at the University of Kansas Medical Center. Fisher JK.
J Kans Med Soc 71:471-83, Dec 70
Giant splenomegaly in sarcoidosis demonstrated by radionuclide scintiphotography. Response to corticosteroid therapy. Burt RW, et al.
JAMA 215:2110-1, 29 Mar 71
Is the Kveim test safe? Mitchell DN, et al.
Lancet 1:907, 1 May 71
Sarcoidosis and chronic hepatic disease: a clinical and pathologic study of 20 patients. Maddrey WC, et al.
Medicine (Baltimore) 49:375-95, Sep 70
Unusual forms of sarcoidosis. Hahn R.
South Med J 64:541-5, May 71
[Kveim's test in bioptically verified sarcoidosis] Holbraad L. Nord Med 85:60, 14 Jan 71 (Dan)
[Muscular sarcoidosis. A case with exclusive muscular determination in chronic polymyositis form] Bonduelle M, et al.
Ann Med Interne (Paris) 122:113-7, Jan 71 (Fre)
[Isolation muscular sarcoidosis of tumoral form] Larcan A, et al.
Ann Med Interne (Paris) 122:119-20, Jan 71 (Fre)
[Problems of diagnosis in occupatoonal medicine posed by some pulmonary pathologic films] Lob M.
Arch Mal Prof 31:533-8, Oct-Nov 70 (Fre)
[Besnier-Boeck-Schaumann disease revealed by lacrimal gland hypertrophy] Mendelsohn P, et al.
Bull Soc Ophtalmol Fr 69:643-8, Jul-Aug 69 (Fre)
[Isolated sarcoidosis of the parotid loculus] Gaillard J, et al. J Fr Otorhinolaryngol 19:813-5, Dec 70 (Fre)
[Febrile forms of thoracic sarcoidosis] Bernard JP, et al. Lyon Med 225:959-64, 23 May 71 (Fre)
[Diagnostic value of the lymphocyte toxicity of the serum and its correlations with immunoglobulins in lymphnodal-pulmonary sarcoidosis] Brun J, et al.
Lyon Med 225:937-44, 23 May 71 (Fre)
[Tardive myopathy with granulomatous nodules presumed to be of sarcoidosic etiology] Groslambert R, et al. Lyon Med 225:983-7, 23 May 71 (Fre)
[2 cases of tumoral bronchial stenosis--or the surprises of pathological anatomy] Dumon JF, et al.
Mars Med 107:790-1, 1970 (Fre)
[Neurosurgical implications of cerebral sarcoidosis] Oblu N, et al.
Neurochirurgie 17:143-50, Mar-Apr 71 (Fre)
[Sarcoidosis and tuberculosis (2 cases)] Linker C.
Rev Med Suisse Romande 91:145-72, Mar 71 (Fre)
[Importance of laboratory analyses in sarcoidosis] Vezendi S, et al.
Beitr Klin Erforsch Tuberk Lungenkr 141:311-8, 1970 (Ger)
[Löfgren syndrome in rheumatology] Behrend T, et al.
Dtsch Med J 20:332-8, 27 May 69 (Ger)
[Boeck's sarcoid of the central nervous system. 5 personal observations] Schubert JC, et al.
Dtsch Med Wochenschr 96:945-6 passim, 28 May 71 (Ger)
[Boeck's sarcoid with intracranial localisation] Skrzypczak J. Paediatr Grenzgeb 9:143-7, 1970 (Ger)
[Mediastinoscopy] Maurer H.
Wien Med Wochenschr 121:191-4, 13 Mar 71 (Ger)
[Importance of mediastinal lymph node biopsy in the diagnosis of sarcoidosis] Beckert W, et al.
Z Erkr Atmungsorgane 131:185-8, 1970 (Ger)
[Importance of tuberculin sensitivity in pulmonary sarcoidosis. Report against the tuberculous etiology of sarcoidosis from the viewpoint of nosology] Böttger D.
Z Erkr Atmungsorgane 131:189-98, 1970 (Ger)
[Sarcoidosis and sarcoidosis-like reactions of the intestinal tract] Kettner W, et al.
Zentralbl Chir 96:497-503, 10 Apr 71 (Ger)
[Sarcoid type multiple granulomas of the parotid] Bartalena G, et al.
Boll Mal Orecch Gola Naso 87:294-9, 1969 (Ita)
[Clinical study on 42 cases of mediastino-pulmonary sarcoidosis] Bisetti A, et al.
Haematologica 55:654-5, 1970 (Ita)
[Usefulness of mediastinoscopy in the diagnosis of ileo-mediastinal sarcoidotic adenopathies] Pastorelli S, et al. Haematologica 55:651-3, 1970 (Ita)
[Value of the Kveim test in the diagnosis of sarcoidosis] Centea A, et al.
Med Interna (Bucur) 23:357-64, Mar 71 (Rum)
[The current status of the problem of sarcoidosis of the respiratory organs] Rabukhin AE, et al.
Klin Med (Mosk) 49:101-8, Mar 71 (Rus)
[Kveim test] La Grasta M, et al.
Piucne Bolesti Tuberk 22:325-32, Oct-Dec 70 (Cro)

DRUG THERAPY

Sarcoid of the tonsil. Response to local steroid injection. Miglets AW, et al.
Arch Otolaryngol 92:516-7, Nov 70
Recovery of adrenocortical function during long-term treatment with corticosteroids. Westerhof L, et al.
Br Med J 4:534-7, 28 Nov 70
Pulmonary sarcoidosis: a prospective evaluation of glucocorticoid therapy.
Md State Med J 20:101-2, Mar 71
The treatment of sarcoidosis. Israel HL.
Postgrad Med J 46:537-40, Aug 70
[Hypercalcemic sarcoidosis--a case in a 13-year-old girl] Lund HT, et al. Nord Med 85:92, 21 Jan 71 (Dan)
[Experience with paramethasone in sarcoidosis] Ewert EG. Med Klin 65:1583-6, 4 Sep 70 (Ger)

ETIOLOGY

Possible agent in the transmission of Crohn's disease and its similarity to sarcoidosis. Glomset DA.
J Iowa Med Soc 60:773, Nov 70
An attempt to demonstrate a transmissible agent from sarcoid material. Mitchell DN, et al.
Postgrad Med J 46:510-4, Aug 70
On the pathogenesis of sarcoidosis. Shelley WB.
South Med J 64:988-91, Aug 71
[Morbus Boeck, an occupational disease]
Prax Pneumol 25:421-5, Jul 71 (Ger)
[On unusual sarcoidosis-like manifestations as a foreign-body reaction (so-called symptomatic sarcoidosis). On an unusual case with intra-osseous expansion] Dini S, et al.
Arch De Vecchi Anat Patol 54:715-29, Apr 69 (Ita)
[Sarcoidosis and Crohn's disease--etiological speculations] Selroos O.
Nord Med 85:50-1, 14 Jan 71 (Swe)

FAMILIAL & GENETIC

Familial sarcoidosis. Report of four siblings with acute sarcoidosis. Sharma OP, et al.
Am Rev Resp Dis 104:255-7, Aug 71
Sarcoidosis and Crohn disease in siblings. Willoughby JM, et al. Am Rev Resp Dis 104:249-54, Aug 71
Identical twins, one presenting as tuberculosis, the other as sarcoidosis. Mikhail JR.
Postgrad Med J 46:521-5, Aug 70
[Relationship between sarcoidosis and tuberculosis from the genetic viewpoint] Jörgensen G.
Med Monatsschr 25:254-8, Jun 71 (Ger)
[Familial occurrence of sarcoidosis] Wiman LG, et al.
Z Erkr Atmungsorgane 133:481-4, Dec 70 (Ger)

IMMUNOLOGY

Histopathology of sarcoidosis and its immunological bases. Takahashi M. Acta Pathol Jap 20:171-82, May 70
Tuberculin tests during the course of sarcoidosis in 350 patients. Chusid EL, et al.
Am Rev Resp Dis 104:13-21, Jul 71
Lymphocyte sensitization in sarcoidosis. Caspary EA, et al. Br Med J 3:143-5, 17 Apr 71
Lymphocyte sensitization. Caspary EA, et al.
Br Med J 3:369-70, 7 Aug 71
Lymphocyte sensitization. Hart PD, et al.
Br Med J 3:246, 24 Jul 71
Lymphocyte sensitization in sarcoidosis. MacGregor GA. Br Med J 2:471, 22 May 71
In-vitro inhibition of leucocyte migration in Crohn's disease by a sarcoid spleen suspension. Willoughby JM, et al. Br Med J 3:155-7, 17 Jul 71
The Kveim test. Br Med J 2:804, 12 Jun 71
A correlation of in vivo delayed-type hypersensitivity with in vitro lymphocyte transformation in sarcoidosis. Sharma OP, et al. Chest 60:35-7, Jul 71
Immunological studies in a patient with ulcerative colitis and sarcoidosis. Watson DW, et al.
Gut 12:541-3, Jul 71
Immunological relationship between sarcoidosis and tuberculosis. Sharma OP.
Indian J Med Res 58:1551-9, Nov 70
Hepatitis-associated antigen and sarcoidosis. Fouts DW, et al. Lancet 2:1257, 12 Dec 70
Kveim test in Crohn's disease. Karlish AJ, et al.
Lancet 2:977-8, 7 Nov 70
Australia (hepatitis) antigen in sarcoidosis. Sharma OP, et al. Lancet 2:928, 31 Oct 70
Is there Kveim responsiveness in Crohn's disease? Silizbach LE, et al. Lancet 2:634-6, 18 Sep 71
Is the Kveim test safe? Weller K. Lancet 1:232, 30 Jan 71
The Kveim test. Hirsch JG, et al.
N Engl J Med 284:1326-8, 10 Jun 71
Relation of kveim-antigen reaction to lymphadenopathy. Study of sarcoidosis and other diseases. Israel HL, et al.
N Engl J Med 284:345-9, 18 Feb 71
The kveim test. Thomas L.
N Engl J Med 284:388-9, 18 Feb 71
The Kveim test in sarcoidosis. Mikhail JR, et al.
Postgrad Med J 46:484-5, Aug 70
The Kveim test in Crohn's disease. Mitchell DN, et al.
Postgrad Med J 46:491-5, Aug 70
The Kveim test in leprosy. Rees RJ.
Postgrad Med J 46:486-90, Aug 70
The Kveim test in Crohn's disease. Mitchell DN.
Proc R Soc Med 64:164-6, Feb 71
Granulomatous hepatitis of obscure aetiology. Diagnostic contribution of Kveim testing and anti-tuberculous therapy. Fitzgerald MX, et al.
Q J Med 40:371-83, Jul 71
[Research on immunologic manifestations of sarcoidosis] Turiaf J, et al.
Ann Med Interne (Paris) 121:117-34, Feb 70 (Fre)
[Diagnostic value of the lymphocyte toxicity of the serum and its correlations with immunoglobulins in lymphnodal-pulmonary sarcoidosis] Brun J, et al.
Lyon Med 225:937-44, 23 May 71 (Fre)
[Lymphocytotoxicity during gangliopulmonary sarcoidosis] Brun J, et al.
Presse Med 79:814, 10 Apr 71 (Fre)
[Development and significance of a tuberculin skin anergy in sarcoidosis] Turiaf J, et al.
Rev Tuberc Pneumol (Paris) 32:5-20, Jan-Feb 68 (Fre)
[Thymidine-H3 labeled lymphocyte transformation in vitro in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon N, et al.
G Ital Dermatol 46:178-86, Apr 71 (Ger)
[Cultures of lymphocytes in sarcoidosis] Kohout J.
Pneumonologie 144:281-7, 1971 (Ger)
[H3-thymidine labelled in vitro lymphocyte transformation in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon M, et al.
Orv Hetil 111:2403-7, 11 Oct 70 (Hun)
[Behavior of serum immunoglobulins in the clinical course of sarcoidosis and their relation to tuberculin skin reactivity] Di Feliciantonio R, et al.
Arch Patol Clin Med 45:507-15, Sep 69 (Ita)
[Diagnostic value of the Kveim test on the basis of observations on the mediastino-nodal type of sarcoidosis] Kanabus I, et al.
Pediatr Pol 45:1367-71, Nov 70 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

Calcium metabolism in sarcoidosis. Dent CE.
Postgrad Med J 46:471-7, Aug 70
[Calcium metabolism disorders in sarcoidosis] Legacq E. Poumon Coeur 26:799-813, 1970 (Fre)
[Calcium metabolism disorders in patients with sarcoidosis] Rowińska E, et al.
Gruzlica 39:297-304, Apr 71 (Pol)

MICROBIOLOGY

[Pseudotuberculosis in experimental mice] Karasek E, et al. Arch Exp Veterinaermed 24:785-91, 1970 (Ger)

OCCURRENCE

Further exploratory studies in sarcoidosis. An epidemiologic investigation to compare the prevalence of tuberculosis infection and-or disease among contacts of matched sarcoidosis and asthmatic patients. Zaki MH, et al.
Am Rev Resp Dis 103:539-45, Apr 71
Sarcoidosis. Pulmonary sarcoidosis in the Midwest. Fisher JK. J Kans Med Soc 72:260-2, Jun 71
[Note on the present incidence of sarcoidosis] Despierres G, et al. Lyon Med 225:965, 23 May 71 (Fre)
[First cases of Besnier-Boeck-Schaumann's disease observed in negroes from West Africa] Privat Y. Mars Med 108:381-2, 1971 (Fre)
[Löfgren's Syndrome. Incidence and course of Boeck's disease] Urthaler F, et al.
Schweiz Med Wochenschr 100:1111-3, 27 Jun 70 (Ger)
[Pulmonary sarcoidosis from the viewpoint of a sanatorium] Barthel E.
Z Erkr Atmungsorgane 132:17-30, 1970 (Ger)
[Boeck's disease in childhood] Mándi L.
Z Erkr Atmungsorgane 133:354-8, Dec 70 (Ger)
[Endothoracic sarcoidosis in Spain] Almansa de Cara S.
Rev Clin Esp 115:417-20, 15 Dec 69 (Spa)

PATHOLOGY

Histopathology of sarcoidosis and its immunological bases. Takahashi M. Acta Pathol Jap 20:171-82, May 70
Osmiophilic structures in granulomatous macrophages and the problem of intracellular mycobacteria. Leake ES, et al. Am Rev Resp Dis 104:132-3, Jul 71
Pseudoxanthoma elasticum with a sarcoidal granulomatous reaction: a case report. Sheehan JP, et al. Int J Dermatol 9:267-72, Oct-Dec 70
Neurosarcoidosis. Dinn JJ.
Ir J Med Sci 140:266-73, Jun 71
Thyroid involvement in systemic sarcoidosis. Hemmings IL Jr, et al. J Pediatr 78:131-4, Jan 71
Progressive pulmonary insufficiency and malignant lymphoma. Postgrad Med 49:221-8, Apr 71
Problems in histological interpretation in sarcoidosis. Drury RA. Postgrad Med J 46:478-83, Aug 70
The fine structure of sarcoid and tuberculous granulomas. Williams WJ, et al.
Postgrad Med J 46:496-500, Aug 70
Besnier--Boeck--Schaumann's polymyositis. (Muscular sarcoidosis). Keuter EJ.
Psychiatr Neurol Neurochir 73:267-76, Jul-Aug 70
[Comparison between the cells of pulmonary histiocytosis X and the epithelioid cells of pulmonary sarcoidosis] Basset F, et al.
Poumon Coeur 25:235-46, 1969 (Fre)
[Granulomatous myositis and muscle sarcoidosis. Clinical picture and biopsy histological diagnosis] Jerusalem F, et al.
Dtsch Med Wochenschr 95:2184-90, 23 Oct 70 (Ger)
[Ceroidosis] Kalkoff KW.
Dtsch Med Wochenschr 96:1174-5, 2 Jul 71 (Ger)
[Comparative histologic and clinical studies in thoracic sarcoidosis] Beckert W, et al.
Z Erkr Atmungsorgane 132:157-61, 1970 (Ger)
[Morphology of the sarcoidosis granuloma in liver punctates] Korb G, et al.
Zentralbl Allg Pathol 114:365-73, 1971 (Ger)
[Initial lesions of pulmonary sarcoidosis] Aliperta A, et al. Arch Tisiol Mal Appar Resp 24:961-98, Dec 69 (Ita)
[Acute Löfgren's disease. 13 cases] Grifa P, et al.
Haematologica 55:656-8, 1970 (Ita)
[Supplementary findings on fundus involvement in ocular sarcoidosis] Kobayashi F.
Acta Soc Ophthalmol Jap 75:53-8, 20 Jan 71 (Jap)
[A case of sarcoidosis with multiple granulomatous lesions in the kidney] Motonaga I, et al.
Acta Urol Jap 16:722-7, Dec 70 (Jap)
[Skin lesions in the course of sarcoidosis] Niewiadomska S, et al.
Przegl Dermatol 57:649-52, Sep-Oct 70 (Pol)

PHYSIOPATHOLOGY

Further studies of respiratory bellows dynamics in sarcoidosis. Young RC Jr, et al.
J Natl Med Assoc 62:441-6, Nov 70
Respiratory function in sarcoidosis and other interstitial lung diseases with similar radiological appearance. Vale JR. Scand J Resp Dis 52:1-12, 1971
Pulmonary function during pregnancy in normal women and in patients with cardiopulmonary disease. Gazioglu K, et al. Thorax 25:445-50, Jul 70
Lung function in sarcoidosis. An investigation of the disease as seen at a clinic in England and a comparison of the value of various lung function tests. Marshall R, et al. Thorax 26:402-5, Jul 71
[Long term data of functional respiratory exploration in subjects cured of pulmonary sarcoidosis] Turiaf J, et al. Poumon Coeur 25:1-15, 1969 (Fre)
[Respiratory physiopathologic findings on various cases of pulmonary sarcoidosis] Gatto PL, et al.
Pathologica 61:279-82, Sep-Oct 69 (Ita)
[Pulmonary function tests in diffuse interstitial pulmonary diseases. 3] Lemle A.
Rev Bras Med 27:144-9, Mar 70 (Por)

RADIOGRAPHY

Sarcoidosis. Typical and atypical thoracic manifestations and complications. Freundlich IM, et al. Clin Radiol 21:376-83, Oct 70
Evaluation of the clinical and histological features of paratracheal and hilar gland enlargement. Mikhail JR, et al. Postgrad Med J 46:515-20, Aug 70
Sarcoidosis in bone. Pygott F.
Postgrad Med J 46:505-6, Aug 70
The late stages of pulmonary sarcoidosis. Seadding JG.
Postgrad Med J 46:530-6, Aug 70
Pulmonary sarcoidosis: unilateral hilar adenopathy presenting as an endobronchial tumor. Case report. Hsu JT, et al. Radiology 98:385-6, Feb 71
Unilateral hilar or paratracheal adenopathy in sarcoidosis: a study of 38 cases. Spann RW, et al. Thorax 26:296-9, May 71
[Lymphography in sarcoidosis]
Ann Med Interne (Paris) 122:389-96, Mar 71 (Fre)
[Contribution of lymphogaphy in Besnier-Boeck-Schaumann disease. Apropos of 8 cases] Lamarque JL, et al.
Ann Radiol (Paris) 14:437-47, May-Jun 71 (Fre)
[Pseudo-tumorous renal sarcoidosis] Amouroux J, et al. J Radiol Electrol Med Nucl 51:325-6, May 70 (Fre)
[Lymphographic studies on the retroperitoneal lymph node lesions in sarcoidosis] Blaudow K, et al.
Dtsch Gesundheitsw 25:1504-8, 6 Aug 70 (Ger)
[Lymphography in sarcoidosis] Tani P.
Z Erkr Atmungsorgane 133:470-2, Dec 70 (Ger)
[Sarcoidosis and pulmonary findings--with special reference to observation] Yamagami J.
Iryo 25:445-56, Jun 71 (Jap)
[X-ray diagnosis of lesions of the intrathoracic lymph nodes in Besnier-Boeck-Shaumann's disease (sarcoidosis)] Grubina VN.
Sov Med 33:37-40, 1970 (Rus)

SURGERY

Sarcoidosis of the nose. O'Brien P.
Br J Plast Surg 23:242-7, Jul 70

THERAPY

[Diagnosis and therapy of sarcoidosis (M. Boeck) in the maxilliofacial region] Schüle H.
Fortschr Kiefer Gesichtschir 14:225-34, 1970 (Ger)
[Treatment of sarcoidosis (Besnier-Boeck-Schaumann disease)] Breyne H.
Munch Med Wochenschr 112:1607-11, 4 Sep 70 (Ger)

VETERINARY

[Pseudotuberculosis in sheep]
Berl Munch Tieraerztl Wochenschr 84:294-5, 1 Aug 71 (Ger)

SARCOLYSINE see under MELPHALAN (D4)

SARCOMA (C2)

see also related
ROUS SARCOMA VIRUS (B4)

Sarcoma of the ethmoid in children. Wright JL, et al.
J Laryngol Otol 85:57-67, Jan 71
Myxomas and primary sarcomas of the heart. Mark LE.
Med Ann DC 39:615-21, Nov 70
[Sarcoma of the cervix uteri in a 16-year-old girl] Ganchev S, et al.
Akush Ginekol (Sofiia) 9:248-52, 1970 (Bul)
[Sarcomas of the mandible] Rintala A, et al.
Duodecim 86:1158-66, 1970 (Fin)
[Plasmocytosarcomas of the digestive tract. Apropos of 6 cases] Devambez J, et al.
Arch Fr Mal App Dig 60:13-26, Jan-Feb 71 (Fre)
[Uterine sarcoma: anatomic and clinical study of a series of 45 cases] Mousselon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:264-8, Jun-Aug 69 (Fre)
[2 cases of spontaneous malignant transformation of Recklinghausen's disease] Laugier P, et al.
Bull Soc Fr Dermatol Syphiligr 77:811-4, 1970 (Fre)
[Thoracic metastasis of thyroid cancer in adults (apropos of 35 cases)] Lamy P, et al.
J Fr Med Chir Thorac 23:605-25, Sep-Oct 69 (Fre)
[Middle ear cancer] Gignoux M, et al.
J Fr Otorhinolaryngol 18:755-7, Dec 69 (Fre)
[Alveolar sarcoma of the soft parts of the leg with pelvic lymph node metastases] Ampe J, et al.
J Sci Med Lille 89:155-8, Apr 71 (Fre)
[Sarcoma of the head of the pancreas] Ionescu M, et al.
Lyon Chir 67:230-2, May-Jun 71 (Fre)
[Gynecologic sarcoma] Bossart H, et al.
Rev Med Suisse Romande 89:657-77, Jun 69 (Fre)
[Soft part alveolar sarcoma: 2 cases] Delage C.
Union Med Can 98:1503-9, Sep 69 (Fre)
[Ovarian sarcoma in childhood] Beier U, et al.
Kinderaerztl Prax 38:172-8, Apr 70 (Ger)
[Latero-cervical primary and apparently primary tumors. (Anatomopathological and clinical study of a series of personal cases)] Guerrier Y, et al.
Arch Ital Otol 81:1-32, Jan-Feb 70 (Ita)
[Nonepithelial tumors of the prostate] Galli L, et al.
Arch Ital Urol Nefrol 42:465-77, 1969 (Ita)
[Sarcomas of the thyroid gland] Raschellà D.
Clin Otorinolaringoiatr 21:121-8, Mar-Apr 69 (Ita)
[Primary malignant tumors of the pleura] Arisi C, et al.
Minerva Chir 26:111-33, 15 Feb 71 (Ita)
[A case of primary sarcomatosis of the peritoneal serous membrane] Nicolò G, et al.
Pathologica 61:333-8, Sep-Oct 69 (Ita)
[Mesenchymal neoplasms of the thyroid. Case contribution] Pedrazzoli S, et al.
Riv Patol Clin Sper 10:85-100, Apr-Jun 69 (Ita)
[Sarcoma of the uterus] Bastos A da C, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:Suppl 2:1-4, 1970 (Por)
[Cancer of the gastric stump 19 years after its resection for sarcoma] Komarov AS.
Khirurgiia (Mosk) 45:131-3, Sep 69 (Rus)
[Duodenal tumors] Panchenkov RT, et al.
Khirurgiia (Mosk) 46:60-4, Oct 70 (Rus)
[Sarcoma of the intestine] Sukhin VS, et al.
Klin Khir 8:30-3, Aug 70 (Rus)
[Case of metastatic heart sarcoma diagnosed intravitally] Popova AP.
Klin Med (Mosk) 49:129-30, Jan 71 (Rus)
[Metastases in remote organs in malignant tumors of the nasopharynx] Kolomiichenko AI, et al.
Zh Ushn Nos Gorl Bolezn 29:43-51, Jul-Aug 69 (Rus)
[Sarcomas of the oral cavity] Di Paramo S, et al.
An Esp Odontoestomatol 29:375-84, Sep-Oct 70 (Spa)
[Malignant tumors of soft tissues. II. Clinical aspects. (Analytical clinico pathological study of 190 cases of tumors of soft tissues seen in the cancer unit of the General Hospital in the last 5 years] Montaño G, et al.
Gac Med Mex 96:892-6, Sep 66 (Spa)
[Primary malignant tumors of the liver] Lopez Garcia E. Prensa Med Argent 58:601-8, 21 May 71 (Spa)
[Breast sarcoma (examination of 35 cases)] Tansel D.
Tip Fak Mecm 32:94-7, 1969 (Tur)

CEREBROSPINAL FLUID

[Biochemical studies of cerebrospinal fluid in brain tumor patients] Tsupping RKh.
Vopr Neirokhir 35:31-5, Jan-Feb 71 (Rus)

CHEMICALLY INDUCED

Cellular analysis of renal neoplasia: light microscope study of the development of interstitial lesions induced in the rat kidney by a single carcinogenic dose of dimethylnitrosamine. Hard GC, et al.
Cancer Res 30:2806-15, Nov 70
Cellular analysis of renal neoplasia: induction of renal tumors in dietary-conditioned rats by dimethylnitrosamine, with a reappraisal of morphological characteristics. Hard GC, et al.
Cancer Res 30:2796-805, Nov 70
[Induction of skin sarcomas in albino rats by cadmium chloride] Knorre D.
Arch Geschwulstforsch 36:119-26, 1970 (Ger)
[Experimental neoplasms induced by alkylating cytostatics and alkylating antibiotics] Roth J.
Hippokrates 42:231-3, Jun 71 (Ger)
[Role of several overheated food fats in chemical cancerogenesis] Turkiia NG, et al.
Vopr Pitan 30:31-4, 1971 (Rus)

CLASSIFICATION

[Various findings on sarcomas of soft tissues] Albores Saavedra J. Gac Med Mex 96:897-902, Sep 66 (Spa)
[Sarcoma of the breast] Kleinman S.
Rev Med Chil 97:655-8, Oct 69 (Spa)

COMPLICATIONS

Retroperitoneal fibrosis associated with pelvic sarcoma. Report of a case. Nasr M, et al.
Obstet Gynecol 36:606-10, Oct 70
Acquired pulmonary stenosis. Littler WA, et al.
Thorax 25:465-71, Jul 70
[Giant melanoma in children and a tumor with a sarcomatous structure] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 77:428-30, 1970 (Fre)
[Neoplastic occlusions of the duodenum and of the small intestine andtheir relationship to age]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Fagarasanu I.
Bull Soc Int Chir 29:149-52, May-Jun 70 (Fre)
[Sarcomatous degeneration of benign tumors of the facial skeleton] Spiessl B, et al.
Fortschr Kiefer Gesichtschir 14:28-33, 1970 (Ger)
[Sarcoma in the digestive tract in lymphoreticular systemic diseases] Hartwich G, et al.
Med Klin 65:2120-6, 27 Nov 70 (Ger)
[Acute onset of a bronchopneumonic disorder in an unusual case of malignant bronchial mesenchymal neoplasm] Galassi A, et al.
Arch Monaldi 25:364-77, Sep-Oct 70 (Ita)
[Perforation of the jejunum into the free peritoneum caused by histiocytosarcoma] Cantalupo C.
Rass Int Clin Ter 50:775-81, 30 Jun 70 (Ita)
[Endometrial stromal sarcoma arising from ectopic endometriosis] Taguchi K, et al.
Jap J Cancer Clin 17:485-9, Jun 71 (Jap)
[Coexistence of carcinoma and sarcoma of the right vocal cord] Kociolek G, et al.
Otolaryngol Pol 24:567-8, 1970 (Pol)

DIAGNOSIS

Evaluation of current diagnosis and treatment of primary malignant tumors of the bone. Copeland MM.
Arq Patol 42:3-11, 1970
Renal sarcoma. Jenkins JD, et al.
Br J Urol 43:263-7, Jun 71
Epitheloid sarcoma. A sarcoma simulating a granuloma or a carcinoma. Enzinger FM.
Cancer 26:1029-41, Nov 70
Primary sarcoma of the lung. Martini N, et al.
J Thorac Cardiovasc Surg 61:33-8, Jan 71
Cytological diagnosis of the sarcomas of the C.N.S. by smear technique. Schiffer D, et al.
Minerva Neurochir 15:14-7, 1971
[Pseudotumor of the calcaneus in hemophilia] Tošovský V, et al.
Acta Chir Orthop Traumatol Cech 37:364-6, Dec 70 (Cze)
[Sarcomas of soft tissues in the motor apparatus] Landrgót B, et al.
Bratisl Lek Listy 54:443-51, Oct 70 (Cze)
[Pseudo-sarcromatous uterine epithelioma. Diagnostic problems] Gautier P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:462-3, Nov-Dec 68 (Fre)
[Pseudosarcoma lesions of the soft tissues] Bonenfant JL. Laval Med 41:18-9, Jan 70 (Fre)
[The diagnosis of primary heart tumors] Bender F, et al. Dtsch Med Wochenschr 96:1338, Aug 71 (Ger)
[Sarcoma of the lung] Bopp F.
Pneumonologie 142:42-58, 1970 (Ger)
[First results of a study with the gastrocamera GFB] Gütz HJ.
Z Gesamte Inn Med 26:Suppl:44-5, 1 Mar 71 (Ger)
[Rare laparoscopic findings] Sensing H.
Z Gesamte Inn Med 26:74-8, 15 Jan 71 (Ger)
[Tumorous, pseudosarcomatous lesions of the striated muscle "proliferative myositis"] Szücs L.
Zentralbl Allg Pathol 114:239-44, 1971 (Ger)
[Malignant tumors of the small intestine] Hoffmann E, et al. Zentralbl Chir 96:7-18, 2 Jan 71 (Ger)
[Alveolar sarcoma of the soft tissues with bone involvement] Campanacci M, et al.
Chir Organi Mov 59:263-70, 1970 (Ita)
[Tumors of the heart. Progress in diagnosis and therapy] Feruglio GA.
Minerva Med 61:5405-19, 28 Nov 70 (Ita)
[Anatomo-clinical report of a case of proliferative pseudosarcomatous myositis] Filotico M, et al.
Tumori 56:103-7, Mar-Apr 70 (Ita)
[Femoral osteitis simulating a neoplasm] Straszecki L, et al. Wiad Lek 23:1571-4, 15 Sep 70 (Pol)
[Differential diagnosis of primary sarcomas and glioblastomas of the brain] Verkhogliadova TP, et al.
Klin Khir 10:55-8, Oct 69 (Rus)
[Pseudo-sarcomatous nodular fasciitis] Garrido Neves R, et al. An Bras Dermatol 45:305-16, Oct-Dec 70 (Spa)
[Sarcoma of the uterus. Clinico-pathological analysis of 10 cases] Delgado Urdapilleta J, et al.
Ginecol Obstet Mex 29:425-30, Apr 71 (Spa)

DRUG THERAPY

Response of endometrial stromal sarcoma to cyclophosphamide. Hoovis ML.
Am J Obstet Gynecol 108:1117-9, 1 Dec 70
Chemotherapy in the treatment of soft tumours. Wiltshaw E. Br J Radiol 44:650-1, Aug 71
Enzyme alterable alkylating agents. XI. Clinical trials of an esterase-susceptible water-soluble agent (S-73) for regional chemotherapy. Bakal D, et al.
J Surg Res 11:217-23, May 71
[The place of intra-arterial chemotherapy in the treatment of the cancer of the breast] Dargent M, et al. Ann Chir 25:153-64, Feb 71 (Fre)
[Chemotherapy of solid tumors. Epitheliomas and sarcomas of non-hematopoietic organs] Clavel B.
Sem Hop Paris 47:1439-48, 8 May 71 (Fre)
[Regional perfusion in the treatment of malignant tumors of the limbs] Schroth R.
Dtsch Gesundheitsw 26:1410-1, 22 Jul 71 (Ger)
[Chemotherapy of malignant gynecologic neoplasms] Huber R, et al.
Zentralbl Gynaekol 92:966-70, 25 Jul 70 (Ger)
[Incorporation of H3-thymidine into the DNA of cells of surviving slices of transplantable tumors, sensitive and resistant to sarcolysine] Merkulov MF, et al.
Farmakol Toksikol 33:715-23, 1970 (Rus)
[Transplantibility of sarcoma 180 and 298 cells after their preliminary incubation with 5-fluorouracil] Merkulov MF, et al.
Farmakol Toksikol 34:323-8, May-Jun 71 (Rus)
[Effect of dipin and degranol on the kidney function and water-electrolyte composition of the tumor and blood in rats with sarcoma 45] Pashinskiĭ VG.
Farmakol Toksikol 34:320-3, May-Jun 71 (Rus)

ETIOLOGY

Malignant change in sphenoid sinus fibrous dysplasia. Townsend GL, et al.
Arch Otolaryngol 92:267-71, Sep 70
Pet association with selected human cancers: a household questionnaire survey. Hanes B, et al.
J Natl Cancer Inst 45:1155-62, Dec 70
[Unilateral exophthalmia caused by the sarcomatous degeneration of Paget's bone disease] Ravault MP, et al. Bull Soc Ophtalmol Fr 70:509-11, Apr 70 (Fre)
[2 osseous radiosarcomas] Clément R, et al.
J Radiol Electrol Med Nucl 50:721, Oct 69 (Fre)
[Bone neoplasm and trauma] Liebegott G.
Hefte Unfallheilkd 107:18-33, 1970 (Ger)
[Brain neoplasms and trauma] Zülch KJ.
Hefte Unfallheilkd 107:33-44, 1970 (Ger)
[Sarcomatous degeneration along with a contribution on the problem of sarcoma and trauma] Elmendorff H von, et al.
Langenbecks Arch Chir 321:99-113, 1968 (Ger)
[Clinical contribution to uterine sarcoma] Zichel R, et al. Med Klin 65:888-91, 1 May 70 (Ger)
[Case of recurrent hemorrhage in a patient who underwent gastroresection for duodenal ulcer: sarcoma of the duodenum] Arisi C, et al.
Minerva Chir 26:352-62, 15 Apr 71 (Ita)
[Post-radiation soft tissue sarcoma] Daniel'-Bek KV, et al. Med Radiol (Mosk) 16:20-4, Mar 71 (Rus)
[Testicular sarcoma as the consequence of a gunshot wound] Rill A. Lijec Vjesn 92:479-82, 1970 (Cro)

FAMILIAL & GENETIC

Rhabdomyosarcoma in children: epidemiologic study and identification of a familial cancer syndrome. Li FP, et al. J Natl Cancer Inst 43:1365-73, Dec 69
[New data on the chromosome structure of the Sticker sarcoma] Seliyei M, et al.
Z Krebsforsch 74:7-14, 1970 (Ger)

IMMUNOLOGY

Immunosuppression by 5-fluorouracil. Mitchell MS, et al. Cancer 26:884-9, Oct 70
Search for common antigenicities among twenty-five sarcomas induced by methylcholanthrene. Basombrío MA. Cancer Res 30:2458-62, Oct 70
Demonstration of cell-mediated immunity to human neoplasms of various histological types. Hellström I, et al. Int J Cancer 7:1-16, 15 Jan 71
Tumor-distinctive cellular immunity to human sarcoma and carcinoma. Vánky F, et al.
Isr J Med Sci 7:211-20, Jan 71
Cellular immunity to human sarcoma. Vánky F, et al.
J Natl Cancer Inst 46:1145-51, Jun 71
Host immune response to a common cell-surface antigen in human sarcomas. Wood WC, et al.
N Engl J Med 284:569-72, 18 Mar 71
Acceleration by thymosin of the development of resistance to murine sarcoma virus-induced tumor in mice. Zisblatt M, et al.
Proc Natl Acad Sci USA 68:1170-4, Aug 70
Microcytotoxicity test: detection in sarcoma patients of antibody cytotoxic to human sarcoma cells. Wood WC, et al. Science 170:1318-20, 18 Dec 70
Immunologic and immunotherapeutic studies with human sarcomas. Eilber FR, et al.
Surg Forum 21:127-9, 1970
[A study of the antigenic structure of human sarcoma by the agar precipitation method] Gorodilova VV, et al. Vopr Onkol 16:48-52, 1970 (Rus)

METABOLISM

Formation of extracellular adenosine triphosphate by normal and neoplastic human cells in culture. Agren G, et al. J Cell Physiol 77:331-6, Jun 71
Collagenolytic activity of sarcoma tissues in culture. Taylor AC, et al. Nature (Lond) 228:368-7, 24 Oct 70
[Quantitative differences in energy metabolism between embryonal fibroblasts of mice and various sarcomas of mice in primary culture] Schwabe K.
Arch Geschwulstforsch 33:39-48, 1969 (Ger)
[Effect of dipin and degranol on the kidney function and water-electrolyte composition of the tumor and blood in rats with sarcoma 45] Pashinskiĭ VG.
Farmakol Toksikol 34:320-3, May-Jun 71 (Rus)
[Incorporation of tritiated thymidine into human brain tumor cells] Arkhangel'skiĭ VV, et al.
Vopr Neirokhir 35:15-21, Jan-Feb 71 (Rus)

MICROBIOLOGY

The present status of the leukemia-sarcoma complex in man and lower animals. Theilen GH.
J Am Vet Med Assoc 157:1742-52, 1 Dec 70 (109 ref.)
[The viral etiology of human sarcomas] Bergol'ts VM.
Vopr Virusol 15:515-7, Sep-Oct 70 (Rus)

OCCURRENCE

Cancer among men on cholesterol-lowering diets. Ederer F, et al. Lancet 2:203-6, 24 Jul 71
Primary carcinoma of the gallbladder. Salwan F, et al.
Ohio State Med J 67:47-51, Jan 71
[Incidence of primary malignant tumors of the musculoskeletal system in a population from 11 countries] Blankenburg H.
Beitr Orthop Traumatol 17:31, Jan 70 (Ger)
[Experiences with malignant tumors of the gallbladder] Schmauss AK, et al.
Dtsch Z Verdau Stoffwechselkr 30:80-7, 1970 (Ger)

PATHOLOGY

Report of a case of malignant transformation in benign mixed tumor of the lacrimal gland. Riley FC, et al.
Am J Ophthalmol 70:767-70, Nov 70
Malignant granular cell myoblastoma: report of a case. Kubacz GJ. Aust NZ J Surg 40:291-5, Feb 71
Soft tissue sarcoma--pathology and surgery. Westbury G. Br J Radiol 44:650, Aug 71
Electron microscopic evidence suggesting the myogenous derivation of the so-called alveolar soft part sarcoma. Fisher ER, et al. Cancer 27:150-9, Jan 71
Electron microscopic observations on structures resembling myxovirus in human sarcomas. Györkey F, et al. Cancer 27:1449-54, Jun 71
Fine structure of endometrial stromal sarcoma. Komorowski RA, et al. Cancer 26:1042-7, Nov 70
The myothelia (myoepithelial cells). Normal state; regressive changes; hyperplasia; tumors. Hamperl H.
Curr Top Pathol 53:161-220, 1970 (179 ref.)
Endometrial stromal sarcoma. Srivastava VK, et al.
Indian J Cancer 8:134-6, Jun 71
Benign chondroblastoma of bone. Report of a case of malignant transformation. Sirsat MV, et al.
J Bone Joint Surg [Br] 52:741-5, Nov 70
The fine structure of canine gliomas and intracranial sarcomas induced by the Schmidt-Ruppin strain of the Rous sarcoma virus. Vick NA, et al.
J Neuropathol Exp Neurol 30:354-67, Jul 71
Brain tumor of mixed mesenchymal and neuroepithelial origin. Case report. Shuangshoti S, et al. J Neurosurg 34:808-13, Jun 71
A breast sarcoma containing rhabdomyosarcomatous and other metaplastic elements. Bird CC.
J Pathol 101:286-9, Jul 70
Alveolar soft part sarcoma: a case report. Sengupta S, et al. Med J Malaya 25:70-2, Sep 70
Aponeurotic sarcoma. Laskowski J.
Pol Med J 10:12-7, 1971
Restoration of several morphological characteristics of normal fibroblasts in sarcoma cells treated with adenosine-3':5'-cyclic monphosphate and its derivatives. Johnson GS, et al.
Proc Natl Acad Sci USA 68:425-9, Feb 71
Malignant teratoma of the spleen. Daftary M, et al.
Yale J Biol Med 43:283-7, Feb-Apr 71
[Ultrastructural arguments for the muscular origin of alveolar sarcoma of soft parts] Fabre J, et al.
Ann Anat Pathol (Paris) 15:369-82, Jul-Sep 70 (Fre)
[Riopelle's tumor. 2. Histogenesis and conclusion] Roujeau J, et al.
Ann Urol (Paris) 4:149-57, Sep 70 (Fre)
[Clear-cell sarcoma of sheaths and tendons. Apropos of a case] Cammoun M, et al.
Arch Anat Pathol (Paris) 18:191-8, Sep 70 (Fre)
[Carcinosarcoma. Case of malpighian epithelioma of the pyriform sinus with pseudosarcomatous reaction of the stroma] Verhest A, et al.
Bull Cancer (Paris) 55:429-37, Jul-Sep 68 (Fre)
[Clear cell alveolar sarcoma of the tendons] Garneau R.
Laval Med 40:279-80, Mar 69 (Fre)
[Malignant pleural tumors] Lennartz KJ, et al.
Med Welt 1:7-13, 2 Jan 71 (Ger)
[Malignant granulated-cell tumor of the skin (synonyma: alveolar soft-tissue sarcoma, malignant granular myoblastoma)] Gartmann H, et al.
Z Haut Geschlechtskr 45:717-26, 15 Oct 70 (Ger)
[Pathology and therapy of testicular tumors in children] Willnow U, et al.
Z Urol Nephrol 63:827-39, Nov 70 (Ger)
[Pericardial sarcoma] Rehrmann B.
Zentralbl Allg Pathol 114:220-6, 1971 (Ger)
[Sarcomatous transformed fibromas of the male mammary gland] Hoffmann K, et al.
Zentralbl Chir 95:864-70, 30 May 70 (Ger)
[Structural aspects of pulmonary sarcoma] Aliperta A, et al.
Arch Ital Mal Appar Resp 24:699-709, Sep 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[On laryngeal sarcoma: case presentation] Buratti C. Atti Accad Med Lomb 23:144-51, Apr-Jun 68 (Ita)
[Histomorphological aspects of sarcoma of the uterus] Cargnello U, et al.
Friuli Med 24:531-52, Sep-Oct 69 (Ita)
[Biological, histological and histochemical contribution to the study of intracerebral sarcomas. I. Giant cell sarcomas] Schiffer D, et al.
Minerva Neurochir 13:129-36, 1969 (Ita)
[A case of sarcoma of the soft parts of the thigh with peculiar anatomo-pathological and clinical course] Mattioli F, et al.
Pathologica 61:407-14, Nov-Dec 69 (Ita)
[Anatomical and clinical findings on sarcomatous tumors of the breast] Tedeschi F, et al.
Riv Anat Patol Oncol 33:375-404, 1968 (Ita)
[On "mesoectodermic structure" neoplasms of the spinal marrow] Melis M, et al.
Riv Neurobiol 15:3-20, Jan-Mar 69 (Ita)
[Mesenchymal malignant tumors of the thyroid] Veronesi U, et al. Tumori 55:417-22, Nov-Dec 69 (Ita)
[Case of alveolar soft-part sarcoma] Oara H, et al.
Jap J Cancer Clin 17:469-71, Jun 71 (Jap)
[Sarcoma aponeuroticum. (Clinical course of neoplasm in case of several recurrences)] Wojnerowicz C, et al.
Patol Pol 21:635-41, Oct-Dec 70 (Pol)
[Retroperitoneal tumors] Smiech-Brudnik B, et al.
Pol Tyg Lek 25:1292-4, 24 Aug 70 (Pol)
[Alveolar soft part sarcoma] Ostrowski L, et al.
Wiad Lek 23:1515-20, 1 Sep 70 (Pol)
[Clinico-cytological diagnosis of soft-tissue sarcoma in children] Krasovskaia VP.
Vestn Khir 104:113-8, Apr 70 (Rus)
[The cytologic picture of thyroid gland cancer] Nikitina NI. Vopr Onkol 16:12-8, 1970 (Rus)
[Sarcoma of the external auditory meatus in a 3-year-old boy] Fishbein AV, et al.
Zh Ushn Nos Gorl Bolezn 29:104, Jul-Aug 69 (Rus)

PHYSIOPATHOLOGY

[Participation of the kidneys in extrinsic diseases] Sommo G, et al. Pathologica 59:441-5, Nov-Dec 67 (Ita)

RADIOGRAPHY

Angiography in mass lesions of the extremities. Herzberg DL, et al.
Am J Roentgenol Radium Ther Nucl Med 111:541-6, Mar 71
Abnormal maxillary antrum in superior alveolar ridge tumors and granulomas. Wilner HI, et al.
Am J Roentgenol Radium Ther Nucl Med 112:361-5, Jun 71
Tumors of the nasopharynx. Jing BS.
Radiol Clin North Am 8:323-42, Dec 70 (52 ref.)
Cerebral manifestations of alveolar soft-part sarcoma. Rosenbaum AE, et al. Radiology 99:109-15, Apr 71
[Value of hysterography for the diagnosis of uterine sarcoma] Musset R, et al.
Gynecol Obstet (Paris) 70:165-78, Mar-Apr 71 (Fre)
[Angiographic picture of primary sarcomata of the brain] Grądzki J. Pol Przegl Radiol 35:201-8, 1971 (Pol)
[Errors in the diagnosis of osteomyelitis] Sviridov SA, et al. Ortop Travmatol Protez 31:13-9, Nov 70 (Rus)
[Clinical and roentgen diagnosis of sarcoma of the rectum and large intestine] Shniger NU, et al.
Vopr Onkol 16:28-33, 1970 (Rus)
[Significance of lymphography in the diagnosis of tumors of the osteoarticular system] Makal F.
Bratisl Lek Listy 54:407-13, Oct 70 (Slo)

RADIOTHERAPY

Radiotherapy in the management of soft tissue sarcomas. Dische S. Br J Radiol 44:650, Aug 71
Radiation therapy in management of soft-tissue sarcomas. Suit HD, et al. Tex Med 67:60-3, Mar 71
[Treatment of sarcoma of the choroid by Stallard discs] Haye C, et al.
Bull Soc Ophtalmol Fr 68:468-70, Apr 68 (Fre)
[Radiotherapy of bone tumors] Heilmann HP.
Dtsch Med Wochenschr 96:473-4, 12 Mar 71 (Ger)
[Primary sarcoma of the palatine tonsil with special reference to reticulosarcoma. I. Clinical aspect, prognosis and results of radiation therapy] Halama J.
HNO 19:19-22, Jan 71 (Ger)
[Radiation therapy of bronchial carcinoma] Franke HD, et al. Internist (Berlin) 11:334-43, Sep 70 (Ger)
[Germinal testicular neoplasms] Schaudig G, et al.
Strahlentherapie 141:495-507, May 71 (Ger)
[Mega-volt therapy of malignant stomach neoplasms] Wieland C, et al.
Strahlentherapie 140:20-6, Jul 70 (Ger)
[Neutron capture therapy of malignant neoplasms] Riabukhin IuS.
Med Radiol (Mosk) 15:81-91, Aug 70 (92 ref.) (Rus)
[Possibility of restoration of the bone as an organ in radiation therapy of bone neoplasms] Velichkov LG, et al.
Vestn Rentgenol Radiol 45:26-31, Nov-Dec 70 (Rus)
[Cytogenetic study of oncogynecologic patients during telegammatherapy] Berlin LB, et al.
Vopr Onkol 16:17-21, 1970 (Rus)
[Malignant tumors of soft tissues. V. Radiotherapy] Díaz Perches R, et al.
Gac Med Mex 96:905-10, Sep 66 (Spa)

SURGERY

Sarcomas of the stomach. Cathcart RS 3d, et al.
Ann Surg 173:398-402, Mar 71
Soft tissue sarcoma--pathology and surgery. Westbury G. Br J Radiol 44:650, Aug 71
Experience with surgical treatment of the malignant thyroid. Hájek M, et al. Int Surg 55:327-30, May 71
Pelvic exenteration for primary carcinoma of the uterine cervix. Deckers PJ, et al.
Obstet Gynecol 37:647-59, May 71
Soft tissue sarcomas involving the extremities and the limb girdles: a review. Thompson DE, et al.
South Med J 64:33-44, Jan 71 (33 ref.)
[Follow-up of patients after surgery for malignant goiter] Hájek M, et al.
Rozhl Chir 50:293-5, May 71 (Cze)
[Primary lung cancer] Pijper MM, et al.
Ned Tijdschr Geneeskd 115:101-7, 16 Jan 71 (Dut)
[Malignant disorders of the vulva] Aartsen EJ.
Ned Tijdschr Verloskd Gynaecol 70:369-87, Oct 70 (Dut)
[155 cases of cancer of the pancreas. Surgical indications. Results] Salembier Y.
J Chir (Paris) 100:285-90, Oct 70 (Fre)
[A case of malignant degeneration in Paget's disease] Fourrier P, et al. Lyon Chir 65:594-6, Jul-Aug 69 (Fre)
[Quality and therapie of mesenchymal soft tissue tumors. Analysis of 2500 tumors] Gläser A.
Beitr Orthop Traumatol 16:785-7, Dec 69 (Ger)
[Clinical aspects and therapy of jaw sarcoma] Fries R.
Fortschr Kiefer Gesichtschir 14:146-50, 1970 (Ger)
[Chest wall neoplasms. Experiences in 138 surgical cases] Junginger T, et al.
Klin Wochenschr 49:628-34, 1 Jun 71 (Ger)
[Case of primary sarcoma of the gallbladder] Tamaki I, et al. Jap J Cancer Clin 17:229-31, Mar 71 (Jap)
[Malignant tumors of soft tissues. IV. Surgical treatment] Beltrán Ortega A.
Gac Med Mex 96:902-4, Sep 66 (Spa)

THERAPY

Evaluation of current diagnosis and treatment of primary malignant tumors of the bone. Copeland MM.
Arq Patol 42:3-11, 1970
Management of vascular tumors of the nasal cavity by combined irradiation and surgery. Wang CC.
Eye Ear Nose Throat Mon 49:90-2, Feb 70
Immunologic and immunotherapeutic studies with human sarcomas. Eilber FR, et al.
Surg Forum 21:127-9, 1970
[Therapeutic results and prognosis in 92 cases of maxillofacial sarcoma] Schuchardt K, et al.
Fortschr Kiefer Gesichtschir 14:172-7, 1970 (Ger)
[PH determination in the brain and two-fold approach in the multiple-step cancer therapy concept. Possibilities of including the brain in the therapeutically tangible area of the body in multiple-step cancer therapy] Ardenne M von, et al.
Klin Wochenschr 48:658-68, 1 Jun 70 (Ger)
[The results of treatment of maxillary sarcomas] Musaev KD. Vopr Onkol 16:72-5, 1970 (Rus)

VETERINARY

Immunodiffusion studies of feline leukemia and sarcoma. Hardy WD Jr.
J Am Vet Med Assoc 158:Suppl 2:1060+, 15 Mar 71
Neutralization tests for feline leukemia and sarcoma. Post JE, et al.
J Am Vet Med Assoc 158:Suppl 2:1088+, 15 Mar 71
An immunofluorescent test for feline leukemia and sarcoma virus antigens and antibodies. Riggs JL.
J Am Vet Med Assoc 158:Suppl 2:1085+, 15 Mar 71
The natural history of malignant lymphoma and sarcoma in cats and their associations with cancer in man and dog. Schneider R.
J Am Vet Med Assoc 157:1753-8, 1 Dec 70
[New data on the chromosome structure of the Sticker sarcoma] Sellyei M, et al.
Z Krebsforsch 74:7-14, 1970 (Ger)

SARCOMA 37 (C2)

[Transplantation of experimental tumors, results with sarcoma 37 in different strains of mice] Patrício MB, et al. Arq Patol 41:281-8, Dec 69 (Spa)

BLOOD

Genetic regulation of plasma corticosterone concentration and its response to castration and allogeneic tumour growth in the mouse. Wolff GL, et al. Nature [New Biol] 232:181-2, 11 Aug 71

COMPLICATIONS

Tumor hemorrhagic properties of surface components of Salmonella typhimurium mutants. Wasilauskas BL, et al. Cancer 27:217-22, Jan 71

DRUG THERAPY

[Production conditions and properties of the new antineoplastic antibiotic No. 294] Brazhnikova MG, et al. Antibiotiki 15:675-8, Aug 70 (Rus)
[Screening of antineoplastic antibiotics inhibiting nucleic acid synthesis] Ivanitskaia LP, et al.
Antibiotiki 16:115-9, Feb 71 (Rus)
[The antitumor properties of polysaccharide complexes from several bacteria of the genus Pseudomonas] Shvaiger MO, et al.
Mikrobiol Zh 32:105-10, Jan-Feb 70 (Ukr)

MICROBIOLOGY

Morphological transformation of mouse and rat embryo cells in vitro by an agent from S37 ascites tumour. Rasheed S. Br J Cancer 25:142-8, Mar 71

SARCOMA 180, CROCKER (C2)

[Effect of some peptides with antitumoral activity on LDH and pyruvic decarboxylase] De Barbieri A, et al.
Boll Soc Ital Biol Sper 47:94-7, 15 Feb 71 (Ita)

DRUG THERAPY

A search for antitumor compounds. 8. Biologic studies. Antitumor properties of 17 new 1-nitro-9-aminoacridine derivatives. Hrabowska M, et al. Arch Immunol Ther Exp (Warsz) 18:557-70, 1970
Fractionation and purification of the polysaccharides with marked antitumor activity, especially lentinan, from Lentinus edodes (Berk.) Sing. (an edible mushroom). Chihara G, et al.
Cancer Res 30:2776-81, Nov 70
Growth of Sarcoma 180 in mice treated with combinations of thymus antiserum and chloramphenicol. Anigstein L, et al.
Tex Rep Biol Med 29:1-11, Spring 71
[Anti-tumor activity and side reaction of bacterial component] Umezawa I.
Jap J Antibiot 23:287-97, Jun 70 (Jap)
[Production conditions and properties of the new antineoplastic antibiotic No. 294] Brazhnikova MG, et al. Antibiotiki 15:675-8, Aug 70 (Rus)
[Screening of antineoplastic antibiotics by means of the phage induction method] Fadeeva NP, et al.
Antibiotiki 16:236-9, Mar 71 (Rus)
[Screening of antineoplastic antibiotics inhibiting nucleic acid synthesis] Ivanitskaia LP, et al.
Antibiotiki 16:115-9, Feb 71 (Rus)
[Incorporation of H3-thymidine into the DNA of cells of surviving slices of transplantable tumors, sensitive and resistant to sarcolysine] Merkulov MF, et al.
Farmakol Toksikol 33:715-23, 1970 (Rus)
[Transplantibility of sarcoma 180 and 298 cells after their preliminary incubation with 5-fluorouracil] Merkulov MF, et al.
Farmakol Toksikol 34:323-8, May-Jun 71 (Rus)
[Effect of thiophosphamide on the incorporation of H3-thymidine into the DNA of cells of surviving transplantable tumor sections sensitive and resistant toward the agent] Merkulov MF, et al.
Farmakol Toksikol 34:91-7, 1971 (Rus)
[The anti-tumor effect of several mono- and di-chlor-sym.triazine derivatives] Maliugina LL, et al.
Vopr Onkol 16:76-83, 1970 (Rus)

ENZYMOLOGY

Inhibition of inosinic acid dehydrogenase by 6-chloropurine nucleotide. Anderson JH, et al.
Biochem Pharmacol 18:2735-45, Oct 69
Inhibition of inosinic acid dehydrogenase of sarcoma 180 ascites cells by nucleotides and their analogs. Anderson JH, et al.
Biochem Pharmacol 18:2747-57, Oct 69
Cytochemical evaluation of alkaline and acid phosphatases in tumour cells towards puromycin action. Chowdhury JR, et al.
Indian J Cancer 7:110-2, Jun 70

IMMUNOLOGY

Immunosuppressive activity of the oncogenic purine derivative 3-hydroxyxanthine. Teller MN, et al.
Isr J Med Sci 7:66-71, Jan 71
Lentinan, a new immuno-accelerator of cell-mediated responses. Maeda YY, et al.
Nature (Lond) 229:634, 26 Feb 71
Use of sarcoma 180 to prepare hemagglutinating and complement-fixing antigens for viruses in adult mice. Mettler NE, et al.
Proc Soc Exp Biol Med 136:1355-9, Apr 71

METABOLISM

Uptake and distribution of 4,4'-diacetyl-diphenyl-urea-bis-guanylhydrazone in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sensitive and resistant sarcoma 180 cells in vitro. Hakala MT. Biochem Pharmacol 20:81-95, Jan 71
Initiation of polysome formation in mouse sarcoma 180 ascites cells. Utilization of cytoplasmic messenger ribonucleic acid. Lee SY, et al. Biochemistry 10:895-900, 2 Mar 71
Lipid metabolism in cultured cells: growth of tumor cells deficient in essential fatty acids. Bailey JM, et al. Cancer Res 31:91-7, Feb 71
Metabolic effects of some tumor-inhibitory pyridine carboxaldehyde thiosemicarbazones. Booth BA, et al. Cancer Res 31:228-34, Mar 71
Biological effects of anthramycin methyl ether. II. Inhibition of DNA synthesis in the intestinal epithelium and sarcoma-180 tumor cells. Sigdestad CP, et al. Chemotherapy 15:297-303, 1970
Cytotoxic effects of exogenous d-Galactosamine on experimental tumors. St. Arneault G, et al. Int J Cancer 7:483-90, 15 May 71
Feedback inhibition of purine biosynthesis in adenocarcinoma 755 and sarcoma 180 cells in culture. Dixon GJ, et al. J Natl Cancer Inst 45:681-5, Oct 70
[Incorporation in vitro of DL-leucine-1-C14 into the proteins of the cells of Yoshida's ascites hepatoma and of ascitic sarcoma 180 in presence of various concentrations of albumin] Agostini C, et al. Boll Soc Ital Biol Sper 45:776-8, 15 Jun 69 (Ita)
[Cytochemical analysis of the effect of antineoplastic antibiotic reumycin] Shtegel'man LA. Antibiotiki 15:1021-5, Nov 70 (Rus)
[Effect of bacterial polysaccharides from Bacterium prodigiosum on the distribution of 131-I labelled fibrinogen in mice with sarcoma 180 (Crocker's)] Gasperovich NV, et al. Biull Eksp Biol Med 68:79-81, Jun 69 (Rus)

PATHOLOGY

Proliferation kinetics of sarcoma-180. Nishioka B. Gann 61:563-8, Dec 70
Enhancement of metastases by L-asparaginase in a mouse tumour system. Deodhar SD. Nature (Lond) 231:319-21, 4 Jun 71
[Megakaryocytes and experimental neoplasms. 3. Study of bone marrow in animals inoculated intraperitoneally] Kastner MR. Mem Inst Oswaldo Cruz 69:153-7, 1971 (Por)
[Megakaryocytes and experimental neoplasias. 4. Study of the lung, liver adrenals and lymph nodes] Kastner MR de. Mem Inst Oswaldo Cruz 69:159-67, 1971 (Por)

PREVENTION & CONTROL

[Preventive immunization and immunotherapy of Ehrlich carcinoma and Crocker sarcoma in mice] Zatula DG. Biull Eksp Biol Med 67:62-4, 1969 (Rus)

RADIOTHERAPY

Mitotic inhibition and its relation to survival in S-180 ascites tumor cells in vivo following fractinoated exposures of x-radiation. Evans TC, et al. Radiat Res 45:85-93, Jan 71

SURGERY

[Effects of infiltrative novocaine analgesia on the surgical curability of Sa 180 in mice] Meyza J. Pol Tyg Lek 26:819-20, 31 May 71 (Pol)

THERAPY

Comparative effects of heating and fasting in mice, with particular reference to development of Sarcoma 180. Cioli V, et al. Br J Cancer 25:149-57, Mar 71
[Preventive immunization and immunotherapy of Ehrlich carcinoma and Crocker sarcoma in mice] Zatula DG. Biull Eksp Biol Med 67:62-4, 1969 (Rus)

SARCOMA, EWING'S (C2)

Ewing's sarcoma of the hand. Dick HM, et al. J Bone Joint Surg [Am] 53:345-8, Mar 71
Ewing's tumor of the talus. A case report. Pandey S. J Bone Joint Surg [Am] 52:1672-3, Dec 70
Ewing's sarcoma. Carl W, et al. Oral Surg 31:472-8, Apr 71
[Angiectasias, hamartomas, and vascular neoplasms of the skeleton (angiomas, hemangioendotheliomas, hemangiosarcomas)] Campanacci M, et al. Chir Organi Mov 58:472-98, 1970 (Ita)

DIAGNOSIS

[Localisation and prognosis of the Ewing sarcoma] Kleinod G. Beitr Orthop Traumatol 16:774-6, Dec 69 (Ger)
[Evaluation of radioisotope diagnosis of skeletal tumors] Knysh IT, et al. Vopr Onkol 17:29-36, 1971 (Rus)

PATHOLOGY

On the origin of Ewing's tumor. Kadin ME, et al. Cancer 27:257-73, Feb 71
[Ewing type reticular sarcoma of bone marrow. Optic, histochemical and electron study of 2 cases] Llombart A Jr, et al. Ann Anat Pathol (Paris) 15:431-52, Oct-Dec 70 (Fre)

RADIOGRAPHY

Arteriography in Ewing's tumor. Kittredge RD. Radiology 97:609-10, Dec 70
[Roentgen-morphologic studies on new growth of the bone in malignant tumors of the skeleton] Zeschkowski MS, et al. Radiol Diagn (Berl) 11:61-70, 1970 (Ger)

RADIOTHERAPY

[Radiation therapy of Ewing's sarcoma] Haass F, et al. Strahlentherapie 140:133-42, Aug 70 (Ger)
[New radiotherapeutic aspects in the treatment of extensive bone neoplasms] Kärcher KH, et al. Strahlentherapie 140:50-2, Jul 70 (Ger)
[Radiotherapy of malignant bone neoplasms] Kuttig H, et al. Strahlentherapie 140:1-7, Jul 70 (Ger)

SURGERY

[Clinical picture of osteogenic sarcoma, osteogenic chondrosarcoma and Ewing's sarcoma] Stefański W, et al. Pol Przegl Chir 43:149-54, Feb 71 (Pol)

THERAPY

Altered pattern of metastasis following treatment of Ewing's sarcoma with radiotherapy and adjuvant chemotherapy. Marsa GW, et al. Cancer 27:1051-4, May 71
A case of Ewing's sarcoma. Schierbeek P. Pract Otorhinolaryngol (Basel) 32:181-2, 1970

SARCOMA, EXPERIMENTAL (C2)

Hybrid cells in solid tumors. Janzen HW, et al. Cancer 27:455-9, Feb 71
Homofolate and tetrahydrohomofolate, inhibitors of purine synthesis. Hakala MT. Cancer Res 31:813-6, Jun 71
Non-reciprocal contact inhibition. Heaysman JE. Experientia 26:1344-5, 15 Dec 70
Experimental studies on the intrapulpal transplantation of Tawa sarcoma in the rat. Tsurumi N, et al. Gann 62:21-5, Feb 71
Attachment of ribosomes to membranes during polysome formation in mouse sarcoma 180 cells. Lee SY, et al. J Cell Biol 49:683-91, Jun 71
Cellular interactions in vitro with cells derived from tumors induced by murine sarcoma virus (Harvey). Simons PJ, et al. J Natl Cancer Inst 46:1229-42, Jun 71
Syngeneic serum and ascitic fluid in enzymatically produced tumour cell suspensions. I. Preservation of viability and single cell state during short-term storage. Knutson F, et al. Pathol Eur 6:34-42, 1971
Birth, death and net growth of normal, transforming, neoplastic and malignant cell lines. Decrease of death rate in neoplastic alteration. Norrby K, et al. Pathol Eur 6:56-74, 1971
In vivo enhancement of a murine sarcoma virus by diethylaminoethyl-dextran. Gazdar AF, et al. Proc Soc Exp Biol Med 137:310-4, May 71
The development of trypanosomes, leishmaniae and ascitic tumour cells in the testicles of laboratory animals. Heisch RB, et al. Trans R Soc Trop Med Hyg 64:679-82, 1970
[Influence of vitamin B6 on the appearance and development of solid IRE reticulosarcoma in the rat] Curci E, et al. Pathologica 61:169-73, May-Jun 69 (Ita)
[Effect of a constant magnetic field on the evolution of MR lymphosarcoma grafts in rats] Sneer A, et al. Rev Med Chir Soc Med Nat Iasi 75:431-6, Apr-Jun 71 (Rum)
[Chemiluminescence associated with the formation of lipid peroxides in biological membranes. 3. Luminescence of tissue lipids in the presence of Fe2+ in animals with transplanted tumors] Tafel'shtein EE, et al. Biofizika 15:488-91, May-Jun 70 (Rus)
[Various mechanism of the influence of the hypothalamus on the tumor process] Bordiushkov IuN. Biull Eksp Biol Med 65:68-71, 1968 (Rus)
[Sarcoma M-1 development in the bodies of rats under the influence of crude and tar-free naphthalane] Gulieva SA. Biull Eksp Biol Med 66:88-9, Sep 68 (Rus)
[Effect of high-molecular component of the nutrient medium on the growth of ascitic tumor NK-Ly cells] Nefedov VP. Biull Eksp Biol Med 66:83-5, Sep 68 (Rus)
[Binding of trace quantities of some elements by malignant tumor nucleic acids] Andronikashvili EL, et al. Dokl Akad Nauk SSSR 195:979-82, 1970 (Rus)
[The influence of Freund's adjuvant on the growth and metastasis of the CCK strain of transplantable tumor] Volegov AI, et al. Patol Fiziol Eksp Ter 14:74-5, Nov-Dec 70 (Rus)
[Laboratory strain of the transplantable sarcoma ARM-1] Galstian DA, et al. Zh Eksp Klin Med 8:9-12, 1968 (Rus)

BLOOD

Appearance of collagen proline hydroxylase in sera of mice with implanted sarcomas. Roberts NE, et al. J Natl Cancer Inst 45:277-81, Aug 70

CHEMICALLY INDUCED

Virus-like particles in chemically induced sarcomas in high- and low-leukemia strains of mice. Liebelt RA, et al. Cancer Res 30:2438-48, Sep 70
Structure and activity in chemical carcinogenesis: reactivity and carcinogenicity of 7-bromomethylbenz[alpha]anthracene and 7-bromomethyl-12-methylbenz[alpha]anthracene. Dipple A, et al. Eur J Cancer 6:417-23, Oct 70
Carcinogenicity of extracts of selected plants from Curacao after oral and subcutaneous administration to rodents. O'Gara RW, et al. J Natl Cancer Inst 46:1131-7, Jun 71
Carcinogenic activity of polycyclic pseudoazulenes containing both nitrogen and sulfur heterocycles. Zajdela F, et al. J Natl Cancer Inst 46:1257-60, Jun 71
Development of sarcomas in mice at site of injection with a new carcinogen, monoacetyl derivative of 4-hydroxyaminoquinoline. Sato K, et al. Jap J Exp Med 40:475-8, Dec 70
Influence of Candida albicans glycoprotein on 3-methylcholanthrene induced malignancy in newborn rodents. Mankowski ZT. Mycopathol Mycol Appl 44:95-100, 3 May 71
Carcinogenicity of a non-benzenoid hydrocarbon, azuleno[5,6,7-c,d]phenalene, and derivatives. Buu-Hoï NP, et al. Naturwissenschaften 57:499-500, Oct 70
Properties of sarcomas induced by ferridextran spofa in the inbred rat strain AVN. I. Transplantability of fedex-AVN tumours in vivo and karyological and morphological properties of the cell line after explantation in vitro. Kren V, et al. Neoplasma 17:329-37, 1970
[Sarcomagenic activity of 2 new types of heterocycles: the benzocarbolines and thienopyridocarbazoles] Buu-Hoï NP, et al. C R Acad Sci [D] (Paris) 271:1474-9, 19 Oct 70 (Fre)
[Carcinogenic properties of 5-oxo-5 H-benzo(e)isochromeno(4,3-b)indole and its derivatives and analogues: relations between structure and activity] Lacassagne A, et al. Diabetes 20:3102-4, Jul 71 (Fre)
[Effect of 3,4-benzopyrene on large mammals] Kallistratos G, et al. Naturwissenschaften 58:222, Apr 71 (Ger)
[Induction of malignant tumors in the corpus uteri of the mouse by 20-methylcholanthrene, and the influence of simultaneous gestagen treatment on histological structure and DNA stemlines of tumors] Boquoi E, et al. Z Krebsforsch 74:59-75, 1970 (Ger)
[Evaluation of screening tests using methylcholanthrene-sarcoma] Tanaka S, et al. Saishin Igaku 26:1015-7, May 71 (Jap)
[The growth and metastasis of tumors induced in the spleen] Sokolova EV. Biull Eksp Biol Med 65:79-83, Apr 68 (Rus)
[The relationship between the blastomogenic activity of polycyclic hydrocarbons and the age of the experimental animals] Bolonina NI. Vopr Onkol 16:73-6, 1970 (Rus)

COMPLICATIONS

[Chronic interstitial pneumonia in the course of murine sarcoma induced with methylcholanthrene] Maltzeff N. Lav Ist Anat Istol Patol Perugia 30:15-25, 1970 (Ita)

CONGENITAL

[Vertical transmission of leukemia virus--sarcoma virus and brain tumor induced by the virus] Ida N. Jap J Clin Med 29:1463-84, 1971 (Jap)

DRUG THERAPY

Studies on the effect of methoxy-substituted glycerol ethers on tumour growth and metastasis formation. Boeryd B, et al. Br J Exp Pathol 52:221-30, Jun 71
Synthesis and biological activity of some 5-(1-adamantyl)pyrimidines. 1. Jonak JP, et al. J Med Chem 13:1170-2, Nov 70
Mitomycin derivatives. 1. Preparation of mitosane and mitosene compounds and their biological activities. Kinoshita S, et al. J Med Chem 14:103-9, Feb 71
Fate and effect of endotoxin derivtives in tumor-bearing mice. Nowotny A, et al. Proc Soc Exp Biol Med 136:66-9, Jan 71
[Experimental studies with Prorexid in inoculated sarcoma of the mouse] Hilscher W, et al. Strahlentherapie 140:460-2, Oct 70 (Ger)
[Seasonal changes in the rate of development and sensitivity of lymphosarcoma to olivomycin in male

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and female albino mice] Averbukh LA, et al. Antibiotiki 16:224-8, Mar 71 (Rus)
[Dynamics of toxic manifestations and antineoplastic effect of dactinomycin after single-dose administration] Lupinosov IuV, et al. Antibiotiki 16:63-7, Jan 71 (Rus)
[Effect of exogenous ribonucleic acid isolated from bones and embryonal tissues on the growth of sarcoma M-1] Pankov Eia, et al. Biull Eksp Biol Med 70:72-5, Sep 70 (Rus)
[Effect of thiophosphamide on the incorporation of H3-thymidine into the DNA of cells of surviving transplantable tumor sections sensitive and resistant toward the agent] Merkulov MF, et al. Farmakol Toksikol 34:91-7, 1971 (Rus)
[Obtaining and study of asalei and asalin suspensions] Lopatin PV, et al. Farmatsiia 20:18-21, 1971 (Rus)
[Kinetic growth curves of sarcoma 45 treated with alkylating agents] Kiseleva EG, et al. Izv Akad Nauk SSSR [Biol] 4:530-4, Jul-Aug 70 (Rus)
[Various aspects of the biological effects of substances formed by Pseudomonas sp] Kiprianova OA, et al. Mikrobiol Zh 31:573-5, Nov-Dec 69 (Rus)
[The effect of dipin on leukopoiesis in hypophysectomized rats with sarcoma 45] Chernov VA, et al. Vopr Onkol 17:73-7, 1971 (Rus)
[A method of primary selection of antitumor agents] Karaivanova MKh. Vopr Onkol 17:62-6, 1971 (Rus)
[The dimension in the adrenal glands cell nuclei of the rat following administration of chlorbutin, cortisone, adrenaline and their combinations] Kravchenko AI, et al. Vopr Onkol 17:95-8, 1971 (Rus)
[Resistance of malignant tumors to chemotherapeutic effects] Lazarev NV, et al. Vopr Onkol 16:40-4, 1970 (Rus)
[The effect of iron-dextran and ironfree colloid on the distribution of experimental metastases] Domellöf L, et al. Nord Med 84:1348-9, 15 Oct 70 (Swe)

ENZYMOLOGY

Histochemistry of giant cells in tumours induced in golden hamsters by murine sarcoma virus-Harvey. Hallowes RC, et al. Int J Cancer 7:507-12, 15 May 71
[Effects of gamma rays on the phospholipase A activity of the Sticker sarcoma] Lloveras J, et al. C R Acad Sci [D] (Paris) 272:2641-3, 17 May 71 (Fre)
[Isoenzymes of fructose-phosphate-aldolase in sarcomas of the golden hamster, induced by 9,10-dimethyl-1,2-benzanthrazene] Hadjiolov D, et al. Arch Geschwulstforsch 35:245-50, 1970 (Ger)
[Histochemical enzyme studies on a repeatedly transplanted rat brain tumor] Osske G, et al. Arch Geschwulstforsch 37:120-6, 1971 (Ger)
[A comparative study of the liver cathepsins of normal rats, rats with sarcoma and sarcoma cathepsins in rats] Kazakova OV, et al. Biull Eksp Biol Med 63:76-80, Nov 67 (Rus)
[Blood autoproteolytic activity in rats with subcutaneous sarcoma SSK transplant] Sorinov AN, et al. Biull Eksp Biol Med 65:88-90, Apr 68 (Rus)
[Comparative study of rat sarcoma and liver acid proteinases. Functionally active groups] Kazakova OV, et al. Vopr Med Khim 17:141-5, Mar-Apr 71 (Rus)

ETIOLOGY

Propagation in human cells of a filterable agent from the ST feline sarcoma. Chang RS, et al. J Virol 6:599-603, Nov 70
Early leukopenia after inoculation of neoplastic material in mice. Rumi L, et al. Medicina (B Aires) 31:98-102, Mar-Apr 71
Virus induced cerebral sarcomas. Duffy PE. Trans Am Neurol Assoc 95:333-4, 1970
[Viral leukemia (reticulosarcomatosis) in mice induced by human leukemic material] Bergol'ts VM. Biull Eksp Biol Med 66:78-81, Sep 68 (Rus)
[Sensitivity of different tissue cultures to mouse sarcoma virus (Maloney)] Kukafn RA, et al. Vopr Onkol 16:31-7, 1970 (Rus)
[Stimulation of viral reticulosarcomatosis in CC57BR-Mv mice by complete Freund's adjuvant] Ter-Grigorov VS, et al. Vopr Virusol 15:717-21, Nov-Dec 70 (Rus)
[Tumors and cysts in reptiles due to fowl sarcoma virus] Veskova TK, et al. Vopr Virusol 15:217-20, Mar-Apr 70 (Rus)

IMMUNOLOGY

In vitro studies on the inhibitory effect of lymph-node cells. I. Antitumor activity of regional lymph-node cells from methylcholanthrene-induced sarcoma bearing mice on the same primary culture sarcoma cells. Osugi M. Acta Med Okayama 24:447-56, Aug 70
An approach to the immunological regression of the tumor. Kobayashi H. Acta Pathol Jap 20:441-50, Nov 70
Facilitation of tumor growth by syngeneic normal cells mixed with tumor cells in vitro. Deckers PJ, et al. Cancer 27:897-901, Apr 71
Immunological and pathological manifestations of murine sarcoma virus (Moloney) infections. Schlom J, et al. Cancer Res 30:2955-61, Dec 70
Effect of immune status on the development of artificially induced metastases in different anatomical locations. Vaage J, et al. Cancer Res 31:496-500, May 71
The age related responses of New Zealand mice to a murine sarcoma virus. Gazdar AF, et al. Clin Exp Immunol 8:501-9, Mar 71
Possible association of embryonal antigen(s) with several primary 3-methylcholanthrene-induced murine sarcomas. Brawn RJ. Int J Cancer 6:245-9, 15 Sep 70
Immunofluorescent study of the group-specific antigen of murine leukemia viruses. Lejneva OM, et al. Int J Cancer 6:153-9, 15 Sep 70
Effect of antithymocytic serum on viral leukemia, erythroblastosis, and sarcoma in mice. Varet B, et al. Int J Cancer 7:313-21, 15 Mar 71
Transfer of tumor immunity with RNA. Pilch YH, et al. Isr J Med Sci 7:246-58, Jan 71
Tumor-associated immunoglobulins. Witz IP. Isr J Med Sci 7:230-8, Jan 71
Rejection of tumor allografts by mouse spleen cells sensitized in vitro. Cohen IR, et al. J Exp Med 133:821-33, 1 Apr 71
Antigenic specificities on murine sarcoma cells. Reciprocal relationship between normal transplantation antigens (H-2) and tumor-specific immunogenicity. Haywood GR, et al. J Exp Med 133:1171-87, 1 Jun 71
Cell-mediated cytotoxicity: an assay using 125 I-iododeoxyuridine-labeled target cells. Cohen AM, et al. J Immunol 107:895-8, Sep 71
Blocking effect of serum from tumor-bearing animals on macrophage migration inhibition with tumor antigens. Halliday WJ. J Immunol 106:855-7, Mar 71
Immunological studies with simian virus 40 (SVp0) tumors in hamsters. Effect of xenogenic cells in allogeneic transplantation immunity. Cox HR, et al. J Med (Basel) 1:26-42, 1970
Sarcoma rejection in mice born of mothers actively immunized against murine leukemia viruses. Otten JA, et al. J Natl Cancer Inst 45:227-33, Aug 70
Transfer of tumor-specific immunity with RNA: inhibition of growth of murine tumor isografts. Ramming KP, et al. J Natl Cancer Inst 46:735-50, Apr 71
Cellular immunity induced by rous sarcoma virus in Japanese quail. II. Effect of thymectomy and bursectomy on oncogenesis of rous sarcoma virus. Yamanouchi K, et al. Jap J Med Sci Biol 24:1-8, Feb 71
Transfer of immunity to tumour isografts by the systemic administration of xenogeneic "immune" RNA. Deckers PJ, et al. Nature [New Biol] 231:181-3, 9 Jun 71
Properties of the sarcomas induced by ferridextran Spofa in inbred rat strain AVN. II. The observation of H-1a and B 1 antigenity of FEDEX-AVN-3 tumour following long term in vitro cultivation. Křenová D, et al. Neoplasma 17:505-12, 1970
Altered immunogenicity of the allogeneic spleen cell preparations from rats affected by the graft-versus-host reaction. Medzihradský J. Neoplasma 18:225-7, 1971
Enhancement of tumour homografts by the local graft-versus-host reaction. Medzihradský J, et al. Neoplasma 18:133-40, 1971
Presence of antitumorous autoantibodies in the blood of BALB-c mice with methylcholanthrene-induced sarcoma. Umansky YA, et al. Neoplasma 17:491-7, 1970
The cell site of the immunological defect in tumor-bearing mice. Biano G, et al. Proc Soc Exp Biol Med 136:507-9, Feb 71
Immunity to murine sarcoma virus (MSV)-induced tumors demonstrated by "in vivo" elimination of 51-chromium labeled tumor cells. Burstein NA. Rev Eur Etud Clin Biol 15:873-5, Oct 70
Immunospecific regression of methylcholanthrene fibrosarcoma with the use of neuraminidase. Simmons RL, et al. Surgery 70:38-46, Jul 71
Passive transfer of tumor-specific resistance to methylcholanthrene-induced sarcomas in rats. Ishikawa Y, et al. Tohoku J Exp Med 103:195-201, Feb 71
The interaction of P. berghei yoelii infection in mice with murine oncogenic viruses. Salaman MH, et al. Trans R Soc Trop Med Hyg 64:469, 1970
Mechanisms of tumor-specific enhancement versus resistance toward a methylcholanthrene-induced murine sarcoma. Bloom ET, et al. Transplantation 10:321-33, Oct 70
Complete in vivo destruction of allografted sarcoma I cells by circulating antibodies. Kinsky R, et al. Transplantation 10:450-1, Nov 70
Simultaneous decrease of tumor-specific antigenicity and "hybrid effect" in a murine methylcholanthrene-induced sarcoma. Oth D, et al. Transplantation 8:742-5, Nov 69
Immunological enhancement of murine tumor isografts mediated by RNA from lymphoid organs of xenogeneic immunized animals. Pilch YH, et al. Transplantation 11:10-9, Jan 71
Biological properties of antibody classes in transplantation immune sera. Voisin GA, et al. Transplantation 8:618-32, Nov 69
[Effect of immunization of rats with a heterogenous complex on the growth and metastasis of induced tumors] Lomakin MS, et al. Biull Eksp Biol Med 70:69-72, Sep 70 (Rus)
[Interactions of target cell mixtures with lymphocytes immune to antigens of 1 or 2 H-2 alleles] Brondz BD, et al. Tsitologiia 13:95-103, Jan 71 (Rus)
[The effect of immunization on sarcoma A-12 growth in hamsters] Ageenko AI, et al. Vopr Onkol 16:64-6, 1970 (Rus)
[Immunological analysis of hamster sarcoma induced by adenovirus type 12] Bashkaev IS, et al. Vopr Onkol 16:60-1, 1970 (Rus)
[Immunological effect of immun immune and normal dog RNA in rats with sarcoma E 100] Morini JC, et al. Medicina (B Aires) 31:21-5, Jan-Feb 71 (Spa)
[Spontaneous metastasising of a methylcholanthrene induced sarcoma in animals with intact respective reduced immune reactivity] Boeryd B, et al. Nord Med 84:1440, 5 Nov 70 (Swe)

METABOLISM

Studies on nucleic acids in Rous sarcoma virus-induced mouse ascites sarcoma cells. Distribution and electron microscopy of nucleic acids in subcellular fractions and circular DNA in mitochondrial fraction. Yamamoto G, et al. Acta Med Okayama 24:287-302, Jun 70
The effect of adrenalectomy and high-protein diet on tumor-altered albumin metabolism. Jewell WR, et al. Cancer Res 31:257-9, Mar 71
Inhibition of deoxyribonucleotide synthesis by pyridine carboxaldehyde thiosemicarbazones. Moore EC, et al. Cancer Res 31:235-8, Mar 71
Some indicators of carbohydrate metabolism in tissue culture, in primary contact with oncogenic viruses and in sarcomas induced by adenovirus-12. Ageenko AI, et al. Folia Biol (Praha) 17:13-7, 1971
[Rates of growth of intramedullarly transplanted experimental tumor and the influence of antineoplastic agents--with special reference to the relationship between cell cycle and the intervals in applications of antineoplastic agents] Yamagawa T. J Jap Orthop Assoc 45:93-110, Feb 71 (Jap)
[Benzopyrene metabolism in cultures of normal and tumor fibroblasts] Andrianov LA, et al. Biull Eksp Biol Med 63:114-7, Nov 67 (Rus)
[Effect of thiophosphamide on the incorporation of H3-thymidine into DNA of cells of the surviving slices of sarcoma 298] Merkulov MF, et al. Farmakol Toksikol 33:598-602, Sep-Oct 70 (Rus)
[Tumor lipids. The problem of malignolipin] Diatlovitskaia EV, et al. Vopr Med Khim 16:629-38, Nov-Dec 70 (Rus)
[Gycolysis of adenovirus-infected rat cells and of hamster sarcoma A-12 cells] Ageenko AI, et al. Vopr Onkol 16:49-53, 1970 (Rus)
[Distribution and excretion of dipin-P32 in rats with sarcoma 45] Suskova VS, et al. Vopr Onkol 16:58-63, 1970 (Rus)
[The electrical conductivity of artificial bimolecular membranes of tissue phospholipids from animals with transplantable tumors] Tafel'shtein EI, et al. Vopr Onkol 16:99-102, 1970 (Rus)

MICROBIOLOGY

A transmissible feline fibrosarcoma of viral origin. McDonough SK, et al. Cancer Res 31:953-6, Jul 71
Enhancement of murine sarcoma virus (Moloney) infection in mice by Guaroa virus. Turner W, et al. Cancer Res 30:2845-51, Nov 70
Tumours in reptiles inoculated with chicken Rous sarcoma material. Veskova TK, et al. Folia Biol (Praha) 16:353-5, 1970
Ultrastructural studies of feline leukemia virus. Dougherty E 3d, et al. J Ultrastruct Res 32:472-6, Sep 70
Nucleic acid and proteins isolated from a strain of murine sarcoma virus (MSV-O). Horvath AE, et al. Proc Soc Exp Biol Med 137:1075-81, Jul 71

PATHOLOGY

Cytogenetic analysis of multinucleate ascitic tumor in golden hamsters. Shidou T, et al. Arch Environ Health 22:141-50, Jan 71
Hamster tumors induced by type I avian adenovirus (CELO). I. Histopathology and neoantigen of virus-induced and transplanted tumors. Miller LT, et al. Arch Gesamte Virusforsch 32:221-8, 1970
Ultrastructure of giant cells in tumours induced in golden hamsters by murine sarcoma virus-Harvey. Hallowes RC, et al. Int J Cancer 7:513-25, 15 May 71
Comparative pathology and ultrastructure of rodent sarcomas induced by the murine sarcoma virus (Moloney). Perk K, et al. J Comp Pathol 81:173-8, Apr 71
Changes in tumour inhibiting activity of allogeneic lymphoid cells derived from donors altered by the graft-versus-host reaction. Medzihradský J, et al. Neoplasma 17:355-60, 1970
Chromosomal characteristics of the NK-Ly mouse

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ascites tumour passaged on AB-Jena-Gat.-Ko. strain mice. Seidlová A, et al. Neoplasma 18:19-26, 1971
[Influence of BCG vaccination and growth of methylcholanthrene-induced tumor on the structure of reticulo-histiocytic system of the liver and spleen in rats and mice] Wolf M, et al.
Arch Geschwulstforsch 37:152-60, 1971 (Ger)
[Cytogenetic study of metastases of the ascitic Pliss lymphosarcoma] Voftovitskif VK.
Tsitologiia 13:362-7, Mar 71 (Rus)

PHYSIOPATHOLOGY

Thromboplastic and fibrinolytic properties of three transplantable rat tumours. Peterson HI, et al.
Acta Chir Scand 136:365-8, 1970
[Effect of extreme degrees of cold upon tumors. Experiment with the foreign body sarcoma in the rat] Hochberg K, et al. Urologe 8:344-8, Nov-Dec 69 (Ger)
[The functional characteristics of non-segmentary interneurons at the entrance to the spinal cord in rats with experimental malignant neoplasms] Bakhvala IuP. Patol Fiziol Eksp Ter 14:75-7, Nov-Dec 70 (Rus)

PREVENTION & CONTROL

Inhibitory effect of statolon on virus-induced sarcoma of mice. Rhim JS, et al.
Antimicrob Agents Chemother 9:177-81, 1969
[Effect of immunization of rats with a heterogenous complex on the growth and metastasis of induced tumors] Lomakin MS, et al.
Biull Eksp Biol Med 70:69-72, Sep 70 (Rus)

RADIOTHERAPY

The effect of anaemia on the fraction of hypoxic cells in an experimental tumour. Hill RP, et al.
Br J Radiol 44:299-304, Apr 71
RBE values for cyclotron neutrons for effects on normal tissues and tumours as a function of dose and dose fractionation. Field SB, et al.
Eur J Cancer 7:161-9, May 71
The oxygen effect and radiotherapy with fast neutrons. Thomlinson RH. Eur J Cancer 7:139-44, May 71
Preferential radiosensitization of mouse sarcoma relative to normal skin by chronic intra-arterial infusion of halogenated pyrimidine analogs. Brown JM, et al. J Natl Cancer Inst 47:75-89, Jul 71
[Growth inhibition of an inoculation sarcoma in mice by gamma irradiation] Hilscher W, et al.
Strahlentherapie 140:325-9, Sep 70 (Ger)
[An experimental study of the influence of X-ray and electron irradiation against malignant tumor] Hasegawa S. J Tokyo Med Coll 27:811-32, Nov 69 (Jap)
[Urinary excretion of pseudo-uridine in tumor-bearing rats before and after irradiation] Fedorov NA, et al.
Biull Eksp Biol Med 66:86-7, Sep 68 (Rus)
[Experimental study of the effect of nonuniform radiation] Aliev BM, et al.
Med Radiol (Mosk) 15:60-4, Aug 70 (Rus)

SURGERY

Requisites for successful cryogenic surgery of cancer. Neel HB 3d, et al. Arch Surg 102:45-8, Jan 71

THERAPY

Combination of immunotherapy and chemotherapy to experimental tumors in rats. Hosokawa M, et al.
Gann 62:57-60, Feb 71
The use of irradiated immune lymphoid cells for immunotherapy of primary tumors in rats. Alexander P, et al. Isr J Med Sci 7:239-45, Jan 71
Viruses as an aid to cancer therapy: regression of solid and ascites tumors in rodents after treatment with bovine enterovirus. Taylor MW, et al.
Proc Natl Acad Sci USA 68:836-40, Apr 71
Immunospecific regression of methylcholanthrene fibrosarcoma with the use of neuraminidase. Simmons RL, et al. Surgery 70:38-46, Jul 71
[The importance of the strength of stimulation of the hypothalamus in obtaining an antitumor effect] Garkavi LKh.
Biull Eksp Biol Med 66:95-6, Nov 68 (Rus)
[Effect of adrenaline on the antineoplastic activity of dipin in intact and thyroidectomized rats] Chernov VA, et al. Vopr Onkol 17:62-6, 1971 (Rus)
[The effect of water-salt regimen on the growth of transplantable tumors and the activity of antineoplastic drugs] Pashinskif VG.
Vopr Onkol 17:77-80, 1971 (Rus)

SARCOMA, JENSEN (C2)

Effects of L-asparagine deprivation on the cell cycle of the Jensen sarcoma. Patterson MK Jr, et al.
Cancer Res 30:1064-7, Apr 70

DRUG THERAPY

Growth of transplantable tumours in animals during combined treatment with cytostatics and yeast cell wall polysaccharide zymosan. Pfordte K, et al.
Neoplasma 18:173-7, 1971
[Study of the antitumoral activity in vivo of new O-aminoalkylated synthetic carbamic derivatives of diphenylsulfone and of diphenylmethane] Demetresco C, et al.
C R Soc Biol (Paris) 164:944-51, 1970 (Fre)
[Effect of cochenille on Jensen tumors] Mihail N, et al.
Naturwissenschaften 57:500, Oct 70 (Ger)

ENZYMOLOGY

[Muscle and tumor tissue cholinesterase activity during Jensen sarcoma growth] Luk'ianets VV, et al.
Vopr Onkol 17:78-80, 1971 (Rus)

METABOLISM

Acceptance and growth of the Jensen sarcoma in iron deficient and iron overloaded rats] Kalbe I, et al.
Arch Geschwulstforsch 33:119-22, 1969 (Ger)
[Structural analysis of tumor tissue lecithins] Diatlovitskaia EV, et al.
Biokhimiia 36:181-6, Jan-Feb 71 (Rus)
[Effect of the polycyclic aromatic hydrocarbon 3,4-benzpyrene on isolated mitochondria of normal and neoplastic cells] Oreshnikova NA, et al.
Izv Akad Nauk SSSR [Biol] 4:618-20, Jul-Aug 70 (Rus)

PATHOLOGY

Acceptance and growth of the Jensen sarcoma in iron deficient and iron overloaded rats] Kalbe I, et al.
Arch Geschwulstforsch 33:119-22, 1969 (Ger)

THERAPY

[Studies on the influence of hyperthermia and in vitro thermosensitizers on Yoshida and Jensen sarcoma in rats] Schmidt D, et al.
Arch Geschwulstforsch 33:123-31, 1969 (Ger)

SARCOMA, KAPOSI'S (C2)

Kaposi's sarcoma in pregnancy. Two case reports. Taylor JF, et al. Br J Surg 58:577-9, Aug 71
Kaposi's sarcoma in West Indians. Ragbeer MM, et al.
West Indian Med J 19:54-64, Mar 70
[Kaposi's sarcoma with special reference to experience in Pretoria] Cilliers PH. S Afr J Surg 8:71-5, 1970 (Afr)
[Kaposi's angiosarcomatosis. Presentation of a case] Palou J. Angiologia 21:55-60, Mar-Apr 69 (Mul)

COMPLICATIONS

Kaposi's sarcoma complicating ulcerative colitis: report of a case. Adlersberg R.
Am J Clin Pathol 54:143-6, Jul 70
Kaposi's sarcoma of the head and neck. Abramson AL, et al. Arch Otolaryngol 92:505-8, Nov 70
Hodgkin's disease associated with Kaposi's sarcoma and malignant melanoma. Case report of multiple primary malignancies. Gilbert TT, et al.
Cancer 28:293-9, Aug 71
Lymph nodal Kaposi's sarcoma and chronic lymphocytic leukemia associated with a hepatic nodule simulating Hodgkin's disease. Wilson PR, et al.
Cancer 27:1419-25, Jun 71
[Kaposi's disease. Multiple paralysis of the cranial nerves] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:417-8, 1969 (Fre)
[Osteolytic destruction as leading symptom of Kaposi's sarcoma] Firusian N, et al.
Med Welt 5:172-6, 30 Jan 71 (Ger)

DIAGNOSIS

Malignant lymphoma simulating Kaposi's sarcoma.
Am J Med 44:970-8, Jun 68
[Kaposi's disease affecting the mouth mucosa] Bourgeois-Spinasse J, et al.
Bull Soc Fr Dermatol Syphiligr 77:849-51, 1970 (Fre)
[Remarks apropos of a case of Kaposi's disease] Dupont A. Bull Soc Fr Dermatol Syphiligr 77:792-3, 1970 (Fre)
Pyogenic pseudogranuloma (Wilson-Jones type)] Eisenmann D, et al.
Bull Soc Fr Dermatol Syphiligr 78:22-3, 1971 (Fre)
[Evolutive vascular fistulas and pseudo-Kaposi's disease] Stewart WM, et al.
Bull Soc Fr Dermatol Syphiligr 77:711-6, 1970 (Fre)
[Clinical picture and therapy of sarcoma multiplex idiopathicum haemorrhagicum (Kaposi) with special reference to bone involvement] Halama J, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:259-68, Feb 71 (Ger)

DRUG THERAPY

Actinomycin D in malignant Kaposi's sarcoma.
Kyalwazi SK, et al. East Afr Med J 48:16-26, Jan 71
[A case of Kaposi's sarcoma treated with cyclophosphamide and 16-methylprednisolone] Tavares EC, et al.
An Esc Naci Saude Publica Med Trop (Lisb) 3:55-62, Jan-Dec 69 (Por)

IMMUNOLOGY

Host defence mechanisms in Burkitt's lymphoma and Kaposi's sarcoma: the clinical evidence. Burkitt DP.
Br Med J 4:424-6, 14 Nov 70

METABOLISM

Vasoactive substances in Kaposi's sarcoma. Bhana D, et al. Cancer 27:233-7, Jan 71

PATHOLOGY

Kaposi's sarcoma localized to the penis. Cox JW, et al.
Arch Dermatol 102:461-2, Oct 70
The ultrastructure of Kaposi's sarcoma. Martinez-Penuela JM, et al.
Arch Ital Patol Clin Tumori 13:79-89, Jan-Jun 70
Kaposi sarcoma of lymph nodes. Bhana D, et al.
Br J Cancer 24:464-70, Sep 70
Kaposi's sarcoma of the penis. Hayes CW, et al.
J Urol 105:525-7, Apr 71
[A case of Kaposi's disease involving the pharynx] Vrisk A, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:550-3, 1970 (Ger)
[On a case of Kaposi's disease] Suteanu S, et al.
Med Interna (Bucur) 23:467-80, Apr 71 (Rum)
[Histochemical and ultrastructural study of Kaposi's angiosarcoma] Gómez Orbaneja J, et al.
Rev Clin Esp 121:13-20, 15 Apr 71 (Spa)

RADIOGRAPHY

The radiology corner. Ruoff M, et al.
Am J Gastroenterol 55:489-92, May 71
Lymphography in Kaposi's sarcoma. Baddeley H, et al.
Clin Radiol 22:391-400, Jul 71

SURGERY

Lower extremity amputations and rehabilitation in patients with Kaposi's sarcoma. Cassvan A.
Bull Hosp Joint Dis 32:10-20, Apr 71

SARCOMA, MAST CELL (C2)

Solitary mastocytomas. Holmberg L.
Acta Paediatr Scand 60:109, Jan 71
On the mechanism of modification of radiation effect by dimethyl sulfoxide. Hagemann RF, et al.
Experientia 27:319-21, 15 Mar 71

ENZYMOLOGY

Purification and characterization of a mouse mast cell esteroprotease. Katayama Y, et al.
Exp Mol Pathol 14:228-42, Apr 71
Isolation and partial characterization of -glucuronidase from murine mastocytoma cells. Preiss J, et al.
Hoppe Seylers Z Physiol Chem 352:947-53, Jul 71
Biosynthesis of heparin. Solubilization, partial separation, and purification of uridine diphosphate-galactose: acceptor galactosyltransferases from mouse mastocytoma. Helting T. J Biol Chem 246:815-22, 10 Feb 71
Two forms of ATP sulfurylase in Furth mouse mastocytoma. Shoyab M, et al.
Life Sci [II] 9:1151-8, 22 Oct 70

IMMUNOLOGY

Some effects of neuraminidase on the in vitro interactions between spleen and mastocytoma (P815) cells. Weiss L, et al. Int J Cancer 7:187-97, 15 Mar 71
Absence of enhancing antibody in cell mediated immunity to tumour heterografts in protein deficient rats. Jose DG, et al. Nature (Lond) 231:323-5, 4 Jun 71

METABOLISM

Changes in phospholipid metabolism of a tumor target cell during a cell-mediated cytotoxic reaction. Koren HS, et al. Biochim Biophys Acta 231:520-6, 4 May 71
[Influence of phenylbutazone and 2,4-dinitrophenol on the ATP content and cell proliferation of synchronized suspension cultures of mastocytoma P-815] Kalbhen DA, et al.
Arch Int Pharmacodyn Ther 187:301-17, Oct 70 (Ger)

PATHOLOGY

Studies on cell deformability. Some rheological considerations. Weiss L, et al.
Exp Cell Res 58:379-87, Dec 69
[Ultra-structure of eosinophilic granulocytes in mast-cell tumors of dogs] Rudolph R.
Dtsch Tieraerztl Wochenschr 76:176-9, 1 Apr 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

VETERINARY

Mastocytoma in the third eyelid of a dog. Hallström M. J Small Anim Pract 11:469-72, Jul 70
Equine cutaneous mastocytosis. Altera K, et al. Pathol Vet 7:43-55, 1970
Mastocytoma in a pig. Migaki G, et al. Pathol Vet 7:353-5, 1970
[Granula, lamellar bodies and cytoplasmic fibrils in tumor mast cells of the dog] Rudolph R. Berl Munch Tieraerztl Wochenschr 83:123-7, 1 Apr 70 (Ger)
[Progranulogenesis in tumor mast cells of the dog] Rudolph R. Dtsch Tieraerztl Wochenschr 78:422-5, 1 Aug 71 (Ger)

SARCOMA, OSTEOGENIC (C2)

Osteosarcoma and parosteal osteogenic sarcoma of the maxilla and mandible: study of 20 cases. Roca AN, et al. Am J Clin Pathol 54:625-36, Oct 70
Mammary osteogenic sarcoma. Aubrey DA, et al. Br J Surg 58:472-4, Jun 71
Osteosarcoma. Br Med J 2:355-6, 15 May 71
Osteogenic sarcoma of the somatic soft tissues. Clinicopathologic study of 26 cases and review of literature. Allan CJ, et al. Cancer 27:11121-33, May 71
Cultivation in vitro of cells derived from a human osteosarcoma. McAllister RM, et al. Cancer 27:397-402, Feb 71
Transplantaion and tissue-culture studies of canine osteosarcoma. Bostock DE, et al. Eur J Cancer 6:499-502, Dec 70
Parosteal osteogenic sarcoma of a metacarpal bone. Stark HH, et al. J Bone Joint Surg [Am] 53:47-53, Jan 71
A composite malignant tumour of the elderly female breast. Wayte DM, et al. J Clin Pathol 23:414-22, Jul 70
Tumor clinic proceeding. J Okla State Med Assoc 63:33-6, Jan 70
Osteogenic sarcoma. Potdar GG. J Postgrad Med 16:142-8, Jul 70
Primary osteosarcoma. A clinical evaluation of 73 cases. Skrovina B, et al. Neoplasma 18:377-93, 1971
Osteogenic sarcoma in childhood. Marcove RC, et al. NY State J Med 71:855-9, 15 Apr 71
Birth, death and net growth of normal, transforming, neoplastic and malignant cell lines. Decrease of death rate in neoplastic alteration. Norrby K, et al. Pathol Eur 6:56-74, 1971
[Various cases of bone tumors] Husquinet W, et al. Acta Orthop Belg 35:977-95, 1969 (Fre)
[Apropos of an observed case of osteogenic epitheliosarcoma of the breats] Vauzelle JL, et al. Lyon Chir 65:557-9, Jul-Aug 69 (Fre)
[Recent acquisitions in the diagnosis and the treatment of limb tumors: arteriography: the antimitogram] Rev Chir Orthop 57:Suppl 1:295+, 1971 (Fre)
[Excavating pulmonary metastases] Rotte KH. Arch Geschwulstforsch 33:275-82, 1969 (Ger)
[Studies of the mineral phase of osteogenic sarcomas, using x-ray diffractometry] Scoccianti P, et al. Arch Putti Chir Organi Mov 25:366-72, 1970 (Ita)
[Transplantable osteosarcoma caused by the "Moloney strain of murine sarcoma virus (M-MSV)" in Osborne-Mendel rats] Biancifiori C. Lav Ist Anat Istol Patol Perugia 30:101-17, 1970 (Ita)
[Osteogenic sarcoma in children (clinical and therapeutic aspects)] Bizer VA, et al. Ortop Travmatol Protez 31:33-7, Dec 70 (Rus)
[Maxillary osteosarcoma] Dominguez FV, et al. Rev Asoc Odontol Argent 57:374-6, Oct-Dec 69 (Spa)

CHEMICALLY INDUCED

Tumor induction by plastic films: attempt to correlate carcinogenic activity with certain physicochemical properties of the implant. Carter RL, et al. J Natl Cancer Inst 46:1277-89, Jun 71
Carcinogenic properties of wear particles from prostheses made in cobalt-chromium alloy. Heath JC, et al. Lancet 1:564-6, 20 Mar 71

COMPLICATIONS

Bilateral simultaneous pneumothorax during radiation therapy for metastatic disease from osteogenic sarcoma. A case report and review of literature. Stolzenberg J, et al. Radiol Clin Biol 39:437-42, 1970
[Esophageal stenosis in a male dog caused by osteoblastic osteosarcoma (its resemblance to human cases)] Montano A, et al. Arq Patol 41:271-7, Aug 69 (Por)

DIAGNOSIS

Hyperplastic callus formation in osteogenesis imperfecta simulating osteosarcoma. Banta JV, et al. J Bone Joint Surg [Am] 53:115-22, Jan 71
Primary osteogenic sarcoma of the cervical spine originally mistaken for benign osteoblastoma. A case report. Marsh HO, et al. J Bone Joint Surg [Am] 52:1467-71, Oct 70
Uptake of 85Sr by an osteosarcoma metastatic to lung. Schall GL, et al. J Nucl Med 12:131-3, Mar 71
[Scintigraphy in osteosarcoma] Guérin RA. Chirurgie 96:50-2, 1970 (Fre)
[Applicability of radioactive isotopes for estimating the extent of malignant bone tumors in surgery] Garlicki M, et al. Beitr Orthop Traumatol 16:709-14, Dec 69 (Ger)

DRUG THERAPY

Bronchial artery infusion with anticancer agents in the treatment of osteosarcoma. Prevention of pulmonary metastasis and improvement of prognosis. Ohno T. Cancer 27:549-57, Mar 71
Factors determining cell killing by chemotherapeutic agents in vivo. I. Cyclophosphamide. Putten LM van, et al. Eur J Cancer 6:313-21, Aug 70
[Osteogenic osteosarcoma and drug therapy. Study in vitro of osteosarcoma's sensitivity to drugs. Therapeutic applications] Morasca L, et al. Chirurgie 96:53-62, 1970 (Fre)
[In vitro study of the sensitivity of osteosarcoma to antineoplastic agents: the antimitogram] Morasca L, et al. Presse Med 79:1453-4, 26 Jun 71 (Fre)
[Systemic administration of cyclophosphamide in malignant bone tumors] Matsumori S, et al. Saishin Igaku 26:563-71, Mar 71 (Jap)

ETIOLOGY

Radium osteitis with osteogenic sarcoma: the chronology and natural history of a fatal case. Sharpe WD. Bull NY Acad Med 47:1059-82, Sep 71
90Sr-induced osteosarcomas in radiation chimaeras. Barnes DW, et al. Int J Radiat Biol 18:531-7, 1970
Osteosarcoma developing in solitary enchondroma of the tibia. Rockwell MA, et al. J Bone Joint Surg [Am] 53:341-4, Mar 71
Osteogenic sarcoma arising in a preexisting fibrous dysplasia: report of case. Slow IN, et al. J Oral Surg 29:126-9, Feb 71
Temporomandibular joint dysfunction from effusion after tympanoplasty: report of case. Vermac JJ, et al. J Oral Surg 29:130-2, Feb 71
[Bone tumors induced by strontium 90] Graf B, et al. Bull Cancer (Paris) 57:381-96, Jul-Sep 70 (Fre)
[Medicolegal problems raised by osteosarcomas] Padovani P. Chirurgie 96:41-4, 1970 (Fre)
[Osteosarcoma in irradiated children: a case] Laurent Y, et al. J Belge Radiol 51:112-6, 1968 (Fre)
[Osteongic sarcoma following irradiation] Harefuah 79:195, 16 Aug 70 (Heb)
[Osteogenic sarcoma in mice following trauma to a limb and total irradiation] Gubareva AV, et al. Vopr Onkol 16:23-6, 1970 (Rus)

IMMUNOLOGY

Cross-reacting tumor-specific transplantation antigens in methylcholanthrene-induced guinea pig sarcomas. Holmes EC, et al. J Natl Cancer Inst 46:693-700, Apr 71
Immunofluorescence tests on sera of patients with osteogenic sarcoma. Priori ES, et al. J Natl Cancer Inst 46:1299-306, Jun 71
[A study of the antigenic structure of human sarcoma by the agar precipitation method] Gorodilova VV, et al. Vopr Onkol 16:48-52, 1970 (Rus)

MICROBIOLOGY

Transformation and productive infection of human osteosarcoma cells by a feline sarcoma virus. McAllister RM, et al. Nature [New Biol] 230:279-82, 28 Apr 71
[The viral etiology of human sarcomas] Bergol'ts VM. Vopr Virusol 15:515-7, Sep-Oct 70 (Rus)

MORTALITY

[Time element and clustering of osteogenic sarcoma of the upper and lower extremities] Shimizu T, et al. Orthop Surg (Tokyo) 21:1069-74, Dec 70 (Jap)

OCCURRENCE

Growth and cancer. Price CH. Br Med J 4:432, 14 Nov 70
A study of primary bone tumors. Vaishnav VP, et al. J Postgrad Med 16:193-6, Oct 70

PATHOLOGY

Light and electron microscopic studies of a malignant cystosarcoma phyllodes featuring stromal cartilage and bone. Kay S. Am J Clin Pathol 55:770-6, Jun 71
Intracellular branched tubular structures in osteosarcoma. An ultrastructural and serological study. Jensen AB, et al. Cancer 27:1440-8, Jun 71
Ultrastructure of an osteoid type of osteogenic sarcoma. Kay S. Cancer 28:437-45, Aug 71
Extraosseous osteosarcoma of the lung. Reingold IM, et al. Cancer 28:491-8, Aug 71
Studies on cell deformability. Some rheological considerations. Weiss L, et al. Exp Cell Res 58:379-87, Dec 69
Primary osteogenic sarcoma of the breast. (A case report). Shrikhande SS, et al. Indian J Cancer 8:127-30, Jun 71
Primary osteogenic sarcoma of the kidney. Johnson LA, et al. J Urol 104:528-31, Oct 70
Studies on FBJ virus-induced bone tumors in mice. Yumoto T, et al. Tex Rep Biol Med 28:145-65, Spring 70
Unusual tumors in and around the eye. Blodi FC. Trans Pac Coast Otoophthalmol Soc 50:195-224, 1969 (30 ref.)
[Morphopathologic peculiarities of an unusual malignant Fallopian tube tumor (carcino-osteochondrofibrosarcoma)] Nicolescо S, et al. Gynecol Obstet (Paris) 68:113-26, Jan-Mar 69 (Fre)
[Heterotransplantation of cultured human osteogenic sarcoma cells] Takase B, et al. Jap J Cancer Clin 17:134-41, 1971 (Jap)
[Osteochondrosarcoma of the thyroid gland] Nowak K, et al. Patol Pol 22:381-5, Apr-Jun 71 (Pol)
[Is it possible to utilize experimental osteosarcoma in clinical practice?] Kalman E. Bratisl Lek Listy 54:401-6, Oct 70 (Slo)

RADIOGRAPHY

Angiography in juxtacortical osteosarcomas. Case report with special reference to the differential diagnosis. Probst FP. Acta Radiol [Diagn] (Stockh) 11:49-56, Jan 71
Parosteal sarcoma. Edeiken J, et al. Am J Roentgenol Radium Ther Nucl Med 111:579-83, Mar 71
A case of osteogenic sarcoma invading a paired bone. Mookherjee PK. Br J Radiol 44:393-5, May 71
Arteriography in the diagnosis of osteogenic sarcoma. Peters JP, et al. J Indiana State Med Assoc 63:1196-7, Oct 70
X-ray film of the month. Puckette SE Jr. J SC Med Assoc 67:128-9, Mar 71
Osteosarcoma of the jaw bones. Finkelstein JB. Radiol Clin North Am 8:425-43, Dec 70 (35 ref.)
RPC of the month from the AFIP. Sweet DE, et al. Radiology 99:687-93, Jun 71
[Arteriography in the diagnosis of 2 bone tumors] Cecile JP, et al. J Trop Med Hyg 89:121-4, Mar 71 (Fre)
[Radioisotope diagnosis of bone tumors] Gabuniia RI, et al. Vopr Onkol 17:36-41, 1971 (Rus)
[Roentgenologic-morphologic parallels in osteosarcoma induction in the presence of hyperestrinism] Kornitskiĭ MA. Vopr Onkol 16:44-9, 1970 (Rus)
[Roengenodiagnosis of osteogenic sarcoma of bones of the pelvis] Bondarenko LT. Zh Eksp Klin Med 8:98-101, 1968 (Rus)

RADIOTHERAPY

Bone sarcoma: treatment by irradiation, amputation, or a combination of the two. Sweetnam R, et al. Br Med J 2:363-7, 15 May 71
Response of a poorly reoxygenating mouse osteosarcoma to x-rays and fast neutrons. Putten LM van, et al. Eur J Cancer 7:153-60, May 71
[Case of a 12-year-old patient with an osteofibrosarcoma of the lower end of the left femur, treated with radiotherapy during 12 years] Nemours-Auguste S, et al. Presse Med 78:2134, 14 Nov 70 (Fre)
[New radiotherapeutic aspects in the treatment of extensive bone neoplasms] Kärcher KH, et al. Strahlentherapie 140:50-2, Jul 70 (Ger)
[Radiotherapy of malignant bone neoplasms] Kuttig H, et al. Strahlentherapie 140:1-7, Jul 70 (Ger)
[Clinico-statistical findings in 40 cases of osteosarcoma vollowing successful radiotherapy] (Ita)ARCOMA FOLLOWING successful radIOTHERAPY] Conti R, et al. Arch Ortop Suppl:281-96, 1969 (Ita)
[Radiotherapy of osteosarcoma] Giaccai L. Nunt Radiol 35:69-78, Jan 69 (Ita)

SURGERY

Bone sarcoma: treatment by irradiation, amputation, or a combination of the two. Sweetnam R, et al. Br Med J 2:363-7, 15 May 71
Interthoracoscapular amputation in the treatment of malignant tumours of the upper extremity. Wagner E, et al. Minn Med 53:1144, Oct 70
Osteogenic sarcoma of the mandible. Cocke WM Jr, et al. Oral Surg 30:801-6, Nov 70
[Apropos of 9 cases of juxta-cortical sarcomas] Merle d'Aubigné R, et al. Chirurgie 96:45-9, 1970 (Fre)
[A case of benign osteoblastoma of a long bone] Rainaut JJ, et al. Chirurgie 96:309-15, 1970 (Fre)
[Symposium on osteosarcoma. Introduction] Trifaud A. Chirurgie 96:37-40, 1970 (Fre)
[The surgical treatment of bone tumors] Denischi A, et al. Beitr Orthop Traumatol 17:16-23, Jan 70 (Ger)
[23 sarcoma patients having surgery or prosthesis at the Rudolf-Elle-Krankenhaus Eisenberg from 1958 to 1967] Müller K. Beitr Orthop Traumatol 16:772-4, Dec 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Tumors of the skeletal system (synthetic prosthesis treatment and late results)] Pap K, et al. Beitr Orthop Traumatol 17:8-11, Jan 70 (Ger)
[Clinical aspects and therapy of jaw sarcoma] Pape HD, et al. Fortschr Kiefer Gesichtschir 14:139-45, 1970 (Ger)
[Clinical picture of osteogenic sarcoma, osteogenic chondrosarcoma and Ewing's sarcoma] Stefański W, et al. Pol Przegl Chir 43:149-54, Feb 71 (Pol)
[Surgery of malignant tumors in the hip joint area] Engelbrecht E, et al. Bratisl Lek Listy 55:629-33, May 71 (Slo)

THERAPY

[Possibilities of intensive cytostatic therapy with autogenous bone marrow transplantation in osteosarcomas] Fiala O, et al. Bratisl Lek Listy 54:452-61, Oct 70 (Cze)
[Considerations on the treatment of osteogenic sarcomas (apropos of 80 cases)] Denoix P, et al. Chirurgie 96:63-7, 1970 (Fre)
[Prognosis in pulmonary osteosarcomas] Trifaud A, et al. Chirurgie 96:73-4, 1970 (Fre)
[Our present experience of the treatment of osteogenic osteosarcoma] Roy-Camille R, et al. Presse Med 79:1455-8, 26 Jun 71 (Fre)

VETERINARY

Bone tumours in the dog. Mohiuddin SM, et al. Indian Vet J 48:624-8, Jun 71
Extraskeletal osteosarcoma in a dog. Norrdin RW, et al. J Am Vet Med Assoc 158:729-34, 15 Mar 71
Osteogenic sarcoma of the radius with metastasis to the lungs in a dog. Schnelle GB. J Am Vet Med Assoc 157:861-2, 15 Sep 70
Multiple cartilaginous exostoses with development of a metastasizing osteosarcoma in a Shetland sheepdog. Owen LN, et al. J Small Anim Pract 12:507-12, Sep 71
[Osteosarcoma (osteogenic sarcoma) in dogs] Parodi AL. Chirurgie 96:75-80, 1970 (Fre)

SARCOMA, RETICULUM CELL (C2)

Primary lymphosarcoma of the stomach. Lee HY, et al. Am Surg 37:256-62, May 71
Reticulum cell sarcoma of the spinal epidural space. Muggia FM, et al. Ann Intern Med 75:477-8, Sep 71
Primary reticulum cell sarcoma of liver. Torres A, et al. Cancer 27:1489-92, Jun 71
Primary reticulum cell sarcoma of the stomach. Dunn GD, et al. Gastrointest Endosc 17:153-8, May 71
Primary malignant lymphoma of the small intestine. al-Khateeb AK. Int Surg 54:295-300, Oct 70
[Tumors of the thymus. Report of 10 cases] Lacquet LK, et al. Acta Tuberc Pneumol Belg 60:791-805, 1969 (Dut)
[Reticulosarcoma of the gingiva] Dambrain R, et al. Acta Stomatol Belg 67:547-52, 1970 (Fre)
[Laryngeal and pharyngolaryngeal sarcomas] André P, et al. Ann Otolaryngol Chir Cervicofac 88:266-72, Apr-May 71 (Fre)
[Lympho-reticulo-sarcoma of the larynx. A case] Labayle J, et al. Ann Otolaryngol Chir Cervicofac 88:187-8, Mar 71 (Fre)
[Acute reticulosarcomatosis] Kint A, et al. Arch Belg Dermatol Syphiligr 24:79-81, 1968 (Fre)
[Primary reticulosarcoma of the spine. 6 cases] Goutelle A, et al. J Med Lyon 51:937-43, 5 Apr 70 (Fre)
[Calcified lymph node and pleuro-pulmonary metastases of osseous reticulosarcoma] Lequint A, et al. J Radiol Electrol Med Nucl 51:435-6, Jun-Jul 70 (Fre)
[Lymphosarcoma and reticulosarcoma of the upper respiratory tract (30 cases)] Pourquier H, et al. J Radiol Electrol Med Nucl 51:175-6, Mar-Apr 70 (Fre)
[4 cases of apparently primary testicular lympho-reticulosarcoma] Roussel J, et al. J Radiol Electrol Med Nucl 51:427, Jun-Jul 70 (Fre)
[Successive malignant connective tissue tumors with multiple localizations progressing from 1955 to 1960; recovery maintained 10 years after the last recurrence] Creyssel J, et al. Lyon Chir 67:221-2, May-Jun 71 (Fre)
[Facial sarcomas in African areas] Greiner R, et al. Rev Fr Odontostomatol 18:21-30, Jan 71 (Fre)
[Unexpected consequences of an extraction of a wisdom tooth] Le Stir A, et al. Rev Fr Odontostomatol 18:15-20, Jan 71 (Fre)
[Primary reticulosarcoma of the cervix uteri] Privé L, et al. Union Med Can 97:751-4, Jun 68 (Fre)
[Primary reticulum cell sarcoma of the stomach] Wolf M, et al. Dtsch Gesundheitsw 26:717-22, 15 Apr 71 (Ger)
[Clinical aspects and therapeutic results in maxillofacial reticulum cell sarcoma] Koberg W, et al. Fortschr Kiefer Gesichtschir 14:207-13, 1970 (Ger)
[Rare case of thyroidreticulosarcoma causing skin metastases] Czigány J. HNO 17:115-9, Apr 69 (Ger)
[Primary malignant tumors of the parotid gland] Leonardelli GB, et al. Arch Ital Otol 81:105-21, May-Jun 70 (Ita)
[Reticulosarcoma of the testicle. Apropos of 2 personal cases] Mazzoli M. Arch Ital Patol Clin Tumori 12:23-40, Jan-Jun 69 (Ita)
[Radiodiagnostic and radiotherapeutic aspects of primary skeletal reticulosarcoma combined surgical and radiation therapy] Panieri R, et al. Arch Sci Med (Torino) 126:1000-6, Nov 69 (Ita)
[Latero-cervical reticulosarcomatosis after tonsillectomy with acute leukemic syndrome appearing during radiotherapy] Maroncelli M. Clin Otorinolaringoiatr 20:513-23, Nov-Dec 68 (Ita)
[Reticulosarcomas of the nasal cavity] Musinu C, et al. Clin Otorinolaringoiatr 21:202-13, May-Jun 69 (Ita)
[Clinically primary reticulosarcoma of the spleen] Domeniconi R, et al. Minerva Chir 25:195-208, 15 Feb 70 (Ita)
[Reticulosarcoma of the stomach (apropos of 2 personal cases)] Martinotti A, et al. Minerva Chir 25:121-9, 31 Jan 70 (Ita)
[Multiple primary malignant tumors. A case of carcinoma with double focus, laryngeal and lingual; a case of reticulo-sarcoma of Waldeyer's ring] Bisi O. Minerva Otorinolaringol 19:93-102, Mar-Apr 69 (Ita)
[Influence of vitamin B6 on the appearance and development of solid IRE reticulosarcoma in the rat] Curci E, et al. Pathologica 61:169-73, May-Jun 69 (Ita)
[Primary reticulosarcoma of the testicle. Anatomical and clinical study] Lo Schiavo F, et al. Rass Int Clin Ter 51:103-11, 31 Jan 71 (Ita)
[2 cases of sarcoma of the paranasal sinuses and the review of the literature] Hashiguchi T, et al. Otolaryngology (Tokyo) 42:1017-27, Dec 70 (Jap)
[Reticulosarcoma of the stomach] Myszka S, et al. Pol Przegl Chir 42:1450-4, Oct 70 (Pol)
[Primary sarcomas of the stomach. Con- siderations apropos of 5 personal cases] Rosenberg D, et al. Rev Assoc Med Bras 16:61-70, Oct 70 (Por)
[Reticulosarcoma] Shtern RD. Arkh Patol 32:9-24, 1970 (187 ref.) (Rus)
[Primary reticulosarcoma of the stomach] Belonosov VP. Khirurgiia (Mosk) 45:133-6, Sep 69 (Rus)
[Primary reticulosarcoma of the small intestine] Kuzin MI, et al. Sov Med 33:67-73, 1970 (Rus)
[Simple lymph node reticulosarcoma] Justo Alpañes E, et al. Rev Clin Esp 120:389-72, 28 Feb 71 (Spa)

CHEMICALLY INDUCED

Tumours induced by diphenylhydantoin. Juhász J, et al. Acta Morphol Acad Sci Hung 18:147-54, 1970
Spontaneous reticulum cell sarcomas developing in C3H-HeJ mice on prolonged immunosuppressive therapy. Hattan D, et al. Transplantation 11:580-1, Jun 71
[The oncogenicity of N-7-hydroxylated purine derivatives 7-hydroxy-theophylline] Güttner J, et al. Arzneim Forsch 21:356-8, Mar 71 (Ger)

CLASSIFICATION

[Application of TNM-system in reticulum cell sarcoma in different localizations of the primary tumor] Wolf M, et al. Z Aerztl Fortbild (Jena) 65:22-4, 1 Jan 71 (Ger)
[Incidence and classification of neoplastic reticuloses of the central nervous system] Scholtze P, et al. Zentralbl Allg Pathol 114:159-67, 1971 (Ger)

COMPLICATIONS

Reticulum cell sarcoma in Waldenström's macroglobulinemia after chlorambucil treatment. Osterberg G, et al. Acta Med Scand 188:497-504, Dec 70
Ataxia telangiectasia with granulocytopenia. Feigin RD, et al. J Pediatr 77:431-8, Sep 70
Glomerulonephritis or nephrotic syndrome in malignant lymphoma, reticulum-cell type. Muggia FM, et al. Lancet 1:805, 17 Apr 71
Reversible uremia secondary to renal replacement by lymphoma. Lizzi F, et al. NY State J Med 71:360-3, 1 Feb 71
[Hypercalcaemia in malignant diseases illustrated by a case of reticulosarcomatosis] Amtorp O, et al. Ugeskr Laeger 133:497-9, 19 Mar 71 (Dan)
[Paraplegia in the course of lymphography in a patient with cervical ganglionic reticulosarcoma. (Anatomo-clinical study)] Mikol J, et al. Ann Med Interne (Paris) 121:355-62, Mar 70 (Fre)
[Biermer's disease and gastric reticulosarcoma. (A case)] Moretti G, et al. Bord Med 4:441 passim, Feb 71 (Fre)
[Pautrier-Woringer lipo-melanic reticulosis of sudden onset as a symptom of reticulo-sarcomatosis] Blez F, et al. Bull Soc Fr Dermatol Syphiligr 76:689-90, 1969 (Fre)
[Left recurrent paralysis, 1st clinical manifestation of a right thyroid reticulosarcoma] Soustelle J, et al. Lyon Chir 67:143-5, Mar-Apr 71 (Fre)
[Double location in the maxilla of Richter's syndrome] Coumel C, et al. Rev Stomatol Chir Maxillofac 71:613-24, Oct-Nov 70 (Fre)
[Hemangioendothelioma (reticulosarcoma angioplasticum) of the liver and old echinococcus infection] Baghirzade MF, et al. Acta Hepatosplenol (Stuttg) 18:224-34, May-Jun 71 (Ger)
[Sarcoma in the digestive tract in lymphoreticular systemic diseases] Hartwich G, et al. Med Klin 65:2120-6, 27 Nov 70 (Ger)
[Chronic invagination in reticuloendothelial sarcomatosis] Engels M. Wien Med Wochenschr 121:291, 10 Apr 71 (Ger)
[On a reticulosarcomatosis with positive Paul-Bunnell-Davidsohn serореaction] Arcuri F, et al. Arch E Maragliano Patol Clin 26:127-37, Mar-Apr 70 (Ita)
[Reticulosarcoma with a myelocytic leukemoid reaction and marked tumoral leukocytosis. (Contribution to the pathogenetic interpretation of leukemoid reactions)] Frizzera G. Arch Ital Anat Istol Patol 42:490-508, 1969 (Ita)
[Sprue syndrome and malignant lymphoma. 1 case] Tura S, et al. Haematologica 55:663-5, 1970 (Ita)
[On jaundice during hemoblastosis. Lymphoreticulosarcomas] Bombara R, et al. Minerva Med 62:553-6, 10 Feb 71 (Ita)
[On jaundice during hemoblastosis. Clinico-statistical analysis] Bombara R, et al. Minerva Med 62:1131-5, 14 Mar 71 (Ita)
[Autopsy case of leukemic reticulosarcomatosis with abducens nerve palsy and transverse myelopathy] Miyoshi S, et al. Brain Nerve (Tokyo) 22:1209-17, Oct 70 (Jap)
[Case of periodic fever] Harada T, et al. Naika 27:373-6, Feb 71 (Jap)
[Development of reticulosarcoma in the course of Sjogren's syndrome] Grymiński J, et al. Gruzlica 38:1001-9, Oct 70 (Pol)

DIAGNOSIS

Reticulosarcoma of the stomach. Report of 13 cases with follow-up results. Bilde T, et al. Acta Chir Scand 136:617-21, 1970
Mucha-Habermann disease mistaken for reticulum cell sarcoma. Muller SA, et al. Arch Dermatol 103:423-7, Apr 71
Lymphoma of the testis. Kiely JM, et al. Cancer 26:847-52, Oct 70
Supratentorial haemangioblastoma. Albrechtsen R. Dan Med Bull 18:73-5, Aug 71
Therapy and prognosis of two different forms of organ involvement in cases of malignant lymphoma (Hodgkin's disease, reticulum cell sarcoma, lymphosarcoma) as well as a report about stage division in these diseases. Musshoff K. Klin Wochenschr 48:673-8, 1 Jun 70
[1 observation of gastric reticulosarcoma] Meignié P, et al. Lille Med 14:1036-8, Nov 69 (Fre)
[Diagnosis of malignant thyroid diseases with the aid of puncture-biopsy and 1311 scintigraphy] Soumar J, et al. Maroc Med 546:313-8, May 71 (Fre)
[Malignant medio-facial pseudogranuloma: reticulosarcoma of the lacrimal sac] Bonnet JL, et al. Rev Otoneuroophtalmol 41:219-27, Jul-Aug 69 (Fre)
[Incidence and forms of intrathoracic manifestations of malignant lymphomas] Novak D, et al. Dtsch Med Wochenschr 96:230-4, 5 Feb 71 (Ger)
[Prognosis and early diagnosis of testicular neoplasm metastases] Engelking R, et al. Langenbecks Arch Chir 322:828-31, 1968 (Ger)
[Abdominal lymph node scintigraphy in lymphoreticular systemic diseases] Eggerth G, et al. Med Klin 66:781-4, 21 May 71 (Ger)
[Clinical, diagnostic and therapeutic considerations in microgliomas] Meyer-Lindenberg J, et al. Nervenarzt 42:370-6, Jul 71 (Ger)
[Difficulties in the differentiation between hemoblastoses and reticuloses] Lütgemeier J. Strahlentherapie 139:162-6, Feb 70 (Ger)
[Reticulosarcoma in thyroid gland region. Cytodiagnosis] Smejkal V, et al. Wien Klin Wochenschr 83:406-7, 4 Jun 71 (Ger)
[Mediastinoscopy] Maurer H. Wien Med Wochenschr 121:191-4, 13 Mar 71 (Ger)
[Differential diagnosis of malignant intrathoracic neoplasms in childhood] Dietzsch HJ, et al. Z Erkr Atmungsorgane 131:199-212, 1970 (Ger)
[Lymphoproliferative diseases studied with lymphatic scintiscanning with colloidal Au 198] Rembado R, et al. Minerva Med 62:2957-61, 18 Aug 71 (Ita)
[Reticulum cell sarcoma of the orbit of unusual clinical course] Kaneko A. Acta Soc Ophthalmol Jap 75:951-5, 20 Jan 71 (Jap)
[Wegener's granulomatosis and reticulum cell sarcoma of the nose] Watanabe Y, et al. J Otolaryngol Jap 74:105-13, 20 Jan 71 (Jap)
[Diagnostic difficulties in cases of reticulosarcoma with prevalence of changes in the skeleton] Kardaszewicz S, et al. Pol Tyg Lek 25:1260-1, 17 Aug 70 (Pol)
[Diagnostic difficulties in generalized reticulosarcoma] Janeczko J, et al. Wiad Lek 23:1591-6, 15 Sep 70 (Pol)
[Reticulosarcoma of the stomach] Gerasimenko VN, et al. Klin Med (Mosk) 49:41-3, Mar 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The clinical picture of reticulsarcoma with primary lesions of the skin] Kruglova GV, et al. **Klin Med (Mosk) 49:43-51, Mar 71 (Rus)**

[Evaluation of radioisotope diagnosis of skeletal tumors] Knysh IT, et al. **Vopr Onkol 17:29-36, 1971 (Rus)**

[Difficulties in the differential diagnosis of focal encephalitis and several brain tumors] Vashchenko MA, et al. **Vrach Delo 3:90-4, Mar 71 (Rus)**

[Orbital reticulosarcoma. Diagnostic and treatment] Gonella AF, et al. **Arch Oftalmol B Aires 45:265-71, Jul 70 (Spa)**

DRUG THERAPY

Combined cyclophosphamide vincristine, and prednisone therapy of malignant lymphoma. Luce JK, et al. **Cancer 28:306-17, Aug 71**

Clinical experience with procarbazine in Hodgkin's disease, reticulum cell sarcoma, and lymphosarcoma. Stolinsky DC, et al. **Cancer 26:964-90, Nov 70**

Combination therapy with cyclophosphamide, vincristine, procarbazine and prednisone in Hodgkin's disease and reticulum cell sarcoma. Isola LM, et al. **Medicina (B Aires) 31:93-7, Mar-Apr 71**

Combined chemotherapy and radiotherapy for advanced Hodgkin's disease and reticulum cell sarcoma: a preliminary report. Gamble JF, et al. **South Med J 64:775-83, Jul 71**

[Case report on the therapy of reticulum cell sarcoma of the orbit] Kraft H. **Ber Dtsch Ophthalmol Ges 70:85-8, 1970 (Ger)**

[Chemotherapy of reticulum cell sarcoma] Scheunemann H, et al. **Fortschr Kiefer Gesichtschir 14:314-9, 1970 (Ger)**

[Effectiveness of polychemotherapeutic treatments of lymphoproliferative diseases] Cajozzo A, et al. **Haematologica 55:465-70, 1970 (Ita)**

[Administration of bleomycin in reticulum cell sarcoma] Ogura H, et al. **Acta Dermatol (Kyoto) 65:325-6, Nov 70 (Jap)**

[Case of reticulum cell sarcoma treated with L-asparaginase and antibody to L-asparaginase] Ueda E, et al. **Jap J Cancer Clin 16:1122-7, Nov 70 (Jap)**

[Treatment of lymphatic sarcoma and reticulosarcoma] Singer Z, et al. **Pol Tyg Lek 26:268-71, 22 Feb 71 (Pol)**

[Effect of rubomycin on hematopoiesis in patients with acute leukosis, reticulosarcoma and chorionepithelioma of the uterus] Solov'eva EA, et al. **Probl Gematol Pereliv Krovi 15:39-43, Aug 70 (Rus)**

[Use of large single doses of cyclophosphane (endoxan)] Garin AM. **Vopr Onkol 16:43-8, 1970 (Rus)**

[Chemotherapy in gastric reticulosarcoma] Maur M. **Prensa Med Argent 57:1507-9, 2 Oct 70 (Spa)**

ETIOLOGY

Development of malignant lymphoma during the course of adult celiac disease. A clinicopathologic study of a 49-year old male veteran. Ansari A, et al. **Am J Gastroenterol 55:482-8, May 71**

Analysis of the immunosuppressive and oncogenic effects of heterologous antilymphocyte serum. Zipp P, et al. **Am J Surg 122:204-8, Aug 71**

[Viral leukemia (reticulosarcomatosis) in mice induced by human leukemic material] Bergol'ts VM. **Biull Eksp Biol Med 66:78-81, Sep 68 (Rus)**

[Stimulation of viral reticulosarcomatosis in CC57BR-Mv mice by complete Freund's adjuvant] Ter-Grigorov VS, et al. **Vopr Virusol 15:717-21, Nov-Dec 70 (Rus)**

FAMILIAL & GENETIC

[The karyotype in paraproteinemias] Riva G, et al. **Minerva Med 62:2081-4, 23 May 71 (Ita)**

IMMUNOLOGY

The mechanism of delayed hypersensitivity derangements in reticulum cell lymphomata (reticulosarcomata). Langner A, et al. **Br J Dermatol 85:1-6, Jul 71**

Decreasing immune competence and development of reticulum cell sarcomas in lymphatic tissue of aged mice. Hanna MG Jr, et al. **J Natl Cancer Inst 46:809-24, Apr 71**

De-novo brain tumours in renal-transplant recipients. Schneck SA, et al. **Lancet 1:983-6, 15 May 71**

[Quantitative immunoglobulin determination in paraproteinemias, lymphogranulomatosis and lympho-reticulosarcomatosis] Patakfalvi A, et al. **Orv Hetil 112:75-8, 10 Jan 71 (Hun)**

[A study of the antigenic structure of human sarcoma by the agar precipitation method] Gorodilova VV, et al. **Vopr Onkol 16:48-52, 1970 (Rus)**

METABOLISM

The effect of polyinosinic:polycytidylic acid on tumor metabolism. Levy HB, et al. **Proc Soc Exp Biol Med 135:141-5, Oct 70**

Inappropriate secretion of antidiuretic hormone in reticulum cell sarcoma. Miller R, et al. **South Med J 64:783-4, Jun 71**

MORTALITY

Prognosis of stage I lymphosarcoma and reticulum-cell sarcoma. Lipton A, et al. **N Engl J Med 284:230-3, 4 Feb 71**

[Prognosis of testicular tumors. Clinico-anatomical review of 100 cases classified by the Collins and Pugh method] Cornu P. **Schweiz Med Wochenschr 101:422-8, 27 Mar 71 (Fre)**

OCCURRENCE

Neonatal thymectomy and non-viral mammary tumours in mice. Burstein NA, et al. **Nature (Lond) 231:450-2, 18 Jun 71**

[Incidence and classification of neoplastic reticuloses of the central nervous system] Scholtze P, et al. **Zentralbl Allg Pathol 114:159-67, 1971 (Ger)**

[Clinical analogies and divergences between lymphosarcoma and reticulosarcoma] Carnevali G, et al. **Tumori 56:183-6, May-Jun 70 (Ita)**

[Reticulosarcomas in otorhinolaryngology] Dordević M. **Med Glas 24:166-9, Apr-May 70 (Cro)**

PATHOLOGY

Chromosomal findings in a case of leukemic reticuloendotheliosis. Forni A, et al. **Acta Cytol (Baltimore) 15:173-8, Mar-Apr 71**

Cytologic studies of tumors. L. clonal proliferation of four stemlines in three hematopoietic tissues of a patient with reticulosarcoma. Obara Y, et al. **Blood 37:87-95, Jan 71**

The two varieties of lymphoid tissue "reticulosarcomas", histiocytic and histioblastic types. Mathé G, et al. **Br J Cancer 24:687-95, Dec 70**

Transformation of reticulum cell sarcoma to acute leukemia. Lowenbraun S, et al. **Cancer 27:579-85, Mar 71**

A comparison between granulomatosis and lymphoreticular neoplasia in Diemictylus viridescens and Xenopus laevis. Ruben LN, et al. **Cancer Res 30:2613-9, Nov 70**

The pattern of cell growth in reticulum cell sarcoma and lymphosarcoma. Peckham MJ, et al. **Eur J Cancer 6:453-63, Oct 70**

Clinicopathological conference of the Medical University of South Carolina. "Ileo-cecal intussusception in a 15-year-old girl. **J SC Med Assoc 67:311-21, Jul 71**

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 4-1971. **N Engl J Med 284:204-11, 28 Jan 71**

[Primary malignant tumors of the heart and pericardium] Saint-Florent G de, et al. **Ann Chir Thorac Cardiovasc 9:177-81, Apr 70 (Fre)**

[Retriculosarcoma with plasmocyte inflexion of the cervix uteri. Ultrastructural study] Foa R, et al. **Arch Anat Pathol (Paris) 18:213-8, Sep 70 (Fre)**

[Reticulo-plasmocyte sarcoma of the stomach. An anatomic case] Périé G, et al. **Arch Anat Pathol (Paris) 19:65-9, Mar 71 (Fre)**

[Unusual aspects of the endoplasmic reticulum in 3 cases of leukosis and a case of reticulosarcoma] Foa R, et al. **C R Soc Biol (Paris) 164:1048-52, 1970 (Fre)**

[A paradox reticulopathy] Chorążak T, et al. **Hautarzt 22:100-5, Mar 71 (Ger)**

[Clinical, histological and cytophotometric study on primary-cutaneous metastasizing angioblastic reticulosarcoma with special reference to the effects of cytostatic agents] Ehlers G, et al. **Hautarzt 22:245-52, Jun 71 (Ger)**

[Transtracheal and transbronchial lung puncture] Pichlmaier H, et al. **Thoraxchirurgie 19:283-9, Aug 71 (Ger)**

[Lethal midline granuloma] Katzenellenbogen I, et al. **Harefuah 78:10-4, 1 Jan 70 (Heb)**

[Mesenchymal tumors of the bladder: anatomopathological and clinical considerations on a case of reticulosarcoma of the bladder] Pasqualini C, et al. **Arcisp S Anna Ferrara 22:463-87, 1969 (Ita)**

[Reticulosarcoma of the uterine cervix (anatomoclinical contribution)] Rotondi M. **Riv Ostet Ginecol 24:274-90, 9 Sep 69 (Ita)**

[Mesenchymal malignant tumors of the thyroid] Veronesi U, et al. **Tumori 55:417-22, Nov-Dec 69 (Ita)**

[Reticular tissue tumor of the nervous system--histopathological and electron microscopic studies of a biopsy case] Ishida Y, et al. **Brain Nerve (Tokyo) 22:829-42, Jul 70 (Jap)**

[Autopsy case of reticulosarcoma found in phyma of the right testicle] Uriubara T. **Jap J Clin Pathol 18:805, Nov 70 (Jap)**

[A case of acute reticulosis with undifferentiated cells] Cywińska-Ziółkowska A, et al. **Wiad Lek 23:1821-5, 15 Oct 70 (Pol)**

[Evolution of lymphoproliferative syndromes. (A case report)] Guja A Jr, et al. **Wiad Lek 23:2009-11, 15 Nov 70 (Pol)**

[A case of generalized reticulosarcomatosis with fulminant clinical course] Stajić M. **Srp Arh Celok Lek 98:787-91, May 70 (Ser)**

RADIOGRAPHY

Focal angiographic changes of cerebral lymphoma with pathologic correlation. A report of two cases. Leeds NE, et al. **Radiology 99:595-9, Jun 71**

Selective superior mesenteric arteriography in reticulum-cell sarcoma of the small bowel. Lunderquist A, et al. **Radiology 98:113-5, Jan 71**

[Primary malignant spinal tumors in children] Béraud C, et al. **J Radiol Electrol Med Nucl 50:657-62, Oct 69 (Fre)**

[Multiple tumors of the small intestine] Georget AM, et al. **J Radiol Electrol Med Nucl 50:Suppl 5:477-9, May 69 (Fre)**

[Cancer of Treitz's angle (a case)] Ionescu D. **J Radiol Electrol Med Nucl 52:37, Jan-Feb 71 (Fre)**

[Manifestations of reticulum cell sarcoma in the thoracic region] Wolf M, et al. **Dtsch Gesundheitsw 25:2209-12, 19 Nov 70 (Ger)**

[Infiltration of a malignant reticulosis into the rear wall of the stomach] Lütgemeier J. **Fortschr Geb Roentgenstr Nuklearmed 112:413-4, Mar 70 (Ger)**

[Lymphography in malignant lymphomas (report of 200 cases)] Blaudow K. **Radiobiol Radiother (Berl) 11:559-79, 1970 (Ger)**

[Lung involvement in reticulum cell sarcomatosis and lymphosarcomatosis] Lucas D, et al. **Z Erkr Atmungsorgane 132:11-5, 1970 (Ger)**

[Intrathoracic expansive process] Magalhães A de A, et al. **Rev Assoc Med Bras 17:183-4, May 71 (Por)**

[X-ray image of malignant lymphomas of the gastrointestinal tract] Kagan EM. **Vestn Rentgenol Radiol 45:31-40, Nov-Dec 70 (Rus)**

RADIOTHERAPY

Radiotherapy of primary lymphoma of the orbit. Foster SC, et al. **Am J Roentgenol Radium Ther Nucl Med 111:343-9, Feb 71**

A clinical study of partial liver irradiation. Nomura S. **Hiroshima J Med Sci 19:63-72, Sep 70**

Reticulum-cell sarcoma treated by radiation. Robinson T, et al. **Radiology 99:669-75, Jun 71**

Combined chemotherapy and radiotherapy for advanced Hodgkin's disease and reticulum cell sarcoma: a preliminary report. Gamble JF, et al. **South Med J 64:775-83, Jul 71**

[Epithelioma of the pharyngeal walls of the rhino-, oro- and the hypopharynx (tonsillar and pyriform sinus regions excluded)] Dancot H, et al. **Acta Otorhinolaryngol Belg 23:77-88, 1969 (Fre)**

[Comparative study of the results obtained in lymphosarcoma and reticulosarcoma of the upper respiratory and digestive passages and lymph nodes in 2 radiotherapy series: a) 1st series: Low dosage radiotherapy without so-called prophylactic irradiation b) 2nd series: High dosage radiotherapy with so-called prophylactic irradiation] Dancot H. **Bull Cancer (Paris) 55:439-48, Jul-Sep 68 (Fre)**

[Radiotherapeutic treatment of gastrointestinal lympho-reticulosarcoma (18 cases)] Roussel J, et al. **J Radiol Electrol Med Nucl 51:421-3, Jun-Jul 70 (Fre)**

[Regression of lymphovenous shunts after tumor therapy] Janssen N, et al. **Fortschr Geb Roentgenstr Nuklearmed 113:503-9, Oct 70 (Ger)**

[Primary sarcoma of the palatine tonsil with special reference to reticulosarcoma. I. Clinical aspect, prognosis and results of radiation therapy] Halama J. **HNO 19:19-22, Jan 71 (Ger)**

[Primary sarcoma of palatine tonsil with special reference to reticulosarcoma. II. The significance of local curie therapy with isotopes and the percutaneous high voltage irradiation] Halama J. **HNO 19:23-6, Jan 71 (Ger)**

[Therapy of acute retothelial sarcoma with generalization tendency] Milbradt R. **Munch Med Wochenschr 112:1971-2, 23 Oct 70 (Ger)**

[Mega-volt therapy of malignant stomach neoplasms] Wieland C, et al. **Strahlentherapie 140:20-6, Jul 70 (Ger)**

[Case of reticulum cell sarcoma of the thalamus successfully treated with x-ray] Kubota S, et al. **Brain Nerve (Tokyo) 23:315-9, Mar 71 (Jap)**

[Reticulosarcomas in otorhinolaryngology irradiated by telecobalt therapy during 1960, 1961 and 1962] Janković I. **Med Glas 24:170-2, Apr-May 70 (Cro)**

SURGERY

Mediastinal-reticulo-lympho-sarcoma operated and cured. Bercu G. **Acta Tuberc Pneumol Belg 60:850-6, 1969**

[Reticulum cell sarcoma of Meckel's diverticulum with perforation] Jirásek J, et al. **Rozhl Chir 50:79-82, Feb 71 (Cze)**

[2 cases of reticulosarcoma of the base of the tongue, 1

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

surgically treated more than 5 years ago] Tchedomir I. **Acta Otorhinolaryngol Belg 24:605-9, 1970 (Fre)**
[The surgical treatment of bone tumors] Denischi A, et al. **Beitr Orthop Traumatol 17:16-23, Jan 70 (Ger)**
[Substitutive endoprosthesis of the lower two-thirds of the femur in a case of reticulosarcoma] Cattaneo R, et al. **Minerva Ortop 21:426-32, Jun-Jul 70 (Ita)**

THERAPY

Reticulum cell lymphoma. Fromer JL. **Arch Dermatol 102:124-5, Jul 70**
End results in reticulum cell sarcoma of bone treated by bacterial toxin therapy alone or combined with surgery and-or radiotherapy (47 cases) or with concurrent infection (5 cases). Miller TR, et al. **Cancer 27:524-48, Mar 71**
A case of reticulum cell sarcoma of the larynx. Thitadilok V. **J Med Assoc Thai 54:268-72, Apr 71**
[Shoulder blade sarcoma successfully treated without surgery] Hardegen W. **Med Klin 65:882-5, 1 May 70 (Ger)**
[Results of treatment of malignant neoplasms of the thyroid] Kossak J, et al. **Wiad Lek 23:2183-6, 15 Dec 70 (Pol)**
[Orbital reticulosarcoma. Diagnostic and treatment] Gonella AF, et al. **Arch Oftalmol B Aires 45:265-71, Jul 70 (Spa)**
[Results of treatment of reticulosarcomas in ENT] Takić J, et al. **Med Glas 24:169-70, Apr-May 70 (Cro)**

VETERINARY

Sudden death in a mare due to a malignant lymphoma. Pascoe RR. **Aust Vet J 46:559, Nov 70**
Chemotherapy in reticulum-cell sarcoma in five dogs and a cat and in mast-cell leukemia in a cat. McClelland RB. **Cornell Vet 61:477-81, Jul 71**
Neoplasms of the hematopoietic system in nonhuman primates: report of one spontaneous tumor and two leukemias induced by procarbazine. O'Gara RW, et al. **J Natl Cancer Inst 46:1121-30, Jun 71**
[Retothelial sarcomatosis in a mare] Keller H. **Berl Munch Tieraerztl Wochenschr 83:364-5, 15 Sep 70 (Ger)**
[Gastric reticuloendothelioma in the dog] Addis F. **Acta Med Vet (Napoli) 15:611-9, Nov-Dec 69 (Ita)**

SARCOMA, ROUS see ROUS SARCOMA (C1, C2)

SARCOMA, YOSHIDA (C2)

Studies on the mechanism of resistance to alkylating agents of three ascites tumours in the rat. Poynter RW. **Biochem Pharmacol 19:1387-97, Apr 70**
Factors controlling the growth of the Yoshida ascites tumour in the uterus of the rat. Lions J. **Br J Exp Pathol 51:453-63, Oct 70**
Labilizing affect of lipoprotein lipase on lysosomes of tumor cells. Niitani H, et al. **Gann 62:61-3, Feb 71**
[Studies on the cells producing an antitumor agent] Nio Y. **Nippon Acta Radiol 30:481-8, Sep 70 (Jap)**

BLOOD

Serum sialic acid in rats bearing Yoshida ascites sarcoma. Rao VS, et al. **Indian J Biochem 7:184-6, Sep 70**
[Studies on the cytolytic action of plasmin on Yoshida ascites sarcoma] Hilgard P, et al. **Arch Geschwulstforsch 34:136-43, 1969 (Ger)**
[Agar electrophoresis and biochemical analyses of serum proteins in tumor bearing experimental rats] Götz H, et al. **Z Gesamte Exp Med 153:1-13, 1970 (Ger)**
[Serum level of sialic acid in rats after implantation of Yoshida sarcoma] Gerber J, et al. **Nowotwory 20:69-74, Apr-Jun 70 (Pol)**

COMPLICATIONS

Spleen reaction following tumor growth. A study with a homotransplantable rat tumor. Ballini Kerr I. **Arch Geschwulstforsch 35:13-20, 1970**

DIAGNOSIS

[Experiments on serologic tumor diagnosis, using spore-forming bacteria (II)] Möse JR, et al. **Z Krebsforsch 74:91-9, 1970 (Ger)**
[The suitability of spore-forming organisms for a serological method for tumor diagnosis] Möse JR. **Zentralbl Bakteriol [Orig] 213:240-58, 1970 (Ger)**

DRUG THERAPY

Growth inhibition of tumour implants by associated surface active agents. Altman RF, et al. **Br J Cancer 24:528-34, Sep 70**
Cathepsins inhibit growth of Yoshida ascites sarcoma in rat. Allegretti N, et al. **Nature [New Biol] 229:180-1, 10 Feb 71**
Growth of transplantable tumours in animals during combined treatment with cytostatics and yeast cell wall polysaccharide zymosan. Pfordte K, et al. **Neoplasma 18:173-7, 1971**
[Antitumor activity of total extract of "Amanita phalloides" on Yoshida ascites tumor AH130] Villa L, et al. **Tumori 55:217-24, 1969 (Ita)**
[Chemotherapy of murine Ehrlich carcinoma and rat Yoshida sarcoma transplanted on hamsters] Ondruš B, et al. **Bratisl Lek Listy 54:262-74, Sep 70 (Slo)**

ENZYMOLOGY

Intracellular localization and heterogeneity of alkaline phosphatase of Yoshida ascites sarcoma. Dunne J, et al. **Experientia 26:1082-3, 15 Oct 70**
Increase of adenosine triphosphatase activity of Yoshida sarcoma cells in the process of acquiring resistance to alkylating agents. Tsukagoshi S, et al. **Gann 62:65-6, Feb 71**
Transaminase of branched chain amino acids. VII. Comparative studies on isozymes of ascites hepatoma and various normal tissues of rat. Ogawa K, et al. **J Biochem (Tokyo) 68:901-11, Dec 70**
[Branched chain amino acid transaminase isozymes in various cancer cells and in the process of oncogenesis] Ogawa K. **J Jap Biochem Soc 43:197-209, Apr 71 (Jap)**

IMMUNOLOGY

Immunological studies in experimental cancer: Yoshida ascites sarcoma in rats. Rao VS, et al. **Indian J Med Res 57:1427-36, Aug 69**
Immunological studies on Yoshida sarcoma cells. I. The effect of heterologous anti-Yoshida sarcoma cell antibodies on the lysosomal acid DNase of sarcoma cells. Kuroyanagi T, et al. **Jap J Exp Med 40:183-90, Jun 70**
Immunological studies on Yoshida sarcoma cells. II. Cellular localization of heterologous anti-yoshida sarcoma cell antibodies and immunohemolytic anemia induced by their injections in the rat. Sugiyama H, et al. **Jap J Exp Med 40:191-9, Jun 70**
Natural antibodies in normal human sera against the Ehrlich mouse ascites tumour identified with the aid of complement components, utilizing classical reagents. Oravec C, et al. **Neoplasma 18:141-59, 1971**
[Immunodepressive action of thalidomide and prednisolone in rats with experimentally induced neoplasms] Guidetti E, et al. **Cancro 22:503-12, 1969 (Ita)**

METABOLISM

The selectivity of action of alkylating agents and drug resistance. 3. The uptake and degradation of alkylating drugs by Yoshida ascites sarcoma cells in vitro. Harrap KR, et al. **Biochem Pharmacol 19:209-17, Jan 70**
Effects of chlorambucil treatment on the rates of respiration and glycolysis in drug-sensitive and -resistant strains of the Yoshida ascites sarcoma. Hill BT, et al. **Biochem Pharmacol 19:2973-8, Dec 70**
Investigation of the alkylating action of 1,1-dimethylhydrazine. Krüger FW, et al. **Biochem Pharmacol 19:1825, May 70**
Mechanism of resistance of Yoshida sarcoma to nitrogen mustard. Inaba M, et al. **Int J Cancer 7:430-5, 15 May 71**
The effect of chlorambucil on the incorporation of tritiated precursors into the nucleic acids and proteins of Yoshida ascites sarcoma cells. Hill BT, et al. **Neoplasma 17:485-9, 1970**
[Aescin in adipose tissue and ascites tumor cells] Bruchhausen F von, et al. **Naunyn Schmiedebergs Arch Pharmakol 266:303-4, 1970 (Ger)**
[K-transport and metabolism in Mg-deficient growing Yoshida ascites tumor cells] Günther T, et al. **Z Klin Chem Klin Biochem 8:621-5, Nov 70 (Ger)**
[Time course of the concentration of Mn, Cu and Zn in liver, spleen and thymus of rats with Yoshida ascites sarcoma] Zimmerer J, et al. **Z Krebsforsch 74:15-9, 1970 (Ger)**

PATHOLOGY

Transplanted tumours of the larynx. Nitze HR, et al. **Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:360, 1971**
Growth of metastases from P-388 sarcoma in the rat followig whole body irradiation. Van den Brenk HA, et al. **Br J Cancer 25:186-207, Mar 71**
Experiments on lymph node metastasis by intralymphatic inoculation of rat ascites tumor cells, with special reference to lodgement, passage, and growth of tumor cells in lymph nodes. Kurokawa Y. **Gann 61:461-71, Oct 70**
Transformation of malignant growth. Yoshida T. **Klin Wochenschr 49:621-8, 1 Jun 71**
[The significance of glucose for the growth of Yoshida ascites tumor cells in suspension cultures] Averdunk R, et al. **Z Naturforsch [B] 26:595-8, Jun 71 (Ger)**
[Synchronization of the cell cycle in solid tumors] Matsuzawa D, et al. **Jap J Cancer Clin 17:344-7, May 71 (Jap)**

RADIOTHERAPY

[Radiation sensitivity of malignant tumors following pretreatment with photosensitizing tetracycline] Dell M, et al. **Strahlentherapie 139:512-5, Apr 70 (Ger)**

THERAPY

[Studies on the influence of hyperthermia and in vitro thermosensitizers on Yoshida and Jensen sarcoma in rats] Schmidt D, et al. **Arch Geschwulstforsch 33:123-31, 1969 (Ger)**

SARCOPTES SCABIEI (B1)

[Experiments on the control sarcoptidosis in cattle, sheep, and pigs, using a Hypodix pour-on method] Gräfner G, et al. **Monatsh Vet Med 24:844-6, 15 Nov 69 (Ger)**

SARCOSINE (D10)

Cis-trans rotational isomerism about the N-methylglycine (sarcosine) peptide bond. Liberek B, et al. **Chem Ind 39:1263-4, 26 Sep 70**
Effects of sodium N-lauroyl sarcosinate on plaque pH in vivo. Hassell TM, et al. **Helv Odontol Acta 15:52-3, Apr 71**
[Molecular configuration of sarcosinic acid: crystalline structure of bromo-meso-sarcosinic acid] Pascard-Billy C. **Acta Crystallogr [B] (Kbh) 26:1418-25, 15 Oct 70 (Fre)**

BLOOD

[Hypersarcosinemia] David M. **Pediatrie 23:837-40, Oct-Nov 68 (Fre)**

METABOLISM

One-carbon metabolism in microorganisms. I. Oxidative demethylation in a sarcosine-utilizing bacterium. Frisell WR. **Arch Biochem Biophys 142:213-22, Jan 71**
Clinical and cellular studies of sarcosinemia. Scott CR, et al. **J Pediatr 77:805-11, Nov 70**

PHARMACODYNAMICS

A clinical comparison of fluoride and antienzyme dentifrices. Muhler JC. **J Dent Child 37:501 passim, Nov-Dec 70**

SARCOSOMES see MITOCHONDRIA, MUSCLE (A11)

SARCOSPORIDIA (B1)

Studies on the toxicity of Sarcocystis. Mandour AM. **J Med Microbiol 2:361-3, Aug 69**

SARCOSPORIDIOSIS (C1)

VETERINARY

Sarcocystis infection in African antelopes. Mandour AM, et al. **Ann Trop Med Parasitol 64:513-23, Dec 70**
Parasitic infestations of bovine heart in Uttar Pradesh. Singh KP, et al. **Indian Vet J 47:1023, Nov 70**
Myocaddial sarcosporidiosis in the camel. el-Etreby MF. **Pathol Vet 7:7-11, 1970**
[Occurrence of sarcosporidiosis in East African game animals] Kaliner G, et al. **Z Tropenmed Parasitol 22:156-64, Jun 71 (Ger)**
[Microscopic diagnosis of sarcosporidiosis and its incidence in some domestic animals in Poland] Kozar M. **Wiad Parazytol 17:29-39, 1971 (Pol)**

SARKOLYSIN see MELPHALAN (D4)

SAROTEN see AMITRIPTYLINE (D6)

SARSASAPOGENIN see under SPIROSTANS (D2)

SAUNA see BATHS, FINNISH (E2)

SCABIES (C1)

Epidemic scabies. Haydon JR Jr, et al. **Arch Dermatol 103:168-73, Feb 71**
[Scabies crustosa (Norwegian scabies)] Itani Z. **Z Haut Geschlechtskr 44:973-8, 1 Dec 69 (Ger)**

DIAGNOSIS

[Diagnosis of scabies] Sevcová M. **Cesk Epidemiol Mikrobiol Imunol 20:113-5, May 71 (Cze)**
[A new clinical symptom of scabies] Arutjunov WJ. **Dermatol Monatsschr 156:653-4, 1970 (Ger)**
[Case of scabies crustosa] Wiechowski W. **Wiad Lek 24:973-4, 15 May 71 (Pol)**

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Diagnosis of scabies] Duk AV.
Vestn Dermatol Venerol 44:79-81, Feb 70 (Rus)
[Epidemiology and clinical picture of scabies] Skripkin IuK, et al.
Vestn Dermatol Venerol 44:43-7, Oct 70 (Rus)

DRUG THERAPY

Scabies norvegica. Treatment with methotrexate. Ward WH. Australas J Dermatol 12:44-51, Apr 71
Resurgence of scabies. Pace WE, et al.
Can Med Assoc J 104:719, 17 Apr 71
[Timely scabies treatment] Kleine-Natrop HE, et al.
Dtsch Gesundheitsw 25:2082-4, 29 Oct 70 (Ger)
[Scabies and thiabendazole] Mello ET de, et al.
Rev Paul Med 77:77-9, Mar 71 (Por)
[Experience in preventing dermatitis in the treatment of scabies] Rybkis IM.
Vestn Dermatol Venerol 44:78, Jul 70 (Rus)

MICROBIOLOGY

Study of streptococci isolated from scabies cases. Rumao LM, et al. Indian J Med Sci 25:100-2, Feb 71

OCCURRENCE

Resurgence of scabies. Orkin M.
JAMA 217:593-7, 2 Aug 71
[Scabies and pediculosis incidence in Karvina region] Palička P, et al.
Cesk Epidemiol Mikrobiol Imunol 20:116-20, May 71 (Cze)
[Combined epidemic of pruritus and syphilis. What therapeutic procedure should be followed?] Rollier MR.
Bull Soc Fr Dermatol Syphiligr 76:713-4, 1969 (Fre)
[Studies on the currently increased incidence and on the clinical aspects and therapy of scabies] Sönnichsen N, et al.
Dtsch Gesundheitsw 28:1178-83, 24 Jun 70 (Ger)
[Studies on the currently increased incidence and on the clinical aspects and therapy of scabies] Sönnichsen N, et al.
Dtsch Gesundheitsw 25:1178-83, 24 Jun 70 (Ger)
[Reappearance of scabies in Rio Grande do Sul] Bopp C, et al. An Bras Dermatol 42:1-14, Jam-Mar 67 (Por)
[Epidemiology and clinical picture of scabies] Skripkin IuK, et al.
Vestn Dermatol Venerol 44:43-7, Oct 70 (Rus)
[Endemic-epidemiology of scabies in Rio de Janeiro] Ramos e Silva J, et al.
An Bras Dermatol 45:241-8, Jul-Sep 70 (Spa)
[Epidemiology of human scabies in the City of Santiago] Schenone H, et al.
Bol Chil Parasitol 25:42-5, Jan-Jun 70 (Spa)
[Scabies: new epidemic?] Ruiz Maldonado R, et al.
Salud Publica Mex 12:801-9, Nov-Dec 70 (Spa)

PATHOLOGY

Mite burrows in crusts from young infants. Madsen A.
Acta Derm Venereol (Stockh) 50:391-2, 1970

THERAPY

[Scabies--clinical picture, treatment and prevention] Iarmukhamedova ZS, et al.
Sov Zdravookhr Kirg 6:54-7, Nov-Dec 70 (Rus)
[Experience in the treatment of scabies with Ufa benzylbenzoate] Kabyrova MM.
Vestn Dermatol Venerol 44:81-3, Feb 70 (Rus)

VETERINARY

Chloropyridyl phosphorothioate insecticide as dip and spray: efficacy against Psoroptes ovis, dermal toxicity for domesticated animals, selective carryout, and stability in the dipping vat. Strickland RK, et al.
Am J Vet Res 31:2135-43, Dec 70
Treatment of sarcoptic mange in buffaloes with indigenous remedies. Srivastava GC, et al.
Indian Vet J 48:196-9, Feb 71

SCALENUS ANTICUS SYNDROME (C10)

Thoracic-outlet syndrome. Flax HJ.
Bol Asoc Med PR 62:289-91, Oct 70
Thoracic inlet syndrome. A study of 35 surgical cases. Dinakar I, et al. Int Surg 56:1-7, Jul 71
[Thoracic outlet syndrome] Tateishi A.
Orthop Surg (Tokyo) 22:540, Jul 71 (Jap)

COMPLICATIONS

Wasting of the hand associated with a cervical rib or band. Gilliatt RW, et al.
J Neurol Neurosurg Psychiatry 33:615-24, Oct 70
Vascular complications of the thoracic outlet syndrome: a case report. Heymann RL, et al.
Milit Med 135:793-6, Sep 70
[Cervicobrachialgias due to cervical rib and scalene syndrome. Personal experience] Ortiz-Gonzalez JM, et al. Neurochirurgie 17:97-105, Mar-Apr 71 (Fre)
[Electromyographic study of opsoclonia associated with vertebrobasilar insufficiency syndrome] Brichet B, et al. Rev Neurol (Paris) 122:439-43, Jun 70 (Fre)

DIAGNOSIS

Cervical rib or carpal tunnel? Lancet 1:588, 20 Mar 71
[Scalenus syndrome] Reisinger G, et al.
Munch Med Wochenschr 111:2334-8, 7 Nov 69 (Ger)
[Case of left cervical rib syndrome with atypical course initially imitating pains present in coronary disease in a 43-year-old woman] Lechowski S, et al.
Przegl Lek 26:683-4, 1970 (Pol)
[Electronic oscilliography in the diagnosis of peripheral vascular diseases. IV. Topographical localization of the vascular disorder] Martinez-Muñoz A, et al.
Angiologia 22:180-94, Jul-Aug 70 (Spa)

ETIOLOGY

[Foramen arcuale atlantis as the etiological factor of vertebrobasilar insufficiency--decompression of the vertebral artery] Ercegovac N, et al.
Vojnosanit Pregl 27:435-41, Oct 70 (Cro)

PATHOLOGY

[Vascular changes in cervical rib syndrome] Kwiatkowski C, et al.
Chir Narzadow Ruchu Ortop Pol 35:791-5, 1970 (Pol)

RADIOGRAPHY

[Dynamic arteriography in the costoclavicular syndrome] Bocquet M, et al.
Ann Radiol (Paris) 13:827-43, 1970 (Fre)
[Subclavian arteriography in the study of malformations of the supraclavicular fossa] Bories J, et al. Ann Radiol (Paris) 13:693-704, 1970 (Fre)

SURGERY

A technic for cervical rib resection. Schein CJ.
Am J Surg 121:623-7, May 71
Thoracic outlet syndromes: current management. Lord JW Jr. Ann Surg 173:700-5, May 71
Experience with first rib resection for thoracic outlet syndrome. Roos DB. Ann Surg 173:429-42, Mar 71
The scalenus anticus syndrome and competitive swimming. Report of two cases. Frankel SA, et al.
JAMA 215:1796-8, 15 Mar 71
Present status of surgical treatment of thoracic outlet syndrome. Taheri SA. Vasc Surg 4:217-28, Dec 70
[Superior thoracic aperture compression syndrome and its treatment by resection of the 1st rib] Hájek M.
Rozhl Chir 50:245-9, May 71 (Cze)
[Surgery in thoracic outlet syndrome--the 1st rib resection by transaxiliary approach] Tateishi A, et al.
Shujutsu 25:653-60, Jun 71 (Jap)

THERAPY

An evaluation of transaxiliary removal of cervical and first rib. Petersen R, et al.
J Iowa Med Soc 61:554-6, Sep 71

SCALP (A1)

A complication of fetal scalp blood sampling. Nelson GH, et al. Am J Obstet Gynecol 110:737-8, 1 Jul 71
Congenital subgaleal cysts over the anterior fontanelle in Nigerians. Adeloye A, et al.
Arch Dis Child 46:95-8, Feb 71
Linea nevus sebaceus. A neurocutaneous syndrome associated with infantile spasms. Herbst BA, et al.
Arch Neurol 24:317-22, Apr 71
Dermal cylindroma following x-ray epilation of the scalp. Black MM, et al. Br J Dermatol 85:70-2, Jul 71
Pilar tumour of the scalp developing in hereditary sebaceous cysts. Stranc MF, et al.
Br J Plast Surg 24:82-5, Jan 71
The effects of low level DC scalp positive and negative current on the performance of various tasks. Hall KM, et al. Br J Psychiatry 117:689-91, Dec 70
Progressive alopecia associated with dry scalp: preliminary observations. Banerjee AK, et al.
Bull Calcutta Sch Trop Med 18:18 passim, Jan 70
Ultrastructure of a fibroxanthosarcoma (malignant fibroxanthoma). Merkow LP, et al.
Cancer 28:372-83, Aug 71
Invasion of the brain by a cellular blue nevus of the scalp. A case report with light and electron microscopic studies. Silverberg GD, et al.
Cancer 27:349-55, Feb 71
Pulsatile echoencephalography with combined use of scalp rheography and electrocardiography. Kashiki Y, et al. Folia Psychiatr Neurol Jap 24:93-108, 1970
Scalp abscesses following fetal blood sampling or monitoring. Balfour HH Jr, et al.
J Pediatr 79:344, Aug 71
Scalp abscess: a rare complication of fetal monitoring. Cordero L Jr, et al. J Pediatr 78:533-7, Mar 71
The value of fetal scalp blood hemoglobin determination in Rh erythroblastosis fetalis. Hobel CJ. J Pediatr 77:460-2, Sep 70
Complication of long hair. Cantu RC.
Lancet 1:350, 13 Feb 71
Vincristine and alopecia. Heison L, et al.
N Engl J Med 284:336, 11 Feb 71
Scalp tourniquet to lessen alopecia after vincristine. O'Brien R, et al. N Engl J Med 283:1469, 24 Dec 70
[Indications for electron therapy in the treatment of tumors of the head and neck] Ennuyer A, et al.
Bull Cancer (Paris) 56:43-60, Jan-Mar 69 (Fre)
[Cutaneous ulcers of the scalp during Horton's disease] Bourgeois-Spinasse J, et al.
Bull Soc Fr Dermatol Syphiligr 77:804-8, 1970 (Fre)
[Metastatic epithelioma of the scalp, probably of mammary origin; primary infiltrating alopecic type] Friedmann E.
Bull Soc Fr Dermatol Syphiligr 76:453-4, 1969 (Fre)
[Sheet-type angioendothelioma of the face and scalp] Sourrell P, et al.
Bull Soc Fr Dermatol Syphiligr 77:730-1, 1970 (Fre)
[Papilliferous syringocystadenoma and basal cell epithelioma on Jadassohn's sebaceous nevus] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:369-71, 1969 (Fre)
[Repair of the eyebrow] Thomas C, et al.
Bull Soc Ophtalmol Fr 69:719-24, Jul-Aug 69 (Fre)
[Scalp tumor induced by irradiation and recognized under the electron microscope as fibrosarcoma] Estable RF de. Laval Med 40:279, Mar 69 (Fre)
[Voluminous callosity of the scalp in an 85-year-old woman] Simeray A. Lyon Med 221:964, 20 Apr 69 (Fre)
[Papilliferous syringocystadenoma and basocellular epithelioma on Jadassohn's sebaceous nevus] Thiers H, et al. Lyon Med 221:1028-31, 27 Apr 69 (Fre)
[Lichen amyloidus in generalized pericollagenic amyloidosis and plasmacytoma, coincidence of epithelioma adenoides cysticum Brooke and Spiegler tumors] Jänner M. Hautarzt 22:265-6, Jun 71 (Ger)
[Cancerous lesions of the scalp and the tongue in Morocco] Körbler J.
Osterr Z Erforsch Bekaempf Krebskr 25:429-32, 1970 (Ger)
[Diseases of the exterior female genitalia. Adnexal neoplasms, cylindroma (Spiegler's tumor)] Grimmer H. Z Haut Geschlechtskr 46:123-30, 15 Aug 71 (Ger)
[Cutaneous osteomas] Mariotti A.
Arch Ital Dermatol Venereol Sessuol 36:255-63, 1969 (Ita)
[Penetration of light through the skull and the brain of the rat at various ages. Measurements taken separately for skin and bone] Viggiani E, et al.
Boll Soc Ital Biol Sper 46:470-3, 15 May 70 (Ita)
[2 cases of sinus pericranii] Kumagai R, et al.
Brain Nerve (Tokyo) 23:181-4, Feb 71 (Jap)
[Rare case of cutis verticis gyrata] Ptasińska-Urbańska M. Folia Morphol (Warsz) 30:135-7, 1971 (Pol)
[Cylindroma of the scalp] Pirogova EP.
Vestn Dermatol Venerol 44:65-6, Jun 70 (Rus)
[Free skin graft in surgical treatment of skin hemangiomas in children] Golovatiuk LE.
Vestn Khir 105:110-1, Aug 70 (Rus)
[Malignant changes in atheromatosis of the epicranium] Bogdanov B.
Med Pregl 23:211-3, 1970 (Ser)
[A case of large cavernous hemangioma of the scalp] Tasić D. Srp Arh Celok Lek 97:1387-90, Dec 69 (Ser)
[Metastatic carcinoma] Gomez Orbaneja J, et al.
Actas Dermosifiliogr 61:65-70, Mar-Apr 70 (Spa)
[Jadassohn's nevus. Association with neurologic disorders] Weinstein IH, et al.
Prensa Med Argent 57:1761-4, 13 Nov 70 (Spa)

ABNORMALITIES

Aplasia cutis congenita. Deeken JH, et al.
Arch Dermatol 102:386-9, Oct 70
45,X-46, XY mosaicism. A case with typical Turner stigmata and occipital webbing. Kajii T, et al.
Jap J Hum Genet 15:248-54, Mar 71

ANALYSIS

Lack of agreement on normal values for fetal scalp blood. Lumley J, et al.
J Obstet Gynaecol Br Commonw 78:13-21, Jan 71
Fetal scalp tissue oxygen tension measurements in relation to maternal dermal oxygen tension and fetal heart rate. Walker A, et al.
J Obstet Gynaecol Br Commonw 78:1-12, Jan 71
[Fatty scalp] Herrmann F.
Z Haut Geschlechtskr 46:71-4, 1 Feb 71 (Ger)

ANATOMY & HISTOLOGY

[Structure and function of the subgaleotic connective tissue] Lang J, et al.
Z Anat Entwicklungsgesch 132:272-81, 1970 (Ger)

BLOOD SUPPLY

Observations of fenestrated capillaries in the human scalp. McLeod WA. J Invest Dermatol 55:354-7, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The unreliability of a single estimation of fetal scalp blood pH. Lumley J, et al.
J Lab Clin Med 77:535-42, Apr 71
Recurrence of vascular malformation of the scalp 18 years following excision. Case report. Wilkinson HA.
J Neurosurg 34:435-7, Mar 71
Aneurysms and arteriovenous fistulas of the superficial temporal vessels. Schechter MM, et al.
Radiology 97:549-57, Dec 70
[Arterial vascularization of the normal scalp (presentation of anatomic specimens treated by diaphanization according to Spalteholtz' technic)] Neidhardt JH, et al.
Lyon Med 225:749-50, 25 Apr 71 (Fre)
[Determination of the arterial oxygen pressure (PaO2) on capillary blood during the neonatal period. Value of samplings from the scalp] Dodion J, et al.
Pediatrie 25:713-20, Oct-Nov 70 (Fre)
[Traumatic arterio-venous fistula with aneurysm of the scalp] Kagawa M, et al.
Brain Nerve (Tokyo) 22:1447-50, Dec 70 (Jap)

EMBRYOLOGY

[Histogenetic study on the sweat glands and other accessory organs of head skin in Japanese fetuses] Ishii R.
J Kumamoto Med Soc 44:926-36, 25 Oct 70 (Jap)

INJURIES

Total scalp loss. De Ramos LM.
Am J Nurs 71:1404-5, Jul 71
Management of scalp defects. Khanna NN.
Am Surg 37:363-5, Jun 71
Management of the extensively burned scalp. Cunningham DS, et al. J Trauma 11:695-8, Aug 71
[Treatment possibilities for the completely avulsed scalp and frontal region by thin grafts taken from the scalp itself] Neidhardt JH, et al.
Lyon Med 222:91-4, 13 Jul 69 (Fre)

INNERVATION

[Are there any connections between sensory innervation of the head and location of the alopecia areata foci?] Hönemann W, et al.
Dermatol Monatsschr 156:683-90, Jul 70 (Ger)
[Sensitive nerve-endings in the bald-headed skin. Alopecia senilis] Kadanoff D.
Z Haut Geschlechtskr 46:351-8, 1 Jun 71 (Ger)

MICROBIOLOGY

[Infestation of the head by the pathogenic agent of pityriasis versicolor] Hantschke D.
Z Haut Geschlechtskr 46:79-80, 1 Feb 71 (Ger)

PATHOLOGY

Glucose-6-phosphate dehydrogenase mosaicism: ito;ozatopm om tje study of hair follicle variegation. Gartler SM, et al. Ann Hum Genet 35:1-7, Jul 71

PHYSIOLOGY

Scalp recorded evoked myogenic responses to finger cutaneous nerve stimulation. Calmes RL, et al. Electroencephalogr Clin Neurophysiol 29:411-2, Oct 70
Evoked potentials from the human scalp to visual half-field stimulation. Cobb WA, et al.
J Physiol (Lond) 208:39P-40P, Jun 70
Ballistocardiography simplified by recording microvibration of the skin surface of the head. Ozaki T, et al. Tohoku J Exp Med 102:99-100, Sep 70
A method of evoking contour-specific scalp potentials by chromatic checkerboard patterns. Regan D, et al.
Vision Res 11:173-6, Feb 71
[Evaluation of 3 kinds of mapping of visual evoked response on the occipital scalp] Takenaka J, et al.
Folia Ophthalmol Jap 22:389-92, Jun 71 (Jap)

SURGERY

Further experiences on free transfer of hair bearing skin. Karfík V, et al.
Acta Chir Plast (Praha) 12:227-34, 1970
New three-flap reconstruction technique. Orticochea M. Br J Plast Surg 24:184-8, Apr 71
Immediate reconstruction with bipolar scalp flap after excisions of huge cheek cancers. Narayanan M.
Plast Reconstr Surg 46:548-53, Dec 70
Replacement of the avulsed scalp. Case reports. Nummi P, et al. Scand J Plast Reconstr Surg 5:67-70, 1971
Hair transplantation: the punch graft technique. Orentreich N. Surg Clin North Am 51:511-8, Apr 71
Hair transplantation for male pattern baldness. Vallis CP. Surg Clin North Am 51:519-31, Apr 71
[Complete scalping. Immediate reposition] Murat J, et al. Lyon Chir 65:414-5, May-Jun 69 (Fre)
[Total scalping. Immediate recovery by dermo-epidermal grafts taken from the same scalp] Neidhardt JH, et al.
Lyon Chir 65:416-20, May-Jun 69 (Fre)
[Repair of loss of substance of the scalp] Stricker M, et al. Rev Otoneuroophtalmol 41:280-7, Jul-Aug 69 (Fre)

TRANSPLANTATION

[Surgical correction of baldness with fragmentary autografts scalp] Arouète J.
Bull Soc Fr Dermatol Syphiligr 78:8-11, 1971 (Fre)
[A new treatment of baldness: the scalp transplantation] Chérif Cheikh JL, et al.
Therapeutique 47:519-21, May 71 (Fre)
[The cosmetological aspects of scalp transplants] Puissant A, et al.
G Ital Dermatol 46:149-50, Apr 71 (Ita)

SCALP DERMATOSES (C12)

Ulcerated lupus erythematosus. el-Zawahry M.
Indian J Dermatol 16:15-6, Oct 70
Disorders of the hair and scalp in childhood. Orentreich N. Pediatr Clin North Am 18:953-74, Aug 71
[Cicatricial pemphigoid of the scalp] Bouriond A, et al.
Arch Belg Dermatol Syphiligr 26:567-9, Oct-Dec 70 (Fre)
[Pilary scalp tumor of Wilson Jones proliferating epidermoid cyst] Stewart WM, et al.
Arch Belg Dermatol Syphiligr 26:457-62, Jul-Sep 70 (Fre)

CLASSIFICATION

Reevaluation of ichthyosis and hair shaft abnormalities. Hurwitz S, et al.
Arch Dermatol 103:266-71, Mar 71

COMPLICATIONS

Malignant transformation in giant congenital pigmented nevus. Death in early childhood. Penman HG, et al. Arch Dermatol 103:428-32, Apr 71
[Epidermolytic hyperkeratosis and cerebriform nevus of the scalp] Moulin G, et al.
Lyon Med 225:639, 11 Apr 71 (Fre)

CONGENITAL

[Congenital solitary nodular calcification of the skin. Apropos of a case] Rauber G, et al.
Bull Soc Fr Dermatol Syphiligr 77:435, 1970 (Fre)

DIAGNOSIS

Sarcoidosis. Baier GR. Arch Dermatol 102:108, Jul 70
Pityriasis rubra pilaris vs psoriasis.
Arch Dermatol 102:374-6, Nov 70
[Case of hematoderma with complex characteristics] Dupont A.
Bull Soc Fr Dermatol Syphiligr 76:227-9, 1969 (Fre)
[Netherton's syndrome] Salamon T, et al.
Z Haut Geschlechtskr 46:9-17, 1 Jan 71 (Ger)

DRUG THERAPY

[Experience with the new scalp disease drug dexa-loscon and loscon-medical shampoo in cases of seborrhea, psoriasis, and alopecia] Füller H.
Z Allgemeinmed 46:1401-4, 10 Oct 70 (Ger)
[Treatment of seborrheic dermatitis of the scalp. Therapeutic evaluation of a 1 per cent solution of selenium sulfate] Paschoal LH.
Hospital (Rio de J) 78:85-8, Jul 70 (Por)

ETIOLOGY

Seborrhea capitis in infants: a clinical experience in allergy therapy. Eppig JJ. Ann Allergy 29:323-4, Jun 71
[Peripilar sliding sheaths] Graciansky P de, et al.
Bull Soc Fr Dermatol Syphiligr 78:15-6, 1971 (Fre)
[The origin of the hair nodosities in Netherton's disease. (Polarization microscope studies)] Nikulin A, et al. Z Haut Geschlechtskr 44:1015-22, 15 Dec 69 (Ger)

MICROBIOLOGY

[The dynamics of the agents of mycoses of the scalp in the Udmurt ASSR (1959-1968)] Egorova MN.
Vestn Dermatol Venerol 44:42-5, Dec 70 (Rus)

PATHOLOGY

Mucous membrane pemphigoid. Sanderson KV.
Proc R Soc Med 64:862-3, Aug 71
Necrobiosis lipoidica presenting on the face and scalp. An account of 29 patients and a detailed consideration of recent histochemical findings. Jones EW.
Trans St Johns Hosp Dermatol Soc 57:202-20, 1971

THERAPY

Seborrhea capitis in infants: a clinical experience in allergy therapy. Eppig JJ. Ann Allergy 29:323-4, Jun 71

SCANDIUM (D1)

The binding of scandium ions to transferrin in vivo and in vitro. Ford-Hutchinson AW, et al.
Eur J Biochem 21:55-9, 15 Jul 71

ANALYSIS

Determination of iron, chromium, cobalt, nickel, and scandium in asbestos by neutron activation analysis. Holmes A, et al. Am Ind Hyg Assoc J 32:281-6, May 71

METABOLISM

Comparison of scandium-46 and cerium-144 as nonabsorbed reference materials in studies with cattle. Miller JK, et al. J Nutr 100:1287-91, Nov 70

URINE

[Determination of small amounts of scandium in urine] Men'kov AA, et al. Lab Delo 7:419-20, 1970 (Rus)

SCAPULA (A2)

Scapulo-humeral goniometer. Doody SG, et al.
Arch Phys Med Rehabil 51:711-3, Dec 70
Total scapulectomy for soft part tumor of the shoulder girdle. Ramirez J, et al. Surgery 69:271-5, Feb 71
[3 cases of osseous echinococcosis] Aulong C, et al.
Mem Acad Chir (Paris) 94:237-44, 1968 (Fre)
[Shoulder blade sarcoma successfully treated without surgery] Hardegen W.
Med Klin 65:882-5, 1 May 70 (Ger)
[On a case of fracture of the inferior angle of the scapula with atypical dislocation of the fragment] Asquasciati G. Minerva Ortop 20:22-4, Jan-Feb 69 (Ita)
[Acquired scapula alata caused by solitary exostosis of the scapula] Defabiani F, et al.
Minerva Ortop 20:656-9, Dec 69 (Ita)
[Case of Sprengel's deformity] Wenderlich Z.
Pol Tyg Lek 26:680-1, 3 May 71 (Pol)
[Periscapular pseudocaverns in tubercular patients following lung surgery] Karapetian ET, et al.
Grudn Khir 12:107-10, Nov-Dec 70 (Rus)

ABNORMALITIES

Bilateral Sprengel's syndrome with situs inversus totalis. Otter G den. Acta Orthop Scand 41:402-10, 1970
[Pelvis-shoulder dysplasia] Kosenow W, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:39-48, Jul 70 (Ger)
[Treatment of congenitally high-positioned scapula] Miura T, et al.
Orthop Surg (Tokyo) 22:222-7, Mar 71 (Jap)

ANATOMY & HISTOLOGY

[Secular changes in the form of the Japanese scapulae, compared with other races] Hojo T.
J Kumamoto Med Soc 44:937-52, 25 Oct 70 (Jap)

BLOOD SUPPLY

The postnatal development of the blood supply of the frontoparietal, scapula and mandible of the cat. Kayanja FI. Anat Anz 127:369-82, 1970

DRUG EFFECTS

The effect of enzyme treatment upon the resorption of scapular implants. Irving JT, et al.
Calcif Tissue Res 5:84-9, 1970

INJURIES

Avulsion of the coracoid process in an athlete. Report of a case. Benton J, et al.
J Bone Joint Surg [Am] 53:356-8, Mar 71
Axillary artery injury in closed fracture of the neck of the scapula: a case report. Stein RE, et al.
J Trauma 11:528-31, Jun 71
Surgical repair of complete acromioclavicular separation. Ahstrom JP Jr. JAMA 217:785-9, 9 Aug 71
[Rare complications of scapular spine injuries] Gördes W, et al. Arch Orthop Unfallchir 68:315-24, 1970 (Ger)
[Painful shoulderblade noise following trauma] Lanz U.
Monatsschr Unfallheilkd 73:575-8, 1970 (Ger)

INNERVATION

Spinal muscular atrophy of the scapulo-peroneal-type. Schuchmann L. Z Kinderheilkd 109:118-23, 1970

PHYSIOLOGY

Shoulder movements during abduction in the scapular plane. Doody SG, et al.
Arch Phys Med Rehabil 51:595-604, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

The scapular sign in rickets. Weiss A.
Radiology 98:633-6, Mar 71

SURGERY

Complete acromionectomy in the treatment of chronic tendinitis of the shoulder. A follow-up of ninety operations on eighty-seven patients. Hammond G.
J Bone Joint Surg [Am] 53:173-80, Jan 71
Interthoracoscapular amputation in the treatment of malignant tumours of the upper extremity. Wagner E, et al. Minn Med 53:1144, Oct 70
[Complete acromioclavicular luxation. 8 surgically treated cases] Dupont M, et al.
Acta Orthop Belg 37:141-55, Mar-Apr 71 (Fre)
[Interscapulo-thoracic exarticulation: technic, indications and surgical results] Menye PA, et al.
Bull Soc Med Afr Noire Lang Fr 15:530-9, 1970 (Fre)
[Muscular plumbage of the residual cavity after resection of the scapular squama] Leggeri A, et al.
Arch Chir Torac Cardiovasc 27:161-79, Apr-Jun 70 (Ita)
[Reconstruction of the thoracic wall using scapular muscles] Leggeri A, et al.
Policlinico [Chir] 76:333-44, Nov-Dec 69 (Ita)

SCARLET FEVER (C1)

The pyrogenic effect of scarlet fever toxin. IV. Pyrogenicity of strain C 203 U filtrate: comparison with some basic characteristics of the known types of scarlet fever toxin. Schuh V, et al.
Yale J Biol Med 43:31-42, Aug 70
[The present behavior of scarlet fever] Radl H.
Wien Med Wochenschr 120:745-50, 17 Oct 70 (Ger)
[Some characteristics of the epidemiology of scarlet fever] Nesynova RV.
Sov Med 33:30-1, Dec 70 (Rus)

COMPLICATIONS

Acute cholecystitis as a sequel of scarlet fever. Dickinson SJ, et al. Am J Dis Child 121:331-3, Apr 71
[Primary myocardial disease and infectious myocarditis] Debrunner F, et al.
Z Kreislaufforsch 58:1246-9, Dec 69 (Ger)

DIAGNOSIS

[Scarlatinal syndromes of staphylococcal etiology] Bertrand JL, et al. Lyon Med 225:31-9, 10 Jan 71 (Fre)
[Scarlatina syndromes of staphylococcal etiology] Bertrand JL, et al. Presse Med 78:2284, 28 Nov 70 (Fre)
[Clinico-anamnestic data and laboratory findings in scarlet fever with special reference to the C-reactive protein in the serum and to the AST] Dittmer J, et al.
Z Aerztl Fortbild (Jena) 65:310-3, 15 Mar 71 (Ger)
[Preparation of streptococcal antigens for the complement fixation test. Diagnostic use in subjects with streptococcal diseases] Milli G, et al.
G Ig Med Prev 10:541-51, Dec 69 (Ita)
[Study of post-streptococcal hypersensitivity by means of the streptolysin O skin test in the framework of complex epidemiologic investigations] Mihalcu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:493-504, Nov-Dec 70 (Rum)

DRUG THERAPY

[Evolution of the antistreptolysin O titer in scarlet fever during prolonged penicillin therapy as compared with the clinical evolution] Buştilă VT, et al.
Arch Roum Pathol Exp Microbiol 28:347-59, Jun-Sep 69 (Fre)
[Antistreptolysin "O" dynamics in streptococcal infections treated with penicillin] Bărbulescu E.
Rev Med Chir Soc Med Nat Iasi 75:133-7, Jan-Mar 71 (Rum)
[Scarlet fever treated with penicillin V] Vătă A, et al.
Rev Med Chir Soc Med Nat Iasi 75:25-33, Jan-Mar 71 (Rum)

ETIOLOGY

Streptococci erythemas and their relationship to scarlet fever. Gabritschewsky G.
Am J Dis Child 121:191-4, Mar 71
Scarlet fever. Cleland JB. Br Med J 2:224-5, 24 Apr 71

HISTORY

Gabritschewsky--the forgotten man of scarlet fever. (Gabritschewsky GI), Nelson JD.
Am J Dis Child 121:189-91, Mar 71

IMMUNOLOGY

[Dynamics of the antibody response to streptococcal antigens in spontaneous group A beta-hemolytic streptococcus infections (scarlet fever)] Medina F.
Progr Immunobiol Stand 4:597-600, 1970 (Ita)
[Study of scarlatina toxin and streptococcal proteinase preparations by intradermal administration to rabbits] Akimova VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:30-4, Nov 70 (Rus)

MICROBIOLOGY

Type distribution of Streptococcus pyogenes in the years 1964-65 and 1968-69. Szita J, et al.
Acta Microbiol Acad Sci Hung 17:347-56, 1970

OCCURRENCE

[The incidence of recurrent scarlet fever] Gebauer H, et al. Dtsch Gesundheitsw 25:308-11, 20 Feb 70 (Ger)
[Scarlet fever in childhood--1969] Ocklitz HW, et al.
Zentralbl Bakteriol [Orig] 214:428-39, 1970 (Ger)
[Pathomorphology of scarlet fever. Clinico-statistical considerations on the records of the Pediatric Clinic of Florence from 1929 to 1967] Ulivelli A, et al.
Riv Clin Pediatr 81:424-36, Jul-Aug 68 (Ita)
[Hemolytic streptococcus carrier state in scarlet fever foci and outside the foci] Gladkova KK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:109-13, 1971 (Rus)
[Seasonal and age distribution of some droplet infections in Ethiopia] Lebedinskaia NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:26-30, May 71 (Rus)
[Analysis of periodic variations in the incidence of certain droplet infections] Tkacheva MN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:130-4, Apr 71 (Rus)

PHYSIOPATHOLOGY

[Circulation in scarlet fever. Sequential studies in sick and convalescent children] Trupat A.
Kinderaerztl Prax 37:527-36, Dec 69 (Ger)

PREVENTION & CONTROL

[Epidemiological effectiveness of small doses of gamma globulin in scarlet fever foci] Severov AM, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:61-6, Feb 71 (Rus)
[Prolonged prophylactic action of gamma globulin and albumin in some droplet infections] Shatrov II, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:74-6, Jul 70 (Rus)

SCARPA'S GANGLION see under VESTIBULAR NERVE (A8)

SCARS see CICATRIX (A10, C12)

SCHAUMANN'S DISEASE see SARCOIDOSIS (C17)

SCHEUERMANN'S DISEASE (C3)

[Scheuermann's disease] Kingma MJ.
Ned Tijdschr Geneeskd 114:1517-22, 12 Sep 70 (Dut)
[Osteochondrotic round neck] Pelliccioni S, et al.
Arch Putti Chir Organi Mov 24:212-32, 1969 (Ita)
[Directions in research in scoliosis and spinal osteochondrosis] Kaz'min AI.
Ortop Travmatol Protez 32:54-8, Mar 71 (Rus)

COMPLICATIONS

[Acquired vertebral block caused by Scheuermann's disease] Gougeon J, et al.
Rev Rhum Mal Osteoartic 38:179-92, Mar 71 (Fre)
[Kyphoscoliosis and kyphosis complicated by paresis or paralysis] Tylman D.
Chir Narzadow Ruchu Ortop Pol 36:353-61, 1971 (Pol)

DIAGNOSIS

[Scheuermann's disease] Hussenstein J, et al.
Presse Med 78:2463-6, 26 Dec 70 (Fre)

ETIOLOGY

[Scheuermann's disease and premature degeneration of the vertebral column] Bündgen U, et al.
Beitr Orthop Traumatol 17:662, Oct 70 (Ger)

RADIOGRAPHY

[Importance of Scheuermann's disease for the premature development of degenerative changes in the cervical vertebrae] Hochheim W, et al.
Beitr Orthop Traumatol 17:634-7, Oct 70 (Ger)
[Kymography in children and adolescents in scoliotic posture and scoliosis] Chernousova LN, et al.
Pediatriia 49:71-2, Sep 70 (Rus)

THERAPY

[Treatment of Scheuermann's disease] Illouz G.
Therapeutique 47:59-61, Jan 71 (Fre)
[Treatment of Scheuermann's disease in the adolescent as a prevention of backaches in the adult] Scheler H.
Ther Umsch 28:29-31, Jan 71 (Ger)

SCHILDER'S DISEASE see ENCEPHALITIS PERIAXIALIS (C10)

SCHILLING TEST (E1)

A dual isotope modification of the Schilling test. Bayly RJ, et al. Br J Radiol 43:829, Nov 70
An assessment of serum 57Co cyanocobalamin as an index of vitamin B12 absorption. Donaldson D, et al.
J Clin Pathol 23:558-62, Oct 70
Comparison of Schilling test and plasma level of cyanocobalamin Co 57. Coiner D, et al.
JAMA 215:1642-5, 8 Mar 71
[Schilling test and measurement of the level of gastric intrinsic factor in Biermer's anemias. Comparative study] Nicolas JP, et al.
Presse Med 78:2323-4, 5 Dec 70 (Fre)
[The effect of tetracyclines on the Schilling test and the secretion of volatile phenoles] Vilkko K, et al.
Dtsch Z Verdau Stoffwechselkr 30:325-7, 1970 (Ger)

STANDARDS

"Self-volume" standards for Schilling tests and other in vitro bulk liquid counting. Spencer RP.
Int J Appl Radiat Isot 22:54, Jan 71

SCHISTOSOMA (B1)

Evaluation of two methods for the detection of Schistosoma mansoni cercariae shed by Biomphalaria glabrata. Butler JM Jr, et al.
Am J Trop Med Hyg 20:157-9, Jan 71
Susceptibility of Oncomelania hybrid snails to various geographic strains of Schistosoma japonicum. Chi LW, et al. Am J Trop Med Hyg 20:89-94, Jan 71
Radio-labelling of schistosome cercariae. Jewsbury JM, et al. Ann Trop Med Parasitol 65:273-4, Jun 71
Transmission of Schistosoma mansoni in a large body of water. Prentice MA, et al.
Ann Trop Med Parasitol 64:339-48, Sep 70
Notes on the morphology, susceptibility to Schistosoma haematobium and genetic relationships of Bulinus (Physopsis) globosus globosus and B.(P.) nasutus nasutus from north-eastern Tanzania. Pringle G, et al.
Ann Trop Med Parasitol 65:211-9, Jun 71
Laboratory studies of the host-parasite relationship of Schistosoma mansoni and Biomphalaria glabrata from St Lucia, West Indies. Sturrock BM, et al.
Ann Trop Med Parasitol 64:357-63, Sep 70
Susceptibility of the small Biomphalaria alexandrina alexandrina from the UAR and the Sudan to infection with a strain of Schistosoma mansoni from Tanzania. Cridland CC. Bull WHO 43:809-15, 1970
Host location by miracidia of Schistosoma haematobium. Shiff CJ.
Cent Afr J Med Suppl:37-40, Jul 70
Urinary blood loss in S. haematobium infection in Egyptian farmers. Cent Afr J Med 16:185, Aug 70
Studies on the population dynamics of B. (P.) nasutus and natural S. haematobium infection rates in relation to rainfall at Misungwi and Usagara, Mwanza. Baalawy SS, et al. East Afr Med J 47:472-8, Sep 70
Hybridisation experiments on five species of African schistosomes. Taylor MG.
J Helminthol 44:253-314, 1970
Protection of snails against miracidia of Schistosoma mansoni by various aquatic invertebrates. Chernin E, et al. J Parasitol 57:217-9, Apr 71
Interference with the capacity of Schistosoma mansoni miracidia to infect the molluscan host. Chernin E.
J Parasitol 54:509-16, Jun 68
Bacterial invasion of schistosomes. Ottens H.
Ned Tijdschr Geneeskd 115:175-7, 23 Jan 71
Microspines on Schistosoma japonicum and S. haematobium egg shells. Schnitzer B, et al.
Parasitology 62:385-7, Jun 71
Extracorporeal filtration of schistosomes in unanesthetized man. Kessler RE, et al.
Surg Forum 21:378-80, 1970
Observations on the susceptibility to Schistosoma mansoni from St. Lucia of several Caribbean strains of snails of the genus Biomphalaria. Sturrock RF, et al.
West Indian Med J 19:9-13, Mar 70
[Intestinal bilharziasis due to Schistoma intercalatum in Chad (apropos of 2 cases)] Becquet R, et al.
Bull Soc Pathol Exot 63:343-50, May-Jun 70 (Fre)
[Human S. intercalum bilharziasis: study from Cameroon foci. I] Sigam M.
J Sci Med Lille 89:163-9, Apr 71 (Fre)
[Emergency circadian rhythm of cercariae (Schistosoma mansoni-Biomphalaria glabrata)] Pellegrino J, et al. Rev Bras Biol 31:53-63, May 71 (Por)

ANALYSIS

Studies on the protein composition of extracts of Schistosoma mansoni cercariae. Sodeman WA Jr.
J Parasitol 54:775-9, Aug 68

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Deoxyribonucleic acid (DNA) and antibodies to DNA in the serum of hamsters and man infected with schistosomes. Hillyer GV.
Proc Soc Exp Biol Med 136:880-3, Mar 71

ANATOMY & HISTOLOGY

Electron microscopy of schistosome cercarial muscle. Lumsden RD, et al. J Parasitol 54:780-94, Aug 68
[Development, histology and histochemistry of the glandular system of the cercaria of Schistosoma mansoni Sambon (1907)] Ebrahimzadeh A.
Z Parasitenkd 34:319-42, 1970 (Ger)

CLASSIFICATION

The taxonomy of schistosomes. Fripp PJ.
Cent Afr J Med Suppl:12-4, Jul 70
The egg from a human case ochistosomiasis in aos. Taylor RG, et al. J Parasitol 57:78-80, Feb 71
[Biologic relations among various geographic strains of the Schistosoma haematobium complex] Azevedo JF de. Bull Soc Pathol Exot 62:348-75, 1969 (Fre)
[Epidemiologic data on the Schistosoma heamatobium complex in South Saharan Africa] Larivière M, et al.
Bull Soc Pathol Exot 62:376-84, 1969 (Fre)

CYTOLOGY

Ultrastructure of the esophageal region in Schistosoma mansoni. Dike SC. Am J Trop Med Hyg 20:552-68, Jul 71
Cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. 8. Acid phosphatase activity in Schistosoma mansoni and Schistosomatium douthitti. Gogitsh BJ, et al.
Exp Parasitol 29:337-47, Apr 71
Scanning electron microscopy of Schistosoma mansoni cercariae. Hockley DJ. J Parasitol 54:1241-3, Dec 68
Studies on the surfaces of cercariae and schistosomula of Schistosoma mansoni. Kusel JR.
Parasitology 61:127-34, Aug 70
The fine structure of the tegument and associated structures of the cercaria of Schistosoma mansoni. Morris GP. Z Parasitenkd 36:15-31, 1971
The ultrastructure, based on stereoscan observations, of the oral sucker of the cercaria of Schistosoma mansoni with special reference to penetration. Robson RT, et al. Z Parasitenkd 35:76-86, 1970
[Ultrastructural studies on the anatomy of the cercariae of Schistosoma mansoni. 3. The glandular system] Ebrahimzadeh A, et al.
Z Parasitenkd 36:291-303, 24 Jun 71 (Ger)
[Ultrastructural studies on the anatomy of the cercariae of Schistosoma mansoni. II. The excretory mansoni] Ebrahimzadeh A, et al.
Z Parasitenkd 36:265-90, 24 Jun 71 (Ger)

DRUG EFFECTS

The action of UK 3883, a novel 2-aminomethyltetrahydroquinoline derivative, against mature schistosomes in rodents and primates. Foster R, et al.
Ann Trop Med Parasitol 65:59-70, Mar 71
Comparative studies of the action of mirasan, lucanthone, hycanthone and niridazole against Schistosoma mansoni in mice. Foster R, et al.
Ann Trop Med Parasitol 65:45-58, Mar 71
Relative resistance of the eggs of human schistosomes to digestion in potassium hydroxide. Cheever AW.
Bull WHO 43:601-3, 1970
Schistosome hemoglobin protease; search for inhibitors. Zussman RA, et al.
J Parasitol 57:233-4, Apr 71
Further evaluation of an intra vitam staining method for the detection of early in vivo antischistosomal effects. Bourgeois JG, et al.
J Pharmacol Exp Ther 176:455-63, Feb 71
New methods for testing schistosomicidal drugs. Muftic M. J Trop Med Hyg 73:232-4, Sep 70
Antischistosomal action of tubercidin administered after absorption into red cells. Jaffe JJ, et al.
Nature (Lond) 230:408-9, 9 Apr 71
Experimental studies on the chemosterilization of Schistosoma mansoni. Davies P, et al.
Parasitology 61:167-76, Oct 70
The effects of various treatments on the surfaces of the cercariae and schistosomula of Schistosoma mansoni. Kusel JR. Parasitology 62:199-207, Apr 71
A comparison of the susceptibility to niridazole of two geographical strains of Schistosoma mansoni in mice with a note on the susceptibility of S. mattheei. Taylor MG, et al. Trans R Soc Trop Med Hyg 65:169-74, 1971

ENZYMOLOGY

Variations in malate dehydrogenase isoenzymes of Schistosoma mansoni. Coles GC.
Comp Biochem Physiol 38:35-42, 15 Jan 71
Schistosome proteolytic enzyme. Grant CT, et al.
Comp Biochem Physiol 38:663-78, 15 Apr 71
Glucose-6-phosphate dehydrogenase of Schistosoma mansoni. Coles GC.
Trans R Soc Trop Med Hyg 64:647-8, 1970

GROWTH & DEVELOPMENT

Snail problems in African schistosomiasis. Berrie AD.
Adv Parasitol 8:43-98, 1970 (252 ref.)
Schistosoma haematobium: infections in five species of Primates. Erickson DG, et al.
Exp Parasitol 29:126-37, Feb 71
Schistosoma haematobium: experimental infection in capuchin monkey, Cebus apella. Kuntz RE, et al.
Exp Parasitol 29:33-41, Feb 71
Further observations on the sexual maturation of female schistosomes in single-sex infections. Taylor MG. J Helminthol 45:89-92, 1971
Comparison of Schistosoma haematobium, S. mansoni, and S. japonicum infections in the owl monkey, Aotus trivirgatus. Erickson DG, et al.
J Parasitol 57:543-58, Jun 71
Evolution and characteristics of Schistosoma mansoni eggs laid in vitro. Michaels RM, et al.
J Parasitol 54:921-30, Oct 68
Location of Bulinus (Physopsis) globosus by miracidia of Schistosoma haematobium. Shiff CJ.
J Parasitol 54:1133-40, Dec 68
Fate of transplanted adult Schistosoma mansoni in the mouse peritoneal cavity. Zussman RA, et al.
J Parasitol 57:681-2, Jun 71
The maintenance of Schistosoma mansoni and Plasmodium knowlesi in vitro in a continuous flow heart-lung apparatus. Cowper SG, et al.
Trans R Soc Trop Med Hyg 65:19-20, 1971
Schistosomiasis at Lake Kariba, Zambia. II. Transmission of Schistosoma haematobium and S. mansoni at Siavonga. Hira PR.
Trop Geogr Med 22:335-44, Sep 70
[Studies on the migrating daughter sporocysts of Schistosoma mansoni. II. The migration to the hepatopancreas] Becker W.
Z Parasitenkd 34:226-41, 1970 (Ger)

IMMUNOLOGY

Immunity to Ascaris suum. 4. The effect of different stimulations upon challenge with Ascaris suum in mice. Bindseil E.
Acta Pathol Microbiol Scand [B] 78:191-5, 1970
The immunology of schistosomiasis. Smithers SR, et al.
Adv Parasitol 7:41-93, 1969 (254 ref.)
Comparison of formation of granulomata around eggs of Schistosoma mansoni in the mouse, guinea pig, rat, and hamster. Akpom CA, et al.
Am J Trop Med Hyg 19:996-1000, Nov 70
Rate of destruction of Schistosoma mansoni eggs in the tissues of mice. Cheever AW, et al.
Am J Trop Med Hyg 20:62-8, Jan 71
Rate of destruction of Schistosoma mansoni eggs and adult worms in the tissues of rhesus monkeys. Cheever AW, et al. Am J Trop Med Hyg 20:69-76, Jan 71
Schistosoma mansoni and S. haematobium: homocytotropic reagin-like antibodies in infections of man and experimental animals. Sadun EH, et al.
Exp Parasitol 28:435-49, Dec 70
Specific granulomatous hypersensitivity elicited by bentonite particles coated with soluble antigens from schistosome eggs and turcle bacilli. Boros DL, et al.
Nature (Lond) 229:200-1, 15 Jan 71
New model for schistosome granuloma formation using a sluble egg antigen and bentonite particles. Von Lichtenberg F, et al.
Nature (Lond) 229:199-200, 15 Jan 71
"Host" antigens associated with schistosomes: observations on their attachment and their nature. Clegg JA, et al. Parasitology 61:87-94, Aug 70
Damage to adult Schistosoma mansoni after transfer to a hyperimmune host. Hockley DJ, et al.
Parasitology 61:95-100, Aug 70
[Immunofluorescence reaction on a Schistosoma mansoni homogenate. Additional results] Le Viguelloux J, et al.
Med Trop (Mars) 29:680-4, Nov-Dec 69 (Fre)

ISOLATION & PURIFICATION

Counting of Schistosoma mansoni eggs in feces. Comparison of a filtration technique and a dilution technique. Cheever AW, et al.
J Parasitol 54:632-3, Jun 68
Bacteriological and urinary findings in adolescent Egyptian males with and without urinary schistosomiasis. Carter JP, et al.
J Trop Med Hyg 73:211-7, Sep 70
Schistosoma mansoni of Puerto Rican origin with involvement of the urinary tract (bladder). Most H.
Trans R Soc Trop Med Hyg 65:411, 1971
Bilharzia ova in cervical smears a possible additional route for the passage of ova into water. Shennan DW, et al. Trans R Soc Trop Med Hyg 65:95-9, 1971
Comparison of two methods for the detection of Schistosoma mansoni eggs in stools. Goedbloed E, et al. Trop Geogr Med 22:472-5, Dec 70
[The warthog (Phacochoerus aethiopicus), host of Schistosoma sp] Gretillat S.
Bull Soc Pathol Exot 62:1090-5, Nov-Dec 69 (Fre)
[General and applied hydro-biology, particularly as a vehicle of schistosoma. Hypereutrophy, modern deterioration of water] Oliveira LP de, et al.
Mem Inst Oswaldo Cruz 68:89-118, 1970 (Por)

METABOLISM

The oxidative metabolism of Schistosoma mansoni and the effects of antischistosomal drugs and cytochrome oxidase inhibitors. Magzoub M, et al.
Ann Trop Med Parasitol 65:31-44, Mar 71
Lipid metabolism in the parasitic and free-living flatworms, Schistosoma mansoni and Dugesia dorotocephala. Meyer F, et al.
Biochim Biophys Acta 210:257-66, 14 Jul 70
Studies in proline metabolism by Schistosoma mansoni. I. Radioautography following in vitro exposure to radioproline C14. Senft AW.
Comp Biochem Physiol 27:251-61, Oct 68
Schistosoma mansoni: endogenous and exogenous glucose and respiration of cercariae. Bruce JI, et al.
Exp Parasitol 29:86-93, Feb 71
Physiology and biochemistry of schistosomes. Bueding E. J Parasitol 56:558-9, Aug 70 (22 ref.)
Miracidial uptake of glucose in intact eggs of Schistosoma mansoni. Lewert RM, et al.
J Parasitol 56:1250-1, Dec 70
In vitro studies on cholesterol metabolism in the blood fluke Schistosoma mansoni. Smith TM, et al.
Lipids 5:854-6, Oct 70
[Studies on osmolar and ionic regulation in cercaria of Schistosoma mansoni] Becker W.
Z Parasitenkd 35:282-97, 1971 (Ger)

PATHOGENICITY

Preliminary communication on gross pathological lesions in the genito-urinary systems of vervet monkeys (Cercopithecus aethiops) experimentally infected with Schistosoma haematobium. Obuyu CK.
Ann Trop Med Parasitol 64:395-8, Sep 70
Experimental cerebral schistosomiasis japonica in primates. Jane JA, et al.
J Neurol Neurosurg Psychiatry 33:426-30, Aug 70

PHYSIOLOGY

Migration of Schistosoma mansoni through mouse tissue. Ultrastructure of host tissue and integument of migrating larva following cercarial penetration. Bruce JI, et al. Am J Trop Med Hyg 19:959-81, Nov 70
Physiology and biochemistry of schistosomes. Bueding E. J Parasitol 56:558-9, Aug 70 (22 ref.)

RADIATION EFFECTS

Immunoprecipitins in Schistosoma mansoni infections. 3. Cercopithecus sabaeus and Macaca mulatta monkeys exposed to irradiated cercariae and subsequently challenged. Hillyer GV, et al.
Exp Parasitol 29:53-8, Feb 71
The fate of challenge schistosome cercariae in a monkey immunized by cercariae exposed to high doses of x-irradiation. Hsü SY, et al.
Proc Soc Exp Biol Med 136:727-31, Mar 71
Immunization against Schistosoma japonicum in chimpanzees by administration of x-irradiated cercariae. Hsü SY.
Trans R Soc Trop Med Hyg 64:597-600, 1970

SCHISTOSOMIASIS (C1)

A case of schistosomiasis (bilharziasis) hematobium of the cervix. Sharma SD, et al.
Acta Cytol (Baltimore) 14:305-6, May 70
The molluscan fauna of the Awash river, Ethiopia, in relation to the transmission of schistosomiasis. Brown DS, et al. Ann Trop Med Parasitol 64:533-8, Dec 70
Some observations on liver involvement in Schistosomiasis mansoni. Kubaśta M.
Bull Inst Mar Med Gdansk 21:205-9, 1970
Schistosomiasis. Bergman H, et al.
NY State J Med 71:453-4, 15 Feb 71
Observations on the infection of bulinid snails with Schistosoma mattheei. II. The mechanism of resistance to infection. Kinoti GK.
Parasitology 62:161-70, Feb 71
Schistosomiasis. Rowland HA, et al.
Practitioner 207:186-90, Aug 71
Summary of recent abstracts. IX. Helminthiasis. Trematode infections. Hawking F.
Trop Dis Bull 67:1205-16, Oct 70
Schistosoma mansoni infestation of the lower bowel in Nigerians. Francis TI, et al.
Trop Geogr Med 23:84-8, Mar 71
Schistosomiasis as a zoonosis in Nigeria. Hira PR.
West Afr Med J 19:57-8, Apr 70
[Ureteral schistosomiasis] Coolsaet BL, et al.
Ned Tijdschr Geneeskd 115:1038-41, 12 Jun 71 (Dut)
[Biologic relations among various geographic strains of the Schistosoma haematobium complex] Azevedo JF de. Bull Soc Pathol Exot 62:348-75, 1969 (Fre)
[Intestinal bilharziasis due to Schistoma intercalatum in Chad (apropos of 2 cases)] Becquet R, et al.
Bull Soc Pathol Exot 63:343-50, May-Jun 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[An African immigrant] Dubuisson M.
Cah Coll Med Hop Paris 10:303-5, 15 Apr 69 (Fre)
[Bilharziasis of the internal female genital organs] Renaud R, et al.
Rev Fr Gynecol Obstet 66:1-18, Jan 71 (Fre)
[Urinary tract bilharziasis] Jursz W.
Pol Tyg Lek 26:1010-3, 28 Jun 71 (17 ref.) (Pol)
[Toxemic form of schistosomiasis mansoni in the State of Guanabara] Neves PF, et al.
Hospital (Rio de J) 78:979-88, Oct 70 (Por)

BLOOD

Rheumatoid factor in cases of rheumatic fever and parasitic infestation in children. Abdin ZH, et al.
Ann Rheum Dis 29:660-2, Nov 70
The complement fixation test in bilharziasis. Fine J.
East Afr Med J 47:667-72, Dec 70
Some aspects of the endocrine changes in bilharzial liver fibrosis. Zaki K, et al.
Trans R Soc Trop Med Hyg 65:202-5, 1971

CLASSIFICATION

[Which schistosoma infestations are zoonoses?] Deschiens R.
Bull Soc Pathol Exot 62:384-401, 1969 (Fre)

COMPLICATIONS

Follicular lymphoma of the spleen in patients with hepatosplenic Schistosomiasis mansoni. Andrade ZA, et al. Am J Trop Med Hyg 20:237-43, Mar 71
Prolonged Salmonella bacteremia in patients with Schistosoma mansoni infection. Rocha H, et al.
Arch Intern Med 128:254-7, Aug 71
The problem of carcinoma of bilharzial bladder in Iraq. Talib H. Br J Urol 42:571-9, Oct 70
Urinary blood loss in S. haematobium infection in Egyptian farmers. Cent Afr J Med 16:185, Aug 70
Bilharzial pericolic masses and their management. Moneim RI. Int Surg 54:435-41, Dec 70
Evaluation of the portal pressure and plasma protein alteration in the ascitic stage of bilharzial hepatic fibrosis. Nooman ZM. J Egypt Med Assoc 53:231-4, 1970
Urinary lactic dehydrogenase activity as a diagnostic test for detection of bilharzial bladder cancer. Wassef SA, et al. J Egypt Med Assoc 52:274-83, Apr 69
Relation of schistosomiasis to typhoid fever. Hathout S el-D. J Egypt Public Health Assoc 45:145-56, 1970
A study of cirrhosis of the liver due to chronic kala-azar. Goswami BM.
J Indian Med Assoc 54:315-20, 1 Apr 70
Cerebral schistosomiasis. Megahed MS, et al.
J Med (Basel) 1:201-12, 1970
The effects of schistosomiasis on the cervix uteri in the African female. Bland KG, et al.
J Obstet Gynaecol Br Commonw 77:1127-31, Dec 70
The effects of schistosomiasis on the fallopian tubes in the African female. Bland KG, et al.
J Obstet Gynaecol Br Commonw 77:1024-7, Nov 70
Two cases of cor pulmonale caused by adult schistosome parasites in the lungs. Buchanan WM, et al. J Trop Med Hyg 73:218-22, Sep 70
Bacteriological and urinary findings in adolescent Egyptian males with and without urinary schistosomiasis. Carter JP, et al.
J Trop Med Hyg 73:211-7, Sep 70
Aetiological factors in bilharzial bladder cancer. Makhyoun NA, et al. J Trop Med Hyg 74:73-8, Mar 71
Prolonged septicaemic salmonellosis intercurrent with Schistosomiasis mansoni (intestinal polyposis, hepatic and cardiopulmonary forms) Chagas' disease, cerebral cysticercosis, taeniasis, shigellosis, ancylostomiasis, ascariasis and chronic malnutrition. Clinopathologic discussion. Neves J, et al.
J Trop Med Hyg 74:9-18, Jan 71
Salmonellosis and schistosomiasis of urinary tract. Lehman JS Jr, et al. N Engl J Med 283:1291, 3 Dec 70
Colonic calcification and polyposis in schistosomiasis. Report of a case. Lehman JS Jr, et al.
Radiology 98:379-80, Feb 71
Advanced kidney disease in patients with hepatosplenic Manson's schistosomiasis. De Brito T, et al.
Rev Inst Med Trop Sao Paulo 12:225-35, Jul-Aug 70
Mullerian duct dysgenesis and bilharziasis: report of a case. Coetzee LF, et al. S Afr Med J 45:447-51, 17 Apr 71
Schistosomiasis and diabetes mellitus. Bibawi E.
Trans R Soc Trop Med Hyg 64:907-8, 1970
The influence of urinary bilharziasis on vesico-vaginal fistula in relation to causation and healing. Bland KG, et al. Trans R Soc Trop Med Hyg 64:588-92, 1970
Calcification of the bladder in urinary schistosomiasis. Buchanan WM, et al.
Trans R Soc Trop Med Hyg 64:593-6, 1970
[The bilharzian heart at Abidjan] Bertrand E, et al.
Arch Mal Coeur 64:727-41, May 71 (Fre)
[Cardiac manifestations of bilharziasis. Surveys of systematic detection in rural population] Bertrand E, et al. Med Trop (Mars) 30:767-73, Nov-Dec 70 (Fre)
[57 long-standing bilharzia lesions of the ureter. Therapeutic choice] Carayon A, et al.
Med Trop (Mars) 30:866-71, Sep-Oct 70 (Fre)
[10 new cases of vesical cancers in patients with bilharziasis] Nosny P, et al.
Med Trop (Mars) 29:181-3, Mar-Apr 69 (Fre)
[Urinary lithiasis and bilharziasis. Apropos of 11 cases] Perquis P, et al.
Med Trop (Mars) 29:725-30, Nov-Dec 69 (Fre)
[Cardiopathies in bilharziasis. Incidences in Abidjan] Bertrand E, et al. Presse Med 78:2426-8, 19 Dec 70 (Fre)
[Primary cancer of the liver associated with chronic schistomiasis japonica] Iuchi M, et al.
Naika 27:761-6, Apr 71 (Jap)
[Clinical observation on 25 cases of chronic schistosomiasis japonica with abnormal behavior type of hepatocerebral syndrome] Iuchi M, et al.
Naika 26:727-33, Oct 70 (Jap)
[Granulomatous schistosomotic myocarditis] Huggins D.
An Esc Naci Saude Publica Med Trop (Lisb) 3:89-92, Jan-Dec 69 (Por)

DIAGNOSIS

Serology in the study of the relationship between S. haematobium infestation and cancer of the urinary bladder. Halawani A, et al. Br J Urol 42:580-5, Oct 70
Unusual manifestations occurring in the early stages of bilharziasis in children. Zilberg B.
Cent Afr J Med 16:251-3, Nov 70
Liver scintillation scanning in the diagnosis of chronic schistosomiasis japonica. Okuda K, et al.
Digestion 3:269-78, 1970
Evaluation of Kato's quantitative method through the recovery of Schistosoma mansoni eggs added to human feces. Katz N, et al. J Parasitol 56:1032-3, Oct 70
A comparison between the hemagglutination test with formalin treated erythrocytes and the immunofluorescence test with worm particles, for schistosomiasis. Hoshino S, et al.
Rev Inst Med Trop Sao Paulo 12:138-43, Mar-Apr 70
Imported schistosomiasis. Bianchi L, et al.
Trans R Soc Trop Med Hyg 64:650-1, 1970
The schistosomal circumoval precipitin test in cases of chronic prostatitis. Khafagy H, et al.
Trans R Soc Trop Med Hyg 64:909-11, 1970
Comparison of two methods for the detection of Schistosoma mansoni eggs in stools. Goedbloed E, et al. Trop Geogr Med 22:472-5, Dec 70
[Case of hepatic distomatosis due to Fasciola gigantica. Diagnosis in the early stage of bilharziosis due to Schistosoma mansoni] Limbos P.
Acta Gastroenterol Belg 31:581-90, Aug-Sep 68 (Fre)
[Pulmonary bilharziasis] Brocard H.
Bull Acad Natl Med (Paris) 155:286-92, 1971 (Fre)
[Simultaneous serodiagnosis of bilharziasis and filariasis by indirect immunofluorescence on juxtaposed slices of Schistosoma mansoni and Dipetalonema viteae] Kien Truong T, et al.
Bull Soc Pathol Exot 63:351-6, May-Jun 70 (Fre)
[Experimental study of the early diagnosis of schistosomiasis due to Schistosoma mansoni by means of immunofluorescence] Mossan O, et al.
Bull Soc Pathol Exot 63:691-6, Nov-Dec 70 (Fre)
[Immunofluorescence applied to the serologic diagnosis of bilharziasis (apropos of a simple technic of preparation of slices for freezing)] Niel G, et al.
Bull Soc Pathol Exot 63:356-62, May-Jun 70 (Fre)
[Diagnosis of bilharziasis by immunofluorescence on frozen sections of Schistosoma mansoni and Schistosoma haematobium (analysis of the titers obtained as a function of the Schistosoma species and of parasitological criteria)] Pothier MA, et al.
Bull Soc Pathol Exot 62:711-6, 1969 (Fre)
[Apropos of the mass detection of urinary bilharziasis] Ricour A, et al.
Bull Soc Pathol Exot 64:80-4, Jan-Feb 71 (Fre)
[Urogenital bilharziasis in children] Rosenberg D, et al.
Lyon Med 225:1143-5, 13 Jun 71 (Fre)
[Use of indirect immunofluorescence reactions in epidemiological studies. B. Immunofluorescence of bilharziasis on dried blood] Le Viguelloux J, et al.
Med Trop (Mars) 29:685-8, Nov-Dec 69 (Fre)
[Immunofluorescence reactions on pulverized Schistosoma mansoni: initial results] Le Viguelloux J, et al. Med Trop (Mars) 29:84-6, Jan-Feb 69 (Fre)
[Rectoscopy in bilharziasis] Le Bras M, et al.
Presse Med 79:869, 17 Apr 71 (Fre)
[Genital bilharziasis] Scheller R.
Zentralbl Gynaekol 93:530-40, 17 Apr 71 (Ger)
[Ammonia tolerance test in chronic schistosomiasis japonica] Iuchi M, et al. Naika 27:147-9, Jan 71 (Jap)
[Radioisotope scanning of the liver and spleen in cases of schistosomiasis japonica] Nagatani M, et al.
Naika 26:541-6, Sep 70 (Jap)
[Immunodiagnosis in schistosomiasis] Reis AP dos.
Rev Assoc Med Bras 17:87-92, Mar 71 (63 ref.) (Por)

DRUG THERAPY

Clinical trial of hycanthone in Schistosomiasis mansoni in St. Lucia. Cook JA, et al.
Am J Trop Med Hyg 20:84-8, Jan 71
The metabolism of niridazole (AMBILHARR) in man. II. Investigations on patients suffering from clinically advanced forms of Schistosoma mansoni infection. Faigle JW, et al.
Ann Trop Med Parasitol 64:383-93, Sep 70
The metabolism of niridazole (AMBILHARR) in man. I. Investigations on patients suffering from clinically mild forms of Schistosoma haematobium and Schistosoma mansoni infection. Faigle JW, et al.
Ann Trop Med Parasitol 64:373-82, Sep 70
The control of immature Schistosoma mansoni in mice by UK 3883, a novel 2-aminomethyltetrahydroquinoline derivative. Foster R, et al.
Ann Trop Med Parasitol 65:221-32, Jun 71
Clinical experiences with antimonyl-dimethylcysteino-tartrate (NAP) in a rural population infected with Schistosoma mansoni. Pedrique MR, et al.
Ann Trop Med Parasitol 64:255-61, Jun 70
The effect of penicillamine in the treatment of experimental schistosomiasis with tartar emetic. Tarrant ME, et al.
Ann Trop Med Parasitol 65:233-44, Jun 71
Clinical trials of Hycanthone in the treatment of bilharziasis. Barry M. Cent Afr J Med Suppl:33-5, Jul 70
Hycanthone and lucanthone in the treatment of Bilharziasis. A clinical trial. Greenfield DH, et al.
Cent Afr J Med 16:265-9, Dec 70
Penicillamine as an adjuvant to antimonial therapy, effect on electrocardiographic changes in dogs. Girgis NI, et al. East Afr Med J 47:576-81, Nov 70
A comparison of hycanthone, niridazole and placebos in the treatment of Schistosomiasis Mansoni. Rees PH, et al. East Afr Med J 47:634-8, Dec 70
A thiamine (vitamin B1 or aneurin) antimetabolite as a potent schistosomicidal agent. Nabih I, et al.
Experientia 27:143-4, 15 Feb 71
'Dipterex' in bilharziasis. Abdel-Aal AM, et al.
J Egypt Med Assoc 53:79-83, 1970
Effect of subtherapeutic doses of antimony therapy in experimental hepatic mansoniasis. Habib A, et al.
J Egypt Med Assoc 53:351-62, 1970
Synthetic schistosomicides. Some antimonyl benzothiazole derivatives. Shoeb HA, et al.
J Egypt Med Assoc 53:108-12, 1970
Derivatives of 2-amino-5-nitrothiazole as potential schistosomicides. Werbel LM, et al.
J Med Chem 14:10-6, Jan 71
Condensed p-toluidines with aminothiazoles as schistosomicidal agents II. Nabih I, et al.
J Pharm Sci 60:1411-3, Sep 71
Further evaluation of an intra vitam staining method for the detection of early in vivo antischistosomal effects. Bourgeois JG, et al.
J Pharmacol Exp Ther 176:455-63, Feb 71
The antischistosomal activity of a nitrovinylfuran derivative (SQ 18,506) in mice and hamsters. Bueding E, et al. J Pharmacol Exp Ther 178:402-10, Aug 71
Antischistosomal activity of a nitrovinylfuran derivative (SQ 18,506) in rhesus monkeys. Erickson DG, et al. J Pharmacol Exp Ther 178:411-8, Aug 71
The treatment of schistosomiasis with niridazole in Britain. Kanani SR, et al.
J Trop Med Hyg 73:162-9, Jul 70
Evaluation of Ambilhar in treatment of Schistosoma mansoni in 80 Sudanese children. el-Shazali H, et al.
J Trop Med Hyg 73:229-31, Sep 70
Relationship between structure, conformation, and antischistosomal activity of nitroheterocyclic compounds. Robinson CH, et al.
Mol Pharmacol 6:604-16, Nov 70
Antischistosomal action of tubercidin administered after absorption into red cells. Jaffe JJ, et al.
Nature (Lond) 230:408-9, 9 Apr 71
Clinical trials of hycanthone (etrenol) in urinary tract bilharziasis. Rubidge CJ, et al.
S Afr Med J 44:1246, 31 Oct 70
Hycanthone resistance: development in Schistosoma mansoni. Rogers SH, et al. Science 172:1057-8, 4 Jun 71
Treatment of schistosomiasis mansoni with hycanthone in glucose-6-phosphate dehydrogenase deficiency in St. Lucia. Howell SB, et al.
Trans R Soc Trop Med Hyg 65:331-3, 1971
A comparison of the susceptibility to niridazole of two geographical strains of Schistosoma mansoni in mice with a note on the susceptibility of S. mattheei. Taylor MG, et al. Trans R Soc Trop Med Hyg 65:169-74, 1971
Studies on the effect of Ambilhar on iron metabolism. Salah MK, et al.
Zentralbl Veterinaermed [A] 17:257-60, Mar 70
[Niridazole in the treatment of schistosomiasis] Janssens PG, et al.
Ann Soc Belg Med Trop 47:455-89, 1967 (Dut)
[Study of clinical, metabolic and electroencephalographic reactions during Ambilhar treatment in children] Sanokho A, et al.
Bull Soc Med Afr Noire Lang Fr 14:70-87, 1969 (Fre)
[Action of antibilharziasis treatment on the specific bladder lesions of bilharziasis due to Schistosoma hematobium] Perquis P, et al.
J Urol Nephrol (Paris) 77:298-306, Mar 71 (Fre)
[Evolution of the level of fluorescent antibodies in 58 cases of intestinal and urinary bilharziasis treated by nitrothiamidazole (Ciba 32.644-Ba or Ambilhar)] Coudert J, et al. Lyon Med 219:1041-6, 24 Mar 68 (Fre)
[Mass treatment of vesical bilharziasis in Morocco with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

a new synthetic product:
1-(5-nitro-2-thiazolyl)-2-imidazolidinone] Nejjai B.
Maroc Med 537:453-7, Jul 70 (Fre)
[Mass treatment of vesical bilharziasis in Morocco with a new synthetic product
1-(5-nitro-2-thiazolyl)-2-imidazolidinone] Nejjai B.
Maroc Med 50:453-7, Jul 70 (Fre)
[Treatment of bilharziasis due to Schistosoma hematobium with Ciba 32,644: 150 cases. Indications; counter-indications; results] Laine F, et al.
Med Trop (Mars) 29:341-6, May-Jun 69 (Fre)
[Triamterene-frusemide combination in edematous patients] Cruz J, et al.
Hospital (Rio de J) 77:1881-93, Jun 70 (Por)
[Use of hycanthone in the treatment of hepato-intestinal form of schistosomiasis mansoni. Clinical laboratory and electrocardiographic study] Almeida FM de, et al.
Rev Assoc Med Bras 16:315-20, Sep 70 (Por)
[51 cases of schistosomiasis mansoni treated with 1, 2, and 3 oral doses of Hycanthone administered in the dosage of 3 mg-kg-day] Sandia OG, et al.
Rev Bras Malariol Doencas Trop 21:583-5, Jul-Sep 69 (Por)
[109 cases of schistosomiasis mansoni treated with 1, 2, and 3 doses of Hycanthone by intramuscular route and their coprological evaluation during 6 months] Sandia OG, et al.
Rev Bras Malariol Doencas Trop 21:571-82, Jul-Sep 69 (Por)
[Treatment of schistosomiasis using kerosene] Róiz J.
Rev Bras Med 27:31-4, Jan 70 (Por)
[Our experience with hycanthone (Etrenol) in schistosomiasis mansoni] Coutinho AD, et al.
Rev Inst Med Trop Sao Paulo 13:57-70, Jan-Feb 71 (Por)
[Manifestations of hycanthone intolerance in the treatment of schistosomiasis mansoni] Cunha AS da, et al.
Rev Inst Med Trop Sao Paulo 13:213-22, May-Jun 71 (Por)
[Treatment of acute cases of schistosomiasis mansoni with hycanthone] Oliveira CA de, et al.
Rev Inst Med Trop Sao Paulo 13:202-12, May-Jun 71 (Por)

ENZYMOLOGY

Alkaline phosphatase in schistosomiasis. Barreto VS.
Ann Intern Med 74:450-1, Mar 71
Serum and ascitic fluid lactic dehydrogenase in bilharzial (schistosomal) hepatic fibrosis. Ghanem MH, et al. J Trop Med Hyg 73:240-4, Oct 70

ETIOLOGY

Snail problems in African schistosomiasis. Berrie AD.
Adv Parasitol 8:43-96, 1970 (252 ref.)
Experimental ocular schistosomiasis. Abboud IA, et al.
Br J Ophthalmol 55:106-15, Feb 71
Specific granulomatous hypersensitivity elicited by bentonite particles coated with soluble antigens from schistosome eggs and turcie bacilli. Boros DL, et al.
Nature (Lond) 229:200-1, 15 Jan 71
New model for schistosome granuloma formation using a sluble egg antigen and bentonite particles. Von Lichtenberg F, et al.
Nature (Lond) 229:199-200, 15 Jan 71
Deoxyribonucleic acid (DNA) and antibodies to DNA in the serum of hamsters and man infected with schistosomes. Hillyer GV.
Proc Soc Exp Biol Med 136:880-3, Mar 71

IMMUNOLOGY

The immunology of schistosomiasis. Smithers SR, et al.
Adv Parasitol 7:41-93, 1969 (254 ref.)
Rate of destruction of Schistosoma mansoni eggs and adult worms in the tissues of rhesus monkeys. Cheever AW, et al. Am J Trop Med Hyg 20:69-76, Jan 71
Rate of destruction of Schistosoma mansoni eggs in the tissues of mice. Cheever AW, et al.
Am J Trop Med Hyg 20:62-8, Jan 71
Precipitins in serum from men with presumptive reexposure to cercariae of Schistosoma japonicum. Yogore MG Jr, et al.
Am J Trop Med Hyg 20:54-61, Jan 71
Comarative evolution of the fluorescent antibodies directed against the larval stages and the adults of Schistosoma mansoni. II. Experimental schistosomiasis in mice after treatment with niridazole. Ambroise-Thomas P, et al.
Ann Trop Med Parasitol 64:93-9, Mar 70
Comparative evolution of the fluorescent antibodies directed against the larval stages and the adults of Schistosoma mansoni. I. Experimental schistosomiasis in untreated mice. Kien Truong T, et al. Ann Trop Med Parasitol 64:87-92, Mar 70
Immunoglobulin levels in Katayama disease. A preliminary report. Ashworth TG.
Cent Afr J Med 16:127-8, Jun 70
Trichinella spiralis and Schistosoma mansoni: specificity of in vitro, leukocyte-mediated histamine release from rabbit platelets. Colwell EJ, et al.
Exp Parasitol 29:263-70, Apr 71
Immunoprecipitins in Schistosoma mansoni infections. 3. Cercopithecus sabaeus and Macaca mulatta monkeys exposed to irradiated cercariae and subsequently challenged. Hillyer GV, et al.
Exp Parasitol 29:53-8, Feb 71
Schistosoma mansoni and S. haematobium: homocytotropic reagin-like antibodies in infections of man and experimental animals. Sadun EH, et al.
Exp Parasitol 28:435-49, Dec 70
Immunoglobulins in human schistosomiasis mansoni. Antunes LJ, et al. J Parasitol 57:539-42, Jun 71
Schistosoma mansoni infection in the rat. II. Effects of immunosuppression and serum and cell transfer on innate and acquired immunity. Maddison SE, et al.
J Parasitol 56:1066-73, Dec 70
Schistosoma mansoni infection in the rat. I. Worm burden and serological response in infected, reexposed, and antigen-sensitized animals. Maddison SE, et al. J Parasitol 56:1058-65, Dec 70
A radioactive antigen microprecipitin (RAMP) assay for schistosomiasis. Williams JS, et al.
J Parasitol 57:220-32, Apr 71
Antigenic substance in urine of rabbits infected with Schistosoma japonicum. Okabe K, et al.
Kurume Med J 18:51-5, 1971
The fate of challenge schistosome cercariae in a monkey immunized by cercariae exposed to high doses of x-irradiation. Hsü SY, et al.
Proc Soc Exp Biol Med 136:727-31, Mar 71
Immunodiffusion tests in patients with Schistosoma mansoni infection. Reis AP, et al.
Rev Inst Med Trop Sao Paulo 12:245-8, Jul-Aug 70
A micro-technique for detecting fluorescent antibody in schistosomiasis. Chesdapan C, et al.
Trans R Soc Trop Med Hyg 65:20-1, 1971
[Schistosomiasis and immunologic manifestations] Deconinck J, et al. Acta Clin Belg 25:241-52, 1970 (Fre)
[Role of immunologic reactions in bilharziasis epidemiology] Soussi Mohamed C, et al.
Maroc Med 535:314-7, May 70 (Fre)

METABOLISM

Lipid metabolism in bilharzial cirrhosis. Ghanem MH, et al. Atherosclerosis 12:55-61, Jul-Aug 70
Serum and ascitic fluid magnesium in bilharzial (schistosomal) hepatic fibrosis. Ghanem MH, et al.
J Trop Med Hyg 73:237-9, Oct 70
Iron loss and reabsorption in Ancylostoma duodenale infection and bilharzial colonic polyposis. Farid Z, et al. Trans R Soc Trop Med Hyg 64:881-4, 1970
[Intestinal absorption in the hepatosplenic form of schistosomiasis mansoni] Mott CB, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:55-60, Apr 71 (Por)

OCCURRENCE

Shistosomiasis in mainland China. A review of research and control programs since 1949. Cheng TH.
Am J Trop Med Hyg 20:26-53, Jan 71
The Katayama syndrome: report on an outbreak in Rhodesia. Clarke V de V, et al.
Cent Afr J Med 16:123-6, Jun 70
The taxonomy and distribution of the planorbidae in relation to the transmission of schistosomiasis. Eeden JA van. Cent Afr J Med Suppl:3-5, Jul 70
Sociological patterns and their influence on the transmission of Bilharziasis. Husting EL.
Cent Afr J Med Suppl:5-10, Jul 70
A rural survey of proteinuria and haematuria in Western Nigeria. Abayomi IO, et al.
Trop Geogr Med 23:109-12, Mar 71
Schistosomiasis at Lake Kariba, Zambia. II. Transmission of Schistosoma haematobium and S. mansoni at Siavonga. Hira PR.
Trop Geogr Med 22:335-44, Sep 70
Schistosomiasis at Lake Kariba, Zambia. I. Prevalence and potential intermediate snail hosts at Siavonga. Hira PR. Trop Geogr Med 22:323-34, Sep 70
Study of an outbreak of schistosomiasis in the newly formed Volta lake in Ghana. Paperna I.
Z Tropenmed Parasitol 21:411-25, Dec 70
[Schistosoma intercalatum biharziasis detected in Africans in metropolitan France. Parasitological, clinical and therapeutic study of 50 cases] Barbier M.
Bull Soc Pathol Exot 62:874-93, Sep-Oct 69 (Fre)
[First epidemiologic studies on a focus of human biharziasis in Cambodia, in the region of Kratie] Jolly M, et al.
Bull Soc Pathol Exot 63:476-83, Jun-Aug 70 (Fre)
[Epidemiologic data on the Schistosoma heamatobium complex in South Saharan Africa] Larivière M, et al.
Bull Soc Pathol Exot 62:376-84, 1969 (Fre)
[Epidemiological study on intestinal and urinary schistosomiasis in the area of the Lufira artificial lake (Katanga). 2. Prevalence of infestation according to the results of intradermal and complement fixation tests] Ripert C, et al.
Bull Soc Pathol Exot 63:562-79, Sep-Oct 70 (Fre)
[Epidemiological study on intestinal and urinary schistosomiasis in the area of the Lufira artificial lake (Katanga). 3. Evaluation of the parasite level according to the results of egg count in the feces] Ripert C, et al.
Bull Soc Pathol Exot 63:580-90, Sep-Oct 70 (Fre)
[The geographical extension of bilharziasis due to S. intercalatum in tropical Africa] Deschiens R.
C R Acad Sci [D] (Paris) 272:2511-2, 10 May 71 (Fre)
[Human S. intercalum bilharziasis: study from Cameroon foci. I] Sigam M.
J Sci Med Lille 89:163-9, Apr 71 (Fre)
[Bilharziasis in 2 Germans after work-sojourn in Africa] Hamzei R. Med Klin 66:171-3, 29 Jan 71 (Ger)
[Collective infestations by Schistosoma haematobium acquired by Italian tourists in Tunisia] De Carneri I, et al. G Mal Infett Parassit 22:640 passim, Sep 70 (Ita)
[Bladder schistomiasis epidemic among the Italian tourists in Tunisia] Grassi L.
G Mal Infett Parassit 22:646-7, Sep 70 (Ita)
[Incidence of the bullous form of schistosomatosis in the population of the Dogondoutchi region in Niger] Wozniczko L. Przegl Epidemiol 25:289-92, 1971 (Pol)
[A new focus of schistosomiasis in Guanabara, Alto da Boa Vista] Paes R, et al.
Rev Bras Malariol Doencas Trop 22:203-30, Apr-Dec 70 (Por)
[Population survey of Schistosomiasis mansoni by using immunofluorescence and hemagglutination serological technics] Dias LC de, et al.
Rev Inst Med Trop Sao Paulo 13:37-44, Jan-Feb 71 (Por)
[Parasitological survey, in particular of schistosomiasis mansoni, in Itanhaèm and Mongagua cities (seacoast in the South of the State of São Paulo)] Artigas P de T, et al. Rev Saude Publica 4:35-44, Jun 70 (Por)
[The spreading of Biomphalaria steamines, intermediate host of Schistosoma mansoni, through the distribution of fishes] Corrêa R de R, et al.
Rev Saude Publica 4:117-27, Dec 70 (Por)
[The importance of floods in the spreading of schistosomiasis mansoni] Ramos A da S, et al.
Rev Saude Publica 4:1-5, Jun 70 (Por)
[Urogenital schistosomiasis in the Republic of Mali, Gao County] Platonova KP.
Med Parazitol (Mosk) 39:242-3, Mar-Apr 70 (Rus)
[Occurrence of helminthiasis in 1 of the regions of the Republic of Chad] Shabel'nik VI, et al.
Med Parazitol (Mosk) 39:96-8, Jan-Feb 70 (Rus)

PATHOLOGY

Renal changes in patients with hepatosplenic schistosomiasis. Andrade ZA, et al.
Am J Trop Med Hyg 20:77-83, Jan 71
Alterations of the intrahepatic vasculature in hepatosplenic schistosomiasis mansoni. Andrade ZA, et al. Am J Trop Med Hyg 20:425-32, May 71
Pathologic effects of schistosomiasis in Ibadan, Western State of Nigeria. I. Incidence and intensity of infection; distribution and severity of lesions. Edington GM, et al.
Am J Trop Med Hyg 19:982-95, Nov 70
Pathologic effects of schistomiasis in Ibadan Western State of Nigeria. II. Pathogenesis of lesions of the bladder and ureters. Von Lichtenberg F, et al.
Am J Trop Med Hyg 20:244-54, Mar 71
The pathogenesis of junctional nodules in schistosomiasis. Kean BH, et al.
Bull Soc Pathol Exot 64:84-95, Jan-Feb 71
Kidney biopsy in the hepatosplenic form of infection with Schistosoma mansoni in man. Silva LC da, et al.
Bull WHO 42:907-16, 1970
Pathology of bilharziasis. Cent Afr J Med 17:17-8, Jan 71
Schistosoma haematobium: experimental infection in capuchin monkey, Cebus apella. Kuntz RE, et al.
Exp Parasitol 29:33-41, Feb 71
Study of pulmonary involvement in Schistosoma mansoni infection in mice utilising single and repeated infection as well as single and repeated therapy. el-Garem AA, et al.
J Egypt Med Assoc 53:203-13, 1970
Pathobiology of schistosomiasis in experimental hepatic mansoniasis. Wassef SA, et al.
J Egypt Med Assoc 53:401-11, 1970
Experimental cerebral schistosomiasis japonica in primates. Jane JA, et al.
J Neurol Neurosurg Psychiatry 33:426-30, Aug 70
The citoplasmatic-nuclear volumetric relationships of the hepatocytes in schistosomiasis Mansoni (Symmers' form) and in Morgagni-Laennec's cirrhosis. Guimarães RC, et al.
Rev Assoc Med Bras 17:73-6, Mar 71
[Rectoscopic aspects of bilharziasis in Africa and the parasitologic correlations] Le Bras M, et al.
Bull Soc Pathol Exot 64:61-71, Jan-Feb 71 (Fre)
[Histopathologic aspects of the liver in Schistosoma mansoni schistosomiasis in South-American patients] Bianchini C, et al.
Policlinico [Prat] 76:1522-32, Nov 69 (Ita)
[CPC 221 at the 2d Tokyo National Hospital] Iryo 24:741-4, Sep 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOPATHOLOGY

Renal function in urinary schistosomiasis. Lehman JS Jr, et al. Am J Trop Med Hyg 19:1001-6, Nov 70
Hydronephrosis, bacteriuria, and maximal urine concentration in urinary schistosomiasis. Lehman JS Jr, et al. Ann Intern Med 75:49-55, Jul 71
Study of the portal and the cardiopulmonary haemodynamic interrelationship in schistosomal cases. el-Garem AA, et al.
J Egypt Med Assoc 53:99-107, 1970
The influence on the heart by schistosomiasis japonica. Electrocardiographic analysis in an endemic area in Yamanashi Prefecture. Kamo E, et al.
Jap Circ J 34:673-8, Aug 70
Tissue reactions to Schistosoma mansoni ova. 3. Micro-circulation in the intestine of infected mice, as studied by injection of contrast material. Kloetzel K.
Rev Inst Med Trop Sao Paulo 13:51-6, Jan-Feb 71
A study of the vascular changes in bilharzic hepatic fibrosis and their significance. Hidayat MA, et al.
Surg Gynecol Obstet 132:997-1004, Jun 71
[The role of estradiol in experimental parasitosis caused by Schistosoma mansoni in the female golden hamster Cricetus auratus] Combescot C, et al.
C R Soc Biol (Paris) 164:1623-5, 1970 (Fre)

PREVENTION & CONTROL

Evaluation of two methods for the detection of Schistosoma mansoni cercariae shed by Biomphalaria glabrata. Butler JM Jr, et al.
Am J Trop Med Hyg 20:157-9, Jan 71
An examination of the value of ecological research in the control of bilharziasis. Allanson BR.
Cent Afr J Med Suppl:14-8, Jul 70
The control of bilharziasis by the use of molluscicides. Barnish G. Cent Afr J Med Suppl:22-7, Jul 70
Assessment of results of experimental control programmes. Clarke V de V, et al.
Cent Afr J Med Suppl:29-30, Jul 70
Control of bilharziasis by rural management. Pitchford RJ. Cent Afr J Med Suppl:31-3, Jul 70
The requirements for control. Rittey DA.
Cent Afr J Med Suppl:36, Jul 70
Schistosomiasis and water works practice in Uganda. Coles GC, et al. East Afr Med J 48:40-3, Jan 71
Schistosomiasis: the last ten years. Southgate BA.
J Trop Med Hyg 73:235-6, Sep 70
Bacterial invasion of schistosomes. Ottens H.
Ned Tijdschr Geneeskd 115:175-7, 23 Jan 71
An attempt to induce resistance in mice to Schistosoma mansoni infection using millipore diffusion chambers. Hillyer GV, et al.
Rev Inst Med Trop Sao Paulo 12:149-51, Mar-Apr 70
Progress towards the control of bilharziasis in Iran. Arfaa F, et al. Trans R Soc Trop Med Hyg 64:912-7, 1970
Control of schistosomiasis mansoni in a small north east Brazilian community. Barbosa FS, et al.
Trans R Soc Trop Med Hyg 65:206-13, 1971
Immunization against Schistosoma japonicum in chimpanzees by administration of x-irradiated cercariae. Hsü SY.
Trans R Soc Trop Med Hyg 64:597-600, 1970
Aspects of the spread and control of schistosomiasis in Ibadan, Nigeria. Hira PR.
West Afr Med J 19:180-3, Dec 70
[Role of school health in the eradication of intestinal bilharziasis in the French Antilles] Boltanski E.
Bull Acad Natl Med (Paris) 154:786-9, 17 Nov 70 (Fre)
[The risk of implantation of intestinal bilharziasis in French Guiana] Brumpt LC, et al.
Bull Acad Natl Med (Paris) 152:134-6, 1968 (Fre)
[On the necessity of beginning in Guadeloupe an efficient control against intestinal bilharziasis due to S. mansoni] Floch HA.
Bull Soc Pathol Exot 64:71-80, Jan-Feb 71 (Fre)

RADIOGRAPHY

Roentgenographic features of schistosomiasis in children. Bohrer SP, et al.
Z Tropenmed Parasitol 22:177-88, Jun 71
[Bilharziasis of the diverted urinary tract] Clausen C, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:406-9, Mar 70 (Ger)

SURGERY

[Surgical indications in urogenital bilharziasis: 31 cases] Chatelain C, et al.
Ann Urol (Paris) 3:7-24, Feb 69 (Fre)

THERAPY

Extracorporeal hemofiltration in schistosomiasis. Rodríguez Molina R.
Bol Asoc Med PR 62:129-30, Apr 70
Extracorporeal filtration of schistosomes in unanesthetized man. Kessler RE, et al.
Surg Forum 21:378-80, 1970

URINE

Excretion of Schistosoma mansoni ova in the urine. Cook JA, et al.
Trans R Soc Trop Med Hyg 64:793-4, 1970
Some aspects of the endocrine changes in bilharzial liver fibrosis. Zaki K, et al.
Trans R Soc Trop Med Hyg 65:202-5, 1971

VETERINARY

Pathology of experimentally induced schistosome dermatitis in chickens: the role of Ornithobilharzia canaliculata (Rudolphi, 1819) Odhner 1912 (Trematoda: Schistosomatidae). Morales GA, et al.
Avian Dis 15:262-76, Apr-Jun 71
The developing problem of schistosomiasis in domestic stock in Rhodesia. Lawrence JA, et al.
Cent Afr J Med Suppl:19-22, Jul 70
Investigations into schistosomiasis in sheep in Mashonaland. McKenzie RL.
Cent Afr J Med Suppl:27-8, Jul 70
The epizootiology of an outbreak of bilharziasis in Zululand. Reinecke RK.
Cent Afr J Med Suppl:10-2, Jul 70
Schistosoma haematobium: infections in five species of Primates. Erickson DG, et al.
Exp Parasitol 29:126-37, Feb 71
Comparison of Schistosoma haematobium, S. mansoni, and S. japonicum infections in the owl monkey, Aotus trivirgatus. Erickson DG, et al.
J Parasitol 57:543-58, Jun 71
Urinary bladder involvement in the talapoin (Cercopithecus talapoin Schreber) due to infection with Schistosoma haematobium (Bilharz, 1852) Weinland, 1858. Myers BJ, et al.
Lab Anim Care 20:1004-6, Oct 70
The pathology of experimental schistosomiasis in calves. Hussein MF. Res Vet Sci 12:246-52, May 71

SCHIZOID PERSONALITY see under

PERSONALITY DISORDERS (F2)

SCHIZOPHRENIA (F2)

Frequency of separation and divorce among women aged 16-49 suffering from schizophrenia and affective disorders. Stevens BC.
Acta Psychiatr Scand 46:136-59, 1970
Schizophrenia. Arieti S.
Am J Psychiatry 128:348-50, Sep 71
Communication disorders and the quest for relatedness in families of schizophrenics. Wynne LC.
Am J Psychoanal 30:100-14, 1970
Childhood schizophrenia or vectoriasis praecocissima. Wolman BB. Am J Psychother 24:264-77, Apr 70
EEG-averaged evoked response and perceptual variability in schizophrenics. Inderbitzin LB, et al.
Arch Gen Psychiatry 23:438-44, Nov 70
Adult schizophrenia with scholastic failure or low IQ in childhood. A preliminary report. Offord DR, et al.
Arch Gen Psychiatry 24:431-6, May 71
Food priming: a therapeutic tool to increase the percentage of meals bought by chronic mental patients. Sobell LC, et al.
Behav Res Ther 8:339-45, Nov 70
Some results of research in schizophrenia. Bleuler M.
Behav Sci 15:211-9, May 70
Auditory evoked responses in schizophrenia--a reassessment. Jones RT, et al.
Biol Psychiatry 2:291-8, Jul 70
The interactive effects of maternal schizophrenia and offspring sex. Taylor MA, et al.
Biol Psychiatry 2:279-84, Jul 70
Schizophrenia in advanced senescence. Müller C.
Br J Psychiatry 118:347-8, Mar 71
Body build of paranoid and non-paranoid schizophrenic males. Polednak AP. Br J Psychiatry 119:191-2, Aug 71
Changing schizophrenic conceptualization by enrichment. Calhoun JF.
Br J Soc Clin Psychol 9:185-6, Jun 70
Autonomic arousal in good and poor premorbid schizophrenics. Fowles DC, et al.
Br J Soc Clin Psychol 9:135-47, Jun 70
Information processing in schizophrenia: the effect of varying the rate of presentation and introducing interference. Hawks DV, et al.
Br J Soc Clin Psychol 10:30-41, Feb 71
The effect of speed on comprehension in schizophrenia. Marchbanks G, et al.
Br J Soc Clin Psychol 10:55-60, Feb 71
Task requirements in testof schizophrenic overinclusion. Price RH.
Br J Soc Clin Psychol 9:60-7, Feb 70
Poison report on released schizophrenic.
Br Med J 1:615, 13 Mar 71
Failure to detect trans-3-methyl-2-hexenoic acid in the sweat of schizophrenic patients. Perry TL, et al.
Clin Chim Acta 30:721-5, Dec 70
Differences in auditory sensitivity of chronic schizophrenic patients and normal controls determined by use of a forced-choice procedure. Emmerich DS, et al. Dis Nerv Syst 31:552-7, Aug 70
Predictor patterns in the management of therapy-resistant schizophrenia. Holden JM, et al.
Dis Nerv Syst 32:260-8, Apr 71
Dream content in male schizophrenic patients. Kramer M, et al. Dis Nerv Syst 31:Suppl:51-8, Nov 70
Comparative study of nailfold capillary structure in adult and childhood schizophrenia. Sendi SB, et al.
Dis Nerv Syst 31:Suppl:14-9, Nov 70
Dream content study in chronic schizophrenics and normals by REMP-awakening technique. Okuma T, et al. Folia Psychiatr Neurol Jap 24:151-62, 1970
Object-relationships in schizophrenia and perversion. Bak RC. Int J Psychoanal 52:235-42, 1971
Autonomic conditioning in chronic schizophrenia. Ax AF, et al. J Abnorm Psychol 76:140-54, Aug 70
Effects of performance payoff and cues on recall by hospitalized schizophrenics. Calhoun JF.
J Abnorm Psychol 76:485-91, Dec 70
Physiological concomitants of behavioral indexes in schizophrenia. Fenz WD, et al.
J Abnorm Psychol 76:27-35, Aug 70
Preparatory instructions in the differential conditioning of the galvanic skin response of schizophrenics and normals. Fuhrer MJ, et al.
J Abnorm Psychol 76:482-4, Dec 70
Response to cutaneous pain in mental hospital patients. Kane EM, et al. J Abnorm Psychol 77:52-60, Feb 71
Dichotic stimulation as a method of assessing disorder of attention in overinclusive schizophrenic patients. Payne RW, et al. J Abnorm Psychol 76:185-93, Oct 70
Disordered language as related to autonomic responsivity and the process-reactive distinction. Rice JK. J Abnorm Psychol 76:50-4, Aug 70
The immediacy hypothesis and response-produced stimuli in schizophrenic speech. Salzinger K, et al.
J Abnorm Psychol 76:258-64, Oct 70
Thematic content and trials effects in the size estimation of meaningful stimuli. Strauss ME.
J Abnorm Psychol 76:276-8, Oct 70
Relation of formal thought disorder to the communication deficit in schizophrenics. Suchotliff LC. J Abnorm Psychol 76:250-7, Oct 70
Speed of perceptual functioning in chronic nonparanoid schizophrenics. Yates AJ, et al.
J Abnorm Psychol 76:453-61, Dec 70
Temporal orientation and time estimation in chronic schizophrenics. Johnson JE, et al.
J Clin Psychol 27:194-6, Apr 71
Schizophrenic short-term memory: the role of organization at input. Bauman E.
J Consult Clin Psychol 36:14-9, Feb 71
Absolute and relative performance of schizophrenics under competition. Craig RJ.
J Consult Clin Psychol 37:75-9, Aug 71
Alteration of some body image indexes in schizophrenics. Darby JA.
J Consult Clin Psychol 35:116-21, Aug 70
Intellectual deficit in chronic schizophrenia and brain damage. DeWolfe AS, et al.
J Consult Clin Psychol 36:197-204, Apr 71
Associative interference in schizophrenia as a function of paranoid status and premorbid adjustment. Gonen JY. J Consult Clin Psychol 34:221-5, Apr 70
A multimethod factor analysis of behavioral and objective measures of psychopatholog. Lorr M, et al.
J Consult Clin Psychol 36:136-41, Feb 71
Effects of modeling and reinforcement on adult chronic schizophrenics. Olson RP.
J Consult Clin Psychol 36:126-32, Feb 71
Fallacy of schizophrenic deficit in the interpersonal sphere. Tolor A.
J Consult Clin Psychol 35:278-82, Oct 70
The effects of aging on schizophrenic and mentally defective patients: visual, auditory, and grip strength measurements. Callison DA, et al.
J Gerontol 26:137-45, Apr 71
Purpose-in-life test: further correlates. Yarnell TD.
J Individ Psychol 27:76-9, May 71
Sensitivity to maternal censure in paranoid and nonparanoid schizophrenics. Heilbrun AB Jr, et al.
J Nerv Ment Dis 152:45-9, Jan 71
Comparison between electroencephalographic and systematic nursing observations of sleep in psychiatric patients. Kupfer DJ, et al.
J Nerv Ment Dis 151:361-8, Dec 70
Varieties of consensual experience. 3. Contrasts between families of normals, delinquents and schizophrenics. Reiss D.
J Nerv Ment Dis 152:73-95, Feb 71
The effects of reinforcement upon skin conductance levels in process and reactive schizophrenics and in normals. Taylor J. J Nerv Ment Dis 152:50-2, Jan 71
Paranoia and power anxiety. May R.
J Proj Tech Pers Assess 34:412-8, Oct 70
Biasing factors affecting estimates of fertility rates of schizophrenics. Lane E. J Psychol 78:49-63, May 71
A society for schizophrenia. Carstairs GM, et al.
Lancet 2:937, 31 Oct 70
Functions of hesitations in the speech of normal families and families of schizophrenic patients. Mishler EG, et al. Lang Speech 13:102-17, Apr-Jun 70
Making chronic schizophrenics. Kantor D, et al.
Ment Hyg 53:54-66, Jan 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The family's role in the outcome of schizophrenia. Rubinstein D. Ment Hyg 52:532-4, Oct 68
Operation retrieval. Melcher SA.
Nebr State Med J 56:139-41, Apr 71
A schizoid life style. Laury GV.
NY State J Med 70:2809-14, 15 Nov 70
Hypnosis, depth perception and schizophrenia. Aaronson BS. Percept Mot Skills 32:271-5, Feb 71
An hypothesis concerning the relation between drive and size estimation for paranoids and nonparanoids within specific schizophrenic subgroups. Magaro PA. Percept Mot Skills 31:489-90, Oct 70
Impression formation in schizophrenics and normals. Rosenman MF. Percept Mot Skills 31:867-77, Dec 70
Further data on effects of aggressive activation and symbiotic merging on ego functioning of schizophrenics. Silverman LH, et al. Percept Mot Skills 32:93-4, Feb 71
Current views on schizophrenia. Munro A. Practitioner 205:273-9, Sep 70
Social interaction and intimacy in preschizophrenic adolescence. Kreisman D. Proc Am Psychopathol Assoc 59:299-318, 1970
Variability of respiratory movements in chronic schizophrenics. Tan BK. Psychiatr Neurol Neurochir 73:301-8, Jul-Aug 70
Dermatoglyphics in female schizophrenia: a preliminary report. Stowens D, et al. Psychiatr Q [Suppl] 44:516-32, 1970
Ego development and the hypnosis theory of schizophrenia. King PD. Psychoanal Rev 57:647-56, Winter 70
Significant intercorrelations among measures of overinclusive thinking. Craig RJ. Psychol Rep 26:571-4, Apr 70
Commonality of word association response in schizophrenia as a function of premorbid adjustment, chronicity, and paranoid status. Deckner CW, et al. Psychol Rep 26:503-9, Apr 70
Toward an operational definition of anhedonia. Watson CG, et al. Psychol Rep 26:371-6, Apr 70
The chronic schizophrenic as a research subject: outpatient considerations. Engelhardt DM. Psychopharmacol Bull 6:58-72, Oct 70
The GSR recovery limb in chronic schizophrenia. Ax AF, et al. Psychophysiology 7:145-7, Jul 70
Gastric perceptivity in normal, obese and schizophrenic subjects. Coddington RD, et al. Psychosomatics 11:571-9, Nov-Dec 70
A study of 100 schizophrenic patients in private practice. Chia Boon Hook. Singapore Med J 11:269-74, Dec 70
Violation of parental role structure and outcome in schizophrenia. A scored analysis of features in the patient-parent relationship. Scott RD, et al. Soc Sci Med 4:41-64, Jul 70
Biological research in schizophrenia. WHO Chron 25:29-34, Jan 71
Biological research in Schizophrenia. Report of a WHO scientific group. WHO Tech Rep Ser 450:5-35, 1970
[Review of schizophrenic and neurotic disorders. Military medicine point of view] Kärhä E, et al. Sotilaslaak Aikak 45:105-7, 1970 (Fin)
[Influence of social factors on the genesis and course of schizophrenia] Carstairs GM. Evol Psichiatr (Paris) 34:719-31, Oct-Dec 69 (Fre)
[Cybernetics in psychiatry. Schizophrenia and depression] Feer H. Bibl Psychiatr 145:1-94, 1970 (Ger)
[Secondary habituations in schizophrenic psychoses] Glatzel J. Psychiatr Clin (Basel) 3:321-36, 1970 (Ger)
[Schizoid neuroses. Clinical aspects and psychodynamic findings] Schwidder W. Z Psychosom Med Psychoanal 17:11-20, Jan-Mar 71 (Ger)
[Studies on color used in paintings of schizophrenics] Hartwich P. Z Psychother Med Psychol 21:64-73, Mar 71 (Ger)
[Arrest of time as refusal of reality] Del Monaco F, et al. G Psichiatr Neuropatol 97:61-76, 1969 (Ita)
[Premorbose dysthymic and schizophrenic personality] Giannini A, et al. G Psichiatr Neuropatol 98:187-202, 1970 (Ita)
[Creativity, personality, and pathology] Morselli GE. G Psichiatr Neuropatol 98:161-70, 1970 (Ita)
[Lyerly-Love technic in prefrontal lobotomy. Technical contribution] Peserico L, et al. Minerva Neurochir 14:225-9, Apr-Sep 70 (Ita)
[Schizophrenia and dysmorphophobias] Vitello A. Osp Psichiatr 38:57-73, Jan-Jun 70 (Ita)
[Follow-up studies of schizophrenia] Uno M. Psychiatr Neurol Jap 73:183-220, Mar 71 (Jap)
[Mental changes in a schizophrenic patient reflected in his artistic production] Bartoszewski J, et al. Psychiatr Pol 5:231-7, 1971 (Pol)
[Attempt at comparing the schizophrenic defect in men and women with consideration given to psychological examinations] Leczycka K, et al. Psychiatr Pol 4:537-42, 1970 (Pol)
[Delinquency among schizophrenics as based on forensic psychiatric rulings] Malik A. Psychiatr Pol 4:619-25, Nov-Dec 70 (Pol)
[Benton's test in the evaluation of intelligence in schizophrenics] Urbaniak K, et al. Psychiatr Pol 4:639-42, Nov-Dec 70 (Pol)
[The future of the study of schizophrenia] Snezhnevskiĭ AV. Vestn Akad Med Nauk SSSR 25:83-8, 1970 (Rus)
[The functional basis of forms of schizophrenia (according to foreign research data). I] Rogovin MS. Zh Nevropatol Psikhiatr 71:454-61, 1971 (110 ref.) (Rus)
[Comparative characteristics of the qualifications and work capacity of schizophrenics with shiftlike progressive and periodic courses according to epidemiologic data] Serebriakova ZN. Zh Nevropatol Psikhiatr 70:1701-6, 1970 (Rus)
[Social adaptation of patients with slow course of schizophrenia (based on findings of epidemiologic studies)] Serebriakova ZN. Zh Nevropatol Psikhiatr 70:1846-50, 1970 (Rus)
[Pictorial expressions of lunatics] Pablo Bonnet EF. Prensa Med Argent 57:2009-17, 1 Jan 71 (Spa)
[Acid burns in the stomach. Suicide attempt in a schizophrenic patient] Durling U, et al. Lakartidningen 68:977-9, 24 Feb 71 (Swe)
[Neck injury by an acute force in the early stage of schizophrenic process] Mitrović M, et al. Med Glas 24:196-8, Apr-May 70 (Cro)

BLOOD

Oxygen consumption and enzymatic activity of glucose metabolism in leukocytes and erythrocytes in peripheral blood of schizophrenics. Horodnicki JM. Arch Immunol Ther Exp (Warsz) 19:193-203, 1971
Studies on aminochromes. V. Excessive hemolysis associated with the formation of rheomelanins during incubation of adrenochrome and adrenolutin in the bloods of chronic schizophrenic patients. Hegedus ZL, et al. Arch Int Pharmacodyn Ther 186:48-53, Jul 70
Review of alpha-2-globulins. Gordon M. Arzneim Forsch 20:1152-6, Aug 70
Serum creatine kinase, aldolase, and copper in acute and chronic schizophrenics. Coffey JW, et al. Biol Psychiatry 2:331-9, Oct 70
Conformation of a unique plasma protein in schizophrenia. Frohman CE, et al. Biol Psychiatry 3:113-21, 1971
Ascorbic acid and chronic schizophrenia. Pitt B, et al. Br J Psychiatry 118:227-8, Feb 71
The effect of chlorpromazine on serum cholesterol in chronic schizophrenic patients. Clark M, et al. Clin Pharmacol Ther 11:883-9, Nov-Dec 70
Changes in serum copper and PPD-oxidase in different disease . II. Comparative studies in Wilson's disease schizophrenia and Parkinsonism. Chitre VS, et al. Indian J Med Res 58:563-73, May 70
Quantitative immunoelectrophoresis of serum from hospitalized chronic schizophrenic and epileptic patients. Clarke HG, et al. J Neurol Neurosurg Psychiatry 33:694-7, Oct 70
Effects on rat rope-climbing of injection with blood plasma fractions from schizophrenics and normals. Axelrod S, et al. J Psychiatr Res 8:1-12, Oct 70
The effect of intravenously administered synthetic lysine-vasopressin (L.V.P.) on serum cortisol in chronic schizophrenic patients. Franzén G. J Psychosom Res 15:361-5, Sep 71
Serum cortisol in chronic schizophrenia. A study of the diurnal rhythm in relation to psychiatric mental status. Franzén G. J Psychosom Res 15:367-73, Sep 71
[Blood platelet levels of serotonin in schizophrenia] Torre M, et al. Acta Neurol (Napoli) 25:740-6, Nov-Dec 70 (Ita)
[Atypical lymphocytes in schizophrenia] Malacarne P, et al. G Psichiatr Neuropatol 97:93-104, 1969 (Ita)
[The central mechanisms of the stress effect of schizophrenic patient serum] Gaskin LZ, et al. Zh Nevropatol Psikhiatr 70:576-81, 1970 (Rus)
[The effect of the blood serum from schizophrenic patients on the energy metabolism in the mitochondria of the cat brain] Gulidova GP, et al. Zh Nevropatol Psikhiatr 70:1211-6, 1970 (Rus)
[Changes in the concentrations of proteins and amino acids in the brains of experimental animals under the influence of schizophrenic patient serum (a histochemical and cytophotometric study)] Iakobson IS. Zh Nevropatol Psikhiatr 70:1833-7, 1970 (Rus)
[Carbohydrate-phosphorus metabolism in leukocytes of schizophrenics] Ibragimova AA. Zh Nevropatol Psikhiatr 70:1208-11, 1970 (Rus)
[The effect of serum from schizophrenic patients and healthy donors on the action potentials of the superior cervical sympathetic ganglion] Khakhanova GP, et al. Zh Nevropatol Psikhiatr 70:1216-21, 1970 (Rus)
[The cultured lymphocytes of schizophrenia patients. 1. The effect of phytohemagglutinins on a culture of peripheral blood leukocytes from schizophrenia patients with different types of course] Koliaskina GI, et al. Zh Nevropatol Psikhiatr 70:1017-21, 1970 (Rus)
[Changes in the ultrastructure of the cat superior cervical sympathetic ganglion following administration of schizophrenic patients serum and electric stimulation] Solov'eva ZhV, et al. Zh Nevropatol Psikhiatr 70:584-92, 1970 (Rus)
[Immunoelectrophoretic analysis of serum during development of schizophrenia] Stambolïev PN. Zh Nevropatol Psikhiatr 70:1339-43, 1970 (Rus)
[The effect of schizophrenic ptient serum on brain protein turnover in rats] Us ZG, et al. Zh Nevropatol Psikhiatr 71:253-5, 1971 (Rus)
[Study of haptoglobulin level in schizophrenic patients] Fernández Sandoná J, et al. Rev Clin Esp 120:123-6, 31 Jan 71 (Spa)

CEREBROSPINAL FLUID

The content of 5-hydroxyindoleacetic acid and homovanillic acid in the cerebrospinal fluid of patients with acute schizophrenia. Rimón R, et al. J Psychosom Res 15:375-8, Sep 71
[Enzyme activity of the cerebrospinal fluid (CSF) in chronic schizophrenic patients] De Castro del Pozo S, et al. Arch Neurobiol (Madr) 34:219-30, May-Jun 71 (Spa)

CHEMICALLY INDUCED

Possible etiology of schizophrenia: progressive damage to the noradrenergic reward system by 6-hydroxydopamine. Stein L, et al. Science 171:1032-6, 12 Mar 71

CLASSIFICATION

A check on the check lists. Finkelstein BA, et al. Am J Psychiatry 127:841-2, Dec 70
Schizo-affective symptomatology in late life. Post F. Br J Psychiatry 118:437-45, Apr 71
[Process-reactive classification of schizophrenia] Roosen JA. Ned Tijdschr Psychol 25:497-532, Sep 70 (69 ref.) (Dut)

COMPLICATIONS

Abnormal movements and prognosis in schizophrenia. Yarden PE, et al. Am J Psychiatry 128:317-23, Sep 71
Can schizophrenia change to affective psychosis? Ziskind E, et al. Am J Psychiatry 128:331-5, Sep 71
Emotional learning deficits common to schizophrenias and other motivational disorders. Ax AF. Biol Psychiatry 2:251-60, Jul 70
Thought-process disorder and personal construct subsystems. McPherson FM, et al. Biophys J 11:380-1, Jan 71
Migraine and schizophrenia. Gosling PH. Br J Psychiatry 117:608, Nov 70
Thought-process disorder and personal construct subsystems. McPherson FM, et al. Br J Soc Clin Psychol 9:380-1, Dec 70
Schizophrenia and the pineal gland. Greiner AC. Can Psychiatr Assoc J 15:433-47, Oct 70
Cultural factors in temporal lobe epilepsy associated with schizophreniform psychosis. Murchison AJ, et al. Can Psychiatr Assoc J 15:449-52, Oct 70
Effects of gross environmental change upon behavior of schizophrenics: a cautionary note. Higgs WJ. J Abnorm Psychol 76:421-2, Dec 70
Reciprocal shifts in schizophrenic thought processes. Shimkunas AM. J Abnorm Psychol 76:423-6, Dec 70
Psychosis in systemic lupus erythematosus. Dasgupta D, et al. J Indian Med Assoc 56:234-5, 16 Apr 71
Learning impairment in schizophrenic and brain-damaged patients. Whitman JR. Percept Mot Skills 30:311-6, Feb 70
Masked depression in chronic schizophrenia. Raskin DE. Psychiatr Q 44:575-82, 1970
Dysautonomia in schizophrenic remission. Rubin LS, et al. Psychosomatics 11:506-12, Sep-Oct 70
Underlying psychiatric diagnosis as an indicator of participation in alcoholism therapy. Panepinto WC, et al. Q J Stud Alcohol 31:950-6, Dec 70
[Relation of schizophrenia and epilepsy] Sahánek O, et al. Cesk Psychiatr 67:201-5, Aug 71 (Cze)
[Nature of body-feeling disorders in schizophrenics] Thiele W. Fortschr Neurol Psychiatr 39:279-86, May 71 (Ger)
[Acute hallucinations in chronic schizophrenias] Glatzel J. Nervenarzt 42:17-26, Jan 71 (Ger)
[Subjective aspect of anxiety] Tamm J. Schweiz Arch Neurol Neurochir Psychiatr 107:389-95, 1970 (Ger)
[Clinical study and comparison of insanity of negation in various psychiatric diseases] Amendola E, et al. Rass Neuropsichiatr 22:164-8, Apr-Jun 68 (Ita)
[Various aspects of schizophrenic delusions] Giannelli A. Riv Sper Freniatr 95:314-30, 30 Apr 71 (Ita)
[Evolution of the ideas on association of tuberculosis and mental disorders and some unusual clinical aspects of schizophrenia in tuberculous patients] Nava V. Riv Sper Freniatr 94:1463-74, 3 Dec 70 (Ita)
[A case of Hand-Schueller-Christian disease in an adult with mental disorders] Marmajewska G, et al. Wiad Lek 24:567-71, 15 Mar 71 (Pol)
[Eye diseases in psychotic old people] Myrstener A, et al. Nord Psykiatr Tidsskr 24:213-20, 1970 (Swe)

DIAGNOSIS

School adjustment and behavior of children

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hospitalized for schizophrenia as adults. Watt NF, et al. Am J Orthopsychiatry 40:637-57, Jul 70
Frequency of diagnoses of schizophrenia versus affective disorders from 1944 to 1968. Baldessarini RJ. Am J Psychiatry 127:759-63, Dec 70
Manic-depressive illness and schizophrenia. Hudgens RW, et al. Am J Psychiatry 127:843-4, Dec 70
Factors related to short-term prognosis in schizophrenia and depression. Bromet E, et al. Arch Gen Psychiatry 25:148-54, Aug 71
Electroencephalograms of schizophrenic patients with and without convulsive disorders. Gerson IM, et al. Behav Neuropsychiatry 1:8-11, Aug 69
Prognosis in schizophrenia: the role of premorbid, social class, and demographic factors. Nuttall RL, et al. Behav Sci 15:255-64, May 70
The Symptom-Sign Inventory as a dignostic differentia for paranoid and non-paranoid schizophrenics. Gordon AV, et al. Biophys J 11:347-56, Jan 71
Overinclusive thought disorder and symptomatology. Hawks DV, et al. Br J Psychiatry 118:663-70, Jun 71
The clinical distinction between the affective psychoses and schizophrenia. Kendell RE, et al. Br J Psychiatry 117:261-6, Sep 70
First rank symptoms of schizophrenia. I. The frequnncy in schizophrenics on admission to hospital. II. Differences between individual first rank symptoms. Mellor CS. Br J Psychiatry 117:15-23, Jul 70
The performance of manic patients on the "grid test for schizophrenic thought disorder'. Mellsop GW, et al. Br J Psychiatry 118:671-3, Jun 71
The Symptom-Sign Inventory as a dignostic differentia for paranoid and non-paranoid schizophrenics. Gordon AV, et al. Br J Soc Clin Psychol 9:347-56, Dec 70
Encephalitis presenting as acute schizophrenia. Misra PC, et al. Br Med J 1:532-3, 6 Mar 71
"Obsessive psychosis"--psychodiagnostic findings. Weiss AA, et al. Isr Ann Psychiatry 7:175-8, Nov 69
Differentiation of normals, neurotics, paranoids, and nonparanoids. Hamlin RM, et al. J Abnorm Psychol 77:90-8, Feb 71
Differentiation of schizophrenia and brain damage with the WAIS. De Wolfe AS. J Clin Psychol 27:209-11, Apr 71
Comment on differentiating paranoid from nonparanoid schizophrenics. Calhoun JF. J Consult Clin Psychol 36:104-5, Feb 71
Concept identification and practice in brain-damaged and process-reactive schizophrenic groups. Parsons OA, et al. J Consult Clin Psychol 35:317-23, Dec 70
An MMPI scale to separate brain-damaged from schizophrenic men. Watson CG. J Consult Clin Psychol 36:121-5, Feb 71
Inhibition of humor enjoyment: differential effects with traditional diagnostic categories. Verinis JS. J Gen Psychol 82:157-63, Apr 70
The hazard of short-term psychotherapy without assessment: a case history. DeCourcy P. J Pers Assess 35:285-8, Jun 71
Rorschach content responses of East Indian psychiatric patients. Brar HS. J Proj Tech Pers Assess 34:88-94, Apr 70
Improving prediction of brain damage with the tactile performance test for a psychiatric population. Strain GS, et al. Percept Mot Skills 30:143-6, Feb 70
Clinical research on psychosis. Fischer AA. Psychiatr Neurol Neurochir 74:205-17, May-Jun 70
Dermatoglyphics in female schizophrenia. A preliminary report. Stowens D, et al. Psychiatr Q 44:516-32, 1970
The chronic schizophrenic as a research subject: Treatment responsiveness. Bonato RR, et al. Psychopharmacol Bull 6:24-34, Oct 70
[Follow-up pyknotic leukocytes in child and adolescent schizophrenics] Fischer J, et al. Cesk Psychiatr 67:193-200, Aug 71 (Cze)
[Papillary ridges and disease] Wendt GG, et al. Dtsch Med Wochenschr 96:1056-62, 11 Jun 71 (25 ref.) (Ger)
[Structural psychiatric aspects of schizophrenia. II. Nosological examination of 120 patients] Petrilowitsch N, et al. Psychiatr Clin (Basel) 3:257-73, 1970 (Ger)
[Epileptic psychoses without epileptic seizures and their differential diagnosis] Dober B. Psychiatr Neurol Med Psychol (Leipz) 23:34-9, Jan 71 (Ger)
[Late schizophrenias] Siegel E, et al. Wien Z Nervenheilkd 28:145-51, Jun 70 (Ger)
[Drawings by schizophrenic patients as a prognostic factor in the evaluation of their mental state] Bartoszewski J, et al. Psychiatr Pol 5:153-9, 1971 (Pol)
[Attempt at using vectorcardiography in schizophrenia to evaluate the QRS syndrome] Kowarzykowa Z, et al. Psychiatr Pol 5:263-70, May-Jun 71 (Pol)
[Psychiatric and artistic analysis of verbal and artistic expression in chronic schizophrenia] Tyszkiewicz M. Psychiatr Pol 5:161-7, 1971 (Pol)
[Clinical features of a group of schizophrenic patients with a predominance of negative manifestations] Ivanitskaia TIu. Zh Nevropatol Psikhiatr 70:1368-74, 1970 (Rus)
[The results of experimental psychological and pneumoencephalographic studies of patients with periodic schizophrenia] Kaliagin VN, et al. Zh Nevropatol Psikhiatr 70:1842-5, 1970 (Rus)
[A change of syndromes in the course of periodic psychoses] Khaletskii AM. Zh Nevropatol Psikhiatr 70:556-60, 1970 (Rus)
[The syndrome of pseudo-recognition in schizophrenia] Lavretskaia EF. Zh Nevropatol Psikhiatr 70:560-4, 1970 (Rus)
[Features of a reaction to intravenous haloperidol administration] Lichko AE, et al. Zh Nevropatol Psikhiatr 71:443-7, 1971 (Rus)
[Sluggishly developing schizophrenia with hysterical manifestations] Ovsiannikov SA. Zh Nevropatol Psikhiatr 70:1031-7, 1970 (Rus)
[Protracted heboid states in schizophrenia] Panteleeva GP. Zh Nevropatol Psikhiatr 71:125-32, 1971 (Rus)
[The functional basis of forms of schizophrenia (according to foreign research data). II] Rogovin MS. Zh Nevropatol Psikhiatr 71:617-24, 1971 (58 ref.) (Rus)
[Qualifications and work capacity of schizophrenic patients with an unin-terrupted course according to data from an epidemiologic study] Serebriakova ZN. Zh Nevropatol Psikhiatr 70:1375-81, 1970 (Rus)
[Clinico-statistical characteristics of schizophrenia evolving periodically and in the form of shifts (according to findings from a patient population)] Shmaonova LM, et al. Zh Nevropatol Psikhiatr 70:1037-46, 1970 (Rus)
[General clinical features of "late" depressions] Shternberg Ela, et al. Zh Nevropatol Psikhiatr 70:1356-64, 1970 (Rus)
[The range, typology and dynamics of the Kandinskif-Clérambault syndrome in delusional schizophrenia] Sokolova ED. Zh Nevropatol Psikhiatr 71:112-8, 1971 (Rus)
[Typology of the obsessive syndrome in patients with favorably proceeding schizophrenia] Zavidovskaia GI. Zh Nevropatol Psikhiatr 70:1686-94, 1970 (Rus)

DRUG THERAPY

Relationship between the hospital milieu and the response to phenothiazines in the treatment of schizophrenics. Klerman GL, et al. Acta Psychiatr Belg 70:716-29, Nov 70
Evaluation of the therapeutic effect of neuroleptics upon the higher nervous activity in schizophrenia. Saarma J, et al. Acta Psychiatr Belg 70:753-61, Nov 70
A comparison of oxypertine and chlorpromazine in chronic schizophrenia. Goldberg GJ, et al. Acta Psychiatr Scand 46:126-35, 1970
Intramuscular long-acting fluphenazine in the treatment of schizophrenia. Maim U. Acta Psychiatr Scand 46:225-37, 1970
Fluphenazine enanthate in sesame oil, a depot preparation. Rasmussen OS. Acta Psychiatr Scand 46:311-8, 1970.
Psychopharmacology. Acta Psychiatr Scand [Suppl] 217:53-8, 1970
Evaluation of an amitriptyline-perphenazine combination in chronic schizophrenia. Becker RE. Am J Psychiatry 127:827-31, Dec 70
Tranylcypromine-trifluoperazine combination in the treatment of schizophrenia. Hedberg DL, et al. Am J Psychiatry 127:1141-6, Mar 71
Polypharmacy: data and conclusions. Hussain Z. Am J Psychiatry 127:1235, Mar 71
Mania and the use of lithium: a three-year study. Lynn EJ, et al. Am J Psychiatry 127:1176-80, Mar 71
Motor disorders induced by neuroleptics: a proposed new classification. Crane GE, et al. Arch Gen Psychiatry 24:179-84, Feb 71
Life history and symptoms in schizophrenia. Severity at hospitalization and response to phenothiazines. Schooler NR, et al. Arch Gen Psychiatry 25:138-47, Aug 71
Clinical evaluation in 112 psychiatric patients of a butyrophenone neuroleptic, dehydrobenzperidol (R 4749). A controlled study in 45 patients of dehydrobenzperidol versus haloperidol. Cocito E, et al. Arzneim Forsch 20:1119-25, Aug 70
Clinical observations on the therapeutic activity of flupentixol in the treatment of chronic schizophrenia. Dogliani P, et al. Arzneim Forsch 20:1126-40, Aug 70
Influence of triperidol on the urinary elimination of bufotenin in schizophrenia. Acebal EM. Behav Neuropsychiatry 1:31, Aug 69
A double-blind comparison of the acridane derivative, clomacran phosphate and trifluoperazine in schizophrenia. Angus JW, et al. Behav Neuropsychiatry 1:13-8, Apr 69
Clinical effects of various schedules of medication. Chien CP, et al. Behav Neuropsychiatry 3:5-9, Apr-May 71
Pimozide compared with fluphenazine in schizophrenia. Kenway AK, et al. Br J Clin Pract 25:69-72, Feb 71
Comparative effects of lithium and chlorpromazine in the treatment of acute manic states. Johnson G, et al. Br J Psychiatry 119:267-76, Sep 71
A comparative double blind trial of pimozide and fluphenazine in chronic schizophrenia. Morris PA, et al. Br J Psychiatry 117:683-4, Dec 70
Social implications of recent advances in psychopharmacology. Roth M, et al. Br Med Bull 26:197-202, Sep 70 (34 ref.)
Long acting phenothiazines. Denham J, et al. Br Med J 1:557-8, 6 Mar 71
Trial of maintenance therapy in schizophrenia. Leff JP, et al. Br Med J 3:599-604, 11 Sep 71
Long-acting phenothiazines in schizophrenia. Lewis DM, et al. Br Med J 1:671-2, 20 Mar 71
Long-acting phenothiazines in schizophrenia. Simpson GM. Br Med J 3:248, 24 Jul 71
Long-acting phenothiazines in schizophrenia. Br Med J 1:189-90, 23 Jan 71
Antipsychotic drugs: an essential tool of community psychiatry. Varsamis J. Can J Public Health 61:432-5, Sep-Oct 70
Nicotinic acid in the treatment of schizophrenias. Ban TA, et al. Can Psychiatr Assoc J 15:499-500, Oct 70
Oxypertine and thiothixene in newly admitted schizophrenic patients. A further search for specific indications of antipsychotic drugs. Hollister LE, et al. Clin Pharmacol Ther 12:531-8, May-Jun 71
Comparison of thioridazine tablets to chlorpromazine spansules in the maintenance care of chronic schizophrenics. Bartlett C. Curr Ther Res 13:100-6, Feb 71
A clinical comparison of molindone hydrochloride with trifluoperazine in psychotic outpatients. Brauzer B, et al. Curr Ther Res 13:152-7, Mar 71
Clomacran and chlorpromazine in psychotic outpatients: a controlled study. Case WG, et al. Curr Ther Res 13:337-43, Jun 71
Metiapine: a new antipsychotic agent. Gallant DM, et al. Curr Ther Res 12:794-7, Dec 70
A pilot study on the use of AL-1021 in the treatment of acute schizophrenics. Gendron JL, et al. Curr Ther Res 13:169-73, Mar 71
Relative efficacy of butaperazine and chlorpromazine in acute schizophrenia. Gershon S, et al. Curr Ther Res 12:810-8, Dec 70
The clinical effects of intramuscular thiothixene and trifluoperazine in chronic schizophrenia: a comparative study. Holden JM, et al. Curr Ther Res 13:298-310, May 71
A comparative study of molindone and trifluoperazine. Ramsay RA, et al. Curr Ther Res 12:438-40, Jul 70
Nicotinic acid as an adjuvant in the treatment of chronic schizophrenic patients with special reference to changes in higher nervous activity. Saarma J, et al. Curr Ther Res 12:729-33, Nov 70
An evaluation of metiapine in chronic schizophrenia. Simpson GM, et al. Curr Ther Res 13:257-63, Apr 71
Doxepin as adjuvant medication in the treatment of chronic schizophrenic patients: a comparative study. Sterlin C, et al. Curr Ther Res 13:50-2, Jan 71
A controlled study of fluspirilene in chronic schizophrenia. Villeneuve A, et al. Curr Ther Res 12:819-27, Dec 70
Depot fluphenazine in the treatment of psychosis in a community mental health clinic. Bucci L, et al. Dis Nerv Syst 31:Suppl:28-31, Sep 70
Psychosocial profiles and efficacy of lithium treatment. Demers RG. Dis Nerv Syst 32:249-54, Apr 71
A clinical evaluation of fluphenazine enanthate. Goldberg HL, et al. Dis Nerv Syst 31:Suppl:46-7, Sep 70
Experience of psychiatric management of schizophrenia with fluphenazine decanoate. Grosser HH. Dis Nerv Syst 31:Suppl:32-6, Sep 70
Fluphenazine hydrochloride, enanthate, and decanoate in the management of chronic psychosis. Itil T, et al. Dis Nerv Syst 31:Suppl:37-42, Sep 70
Clinical and electroencephalographic effects of cinanserin in schizophrenic and manic patients. Itil TM, et al. Dis Nerv Syst 32:193-200, Mar 71
Differential response to lithium carbonate in manic depressive and schizo-affective disorders. Johnson G. Dis Nerv Syst 31:613-5, Sep 70
Private ambulatory patients treated with fluphenazine enanthate. Kline NS, et al. Dis Nerv Syst 31:Suppl:43-5, Sep 70
The effectiveness of parenteral administration of fluphenazine decanoate in the treatment of chronic schizophrenics. Kurland AA, et al. Dis Nerv Syst 31:Suppl:18-23, Sep 70
Fluphenazine enanthate given to inpatients and outpatients. Lambert PA, et al. Dis Nerv Syst 31:Suppl:63-5, Sep 70
Mode of action of D-penicillamine in chronic schizophrenia. Mattke DJ, et al. Dis Nerv Syst 32:388-91, Jun 71
Institutional management of chronic schizophrenics with fluphenazine decanoate. Neal CD, et al. Dis Nerv Syst 31:Suppl:24-7, Sep 70
Fluphenazine hydrochloride and enanthate in the management of chronic psychosis. Polvan N. Dis Nerv Syst 31:Suppl:48-9, Sep 70
Indications for high dose chlorpromazine therapy in chronic schizophrenia. Prien RF, et al. Dis Nerv Syst 31:739-45, Nov 70
Influence of sex of hospitalized schizophrenics on therapeutic dosage levels of neuroleptics. Taylor MA, et al. Dis Nerv Syst 32:131-4, Feb 71
Further investigation of factors affecting outcome in a doctor's choice treatment setting. Tupin JP, et al. Dis Nerv Syst 31:684-94, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Differential drug effects of two phenothiazines. (A controlled comparison of thioridazine and trifluoperazine in chronic schizophrenics). Vestre ND, et al. Dis Nerv Syst 31:821-5, Dec 70
Long acting phenothiazines and long term psychotic patients: the role of fluphenazine enanthate in treatment. Wintrob RM.
Dis Nerv Syst 31:Suppl:50-62, Sep 70
Hospital experience with fluphenazine enanthate. Young E. Dis Nerv Syst 31:705-9, Oct 70
Three months' experience with thiothixene. A useful new drug for schizophrenia. De Tata JC.
Hawaii Med J 30:174-7, May-Jun 71
Thiothixene in chronic schizophrenia. A clinical trial. Yilmaz AH. Hawaii Med J 30:178-82, May-Jun 71
Discontinuation of chemotherapy for chronic schizophrenics. Prien RF, et al.
Hosp Community Psychiatry 22:4-7, Jan 71
Antipsychotic and antianxiety drugs. Cole JO.
Int J Psychiatry 9:471-3, 1970-71
Fluphenazine enanthate in the treatment of chronic psychotic patients: a controlled clinical study. Deverteuil R, et al.
Int Z Klin Pharmakol Ther Toxikol 4:219-22, Feb 71
A clinical trial of navane. Halpern B, et al.
Isr Ann Psychiatry 8:87-93, Apr 70
Pimozide in chronic schizophrenic patients. Huber W, et al. J Clin Pharmacol 11:304-9, Jul-Aug 71
Clinical and heuristic value of clinical drug research. Park LC, et al.
J Nerv Ment Dis 151:322-40, Nov 70 (106 ref.)
The hospitalization proneness scale as a predictor of response to phenothiazine treatment. II. Delay of psychiatric hospitalization. Rosen B, et al.
J Nerv Ment Dis 152:405-11, Jun 71
The effects of phenothiazine medication on skin conductance and heart rate in schizophrenic patients. Spohn HE, et al. J Nerv Ment Dis 152:129-39, Feb 71
Relation of hypermagnesaemia to activity and neuroleptic drug therapy in schizophrenic states. Brackenridge CJ, et al.
J Neurol Neurosurg Psychiatry 34:195-9, Apr 71
High doses of chlorpromazine and trifluoperazine in the treatment of patients suffering from schizophrenia. Bagadia VN, et al.
J Postgrad Med 17:2-9, Jan 71
The effects of L-methionine (without MAOI) in schizophrenia. Antun FT, et al.
J Psychiatr Res 8:63-71, Jun 71
Effect of lithium salts on electrolyte metabolism. Aronoff MS, et al. J Psychiatr Res 8:139-59, Jun 71
Evaluation of a new antipsychotic agent. Piperacetazine (quide). JAMA 215:783-4, 1 Feb 71
Levodopa in drug-induced extrapyramidal disorders. Fleming P, et al. Lancet 2:1186, 5 Dec 70
Promising new drug. Nature (Lond) 229:149, 15 Jan 71
Cerebrospinal fluid 5-hydroxyindoles and behavior after L-tryptophan and pyridoxine adminstration to psychiatric patients. Bowers MB Jr.
Neuropharmacology 9:599-604, Nov 70
Fluphenazine: a retrospective assessment in 130 patients with residual schizophrenia. Groot MH de, et al. NZ Med J 72:25-8, Jul 70
Experience with fluspirilene (R 6218), a long-acting neuroleptic. Epen JH van.
Psychiatr Neurol Neurochir 73:277-84, Jul-Aug 70
Clinical study of an injectable long-acting neuroleptic agent: fluspirilene (R 6218). Onkenhout LA, et al.
Psychiatr Neurol Neurochir 73:285-91, Jul-Aug 70
Pseudopregnancy. Treatment of periodic psychiatric illness: a pilot study. Glick ID, et al.
Psychiatr Q [Suppl] 44:403-7, 1970
Predicting response to psychoactive drugs. Fracchia J, et al. Psychol Rep 25:698, Dec 69
Psychopharmacologic research in severely chronic schizophrenic inpatients. Gallant DM.
Psychopharmacol Bull 6:4-24, Oct 70
The chronic schizophrenic as a research subject: Toxicity measures and their relationship to efficacy measures. Guy W, et al.
Psychopharmacol Bull 6:34-58, Oct 70
Chlorpromazine in chronic schizophrenia: behavioral dose-response relationships. Clark ML, et al.
Psychopharmacologia 18:260-70, 1970
Somatosensory evoked potential changes during thiothixene treatment in schizophrenic patients. Saletu B, et al. Psychopharmacologia 20:242-52, 1971
Diagnostic concepts based on treatment. Brodsky CM.
Psychosomatics 12:30-5, Jan-Feb 71
Comparative efficacy of thiothixene capsules and concentrate in acutely schizophrenic patients. Goldstein BJ. Psychosomatics 11:434-7, Sep-Oct 70
Why a long-acting neuroleptic? Fluphenazine decanoate. (Brief review and clinical rationale). Grozier ML. Psychosomatics 12:56-60, Jan-Feb 71
Orthomolecular psychiatry: niacin and megavitamin therapy. Hawkins DR, et al.
Psychosomatics 11:517-21, Sep-Oct 70
Weight changes with schizophrenic psychosis and psychotropic drug therapy. Holden JM, et al.
Psychosomatics 11:551-61, Nov-Dec 70
Treatment of resistant schizophrenics with extreme high dosage fluphenazine hydrochloride. Itil T, et al.
Psychosomatics 11:456-63, Sep-Oct 70
A comparative study of butaperazine, chlorpromazine and placebo in chronic schizophrenics. Keskiner A, et al. Psychosomatics 11:120-6, Mar-Apr 70
Weight as a correlate of clinical response to psychotropic drugs. Singh MM, et al.
Psychosomatics 11:562-70, Nov-Dec 70
Lysergide treatment of schizophrenic and nonschizophrenic alcoholics: a controlled evaluation. Tomsovic M, et al. Q J Stud Alcohol 31:932-49, Dec 70
A controlled study of mesoridazine: an effective treatment for schizophrenia. McIndoo MV.
South Med J 64:592-6, May 71
Treatment with lithium carbonate. Results in 35 cases. Lewis WH, et al. Tex Med 66:58-63, Dec 70
[Clotepin] Melich H.
Cas Lek Cesk 110:404-5, Apr 71 (Cze)
[Influence of antipsychotic drugs on the social rehabilitation of schizophrenics] Steiness E.
Nord Med 85:14-9, 7 Jan 71 (Dan)
[Flupenthixol-depot treatment of schizophrenia] Bilde A, et al. Nord Psykiatr Tidsskr 24:245-9, 1970 (Dan)
[Psychopharmacologic research] Faurbye A.
Ugeskr Laeger 133:1348-50, 16 Jul 71 (Dan)
[Depot-neuroleptics] Praag HM van.
Ned Tijdschr Geneeskd 115:672-3, 10 Apr 71 (Dut)
[Depot-neuroleptics in the treatment of schizophrenia] Schipper JA.
Ned Tijdschr Geneeskd 115:707-9, 17 Apr 71 (Dut)
[Perphenazine enanthate in the treatment of chronic schizophrenia] Kampman R, et al.
Duodecim 86:1167-70, 1970 (Fin)
[Comparative study of 2 drugs and a placebo in chronic schizophrenia] Tetreault L.
Actual Pharmacol (Paris) 22:1-18, 1969 (Fre)
[Clinical trials of nortriptyline in 40 cases] Kammerer T, et al.
Ann Med Psychol (Paris) 1:659-64, Apr 69 (Fre)
[Sulpiride and psychoses. Apropos of 112 cases] Sutter JM, et al.
Ann Med Psychol (Paris) 1:102-12, Jan 71 (Fre)
[Clinical study of oxypertine in chronic schizophrenic psychoses] Alapin B.
Encephale 60:165-70, Mar-Apr 71 (Fre)
[Controlled trial of perphenazine in the treatment of chronic schizophrenias] Sutter JM, et al.
Encephale 60:136-64, Mar-Apr 71 (Fre)
[Trial of dogmatil in 40 schizophrenic patients refractory till now to all therapies] Vaneecloo M, et al.
Evol Psychiatr (Paris) 36:179-91, Jan-Mar 71 (Fre)
[Evaluation of the hypnotic properties of promethazine in chronic schizophrenics] Massac CH, et al.
Int Z Klin Pharmakol Ther Toxikol 4:251-9, Feb 71 (Fre)
[Effects of thioproperazine on the urinary excretion and concentration in the cerebrospinal fluid of 5-hydroxyindoleacetic acid in chronic schizophrenia] Albert JM, et al. Laval Med 42:167-71, Feb 71 (Fre)
[Comparative study of butaperazine and prochlorperazine for schizophrenia in acute phase] Albert JM, et al. Union Med Can 99:1282-5, Jul 70 (Fre)
[Information-statistical studies on the structure of simple response sequences in endogenous psychoses] Axmacher I, et al.
Arzneim Forsch 20:919-21, Jul 70 (Ger)
[Time relationship between the appearance of persisting extrapyramidal hyperkineses and psychotic recurrences following sudden interruption of prolonged neuroleptic therapy of chronic schizophrenic patients] Degkwitz R, et al.
Arzneim Forsch 20:890-3, Jul 70 (Ger)
[Clinical and ambulatory experiences with fluphenazine decanoate lyogen depot in prolonged therapy of psychiatric disorders] Moldenhauer B.
Med Welt 25:1150-4, 20 Jun 70 (Ger)
[Clomacran-phosphate against schizophrenia] Simpson GM. Munch Med Wochenschr 42:3, 16 Oct 70 (Ger)
[Experience with oxypertin in the treatment of various psychopathologic syndromes and its positive effect on the course of schizophrenia] Meyendorf R.
Nervenarzt 42:319-23, Jun 71 (Ger)
[Experiences with depot form flupenthixol] Bruck J, et al. Wien Med Wochenschr 121:110-2, 13 Feb 71 (Ger)
[The effects of adrenergic blocking agents on psychotic patients] Atsmon A, et al.
Harefuah 79:20-1, 1 Jul 70 (Heb)
[Electrocardiographic findings during treatment with a phenothiazine derivative] Guarraggi A, et al.
Minerva Cardioangiol 18:302-10, May 70 (Ita)
[Chemico-clinical evaluation of Gabob in schizophrenic patients] Colucci D'Amato F.
Osp Psichiatr 38:377-81, Jul-Sep 70 (Ita)
[Flupenthixol in the treatment of chronic schizophrenia] Arnone A, et al.
Riv Sper Freniatr 94:351-74, 30 Apr 70 (Ita)
[Improvement and cure of schizophrenia: clinical methods and diagnostic criteria] Vella G, et al.
Riv Sper Freniatr 93:403-41, 30 Apr 69 (Ita)
[Cholinesterase activity in erythrocytes and blood plasma in schizophrenic patients treated with dimethyloaminoethanolic esters] Bukowczyk A, et al.
Psychiatr Pol 5:257-62, May-Jun 71 (Pol)
[Correlation between disturbances of tryptophan metabolism induced by methionine and nialamide administration and changes of the mental state in chronic schizophrenic patients] Jus A, et al.
Psychiatr Pol 4:365-71, Jul-Aug 70 (Pol)
[Level of free and bound chlorpromazine fractions in the blood and urine during chlorpromazine treatment] Nurowska K, et al.
Psychiatr Pol 4:435-42, Jul-Aug 70 (Pol)
[Flupentixol (Fluanxol) in the treatment of apathic syndromes of schizophrenic origin] Strzyżewski W, et al. Psychiatr Pol 5:207-10, 1971 (Pol)
[Thiothixene (navane) in treatment of apathic syndromes of schizophrenic origin] Strzyżewski W, et al. Psychiatr Pol 5:189-92, 1971 (Pol)
[Pimozide--a new butyrophenone derivative in the treatment of schizophrenia] Wasik A, et al.
Psychiatr Pol 4:643-7, Nov-Dec 70 (Pol)
[ECG picture in the course of treatment of schizophrenia with phenothiazine derivatives] Weibel L, et al. Psychiatr Pol 5:49-54, Jan-Feb 71 (Pol)
[Preliminary note on the use of nicotinamide in the treatment of schizophrenia] Magalhães MB.
Resen Clin Cient 38:295-6, Nov-Dec 69 (Por)
[Paroxysmal extrapyramidal syndrome caused by taking neuroleptic drugs] Gurovich IIa, et al.
Klin Med (Mosk) 47:132-7, Sep 69 (Rus)
[Experience with use of the drug Mellaril-retard in the treatment of patients with depressive-delusional and anxious-depressive syndromes] Eryshev OF, et al.
Zh Nevropatol Psikhiatr 70:1055-60, 1970 (Rus)
[Lyogen therapy of outcome states in schizophrenia with catatonic symptoms] Goraklf GD, et al.
Zh Nevropatol Psikhiatr 70:1575-8, 1970 (Rus)
[Transitory exacerbations arising during the course of neuroleptic therapy] Gurovich IIa.
Zh Nevropatol Psikhiatr 70:919-25, 1970 (Rus)
[Therapeutic results and complications in the use of lyogen in long-term schizophrenics] Kutsenok BM, et al. Zh Nevropatol Psikhiatr 70:1578-83, 1970 (Rus)
[Use of lithium salts for prevention of affective attacks] Rumiantseva GM, et al.
Zh Nevropatol Psikhiatr 70:1712-8, 1970 (Rus)
[Appearance of the symptoms of diabetes insipidus during haloperidol treatment] Ryndina MG, et al.
Zh Nevropatol Psikhiatr 70:1382-4, 1970 (Rus)
[Effectiveness of treatment of schizophrenia with vitamin B 12 in combination with insulin] Skal'nyĭ VV.
Zh Nevropatol Psikhiatr 70:1718-21, 1970 (Rus)
[Epilepsy and schizophrenia] Solé Sagarra J.
Arch Neurobiol (Madr) 33:385-96, Oct-Dec 70 (Spa)
[Use of haloperidol in residual schizophrenia and in the paranoid states] Jeri FR.
Rev Neuropsiquiatr 33:114-22, Jun 70 (Spa)
[Clinical research with flupenthixol-depot treatment of chronic schizophrenic psychoses] Enerheim B, et al. Nord Psykiatr Tidsskr 24:239-44, 1970 (Swe)
[Fluphenazine decanoate. A new long-acting phenothiazine] Rimón R, et al.
Nord Psykiatr Tidsskr 24:313-8, 1970 (Swe)

ENZYMOLOGY

Serum pseudocholinesterase activity in schizophrenia. Parveen B, et al. Clin Chim Acta 30:497-500, Nov 70
Serum creatine phosphokinase and aldolase activity in acute schizophrenic patients and their relatives. Meltzer HY, et al. Compr Psychiatry 11:552-8, Nov 70
Epinephrine-cyclizing enzyme in schizophrenic serum. Preliminary report. Altschule MD, et al.
Dis Nerv Syst 32:51-2, Jan 71
Increased activity of creatine phosphokinase and aldolase activity in the acute psychoses: case reports. Meltzer H. J Psychiatr Res 7:249-62, Jul 70
Reduced catechol-O-methyltransferase activity in red blood cells of women with primary affective disorder. Cohn CK, et al. Science 170:1323-4, 18 Dec 70
[The effect of schizophrenic ptient serum on liver and leukocyte enzyme activity in animals] Ibragimova AA.
Zh Nevropatol Psikhiatr 70:581-4, 1970 (Rus)
[Enzyme activity of the cerebrospinal fluid (CSF) in chronic schizophrenic patients] De Castro del Pozo S, et al.
Arch Neurobiol (Madr) 34:219-30, May-Jun 71 (Spa)

ETIOLOGY

A comparison of twin and sibling studies for a developmental theory of schizophrenia. Pollack M, et al.
Acta Genet Med Gemellol (Roma) 19:303-4, Jan-Apr 70
Chronic schizophrenia: clinical and therapeutic issues. Ludwig AM. Am J Psychother 24:380-99, Jul 70
Sociocultural studies of schizophrenia. Dunham HW.
Arch Gen Psychiatry 24:206-14, Mar 71
Perceptual and cognitive resources of family members: contrasts between families of paranoid and nonparanoid schizophrenics and nonschizophrenic psychiatric patients. Reiss D, et al.
Arch Gen Psychiatry 24:121-34, Feb 71
Cognitive dysfunction in childhood and adult psychosis. Lyle JG. Br J Med Psychol 44:53-8, Mar 71
Schizophrenia: initiation and development. Burgh PR.
Br J Psychiatry 118:451-2, Apr 71
A social approach to an understanding of schizophrenic-like reactions. Connor JW.
Int J Soc Psychiatry 16:136-52, Spring 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A note on two theoretical problems with the family process research on the etiology of schizophrenia. Lachenmeyer CW. J Genet Psychol 118:149-50, Mar 71
Schizophrenia: a new research design to study its causes and a new theory. Dreistadt R. J Psychol 77:157-64, Mar 71
An attempt to dramatize the "double-bind" hypothesis of the schizophrenogenic family. Sturm IE. J Psychol 77:55-66, Jan 71
Coeliac disease and schizophrenia. Lancaster-Smith MJ, et al. Lancet 2:1090-1, 21 Nov 70
Dementia and normal-pressure hydrocephalus. Lancet 2:1074, 21 Nov 70
Pellagra and schizophrenia. Hoffer A. Psychosomatics 11:522-5, Sep-Oct 70
[Problem of chronicity of endogenous psychoses] Vencovský E. Cesk Psychiatr 67:65-72, Apr 71 (Cze)
[Causative significance of exogenous factors in the etiology and course of schizophrenia] Panse F. Monatsschr Unfallheilkd 72:49-54, Feb 69 (Ger)
[Problems of schizophrenic-like psychoses in pituitary disorders] Schiffter R. Psychiatr Clin (Basel) 4:82-99, 1971 (Ger)
[Exogenous causes in schizophrenic states] Siegel E, et al. Psychiatr Neurol Med Psychol (Leipz) 22:345-9, Sep 70 (Ger)
[Case of abnormal vasculature of the brain stem presenting a schizophrenic condition] Hayasaki K. Brain Nerve (Tokyo) 22:1319-23, Nov 70 (Jap)
[Pathogenesis of schizophrenia] Khis R. Vestn Akad Med Nauk SSSR 24:57-63, 1969 (Rus)
[The significance of birth order in the development of mental illness] Bespal'ko IG. Zh Nevropatol Psikhiatr 70:1837-41, 1970 (Rus)
[Role of the allergic factor in the development and formation of the clinical picture in schizophrenia and epilepsy] Ravkin IG, et al. Zh Nevropatol Psikhiatr 70:1682-6, 1970 (Rus)
[Aspects of the etiology of schizophrenia] Larson CA. Nord Med 85:165-8, 11 Feb 71 (20 ref.) (Swe)
[Family dynamics and schizophrenia--a methodological study] Malmgren H. Nord Med 84:1168-77, 10 Sep 70 (Swe)

FAMILIAL & GENETIC

Twenty-one psychiatric cases and their MZ cotwins. A thirty years' follow-up. Essen-Möller E. Acta Genet Med Gemellol (Roma) 19:315-7, Jan-Apr 70
The twin-family method in psychiatric genetics illustrated from the investigations of Franz J. Kallmann. Hurst LA. Acta Genet Med Gemellol (Roma) 19:135-9, Jan-Apr 70
Family studies of MZ twins discordant for schizophrenia: neurological findings. Mosher LR, et al. Acta Genet Med Gemellol (Roma) 19:305-6, Jan-Apr 70
A longitudinal study on children of endogenous psychotics. Guareschi-Cazullo A, et al. Acta Paedopsychiatr (Basel) 37:322-6, Nov 70
Mental illness in the biological and adoptive families of adpoted schizophrenics. Kety SS, et al. Am J Psychiatry 128:302-6, Sep 71
A possible genetic factor related to psychosis. Polin W. Am J Psychiatry 128:311-7, Sep 71
The adopted-away offspring of schizophrenics. Rosenthal D, et al. Am J Psychiatry 128:307-11, Sep 71
The psychiatric adjustment of the adopting parents of schizophrenics. Wender PH, et al. Am J Psychiatry 127:1013-8, Feb 71
Fitting of models of incomplete penetrance to family data. Willson SR. Ann Hum Genet 35:99-108, Jul 71
A program of research on heredity in schizophrenia. Rosenthal D. Behav Sci 16:191-201, May 71
The rate of schizophrenia in foster-reared close relatives of schizophrenic index cases. Karlsson JL. Biol Psychiatry 2:285-90, Jul 70
Schizophrenia and XO-XX-XXX mosaicism. Beumont PJ, et al. Br J Psychiatry 118:349-50, Mar 71
Possible biological advantages among schizophrenics' relatives. Carter M, et al. Br J Psychiatry 118:453-60, Apr 71
Psychoses in the offspring of schizophrenic monozygotic twins and their normal co-twins. Fischer M. Br J Psychiatry 118:43-52, Jan 71
The evidence for a birth order factor in schizophrenia. Hinshelwood RD. Br J Psychiatry 117:293-301, Sep 70
Families with identical twins discordant for schizophrenia: some relationships between identification, thinking styles, psychopathology and dominance-submissiveness. Mosher LR, et al. Br J Psychiatry 118:29-42, Jan 71
Thought disorder in the parents of thought disordered schizophrenics. Muntz HJ, et al. Br J Psychiatry 117:707-8, Dec 70
Abnormality on paternal and maternal sides in Chinese schizophrenics. Tsuang MT. Br J Psychiatry 118:211-4, Feb 71
Birth weight and length in schizophrenics personality disorders and their siblings. Woerner MG, et al. Br J Psychiatry 118:461-4, Apr 71
Age of onset in schizophrenia. Larson CA, et al. Hum Hered 20:241-7, 1970
Genetics of schizophrenia. A review. Cox WW. Mo Med 67:808-10, Nov 70
Genetic: environmental interactions in schizophrenia. Kety SS. Trans Stud Coll Physicians Phila 38:124-34, Oct 70
[Biopsychological commentaries] Arnfred AH. Nord Med 84:1629-30, 17 Dec 70 (Dan)
[Clinical and psychologic study of 2 adolescent psychotic univitelline twins] Constantinidis J. Ann Med Psychol (Paris) 127:161-71, Jul 69 (Fre)
[Genetics and schizophrenia] Mendlewicz J, et al. Brux Med 50:287-94, Apr 70 (Fre)
[Combined action of heredity and environment in based on the origin of endogenic psychoses. Review recent twin and adoptive studies] Scharfetter C. Dtsch Med Wochenschr 96:1311-3, 6 Aug 71 (75 ref.) (Ger)
[A contribution to the study of schizophrenia in twins] Braconi L. Acta Genet Med Gemellol (Roma) 19:327-30, Jan-Apr 70 (Ita)
[On the genetics of schizophrenia. I. Retrospective studies] Serra A, et al. Arch Psicol Neurol Psichiatr 31:417-49, Sep-Oct 70 (Ita)
[On the genetics of schizophrenia. II. Perspectives] Serra A, et al. Arch Psicol Neurol Psichiatr 31:494-513, Nov-Dec 70 (Ita)
[Retinopathy pigmentosa and paranoid syndrome. (On a case)] Ridolo P, et al. Riv Sper Freniatr 94:1580-4, 3 Dec 70 (Ita)
[Family history of pathology and the course of schizophrenia] Gerard K, et al. Psychiatr Pol 5:79-84, Jan-Feb 71 (Pol)
[Problem of heredity and cytogenetic studies in schizophrenia] Slowik S. Psychiatr Pol 5:85-90, Jan-Feb 71 (25 ref.) (Pol)
[The role of hereditary factors in the occurrence of immunopathologic phenomena in schizophrenia] Koliaskina GI, et al. Zh Nevropatol Psikhiatr 71:245-8, 1971 (Rus)

HISTORY

[The personality of the physician and the development of the course of the disease in the Schreber case (Paul Flechsig)] (Schreber P), (Flechsig P), Rajka T. Orv Hetil 112:1143-8, 16 May 71 (Hun)

IMMUNOLOGY

A study of the immunologic and allergic responsiveness of chronic schizophrenics. Hussar AE, et al. Br J Psychiatry 118:91-2, Jan 71
[Immunity and mental disease. On immediate and delayed cutaneous reaction to a series of antigens of different types] Certcov D. Ann Med Psychol (Paris) 1:733-42, May 69 (Fre)
[Immunity and mental disease. On immediate and delayed cutaneous reaction to a series of antigens of different types] Certcov D. Ann Med Psychol (Paris) 127:733-42, May 69 (Fre)
[Pathogenesis of schizophrenia] Khis R. Vestn Akad Med Nauk SSSR 24:57-63, 1969 (Rus)
[Autoimmune processes in neuropsychic diseases] Semenov SF. Vestn Akad Med Nauk SSSR 26:78-81, 1971 (Rus)
[The succession if immunization of schizophrenic patients by brain antigens during periods of exacerbation of the schizophrenic process] Glebov VS. Zh Nevropatol Psikhiatr 70:596-600, 1970 (Rus)
[Various aspects of a study of the immunologic reactivity of patients with schizophrenia and other neuro-psychiatric diseases] Makeev GA. Zh Nevropatol Psikhiatr 70:891-6, 1970 (Rus)
[A study of different types of antibodies to DNA in patients with epilepsy and schizophrenia and in normal subjects] Semenov SF, et al. Zh Nevropatol Psikhiatr 71:248-53, 1971 (Rus)

METABOLISM

Disturbances of porphyrin metabolism in schizophrenia. Huszák I, et al. Acta Physiol Acad Sci Hung 38:77-84, 1970
The positive correlation between insulin resistance and duration of hospitalization in untreated schizophrenia. Schimmelbusch WH, et al. Br J Psychiatry 118:429-36, Apr 71
Decarboxylation of radioactive DOPA by erythrocytes in schizophrenia. Tran N, et al. Br J Psychiatry 118:465-6, Apr 71
Effect of thioproperazine on 5-HIAA content in urine and cerebrospinal fluid of chronic schizophrenic patients. Albert JM, et al. Dis Nerv Syst 31:Suppl:140-4, Nov 70
Hysteria and schizophrenia. Saavedra JM. Lancet 2:1090, 21 Nov 70
Comparative behavioral and biochemical effects of tranylcypromine and cysteine on normal controls and schizophrenic patients. Narasimhachari N, et al. Life Sci [I] 9:1021-32, 15 Sep 70
Biochemical research in schizophrenia. Boulton AA. Nature (Lond) 231:22-8, 7 May 71 (191 ref.)
Biogenic amines and schizophrenia. Fischer E. Psychosomatics 11:495, Sep-Oct 70
Schizophrenia--new concepts. Gottlieb JS, et al. South Med J 64:743-9, Jun 71
[The biochemistry of mental disorders] Huttunen MO. Duodecim 86:1409-26, 1970 (Fin)
[Effects of thioproperazine on dopamine and noradrenaline metabolism in chronic schizophrenia] Panisset VC, et al. Laval Med 41:917-22, Sep 70 (Fre)
[Tryptophan and its metabolism in schizophrenia] Szafranek J, et al. Psychiatr Pol 4:585-8, 1970 (40 ref.) (Pol)
[Methylation of biogenic amines in schizophrenia] Trzebiatowska-Trzeciak O, et al. Psychiatr Pol 4:671-6, Nov-Dec 70 (39 ref.) (Pol)
[Serum and urine amino acid concentration in patients with functional psychoses of old age] Vorb'eva AD, et al. Zh Nevropatol Psikhiatr 71:416-22, 1971 (Rus)

MORTALITY

Cause of death in schizophrenia. Dynes JB. Behav Neuropsychiatry 1:12-4, May 69

OCCURRENCE

Schizophrenia in the NAS-NRC panel of 15,909 veteran twin pairs. Hoeffer A, et al. Arch Gen Psychiatry 23:469-77, Nov 70
Schizophrenia and season of birth. James WH. Br J Psychiatry 119:229-30, Aug 71
The chronicity of schizophrenia in indigenous tropical peoples. Results of a twelve-year follow-up survey in Mauritius. Murphy HB, et al. Br J Psychiatry 118:489-97, May 71
Marital status and schizophrenia: a study of incidence and outcome. Turner RJ, et al. J Abnorm Psychol 76:110-6, Aug 70
Birth order of psychiatric patients. Barry H 3d, et al. Nature (Lond) 231:57, 7 May 71
Birth rank and schizophrenia. Hare EH, et al. Nature (Lond) 228:1223-4, 19 Dec 70
[On the existence of insular pathology. An essay on geographic psychiatry] Jeanneau A, et al. Ann Med Psychol (Paris) 1:804-10, May 69 (Fre)
[On the existence of insular pathology. An essay on geographic psychiatry] Jeanneau A, et al. Ann Med Psychol (Paris) 127:804-10, May 69 (Fre)
[Mental disorders in the aged and the considerations on the problem of late shizophrenia] Sugimoto N, et al. Folia Psychiatr Neurol Jap 24:23-36, 1970 (Ger)
[The role of the district physician in the social psychiatric management of mental cases, with special reference to schizophrenia] Szirtes G. Orv Hetil 111:2670-2, 8 Nov 70 (Hun)
[Preliminary report of a study on age at onset of schizophrenia] Murakami K. Bull Seishin Igaku Inst 17:105-10, 1970 (Jap)

PHYSIOPATHOLOGY

Psychophysiological variability: repeated measurement design on a schizophrenic population. Brudick JA. Act Nerv Super (Praha) 13:36-42, 1971
Auditory evoked response, EEG, and thought process in schizophrenics. Saletu B, et al. Am J Psychiatry 128:336-44, Sep 71
Adaptation to altered visual-proprioceptive input in normals and schizophrenics. Ebner E, et al. Arch Gen Psychiatry 24:367-71, Apr 71
Identical twins discordant for schizophrenia. Neurologic findings. Mosher LR, et al. Arch Gen Psychiatry 24:422-30, May 71
Effects of flickering light on the electroencephalogram of schizo- phrenics. Barnes TC, et al. Behav Neuropsychiatry 2:25-30, Oct-Nov 70
Electrophysiological studies on the brain. Effects of nucleotide and tryptophan metabolites as modified by polyamines in normal and psychotic subjects. Cowen MA. Dis Nerv Syst 31:772-80, Nov 70
Auditory evoked potential variability in schizophrenia. Callaway E 3d, et al. Electroencephalogr Clin Neurophysiol 29:421-8, Nov 70
Auditory evoked potential variability in schizophrenia. II. The application of discriminant analysis. Donchin E, et al. Electroencephalogr Clin Neurophysiol 29:429-40, Nov 70
The Kornhuber and Deecke phenomenon in schizophrenics and borderline cases. Timsit M. Electroencephalogr Clin Neurophysiol 29:535, Nov 70
Visual evoked responses in normal and psychiatric subjects. Vasconetto C, et al. Electroencephalogr Clin Neurophysiol 31:77-83, Jul 71
Cineradiographic evaluation of the swallowing act in schizophrenic patients. Bragg DG, et al. Gastroenterology 60:299-304, Feb 71
Relationship between levels of arousal and responsiveness among schizophrenic and normal subjects. Thayer J, et al. J Abnorm Psychol 77:162-73, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The electromyographic study of verval hallucination. Inouye T, et al. J Nerv Ment Dis 151:415-22, Dec 70
The neurophysiology of schizophrenia. Field dependency and electroencephalogram (EEG) responses to perceptual deprivation. Marjerrison G, et al. J Nerv Ment Dis 152:390-5, Jun 71
The relationship of alpha activity to attentional sets in schizophrenia. Nideffer RM, et al. J Nerv Ment Dis 152:346-52, May 71
A longitudinal investigation of adrenocortical function in acute schizophrenia. Wohlberg GW, et al. J Nerv Ment Dis 151:245-65, Oct 70
Studies on the pulse wave velocity in young adult schizophrenics. Dobrzański T, et al. Pol Med J 10:239-42; 1971
Psychological factors relating to activation and inhibition of the adrenocortical stress response in man: a review. Sachar EJ. Progr Brain Res 32:316-24, 1970 (11 ref.)
Sensory deprivation and EEG in normal subjects and in depressive and schizophrenic patients with special reference to the level of consciousness. Okuyama Y. Tohoku J Exp Med 102:209-23, Nov 70
[Various neurophysiologic problems in schizophrenia] Jus A, et al. Cesk Psychiatr 66:267-70, Oct 70 (Cze)
[Basic research in schizophrenia] Faurbye A. Ugeskr Laeger 133:1350-3, 16 Jul 71 (Dan)
[Kornhuber's phenomenon in schizophrenics and borderline cases] Timsit M. Rev Neurol (Paris) 122:449-51, Jun 70 (Fre)
[The peculiar odor of schizophrenics] Melançon SB. Union Med Can 99:1445-6, Aug 70 (Fre)
[Study of visually evoked potentials and of the cortical recovery cycle in a pair of monochorionic twins with schizophrenic psychosis] Amabile GA, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:845-51, 1968 (Ita)
[Histochemical study on melanic pigments in the central nervous system in schizophrenic patients] Cristofori E, et al. Atti Accad Med Lomb 23:79-81, Jan-Mar 68 (Ita)
[Notes on the morphological characteristics of the EEG sleep patterns in schizophrenic patients (use of data furnished by frequency analysis)] Bertolini M, et al. Rass Neuropsichiatr 22:169-76, Apr-Jun 68 (Ita)
[On acoustic evoked potential during sleep in psychotic patients] Bertolini M, et al. Riv Neurol 39:492-503, Sep-Oct 69 (Ita)
[A longitudinal study of visual evoked responses in schizophrenia] Shirakawa T. Psychiatr Neurol Jap 72:966-82, Oct 70 (Jap)
[Current status of biochemistry of schizophrenia--endocrine disease] Paiva LM de. Resen Clin Cient 36:197-202 concl, Sep-Oct 67 (Por)
[Significance of some parameters of the auto- and cross correlation functions of the EEG for characterizing the functional condition of the CNS in schizophrenia] Titaeva MA, et al. Nov Med Priborostr 1:90-9, 1969 (Rus)
[The state of the sympathetic-adrenal system in patients with chronic psychoses undergoing rehabilitative therapy (according to findings from a catecholamine study)] Efimenko VL, et al. Zh Nevropatol Psikhiatr 71:447-53, 1971 (Rus)
[Comparative characteristics of changes in the evoked potentials of the brain in patients with various forms of schizophrenia] Kirpichenko AA. Zh Nevropatol Psikhiatr 70:870-3, 1970 (Rus)
[The structure of the functional relations between the evoked electrical activity of the parietal and occipital regions of the brains of healthy humans and schizophrenics] Monakhov KK, et al. Zh Nevropatol Psikhiatr 70:864-70, 1970 (Rus)
[A benign variant of attack-like schizophrenia] Rumiantseva GM. Zh Nevropatol Psikhiatr 70:1235-42, 1970 (Rus)

REHABILITATION

Psychiatric epidemiology and drug addiction among young people. Acta Psychiatr Scand [Suppl] 217:43-8, 1970
Work-flow influences on the interaction of schizophrenics. Lubow BK. Arch Gen Psychiatry 25:155-60, Aug 71
Release of the chronic psychiatric patient. Clayton WH. Ment Hyg 54:407-10, Jul 70
We need sheltered workshops for former metal patients. Cristol AH. Ment Hyg 54:444-6, Jul 70
Recovery, Inc.: aid in the transition from hospital to community. Lee DT. Ment Hyg 55:194-8, Apr 71
[On the structure of achievement in chronic endogenous psychoses] Blankenburg W. Nervenarzt 41:577-87, Dec 70 (Ger)
[Follow-up and social psychiatric studies in schizophrenics] Gross G, et al. Nervenarzt 42:292-9, Jun 71 (Ger)
[Psychiatric experiences made in the rehabilitation departments of the private hospital of Christophsbad] Krauss P. Nervenarzt 42:130-9, Mar 71 (Ger)
[Experiences with the foster home care of chronic mentally ill] Luxenburger O. Nervenarzt 41:594-9, Dec 70 (Ger)

SURGERY

Stereotaxic amygdalotomy and basofrontal tractotomy in psychotics with aggressive behaviour. Vaernet K, et al. J Neurol Neurosurg Psychiatry 33:858-63, Dec 70

THERAPY

Some effects of isometric exercise on muscular strength, body-image perception, and psychiatric symptomatology in chronic schizophrenics. Smith WC, et al. Am Correct Ther J 24:100-4, Jul-Aug 70
Reduction in hospitalization of schizophrenics. Claghorn JL, et al. Am J Psychiatry 128:344-7, Sep 71
The therapy of adolescent schizophrenia. Katz P. Am J Psychiatry 127:132-7, Aug 70
Cost efficiency of treatments for the schizophrenic patient. May PR. Am J Psychiatry 127:1382-5, Apr 71
Cost-efficiency of mental health care. 3. Treatment method as a parameter of cost in the treatment of schizophrenia. May PR. Am J Public Health 61:127-9, Jan 71
Cost-effectiveness of mental health care. II. Sex as a parameter of cost in the treatment of schizophrenia. May PR. Am J Public Health 60:2269-72, Dec 70
Brief hospitalizaion and aftercare in the treatment of schizophrenia. Caffey EM Jr, et al. Arch Gen Psychiatry 24:81-6, Jan 71
A token economy program evaluation with untreated control ward comparisons. Gripp RF, et al. Behav Res Ther 9:137-49, May 71
The introjection of and identification with the therapist as an ego-building aspect in the treatment of schizophrenia. Volkan V. Br J Med Psychol 41:369-80, Dec 68
The effect of unilateral E.C.T. on schizophrenic delusions and hallucinations. el-Islam MF, et al. Br J Psychiatry 117:447-8, Oct 70
The response of chronic schizophrenics to attention and structure. Ludwig AM, et al. Br J Psychiatry 118:447-50, Apr 71
Methodological problems in psychotherapy research: observations on the Karon-VandenBos study of psychotherapy and drugs in schizophrenia. May PR, et al. Br J Psychiatry 117:569-70, Nov 70
A therapeutic club for schizophrenic adolescents. Aleksandrowicz DR, et al. Bull Menninger Clin 35:199-202, May 71
The glass wall. Horne JB. Bull Menninger Clin 35:125-7, Mar 71
Companion therapy for hospitalized psychotics. Ludwig AM, et al. Curr Psychiatr Ther 10:182-90, 1970
Group preparation for discharge and group placement of chronically hospitalized schizophrenic patients. Becker RE. Dis Nerv Syst 32:176-80, Mar 71
Treatment of psychic masochism in schizophrenic patients. Perison P, et al. Dis Nerv Syst 31:Suppl:122-9, Nov 70
Alumni group therapy for chronic schizophrenic outpatients. Craig RJ. Hosp Community Psychiatry 22:204-5, Jul 71
Brief aftercare on an inpatient ward. Crary WG, et al. Hosp Community Psychiatry 22:244-5, Aug 71
The plight of schizophrenics in modern treatment programs. Hogarty GE. Hosp Community Psychiatry 22:197-203, Jul 71
Psychoanalytic technique in the treatment of certain characterological and schizophrenic disorders. Boyer LB. Int J Psychoanal 52:67-85, 1971
Subprofessional therapists' use of reinforcement versus traditional psychotherapeutic techniques with schizophrenics. Hartlage LC. J Consult Clin Psychol 34:181-3, Apr 70
Effects of client-centered psychotherapy with schizophrenic patients: nine years pretherapy and nine years posttherapy hospitalization. Truax CB. J Consult Clin Psychol 35:417-22, Dec 70
Self-administered aversive stimulation with hallucinating hospitalized schizophrenics. Weingaertner AH. J Consult Clin Psychol 36:422-9, Jun 71
Chronic schizophrenics as behavioral engineers. Ludwig AM, et al. J Nerv Ment Dis 152:31-44, Jan 71
The prediction of rehospitalization: the relationship between age of first psychiatric treatment contact, marital status and premorbid asocial adjustment. Rosen B, et al. J Nerv Ment Dis 152:17-22, Jan 71
On the relationship between self-object differentiation, symbiotic experiences and pathology reduction in schizophrenia. Silverman LH, et al. J Nerv Ment Dis 152:118-28, Feb 71
Application of projective tests to psychotherapy: a case study. Aronow E, et al. J Pers Assess 35:379-93, Aug 71
Pathogenesis: a new therapist personality dimension related to therapeutic effectiveness. Vandenbos GR, et al. J Pers Assess 35:252-60, Jun 71
Prediction by multiple regression how many variables to enter? Forsythe AB, et al. J Psychiatr Res 8:119-26, Jun 71
Why psychotherapy for schizophrenics? A reply to Monica Frost. Bradbury A. Nurs Times 67:588-9, 13 May 71
Schizophrenia and psychotherapy. Frost M. Nurs Times 67:297-8, 11 Mar 71
Addiction induction--will it be tested? Levinson P. Perspect Biol Med 14:671-4, 1971
The "active leader" in group therapy for chronic schizophrenic patients. Frost BE. Perspect Psychiatr Care 8:268-72, 1970
A token economy program for schizophrenic patients. Kent E. Perspect Psychiatr Care 8:174-85, Jul-Aug 70
Management of schizophrenia in the Veterans Administration. Blumenthal IJ. Psychosomatics 12:61-8, Jan-Feb 71
Chronic schizophrenia and the medical culture. Foudraine J. Psychother Psychosom 17:133-52, 1969
A study of the attitude of Japanese families of schizophrenics toward their ill members. Sakamoto Y. Psychother Psychosom 17:365-74, 1969
The management of white certified schizophrenic patients in the community of the Witwatersrand. Pearlman T. S Afr Med J 44:1181-2, 17 Oct 70
[Share of balneopsychiatric procedures in the therapy of schizophrenic and depressive psychoses in remission. (Summary of an academic dissertation)] Ambrus O. Cesk Psychiatr 66:364-5, Dec 70 (Cze)
[Treatment of schizophrenia] Kirk L, et al. Ugeskr Laeger 133:1353-5, 16 Jul 71 (Dan)
[Insulinotherapy and schizophrenia] Luyssaert W, et al. Acta Neurol Belg 69:315-35, May 69 (Fre)
[An experiemtnal study in psychopathology: extinction of a free operating conditioning] Agathon M. Encephale 60:81-93, Jan-Feb 71 (Fre)
[Modification of memory disturbances after electroshock with centrophenoxine] Vojtěchovský M. Arzneim Forsch 20:882-4, Jul 70 (Ger)
[Is the long term care of schizophrenic patients necessary?] Müller P. Nervenarzt 42:393-6, Aug 71 (95 ref.) (Ger)
[Transfer free relation in a psychoanalytic situation] Greenson RR, et al. Psyche (Stuttg) 25:206-30, Mar 71 (Ger)
[Dances in the therapy of schizophrenics. Relation between mannerism and schizophrenic mannerism] Blankenburg W. Psychother Psychosom 17:336-42, 1969 (Ger)
[Catmnesis of the existential analytical therapy in a case of beginning schizophrenia] Bodenheimer J. Ther Umsch 27:810-3, Dec 70 (Ger)
[Clinico-psychological findings in schizophrenic patients treated with insulin shock therapy] Zito M, et al. Osp Psichiatr 38:301-32, Jul-Sep 70 (Ita)
[Follow-up study of the outpatients of the Psychiatric Department of Konodai National Hospital--from the viewpoint of community psychiatric treatment] Ishikawa T, et al. Iryo 25:103-10, Feb 71 (Jap)
[Treatment of schizophrenized depressive states based on our personal clinical studies] Bilikiewicz A, et al. Psychiatr Pol 4:443-8, Jul-Aug 70 (Pol)
[Music as an additional therapeutic factor in the treatment of schizophrenic patients] Janicki A. Psychiatr Pol 5:183-8, 1971 (Pol)
[Music therapy in the psychiatric ward] Szelenberger W. Psychiatr Pol 5:69-72, Jan-Feb 71 (Pol)
[A therapeutic pathomorphosis of schizophrenia proceeding with paranoid disorders] Ozola MIa. Zh Nevropatol Psikhiatr 70:600-5, 1970 (Rus)
[Reactions to changes in the vocational situation during schizophrenuc renussuibs (clinico-biologic studies)] Vovin RIa, et al. Zh Nevropatol Psikhiatr 71:262-8, 1971 (Rus)
[Epontol in electroconvulsive therapy] Beckman M, et al. Nord Med 85:202-5, 18 Feb 71 (Swe)

URINE

Some observations concerning the "pink spot" reacting substances in urine. Watt JA, et al. Acta Psychiatr Scand 46:374-90, 1970
3,4-DMPEA and schizophrenia. Abrams R, et al. Am J Psychiatry 127:1421, Apr 71
The "pink spot," 3,4-dimethoxyphenylethylamine, common tea, and schizophrenia. Stabenau JR, et al. Am J Psychiatry 127:611-6, Nov 70
Recent investigations of a possible dysmetabolic-endotoxic origin of schizophrenia. Fischer E. Behav Neuropsychiatry 1:27-9, Aug 69
Studies on the elimination of bufotenin in urine. Sireix DW, et al. Behav Neuropsychiatry 1:29-31, Aug 69
Laboratory and animal studies on the chemistry of bufotenin. Quantitative determination on bufotenin in human urine. Spatz H, et al. Behav Neuropsychiatry 1:25-7, Aug 69
Inhibition and activation of caeruloplasmin by extracts from the urine of schizophrenic patients. Barrass BC, et al. Biochem Pharmacol 19:1675-9, May 70
Studies on urinary elimination of bufotenine-like substances in schizophrenia. Fischer E, et al. Biol Psychiatry 2:235-40, Jul 70
Androgen excretion and physique in schizophrenia. Brooksbank BW, et al. Br J Psychiatry 117:413-20, Oct 70
Detection of psychotomimetic N,N-dimethylated indoleamines in the urine of four schizophrenic patients. Tanimukai H, et al. Br J Psychiatry 117:421-30, Oct 70
Acetic and benzoic acids in the urine of patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chronic schizophrenia. Perry TL, et al. Clin Chim Acta 31:181-6, Jan 71
Non-specificity of the "gray" spot (indole derivative) in the urine of schizophrenics. Keup W, et al. Dis Nerv Syst 31:476-8, Jul 70
Investigations on urinary excretion of 3,4 dimethoxyphenylethylamine (the pink spot), the Mauve factor and aromatic compounds in patients with schizophrenia. Rao BS, et al. Indian J Med Res 59:455-60, Mar 71
The psychophysiology of cancer. Hoffer A. J Asthma Res 8:61-76, Dec 70 (57 ref.)
"Pink spot" and its components in normal and schizophrenic urine. Siegel M, et al. J Nerv Ment Dis 152:412-26, Jun 71
Reaction time and normetanephrine-metanephrine excretion under intense stimulation in chronic schizophrenics, non-psychotics, and normals. Duke MP. Percept Mot Skills 32:579-86, Apr 71
[Presence of N-methylated and N-acetylated indolamines in urine from patients with schizophrenia and from normal individuals] Faurbye A, et al. Ugeskr Laeger 133:1356-8, 16 Jul 71 (Dan)
[Detection of urinary catabolites possibly characteristic of schizophrenia] Michaux R. Pathol Biol (Paris) 16:731-4, Aug-Sep 68 (Fre)
[N,N-dimethyltryptamine and bufotenin in the urine of patients with chronic and acute schizophrenic psychoses] Rosengarten H, et al. Psychiatr Pol 4:519-21, 1970 (Pol)

SCHIZOPHRENIA, CHILDHOOD (F2)

The role of affect in the structure of schizophrenic psychosis of childhood. Szekely GA. Acta Paedopsychiatr (Basel) 36:355-62, Dec 69
Schizophrenia in infancy, childhood, and adolescence. Chan JC, et al. Am J Dis Child 121:538-42, Jun 71 (49 ref.)
Object concept in deviant children. Serafica FC. Am J Orthopsychiatry 41:473-82, Apr 71
Childhood schizophrenia or vectoriasis praecocissima. Wolman BB. Am J Psychother 24:264-77, Apr 70
Aspects of the object relationships and developing skills of a 'mechanical boy'. Volkan VD, et al. Br J Med Psychol 44:101-16, Jun 71
Comparative study of nailfold capillary structure in adult and childhood schizophrenia. Sendi SB, et al. Dis Nerv Syst 31:Suppl:14-9, Nov 70
The effects of object loss on the body image of schizophrenic girls. Green AH. J Am Acad Child Psychiatry 9:532-47, Jul 70
Lateral preference and right-left awareness in schizophrenic children. Walker HA, et al. J Nerv Ment Dis 151:341-51, Nov 70
Stability of WISC scores of children hospitalized for emotional disturbance. Tigay B, et al. Percept Mot Skills 32:487-90, Apr 71
Clinical work with the parents of psychotic children. Tischler S. Psychiatr Neurol Neurochir 74:225-49, May-Jun 70
[Childhood psychosis and infantile autism] Beeckmans-Balle M. Acta Paediatr Belg 24:301-8, 1970 (Fre)
[The concept of infantile psychosis] Henny R. Praxis 59:1130-5, 4 Aug 70 (Fre)
[In defiance of nosology] Koupernik C. Rev Neuropsychiatr Infant Suppl:5-8, 1968 (Fre)
[Self-image manifestations in drawings of schizophrenic children] Yahalom I, et al. Psyche (Stuttg) 25:616-34, Aug 71 (Ger)
[Psychiatric analysis of drawings and paintings of schizophrenic children and adolescents] Tyszkiewicz M. Psychiatr Pol 4:475-80, Jul-Aug 70 (Pol)
[The autistic syndrome in children (survey of literature)] Bashina VM, et al. Zh Nevropatol Psikhiatr 70:941-7, 1970 (84 ref.) (Rus)
[Schizophrenia--an identity crisis] Wrangsjö B. Lakartidningen 68:2138-44, 28 Apr 71 (Swe)

BLOOD

Biogenic amine uptake by blood platelets and RBC in childhood scizophrenia. Sankar DV. Acta Paedopsychiatr (Basel) 37:174-82, Nov 70
Studies on erythrocyte magnesium and potassium levels in childhood schizophrenia and growth. Saladino CF Jr, et al. Behav Neuropsychiatry 1:24-8, Apr 69
Studies on blood platelets, blood enzymes, and leucocyte chromosome breakage in childhood schizophrenia. Sankar DV. Behav Neuropsychiatry 2:2-10, Feb-Mar 71
Biological studies in childhood schizophrenia: serotonin uptake by platelets. Lucas AR, et al. Biol Psychiatry 3:123-8, 1971
[Significance of studying sialic acid in the cerebrospinal fluid and blood serum in childhood schizophrenia] Zal'tsman EG. Zh Nevropatol Psikhiatr 70:1521-3, 1970 (Rus)

CEREBROSPINAL FLUID

[Significance of studying sialic acid in the cerebrospinal fluid and blood serum in childhood schizophrenia] Zal'tsman EG. Zh Nevropatol Psikhiatr 70:1521-3, 1970 (Rus)

COMPLICATIONS

Chromosome breakage in infantile autism. Sankar DV. Dev Med Child Neurol 12:572-5, Oct 70
Lateral preference and right-left awareness in schizophrenic children. Walker HA, et al. J Nerv Ment Dis 151:341-51, Nov 70

DIAGNOSIS

Schizophreniform psychosis of childhood. Jordan K, et al. Am J Psychiatry 128:323-31, Sep 71
A follow-up of 65 adolescent schizophrenia patients. King LJ, et al. Dis Nerv Syst 32:328-34, May 71
[Like two peas in a pod] Krevelen DA van. Ned Tijdschr Geneeskd 114:1645-8, 3 Oct 70 (Dut)
[Results of psychological studies on childhood schizophrenia] Dober B, et al. Psychiatr Neurol Med Psychol (Leipz) 23:65-71, Feb 71 (Ger)
[Types of dysontogenesis in schizophrenic children] Iur'eva OP. Zh Nevropatol Psikhiatr 70:1229-35, 1970 (Rus)
[Clinical features of shiftlike-progressive schizophrenia in children] Kalugina IO. Zh Nevropatol Psikhiatr 70:1528-32, 1970 (Rus)
[Clinical characteristics of attacks in paroxysmal schizophrenia in childhood] Kalugina IO. Zh Nevropatol Psikhiatr 71:132-7, 1971 (Rus)
[Some differences in speech disorders in schizophrenia and motor alalia in children of preschool age] Mastiukova EM. Zh Nevropatol Psikhiatr 70:1523-8, 1970 (Rus)
[Determination of the prognosis of juvenile continuous schizophrenia using mathematical analysis] Tsutsul'kovskaia MIa, et al. Zh Nevropatol Psikhiatr 70:1694-701, 1970 (Rus)
[Childhood psychoses. Problems of differential diagnosis with encephalitic psychoses] Barcia D, et al. Actas Luso Esp Neurol Psiquiatr 29:121-40, Apr 70 (Spa)

DRUG THERAPY

Study of molindone in disturbed preschool children. Campbell M, et al. Curr Ther Res 13:28-33, Jan 71
The psycholytic treatment of a childhood schizophrenic girl. Fisher G. Int J Soc Psychiatry 16:112-30, Spring 70

ETIOLOGY

Prenatal and perinatal complications in childhood schizophrenics and their siblings. Rutt. CN, et al. J Nerv Ment Dis 152:324-31, May 71
Coeliac disease and schizophrenia. Challacombe DN. Lancet 1:89, 9 Jan 71

FAMILIAL & GENETIC

[Clinical observations on children born into families of schizophrenics] Kwiatkowska E. Psychiatr Pol 4:627-32, Nov-Dec 70 (Pol)

PHYSIOPATHOLOGY

Electrodermal and cardiac responses of schizophrenic children to sensory stimuli. Bernal ME, et al. Psychophysiology 7:155-68, Sep 70
[Psychopathology of schizophrenic psychoses in childhood] Hartmann K. Nervenarzt 42:262-7, May 71 (Ger)

THERAPY

The clarifying experience in the psychotherapy of psychotic children. Goldfarb W. Curr Psychiatr Ther 10:52-75, 1970
[The problem of working alliance in psychoanalytic therapy of schizophrenic juveniles in hospitals] Zauner J. Prax Kinderpsychol Kinderpsychiatr 20:113-7, May-Jun 71 (Ger)

URINE

Pink spot in childhood schizophrenia. Widelitz MM, et al. Behav Neuropsychiatry 1:29-30, Apr 69

SCHIZOPHRENIA PARANOID STATE see under PARANOIA (F2)

SCHIZOPHRENIC LANGUAGE (F2)

Verbal ascendancy in process and reactive schizophrenics. Odhner F. Am J Occup Ther 25:7-9, Jan 71
Analysis of psychotic language--a review. Seeman MV. Dis Nerv Syst 31:Suppl:92-9, Nov 70 (61 ref.)
Imitation and echoing in young schizophrenic children. Shapiro T, et al. J Am Acad Child Psychiatry 9:548-67, Jul 70
The stability of chronic schizophrenic speech on a standardized video-tape interview. Dinoff M, et al. J Clin Psychol 27:191-4, Apr 71
Contextual constraint and schizophrenic language. Truscott IP. J Consult Clin Psychol 35:189-94, Oct 70
Interpreting and decoding autistic communication. Cook JC. Perspect Psychiatr Care 9:24-8, 1971
[Parallel linguistic and psychopathological study of some disorders of verbal meaning in a case of initial schizophrenia] Fiume S, et al. G Psichiatr Neuropatol 97:627-54, 1969 (Ita)
[Thought and language in a schizophrenic] Bernardi S. Riv Sper Freniatr 93:1312-27, Dec 69 (Ita)
[The structure of speech in autistic children] Ishikawa T. Psychiatr Neurol Jap 72:1159-74 passim, Dec 70 (Jap)
[Psychiatric and artistic analysis of verbal and artistic expression in chronic schizophrenia] Tyszkiewicz M. Psychiatr Pol 5:161-7, 1971 (Pol)
[Writings of patients in the initial period of schizophrenia] Damian N. Neurol Psihiatr Neurochir 16:87-93, Jan-Feb 71 (Rum)

SCHIZOPHRENIC PSYCHOLOGY (F2)

Auditory evoked response, EEG, and thought process in schizophrenics. Saletu B, et al. Am J Psychiatry 128:336-44, Sep 71
Study of ego functions in the schizophrenic syndrome. Beiliak L, et al. Arch Gen Psychiatry 23:326-36, Oct 70
A parsimonious theory of overinclusive thinking and retardation in schizophrenia. Hawks DV, et al. Br J Med Psychol 44:75-83, Mar 71
Aspects of the object relationships and developing skills of a 'mechanical boy'. Volkan VD, et al. Br J Med Psychol 44:101-16, Jun 71
The effect of varying the elements in the Bannister-Fransella grid test of thought disorder. Williams E. Br J Psychiatry 119:207-12, Aug 71
The non-randomness of attempts at random responses: relationships with personality variables and psychiatric disorders. Ramsay RW, et al. Br J Psychol 59:299-304, Aug 68
Rate of information processing in a schizophrenic and a control group: the effect of increasing task complexity. Slade PD. Br J Soc Clin Psychol 10:152-9, Jun 71
Performance change in schizophrenia. Current research and implications. Streiner DL. Can Psychiatr Assoc J 16:261-4, Jun 71
The delusional process in schizophrenia. Cammer L. Dis Nerv Syst 31:Suppl:117-21, Nov 70
Two measures of overinclusive thinking in schizophrenia: a comparative analysis. Johnson JE, et al. J Abnorm Psychol 77:149-54, Apr 71
Embedded figures performance of schizophrenics as a function of chronicity, premorbid adjustment, diagnosis, and medication. Magaro PA, et al. J Abnorm Psychol 77:184-91, Apr 71
Perceptual span in schizophrenia. Neale JM. J Abnorm Psychol 77:196-204, Apr 71
Affective evaluation in the verbal learning styles of normals and abnormals. Rychlak JF, et al. J Abnorm Psychol 77:247-57, Jun 71
Social schemata in schizophrenic males. Thornton CC, et al. J Abnorm Psychol 77:192-5, Apr 71
Endorsement of Machiavellian attitudes and mental health status. Bogart K, et al. J Clin Psychol 27:315-7, Jul 71
Effects of student visits on social behavior of regressed schizophrenic patients. Spiegel D, et al. J Clin Psychol 27:396-400, Jul 71
Relationships among WAIS subtest scores, patient's premorbid history, and institutionalization. Davis WE, et al. J Consult Clin Psychol 36:400-3, Jun 71
Intellectual deficit in chronic schizophrenia and brain damage. DeWolfe AS, et al. J Consult Clin Psychol 36:197-204, Apr 71
Ability of schizophrenic women to create a favorable or unfavorable impression on an interviewer. Kelly FS, et al. J Consult Clin Psychol 36:404-9, Jun 71
Size estimation in schizophrenic and nonschizophrenic subjects. Kopfstein JH, et al. J Consult Clin Psychol 36:430-5, Jun 71
Features of the manifest dream in schizophrenia. Brenneis CB. J Nerv Ment Dis 153:81-91, Aug 71
On the relationship between self-object differentiation, symbiotic experiences and pathology reduction in schizophrenia. Silverman LH, et al. J Nerv Ment Dis 152:118-28, Feb 71
Overinclusive thinking and schizophrenia. Craig RJ. J Pers Assess 35:208-23, Jun 71
Instructional effects on word association commonality in high and low "schizophrenic" college students. Routh DK. J Pers Assess 35:139-47, Apr 71
Conformity behavior in schizophrenics. Cull J. J Soc Psychol 84:45-9, Jun 71
Sophistication of body concept in process-reactive schizophrenia. Cancro R. Percept Mot Skills 32:567-70, Apr 71
Reaction time and normetanephrine-metanephrine excretion under intense stimulation in chronic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

schizophrenics, non-psychotics, and normals. Duke MP. Percept Mot Skills 32:579-86, Apr 71
Psychopathology and perception of physiques. Miller AR, et al. Percept Mot Skills 32:475-8, Apr 71
Size estimation in schizophrenia: some additional controls. Neale JM, et al. Percept Mot Skills 32:363-7, Apr 71
Differences between correlates of perceptual style and Petrie task performance in chronic and acute schizophrenics. Schooler C, et al. Percept Mot Skills 32:595-601, Apr 71
Schizophrenia: conflict and deficiency. Wexler M. Psychoanal Q 40:83-99, 1971
Effects of content on schizophrenics' ability to process information. Stilson DW, et al. Psychol Rep 28:571-4, Apr 71
[Evaluation of the intelligence of a group of schizophrenics by the test method] Sutter JM, et al. Ann Med Psychol (Paris) 1:321-39, Mar 71 (Fre)
[Trial psychopathologic analysis of Stanislas Ignace Witkiewicz' painting] Kowalewski J. Encephale 60:74-80, Jan-Feb 71 (Fre)
["The Sun". Contribution to the psychopathology of chronic schizophrenia] Marinow A. Encephale 59:335-52, Jul-Aug 70 (Fre)
[Themes and scope of relevance in delusions: thoughts on hebephrenic delusions] Glatzel J. Schweiz Arch Neurol Neurochir Psychiatr 107:321-34, 1970 (Ger)
[Case study on the outer and inner world of schizophrenics] Holfeld H. Z Psychosom Med Psychoanal 17:51-67, Jan-Mar 71 (Ger)
[Inter-modal learning in paranoid schizophrenics] Liggio F. Acta Neurol (Napoli) 25:382-91, May-Jun 70 (Ita)
[Thought and language in a schizophrenic] Bernardi S. Riv Sper Freniatr 93:1312-27, Dec 69 (Ita)
[Perception and schizophrenia] Conforto C, et al. Riv Sper Freniatr 94:1665-9, 3 Dec 70 (Ita)
[Psychological study of the hallucinatory delusional syndrome in the drawings of schizophrenic patients] Enachescu C. Riv Sper Freniatr 93:518-48, 30 Apr 69 (Ita)
[Various aspects of schizophrenic delusions] Giannelli A. Riv Sper Freniatr 95:314-30, 30 Apr 71 (Ita)
[Spontaneous drawings of some schizophrenics as expression of concrete and contemporary elements of their lives] Lastrucci P, et al. Riv Sper Freniatr 94:1414-29, 3 Dec 70 (Ita)
[Improvement and cure of schizophrenia: clinical methods and diagnostic criteria] Vella G, et al. Riv Sper Freniatr 93:403-41, 30 Apr 69 (Ita)
[Writings of patients in the initial period of schizophrenia] Damian N. Neurol Psihiatr Neurochir 16:87-93, Jan-Feb 71 (Rum)
[Types of dysontogenesis in schizophrenic children] Iur'eva OP. Zh Nevropatol Psikhiatr 70:1229-35, 1970 (Rus)
[The results of experimental psychological and pneumoencephalographic studies of patients with periodic schizophrenia] Kaliagin VN, et al. Zh Nevropatol Psikhiatr 70:1842-5, 1970 (Rus)
[A case of being in 2 with simultaneous 2-way autoscopy] Fernández de Córdoba E. Actas Luso Esp Neurol Psiquiatr 29:251-4, Jul 70 (Spa)

SCHLATTER-OSGOOD DISEASE see under

OSTEOCHONDRITIS (C3)

SCHOLARSHIPS see under TRAINING SUPPORT

(H, N3)

SCHOOL DROPOUTS see STUDENT DROPOUTS

(F1, I, N1)

SCHOOL HEALTH (N1)

see also related
SCHOOL NURSING (G2)

A perceptual-motor training program in the public schools. Miner MB. Am J Occup Ther 25:193-8, May-Jun 71
A hospital-based school mental health project. Mumford E, et al. Am J Psychiatry 127:920-4, Jan 71
School feeding from a nutritionist's point of view. Todhunter EN. Am J Public Health 60:2302-6, Dec 70
Visual screen program for school age children. Shaterian ET. Am Orthopt J 21:120-6, 1971
A survey of state certification requirements for public school speech clinicians. Causey LM, et al. ASHA 13:123-9, Mar 71
Organisation in the school Dental Service. Turner G. Br Dent J 131:207-10, 7 Sep 71
Organisation in the school dental service. 2. Local government. Turner G. Br Dent J 131:75-8, 20 Jul 71
Organisation in the School Dental Service. 3. The administration of the Dental Service. Turner G. Br Dent J 131:127-9, 3 Aug 71
School health service. Br Med J 2:121-2, 17 Apr 71
Examining schoolchildren. Br Med J 3:600, 12 Sep 70
Farewell to the truant officer. Couchman R. Can J Public Health 61:544-7, Nov-Dec 70
On the edge of a cliff. Ricks MC. Can Nurse 66:40-4, Dec 70
Benefits from mass evaluation of school children for heart disease (experience with 6,625 children). Cayler GG, et al. Chest 58:349-51, Oct 70
Tuberculin skin testing of children as an effective tool in tuberculosis casefinding. Curry FJ. Chest 59:590, Jun 71
Comments on logistics of chemoprophylaxis of tuberculosis. Edwards PQ. Chest 59:589, Jun 71
Tuberculosis casefinding by tuberculin testing among various age children with a discussion of some theoretical problems. Furcolow ML, et al. Chest 59:618-28, Jun 71
Logistics of chemoprophylaxis of tuberculosis. Katz J, et al. Chest 59:600-5, Jun 71
Logistics of chemoprophylaxis of tuberculosis. Tizes R. Chest 59:697-8, Jun 71
Using sensitivity training with junior high school students. Rueveni U. Children 18:69-72, Mar-Apr 71
The pediatrician in an innovative public school health program. One future focus for pediatrics. McAnarney E, et al. Clin Pediatr (Phila) 10:86-9, Feb 71
Community schools and pediatrics. Philosophy of a collaborative approach to school health. Nader PR, et al. Clin Pediatr (Phila) 10:90-5, Feb 71
Which children in the United States should receive BCG vaccination? Smith DT. Clin Pediatr (Phila) 9:632-4, Nov 70
A community mental health approach to the emotionally and perceptually handicapped in the public schools. Gold L. Conn Med 35:155-60, Mar 71
Nutritional status of primary school pupils in Baltimore. Saratsiotis JB, et al. HSMHA Health Rep 86:303-6, Apr 71
A study on health of primary urban school children. Koshi ET, et al. Indian J Med Res 58:1742-52, Dec 70
A study of the health status of adolescent school girls in an urban area at Almabagh Lucknow. Koshi EP, et al. Indian J Med Sci 25:376-83, Jun 71
Some experiences during school health survey. Khanduja PC, et al. Indian J Pediatr 37:612-4, Dec 70
Dietary ascorbic acid intake of Norwegian students. Eeg-Larsen N, et al. Int Z Vitaminforsch 40:546-7, 1970
Dietary surveys on school children and medical students. Ritzel G, et al. Int Z Vitaminforsch 40:548-51, 1970
Smoking, drugs and alcohol in Dublin secondary schools. O'Rourke A, et al. Ir J Med Sci 140:230-41, May 71
Trace minerals in type A school lunches. Murphy EW, et al. J Am Diet Assoc 58:115-22, Feb 71
School phobia--a preliminary report on 57 cases. Fogarty JP. J Ir Med Assoc 64:72-5, 4 Feb 71
A pilot project for improvement of school health services. Bourne IB. J Sch Health 41:288-92, Jun 71
The growing influence of health problems on school health education. Callan LB. J Sch Health 41:137-41, Mar 71
High frequency and regular audiometry among selected groups of high school students. Corliss LM, et al. J Sch Health 40:400-5, Oct 70
A school health program for the children of migrant and seasonal agricultural workers. Progress report 1970. Dougherty SE. J Sch Health 41:115-8, Mar 71
Health assessment of school children. I. Physical examinations. Eisner V, et al. J Sch Health 41:239-42, May 71
Health services under the Elementary and Secondary Education Act. Eisner V. J Sch Health 40:464-6, Nov 70
Health assessment of school children. II. Screening tests. Eisner V, et al. J Sch Health 41:344-6, Sep 71
Comprehensive health planning in the space age: the role of the school health program. Jacobsen RF, et al. J Sch Health 41:156-60, Mar 71
[School buses used in hearing testing programs. Marriner A. J Sch Health 40:416-7, Oct 70
Recent litigations relating to the school health services. Miller DF. J Sch Health 40:526-7, Dec 70
Legal bases for school health practices in Indiana. Miller DF. J Sch Health 40:446-50, Oct 70
A health problems inventory for high school students. O'Daniels PS. J Sch Health 41:266-9, May 71
School feeding program: who should receive what? Paige DM. J Sch Health 41:261-3, May 71
School health in the seventies. A decade aganist disease. Randall HB. J Sch Health 41:125-9, Mar 71
A century of school health in Los Angeles. Rich R. J Sch Health 41:323-8, Jun 71
A computerized school health records system: problems and prospects. Rosner LJ, et al. J Sch Health 41:258-61, May 71
A psycho-educational model for school mental health planning. Rubin EZ. J Sch Health 40:489-93, Nov 70
A study f injuries. Smith V. J Sch Health 41:108, Feb 71
Exploring the possibilities of computerized student health records. Stennett RG, et al. J Sch Health 41:59-64, Feb 71
Child health in a Harlem elementary school. Wethers D, et al. J Sch Health 40:466-72, Nov 70
Emphases and funding for school health research in graduate training institutions. Whaley RF, et al. J Sch Health 40:554-6, Dec 70
Infectious diseases in schools. Smith RE, et al. Lancet 1:1293-4, 19 Jun 71
Extended epidemic of Hodgkin's disease in high-school students. Vianna NJ, et al. Lancet 1:1209-11, 12 Jun 71
High frequency studies in school children in nine countries. Rosen S, et al. Laryngoscope 81:1007-13, Jul 71
Investigation of the health education curriculum in secondary schools in Queensland. Woolcott JF. Med J Aust 1:717-8, 27 Mar 71
Weight and height curves for Malaysian schoolchildren. Chen ST, et al. Med J Malaya 25:99-101, Dec 70
The use of gauze swabs for the detection of sonne dysentery in schools.. Thomas KL. Med Lab Technol 28:146-7, Apr 71
A school mental health program. Crowther P. Ment Hyg 52:400-4, Jul 68
Mental health consultation to schools. Hirschowitz RG. Ment Hyg 55:237-41, Apr 71
The Alaskan native teenager: his health in a boarding school. Dieter RA Jr, et al. Milit Med 135:1038-42, Nov 70
Tuberculin skin testing of Omaha-Douglas County school children. McIntire MS, et al. Nebr State Med J 55:867-70, Nov 70
School teachers as casefinders. Blaser LE, et al. Nurs Outlook 19:460-2, Jul 71
Identification of communication disorders by resident physicians. Schaye GF, et al. NY State J Med 71:1941-2, 15 Aug 71
Preschool auditory screening program. Report from Nassau County. Schell NB. NY State J Med 71:1775-6, 15 Jul 71
Intolerance to lactose in Negro children. Sandberg DH. Pediatrics 46:646, Oct 70
Evaluation of a school for young mothers. The frequency of prematurity among infants born to mothers under 17 years of age, according to the mother's attendance of a special school during pregnancy. Stine OC, et al. Pediatrics 46:581-7, Oct 70
American Academy of Pediatrics Committee on Environmental Hazards. Pediatric aspects of air pollution. Pediatrics 46:637-9, Oct 70
Thoughts at random. A running commentary. Robb DF. Practitioner 205:561-3, Oct 70
Some continuing health problems of school children and young people and their implications for a child and youth health service. Henderson P. Public Health 85:58-66, Jan 71
Cinders no longer? Public Health 85:95-8, Mar 71
Childhood characteristics as indicators of adult health status. Densen PM, et al. Public Health Rep 85:981-96, Nov 70
Motor performance test data for elementary school children. Keogh JF. Res Q Am Assoc Health Phys Educ 41:600-2, Dec 70
[Nutritional value of school diets supplied by the Junta Nacional de Auxilio Escolar y Becas] Pak N, et al. Rev Chil Pediatr 41:409-17, May 70
The pregnant school girl in Virginia. Birdwhistell MC. Va Med Mon 98:377-80, Jul 71
The medical profession and school health. Flood RE. W Va Med J 67:35-7, Feb 71
New Zealand's dental auxiliary programme. Kennedy DP. WHO Chron 25:65-9, Feb 71
[Helminthic infections among school children in Hsi-hu District of Miao-li Prefecture, Taiwan] Chou CH, et al. J Formosan Med Assoc 69:484-8, 28 Sep 70 (Chi)
[Hygienic conditions in kindergardens and institutions of lower education] Franckx H. Arch Belg Med Soc 27:266-9, Apr 69 (Dut)
[Detection of tuberculosis in schools] Jeurissen A. Acta Tuberc Pneumol Belg 62:5-34, Jan-Feb 71 (Fre)
[View point on the nutritional education of French youth] Kytspotter B de. Aliment Vie 58:237-40, 1970 (Fre)
[Survey of a series of committee studies of 14 school restaurants and canteens (1963-1969)] Tracq MF, et al. Aliment Vie 57:274-89, 1969 (Fre)
[Prevention of communicable diseases in schools] Gerardy J, et al. Arch Belg Med Soc 28:617-29, Nov-Dec 70 (Fre)
[Antituberculer campaign in schools] Vanderperren L. Brux Med 50:371-3, May 70 (Fre)
[Role of school health in the eradication of intestinal bilharziasis in the French Antilles] Boltanski E. Bull Acad Natl Med (Paris) 154:786-9, 17 Nov 70 (Fre)
[Schooling of the young diabetic] Besse. Diabete Suppl:27-31, 28 Sep 68 (Fre)
[4 years' experience in psychiatric consultation in a primary school] Harris DP. Laval Med 41:523-7, Apr 70 (Fre)
[The Albert-Prévost Institute: childhood and adolescence department] St-Hilaire J, et al. Laval Med 42:77-80, 1 Jan 71 (Fre)
[Problem of tuberculous superinfections in school populations vaccinated by B.C.G] Cheminat JC, et al. Rev Tuberc Pneumol (Paris) 35:328-32, Apr-May 71 (Fre)
[Strip testing of urine in school medical examinations. Methods and results] Akinlaja-Mayer G. Munch Med Wochenschr 113:261-4, 19 Feb 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Diet for school-children] Droese W, et al. Munch Med Wochenschr 113:680-1, 23 Apr 71 (Ger)
[Compulsory toleration of school health mass screening] Bädorf J. Oeff Gesundheitswes 33:364-6, Jun 71 (Ger)
[Health educational task of the school] Brandau G. Oeff Gesundheitswes 33:168-70, Mar 71 (Ger)
[Dental health education by the teacher. A practical example] Stocker H. Oeff Gesundheitswes 33:Suppl:31-6, Mar 71 (Ger)
[Possibilities of dental caries prophylatis in schools] Wegelin H. Oeff Gesundheitswes 33:93-7, Feb 71 (Ger)
[The future of school health services. Report on a model plan] Wetzel G. Oeff Gesundheitswes 32:140-3, Mar 70 (Ger)
[Individual acceleration and performance in school] Paschiau G. Z Allgemeinmed 46:1107-13, 10 Aug 70 (Ger)
[Degree of infection in girls who finished school in Görlitz] Richter J. Z Gesamte Hyg 17:416-8, Jun 71 (Ger)
[School audiometry practice of a district hospital] Buchholz W, et al. Z Laryngol Rhinol Otol 49:670-7, Oct 70 (Ger)
[Insect-killing poisons harmful to men and plants (for elementary school students)] Bagnato C, et al. Ann Sanita Pubblica 30:111-36, Jan-Feb 69 (Ita)
[A voluntary anti-rubella vaccination program. Relation to the Superior Council of Health] Chiarotti C, et al. Ann Sanita Pubblica 31:439-43, Jul-Aug 70 (Ita)
[Smoking habits among students of the secondary schools of Belluno] Fiabane L. Ann Sanita Pubblica 31:509-21, Jul-Aug 70 (Ita)
[Nutritional status in school communities in Italy. XXI. The level of nutrition in the province of Lucca] Sofia F. Ann Sanita Pubblica 31:465-80, Jul-Aug 70 (Ita)
[Hygienic sanitary characteristics of an average town in Le Marche. 5. Hygienic environmental findings in school classroom in Tolentino] La Rosa F, et al. Ig Mod 63:369-94, 1970 (Ita)
[On the hygienic and sanitary characteristics of an average town in the Marches. IV. The status of school buildings in Tolentino] Pellegrini MG, et al. Ig Mod 63:67-88, 1970 (Ita)
[The organization of the School Specialist Medical Service] Brosio E. Minerva Med 62:1027-9, 10 Mar 71 (Ita)
[Auxologic findings in school children in the Aosta Valley] Castello D, et al. Minerva Pediatr 21:2202-15, 24 Nov 69 (Ita)
[Proposals for a school dental service] Manfredi M. Minerva Stomatol 19:317-20, Jul-Aug 70 (Ita)
[Collaboration between the school physician and teachers in the so-called didactic progression of pupils in the evolutive age. Importance of auxometric findings and the correlation between physical and endocrinologic development] Barghini G, et al. Omnia Med Ther 48:147-63, Jan-Jun 70 (Ita)
[Health organization in the school of Rome] Martelli T. Recent Progr Med (Roma) 49:XXXIV+, Dec 70 (Ita)
[Current status of school medical services in Latium] Pastore G. Recent Progr Med (Roma) 49:XXIV-XXV, Dec 70 (Ita)
[Current status of health education in school in Italy] Vetere C. Recent Progr Med (Roma) 49:23-4, Dec 70 (Ita)
[Technical aspects of the medical intervention in the school medical, social, psychological service of the Province of Turin] Castello D, et al. Riv Clin Pediatr 81:1292-3, Nov-Dec 68 (Ita)
[The school audiology service in the Province of Florence] Corvaglia E, et al. Riv Clin Pediatr 81:1252-3, Nov-Dec 68 (Ita)
[Health assistance in schools in Tuscany] Cremoncini R, et al. Riv Clin Pediatr 81:1217-22, Nov-Dec 68 (Ita)
[Certain affections in school children reported by the school medicine service in the Province of Florence] Duvina PL, et al. Riv Clin Pediatr 81:1247-9, Nov-Dec 68 (Ita)
[The oculistic service in schools in the Province of Florence] Duvina PL, et al. Riv Clin Pediatr 81:1254, Nov-Dec 68 (Ita)
[Social assistance in schools in the Emilia-Romagna region] Faggioli A, et al. Riv Clin Pediatr 81:1360-3, Nov-Dec 68 (Ita)
[Social damage in children due to excessive sedentariness and lack of auxologic gymnastics in schools today] Klain U. Riv Clin Pediatr 81:1095-6, Nov-Dec 68 (Ita)
[The school cardiology service in the Province of Florence] Moriani M, et al. Riv Clin Pediatr 81:1250-1, Nov-Dec 68 (Ita)
[Global medical, social and psychological care of school children] Palestro M, et al. Riv Clin Pediatr 81:1320-2, Nov-Dec 68 (Ita)
[Research and trends in school medicine. I. On the relations between body constitution, behavior and scholastic performance] Quadri A, et al. Riv Clin Pediatr 81:1228-31, Nov-Dec 68 (Ita)
[Assistance to children with hearing disorders in the schools of Florence] Sciacca A, et al. Riv Clin Pediatr 81:1341-2, Nov-Dec 68 (Ita)
[Future responsibilities of school physicians] Oguri K. J Jap Med Assoc 65:328-31, 1 Feb 71 (Jap)
[Future of school health] Oguri K. J Jap Med Assoc 65:1529-32, 15 Jun 71 (Jap)
[School health--with special reference to the improvement of pupils' health and physique] Terawaki T. J Jap Med Assoc 65:1533-41, 15 Jun 71 (Jap)
[Plans for registration and treatment of handicapped in Oslo] Nor Tannlaegeforen Tid 80:634-7, Oct 70 (Nor)
[Mental hygiene in the schools] Befring E. Tidsskr Nor Laegeforen 91:350-4, 20 Feb 71 (Nor)
[Anti-tuberculosis School League (1923-1939)] Zablotniak R. Gruzlica 38:1019, Oct 70 (Pol)
[Project of a new school hygiene system] Sokal K. Pediatr Pol 45:1537-42, Dec 70 (Pol)
[Clinico-epidemiological study of asymptomatic bacteriuria in primary grade pupils in the State of Guanabara] Cordeiro H de A, et al. Hospital (Rio de J) 78:1275-88, Nov-Dec 70 (Por)
[Enterovirus serological studies among the study population of a rural area of the State of Guanabara] Schatzmayr HG, et al. Rev Inst Med Trop Sao Paulo 13:9-13, Jan-Feb 71 (Por)
[Effect of enteral administration of supplementary nutritional factors (methionine, glutamic acid, vitamin B complex and yeast) on brain blood circulation during chronic mental fatigue in children] Pratusevich IuM, et al. Dokl Akad Nauk SSSR 198:1245-8, 1971 (Rus)
[State of the nervous system in 9th- and 10th-grade school children] Anan'eva NA, et al. Gig Sanit 36:51-4, 1971 (Rus)
[Prophylactic ultraviolet irradiation of preschool children of Moscow] Andrianova AI. Gig Sanit 35:30-3, Oct 70 (Rus)
[Sanitary condition of sport halls in the children sport schools of Leningrad] Bakulin PP. Gig Sanit 35:85-6, Sep 70 (Rus)
[Natural lighting of classrooms] Basedina AA, et al. Gig Sanit 35:81-2, Sep 70 (Rus)
[Hygienic characteristics of conditions of teaching student operators at occupational technical schools of the petroleum industry] Dautov FF. Gig Sanit 35:91-2, Sep 70 (Rus)
[Effect of attending a sanitary-forest school on the state of health and work capacity of children with rheumatism in the inactive phase] Dmitrieva GI. Gig Sanit 35:101-2, Dec 70 (Rus)
[Indices of pulse and respiration rates in children at various points in the daily routine as criteria of its assessment] Dobreftser VI, et al. Gig Sanit 35:104-6, Nov 70 (Rus)
[Characteristics of the physical development and some functional indices of rural school children] Dorozhnova KP, et al. Gig Sanit 35:31-6, Dec 70 (Rus)
[Hygienic assessment of radiation heating in preschool institution buildings] Genesskaia RI. Gig Sanit 35:102-3, Nov 70 (Rus)
[Hygienic virologic characteristics of household articles in certain children's institutions] Grigor'eva LV, et al. Gig Sanit 35:103-5, Mar 70 (Rus)
[Physical development of school children in Baghdad] Hassan al-MK. Gig Sanit 35:72-6, Sep 70 (Rus)
[Ultraviolet regime in covered courts in the far north] Iatmanov NO. Gig Sanit 35:17-20, Oct 70 (Rus)
[Seasonal changes in the thermal state of school children in Ashkhabad] Korenevskaia EI, et al. Gig Sanit 35:46-50, Aug 70 (Rus)
[Hygienic assessment of pupils' posture during lessons] Mikhailova LV, et al. Gig Sanit 35:34-7, Jun 70 (Rus)
[Experience in the study of working conditions and health of adolescents working at the occupational technical schools of the rubber-shoe industry] Petrunicheva KP. Gig Sanit 35:95-6, Sep 70 (Rus)
[Dynamics of some physiological indices in students during lectures] Rashman SM. Gig Sanit 35:93-4, Sep 70 (Rus)
[Hygienic evaluation of large preschool institutions] Rogachevskaia LG, et al. Gig Sanit 35:27-31, Dec 70 (Rus)
[Acceleration of the physical development of Moscow schoolchildren] Sal'nikova GP. Gig Sanit 35:31-4, Mar 70 (Rus)
[Effect on elementary school pupils in the early grades of complex use of technical materials and programming elements] Samotolkina NG. Gig Sanit 35:28-31, Mar 70 (Rus)
[Functional status of the organism in nursery school children during routine activities] Sapozhnikova RG, et al. Gig Sanit 35:41-5, Feb 70 (Rus)
[Comparative characteristics of immunologic indices in students attending different types of boarding schools] Temkina RB. Gig Sanit 36:108-10, 1971 (Rus)
[Working capacity dynamics of 4th grade pupils during foreign language study] Toporkova IB. Gig Sanit 35:96-8, Sep 70 (Rus)
[Contamination of children's institutions by metallic mercury] Velichko RM, et al. Gig Sanit 35:84, Sep 70 (Rus)
[Some social-hygienic and physiological studies of students in a technical institute] Vodiaga VK. Gig Sanit 35:23-7, Dec 70 (Rus)
[Vision disorders in school children] Zaalishvili AA. Gig Sanit 36:110-2, 1971 (Rus)
[Improvement of working conditions during on-the-job training of student-machine operators in a petroleum industry trade school] Dautov FF. Gig Tr Prof Zabol 15:8-11, 1971 (Rus)
[Influence of lamblia upon the health of children attending nurseries] Akimova RF. Med Parazitol (Mosk) 38:272-7, May-Jun 69 (Rus)
[Enterobiasis in children's institutions in Bulgaria] Stefanov G, et al. Med Parazitol (Mosk) 40:235-6, Mar-Apr 71 (Rus)
[Functional condition of the feet in preschool children] Bolarskaia VP, et al. Ortop Travmatol Protez 32:56-9, Jan 71 (Rus)
[Experience in organization of medical services in boarding schools for children with rheumatic diseases] Pal'ian MA, et al. Pediatriia 49:81-3, Aug 70 (Rus)
[Organization of medical services for 1st-grade students] Shevchenko LI, et al. Pediatriia 49:77-81, Aug 70 (Rus)
[Characteristics of tuberculin sensitivity in school children] Shpukas GK. Probl Tuberk 49:15-7, 1971 (Rus)
[State of health of 1st grade boarding school pupils] Aleksikova RIa. Sov Zdravookhr 29:34-7, 1970 (Rus)
[Psychohygienic trends in the development of modern hygiene] Beliaev II. Vestn Akad Med Nauk SSSR 25:24-32, 1970 (Rus)
[Binocular vision disorders and their relation to state of health] Mamulov VG. Vopr Okhr Materin Det 15:37-40, Oct 70 (Rus)
[Preventive effect of human leukocytic interferon in preschool children] Busuek GP, et al. Vopr Virusol 16:226-9, Mar-Apr 71 (Rus)
[Experience in medical service to students of the Voronezh Medical Institute] Furmenko IP, et al. Zdravookhr Ross Fed 15:37-40, Feb 71 (Rus)
[Health and the physical development of school children in the towns of the Tul'sk region] Sarkisiants EE, et al. Zdravookhr Ross Fed 15:21-3, Mar 71 (Rus)
[Evaluation of the epidemiological effectiveness of 24-hour preventive detection of children in preschool institutions during the influenza epidemic of 1969] Aksenov VA, et al. Zh Mikrobiol Epidemiol Immunobiol 47:10-6, Nov 70 (Rus)
[Experimental study of the role of domestic and food routes of transmission of the Sonne dysentery causative agent] Sakulin IP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:35-7, Jan 71 (Rus)
[Epidemiological effectiveness of small doses of gamma globulin in scarlet fever foci] Severov AM, et al. Zh Mikrobiol Epidemiol Immunobiol 48:61-6, Feb 71 (Rus)
[Application of the method of primary luminescence of the urine to the diagnosis of viral hepatitis in children's institutions] Sinaiuk AS, et al. Zh Mikrobiol Epidemiol Immunobiol 48:103-6, Feb 71 (Rus)
[Preventive use of dry polyvalent dysentery bacteriophage in preschool institutions. II. Principles of present-day tactics and application schedule of bacteriophage] Solodovnikov IuP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:123-7, Feb 71 (Rus)
[National program of total welfare of minors in Mexico] Castro Guevara A, et al. Minerva Pediatr 22:1183-8, 16 Jun 70 (Spa)
[Nutritional study of 500 students of the central area (School No. 45, Santiago) using clinical anthropometric examination and diet survey, 1968] Arraño MS, et al. Rev Chil Pediatr 41:913-22, Sep 70 (Spa)
[Nutritional status of the fiscal school population, age group 8-10 years, North Health Area, Santiago, 1969] Avendaño A, et al. Rev Chil Pediatr 41:1079-93, Nov-Dec 70 (Spa)
[School Health Service needs more doctors and permanent appointments] Lakartidningen 67:5068, 28 Oct 70 (Swe)
[Parenteral infection with infectious hepatitis in organized children's communities] Birkovs'kiĭ IuO, et al. Pediatr Akush Ginekol 1:20-1, Jan-Feb 70 (Ukr)
[Basic results and tasks in the study of the problem "Hygiene of children and adolescence in the current stage"] Kornilova OI, et al. Pediatr Akush Ginekol 1:24-5, Jan-Feb 70 (Ukr)

EDUCATION

[Report from school physician's course in Paris] Linderoth H. Lakartidningen 68:537-9, 3 Feb 71 (Swe)

HISTORY

Organisation in the school dental service. Turner G. Br Dent J 131:33-6 contd, 6 Jul 71
School dental service jubilee. NZ Med J 73:296, May 71
Great school doctors and the evolution of adolescent medicine. Smith RE. Practitioner 206:183-6, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

John Swett's experience with physical exercise at the Rincon School: foundation for the first state physical education law in the U.S. (Swett J), Hoepner BJ. Res Q Am Assoc Health Phys Educ 41:365-70, Oct 70
[J. A. Schmerlers "Health instruction for children" (1793)--a health education achievement in the spirit of enlightenment] Heindorf H.
Z Gesamte Hyg 16:682-7, Sep 70 (Ger)

MANPOWER

Preparing the personnel for school health. Cobb RS. J Sch Health 41:135-7, Mar 71
Preparing school health personnel. Lampe JM. J Sch Health 41:109-11, Feb 71
[The future of school medicine] Eek K.
Lakartidningen 67:2515-7, 27 May 70 (Swe)

STANDARDS

[Dental care of students from 8 to 12 years old, in the public schools in the capital of Sao Paulo] Souza JM de. Rev Saude Publica 4:61-70, Jun 70 (Por)

SCHOOL NURSING (G2)

Is there a school nurse role? Hawkins NG. Am J Nurs 71:744-51, Apr 71
The college health nurse--role, attitudes, working conditions, 1970. Guendling J. J Am Coll Health Assoc 19:211-6, Apr 71
A survey of Denver public school nurses to explore their concepts related to expanded role functioning. Barbour A, et al. J Sch Health 40:546-8, Dec 70
A nurse's experience with a standby program in an elementary school. Blom D. J Sch Health 41:249-53, May 71
Skin problems of school age children and youth--a nursing responsibility? Bryan DS. J Sch Health 40:437-9, Oct 70
The school nurse practitioner program. A new and expanded role for the school nurse. Silver HK. JAMA 216:1332-4, 24 May 71
The school nurse practioner program. Skimmer AL. JAMA 217:1107-8, 23 Aug 71
The school nurse and drug abusers. Caskey KK, et al. Nurs Outlook 18:27-30, Dec 70
esults of observation of children with rheumatism in special boarding schools] Ferents VP, et al. Pediatr Akush Ginekol 4:6-7, Jul-Aug 70 (Ukr)

EDUCATION

Evaluation of the effectiveness of the continuing education course--"New Perspectives in College Health Nursing". Popiel ES. J Am Coll Health Assoc 19:169-73, Feb 71
Educational preparation for school health nursing. Hill AE. J Sch Health 41:354-60, Sep 71
Weekend course for school nurses. Burtz GS. Nurs Outlook 19:342-3, May 71

SCHOOLS (I)

Gifted children in the primary school. Tempest NR. Adv Sci 27:255-64, Mar 71
Primary education and divergent thinking abilities. Four years on. Haddon FA, et al. Br J Educ Psychol 41:136-47, Jun 71
The in-patient treatment of school refusal. Barker P. Br J Med Psychol 41:381-7, Dec 68
Are school phobic adolescents overdependent? Berg I, et al. Br J Psychiatry 119:167-8, Aug 71
To teach or not to teach family planning in Kenyan primary schools. Maathuis JB. East Afr Med J 47:545-9, Nov 70
Behavioral and academic gains of conduct problem children in different classroom settings. Glavin JP, et al. Except Child 37:441-6, Feb 71
Mental health services to a racially troubled school. Harris JO. Hosp Community Psychiatry 22:140-3, May 71
A school in a therapeutic community. Rothenberg A, et al. Int J Soc Psychiatry 16:23-38, Winter 69
Utah auxiliary project--school children visit veterinary offices. Prather M. J Am Vet Med Assoc 158:1595-6, 1 May 71
A follow-up study of school phobic adolescents admitted to an in-patient unit. Berg I. J Child Psychol Psychiatry 11:37-47, May 70
Refractory behaviour at school in normal adolescent males in relation ot psychopathy and early experience. Davies JG, et al. J Child Psychol Psychiatry 12:35-41, Jun 71
School phobia and self-evaluation. Nichols KA, et al. J Child Psychol Psychiatry 11:133-41, Nov 70
Thermal requirements of secondary schoolchildren in winter. Auliciems A. J Hyg (Camb) 67:59-65, Mar 69
Communicated hysteria--an episode in a secondary school. Lyons HA, et al. J Ir Med Assoc 63:377-9, Oct 70
School and family as potential change agents in the mental health of children. Kauffman JM. J Sch Health 40:443-8, Oct 70
What should we teach them? Van Oss O. Proc R Soc Med 64:600-1, Jun 71
An open plan for Elleray Park. Ellison H. Spec Educ 60:21-4, Mar 71
The Brislington project at Bristol. Jones N. Spec Educ 60:23-6, Jun 71
[Factors in the lack of adjustment to school] Dopchie N, et al. Acta Paediatr Belg 24:279-85, 1970 (Fre)
[Report on sexual education in Basel elementary schools] Mattmüller-Frick F. Prax Kinderpsychol Kinderpsychiatr 20:184-91, Jul 71 (Ger)
[School child and tobacco] Becker W. Ther Ggw 109:1196 passim, Aug 70 (Ger)
[Quality analysis of school and kindergarten meals in a county district in the year 1969] Kempke R. Z Gesamte Hyg 16:600-1, Aug 70 (Ger)
[Winter climate in Ramat Gan Schools] Feinstein A, et al. Harefuah 77:353-4, 15 Oct 69 (Heb)
["Alternating" classes in schools. Biopsychologic study] Gallo G, et al. Ig Mod 62:178-81, 1969 (Ita)
[On the hygienic and sanitary characteristics of an average town in the Marches. IV. The status of school buildings in Tolentino] Pellegrini MG, et al. Ig Mod 63:67-88, 1970 (Ita)
[School-family relationships in the educational process of young persons in the evolutive age] Terranova V. Minerva Pediatr 22:2285-90, 17 Nov 70 (Ita)
[Relations between school, family and mental hygiene] D'Amato FC. Osp Psichiatr 38:264-8, Jan-Jun 70 (Ita)
[Disruptive factors in relations between teachers and parents] Zara E, et al. Osp Psichiatr 38:244-63, Jan-Jun 70 (Ita)
[Problems of social adaptation posed by compulsory high school] Rosmino GC, et al. Riv Clin Pediatr 81:1294-6, Nov-Dec 68 (Ita)
[Dietary survey of pupils attending vocational schools. I. Frequency and spacing out of meals as well as of breakfast and lunch] Siczkówna J, et al. Rocz Panstw Zakl Hig 21:553-63, 1970 (Pol)
[Disposition to work and scholastic results in primary school pupils] Zdunkiewicz L. Rocz Panstw Zakl Hig 21:581-8, 1970 (Pol)
[Sanitary and hygienic conditions of lower vocational schools in Poland] Zdunkiewicz L, et al. Rocz Panstw Zakl Hig 21:331-7, 1970 (Pol)
[Integration of disabled youth in schools] Carlvik B, et al. Lakartidningen 68:2676-7, 2 Jun 71 (Swe)
[Integration--internment: is there a free choice for the handicapped youth?] Hellström A, et al. Lakartidningen 68:1070-2, 3 Mar 71 (Swe)
[New school sex education program] Sundström-Feigenberg K. Lakartidningen 68:2082-5, 28 Apr 71 (Swe)

STANDARDS

[Noise-levels in school dining-rooms] Bauer M. Nord Hyg Tidskr 52:32-9, 1971 (Swe)

SCHOOLS, DENTAL (I, N2)

Dental manpower and the responsibilities of the dental schools. Jensen JR. Am J Public Health 61:1565-70, Aug 71
A visit to the Hungarian Dental Schools and the ORCA Congress of 1970. Crabb HS. Br Dent J 129:341-2, 6 Oct 70
The Dental School at Lagos. Fox-Taylor J. Br Dent J 131:131-4, 3 Aug 71
National University of Iran School of Dentistry. Herbert WE. Br Dent J 130:299-302, 6 Apr 71
Directory of schools. Br Dent J 131:221-33, 7 Sep 71
University of Maryland: new curriculum, new design for the oldest school. Farrell E. J Am Dent Assoc 82:1038-42, May 71
Former dental school dean honored. (Lyons H), J Am Dent Assoc 82:513 passim, Mar 71
Accredited dental schools. Council on Dental Education. J Am Dent Assoc 82:1120-1, May 71
Meeting the challenges of the 'Seventies'. American Fund for Dental Education. J Am Dent Assoc 82:973-88, May 71
Editorial. The wolf is at the door. J Am Dent Assoc 82:13, Jan 71
The metamorphosis of a dental auxillary utilization program--University of Kentucky. Bohannan HM, et al. J Dent Educ 35:57-64, Feb 71
An evaluation of the Dental Auxiliary Utilization Program. Rosenzweig S, et al. J Dent Educ 35:169-76, Mar 71
The lowering of specialization and research interests in dental school. Sherlock BJ. J Dent Educ 35:478-84, Aug 71
Financial problems of state and private dental schools. Terkla LG. J Dent Educ 35:262-9, Apr 71
The honors program in professional school. Ward HL. J Dent Educ 35:410-3, Jul 71
The relationship of the Council on Dental Education to the special areas of dental practice. J Dent Educ 35:36-40, Feb 71
American Association of Dental Schools Statement of Policy on National Health Insurance Plans. J Dent Educ 35:249-50, Apr 71
AADS Position Statement on the Carnegie Commission Report. J Dent Educ 35:244-9, Apr 71
Formula grants to schools of public health. Wegman ME. J Public Health Dent 30:212-7, Fall 1970
A community-based medical school. Kuiper DH, et al. N Engl J Med 285:300, 29 Jul 71
Tufts Dental School to initiate 3-year degree program in 1972 by operating a 12-month curriculum. NY J Dent 41:184-5, May 71
Malaysian Dental School. NZ Dent J 66:258, Jul 70
[Problems of the future generation and structuring of the universities. Structure of the clinics and dentistry of tomorrow] Schulte W. Zahnaerztl Mitt 60:1271-3, 16 Dec 70 (Ger)
[A school is born] Avila Soto J. ADM 27:265-83, May-Jun 70 (Spa)
[The human element in administration] Longenecker HE. ADM 28:169-75, Mar-Apr 71 (Spa)
[Planning a dental school] ADM 24:515-31, Sep-Oct 67 (Spa)

HISTORY

Baltimore College of Dental Surgery. First dental school in the world. Established 1839. Dent Radiogr Photogr 44:1, 1971
Temple University School of Dentistry. Dent Radiogr Photogr 44:26 passim, Apr 71
University of Michigan School of Dentistry. Dent Radiogr Photogr 44:48 passim, 1971
[Survival of the dental profession and foundation of the first dental school in Berlin 1855] Jarmer K. Dtsch Stomatol 21:63-7, Jan 71 (Ger)
[75 years of the Dental Institute at the University of Zürich. The founding of the dental school at the Zürich University in 1895] Dolder E. Schweiz Monatsschr Zahnheilkd 80:1275-83, Dec 70 (Ger)

STANDARDS

Quality control in dental education. Council on Dental Education. J Am Dent Assoc 82:1043-56, May 71

SCHOOLS, HEALTH OCCUPATIONS (I, N2)

Schools of allied health professions: concepts of their organization and administration. Meredith G. Am J Occup Ther 25:29-31, Jan 71
The World Federation of Occupational Therapists. Am J Occup Ther 25:183-5, Apr 71
What A.A. can offer professional schools and what it cannot. Norris J. Ann NY Acad Sci 178:61-5, 29 Mar 71
A new agenda and a new alliance. Burney LE. Bull NY Acad Med 47:215-23, Mar 71
Navy schools turn out DENTAL TECHNICIANS. J Am Dent Assoc 81:1327-8, Dec 70
The academic health center and health care delivery. The university, the community, and the nation's health. London IM. J Med Educ 46:18-23, Jan 71
The academic health center and health care delivery. A new generation of options for academic health centers. Sanazaro PJ. J Med Educ 46:11-7, Jan 71
The South Teesside School of Physiotherapy. Physiotherapy 57:285, 10 Jun 71
A new school of radiography at Bradford. Naylor E. Radiography 36:280-3, Nov 70
School Dental Nursing Service: Tasmania. Robertson PF. Sch Dent Serv Gaz NZ 30:51-2, Aug 70
[Current status of schools for dental hygienist in Japan] J Jap Dent Assoc 24:195-8, May 71 (Jap)
[The department in health science centers] Ferreira JR. Educ Med Salud 5:165-81, Apr-Jun 71 (Spa)
[Programs of the direction of professional education in public health] Salud Publica Mex 12:491 passim, Jul-Aug 70 (Spa)

SCHOOLS, MEDICAL (I, N2)

Institutional introspection. Sharry J. Ala J Med Sci 8:141-3, Jan 71
Nutrition in the medical school. McLaren DS. Am J Clin Nutr 23:1264-6, Oct 70
The program at Howard University. Coles DL. Ann NY Acad Sci 178:32-4, 29 Mar 71
The program at the University of Tennessee College of Medicine. Knott DH. Ann NY Acad Sci 178:35-8, 29 Mar 71
The program at Mount Sinai School of Medicine and implications for teaching alcoholic liver disease. Popper H. Ann NY Acad Sci 178:39-42, 29 Mar 71
The alcoholism program at Yale-New Haven Medical Center. Williams K. Ann NY Acad Sci 178:28-31, 29 Mar 71
Experiments in the delivery of health care and their impact on medical schools. Lewis CE. Arch Intern Med 127:312-3, Feb 71
One medical school's involvement in new health care delivery models. Its problems and its pleasures. Rogers DE, et al. Arch Intern Med 127:57-64, Jan 71
The academic department of medicine and social

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

change. Wyngaarden JB.
Arch Intern Med 127:80-4, Jan 71
A linear educational study on the intake of a single year into medical school. Buckley-Sharp MD, et al. Br J Med Educ 4:89-96, Jun 70
Foreign-born graduates of British medical schools 1948-66. Gish O. Br J Med Educ 5:22-9, Mar 71
Learning environment of a medical school: expectations versus perceptions of a first-year class. Rothman AI. Br J Med Educ 4:289-92, Dec 70
University of California, San Diego, School of Medicine: a profile of a developing medical centre. Stokes J 3d, et al. Br J Med Educ 4:239-48, Sep 70
Continuing education in internal medicine. Collaboration of universities and schools of medicine. Rosenheim. Br Med J 2:698-9, 19 Jun 71
Vocational training in general practice. VII. Manchester. Br Med J 3:299-300, 31 Jul 71
Some impressions of a new medical school in Africa. Naish JM. Bristol Med Chir J 85:89-91, Oct 70
User services offered by medical school libraries in 1968: results of a national survey employing new methodology. Orr RH, et al. Bull Med Libr Assoc 58:455-92, Oct 70
Medical school libraries and the "new" curriculum. Uzelac C. Bull Med Libr Assoc 58:554-8, Oct 70
CMA and the medical schools. Calif Med 114:31-2, Jan 71
The medical school and the community. Ebert RH. Can Med Assoc J 105:151 passim, 24 Jul 71
University of Missouri Department of Ophthalmology, Columbia, Missouri. Hart WM. Eye Ear Nose Throat Mon 50:270-3, Jul 71
Ophthalmology at the University of Tennessee College of Medicine. Hiatt RL. Eye Ear Nose Throat Mon 49:152-7, Mar 70
Some impressions of psychiatric facilities in the Orient. Bennett AE. Hosp Community Psychiatry 22:153-5, May 71
In a medical school psychology is black. Burgess MM, et al. Int J Soc Psychiatry 16:201-4, Summer 70
Medical College of Ohio charts course for the future. Int Surg 55:108B-10B, Apr 71
Evolution of selection methods for admission to medical school. I. Matriculation grades, entrance examination and personal interview as predictors of achievement in medical school. Prywes M. Isr J Med Sci 6:113-25, Jan-Feb 70
Evolution of selection methods for admission to medical school. III. Psychological tests in the selection of medical students. Shanan J, et al. Isr J Med Sci 6:132-44, Jan-Feb 70
Evolution of selection methods for admission to medical school. II. Critical evaluation of a semi-structured interview. Sterk VV, et al. Isr J Med Sci 6:126-31, Jan-Feb 70
The contempory use of medical oaths. Cranshaw R. J Chronic Dis 23:145-50, Sep 70
The medical school-community hospital teaching program. Keene WR, et al. J Fla Med Assoc 57:11-2, Dec 70
The University of Miami School of Medicine's changing patterns of medical education. Papper EM, et al. J Fla Med Assoc 58:28-32, Jan 71
Expansion of medical education at the University of Florida. Suter E. J Fla Med Assoc 58:24-6, Jan 71
The College of Medicine in the 70's. Eckstein JW. J Iowa Med Soc 60:802-6, Dec 70
Health education. Educational affiliations of health care centers with the University of Kansas School of Medicine. Walker JD. J Kans Med Soc 72:102-8 passim, Mar 71
Multidiscipline laboratories: a new concept in medical education at the University of Louisville School of Medicine. Levy RS, et al. J Ky Med Assoc 69:25-30, Jan 71
Medical legislation and the medical schools. Sandifer MG Jr. J Ky Med Assoc 69:450, Jun 71
Special article. A "current status" report concerning Maine students who have graduated from the University of Vermont College of Medicine under the aegis of the New England Higher Education Compact during the years 1961-1970. Nilson GT. J Maine Med Assoc 62:78-9, Apr 71
Survey of grading procedures of American and associated medical colleges. Abrams HK, et al. J Med Educ 46:316-9, Apr 71
Impact of medical school characteristics on location of physician practice. Breisch WF. J Med Educ 45:1068-70, Dec 70
The academic health center and health care delivery. Preparing personnel to meet the demand. Burket GE Jr. J Med Educ 45:962-7, Dec 70
The academic health center and health care delivery. The changing scene. I. Chapman CB. J Med Educ 45:963-7, Dec 70
Why we have to be involved. Cooper JA. J Med Educ 46:245, Mar 71
President Nixon's health goals are admirable but implementation not assured by proposals. Cooper JA. J Med Educ 46:371-2, Apr 71
The role of health care institutions in an era of community challenge. Cornely PB. J Med Educ 46:190-7, Mar 71
Workshop on the Medical School Curriculum. The questionnaire and its analysis. DeMuth GR, et al. J Med Educ 45:15-29, Nov 70
The academic health center and health care delivery. 3. The changing scene. Dove DB. J Med Educ 45:974-81, Dec 70
The academic health center and health care delivery. The changing scene. II. English JT. J Med Educ 45:968-73, Dec 70
Medical school expenditures and student enrollment. Entwisle G. J Med Educ 46:117-23, Feb 71
A healthy university in a sick society? Gordon L. J Med Educ 45:847-53, Nov 70
Site visits to 12 medical schools. Gronvall JA, et al. J Med Educ 45:30-8, Nov 70
The academic health center--on the rocks with a twist of dilemma. Howard RB. J Med Educ 45:839-46, Nov 70
Workshop on the Medical School Curriculum. Introduction. Hubbard WN Jr. J Med Educ 45:3-6, Nov 70
Experience with new curriculum and elective year at Washington University School of Medicine. Hudgens RW, et al. J Med Educ 45:906-17, Nov 70
The medical school as coordinator of health services. McCoy L. J Med Educ 46:134-41, Feb 71
Social characteristics of applicants to Canadian Medical Schools. Nelson-Jones R, et al. J Med Educ 45:918-28, Nov 70
Medical school organization: a new approach. Oberheiman HA Jr. J Med Educ 45:1066-7, Dec 70
Medical school climate: comparative faculty and student views. Sheehan TJ. J Med Educ 45:880-7, Nov 70
Study of U.S. medical school applicants, 1969-70. Stritter FT, et al. J Med Educ 46:25-41, Jan 71
Curriculum improvement in the university. Tyler RW. J Med Educ 45:42-57, Nov 70
Curriculum effects on new medical school planning. Walters RF, et al. J Med Educ 45:866-79, Nov 70
The response of the university medical center to social demands. Weinerman ER. J Med Educ 45:69-78, Nov 70
Faculty tenure in medical schools. J Med Educ 46:253-4, Mar 71
Trends in medical school tuition levels 1952-53 to 1972-73. J Med Educ 46:175-6, Feb 71
State aid to medical schools. J Med Educ 45:949-50, Nov 70
Physician manpower needs: viewpoints of the discussion groups. J Med Educ 45:134-42, Nov 70
Workshop on the Medical School Curriculum. Principal recommendations of the Workshop. J Med Educ 45:7-9, Nov 70
Social demands: viewpoints of the discussion groups. J Med Educ 45:79-88, Nov 70
Changing pattern of expenditures and financial support in medical colleges, 1959--70 through 1969--70. J Med Educ 46:632-3, Jul 71
Medical school staffing patterns. J Med Educ 46:680-1, Aug 71
The hospital-medical school link. Morrison AB. J Med Soc NJ 68:395-6, May 71
The medical school in meeting the community's health needs. Rawson RW. J Med Soc NJ 68:396-8, May 71
The medical school's role in the hospital education program. Woolsey FM. J Med Soc NJ 68:392-5, May 71
A position paper on admissions to the University of Minnesota Medical School. Brown WD Jr. J Natl Med Assoc 62:468-9, Nov 70
The Howard Medical deanship. J Natl Med Assoc 62:363-6, Sep 70
Foreign medical schools. Organization and expenditures in 13 schools attended by more than 2,000 US students. Mason HR. JAMA 217:1845-6, 27 Sep 71
Medical school deans. Mosher PW, et al. JAMA 216:1863-4, 14 Jun 71
Americans in foreign medical schools. Nicholson HC. JAMA 217:1857, 27 Sep 71
Medical Schools and Schools of Medicine. Vaisrub S. JAMA 217:201-2, 12 Jul 71
On the horns. JAMA 215:789-90, 1 Feb 71
Moratorium or more. JAMA 216:2005, 21 Jun 71
Dollars for medical schools. JAMA 216:1338, 24 May 71
Who is a medical student? What is a medical school? When is a physician? JAMA 214:1554-6, 23 Nov 70
Money and medical schools. JAMA 214:1553-4, 23 Nov 70
Medical education in the United States. JAMA 214:1483-549, 23 Nov 70
Prototype closed-circuit television and augio-visual systems installed at the new Medical School, Nottingham. Olson IA. Med Biol Illus 21:156-62, Jul 71
The other schools. McCanse A. Mo Med 68:268, Apr 71
President's message. Miller GL. Mo Med 68:709, Sep 71
The case for more women in medicine: the stanford program. Bunker JP, et al. N Engl J Med 285:53, 1 Jul 71
Medical schools and the delivery of medical care ot the community. Densen PM. N Engl J Med 284:1158-7, 20 May 71
New dean at Boston University: Ephraim Friedman. (Friedman E), N Engl J Med 284:555, 11 Mar 71
Planning complex building systems. England R. Nature (Lond) 229:233-6, 22 Jan 71
Admission policy of University of Nebraska College of Medicine. Henn MJ, et al. Nebr State Med J 56:237-40, Jun 71
Admissions program at Creighton University School of Medicine. Hermann JB, et al. Nebr State Med J 56:241-3, Jun 71
"Relationships between community hospitals and medical schools". Madigan HS. Ohio State Med J 66:878 passim, Sep 70
Iowa medicine: prospect and retrospect. Bean WB. Perspect Biol Med 13:491-501, Summer 70
Admission to medical schools. Dixon GF. Practitioner Suppl:8+ p, Feb 71
V. The medical school's responsibility for community health. Proc Inst Med Chic 28:389-403, May 71
The contribution of clinical academic departments to the advancement of medicine. Donald KW. Proc R Soc Med 64:303-11, Mar 71
Impact on Rhode Island of a medical school at Brown University. Sexton RP. RI Med J 54:307-9 passim, Jun 71
Tri-state RMP: a medical school-hospital bonanza? RI Med J 54:96-7, Feb 71
Medical studies commence in Haifa; planning for school in Beer Sheba begun. RI Med J 54:99-100, Feb 71
Department of community and family medicine: a new program at the University of Utah. Castle CH, et al. Rocky Mt Med J 68:43-8, Jun 71
Stanford School of Medicine. 3. Varieties of medical experience. Walsh J. Science 171:785-7, 26 Feb 71
Stanford School of Medicine. II. Clinicians make an issue. Walsh J. Science 171:654-7, 19 Feb 71
Manpower maneuvers. Science 172:457, 30 Apr 71
The use of computers in assessment of medical students. Lennox B, et al. Scott Med J 15:400-8, Nov 70
The future development of South Dakota's School of Medicine. Knabe GW Jr. SD J Med 24:15-8 passim, Mar 71
Potion of the Association of American Medial Coleges in the delivery of health services. Cooper JA. South Med J 64:145-7, Feb 71
The place of the medical school in the university. Woodhall B. South Med J 64:259-66, Mar 71
The Ohio State University Pilot Medical School. Williams TE Jr, et al. Surgery 70:47-52, Jul 71
Admission of women into medical schools in the United States: current status. Morgan BC. Woman Physician 26:305 passim, Jun 71
[Teaching functions of a medical school hospital] Pacovský V. Cas Lek Cesk 110:7-10, 2 Jan 71 (Cze)
[Contemporary training at the medical school and the health community physician] Gladkij I. Cesk Zdrav 19:345-52, 1971 (Cze)
[Medical education in relief. On the medical curriculum at Tromsö University--the newest in Norway and northernmost in the world] Nystrup J. Nord Med 85:741-4, 17 Jun 71 (Dan)
[Position of the Medical School of the Brussels Free University in relation to cooperation with university and non-university health care institutions] Driessche RV. Arch Belg Med Soc 28:12-6, Jan 70 (Dut)
[The medical graduate school of Kuopio today] Castren O. Duodecim 86:1399-404, 1970 (Fin)
[Improvised medical schools] Nevanlinna H. Duodecim 86:1083-5, 1970 (Fin)
[Social rôle of the Medical School in promoting health] Mulnard J. Arch Belg Med Soc 28:1-11, Jan 70 (Fre)
[The medical automatic data processing center of the university hospitals and medical school of Brussels] Verniory A. Brux Med 51:171-4, Mar 71 (Fre)
[Development of the medical school of the Université Laval from 1962 to 1970] Gingras R. Laval Med 42:591-6, Jun 71 (Fre)
[Canadians and immigrants studying in French-speaking medical schools in Canada] Nelson-Jones R, et al. Laval Med 41:360-9, Mar 70 (Fre)
[Teaching of medicine and medical schools] Turcot J. Laval Med 42:597-602, Jun 71 (Fre)
[Relations between the Institut de Médecine and the Société des Médecins et des Naturalistes de Iassy] Duca M. Rev Med Chir Soc Med Nat Iasi 74:853-8, Oct-Dec 70 (Fre)
[Tasks of medical schools concerning their future practitioners] Knabe H. Z Allgemeinmed 46:Suppl:28-32, 30 Nov 70 (Ger)
[Basic principles in the profile of a Medical faculty] Bolck F, et al. Z Gesamte Hyg 14:846-52, Nov 68 (Ger)
[Theses for the doctorate in pharmacy at the Semmelweis University Medical School] Zalai K, et al. Acta Pharm Hung 40:255-79, Nov 70 (Hun)
[Schools of specialization in Italy] Colonnello F. G Mal Infett Parassit 22:807-10, Sep 70 (Ita)
[Noble competition in emulation between the schools of Milan, Bologna and Rome] Minerva Med Suppl 40:26, May 71 (Ita)
[Department of gynecology-obstetrics at the university hospital] Suzuki M. J Jap Obstet Gynecol Soc 23:57-63, Jan 71 (Jap)
[Operation of a public health unit in a Medical School] Lima OS de, et al. Rev Saude Publica 5:89-96, Jun 71 (Por)
[Main trends of the activity of the Department of Health and Hygiene of the Central Institute for Advanced Training of Physicians] Kovaleva EP, et al. Gig Sanit 35:69-70, Apr 70 (Rus)
[Main trends of activity of the Department of Health

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and Hygiene of the I. M. Sechenov 1st Moscow Medical Institute] Rumiantsev GI, et al.
Gig Sanit 35:64-8, Apr 70 (Rus)
[Profitableness of Central Scientific-Research Laboratories of Medical Schools] Kosarev II.
Lab Delo 7:442-4, 1970 (Rus)
[Teaching of the C.P.S.U. history in the Leningrad Pediatric Medical Institute] Belov VI, et al.
Sov Zdravookhr 29:42-4, 1970 (Rus)
[Scientific activity at the Department of Dermatology and Venereal Diseases of the Riga Medical Institute during 1963-1968] Iakobson PIa.
Vestn Dermatol Venerol 44:3-6, Jun 70 (Rus)
[Scientific activity of the Chair of Skin and Venereal Diseases of the Institute of Advanced Training of Physicians during 1964-1969] Kartamyshev AI.
Vestn Dermatol Venerol 44:9-14, Feb 70 (Rus)
[From the instructional-methodologic and ideological-educational work experience of the Perm Medical Institute] Cheknev BM, et al.
Zdravookhr Ross Fed 14:41-5, Oct 70 (Rus)
[General characteristics of medical education in Latin America] Garcia JC.
Educ Med Salud 3:267-316, Oct-Dec 69 (Spa)
[Creation of new medical schools in Latin America] Grzegorzewski E.
Educ Med Salud 3:1-7, Jan-Mar 69 (Spa)
[Behavioral sciences course at the University of Toronto Medical School] Kemper TD, et al.
Educ Med Salud 3:317-23, Oct-Dec 69 (Spa)
[Study on selection and accomplishments of students of the Edinburg Medical School] Perry WL.
Rev Fac Cienc Med Cordoba 28:194-208, Apr-Jun 70 (Spa)
[Organization of teaching and education of physicians in France since the university reform] Herve Lelievre L. Rev Med Chil 99:305-10, Apr 71 (Spa)
[Linköping--university-college with a future] Forsberg B. Lakartidningen 68:207-20, Jan 71 (Swe)
[Some results of work and tasks of the D.K. Zabolotny Institute of Microbiology and Virology] Moskovets SM. Mikrobiol Zh 33:131-3, Mar-Apr 71 (Ukr)

HISTORY

Colombo Medical School Centenary.
Br Med J 3:659, 19 Sep 70
On the history and growth of the Bristol Medical School Library. Roberts AE.
Bristol Med Chir J 85:93-100, Oct 70
Columbia alumni serving as naval surgeons in the War of 1812. Cushman P Jr.
Bull NY Acad Med 7:50-66, Jan 71
Some teachers of biology at Guy's Hospital and its Medical School. Foxon GE.
Guys Hosp Rep 120:57-87, 1971
Three generations of Tulane doctors establish enviable reputation in profession. (Jones JW), (Jones PH), (Jones PH), Boggs TH.
J La State Med Soc 123:22-4, Jan 71
The chools of Salerno--Medical and Artistic. Breckenridge JD. JAMA 16:105-10, 15 Apr 71
Medical school memories. Goodfellow DR.
Manch Med Gax 50:55, Jan 71
Velia and the school of Salerno. Nutton V.
Med Hist 15:1-11, Jan 71
The development of the medical school at the University of Sydney. Winton R.
Minn Med 54:479-83, Jun 71
The Montpellier school of medicine. Guest-Gornall R.
Practitioner 205:234-9, Aug 70
Medical memorabilia--Utah's first medical school. Fitzpatrick WK. Rocky Mt Med J 68:21-3, Jan 71
Stanford School of Medicine. I. Problems over more than money. Walsh J. Science 171:551-3, 12 Feb 71
Some notes on a centenary. Hutcheson RT.
Scott Med J 15:327-30, Sep 70
Postgraduate medical degrees of the University of Aberdeen, 1931-69. Ogston D.
Scott Med J 15:297-301, Aug 70
Retrospect and tribute: remarks in acceptance of the C. Anderson Aldrich Award. Jackson EB.
Yale J Biol Med 43:43-6, Aug 70
Dean Winternitz and the rebirth of the Yale Medical School in the 1920's. (Winternitz MC), Paul JR.
Yale J Biol Med 43:110-9, Oct 70
[Schools of general medicine yesterday and today] Balaš V. Cas Lek Cesk 110:463-6, 1971 (Cze)
[History of the Palacky University Medical School in Olomouc. I] Klapetek J.
Cas Lek Cesk 110:96-8 contd, Jan 71 (Cze)
[5 th anniversary of the Medical School of Palacky's University in Olomouc] Slavětinský M.
Vnitr Lek 17:400-1, Apr 71 (Cze)
[Johann Ulrich Bilguer (1720-1796) and the school of medicine at Halle University, On the 250th anniversary of the birth of the Swiss surgeon] (Bilguer JU), Kaiser W. Gesnerus 27:85-95, 1970 (Ger)
[The Tabula gratuloria of the University of Berlin at the centenary celebrations of the Friedrich Wilhelm Institute 75 years ago] Wille PF.
Munch Med Wochenschr 112:2199-202, 27 Nov 70 (Ger)
[The dependence of emperor's Frederik II views in natural sciences on the medical school of Salerno] Zahlten J. Sudhoffs Arch 54:173-210, Sep 70 (Ger)
[Victor Babes and the school of medicine of Pest] (Babes V), Antali J, et al.
Orv Hetil 112:143-7, 17 Jan 71 (Hun)
[The Pest School of Medicine and the health policy of the Centralists. On the centennary of the death of József Eötvös] (Eötvös J), Antali J.
Orv Hetil 112:1083-9, 9 May 71 (Hun)
[Excerpts from the 750-year history of the Montpellier medical school] Bugyi B.
Orv Hetil 111:2368-70, 4 Oct 70 (Hun)
[1st medical professors of the mining academy of Selmec (M.J. Jacquin, J.A. Scopoli)] (Jacquin MJ), (Scopoli JA), Bugyi B.
Orv Hetil 111:1894-6, 9 Aug 70 (Hun)
[The University Medical School of Budapest and Semmelweiss, after whom it was named] (Semmelweiss I), Orv Hetil 112:903-4, 18 Apr 71 (Hun)
[Th medical school and the teaching of forensic medicine in Macerata] Puccini C.
Riv Stor Med 13:141-63, Jul-Dec 69 (Ita)
[Achievement of the Warsaw school of dermatology and venerology in the last 25 years] Stapiński A.
Arch Hist Med (Warsz) 33:225-30, 1970 (Pol)
[The Department of Medicine of the Warsaw University in the years 1944-1946 (in the light of personal reminiscences)] Szukiewicz H.
Arch Hist Med (Warsz) 33:467-78, 1970 (Pol)
[Role of the Wroclaw Medical Academy in the development and activities of spas in Lower Silesia] Falkiewicz A. Pol Tyg Lek 25:1621-7, 26 Oct 70 (Pol)
[25 years of the Medical Academy at Gdansk (8.X.1945-8.X.1970)] Górski M.
Pol Tyg Lek 25:1373-4, Sep 70 (Pol)
[Medical Academy in Wroclaw in the years 1945-1970] Iwanklewicz S, et al.
Pol Tyg Lek 25:1606-13, 26 Oct 70 (Pol)
[50th anniversary of the faculty of histology at the Smolensk State Medical Institute] Anisimova-Aleksandrova VV.
Arkh Anat Gistol Embriol 58:120-2, Jun 70 (Rus)
[The 100th anniversary of the Department of Histology and Embryology of the Rostov-na-Donu Medical School] Kolosova AA, et al.
Arkh Anat Gistol Embriol 59:121-5, 1970 (Rus)
[Faculty of Pathologic Anatomy of the Kishinev Medical Institute] Anestiadi VKh.
Arkh Patol 32:78-80, 1970 (Rus)
[Activity of the S. M. Kirov Military Medical Academy during the years of the Great Patriotic War] Georgievskif AS. Voen Med Zh 9:72-4, Sep 70 (Rus)
[From the Palace of the Inquisition to the palace of Medicine. Fragments for a history of the Escuella de Medicine] Fernandez del Castillo F, et al.
Prensa Med Mex 35:374-84, Sep-Oct 70 (Spa)
[Graduates of the Medical School of Komensk's University in Bratislava in the school years 1919-1920 through 1965-1966] Beniak M.
Bratisl Lek Listy 56:96-109, 1971 (Slo)
[Beginnings of the Comenius' University medical school and Professor Dr. Karel Přerovský] (Přerovský K), Hensel J.
Fysiatr Reumatol Vestn 45:187-8, Jun 67 (Slo)

STANDARDS

The new Medical Schools and curriculum innovation. Rosinski EF. JAMA 216:322-3, 12 Apr 71
Medical schools for the modern world.
Med J Aust 2:1053, 5 Dec 70
[The concept of a medical school hospital in a university center] Havlíček J.
Cas Lek Cesk 110:3-6, 2 Jan 71 (Cze)
[A new system of medical education and various experience from the development of medical schools in Sweden] Máček M.
Cesk Pediatr 25:510-2, Oct 70 (Cze)
[New models in the professional training of health personnel: Sherbrooke University] LaSalle G.
Educ Med Salud 4:295-309, Oct-Dec 70 (Spa)

SUPPLY & DISTRIBUTION

Are we building too many medical schools? Castleton KB. JAMA 216:1989-92, 21 Jun 71
A third medical school? NZ Med J 72:404-5, Dec 70
[Supply and distribution of physicians and medical schools] Takemi T.
J Jap Med Assoc 65:1291-5, 15 May 71 (Jap)

UTILIZATION

Research in delivery of female health care. What shall be the role of the university department of obstetrics and gynecology? Prystowsky H, et al.
Am J Obstet Gynecol 110:1055-60, 15 Aug 71
The potential of prepaid group practice in community medicine teaching programs. Vayda E.
Milbank Mem Fund Q 48:129-43, Apr 70

SCHOOLS, NURSERY (I)

Relationship between nursery school behavior patterns and later school functioning. Chamberlin RW Jr, et al.
Am J Orthopsychiatry 41:597-601, Jul 71
Reactions of eleven nursery teachers and assistants to the Peabody Language Development Kit. Quigley H.
Br J Educ Psychol 41:155-62, Jun 71
The value of a parent operated pre-school center to personnel in the preventive health field. Kleisinger G.
Can J Public Health 62:23-6, Jan-Feb 71
Psychological consultation in a preschool. Balter L.
Children 18:105-8, May-Jun 71
Autotelic training for deprived children. Meier JH.
Curr Psychiatr Ther 10:30-45, 1970
Special considerations in the operation of a Head Start program by a community child guidance clinic. Nir Y, et al. J Am Acad Child Psychiatry 9:379-93, Apr 70
The day care of children. The need for services. Henley DF. R Soc Health J 90:36-9, Jan-Feb 70
[Epidemiology of enterobiosis in preschool children] Palička P.
Cesk Epidemiol Mikrobiol Imunol 19:298-303, Nov 70 (Cze)
[Communicable diseases in child care homes] Hoen E.
Dtsch Med Wochenschr 95:2097, 9 Oct 70 (Ger)
[Dental health education in day nurseries and kindergartens] Schuster W.
Dtsch Stomatol 21:224-7, Mar 71 (Ger)
[Relationships between EEG-estimated age and psychomotor development in children from nursery homes] Pechstein J, et al.
Nervenarzt 42:79-85, Feb 71 (Ger)
[Why do nursery school pupils collect horror pictures?] Bonnekamp R.
Prax Kinderpsychol Kinderpsychiatr 19:297-300, Nov-Dec 70 (Ger)
[Hygienic control with attempt of measuring the hygienic level--evaluation and use of gained results based on an example of kindergarten] Felgenträger HJ. Z Gesamte Hyg 16:794-8, Oct 70 (Ger)
[Quality analysis of school and kindergarten meals in a county district in the year 1969] Kempke R.
Z Gesamte Hyg 16:600-1, Aug 70 (Ger)
[Nutritional situation of preschool children in Berlin kindergartens] Theodor B, et al.
Z Gesamte Hyg 16:905-7, Dec 70 (Ger)
[Nutritional hygiene analysis of the lunch in Berlin kindergartens] Theodor H, et al.
Z Gesamte Hyg 16:908-10, Dec 70 (Ger)
[Epidemiology of streptococcal infections in nursery schools] Köhler W, et al.
Zentralbl Bakteriol [Orig] 214:440-9, 1970 (Ger)
[Hygienic assessment of radiation heating in preschool institution buildings] Genesskaia RI.
Gig Sanit 35:102-3, Nov 70 (Rus)
[Hygienic virologic characteristics of household articles in certain children's institutions] Grigor'eva LV, et al. Gig Sanit 35:103-5, Mar 70 (Rus)
[Physical development of kindergarten pupils of Petrozavodsk] Kuz'min EM.
Gig Sanit 35:105-7, Feb 70 (Rus)
[Hygienic evaluation of large preschool institutions] Rogachevskaia LG, et al.
Gig Sanit 35:27-31, Dec 70 (Rus)
[Functional status of the organism in nursery school children during routine activities] Sapozhnikova RG, et al. Gig Sanit 35:41-5, Feb 70 (Rus)
[Influence of lamblia upon the health of children attending nurseries] Akimova RF.
Med Parazitol (Mosk) 38:272-7, May-Jun 69 (Rus)
[Features of epidemiology of ascaridiasis in the Zhdanov district of Moscow (the role of soil in infection with ascaridosis in children of pre-school institutions)] Derevitskaia VV.
Med Parazitol (Mosk) 39:188-90, Mar-Apr 70 (Rus)
[Effectiveness of treatment of strabismus and its complications in a specialized kindergarten] Khaletskaia LIa, et al.
Oftalmol Zh 25:341-3, 1970 (Rus)
[Requirements of working women for establishments for collective care of the youngest preschool children] Shcherbakov VN.
Sov Zdravookhr 29:13-8, 1970 (Rus)
[Nursery schools and pediatricians] Bergqvist G.
Lakartidningen 68:1844-5, 14 Apr 71 (Swe)
[Organization and effectiveness of filtration wards in nurseries] Kitel' VS, et al.
Pediatr Akush Ginekol 2:27-8, Mar-Apr 70 (Ukr)
[Organization and effectiveness of isolation wards in nurseries of Donetsk region] Kobets' GP, et al.
Pediatr Akush Ginekol 2:26-7, Mar-Apr 70 (Ukr)
[Clinical manifestations and therapy of respiratory diseases of adenoviral etiology in nurseries] Reshetkina LP, et al.
Pediatr Akush Ginekol 1:17-8, Jan-Feb 71 (Ukr)

STANDARDS

A survey of nursery schools in Baroda. Shah SB, et al.
Indian Pediatr 8:71-3, Feb 71
[Progress in the realization of minimal hygiene standards for kindergardens since September 27, 1963

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in a county district in 1969] Kempke R.
Z Gesamte Hyg 16:589-91, Aug 70 (Ger)
[Hygienic aspects of planning and construction of children's institutions in the Far North] Korenevskaia EI, et al. Gig Sanit 35:38-42, Nov 70 (Rus)

SCHOOLS, NURSING (I, N2)

Audio slides streamline interviews. Henricks MJ. Can Nurse 67:35-6, Aug 71
Inservice education benefits all teachers. Oatway L. Can Nurse 67:32-4, Aug 71
An effective recruitment campaign. Byrum GB. Hospitals 45:80 passim, 16 May 71
Private university contributes to community health through a continuing nursing education program. Trussel PM, et al. Int Nurs Rev 18:66-75, 1971
Three of a kind. Anstice E. Nurs Times 67:57-62, 14 Jan 71
Rhode Island Junior College Associate Degree Nursing Program. McGoldrick C. RI Med J 54:27-8 passim, Jan 71
[The social and demographic implications of the changes in educational requirements for admission to schools of nursing in Israel] Bergman R, et al. Harefuah 78:361-2, 1 Apr 70 (Heb)

SCHOOLS, PHARMACY (I, N2)

Establishment of a university radiation safety office. Ice RD. Health Phys 20:444-6, Apr 71
[Teaching of pharmacognosy at schools in pharmacy in the USSR] Hammermann A, et al. Planta Med 18:291-4, Aug 70 (Ger)

SCHOOLS, PUBLIC HEALTH (I, N2)

Schools of public health--how relevant to the 1970s? Kimmey JR. Am J Public Health 60:2086-9, Nov 70
Schools of public health in the USA and Canada. (Year ending June 1970). Troupin JL. Am J Public Health 60:2395-9, Dec 70
[The School of Public Health, Gothenburg] Björnsson J, et al. Tidsskr Nor Laegeforen 91:1008-11, 10 May 71 (Nor)
[Survey on the public health schools of Latin America] Horwitz A. Educ Med Salud 3:163-6, Jul-Sep 69 (Spa)
[Department for Development of Human Resources of the PHO. Public health schools in Latin America] Educ Med Salud 3:167-216, Jul-Sep 69 (Spa)

SCHOOLS, VETERINARY (I, N2)

[The organization of the Faculty of Veterinary Medicine of the University of Saskatchewan, Saskatoon, Canada] Dozza G, et al. Arch Vet Ital 21:245-61, 31 Aug 70 (Ita)

HISTORY

The history of the University of Sydney, the Faculty of Veterinary Science and the Post-Graduate Foundation in veterinary science. Butterfield RM. Aust Vet J 46:553-6, Nov 70
[40th anniversary of the Armavir Zooveterinary Technical Institute] Nikiforov V. Veterinariia 12:95-6, Dec 70 (Rus)
[From the history of the Warsaw Veterinary Institute] Nikol'skif NM. Veterinariia 12:103-4, Dec 70 (Rus)

SCHUELLER-CHRISTIAN DISEASE see

HAND-SCHUELLER-CHRISTIAN SYNDROME (C9)

SCHWALBE'S NUCLEUS see under VESTIBULAR

NUCLEI (A8)

SCHWANN CELLS (A8, A11)

Number of fibres per sheath cell and internodal length in cat cranial nerves. McFarland DE, et al. J Anat 109:169-76, May 71
Dilatations and inclusions of rough endoplasmic reticulum in cells of mammalian sympathetic ganglia. Williams TH, et al. Z Anat Entwicklungsgesch 133:161-71, 1971
[Presence of crystalline inclusions in Schwann cells in several peripheral neuropathies] Lyon G, et al. C R Acad Sci [D] (Paris) 271:1000-2, 21 Sep 70 (Fre)

IMMUNOLOGY

[Phagocytic function of Schwann cells] Zhabotinskif IuM, et al. Tsitologiia 13:600-3, May 71 (Rus)

SCIATIC NERVE (A8)

Transport of herpes simplex virus in peripheral nerves. Kristensson K, et al. Acta Physiol Scand 13-4, 1970
Femoral and sciatic compression neuropathy. Kubacz GJ. Br J Surg 58:580-2, Aug 71
Neurofibrosarcoma of sciatic nerve. Rao SB, et al. Indian J Cancer 7:226-9, Sep 70
Delayed sciatic-nerve entrapment following the use of self-curing acrylic. A case report. Casagrande PA, et al. J Bone Joint Surg [Am] 53:167-9, Jan 71
Yoga foot drop. Chusid J. JAMA 217:827-8, 9 Aug 71
[Therapy of the root compression syndrome] Krayenbühl H. Dtsch Med Wochenschr 96:220, 29 Jan 71 (Ger)
[Compression of posterior tibial nerve in the retromalleolar canal caused by tendon ganglion] Rinonapoli E. Arch Putti Chir Organi Mov 24:379-82, 1969 (Ita)
[Clinical and instrumental contribution to the knowledge of painful iatrogenic paralyzing sciatica (PIPS) in the adult and pediatric age] Tuvo F, et al. Minerva Med 62:784-91, 24 Feb 71 (Ita)

ANALYSIS

Histochemistry of myelin. XII. Anionic staining of myelin basic proteins for histology, electrophoresis and electron microscopy. Adams CW, et al. J Neurochem 18:389-94, Mar 71
The interaction between peripheral nerve polyanions and Alcian blue. Langley OK. J Neurochem 17:1535-41, Nov 70
[Proteolipids of the white substance of different parts of the dog brain, spinal cord and sciatic nerve] Buniatian GKh, et al. Dokl Akad Nauk SSSR 198:449-52, 1971 (Rus)

ANATOMY & HISTOLOGY

The geometry of peripheral myelin sheaths during their formation and growth in rat sciatic nerves. Webster H de F. J Cell Biol 43:348-67, Feb 71
The effect of undernutrition on myelination of rat sciatic nerve. Hedley-Whyte ET, et al. Lab Invest 24:156-61, Feb 71
[Innervation of the tibiotarsal joint (articulatio talocruralis)] Champetier J. Acta Anat (Basel) 77:398-421, 1970 (Fre)
[Clinico-anatomical observations on the connection between the sciatic nerve root and the sympathetic rami] Nishimura S. Nippon Ika Daigaku Zasshi 38:21-9, Feb 71 (Jap)
[The tibial and common peroneal nerves in man and macaca] Zaluska S, et al. Folia Morphol (Warsz) 30:183-90, 1971 (Pol)

BLOOD SUPPLY

Ischemic nerve injury. Experimental studies on intraneural microvascular pathophysiology and nerve function in a limb subjected to temporary circulatory arrest. Lundborg G. Scand J Plast Reconstr Surg Suppl 6:3-113, 1970
[Similarities and differences in the intratrunk angioarchitectonics of some cranial and spinal nerves during experimental collateral circulation] Leftes AL, et al. Arkh Anat Gistol Embriol 57:57-63, 1969 (Rus)

CYTOLOGY

The perineurium as a diffusion barrier to protein tracers. Differences between mature and immature animals. Kristensson K, et al. Acta Neuropathol (Berl) 17:127-38, 1971
Myelin structure and retention of cholesterol in frog sciatic nerve embedded in a resorcinol-formaldehyde resin. Robertson JG, et al. Biochim Biophys Acta 219:379-87, 1 Dec 70
The geometry of peripheral myelin sheaths during their formation and growth in rat sciatic nerves. Webster HD. J Cell Biol 43:348-67, Feb 71
Permeability of vasa nervorum and perineurium in mouse sciatic nerve studied by fluorescence and electron microscopy. Olsson Y, et al. J Neuropathol Exp Neurol 30:105-19, Jan 71
[Schmidt-Lantermann clefts and paranodal bulbs of the sciatic nerve] Düllmann J, et al. Z Anat Entwicklungsgesch 132:350-8, 1970 (Ger)
[Quantitative studies on the myelin sheaths of frog and Rhesus monkey sciatic nerves with special consideration of the Schmidt-Lanterman clefts] Wulfhekel U, et al. Z Anat Entwicklungsgesch 134:298-310, 1971 (Ger)
[Analysis of peripheral nerve fibres in animals of different body size. I. Total fibre count, fibre size, and nerve conduction velocity] Schnepp G, et al. Z Zellforsch Mikrosk Anat 119:77-98, 1971 (Ger)
[Analysis of peripheral nerve fibres in animals of different body size. II. Ratio of axon diameter to fibre diameter and internodal length] Schnepp P, et al. Z Zellforsch Mikrosk Anat 119:99-114, 1971 (Ger)

DRUG EFFECTS

Metabolic dependence of resting and action potentials of frog nerve. Segal JR. Am J Physiol 219:1216-25, Nov 70
Formation of a piperidinium derivative from N-(5'-chloropentyl)-N-methylaminoaceto-2,6-xylidide in relation to the sustained local anaesthetic action on the sciatic nerve of the guinea-pig in vivo. Ross SB, et al. Nature [New Biol] 230:274-5, 28 Apr 71
[Comparative study of the local anesthetic action of beta-blocking compounds, performed on isolated nerve fiber] Mitolo-Chieppa D, et al. Boll Soc Ital Biol Sper 47:15-7, 15 Jan 71 (Ita)
[Evaluation of the clotting system and fibrinolysis after 1-stage novocaine parasciatic blockade in patients with obliterating atherosclerosis of the lower limbs] Kempf Z. Przegl Lek 26:735-7, 30 Sep 70 (Pol)

EMBRYOLOGY

Cholesterol, cholesterol esters and cholesterol esterase in the sciatic nerve during development of the chick. Mezei C, et al. J Neurochem 18:463-8, Mar 71

ENZYMOLOGY

The accumulation of Dopa-decarboxylase and MAO activity in rat sciatic nerves after constriction. Jonason J. Acta Physiol Scand 11, 1970
A possible role of lysosomal accumulation in constricted sciatic nerves. Laduron P. Acta Physiol Scand 14-5, 1970
Adenyl cyclase, cyclic nucleotide phosphodiesterase and axoplasmic flow. Bray JJ, et al. Brain Res 26:385-94, 5 Mar 71
Thiamine pyrophosphatase activity in a fraction rich in golgi-like structures from crushed sciatic nerve of the cat. Pellegrino de Iraldi A, et al. J Neurochem 17:1601-6, Nov 70

GROWTH & DEVELOPMENT

Experimental observations in peripheral nerves in undernourished rats. Sima A, et al. Acta Pathol Microbiol Scand [A] 79:310, 1971
[Effects of thyroid deficiency and underfeeding on growth and myelination of the sciatic nerve fibers in the young white rat. An electron microscopic study] Clos J, et al. Brain Res 22:285-97, 16 Sep 70 (Fre)

INJURIES

Comparison of nerve regeneration rates following controlled freezing or crushing. Gaster RN, et al. Arch Surg 103:378-83, Sep 71
Injection injury of the sciatic nerve. Clark K, et al. Clin Neurosurg 17:111-25, 1969 (24 ref.)
Prolonged in vivo observations of normal peripheral nerve fibres and their acute reactions to crush and deliberate trauma. Williams PL, et al. J Anat 108:397-408, Apr 71
Rapid accumulation of acetylcholine in nerve above a crush. Häggendal CJ, et al. J Pharm Pharmacol 23:552-5, Jul 71
Femoral shaft fracture with sciatic nerve palsy. Neer CS 2d, et al. JAMA 214:2307-11, 28 Dec 70
[Isolated paralysis of the common peroneal nerve in pelvic and hip fractures] Jastrzebski T. Chir Narzadow Ruchu Ortop Pol 35:717-9, 1970 (Pol)

METABOLISM

Transport of fluorescent protein tracer in peripheral nerves. Kristensson K. Acta Neuropathol (Berl) 16:293-300, 1970
Age-dependant variations in the spread of exogenous proteins in peripheral nerve. Kristensson K, et al. Acta Pathol Microbiol Scand [A] 79:310-1, 1971
Effect of cut, ligation or crush on the synthesis and transport of amine storage granules in rat sciatic nerve. Karlström L, et al. Acta Physiol Scand 12, 1970
Incorporation of tritiated precursors in the cytoplasm of normal and chromatolytic sensory neurons as shown by autoradiography. Kung SH. Brain Res 25:656-60, 5 Feb 71
RNA synthesis in peripheral nerve in the chick during development. Hu YW, et al. Can J Biochem 49:320-7, Mar 71
Effect of acriflavine and ethidium bromide on the synthesis of RNA of the peripheral nerve in the chick during development. Mezei C, et al. Can J Biochem 49:463-7, Apr 71
Effects of electrical stimulation on the efflux of L-glutamate from peripheral nerve in vitro. DeFeudis FV. Exp Neurol 30:291-6, Feb 71
Cholesterol, cholesterol esters and cholesterol esterase in the sciatic nerve during development of the chick. Mezei C, et al. J Neurochem 18:463-8, Mar 71
Dependence of fast axoplasmic transport in nerve on oxidative metabolism. Ochs S, et al. J Neurochem 18:107-14, Jan 71
A method for superfusing the rat sciatic nerve in vivo. Keen P, et al. J Physiol (Lond) 216:8P-9P, Jul 71
Fast axonal transport in cat ventral motoneurons. Held I, et al. Neurology (Minneap) 20:395, Apr 70
Correlation of conduction velocity and O 2 consumption rate in frog sciatic nerve. Vasilescu V, et al. Rev Roum Physiol 7:35-8, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PATHOLOGY

The effect of experimental constriction on the structure of the sciatic nerve. Haideman S, et al. S Afr Med J 44:888-92, 8 Aug 70

PHYSIOLOGY

Frequent excitation of the nerve and muscle. Biró G, et al. Acta Biochim Biophys Acad Sci Hung 5:99-104, 1970
Electrophysiologic responses of sciatic nerves exposed to 200-kV x-rays and 47.5-MeV protons. Gaffey CT. Adv Biol Med Phys 13:351-71, 1970
Environmental modification of sciatic nerve conduction velocity in Rana pipiens. Meyer JR, et al. Am J Physiol 220:1383-7, May 71
Determination of peripheral sensory nerve conduction velocities in man from stimulus response delays of the cortical evoked potentials. Ball GJ, et al. Electroencephalogr Clin Neurophysiol 30:409-14, May 71
Fast axoplasmic transport in mammalian nerve in vitro after block of glycolysis with iodoacetic acid. Ochs S, et al. J Neurochem 18:833-43, Jun 71
Development of acetylcholine sensitivity in muscle following blockage of nerve impulses. Lomo T, et al. J Physiol (Lond) 216:52P-53P, Jul 71
Potassium inactivation in frog nerve membrane. Lewis R. Life Sci [I] 10:251-8, 1 Mar 71
Threshold and conduction velocity in isolated mixed mammalian nerves. Wiederholt WC. Neurology (Minneap) 20:347-52, Apr 70
The response of maximal and submaximal action potentials from frog sciatic nerve to 200-kV x-rays. Gaffey CT. Radiat Res 45:311-25, Feb 71
[Effect of chronic stimulation of the sciatic nerve on blood serum proteins and water-soluble liver proteins] Ivaniura IA, et al. Biull Eksp Biol Med 68:49-51, Oct 69 (Rus)
[Comparative characteristics of the electrical excitability of the sciatic nerve in experimental manual and mechanical suture] Boev IuM, et al. Eksp Khir Anesteziol 15:55-7, Mar-Apr 70 (Rus)
[Anatomical basis of the Lazarevic-Lasègue test] Mandić V, et al. Lijec Vjesn 92:1131-46, 1970 (Cro)

PHYSIOPATHOLOGY

Experimental progressive compression neuropathy in the rabbit. Histologic and electrophysiologic studies. Aguayo A, et al. Arch Neurol 24:358-64, Apr 71
The effect of undernutrition on myelination of rat sciatic nerve. Hedley-Whyte ET, et al. J Neuropathol Exp Neurol 30:130-1, Jan 71
The effect of constriction on the conduction of the action potential in the sciatic nerve. Haldeman S, et al. S Afr Med J 44:903-6, 8 Aug 70

RADIATION EFFECTS

Electrophysiologic responses of sciatic nerves exposed to 200-kV x-rays and 47.5-MeV protons. Gaffey CT. Adv Biol Med Phys 13:351-71, 1970

RADIOGRAPHY

[Experimental study on the flow of oil contrast media around the subdural and epidural space of the spinal cord and peripheral nerve trunk] Nasu T. J Jap Orthop Assoc 45:243-55, Apr 71 (Jap)

SURGERY

Changes in acetylcholinesterase, acid phosphatase and beta glucuronidase proximal to a nerve crush. Johnson JL. Brain Res 18:427-40, 17 Mar 70
An electron microscopic study of regenervation in sutured rat sciatic nerves. Hudson A, et al. Surg Forum 21:451-3, 1970
[Possibilities and limits of regeneration of the sciatic nerve in the rabbit] Valentin P, et al. Rev Chir Orthop 57:187-202, Apr-May 71 (Fre)
[Experimental results with "sutureless" nerve anastomosis using collagen tubes] Berger A, et al. Acta Neurochir (Wien) 23:141-9, 1970 (Ger)

TRANSPLANTATION

[Revivescence of homografts of nerves preserved in Cialit in dogs: preliminary study] Gignoux M, et al. Experientia 27:393-5, 15 Jan 71 (Fre)
[Experimental technic and results of homologous nerve transplantation] Seiffert KE, et al. Langenbecks Arch Chir 322:598-601, 1968 (Ger)

SCIATICA (C10)

see also related
INTERVERTEBRAL DISK DISPLACEMENT (C3)

Sacral-nerve-root cysts and sciatica. Braham J. Lancet 1:45, 2 Jan 71
[Radicular lumbo-sacral syndrome and its treatment in hospital environment] Bernbach H, et al. Rev Med Suisse Romande 90:945-56, Dec 70 (Fre)
[Sciatica and L4-L5 and L5-S1 disk hernias] Navarro Artiles G, et al. Rev Clin Esp 119:293-6, 30 Dec 70 (Spa)

CHEMICALLY INDUCED

[Clinical and instrumental contribution to the knowledge of painful iatrogenic paralyzing sciatica (PIPS) in the adult and pediatric age] Tuvo F, et al. Minerva Med 62:784-91, 24 Feb 71 (Ita)

DIAGNOSIS

[Electromyography and lombosciatica: apropos of 200 cases] Berato J, et al. Rhumatologie 23:47-60, Feb 71 (Fre)
[A method of deep baralgesimetry in lumbosacral radiculitis] Naĭzberg IaM. Vrach Delo 119-20, Jan 71 (Rus)
[The Lazarević-Lasègue sign] (Lazarević LK), Pečina M, et al. Lijec Vjesn 92:228-31, 1970 (Cro)

DRUG THERAPY

A method of treating sciatic pain. Sawyer HP Jr. J Maine Med Assoc 61:227-31, Nov 70
Treatment of sciatica due to intervertebral disc herniation with chymoral tablets. Gaspardy G, et al. Rheumatol Phys Med 11:14-9, Feb 71
[On the clinical trial of an association of chlorzoxazone and dimethyl-amino-antipyrine (Oferal)] Bobulesco V, et al. Rev Med Chir Soc Med Nat Iasi 74:729-33, Jul-Sep 70 (Fre)
[Escarine (reparyl) in the lumbosciatic block] Caminiti G, et al. Minerva Anestesiol 35:749-51, Jul 69 (Ita)
[Therapeutic possibilities, in the orthopedic field, of an association of vitamins B1-B6-B12-dichloroethanoate of diisopropylammonium with a new synthetic compound (Ethoxyhydrazone)] Padua S. Minerva Med 62:2383-7, 13 Jun 71 (Ita)
[Indocid in the treatment of acute lumbago and lumbosciatic algias] Trabucchi L, et al. Minerva Ortop 20:432-8, Sep 69 (Ita)
[Clinical tests of the anti-analgesic action of hydroxocobalamin in lumbar and sciatic pains] Laredo Júnior J, et al. Hospital (Rio de J) 78:451-64, Aug 70 (Por)
[Progress made in therapy of spondylosis and disk arthroses] Dumitru CG, et al. Med Interna (Bucur) 23:163-75, Feb 71 (Rum)
[Treatment of certain cases of sciatica by the Lièvre method of transsacral infiltration] Domljan Z, et al. Reumatizam 17:206-11, 1970 (Cro)

ETIOLOGY

Electrolytic reaction to dissimilar metals as a cause of sciatica: a case report. Bhalla SK, et al. Can J Surg 11:52-6, Jan 68
Uncommon causes of sciatica. Maroun FB, et al. Can Med Assoc J 103:1292-5, 5 Dec 70
Late sciatic-nerve palsy following posterior fracture-dislocation of the hip. A case report. Kleiman SG, et al. J Bone Joint Surg [Am] 53:781-2, Jun 71
Sciatica caused by sacral-nerve-root cysts. Clarke GR, et al. Lancet 2:1135-6, 28 Nov 70
Sciatica caused by sacral-nerve-root cysts. Williams B. Lancet 1:137, 16 Jan 71
[Sciatica due to "large cul-de-sac"] Carayon A, et al. Bull Soc Med Afr Noire Lang Fr 14:51-7, 1969 (Fre)
[Sciatica and spinal anomalies. (10 cases)] Carayon A, et al. Bull Soc Med Afr Noire Lang Fr 14:42-50, 1969 (Fre)
[Lumbosacral spinal deformities and the cause of the appearance of lumbalgia and lumbosciatica (1,000 cases): medicolegal aspects] Winninger J. Med Leg Domm Corpor (Paris) 2:65-7, Jan-Mar 69 (Fre)
[Surgical treatment of disk hernia is not applied to so-called "refractory" sciatica] Gailbert P, et al. Sem Hop Paris 47:290-4, 26 Jan 71 (Fre)
[Sciatica and the importance of mechanical etiology in diseases of the peripheral nervous system] Voigt W. Z Aerztl Fortbild (Jena) 64:135-9, 1 Feb 70 (Ger)
[Anatomical study of vertebro-radicular vascularization in relation to paralyzing sciaticas] Frignani R, et al. Arch Putti Chir Organi Mov 25:78-84, 1970 (Ita)
[Multiple posterior protrusions of the intervertebral disks] Lo Monte G. Arch Putti Chir Organi Mov 25:65-77, 1970 (Ita)
[Oncogenic spinal sciatica] Fortuna A, et al. Policlinico [Chir] 77:306-17, Nov-Dec 70 (Ita)
[Disturbances of blood supply to lower extremities in the course of sciatica due to ruptured intervertebral disk] Tokarowski A, et al. Chir Narzadow Ruchu Ortop Pol 36:51-6, 1971 (Pol)
[Traumatic mechanism of the nucleus pulposus herniation in young people] Piórkowski J, et al. Neurol Neurochir Pol 4:571-4, Sep-Oct 70 (Pol)
[Compression of the nerve root in the lateral recess of the spinal canal as a source of ischialgia syndrome] Ass IaK. Ortop Travmatol Protez 31:34-6, Jun 70 (Rus)
[Lumbar sciatica without diskal hernia] Luxardo JC. Rev Sanid Milit Argent 69:197-204, Jul-Dec 70 (Spa)

OCCURRENCE

[Decreasing lumbosacral radiculitis morbidity among miners] Grin'ko EP. Vrach Delo 127-30, Jan 71 (Rus)

PHYSIOPATHOLOGY

[Study of erector trunci muscles tension in sciatica] Dylewska D, et al. Neurol Neurochir Pol 5:205-10, 1971 (Pol)

RADIOGRAPHY

Some observations on the value and techniques of myelography in lumbar disc lesions. The results over a five year period at the Nuffield orthopaedic centre, Oxford. Wright FW, et al. Clin Radiol 22:33-43, Jan 71
[Saccoradiculography with hydrosoluble iodine products in diagnosis of sciatica and lumbosciatica] Buffard P, et al. J Radiol Electrol Med Nucl 50:541-2, Jul-Aug 69 (Fre)
[Combined exploration air myelography-discography in lumbar rheumatology] Chaoust Y, et al. Rev Rhum Mal Osteoartic 38:299-305, Apr 71 (Fre)

RADIOTHERAPY

[Radiodermatitis after treatment of neurologic diseases] Dufourmentel C, et al. Rev Neurol (Paris) 124:76-9, Jan 71 (Fre)

SURGERY

[Results of a series of 50 interventions for sciatica] Picault C, et al. Rev Lyon Med 19:685-91, 15 Nov 70 (Fre)
[Radical decompression of the cauda equina in spondylolisthesis with iliac-lumbar extension stiffness and sciatica] Schlegel KF. Langenbecks Arch Chir 322:584-7, 1968 (Ger)
[Contribution of surgical orthopedics to cure of vertebral sciaticas] Radu C. Med Interna (Bucur) 23:177-82, Feb 71 (Rum)

THERAPY

Sciatica and the straight-leg-raising test in manipulative treatment. Grieve GP. Physiotherapy 56:337-46, Aug 70
A comparison between epidural anaesthesia with and without corticosteroid in the treatment of sciatica. Béliveau P. Rheumatol Phys Med 11:40-3, Feb 71
[Sciatic neuralgia] Lièvre JA. Rev Med Liege 22:445-54, 15 Aug 67 (Fre)
[Additional experiences with the conservative treatment of sciatica] Thomsen W. Munch Med Wochenschr 113:383-7, 12 Mar 71 (Ger)
[On methods of functional rehabilitation in lumbosciatica caused by disk displacement] Serban E, et al. Med Interna (Bucur) 23:215-8, Feb 71 (Rum)
[Physical medical treatment and rehabilitation of lumbosciatica caused by disk diseases] Saldias E. Rev Med Chil 98:637-42, 1970 (Spa)

SCIENCE (H)

see also related
RELIGION AND SCIENCE (K)

Proposal of general, ethical statement for natural scientists. Dullaart J. Acta Biotheor [A] (Leiden) 19:212-4, 1970
Priority setting for R&D at the national level. De Hemptinne Y, et al. Acta Cient Venez 21:165-79, 1970
Compassion and competence. Hubbard WN Jr. Ala J Med Sci 7:251-5, Jul 70
The place of ergonomics in science and industry. Dukes-Dobos FN. Am Ind Hyg Assoc J 31:565-71, Sep-Oct 70
Sensory deprivation, preconscious processes and scientific thinking. Shore E. Am J Orthopsychiatry 41:574-80, Jul 71
Scientific thought: a force in human life. Cassidy HG. Am Sci 58:476-8, Sep-Oct 70
Every careless word that men utter. II. The language of science. DeBakey L. Anesth Analg (Cleve) 49:827-34, Sep-Oct 70
Science writers, physiciands, an the public--ménage à trois. Page IH. Ann Intern Med 73:641-7, Oct 70
Organizing the scientific paper. Forscher BK, et al. ASHA 12:494-7, Oct 70
Call for junior scientist awards manuscripts. ASHA 13:69-70, Feb 71
Gene expression in bacteria and some concerns about the misuse of science. Beckwith JR. Bacteriol Rev 34:222-7, Sep 70 (29 ref.)
Principles and methods of obscurantism. Kohn A. CA 20:361-4, Nov-Dec 70
The shapin of psychiatry by science and humanism. II.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

An emerging synthesis of science and humanism. Cleghorn RA.
Can Med Assoc J 103:933-41, 24 Oct 70 (78 ref.)
Psychoanalysis as science and profession. Prospects and challenges. Ritvo S.
J Am Psychoanal Assoc 19:3-21, Jan 71
The social responsibility of the scientist. Morton RA.
J Biosoc Sci 3:69-79, Jan 71
Behavior therapy as a scientific discipline. Eysenck HJ.
J Consult Clin Psychol 36:314-9, Jun 71
The differential predictive validity of science MCAT in the admissions process. Stefanu C, et al.
J Med Educ 46:461-3, May 71
Toward a science of rehabilitation. Childers RL.
J Rehabil 36:21-4, Nov-Dec 70
Key considerations in developing basic NRA policy on scientific rehabilitation research. Puth AD.
J Rehabil 36:9-15, Nov-Dec 70
Reformation required. JAMA 215:2104-5, 29 Mar 71
Science and non-science in psychiatry. Johnson FN.
Lancet 1:141-2, 16 Jan 71
Science and non-science in psychiatry. Slater E.
Lancet 1:599-600, 20 Mar 71
How others see it. Lancet 2:1171, 5 Dec 70
The development and organization of scientific knowledge. Med J Aust 1:358-9, 13 Feb 71
Public speaking--an organic approach. Special article. Anderson PC, et al. Mo Med 68:220-2, Apr 71
Training and purpose of the clinical scientist. Roach MR, et al. N Engl J Med 284:339-41, 11 Feb 71
Security clearance for scientists. Sobel EH.
N Engl J Med 284:341, 11 Feb 71
Hormones, horoscopes, and patient care.
N Engl J Med 283:1287-8, 3 Dec 70
Citation idiosyncrasies. Cleverdon CW, et al.
Nature (Lond) 228:1356-7, 26 Dec 70
Marriage and fertility in academic life. Hudson L, et al.
Nature (Lond) 229:531-2, 19 Feb 71
Extensions to the study of science students' divergent thinking ability. Rump EE, et al.
Nature (Lond) 229:349-50, 29 Jan 71
Advice to advisers. Nature (Lond) 229:292-3, 29 Jan 71
Academy critic shoots wildly but hits sore spot.
Nature (Lond) 229:151-2, 15 Jan 71
Dissent blooms at AAAS circus.
Nature (Lond) 229:81-2, 8 Jan 71
Goodbye Science Journal.
Nature (Lond) 228:305-6, 24 Oct 70
Science, drugs, and the Food and Drug Administration. De Haen P. NY State J Med 71:1644-50, 1 Jul 71
Social responsibility and the scientist in modern western society. Chain EB.
Perspect Biol Med 14:347-69, Spring 71
The role of industry in national science policy. The people's welfare: health and medicine. Tishler M.
Perspect Biol Med 13:528-36, Summer 70
Past-president's address. The joys of locomotion. Prosser CL. Physiologist 13:373-8, Nov 70
Science and antiscience. Ashby E.
Proc R Soc Lond [Biol] 178:29-42, 15 Jun 71
Science and man. Polanyi M.
Proc R Soc Med 63:969-76, Sep 70
Requirements of basic sciences in medical education. Tappin JW. Proc R Soc Med 64:606, Jun 71
Federal science: differences of opinion in the highest councils. Boffey PM. Science 170:1383-4, 25 Dec 70
U.K. scienc press: New Scientist absorbs sibling science journal. Btler M. Science 171:15760, 15 Jan 71
Science policy: Daddario panel urges new study, changes in OST. Carter LJ. Science 170:612-4, 6 Nov 70
Intrepid analysis of female scientists. Davenport D, et al. Science 171:521-2, 12 Feb 71
The Federal overnment and the scientific community. Handler P. Science 171:144-51, 15 Jan 71
"Science is too important to stay out of politics". Longo LD, et al. Science 171:334, 29 Jan 71
Advocacy in Congress. Schneider HA.
Science 172:13, 2 Apr 71
The code of science. Analysis and some reflections on its future. Cournand AF, et al.
Stud Gen (Berl) 23:941-62, 1970
Some implications of the scientiae for the future of mankind. Eccles JC. Stud Gen (Berl) 23:917-24, 1970
Hierarchy: from Lovejoy's great chain of being to Feibleman's great tree of being. (Lovejoy AO), (Feibleman JK), Kuntz PG.
Stud Gen (Berl) 24:678-87, 16 Jul 71
An appraisal of Feibleman's conception of the philosophy of science. (Feibleman JK), Takeda K.
Stud Gen (Berl) 24:673-7, 16 Jul 71
In defense of science. Weinberg AM.
Stud Gen (Berl) 23:797-807, 17 Sep 70
Research in education of the resident in ENT from the point of view of the basic scientist. Lawrence M.
Trans Am Acad Ophthalmol Otolaryngol 74:1110-3, Sep-Oct 70
[Art, science, research of the nature] Pazzini A.
Cas Lek Cesk 110:251-3, 12 Mar 71 (Cze)
[Personal responsibility of scientists at the present time] Steenbeck M.
Dtsch Gesundheitsw 25:2301-3, 3 Dec 70 (Ger)
[Changes of thinking structure in the progress of science] Heisenberg W.
Stud Gen (Berl) 23:806-16, 17 Sep 70 (Ger)
[The relation to practice in research. Early studies for the theoretical basis of science policy] Radnitzky G.
Stud Gen (Berl) 23:817-55, 17 Sep 70 (Ger)
[Responsibility of a scienti,t] Steenbeck M.
Z Aerztl Fortbild (Jena) 65:53-5, 1 Jan 71 (Ger)
[Science and research planning. Micro- and macrocosmos in terrestrial and extraterrestrial experiments] Graul EH, et al.
Z Allgemeinmed 46:1581-5, 20 Nov 70 (Ger)
[Problems of aging and the aged in the scientific-technical revolution (WTR)] Eitner S.
Z Alternsforsch 23:1-12, 1970 (Ger)
[Changes in society and science and their influence on the image, organization and administration of the modern hospital] Man KY.
Harefuah 78:271-4, 15 Mar 70 (Heb)
[The eyes in science, art and religion] Galvão PG.
Rev Bras Oftalmol 30:7-24, Mar 71 (Por)
[Is cultural relativism valid in the health sciences? Examination of its philosophical bases] Bastian E.
Rev Saude Publica 5:83-8, Jun 71 (Por)
[V. I. Lenin on the union of philosophy and natural science] Samborskif LK.
Oftalmol Zh 25:177-9, 1970 (Rus)
[Dissemination of medical and natural science knowledge in military circles] Baranov AT, et al.
Voen Med Zh 1:18-20, Jan 71 (Rus)
[Science and conscience] Cortés L.
Acta Cient Venez 22:33-6, 1971 (Spa)
[Is science necessary?] De Venanzi F.
Acta Cient Venez 21:129-34, 1970 (Spa)

EDUCATION

The contribution of surgeons to basic science: implications for medical education. Wilson H.
Ann Surg 173:623-7, May 71
Oversupply of Ph.D.'s. DiBiasio AG.
Eye Ear Nose Throat Mon 50:198, Jun 71
Basic science departments in the United Kingdom. Duncan AS. J Med Educ 45:945-8, Nov 70
The University of Pennsylvania plan to develop scientists in medical research. Terry LL, et al.
J Med Educ 46:610-3, Jul 71
Recruitment and training of medically qualified staff in the basic medical sciences. Harris PF.
Lancet 1:1237, 12 Jun 71
Training and purpose of the clinical scientist. Roach MR, et al. N Engl J Med 284:339-41, 11 Feb 71
Science teachers: ignored in a crisis. Woodburn JH.
Science 171:127-8, 15 Jan 71
[Influence of Doctor Ignacio Chávez in the development of the basic medical sciences] (Chávez I), Méndez R.
Prensa Med Mex 35:318-24, Jul-Aug 70 (Spa)

HISTORY

The attributes of genius from Newton to Darwin (John Hunter). (Hunter J), Atkins H.
Ann R Coll Surg Engl 48:193-218, Apr 71
Ninety-fourth critical bibliography of the History of Science and its cultural influences (to January 1969). Neu J. Isis 60:5-219, 1969
Ninety-third Critical Bibliography of the history of science and its cultural influences: (to January 1968). Isis 59:5-195, 1968
Benjamin Smith Barton, M.D. (Kiel). (Barton BS), Bell WJ Jr. J Hist Med 26:197-203, Apr 71
[The dependence of emperor's Frederik II views in natural sciences on the medical school of Salerno] Zahiten J. Sudhoffs Arch 54:173-210, Sep 70 (Ger)
[V.I. Lenin and science] (Lenin VI), Utkina NF, et al.
Antibiotiki 15:291-6, Apr 70 (Rus)
[Historic meeting (50th anniversary of the meeting of V.I. Lenin with a delegation of scientists under the leadership of A.M. (Lenin VI), (Gor'kif AM), (Steklov VA), (I'denburg SF), (Tonkov VN), Lev ID.
Arkh Anat Gistol Embriol 60:92-9, Jan 71 (Rus)
[Friedrich Engels and natural science (on the 150th anniversary of his birth)] (Engels F), Kryzhanovskif GN. Biull Eksp Biol Med 70:3-14, Nov 70 (Rus)
[Vladimir Il'ich Lenin and science]
Biull Eksp Biol Med 69:3-10, Apr 70 (Rus)
[F. Engel'S AND THE RELATIONSHIP BETWEEN PHILOSOPHY AND NATURAL SCIENCE] (Engels F), Savchuk IM. Oftalmol Zh 25:563-5, 1970 (Rus)
[Concern of V. I. Lenin for scientists and the development of science in our country] (Lenin VI), Chikin SIa, et al. Sov Med 33:3-10, 1970 (Rus)
[Friedrich Engels on the use of dialectics by natural scientists (on the 150th anniversary of his birth)] (Engels F), Tsaregorodtsev GI, et al.
Sov Zdravookhr 30:3-9, 1971 (Rus)
[V. I. Lenin's views on the use of the scientific heritage] (Lenin VI), Chikin SIa, et al.
Vestn Akad Med Nauk SSSR 26:6-13, 1971 (Rus)
[F. Engels, dialectics and naural science (on the 150th anniersary of his birth)] (Engels F), Tsaregorodtsev GI, et al.
Vestn Akad Med Nauk SSSR 25:3-14, 1970 (Rus)
[Philosophical questions concerning natural science in the works of Lenin] (Lenin VI), Kukuev LA.
Zh Nevropatol Psikhiatr 70:481-90, 1970 (Rus)
[Carlos Jiménez Díaz and the theory of scientific knowledge] (Jiménez Díaz C), Peset JL.
Rev Clin Esp 121:329-34, May 71 (Spa)

SCIENTIFIC SOCIETIES see under SOCIETIES, SCIENTIFIC (N3)

SCILLAREN see under SQUILL (B6, D5)

SCILLARENIN see under BUFANOLIDES (D2)

SCINTILLATION COUNTER see under RADIOMETRY (E1)

SCLERA (A9)

Experimentalnvestigations of the effect of various parts of the eye on the sound field in the ultrasonic method. Oksala A.
Acta Ophthalmol (Kbh) 48:1157-65, 1970
A combined localizer and scleral marker for retinal detachment surgery. Chawla H.
Am J Ophthalmol 70:852-3, Nov 70
Sclerocornea. Howard RO, et al.
Am J Ophthalmol 71:1254-8, Jun 71
Role of the blockade of Schlemm's canal in pathogenesis of primary open-angle glaucoma. Nesterov AP. Am J Ophthalmol 70:691-6, Nov 70
Scleritis and rheumatoid arthritis. Jayson MI, et al.
Ann Rheum Dis 30:343-7, Jul 71
Further experience with sutureless scleral buckling materials. II. Cyanoacrylate tissue adhesive. Calabria GA, et al. Arch Ophthalmol 86:82-7, Jul 71
Effects of ocular structures on propagation of ultrasound in the eye. Lizzi FL, et al.
Arch Ophthalmol 84:635-40, Nov 70
Tenonian flap autoplasty in nodular necrotizing scleritis. Frezzotti R, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1507-12, 1968
Oculomotor nerve paresis in a case of scleritis. Davies MS, et al. Br J Ophthalmol 55:196-8, Mar 71
Atavistic ocular ossicle. Mullaney J, et al.
Br J Ophthalmol 55:243-7, Apr 71
Flow of water in the sclera. Fatt I, et al.
Exp Eye Res 10:243-9, Oct 70
Management of the dry eye using scleral lenses (a report on 66 cases). Gould HL.
Eye Ear Nose Throat Mon 49:133-40, Mar 70
Necrotizing scleral degeneration treated with a graft of autogenous fascia lata. Bowers J, et al.
J Tenn Med Assoc 63:846-8, Oct 70
Experimental transscleral freezing at temperatures ranging from -20 to -160 degrees C. Brihaye M, et al.
Ophthalmologica 162:194-8, 1971
Transscleral migration of pigment following cryotherapy of intraocular glioma. Boniuk M, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:60-9, Jan-Feb 71
[Application of gel-contact scleral lenses for therapeutic use] Krejčí L.
Cesk Oftalmol 27:104-9, Mar 71 (Cze)
[Scleritis hyperplastica] Vrabec J.
Cesk Oftalmol 27:35-8, Jan 71 (Cze)
[New indications of fluorescein angiography of the anterior segment of the eye. IV. Several examples of scleral and corneal pathology] Amalric P, et al.
Ann Ocul (Paris) 204:731-8 concl, Jul 71 (Fre)
[Ophthalmologic signs in congenital porphyria] Girod P. Ann Ocul (Paris) 202:937-51, Sep 69 (Fre)
[Retinal detachment and scleral thinning] Dufour R, et al. Bull Mem Soc Fr Ophtalmol 82:208-22, 1969 (Fre)
[Scleral fragility and spontaneous vascular rupture in Marfan's syndrome] Seddik N, et al.
Bull Mem Soc Fr Ophtalmol 81:257-65, 1968 (Fre)
[Corneal deformation-tonometric weight relation as a method of expressing corneoscleral rigidity] Vancea PP. Bull Mem Soc Fr Ophtalmol 81:414-33, 1968 (Fre)
[A case of episcleritis revealing Horton's disease] Ardouin M, et al.
Bull Soc Ophtalmol Fr 69:95-101, Jan 69 (Fre)
[Case of nodular necrosing scleritis] Desvignes P, et al.
Bull Soc Ophtalmol Fr 68:470-2, Apr 68 (Fre)
[Limbic scleral cyst in a 4-year-old child] Hugonnier R, et al. Bull Soc Ophtalmol Fr 69:469-71, Apr 69 (Fre)
[Treatment with contact radiotherapy of epithelioma of the sclero-corneal limbus] Papillon J, et al.
J Radiol Electrol Med Nucl 51:718, Nov 70 (Fre)
[A standardized method for the surgical correction of senile ectropion, spastic entropion, paralytic lagophthalmos and general hypotonia of the eyelid] Marucci L. Minerva Oftalmol 11:9-13, Jan-Feb 69 (Ita)
[Uveo-scleral routes of aqueous humor outflow in cynomologus monkey (Macacairus)] Inomata H.
Folia Ophthalmol Jap 22:311, May 71 (Jap)

ABNORMALITIES

Bilateral peripapillary staphyloma with normal vision. Caldwell JB, et al.
Am J Ophthalmol 71:Suppl:423-5, Jan 71
Hereditary osteo-onychodysplasia. Spitalny LA, et al.
Am J Ophthalmol 70:604-8, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Penetrating keratoplasty in an infant with sclerocornea. Wood TO, et al.
Am J Ophthalmol 70:609-13, Oct 70
Surgical findings in van der Hoeve's syndrome. Kosoy J, et al. Arch Otolaryngol 93:115-22, Feb 71
Blue sclerae with keratoglobus and brittle cornea. Gregoratos ND, et al. Br J Ophthalmol 55:424-6, Jun 71
[Results of measurement of the corneoscleral rigidity in otosclerosis and Van der Hoeve-de Kleyn syndrome] Vrba M, et al.
Cesk Otolaryngol 20:79-81, Apr 71 (Cze)
[Ichthyosis in Lobstein's disease] Thulliez A, et al. Arch Belg Dermatol Syphiligr 24:37-40, 1968 (Dut)
[Van der Hoeve's syndrome. Observation of a case] Labayle J, et al.
Ann Otolaryngol Chir Cervicofac 88:189-90, Mar 71 (Fre)
[Anterior scleral staphyloma. Treatment with scleral graft (clinical presentation)] Bonnet M, et al. Bull Soc Ophtalmol Fr 70:527-9, Apr 70 (Fre)
[Case of sclero-megalo-cornea caused by rubella] Etienne R, et al.
Bull Soc Ophtalmol Fr 68:505-7, Apr 68 (Fre)
[Rupture of Descemet's membrane in the van der Hoeve-Lobstein syndrome with formation of a keratoschisis] Jaeger W.
Ber Dtsch Ophthalmol Ges 70:639-46, 1970 (Ger)
[Severe and unusual corneal manifestations in subjects with Van der Hoeve's blue sclera syndrome] Renna V, et al. Boll Ocul 48:588-618, Aug 69 (Ita)

ANATOMY & HISTOLOGY

The fine structure of human scleral collagen. Spitznas M. Am J Ophthalmol 71:68, Jan 71

BLOOD SUPPLY

Gonioscopic assessment of blood in Schlemm's canal. Correlation with glaucoma tests. Schirmer KE. Arch Ophthalmol 85:263-7, Mar 71
Studies of aqueous humor dynamics in man. I. Measurements in young normal subjects. Kupfer C, et al. Invest Ophthalmol 10:518-22, Jul 71
Applanation and Schiøtz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71

CYTOLOGY

Scanning electron microscopic studies of the canal of Schlemm. Bill A. Exp Eye Res 10:214-8, Oct 70
Microcirculation of the aqueous humour: ultrastructural study of the outflow mechanism. Tripathi RC. J Pathol 103:p8, Feb 71
The fine structure of the rabbit sclera with special reference to a peculiar structure in the fibroblast rough surfaced endoplasmic reticulum. Spitznas M, et al. Z Zellforsch Mikrosk Anat 118:439-48, 1971

DRUG EFFECTS

[Thalidomide embryopathy with peculiar eye changes] Welge-Lüssen L.
Klin Monatsbl Augenheilkd 158:372-8, Mar 71 (Ger)

ENZYMOLOGY

Suture absorption in rabbit cornea and sclera: enzyme histochemical and morphologic observations. Salthouse TN, et al.
Invest Ophthalmol 9:844-56, Nov 70

INJURIES

Occult intraocular perforations from brow and lid lacerations. Goldberg MF, et al.
Arch Ophthalmol 86:145-9, Aug 71
[Perforating wounds of the bulbus oculi; statistical study of their outcome in relation to the site of the wound and their type in relation to sex, age, profession and cause of the injury] Verraz R.
Minerva Oftalmol 11:1-8, Jan-Feb 69 (Ita)
[Comparative evaluation of the use of silk, biological sutures and MK-2 glue in penetrating wounds of the cornea and sclera] Malaev AA.
Oftalmol Zh 25:370-3, 1970 (Rus)

PATHOLOGY

Mucopolysaccharidosis type 3 (Sanfilippo's syndrome). Jensen OA.
Acta Pathol Microbiol Scand [A] 79:257-73, 1971
Intrascleral smooth muscle in coloboma of the optic disk. Electron microscopic verification. Font RL, et al.
Am J Ophthalmol 72:452-7, Aug 71
Necrotizing nodular scleritis. Rasmussen DH.
Arch Ophthalmol 84:836-7, Dec 70
New studies on the functional morphology of the trabecular meshwork and the outflow channels. Rohen JW. Trans Ophthalmol Soc UK 89:431-47, 1970
Ultrastructure of the trabecular wall of Schlemm's canal. (A study of normotensive and chronic simple glaucomatous eyes). Tripathi RC.
Trans Ophthalmol Soc UK 89:449-65, 1970
[Light- and electron-microscopical observations of rheumatoid nodule] Ryo F.
Acta Soc Ophthalmol Jap 75:252-5, 20 Jan 71 (Jap)

PHYSIOLOGY

Corneal grafts and their effect upon the applanation Schiøtz disparity. Buxton JN, et al.
Arch Ophthalmol 86:28-30, Jul 71
Applanation and Schiotz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71
[Comparative experimental studies concerning the rupture resistance of the sclera after application of electrocoagulation and cryothermy] Matthäus W, et al.
Albrecht von Graefes Arch Klin Ophthalmol 179:358-65, 1970 (Ger)
[Progressive studies on the tensile strength of the sclera of rabbits after electrocoagulation and application of cold] Matthäus W, et al.
Ophthalmologica 162:146-50, 1971 (Ger)

PHYSIOPATHOLOGY

A method of determining the site of outflow resistance. Strachan I. Trans Ophthalmol Soc UK 89:467-73, 1970
[Transitory corneal astigmatism due to superior eyelid chalazion, in patients with lowered scleral rigidity] Rathschüler R.
Ann Ottalmol Clin Ocul 96:365-9, Jul 70 (Ita)

RADIOGRAPHY

[Peroperative localization of marginal intraocular foreign bodies with projected coordinates on the sclera] Athanasiu M.
Bull Mem Soc Fr Ophtalmol 81:112-8, 1968 (Fre)

SURGERY

Surgical catgut for segmental buckle in retinal detachment. Dellaporta A, et al.
Am J Ophthalmol 72:51-4, 30 Jul 71
Delayed spontaneous hyphema following successful sclerotomy with cautery in three patients. Harris LS, et al. Am J Ophthalmol 72:458-9, Aug 71
Subscleral sclerectomy: a double-flap operation for glaucoma. Smith BF, et al.
Am J Ophthalmol 71:884-8, Apr 71
Further experience with sutureless scleral buckling materials. I. Hydrogels. Calabria GA, et al.
Arch Ophthalmol 86:77-81, Jul 71
The changing character of the infected scleral implant. Lincoff H, et al.
Arch Ophthalmol 84:421-3 passim, Oct 70
Limbosclerai trepanation; eleven years' experience. Sugar HS. Arch Ophthalmol 85:703-8, Jun 71
Simplified limbal approach in squint surgery. Fells P.
Br J Ophthalmol 55:550-2, Aug 71
Iridocyclo-retraction in narrow-angle glaucoma. Krasnov MM. Br J Ophthalmol 55:389-95, Jun 71
Cryofixation. Control of ocular shape and movement by cryoadhesion. Shea M.
Can J Ophthalmol 5:207-14, Jul 70
Experimental surgery for scleral infolding (histological evaluation). Laszczyk WA, et al.
Pol Med J 8:942-9, 1969
Scleral infolding in treatment of severe cases of retinal detachment. Orlowski WJ. Pol Med J 8:950-8, 1969
Glaucoma: a fourteen-year retrospective study of Scheie and flap sclerotomies. Salmon JD.
Proc R Soc Med 63:869-70, Sep 70
A scleral patch for exposed implants. Helveston EM.
Trans Am Acad Ophthalmol Otolaryngol 74:1307-10, Nov-Dec 70
Review of intrascleral cartilage grafts. Angus WR.
Trans Aust Coll Ophthalmol 1:105-7, 1969
Trabeculectomy for chronic simple open-angle glaucoma. Cairns JE.
Trans Ophthalmol Soc UK 89:481-90, 1970
Epicritical consideration of 300 cases of trabeculotomy 'ab externo'. Harms H, et al.
Trans Ophthalmol Soc UK 89:491-9, 1970
Trabeculotomy 'ab externo'. Harms H, et al.
Trans Ophthalmol Soc UK 89:589-90, 1970
Further experiences with surgical measures on the canal of Schlemm. Kanagasundaram CR.
Trans Ophthalmol Soc UK 89:507-9, 1970
Microsurgical trabeculectomy 'ab externo' in glaucoma. Linnér E. Trans Ophthalmol Soc UK 89:475-9, 1970
Anterior sclerectomy, a controlled trial. Marmion VJ.
Trans Ophthalmol Soc UK 89:519-28, 1970
The comparison between a group of drainage operations and trabeculotomy, after a follow-up of five years. Smith R.
Trans Ophthalmol Soc UK 89:511-8, 1970
External fistulization of the canal of Schlemm. Walker WM. Trans Ophthalmol Soc UK 89:501-6, 1970
[Our experience with lamellar sclerectomy in cases of retinal detachment] Kadlecová V, et al.
Sb Lek 72:213-8, Sep 70 (Cze)
[Cataract extraction on eyes with marginal corneal degeneration (Terrien's disease)] Radian AB, et al.
Ann Ocul (Paris) 203:827-32, Sep 70 (Fre)
[Corneo-scleral total lamellar graft] Biervacque A, et al. Bull Soc Ophtalmol Fr 70:579-82, Apr 70 (Fre)
[Scleral pockets in retinal detachment. Reflections based on 60 operations] Fontan P, et al.
Bull Soc Ophtalmol Fr 69:241-6, Feb 69 (Fre)
[The ideal filtrating cicatrix] Sourdille P, et al.
Bull Soc Ophtalmol Fr 69:826-30, Sep-Oct 69 (Fre)
[Microforation of the sclera] Teulières J.
Bull Soc Ophtalmol Fr 69:1029-31, Nov 69 (Fre)
[Experimental studies on the tensile strength of glued and sutured isolated corneoscleral stripes] Giessmann HG, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:17-24, 1970 (Ger)
[Plastic surgery to cover ulcerative defects in the sclera] Reinisch G.
Klin Monatsbl Augenheilkd 156:417-20, Mar 70 (Ger)
[Cyclodiastasis by scleral introflexion (antiglaucomatous intervention)] Strampelli B, et al.
Ann Ottalmol Clin Ocul 95:779-88, Oct 69 (Ita)
[Sclerotomy with a folded-back flap graft (variant of the Foroni operation)] Strampelli B, et al.
Ann Ottalmol Clin Ocul 95:124-30, Feb 69 (Ita)
[Preliminary results of scleral buckling with the Schepens method in therapy of rhegmatogenic retinal detachment] Ambrosio A.
Rass Int Clin Ter 50:440-8, 15 Apr 70 (Ita)
[Suture cutting in a variation of equatorial cerclage] Shinriki S.
Acta Soc Ophthalmol Jap 75:643-9, 20 Jan 71 (Jap)
[Biomicroscopy and gonioscopy in valvular sclerectoiridectomy] Arkhangel'skaia EP, et al.
Oftalmol Zh 25:224, 1970 (Rus)
[A comparative evaluation of the Lagrange-Holt operation as modified by V. P. Filatov and filtering iridectomy] Arkhangel'skaia VK.
Oftalmol Zh 25:614-5, 1970 (Rus)
[Preventive cryopexy of the retina in diascleral removal of foreign bodies from the eye] Eroshevskiĭ TI, et al. Oftalmol Zh 25:183-5, 1970 (Rus)
[Use of autosclera for the creation of a moveable supporting stump after enucleation of the eye] Iakimenko SA. Oftalmol Zh 25:291-2, 1970 (Rus)
[Expulsive hemorrhage following preventive posterior sclerectomy] Smelovskiĭ AS, et al.
Vestn Oftalmol 2:86-7, 1971 (Rus)

TRANSPLANTATION

Scleral surgery: selected indications and techniques. Ryan SJ, et al. Doc Ophthalmol 29:261-87, 14 May 71
Eye tissue transplantation in children. Holt LB.
Eye Ear Nose Throat Mon 49:172-4, Apr 70
Lamellar corneo scleral grafts. Kanagasundaram CR.
Trans Ophthalmol Soc UK 90:527-38, 1970
Corneo-scleral transplantations. Scott JD.
Trans Ophthalmol Soc UK 90:337-8, 1970
[2 cases of conjunctival malignant tumor treated by a transfixing corneo-scleral graft] Rais H.
Bull Mem Soc Fr Ophtalmol 81:230-7, 1968 (Fre)
[Anterior scleral staphyloma. Treatment with scleral graft (clinical presentation)] Bonnet M, et al.
Bull Soc Ophtalmol Fr 70:527-9, Apr 70 (Fre)
[Ocular transplantations and their limits] Hofmann H.
Wien Med Wochenschr 121:131-3, 20 Feb 71 (Ger)
[Sclerouvectomy with a single-stage scleral homoplasty in tumors of the uveal tract (surgical technic and immediate results)] Volkov VV, et al.
Vestn Oftalmol 4:10-6, 1970 (Rus)
[Grafting of homologous sclera in progressive myopia] Zaĭkova MV, et al. Vestn Oftalmol 4:16-20, 1970 (Rus)

SCLEREDEMA ADULTORUM (C12)

[Buschke's disease or scleredema adultorum in 7-year-old girl. Apropos of a case] Tremblay M, et al.
Union Med Can 97:716-21, Jun 68 (Fre)
[Report on a case of Buschke's scleredema in a 2-and-half-year-old child] Schultze-Rhonhof J.
Arch Kinderheilkd 183:39-42, May 71 (Ger)

COMPLICATIONS

Scleroedema of Buschke. An uncommon cause of cardiomyopathy. Johnson ML, et al.
Br Heart J 32:720-2, Sep 70

DIAGNOSIS

Scleredema Buschke. Hammar H, et al.
Acta Derm Venereol (Stockh) 51:239-40, 1971

DRUG THERAPY

[Rapid regression of scleredema adultorum (Buschke) due to carnitine] Nitzschner H, et al.
Z Gesamte Inn Med 26:397-400, 15 Jun 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

HISTORY

[Scleroderma or scleroedema? Comments on the case published in 1753 by Dr. Carlo Curzio of Naples] (Curzio C), Capusan I.
G Ital Dermatol 46:40-7, Jan 71 (Ita)

SCLEREMA NEONATORUM (C12, C16)

DRUG THERAPY

[Treatment of severe generalized scleredema in premature infants] Subić M, et al.
Srp Arh Celok Lek 98:267-70, Feb 70 (Ser)

PATHOLOGY

Sclerema neonatorum. Reddy CR, et al.
Indian Pediatr 7:244-6, Apr 70

SCLERODERMA, CIRCUMSCRIBED (C12)

[Localized scleroderma (localized morphea)] Devos E.
Acta Paediatr Belg 24:151-8, 1970 (Dut)
[Scleroderma in children] Beaudoing A, et al.
Pediatrie 26:529-46, Jul-Aug 71 (Fre)
[Relations between morphea and costal osseous anomalies] Nini G.
G Ital Dermatol 44:531-4, Oct 69 (Ita)

COMPLICATIONS

Scleroderma and carcinoma of the oesophagus. Kilbon L, et al. Lancet 2:707, 25 Sep 71
[Stab wound shaped maxillofacial malformations in the course of scleroderma] Cros P, et al.
Ann Odontostomatol (Lyon) 27:99-103, May-Jun 70 (Fre)
[Calcinosis-Raynaud's disease-sclerodactylia-telangiectasis syndrome] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 78:53-4, 1971 (Fre)
[Scleroderma and cancer of the stomach] Rogé J, et al.
Sem Hop Paris 47:1211-3, 14 Apr 71 (Fre)
[Case of circumscribed and progressive scleroderma with lichen planus] Schieferstein G.
Hautarzt 21:225-8, May 70 (Ger)
[Melorheostosis Léry-Joanny with linear scleroderma] Keller HL, et al.
Munch Med Wochenschr 113:1081-4, 6 Aug 71 (Ger)
[Eye lesions in scleroderma in children] Studnitsin AA, et al. Vestn Dermatol Venerol 44:72-4, Aug 70 (Rus)

DIAGNOSIS

Morphea tuberosa-lichen sclerosus. Juhlin L.
Acta Derm Venereol (Stockh) 51:237, 1971
Scleroderma in the elderly, with special reference to the CRST syndrome. Hodkinson HM.
J Am Geriatr Soc 19:224-8, Mar 71
[Sclero-atrophic lichen] Colintineanu L, et al.
Bull Soc Fr Dermatol Syphiligr 77:482-3, 1970 (Fre)
[Comparative studies on scleroderma in the atrophic stage and Pasini-Pierini atrophoderma] Szczepański A. Przegl Dermatol 57:737-40, Nov-Dec 70 (Pol)
[Neuropathology of dermatomyositis and scleroderma (clinico-biophysical study)] Agte BS, et al.
Sov Med 32:92-7, Sep 69 (Rus)

DRUG THERAPY

[Treatment of some sclerosing processes with uropancreozymin] Hodáč V, et al.
Cesk Dermatol 46:83-6, Apr 71 (Cze)
[Treatment of scleroderma by unsaponifiable vegetable oils (Thiers' treatment)] Duperrat B, et al.
Arch Belg Dermatol Syphiligr 26:271-4, 1970 (Fre)
[Thermographic study of the action of parathormone on sclerodactylia in severe scleroderma] Thiers H, et al. Therapie 26:59-64, Jan-Feb 71 (Fre)

PATHOLOGY

[Morphology of lupus erythematodes, dermatomyositis and sclerodermia] Bolck F.
Dermatol Monatsschr 155:3-35, 1969 (Ger)
[Electron optic studies of the muscles in generalized and circumscribed scleroderma] Jabłońska S, et al.
Dermatol Monatsschr 156:162-74, 1970 (Ger)
[Comparative histological studies of various stages of circumscribed scleroderma and Pasini-Pierini atrophoderma] Szczepański A.
Przegl Dermatol 58:9-14, Jan-Feb 71 (Pol)
[Morphology of focal scleroderma (histochemical study)] Strukov AI, et al.
Sov Med 32:11-7, Sep 69 (Rus)
[A circumscribed scleroatrophy syndrome] Soto Melo J, et al.
Actas Dermosifiliogr 60:27-34, Jan-Feb 69 (Spa)

PHYSIOPATHOLOGY

[Respiratory function in scleroderma. Methods of exploration] Moulin G, et al.
Ann Dermatol Syphiligr (Paris) 97:375-80, 1970 (Fre)

RADIOGRAPHY

[Pulmonary changes in lupus erythematosus and scleroderma] Bessler W, et al.
Radiol Clin Biol 39:230-9, 1970 (Ger)

THERAPY

[Late results of treatment of children with scleroderma at the Sochi health resort] Dovzhanskiĭ SI, et al.
Vestn Dermatol Venerol 44:69-71, Nov 70 (Rus)

SCLERODERMA, SYSTEMIC (C12, C17)

Scleroderma, Raynaud's phenomenon, and local anesthetics. Eisele JH, et al.
Anesthesiology 34:386-7, Apr 71
Scleroderma. Arthritis Rheum 13:528-38, Sep-Oct 70
Systemic sclerosis--an analysis of data in II cases. Chowdhury DS, et al.
Bull Calcutta Sch Trop Med 18:49-50, Apr 70
Scleroderma of lung without significant complications. Holden M. NY State J Med 70:2599-602, 15 Oct 70
[Scleroderma in children] Beaudoing A, et al.
Pediatrie 26:529-46, Jul-Aug 71 (Fre)
[Progressive scleroderma] Schmitz-Moormann P, et al.
Med Welt 13:487-90, 27 Mar 71 (Ger)
[Scleroderma of the digestive tract] Książkiewicz-Szapiro MD.
Pol Arch Med Wewn 45:577-82, Oct 70 (35 ref.) (Pol)
[A case of lung scleroderma of the cavernous type] Korzeniewski O. Pol Tyg Lek 25:1547-9, 12 Oct 70 (Pol)
[Visceral scleroderma] Tareev EM, et al.
Klin Med (Mosk) 48:51-7, Aug 70 (Rus)

BLOOD

Serologic alterations in scleroderma and sclerodermatomyositis. Clark JA, et al.
Mayo Clin Proc 46:104-7, Feb 71
[Blood concentrations of pantothenic acid in patients with rheumatoid arthritis and scleroderma] Ambanelli U, et al.
Rev Esp Reum Enferm Osteoartic 14:26-33, 1971 (Por)

CHEMICALLY INDUCED

[Late cutaneous porphyria with sclerodermic syndrome revealed by taking estrogens, barbiturates and estro-progestational hormones] Durepaire-Fischer R, et al.
Bull Soc Fr Dermatol Syphiligr 76:281-4, 1969 (Fre)

CLASSIFICATION

Classification and pathogenesis of scleroderma. Winkelmann RK.
Mayo Clin Proc 46:83-91, Feb 71 (87 ref.)

COMPLICATIONS

Progeria and scleroderma in infancy. Feingold M, et al.
Am J Dis Child 122:61-2, Jul 71
Primary biliary cirrhosis with scleroderma, Raynaud's phenomenon and telangiectasia. New syndrome. Reynolds TB, et al. Am J Med 50:302-12, Mar 71
Pulmonary hypertension in systemic sclerosis. Trell E, et al. Ann Rheum Dis 30:390-400, Jul 71
Systemic scleroderma (progressive systemic sclerosis), chemical diabetes mellitus, psoriasis. Sauter LS. Arch Dermatol 103:682-5, Jun 71
Absorption of pesticides in a chronic skin disease. Starr HG Jr, et al. Arch Environ Health 22:396-400, Mar 71
Progressive systemic sclerosis terminating as periarteritis nodosa. Toth A, et al.
Arch Pathol 92:31-6, Jul 71
Oesophageal stricture in scleroderma. Holmgren G.
Cent Afr J Med 16:239-41, Oct 70
Acute nephropathy as cause of death in scleroderma. A ten-year review from Denmark. Jensen EH, et al.
Dan Med Bull 18:79-82, Aug 71
Pulmonary hypertension associated wth scleroderma--a case report. Bector NP, et al.
Indian J Chest Dis 13:27-9, Jan 71
Progressive heart block in a case of scleroderma. Barr IM, et al. Isr J Med Sci 6:373-9, May-Jun 70
Progressive systemic sclerosis. Report of a case with pulmonary involvement. Munsakul N, et al.
J Med Assoc Thai 53:148-58, Feb 70
Fracture of mandibular rami complicated by scleroderma: report of case. Weber DD, et al.
J Oral Surg 28:860-3, Nov 70
Autoimmune hemolytic anemia in scleroderma. Rosenthal DS, et al. JAMA 216:2011-2, 21 Jun 71
Esophageal deterioration in scleroderma. Garrett JM, et al. Mayo Clin Proc 46:92-6, Feb 71
Trigeminal neuropathy in connective tissue disease. Ashworth B, et al.
Neurology (Minneap) 21:609-14, Jun 71
Systemic sclerosis with myocardial and pericardial involvement. Dilke TF, et al.
Proc R Soc Med 64:57-8, Jan 71
The renal angiographic changes in scleroderma. Lester PD, et al. Radiology 99:517-21, Jun 71
Progressive systemic sclerosis presenting with Raynaud's phenomenon in the tongue and sensory trigeminal neuropathy. Casey EB, et al.
Rheumatol Phys Med 11:131-3, Aug 71
Silicosclerodermia. Căpuşan I, et al.
Rom Med Rev 14:35-41, 1970
Pulmonary fibrosis in scleroderma and dermatomyositis. Brundin A.
Scand J Resp Dis 51:160-70, 1970
Primary localised cutaneous amyloidosis in systemic sclerosis. Black MM.
Trans St Johns Hosp Dermatol Soc 57:177-80, 1971
[Pulmonary fibrosis, a major symptom of scleroderma. Histological data] Barrière H, et al.
Bull Soc Fr Dermatol Syphiligr 76:239-41, 1969 (Fre)
[Rapidly developing scleroderma with associated symptoms of dermatomyositis and lupus erythematosus] Grupper C, et al.
Bull Soc Fr Dermatol Syphiligr 77:318-9, 1970 (Fre)
[Late cutaneous porphyria with sclerodermiform lesions] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:405-6, 1969 (Fre)
[Significant sclerodermiform involvement with bi-trochanteric plaques and with lumbo-sacro-iliac plate in a lumbo-coxarthrosic patient] Témime P, et al. Bull Soc Fr Dermatol Syphiligr 76:427-8, 1969 (Fre)
[Osteoarticular manifestations associated with scleroderma] Bochu M, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:415-8, May 69 (Fre)
[An anatomo-clinical case of diffuse pulmonary fibrosis with chronic sclerodermic pulmonary heart] Piauchu M, et al. Lyon Med 224:817-23, 13 Dec 70 (Fre)
[Phenylketonuria with sclerodermic type infiltration] Battin J, et al. Pediatrie 25:777-84, Oct-Nov 70 (Fre)
[Scleroderma and cirrhosis. Critical review of their association. Apropos of 3 cases] Thomas M, et al.
Rev Med Chir Mal Foie 46:81-7, 1971 (Fre)
[Bourneville's tuberous sclerosis with papillomatosis of the mouth mucosa] Carlier G, et al.
Rev Stomatol Chir Maxillofac 72:607-14, Jul-Aug 71 (Fre)
[Scleroderma and cancer of the stomach] Rogé J, et al.
Sem Hop Paris 47:1211-3, 14 Apr 71 (Fre)
[Bone changes in association with scleroderma] Wolf G, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:523-30, Apr 70 (Ger)
[Case of circumscribed and progressive scleroderma with lichen planus] Schieferstein G.
Hautarzt 21:225-8, May 70 (Ger)
[Heart involvement in progressive scleroderma in a child] Bauer R, et al.
Monatsschr Kinderheilkd 117:631-4, Jan 69 (Ger)
[Sclerodermic nephropathy leading to uremia] Dezső G, et al. Orv Hetil 111:2360-4, 4 Oct 70 (Hun)
[Case of primary adrenocortical insufficiency associated with scleroderma] Saba GC, et al.
G Clin Med 50:369-77, May 69 (Ita)
[Changes of the locomotor system in the course of progressive systemic sclerosis in children] Szymańska-Jagiello W, et al.
Pediatr Pol 45:929-41, Aug 70 (Pol)
[Clinico-roentgenological characteristics of the cornoid process of the mandible in systemic scleroderma] Stashek-Lobacheva VM, et al.
Biull Eksp Biol Med 71:81-2, Mar-Apr 71 (Rus)
[Sprue-like syndrome in systemic scleroderma] Miagkova LP, et al. Sov Med 33:113-6, Sep 70 (Rus)
[Case of a prolonged course of systemic scleroderma with elements of dermatomyositis] Mozhaĭtseva AG, et al. Sov Med 33:146-7, Sep 70 (Rus)
[Severe dysphagia in Huntington's chorea with associated scleroderma] Giménez-Roldán S, et al.
Rev Clin Esp 120:165-70, 31 Jan 71 (Spa)

DIAGNOSIS

Progressive systemic sclerosis (scleroderma) with esophageal and gastric antral involvement. Boleman AP, et al. Gastrointest Endosc 17:160-3, May 71
Scleroderma. (A case report). Bhura P, et al.
J All India Ophthalmol Soc 18:138-42, Sep 70
Progressive systemic sclerosis simulating idiopathic pulmonary fibrosis. Report of a case. Charles MA.
Med Ann DC 40:313-6, May 71
[Malignant scleroderma] Pavelka K, et al.
Fysiatr Reumatol Vestn 49:81-8, Apr 71 (Cze)
[Symptomatologic value of telangiectasia in the course of scleroderma] Colomb D, et al.
Angeiologie 23:91-2, Mar-Apr 71 (Fre)
[Early diagnosis of rheumatoid polyarthritis] Fallet GH.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Schweiz Med Wochenschr 100:2110-6 concl, 5 Dec 70 (138 ref.) (Fre)

[Changes in sternal puncture material in progressive scleroderma] Anghelescu M, et al. Hautarzt 22:307-8, Jul 71 (Ger)

[Pictures for differential diagnosis of internal diseases] Klostermann GF, et al. Med Welt 20:911-2, 16 May 70 (Ger)

[Scleroderma as a systemic disease in dermatological practice] Ziprkowski L, et al. Harefuah 78:344-9, 1 Apr 70 (Heb)

[Electrophysiology of the esophagus in systemic progressive sclerosis (scleroderma)] Bettarello A. Rev Hosp Clin Fac Med Sao Paulo 25:251-64, Jul-Aug 70 (Por)

[Clinical picture and treatment of scleroderma] Studnitsin AA, et al. Vestn Dermatol Venerol 44:7-12, Nov 70 (Rus)

[Gastrointestinal manifestations of systemic sclerosis] Parrochia E, et al. Rev Clin Esp 119:345-54, 30 Dec 70 (Spa)

DRUG THERAPY

Management of scleroderma. Winkelmann RK, et al. Mayo Clin Proc 46:128-34, Feb 71

[Treatment of some sclerosing processes with uropancreozymin] Hodáč V, et al. Cesk Dermatol 46:83-6, Apr 71 (Cze)

[So-called immunosuppressive cytotoxic medication in acute disseminated lupus erythematosus and scleroderma] Thivolet J, et al. Bull Soc Fr Dermatol Syphiligr 77:412-4, 1970 (Fre)

[Treatment of systemic scleroderma with high dosage of intravenous hyaluronidase] Petter O, et al. Hautarzt 22:32-3, Jan 71 (Ger)

[Theoretical aspects of the new possibilities of use of hyaluronidase] Petter O, et al. Z Gesamte Inn Med 26:171-4, 1 Mar 71 (Ger)

[The action of sulfhydryl substances in fibrosis in joint pathology] Bianchi V, et al. Minerva Med 62:3085-9, 5 Sep 71 (Ita)

[Roentgenodiagnosis of steroid osteopathy] Izaak AP. Vestn Rentgenol Radiol 45:85-8, Sep-Oct 70 (Rus)

ENZYMOLOGY

Protocollagen proline hydroxylase activity in scleroderma and other connective tissue disorders. Uitto J, et al. Ann Clin Res 2:235-9, Sep 70

ETIOLOGY

Classification and pathogenesis of scleroderma. Winkelmann RK. Mayo Clin Proc 46:83-91, Feb 71 (87 ref.)

Collagen and scleroderma. Trans St Johns Hosp Dermatol Soc 57:222-3, 1971

FAMILIAL & GENETIC

[Familial scleroderma with Sjogren's syndrome and lymphocyte and chromosome abnormalities] Camus JP, et al. Ann Med Interne (Paris) 121:149-61, Feb 70 (Fre)

HISTORY

[Scleroderma or scleroedema? Comments on the case published in 1753 by Dr. Carlo Curzio of Naples] (Curzio C), Capusan I. G Ital Dermatol 46:40-7, Jan 71 (Ita)

IMMUNOLOGY

DNA antibodies in childhood scleroderma. Hanson V, et al. Arthritis Rheum 13:798-801, Nov-Dec 70

Immunological aspects of systemic sclerosis in vitro activity of lymphocytes from patients with the disorder. Currie S, et al. Br J Dermatol 84:400-9, May 71

Antinuclear antibodies: their significance in scleroderma. Jordon RE, et al. Mayo Clin Proc 46:111-3, Feb 71

Immunoglobulins in systemic scleroderma. Spencer SK, et al. Mayo Clin Proc 46:108-10, Feb 71

[Results of the immunofluorescence technic analysis of antinuclear factors in patients with collagen diseases and a control group with various internal diseases] Bäumer A, et al. Z Rheumaforsch 29:352-7, Nov-Dec 70 (Ger)

[Our observations on intradermal tests with autologous platelets] Argenziano G, et al. G Ital Dermatol 44:517-21, Oct 69 (Ita)

[Serum immunoglobulin levels in rheumatology: use of radial immunodiffusion] Biddau A, et al. Riv Crit Clin Med 67:141-55, Apr 67 (Ita)

[Serum antinuclear antibodies (in patients with visceral erythematodes, rheumatoid arthritis, progressive systemic sclerosis and discoid erythematodes)] Horvat Z. Acta Med Iugosl 24:229-40, 1970 (Cro)

METABOLISM

Skin collagen in patients with scleroderma: biosynthesis and maturation in vitro, and the effect of D-penicillamine. Uitto J, et al. Ann Clin Res 2:228-34, Sep 70

Solubility of skin collagen in normal human subjects and in patients with generalised scleroderma. Uitto J, et al. Clin Chim Acta 31:13-8, Jan 71

MORTALITY

Survival with systemic sclerosis (scleroderma). A life-table analysis of clinical and demographic factors in 309 patients. Medsger TA Jr, et al. Ann Intern Med 75:369-76, Sep 71

Maternal death from systemic sclerosis. (Report of a case of renal scleroderma masquerading as pre-eclamptic toxaemia). Sood SV, et al. J Obstet Gynaecol Br Commonw 77:1109-12, Dec 70

OCCURRENCE

Epidemiology of systemic sclerosis (scleroderma). Medsger TA Jr, et al. Ann Intern Med 74:714-21, May 71

PATHOLOGY

The ultrastructure of skin in progressive systemic sclerosis (scleroderma). I. Dermal collagen fibers. Hayes RL, et al. Am J Pathol 63:433-42, Jun 71

Skin collagen content and thickness in systemic sclerosis. Black MM, et al. Br J Dermatol 83:552-5, Nov 70

Synovial tissue changes and rheumatoid factor in scleroderma. Clark JA, et al. Mayo Clin Proc 46:97-103, Feb 71

Scleroderma and the subcutaneous tissue. Fleischmajer R, et al. Science 171:1019-21, 12 Mar 71

Clinicopathologic conference. Tex Med 67:90-103, May 71

Retinopathy in scleroderma. Maclean H, et al. Trans Ophthalmol Soc UK 89:209-20, 1970

[Electron optic studies of the muscles in generalized and circumscribed scleroderma] Jabłońska S, et al. Dermatol Monatsschr 156:162-74, 1970 (Ger)

[Changes in the larynx in systemic lupus erythematosus and systemic scleroderma] Minchina RA, et al. Zh Ushn Nos Gorl Bolezn 30:67-73, Jul-Aug 70 (Rus)

PHYSIOPATHOLOGY

Skin capillary blood flow in scleroderma. LeRoy EC, et al. J Clin Invest 50:930-9, Apr 71

[Lung involvement in scleroderma] Otto H, et al. Prax Pneumol 24:753-61, Dec 70 (Ger)

RADIOGRAPHY

Unique chest roentgenogram in scleroderma. Zuckner J, et al. Am J Roentgenol Radium Ther Nucl Med 111:605-6, Mar 71

Radiological study of the oesophagus in systemic sclerosis. Dutta KN. Bull Calcutta Sch Trop Med 18:43, Apr 70

Note on skeletal lesions in scleroderma with three case reports. Campailla E, et al. Bull Hosp Joint Dis 32:100-4, Apr 71

The view box. Love L. Ill Med J 139:502 passim, May 71

Dysphagia for several years. Kumpe DA. JAMA 216:1335-6, 24 May 71

Early fingertip changes in scleroderma. Yune HY, et al. JAMA 215:1113-6, 15 Feb 71

[Bone changes in association with scleroderma] Wolf G, et al. Fortschr Geb Roentgenstr Nuklearmed 112:523-30, Apr 70 (Ger)

[Radiographic findings in scleroderma] Pokieser H, et al. Med Welt 21:883-6, 22 May 71 (Ger)

[Radiographic symptoms in progressive scleroderma] Schulte-Brinkmann W, et al. Radiologe 11:250-8, Jul 71 (Ger)

[The digestive system in scleroderma: a radiologic study. II. The stomach and the intestine] Aiè G, et al. Radiol Med (Torino) 55:431-46, May 69 (Ita)

[Radiological picture of scleroderma] Kićevac-Miljković A, et al. Lijec Vjesn 92:771-9, Jul 70 (Cro)

THERAPY

Low molecular weight dextran in systemic sclerosis. Holti G. Br Med J 1:405, 13 Feb 71

Low molecular weight dextran infusions in systemic sclerosis with Raynaud's phenomenon: a report of nine cases. Lane P. Br Med J 4:657-9, 12 Dec 70

[Late results of treatment of children with scleroderma at the Sochi health resort] Dovzhanskiĭ SI, et al. Vestn Dermatol Venerol 44:69-71, Nov 70 (Rus)

[Clinical picture and treatment of scleroderma] Studnitsin AA, et al. Vestn Dermatol Venerol 44:7-12, Nov 70 (Rus)

[Balneotherapy of patients with scleroderma using Moscow sodium chloride water] Sukharev VI, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:310-2, Jul-Aug 70 (Rus)

URINE

Scleroderma and urinary excretion of acidic glycosaminoglycans. Hardy KH, et al. Mayo Clin Proc 46:119-27, Feb 71

Urinary amino acid excretion in patients with scleroderma. Winkelmann RK, et al. Mayo Clin Proc 46:114-8, Feb 71

SCLEROMA, NASAL see RHINOSCLEROMA

(C1, C5, C12)

SCLEROSING SOLUTIONS (D13)

ADMINISTRATION & DOSAGE

Injection-compression treatment of varicose veins. Tretbar LL, et al. Am J Surg 120:539-41, Oct 70

Controlled intralesional deposition of a sclerotic agent in verruca therapy. Locke RK, et al. Int J Dermatol 9:278-82, Oct-Dec 70

[Results of injection therapy in the hemorrhoid syndrome] Poddaná B, et al. Cesk Dermatol 45:225-7, Sep 70 (Cze)

[Sclerotization in the treatment of hypertrophic gingivitis] Khoroshanskaia Ela. Stomatologiia (Mosk) 50:12-3, Jan-Feb 71 (Rus)

ADVERSE EFFECTS

[Inadvertent injection of the posterior tibial artery in obliteration of varicose veins] Buri P. Praxis 59:924-7, 23 Jun 70 (Ger)

[Influence of a flavonol glycoside on unwanted sclerosing solution reactions] Mauss HJ. Zentralbl Gynaekol 93:496-9, 10 Apr 71 (Ger)

[The untoward aspects of phlebosclerosing therapy] Krakovskiĭ NI, et al. Khirurgiia (Mosk) 47:48-52, Feb 71 (Rus)

PHARMACODYNAMICS

The effects of intra-arterial injection of sodium tetra-decyl sulphate, 3 per cent. MacGowan W. Br J Surg 58:306, Apr 71

Effects of a sclerosing agent on odontogenesis. Mehlisch DR, et al. Oral Surg 31:723-30, May 71

STANDARDS

[Physical studies of injection of sclerosing solutions] Stemmer R, et al. Zentralbl Phlebol 9:11-23, May 70 (Ger)

THERAPEUTIC USE

Reversibility of femorosaphenous reflux. Quill RD, et al. Br J Surg 58:389-93, May 71

Five-year survey of the treatment of varicose ulcers. Henry ME, et al. Br Med J 2:493-4, 29 May 71

Problems of rectal prolapse. Zachary RB. Br Med J 4:683, 12 Dec 70

Endoesophageal sclero-therapy of bleeding esophageal varices. Denck H. J Cardiovasc Surg (Torino) 12:146, Mar-Apr 71

Compression sclerotherapy of varicose veins. Townsend E. J R Coll Gen Pract 20:137-45, Sep 70

The injection treatment of varicose veins: a follow-yup study of 264 patients. Pattisson PH, et al. Vasc Surg 5:1-5, Jan-Feb 71

[Specific compression in varicosclerosation] Boslet W. Munch Med Wochenschr 113:778-80, 14 May 71 (Ger)

[Therapy of bladder incontinence] Hofstetter A. Munch Med Wochenschr 113:994-5, 25 Jun 71 (Ger)

[Sclerosing therapy for varicose veins of the lower extremities under polyclinic conditions] Abramian AA. Khirurgiia (Mosk) 47:62-4, Feb 71 (Rus)

[Varicocide treatment of varicose veins of the lower extremities] Nagovitsyn ES. Khirurgiia (Mosk) 47:60-2, Feb 71 (Rus)

[Significance of venography in the sclerotherapy of superficial varicose veins of the lower limbs] Grigorian RM, et al. Sov Med 33:22-5, 1970 (Rus)

[Sclerosing therapy of varicose surface veins of the legs] Chalganov AI. Vestn Khir 103:135-6, Nov 69 (Rus)

[Sclerosing therapy of varices of the lower extremities using local hypothermia] Sibgatulin NZ. Vestn Khir 102:12-4, May 69 (Rus)

[Ambulatory treatment of varices of the lower extremities using a sclerosing method] Zhorov IS, et al. Vestn Khir 102:10-2, May 69 (Rus)

SCLEROSIS (C17)

Acute exacerbation of chronic sclerosing

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

osteomyelitis. Report of a case. Stroh E, et al. NY State Dent J 37:403-6, Aug-Sep 71
[Primary sclerosing cholangitis] Ofstad E, et al. Tidsskr Nor Laegeforen 91:1469-70, 10 Jul 71 (Nor)

COMPLICATIONS

Multifocal fibrotic diathesis. An often overlooked cause of venae cavae syndrome. Verstraete M, et al. Angiologica 7:233-45, 1970
[Recurring pemphigoid and erosive lichen ruber planus of the oral mucosa with sclerotic macroglossia] Undeutsch W, et al. Dermatol Monatsschr 156:212-8, 1970 (Ger)
[Cancer of the lung on a cicatrix] Ajello L, et al. Policlinico [Prat] 77:1551-64, 30 Nov 70 (Ita)

ETIOLOGY

Tympanosclerosis. Friedmann I. Ann Otol Rhinol Laryngol 80:411-3, Jun 71
[Etiopathogenesis, clinical aspects and therapeutic criteria of cholostatic heaptoscleros is of lithiasic origin] Teofili MT. Epatologia 14:367-77, Jul-Aug 68 (Ita)

PATHOLOGY

Bone sclerosis. NY State J Med 71:1095-7, 15 May 71

RADIOGRAPHY

Calcific and sclerotic landmarks in radiography. Halm A. Radiography 37:192-200, Aug 71

SCLEROSIS, DISSEMINATED see MULTIPLE SCLEROSIS (C10)

SCLEROSIS, HEREDITARY SPINAL see FRIEDREICH'S ATAXIA (C10)

SCLEROSIS, PRESENILE see under PSYCHOSES, PRESENILE (F2)

SCLEROSIS, PROGRESSIVE SYSTEMIC see SCLERODERMA, SYSTEMIC (C12, C17)

SCOLIOSIS (C3)

Bilateral Sprengel's syndrome with situs inversus totalis. Otter G den. Acta Orthop Scand 41:402-10, 1970
Methods of predicting vital capacity in patients with thoracic scoliosis. Johnson BE, et al. J Bone Joint Surg [Am] 52:1433-9, Oct 70
[Essential scoliosis during the growth period: natural history and therapeutic possibilities] Stagnara P. Maroc Med 50:646-71, Nov 70 (Fre)
[Scoliosis and the dental unit] Goeminne N. Rev Stomatoodontol Nord Fr 25:163-9, 1970 (Fre)
[Disorders of posture and gait in adolescents with growth disorders] Klain U. Minerva Pediatr 22:2220-1, 10 Nov 70 (Ita)
[Auxologic study on patients with idiopathic scoliosis] Pastorini M, et al. Riv Clin Pediatr 82:73-7, Apr-Jun 69 (Ita)
[Scoliosis--Lettow's investigation] Nagura S. Orthop Surg (Tokyo) 22:462-4, 1971 (7 ref.) (Jap)
[Case of Sprengel's deformity] Wenderlich Z. Pol Tyg Lek 26:680-1, 3 May 71 (Pol)
[Directions in research in scoliosis and spinal osteochondrosis] Kaz'min AI. Ortop Travmatol Protez 32:54-8, Mar 71 (Rus)
[Follow-up study of scoliosis material from Linköping] Willner S. Nord Med 85:256, 25 Feb 71 (Swe)

CLASSIFICATION

[Etiopathogenetic factors in the classification of idiopathic scoliosis. Attempt for a nosologic classification] Girlando V. Arch Ortop Suppl:341-50, 1969 (Ita)

COMPLICATIONS

Relation between side of plagiocephaly, dislocation of hip, scoliosis, bat ears, and sternomastoid tumours. Watson GH. Arch Dis Child 46:203-10, Apr 71
Impending paraplegia secondary to paralytic scoliosis. A case report. Cole JR, et al. J Bone Joint Surg [Am] 53:591-3, Apr 71
Scoliosis in childhood muscular dystrophy. Robin GC, et al. J Bone Joint Surg [Am] 53:466-76, Apr 71
Respiratory and cardiovascular consequences of scoliosis. Godfrey S. Respiration 27:Suppl:67-70, 1970
Respiratory impairment and airway closure in patients with untreated idiopathic scoliosis. Bjure J, et al. Thorax 25:451-6, Jul 70
[Stenosis of the 3rd duodenum caused by a severe scoliosis] Lefaucher C, et al. Arch Fr Mal App Dig 59:824, Dec 70 (Fre)
[Skeletal dystrophies in Recklinghausen's neurofibromatosis] Heintz N. Bull Soc Sci Med Grand Duche Luxemb 106:273-84, Oct 69 (Fre)
[Brachyesophagus in a scoliosis patient with mediastinal sclerosis] Gaillard J, et al. J Fr Otorhinolaryngol 18:241 passim, Apr 69 (Fre)
[Use of Metoclopramide in the digestive pathology of scoliosis] Fauchet MR. J Med Lyon 51:1599+, 20 Sep 70 (Fre)
[Respiratory consequences of severe scoliosis in adolescents. Respiratory effects of Harrington's operation. Value of pulmonary scintigraphy. 79 cases] Migueres J, et al. Presse Med 78:2001-6, 31 Oct 70 (Fre)
[Significance of medullary transposition in the treatment of paraplegia due to kyphosis and kypho-scoliosis] Galibert P, et al. Sem Hop Paris 46:2998-3003, 14 Nov 70 (Fre)
[Value of spinal cord transposition in the treatment of paraplegia due to kyphosis and kyphoscoliosis] Galibert P, et al. Therapeutique 47:487-92, May 71 (Fre)
[Scheuermann's disease and premature degeneration of the vertebral column] Bündgen U, et al. Beitr Orthop Traumatol 17:662, Oct 70 (Ger)
[Kyphoscoliosis in adults] Scherrer M, et al. Respiration 27:Suppl:76-9, 1970 (Ger)
[Scoliosis in the course of paresis or paralysis caused by spinal cord tumors] Wejsflog A. Chir Narzadow Ruchu Ortop Pol 36:65-9, 1971 (Pol)

CONGENITAL

Oculo-auricular dysplasia. (A case report). Maria DL, et al. J All India Ophthalmol Soc 18:37-8, Apr 70
[Congenital scoliosis] Pedras CC, et al. Rev Bras Med 28:1-12, Jan 71 (Por)

DIAGNOSIS

Early recognition and prompt evaluation of spinal deformity. Blount WP. J Sch Health 40:514, Nov 70
The management of scoliosis. Dommisse GF. S Afr Med J 44:1331-5, 21 Nov 70
[Differential diagnosis: scoliosis--sarcoma of the leptomeninx with paraplegia] Kadner P. Beitr Orthop Traumatol 17:26-7, Jan 70 (Ger)
[Measurement of scoliosis] Marchetti PG, et al. Arch Putti Chir Organi Mov 25:38-54, 1970 (Ita)
[Complementary instrumental findings in the diagnosis of functional and structural abnormalities during the developmental stage] Moselli M. Minerva Ortop 22:1-9, Jan-Feb 71 (Ita)

DRUG THERAPY

[Treatment of scoliosis in lumbosacral radiculitis with hydrocortisone-novocaine blocks] Marchenko IZ. Zh Nevropatol Psikhiatr 70:1013-6, 1970 (Rus)

ETIOLOGY

Kyphoscoliosis following lumbar subarachnoid shunts. Kushner J, et al. J Neurosurg 34:783-91, Jun 71
[Thoracotomy and scoliosis in children] Groot G. Ned Tijdschr Geneeskd 115:94-5, 9 Jan 71 (Dut)
[Rachitic scoliosis] Ghosez JP. Acta Orthop Belg 34:929-46, 1968 (Fre)
[Diagnostic problems poses by stiff and painful scoliosis in children] Dubousset J, et al. Rev Chir Orthop 57:215-26, Apr-May 71 (Fre)
[Influence of hip-arthrodesis on the spine] Hördegen KM, et al. Arch Orthop Unfallchir 69:97-113, 1970 (Ger)
[Bone lesions associated with Recklinghausen's neurofibromatosis] Barta O. Z Orthop 108:88-98, Jul 70 (Ger)
[Significance of the difference in leg lenght] Bengert O. Z Orthop 108:435-45, Nov 70 (Ger)
[Large psoas muscle and idiopathic dorso-lumbar scoliosis] Girlando V. Arch Ortop Suppl:329-39, 1969 (Ita)
[Rachitic deformities] Pipino F, et al. Minerva Ortop 22:91-121, Apr 71 (Ita)
[Role of the intervertebral disks in the development of scoliosis] Kaz'min AI, et al. Ortop Travmatol Protez 31:19-22, Jun 70 (Rus)

FAMILIAL & GENETIC

[Familial incidence of idiopathic scoliosis] Mitroszewska H. Chir Narzadow Ruchu Ortop Pol 36:57-64, 1971 (Pol)
[Familial forms of scoliosis (clinical aspects)] Abal'masova EA, et al. Ortop Travmatol Protez 31:22-6, Apr 70 (Rus)
[Study of heredity in idiopathic scoliosis in childeen] Andrushko NS, et al. Ortop Travmatol Protez 31:58-9, Apr 70 (Rus)

OCCURRENCE

[The anatomy of the aging spinal column. II. Deformities, wedge-shaped vertebrae formation] Schumacher GH, et al. Z Aerztl Fortbild (Jena) 65:337-45, 15 Mar 71 (Ger)
[Statistical data on 3165 cases of scoliosis] Faldini A. Arch Putti Chir Organi Mov 25:313-30, 1970 (Ita)
[Clinical and radiographical findings on variations in posture of elementary school children in Sanremo] Manelli E, et al. Minerva Ortop 22:10-5, Jan-Feb 71 (Ita)

PHYSIOPATHOLOGY

Ventilation perfusion relationships following correction of kyphoscoliosis. Shannon DC, et al. JAMA 217:579-84, 2 Aug 71
[Role of the epistropheus in lateroflexion and latent scoliosis] Jirout J. Cesk Radiol 24:252-8, Nov 70 (Cze)
[The significance of acid-base metabolism and continuous CO2 measurement in orthopedics] Dippold A, et al. Beitr Orthop Traumatol 18:83, 1971 (Ger)
[Preoperative studies of patients with scoliosis and funnel chest] Pissarek H, et al. Beitr Orthop Traumatol 18:84-5, 1971 (Ger)
[Scoliosis and lung function] Meznik F, et al. Z Orthop 108:382-90, Nov 70 (Ger)
[Studies of lung ventilation in children with idiopathic scoliosis] Solecka M, et al. Wiad Lek 24:415-20, 1 Mar 71 (Pol)
[Lung volumes in adolescents with scoliosis] Chernousova LN, et al. Ortop Travmatol Protez 31:65-70, Aug 70 (Rus)
[A study of bronchial patency in adolescents with spinal curvature of various etiology and degree of expression] Chernousova LN, et al. Ortop Travmatol Protez 31:73-5, Jun 70 (Rus)

RADIOGRAPHY

Spinal angiography in scoliosis patients. Keim HA, et al. J Bone Joint Surg [Am] 53:904-12, Jul 71
Large-volume myelography. An aid in the evaluation of curvatures of the spine. Gold LH, et al. Radiology 97:531-6, Dec 70
Vertebral scalloping in neurofibromatosis. Salerno NR, et al. Radiology 97:509-10, Dec 70
[Scoliosis revealing a medullary tumor] Desorgher G, et al. J Radiol Electrol Med Nucl 50:695-8, Oct 69 (Fre)
[Osteolathyrism, an osteoneural growth disorder] Roth M, et al. Radiol Diagn (Berl) 11:707-13, 1970 (Ger)
[Vertebral fractures in scoliosis (2 case reports)] Savini R, et al. Arch Putti Chir Organi Mov 24:368-74, 1969 (Ita)
[Scoliosis in Von Recklinghausen's neurofibromatosis] Perricone G, et al. Chir Organi Mov 59:45-56, 1970 (Ita)
[Teleradiography of the whole vertebral column in orthostatic position. Evaluation of scoliotic deformations] De Vecchi A, et al. Minerva Radiol 14:99-108, Mar-Apr 69 (Ita)
[Diastrophic dwarfism in an infant (description of a case)] Kozlowski K, et al. Pol Przegl Radiol 35:1-8, 1971 (Pol)
[Value of tomographic study of the spine and special aspects of this method in studying acute forms of scoliosis] Rits IA, et al. Ortop Travmatol Protez 31:26-9, Jun 70 (Rus)
[Kymography in children and adolescents in scoliotic posture and scoliosis] Chernousova LN, et al. Pediatriia 49:71-2, Sep 70 (Rus)

REHABILITATION

[Bracing in scoliosis during its evolutive period] Michel CR. Rev Chir Orthop 56:399-469, Jul-Aug 70 (Fre)

SURGERY

Sudden cessation of cardiac output during spinal fusion. Dykes MH, et al. Anesth Analg (Cleve) 49:596-9, Jul-Aug 70
Final results of sixty-five cases of scoliosis treated by alloplasty of muscles. Gruca A. Bull Pol Med Sci Hist 14:4-6, Jan 71
Surgical treatment of scoliosis. Dolan JA, et al. Clin Orthop 76:125-37, May 71
The cast syndrome. Report of a case after spinal fusion for scoliosis. Evarts CM. Clin Orthop 75:164-6, Mar-Apr 71
Intravital wireless telemetry of axial forces in Harrington distraction rods in patients with idiopathic scoliosis. Nachemson A, et al. J Bone Joint Surg [Am] 53:445-65, Apr 71
Halo pelvic traction. A preliminary report on a method of external skeletal fixation for correcting deformities and maintaining fixation of the spine. O'Brien JP, et al. J Bone Joint Surg [Br] 53:217-29, May 71
Ventilation perfusion relationships following correction of kyphoscoliosis. Shannon DC, et al. JAMA 217:579-84, 2 Aug 71
Pulmonary function in thoracic scoliosis, before and after corrective surgery. Westgate HD. Minn Med 53:839-47, Aug 70
[Value of therapeutic exercises in congenital

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

malformations of the anterior thoracic wall] Sebestík V, et al. Rozhl Chir 50:51-4, Jan 71 (Cze)
[Surgical treatment of scoliosis (our current experience apropos of 146 operations)] Gaubert J, et al. Ann Chir Infant 12:225-30, May-Jun 71 (Fre)
[Harrington's operation. Difficulties, indications, results] Gaubert J, et al.
J Chir (Paris) 101:405-14, Apr 71 (Fre)
[Surgical treatment of scoliosis] Vinchon B.
J Sci Med Lille 88:677-9, Dec 70 (Fre)
[Current place of Harrington's operation in the surgical treatment of scoliosis] Gaubert J, et al.
Mem Acad Chir (Paris) 94:291-9, 1968 (Fre)
[Respiratory consequences of severe scoliosis in adolescents. Respiratory effects of Harrington's operation. Value of pulmonary scintigraphy. 79 cases] Migueres J, et al. Presse Med 78:2001-6, 31 Oct 70 (Fre)
[Harrington's operation in the surgical treatment of scoliosis] Michel C, et al.
Rev Chir Orthop 56:703-5, Oct-Nov 70 (Fre)
[Scoliosis: study of cases operated on by the Harrington technic] Guimont A.
Union Med Can 97:746-50, Jun 68 (Fre)
[Treatment of scoliosis by a modification of Harrington's technic] Lévesque JM, et al.
Union Med Can 99:1106-9, Jun 70 (Fre)
[Possibilities and limitations of Harrington's method in the surgical treatment of scoliosis] Morscher E.
Arch Orthop Unfallchir 70:136-51, 1971 (Ger)
[Measurements of central venous pressure in scoliosis surgery] Dippold A, et al.
Beitr Orthop Traumatol 17:193-4, Feb 70 (Ger)
[Indication for dorsal spondylodesis in scoliosis] Meznik F.
Wien Klin Wochenschr 83:89-98, 12 Feb 71 (Ger)
[Anesthesiologic problems in Risser's surgical spondylodesis] Dustmann HO, et al.
Z Orthop 108:184-91, Sep 70 (Ger)
[Reducing the blood loss in the surgical treatment of scoliosis] Meznik F. Z Orthop 108:390-4, Nov 70 (Ger)
[Importance of the nucleus pulposus in scoliosis formation] Kazmin AI, et al.
Chir Narzadow Ruchu Ortop Pol 35:493-5, 1970 (Pol)
[Surgical treatment of scoliosis at the Department of Orthopedics of the Medical Academy at Gdańsk] Hlavaty A. Pol Tyg Lek 25:1389-91, Sep 70 (Pol)
[Surgical treatment of upper thoracic scoliosis] Fishchenko VIa.
Ortop Travmatol Protez 31:22-6, Jun 70 (Rus)
[Epiphyseodesis of the corpus vertebrae during treatment of progressive scoliosis in children] Movshovich IA, et al. Vestn Khir 104:95-8, Jun 70 (Rus)
[Posterior spondylodesis in the treatment of scoliosis using homogenic bones] Tkachenko SS.
Vestn Khir 105:123-8, Oct 70 (Rus)
[Scoliosis surgery with Harrington rods] Nachemson A.
Nord Med 85:512, 22 Apr 71 (Swe)

THERAPY

Scoliosis: a problem of treatment. Travaglini FH.
Bull Hosp Joint Dis 31:150-69, Oct 70
Vascular compression of the duodenum associated with the treatment of scoliosis. Review of the literature and report of eighteen cases. Evarts CM, et al.
J Bone Joint Surg [Am] 53:431-44 passim, Apr 71
Idiopathic scoliosis. Analysis of curve patterns and the preliminary results of Milwaukee-brace treatment in one hundred sixty-nine patients. Moe JH, et al.
J Bone Joint Surg [Am] 52:1509-33, Dec 70
The Milwaukee brace for treatment of scoliosis. Keim HA. J Pediatr 78:864-6, May 71
Dysphonias associated with spinal bracing in scoliosis. Skelly M, et al. J Speech Hear Disord 36:368-76, Aug 71
The management of scoliosis. Dommisse GF.
S Afr Med J 44:1331-5, 21 Nov 70
[Immediate effect on ventilation of a truck brace in orthopedic treatment of scoliosis in children] Lacheretz M, et al.
Acta Orthop Belg 37:156-63, Mar-Apr 71 (Fre)
[What is the justification for curvature-correcting bandage in the treatment of early scoliosis?] Krieghoff R, et al.
Beitr Orthop Traumatol 16:650-6, Nov 69 (Ger)
[Conservative and surgical treatment of scoliosis] Bauer R. Bruns Beitr Klin Chir 218:260-9, Sep 70 (Ger)
[Limitations of supportive orthodontic treatment of scoliosis patients wearing traction braces] Herrmann H. Dtsch Stomatol 21:526-30, Jul 71 (Ger)
[Nature and treatment of infant scoliosis] Otte P.
Monatsschr Kinderheilkd 117:648-9, Jan 69 (Ger)
[Asymmetrical pelvic part of the Milwaukee corset] Neugebauer H. Z Orthop 108:150-2, Jul 70 (Ger)
[A center for the treatment of vertebral deformities] Marchetti PG, et al.
Arch Putti Chir Organi Mov 25:173-88, 1970 (Ita)
[Plaster bed in the therapy of early scoliosis] Colombani S, et al.
Chir Organi Mov 58:438-46, 1970 (Ita)
[Kinesitherapy as a primary supplement in the management of spinal dysmorphisms] Moselli M, et al.
Minerva Ortop 22:43-50, Jan-Feb 71 (Ita)
[Critical evaluation of non-surgical treatment in connection with the evolution of idiopathic scoliosis] Turrini P, et al. Minerva Ortop 20:382-8, Sep 69 (Ita)
[Use of Harrington's distractor in the treatment of scoliosis] Weiss M.
Chir Narzadow Ruchu Ortop Pol 35:743-50, 1970 (Pol)
[Technic of installing a distractor in the treatmentof scoliosis] Wejsflog A.
Chir Narzadow Ruchu Ortop Pol 35:751-6, 1970 (Pol)
[Complications in the treatment of scoliosis using a distractor] Wejsflog A.
Chir Narzadow Ruchu Ortop Pol 35:645-9, 1970 (Pol)

VETERINARY

Kyphoscoliosis in a long-term selection experiment with chickens. Taylor LW.
Avian Dis 15:376-90, Apr-Jun 71
Scoliosis in ducks. Rigdon RH.
Zentralbl Veterinaermed [A] 18:243-9, May 71
[Rachitic scoliosis in tupaias] Geisel O.
Berl Munch Tieraerztl Wochenschr 83:494, 15 Dec 70 (Ger)

SCOPOLAMINE (D2, D5)

Nerve mediated response of the guinea-pig colon in situ: activity of some anticholinergic drugs. Soldani G, et al. Arch Int Pharmacodyn Ther 187:329-35, Oct 70
Premedication in children. A trial of intramuscular droperidol, droperidol-phenoperidine, papaveretum-hyoscine and normal saline. Davies DR, et al. Br J Anaesth 43:65-75, Jan 71
Sparine-demerol-scopolamine analgesia for labor and delivery. Sherman RL, et al.
J Arkansas Med Soc 67:293-6, Feb 71

ADMINISTRATION & DOSAGE

Analgesia during labor with pentazocine, promazine, promethazine and scopolamine. Ruiz-Vesiasco V.
Int Surg 56:48-55, Jul 71
[Amnesia of fixation (limited to the operative period), sedation and moderate degree of analgesia procured by drug combination (diazepam, meperidine, scopolamine, methohexital) for the treatment of ambulatory diseases] Davidau A.
Anesth Analg (Paris) 28:345-51, Mar-Apr 71 (Fre)
[Inhibition of gastric motility by rectal administration of hyoscine-N-butylbromide] Schmid E, et al.
Arzneim Forsch 21:813-5, Jun 71 (Ger)
[Experiences with a combined spasmolytic tranquilizing therapy in internal medicine] Sieg H.
Dtsch Med J 22:495-6, Aug 71 (Ger)
[Clinical trial of drugs (9): quantitative changes of effect in repeated peroral administration of methylscopolamine] Holtz A, et al.
Lakartidningen 67:Suppl II:103+, 15 Jun 70 (Swe)

ADVERSE EFFECTS

Toxic effects of scopolamine eye drops. Freund M, et al.
Am J Ophthalmol 70:637-9, Oct 70
Inhibition of mucociliary clearance from the human lung by hyoscine. Pavia D, et al.
Lancet 1:449-50, 27 Feb 71
[Changes in human chromosomes caused by some drugs] Vrba M. Cesk Oftalmol 27:134-9, May 71 (Cze)
[Premedication and paroxysmal auricular tachycardia] Lefebvre G. Union Med Can 97:1280-1, Sep 68 (Fre)

ANALYSIS

Quantitative analysis of tropane alkaloids in pharmaceutical preparations. Bićan-Fišter T.
J Chromatogr 55:417-21, 3 Mar 71
Use of tetraphenylethylene in quantitative GLC of hyoscyamine and socopolamine. Chu BL, et al.
J Pharm Sci 59:1508-10, Oct 70
USP collaborative study of the assay of atropine and scopolamine dosage forms. Grady LT, et al.
J Pharm Sci 59:1324-8, Sep 70
[Analysis of tropan alkaloids. I. Quantitative analysis of hyoscyamine and scopolamine by gas chromatography] Minamikawa T.
J Pharm Soc Jap 90:1457-60, Nov 70 (Jap)

DIAGNOSTIC USE

[Hypotonic duodenography. Indications radiographic findings] Wendenburg HH, et al.
Med Welt 21:879-83, 22 May 71 (Ger)
[Use of aeron for hypotonia of the duodenum] Sosina BM, et al. Klin Med (Mosk) 48:83-4, Oct 70 (Rus)

ISOLATION & PURIFICATION

Critical evaluation of extraction procedures in determination of atropine and scopolamine from Datura powder. Solomon MJ, et al.
J Pharm Sci 59:1680-2, Nov 70

METABOLISM

The gastrointestinal absorption and the excretion of H3-butylscopolamine (hyoscine butylbromide) in man. Hellström K, et al.
Scand J Gastroenterol 5:585-92, 1970

PHARMACODYNAMICS

Effects of belladonna alkaloids on vestibular nucleus of the cat. Jaju BP, et al. Am J Physiol 219:1248-55, Nov 70
Comparison of analgesic, cholinomimetic, anticholinergic and sympathomimetic drugs by means of the hot-plate test. Eick AJ van, et al.
Arch Int Pharmacodyn Ther 189:384-7, Feb 71
Cholinergic mechanism determines the occurrence of reward contingent positive variation (RCPV) in cat. Marczynski TJ. Brain Res 28:71-83, 16 Apr 71
Simultaneous evaluation of cardiorespiratory and analgesic effects of intravenous analgesia using pentobarbital, meperidine, and scopolamine with local anesthesia. Everett GB, et al.
J Am Dent Assoc 83:155-8, Jul 71
Differential effects of amphetamine and scopolamine on matching performance of monkeys with lateral frontal lesions. Glock SD, et al.
J Comp Physiol Psychol 73:307-13, Nov 70
Adrenergic-cholinergic involvement in modulation of learned behavior. Khavari KA.
J Comp Physiol Psychol 74:284-91, Feb 71
Autonomic receptor mechanisms in embryonic chick myocardial cell cultures. Ertel RJ, et al.
J Pharmacol Exp Ther 178:73-80, Jul 71
An examination of nerve-mediated, hyoscine-resistant excitation of the guinea-pig colon. Furness JB.
J Physiol (Lond) 207:803-21, May 70
Attenuation of stimulus sensitivity induced by scopolamine. Warburton DM, et al.
Nature (Lond) 230:126-7, 12 Mar 71
Comparative effects of amphetamine, scopolamine, chlordiazepoxide, and diphenylhydantoin on operant and extinction behavior with brain stimulation and food reward. Olds ME.
Neuropharmacology 9:519-32, Nov 70
Effects of scopolamine injection during CS-US interval on conditioning. Kral PA. Psychol Rep 28:690, Jun 71
[Central location of a genotype-dependent cholinergic mechanism controlling exploratory behaviour in mice. Abeelen JH van, et al.
Psychopharmacologia 19:324-8, 1971
The effects of cholinergic agents upon fixated behavior. Houser VP, et al.
Psychopharmacologia 21:147-56, 1971
[Effects of arecoline, scopolamine and myelotomy on the acetylcholine content of the rat spinal cord] Meyer FP, et al.
Acta Biol Med Ger 24:227-30, 1970 (Ger)
[Mescaline induced bradycardia and its antagonistic modification by chlorpromazine, pentobarbital and scopolamine after injection into lateral cerebral ventricle of mouse] Lehr E, et al.
Arzneim Forsch 20:901-3, Jul 70 (Ger)
[Influencing the bile flow by orally administered Buscopan in Sorbitol test] Boriss W, et al.
Med Welt 10:402-4, 6 Mar 71 (Ger)
[Effect of spasmolytics at the end of pregnancy] Dražančić A.
Zentralbl Gynaekol 92:741-8, 6 Jun 70 (Ger)
[Pharmacological properties of methylscopolammonium methylsulfate] Kasahara A, et al. Folia Pharmacol Jap 67:100-24, Jan 71 (Jap)
[The effects of N-methyl-hyoscine methyl sulfate (DD-234 or 1290 CERM) upon the gastrointestinal motility and salivation] Hukuhara T, et al.
Jap J Smooth Muscle Res 6:263-9, Dec 70 (Jap)

POISONING

[Aeron poisoning in a 7-year-old child] Markovskaia MS, et al. Vopr Okhr Materin Det 15:92, Aug 70 (Rus)

THERAPEUTIC USE

[Prevention and treatment of the "irreducible mydriasis--progressive atrophy of the iris" syndrome following perforating keratoplasty for keratoconus] Bonnet M, et al.
Ann Ocul (Paris) 202:1139-46, Nov 69 (Fre)
[Influence of several anticholinergic agents on digestive hemorrhages induced by phenylbutazone] Duchêne-Marullaz P, et al.
C R Soc Biol (Paris) 164:324-7, 25 Sep 70 (Fre)
[Trial of R. 306 in gastric pathology] Kressmann P, et al.
J Med Lyon 50:869-70 passim, 20 May 69 (Fre)
[Experimentation with Aparadoxal in pediatrics] Orsini A, et al.
Rev Neuropsychiatr Infant 18:967-71, Dec 70 (Fre)
[Treatment of functional abdominal distress. Double-blind test with Buscopan and Tranquo-Buscopan] Neiger A, et al.
Schweiz Med Wochenschr 100:1237-40, 11 Jul 70 (Ger)
[Sedation and spasmolysis in the puerperium] Schwarz HJ. Z Allgemeinmed 46:1564-5, 10 Nov 70 (Ger)
[Clinical experience with a new analgesic and antispastic combination] Mascheroni VC.
Clin Ter 54:261-6, 15 Aug 70 (Ita)
[Use of an antispastic-tranquilizing combination in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

urologic practice] Petrarola F, et al.
Clin Ter 54:15-20, 15 Jul 70 (Ita)
[Therapeutic considerations on kinetoses] Ferrotti A.
Minerva Med 61:1408-16, 7 Apr 70 (Ita)
[Pain control in the immediate and late postoperative period in otorrhinolaryngology] Marcon RP.
Hospital (Rio de J) 77:859-63, Mar 70 (Por)

SCOPOLAMINE DERIVATIVES see under

TROPANES (D2)

SCORBUTUS see SCURVY (C13)

SCORPIONS (B1)

The effect of prolonged dark adaptation on sensitivity and the correlation of shielding pigment in the median and lateral eyes of the scorpion. Machan L.
Comp Biochem Physiol 26:365-8, Jul 68
The conformation of small proteins. The state-diagram of a neurotoxin of Androctonus Australis Hector. Chicheportiche R, et al.
Eur J Biochem 14:549-55, Jul 70
Purification of animal neurotoxins. Isolation and characterization of eleven neurotoxins from the venoms of the scorpions Androctonus australis hector, Buthus occitanus tunetanus and Leiurus quinquestriatus quinquestriatus. Miranda F, et al.
Eur J Biochem 16:514-23, Nov 70
The amino acid sequence of neurotoxin I of Androctonus australis hector. Rochat H, et al.
Eur J Biochem 17:262-6, Dec 70
Scorpions and centipedes of the Hawaiian Islands: their medical significance. Martin CM.
Hawaii Med J 30:95-8, Mar-Apr 71
Non-specific sensory input from the eyes of scorpion, Heterometrus fulvipes. Ramakrishna T, et al.
Indian J Exp Biol 8:337-8, Oct 70
Myocardial injury after scorpion ting. Jain SR, et al.
Indian J Med Sci 24:645-6, Oct 70
Scorpion venom cardiomyopathy. Yarom R, et al.
Pathol Microbiol (Basel) 35:114-7, 1970
Effects of scorpion venom on some physiological processes in cockroach. Babu S, et al.
Toxicon 9:119-24, Apr 71
Effects of purified scorpion toxin on respiratory movements in the rat. Freire-Maia L, et al.
Toxicon 8:307-10, Nov 70
Thermostability of the venom of the scorpion Leiurus quinquestriatus (H. et E.). Nitzan M.
Toxicon 8:245-6, Sep 70
A new toxic protein in the venom of the scorpion Androctonus australis Hector. Zlotkin E, et al.
Toxicon 9:9-13, Jan 71
The effect of scorpion venom on blowfly larvae--a new method for the evaluation of scorpion venoms potency. Zlotkin E, et al. Toxicon 9:1-8, Jan 71
[Heterogeneity of the proteinogram of the hemolymph of the scorpions Androctonus autralis L., Androctonus mauretanicus Pocock and Androctonus amoreuxi Aud. and Sav. with polyacrylamide gel] Goyffon M, et al.
C R Soc Biol (Paris) 164:374-8, 25 Sep 70 (Fre)
[Influence exerted by several psycholeptic drugs on behavior of the scorpion (Androctonus australis Hector)] Mercier J, et al.
C R Soc Biol (Paris) 164:341-4, 25 Sep 70 (Fre)
[Scorpion stings in the Marseilles area] Jouglard J, et al. Mars Med 107:917-9, 1970 (Fre)

ANALYSIS

Cuticular components of common Indian arachnids and myriapods. Shrivastava SC.
Experientia 26:1028-9, 26 Sep 70

CLASSIFICATION

[Electrophoresis of hemolymph proteins in polyacrylamide gel, 1st biochemical criterion for the identification of scorpions] Lamy J, et al.
Biochimie 53:249-51, 1971 (Fre)
[Contribution to the study of Mexican scorpions (Scorpionida)] Díaz Nájera A.
Rev Invest Salud Publica 30:111-9, Apr-Jun 70 (Spa)

PHYSIOLOGY

Activity of motor fibres in the scorpion, heterometrus fulvipes. Venkatachari SA, et al.
Indian J Exp Biol 8:102-11, Apr 70
Water relations of the desert scorpion, Hadrurus arizonensis. Hadley NF. J Exp Biol 53:547-58, Dec 70
Function of the supernumerary sense cells and the relationship between modality of adequate stimulus and innervation pattern of the scorpion hair sensillum. Sanjeeva-Reddy P.
J Exp Biol 54:233-8, Feb 71
The central course of the hair afferents and the pattern of contralateral activation in the central nervous system of the scorpion, Heterometrus fulvipes. Sanjeeva-Reddy P, et al. J Exp Biol 53:165-9, Aug 70

SCOTOMA (C11)

Angioscotomata and the choroidal pattern. Birkenfeld-Tierie DA.
Ophthalmologica 162:281-3, 1971
[Non-tumorous Foster-Kennedy syndrome] Geraud J, et al. Rev Otoneuroophtalmol 42:148-50, Apr 70 (Fre)

CHEMICALLY INDUCED

Eye changes in methyl alcohol poisoning. Patel JK, et al.
J All India Ophthalmol Soc 18:125-7, Sep 70
[Macular manifestations associated with use of contraceptive pills] Paufique L, et al.
Bull Soc Ophtalmol Fr 69:467-8, Apr 69 (Fre)

DIAGNOSIS

Haidinger brush diagnosis and treatment of binocular suppression scotoma in intermittent, accommodative and postoperative esotropia. Sleight JL, et al.
Am Orthopt J 21:96-100, 1971
Binocular Amsler's charts. Lang J.
Br J Ophthalmol 55:284-5, Apr 71
The combined use of the macular electroretinogram (M-ERG) and the visually evoked responses (VER). Van Lith GH. Ophthalmologica 162:208-12, 1971
[A case of Foster-Kennedy pseudosyndrome of the vascular origin] Bregeat P, et al.
Arch Ophtalmol (Paris) 30:817-9, Nov 70 (Fre)
["Spot Scotometry (Awaya)". A new method to examine scotomas under direct ophthalmoscopy by using visuscope (euthyscope)] Awaya S, et al.
Acta Soc Ophthalmol Jap 75:1155-63, Apr 71 (Jap)

DRUG THERAPY

Effect of intravenous acetazolamide on relative arcuate scotomas and visual field in glaucoma simplex. Paterson G. Proc R Soc Med 63:865-9, Sep 70

ETIOLOGY

Drusen of the optic disc and the development of field defects. Cohen DN. Arch Ophthalmol 85:224-6, Feb 71
Aneurysm of the ophthalmic artery. A case report. Alexander RL. Can J Ophthalmol 5:248-51, Jul 70
Migraine: with special reference to scintillating scotomata. Friedman B.
Eye Ear Nose Throat Mon 50:52-8, Feb 71
[Is a bitemporal scotoma by itself an indication for examination of the optic chiasm?] Horcajada J, et al.
Wien Med Wochenschr 120:852-4, 21 Nov 70 (Ger)
[Further considerations on scotoma of suppression in concomitant strabismus] Bertoncini G, et al.
Boll Ocul 48:821-9, Nov 69 (Ita)

OCCURRENCE

Jamaican optic neuropathy in immigrants to the United States. Carroll FD.
Am J Ophthalmol 71:Suppl:261-5, Jan 71

RADIOGRAPHY

[Visual field anomalies and fluorescein angiography revealing nonvisible lesions of the fundus oculi (preliminary note)] Jayle GE, et al.
Bull Soc Ophtalmol Fr 69:1108-13, Dec 69 (Fre)

THERAPY

Haidinger brush diagnosis and treatment of binocular suppression scotoma in intermittent, accommodative and postoperative esotropia. Sleight JL, et al.
Am Orthopt J 21:96-100, 1971
[The existence, effects and mastering of additional functional scotomas in organic lesions of the fundus center] Otto J.
Klin Monatsbl Augenheilkd 157:772-93, Dec 70 (Ger)

SCRAPIE (C1, C10, C15)

Intramammary inoculation of mice with scrapie. Chandler RL. Br Vet J 127:i-ii, Feb 71
Drinking behaviour in scrapie. Beck E, et al.
Lancet 1:757, 10 Apr 71

CHEMICALLY INDUCED

Clinical and histological observations on cuprizone toxicity and scrapie in mice. Pattison IH, et al.
Res Vet Sci 12:378-80, Jul 71

CONGENITAL

An attempt to determine whether maternal transmission of scrapie occurs in mice. Clarke MC, et al. Br Vet J 127:xxxii-xxxi, Aug 71

DIAGNOSIS

Early reduction of drinking in mice with scrapie. Outram GW. Lancet 1:397, 20 Feb 71

ENZYMOLOGY

An experimental examination of the scrapie agent in cell membrane mixtures. II. The association of scrapie activity with membrane fractions. Millson GC, et al.
J Comp Pathol 81:255-65, Apr 71
Enzymes in scrapie-affected mouse spleen. Little K, et al. Res Vet Sci 12:202-4, Mar 71
[New observations on the occurrence of a RNA-dependent DNA-polymerase]
Dtsch Med Wochenschr 96:658, 9 Apr 71 (Ger)

IMMUNOLOGY

Experimental transmission of scrapie to voles and Chinese hamsters. Chandler RL.
Lancet 1:232-3, 30 Jan 71

METABOLISM

Growth potential of scrapie mouse brain in vitro. Caspary EA, et al. Nature (Lond) 229:269-70, 22 Jan 71

MICROBIOLOGY

Viral properties of scrapie. Field EJ, et al.
Nature [New Biol] 230:56-7, 10 Mar 71
[Isolation and identification of Maedi--Visna Virus from a German sheep herd] Straub OC.
Berl Munch Tieraerztl Wochenschr 83:357-60, 15 Sep 70 (Ger)
[Scrapie and its strange virus] Cozza A.
Ann Med Nav (Roma) 74:44-8, Jan-Feb 69 (Ita)

PATHOLOGY

Vacuolation of neurons in natural scrapie. Electron microscopic observations. Gignami A, et al.
J Neuropathol Exp Neurol 30:123, Jan 71
Histopathological similarities between scrapie and cuprizone toxicity in mice. Pattison IH, et al.
Nature (Lond) 230:115-7, 12 Mar 71
Aggregations of 35-nanometer particles associated with neuronal cytopathic changes in natural scrapie. Bignami A, et al. Science 171:389-90, 29 Jan 71
Susceptibility of mink to sheep scrapie. Hanson RP, et al. Science 172:859-61, 21 May 71

VETERINARY

Growth characteristics of scrapie agent-infected mouse brain cell cultures. Buening GM, et al.
Am J Vet Res 32:953-8, Jun 71
Enzymatic changes in scrapie agent-infected mouse brain. Buening GM, et al.
Am J Vet Res 32:959-66, Jun 71
Retinopathy in sheep affected with natural scrapie. Barnett KC, et al. Res Vet Sci 12:383-5, Jul 71

SCRAPIE VIRUS (B4)

The response in mice to heat treated scrapie agent. Mould DL, et al. J Comp Pathol 80:595-600, Oct 70
Antigenic and morphological similarities of progressive pneumonia virus, a recently isolated "slow virus" of sheep, to visna and maedi viruses. Takemoto KK, et al. J Virol 7:301-8, Mar 71

ANALYSIS

Characterization of ribonucleic acid from visna virus. Lin FH, et al. J Virol 7:582-7, May 71
On visna virus: purification and nucleic acid content. Lin FH, et al. Virology 42:1140-3, Dec 70

ENZYMOLOGY

An experimental examination of the scrapie agent in cell membrane mixtures. II. The association of scrapie activity with membrane fractions. Millson GC, et al.
J Comp Pathol 81:255-65, Apr 71
Ribonucleic acid-dependent deoxyribonucleic acid polymerase in visna virus. Lin FH, et al.
J Virol 6:702-4, Nov 70
Visna virus: a slow virus with an RNA dependent DNA polymerase. Stone LB, et al.
Nature (Lond) 229:257-8, 22 Jan 71
DNA polymerase activities in varions of visna virus, a causative agent of a "slow" neurological disease. Schlom J, et al.
Proc Natl Acad Sci USA 68:182-6, Jan 71
RNA-dependent DNA polymerase activity in five RNA viruses: divalent cation requirements. Scolnick E, et al. Proc Natl Acad Sci USA 67:1789-96, Dec 70

GROWTH & DEVELOPMENT

Growth characteristics of scrapie agent-infected mouse brain cell cultures. Buening GM, et al.
Am J Vet Res 32:953-8, Jun 71
Very early replication of scrapie in lymphocytic tissue. Mould DL, et al. Nature (Lond) 228:779-80, 21 Nov 70
Multiplication of scrapie agent in mouse spleen. Clarke MC, et al. Res Vet Sci 12:195-7, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ISOLATION & PURIFICATION

An experimental examination of the scrapie agent in cell membrane mixtures. I. Stability and physicochemical properties of the scrapie agent. Hunter GD, et al. J Comp Pathol 81:23-32, Jan 71
An experimental examination of the scrapie agent in cell membrane mixtures. 3. Studies of the operational size. Kimberlin RH, et al.
J Comp Pathol 81:383-91, Jul 71
Multiplication of scrapie agent in cell culture. Clarke MC, et al. Res Vet Sci 11:500-1, Sep 70
The unsuccessful dialysis of scrapie agent from goat brain and spleen. Mould DL, et al.
Res Vet Sci 11:304-5, May 70
Detection of the scrapie agent in tissues of normal mice with special reference to the possibility of accidental laboratory contamination. Pattison IH, et al.
Res Vet Sci 12:30-9, Jan 71
On visna virus: purification and nucleic acid content. Lin FH, et al. Virology 42:1140-3, Dec 70
[Isolation and identification of Maedi--Visna Virus from a German sheep herd] Straub OC.
Berl Munch Tieraerztl Wochenschr 83:357-60, 15 Sep 70 (Ger)

PATHOGENICITY

Investigations on mouse-adapted scrapie virus. Gardashyan AM. Acta Virol (Praha) 14:414, Sep 70
Transformation of murine cells by two "slow viruses," visna virus and progressive pneumonia virus. Takemoto KK, et al. J Virol 7:770-5, Jun 71
Viral properties of scrapie. Field EJ, et al.
Nature [New Biol] 230:56-7, 10 Mar 71
[Scrapie and its strange virus] Cozza A.
Ann Med Nav (Roma) 74:44-8, Jan-Feb 69 (Ita)

SCREW WORM INFECTION see under MYIASIS

(C1)

SCROFULA see TUBERCULOSIS, LYMPH NODE

(C1, C9)

SCROTUM (A5)

Sudden scrotal edema in cirrhosis: a postparacentesis syndrome. Conn HO. Ann Intern Med 74:943-5, Jun 71
A monstrous growth: an historical note on carcinoma of the scrotum. Kipling MD, et al.
Br J Ind Med 27:382-4, Oct 70
Scrotal gangrene after male sterilization. Pryor JP, et al. Br Med J 1:272, 30 Jan 71
Scrotal and testicular temperature: its relation to sperm count before and after operation for varicocele. Agger P. Fertil Steril 22:286-97, May 71
Epithelioma of the scrotum in Scotland in 1967. Doig AT. Health Bull (Edinb) 28:45-51, Jul 70
Gummatous sporotrichosis. Urabe H, et al.
Int J Dermatol 9:301-3, Oct-Dec 70
Abdominoscrotal hydrocele. Gupta RL, et al.
Int Surg 55:45-8, Jan 71
Cushing's syndrome caused by malignant tumor in the scrotum: clinical, pathologic and biochemical studies. Morimoto Y, et al.
J Clin Endocrinol Metab 32:201-10, Feb 71
Umbilical arteritis and phlebitis with scrotal abscess and peritonitis. Dinari G, et al.
J Pediatr Surg 6:176, Apr 71
Evaluation of the scrotal inlay procedure (Turner-Warwick) for strictures of the deep urethra. Brendler H, et al. J Urol 105:256-61, Feb 71
Scrotal herniation of the ureter. Mallouh C, et al.
J Urol 106:38-41, Jul 71
Acute scrotum in children with emphasis on torsion of spermatic cord. Moharib NH, et al.
J Urol 104:601-3, Oct 70
Cutaneous metastasis confined to the scrotum. Report of two cases. Weitzner S.
Rocky Mt Med J 67:40-2, Sep 70
Abdominoscrotal hydrocele in an infant. Ahmed S.
Surgery 70:316-7, Aug 71
Oil cancer in the Savoy Alps and the Birmingham region: a comparison. Kipling MD.
Trans Soc Occup Med 21:73-8, Jul 71
[Case of spontaneous foudroyant gangrene of the external genital organs (Fournier's syndrome)] Duperrat B, et al.
Bull Soc Fr Dermatol Syphiligr 76:153-6, 1969 (Fre)
[Systemic aphthosis with thrombosis of the inferior vena cava] Dupuy R, et al.
Bull Soc Fr Dermatol Syphiligr 77:762-4, 1970 (Fre)
[Lymphangiectasis with lymphorrhea of the scrotum and the foreskin of filarian origin] Lacroux R, et al.
Bull Soc Fr Dermatol Syphiligr 77:851-2, 1970 (Fre)
[Cancer of the scrotum of occupational origin] Perrot J, et al.
Bull Soc Fr Dermatol Syphiligr 76:371-2, 1969 (Fre)
[Fulminating gangrene of genital region teguments f a patient treated with antimitotics] Autissier JM, et al.
Lyon Med 221:1158 passim, 11 May 69 (Fre)
[Scrotal cancer of occupational origin] Perrot H, et al.
Lyon Med 221:1031-2, 27 Apr 69 (Fre)
[Paget's disease localized on the genito-femoral region] Tapody E, et al.
Orv Hetil 111:2784-5, 22 Nov 70 (Hun)
[A case of inguino-scrotal bladder hernia] Morucci M, et al. Nunt Radiol 35:23-30, Jan 69 (Ita)
[Extratesticular intrascrotal rhabdomyosarcomas] Fregola E. Rass Int Clin Ter 49:670-8, 15 Jun 69 (Ita)
[Leiomyoma of the scrotum: suggestive of malignancy] Matsubara J, et al.
Jap J Cancer Clin 17:151-4, 1971 (Jap)
[Larval granuloma. Localization in the scrotum] Bolio Cicero A, et al.
Prensa Med Mex 35:218-9, May-Jun 70 (Spa)
[Scrotal gangrene] Bernstein-Hahn L.
Rev Argent Urol Nefrol 39:51-2, Jan-Jun 70 (Spa)

ABNORMALITIES

Transposition of the penis and scrotum. (A case report). Kapur S, et al. Indian Pediatr 7:236-8, Apr 70
A familial syndrome of short stature associated with facial dysplasia and genital anomalies. Aarskog D.
J Pediatr 77:856-61, Nov 70
Transposition of penis and scrotum in 2 brothers. Datta NS, et al. J Urol 105:739-42, May 71
Doughnut scrotum. Datta NS, et al.
J Urol 105:692-3, May 71
[Scrotal accessory spleen] Venzoni M, et al.
Minerva Chir 25:1299-307, 15 Oct 70 (Ita)

BLOOD SUPPLY

Scrotal thrombophlebitis: report of a case. Isbister WH.
J Urol 105:409-10, Mar 71

INJURIES

[Surgical indications in closed trauma of the scrotum (epididymis and testicular ruptures)] Neidhardt JH, et al. Lyon Med 222:559-60, 12 Oct 69 (Fre)
[Total traumatic avulsion of the skin of the male genital organs] Caby F, et al.
Mem Acad Chir (Paris) 94:258-61, 1968 (Fre)
[2 cases of traumatic avulsion of the penoscrotal integument] Calzolari L, et al.
Minerva Chir 25:1115-20, 31 Aug 70 (Ita)
[Treatment in detachment of the scrotum and scalping of the penis] Nikoshin LI.
Vestn Khir 105:117, Nov 70 (Rus)

PATHOLOGY

Fournier's gangrene. Talarico RD.
Mod Treat 7:1049-53, Sep 70 (12 ref.)
Surgical treatment of elephantiasis of male genitalia. Khanna NN. Plast Reconstr Surg 46:481-7, Nov 70

PHYSIOLOGY

Metabolic, respiratory and vasomotor responses to heating the scrotum of the ram. Hales JR, et al.
J Physiol (Lond) 212:353-75, Jan 71
Interdisciplinary study: scrotal sac and testes. Psychophysiological and psychological observations. Bell AI, et al. Psychoanal Q 40:415-34, 1971
[Difference in temperature between the abdominal cavity and scrotum and its effect on the undescended testis] Jirásek J. Rozhl Chir 50:39-42, Jan 71 (Cze)

SURGERY

The results and complications of scrotal-flap urethroplasty for stricture. Blandy JP, et al.
Br J Urol 43:52-7, Feb 71
Scrotal flap repair of neo-rectal stenosis following the Gersuny procedure. Secrest AJ, et al.
J Urol 104:557-8, Oct 70
Idiopathic gangrene of the scrotum. A case report. Yoon SH. NS Med Bull 49:192-3, Dec 70
Evaluation of the scrotal inlay procedure (Turner-Warwick) for strictures of the deep urethra. Brendler H, et al.
Trans Am Assoc Genitourin Surg 62:88-99, 1970
[Scrotal edema] Ott R.
Ther Umsch 27:327-30, May 70 (Fre)
[Treatment of Fournier's gangrene of the scrotum] Aberle B, et al. Urologe 10:166-8, Jul 71 (Ger)

SCRUB TYPHUS (C1)

[Tsutsugamushi disease] Katsura S.
Naika 27:451-4, Mar 71 (Jap)

DRUG THERAPY

Tetracycline therapy for scrub typhus. Sheehy TW.
Ala J Med Sci 8:75-81, Jan 71

OCCURRENCE

[Vectors of tsutsugamushi fever in the Far East] Shubin FN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:112-5, Sep 70 (Rus)

SCULPTURE see under ART (K)

SCURVY (C13)

What's new about scurvy? Hodges RE.
Am J Clin Nutr 24:383-4, Apr 71
Clinical manifestations of ascorbic acid deficiency in man. Hodges RE, et al.
Am J Clin Nutr 24:432-43, Apr 71
Some behavioral effects of ascorbic acid deficiency. Kinsman RA, et al. Am J Clin Nutr 24:455-64, Apr 71

BLOOD

The relationship between ascorbic acid concentrations and cortisol production during the development of scurvey in the guinea-pig. Odumosu A, et al.
Br J Pharmacol 40:548P+, Nov 70

COMPLICATIONS

[Moeller-Barlow's disease. Clinical picture and surgical treatment of extremly dislocated femoral epiphyses] Meinecke R, et al. Z Orthop 108:286-93, Sep 70 (Ger)

HISTORY

Scurvy as an occupational disease. I. Introduction. McCord CP. J Occup Med 13:306-7, Jun 71
Scurvy as an occupational disease. II. Early sea explorations. McCord CP.
J Occup Med 13:348-51, Jul 71
Scurvy as an occupational disease. 3 Scurvy during the early global circumnavigations. Mccord CP.
J Occup Med 13:393-5, Aug 71
[Discovery of experimental scurvy in guinea pigs in 1907 by Holst and Frolich] Nicolaysen R.
Nord Med 85:69-74, 21 Jan 71 (Nor)

METABOLISM

Metabolism of 14C- and 3H-labeled L-ascorbic acid in human scurvy. Baker EM, et al.
Am J Clin Nutr 24:444-54, Apr 71
Histological and histochemical investigations of the guinea-pig adrenal cortex in experimental scurvy. Malendowicz L.
Folia Histochem Cytochem (Krakow) 8:287-316, 1970
Effect of scurvy on the intestinal transport of methionine in vitro. Mahmood A, et al.
Indian J Biochem 7:209-10, Sep 70
Homocysteine metabolism in scurvy, growth and arteriosclerosis. McCully KS.
Nature (Lond) 231:391-2, 11 Jun 71
[Salicylate action on adrenal vitamin C content in scurvy] Rokicki W, et al.
Przegl Lek 27:291-3, 1971 (Pol)

PATHOLOGY

Histological and histochemical investigations of the guinea-pig adrenal cortex in experimental scurvy. Malendowicz L.
Folia Histochem Cytochem (Krakow) 8:287-316, 1970
Fine structure of epiphyseal cartilage in experimental scurvy. Bonucci E. J Pathol 102:219-27, Dec 70

PHYSIOPATHOLOGY

Pituitary adrenal axis evaluation in human scurvy. Kitabchi AE, et al. Am J Clin Nutr 23:1012-4, Aug 70
Cochlear potentials of scorbutic guinea pigs. Brumett RE, et al. Arch Otolaryngol 93:292-6, Mar 71
The vascularization of scorbutic bone. An experimental study in the guinea-pig. Phillips HJ.
J Anat 108:347-64, Feb 71
Malleting injuries of teeth in scorbutic and normal guinea pigs. Kalnins V, et al. Oral Surg 31:400-8, Mar 71

PREVENTION & CONTROL

Conquest of deficiency disease. Aykroyd WR.
Indian J Med Sci 25:351-5, May 71
[Arctic nutrition] Nicolaysen R.
Nord Med 85:37-45, 14 Jan 71 (Nor)

RADIOGRAPHY

[Scorbutus still exists: major form in 2 sisters] Rousseau J, et al.
J Radiol Electrol Med Nucl 52:294-5, May 71 (Fre)

SEALED CABIN ECOLOGY (G3)

Detailed study of contaminant production in a space cabin simulator at 258 mm. mercury. Conkle JP, et al.
Aerosp Med 41:1031-8, Sep 70
Soyuz-9 flight, a manned biomedical mission. Mandrovsky BN. Aerosp Med 42:172-7, Feb 71
Aquanaut sleep patterns during tektite I: a 60-day

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

habitation under hyperbaric nitrogen saturation. Naitoh P, et al. **Aerosp Med 42:69-77, Jan 71**
Microbes and space flight. Shilov V. **Aerosp Med 41:1353, Dec 70**
Quantitative and qualitative microbiological profiles of the Apollo 10 and 11 spacecraft. Puleo JR, et al. **Appl Microbiol 20:384-9, Sep 70**
Glucose intolerance in man during prolonged exposure to a hypobaric-hyperoxic environment. Love TL, et al. **Diabetes 20:282-5, May 71**
Mnaement of metabolic waste in the space environment. Capps WF Jr, et al. **Dis Colon Rectum 14:32-7, Jan-Feb 71**
Aerospace toxicology. II. Toxicological evaluation of materials associated with spacecraft. Back KC. **Fed Proc 29:2006-9, Nov-Dec 70**
Dosimetry of proton radiation fields in space with nuclear emulsions. Schaefer HJ, et al. **Health Phys 19:663-70, Nov 70**
Dehydrated food for research studies in simulator chambers. Friedle CJ, et al. **J Am Diet Assoc 59:22-6, Jul 71**
Possible effects of space cabin environments on drugs. Bitter HL. **Milit Med 135:495-9, Jun 70**
[Purification of carbon monoxide by hopcalite in a closed environment] Ducros H. **Rev Corps Sante Armees 9:645-64, Oct 68 (Fre)**
[Man and his relations to the environment and with the handling of space vehicles] Scano A. **Riv Med Aeronaut Spaz 34:111-37, Jan-Jun 71 (Ita)**
[Immunologic problems of closed spaces and gnotobiology] Lebedev KA, et al. **Usp Sovrem Biol 71:235-52, Mar-Apr 71 (149 ref.) (Rus)**

INSTRUMENTATION

[Underwater laboratory "Helgoland". A natural, scientific and technological pioneering enterprise] Kinne O. **Naturwissenschaften 57:480-7, Oct 70 (Ger)**

SEALS see under PINNIPEDIA (B2)

SEASICKNESS see under MOTION SICKNESS

(C11, C14)

SEASONS (G3, H)

Histoenzymology of frog adrenal beta-glucuronidase: a histochemical model for hormone-enzyme relation. Varute AT. **Acta Histochem (Jena) 37:238-49, 1970**
Seasonal variations of the corticosteroid fractions in guinea pig tissue and organs. Fazekas IG, et al. **Acta Physiol Acad Sci Hung 38:33-41, 1970**
Congenital dislocation of the hip (CDH) and seasonality: the gestational age of vulnerability to some seasonal factor. Chen R, et al. **Am J Epidemiol 92:287-93, Nov 70**
Season of birth and birth order in relation o prenatal pathology. Janerich DT, et al. **Am J Epidemiol 92:351-6, Dec 70**
Three patterns of seasonality in American births. Lyster WR. **Am J Obstet Gynecol 110:1025-8, 1 Aug 71**
Some like it hot: social participation and environmental use as functions of the season. Michelson W. **Am J Sociol 76:1072-83, May 71**
Evidence for seasonal variation in aggressive behaviour by Macaca mulatta. Wilson AP, et al. **Anim Behav 18:719-24, Nov 70**
Seasonal incidence of bacterial temperature types in Louisiana soil and water. Larkin JM. **Appl Microbiol 20:286-8, Aug 70**
Seasonal patterns of acute infection in Tecumseh, Mich. Monto AS, et al. **Arch Environ Health 21:408-17, Sep 70**
Cardiac effects of cold-induced hyperthyroidism and the seasonal variation in incidence of myocardial infarction. Harland WA, et al. **Br J Exp Pathol 52:147-51, Apr 71**
Comparisons of secular and seasonal variations in the incidence of anencephalus in Belfast and four Scottish cities, 1956-66. Elwood JH, et al. **Br J Prev Soc Med 25:17-25, Feb 71**
On Edwards' criterion of seasonality and a non-parametric alternative. Hewitt D, et al. **Br J Prev Soc Med 25:174-6, Aug 71**
Schizophrenia and season of birth. James WH. **Br J Psychiatry 119:229-30, Aug 71**
Seasonal variation in suicidal deaths. Lester D. **Br J Psychiatry 118:627-8, Jun 71**
A technique for comparing the relative importance of season of conception and season of birth: application to emotionally disturbed children. McNeil TF, et al. **Br J Psychiatry 118:329-35, Mar 71**
Season of birth, intelligence and personality. Farley FH. **Br J Psychol 59:281-3, Aug 68**
The magnitude of seasonal changes in larval populations of Aedes aegypti in Bangkok, Thailand. Tonn RJ, et al. **Bull WHO 42:943-50, 1970**
The life cycle and seasonal variation of Davainea tetraoensis Fuhrmann 1919, a cestode parasite of ruffed grouse, Bonasa umbellus (L.). Dick TA, et al. **Can J Zool 49:109-19, Jan 71**
Seasonal changes in glycerol content and supercooling points of Megachile rotundata (F.) and M. relativa Cress. Krunic MD, et al. **Can J Zool 49:663-6, May 71**
Studies on the band-tailed pigeon (Columba fasciata) in British Columbia. 1. Seasonal changes in gonadal development and crop gland activity. March GL, et al. **Can J Zool 48:1353-7, Nov 70**
Quantitative immunoelectrophoresis of proteins in serum from a normal population: season-, age-, and sex-related variations. Lyngbye J, et al. **Clin Chem 17:495-500, Jun 71**
Plasma immunoglobulin concentrations in an African (Gambian) community in relation to season, malaria and other infections and pregnancy. McGregor IA, et al. **Clin Exp Immunol 7:51-74, Jul 70**
Suicide: seasonal patterns and related variables. Sanborn DE 3d, et al. **Dis Nerv Syst 31:702-4, Oct 70**
Seasonal variations in the cyanophils and the gonadotropic potency of the pituitary in relation to gonadal activity in the catfish, Mystus vittatus (Bloch). Singh TP. **Endokrinologie 56:292-303, 1970**
Seasonal changes in the thyroid gland of the palm squirrel funambulus pennanti (Wroughton) with a note on the occurrence of parasites. Vijayan E, et al. **Endokrinologie 58:27-36, 1971**
The influence of body weight, external temperature, seasons of the year and fasting on respiratory metabolism in Polydesmus complanatus L. (Diplopoda). Gromysz-Kalkowska K. **Folia Biol (Krakow) 18:311-26, 1970**
Seasonal cycles in melatonin synthesis by the pineal gland as related to testicular function in the house sparrow (Passer domesticus). Barfuss DW, et al. **Gen Comp Endocrinol 17:183-93, Aug 71**
Diurnal and seasonal variations of plasma adrenal steroid hormone in the white-throated sparrow, Zonotrichia albicollis. Dusseau JW, et al. **Gen Comp Endocrinol 16:399-408, Jun 71**
Seasonal changes of pelage in the vole (Microtus agrestis). I. Correlation with changes in the endocrine glands. al-Khateeb A, et al. **Gen Comp Endocrinol 16:217-28, Apr 71**
Seasonal changes of pelage in the vole (Microtus agrestis). II. The effect of daylength. al-Khateeb A, et al. **Gen Comp Endocrinol 16:229-35, Apr 71**
Seasonal changes of pelage in the vole (Microtus agrestis). 3. The role of the endocrine system. al-Khateeb A, et al. **Gen Comp Endocrinol 16:236-40, Apr 71**
Seasonal changes in the histology of the adrenal gland of the cobra, Naja naja. Lofts B, et al. **Gen Comp Endocrinol 16:121-31, Feb 71**
Histological and histochemical periodicity of cervine Leydig cells in relation to antler growth. Markwald RR, et al. **Gen Comp Endocrinol 16:268-80, Apr 71**
Seasonal changes in the testicular lipids and after hypophysectomy in the Indian house lizard, Hemidactylus flaviviridis Ruppell. Reddy PR, et al. **Gen Comp Endocrinol 16:288-97, Apr 71**
137 Cs: seasonal patterns in native residents of three contrasting Alaskan villages. Hanson WC. **Health Phys 20:585-91, Jun 71**
Does the elimination rate of cesium in humans change with the seasons? Lloyd RD, et al. **Health Phys 18:623-9, Jun 70**
Seasonal variation and distribution of 65Zn, 54Mn and 51Cr in tissues of the crab Cancer magister Dana. Tennant DA, et al. **Health Phys 18:649-57, Jun 70**
Seasonality of gonorrhea in the United States. Cornelius CE 3d. **HSMHA Health Rep 86:157-60, Feb 71**
Season of birth, parental age, menarcheal age and body form: some inter-relationships in young women. Hillman RW, et al. **Hum Biol 42:570-80, Dec 70**
Sex ratio in the Australian capital territory. Lyster WR. **Hum Biol 42:670-8, Dec 70**
Trans-monsoonal persitence of Kyasanur Forest disease virus in Haemaphysalis nymphs infected in nature. Rajagopalan PK, et al. **Indian J Med Res 8:1184-7, Sep 70**
A note on the seasonal prevalence of adults of Aedes aegypti in Vellore. Reuben R. **Indian J Med Res 58:854-6, Jul 70**
Effect of lambing season on birth weight and weaning weight of Baunur sheep. Gangwar VS, et al. **Indian Vet J 47:1084-6, Dec 70**
Studies on sheep nutrition. II. Plane of nutrition of grazing sheep during different months. Joshi DC, et al. **Indian Vet J 47:1089-94, Dec 70**
Performance of pure Jersey cattle in India. I. Length of dry period and its effect on the subsequent lactation milk yield in cows. Kapur IS, et al. **Indian Vet J 48:36-44, Jan 71**
Seasons of hatching on the production characteristics of white leghorn fowls. Rao GV. **Indian Vet J 48:592-8, Jun 71**
Effect of season of calving on some of the economic traits in Ongole cattle. Rao MV, et al. **Indian Vet J 48:366-73, Apr 71**
Comparison of seasonal influence on pregnancy duration in man and domestic animals. Cohen P. **Int J Biometeorol 14:365-9, Dec 70**
Seasonal variations in the conception rate of beef cattle in the seasonal--equatorial climate of Southern Nigeria. Steinbach J, et al. **Int J Biometeorol 15:71-9, Mar 71**
Plasma glutamic-oxaloacetic and glutamic-pyruvic transaminase activities in lactating Holstein cattle. II. Some effects of environmental temperature, season, body weight, and age. Boots LR, et al. **J Dairy Sci 53:1587-91, Nov 70**
Seasonal variations in production in vitro of corticosteroids by the frogs (Rana rugulosa) adrenal. Chan SW, et al. **J Endocrinol 50:1-17, May 71**
Seasonal changes in adrenal activity in the frog (Rana rugulosa). Chan SW, et al. **J Endocrinol 48:lxxii, Dec 70**
Rhythms in the production of corticosteroids in birds. Chan SW, et al. **J Endocrinol 48:xv-xvi, Sep 70**
Seasonal changes in the sensitivity of spayed ewes to progesterone and oestrogen. Fletcher IC, et al. **J Endocrinol 50:539-40, Jul 71**
Effect of oestrogen on oestrous behaviour and its variation with season in the ewe. Fletcher IC, et al. **J Endocrinol 50:685-96, Aug 71**
Annual changes in the menstruation of rhesus monkeys. Keverne EB, et al. **J Endocrinol 48:669-70, Dec 70**
Seasonal prolactin secretion in the anadromous threespine stickleback, Gasterosteus aculeatus L. form trachurus. Leatherland JF. **J Endocrinol 48:xxxi+, Sep 70**
The Sertoli cells in the testis of the common frog, Rana temporaria. Oordt PG van, et al. **J Endocrinol 48:1, Dec 70**
Seasonal variations in probable neurosecretory cells in the ganglia of Littorina littorea (L.). Williams EE, et al. **J Endocrinol 48:68-9, Dec 70**
Seasonal variations of fungi in the sputa and throats of asthmatic patients. Chen CY. **J Formosan Med Assoc 69:190-201, 28 Apr 70**
Thermal requirements of secondary schoolchildren in winter. Auliciems A. **J Hyg (Camb) 67:59-65, Mar 69**
Seasonal variations in the food consumption of woodchucks (Marmota monax). Fall MW. **J Mammal 52:370-5, May 71**
Spermatogenesis in some neotropical species of Myotis. Wilson DE, et al. **J Mammal 52:420-6, May 71**
Seasonal distribution and abundance of females of Simulium aureum Fries (Simuliidae: Diptera) in irrigated areas of Alberta. Shemanchuk JA, et al. **J Med Entomol 8:29-33, 30 Mar 71**
Seasonal ovarian histology of the ovoviviparous iguanid lizard Sceloporus jarrovi Cope. Goldberg SR. **J Morphol 132:265-75, Nov 70**
Development and survival of infective larvae of the cattle nematode, Ostertagia ostertagi. Williams JC, et al. **J Parasitol 57:327-38, Apr 71**
Psychopathology and seasonal preferences; an aspect of temporal experience. Palmer RD. **J Proj Tech Pers Assess 34:513-8, Dec 70**
Student mood during a full academic year. Nelson TM. **J Psychosom Res 15:113-22, Mar 71**
Induction of fertile oestrus in prepubertal ewes during the anoestrous season. Burfening PJ, et al. **J Reprod Fertil 23:147-50, Oct 70**
Seasonal changes in the adenohypophysis of the bank vole, Clethrionomys glareolus. Clarke JR, et al. **J Reprod Fertil 25:310-1, May 71**
The seasonal nature of reproductive phenomena in the sheep. I. Variation in sensitivity to oestrogen. Gibson WR, et al. **J Reprod Fertil 24:9-18, Jan 71**
Seasonal changes in the reproductive tract of the male rock hyrax, Procavia capensis. Millar RP, et al. **J Reprod Fertil 23:497-9, Dec 70**
The relationship between numbers of spermatozoa inseminated and fertilization rate of ova in ewes treated with fluoro-progestagen intravaginal sponges in summer and autumn. Quinlivan TD. **J Reprod Fertil 23:87-102, Oct 70**
The seasonal nature of reproductive phenomena in the sheep. II. Variation in fertility following synchronization of oestrus. Robinson TJ. **J Reprod Fertil 24:19-27, Jan 71**
Some observations on the seasonal incidence and frequency of oestrus in breeding bitches in Britain. Christie DW, et al. **J Small Anim Pract 12:159-67, Mar 71**
Seasonal variations in myocardial infarction. Abramov A. **Lancet 1:83, 9 Jan 71**
Seasonal variation in ischaemic-heart-disease mortality. Anderson TW, et al. **Lancet 2:1140, 28 Nov 70**
Season and sex ratio. Goodwin JM. **Lancet 1:652, 27 Mar 71**
Coital rate, sex ratio, and season of birth. James WH. **Lancet 2:159, 17 Jul 71**
Chromosomal aberrations and month of birth. Jongbloet PH. **Lancet 2:1317-8, 19 Dec 70**
Seasonal variation in thyroid function. Connolly RJ. **Med J Aust 1:633-6, 20 Mar 71**
Seasonal selection as a factor in rotifer cyclomorphosis. Halbach U, et al. **Naturwissenschaften 58:326, Jun 71**
Seasonal change in a balanced polymorphism in Haemonchus contortus populations. LeJambre LF, et al. **Parasitology 62:151-5, Feb 71**
Circumstances influencing Otto Loewi's discovery of chemical transmission in the nervous system. (Loewi O), Friedman AH. **Pfluegers Arch 325:85-6, 1971**
Parity of fall-winter populations of Anopheles freeborni in the Sacramento Valley, California. A

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

preliminary report. McKenna RJ, et al.
Proc Pap Annu Conf Calif Mosq Control Assoc 38:94-5, 1970

Epidemiological studies on gastro-intestinal nematode parasites of sheep. Infection patterns on clean and autumn-contaminated pasture. Boag B, et al.
Res Vet Sci 12:132-9, Mar 71

The seasonal incidence of inhibition of development in Haemonchus contortus. Connan RM.
Res Vet Sci 12:272-4, May 71

Seasonal variations in blood glucose and glycogen levels of some tissues of Strophocheilus oblongus. (Mollusca, gastropoda). Marques M, et al.
Rev Bras Biol 30:43-8, Apr 70

Seasonal distribution of births of boys with anomalies of the urethra. Theander G.
Scand J Urol Nephrol 4:1-5, 1970

Annual biological clocks. Pengelley ET, et al.
Sci Am 224:72-9, Apr 71

Nest predation affecting the breeding season of the clay-colored robin, a tropical song bird. Morton ES.
Science 171:920-1, 5 Mar 71

Seasonal decline of a mosquito population producing sample distortion. Cuéllar CB.
Trans R Soc Trop Med Hyg 64:475-6, 1970

Production of an extra summer crop of lambs. Ross DB.
Vet Rec 89:149-50, 31 Jul 71

The effect of environment on ABO antibodies. Tovey LA, et al. Vox Sang 19:64-72, Jul 70

Seasonal variations in the basal metabolic rate of the Korean. Park HK, et al. Yonsei Med J 10:139-45, 1969

Cardiac catecholamines in rabbits: seasonal changes and norepinephrine effect. Yoo CS, et al.
Yonsei Med J 10:170-2, 1969

[Thermoregulative abilities of the hedgehog in summer and winter in the absence of hibernation] Hildwein G, et al. Arch Sci Physiol (Paris) 24:133-43, 1970 (Fre)

[Treatment of vernal conjunctivitis by cryocoagulation] Coscas G, et al.
Bull Soc Ophtalmol Fr 69:797-800, Sep-Oct 69 (Fre)

[Variations of peripheral plasma testosterone in the Pekin duck during the annual cycle] Garnier DH.
C R Acad Sci [D] (Paris) 272:1665-8, 22 Mar 71 (Fre)

[Isotopic study (45 Ca) of calcic metabolism in the lerot in the course of the seasonal cycle] Garcin H.
C R Soc Biol (Paris) 164:2004-7, 1970 (Fre)

[Adrenocortical function during the annual cycle in a hibernating animal: the dormouse (Eliomys quercinus L). I. Activity during summer: reproductive period] Boulouard R.
Gen Comp Endocrinol 16:465-77, Jun 71 (Fre)

[Seasonal variations of the thyroxine effect on carp glucide metabolism] Murat JC, et al.
J Physiol (Paris) 63:80A, Mar-Apr 71 (Fre)

[Antibody formation in Rana temporaria L. I. Dependency of immune cell formation on season and temperature] Herbold DW, et al.
Arb Paul Ehrlich Inst 65:42-7, 1970 (Ger)

[Summer days and their bioclimatic importance] Zenker H.
Arch Phys Ther (Leipz) 21:73-9, Jan-Feb 69 (Ger)

[Annual rhythm in the effect of insulin on the eviscerated rabbit and on the isolated perfused rat heart] Hommel H, et al.
Diabetologia 7:6-9, Feb 71 (Ger)

[Influence of the seasonal changes of air pollution and of weather-factors on the incidence of chronic non-specific respiratory diseases. VI] Reichel G, et al.
Int Arch Arbeitsmed 27:130-54, 1970 (Ger)

[The dependence of mineral feed consumption of cattle in the pasture on the composition and structure of the mineral mixture, the site, the seasons and the performance] Anke M, et al.
Monatsh Vet Med 26:7-12, Jan 71 (Ger)

[Mycoses know no winter] Rieth H.
Mykosen 11:757, 1 Oct 68 (Ger)

[Effect of seasonal changes on the daily periodicity of radiosensitivity in mice] Kuznecova SS.
Radiobiol Radiother (Berl) 11:611-9, 1970 (Ger)

[Seasonal variation and the duration of pregnancy] Kirchhoff D, et al.
Z Geburtshilfe Gynaekol 174:9-13, 1971 (Ger)

[Correlation between changes in the geo-atmopheric environment and acute accidents caused by water soluble organic iodized contrast medum] Belli I, et al.
Radiol Med (Torino) 55:657-70, Jul 69 (Ita)

[Hygienic studies on the weather in Kumamoto district. I. Seasonal variation of the air temperature in and around Kumamoto city] Tsutae T.
J Kumamoto Med Soc 44:1222-8, 25 Dec 70 (Jap)

[Environment and biorhythm--seasonal changes of physiological function in man] Watanabe G.
J Physiol Soc Jap 33:325-8, 1971 (Jap)

[Seasonal variation of vago-sympathetic nerve stimulation effects on the frog] Hiramatsu S.
Med Biol (Tokyo) 81:257-62, 10 Dec 70 (Jap)

[Seasonal incidence of accidents in the countryside] Koska W. Pol Tyg Lek 25:1224-6, 10 Aug 70 (Pol)

[Effect of weather and climate on the incidence of cerebral strokes] Leszczyński B.
Wiad Lek 23:1477-80, 1 Sep 70 (Pol)

[Relationship between obstetric pathology and meteorological factors] Zhelokhoviseva IN, et al.
Akush Ginekol (Mosk) 46:27-31, Nov 70 (Rus)

[Seasonal changes in the rate of development and sensitivity of lymphosarcoma to olivomycin in male and female albino mice] Averbukh LA, et al.
Antibiotiki 16:224-8, Mar 71 (Rus)

[Endogenous rhythms with annual periodicity] Kazantsev EF. Biofizika 14:684-7, Jul-Aug 69 (Rus)

[Seasonal mitotic rhythm in the cells of the retina and crystalline lens epithelium of grass frogs] Farberov AI, et al. Biull Eksp Biol Med 66:96-8, Sep 68 (Rus)

[Seasonal variations in heat insulation in the rat organism] Shung KV, et al.
Dokl Akad Nauk SSSR 190:962-5, Feb 70 (Rus)

[External secretory function of the pancreas at different seasons of the year] Rakhimov K, et al.
Fiziol Zh SSSR 57:297-303, Feb 71 (Rus)

[Seasonal changes in the thermal state of school children in Ashkhabad] Korenevskaia EI, et al.
Gig Sanit 35:46-50, Aug 70 (Rus)

[Importance of industrial microclimate in human seasonal adaptation] Malysheva AE, et al.
Gig Sanit 35:24-9, Nov 70 (Rus)

[Effect of seasonal factors on blood lipid levels and some blood coagulation indices in patients with arteriosclerosis and essential hyperlipidemia] Krivoruchenko IV. Kardiologiia 10:35-41, Oct 70 (Rus)

[Seasonal changes in the population dynamics of Hirstionyssus isabellinus Oudemans, 1913 and Hyperlaelaps arvalis Zachvatkin, 1948 on the common vole (Microtus arvalis Pall.)] Antonenko VV.
Med Parazitol (Mosk) 39:741-2, Nov-Dec 70 (Rus)

[The effect of the season and bodily overheating on the threshold of dog heart electrical fibrillation] Ilipaev I.
Sov Zdravookhr Kirg 6:10-3, Nov-Dec 70 (Rus)

[Functional state of hemocoagulation in healthy persons from Osha during the hot season of the year] Sergeev VP.
Sov Zdravookhr Kirg 4:31-3, Jul-Aug 70 (Rus)

[Mechanism for the preservation of the plague agent in the interepizootic period in the central Asiatic high mountain locale] Vorotnikov IA.
Sov Zdravookhr Kirg 3:33-4, May-Jun 70 (Rus)

[Karyological analysis of the horse midge in relation to its seasonal variability] Grinchuk TM.
Tsitologiia 11:320-7, 1969 (Rus)

[Seasonal changes in the thermostability of muscle and muscle models in field mice] Skholl' ED.
Tsitologiia 12:1020-7, Aug 70 (Rus)

[Seasonal changes in the resistance of isolated cells of hibernating mammals to the action of moderately low temperatures and other stimuli] Vol'fenzon LG.
Tsitologiia 12:1412-22, 1970 (Rus)

[Seasonal changes in the activity of enzymes, desaminizing glutamine in the brain of Spermophilus] Sergeeva SA. Ukr Biokhim Zh 41:163-6, 1969 (Rus)

[Effect of the time of the year on the tonsillectomy] Urazbaeva AT, et al.
Vestn Otorinolaringol 33:84-7, Jan-Feb 71 (Rus)

[A new method of determining and analyzing seasonality of acute infectious diseases] Bratovanov D.
Zh Mikrobiol Epidemiol Immunobiol 47:82-7, Sep 70 (Rus)

[Changes in the content of some humoral factors of natural immunity in relation to the season of year] Ebert LIa, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:102-4, Apr 71 (Rus)

[Causes of seasonality in measles] Severov AM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:17-22, Nov 70 (Rus)

[Seasonal rhythm of the pituitary-adrenal system] Golikov PP.
Zh Obshch Biol 31:106-10, Jan-Feb 70 (Rus)

[Seasonal changes in nitrogen metabolism in chick embryogenesis] Koval'skiĭ VV, et al.
Zh Obshch Biol 32:87-94, Jan-Feb 71 (Rus)

[Genetic study of live newborn infants using a computer. II. Seasonal variations and anthropological characteristics] Cruz-Coke R, et al.
Rev Med Chil 98:325-30, May 70 (Spa)

[Seasonal changes in secretion of adrenal cortex hormones in children of early school age under normal school routine] Skvarko SI.
Pediatr Akush Ginekol 5:18-9, Sep-Oct 69 (Ukr)

[Basic anthropometric caracteristics in relation to seasonal changes of food composition and locomotor activity in school children] Kajaba I, et al.
Cesk Pediatr 26:21-3, Jan 71 (Slo)

[Seasonal rhythm of testis in the bat (Myotis oxygnatus)] Koceva V.
God Zb Med Fak Skopje 16:361-71, 1970 (Cro)

SEAT BELTS (J)

The child's place in the car. Alsever WD.
Am Fam Physician 3:167-70, Feb 71

Traumatic retinal angiopathy resulting from chest compression by safety belt. Hoare GW.
Br J Ophthalmol 54:687-9, Oct 70

Auto safety seats for children. Rowley WF Jr, et al.
J Pediatr 78:1078, Jun 71

Meralgia paresthetica after seat-belt trauma. Beresford HR. J Trauma 11:629-30, Jul 71

The nature of seat belt injuries. Williams JS, et al.
J Trauma 11:207-18, Mar 71

Automobile head restraint injury. Fetterman LE, et al.
JAMA 214:1328, 16 Nov 70

Reraining your youngsters. Hames LN.
JAMA 215:1317-8, 22 Feb 71

Seat belts in Victoria. Lancet 2:257, 31 Jul 71

Seat belts for Victoria. Buntine JA.
Med J Aust 1:1354, 19 Jun 71

Compulsory seat belts: a right to decree? Henderson M.
Med J Aust 2:1091-3, 5 Dec 70

Compulsory seat belts: a right to decree? Pacy H.
Med J Aust 1:407, 13 Feb 71

Safety belts in motor vehicles: their compulsory wearing. White AD. Med J Aust 2:1044, 28 Nov 70

Compulsory wearing of safety belts.
Med J Aust 2:505-6, 12 Sep 70

Seat belt injuries: a review and report of four cases. Seitter G 3d, et al. Milit Med 135:215-7, Mar 70

Lap-belt restraints in pregnancy. Ericsson CD.
N Engl J Med 284:1271, 3 Jun 71

Obstructive intramural hematoma of jejunum: an unusual manifestation of a seat belt injury. Johnson LF, et al. Nebr State Med J 56:198-201, May 71

Automobile safety for children, seat belt division. Rowley WF Jr, et al. Pediatrics 47:956, May 71

Safety-belt syndrome. Michelinakis E.
Practitioner 207:77-80, Jul 71

ADVERSE EFFECTS

Seatbelt injuries of the spine and abdomen. Dehner JR.
Am J Roentgenol Radium Ther Nucl Med 111:833-43, Apr 71

The roentgenographic appearance of transverse or chance fractures of the spine: the seat belt fracture. Rogers LF.
Am J Roentgenol Radium Ther Nucl Med 111:844-9, Apr 71

And bring your seats to an upright position. Gimbel NS.
J Trauma 11:272, Mar 71

Transection of the common bile duct and pelvi-ureteric junction due to seat belt. Spitz L, et al.
J Trauma 11:266-9, Mar 71

Seat belt injury and regional enteritis. Robinson MG.
JAMA 216:1648, 7 Jun 71

Seat-belt injury resulting in regional enteritis and intestinal obstruction. Taylor FW.
JAMA 215:1154-5, 15 Feb 71

Safety of lap-belt restraint for pregnant victims of automobile collisions. Crosby WM, et al.
N Engl J Med 284:632-6, 25 Mar 71

Flexion fracture of the pelvis due to a lap-type seat belt. Greenbaum E, et al. Radiology 100:531-2, Sep 71

[Decapitation caused by bad safety belts] Bierwag K.
Monatsschr Unfallheilkd 73:421-4, Sep 70 (Ger)

[Safety belts] Solheim K.
Tidsskr Nor Laegeforen 91:1486, 10 Jul 71 (Nor)

SEAWEED (B5)

see also specific
CARRAGEENAN (D11)

Laminaria tent for gradual and safe cervical dilatation. Manabe Y. Am J Obstet Gynecol 110:743-5, 1 Jul 71

[Marine algal communities of Miyako-jima Island, Ryukyu] Taniguchi M.
Med Biol (Tokyo) 81:279-81, 10 Dec 70 (Jap)

[Marine algal communities of Ishigaki-jima Island, Ryukyu] Taniguchi M.
Med Biol (Tokyo) 81:253-5, 10 Dec 70 (Jap)

[Marine algal communities in Okinawa] Taniguchi M.
Med Biol (Tokyo) 82:13-7, 10 Jan 71 (Jap)

[Marine algal communities in Taiwan. 1] Taniguchi M.
Med Biol (Tokyo) 82:43-5, 10 Jan 71 (Jap)

ANALYSIS

Non-protein amino acids in Australian seaweeds. Madgwick JC, et al.
Arch Biochem Biophys 141:766-7, Dec 70

Analysis of trace elements in seaweed. Lunde G.
J Sci Food Agric 21:416-8, Aug 70

SEBACEOUS CYST (C2)

COMPLICATIONS

Pilar tumour of the scalp developing in hereditary sebaceous cysts. Stranc MF, et al.
Br J Plast Surg 24:82-5, Jan 71

[Combinations of sebocystomatosis Günther with other diseases] Engel S, et al.
Dermatol Monatsschr 155:687-99, 1969 (Ger)

[Intussusception caused by steatoma of the small intestine] Akagi E, et al.
Rinsho Hoshasen 16:325-31, Apr 71 (Jap)

[Malignant changes in atheromatosis of the epicranium] Bogdanov B.
Med Pregl 23:211-3, 1970 (Ser)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PATHOLOGY

[On 3 cases of Gunther's multiple sebocystomatosis] Gulià P. Riv Patol Clin Sper 9:469-83, Oct-Dec 68 (Ita)

SURGERY

[Excision of sebaceous cysts without residual cicatrice] Franceschini P.
Presse Med 79:1541, 10 Jul 71 (Fre)

SEBACEOUS GLAND NEOPLASMS (C2)

COMPLICATIONS

Linear nevus sebaceous syndrome. Marden PM.
Am J Dis Child 121:450, May 71
Multiple sebaceous gland tumours, with multiple tumours of internal organs. A new syndrome? Bakker PM, et al. Dermatologica 142:50-7, 1971
[Multiple tumors of the sebaceous glands combined with multiple carcinomas of the internal organs; a new syndrome?] Bakker PM, et al.
Ned Tijdschr Geneeskd 114:1801-3, 24 Oct 70 (Dut)
[Schimmelpenning syndrome. Sebaceous nevus combined with eye abnormalities, seizures and mental retardation] Denk R.
Med Welt 16:666-8, 17 Apr 71 (Ger)

DIAGNOSIS

[The activity of sebaceous glands in sebaceous nevi during childhood] Steigleder GK, et al.
Arch Klin Exp Dermatol 239:323-8, 1971 (Ger)

ETIOLOGY

[Malignant changes in atheromatosis of the epicranium] Bogdanov B.
Med Pregl 23:211-3, 1970 (Ser)

FAMILIAL & GENETIC

Tuberose sclerosis without adenoma sebaceum. Bundey S, et al. J Ment Defic Res 14:243-9, Sep 70
[Essential testicle hypotrophy, confluent sebaceous adenomatosis of the face, caryotype 46,XY-46,XYpi-47,XYpiYpi] Vague J, et al.
Ann Endocrinol (Paris) 31:1183-92, Nov-Dec 70 (Fre)

PATHOLOGY

Organoid nevus with eccrine sweat gland predominance. Cortes AC.
Arch Dermatol Forsch 240:119-22, 1971
Intra-oral sebaceous gland adenoma. Epker BN, et al.
Cancer 27:987-1000, Apr 71
[Sebaceous cell carcinoma of the parotid gland] Kleinsasser O, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:59-71, 1970 (Ger)
[Congenital nevus sebaceous in the trigeminal nerve region with brain abnormalities and giant cell tumors of the jaws] Bitter K.
Dtsch Zahn Mund Kieferheilkd 56:17-24, Jan 71 (Ger)
[Recurrent clear cell hidradenoma (malignant sweat gland tumor) and sebaceous carcinoma (epithelioma) of the skin and the multi-potential reserve cell theory] Suprun H, et al.
Harefuah 78:391-4, 15 Apr 70 (Heb)
[Metastasizing sebaceous adenocarcinoma. Clinical and histopathological findings] Santini R, et al.
G Ital Dermatol 44:279-84, Jun 69 (Ita)

RADIOGRAPHY

[Angiographic and scintigraphic findings on the kidney in Pringle's syndrome (adenoma sebaceum)] Deininger HK, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:782-9, Jun 71 (Ger)

VETERINARY

A case of sebaceous gland adenoma in dog. Deb SK, et al. Indian Vet J 47:1045-6, Dec 70
Pulmonary spirocercosis and sebaceous gland adenocarcinoma in dog. Paikne DL, et al.
Indian Vet J 48:22-4, Jan 71

SEBACEOUS GLANDS (A1)

Gonococcal Tysonitis without urethritis after prophylactic post-coital urination. Burgess JA.
Br J Vener Dis 47:40-1, Feb 71
Lingual sebaceous glands and a possible thyroglossal duct. Knapp MJ. Oral Surg 31:70-1 passim, Jan 71
[Skin pH of the sebaceous regions and its role in the development of skin manifestations] Perisic S, et al.
G Ital Dermatol 46:146-8, Mar 71 (Ita)

ABNORMALITIES

[Histological study of the changes in the skin of atrichous AG Wistar rats] Dadoune JP, et al.
C R Soc Biol (Paris) 164:979-84, 1970 (Fre)
[Fordyce's condition of the buccal mucosa and perimamillary region] Hauck H.
Hautarzt 22:263-4, Jun 71 (Ger)
[An unusual abnormality of the uterine cervix: on a case of inclusion of sebaceous glands in the exo-cervix] Balli PP.
Arch De Vecchi Anat Patol 54:757-62, Apr 69 (Ita)

ANALYSIS

Histochemical data on the sebaceous glands in the lips of the marmoset (Callithrix jacchus). Miraglia T, et al.
Acta Anat (Basel) 78:295-305, 1971
3H-vitamin A and rat skin. Autoradiographic observations. Sherman BS.
J Vitaminol (Kyoto) 16:259-62, 10 Dec 70
[Comparative histochemical studies on the secretion of the orbital glands of some mammals and the human oil gland] Halbhuber U, et al.
Acta Histochem (Jena) 37:268-301, 1970 (Ger)
[Gas-chromatography studies on sebaceous gland lipids. II. Composition of sebaceous gland lipids in various age groups] Peter G, et al.
Arch Dermatol Forsch 241:22-32, 1971 (Ger)
[Gas chromatographic examinations of sebaceous gland lipids. I. Total lipid determination] Peter G, et al.
Arch Klin Exp Dermatol 239:12-21, 1970 (Ger)

ANATOMY & HISTOLOGY

Histology of the subauricular and rump glands of the pronghorn (Antilocapra americana Ord). Moy RF.
Am J Anat 129:65-87, Sep 70
Free sebaceous glands in the gingiva of some rats. Rulli MA, et al. Arch Oral Biol 16:831-2, Jul 71

CYTOLOGY

A comparative study of sebaceous gland ultrastructure in subhuman primates. II. Macaques: crystalline inclusions in the sebaceous cells of Macaca mulatta, M. nemestrina, M. speciosa, M. fascicularsis. Bell M.
J Cell Biol 49:932-6, Jun 71

DRUG EFFECTS

The effects of thyrotrophic hormone and of thyroxine on the response of the sebaceous glands of the rat to testosterone. Ebling FJ, et al.
J Endocrinol 48:83-90, Sep 70
The response of the sebaceous glands of hypophysectomized-castrated male rats to adrenocorticotrophic hormone and to testosterone. Ebling FJ, et al. J Endocrinol 48:73-81, Sep 70
The effect of hypophysectomy on the response of the sebaceous gland to testosterone propionate. Thody AJ, et al. J Endocrinol 49:329-33, Feb 71

EMBRYOLOGY

A comparative study of sebaceous gland ultrastructure in subhuman primates. 3. Macaques: ultrastructure of sebaceous glands during fetal development of rhesus monkeys (Macaca mulatta). Bell M.
Anat Rec 170:331-41, Jul 71
[Histogenetic study on the sweat glands and other accessory organs of head skin in Japanese fetuses] Ishii R.
J Kumamoto Med Soc 44:926-36, 25 Oct 70 (Jap)

ENZYMOLOGY

Lack of N-hydroxy-2-acetylaminofluorene sulfotransferase activity in the mammary gland and Zymbal's gland of the rat. Irving CC, et al.
Cancer Res 31:387-91, Apr 71
A rapid screen for carcinogenic properties of tobacco condensate. Healey P, et al. J Pathol 101:P18-9, Aug 70

GROWTH & DEVELOPMENT

Preputial gland growth and protein synthesis in the androgen-insensitive male pseudohermaphroditic rat. Sherins RJ, et al. Endocrinology 89:835-41, Sep 71
[New development of sebaceous glands over histiocytomas] Undeutsch W, et al.
Hautarzt 21:454-8, Oct 70 (Ger)

METABOLISM

Androgenic regulation of nucleic acid and protein synthesis in the hamster flank organ and other tissues. Giegel JL, et al.
Endocrinology 89:904-9, Sep 71
Metabolism of labeled testosterone by minces and nuclei of preputial glands of male rats. Richardson GS, et al. Endocrinology 88:890-4, Apr 71
Differential rates of conversion of testosterone to dihydrotestosterone in acne and in normal human skin--a possible pathogenic factor in acne. Sansone G, et al. J Invest Dermatol 56:366-72, May 71

MICROBIOLOGY

[New data on the routes of alimination of rabies virus in infected animals] Atanasiu P, et al.
C R Acad Sci [D] (Paris) 271:2434-6, 21 Dec 70 (Fre)

PATHOLOGY

Sebaceous gland papules in anhidrotic ectodermal dysplasia. Katz SI, et al.
Arch Dermatol 103:507-9, May 71
Pilosebaceous dysplasia in the oral-facial-digital syndrome. Solomon LM, et al.
Arch Dermatol 102:598-602, Dec 70

PHYSIOLOGY

A scent marking response associated with the ventral sebaceous gland of the Mongolian gerbil (Meriones unguiculatus). Thiessen DD, et al.
Anim Behav 18:26-30, Feb 70
Effect of ventral gland excision on scent marking in the male Mongolian gerbil. Blum SL, et al.
J Comp Physiol Psychol 73:461-4, Dec 70
Atrophy of the ventral gland of the male deermouse after castration. Blum SL, et al.
J Endocrinol 49:695-6, Apr 71
Sebaceous gland response in man to prolonged total caloric deprivation. Pochi PE, et al.
J Invest Dermatol 55:303-9, Nov 70
[Physiology and physiopathology of the pilo-sebaceous receptor] Bercovici JP, et al.
Presse Med 78:2229-32, 25 Nov 70 (33 ref.) (Fre)

PHYSIOPATHOLOGY

[Physiology and physiopathology of the pilo-sebaceous receptor] Bercovici JP, et al.
Presse Med 78:2229-32, 25 Nov 70 (33 ref.) (Fre)

SECRETION

The pituitary and sebaceous gland activity. Thody AJ, et al. J Endocrinol 48:139-40, Sep 70
[Experimental studies on serum secretion in free autologous epidermal-dermal transplants in man] Gloor M, et al. Hautarzt 21:219-21, May 70 (Ger)
[Fatty scalp] Herrmann F.
Z Haut Geschlechtskr 46:71-4, 1 Feb 71 (Ger)

SEBORRHEA (C12)

[My opinion on eczema, with special reference to bacterial and seborrhoic eczema] Yamada M.
Acta Dermatol (Kyoto) 65:165-83, Nov 70 (Jap)

COMPLICATIONS

The relationship between seborrhoea and acne vulgaris. Burton JL, et al.
Br J Dermatol 84:600-2, Jun 71
[Seborrheic pemphigoid. A new nosologic entity?] Schnyder MU.
Bull Soc Fr Dermatol Syphiligr 76:320, 1969 (Fre)
[Seborrhoic constitution and epicutaneous sensitization] Reichenberger M, et al.
Berufsdermatosen 19:117-26, Jun 71 (Ger)
[Erythroderma macropapulosa seborrhoica senilis with mucinous degeneration of the skin] Kubicz J.
Przegl Dermatol 58:43-7, Jan-Feb 71 (Pol)

DRUG THERAPY

Sebum secretion. Harville DD, et al.
Arch Dermatol 102:694, Dec 70
[Preliminary note on treatment of seborrhea and its complications with propranolol (62 cases)] Simonin R, et al. Mars Med 106:699-700, 1969 (Fre)
[Trial treatment of seborrhea and of common acne in females with the ovulation inhibitors] Aron-Brunetiere R, et al.
Therapeutique 47:379-82, Apr 71 (Fre)
[Experience with the new scalp disease drug dexa-loscon and loscon-medical shampoo in cases of seborrhea, psoriasis, and alopecia] Füller H.
Z Allgemeinmed 46:1401-4, 10 Oct 70 (Ger)
[The influence of hormones, especially of antiandrogens on seborrhea and hair growth] Winkler K. Z Haut Geschlechtskr 46:75-8, 1 Feb 71 (Ger)
[Seborrhoeic diseases and hormone therapy] Noara N.
Clin Endocrinol (Tokyo) 19:116-22, Feb 71 (46 ref.) (Jap)
[Treatment of seborrheic dermatitis of the scalp. Therapeutic evaluation of a 1 per cent solution of selenium sulfate] Paschoal LH.
Hospital (Rio de J) 78:85-8, Jul 70 (Por)

ETIOLOGY

Seborrhea capitis in infants: a clinical experience in allergy therapy. Eppig JJ. Ann Allergy 29:323-4, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

The relationship between seborrhoea and acne vulgaris. Burton JL, et al.
Br J Dermatol 85:197-8, Aug 71

RADIOGRAPHY

X-ray of the month. Phantom lung tumor. Rilance AB.
Conn Med 34:914, Dec 70

THERAPY

Seborrhea capitis in infants: a clinical experience in allergy therapy. Eppig JJ. Ann Allergy 29:323-4, Jun 71

VETERINARY

Canine seborrheic dermatitis. Breen PT.
Vet Med Small Anim Clin 66:655-6, Jul 71

SEBUM (A12)

The physical properties of sebum in acne vulgaris. Burton JL. Clin Sci 39:757-67, Dec 70
Sebum-excretion rate and skin-surface lipid composition in Parkinson's disease before and during therapy with levodopa. Cotterill JA, et al.
Lancet 1:1271-2, 19 Jun 71

ANALYSIS

A semiquantitative method for the biochemical analysis of sebum. Cotterill JA, et al.
Br J Dermatol 85:35-9, Jul 71
Variations in skin surface lipid composition with different sampling techniques. I. Cunliffe WJ, et al.
Br J Dermatol 85:40-5, Jul 71
The relationship between surface lipid composition and acne vulgaris. Cunliffe WJ.
Br J Dermatol 85:86-9, Jul 71
Variations in the levels of cholesterol and triglyceride in the skin surface fat during the menstrual cycle. MacDonald I, et al. Br J Dermatol 83:473-6, Oct 70
The influence of age, sex, hypophysectomy and various hormones on the composition of the skin surface lipids of the rat. Hormones and sebum composition in the rat. Nikkari T, et al.
Br J Dermatol 83:459-72, Oct 70
Effects of androgens and prolactin on the rate of production and composition of sebum in hypophysectomized female rats. Nikkari T, et al.
J Endocrinol 48:373-8, Nov 70
[Studies with the osmium sebum test. Technic of the osmium sebum test. Sebum spreading on the skin. Sebum test on the back and thigh in patients with and without acne. Sebum test during the cycle] Jadassohn W, et al. Hautarzt 22:347-50, Aug 71 (Ger)
[The uropygial gland secretion from the tufted duck (Arythya fuligula)] Jacob J, et al.
Z Naturforsch [B] 25:1438-47, Dec 70 (Ger)
[The uropygial gland secretion of the rook (Corvus frugilegus)] Jacob J, et al.
Z Naturforsch [B] 25:1435-7, Dec 70 (Ger)
[Uropygial gland fat of the fulmar] Jacob J, et al.
Z Naturforsch [B] 26:33-40, Jan 71 (Ger)
[Chromatographic studies of sebum in polymorphous juvenile acne] Bonelli M, et al.
G Ital Dermatol 46:120-5, Mar 71 (Ita)

DRUG EFFECTS

The effect of propranolol on acne vulgaris and the rate of sebum excretion. Cunliffe WJ, et al.
Br J Dermatol 83:550-1, Nov 70
Sebotrophic activity of beta-lipotrophin. Thody AJ, et al. J Endocrinol 50:533-4, Jul 71

METABOLISM

Sebaceous gland response in man to prolonged total caloric deprivation. Pochi PE, et al.
J Invest Dermatol 55:303-9, Nov 70

SECRETION

A new approach to the reduction of sebum secretion. Harville DD, et al. Arch Dermatol 103:492-3, May 71
The effect of facial nerve paresis on sebum excretion. Burton JL, et al. Br J Dermatol 84:135-8, Feb 71
The relationship between seborrhoea and acne vulgaris. Burton JL, et al.
Br J Dermatol 85:197-8, Aug 71
Sebum excretion rate and biochemistry in patients with acne vulgaris treated by oral fenfluramine. Cotterill JA, et al. Br J Dermatol 85:127-9, Aug 71
The effect of trimethoprim-sulphamethoxazole on sebum excretion rate and biochemistry in acne vulgaris. Cotterill JA, et al.
Br J Dermatol 85:130-3, Aug 71
Severity of acne and sebum excretion rate. Cotterill JA, et al. Br J Dermatol 85:93-4, Jul 71
The effect of local temperature variations on the sebum excretion rate. Cunliffe WJ, et al.
Br J Dermatol 83:650-4, Dec 70
Topical tetraynoic acid. Haroon TS, et al.
Br J Dermatol 83:418-9, Sep 70
The effect of facial nerve paresis on sebum excretion. Summerly R, et al. Br J Dermatol 84:602-4, Jun 71
Effects of androgens and prolactin on the rate of production and composition of sebum in hypophysectomized female rats. Nikkari T, et al.
J Endocrinol 48:373-8, Nov 70
Effect of adrenalectomy and adrenocorticotrophic hormone on sebum secretion in the rat. Thody AJ, et al. J Endocrinol 49:325-8, Feb 71
Increased sebum secretion in adult female rats after neonatal treatment with testosterone propionate. Thody AJ, et al. J Endocrinol 49:677-81, Apr 71
Sebum-excretion rate and skin-surface lipid composition in Parkinson's disease before and during therapy with levodopa. Cotterill JA, et al.
Lancet 1:1271-2, 19 Jun 71
[A method for the quantitative determination of human sebum secretion] Schaefer H, et al.
Arch Klin Exp Dermatol 238:429-35, 1970 (Ger)
[Experimental studies on serum secretion in free autologous epidermal-dermal transplants in man] Gloor M, et al. Hautarzt 21:219-21, May 70 (Ger)

SECOBARBITAL (D6)

ADMINISTRATION & DOSAGE

Methodologic considerations of the evaluation of hypnotics in man. A biologic assay of pentobarbital and secobarbital. Forrest WH Jr, et al.
J Clin Pharmacol 11:357-66, Sep-Oct 71
Thioridazine and secobarbital as premedicating agents. Nazif M. J Dent Child 38:206-10, May-Jun 71

BLOOD

The coulometric titration of sodium seconal and sodium sandoptal and its application to the analysis of standard blood serum samples. Monforte JR, et al.
Anal Chim Acta 52:433-40, Dec 70

PHARMACODYNAMICS

The hypnotic effects of codeine and secobarbital and their interaction in man. Bellville JW, et al.
Clin Pharmacol Ther 12:607-12, Jul-Aug 71
[Changes in the amplitude spectrum of the encephalogram induced by the hypnotic Immenoctal as demonstrated by the ASA mini-computer] Drohocki Z.
C R Acad Sci [D] (Paris) 271:784-7, 31 Aug 70 (Fre)

THERAPEUTIC USE

A comparative evaluation of chlorprothixene and secobarbital for pediatric premedication. Root B, et al. J Clin Pharmacol 11:56-68, Jan-Feb 71
[Hypnotic action of mecloqualone. Comparison with placebo effects and secobarbital] Soulairac A.
Presse Med 79:817-8, 10 Apr 71 (Fre)

SECONAL see SECOBARBITAL (D6)

SECOSTEROIDS (D2)

25,26-dihydroxycholecalciferol, a metabolite of vitamin D3 with intestinal calcium transport activity. DeLuca HF, et al. Biochemistry 9:4776-80, 24 Nov 70

CHEMICAL SYNTHESIS

Structure of an estradiol-glutathione conjugate formed in the presence of peroxidase. Elce JS.
Steroids 17:675-87, Jun 71

SECRETIN (D8)

[Gastrointestinal hormones. I. Gastrin and secretin] Vagne M. Pathol Biol (Paris) 18:887-904, Oct 70 (Fre)

ADMINISTRATION & DOSAGE

Dose of secretin required for maximal response. Grossman MI. Gastroenterology 60:157-8, Jan 71
[Influence of secretin and pancreozymin on bile flow and bile composition in patients with and without cholestasis] Bode C, et al.
Verh Dtsch Ges Inn Med 75:640-2, 1969 (Ger)

ANALYSIS

Polyacrylamide gel electrophoresis of polypeptides from the intestinal wall, with countermigration of dye. Ahlroth A, et al. Anal Biochem 37:125-8, Sep 70
Molecular architecture of peptide hormones optical rotatory dispersion of cholecystokinin-pancreozymin, bradykinin and 6-glycine bradykinin. Bodanszky A, et al. Experientia 26:948-50, 28 Sep 70
Ultrastructural and immunofluorescent investigations on the secretin cell in the dog intestinal mucosa. Bussolati G, et al. Histochemie 26:218-27, 1971
The bioassay of secretin in the rat. Tachibana S.
Jap J Pharmacol 21:325-36, Jun 71

CHEMICAL SYNTHESIS

[The synthesis of secretin. II. Preparation of the sequence 12--27] Wünsch E, et al.
Chem Ber 104:2445-53, 1971 (Ger)
[The synthesis of secretin. I. Preparation of the sequence 18--27] Wünsch E, et al.
Chem Ber 104:2430-44, 1971 (Ger)
[The synthesis of secretin. 3. Preparation of the sequence 7--11] Wünsch E, et al.
Chem Ber 104:2454-7, 1971 (Ger)

DIAGNOSTIC USE

Pancreozymin-secretin test in newborns. Zoppi G, et al.
Acta Paediatr Scand 60:370, May 71
Pancreatic function tests. Gallagher ND.
Aust NZ J Med 1:201-2, May 71
Pancreatic function tests: comparison of standard and augmented secretin. Hansky J.
Aust NZ J Med 1:109-13, May 71
The pancreatic response to instillation of acid into the duodenum and to exogenous secretin in man. Rune SJ, et al. Scand J Gastroenterol 6:291-6, 1971
Further studies of the response to secretin and pancreozymin in man. Wormsley KG.
Scand J Gastroenterol 6:343-50, 1971
Effect of exogenous secretin on serum insulin levels in patients with pancreatic disease. Johnson RB, et al.
South Med J 64:724-6, Jun 71
[Comparison of the value of parenchymatography, exocrine pancreatic capacity, and insulinemia and glucagonemia obtained by intraceliac injection of purified secretin] Plessier J.
Acta Gastroenterol Belg 34:143-9, Jan 71 (Fre)
[Comparative study in man of the activity of various currently marketed secretins] Ribet A, et al.
Acta Gastroenterol Belg 34:9-16, Jan 71 (Fre)
[Hydrobicarbonated pancreatic secretion after secretin administration by rapid injection and continuous perfusion in man] Vagne M, et al.
Acta Gastroenterol Belg 34:17-25, Jan 71 (Fre)
[The secretin-pancreozymin test: search for a significant parameter] Van der Hoeden R, et al.
Acta Gastroenterol Belg 34:34-45, Jan 71 (Fre)
[Functional exploration of the exocrine pancreas using secretin perfusions] Ribet A, et al.
Arch Fr Mal App Dig 58:531-9, Sep 69 (Fre)
[Some aspects of pancreas exocrine secretion (our experience with the maximal secretin test] Bordalo O.
Cah Med 11:1047-53, 30 Oct 70 (Fre)
[The secretin-pancreozymin test in the diagnosis of pancreatic insufficiency] Rick W.
Internist (Berlin) 11:110-7, Mar 70 (Ger)
[Behavior of serum insulin (IMI) during the secretin-pancreozymin test] Clodi PH, et al.
Verh Dtsch Ges Inn Med 75:642-5, 1969 (Ger)
[Some aspects of pancreatic exocrine secretion. Experience of the author with the "augmented" secretin test] Bordalo O.
Minerva Med 61:4823-9, 27 Oct 70 (Ita)
[Comparative evaluation of various function tests in diseases of the exocrine pancreas] Nociti V, et al.
Osp Ital Chir 20:493-522, Jun 69 (Ita)
[Significance of pancreatic function tests in the evaluation of digestive function. 3. Effect of histalog and gastrin in the pancreozymin secretin test] Ito Y, et al. Iryo 24:797-803, Oct 70 (Jap)
[Pancreozymin-secretin test--purpose, method, evaluation and problems] Naito S, et al.
Jap J Clin Med 28:2634-8, Nov 70 (Jap)
[Evaluation of the use of drugs in celiac arteriography] Kawanami H, et al.
Rinsho Hoshasen 16:293-302, Apr 71 (Jap)

PHARMACODYNAMICS

The electrolyte and protein contents and outputs in duodenal juice after pancreozymin and secretin stimulation in normal children and in patients with cystic fibrosis. Zoppi G, et al.
Acta Paediatr Scand 59:692-6, Nov 70
Effects of secretin on fat mobilizing lipolysis and cyclic AMP levels in rat adipose tissue. Butcher RW, et al.
Acta Physiol Scand 79:559-63, Aug 70
Effect of gastric vagal denervation on inhibition of acid secretion by secretin. Brooks AM, et al.
Am J Dig Dis 16:193-202, Mar 71
Effect of atropine on pancreatic responses to endogenous and exogenous secretin. Konturek SJ, et al. Am J Dig Dis 16:385-94, May 71
Pancreatic dose response to synthetic secretin and intraduodenal acid in dogs. Konturek SJ, et al.
Am J Dig Dis 15:987-91, Nov 70
Comparison of exogenous secretin and duodenal acidification of pepsin secretion in dogs. Johnson LR, et al. Am J Physiol 221:784-7, Sep 71
Endogenous cholecystokinin potentiates exogenous

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

secretin on pancreas of dog. Meyer JH, et al. Am J Physiol 221:742-7, Sep 71
Effects of secretin on serum immunoreactive insulin and insulin-like activity. Diaco JF, et al. Ann Surg 173:578-82, Apr 71
Effect of gastrointestinal hormones on salivation in the dog. Clendinnen BG, et al. Arch Surg 101:596-8, Nov 70
The effects of secretin, pancreozymin and acetylcholine on the concentration of adenosine 3':5'-cyclic monophosphate in cat pancreas. Johnson M, et al. Biochem J 120:8P-9P, Dec 70
The effect of secretion on the myoelectric activity of the duodenum and bowel. Hermon-Taylor J, et al. Br J Surg 57:858, Nov 70
The spontaneous motility and the action of cholecystokin pancreozymin, secretin, and agastrin on the canine extrahepatic biliary tract in vitro. Toouli J, et al. Br J Surg 57:858, Nov 70
The role of the exocrine pancreas in the stimulation of insulin secretion by intestinal hormones. II. Insulin responses to secretin and pancreozymin in experimentally-induced pancreatic exocrine insufficiency. Goberna R, et al. Diabetologia 7:68-72, Apr 71
The role of the exocrine pancreas in the stimulation of insulin secretion by intestinal hormones. 3. Insulin responses to secretin and pancreozymin, and to oral and intravenous glucose, in patients suffering from chronic insufficiency of the exocrine pancreas. Raptis S, et al. Diabetologia 7:160-7, Jun 71
Osmolality of duodenal aspirate following secretin infusion in man. Pascal JP, et al. Digestion 3:222-30, 1970
Dynamics of insulin secretion in vitro: effects of repeated induction of insulin release by single and multiple stimulants. Telib M, et al. Endokrinologie 56:189-95, 1970
The effect of theophylline on the actions of pancreozymin and secretin. Pederson RA, et al. Experientia 26:961-2, 26 Sep 70
Comparison of effects of gastrin, cholecystokinin-pancreozymin, secretin, and glucagon on human stomach muscle in vitro. Cameron AJ, et al. Gastroenterology 59:539-45, Oct 70
Effect of secretin on serum gastrin as measured by immunoassay. Hansky J, et al. Gastroenterology 61:62-8, Jul 71
The choleretic effects of glucagon and secretin in the dog. Jones RS, et al. Gastroenterology 60:64-8, Jan 71
Inhibitory effects of a purified enterogasterone, secretin, and cholecystokinin on histamine-stimulated gastric acid secretion. Lucien HW, et al. Gastroenterology 59:707-11, Nov 70
Effect of vagotomy on pancreatic secretion stimulated by endogenous and exogenous secretin. Moreland HJ, et al. Gastroenterology 60:425-31, Mar 71
The effect of secretin on gastric emptying in man. Vagne M, et al. Gastroenterology 60:421-4, Mar 71
Effect of secretin on gastric acid secretion in response to cholinergic stimuli. Way LW. Gastroenterology 59:510-7, Oct 70
The relationship between flow and electrolyte secretion in the canine pancreas. Fawcett AN. Gut 11:700-8, Aug 70
Calcitonin-releasing substances: structure-activity relationship. Care AD, et al. J Endocrinol 49:8-9, Mar 71
Influence of secretin-cholecystokinin and secretin-pentagastrin on pancreatic secretion of glycosidases. Desbaillets L, et al. Proc Soc Exp Biol Med 136:597-600, Feb 71
Effect of secretin on bile formation in sheep. Heath T. Q J Exp Physiol 55:301-12, Oct 70
Effect of secretin upon movements of water and electrolytes across the small intestine in man. Modigliani R, et al. Rev Eur Etud Clin Biol 16:361-4, Apr 71
Effects of gastrointestinal hormones on serum immunoreactive insulin and insulin-like activity in normal and pancreatectomized dogs. Diaco JF, et al. Rev Surg 27:451, Nov-Dec 70
Dose-response relationship of the efect of secretin on acid and pepsin secretion in man. Berstad A, et al. Scand J Gastroenterol 5:647-54, 1970
Hepatic uptake of the organic anion indocyanine green during bile salt and secretin choleresis. Bridges CL, et al. Surg Forum 21:406-8, 1970
Hormonal regulation of bile secretion: a study in the isolated, perfused liver. Pissidis AG, et al. Surgery 68:1075-84, Dec 69
[Effects of nutritional and hormonal factors on the phospholipase A2 activity of the pancreatic juice of conscious rats] Belleville J, et al. Arch Sci Physiol (Paris) 25:59-83, 1971 (Fre)
[Effect in man of acidification of the duodenum on histamine and gastrin-induced gastric secretion (pentagastrin)] Hancy A, et al. Biol Gastroenterol (Paris) 1:21-34, 1969 (Fre)
[Stimulation by secretin and pentagastrin of pancreatic and biliary secretions collected by fistula in humans] Vagne M, et al. C R Soc Biol (Paris) 164:1763-7, 1970 (Fre)
[Effects of secretin, pancreozymin and posterior pituitary extracts on the output and phospholipase "A" activity of the pancreatic juice in dogs] Belleville J, et al. J Physiol (Paris) 62:Suppl 2:243, 1970 (Fre)
[Immediate determination of the secretory capacity of the pancreas after hormonal stimulation] Herfort K, et al. Dtsch Z Verdau Stoffwechselkr 29:203-12, 1969 (Ger)
[Influence of intestinal hormones on the disaccharidase-activity in the human duodenal secretion] Böhmer R, et al. Klin Wochenschr 48:1226-8, 15 Oct 70 (Ger)
[Influence of secretin and pancreozymin on secretion of calcium in the human duodenal juice in normal and impaired pancreas function] Goebell H, et al. Klin Wochenschr 48:1330-9, 15 Nov 70 (Ger)
[The influence of glucagon and secretin on methylxanthine (theophylline) intracellular-stimulated stomach secretion in humans] Miederer SE, et al. Med Welt 6:209-11, 6 Feb 71 (Ger)
[Effects of gastrointestinal hormones secretin and pancreozymin in the totally pancreatectomized rat] Raptis S, et al. Verh Dtsch Ges Inn Med 75:650-3, 1969 (Ger)
[Several concomitant factors (blood-letting anemia and secretory hyperstimulation) in determining acute experimental pancreatitis. Di Filippo M, et al. Arch De Vecchi Anat Patol 55:337-53, Oct 69 (Ita)
[Study of the effect of secretin on the gastric secretion] Barbara L, et al. Arch Ital Mal Appar Dig 36:262-75, 1971 (Ita)
[Contribution to the study of hormonal regulation of pancreatic secretin in the rabbit] Murillo A, et al. Rev Esp Fisiol 27:131-8, Jun 71 (Spa)
[Effects of intestinal hormones on the splanchnic circulation] Tibblin S. Nord Med 85:121, 28 Jan 71 (Swe)
[Celiacography. Effects of simultaneous injections of adrenalin and secretin] Udén R. Nord Med 85:158, 4 Feb 71 (Swe)

PHYSIOLOGY

Duodenal mechanisms for inhibition of gastric acid secretion in the dog. Konturek SJ, et al. Am J Physiol 220:918-21, Apr 71
Intestinal hormones as inhibitors of gastric secretion. Johnson LR, et al. Gastroenterology 60:120-44, Jan 71 (142 ref.)
Effect of vagotomy on pancreatic secretion stimulated by endogenous and exogenous secretin. Moreland HJ, et al. Gastroenterology 60:425-31, Mar 71
Hormonal regulation of human lower esophageal sphincter competence: interaction of gastrin and secretin. Cohen S, et al. J Clin Invest 50:449-54, Feb 71
Uniphasic insulin responses to secretin stimulation in man. Lerner RL, et al. J Clin Invest 49:2276-80, Dec 70
[Recent data on the physiology of the exocrine pancreas] Bonfils S, et al. Pathol Biol (Paris) 19:77-101, Jan 71 (176 ref.) (Fre)

SECRETION

Effect of atropine on pancreatic responses to endogenous and exogenous secretin. Konturek SJ, et al. Am J Dig Dis 16:385-94, May 71
The pancreas anthe first hormones. Zollinger RM. Am J Med Sci 60:245-52, Oct 70
Localization of secretin release by acid in small intestine of the dog. Konturek SJ, et al. Am J Physiol 220:124-7, Jan 71
[Significance of pancreatic function test in evaluation of digestive function. 2. Relationship between pancreozymin secretin test and gastric juice test] Ito Y, et al. Iryo 24:699-703, Sep 70 (Jap)
[Stimulation of the pancratic and gastric antrum. Experimental study] Vieira OM, et al. Hospital (Rio de J) 78:1373-84, Nov-Dec 70 (Por)

SECRETORY RATE (E1, G1)

A simple clinical method for estimating thyroxine secretion rate. Hariand WA, et al. Acta Endocrinol (Kbh) 66:131-6, Jan 71
Intestinal secretion after intravenous fluid infusion in small bowel obstruction. Sung DT, et al. Am J Surg 121:91-5, Jan 71
Effect of acute changes in plasma calcium on adrenocortical secretory rates. Marotta SF, et al. Calcif Tissue Res 6:220-6, 1970
Effects of water intake on composition of thermal sweat in normal human volunteers. Cage GW, et al. J Appl Physiol 29:687-90, Nov 70
Salivary Na, K and Cl secretion rates: relationship to a fluid generation mechanism. Suddick RP, et al. Jap J Physiol 20:540-9, 15 Oct 70
Secretion rate and buffering action of whole mixed saliva in subjects with insulin-treated diabetes mellitus. Kjellman O. Odontol Revy 21:159-68, 1970
[Behavior of the islands of Langerhans of the pancreas in vitro. 3. Insulin secretory rate in relation to the survival time and the glucose concentration of the medium] Hahn HJ, et al. Acta Biol Med Ger 25:573-81, 1970 (Ger)

DRUG EFFECTS

Insulin secretory dynamics in response to slow-rise and square-wave stimuli. Curry DL. Am J Physiol 221:324-8, Jul 71
Effect of frequency of stimulation on the inhibition by noradrenaline of the acetylcholine output from parasympathetic nerve terminals. Knoll J, et al. Br J Pharmacol 42:263-72, Jun 71
Pharmacology of the Malpighian tubules of Rhodnius and Carausius: the structure-activity relationship of tryptamine analogues and the role of cyclic AMP. Maddrell SH, et al. J Exp Biol 54:779-804, Jun 71

INSTRUMENTATION

Salivary flow rate: system for continuous monitoring. Lear R, et al. J Dent Res 49:Suppl:1557, Nov-Dec 70

SEDATIVES see HYPNOTICS AND SEDATIVES

(D6)

SEDIMENTATION RATE see BLOOD

SEDIMENTATION (E1)

SEEDS (B6)

Biological evaluation of protein quality and safety of a lipoprotein concentrate from niger seed (Guizotia abyssinica Cass.). Eklund A. Acta Physiol Scand 82:229-35, Jun 71
Penetrating ocular injury by a plant seed. Bettman JW Jr, et al. Arch Ophthalmol 85:695-8, Jun 71
High molecular weight RNA synthesized in nucleoli of higher plants. Tanifuji S, et al. Biochim Biophys Acta 217:418-25, 15 Oct 70
Some properties of purified phytohemagglutinin from Lens culinaris seeds. Toyoshima S, et al. Biochim Biophys Acta 221:514-21, 22 Dec 70
The effects of seed extracts on local lesion formation by tobacco necrosis virus. Stevens WA. Experientia 26:1268-9, 15 Nov 70
Pharmacodynamic investigations into the diuretic activity of Cucumis melo seed (ether extract). Singh RC, et al. Indian J Med Res 58:505-12, Apr 70
The toxicology of Abrus precatorius linnaeus. Niyogi SK. J Forensic Sci 15:529-36, Oct 70
Seed preference and buried seed retrieval of Dipodomys deserti. Lockard RB, et al. J Mammal 52:219-21, Feb 71
Algerian and French rapeseed meals as a protein source for caged laying hens, with observations on their toxic effects. Jackson N. J Sci Food Agric 21:511-6, Oct 70
Fungal microflora of seeds of Pisum sativum L. and its control. Haware MP. Mycopathol Mycol Appl 43:343-5, 25 Mar 71
Fungi of certain stored vegetable seeds in relation to pre- and post-emergence effects. Sekhon AS, et al. Mycopathol Mycol Appl 43:211-5, 19 Feb 71
Concentrating very small specimens for paraffin sectioning; a "mini" multiple-compartment casting mold. Wyatt JE, et al. Stain Technol 46:96-7, Mar 71
Pelleting of soybean (Glycine max) seeds with activated charcoal and humus. Iswaran V, et al. Zentralbl Bakteriol [Naturwiss] 126:45-7, 1971
Anaerobic disinfection of seed against Ustilago nuda (Jens.) Rostr. and Ustilago tritici (Pers.) Rostr. According to a new method and with a new equipment. Ujević I, et al. Zentralbl Bakteriol [Naturwiss] 125:678-706, 1970
[Contamination of soluble ribonucleic acids of immature seeds of Zea mays by a phenol-carboxylic acid] Seigle-Murandi F, et al. C R Soc Biol (Paris) 164:1728-32, 1970 (Fre)
[Sterilization of the surface of grape (Vitis vinifera L.) seeds] Nagy R, et al. Zentralbl Bakteriol [Naturwiss] 124:468-71, 1970 (Ger)
[Comparing investigations on the practicability of the sprout and indophenol tests after Martin and Quemener for virus proof in potato seed] Spaar D. Zentralbl Bakteriol [Naturwiss] 125:613-9, 1970 (Ger)
[Endogenous rhythms with annual periodicity] Kazantsev EF. Biofizika 14:684-7, Jul-Aug 69 (Rus)
[Modification of chemical and radiation mutagenesis in relation to metabolism] Dubinina LG, et al. Dokl Akad Nauk SSSR 193:1167-70, 1970 (Rus)
[Chronic liver damage in dogs fed sunflower seeds] Levin GS, et al. Patol Fiziol Eksp Ter 14:41-5, Nov-Dec 70 (Rus)

ANALYSIS

Gas-liquid chromatographic determination of products from the progoitrins in crambe and rapeseed meals. Daxenbichler ME, et al. Anal Biochem 38:374-82, Dec 70
Cyanolipids of Stocksia brahuica Benth. seed oil. Mikolajczak KL, et al. Biochim Biophys Acta 210:306-14, 14 Jul 70
Sinapic acid and methyl sinapate in rapeseed lipids.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Noda M, et al.
Biochim Biophys Acta 231:131-3, 2 Feb 71
Fatty acids of Monnina emarginata seed oil. Phillips BE, et al. Biochim Biophys Acta 210:353-9, 8 Sep 70
Glycerides of Monnina emarginata seed oil. Phillips BE, et al. Biochim Biophys Acta 218:71-82, 6 Oct 70
Evidence, isolation, purification, and some properties of a trypsin inhibitor in Lathyrus Sativus. Roy DN, et al. J Agric Food Chem 19:257-9, Mar-Apr 71
Lipid constituents of some common weed seeds. Stoller EW, et al. J Agric Food Chem 18:361-4, May-Jun 70
Studies on seeds. IV. Lipid composition of bean cotyledon vesicles. Allen CF, et al.
J Cell Biol 48:542-6, Mar 71
The detection of abrin. Clarke EG, et al.
J Forensic Sci Soc 11:109-12, Apr 71
Chemical tests for seeds of Abrus precatorius and Ormosia. Genest K.
J Forensic Sci Soc 11:95-108, Apr 71
The relative mitogenicities of some French bean (Phaseolus vulgaris L.) and runner bean (Phaseolus coccineus L.) seed extracts in leukocyte culture. Toms A, et al. Med Lab Technol 28:300-7, Jul 71
Medical and ecological considerations of L-dopa and 5-HTP in seeds. Bell EA, et al.
Nature (Lond) 229:136-7, 8 Jan 71
Separation of the constituents of Cerbera thevetia (yellow oleander) by thin layer chromatography. Tewari SN, et al. Pharmazie 26:50, Jan 71
Investigation of Erythrina SPP. IV. Study of the chemical constituents of seeds of Erythrina variegata var. orientalis. Singh H, et al.
Planta Med 19:71-4, Oct 70
Studies on the active principle from Abrus precatorius L. leguminosae seed kernels. Lin JY, et al.
Toxicon 9:97-101, Apr 71
[Vitamin PP in seeds of cereal and leguminous plants] Adrian J, et al. Ann Nutr Aliment 24:155-66, 1970 (Fre)
[Variability of the "Aescin" contents in the seeds of Aesculus species] Friedrich H, et al.
Arch Pharm (Weinheim) 304:347-50, May 71 (Ger)
[The electrophoresis of seed proteins from the neutron induce Pisum-mutants in polyacrylamid-gel] Chen R.
Z Naturforsch [B] 25:1461-4, Dec 70 (Ger)
[Sialic acids in plant tissues. I. Content and nature of the sialic acids in seeds of various plant species] Schettino O, et al.
Boll Soc Ital Biol Sper 46:497-8, 30 May 70 (Ita)
[Studies on fatty acids from fruit and seed oils. I. Studies on the cyclopropenoic fatty acid from the seed oil of Firmiana platanifolia Schott et Endl] Aburano S, et al.
J Pharm Soc Jap 90:1471-3, Nov 70 (Jap)
[Determination of composition of fatty acids in beech seed oil (Fagus silvatica L.)]
Dziedzianowicz-Wierzbicka, et al.
Rocz Panstw Zakl Hig 21:653-64, 1970 (Pol)
[A comparative study of the proteins of diploid and tetraploid buckwheat seeds] Belozerskif MA, et al.
Biokhimiia 35:152-8, 1970 (Rus)
[Pyridoxal-5-phosphate content of wheat and pea seeds and seedlings] Zaveniagina TN, et al.
Biokhimiia 36:205-15, Jan-Feb 71 (Rus)

CYTOLOGY

Intraspecific variation of DNA per cell between Picea sitchensis (Bong.) Carr. provenances. Miksche JP.
Chromosoma 32:343-52, 16 Mar 71
Studies on seeds. IV. Lipid composition of bean cotyledon vesicles. Allen CF, et al.
J Cell Biol 48:542-6, Mar 71
Studies on seeds. 3. Isolation and structure of lipid-containing vesicles. Mollenhauer HH, et al.
J Cell Biol 48:533-41, Mar 71
Studies on seeds. II. Origin and degradation of lipid vesicles in pea and bean cotyledons. Mollenhauer HH, et al. J Cell Biol 48:395-405, Feb 71
Studies on seeds. I. Fixation of seeds. Mollenhauer HH, et al. J Cell Biol 48:387-94, Feb 71
Studies on seeds. 3. Isolation and structure of lipid-containing vesicles. Mollenhauer HH, et al.
J Cell Biol 48:533-41, Mar 71
Studies on seeds. I. Fixation of seeds. Mollenhauer HH, et al. J Cell Biol 48:387-94, Feb 71
Studies on seeds. II. Origin and degradation of lipid vesicles in pea and bean cotyledons. Mollenhauer HH, et al. J Cell Biol 48:395-405, Feb 71
Cytochemical and developmental changes in microbodies (glyoxysomes) and related organelles of castor bean endosperm. Vigil EL.
J Cell Biol 47:435-54, Sep 70
[Ribosomes of dry pea seeds] Gumilevskaia NA, et al.
Biokhimiia 36:277-89, Mar-Apr 71 (Rus)

DRUG EFFECTS

Isosteric relationship of biologically active N 6 -(-phenylalkyl) adenines and N 6 -(-1',4'-xyxlohwzadien-1'-y-alkyl)adenines. Lloyd RF, et al. Arch Biochem Biophys 143:247-52, Mar 71
Permeation of dry seeds with chemicals: use of dichloromethane. Meyer H, et al.
Science 171:583-4, 12 Feb 71
[Mutagenic effect of isocyanic acid and sodium isocyanate] Matvienko LN, et al.
Dokl Akad Nauk SSSR 187:1169-70, 11 Aug 69 (Rus)
[Mutagenic action of ethyleneimine as influenced by cellular metabolites] Protopopova EM, et al.
Dokl Akad Nauk SSSR 186:464-7, May 69 (Rus)
[Phenomenon of muto-crossing over in plants treated with supermutagens] Rapoport IA, et al.
Dokl Akad Nauk SSSR 189:1378-81, 21 Dec 69 (Rus)
[Dependence of the protective effect of cysteine on the moisture content of dormant pea seeds] Tsarapkin LS. Radiobiologiia 10:706-9, Sep-Oct 70 (Rus)
[The effect of treating seeds with vitamins and vitamin-forming bacteria on vitamin accumulation in the green mass of plants] Karaseva LV, et al.
Mikrobiol Zh 31:392-6, Jul-Sep 69 (Ukr)

ENZYMOLOGY

Purification of yellow lupin seed tRNA's specific for isoleucine and some other amino acids. Legocki AB, et al. Acta Biochim Pol 17:99-110, 1970
The arginase inhibitor from sunflower seeds: purification and inhibitory properties. Muszyńska G, et al. Acta Biochim Pol 17:247-52, 1970
Properties of the phospholipase D from peanut seeds.
Heller M, et al.
Biochim Biophys Acta 210:276-86, 14 Jul 70
Transfer RNA-primed oligoadenylate synthesis in maize seedlings. I. Requirements of the reaction and nature of the product with crude enzyme. Walter TJ, et al. Biochim Biophys Acta 217:72-82, 17 Sep 70
In vitro O 2 '-methylation of sugars in E. coli RNA. 3. Methylation of E. coli transfer RNA by heterologous methylases in particulate-free extracts of wheat embryo. Nichols JL, et al.
Can J Biochem 47:863-9, Sep 69
Effect of organic reducing agents and ferrous ion on thioglucosidase activity of Crambe abyssinica seed. Tookey HL, et al. Can J Biochem 48:1025-8, Sep 70
The biosynthesis of folic acid compounds in plants. IV. Purification and properties of the dihydropteroate-synthesizing enzyme from pea seedlings. Okinaka O, et al.
J Vitaminol (Kyoto) 16:201-9, Sep 70
The biosynthesis of folic acid compounds in plants. V. Reaction mechanism of the dihydropteroate-synthesizing enzyme from pea seedlings. Okinaka O, et al.
J Vitaminol (Kyoto) 16:210-4, Sep 70
On the possible intracellular localization of isocitrate lyase from Pinus pinea. Zanobini A, et al.
Life Sci [II] 10:19-23, 8 Jan 71
Specificity of lipase from several seeds and Leptospira pomona. Berner DL, et al. Lipids 5:572-3, Jun 70
Variation in lipase activities during germination (in dark) of gamma-irradiated castor-seeds. Thanki RJ, et al. Lipids 5:519-23, Jun 70
Enzymes associated with protein bodies isolated from ungerminated barley seeds. Ory RL, et al.
Plant Physiol 44:1488-98, Nov 69
[Urease in seeds of Citrullus colocynthis (L.) Schrad found in Poland] Kostecka-Mądalska O.
Acta Pol Pharm 27:397-400, 1970 (Pol)

GROWTH & DEVELOPMENT

Formation of biologically active substances by rhizosphere bacteria and their effect on plant growth. Hussain A, et al.
Folia Microbiol (Praha) 15:468-78, 1970
Cytokinins: permissive role in seed germination. Khan AA. Science 171:853-9, 5 Mar 71 (76 ref.)
[Equipment for the promotion of germination of vine seeds (Vitis vinifera L.) with sterile surfaces under sterile conditions] Manninger E, et al.
Zentralbl Bakteriol [Naturwiss] 125:675-7, 1970 (Ger)

METABOLISM

Fat metabolism in higher plants. 43. Control of fatty acid synthesis in germinating seeds. Harwood JL, et al. Arch Biochem Biophys 142:281-91, Jan 71
Effect of indole-3-acetic acid on the synthesis of cyclic 3'-5' adenosine phosphate by Bengal gram seeds. Azhar S, et al.
Biochem Biophys Res Commun 43:58-64, 2 Apr 71
Changes in fatty acids of linseed oil (Linum usitatissimum) during ripening. Bhatia IS, et al.
Indian J Biochem 7:215-6, Sep 70
The mechanism of introduction of alkyl groups at C-24 sterols. I. The precursor of the C2 group. Castle M, et al. J Biol Chem 242:5796-801, 25 Dec 67
Amino acid incorporation activity of lettuce seed ribosomes during germination. Efron D, et al.
Life Sci [II] 10:1015-9, 8 Sep 71
Protein chain initiation by methionyl-tRNA in wheat embryo. Marcus A, et al.
Proc Natl Acad Sci USA 67:1681-7, Dec 70
Rate of acetate and mevalonate incorporation by extracts of Pinus pinaster seedlings. García-Peregrín E, et al. Rev Esp Fisiol 27:15-22, Mar 71
Effect of pelleting pea seeds (Pisum sativum) with phosphorus compounds on the yield of the crop. Iswaran V, et al.
Zentralbl Bakteriol [Naturwiss] 126:43-4, 1971
[Inhibition of DNA-synthesis by 5-FUDR in Sinapis alba (L.)] Capesius I, et al.
Z Naturforsch [B] 25:1475-7, Dec 70 (Ger)

RADIATION EFFECTS

Repair of gamma-ray and neutron-induced lesions in germinating barley seeds. Ahnström G, et al.
Int J Radiat Biol 19:433-43, 1971
Possible uncoupling action of gamma-radiation in excised bean hypocotyl segments. Joshi VG, et al.
Int J Radiat Biol 18:173-8, 1970
[Some changes in the primary and secondary structure of the low-polymer fraction of labile DNA from cotton seedlings grown from irradiated seeds] Ibragimov AP, et al. Dokl Akad Nauk SSSR 192:1164-5, 1970 (Rus)
[Chromatid structural changes of chromosomal origin as a result of mitotic crossing over between sister chromatids in ring chromosomes] Nemtseva LS, et al.
Dokl Akad Nauk SSSR 186:1185-8, 11 Jun 69 (Rus)
[Mutagenic effect of laser radiation on the seeds of Arabidopsis thaliana (L.) Heynh] Usmanov PD, et al.
Dokl Akad Nauk SSSR 193:455-7, Jul 70 (Rus)
[Loss of gamma-induced free radicals in seeds during their germination] Bidzilia NI, et al.
Radiobiologiia 10:732-5, Sep-Oct 70 (Rus)
[Chromatid aberrations caused by radiation in phase G1] Dubinin NP, et al.
Radiobiologiia 11:57-63, Jan-Feb 71 (Rus)
[The effect of dosage in irradiation of pea seeds at various phases of germination] Gudkov IN.
Radiobiologiia 9:772-3, Sep-Oct 69 (Rus)
[Relation of the protective effect of anoxia to the radiation dose during the formation ofchromosome aberrations] Iakovenko KN, et al.
Radiobiologiia 10:855-63, Nov-Dec 70 (Rus)
[Effect of temperature during gamma-irradiation of seeds on the degree of cytogenetic damage] Kuzin AM, et al. Radiobiologiia 9:720-3, Sep-Oct 69 (Rus)
[Dosage curves for appearance of chromosome aberrations and modifications of cellular metabolism] Mitrofanov IuA, et al.
Radiobiologiia 11:53-6, Jan-Feb 71 (Rus)
[Radiation sensitivity and aging of seeds of Allium fistulosum L] Nechitailo GS.
Radiobiologiia 9:774-6, Sep-Oct 69 (Rus)
[Use of homologous DNA for modification of radiation damage to the structure of seed embryo DNA] Nelipovich PA, et al.
Radiobiologiia 10:820-5, Nov-Dec 70 (Rus)
[Effect of gamma-irradiation dose rate on the cytogenetic effect in the irradiation of lettuce seeds and shoots] Pap'ian NM, et al.
Radiobiologiia 10:770-2, Sep-Oct 70 (Rus)
[Relation of cytogenetic damage to the magnitude of the dose of gamma radiation] Platenko VS.
Radiobiologiia 10:849-54, Nov-Dec 70 (Rus)
[Relation of the radiobiological effect to the mineral nutrition level of sunflers] Riza-Zade RR, et al.
Radiobiologiia 10:907-9, Nov-Dec 70 (Rus)
[Effect of repeated irradiation of seeds after storage] Riza-Zade RR, et al.
Radiobiologiia 11:306-7, Mar-Apr 71 (Rus)
[Effet of chemical substances on radiation damage to chromosomes induced in dormant pea seeds by different doses of gamma-rays] Tsarapkin LS, et al.
Radiobiologiia 10:844-8, Nov-Dec 70 (Rus)
[Dependence of the protective effect of cysteine on the moisture content of dormant pea seeds] Tsarapkin LS. Radiobiologiia 10:706-9, Sep-Oct 70 (Rus)
[Effect of presowing gamma-irradiation on germination of hemp seeds and viability of seedlings] Zhatov AI, et al.
Radiobiologiia 9:769-72, Sep-Oct 69 (Rus)
[Chromosome mutations induced by space flight factors in barley seeds during the flight of the automatic stations Zond-5 and Zond-6 around the moon] Nuzhdin NI, et al.
Zh Obshch Biol 31:72-83, Jan-Feb 70 (Rus)

SEGONTIN see PRENYLAMINE (D5)

SELECTION (GENETICS) (G1)

Complex segregation analysis. Rao DC, et al.
Am J Hum Genet 23:325-6, May 71
Relative densities of freely breeding populations of Aedes (S.) polynesiensis Marks and A. (S.) albopictus Skuse. A large cage experiment. Rozeboom LE.
Am J Trop Med Hyg 20:356-62, Mar 71
The problem of somatic plasticity in the theory of evolution. Walker I.
Arch Julius Klaus Stift Vererbungsforsch 43:Suppl:40-51, 1968
Selection for constancy of expression of the Tabby gene in the mouse. Johnston PG, et al.
Aust J Biol Sci 23:1061-6, Oct 70
Effects of selection and drift on the dynamics of finite populations. II. Expected time to fixation or loss of an allele. Carr RN, et al. Biometrics 26:221-8, Jun 70
Design of experiments to estimate heritability by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

regression of offspring on selected parents. Hill WG. Biometrics 26:566-71, Sep 70
The equivalence of different sets of stability conditions for multiple allelic systems. Mandel SP. Biometrics 26:840-5, Dec 70
Selectively disadvantageous mutants. Thomson GJ. Biometrics 26:229-41, Jun 70
Index selection for direct and maternal genetic components of economic traits. Van Vleck LD. Biometrics 26:477-83, Sep 70
Scaling effects and the inheritance of juvenile body weight in chickens. Carte IF, et al. Can J Genet Cytol 12:724-7, Dec 70
Pre-Darwinian and non-Darwinian evolution of proteins. Jungck JR. Curr Mod Biol 3:307-18, Feb 71
Studies on genetic organization in higher organisms. 3. Confirmation of the single cistron-allele complementation model of organization of the maroon-like region of Drosophila melanogaster. Finnerty V, et al. Genet Res 15:351-5, Jun 70
The founder effect and response to artificial selection. James JW. Genet Res 16:241-50, Dec 70
Genetic loads at a polymorphic locus which is maintained by frequency-dependent selection. Kimura M, et al. Genet Res 16:145-50, 2 Oct 70
Selection for a threshold character in Drosophila. 3. Genetic control of variability in plateaued populations. Latter BD. Genet Res 15:285-300, Jun 70
The effect of suppressing crossing-over on the response to selection in Drosophila melanogaster. McPhee CP, et al. Genet Res 16:1-16, Aug 70
Selection for the length of the spermatozoan midpiece in the mouse. Woolley DM. Genet Res 16:261-75, Dec 70
The estimation of Wright's fixation index from genotypic frequencies. Brown AH. Genetica 41:399-406, 1970
Linkage and the elimination of deleterious mutant genes from experimental populations. Dawson PS. Genetica 41:147-69, 1970
Selection at the transferrin locus in mice. Ashton GC, et al. Genetics 67:253-65, Feb 71
Selection for body weight in the mouse at three temperatures and the correlated response in tail length. Baker RL, et al. Genetics 65:505-23, Jul 70
Is the gene the unit of selection? Franklin I, et al. Genetics 65:707-34, Aug 70
Genetic variation in chaetae number of Tribolium. Lange EL, et al. Genetics 65:669-79, Aug 70
Selection in finite populations with multiple alleles. II. Centripetal selection, mutation, and isoallelic variation. Latter BD. Genetics 66:165-86, Sep 70
Regulation of anterior and posterior scutellar bristle number in Drosophila. Latter BD, et al. Genetics 66:685-94, Dec 70
Genetic effects of fluctuating temperature in populations of Drosophila melanogaster. Long T. Genetics 66:401-16, Oct 70
Direct and maternal effects of egg-size genes on hatchability. Nordskog AW, et al. Genetics 67:267-78, Feb 71
Selection for dominance of hairy-wing (Hw) in Drosophila melanogaster. I. Dominance at different levels of phenotype. Ohh BK, et al. Genetics 66:517-40, Nov 70
Selection in experimental populations. II. Components of selection and their fluctuations in two populations of Drosophila melanogaster. Polivanov S, et al. Genetics 63:919-32, Dec 69
The estimation of fitnesses from population data. Prout T. Genetics 63:949-67, Dec 69
Stabilizing and disruptive selection on a mutant character in Drosophila. 3. Polymorphism caused by a developmental switch mechanism. Scharloo W. Genetics 65:693-705, Aug 70
Stabilizing and disruptive selection on a mutant character in Drosophila. II. Polymorphism caused by a genetical switch mechanism. Scharloo W. Genetics 65:681-91, Aug 70
Concurrent inbreeding and selection in Drosophila pseudoobscura. Sinnock P. Genetics 65:133-43, May 70
Studies on natural populations of Drosophila. X. Effects of disruptive and stabilizing selection on wing length and the correlated response in Drosophila melanogaster. Tantawy AO, et al. Genetics 65:121-32, May 70
Experimental design in fitness estimation. Wilson J. Genetics 66:555-67, Nov 70
Direct and associate effects of body weight and viability in Drosophila melanogaster. Young SS. Genetics 66:541-54, Nov 70
Direct and transfer response of rats selected for growth at two environmental temperatures. Roubicek CB, et al. Growth 35:1-10, Mar 71
Anaphylactic antibodies in mice genetically selected for antibody production. Prouvost-Danon A, et al. Immunology 20:25-7, Jan 71
Monte Carlo studies of selection and inbreeding in swine. 3. Gene frequency. Bereskin B, et al. J Anim Sci 31:828-36, Nov 70
A general solution to a genetic selection problem involving recessive lethals. Falk CT. J Hered 61:49-50, Mar-Apr 70
Selection in mice for change in viability of a semilethal genotype at the T locus. Klyde BJ. J Hered 61:39-43, Jan-Feb 70
Results of breeding for low and high uterine metabolic status in rats. Schultze AB. J Hered 60:349-50, Nov-Dec 69
What use is sex? Smith JM. J Theor Biol 30:319-35, Feb 71
Selection for adaptation to increased temperatures in free-living nematodes. Lower WR, et al. Life Sci [II] 7:139-46, 15 Feb 68
Validity of the selective coefficient of a behaviour trait in hawkmoth larvae. Curio E. Nature (Lond) 228:382, 24 Oct 70
Experimentally created incipient species of Drosophila. Dobzhansky T, et al. Nature (Lond) 230:289-92, 2 Apr 71
Does virus infection have evolutionary significance? West DA. Nature (Lond) 229:637, 26 Feb 71
Regulating the expression of malignancy. Nature (Lond) 231:488, 25 Jun 71
Seasonal selection as a factor in rotifer cyclomorphosis. Halbach U, et al. Naturwissenschaften 58:326, Jun 71
Natural selection and the origin of life. Allen G. Perspect Biol Med 14:109-26, Autumn 70
The effect of genetic linkage on the mean fitness of a population. Lewontin RC. Proc Natl Acad Sci USA 68:984-6, May 71
Selection and polygenic characters. Slatkin M. Proc Natl Acad Sci USA 66:87-93, May 70
Non-adaptive variation and group selection. Cloudsley-Thompson JL. Sci Progr 59:243-54, 1971
A further query on color blindness and natural selection. Adam A. Soc Biol 16:197-208, Sep 69
Deformed nasal septa and relaxed selection: II. Post RH. Soc Biol 16:179-96, Sep 69
[Genetic variation estimated according to the response of the number of ovarioles to selection, in two experimental populations of Drosophila melanogaster meigen] Scheemaeker-Louis M de. Arch Biol (Liege) 81:495-557, 1970 (Fre)
[Response of the number of ovarioles to selection in Drosophila melanogaster in an experimental population submitted to severe larval competition] Scheemaeker-Louis M de. Arch Biol (Liege) 81:559-631, 1970 (Fre)
[Selection of mutants of lambda bacteriophage incapable of replicating] Rambach A, et al. C R Acad Sci [D] (Paris) 272:149-52, 4 Jan 71 (Fre)
[Reply to the discussion by W. Seffner on the publication of G. Schönmuth, E. Nagel and H. Seifert "Selection against rhinitis atrophicans suum by means of roentgen diagnosis"] Schönmuth G. Monatsh Vet Med 24:419-20, 1 Jun 69 (Ger)
[Discussion on the publication "Selection against rhinitis atrophicans suum by means of roentgen diagnosis" by G. Schönmuth, E. Nagel and H. Seifert] Seffner W. Monatsh Vet Med 24:418-9, 1 Jun 69 (Ger)
[Selection of strongly toxigenic Corynebacterium diphtheriae mutants] Germanier R. Pathol Microbiol (Basel) 36:286-7, 1970 (Ger)
[Actual selection mechanisms] Fuhrmann W. Stud Gen (Berl) 24:246-63, 1971 (Ger)
[Variability of the Actinomyces orientalis culture and production of an active strain] Deshits LA, et al. Antibiotiki 15:1059-63, Dec 70 (Rus)
[The role of gene selection and drift in formation of the optimum phenologic appearance of the population] Novozhenov IuI. Dokl Akad Nauk SSSR 191:693-5, 1970 (Rus)
[Possibility of selecting active strains of Rhizobium from the riboflavin and cobalamin content in pure cultures] Shemakhanova NM, et al. Mikrobiologiia 39:1026-9, Nov-Dec 70 (Rus)
[Statistical model for selection of unicellular algae according to rate of increase in numbers] Shvytov LA. Zh Obshch Biol 32:260-5, May-Jun 71 (Rus)

SELENIUM (D1)

R-factor transfer in selenite and tetrathionate broths. Gardner P, et al. Appl Microbiol 21:685-7, Apr 71
Incorporation of radioactive seleno-(75Se)-methionine into mumps virus. Jensik SC, et al. Appl Microbiol 21:451-5, Mar 71
Studies of pancreatic morphology and function with 75-selenomethionine. Agnew JE, et al. Br J Radiol 44:403, May 71
Biosynthesis of Se-methylselenocysteine and S-methylcysteine in Astragalus bisulcatus. Chen DM, et al. Can J Biochem 48:1278-83, Nov 70
Some chemical and biochemical properties of selenomethionine. Shepherd L, et al. Can J Biochem 47:877-81, Sep 69
The potassium and phosphorus content of a cariogenic streptococcus modified by fluoride and selenium. Luoma H, et al. Caries Res 5:96-9, 1971
Clinical pathological conference. Cornell Vet 60:722-37, Oct 70
75se-selenomethionine in the scintiscan diignosis of primary hepatocellular carcinoma. Eddleston AL, et al. Gut 12:245-9, Apr 71
Nature of incorporation of radioactive selenium into proteins of canine erythrocytes. Celander DR, et al. J Am Osteopath Assoc 70:1098-102, Jun 71
Selenium-responsive disease of sheep. Muth OH. J Am Vet Med Assoc 157:1507-11, 1 Dec 70
Hepatosis dietetica and mulberry heart disease associated with selenium deficiency in Indiana swine. Van Vleet JF, et al. J Am Vet Med Assoc 157:1208-19, 1 Nov 70
Effect of dietary selenium on the survival of rats exposed to chronic whole body irradiation. Hurt HD, et al. J Nutr 101:363-6, Mar 71
Growth, reproduction, and tissue concentrations of selenium in the selenium-depleted rat. Hurt HD, et al. J Nutr 101:761-6, Jun 71
A clinical evaluation of the selenomethionine uptake test. Lee P, et al. J Obstet Gynaecol Br Commonw 77:982-6, Nov 70
Studies on dietary hepatic necrosis. II. Ultrastructural and enzymatic alterations of the hepatocytic plasma membrane. Machado EA, et al. Lab Invest 24:13-20, Jan 71
[Original method of diagnosis of liver neoplasms: radioisotope scanning with selenomethionine] Caroli J, et al. Rev Med Chir Mal Foie 46:69-74, 1971 (Fre)
[Changed 75Se concentration in Na2 75SeO3-application in tumors after irradiation] Wenzel M, et al. Klin Wochenschr 48:1367-8, 15 Nov 70 (Ger)
[Usefulness of radioisotope scanning in the detection and diagnosis of pancreatic tumors] Troncone L, et al. Chir Patol Sper 17:539-54, Dec 69 (Ita)
[Selenium-75 methionine in the study of pancreatic function by means of timed duodenal catheterization] Ferri O, et al. Minerva Chir 26:334-45, 15 Apr 71 (Ita)
[Clinical use of pancreatic scanning by methrionine Se75] Roncari G, et al. Radiol Med (Torino) 55:635-49, Jul 69 (Ita)
[Analytical studies on thiopyrazolone derivatives. 3. Reaction of 1-phenyl-2,3-dimethyl-3-pyrazoline-5-thione with various oxidizing agents] Tanaka T. J Pharm Soc Jap 91:332-7, Mar 71 (Jap)

ANALYSIS

The occurrence of selenocystathionine in Morinda reticulata Benth., a toxic seleniferous plant. Peterson PJ, et al. Aust J Biol Sci 24:175-7, Feb 71
Radioselenium in duodenal aspirate as an assessment of pancreatic exocrine function. Youngs GR, et al. Br Med J 2:252-5, 1 May 71
Tissue selenium concentrations in sheep fed a purified diet. Buchanan-Smith JG, et al. Can J Physiol Pharmacol 49:619-21, Jun 71
Improvement in the 2,3-diaminonaphthalene reagent for microfluorescent determination of selenium in biological materials. Wilkie JB, et al. J Agric Food Chem 18:944-5, Sep-Oct 70
Essential trace metals in man: selenium. Schroeder HA, et al. J Chronic Dis 23:227-43, Oct 70 (40 ref.)
Selenium content of foods. Morris VC, et al. J Nutr 100:1383-8, Dec 70
Vitamin E and selenium in cows' milk. Millar KR, et al. NZ Med J 72:417, Dec 70
[Spectrophotometric determination of selenium in the air] Alekseeva LS. Gig Sanit 35:59-60, Feb 70 (Rus)
[Selenium and tellurium in the air in the region of copper electrolyte plants] Seliankina KP, et al. Gig Sanit 35:95-6, Mar 70 (Rus)

BLOOD

Blood selenium in naturally fed horses and the effect of selenium administration. Bergsten G, et al. Acta Vet Scand 11:571-6, 1970

DIAGNOSTIC USE

75Se activity in the duodenal test meal aspirate: a new pancreatic function test. Youngs GR, et al. Gut 11:1057, Dec 70
Mediastinum scanning with 75Se-selenomethionine. Goel Y, et al. J Nucl Med 12:644-5, Sep 71
[Specific detection of liver neoplasms using double labelling with selenomethionine-75 and colloidal gold-198] Saint-Laurent J de, et al. C R Acad Sci [D] (Paris) 272:3221-4, 21 Jun 71 (Fre)
[Probes in the positive cintigraphic diagnosis of abdomina tumors with 75Se-selenit] Iwig J, et al. Fortschr Geb Roentgenstr Nuklearmed 113:89-96, Jul 70 (Ger)
[A new scintigraphic technic with double tracer (colloidal Au 198 and sodium selenite labeled with Se75) for the diagnosis of neoplastic lesions of the liver] Mombelli L, et al. Radiol Med (Torino) 56:913-23, Oct 70 (Ita)
[Uptake of selenium-75 methionine in tumor sites of neuroblastoma patients] Angio GJ d', et al. Ann Radiol (Paris) 14:351-3, Mar-Apr 71 (Mul)

ISOLATION & PURIFICATION

Separation of 75Se(IV) and 75Se(VI) on anion-exchange resin paper. Barooshian AV, et al. Anal Biochem 42:281-3, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

Evaluation of corrective surgery for pancreatitis by Se75 selenomethionine pancreatic imaging. A case report. Eaton SB Jr, et al.
Am J Roentgenol Radium Ther Nucl Med 112:678-81, Aug 71

Brain uptake of selenomethionine Se 75. I. Effects of elevated blood levels of methionine and phenylalanine. Oldendorf WH, et al.
Arch Neurol 24:423-30, May 71

The intracellular distribution of acid-labile selenium in rat liver and the possible biological function of selenium and vitamin E. Lucy JA, et al.
Biochem J 119:40P, Oct 70

The utilization of selenomethionine by Escherichia coli. Coch EH, et al.
Biochim Biophys Acta 230:223-36, 23 Feb 71

Comparative uptake of selenium by low cystine and high cystine proteins. Jenkins KJ, et al.
Can J Biochem 49:468-72, Apr 71

Selenium in the lens of the dog. Yakely WL, et al.
J Am Vet Med Assoc 158:1561-5, 1 May 71

Selenomethionine, a methyl donor for bacterial nucleic acids. Wu M, et al. J Bacteriol 105:1222-3, Mar 71

Selenium. Hogue DE.
J Dairy Sci 53:1135-7, Aug 70 (27 ref.)

Uptake studies in canine abdominal organs following 75Se-selenomethionine administration by a variety of intravascular injection techniques. Kupic EA, et al.
J Nucl Med 12:35-9, Jan 71

Effect of mercuric compounds on the maternal transmission of selenium in the pregnant and lactating rat. Paffűek J, et al.
J Reprod Fertil 25:157-70, May 71

Some factors influencing uptake of 75Se-selenomethionine by the pancreatic tissues of the rat. Spaventi S, et al.
Nucl Med (Stuttg) 9:366-74, 31 Dec 70

Interrelationship between selenium and specific trace elements. McConnell KP, et al.
Proc Soc Exp Biol Med 137:996-1001, Jul 71

Stomach uptake simulating tumor following the intra-arterial injection of 75Se-selenomethionine. Quinn JL 3d, et al. Radiology 98:341-2, Feb 71

Brain uptake of 75 Se-selenomethionine. Oldendorf WH, et al. Trans Am Neurol Assoc 95:155-8, 1970

[Distribution of 75Se in normal tissues and tumors after application of radioactive sodium selenite in vitro and in vivo] Wenzel M, et al.
Int J Appl Radiat Isot 22:361-9, Jun 71 (Ger)

[Water content of organs of Leghorns under the effect of selenium] Tsals II.
Veterinariia 10:88-9, Oct 70 (Rus)

[Changes in the liver of chickens with hepatosis] Tsals II. Veterinariia 10:98-100, Oct 70 (Rus)

PHARMACODYNAMICS

Effects of vitamin E and selenium on Cassia occidentalis intoxication in cattle. O'Hara PJ, et al.
Am J Vet Res 31:2151-6, Dec 70

The effects of selenium and tellurium compounds on pigmentation of granules of Trichomycosis axillaris. Duncan WC, et al. Int J Dermatol 9:226-31, Jul-Sep 70

The influence of selenourea and of colloidal selenium on the survival of E. coli B-r after x-irradiation. Badiello R, et al. Int J Radiat Biol 20:61-8, 1971

Effect of vitamin E and selenium on tissue composition of young pigs. Ewan RC. J Anim Sci 32:883-7, May 71

Selenium supplementation of practical diets for growing-finishing swine. Groce AW, et al.
J Anim Sci 32:905-11, May 71

Effects of molybdate and selenite on formate and nitrate metabolism in Escherichia coli. Lester RL, et al. J Bacteriol 105:1006-14, Mar 71

Effects of vitamin E and selenium on Rubidium-86 uptake by rat liver slices. Levander OA, et al.
J Nutr 101:1013-22, Aug 71

[Effect of sodium selenate on the calcification of teeth and jaws of young rats. Studies using tetracycline] Kaqueler JC, et al.
Arch Sci Physiol (Paris) 24:157-63, 1970 (Fre)

[Inhibition of the incorporation of 14C-leucine into lymphocytes from peritoneal exudate of the rat by cytostatics, antiphlogistics and selenophenones] Hirschelmann R, et al.
Acta Biol Med Ger 25:41-5, 1970 (Ger)

[Influence of sodium selenite, sodium tellurite and sodium sulfite on retention and distribution of cadmium in mice] Eybl V, et al.
Arch Toxikol 26:167-75, 1970 (Ger)

[Genetic transformation of selenium resistance and selenium reductase formation in Bacillus megaterium] Koval'skif VV, et al.
Dokl Akad Nauk SSSR 194:1429-32, 1970 (Rus)

[Effect of vitamin E and selenium on glycine-2-C 14 and formate-C 14 incorporation in rat liver glutathione] Shtutman TsM, et al.
Ukr Biokhim Zh 42:747-51, 1970 (Ukr)

POISONING

Acute selenium poisoning in lambs. Gabbedy BJ, et al.
Aust Vet J 45:470-2, Oct 69

Acute selenium poisoning in cattle. Shortridge EH, et al. NZ Vet J 19:47-50, Mar 71

[Fatal poisoning with selenious acid] Ferents, et al.
Sud Med Ekspert 14:54-5, Apr-Jun 71 (Rus)

[Changes in the liver of chickens with hepatosis] Tsals II. Veterinariia 10:98-100, Oct 70 (Rus)

THERAPEUTIC USE

Use of selenium-tocopherol in clinical practice. Fuller SA. Vet Med Small Anim Clin 66:202 passim, Mar 71

[Treatment of seborrheic dermatitis of the scalp. Therapeutic evaluation of a 1 per cent solution of selenium sulfate] Paschoal LH.
Hospital (Rio de J) 78:85-8, Jul 70 (Por)

[Pityriasis versicolor. Comparative study of therapeutic effects] Cardoso AE.
Rev Bras Med 26:620-3, Oct 69 (Por)

[Sodium selenite in toxic liver dystrophy in foxes] Vlatkin SK. Veterinariia 6:82-3, Jun 70 (Rus)

TOXICITY

Oxygen consumption and 14CO2 production in tissue of rats with chronic and acute selenite poisoning. Caravaggi C. Experientia 27:369-71, 15 Apr 71

Selenium in man. Hadjimarkos DM.
NZ Med J 71:205-6, Sep 70

Experimental acute toxicity of orally administered sodium selenite in lambs. Caravaggi C, et al.
Res Vet Sci 11:501-2, Sep 70

Acute selenium toxicity in lambs following intramuscular injection of sodium selenite. Caravaggi C, et al. Res Vet Sci 11:146-9, Mar 70

[Biological effect and level of safety of selenium in its entry into the organism with drinking water] Pletnikova IP. Gig Sanit 35:14-9, Feb 70 (Rus)

URINE

[Polarographic determination of selenium in urine] Maes R, et al. Arch Belg Med Soc 28:281-4, Apr 70 (Dut)

SELF ASSESSMENT see under SELF CONCEPT

(F1)

SELF CONCEPT (F1)

see also related
BODY IMAGE (F1)

Identification and reidentification: a change in the self-concept. Peretti PO.
Acta Paedopsychiatr (Basel) 37:314-6, Nov 70

Teacher self-evaluation and behavioral analysis. Carlson R, et al. Am Ann Deaf 115:620-1, Oct 70

Alterations in consciousness in neutral hypnosis: distortions in semantic space. Kihlstrom JF, et al.
Am J Clin Hypn 13:243-8, Apr 71

Attitudes, self-concepts, and the student in medical technology. Karni KR, et al.
Am J Med Technol 36:491-507, Oct 70

Self-concept of EMR and nonretarded adolescents. Collins HA, et al. Am J Ment Defic 75:285-9, Nov 70

Anger: a tool for developing self-awareness. Thomas MD, et al. Am J Nurs 70:2586-90, Dec 70

One day experience in group dynamics in an occupational therapy assistant course. Maynard M, et al. Am J Occup Ther 25:170-1, Apr 71

Psychological conflict in Negro American language behavior: a case study. Hartman JJ.
Am J Orthopsychiatry 41:627-35, Jul 71

Insightful verses. Becker BJ.
Am J Psychoanal 31:103, 1971

Self-confrontation through video. Berger MM.
Am J Psychoanal 31:48-58, 1971

The meaning of personal identity. Harris RN.
Am J Psychoanal 31:39-47, 1971

Adolescent turmoil and the search for identity. Schonfeld WA. Am J Psychoanal 31:19-34, 1971

Self-consciousness considered within a theory of self. Zuger B. Am J Psychoanal 30:135-44, 1970

Psychocultural roots of America's self-image. Lauterbach A. Am J Psychother 24:627-42, Oct 70

Uncle Tom and Mr. Charlie: metaphysical pathos in the study of racism and personal disorganization. McCarthy JD, et al. Am J Sociol 76:648-72, Jan 71

Occlusal relations in children in an optimally fluoridated community. IV. Clinical and social-psychological findings. Horowitz HS, et al.
Angle Orthod 41:189-201, Jul 71

The drug abuser and the alcoholic: some similarities. Ferneau EW Jr. Br J Addict 66:71-5, Jun 71

The interpretation of children's lie scale scores. Eysenck SB, et al. Br J Educ Psychol 41:23-31, Feb 71

Changes in the self concepts of school-leavers who participated in an Arctic expedition. Payne J, et al.
Br J Educ Psychol 40:211-6, Jun 70

Gender rejection as a reaction to early sexual trauma and its partial expression in verse. Hamilton JW.
Br J Med Psychol 41:405-10, Dec 68

Young offenders' images of self and surroundings: a semantic enquiry. Bhagat M, et al.
Br J Psychiatry 117:381-7, Oct 70

Age-related correlates of self-derogation: report of childhood experiences. Kaplan HB, et al.
Br J Psychiatry 117:533-4, Nov 70

Self-report and error choice: inter-individual differences in the operation of the error-choice principle and their validity in personality questionnaire tests. Wilde GJ, et al.
Br J Psychol 61:219-28, May 70

Self-esteem and sex as factors affecting influenceability. Lindskold S, et al.
Br J Soc Clin Psychol 10:114-22, Jun 71

The temporastability of self-ratings of neuroticsymptoms. Sheffield BF, et al.
Br J Soc Clin Psychol 9:46-53, Feb 70

Self-other orientations of French- and English-Canadian adolescents. Henderson EH, et al.
Can J Psychol 24:142-52, Jun 70

Self-description as a function of evaluative and activity ratings among American and Indian adolescents. Long BH, et al. Child Dev 41:1017-24, Dec 70

Self-concepts of high- and low-curiosity boys. Maw WH, et al. Child Dev 41:123-9, Mar 70

Spatial abilities and spatial egocentrism in the young child. Shantz CU, et al. Child Dev 42:171-81, Mar 71

The influence of masculine, feminine, and neutral tasks on children's achievement behavior, expectancies of success, and attainment values. Stein AH, et al.
Child Dev 42:195-207, Mar 71

Self-concept changes in training medical and nursing students. Beard BH, et al.
Dis Nerv Syst 31:616-23, Sep 70

The stigma of stroke. Its effects on performance during and after rehabilitation. Hyman MD.
Geriatrics 26:132-41, May 71

Some complications in self-esteem regulation caused by using an archaic image of the self as an ideal. De Saussure J. Int J Psychoanal 52:87-97, 1971

A function of action in the early development of identity. Fast I. Int J Psychoanal 51:471-8, 1970

The functions of 'inner objects'. Stierlin H.
Int J Psychoanal 51:321-9, 1970

Discussion of 'narcissistic object choice, self-representation'. Int J Psychoanal 51:151-7, 1970

Discussion of 'the self: a contribution to its place in theory and technique'.
Int J Psychoanal 51:175-81, 1970

Reinforcing values of interpretations and reflections in a quasi-therapeutic interview. Hekmat H.
J Abnorm Psychol 77:25-31, Feb 71

Conditioning of affective self-references as a function of semantic meaning of verbal reinforcers. Hekmat H, et al. J Abnorm Psychol 76:427-33, Dec 70

The A-B scale and empathy, warmth, genuineness, and depth of self-exploration. Scott RW, et al.
J Abnorm Psychol 77:49-51, Feb 71

Antecedents to outcome in group counseling with institutionalized juvenile delinquents: effects of therapeutic conditions, patient self-exploration, alternative sessions, and vicarious therapy pretraining. Truax CB, et al.
J Abnorm Psychol 76:235-42, Oct 70

Self-Assessment--the first step in peer review. Nelsen RJ. J Am Coll Dent 38:142-3, Jul 71

Primary self, primary narcissism and related concepts. Fordham M. J Anal Psychol 16:168-87, Jul 71

Favorable self-perception, perceived supervisory style, and job satisfaction. Thompson DE.
J Appl Psychol 55:349-52, Aug 71

Psychiatric disorder and adult and peer group rejection of the child's name. Bagley C, et al.
J Child Psychol Psychiatry 11:19-27, May 70

School phobia and self-evaluation. Nichols KA, et al.
J Child Psychol Psychiatry 11:133-41, Nov 70

Differences between older institutionalized offenders and nonoffenders on MMPI hostility and control scales. Apeldorf M, et al. J Clin Psychol 27:370-2, Jul 71

Developmental differences in self-ratings on intelligence. Bailey KG, et al.
J Clin Psychol 27:51-4, Jan 71

The effects of physical training upon self-concept and body attitude. Collingwood TR, et al.
J Clin Psychol 27:411-2, Jul 71

Factor analysis of items on the social introversion and masculinity-femininity scales of the MMPI. Graham JR, et al. J Clin Psychol 27:367-70, Jul 71

Self-ratings and inventory scores in the measurement of social introversion. Lieberman LR, et al.
J Clin Psychol 27:363-6, Jul 71

Self-concept and psychiatric symptomatology. Miskimins RW, et al. J Clin Psychol 27:185-7, Apr 71

Internal vs. external control, time perspective and delay of gratification of high and low ego strength groups. Shybut J. J Clin Psychol 26:430-1, Oct 70

The severe suicide attempter and self-concept. Wilson LT, et al. J Clin Psychol 27:307-9, Jul 71

Individual differences and the meanings of vocal emotional expressions. Reardon RC.
J Commun 21:72-82, Mar 71

Immediate effects of self-confrontation on the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

self-concept. Braucht GN.
J Consult Clin Psychol 35:95-101, Aug 70
Self-disclosure in self-descriptive essays. Burhenne D, et al. J Consult Clin Psychol 35:409-13, Dec 70
On the structure of self-esteem: comments on Ziller's formulation. (Ziller RC), Carlson R.
J Consult Clin Psychol 34:264-8, Apr 70
Experimenter approval, social desirability, and statements of self-reference. Dixon TR.
J Consult Clin Psychol 35:400-5, Dec 70
Effects of failure on the self-esteem of depressed and nondepressed subjects. Filippo JR, et al.
J Consult Clin Psychol 36:151, Feb 71
Relationship between repression-sensitization and a measure of self-actualization. Foulds ML, et al.
J Consult Clin Psychol 36:257-9, Apr 71
Social self-esteem: a further look. Froehle TC, et al.
J Consult Clin Psychol 37:73-4, Aug 71
Further validation of the Personal Orientation Inventory: assessment of self-actualization of school counselors. McClain EW.
J Consult Clin Psychol 35:21-2, Aug 70
Sample and personality biases of volunteer subjects. Tiffany DW, et al.
J Consult Clin Psychol 35:38-43, Aug 70
Congruence between self-concept and public image. Walhood DS, et al.
J Consult Clin Psychol 37:148-50, Aug 71
Multidimensional analysis procedures for measuring self-concept in poverty area classrooms. Landis D, et al. J Educ Psychol 62:95-103, Apr 71
Pretest and posttest reactions to self-viewing one's teaching performance on video tape. Salomon G, et al.
J Educ Psychol 61:280-6, Aug 70
Creative attitudes and creative productivity: a comparison of two aspects of creativity among students. Taft R, et al.
J Educ Psychol 61:136-43, Apr 70
Uncertainty from internal and external sources: a clear case of overconfidence. Howell WC.
J Exp Psychol 89:240-3, Aug 71
Positiveness of self-concept and ideal self as a function of age. Hess AL, et al.
J Genet Psychol 117:57-67, Sep 70
Awareness, affection, and perceived similarity in the parent-child relationship. Wakefield WM.
J Genet Psychol 117:91-7, Sep 70
Reminiscing and self-concept in old age. Lewis CN.
J Gerontol 26:240-3, Apr 71
Illness, illness behavior and socioeconomic status. McBroom WH. J Health Soc Behav 11:319-26, Dec 70
Self-evaluation, expectancy and performance in the mentally subnormal. Rosen M, et al.
J Ment Defic Res 15:81-95, Jun 71
Identity diffusion and the transsexual resolution. Weitzman EL, et al.
J Nerv Ment Dis 151:295-302, Nov 70
Evaluating the loved one: the motivational congruency factor. Centers R. J Pers 39:303-18, Jun 71
Cognitive dissonance as a function of self-esteem and logical inconsistency. Cooper J, et al.
J Pers 39:289-302, Jun 71
Self-esteem, attitude similarity, and attraction. Hendrick C, et al. J Pers 38:588-601, Dec 70
Relationships among attention, GSR activity, and perceived similarity of self and others. Hirschman R, et al. J Pers 39:277-88, Jun 71
alternative interpretations of the relationship between self-esteem and persuasibility. Quality VERSUS DIFFICULTY. J Pers 39:242-51, Jun 71
Self-esteem and the effects of success and failure feedback n performance. Shrauger JS, et al.
J Pers 38:404-17, Sep 70
Relationships among self-ideal congruence, adjustment, and fear-of-failure motivation. Smith BD, et al. J Pers 39:44-56, Mar 71
Adjective check list scores of homosexual men. Evans RB. J Pers Assess 35:343-9, Aug 71
Deindividuation in the small group: further evidence. Cannavale FJ, et al. J Pers Soc Psychol 16:141-7, Sep 70
Effects of self-esteem, perceived performance, and choice on causal attributions. Fitch G.
J Pers Soc Psychol 16:311-5, Oct 70
Effects of experimentally aroused feelings of undistinctiveness upon valuation of scarce and novel experiences. Fromkin HL.
J Pers Soc Psychol 16:521-9, Nov 70
To err is humanizing--sometimes: effects of self-esteem, competence, and a pratfall on interpersonal attraction. Helmreich R, et al.
J Pers Soc Psychol 16:259-64, Oct 70
Compensation for ego threat: two experiments. Holmes DS. J Pers Soc Psychol 18:234-7, May 71
Self-disclosure and the volunteer: a source of bias in laboratory experiments. Hood TC, et al.
J Pers Soc Psychol 17:130-6, Feb 71
Self-esteem and attraction. Jacobs L, et al.
J Pers Soc Psychol 17:84-91, Jan 71
Self-image disparity: a developmental approach. Katz P, et al. J Pers Soc Psychol 5:186-95, Feb 67
Swimming, competence, and personality change. Koocher GP. J Pers Soc Psychol 18:275-8, Jun 71
Embarrassment, facework, and eye contact: testing a theory of embarrassment. Modigliani A.
J Pers Soc Psychol 17:15-24, Jan 71
Social comparison, self-consistency, and the concept of self. Morse S, et al. J Pers Soc Psychol 16:148-56, Sep 70
Self-attribution of attitude. Ross M, et al.
J Pers Soc Psychol 17:292-7, Mar 71
Increased self-acceptance: a means of reducing prejudice. Rubin IM.
J Pers Soc Psychol 5:233-8, Feb 67
Distraction and self-esteem effects on attitude change. Rule BG, et al. J Pers Soc Psychol 15:359-65, Aug 70
Expressive styles and their measurement. Stein KB, et al. J Pers Soc Psychol 16:656-64, Dec 70
Ego strength, social impression value of stimuli, and self-reference language. Gaines LS, et al.
J Proj Tech Pers Assess 34:428-31, Oct 70
Psychopathology and seasonal preferences; an aspect of temporal experience. Palmer RD.
J Proj Tech Pers Assess 34:513-8, Dec 70
Self-concept, sports interests, sports participation, and body type of seventh- and eighth-grade boys. Felker DW, et al. J Psychol 78:223-8, Jul 71
Self-ideal congruence as a function of human relations training. Peters DR. J Psychol 76:199-207, Nov 70
Adolescents' perception of themselves and adults in Hutterite communal society. Schludermann S, et al.
J Psychol 78:39-48, May 71
Measurements of acceptance, allowing self-direction, involvement and empathy in adult-child interaction. Stover L, et al. J Psychol 77:261-9, Mar 71
How teachers see themselves in the exemplar role in smoking education as evidenced by their attitudes and practices. Newman AN.
J Sch Health 41:275-9, May 71
Sibling position and definition of self. Bigner JJ.
J Soc Psychol 84:307-8, Aug 71
Evidence of construct and criterion-related validity for the self-concept. Ludwig DJ.
J Soc Psychol 80:213-23, Apr 70
Locus of control and correlates of attraction toward others. Silverman RE, et al.
J Soc Psychol 84:207-13, Aug 71
The influence of commitment and self-esteem on susceptibility to persuasion. Stimpson DV.
J Soc Psychol 80:189-95, Apr 70
The effect of academic integration on the self-esteem of southern Negro students. Williams RL, et al.
J Soc Psychol 80:183-8, Apr 70
Signature size: a key to status awareness. Zweigenhaft RL. J Soc Psychol 81:49-54, Jun 70
The therapeutic use of self. Will OA Jr.
Med Arts Sci 24:3-14, 1970
The self image: a thory of the dynamics of behavior, updated. Anderson CM. Ment Hyg 55:365-8, Jul 71
Self-conceptions of mental health among the aged. Gubrium JF. Ment Hyg 55:398-403, Jul 71
An "identity crisis" in black Americans visiting West Africa. Messer AA. Ment Hyg 55:375-81, Jul 71
Countering defeatism in psychiatric vocational placement. Sturm IE, et al. Ment Hyg 55:230-3, Apr 71
Analyzing the psychotherapist. Templer DI.
Ment Hyg 55:234-6, Apr 71
Hospitalizing the young: is it for their own good? Weiss HH, et al. Ment Hyg 54:498-502, Oct 70
Self-concept research in the mentally retarded: a review of empirical studies. Schurr KT, et al.
Ment Retard 8:39-43, Oct 70
Unlock the door on youth problems: the adolescent from eleven to sixteen years. I. Oberst BB.
Nebr State Med J 56:264-7, Jul 71
Relationships among self-role congruence and nursing experience. Brophy EB.
Nurs Res 20:447-50, Sep-Oct 71
American Academy of Pediatrics Committee on Adoptions. Identity development in adopted children.
Pediatrics 47:948-9, May 71
Relation between spiral aftereffect duration and rod-and-frame test performance in early childhood. Andersson AL, et al.
Percept Mot Skills 32:843-9, Jun 71
Body boundary and stimulus enhancement. Cauthen NR, et al. Percept Mot Skills 32:559-63, Apr 71
Behavior in a mixed motive game as a function of induced self-esteem. Graf RG, et al.
Percept Mot Skills 31:511-7, Oct 70
Perceived fear of being attacked as a function of level of conceptual system development. Greaves G.
Percept Mot Skills 32:894, Jun 71
The narcissometer: an apparatus for quantification of "self-preoccupation". Jaffe J, et al.
Percept Mot Skills 32:9-10, Feb 71
Scale for the appraisal of movement satisfaction. Nelson BA, et al. Percept Mot Skills 31:795-800, Dec 70
Relationship of kinesthetic figural aftereffect to masculinity-femininity and expectation for internal versus external control of reinforcement. Phelan JG, et al. Percept Mot Skills 31:863-6, Dec 70
Perception on self as related to perception of the "ideal personality". Sappenfield BR.
Percept Mot Skills 31:975-8, Dec 70
Further data on effects of aggressive activation and symbiotic merging on ego functioning of schizophrenics. Silverman LH, et al.
Percept Mot Skills 32:93-4, Feb 71
Ego defense, self-concept and image of self ascribed to parents by delinquent boys. Teichman M.
Percept Mot Skills 32:819-23, Jun 71
Some psychological effects of cosmetics. Wright ET, et al. Percept Mot Skills 30:12-4, Feb 70
A case of female transsexualism. Warner GM, et al.
Psychiatr Q 44:576-87, 1970
Freud on feminine identity and female sexuality. Ash M. Psychiatry 34:322-7, Aug 71
The cybernetics of "self": a theory of alcoholism. Bateson G. Psychiatry 34:1-18, Feb 71
On time, death, and immortality. Pollock GH.
Psychoanal Q 40:435-46, 1971
Inner sustainment: the concept. Saul LJ.
Psychoanal Q 39:215-22, 1970
Activity and reality. Bychowski G.
Psychoanal Rev 57:29-46, 1970
Self-reconstitution processes: a preliminary report. Sarbin TR, et al. Psychoanal Rev 57:599-616, Winter 70
Audiotape and videotape self-confrontation in psychotherapy. Bailey KG, et al.
Psychol Bull 74:127-37, Aug 70
Ego boundaries. Landis B. Psychol Issues 6:1-172, 1970
Audiotape self-confrontation in group psychotherapy. Bailey KG. Psychol Rep 27:439-44, Oct 70
Toward the development of a screening scale for assertive training. Bates HD, et al.
Psychol Rep 28:99-107, Feb 71
Effects of video playback of a person on his self-concept. Blount HP, et al.
Psychol Rep 26:867-70, Apr 70
Age differences in self-ratings of confidence. Botwinick J. Psychol Rep 27:865-6, Dec 70
Mobility as a factor in adolescent identity problems. Cohen HA, et al. Psychol Rep 25:775-8, Dec 69
Social desirability, marital satisfaction, and concomitant perceptions of self and spouse. Cone JD.
Psychol Rep 28:173-4, Feb 71
T-group training and self-actualization. Cooper CL.
Psychol Rep 28:391-4, Apr 71
A view of Levonian's remarks on studies of self-esteem and persuasibility. Dabbs JM Jr.
Psychol Rep 27:854, Dec 70
Aspects of alcoholics' self-concepts as measured by the Tennessee Self-Concept Scale. Gross WF, et al.
Psychol Rep 27:431-4, Oct 70
Academic rank, task feedback and self-reinforcement in children. Haynes LE, et al.
Psychol Rep 28:967-74, Jun 71
Social desirability as a variable in the locus of control scale. Hjelle LA. Psychol Rep 28:807-16, Jun 71
Changes in ACL scales corresponding to changes in educational levels. Ivanoff JM, et al.
Psychol Rep 27:359-63, Oct 70
Religious beliefs and self-disclosure. Jennings FL.
Psychol Rep 28:193-4, Feb 71
Neuroticism and extraversion: chronic alcoholics' reports on effects of drinking. Keehn JD.
Psychol Rep 27:767-70, Dec 70
Jesness inventory and self-concept measures for delinquents before and after participation in Outward Bound. Kelly FJ, et al. Psychol Rep 25:719-24, Dec 69
Beliefs about self and others: a test of the dogmatism theory. Lee DE, et al. Psychol Rep 28:919-22, Jun 71
Maslow and the possibility of becoming healthy. Lester D. Psychol Rep 28:777-8, Jun 71
Need for control data in studies of self-esteem and persuasibility. Levonian E.
Psychol Rep 27:527-44, Oct 70
Perception of choice and locus of control. Lewis P, et al.
Psychol Rep 28:67-70, Feb 71
Transparency or pseudo-transparency on the subscales of the Self-perception Inventory. Martin WT.
Psychol Rep 26:401-2, Apr 70
Verbal and non-verbal measures of self-concept among kindergarten boys and girls. Ozehosky RJ, et al.
Psychol Rep 28:195-9, Feb 71
Self-concepts associated with mania and depression. Plutchik R, et al. Psychol Rep 27:399-405, Oct 70
Self-disclosure patterns among adolescents. Rivenbark WH 3d. Psychol Rep 28:35-42, Feb 71
Guilt and self-report of hostility. Schill T, et al.
Psychol Rep 27:713-4, Dec 70
Brief note on the reliability of the Janis and Field "Feelings of Inadequacy" scale. Skolnick P, et al.
Psychol Rep 27:732-4, Dec 70
Self-disclosure and interpersonal trust: an exploratory study. Vondracek FW, et al.
Psychol Rep 28:235-40, Feb 71
Experiments in overcoming self-deception. Murphy G.
Psychophysiology 6:790-9, May 70
Activation states as assessed by verbal report and four psychophysiological variables. Thayer RE.
Psychophysiology 7:86-94, Jul 70
Effects of alcohol intoxication on self-concept. Studies of alcoholics and controls in laboratory conditions. Berg NL. Q J Stud Alcohol 32:442-53, Jun 71
Personality self-descriptions of alcoholics and heavy drinkers. Williams AF, et al.
Q J Stud Alcohol 32:310-7, Jun 71
Addiction as a necessity and opportunity. And EH.
Science 171:151-3, 15 Jan 71
Drug taking in adolescents. Evans J.
Scott Med J 16:369-75, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Value profiles, value-role-taking, and health. Eshleman RF. Soc Sci Med 4:113-30, Jul 70
Social and psychological correlates of drug abuse. A comparison of addict and non-addict populations from the perspective of self-theory. Kaplan HB, et al. Soc Sci Med 4:203-25, Aug 70
Health knowledge and symptom perception: a study of a rural Kentucky county. Smith L Jr, et al. Soc Sci Med 4:557-67, Dec 70
Reputation and self-evaluation as determinants of attractiveness. Jones SC, et al. Sociometry 33:276-86, Sep 70
Social class and self-derogation: a conditional relationship. Kaplan HB. Sociometry 34:41-64, Mar 71 (24 ref.)
Status inconsistency and self-evaluation. Segal DR, et al. Sociometry 33:347-57, Sep 70
A modified scoring procedure for the Machover Draw A Person Test in assessing the self concept of mentally retarded subjects. Stewart JA, et al. Train Sch Bull (Vinel) 67:178-82, Nov 70
[Medical self concept and its transformation in a physician] Giudicelli S. Ann Med Psychol (Paris) 1:592-3, Apr 71 (Fre)
[Self and identity] M'Uzan M de. Rev Fr Psychanal 34:441-51, May 70 (Fre)
[Esthetics and self estimation] Langen D. Cosmetologica 19:179-86, 20 May 70 (Ger)
[Unconscious self-assessment of obese patients] Hedderich G, et al. Dtsch Med Wochenschr 96:784-9, 30 Apr 71 (Ger)
[Self analysis as the ultimate purpose of psychoanalytic therapy] Ticho GR. Psyche (Stuttg) 25:31-43, Jan 71 (Ger)
[The problem of drawing tests in psychiatry especially in regard to self portraits (Face test)] Brade J. Psychiatr Neurol Med Psychol (Leipz) 22:329-38, Sep 70 (Ger)
[Self-assessment, semantics and personality] Ertel S. Psychol Forsch 33:254-76, 1970 (Ger)
[Self rating with a polarity scheme as a criterion for the differentiation of reversible and irreversible organic psychoses] Kinzel W, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:335-46, 1970 (Ger)
[Case study on the outer and inner world of schizophrenics] Holfeld H. Z Psychosom Med Psychoanal 17:51-67, Jan-Mar 71 (Ger)
[Adolescence crises: the role and the mask] Ferraccioli E. G Psichiatr Neuropatol 97:77-92, 1969 (Ita)
[Considerations on self perception and perception of others in adolescent students and apprentices coming from families of workers] Carugati F. Minerva Pediatr 22:2167-70, 3 Nov 70 (Ita)
[Schizophrenia and dysmorphophobias] Vitello A. Osp Psichiatr 38:57-73, Jan-Jun 70 (Ita)
[Psychopathology and persona. Anthropological considerations] Callieri B, et al. Riv Sper Freniatr 93:1251-75, Dec 69 (Ita)
[The psychopathological aspects of consciousness of one's own personal identity] Gentili C. Riv Sper Freniatr 93:7-20, 28 Feb 69 (Ita)
[Schizophrenia--an identity crisis] Wrangsjö B. Lakartidningen 68:2138-44, 28 Apr 71 (Swe)

DRUG EFFECTS

[Effect of different sedatives on the subjective evaluation of feeling depending on sex and personality of the interpreter] Mikus P. Arzneim Forsch 20:1235-8, Sep 70 (Ger)

SELF DISCLOSURE see under SELF CONCEPT (F1)

SELF-HELP DEVICES (E2, E4)

Wheelchair-car transfers for quadriplegics. Deyoe FS, et al. Am Correct Ther J 24:130-2, Sep-Oct 70
The importance of patient training in home hemodialysis. Blagg CR, et al. Ann Intern Med 73:841-7, Nov 70
Device for positioning the lower extremity. Kellor S, et al. Arch Phys Med Rehabil 52:235-6, May 71
Simple adaptations to relaxation chairs. Robinson NK. Can J Occup Ther 37:150-1, Winter 70
Rotary brush. Sackville L. Can J Occup Ther 37:149, Winter 70
The bite-stick denture as an aid in rehabilitation therapy: report of a case. Bramer ML. Dent Dig 77:328-33, Jun 71
Electronic aids for the disabled. Possum Selector Unit Type 1. Hyde CD. Nurs Times 67:371-3, 1 Apr 71
The freedom of the bath. Nurs Times 67:268, 4 Mar 71
Modified raised toilet seat. Bulich BA. Phys Ther 51:916-7, Aug 71
Sliding board with wheelchair attachment. Burns M. Phys Ther 51:301-3, Mar 71
Transfer board with strap hinges. Medeiros JM. Phys Ther 51:918, Aug 71
Scooter chair designed for brain damaged children. Murray JH. Phys Ther 51:81, Jan 71
R. J. chair lift. Myers H. Phys Ther 51:786-7, Jul 71
A specially adapted mobile standing device (surfboard) for spinal cord injury patients. Eagleson HM Jr, et al. Proc Annu Clin Spinal Cord Inj Conf 15:29-36, 7 Nov 66
[Standing board. A possibility in orthopedic and technical care of spastic diplegia] Hörenz W, et al. Beitr Orthop Traumatol 18:232-6, Apr 71 (Ger)
[Ergotherapy in the service of rehabilitation (based on self-help and housekeeping training)] Brun H, et al. Ther Umsch 28:60-8, Feb 71 (Ger)
[A new improved walker] Fukase H, et al. Orthop Surg (Tokyo) 22:505-7, 1971 (Jap)
[Piezoceramic emitter in an echolocator for the blind] Zhavoronkov LM, et al. Nov Med Priborostr 2:69-73, 1969 (Rus)
[Social readaptation of a patient after disabilitative electric burn of hands] Mattsson HS, et al. Nord Med 84:1381, 22 Oct 70 (Swe)

HISTORY

Admiral Horatio Nelson's combined knife and fork. (Nelson H), Bull NY Acad Med 47:1025-7, Aug 71

SELF MEDICATION (E2)

Self-administered medications. Leary JA, et al. Am J Nurs 7:1193-4, Jun 71
The medication monitor for studying the self-administration of oral contraceptives. Moulding T. Am J Obstet Gynecol 110:1143-4, 15 Aug 71
Biological testing for safe O-T-C medications. Brogie RC. Am J Pharm 142:23-8, Jan-Feb 70
A philosophical approach to self-medication. Krantz JC Jr. Am J Pharm 142:5-8, Jan-Feb 70
Distribution aspects in the potential misuse of O-T-C preparations. Myers MJ. Am J Pharm 142:29-36, Jan-Feb 70
O-T-C preparations--an overview of their role, value, and potential for misuse. Poetsch CE. Am J Pharm 142:9-15, Jan-Feb 70
O-T-C preparations--potential for misuse. Rossi V. Am J Pharm 142:3-4, Jan-Feb 70
The control of distribution of O-T-C preparations in Australia. Thomas J. Am J Pharm 142:37-45, Jan-Feb 70
O-T-C preparations--potential for misuse. Panel discussion. Am J Pharm 142:46-60, Jan-Feb 70
Phenothiazine intake and staff attitudes. Irwin DS, et al. Am J Psychiatry 127:1631-5, Jun 71
Therapeutic milieu on continuing care unit. Libow LS, et al. Ann Intern Med 74:638, Apr 71
Supervision of outpatient drug therapy with the medication monitor. Moulding T, et al. Ann Intern Med 73:559-64, Oct 70
Salicylism revisited. Unusual problems in diagnosis and management. Surapathana LO, et al. Clin Pediatr (Phila) 9:658-61, Nov 70
Self-medication for dental pain. Rothwell PS. Dent Pract Dent Rec 20:409-13, Aug 70
Lest we shirk our responsibilities. Griffenhagen GB. J Am Pharm Assoc 10:591, Nov 70
Home relines--where we have failed. Tautin FS. J Prosthet Dent 25:19-20, Jan 71
Parental treatment of children with sore throat. Ross PW. J R Coll Gen Pract 21:296-7, May 71
Self-destructive behavior of uncooperative diabetics. Farberow NL, et al. Psychol Rep 27:935-46, Dec 70
[Complications caused by anonymous preclinical medication] Voelkel A. Arzneim Forsch 20:873-5, Jul 70 (Ger)
[Self medication in a Salgótarján district] Fóris L. Orv Hetil 111:3031-5, 20 Dec 70 (Hun)
[Self-administration of methoxyflurane in obstetric anesthesia] Labrunie GM, et al. Rev Bras Anestesiol 20:206-11, Apr-Jun 70 (Por)
[Organization of laboratory control over the intake of PAS] Moskalev LK, et al. Probl Tuberk 48:82-4, 1970 (Rus)

ADVERSE EFFECTS

[Serious complication caused by an obsolete nonprescription preparation] Naess K. Tidsskr Nor Laegeforen 91:1480-1, 10 Jul 71 (Nor)

SELF MUTILATION (C14, F2)

see also related MALINGERING (F2)

The development of head banging in a young rhesus monkey. Levison CA. Am J Ment Defic 75:323-8, Nov 70
The Lesch-Nyhan syndrome. Dizmang LH, et al. Am J Psychiatry 127:671-7, Nov 70
Substrate stabilization: genetically-controlled reciprocal relationship between two enzymes. Boyle JA, et al. Ann Rheum Dis 30:326-7, May 71
Neuroti excoriations--a quantitative approach to the effect of treatment. Savin JA. Br J Clin Pract 24:451-4, Oct 70
Self-inflicted orbitocranial injury with a plastic ballpoint pen. Bowen DI. Br J Ophthalmol 55:427-30, Jun 71
Self-mutilation during alcohol amnesia: report of a case. Ryback RS. Br J Psychiatry 118:533-4, May 71
Self-mutilation of the female genitalia. (A case report). Goldfield MD, et al. Dis Nerv Syst 31:843-5, Dec 70
The Lesch-Nyhan syndrome. Thorpe WP. Enzyme 12:129-42, 1971
Premature death and self-injurious behavior in old age. Kastenbaum R, et al. Geriatrics 26:71-81, Jul 71
Studies on the adenine phosphoribosyltransferase enzyme in human fibroblasts lacking hypoxanthine-guanine phosphoribosyltransferase. Kelley WN. J Lab Clin Med 77:33-8, Jan 71
Levodopa side-effects and the Lesch-Nyhan syndrome. Proctor P, et al. Lancet 2:1367, 26 Dec 70
Cosmetic improvement of factitial defects. Orentreich N, et al. Med Trial Tech Q 17:172-80, Dec 70
Recording observations of self-injurious behavior. Fielding LT, et al. Ment Retard 9:31-2, Jun 71
Lesch-Nyhan syndrome. Arima M, et al. Paediatr Univ Tokyo 18:25-31, Dec 70
The urinary excretion of aminoimidazolecarboxamide in the Lesch-Nyhan syndrome. Newcombe DS. Pediatrics 46:506-12, Oct 70
Suicide and mutilation behaviors in non-literate societies. Lester D. Psychol Rep 28:801-2, Jun 71
Morsicatio mucosae oris and suctio mucosae oris. An analysis of oral mucosal changes due to biting and sucking habits. Hjorting-Hansen E, et al. Scand J Dent Res 78:492-9, 1970
Lesch-Nyhan syndrome: altered kinetic properties of mutant enzyme. McDonald JA, et al. Science 171:689-91, 19 Feb 71
Lesch-Nyhan syndrome: preventive control. Seegmiller JE. Science 170:1333, 18 Dec 70
Self inflicted injuries of the eye. Brown BZ. Trans Pac Coast Otoophthalmol Soc 51:267-76, 1970
[Severe multiple self-inflicted injuries in a suicidal attempt] Karaivanov M. Khirurgiia (Sofiia) 22:542-3, 1969 (Bul)
[Lesh-Nyhan syndrome. Paralysis cerebralis hyperurinogenica] Lenoch F. Cesk Psychiatr 66:293-300, Oct 70 (9 ref.) (Cze)
[Prehistoric maxillo-dental mutilations] Verger-Pratoucy JC. Bull Group Int Rech Sci Stomatol 13:133-310, Apr 70 (139 ref.) (Fre)
[Paraffinoma of both breasts in a man] Bonvallet JM. Chirurgie 97:190-2, 17 Feb 71 (Fre)
[Death caused by multiple wounds: homicide or suicide?] Arcadio F, et al. Med Leg Domm Corpor (Paris) 4:190-1, Apr-Jun 71 (Fre)
[Voluntary ingestions of foreign bodies in the penitentiary, apropos of 33 cases] Loevenbruck P, et al. Med Leg Domm Corpor (Paris) 3:287-90, Jul-Sep 70 (Fre)
[Voluntary genital mutilation in women] Védrinne J, et al. Med Leg Domm Corpor (Paris) 2:156-7, Apr-Jun 69 (Fre)
[Problems raised by voluntary mutilations in the army] Vauterin C. Rev Corps Sante Armees 11:451-61, Aug 70 (Fre)
[From Lesch-Nyhan disease to primary gout] Ryckewaert A, et al. Rev Eur Etud Clin Biol 15:605-9, Jun-Jul 70 (15 ref.) (Fre)
[Apropos of the psychotherapy of a self-mutilating patient. Essay on the psychoanalytical significance of digital self-mutilation] Montagnier MT. Rev Fr Psychanal 34:697-708, 1970 (Fre)
[Hyperuricemia and gout in childhood (Lesch-Nyhan syndrome)] Kölle G. Med Klin 66:626-30, 23 Apr 71 (Ger)
[Phylogenetic and psychiatric aspects of self mutilation] Haack HP. Psychiatr Neurol Med Psychol (Leipz) 22:247-9, Jul 70 (17 ref.) (Ger)
[Gingival lesions caused by auto-agressive behavior in childhood] Sgarzini L. Ann Stomatol (Roma) 19:575-80, Jul 70 (Ita)
[Custom of dental extraction in Australian natives] Ozaki K. J Jap Dent Assoc 24:368, 1971 (Jap)
[Lesch-Nyhan syndrome] Kill R. Nord Med 85:33, 7 Jan 71 (Nor)
[Traumatic injuries to sex organs] Kościolek E. Pol Przegl Chir 43:1017-21, Jun 71 (Pol)
[Self-inflicted injury: introduction of a foreign body into the bronchial tree] Ponifyński A, et al. Pol Przegl Chir 43:635-7, 1971 (Pol)
[Attempted self mutilation by bloodletting by a 16-year-old girl. Aggravation and simulation of bronchial asthma] Nowak T, et al. Przegl Lek 28:716, 30 Sep 70 (Pol)
[The smoking disease: a self-induced lesion?] Godber GE. Salud Publica Mex 12:293-9, May-Jun 70 (Spa)
[Dynamics of an apparent autoaggressivness in soldiers] Kapor G. Vojnosanit Pregl 28:127-32, Mar 71 (Cro)

COMPLICATIONS

Minor self-injury. Ballinger BR. Br J Psychiatry 118:535-8, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Two examples of purpura factitia. Lovejoy FH Jr, et al. Clin Pediatr (Phila) 10:183-4, Mar 71
Self-mutilative behavior as a feature of the de Lange syndrome. Shear CS, et al. J Pediatr 78:506-9, Mar 71
Inborn terror of metabolism. Vaisrub S. JAMA 214:2186-7, 21 Dec 70

DIAGNOSIS

Detection of females heterozygous for the Lesch-Nyhan mutation by 8-azaguanine-resistant growth of cultured fibroblasts. Felix JS, et al. J Lab Clin Med 77:596-604, Apr 71
Speech difficulties symptomatic of destructive behavior toward self or others. Mehrhof EG, et al. J Nerv Ment Dis 152:63-7, Jan 71
[Psychodynamic processes and interactions in self mutilation] Rechenberger HG, et al. Z Psychother Med Psychol 21:159-62, Jul 71 (Ger)

ENZYMOLOGY

Studies on hypoxanthine-guanine phosphoribosyltransferase in fibroblasts from patients with the Lesch-Nyhan syndrome. Evidence for genetic heterogeneity. Kelley WN, et al. J Biol Chem 246:2953-8, 10 May 71
Purification of IMP:pyrophosphate phosphoribosyltransferases, catalytically incompetent enzymes in Lesch-Nyhan disease. Rubin CS, et al. Proc Natl Acad Sci USA 68:1461-4, Jul 71

FAMILIAL & GENETIC

Studies of skin fibroblasts from 10 families with HGPRT deficiency, with reference in X-chromosomal inactivation. Migeon BR. Am J Hum Genet 23:199-210, Mar 71
Genetic studies of HG- PRT deficiency and the Lesch-Nyhan syndrome with cultured human cells. DeMars R. Fed Proc 30:944-55, May-Jun 71
Lesch-Nyhan syndrome: rapid detection of heterozygotes by use of hair follicles. Gartler SM, et al. Science 172:572-4, 7 May 71
Alteration of purine control mechanisms in patients with the Lesch-Nyhan mutation. Benke PJ. Wis Med J 70:174-5, Jul 71

HISTORY

[Basic bibliography on dental mutilations in prehispanic Mexico] Noguez X. ADM 27:515-6, Nov-Dec 70 (Spa)

OCCURRENCE

A clinical and epidemiologic study morsicatio buccarum-labiorum. Sewerin I. Scand J Dent Res 79:73-80, 1971

PREVENTION & CONTROL

An appliance for autoinduced adverse control of self-injurious behavior. Yeakel MH, et al. J Exp Child Psychol 10:159-69, Oct 70

THERAPY

A follow-up study of wrist slashers. Nelson SH, et al. Am J Psychiatry 127:1345-9, Apr 71

SELF PERCEPTION see under SELF CONCEPT (F1)

SELF STIMULATION (F1)

Self-stimulation enhancement in diabetic rats. Briese E, et al. Acta Physiol Lat Am 20:24-9, 1970
Effects of prolonged water deprivation on hypothalamic self-stimulation. Annau Z, et al. Am J Physiol 220:83-6, Jan 71
Intracranial self-stimulation and impedance as functions of electrode and stimulus source. Bollinger SF, et al. Am J Physiol 220:284-9, Jan 71
Response latencies to auditory stimuli in autistic children engaged in self-stimulatory behavior. Lovaas OI, et al. Behav Res Ther 9:39-49, Feb 71
Conditioned emotional response phenomena and brain stimulation. Haworth JT. Br J Psychol 62:97-103, Feb 71
Central catecholamine turnover and self-stimulation behaviour. Arbuthnott G, et al. Brain Res 27:406-13, 2 Apr 71
Conditioned reinforcement established with intracranial self-stimulation (ICSS). Bruun M. Brain Res 24:548-9, 18 Dec 70
Selection for the readiness to respond to electrical stimulation of the hypothalamus as a reinforcing agent. Lieblich I, et al. Brain Res 27:153-61, 19 Mar 71
Neural systems involved in intracranial self-stimulation. Rolls ET. Brain Res 24:548, 18 Dec 70
The interaction of hypothalamic self-stimulation and temperature regulation. Carlisle HJ, et al. Experientia 26:1092-3, 15 Oct 70
The relation between electrical self-stimulation sites and catecholamine-containing neurons in the rat mesencephalon. Crow TJ. Experientia 27:662, Jun 71
Comparison of ventromedial hypothalamic lesion effects upon feeding and lateral hypothalamic self-stimulation in the female rat. Ferguson NB, et al. J Comp Physiol Psychol 74:263-71, Feb 71
Forebrain pathways of reward in Rattus norvegicus. Routtenberg A. J Comp Physiol Psychol 75:269-76, May 71
Self-administered aversive stimulation with hallucinating hospitalized schizophrenics. Weingaertner AH. J Consult Clin Psychol 36:422-9, Jun 71
Unit activity during self-stimulation behavior. Ito M, et al. J Neurophysiol 34:263-73, Mar 71
Effects of nicotine on self-stimulation in rats. Pradhan SN, et al. J Pharmacol Exp Ther 176:229-43, Jan 71
Preliminary observations on tickling oneself. Weiskrantz L, et al. Nature (Lond) 230:598-9, 30 Apr 71
Prevention of self-licking on mammary gland development in pregnant rats. McMurtry JP, et al. Proc Soc Exp Biol Med 137:354-6, May 71
Effect of sensory isolation upon intracranial self-stimulation by Sprague-Dawley rats. Peretti PO, et al. Psychol Rep 28:863-8, Jun 71
Self-stimulation in utero. Straub MF. Psychol Rep 28:55-63, Feb 71
Self-stimulation of brain by rats: effects on endocrine organs. Tyce FA. Psychol Rep 25:715-8, Dec 69
Activity change as the cause of apparent aversiveness during prolonged hypothalamic stimulation. Hu JW, et al. Science 172:84-6, 2 Apr 71
Possible etiology of schizophrenia: progressive damage to the noradrenergic reward system by 6-hydroxydopamine. Stein L, et al. Science 171:1032-6, 12 Mar 71
[Absence of autostimulation behavior at the level of the parafascicular nucleus in rats] Cardo B, et al. J Physiol (Paris) 1:Suppl 1:99, 1969 (Fre)
[Comparative results of a pharmacological study of autostimulation in hypothalamic and ventral mesencephalic regions] Stinus L, et al. J Physiol (Paris) 63:97A-98A, Mar-Apr 71 (Fre)
[Degree of indifference of the conditioned stimulus: light self stimulation] Myslobodskii MS, et al. Dokl Akad Nauk SSSR 198:978-80, 1971 (Rus)
[Use of electric stimulation of the hypothalamic nuclei system to evoke the effect of self-stimulation in dogs] Lapina IA. Zh Vyssh Nerv Deiat 20:1254-9, Nov-Dec 70 (Rus)
[Electroencephalographic and autonomic correlates of self-stimulation reacttions] Mikhailova NG. Zh Vyssh Nerv Deiat 21:110-8, Jan-Feb 71 (Rus)
[The role of the interrelationships of various elements of the limbic-reticular complex in the self-stimulation reaction] Vorob'eva TM. Zh Vyssh Nerv Deiat 19:680-7, Jul-Aug 69 (Rus)

DRUG EFFECTS

Anticonvulsant drugs and self-stimulation rates in rats. Weinreich D, et al. Arch Int Pharmacodyn Ther 185:269-73, Jun 70

SELLA TURCICA (A2)

Pseudotumor hypophyseos. A case report. Goldzieher JW, et al. Acta Endocrinol (Kbh) 65:617-26, Dec 70
Intrasellar aneurysm and pituitary adenoma: report of a case. Lippman HH, et al. Mayo Clin Proc 46:532-5, Aug 71
Intrasellar abscess simulating pituitary adenoma. Askenasy HM, et al. Neurochirurgia (Stuttg) 14:34-7, Jan 71
[Diencephaloschisis--sellar encephalocele] Kilišek L, et al. Cesk Neurol 33:263-5, Sep 70 (Cze)
["Angioreticuloma" of the sella turcica] Orf G. Acta Neurochir (Wien) 23:63-78, 1970 (Ger)
[On the "empty sella" syndrome. Clinico-radiologic considerations] Fontana C, et al. Ann Radiol Diagn (Bologna) 43:14-21, 1970 (Ita)
[The primary empty sella turcica] Cristi G, et al. Boll Sci Med (Bologna) 142:263-9, Jul-Sep 70 (Ita)
[Clinical aspects, evolutive stages and surgical indications in osteoclastomas of the sella turcica region] Perria L, et al. Minerva Neurochir 13:10-2, 1969 (Ita)
[The diagnostic value of carotid angiography of tumors of the sella turcica area in children] Polianker ZN. Vopr Neirokhir 34:37-40, Nov-Dec 70 (Rus)
[Fundamental principles of the surgical treatment of neoplasms of chiasmal-sellar-diencephalic localization in children] Rostotskaia VI, et al. Vopr Neirokhir 35:9-13, Mar-Apr 71 (Rus)
[The so-called empty sella turcica syndrome] Zozulia IuA, et al. Vopr Neirokhir 35:18-21, Mar-Apr 71 (Rus)

ABNORMALITIES

[A case of the hypophyseal fossa bordering the nasal cavity] Pećina M, et al. Anat Anz 127:32-7, 1970 (Ger)
[Polydysspondylism] Zippel H. Beitr Orthop Traumatol 16:641-50, Nov 69 (Ger)
[Primary empty sella] Andrioli GC, et al. Minerva Neurochir 14:186-91, Apr-Sep 70 (Ita)
[Primary empty sella] Bernasconi V, et al. Minerva Neurochir 14:192-3, Apr-Sep 70 (Ita)

ANATOMY & HISTOLOGY

[Relationship between the volume of the hypophysis and the volume of the sella turcica (radioanatomic study)] Pikulev LA, et al. Arkh Anat Gistol Embriol 59:98-104, Sep 70 (Rus)

INJURIES

[Antehypophyseal deficiency and buckshot in the sella turcica] Durand L, et al. Bull Soc Ophtalmol Fr 69:578-81, May-Jun 69 (Fre)

PATHOLOGY

Epithelial cysts related to sella turcica. Proposed origin from neuroepithelium. Shuangshoti S, et al. Arch Pathol 90:444-50, Nov 70
Modifications of the sella in old age and increased blood-pressure. Bercu G. J Belge Radiol 52:147-51, 1969
[The pathology of the sella region] Hempel KJ. Radiologe 10:425-9, Nov 70 (Ger)

RADIOGRAPHY

Neuroradiological diagnosis of sellar and parasellar lesions. Davis DO. Clin Neurosurg 17:160-88, 1969
Radiologic seminar. CI. Roentgen changes in the sella turcica in pituitary tumors. Conley LM. J Miss State Med Assoc 11:600-1, Nov 70
Alteration in size and configuration of the sella turcica as the result of prolonged cerebrospinal fluid shunting. Kaufman B, et al. Radiology 97:537-42, Dec 70
[Sella turcica--one or many projections?] Kromann I, et al. Nord Med 85:290, 4 Mar 71 (Dan)
[Further cases of so-called empty sella turcicas with neuroophthalmologic signs or rhinorrhea] Metzger J, et al. Rev Neurol (Paris) 123:435-42, Dec 70 (Fre)
[Tomography of sella region in the controlled encephalography in erect position] Keil HJ, et al. Radiologe 10:461-3, Dec 70 (Ger)
[Is too small a sella turcica of clinical significance?] Lorenz R. Radiologe 10:450-1, Nov 70 (Ger)
[Preservation of intrasellar cisternes in negative and positive cisternogramms] Piepgras U, et al. Radiologe 10:463-6, Dec 70 (Ger)
[The parasellar and infrasellar tumors] Psenner L. Radiologe 10:437-40, Nov 70 (Ger)
[Radiographic diagnosis of intrasellar and suprasellar space consuming processes in the native roentgenogram] Tänzer A. Radiologe 10:440-5, Nov 70 (Ger)
[Radiographic method for the determination of the volume of the sella turcica] Rudež V, et al. Rad Med Fak Zagrebu 18:25-33, 1970 (Cro)

SURGERY

I-131 uptake by thyroid of hypophysectomized dogs with salivary gland transplants in the sella turcica. Alvarez-Buylla R, et al. Acta Physiol Lat Am 20:13-9, 1970
Survival comparison between totally hypophysectomized dogs and dogs with a transplant of salivary gland in the place of the extirpated hypophysis. Alvarez-Buylla R, et al. Acta Physiol Lat Am 20:20-3, 1970
Surgery of sellar and parasellar tumors. Fager CA. Clin Neurosurg 17:209-25, 1969
[Intrahypophyseal yttrium 90 implantation in treatment of advanced breast cancer: survey of 300 interventions] Juret P, et al. J Radiol Electrol Med Nucl 50:645-54, Aug-Sep 69 (Fre)
[A meningioma of the sella turcica, subdiaphragmatic variety. Exeresis through the transsphenoidal route] Hardy J, et al. Neurochirurgie 15:535-43, Dec 69 (Fre)
[Transfrontal exposure of the sellar region] Ruf H. Dtsch Med Wochenschr 95:2233-6, 30 Oct 70 (Ger)

SEMANTIC DIFFERENTIAL (E1, F1, F3)

Alterations in consciousness in neutral hypnosis: distortions in semantic space. Kihlstrom JF, et al. Am J Clin Hypn 13:243-8, Apr 71
Young offenders' images of self and surroundings: a semantic enquiry. Bhagat M, et al. Br J Psychiatry 117:381-7, Oct 70
Extreme responses of psychiatric patients on the semantic differential: an explanation for discrepant findings. Love HG. Br J Soc Clin Psychol 10:193, Jun 71
Developmental changes in semantic interpretation of ambiguous words. Watt NF. J Abnorm Psychol 77:332-9, Jun 71
Semantic differential judgments of single and multiple conditioned stimuli with an aversive delay

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

conditioning paradigm. Bobbitt RG, et al.
J Exp Psychol 89:398-402, Aug 71
A semantic differential study of the Yin-Yang symbol. Craddick RA, et al. J Pers Assess 35:338-43, Aug 71
A Semantic Differential investigation of sexually symbolic concepts: Freud and Jung. Althouse RH.
J Proj Tech Pers Assess 34:507-12, Dec 70
A further investigation of sexually symbolic concepts using the semantic differential technique. Archer GS, et al. J Proj Tech Pers Assess 34:369-72, Oct 70
Reply to Archer and Burgess on their investigation of symbolic concepts using the semantic differential technique. Craddick RA, et al.
J Proj Tech Pers Assess 34:373-4, Oct 70
Frigidity: a factor analytic study of a psychosomatic theory. Paulson MJ, et al.
Psychosomatics 11:112-9, Mar-Apr 70
A study of the concept of change at work for senior hospital staff, via the semantic differential technique. Burnand G. Soc Sci Med 3:627-37, Apr 70
[Self-assessment, semantics and personality] Ertel S.
Psychol Forsch 33:254-76, 1970 (Ger)

SEMANTICS (L)

Every careless word that men utter. II. The language of science. DeBakey L.
Anesth Analg (Cleve) 49:827-34, Sep-Oct 70
Some psychoanalytic research into the communication of meaning through language: the quality and magnitude of psychological states. Gottschalk LA.
Br J Med Psychol 44:131-47, Jun 71
Conditioning of affective self-references as a function of semantic meaning of verbal reinforcers. Hekmat H, et al. J Abnorm Psychol 76:427-33, Dec 70
Nonfluency, information, and word length. Lanyon RI, et al. J Abnorm Psychol 76:93-7, Aug 70
The physiological response to the communication modes: reading, listening, writing, speaking, and evaluating. Crane LD, et al.
J Commun 20:231-40, Sep 70
Discrimination as a factor in semantic generalization. Cramer P. J Exp Psychol 87:396-400, Mar 71
The operant conditioning of awareness. Miller AW Jr, et al. J Gen Psychol 83:169-77, Oct 70
Impression value, instructional set, and methods of stimulus presentation as factors influencing control subjects in verbal conditioning. Smith RC, et al.
J Gen Psychol 82:263-4, Apr 70
Why not pivot grammar? Bloom L.
J Speech Hear Disord 36:40-50, Feb 71
A medical idioticon. Reflections of a lexicographer.
Lancet 1:1234, 12 Jun 71
The semantics of sentence subjects. Clark HH, et al.
Lang Speech 14:34-46, Jan-Mar 71
Structural apperception in the absence of syntactic constraints. Tikofsky RS, et al.
Lang Speech 13:240-53, Oct-Dec 70
Syntactic form and semantic function. Greene JM.
Q J Exp Psychol 22:14-27, Feb 70
Communication and neurosis: semantic components in neurotic verbal communications. Veron E, et al.
Soc Sci Med 4:75-96, Jul 70

HISTORY

Hippus. Semantic and historic considerations of the word. Thompson HS, et al.
Am J Ophthalmol 71:1116-20, May 71

SEMEN (A12)

see also related
SPERMATOZOA (A11)

Atypical cells in spermatocele fluid. Wentworth P, et al. Acta Cytol (Baltimore) 15:210-1, May-Jun 71
Artificial insemination of beagle bitches with freshly collected, liquid-stored, and frozen-stored semen. Gill HP, et al. Am J Vet Res 31:1807-13, Oct 70
Inhibition of transfer RNA methylases by bull semen. I. Localization, identification and properties of the inhibitor. Sheid B, et al.
Biochim Biophys Acta 224:382-90, 14 Dec 70
Inhibition of Novikoff ascites cell transplantation by a polysaccharide component in bull seminal plasma. Sheid B. Experientia 27:691-2, Jun 71
Certain components of the seminal fluid without the secretion of the seminal vesicle. Molnar J, et al.
Fertil Steril 22:462-7, Jul 71
Hormonal dependence of lysibility of chicken erythrocytes by bovine seminal plasma. Petrovský E, et al. Folia Biol (Praha) 17:61-4, 1971
Simplified artificial vagina for collection of rabbit semen for experimental use. Venkataswami V.
Indian Vet J 47:1134-5, Dec 70
Effects of 72-hour heat stress on semen quality in boars. McNitt JI, et al. Int J Biometeorol 14:373-80, Dec 70
A modified equine artificial vagina for the collection of gel-free semen. Ellery JC.
J Am Vet Med Assoc 158:765-6, 15 Mar 71
The collection of semen from Aberdeen Angus bulls by massage of intrapelvic organs. Goodwin DE.
J Am Vet Med Assoc 157:831-3, 15 Sep 70
Ejaculation and ejaculate characteristics of Angoni (Short Horn Zebu) bulls. Igboeli G, et al.
J Reprod Fertil 26:183-7, Aug 71
Semen on the Ceylon elephant, Elephas maximus. Jainudeen MR, et al. J Reprod Fertil 24:213-7, Feb 71
Dependence of primary and secondary sex ratio on the rapidity of sedimentation of bull semen. Krzanowski M. J Reprod Fertil 23:11-20, Oct 70
The melanizing activity of the semen of buffalo bulls and its relation to the proportion of liver spermatozoa. Pant KP, et al. J Reprod Fertil 25:103-5, Apr 71
Fertility of frozen rabbit semen. Stranzinger GF, et al.
J Reprod Fertil 24:111-3, Jan 71
Recent progress in the deep-freeze preservation of boar semen. Wilmut I, et al.
J Reprod Fertil 25:301-2, May 71
Semen evaluation in the Beagle dog. Heywood R, et al.
J Small Anim Pract 12:343-6, Jun 71
Microlymphocyte transformation studies with seminal antigen. I. Technique and patterns of responsiveness to autologous and allogeneic semen from normal and infertile male subjects. Mumford DM, et al.
J Urol 105:858-62, Jun 71
Semen examinations after vasectomy. Temple JG, et al.
Lancet 2:1258, 12 Dec 70
Inhibitory effect of human seminal plasma on the oxygen consumption of mitochondria. Eliasson R.
Life Sci [II] 10:407-9, 8 Apr 71
Non-enzymatic hydrolysis of transfer RNA by bull semen. Sheid B, et al. Life Sci [II] 10:919-25, 22 Aug 71
Hemospermia. Talarico RD.
Mod Treat 7:1033-5, Sep 70 (2 ref.)
Effect of semen quality on fertility in turkeys. Brown KI, et al. Poult Sci 50:295-7, Jan 71
Effect of osmotic pressure of semen extenders on the fertility and hatchability of turkey eggs. Graham EF, et al. Poult Sci 50:836-8, May 71
Fertilizing capacity of frozen boar semen following surgical insemination. Polge C, et al.
Vet Rec 87:424-9, 10 Oct 70
Survival and fertilising capacity of boar semen following freezing by the pellet method. Sciamon S, et al. Vet Rec 88:209, 20 Feb 71
[Deep freezing of boar semen] Rohloff D, et al.
Berl Munch Tieraerztl Wochenschr 84:330-2, 1 Sep 71 (Ger)
[Studies on collection and deep-freeze preservation of semen from the epididymis of boars] Grove D, et al.
Dtsch Tieraerztl Wochenschr 75:35-8, 15 Jan 68 (Ger)
[Freezing bull semen in pellet form: marking of the pellets] Leipnitz C.
Dtsch Tieraerztl Wochenschr 74:257-9, 15 May 67 (Ger)
[Sperm pelletization] Schwerdtner H.
Monatsh Vet Med 26:432-7, 1 Jun 71 (Ger)
[Heterologous artificial insemination] Glatthaar E.
Schweiz Med Wochenschr 101:489-94, 10 Apr 71 (44 ref.) (Ger)
[The influence of human sperm upon the pyrogenic and hemagglutinating properties of influenza viruses] Grossgebauer K, et al.
Zentralbl Bakteriol [Orig] 217:4-13, May 71 (Ger)
[A factor increasing the quality of ram sperm] Malikov DI, et al. Veterinariia 12:79-81, Dec 70 (Rus)
[Medium for dilution and storage of boar sperm (results of industrial trials)] Silaeva MV.
Veterinariia 12:81-3, Dec 70 (Rus)

ANALYSIS

Immunoelectrophoretic analysis (IEA) of bull semen plasma (BSP). Balbierz H, et al.
Arch Immunol Ther Exp (Warsz) 18:537-42, 1970
Acid-soluble phosphorus compounds in mammalian semen. Brooks DE. Biochem J 118:851-7, Aug 70
The presence of two aminopeptidases in the ram seminal fluid. Suska-Brzezińska E.
Bull Acad Pol Sci [Biol] 18:523-5, 1970
Electrical resistance and levels of fructose, DNA and ascorbic acid in semen of chronic alcoholics. Semczuk M, et al. Bull Pol Med Sci Hist 14:86-8, Apr 71
Changes in the protein concentration of chicken seminal plasma after rapid freeze-thaw. Harris GC Jr, et al. Cryobiology 7:209-15, Nov-Dec 70
Phosphorylcholine: a tumour-inhibitory substance extracted from seminal plasma. Stein-Werblowsky R.
Eur J Cancer 6:445-51, Oct 70
Variation due to freezing in the citric acid content of human semen. Ackerman DR.
Fertil Steril 22:58-60, Jan 71
Properties of a human seminal plasma inhibitor for trypsin. Hirschhäuser C, et al.
Fertil Steril 22:360-6, Jun 71
Seminal fluid and spermatozoon zinc levels and their relationship to human spermatozoon motility. Janick J, et al. Fertil Steril 22:573-80, Sep 71
Pituitary gonadotrophins (follicle-stimulating hormone and interstitial cell-stimulating hormone) and seminal vesicular fructose after long-term vasectomy in bulls. Rakha AM, et al.
Fertil Steril 22:581-3, Sep 71
Chemical analysis of ejaculates from patients with cystic fibrosis. Rule AH, et al.
Fertil Steril 21:515-20, Jun 70
Statistical evaluation of relationships between plasma testosterone and seminal fructose. Dondero F, et al.
Folia Endocrinol (Roma) 23:559-65, Oct 70
A preliminary study on semen lipids of farm animals by thin layer chromatography (TLC). Rattan PJ, et al.
Indian Vet J 48:570-1, Jun 71
Seminal fructose as an indicator of androgenic activity: critical analysis. Moon KH, et al.
Invest Urol 8:373-6, Jan 71
Semen analysis. Dressler O.
J Am Osteopath Assoc 70:1312, Aug 71
Differentiation of semen from Bos bubalus and Bos taurus indicus by starch gel electrophoresis. Banerjee AK, et al. J Anim Sci 32:1212-5, Jun 71
The identification of seminal stains by immunodiffusion on cellulose acetate. Thornton JI, et al. J Forensic Sci 13:262-6, Apr 68
Seminal carbohydrate in boar and stallion. Baronos S.
J Reprod Fertil 24:303-5, Feb 71
The bound carbohydrate of bovine seminal plasma. Baronos S. J Reprod Fertil 25:219-24, May 71
Examination of bull semen and of the bull and rabbit testis for the presence of creatine phosphate and arginine phosphate. Brooks DE.
J Reprod Fertil 26:275-8, Aug 71
The importance of centrifugal force in determining semen characteristics. Garbers DL, et al.
J Reprod Fertil 25:439-41, Jun 71
Major cations in the semen of Angoni (short-horn Zebu) bulls. Igboeli G, et al.
J Reprod Fertil 24:377-81, Mar 71
The macromolecular component of the palm-leaf-like crystals in dried samples of rabbit seminal plasma. Kihlström JE. J Reprod Fertil 26:337-41, Sep 71
Fructose content of mouse ejaculates recovered from the uterus after mating. Marchlewska-Koj A.
J Reprod Fertil 25:81-4, Apr 71
Electrophoretic and gel filtration behaviour of boar seminal plasma proteins before and after removal of accessory sex glands. Schellpfeffer DA, et al.
J Reprod Fertil 23:291-8, Nov 70
Identification of semen by thin-layer chromatography in legal medicine. Yano M.
Jap J Leg Med 24:331-9, Jul 70
Semen examinations after vasectomy. Smith JC.
Lancet 1:38, 2 Jan 71
ABO grouping studies of human seminal stains on fabrics. Sinnapa S, et al.
Med J Malaya 24:278-86, Jun 70
Macromolecular inhibitor of fertilization in rabbit seminal plasma. Davis BK.
Proc Nati Acad Sci USA 68:951-5, May 71
Studies on the seminal picture of simmental, friesian and balady bulls in Egypt. Afiefy MM, et al.
Zentralbl Veterinaermed [A] 18:225-9, May 71
Studies on chemical constituents of bull semen. IV. Semen cholesterol in normal and PMSG treated bulls. Mathur BS, et al.
Zentralbl Veterinaermed [A] 18:447-51, Jul 71
[Study of the ionic content of spermatic plasma (sodium, potassium, calcium, magnesium and chlorine ions] Genov D, et al.
Akush Ginekol (Sofiia) 9:149-52, 1970 (Bul)
[Identification of human sperm spots] Evrev T.
Med Leg Domm Corpor (Paris) 4:30-4, Jan-Mar 71 (Fre)
[Biological studies in male sterility] Haour P.
Rev Lyon Med 19:Suppl:31-3, 1970 (Fre)
[Nucleic acids and their distribution in human sperm] Zimmermann H, et al.
Dermatol Monatsschr 156:97-107, 1970 (Ger)
[Arboraceous crystal in air-dried human seminal fluid] Komatz Y, et al. Acta Urol Jap 17:198-205, Mar 71 (Jap)
[Calcium and phosphorus content of whole sperm and sperm plasma in healthy men of various ages] Nemushkin VV.
Akush Ginekol (Mosk) 46:66-7, Feb 70 (Rus)
[Possibility of detecting sperm, urine, saliva and perspiration in washed and ironed-over stains. 2. Detection of urine, saliva and perspiration in washed stains. Detection of excretions in ironed-over stains] Barsegiants LO.
Sud Med Ekspert 13:45-8, Jul-Sep 70 (Rus)
[Possibility of detecting semen, urine, saliva and sweat stains that were washed and ironed. I. Detecting semen in washed stains] Barsegiants LO.
Sud Med Ekspert 13:21-5, Apr-Jun 70 (Rus)
[Characteristics of the amino acid composition of seminal plasma in fertile and sterile males of different ages] Akunts KG, et al.
Urol Nefrol (Mosk) 35:33-5, Nov-Dec 70 (Rus)

CYTOLOGY

Meiotic studies of the ejaculated seminal fluid of humans with normal sperm count and oligospermia. Sperling K, et al. Nature (Lond) 232:481, 13 Aug 71
Boar semen sampling by electro-ejaculation. Fraser AF. Vet Rec 88:208-9, 20 Feb 71
Scanning and transmission electron microscopy of human ejaculate spermatozoa with special reference to their abnormal forms. Fujita T, et al.
Z Zellforsch Mikrosk Anat 105:483-97, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DRUG EFFECTS

The effect of amylase, catalase, and a decapacitating preparation on fertility of bull semen diluted in ambient temperature extender. Macmillan KL. Aust J Biol Sci 23:691-5, Jun 70
In vitro prevention of lysis in human ejaculation. Bhattacharya BC. Indian J Exp Biol 8:75-7, Apr 70
Studies on bovine semen diluted with illini variable temperature diluent. (Effect of storage temperature and addition of ascorbic acid). Ulaganathan V. Indian Vet J 47:1059-66, Dec 70
The contraceptive action of impeding oestrogens. V. Contraceptive action of oestriol through seminal transfer during mating. Scublinsky A, et al. J Reprod Fertil 26:361-2, Sep 71
[Effect of the anti-androgen Cyproterone on ejaculate findings and sperm prostaglandins in young men] Sturde HC.
Arch Dermatol Forsch 241:86-95, 1971 (Ger)
[Study of the seminal fluid in subjects treated with methotrexate] De Luca M, et al.
G Ital Dermatol 46:247-9, Jun 71 (Ita)

ENZYMOLOGY

The effects of inhibitors and activators on the activity of acid phosphatase in seminal fluid of rabbits in the pH range 5.1--6.5. Wikström C, et al.
Acta Chem Scand 25:443-50, 1971
The significance of age for the phosphatase activity of seminal fluid. Wikström C.
Acta Physiol Scand 80:426-7, Nov 70
Kinetic properties of bull semen NAD glycohydrolase. Zervos C, et al.
Biochim Biophys Acta 220:636-8, 16 Dec 70
Distribution of glutamic oxalacetic transaminase and lactic dehydrogenase activities in boar semen after cold shock and freezing. Pursel VG, et al. Cryobiology 7:141-4, Sep-Oct 70
Bull semen nicotinamide adenine dinucleotide nucleosidase. I. Purification and properties of the enzyme. Yuan JH, et al.
J Biol Chem 246:2111-5, 10 Apr 71
Acid phosphatase. Its significance in the determination of human seminal traces. Walther G.
J Forensic Med 18:15-7, Jan-Mar 71
Electrophoretic studies of esterases of bull spermatozoa, cytoplasmic droplets and seminal plasma. Meizel S, et al.
J Histochem Cytochem 19:226-31, Apr 71
Hyaluronidase in human semen and sperm suspensions subjected to temperature shock and to freezing. Ackerman DR. J Reprod Fertil 23:521-3, Dec 70
Inhibition of fertilization in vivo by pancreatic and seminal plasma trypsin inhibitors. Zaneveld LJ, et al. J Reprod Fertil 25:387-92, Jun 71
Demonstration of muramidase (lysozyme) in human seminal plasma. Hirschhäuser C, et al.
Life Sci [II] 10:333-5, 22 Mar 71
Influence of human seminal proteases on vascular permeability. Suominen JJ, et al.
Nature [New Biol] 232:90-1, 21 Jul 71
[New electrorheophoresis technic applied to the identification of the specific enzyme of human sperm] Darwiche Z, et al.
Med Leg Domm Corpor (Paris) 3:407-12, Oct-Dec 70 (Fre)
[Immunological characterization of the carboxylesterases of human seminal plasma and the urogenitary organs] Herrmann WP, et al.
Arch Klin Exp Dermatol 238:120-34, 1970 (Ger)
[Immunoelectrophoretic study of alpha-naphthyl acetate-specific esterase in human sperm plasma] Ewrew T.
Z Klin Chem Klin Biochem 8:504-6, Sep 70 (Ger)
[Gel filtration of NAD-glycohydrolase from human seminal fluid] Grasso G, et al.
Boll Soc Ital Biol Sper 46:890-1, 15 Nov 70 (Ita)

IMMUNOLOGY

The antigens of seminal vesicle and seminal plasma. Shulman S, et al. Fertil Steril 21:794-801, Nov 70
Catfish antibodies to blood group substances. I. Response of the Australian freshwater catfish, Tandanus tandanus (Mitchell), to the injection of human A, B and H secretor materials. Baldo BA, et al.
Immunology 20:853-69, Jun 71
Effect of antihyaluronidase antibody on reproduction in rabbit. Bhattacharya BC.
Indian J Exp Biol 8:78-80, Apr 70
Immunoelectrophoretic analysis of human seminal plasma fractions after fractionation by various methods. Li TS, et al. Int J Fertil 16:87-100, Apr-Jun 71
Immunization of human female with human sperm and semen. Otani Y, et al. Int J Fertil 16:19-23, Jan-Mar 71
Studies on the secretory immunologic system of fowl. I. Presence of immunoglobulins in chicken secretions. Leslie GA, et al. J Immunol 106:1441-6, Jun 71
Examination of the semen and erythrocytes of seven species for immunological cross-reaction. Baldo BA, et al. J Reprod Fertil 24:391-401, Mar 71
Immuno-electrophoretic analysis of human cervical mucus and seminal plasma with an antiserum to cervical mucus. De Fazio SR, et al.
J Reprod Fertil 25:11-9, Apr 71
Incidence of immunoglobulins in fluids of the rabbit genital tracts and the distribution of IgG-globulin in the tissues of the female tract. Symons DB, et al. J Reprod Fertil 24:55-62, Jan 71
Autospermagglutinins in the semen of an infertile man. Boettcher B, et al. Med J Aust 1:799-800, 10 Apr 71
Use of polynucleotides with seminal antigens to induce isoantibodies and infertility in rabbits. Menge AC. Proc Soc Exp Biol Med 135:108-12, Oct 70
[Studies of immunologic influences on fertility in rabbits] Hilfrich HJ, et al.
Arch Gynaekol 210:293-302, 1971 (Ger)
[Hemagglutinating activity of human ejaculate samples] Grossgebauer K, et al.
Arch Hyg Bakteriol 154:163-6, Oct 70 (Ger)
[Antigenic differentiation of sperm components (literature review)] Masis TM.
Sud Med Ekspert 13:29-31, Oct-Dec 70 (Rus)

METABOLISM

The excretion of radioiodine in human semen. Mroueh AM. Fertil Steril 22:61-3, Jan 71
Incorporation of (U-14C)palmitic acid into the phospholipids of bovine semen. Neill AR, et al. J Reprod Fertil 24:295-7, Feb 71
The effect of semen on motility of the chicken oviduct. Verma OP, et al. Poult Sci 50:199-203, Jan 71
[Biochemistry of human seminal fluid. II. Fructose in the seminal fluid of pathologic subjects] Dondero F, et al. Folia Endocrinol (Roma) 23:551-8, Oct 70 (Ita)

MICROBIOLOGY

Some characteristics of viruses isolated from bull semen and their possible pathogenicity. Branny J, et al. Br Vet J 127:88-92, Feb 71
A method for the collection of bovine seminal vesicle secretions for microbiologic examination. Parsonson IM, et al. J Am Vet Med Assoc 158:175-7, 15 Jan 71
Bacterial content of semen, collected by artificial vagina, from bulls that evert the preputial epithelium. Meredith MJ. Vet Rec 87:122-4, 1 Aug 70
[Bacteriological studies of human ejaculates] Grossgebauer K, et al.
Arch Hyg Bakteriol 154:158-62, Oct 70 (Ger)
[Isolation and typing of ECBO viruses from the sperm and serum of bulls] Khristov S, et al.
Veterinariia 1:114-5, Jan 71 (Rus)
[The influence of the pre-ejaculatory secretion on the quality of bovine sperm] Stoianov T, et al.
Veterinariia 1:117-8, Jan 71 (Rus)
[Method of estimating trichomonads in cultures] Sunaifkin AA. Veterinariia 10:115-6, Oct 70 (Rus)

PHYSIOLOGY

[Relationship between seminal characteristics and fertilization capacity] Duijn C van Jr.
Dtsch Tieraerztl Wochenschr 78:134-9, 15 Feb 71 (Ger)

SECRETION

The effect of local heating on the flow and composition of rete testis fluid in the conscious ram. Setchell BP, et al. J Reprod Fertil 24:81-9, Jan 71

SEMICARBAZIDES (D2)

The effect of lathyrogens on developing midfacial structures in the rat. Stivers FE, et al.
J Surg Res 11:415-20, Aug 71

ADMINISTRATION & DOSAGE

[6 cases of necrotic radiation-induced skin ulcer treated with local application of adrenochromosemicarbazone sulfonic ester (EMEX)] Salati O, et al.
Radiobiol Radioter Fis Med 24:258-76, Jul-Aug 69 (Ita)

ADVERSE EFFECTS

[On the teratogenic action of semicarbazide. Role of vitamin B 6 and biogenous amines] Stoll R, et al.
C R Soc Biol (Paris) 164:1011-3, 1970 (Fre)
[Change in vital dye reabsorption in venous insufficiency of the legs induced by a vasoactive and vasoprotective drug] Rizzi B, et al.
Minerva Cardioangiol 19:216-27, Apr 71 (Ita)

CHEMICAL SYNTHESIS

[Synthesis and some conversions of 1-isothiosemicarbazidoacetyl-S-carboxymethylisothio-semicarbazide] Pleshn'ov VI, et al. Farm Zh 25:75-6, 1970 (Ukr)

PHARMACODYNAMICS

Comparative psychopharmacologic investigation of cryogenine, certain non-steroid anti-inflammatory compounds, lupin alkaloids and cyproheptadine. Nucifora TL, et al.
Arch Int Pharmacodyn Ther 191:345-56, Jun 71
The effect of semicarbazide on the nature and stability of collagen fibrils. Ayad S, et al.
Biochem J 118:61-5, Jun 70
Some effects of feeding lathyrogens to laying fowls. Bannister DW, et al. Br Poult Sci 12:129-36, Jan 71
The influence of methallibure (ICI 33,828) on serum and pituitary thyroid-stimulating hormone levels in the rat. Bourke JR, et al. J Endocrinol 49:569-72, Apr 71
The comparative effects of various hydrazides on -aminobutyric acid and its metabolism. Wood JD, et al.
J Neurochem 18:1017-25, Jun 71
[Pharmacology and pharmacodynamics of a hypoglycemic sulfonamide very active on insulin secretion and the neogenesis of beta cells of pancreatic Langerhans islets] Loubatières A, et al.
C R Acad Sci [D] (Paris) 271:1446-7, 19 Oct 70 (Fre)
[Co-teratogenic action of antithyroid agents in the chick embryo] Stoll R, et al.
C R Soc Biol (Paris) 164:546-8, 1970 (Fre)
[Adrenochrome semicarbazone sulfonic ester and capillary fragility] Cristofolini M, et al.
Clin Ter 48:557-62, 31 Mar 69 (Ita)
[Survival of xenoplastic transplants in anurous amphibia by treatment with semicarbazide] Alonso M, et al. Rev Esp Fisiol 26:331-4, Dec 70 (Spa)
[Effect of adrenaline and adrenoxyl on the content of coenzyme acylation in some organs in albino rats] Shebeko GS. Ukr Biokhim Zh 42:596-9, 1970 (Ukr)

POISONING

[Metabolic disorders in connective tissue in experimental osteolathyrism (review of foreign literature)] Balaba TIa, et al.
Ortop Travmatol Protez 31:77-82, Nov 70 (111 ref.) (Rus)

THERAPEUTIC USE

Treatment of massive upper gastrointestinal hemorrhage with carbazochrome salicylate. De Rosa E. Int Surg 54:428-31, Dec 70
[Preventive treatment of hemorrhages in dentistry. B-naphthoquinone monosemicarbazone] Lambert A, et al. Acta Stomatol Belg 67:365-78, 1970 (Fre)

SEMICIRCULAR CANALS (A9)

ANATOMY & HISTOLOGY

The dimensions and sensitivities of semicircular canals. Kate JH ten, et al. J Exp Biol 53:501-14, Oct 70
[In vivo and scanning electron microscopic observations of the semicircular ampulla] Harada Y.
J Otolaryngol Jap 74:1036-9, 1971 (Jap)

CYTOLOGY

The attachment of the cupulae, otolith and tectorial membranes to the sensory cell areas. Dohiman GF.
Acta Otolaryngol (Stockh) 71:89-105, Feb-Mar 71
Light micriscopic observations of the sensory epithelium of the crista ampullaris in the guinea pig. Watanuki K, et al.
Ann Otol Rhinol Laryngol 80:450-4, Jun 71
Surface structure of the ampulla of the semicircular canal in the guinea pig. Watanuki K, et al.
Pract Otorhinolaryngol (Basel) 32:137-48, 1970
[In vivo and scanning electron microscopic observations of the semicircular ampulla] Harada Y.
J Otolaryngol Jap 74:1036-9, 1971 (Jap)

DRUG EFFECTS

[Inhibitory action of streptomycin on frog ampullar receptors] Rapuzzi G, et al.
Boll Soc Ital Biol Sper 46:420-3, 30 Apr 70 (Ita)
[Influence of streptomycin and dihydrostreptomycin on the isolated ampullar receptors of the frog] Harada Y. Hiroshima J Med Sci 19:125-35, Sep 70 (Ita)

EMBRYOLOGY

The relationship of the developing inner ear, subarcuate fossa and paraflocculus in the rat. McClure TD, et al. Am J Anat 130:235-49, Feb 71
The development of the sensory epithelium of the cristae ampullares in the rabbit. Nakai Y.
Pract Otorhinolaryngol (Basel) 32:268-78, 1970

INNERVATION

[Demonstration of labyrinth projections at the motor cortex level by electric stimulation of the nerve issuing from the ampoule of the cat horizontal semicircular canal] Hanus M, et al.
Arch Int Physiol Biochim 79:177-9, Jan 71 (Fre)
[Influence of the utricle and efferent vestibular activity on spontaneous afferent activity of the nerves of the horizontal canal and anterior vertical canal in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the frog] Caston J.
J Physiol (Paris) 62:407-20, Sep-Oct 70 (Fre)

PHYSIOLOGY

The effect of semicircular cana stimulation during tilting on the subsequent perception of the visual vertical. Stockwell CW, et al.
Acta Otolaryngol (Stockh) 70:170-5, Sep 70
Single semicircular canals and Deiter's nucleus. Desole C, et al. Arch Int Physiol Biochim 78:153-6, Feb 70
The otoliths and the ocular countertorsion reflex. Nelson JR, et al. Arch Otolaryngol 94:40-50, Jul 71
An electrokinetic model of transduction in the semicircular canal. O'Leary DP.
Biophys J 10:859-75, Sep 70
Response of semicircular canal dependent units in vestibular nuclei to rotation of a linear acceleration vector without angular acceleration. Benson AJ, et al.
J Physiol (Lond) 210:475-94, Sep 70
Characteristics of neural transmission from the semicircular canal to the vestibular nuclei of cats. Jones GM, et al. J Physiol (Lond) 209:295-316, Aug 70
Psychophysiologic responses to rotary motions. Johnson RE Jr, et al.
Res Q Am Assoc Health Phys Educ 41:489-95, Dec 70
[Efferent activity of ampullar nerves obtained by stimulation of the horizontal semicircular canals in frogs] Caston J.
J Physiol (Paris) 62:Suppl 3:356, 1970 (Fre)
[The vestibular threshold during stimulation of the horizontal semicircular canals; a study during flying stationary and spiral turns] Clément P, et al.
Rev Laryngol Otol Rhinol (Bord) 92:262-70, May-Jun 71 (Fre)
[The dependance of thermic nystagmus on temperature changes in the horizontal semicircular canals] Kleinfeldt D, et al.
Acta Otolaryngol (Stockh) 70:136-41, Aug 70 (Ger)
[Movement of the capula of the semicircular apparatus by rotatory stimulation in the pigeon] Kuwashima R.
J Otolaryngol Jap 74:755-66, Apr 71 (Jap)
[Interaction of the semicircular canals and otoliths] Kisliakov VA, et al.
Fiziol Zh SSSR 56:1731-44, Dec 70 (Rus)
[Direction of inertial shift of endolymph in the semicircular canals during rotation with head mvements in the frontal plane] Solodovnik FA, et al.
Izv Akad Nauk SSSR [Biol] 3:337-47, May-Jun 70 (Rus)
[Direction of endolymph shift in the semicircular canals during rotation of humans with head inclinations in the sagittal plane] Solodovnik FA.
Izv Akad Nauk SSSR [Biol] 1:60-8, Jan-Feb 71 (Rus)

RADIOGRAPHY

[Transparent semicircular canals in Schüller's radiography] Pirsig W, et al.
Z Laryngol Rhinol Otol 49:332-8, May 70 (Ger)

SEMILUNAR BONE (A2)

[Results of intracarpal arthrodesis in the treatment of semilunar bone necrosis] Fenollosa J, et al.
Rev Chir Orthop 56:745-54, Dec 70 (Fre)
[Lengthening of the ulna in the treatment of Kienböck's disease. Long-term results. Apropos of 10 cases] Sommelet J, et al.
Rev Chir Orthop 56:731-43, Dec 70 (Fre)
[Pathological and clinical study on Kienboeck's disease] Inoue T.
J Jap Orthop Assoc 44:1035-61, Dec 70 (Jap)
[Functional state of the nerves and muscles of the upper extremity in aseptic necrosis of the semilunar bone of the wrist (Kienboeck's disease)] Cherkasova TI, et al. Ortop Travmatol Protez 32:34-9, Apr 71 (Rus)

INJURIES

Recurrent perilunar subluxation. Stark WA.
Clin Orthop 73:152, Nov-Dec 70
Radial perilunar dislocation. Report of a case. Shaw JC, et al. J Bone Joint Surg [Am] 52:556-8, Apr 70
[Remote results of treatment of perilunar dislocations of the hand and dislocations of the wrist semilunar bone] Oleshko NA, et al.
Ortop Travmatol Protez 32:27-30, Apr 71
[Therapy and follow-up results of luxations of the os lunatum] Voorhoeve A.
Arch Orthop Unfallchir 71:1-5, 1971 (Ger)
[Is the healing of malacia of the semilunar bone possible?] Andreesen R.
Monatsschr Unfallheilkd 73:493-502, Nov 70 (Ger)
[Peri-lunar dislocation] Inoue H, et al.
Orthop Surg (Tokyo) 21:899-902, Oct 70 (Jap)

PHYSIOLOGY

[Dynamics of the lunar bone] Kashiwagi D, et al.
Orthop Surg (Tokyo) 21:863-7, Oct 70 (Jap)

SURGERY

[Acrylic prosthesis in the treatment of pseudarthroses of the scaphoid and of osteomalacias of the semilunar bone (apropos of 7 cases between the age of 8 and 13)] Renard V, et al. Chirurgie 96:92-6, 1970 (Fre)
[Clinico-radiographic considerations on remote results of the removal of the lunate bone in Kienboecks disease] Vasciaveo F, et al.
Minerva Ortop 20:289-97, Jul-Aug 69 (Ita)

SEMILUNAR CARTILAGES (A2)

[Treatment of "meniscalgia" with juxta-meniscal infiltration] Lequesne M, et al.
Presse Med 78:1941, 24 Oct 70 (Fre)
[Frequency of meniscal calcifications and their pathological signification] Cabanel G, et al.
Rhumatologie 22:255-62, Sep 70 (Fre)
[Pathogenesis of meniscus cysts] Szepesi K, et al.
Beitr Orthop Traumatol 17:185-6, Feb 70 (Ger)
[Clinico-statistical study of meniscal cysts] Sangiorgi S, et al. Minerva Ortop 21:17-27, Jan 70 (Ita)

ABNORMALITIES

[Contribution to the study of the discoid meniscus. (Historical note)] Operti F.
Minerva Ortop 20:514-7, Oct 69 (Ita)

INJURIES

Injuries of the ligaments of the knee. A study of types of injury and treatment in 129 patients. Pickett JC, et al. Clin Orthop 76:27-32, May 71
Operative treatment of degenerative tears of the semilunar cartilage. A follow-up study. Lotem M, et al.
Isr J Med Sci 7:733-7, Jun 71
Popliteal cysts associated with undiagnosed posterior lesions of the medial meniscus. The significance of age in diagnosis and treatment. Childress HM.
J Bone Joint Surg [Am] 52:1487-92, Oct 70
Tear of the attachment of a normal medial meniscus of the knee in a four-year-old-child. A case report. Saddawi ND, et al.
J Bone Joint Surg [Am] 52:809-11, Jun 70
[Partial or total resection in semilunar cartilage injuries] Bauer R.
Arch Orthop Unfallchir 69:341-50, 1971 (Ger)
[Experiences with double-contrast angiography in meniscus damages] Höhle KD, et al.
Monatsschr Unfallheilkd 73:190-4, Apr 70 (Ger)
[Meniscus injuries and meniscus damages] Weiler S.
Z Allgemeinmed 46:1077-9, 31 Jul 70 (Ger)
[Evaluation of clinical examinations in the diagnosis of lesions of semilunar cartilages in the knee joint] Solarski W, et al.
Chir Narzadow Ruchu Ortop Pol 36:303-6, 1971 (Pol)

PATHOLOGY

[Pathogenesis of the meniscus cyst] Kullmann L, et al.
Z Orthop 108:452-60, Nov 70 (Ger)

RADIOGRAPHY

[Postoperative arthrographic evaluation of meniscus residue and meniscus regeneration] Thiemann KJ, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:750-68, Jun 70 (Ger)
[Results with double contrast arthrography in meniscus lesions of the knee joint] Kallweit H, et al.
Monatsschr Unfallheilkd 74:320-4, 1971 (Ger)

SURGERY

[Quadruple meniscectomy] Baciu C.
Acta Orthop Belg 37:173-6, Mar-Apr 71 (Fre)
[Frequency of degeneration and fissures in the residual meniscus. (Results of double-contrast arthrography in 141 meniscectomized patients)] Fischer J, et al.
Hefte Unfallheilkd 107:259-62, 1970 (Ger)
[Studies on replacement tissue formation following meniscectomies] Czipott Z, et al.
Z Orthop 109:440-51, Jul 71 (Ger)
[Meniscus operations and arthritis deformans] Höhndorf H. Zentralbl Chir 96:33-41, 9 Jan 71 (Ger)
[Importance of valgus deviation of femur-tibia axis in the appearance of knee arthrosis after meniscectomy] Fontanesi G, et al.
Arch Putti Chir Organi Mov 24:201-11, 1969 (Ita)

SEMILUNAR GANGLION see under TRIGEMINAL NERVE (A8)

SEMINAL VESICLES (A5)

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA.
Am J Roentgenol Radium Ther Nucl Med 112:603-6, Jul 71
Pituitary gonadotrophins (follicle-stimulating hormone and interstitial cell-stimulating hormone) and seminal vesicular fructose after long-term vasectomy in bulls. Rakha AM, et al.
Fertil Steril 22:581-3, Sep 71
Calcification of the seminal vesicles and vas deferens in a uremic patient. Silber SJ, et al.
J Urol 105:542-4, Apr 71
Vasovesiculography: cyst of the seminal vesicle associated with agenesis of the ipsilateral kidney. Greenbaum E, et al. Radiology 98:363-4, Feb 71
[Contribution to the cause of prostatitis, spermatocystitis and epididymitis] Babics A.
Z Urol Nephrol 63:563-6, Jul 70 (Ger)
[Primary seminal vesicle carcinoma] Saidinejad H.
Z Urol Nephrol 63:697-702, Sep 70 (Ger)
[Seminal vesical cysts] Sadi A, et al.
Hospital (Rio de J) 78:1317-25, Nov-Dec 70 (Por)
[Adenocarcinoma of the seminal vesicles] Lipets Vla.
Arkh Patol 32:80-2, 1970 (Rus)

ABNORMALITIES

Ectopic opening of the ureter into the seminal vesicle: report of case. Orquiza CS, et al.
J Urol 104:532-5, Oct 70

ANALYSIS

Histochemical observations on the seminiferous tubule of the sparrow (Passer domesticus) testis. Somani RC, et al. Acta Morphol Neerl Scand 8:199-209, Feb 71
Purification and properties of seminal vesicle ribonucleases. Hosokawa S, et al.
J Biochem (Tokyo) 69:683-97, Apr 71
Bat seminal vesicle protein: its characterization and physiological properties. Hunter AG, et al.
J Reprod Fertil 24:179-86, Feb 71
The identification of prostaglandin E1 in rat seminal vesicle gland. De CUMINSKY BS, et al.
Lipids 6:278-80, Apr 71
[Histochemical studies in the epithelium of goat and swine seminal vesicles] Wrobel KH.
Berl Munch Tieraerztl Wochenschr 82:473-6, 15 Dec 69 (Ger)
[Isolation and trypsin inhibitors and trypsin-plasmin-inhibitors from the seminal vesicles of guinea pigs] Fritz H, et al.
Hoppe Seylers Z Physiol Chem 351:1344-52, Nov 70 (Ger)

ANATOMY & HISTOLOGY

Some endocrine studies of a new antiandrogen, 6-alpha-bromo-17-beta-hydroxy-17-alpha-methyl-4-oxa-5-alpha-androstan-3-one (BOMT). Boris A, et al.
Endocrinology 88:1066-91, Apr 71
Effects of blinding and pinealectomy on the reproductive organs of adult male and female rats. Sorrentino S Jr, et al.
Gen Comp Endocrinol 15:242-6, Oct 70

CYTOLOGY

The secretory granule and the lysosome in the epithelium of the seminal vesicle. Muto H.
Acta Urol Jap 16:670-7, Nov 70
Radioautography technique for human and rat seminiferous tubules mounted in toto. Chowdhury AK, et al. Exp Cell Res 64:450-6, Feb 71
[Differences in proliferation of principal and basal cells in the epididymis and adjacent seminal ducts of the albino rat] Schmid GH, et al.
Virchows Arch [Zellpathol] 8:274-6, 1971 (Ger)
[Morphology of the epithelium of the seminal vesicle in the goat] Wrobel KH.
Zentralbl Veterinaermed [A] 17:634-43, Aug 70 (Ger)

DRUG EFFECTS

Androgen effect on cellular level in rat prostate and seminal vesicles. Schmidt H, et al.
Acta Endocrinol [Suppl] (Kbh) 152:30, 1971
Some aspects of the adrenergic system of the isolated rat seminal vesicle. Bouquet J, et al.
Arch Int Pharmacodyn Ther 189:397-8, Feb 71
Effects of melatonin on changes induced by castration and testosterone in sexual structures of male rats. Debeljuk L, et al. Endocrinology 87:1358-60, Dec 70
Effects of salmon pituitary gonadotropin, ovine luteinizing hormone, and testosterone on the testes and seminal vesicles of hypophysectomized catfish, Heteropneustes fossilis (Bloch). Sundararaj BI, et al.
Gen Comp Endocrinol 17:73-82, Aug 71
The effects of cyproterone acetate on the spontaneous activity and seminal vesicle weight of male rats. Stern JJ, et al. J Endocrinol 50:441-3, Jul 71
Comparison of the effects of alpha-methyltyrosine on the noradrenaline stores of different peripheral organs of the rat. Swedin G.
Life Sci [I] 9:1249-59, 1 Nov 70
Effect of biogenic amines on the endocrine axis and esterase activity of hamster testes. Seibel HR, et al.
Proc Soc Exp Biol Med 135:132-7, Oct 70
Influence of age and castration on reactivity of guinea pig isolated seminal vesicles to angiotensin and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tyramine. Gascon AL, et al.
Rev Can Biol 30:173-6, Jun 71
[Effects of gestonorone caproate on prostate and seminal vesicles of the rat] Hahn JD.
Acta Urol Jap 16:429-37, Sep 70 (Jap)
[Action of melatonin on the gonadotrophic function of the male rat] Debeljuk L.
Rev Argent Endocrinol Metab 14:158-60, Sep 68 (Spa)

EMBRYOLOGY

The fine structure and development of the seminal vesicles and prostate in the fetal rat. Flickinger CJ.
Z Zellforsch Mikrosk Anat 109:1-14, 1970
[Multiple anlage of seminal vesicles and their cirri in turbellaria Convoluta convoluta (Abildgaard)] Mamkaev IuV, et al.
Dokl Akad Nauk SSSR 196:1474-6, 21 Feb 71 (Rus)

ENZYMOLOGY

Dehydroepiandrosterone sulfatase in the prostate and seminal vesicles of the rat. Gill W, et al.
Biochim Biophys Acta 218:148-54, 6 Oct 70
Properties of a novel preparation of prostaglandin synthetase from sheep seminal vesicles. Wallach DP, et al. Biochim Biophys Acta 231:445-57, 4 May 71
Metabolic control mechanisms in mammalian systems. XI. Pyruvate kinase modulation in the rat prostate and seminal vesicles. Vijayvargiya R, et al.
Can J Biochem 48:1268-77, Nov 70
Histochemical demonstration of sorbitol dehydrogenase (ketose reductase) in human seminal vesicle epithelium. Riva A, et al.
Fertil Steril 21:241-3, Apr 70
Cofactor requirements of the enzyme synthesizing prostagland in bovine seminal vesicles. Yoshimoto A, et al. J Biochem (Tokyo) 68:487-99, Oct 70
Histochemical studies of bovine seminal vesicles during postnatal development. Rama F, et al.
J Endocrinol 49:259-62, Feb 71

GROWTH & DEVELOPMENT

Dissociation of anabolic and androgenic properties of steroids by anti-anabolic and anti-androgenic agents in rats. Steinetz BG, et al.
Endocrinology 89:894-6, Sep 71
[Biomorphosis of the seminal vesicles with special reference to chronic spermatocystitis] Wittstock G, et al.
Virchows Arch [Pathol Anat] 351:12-20, 1970 (Ger)
[Epithelial proliferation in the seminal vesicles of the adult white rat following castration] Schmid GH, et al.
Virchows Arch [Zellpathol] 8:361-4, 1971 (Ger)
[Growth processes in the epithelium of seminal vesicles in growing white rats] Schmid GH, et al.
Z Zellforsch Mikrosk Anat 119:378-83, 1971 (Ger)

IMMUNOLOGY

The antigens of seminal vesicle and seminal plasma. Shulman S, et al. Fertil Steril 21:794-801, Nov 70
The antigens and autoantigens of the seminal vesicle. I. Immunochemical studies on guinea pig vesicular fluid. Orsin F, et al. J Exp Med 134:120-40, 1 Jul 71
Patterns of distribution and urinary excretion of male rat accessory sex gland-specific antigens. Rosenmann E, et al. J Reprod Fertil 23:383-91, Dec 70

INNERVATION

Potentiation by various smooth muscle stimulants of an isolated sympathetic nerve-seminal vesicle preparation from the guinea-pig. Sjöstrand NO, et al.
Acta Physiol Scand 80:172-7, Oct 70
Chemical and histochemical studies on the sympathetic innervation of the vas deferens and seminal vesicle of the guinea pig. Wakade AR, et al.
J Pharmacol Exp Ther 178:432-41, Sep 71
Ultrastructural differentiation of fibre types in rabbit seminal vesicles. Dent J, et al.
J Physiol (Lond) 217:7P-9P, Aug 71
[Distribution of the adrenergic terminal reticulum in rat seminal vesicles in ordinary and experimental conditions] Pacini P.
Boll Soc Ital Biol Sper 45:1530-2, 15 Dec 69 (Ita)

METABOLISM

Metabolism in vivo of [3H] androstenedione and [3H] testosterone by androgen dependent tissues. Tveter KJ, et al. Acta Endocrinol (Kbh) 65:723-30, Dec 70
Action and metabolism of 5 -androstan-3,17-dion on cellular level of target tissues of male rats. Becker H, et al. Acta Endocrinol [Suppl] (Kbh) 155:150, 1971
The time relations of DNA synthesis and mitotic activity in the castrate mouse accessory sex glands after androgen stimulation. Morley AR, et al.
Acta Endocrinol [Suppl] (Kbh) 155:152, 1971
Androgen control of mitochondrial protein biosynthesis in male sex accessory tissue and liver of rats. Doeg KA, et al. Endocrinology 89:338-46, Aug 71
Androgenic regulation of nucleic acid and protein synthesis in the hamster flank organ and other tissues. Giegel JL, et al.
Endocrinology 89:904-9, Sep 71
The effect of large doses of testosterone propionate on some histochemical reactions in seminal vesicles in the rat. Limanowski A, et al.
Folia Histochem Cytochem (Krakow) 8:389-401, 1970
Cholinergic-stimulated alkaline phosphatase secretion and phospholipid synthesis in guinea pig seminal vesicles. Lockwood DH, et al.
J Cell Physiol 77:7-15, Feb 71
Uptake of nonutilizable sugars by guinea-pig seminal vesicles in vitro. Mawhinney MG, et al.
J Pharmacol Exp Ther 177:447-53, May 71
[Action of testosterone on RNA synthesis by male accessory organs] Van Rymenant M, et al.
Arch Int Physiol Biochim 79:212-3, Jan 71 (Fre)
[Synergistic effect of the endogenous prolactin-nortestosterone combination on fructose and citric acid in the male accessory glands] Ravault JP, et al. J Physiol (Paris) 1:Suppl 1:166, 1969 (Fre)
[Influence of prolactin and progesterone on nucleic acid metabolism in the prostate, vesicular gland and ductus deferens of juvenile hypophysectomized rats and orchidectomized rats] Berswordt-Wallrabe R vo, et al. Acta Endocrinol [Suppl] (Kbh) 152:7, 1971 (Ger)

PATHOLOGY

Hypertrophied verumontanum producing urinary obstruction. Bapna BC, et al.
Indian J Pediatr 37:155-7, Apr 70
[The effect of ligation of the internal iliac arteries upon the prostate, seminal vesicle, vas deferens] Suzuki H.
Acta Urol Jap 17:347-54, May 71 (Jap)

PHYSIOLOGY

Age difference in the prostate hypertrophy induced by the removal of the seminal vesicle in rats. Fujii T.
Endocrinol Jap 17:403-9, Oct 70
Some endocrine effects of blinding and anosmia in adult male rats with observations on pineal melatonin. Reiter RJ, et al. Endocrinology 88:895-900, Apr 71

SECRETION

Seminal discharge following intracranial electrical stimulation. Larsson K, et al.
Brain Res 23:381-6, 28 Oct 70
Certain components of the seminal fluid without the secretion of the seminal vesicle. Molnar J, et al.
Fertil Steril 22:462-7, Jul 71
Maintenance of the motility of rat epididymal spermatozoa in the presence of male accessory secretions. Morita Z, et al.
J Reprod Fertil 24:247-54, Feb 71

SEMLIKI FOREST VIRUS (B4)

Influence of cell age on production and assay of mouse interferon in L-cells. McLaren C.
Arch Gesamte Virusforsch 32:13-8, 1970
Louping-ill and Semliki forest virus infections in the short-tailed vole Microtus agrestis (L.). Seamer J, et al. Br J Exp Pathol 51:385-93, Aug 70
Delayed onset of encephalitis in mice passively immunised against Semliki Forest virus. Seamer JH, et al. Br J Exp Pathol 52:408-14, Aug 71
Properties of Semliki Forest virus nucleocapsid. 1. Sensitivity to pancreatic ribonuclease. Kääriäinen L, et al. Virology 43:291-9, Jan 71
[Effect of an anti-interferon serum on experimental viral pathogenicity in vivo] Fauconnier B.
Pathol Biol (Paris) 19:575-8, Jun-Jul 71 (Fre)
[The effect of potassium and magnesium deficiency on the course of influenza and Semliki virus infection in mice] Hohenegger M, et al.
Zentralbl Bakteriol [Orig] 204:192-6, 1967 (Ger)
[Results of a serologic study of the cycles of circulation of several arboviruses in the Republic of Senegal (West Africa)] Chunikhin SP, et al.
Vopr Virusol 16:52-5, Jan-Feb 71 (Rus)
[A precipitating antigen in the blood of mice infected by arboviruses] Gafdamovich SIa, et al.
Vopr Virusol 15:337-41, May-Jun 70 (Rus)

ANALYSIS

Dissociation of Semliki Forest virus into biologically active components. Appleyard G, et al.
J Gen Virol 9:179-89, Dec 70

DRUG EFFECTS

Inactivation of influenza and other viruses by a mixture of virucidal compounds. Oxford JS, et al.
Appl Microbiol 21:606-10, Apr 71
Viral auto-inhibition studied by the effect of anti-interferon serum on plaque formation. Fauconnier B.
Arch Gesamte Virusforsch 31:266-72, 1970
Basis for variable response of arboviruses to guanidine treatment. Friedman RM. J Virol 6:628-36, Nov 70
Relative antiviral resistance induced in homologous and heterologous cells by cross-reacting interferons. Stewart WE 2d, et al. J Virol 6:795-9, Dec 70

IMMUNOLOGY

Interferon production by temperature-sensitive mutants of Semliki Forest virus. Lomniczi B, et al.
J Gen Virol 8:55-68, Jul 70
Investigations on the effect of ascorbic acid on antibody production in rabbits after injection of bacterial and viral antigens by different routes. Versteeg J.
Proc K Ned Akad Wet [Biol Med] 73:494-501, 1970
Differentiation of group A arboviruses chikungunya, mayaro, and semliki forest by the fluorescent antibody technique. Buckley SM, et al.
Proc Soc Exp Biol Med 135:533-9, Nov 70

METABOLISM

The effect of canavanine on Semliki forest virus RNA synthesis. Ranki M, et al.
Ann Med Exp Biol Fenn 48:238-45, 1970
Comparison of interferon induction by active and inactive Semliki Forest virus. Goorha RM, et al.
J Gen Virol 10:117-24, Feb 71
Membrane binding of input arbovirus ribonucleic acid: effect of interferon or cycloheximide. Friedman RM, et al. J Virol 6:169-75, Aug 70
An explanation for increased interferon production at low multiplicities of infection. Goorha RM, et al.
Proc Soc Exp Biol Med 135:91-3, Oct 70

PATHOGENICITY

Some factors affecting the survival of airborne viruses. Benbough JE. J Gen Virol 10:209-20, Mar 71
Late therapy with an interferon stimulator in an arbovirus encephalitis in mice. Worthington M, et al.
Proc Soc Exp Biol Med 136:323-7, Jan 71
[Increase of viral pathogenicity by use of anti-interferon serum in vivo] Fauconnier B.
C R Acad Sci [D] (Paris) 271:1464-6, 19 Oct 70 (Fre)

SENDAI VIRUS (B4)

Experimental transmission of Sendai virus infection in mice. Veen J van der, et al.
Arch Gesamte Virusforsch 31:237-46, 1970
Virus induced fusion of chicken erythrocytes. Toister Z, et al.
Biochem Biophys Res Commun 41:1523-30, 24 Dec 70
Fusion of rabbit spermatozoa with somatic cells cultivated in vitro. Sawicki W, et al.
Exp Cell Res 66:145-51, May 71
Transformation of human cells by polyoma and Rous sarcoma viruses mediated by inactivated Sendai virus. Shevliaghyn VJ, et al. Int J Cancer 6:234-44, 15 Sep 70
Attachment of two myxoviruses to ciliated epithelial cells. Dourmashkin RR, et al.
J Gen Virol 9:77-88, Oct 70
Electron microscopic study of fused cells, with special reference to chromosome pulvrization. Sanbe M, et al.
J Natl Cancer Inst 44:1079-89, May 70
The effect of para-influenza type 1 (Sendai) virus infection on early pregnancy in the rat. Coid CR, et al.
J Reprod Fertil 24:39-43, Jan 71
Nucleocapsid protein subunits of simian virus 5, Newcastle disease virus, and Sendai virus. Mountcastle WE, et al. J Virol 6:677-84, Nov 70
Human-mosquito somatic cell hybrids induced by ultraviolet-inactivated Sendai virus. Zepp HD, et al.
Nature [New Biol] 229:119-21, 27 Jan 71
Fertilization of rabbit ova in vitro by sperm with adsorbed Sendai virus. Ericsson RJ, et al.
Science 173:54-5, 2 Jul 71
Messenger activity of sendai virus ribonucleoprotein in a cell free protein-synthesizing system. Bukrinskaya AG, et al. Virology 42:508-21, Oct 70
[Protein synthesis in paramyxovirus-infected cells of susceptible and resistant lines at the early stage of infection] Bukrinskaia AG, et al.
Biokhimiia 35:516-23, May-Jun 70 (Rus)
[Formation of early and late polyribosomes and the template activity of viral ribonucleoprotein] Bukrinskaia AG, et al.
Vestn Akad Med Nauk SSSR 26:26-32, 1971 (Rus)
[Isolation of a new antigen induced by Sendai virus] Berdinskikh MS, et al.
Vopr Virusol 15:524-9, Sep-Oct 70 (Rus)
[Virus induced RNA in the polyribosomes of Ehrlich ascites carcinoma cells infected with Sendai virus] Zaides VM, et al.
Vopr Virusol 15:518-24, Sep-Oct 70 (Rus)
[Characteristics of viral RNA isolated from the polyribosomes of infected cells] Zhdanov VM, et al.
Vopr Virusol 15:467-73, Jul-Aug 70 (Rus)

ANALYSIS

The nature of the ribonucleic acid synthetized in vitro by Sendai virus-induced ribonucleic acid-dependent

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ribonucleic acid polymerase. Hutchinson JE, et al. J Gen Microbiol 63:xv-xvi, Nov 70
Electrophoretic distribution of the proteins and glycoproteins of influenza virus and Sendai virus. Content J, et al. J Virol 6:707-16, Dec 70
Proteins and glycoproteins of paramyxoviruses: a comparison of simian virus 5, Newcastle disease virus, and Sendai virus. Mountcastle WE, et al. J Virol 7:47-52, Jan 71
Properties of incomplete Sendai virions and subgenomic viral RNAs. Kingsbury DW, et al. Virology 42:857-71, Dec 70
[Characteristics of Sendai virus RNA when studies in polyacrylamide gels] Zhdanov VM, et al. Vopr Virusol 16:77-81, Jan-Feb 71 (Rus)

ENZYMOLOGY

Ribonucleic acid polymerase activity in Sendai virions and nucleocapsid. Robinson WS. J Virol 8:81-6, Jul 71
[The specificity of Sendai virus neuraminidase] Kupradze SA. Vopr Virusol 15:674-7, Nov-Dec 70 (Rus)

GROWTH & DEVELOPMENT

Sendai virus replication: an ultrastructural comparison of productive and abortive infections in avian cells. Darlington RW, et al. J Gen Virol 9:169-77, Dec 70
Effect of interferon on the replication of Sendai virus. Richman DD, et al. J Gen Virol 9:141-50, Nov 70
Plaque formation by sendai virus of parainfluenza virus group, type 1 on monkey, calf kidney and chick embryo cell monolayers. Shibuta H, et al. Jap J Microbiol 15:175-83, Mar 71
On the genesis of incomplete Sendai virions. Kingsbury DW, et al. Virology 42:872-9, Dec 70
Intracellular structures involved in Sendai virus replication. Robinson WS. Virology 43:90-100, Jan 71
Multiplication of Myxovirus parainfluenzae 1 (Sendai) in lung tissue culture of tortoise (Testudo graeca). Shindarov L, et al. Zentralbl Veterinaermed [B] 16:832-9, Dec 69

IMMUNOLOGY

Cellular antigens in myxo- and paramyxoviruses as revealed by immunodiffusion methods. Chepulis GK, et al. Experientia 26:1141-3, 15 Oct 70
[New antigens induced by Sendai virus in cells of different species] Charchoglian RA, et al. Vopr Virusol 15:208-12, Mar-Apr 70 (Rus)
[Detection of cellular antigens in myxoviruses and paramyxoviruses by the immunodiffusion method] Chepulis GS, et al. Vopr Virusol 16:62-70, Jan-Feb 71 (Rus)
[The immunodepressive effect of DNA-containing viruses: papovavirus SV40 and human adenovirus type 16] Gamburg VP, et al. Vopr Virusol 15:612-4, Sep-Oct 70 (Rus)
[Extraction of S-antibodies to Sendai virus by isolation from a specific precipitate] Sito AF. Vopr Virusol 15:736-7, Nov-Dec 70 (Rus)

METABOLISM

Sendai virus RNA synthesis and nucleocapsid formation in the presence of cycloheximide. Robinson WS. J Child Psychol Psychiatry 12:494-502, Jun 71
Enhancement of 32P incorporation into phospho- lipids in cultured cells by sendai virus of parainfluenza type 1. Shibuta H, et al. Jap J Microbiol 15:185-91, Mar 71
Template activity of parainfluenza virus ribonucleoprotein. Bukrinskaya AG, et al. Nature (Lond) 228:1194-6, 19 Dec 70
Complementary RNAs in paramyxovirions and paramyxovirus-infected cells. Portner A, et al. Nature (Lond) 228:1196-7, 19 Dec 70

PATHOGENICITY

The influence of ultraviolet-inactivated Sendai virus on Marek's disease virus infection in tissue culture. Hložánek I. J Gen Virol 9:45-50, Oct 70
Biological activities of sonically treated Sendai virus. Hosaka Y. J Gen Virol 8:43-54, Jul 70
A full expression of the genome of Rous sarcoma virus in heterokaryons formed after fusion of virogenic mammalian cells and chicken fibroblasts. Machala O, et al. J Gen Virol 8:219-29, Sep 70
Dependence of chromosome pulverization in virus-fused cells on events in the G2 period. Matsui S, et al. J Natl Cancer Inst 47:401-11, Aug 71

RADIATION EFFECTS

The influence of ultraviolet-inactivated Sendai virus on Marek's disease virus infection in tissue culture. Hložánek I. J Gen Virol 9:45-50, Oct 70
A series of hybrid cells containing different ratios of parental chromosomes formed by two steps of artificial fusion. Murayama-Okabayashi F, et al. Proc Natl Acad Sci USA 68:38-42, Jan 71

SENECIO (B6)

Development of hepatic tumors in rats following ingestion of Senecio longilobus. Harris PN, et al. Cancer Res 30:2881-6, Dec 70

GROWTH & DEVELOPMENT

[Determination of the reserves of raw material of ragweed on the Adjar-Imeretia Ridge] Shreter AI, et al. Farmatsiia 17:40-3, Sep-Oct 68 (Rus)

SENESCENCE see under AGING (G1)

SENNA (B6, D7)

[Cassia in the Senegalese pharmacopeia. Use in traditional medicine, chemistry and pharmacology] Kerharo J. Bull Soc Med Afr Noire Lang Fr 14:1-19, 1969 (Fre)

ANALYSIS

[Anthracene derivatives in callus cultures from senna] Baier S, et al. Naturwissenschaften 57:548-9, Nov 70 (Ger)

PHARMACODYNAMICS

The mechanism by which senna glycosides and related compounds stimulate peristalsis in the human colon. Wilkins JL, et al. Br J Surg 57:864, Nov 70
The action of sennosides and related compounds on human colon and rectum. Hardcastle JD, et al. Gut 11:1038-42, Dec 70

THERAPEUTIC USE

[Possibilities of a derivative of senna in the treatment of simple chronic constipation] Grossi F. Clin Ter 54:139-51, 31 Jul 70 (Ita)

SENSATION (F1, G1)

see also related
PERCEPTION (F1)

Corneal sensivity by low temperatures. Kolstad A. Acta Ophthalmol (Kbh) 48:789-93, 1970
Changes in sensory acuity following radial nerve biopsy in patients with leprosy. Pearson JM, et al. Brain 94:43-50, 1971
Effects of cortical and thalamic lesions on temperature discrimination and responsiveness to foot shock in the rat. Finger S, et al. Brain Res 24:69-89, 11 Nov 70
Prestimulus activity level and responsivity in the neonate. Lamper C, et al. Child Dev 42:465-73, Jun 71
The role of the diaphragm in the sensation of holding the breath. Noble MI, et al. Clin Sci 41:275-83, Sep 71
The ability of man to detect added resistive loads to breathing. Noble MI, et al. Clin Sci 41:285-7, Sep 71
Remarks concerning the effect of diencephalic lesions on pain and sensitivity with special reference to lemniscally mediated control of noxious afferences. Albe-Fessard D, et al. Confin Neurol 32:174-84, 1970
Somaesthetic evoked potential and cutaneous vibratory stimulus. Delwaide PJ, et al. Electroencephalogr Clin Neurophysiol 29:535, Nov 70
An illustration of emotionally evoked theta rhythm in infancy: hedonic hypersynchrony. Maulsby RL. Electroencephalogr Clin Neurophysiol 31:157-65, Aug 71
Vibratory sensitivity of the penis. Newman HF. Fertil Steril 21:791-3, Nov 70
Corneal sensitivity in lepromatous leprosy. Krassai A. Int J Lepr 38:422-7, Oct-Dec 70
Selective responding by autistic children to multiple sensory input. Lovaas OI, et al. J Abnorm Psychol 77:211-22, Jun 71
The avoidance response in Phycomyces. Johnson DL, et al. J Gen Physiol 57:41-9, Jan 71
Sensory processes and age effects in normal adults. Corso JF. J Gerontol 26:90-105, Jan 71 (107 ref.)
Clinical observations on sensory effects of trigeminal dorsal root section. Ley A, et al. J Neurol Neurosurg Psychiatry 34:260-4, Jun 71
Late results of bulbar trigeminal tractotomy. Some remarks on recovery of sensibility. Moffie D. J Neurol Neurosurg Psychiatry 34:270-4, Jun 71
On the unified laws of excitability, activity and interactivity of physiological systems. Sato K. Kybernetik 9:45-55, Aug 71
Threshold of vibratory perception in normal children. Alter M, et al. Minn Med 54:693-5, Sep 71
Sensory feedback in regulation of body weight: is there a ponderostat? Cabanac M, et al. Nature (Lond) 229:125-7, 8 Jan 71
Somesthetic thresholds after commissural section in man. Milner B, et al. Neurology (Minneap) 20:378, Apr 70
Functional neuroanatomy for nurses. 6. The fate of sensory impulses. Hewitt W. Nurs Times 67:925-7, 29 Jul 71
Functional neuroanatomy for nurses. 5. The fate of sensory impulses. 1. Receptor organs and the reflex arc. Hewitt W. Nurs Times 67:892-5, 22 Jul 71
An elementary derivation of Stevens' law and Fechner's law from first principles. Auerbach C. Percept Mot Skills 32:361-2, Apr 71
Sensory impairments in hemiplegia. Anderson EK. Pract Otorhinolaryngol (Basel) 33:293-7, 1971
Studies on abnormal feeling in the throat. Miyake H, et al. Pract Otorhinolaryngol (Basel) 32:364-72, 1970
Corneal sensitivity after grafting. Zorab EC. Proc R Soc Med 64:117-8, Feb 71
Experience with the sensation-seeking-scale by Zuckerman in speech disorders. Kempe P, et al. Psychiatr Neurol Neurochir 74:59-64, Jan-Feb 71
Sensations of tone as perceptual forms. Creel W, et al. Psychol Rev 77:534-45, Nov 70
Gastric perceptivity in normal, obese and schizophrenic subjects. Coddington RD, et al. Psychosomatics 11:571-9, Nov-Dec 70
Neural events and psychophysical law. Buchsbaum M, et al. Science 172:502, 30 Apr 71
Development of polysensory responses in association cortex of kitten. Mayers KS, et al. Science 171:1038-40, 12 Mar 71
The descending trigeminal tract as a mechanism for intersegmental sensory facilitation. Denny-Brown D, et al. Trans Am Neurol Assoc 95:129-33, 1970
[Study of the somesthesic pathway by double shock, during postnatal development of rabbits] Briquel F. J Physiol (Paris) 63:20A-21A, Mar-Apr 71 (Fre)
[Minute-periodicity of sensorimotor reaction time in men and animals] Sinz R, et al. Acta Biol Med Ger 24:917-20, 1970 (Ger)
[Modified chemical procedures for the demonstration of objective sensitivity] Durst J. Monatsschr Unfallheilkd 74:224-7, May 71 (Ger)
[Experimental refutation of various hypotheses on the "sensation time"] Freiknecht G, et al. Z Exp Angew Psychol 18:90-100, 1971 (Ger)
[Physical processes and dreams] Reimer F. Z Psychosom Med Psychoanal 13:220-1, Jul-Sep 67 (Ger)
[Hypnosis as a process] Zanocco G, et al. Minerva Med 61:4655-60, 20 Oct 70 (Ita)
[Effect of acute ischemia on sensitivity to vibrations, heat, touch and pain in senile subjects] Digiesi V, et al. Rass Neurol Veg 23:71-82, 1969 (Ita)
[Contribution of the primate researches to sensory physiology] Sakata H. Adv Neurol Sci (Tokyo) 14:567-78, 1970 (Jap)
[Somatosensory evoked potentials in neurosurgical diseases] Aoki H, et al. Brain Nerve (Tokyo) 23:651-62, Jun 71 (Jap)
[Clinico-experimental study on Elektro-Herd-Test (sensation and pain threshold of affected tooth gingiva)] Ishihara I. J Jap Stomatol Soc 37:398-418, Dec 70 (Jap)
[Two-point discrimination on various type of skin graft to hand and foot] Takara K. J Kumamoto Med Soc 45:94-121, 25 Jan 71 (Jap)
[Properties and distribution of somatosensory responses in the thalamus of the unanaesthetized cat] Narukawa H. Psychiatr Neurol Jap 72:1089-108, Nov 70 (Jap)
[Intertwining of sensations: fantasy of the senses] Lopes O de C. Rev Paul Med 77:139-40, Apr 71 (Por)
[Electromanometry of the esophagus in familial amyloidotic polyneuropathy] Novaes de Magalhães AF. Rev Paul Med 76:33, Mar 70 (Por)
[A comparative study of the neuronal reactions of the paleo- and neo-cortex of the guinea pig brain] Shliafer TP. Fiziol Zh SSSR 56:318-23, Mar 70 (Rus)
[The interaction of associative responses to polymodal stimulation in the parietal region of the cat cerebral cortex] Tairov OP. Fiziol Zh SSSR 56:144-9, Feb 70 (Rus)
[V. I. Lenin's theory of reflection and the physiology of organs of sensation] (Lenin VI), Zimkin MV, et al. Fiziol Zh SSSR 56:490-5, Apr 70 (Rus)
[Restoration of feeling in skin autotransplants transplanted to the hand and fingers] Matchin AA. Klin Khir 8:57-8, Aug 70 (Rus)
[Sensory chronaximetry in middle-aged and aged patients with eczema and neurodermatitis] Berdybaev UB, et al. Vestn Dermatol Venerol 44:17-21, Jun 70 (Rus)
[Magnetic algesimeter] Radzikhovskiĭ BL. Vestn Oftalmol 2:81-2, 1971 (Rus)
[Characteristics of sensation disorders in focal lesions of the frontal lobe] Shogam II. Zh Nevropatol Psikhiatr 71:503-9, 1971 (Rus)
Multisensory projection areas and association phenomena] Albe-Fessard D. Zh Vyssh Nerv Deiat 21:509-13, 1971 (55 ref.) (Rus)
[The polysensory properties of rabbit sensory-motor cortex neurons in early ontogensis] Farber DA, et al. Zh Vyssh Nerv Deiat 20:628-36, Jul-Aug 70 (Rus)
[Conditioned cardiac reflexes in fish to stimulation of the surface of the head with sugar solutions] Vasilevskaia NE, et al. Zh Vyssh Nerv Deiat 21:495-501, 1971 (Rus)
[Corino Andrade's disease. Clinical and pathological study] Curcio FI, et al. Prensa Med Argent 57:1611-5, 23 Oct 70 (Spa)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DRUG EFFECTS

The subjective experience of addicts at the time of injection of their drug. Riddall MW.
J Psychosom Res 14:307-12, Sep 70
Attenuation of stimulus sensitivity induced by scopolamine. Warburton DM, et al.
Nature (Lond) 230:126-7, 12 Mar 71
Subjective effects of narcotic antagonists cyclazocine and nalorphine on the Addiction Research Center Inventory (ARCI). Haertzen CA.
Psychopharmacologia 18:366-77, 1970

SENSORY DEPRIVATION (F1)

see also related
MENTAL RETARDATION, PSYCHOSOCIAL (F2)

Psychophysiological aspects of extended exposure of man to an environment with sensory deprivation. Ilyin EA, et al. Aerosp Med 41:1022-4, Sep 70
The eye-patched patient. Ohno MI.
Am J Nurs 71:271-4, Feb 71
Sensory deprivation, preconscious processes and scientific thinking. Shore E.
Am J Orthopsychiatry 41:574-80, Jul 71
Influence of early visual input on development of brain excitability in the rat. Meisami E, et al.
Am J Physiol 220:233-8, Jan 71
Congenital and perinatal sensory deprivation: some studies in early development. Freedman DA.
Am J Psychiatry 127:1539-45, May 71
Sensory deprivation. Solomon P, et al.
Am J Psychiatry 127:1546-7, May 71
Sensory deprivation therapy of an autistic boy. Maier WJ. Am J Psychother 24:228-45, Apr 70
Neurologic examination in an elderly population. Kiawans HL Jr, et al. Dis Nerv Syst 32:274-9, Apr 71
Sensory restriction in the albino rat: photically evoked after-discharge correlates. Rhodes LE, et al.
Electroencephalogr Clin Neurophysiol 29:488-95, Nov 70
Day-time sleep and experimental sensory deprivation in the normal subject. Salzarulo P.
Electroencephalogr Clin Neurophysiol 30:373, Apr 71
Stimulus deprivation and cerebral blood flow. Bondy SC, et al. Exp Neurol 31:200-6, May 71
Effects of blinding and pinealectomy on the reproductive organs of adult male and female rats. Sorrentino S Jr, et al.
Gen Comp Endocrinol 15:242-6, Oct 70
Social isolates and urbanites in perceptual isolation. As A, et al. J Abnorm Psychol 76:1-9, Aug 70
Effects of sensory restriction on susceptibility to hypnosis: a hypothesis and more preliminary data. Wickramasekera I. J Abnorm Psychol 76:69-75, Aug 70
Sensory deprivation versus sensory variation. Zuckerman M, et al.
J Abnorm Psychol 76:76-82, Aug 70
The effect of unilateral deprivation on visual centers in rats. Fifková E. J Comp Neurol 140:431-8, Dec 70
Instrumental conditioning of the GSR: a comparison of light deprivation and monotony hypotheses. Coffman M, et al. J Exp Psychol 89:410-3, Aug 71
Motivational arousal and task complexity: support for a model of cognitive changes in sensory deprivation. Suedfeld P, et al. J Exp Psychol 83:329-30, Feb 70
The neurophysiology of schizophrenia. Field dependency and electroencephalogram (EEG) responses to perceptual deprivation. Marjerrison G, et al. J Nerv Ment Dis 152:390-5, Jun 71
Autism revisited. Schechter MD, et al.
J Okla State Med Assoc 63:297-300, Jul 70
Effects of conceptual structure on information preference under sensory-deprivation conditions. MacNeil LW, et al. J Pers Soc Psychol 16:530-5, Nov 70
Consequences of monocular deprivation on visual behaviour in kittens. Dews PB, et al.
J Physiol (Lond) 206:437-55, Feb 70
The period of susceptibility to the physiological effects of unilateral eye closure in kittens. Hubel DH, et al.
J Physiol (Lond) 206:419-36, Feb 70
Sensory deprivation vs. sensory stimulation during early development: a comment on Berkowitz's study. Prescott JW. J Psychol 77:189-91, Mar 71
Pineal regulation of growth hormone synthesis and release in blinded and blinded-anosmic male rats. Sorrentino S Jr, et al.
Neuroendocrinology 7:210-8, 1971
Role of the pineal gland in growth restraint of adult male rats by light and smell deprivation. Sorrentino S Jr, et al. Neuroendocrinology 8:116-24, 1971
Sensry deprivation as a field of study. Jackson CW Jr, et al. Nurs Res 20:46-54, Jan-Feb 71 (49 ref.)
The CFF in unilateral arm amputees. Aftanas MS, et al.
Percept Mot Skills 32:881-2, Jun 71
Short-term visual restriction in visual and auditory discrimination. Gibby RG Jr, et al.
Percept Mot Skills 30:15-21, Feb 70
Effects of brief sensory deprivation and somatic concentration on two measures of field dependence. Kurie GD, et al. Percept Mot Skills 31:683-7, Dec 70
Effects of short-term sensory isolation upon stereoscopic size and distance. Lawson RB, et al.
Percept Mot Skills 32:571-7, Apr 71
Light deprivation and sensory reinforced behavior in chicks. Meyer ME, et al.
Percept Mot Skills 32:602, Apr 71
Effect of one day of sensory deprivation on a battery of open-ended cognitive tests. Oleson DS, et al.
Percept Mot Skills 31:919-23, Dec 70
Effect of sensory isolation upon intracranial self-stimulation by Sprague-Dawley rats. Peretti PO, et al. Psychol Rep 28:863-8, Jun 71
Sensory deprivation on visceral activity. II. The effect of auditory and vestibular deprivation on canine gastric secretion. Schapiro H, et al.
Psychosom Med 32:515-21, Sep-Oct 70
Sensory deprivation on visceral activity. I. The effect of visual deprivation on canine gastric secretion. Schapiro H, et al.
Psychosom Med 32:379-96, Jul-Aug 70
Sensory deprivation and EEG in normal subjects and in depressive and schizophrenic patients with special reference to the level of consciousness. Okuyama Y. Tohoku J Exp Med 102:209-23, Nov 70
Ultrastructural features of the pineal gland in normal and light deprived golden hamsters. Clabough JW. Z Zellforsch Mikrosk Anat 114:151-64, 1971
[Sensory deprivation and psychodysleptic activity] Roche M. C R Soc Biol (Paris) 164:1756-62, 1970 (Fre)
[Psychological effects of detention] Laplante J.
Laval Med 40:1057-61, Dec 69 (Fre)
[The psychological effects of sensory deprivation] Santoni C. Minerva Med 62:1282-7, 24 Mar 71 (Ita)

COMPLICATIONS

Pineal inhibition of compensatory testicular enlargement in light-deprived hamsters. Reiter RJ.
Experientia 26:1153-4, 15 Oct 70
[Experiments with sensory deprivation in the light of some neuropsychiatric problems] Petrella F, et al.
Rass Neuropsichiatr 22:424-56, Oct-Dec 68 (116 ref.) (Ita)

SEPTICEMIA (C1)

Bacteriemia during the first day of life. Ingomar CJ.
Acta Paediatr Scand [Suppl] 206:Suppl 206:106+, 1970
Pneumococcal bacteremia. Review of 111 cases, 1957--1969, with special reference to cases with undetermined focus. Burke JP, et al.
Am J Dis Child 121:353-9, Apr 71 (24 ref.)
Septic shock: clinical, physiological, and pathological survey of 244 patients. Neely WA, et al.
Ann Surg 173:657-66, May 71
Group B streptococcal septicaemia as the cause of death of a child. Livoni P, et al.
Dan Med Bull 15:271-2, Nov 68
Bacterial infections in ventriculo-auricular shunt systems. Luthardt T.
Dev Med Child Neurol [Suppl] 22:Suppl 22:105+, 1970
Immediate shunt replacement in the treatment of bacterial colonisation of Holter valves. Nicholas JL, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:110+, 1970
A study of bacteremia following wound lavage. Gross A, et al. Oral Surg 31:720-2, May 71
The white cell count in gram-negative shock. Lessing AJ. S Afr Med J 44:1121-2, 3 Oct 70
FDA action on blood poisoning. Edwards CC, et al.
Science 173:379, 30 Jul 71
Response of the subhuman primate in gram-negative septicemia induced by live Escherichia coli. Pool JL, et al. Surg Gynecol Obstet 132:469-77, Mar 71
[Human "Yersinia enterocolitica" septicemia. 17 recent cases] Mollaret HH, et al.
Presse Med 79:345-8, 13 Feb 71 (Fre)
[Septicemia--considerations on clinical findings and treatment] Pawluk W.
Wiad Lek 24:219-24, 1 Jul 71 (19 ref.) (Pol)
[Present characteristics of staphylococcal septicemias] Josan R, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:121-6, Mar-Apr 71 (Rum)
[Toxoplasmosis sepsis. In reference to the article by E. A. Gal'perin "So-called Toxoplasmosis Sepsis", Meditsinskaia Parazitologiia, 1969. No. 1] Shevkunova EA. Med Parazitol (Mosk) 39:730-2, Nov-Dec 70 (Rus)

BLOOD

Plasma kallikrein and Hageman factor in Gram-negative bacteremia. Mason JW, et al.
Ann Intern Med 73:545-51, Oct 70
Structural and compositional changes in the red cell membrane during Clostridium welchii infection. Simpkins H, et al. Br J Haematol 21:173-82, Aug 71
Detection of endotoxin in the blood of patients with sepsis due to gran-negative bacteria. Levin J, et al.
N Engl J Med 283:1313-6, 10 Dec 70
Endotoxin and bacteremia due to gram-negative organisms. McCabe WR.
N Engl J Med 283:1342-3, 10 Dec 70
Coagulation abnormalities in fulminant meningococcaemia. Mauger DC, et al.
NZ Med J 73:202-5, Apr 71
[Behavior of blood proteins and glycoproteins in the course of meningococcic disease in childhood (sepsis and meningitis) (cellulose acetate gel radial electrophoresis)] Moggi C, et al.
Riv Clin Pediatr 82:412-6, Oct-Dec 69 (Ita)
[Acid-base equilibrium, glucose and pyruvic acid levels in premature infants with infectious-inflammatory diseases] Kaproanova EI.
Vopr Okhr Materin Det 15:11-5, Nov 70 (Rus)

CHEMICALLY INDUCED

[Case report on streptokinase therapy during pregnancy] Göring G.
Geburtshilfe Frauenheilkd 31:348-53, Apr 71 (Ger)

COMPLICATIONS

Spontaneous acute peritonitis with bacteremia in patients with decompensated Laennec's cirrhosis. Ansari A. Am J Gastroenterol 55:265-72, Mar 71
Pseudomonas bacteremia in patients with malignant diseases. Whitecar JP Jr, et al.
Am J Med Sci 60:216-23, Oct 70
Evidence of a "silent" bacillemia in primary tuberculosis. Stead WW, et al.
Ann Intern Med 74:559-61, Apr 71
Demonstration of a lethal endotoxemia of intestinal origin in refractory non-septic shock. Tamakuma S, et al. Ann Surg 173:219-24, Feb 71
Prolonged Salmonella bacteremia in patients with Schistosoma mansoni infection. Rocha H, et al.
Arch Intern Med 128:254-7, Aug 71
Renal insufficiency after trauma and sepsis. A prospective functional and ultrastructural analysis. Rosenberg IK, et al. Arch Surg 103:175-83, Aug 71
Intravascular coagulation in Gram-negative septicaemia. Kimber RJ. Br J Urol 42:741, Dec 70
Endotoxic shock in Gram negative septiaemia. Dietzman RH, et al. Cent Afr J Med 16:279, Dec 70
Acute hematogenous osteomyelitis in infancy and childhood. Ek J. Clin Pediatr (Phila) 10:377-9, Jul 71
Combined Hemophilus influenzae pyarthrosis, meningitis and septicemia in a five-year-old child. Robinson LD Jr, et al.
Clin Pediatr (Phila) 10:421-3, Jul 71
Bacteremic consumptive coagulopathy. Hall WJ 3d.
J Maine Med Assoc 61:232-5, Nov 70
Disseminated intravascular coagulation in Candida albicans septicemia. Philippidis P, et al.
J Pediatr 78:683-6, Apr 71
Fatal heat stroke. Circulating endotoxin and gram-negative sepsis as complications. Graber CD, et al. JAMA 216:1195-6, 17 May 71
Septicemia in galactosemia. Kelly S.
JAMA 216:330, 12 Apr 71
Group A beta-haemolytic streptococcal septicaemia. Complications and management. Clarke GM, et al.
Med J Aust 1:324-7, 6 Feb 71
Dapsone-induced agranulocytosis complicated by gram-negative septicaemia. Smithurst BA, et al.
Med J Aust 1:537-9, 6 Mar 71
Gastric mucosal hemorrhage following sepsis and trauma. Rector F. Mich Med 70:417, May 71
Clostridia septicemia in malignant disease. Warkel RL, et al. Milit Med 135:889-91, Oct 70
Septicaemia--the forgotten complication of paraplegia. Silver JR, et al. Paraplegia 8:128-42, Aug 70
Fatal staphylococcal septicemia associated with use of jet injector for measles vaccination. Kassanoff I, et al.
Pediatrics 47:135-7, Jan 71
Thrombophlebitis of the cerebral cortex in children. Arseni C, et al. Rom Med Rev 15:33-40, Jan-Mar 71
Hyperlipidemia and pulmonary fat embolism in dogs with E. coli bacteremia. Groves AC, et al.
Surgery 68:656-61, Oct 70
Incidence of disseminated intravascular coagulation in the course of septicemia in newborn infants. Alebouyeh M, et al. Z Kinderheilkd 109:326-32, 1971
[Bacteraemia in patients with leukemia and myelomatosis] Manthorpe R, et al.
Nord Med 85:566-9, 6 May 71 (Dan)
[Uremigenic angiocholitis. Its connection with gram negative septicemia of digestive origin] Heuily F, et al.
Ann Gastroenterol Hepatol (Paris) 7:145-56, Mar-Apr 71 (Fre)
[Acute endo-myocarditis during Streptococcus D septicemia. Recovery] Martin C, et al.
Bord Med 3:2458, Oct 70 (Fre)
[Neurologic complications of septicemias caused by Haverhillia multiformis] Leng-Levy J, et al.
Lyon Med 225:Suppl:131-5, 1971 (Fre)
[Septicemia with endocarditis caused by Listeria monocytogenes in a 10-year-old Biafran child] Goasguen J, et al.
Med Trop (Mars) 29:699-701, Nov-Dec 69 (Fre)
[Acute hematogenic osteomyelitis in children (26 cases)] Cuendet A, et al.
Rev Med Suisse Romande 90:591-602, Jul 70 (Fre)
[Myocardial abscess during a probable staphylococcal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

septicemia in a cirrhotic] Péquignot H, et al. Sem Hop Paris 47:1142-3, 14 Apr 71 (Fre)
[Bacteremia shock syndrome in obstetrics] Szemesi I, et al. Acta Chir Acad Sci Hung 11:87-95, 1970 (Ger)
[Gangrenous appendicitis with pylephlebitis and sepsis] Noeske K. Med Welt 17:687-90, 24 Apr 71 (Ger)
[Oliguria and anuria, oedemata, fever, vomiting and somnolence in a 2 and one half year old infant] Harefuah 78:616-20, 15 Jun 70 (Heb)
[Infantile disseminated cutaneous gangrene during meningococcic sepsis] Leoni A. G Ital Dermatol 44:344-8, Jul 69 (Ita)
[Autopsy case of septicemia due to Salmonella typhimurium associated with thymoma and abscess formation] Koga T, et al. J Jap Assoc Infect Dis 45:218-21, Jun 71 (Jap)
[Bronchitis spastica in staphylococcal bacteraemia in infants] Gerkowicz T, et al. Ann Univ Mariae Curie Sklodowska [Med] 24:263-9, 1969 (Pol)
[Gastrointestinal hemorrhage and septic conditions] Kaiser S, et al. Hospital (Rio de J) 77:1829-45, Jun 70 (Por)
[Observations on endocarditis with coagulase-negative Staphylococcus albus] Mihail A, et al. Med Interna (Bucur) 22:929-36, Aug 70 (Rum)
[Aortic valve stenosis as a complication of septicemia caused by Neisseria of the pseudomeningococcus group] Garcñ-Torres JA, et al. Rev Clin Esp 116:387-90, 28 Feb 70 (Spa)

DIAGNOSIS

"Bacteroides" bacteremia. Felner JM, et al. Am J Med 50:787-96, Jun 71
Rapid bacteremia diagnosis using field monitor membrane filtration. Stanaszek PM. Am J Med Technol 37:97-8, Mar 71
Metastatic endophthalmitis: a report of 3 cases in proven septicemia. Jarrett WH 2d, et al. South Med J 64:194-8, Feb 71
[Atypical case of gonococcal bacteremia] Jacobsen M, et al. Ugeskr Laeger 133:6-7, 8 Jan 71 (Dan)
[Value and interpretation of the results of a hemoculture] Viallier MJ. J Med Lyon 50:915-6 passim, 5 Jun 69 (Fre)
[Atypical course of a streptococcus-viridans infection] Freitag V, et al. Med Klin 66:882-5, 11 Jun 71 (Ger)
[Comparison of some methods for bacterial isolation in bacteremia] Werner HP. Zentralbl Bakteriol [Orig] 215:374-80, 1970 (Ger)

DRUG THERAPY

The role of antibiotics, vasoactive drugs and steroids in Gram-negative bacteremia. Petersdorf RG, et al. Ann NY Acad Sci 145:319-28, 27 Sep 67
Large doses of steroids in septicaemic shock. Rogers J. Br J Urol 42:742, Dec 70
Penicillin and mouth flora. Garrod LP. Br Med J 3:47, 3 Jul 71
The management of bacteremic shock. Lambert HP. Int Anesthesiol Clin 7:933-48, Winter 69 (18 ref.)
Carbenicillin in the treatment of the critically ill patient. Holloway WJ, et al. Int Z Klin Pharmakol Ther Toxikol 4:338-41, Apr 71
Panel discussion of the treatment of serious Gram-negative infections. Fekety FR Jr, et al. Postgrad Med J 47:Suppl:128-35, Feb 71
Use of cephalosporins in the treatment of Gram-negative bacillary bacteremia. Sanford JP. Postgrad Med J 47:Suppl:123-8, Feb 71
Treatment of candida septicaemia in a severely scalded child with amphotericin B. Wilson AN. Postgrad Med J 46:623-5, Oct 70
[The present treatment of staphylococcal and micrococcal septicemia and infections] Brisou J. Cah Med 11:1091-7, 10 Nov 70 (Fre)
[Therapeutic results of bactericidal antibiotic associations in septicemia] Bastin R, et al. Pathol Biol (Paris) 19:585-91, Jun-Jul 71 (Fre)
[Antibiotic therapy of bacteriemia and bacterial endocarditis] Martin WJ. Rev Lyon Med 18:287-302, 30 Apr 69 (Fre)
[Antibiotic treatment of septicemias caused by gram-negative rods] Monnier J. Rev Med Liege 25:688-702, 1 Nov 70 (Fre)
[Application of aminodeoxykanamycin (Kanendomycin 'Meiji') in the field of infernal medicine] Tsujimoto T, et al. Jap J Antibiot 24:191-6, Aug 71 (Jap)
[Use of nalidixic acid in infectious diseases of full-term and premature newborn infants] Andrade ZM de, et al. Hospital (Rio de J) 77:1847-62, Jun 70 (Por)
[Clinical study of 54 cases of septicemia with reference to the bacteriological and therapeutic problems] Gonzalez Benedetti A, et al. Rev Med Chil 99:281-8, Apr 71 (Spa)
[Treatment of enterococcal septicemia and endocarditis] Bengtsson E, et al. Lakartidningen 68:1087-92, 3 Mar 71 (Swe)

ETIOLOGY

Bacteriemia in newborns after catheterization of the umbilical vein. Pettay O, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:107, 1970
Hemophilus influenzae abscess associated with septicemia. Feigin RD, et al. Am J Dis Child 121:534-5, Jun 71
Transient bacteremia in pediatric patients following dental manipulatin. Speck WT, et al. Am J Dis Child 121:286-8, Apr 71
Raw liver as a possible source of Vibrio fetus septicemia in man. Soonattrakul W, et al. Am J Med Sci 261:245-9, May 71
Morbid and mortal complications associated with prolonged central venous cannulation. Awareness, recognition, and prevention. Henzel JH, et al. Am J Surg 121:600-5, May 71
Periodic variation in the antibacterial function of human neutrophils and its relationship to sepsis. Alexander JW, et al. Ann Surg 173:206-13, Feb 71
Infusion catheter sepsis: an increasing threat. Glover JL, et al. Ann Surg 173:148-51, Jan 71
Serratia marcescens bacteremia. Clinical observations and studies of precipitin reactions. Crowder JG, et al. Arch Intern Med 128:247-53, Aug 71
Septicemia with Pasteurella pseudotuberculosis and liver disease. Marlon A, et al. Arch Intern Med 127:947-9, May 71
Third day surgical fever. Altemeier WA, et al. Arch Surg 103:158-66, Aug 71
Biliary bacteremia. Chetlin SH, et al. Arch Surg 102:303-7, Apr 71
Gram-negative sepsis following operation for congenital heart disease. Diagnosis, management, and results. Pierce WS, et al. Arch Surg 101:698-703, Dec 70
Candida septicemia. William[illegible] RJ, et al. Arch Surg 103:8-11, Jul 71
Septicaemia in the burned patient. Daver BM. Br J Plast Surg 24:280-1, Jul 71
Bacteriaemia following urological surgery. Ives JC, et al. Br J Surg 58:449-50, Jun 71
Septic gonococcal dermatitis. Barr J, et al. Br Med J 1:482-5, 27 Feb 71
Fatal septicaemia due to Yersinia pseudotuberculosis. Borowski J, et al. Br Med J 1:556, 6 Mar 71
Case of septicaemia due to Yersinia enterocolitica. Chessum B, et al. Br Med J 3:466, Aug 71
Infectious complications of intravenous polyethylene catheters. Fredrick GR, et al. Calif Med 114:50-2, Jun 71
Bronchial geotrichosis with fungemia complicating bronchogenic carcinoma. Ghamande AR, et al. Chest 59:98-101, Jan 71
Bacteroides septicemia in older patients. Eliner PD, et al. J Am Geriatr Soc 19:296-300, Apr 71
Bacteraemia in patients receiving human cadaveric renal transplants. Leigh DA. J Clin Pathol 24:295-9, May 71
Chronic urinary salmonella carriers with intermittent bacteraemia. Farid Z. J Egypt Public Health Assoc 45:157-60, 1970
Pathogenesis of chronic salmonella bacteremia. Lehman JS Jr. J Egypt Public Health Assoc 45:161-70, 1970
Meningitis and bacteremia after ventriculoatrial shunt-revision: isolation of a lecithinase-producing Bacillus cereus. Leffert HL, et al. J Infect Dis 122:547-52, Dec 70
Septicemia due to Moraxella liquefaciens. Sellers DP, et al. J Maine Med Assoc 62:73, Apr 71
Bacteremia due to Serratia marcescens. Henjyoji EY, et al. J Trauma 11:417-21, May 71
Bladder bacteria: common but unique cause for sepsis. Postoperative endotox in responses. Drach GW, et al. J Urol 106:67-71, Jul 71
Indwelling intravenous polyethylene catheters. Factors influencing the risk of microbial colonization and sepsis. Fuchs PC. JAMA 216:1447-50, 31 May 71
Probable Mycobacterium fortuitum septicemia: complication of home dialysis. Katz MA, et al. Lancet 1:499, 6 Mar 71
Endocarditis due to Torulopsis glabrata. Lees AW, et al. Lancet 1:943-4, 8 May 71
Pseudomonas cepacia (multivorans) septicaemia in an intensive-care unit. Phillips I, et al. Lancet 1:375-7, 20 Feb 71
Gram-negative systemic bacteraemia in alimentary tract surgery. Burton RC. Med J Aust 1:1114-5, 22 May 71
Klebsiella septicaemia, disseminated intravascular coagulation and ulcerative colitis in an Australian Aboriginal. Lo D. Med J Aust 1:1279-80, 12 Jun 71
Transfusion-induced Enterobacter sepsis. Bennett JV. N Engl J Med 285:457-8, 19 Aug 71
Bacterial proliferation in platelet products stored at room temperature. Transfusion-induced Enterobacter sepsis. Buchholz DH, et al. N Engl J Med 285:429-33, 19 Aug 71
Septicemia from intravenous infusions. Duma RJ, et al. N Engl J Med 284:257-60, 4 Feb 71
Good-by, Mr. Gibbs. Elia J Jr. N Engl J Med 284:1218, 27 May 71
Management of intravenous infusions. N Engl J Med 284:1037-9, 6 May 71
Food and Drug Administration: is protecting lives the priority? Bazell RJ. Science 172:41-3, 2 Apr 71
Fatal pneumococcemia and sickle cell anemia. Dyment PG, et al. South Med J 64:758, Jun 71
Septicemia as a manifestation of acute liver failure. Gans H, et al. Surg Gynecol Obstet 132:783-90, May 71
Some observations on eperythrozoon infection in non-splenectomized sheep and the detection of the parasites and their antibodies by immunofluorescence. Ohder H. Zentralbl Bakteriol [Orig] 203:391-401, 1967
[Peritonitis a sepsis following cesarean section] Nevria F, et al. Cesk Gynekol 35:571-2, Nov 70 (Cze)
[Complications following treatment of progressive hydrocephalus using a ventriculo-cardiac shunt system] Lange SA de. Ned Tijdschr Geneeskd 114:1901-4, 14 Nov 70 (Dut)
[Evolutive chronic polyarthritis. Tetanus, septicemia and cholecystitis caused by Candida. 2 months of intensive care followed by cure] Huguenard P, et al. Ann Med Interne (Paris) 122:619-22, May 71 (Fre)
[Septicemia due to Yersinia enterocolitica: a case] Picard R, et al. Ann Med Interne (Paris) 122:215-8, Feb 71 (Fre)
[1st description of a case of human septicemia due to Pasteurella ureae] Gatti F, et al. Ann Soc Belg Med Trop 48:463-8, 1968 (Fre)
[Septicemia due to aspergillus after accidental immersion] Dehoux J, et al. Arch Mal Prof 30:243-8, Apr-May 69 (Fre)
[Non-suppurative manifestations of staphylococcal septicemias] Leng-Lévy J, et al. Bord Med 4:997-1007, Apr 71 (Fre)
[2 cases of post abortum perfringens septicemia. Death] Barraya PL, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:354-5, Jun-Aug 70 (Fre)
[Various septic eyeball wounds] Jalaber B, et al. Bull Soc Ophtalmol Fr 69:85-8, Jan 69 (Fre)
[Complications of alveolo-dental ligament disorders (monoarthritis)] Trévoux M. Cah Coll Med Hop Paris 10:807-13, Aug 69 (Fre)
[Septicemia due to Salmonella brandenburg] Lamisse F, et al. Cah Med 12:391-3, 15 Apr 71 (Fre)
[Post abortum bacteremic shock and coagulopathies of consumption] Dumont M, et al. Gynecol Obstet (Paris) 70:109-23, Jan-Feb 71 (Fre)
[The present seriousness of criminal abortion] Monrozies M. Gynecol Obstet (Paris) 70:79-94, Jan-Feb 71 (Fre)
[2 new cases of septicemias due to campylobacter foetus] Armengaud M, et al. Lyon Med 225:Suppl:49-53, 1971 (Fre)
[Extradigestive manifestations of salmonellosis] Bertrand JL, et al. Lyon Med 225:Suppl:39-47, 1971 (Fre)
[Septicemia caused by Ristella insolita and pseudo-insolita (4 further cases)] Marcel JP, et al. Lyon Med 224:835-8, 13 Dec 70 (Fre)
[Septicemia after digestive tract surgery] Mouchet A, et al. Mem Acad Chir (Paris) 95:702-8, 1969 (Fre)
[Postoperative septicemia in digestive tract surgery] Mouchet A, et al. Mem Acad Chir (Paris) 95:179-89, 1969 (Fre)
[Postoperative septicemia in digestive tract surgery] Olivier C, et al. Mem Acad Chir (Paris) 95:708-11, 1969 (Fre)
[The dental origin of Osler's disease] Jars, et al. Rev Odontostomatol Midi Fr 28:104-8, 1970 (Fre)
[Cryptococcosis: an opportunistic disease] Roujeau J, et al. Sem Hop Paris 47:832-40, 14 Mar 71 (Fre)
[Septicemia and bacteremia due to enterobacteriaceae of the group Klebsiella-Enterobacter-Serratia] Taranger C, et al. Sem Hop Paris 47:866-71, 20 Mar 71 (Fre)
[Septicemia caused by perfusion venous catheterization] Vic-Dupont V, et al. Sem Ther 44:253-6, Apr 68 (Fre)
[Recurrent infection from Haemophilus influenzae] Lehmann K, et al. Dtsch Gesundheitsw 26:676-8, 8 Apr 71 (Ger)
[Is tonsillogenic septicemia a disease of the young?] Olbrich H. HNO 19:204-6, Jul 71 (Ger)
[Meningitis and sepsis in newborns caused by B-streptococci (Streptococcus agalactiae)] Sander C, et al. Monatsschr Kinderheilkd 118:640-3, Dec 70 (Ger)
[A case of tonsillogenic sepsis] Airam D, et al. Monatsschr Ohrenheilkd Laryngorhinol 104:546-9, 1970 (Ger)
[Demonstrations from clinical bacteriology] Reber H. Pathol Microbiol (Basel) 36:279-80, 1970 (Ger)
[The etiology of progressive septic granulomatosis] Eschenbach C. Pediatr Res 4:493-9, Nov 70 (Ger)
[Fatal bacterial shock after urological operations] Simon V. Z Urol Nephrol 62:321-6, 1969 (Ger)
[Bacteremic shock caused by Escherichia coli during salmonellosis. Prior gastric resection] Maldacea F, et al. Policlinico [Prat] 78:555-8, 28 Apr 69 (Ita)
[Thrombophlebitis and infection from intravenous plastic cannulas. A clinical and microbiological study] Asbjornsen G. Nord Med 85:588-92, 13 May 71 (Nor)
[Complications in parenteral feeding] Bjordal R. Nord Med 85:605, 13 May 71 (Nor)
[Paratyphus, blastomycotic and mucormycotic septicemia in the course of acute myeloid leukemia]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rudkowski A, et al.
Pol Arch Med Wewn 46:99-102, 1971 (Pol)
[Incidence of septicemia and pyemia in patients who died from severe burns at the Institute of Hematology in the period 1954-1966] Sielczak M.
Pol Tyg Lek 25:1839-42, 30 Nov 70 (Pol)
[Septicemia in the premature infant] Prişcu R, et al.
Pediatria (Bucur) 20:193-204, May-Jun 71 (Rum)
[Suppurative infection in heart surgery] Burakovskiĭ VI, et al. Khirurgiia (Mosk) 46:81-7, Aug 70 (Rus)
[Septicemia in newborn with phlegmonous dacryocystitis] Averbukh SL, et al.
Oftalmol Zh 26:225-6, 1971 (Rus)
[Sepsis caused by gram-negative bacilli] Aliés Reinlein JM, et al. Rev Clin Esp 118:117-24, 31 Jul 70 (Spa)
[Clinical study of 54 cases of septicemia with reference to the bacteriological and therapeutic problems] Gonzalez Benedetti A, et al.
Rev Med Chil 99:281-8, Apr 71 (Spa)

HISTORY

[The illness and death of Semmelweis] (Semmelwies I), Regöly-Mérei G, et al.
Orv Hetil 112:929-36, 18 Apr 71 (Hun)

IMMUNOLOGY

Recurrent haemophilus septicaemia and immunoglobulin deficiency. Farrand RJ.
Arch Dis Child 45:582-4, Aug 70
Immunologic investigations of meningococcal disease. I. Group-specific Neisseria meningitidis antigens present in the serum of patients with fulminant meningococcemia. Edwards EA.
J Immunol 106:314-7, Feb 71
Detection by immunoelectrophoresis of antigen in sera of patients with pneumococcal bacteraemia. Dorff GJ, et al. Lancet 1:578-9, 20 Mar 71

METABOLISM

Carbohydrate metabolism in the baboon subjected to gram-negative (E. coli) septicemia. I. Hyperglycemia with depressed plasma insulin concentrations. Cryer PE, et al. Ann Surg 174:91-100, Jul 71
Hemodynamic and respiratory changes associated with sepsis following combat trauma. Hirsch EF, et al.
Ann Surg 174:211-6, Aug 71
Acid-base balance in bacteremic shock. Blair E.
Arch Intern Med 127:731-9, Apr 71

MICROBIOLOGY

Nonhistotoxic clostridial bacteremia. Alpern RJ, et al.
Am J Clin Pathol 55:717-22, Jun 71
Infections with Providence bacilli. A clinical and bacteriologic study. Solberg CO, et al.
Am J Med 50:241-8, Feb 71
Clostridium welchii septicotoxemia. A review and report of 3 cases. Smith LP, et al.
Am J Obstet Gynecol 110:135-49, 1 May 71
Bacillus cereus pneumonia and bacteremia. A case report. Coonrod JD, et al.
Am Rev Resp Dis 103:711-4, May 71
Aeromonas species isolates. Slotnick IJ.
Ann NY Acad Sci 174:503-10, 30 Oct 70
Bacteremia with and without meningitis due to Yersinia enterocolitica, Edwardsiella tarda, Comamonas terrigena, and Pseudomonas maltophilia. Sonnenwirth AC.
Ann NY Acad Sci 174:488-502, 30 Oct 70
Antibacterial action of "broad-spectrum" penicillins, cephalosporins and other antibiotics against Gram-negative bacilli isolated from bacteremic patients. Steigbigel NH, et al.
Ann NY Acad Sci 145:224-36, 27 Sep 67
Chronic meningococcemia. Nielsen LT.
Arch Dermatol 102:97-101, Jul 70
Coagulase-negative staphylococci as opportunist pathogens. Holt R. Arzneim Forsch 21:325-8, Mar 71
Experimental louping-ill in sheep and lambs. I. Viraemia and the antibody response. Reid HW, et al.
J Comp Pathol 81:291-8, Apr 71
Bacillus subtilis septicemia: report of two cases. Mohr JA, et al. J Okla State Med Assoc 64:350-2, Aug 71
Bacteroides bacteremia. Marcoux JA, et al.
Minn Med 53:1169-76, Nov 70
Septicemia caused by a microorganism of the genus Erwinia. Mildvan D, et al.
Mt Sinai J Med NY 38:267-72, Mar-Apr 71
Endocervical Neisseria meningitidis with meningococcemia. Keys TF, et al.
N Engl J Med 285:505-6, 26 Aug 71
Serratia marcescens sepsis. Fullen WD, et al.
Rev Surg 27:447, Nov-Dec 70
Hafnia septicemia. Mobley DF.
South Med J 64:505-6, Apr 71
Septicaemia due to acinetobacter strains. Iványi J, et al.
Zentralbl Bakteriol [Orig] 217:217-20, Jun 71
Metabolic and toxigenic activity of Staphylococcus aureus strains isolated from blood and from healthy carriers. A comparative study. Zak C, et al.
Zentralbl Bakteriol [Orig] 204:203-11, 1967
[Multiplication and virulence of septicemic and blood-infective agents in the organism of infected animals and in their cadavers. XVII. Studies on models of Cl. chauvoei, Cl. hystolyticum and Cl. gigas experimental infections] Karadzhov Ia, et al.
Izv Mikrobiol Inst (Sofiia) 20:131-5, 1969 (Bul)
[Experiments to explain the possibility of multiplication and increase in virulence of the septicemic-infective agent in the crop of blood-sucking arthropods. I. Study on a Pasteurella pseudotuberculosis model] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:121-9, 1969 (Bul)
[Multiplication and virulence of septicemic and blood-infective agents in the organism of the infected animals and in their cadavers. XVI. Study on models of Pseudomonas pseudomallei experimental infections] Velianov D, et al.
Izv Mikrobiol Inst (Sofiia) 20:137-45, 1969 (Bul)
[Gram-negative bacillus septicemia: 100 cases (1966-1969)] Sternon J, et al.
Acta Clin Belg 25:215-40, 1970 (Fre)
[Misleading results of blood cultures in burns] Vilain R, et al. Ann Chir Plast 16:5-11, 1971 (Fre)
[A case of septicemia caused by Malassez and Vignal bacilli] Dorche G, et al.
J Med Lyon 51:1347-51, 5 Jun 70 (Fre)
[Septicemia and bacteremia caused by Moraxella] Herne H, et al. Mars Med 106:577-90, 1969 (Fre)
[Candida sepsis in extensive burns] Hochleitner H, et al. Wien Klin Wochenschr 82:152-4, 27 Feb 70 (Ger)
[Vibrio fetus sepsis in thrombophlebitis] Blasius C, et al. Zentralbl Bakteriol [Orig] 214:17-22, 1970 (Ger)
[Genus Acinetobacter isolated from the blood culture of the patients with septicemia] Tokiwa H, et al.
Med Biol (Tokyo) 82:47-51, 10 Jan 71 (Jap)
[Comparative analysis of the etiologic structure of septicemias in the preantibiotic period and at the present time (literature review)] Genchikov LA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:80-2, May 71 (30 ref.) (Rus)
[Biologic characteristics of group D streptococci isolated from fetuses and newborns expiring during the perinatal period] Golius GI.
Zh Mikrobiol Epidemiol Immunobiol 47:96-100, Jun 70 (Rus)
[Pleuropulmonary form of pyocyaneus infection--a case report] Ristic D, et al.
Med Pregl 23:137-40, 1970 (Ser)
[Bacteremia and sepsis caused by Escherichia coli and other gram negative bacilli] Fališevac J, et al.
Lijec Vjesn 92:149-67, 1970 (Cro)

MORTALITY

Factors affecting mortality of gram-negative rod bacteremia. Bryant RE, et al.
Arch Intern Med 127:120-8, Jan 71
Death from septicemia following insertion of an intrauterine device. Report of a case. Ledger WJ, et al. Obstet Gynecol 37:845-8, Jun 68
Maternal deaths due to infection involving specific organisms. By the OSMA committee on maternal health. Ohio State Med J 67:526-8, Jun 71
Correlation of antibody response with survival in experimental pseudomonas sepsis. Hines JL, et al.
Rev Surg 28:70-1, Jan-Feb 71
[Death cases in newborns caused by ps. aeruginosa contaminated drinking-water] Weber G, et al.
Zentralbl Bakteriol [Orig] 216:210-4, 1971 (Ger)

OCCURRENCE

Yeasts septicemia and endocarditis. Mycological, immunological and therapeutical aspects. Drouhet E.
Antonie van Leeuwenhoek 35:Suppl:E15-6, Jun 69
Changing ecology of bacterial infections as related to antibacterial therapy. Finland M.
J Infect Dis 122:419-31, Nov 70
Epidemiologic aspects of postoperative sepsis in a urologic practice (with a note concerning antibacterial prophylaxis). Wilson FM, et al.
J Urol 105:295-300, Feb 71
The burns unit in Copenhagen. IX. Occurrence of septicaemia 1961-1968. Thomsen M.
Scand J Plast Reconstr Surg 4:141-7, 1970
Sepsis in human renal transplantation. McDonald JC, et al. Surgery 69:189-93, Feb 71
Epidemic of gram-negative organism septicemia subsequent to elective operation. Sack RA.
Trans Pac Coast Obstet Gynecol Soc 37:88-93, 1970
[Puerperal sepsis in Prague clinics during 1823] Sinkulová L. Cesk Gynekol 35:604-8, Dec 70 (Cze)
[Septicemia in a department of urology] Evard JP.
Urologe 10:161-5, Jul 71 (Ger)

PHYSIOPATHOLOGY

Escherichia coli bacteremic shock in conscious baboons. Buckberg G, et al.
Ann Surg 173:122-30, Jan 71
Effects of E. Coli organisms on hemodynamics of the dog lung. Kux M, et al. Ann Surg 173:116-21, Jan 71
Effects of E. coli septic shock on pulmonary hemodynamics and capillary permeability. Harrison LH Jr, et al.
J Thorac Cardiovasc Surg 61:795-803, May 71
Renal function after sepsis in combat casualties. Fletcher JR, et al.
Surg Gynecol Obstet 133:237-40, Aug 71
[Pulmonary edema in septicemic shock] Ciesielski L.
Przegl Lek 27:229-31, 1971 (Pol)

PREVENTION & CONTROL

Army treatment of gonorrhea. Grossman JB.
Ann Intern Med 75:135-6, Jul 71
Does breast milk protect against septicaemia in the newborn? Winberg J, et al. Lancet 1:1091-4, 29 May 71
Omnipen (ampicillin) for prophylaxis. Prior to oral surgery. Benson DD, et al. Minn Med 53:1023, Sep 70
Control of bacteremia associated with extraction of teeth. II. Cutcher JL, et al. Oral Surg 31:602-5, May 71
Comparison of oral penicillin G and clindamycin as prophylactic antibiotics in oral surgery. Wiesenbaugh JM Jr. Oral Surg 31:302-11, Mar 71
A reduction of Pseudomonas septicemias in burned patients by the immune process. Pierson C, et al.
Surg Clin North Am 50:1377-83, Dec 70 (21 ref.)
Effect of prophylactic antibiotics in preventing bacteremic infection of vascular prostheses. Moore WS, et al. Surgery 69:825-8, Jun 71

THERAPY

Septic shock in obstetric practice. Douglas GW.
J Am Osteopath Assoc 70:1332-4, Aug 71
[Colibacillus septicemia and bacteremia in resuscitation. Apropos of 20 cases] Bourdais A, et al.
Lyon Med 225:815-29, 9 May 71 (Fre)
[Use of antistaphylococcal plasma in the complex therapy of staphylococcal sepsis in premature children] Tabolin VA, et al.
Pediatriia 49:27-30, Oct 70 (Rus)

VETERINARY

Septic abortion in the Senegal bush baby (Galago senegalensis senegalensis). Butler H.
Folia Primatol (Basel) 13:207-12, 1970
Panophthalmitis associated with diplococcic septicemia in a rhesus monkey. Herman PH, et al.
J Am Vet Med Assoc 159:560-2, Sep 71
Observations on ovine strains of tick-borne fever. Foster WN, et al. J Comp Pathol 80:429-36, Jul 70
Chromobacterium septicemia in the gibbon. Johnsen DO, et al. J Infect Dis 122:563, Dec 70
Enzootic abortion in a canine colony. 3. Bacteremia, antibody response and mercaptoethanol sensitivity of agglutinins in naturally infested dogs. Van Hoosier GL Jr, et al. Lab Anim Care 20:964-8, Oct 70
Alpha hemolytic streptococci isolated from acute pneumonia and septicemia of Iowa swine. Brown LN.
Proc US Anim Health Assoc 73:589-95, 1969
Pneumococcal septicaemia in calves. McCrea CT.
Vet Rec 88:518-9, 15 May 71
[Clinical aspects, hematologic and microbiologic study of septic infections in cattle. I. Experimental septic E. coli infections in calves] Kohli RN, et al.
Izv Mikrobiol Inst (Sofiia) 20:209-23, 1969 (Bul)
[The diagnostic significance of inclusion bodies in hemorrhagic virus septicemia (HSV) of trout] Hofmann W.
Dtsch Tieraerztl Wochenschr 78:14-7, 1 Jan 71 (Ger)
[Pathomorphology and etiopathogenesis of avian respiratory mycoplasmosis and colisepticemia] Ibragimov AA, et al. Veterinariia 10:65-8, Oct 70 (Rus)

SEPTUM PELLUCIDUM see under CEREBRAL VENTRICLES (A8)

SERAX see OXAZEPAM (D6)

SERIAL LEARNING (F1)

The conservation of number, mother, water and a fried egg chez l'enfant. Green RT, et al.
Acta Psychol (Amst) 32:1-30, Jan 70
Short-term memory for serially presented supraspan information in nonretarded and mentally retarded individuals. Anders TR.
Am J Ment Defic 75:571-8, Mar 71
Sociopathy and serial learning of CVC combinations with high and low social content ratings. Sutker PB, et al. J Pers Soc Psychol 17:158-62, Feb 71
Perceptual categorization: a parallel between perceptual identification and serial learning. Houck RL, et al. Percept Mot Skills 32:578, Apr 71
Changes of pupil size and rehearsal strategies in a short-term memory task. Kahneman D, et al.
Q J Exp Psychol 23:187-96, May 71
[Effects of a series as analyzer of the process of short-term memory] Oléron G.
Annee Psychol 70:73-94, 1970 (Fre)

DRUG EFFECTS

Effects of infused testosterone on mental

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

performances and serum LH. Klaiber EL, et al. J Clin Endocrinol Metab 32:341-9, Mar 71

SERINE (D10)

see also related
AZASERINE (D3, D4)
CYCLOSERINE (D3)

Molecular structures of amino acids and peptides. I. The crystal structure and conformation of DL-O-serine phosphate monohydrate. Very short phosphate-phosphate hydrogen bonds. Putkey E, et al. Acta Crystallogr [B] (Kbh) 26:782-9, 15 Jun 70
Molecular structures of amino acids and peptides. II. A redetermination of the crystal structure of L-O-serine phosphate. A very short phosphate-carboxyl hydrogen bond. Sundaralingam M, et al. Acta Crystallogr [B] (Kbh) 26:790-800, 15 Jun 70
Kinetic studies of tryptophan synthetase. Interaction of L-serine, indole, and tryptophan with the native enzyme. Faeder EJ, et al. Biochemistry 10:1041-5, 16 Mar 71
Isolation and characterization of serine transfer ribonucleic acids from rat liver. Müller P, et al. Biochemistry 10:1885-90, 11 May 71
Structure of serine tRNA from Escherichia coli. I. Purification of serine tRNA's with different codon responses. Ishikura H, et al. Biochim Biophys Acta 228:471-81, 28 Jan 71
The disulfide bridge sequences of a serine protease of wide specificity from Streptomyces griseus. Johnson P, et al. Can J Biochem 49:548-62, May 71
Proteolytic enzymes. Spickett RG. Chem Ind 3:83-94, 16 Jan 71
Nucleotide sequences of rat liver serine-tRNA. 3. The partial enzymatic of serine-tRNA and derivation of its total primary structure. Ginsberg T, et al. Eur J Biochem 21:249-57, 29 Jul 71
Nucleotide sequences of rat liver serine-tRNA. 1. Products of digestion with pancreatic ribonuclease. Rogg H, et al. Eur J Biochem 21:235-42, 29 Jul 71
Nucleotide sequences of rat liver serine-tRNA. 2. The products of digestion with ribonuclease T. Rogg H, et al. Eur J Biochem 21:243-8, 29 Jul 71
RNA synthesis in cells infected with herpes simplex virus. 3. Absence of virus-specified arginyl- and seryl-tRNA in infected HEp-2 cells. Morris VL, et al. J Mol Biol 52:247-63, 14 Sep 70
Kinetics of the proton-transfer reactions of serine and threonine. White RD, et al. J Phys Chem 75:161-3, 7 Jan 71
Seryl-tRNA in mammalian tissues: chromatographic differences in brain and liver and a specific response to the codon, UGA. Hatfield D, et al. Proc Natl Acad Sci USA 67:1200-6, Nov 70
[Chemical synthesis and enzymatic cleavage of serine-O-beta-glycosides of N-acetylglucosamine and N-acetylgalactosamine] Werries E, et al. Hoppe Seylers Z Physiol Chem 351:1089-99, Sep 70 (Ger)
[Synthesis of serine methyl ester hydrochloride] Pakula R, et al. Acta Pol Pharm 27:517-8, 1970 (Pol)

ANALYSIS

The occurrence in proteins of the tripeptides Asn-X-Ser and Asn-X-Thr and of bound carbohydrate. Hunt LT, et al. Biochem Biophys Res Commun 39:757-65, 22 May 70
Gas chromatographic determination of the configuration of alanine and serine in staphylococcal cell walls. Gil-Av E, et al. Biochim Biophys Acta 211:101-3, 7 Jul 70
Haemoglobin Rampa: Alpha 95 Pro--Ser. Jong WW de, et al. Biochim Biophys Acta 236:197-200, 27 Apr 71
Conformations of amino acids calculated from molecular orbital theory. George JM, et al. Experientia 26:952-3, 26 Sep 70
[Erythrocyte carbvonic anhydrases. VII. Characterization of an N-terminal acetylserine residue in C human and B bovine carbonic anhydrase] Marriq C, et al. Bull Soc Chim Biol (Paris) 52:253-67, 17 Apr 70 (Fre)

BIOSYNTHESIS

Control of serine biosynthesis in Micrococcus lysodeikticus: inhibition of phosphoglyceric acid dehydrogenase. Nelson JD Jr, et al. Can J Microbiol 17:25-30, Jan 71
The synthesis of L-serine by Micrococcus lysodeikticus. Nelson JD Jr, et al. Can J Microbiol 17:73-7, Jan 71
Changes in the pathways for serine biosynthesis in the developing amphibian. Sallach HJ, et al. Comp Biochem Physiol 27:213-25, Oct 68
Iron transport in Salmonella typhimurium: mutants blocked in the biosynthesis of enterobactin. Pollack JR, et al. J Bacteriol 104:635-9, Nov 70
Studies on the role of 3-phosphoglycerate dehydrogenase in the regulation of serine biosynthesis in rat liver. Davis JL, et al. J Biol Chem 245:5838-46, 10 Nov 70
[Stereochemistry of the incorporation of formate-3H into L-serine by rat liver] Bielimann JF, et al. Bull Soc Chim Biol (Paris) 52:211-27, 31 Mar 70 (Fre)
[The intensity of glycine conversion to serine, aspartate and glutamate in the brain under normal conditions and in hypoxia] Zakharova LI. Nerv Sist 10:103-7, 1969 (Rus)

ISOLATION & PURIFICATION

The structure of enterochelin and related 2,3-dihydroxy-N-benzoylserine conjugates from Escherichia coli. O'Brien IG, et al. Biochim Biophys Acta 215:393-402, 14 Aug 70

METABOLISM

Major pathways of glycine and serine catabolism in rat liver. Yoshida T, et al. Arch Biochem Biophys 139:380-92, Aug 70
Studies on the enzymatic synthesis of 2,3-dihydroxy-N-benzoyl-L-serine in Escherichia coli. Bryce GF, et al. Biochem Biophys Res Commun 42:871-9, 5 Mar 71
The enzymic and non-enzymic cleavage of N-terminal L-serine O-sulphate. Tudball N, et al. Biochem J 120:895-7, Dec 70
Phospholipid metabolism during the development of the liver. The incorporation of [1,2-14C]ethanolamine, [2-3H]myo-inositol and L-[U-14C]serine into phospholipids by liver slices. Weinhold PA, et al. Biochemistry 10:1090-6, 16 Mar 71
The role of L-serine dehydratase in the metabolism of L-serine in the perfused rat liver. Chan TM, et al. Biochim Biophys Acta 237:99-106, 20 Apr 71
Biosynthesis of -cyanoalanine in Vicia sativa. Nigam SN, et al. Can J Biochem 49:799-801, Jul 71
Metabolism of serine and glycine in E. coli K12. I. The role of formate in the metabolism of serine-glycine auxotrophs. Newman EB. Can J Microbiol 16:933-40, Oct 70
The effect of loading doses of unlabeled methionine on the oxidative catabolism of 14C-labeled histidine and serine in vivo. Tran N, et al. Can J Physiol Pharmacol 48:653-6, Sep 70
Two enzymes of serine metabolism in rat liver and hepatomas. Davis JL, et al. Cancer Res 30:2917-20, Dec 70
Serine metabolism in the culture form of Trypanosoma cruzi: distribution of 14C from serine into metabolic fractions. Hampton JR. Comp Biochem Physiol 38:535-40, 1 Mar 71
In vitro incorporation of 14C labeled precursors into swine coronary arterial phospholipids. Morin RJ. Experientia 26:1214-5, 15 Nov 70
In vitro incorporation of 14C-serine into proteins of crude liver microsomal fraction of riboflavin deficient rats. Pandit VI, et al. Indian J Exp Biol 8:89-91, Apr 70
L-Serine-sensitive mutants of Escherichia coli K-12. Cosloy SD, et al. J Bacteriol 103:840-1, Sep 70
Characterization of pyridoxine auxotrophs of Escherichia coli: serine and pdxF mutants. Dempsey WB, et al. J Bacteriol 104:658-67, Nov 70
The metabolism in vivo of glycine and serine in eight areas of the rat central nervous system. Shank RP, et al. J Neurochem 17:1461-75, Oct 70
Vitamin D3 action on D,L-serine-3-14C incorporation into phospholipid fractions with rat liver mitochondria. Hosoya N, et al. J Vitaminol (Kyoto) 16:190-5, Sep 70
Altered lipid and serine metabolism in graft-versus-host disease. Toya RE, et al. Radiat Res 46:547-56, Jun 71
[In vivo and in vitro utilization of L-phosphorylserine in the microsomal synthesis of phospholipids in rat brain] Pirotta MG, et al. Farmaco [Sci] 26:456-73, May 71 (Ita)
[Intensity of serine, aspartate and glutamate metabolism in brain and liver at different periods after injection of glycine-2C14] Khodzhaĭova GK, et al. Vestn Leningr Univ [Biol] 1:114-20, Feb 70 (Rus)

PHARMACODYNAMICS

Physiology of interferonogenesis. II. Mechanism of action of alanine and serine on interferon production in chick embryo fibroblast cultures. Reizin FN, et al. Acta Virol (Praha) 15:199-204, May 71
Catalytic activity of trypsin with an acylated "active" serine. Bresler SE, et al. Eur J Biochem 18:131-9, 1 Jan 71
Biosynthetic L-threonine deaminase as the origin of L-serine sensitivity of Escherichia coli. Raskó I, et al. Eur J Biochem 21:424-7, 16 Aug 71
Aromatic amino acid decarboxylase inhibitors. Porter CC. Fed Proc 30:871-6, May-Jun 71
Effect of serine hydroxamate on the growth of Escherichia coli. Tosa T, et al. J Bacteriol 106:966-71, Jun 71
Biochemical bases for the antimetabolite action of L-serine hydroxamate. Tosa T, et al. J Bacteriol 106:972-82, Jun 71
Regulation of L-cysteine biosynthesis in Salmonella typhimurium. I. Effects of growth of varying sulfur sources and O-acetyl-L-serine on gene expression. Kredich NM. J Biol Chem 246:3474-84, 10 Jun 71
Effect of glycine and serine on methionine metabolism in rats fed diets high in methionine. Benevenga NJ, et al. J Nutr 100:1205-14, Oct 70

SERINE DEAMINASE see under HYDRO-LYASES (D9)

SERINE, PHOSPHATIDYL see under CEPHALINS (D11)

SERODIAGNOSIS (E1)

Recent developments in serologic methods for the diagnosis of coccidioidomycosis. 3. A soluble antigen fluorescent antibody test. Wallraff EB, et al. Am J Clin Pathol 55:418-23, Apr 71
Serologic diagnosis of systemic candidiasis in patients with acute leukemia. Rosener F, et al. Am J Med 51:54-62, Jul 71
The value of serological tests in the diagnosis of candidiasis. Buckley HR, et al. Antonie van Leeuwenhoek 35:Suppl:E19-20, Jun 69
Comparison of the streptozyme test with the antistreptolysin O, antideoxyribonuclease B, and antihyaluronidase tests. Klein GC, et al. Appl Microbiol 21:257-9, Feb 71
Microflocculation assay for gonococcal antibody. Reising G. Appl Microbiol 21:852-3, May 71
Betonite flocculation test for the detection of foot-and-mouth disease antibodies. Butterfield WK. Arch Gesamte Virusforsch 32:157-62, 1970
Measurement of immunological function in clinical medicine. Forbes IJ. Aust NZ J Med 1:160-70, May 71
Diagnosis of whooping cough: comparison of serological tests with isolation of Bordetella pertussis. A combined Scottish study. Br Med J 4:637-9, 12 Dec 70
Comparison of various serological tests on the milk of sheep in relation to the isolation of Brucella melitensis. Ebadi A. Br Vet J 127:105-12, Mar 71
Studies on bovine virus diarrhea: serum neutralization, complement-fixation and immunofluorescence. Ruckerbauer GM, et al. Can J Comp Med 35:230-8, Jul 71
Experience at the National Communicable Disease Center with micro serological techniques for the diagnosis of viral diseases. Casey HL. Health Lab Sci 7:233-6, Oct 70
Serological diagnosis of parasitic diseases. Prakash O, et al. Indian J Pediatr 37:395-406, Aug 70 (78 ref.)
Practical serology of the systemic mycoses. Gordon MA. Int J Dermatol 9:209-14, Jul-Sep 70
Comparison of diagnostic tests for infectious mononucleosis. Feorino PM, et al. J Am Coll Health Assoc 19:190-3, Feb 71
Comments on serologic procedures in the study of feline panleukopenia. Csiza CK. J Am Vet Med Assoc 158:Suppl 2:884-7, 15 Mar 71
Serologic procedures for the study of feline panleukopenia. Johnson RH. J Am Vet Med Assoc 158:Suppl 2:876+, 15 Mar 71
Dried paper discs for serological identification of human mycoplasmas. Dighero MW, et al. J Appl Bacteriol 33:750-7, Dec 70
Use of plasma instead of serum in laboratory tests for infectious mononucleosis. Davidson RJ, et al. J Clin Pathol 24:259-62, Apr 71
Studies on the accessory factor for the toxoplasma dye test: essential role of complement. Suzuki M, et al. J Parasitol 57:924-5, Aug 71
Studies on the infection of Mycoplasma pneumoniae. I. Application of immunofluorescent antibody method to serodiagnosis of primary atypical pneumonia. Honda H. Kumamoto Med J 23:92-102, 30 Sep 70
Protamine-sulphate solutions for the detection of Brucella antibodies. Anderson K. Lancet 2:1081, 21 Nov 70
Non-specific complement fixation with Coxiella burnetii and psittacosis antigens in adenovirus pneumonia. Stephens AW. Med Lab Technol 28:205-7, Apr 71
Blood and disease. Nature (Lond) 228:1129, 19 Dec 70
A serologic method using charcoal particles from commercial India ink. Application to several antigen-antibody systems with special reference to the rheumatoid factor. Erill S, et al. Pathol Microbiol (Basel) 36:173-8, 1970
Production of hemadsorption-negative areas by serums containing Australia antigen. Carver DH, et al. Science 172:1265-7, 18 Jun 71
Diagnostic aids for immunological disorders. Palmer RL. Tex Med 67:79-85, Mar 71
Multipurpose serological surveys. WHO Chron 25:99-101, Mar 71
[Demonstrating serum anti-gamma globulin factors with erythrocytes sensitized by Vi-polysaccharides and anti-D-complete serum] Toshkov A, et al. Izv Mikrobiol Inst (Sofiia) 20:165-70, 1969 (Bul)
[Microprecipitation reaction in agar-gel (MPA) for serological diagnosis in toxoplasmosis] Hübner J, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cesk Epidemiol Mikrobiol Imunol 20:97-101, Mar 71 (Cze)
[Serodiagnosis of pemphigus] Thivolet J, et al. Arch Belg Dermatol Syphiligr 26:487-99, Jul-Sep 70 (Fre)
[Diagnostic value of carcino-fetal antigens in digestive tumors] Martin F, et al. Arch Fr Mal App Dig 60:95-102, Mar 71 (Fre)
[Differentiation by serologic tests and lysotyping of Proteus strains. Epidemiologic study of a source of food poisoning] Popovici M, et al. Arch Roum Pathol Exp Microbiol 28:195-202, Mar 69 (Fre)
[Serodiagnosis of leptospirosis] Mailloux M. Biol Med (Paris) 58:89-132, Mar-Apr 69 (238 ref.) (Fre)
[Practical data obtained from serodiagnosis] Lacut JY. Bord Med 4:1261-74, Apr 71 (Fre)
[Comparative study of various serologic methods for the study of irregular agglutinins] Krieg H. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:427, 1968 (Fre)
[Diagnosis of visceral leishmaniasis by the culture inhibition reaction] Jadin J, et al. Bull Soc Pathol Exot 63:334-41, May-Jun 70 (Fre)
[Immunological diagnosis of parasitic diseases] Capron A, et al. Lille Med 16:81-4, 1971 (Fre)
[Interpretation of the serologic response in rickettsial diseases] Capponi M. Med Trop (Mars) 29:504-7, Jul-Aug 69 (Fre)
[Immunological diagnosis of hydatidosis (study of the comparative value of 5 serological technics)] Quilici M, et al. Med Trop (Mars) 31:207-13, Mar-Apr 71 (Fre)
[Electron microscopic detection of mengovirus in L cells with ferritin-labeled antibodies] Wagner M, et al. Arch Gesamte Virusforsch 32:147-56, 1970 (Ger)
[Serology of chronic polyarthritis] Seidel K, et al. Beitr Orthop Traumatol 17:724-7, 1970 (Ger)
[Use of post-transferrin polymorphism (Pt) in paternity determination tests] Prokop O, et al. Dtsch Gesundheitsw 25:1910-2, 1 Oct 70 (Ger)
[The leukocyte resistance test as an in vitro procedure for the determination of the effect of anti-lymphocyte and anti-granulocyte antibodies] Schröder J. Folia Haematol (Leipz) 94:314-25, 1970 (Ger)
[Comparative microscopy, culture and serology studies on Trichomonas vaginalis] Beck KJ, et al. Geburtshilfe Frauenheilkd 31:551-60, Jun 71 (Ger)
[Serological test for viral hepatitis (HIM-test)] Tilz GP, et al. Med Klin 65:1302-4, 3 Jul 70 (Ger)
[Can the exchange transfusion in children with morbus haemolyticus neonatorum influence the results of Infucoli exchange sedimentation and serological tests?] Riechers F, et al. Paediatr Grenzgeb 9:77-86, 1970 (Ger)
[General and practical aspects of virus diagnosis] Hahn EE. Praxis 59:531-5, 7 Apr 70 (Ger)
[Possibilities of immunohistochemical diagnosis in autoimmune diseases] Hess MW. Praxis 59:536-8, 7 Apr 70 (Ger)
[Serology of venereal infections] Meyer-Rohn J. Z Allgemeinmed 47:887-90, 20 Jun 71 (Ger)
[Significance of the copper chloride reaction by the Riebeling technic for the diagnosis of rheumatic diseases] Siering H, et al. Z Gesamte Inn Med 26:102-7, 1 Feb 71 (Ger)
[The suitability of spore-forming organisms for a serological method for tumor diagnosis] Möse JR. Zentralbl Bakteriol [Orig] 213:240-58, 1970 (Ger)
[Serodiagnosis of leptospirosis. Comparative study of the Martin and Petit test and macroscopic agglutination on slides] Perduca M. G Batteriol Virol Immunol 63:239-47, Jul-Aug 70 (Ita)
[Present status and the future of clinical serology] Fukuoka Y. J Jap Med Assoc 65:474-95, 15 Feb 71 (Jap)
[Serological survey for the diagnosis of Chagas' disease among donors in a Recife blood bank] Huggins D, et al. An Esc Nacl Saude Publica Med Trop (Lisb) 3:91-101, Jan-Dec 69 (Por)
[Epidemiology of toxoplasmosis. Contact with animals at home and at work] Gomes MC. Rev Assoc Med Bras 16:141-6, May 70 (Por)
[Immunodiagnosis in schistosomiasis] Reis AP dos. Rev Assoc Med Bras 17:87-92, Mar 71 (63 ref.) (Por)
[Immunological diagnosis of Chagas' disease. Serological development of patients with Chagas' disease] Cerisola JA, et al. Rev Inst Med Trop Sao Paulo 12:403-11, Nov-Dec 70 (Por)
[Immunologic methods of diagnosing Botkin's infectious hepatitis] Gorkina ZA. Klin Med (Mosk) 49:18-22, Apr 71 (55 ref.) (Rus)
[Indirect hemagglutination reaction in the diagnosis of tuberculosis of the female genitalia] Kuzavova NI. Probl Tuberk 48:83-4, 1970 (Rus)
[Specific laboratory methods for diagnosing dysentery] Lipkin ME. Sov Med 33:52-7, Jul 70 (19 ref.) (Rus)
[Use of O-antistreptolysin reaction in dermatology] Markevich VS. Sov Med 33:101-5, Sep 70 (Rus)
[Significance of the hemolysin test in the diagnosis of infectious mononucleosis in children] Ivanova GM. Vopr Okhr Materin Det 15:34-7, Nov 70 (Rus)
[Comparative evaluation of methods of determining incomplete antibodies following experimental immunization] Agranovskaia EN. Zh Mikrobiol Epidemiol Immunobiol 46:44-7, Oct 69 (Rus)
[The value of the serologic method in studying the nosogeography of Q fever] Fedorova NI. Zh Mikrobiol Epidemiol Immunobiol 46:31-5, Oct 69 (Rus)
[Serologic diagnosis of salmonellosis and the antigenic bonds in reactions with erythrocyte and bacterial O-diagnosticums] Subbotina IuL, et al. Zh Mikrobiol Epidemiol Immunobiol 47:19-24, Mar 70 (Rus)
[Methods of statistical treatment of the results of serologic tests] Tambovtsev EP, et al. Zh Mikrobiol Epidemiol Immunobiol 46:28-31, Oct 69 (Rus)
[Method of statistical treatment of single and multiple serological reactions by a multichannel system] Tambovtsev EP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:74-9, Jan 71 (Rus)
[Immunological methods in the diagnosis of hydatidosis] Calderón C. Bol Chil Parasitol 25:129-33, Jul-Dec 70 (Spa)
[Comparison of the Sabin Feldman and indirect immunofluorescence reactions for toxoplasmosis in 1,263 human sera] Stagno S, et al. Bol Chil Parasitol 25:102-5, Jul-Dec 70 (Spa)
[Rheumatoserology. Its application in orthopedics] Duek R. Med Panam 22:5-6, 1 Jan 64 (Spa)
[Immunologic diagnosis of amebiasis] Prensa Med Mex 35:36-40, Jan-Feb 70 (Spa)
[Immunologic diagnosis in the different states of human hydatidosis] Purriel P, et al. Torax 19:183-7, Sep 70 (Spa)
[Immunologic method of diagnosis in female genital tuberculosis] Timchenko BS. Pediatr Akush Ginekol 1:53-5, Jan-Feb 71 (Ukr)

STANDARDS

Reproducibility in the serological laboratory. Hall EC, et al. Health Lab Sci 7:63-8, Apr 70
[Quality control of serological tests, with special reference to syphilis serodiagnosis] Fukuoka Y. Jap J Clin Pathol 18:Suppl:45-60, 1970 (Jap)
[Quality control of serological reactions] Suzuta T. Jap J Clin Pathol 18:Suppl:61-9, 1970 (Jap)

VETERINARY

Serologic evidence for adenovirus infection in California cattle. Bibrack B, et al. Am J Vet Res 32:805-7, May 71
Swine abscesses caused by Lancefield's group E streptococci. IX. Comparison of the precipitin, hemagglutination and agglutination tests for their detection. Wessman GE, et al. Cornell Vet 61:400-14, Jul 71
Use of conglutinating complement absorption inhibition test for detecting arbovrus inhibiting antibodies in chicken sera. Singh G. Indian J Med Res 58:667-82, Jun 70
Clinical evaluation of a latex particle agglutination test and a gel diffusion precipitin test in the diagnosis of canine coccidioidomycosis. Yturraspe DJ. J Am Vet Med Assoc 158:1249-56, 1 Apr 71
[Serodiagnosis of ectromelia in laboratory mice] Rohde W, et al. Arch Exp Veterinaermed 24:655-60, 1970 (Ger)
[Use of the metabolic inhibition test (MI-test) for Mycoplasma gallisepticum] Friedrich H. Dtsch Tieraerztl Wochenschr 77:12-4, 1 Jan 70 (Ger)

SEROLOGY (G2)

[The use of automatic pipettes in the bacteriological-serological laboratory] Rotter M. Zentralbl Bakteriol [Orig] 214:281-4, 1970 (Ger)

INSTRUMENTATION

Comparison of different methods for serial dilution used in serological routine work. Kaijser B, et al. Acta Pathol Microbiol Scand [B] 78:266-7, 1970
Continuous dispenser for multiple-well serological plate. Middlebrook G, et al. Appl Microbiol 20:852-3, Nov 70

SEROSITIS (C17)

COMPLICATIONS

Gynecological aspects of recurrent polyserositis (familial Mediterranean fever, periodic disease). Ehrenfeld EN, et al. Isr J Med Sci 6:9-13, Jan-Feb 70
Incidence of amyloidosis in recurrent polyserositis (familial Mediterranean fever). Eliakim M. Isr J Med Sci 6:2-8, Jan-Feb 70
[Case of purulent polyserositis] Lukjan Z. Gruzlica 38:1213-4, 1970 (Pol)

SEROTHERAPY (E2)

Recent developments in blood components therapy. Ann Intern Med 74:113-25, Jan 71
Our experience in associated immunotherapy of cancer. Costáchel O, et al. Arch Geschwulstforsch 37:19-32, 1971
Cryotherapy and autogenous serum therapy. Amoils SP, et al. Arch Ophthalmol 86:113-4, Jul 71
Prospects for immunotherapy of cancer: experience in experimental systems. Alexander P. Br Med J 4:484-6, 21 Nov 70
Immunological treatment of leukaemias. Mathé G. Br Med J 4:487-8, 21 Nov 70
Immunotherapy of cancer. Woodruff M. Br Med J 4:486-7, 21 Nov 70
Antiserum against smallpox. Br Med J 4:385-6, 14 Nov 70
Cytolytic effects of alloantiserum in patients with lymphoproliferative disorders. Herberman RB, et al. Cancer 28:365-71, Aug 71
Immunization schedules for potentrabbit antisera to leukemia L1210. Kim A, et al. Cancer Res 31:7-11, Jan 71
Specificity of rabbit antisera against mouse leukaemias in vitro. Reif AE, et al. Immunology 20:1087-97, Jun 71
Evaluation of serotherapy in experimental burns. Chakrabarty AN, et al. Indian J Med Res 57:1507-11, Aug 69
The patient self (P-S) test. Demonstration of a rise in blocking antibodies after treatment with Allpyral. Munro-Ashman D, et al. Int Arch Allergy Appl Immunol 40:448-53, 1971
The use of irradiated immune lymphoid cells for immunotherapy of primary tumors in rats. Alexander P, et al. Isr J Med Sci 7:239-45, Jan 71
Immunological enchancement of human kidney graft. Batchelor JR, et al. Lancet 2:1007-10, 14 Nov 70
Tumour immunotherapy. Russo V, et al. Lancet 1:1300, 19 Jun 71
Fulminant hepatitis treated with serum containing antibody to Australia antigen. Gocke DJ. N Engl J Med 284:919, 22 Apr 71
Treatment of murine leukaemia with heterologous antiserum or cyclophosphamide. Hill GJ 2d. Nature (Lond) 232:196-7, 16 Jul 71
Development of a specific anti-leukaemic serum for the treatment of leukaemia in clinics. Sahasrabudhe MB, et al. Nature (Lond) 232:197-8, 16 Jul 71
Treatment of malignant tumours with high doses of nitrogen mustard (TS 160) and-or high doses of ionizing radiation under the protection of autologous bone marrow (evaluation after a period of 7 years). Kolář V, et al. Neoplasma 17:535-40, 1970
A reduction of Pseudomonas septicemias in burned patients by the immune process. Pierson C, et al. Surg Clin North Am 50:1377-83, Dec 70 (21 ref.)
The treatment of human cancer by immunologic methods. Goldstein G, et al. Va Med Mon 98:100-5, Feb 71
[Application of an original method of immunotherapy in endemic diseases and tumors] Aractingi TR. Agressologie 11:395-400, 1970 (Fre)
[Trial immunological treatment of experimental hemorrhagic shock] Laborit H, et al. Agressologie 11:431-5, 1970 (Fre)
[Chronic hepatitis and Australia antigen. Therapeutic trial with serum containing the corresponding antibody] Geffroy Y, et al. Ann Gastroenterol Hepatol (Paris) 6:465-72, Nov-Dec 70 (Fre)
[Treatment of uveitis with perfusions of plasma enriched with antibodies (preliminary note)] Hamard H, et al. Bull Soc Ophtalmol Fr 70:655-6, May-Jun 70 (Fre)
[Cellular immunotherapy of cerebral glioblastoma. Apropos of 2 results] Trouillas P, et al. J Med Lyon 50:1269-91, 5 Oct 69 (Fre)
[Serotherapy of allergic asthma] Charpin J. Maroc Med 535:295-6, May 70 (Fre)
[Effect of blood extract on the regeneration of the aortic wall] Kerényi T, et al. Arzneim Forsch 21:474-6, Apr 71 (Ger)
[Effect of heterologous specific leukemia antibodies in vivo in human myeloses] Janele J, et al. Folia Haematol (Leipz) 94:235-40, 1970 (Ger)
[Role of the host in the clinical effect of antibacterial chemotherapy] Adam D, et al. Med Klin 66:344-51, 5 Mar 71 (Ger)
[Homologous antibody therapy in surgical patients] Dreischulte B, et al. Med Welt 35:1320-2, 28 Aug 71 (Ger)
[Immunity, neoplasms and immunization. Treatment with human placenta serum] Ackermann G. Minerva Ginecol 23:102-7, 31 Jan 71 (Ger)
[Treatment of sarcoidosis (Besnier-Boeck-Schaumann disease)] Breyne H. Munch Med Wochenschr 112:1607-11, 4 Sep 70 (Ger)
[Blood extract without protein (actihaemyl) as an adjuvant to improve the motility of spermatozoa. Experimental examinations] Milbradt R, et al. Munch Med Wochenschr 113:142-4, 22 Jan 71 (Ger)
[Intra-arterial treatment of peripheral circulatory disorders with trophic lesions] Hürlimann F. Praxis 59:1435-43, 13 Oct 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Immunotherapy of cancer] Nagel GA.
Praxis 59:1047-8, 21 Jul 70 (Ger)
[Our experience in the immunotherapy of tumors] Gazzera G.
G Batteriol Virol Immunol 63:291-3, Jul-Aug 70 (Ita)
[The effect of various means of administering antitumor serum on the mitotic activity and DNA concentration of tumor cells] Sukhorukikh SV.
Biull Eksp Biol Med 66:81-3, Sep 68 (Rus)
[Various immunobiologic properties of the serum in multiple sclerosis] Tsaregorodtseva TM, et al.
Biull Eksp Biol Med 67:89-92, Jun 69 (Rus)
[Use of hyperimmune antistaphylococcal plasma] Papko GF, et al.
Khirurgiia (Mosk) 46:88-91, Jul 70 (Rus)
[Effect of immunohemotherapy on the function of the liver reticuloendothelial system in burn disease] Nedoshivina RV.
Patol Fiziol Eksp Ter 15:59-61, May-Jun 71 (Rus)
[Use of antistaphylococcal plasma in the complex therapy of staphylococcal sepsis in premature children] Tabolin VA, et al.
Pediatriia 49:27-30, Oct 70 (Rus)
[Use of sterilized serum "F" prepared from washed fibrinolyzed blood] Litovchenko EA, et al.
Probl Gematol Pereliv Krovi 15:59-60, Sep 70 (Rus)
[Newest data in the field of leukocology and blood transfusion according to materials of the XII International Congress on blood transfusion] Lorie Iul. Ter Arkh 42:5-9, Jun 70 (Rus)
[Immunochromatographic method of separating highly purified preparations of influenza antibodies and their use in virological practice] Meshcheriakova IE, et al. Vestn Akad Med Nauk SSSR 25:65-73, 1970 (Rus)
[Use of antistaphylococcal placental gamma-globulin in newborns and young children with staphylococcal diseases] Golosova TV, et al.
Vopr Okhr Materin Det 15:27-30, Nov 70 (Rus)
[The specific antitoxic activity of therapeutic anti-anthrax globulin] Fedotova IuM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:47-51, Feb 70 (Rus)
[Immunotherapy of cancer] Lascano FD, et al.
Prensa Med Argent 58:75-91, 12 Mar 71 (156 ref.) (Spa)
[Immunotherapy of leukemia--a realistic clinical possibility?] Gahrton G.
Lakartidningen 68:1601-8, 31 Mar 71 (Swe)
[Effective application of dysentery immunogenic serums in combined therapy of Sonnei dysentery] Petrichenko VG.
Pediatr Akush Ginekol 6:10-1, 1970 (Ukr)

ADVERSE EFFECTS

[Does an allergic reaction to serotherapy still occur?] Charpin J, et al. Mars Med 106:223-6, 1969 (Fre)

SEROTONIN (D2, D5)

The synaptolytic effect of thiamine related to its interaction with neurotransmitters. Gaizigna L.
Biochem Pharmacol 18:2485-93, Oct 69
Interaction of serotonin with the catecholamines. I. Inhibition of dopamine and norepinephrine oxidation. Vander Wende C, et al.
Biochem Pharmacol 19:1991-2000, Jun 70
Mediators of the inflammation induced in the rat paw by carrageenin. Crunkhorn P, et al.
Br J Pharmacol 42:392-402, Jul 71
Development and growth of axonal sprouts from noradrenaline and 5-hydroxytryptamine neurones in the rat spinal cord. Björklund A, et al.
Brain Res 31:21-33, 7 Aug 71
5-hydroxytryptamine in intestinal immunological reactions. Its relationship to mast cell activity and worm expulsion in rats infected with Nippostrongylus brasiliensis. Murray M, et al.
Int Arch Allergy Appl Immunol 40:236-47, 1971
Is 5-hydroxytryptamine involved in the mechanism of action of fenfluramine? Funderburk WH, et al.
J Pharm Pharmacol 23:468-70, Jun 71
Effect of dimethyl sulphoxide on charge transfer complexes between serotonin-, tryptophan and flavin mononucleotide under low temperatures. Yamanaka N. J Vitaminol (Kyoto) 17:39-42, 10 Mar 71
Serotonin not catecholamine. Benson RM.
N Engl J Med 285:123-4, 8 Jul 71
Crystal structure of serotonin picrate, a donor-acceptor complex. Bugg CE, et al. Science 170:852-4, 20 Nov 70
[Quantum studies on the conformation and electronic structure of serotonin] Courrière P, et al.
C R Acad Sci [D] (Paris) 272:1697-700, 22 Mar 71 (Fre)
[Serotonin] Gajdos A.
Presse Med 78:1929-32, 24 Oct 70 (Fre)
[Fixation of several biological amines on heparin at pH 4] Mordelet-Dambrine M, et al.
Therapie 25:1109-21, Nov-Dec 70 (Fre)
[Elucidation of the function of Reissner's fiber. In vitro binding of noradrenaline, drenaline and serotonin] Ermisch A, et al.
Experientia 26:1319-21, 15 Dec 70 (Ger)
[Activity in intercostal alpha- and gamma-efferent axons during reflex respiratory arrest by p-chlorophenylbiguanide or 5-hydroxytryptamine] Schmidt T, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:442-3, 1970 (Ger)
[Activity of Lysoartrosi, or of the polypeptides in it, on serotonin-induced inflammation] D'Atri G, et al.
Minerva Med 62:71-88, 13 Jan 71 (Ita)
[Effect of endogenous and exogenous serotonin on hemostasis] Baluda VP, et al.
Biull Eksp Biol Med 68:17-9, Sep 69 (Rus)
[Synthesis of N-glucosides of serotonin, 5-methoxytryptamine and melatonin] Vigdorchik MM, et al.
Dokl Akad Nauk SSSR 193:337-40, Jul 70 (Rus)

ADMINISTRATION & DOSAGE

Cardiovascular responses to intravenous and intracoronary administration of 5-hydroxytryptamine. Lluch S, et al.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:66, 1970
Iontophoretic release of acetylcholine, noradrenaline, 5-hydroxytryptamine and D-lysergic acid diethylamide from micropipettes. Bradley PB, et al.
Br J Pharmacol 40:194-201, Oct 70
Area postrema: abrupt EEG synchronization following close intra-arterial perfusion with serotonin. Roth GI, et al. Brain Res 23:223-33, 13 Oct 70
[Pharmacological properties of some 5-oxytryptamine salts] Mashkovskiĭ MD, et al.
Farmakol Toksikol 33:673-5, 1970 (Rus)
[Pharmacology of some carbamoyl derivatives of serotonin] Mashkovskiĭ MD, et al.
Farmakol Toksikol 34:26-9, 1971 (Rus)

ADVERSE EFFECTS

[Renal lesions after serotonin- or potassiumdichromate-injections in sodium loaded and sodium depleted rats] Schubert GE, et al.
Virchows Arch [Pathol Anat] 351:68-82, 1970 (Ger)

ANALYSIS

Serotonin in nasal allergy. Habib YA, et al.
Acta Allergol (Kbh) 26:39-48, Feb 71
Localization of biogenic monoamines in tissue cultures of rat pineal. Bernád I, et al.
Acta Biol Acad Sci Hung 21:235-41, 1970
Cytoplasmic distribution of endogenous and exogenous 5-hydroxytryptamine in rat peritoneal mast cells. Jansson SE. Acta Physiol Scand 80:345-52, Nov 70
A rapid, simplified procedure for simultaneous assay of norepinephrine, dopamine, and 5-hydroxytryptamine from discrete brain areas. Shellenberger MK, et al.
Anal Biochem 39:356-72, Feb 71
Comparative effects of p-chloroamphetamine and p-chloro-N-methylamphetamine on rat brain norepinephrine, serotonin and 5-hydroxyindole-3-acetic acid. Miller FP, et al.
Biochem Pharmacol 19:435-42, Feb 70
Rapid method for the determination of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in small regions of rat brain. Curzon G, et al.
Br J Pharmacol 39:653-5, Jul 70
The effect of adrenaline on 5-hydroxyindole concentrations in the hypothalamus and thalamus of rat. Gordon AE, et al. Br J Pharmacol 40:142P+, Sep 70
A morphological and biochemical study of subcellular fractions of the guinea pig spinal cord. Ross LL, et al.
Brain Res 25:103-19, 8 Jan 71
Plasma corticosterone changes following alterations in brain norepinephrine and serotonin. McKinney WT Jr, et al. Dis Nerv Syst 32:308-13, May 71
Local difference in concentration of vasopressin and monoamines in the equine median eminence. Iwata T, et al. Endocrinol Jap 17:599-604, Dec 70
Biogenic amine concentration in testes of rats at different ages. Zieher LM, et al.
Endocrinology 88:351-4, Feb 71
The relationship between morphine analgesia and the levels of biogenic amines in the mouse brain. Lee JR, et al. Eur J Pharmacol 12:65-70, 1 Sep 70
The effects of adenosine-5'-triphosphate (ATP) on structure and amine content of rat peritoneal mast cells. Bloom GD, et al. Exp Cell Res 62:61-75, Sep 70
Histochemical and experimental studies of 5-hydroxytryptamine in pineal organs of teleosts (Salmo gairdneri and Atherinopsis californiensis). Hafeez MA, et al.
Gen Comp Endocrinol 13:211-7, Oct 69
Histochemical demonstration of 5-hydroxytryptamine in poison glands of amphibian skin. Kramer B.
Histochemie 24:336-42, 1970
Effect of cold stress on acetylcholine and 5-HT contents of rat myocardium and its modification by eserine, mecamylamine and reserpine. Sharma VN, et al.
Indian J Med Res 57:1563-72, Aug 69
Serotonin assay: a tissue chamber and recording lever for the fundus strip method. Hedlund L, et al.
J Appl Physiol 30:787-91, May 71
Effects of chronic stress and differential environments upon brain weights and biogenic amine levels in rats. Riege WH, et al.
J Comp Physiol Psychol 71:396-404, Jun 70
Effect of cyproheptadine (periactin) on accumulation of (14C)5-hydroxytryptamine in pregnant rats. Pfeifer Y, et al. J Endocrinol 50:383-6, Jul 71
Levels of 5-hydroxytryptamine, dopamine and norepinephrine in whole brain of rabbits in chronic manganese toxicity. Mustafa SJ, et al.
J Neurochem 18:931-3, Jun 71
Individual elution of noradrenaline (together with adrenaline), dopamine, 5-hydroxytryptamine and histamine from a single, strong cation exchange column, by means of mineral acid-organic solvent mixtures. Atack CV, et al.
J Pharm Pharmacol 22:625-7, Aug 70
5-Hydroxytryptamine and monoamine oxidase in adult and foetal sheep blood vessels. Dyer DC, et al.
J Pharm Pharmacol 23:549-50, Jul 71
Autacoids in sputum in cases of bronchial asthma and other respiratory diseases. Sen P, et al.
J Pharm Pharmacol 22:531, Jul 70
Catecholamines and 5-hydroxytryptamine in nervous tissue of cephalopods. Juorio AV.
J Physiol (Lond) 216:213-26, Jul 71
Effect of growth conditions on serotonin content of Tetrahymena pyriformis. Brizzi G, et al.
J Protozool 17:553-5, Nov 70
The localization of 5-hydroxytryptamine and its participation in neural inhibition of gastrointestinal smooth muscle. Gershon M.
Jap J Smooth Muscle Res 6:113-5, Jun 70
Localization of monoamine-containing fibers and cells in the alimentary canal of chickens. Ikeda H, et al.
Jap J Vet Sci 33:187-93, Aug 71
The maturation of the circadian rhythm of brain norepinephrine and serotonin in the rat. Asano Y.
Life Sci [I] 10:883-94, 1 Aug 71
Brain norepinephrine and serotonin in central oxygen toxicity. Faiman MD, et al.
Life Sci [I] 10:21-34, 1 Jan 71
Modification of the hypothermic action of morphine after depletion of brain serotonin and catecholamines. Haubrich DR, et al.
Life Sci [I] 10:175-80, 1 Feb 71
Effect of environmental lighting on serotonin rhythm in rat pineal gland during postnatal development. Ilinerová H. Life Sci [I] 10:583-90, 15 May 71
Effect of light on the serotonin content of the pineal gland. Ilinerová H. Life Sci [I] 10:955-60, 15 Aug 71
Effect of lithium on content and uptake of norepinephrine and 5-hydroxytryptamine in mouse brain synaptosomes and mitochondria. Kuriyama K, et al. Life Sci [I] 9:1213-20, 1 Nov 70
Effect of streptolysin "O" on serotonine content and monoaminoxydase activity in rat tissues. Bozhkov B, et al. Nauchni Tr Vissh Med Inst Sofiia 49:41-5, 1970
Relation of brain 5-hydroxytryptamine content to the diurnal variation in plasma corticosterone in the rat. Scapagnini U, et al. Neuroendocrinology 7:90-6, 1971
5-hydroxytryptamine (serotonin) and 5-hydroxytryptophan in mast cells of human mastocytosis. Morishima T.
Tohoku J Exp Med 102:121-6, Oct 70
Histochemical localization of monoamines in the crab central nervous system. Goldstone MW, et al.
Z Zellforsch Mikrosk Anat 116:7-19, 1971
Localization of monoamine-containing neurones in the nervous system of Strophocheilus oblongus (Gastropoda). Jaeger CP, et al.
Z Zellforsch Mikrosk Anat 112:54-68, 1971
Electron microscopic autoradiography on the localization of serotonin in the frog median eminence. Nakai Y, et al.
Z Zellforsch Mikrosk Anat 119:326-33, 1971
Serotonin and histamine contents as vital reactions. II. Autopsy studies. Raekallio J, et al.
Zacchia 6:403-14, Jul-Sep 70
[Spectrofluorometric determination of epiphyseal 5-hydroxytryptamine (5-HT=serotonin) in reptiles. Study of the variations of 5-HT levels as a function of some drugs] Petit A, et al.
C R Acad Sci [D] (Paris) 272:1283-5, 1 Mar 71 (Fre)
[Spectrofluorometric determination of epiphyseal serotonin in reptiles. Study of the variations of serotonin levels as a function of the period of lighting] Vivien-Roels B, et al.
C R Acad Sci [D] (Paris) 272:459-61, 18 Jan 71 (Fre)
[Actions of amphetamine on the 5-hydroxytryptamine content of different areas of the rat brain] Beauvallet M, et al. C R Soc Biol (Paris) 164:1462-7, 1970 (Fre)
[Influence on the serotoning content of the brain, intestines and uterus by an isoelectric field] Mösse JR, et al. Z Biol 116:363-70, Jun 70 (Ger)
[Catecholamines and 5-hydroxytryptamine in the starfish and enteropneust nervous systems] Welsch U. Z Zellforsch Mikrosk Anat 115:88-93, 1971 (Ger)
[Fluorescence of the 5-HT content of the human colonic mucosa] Capurso L, et al.
Arch Ital Mal Appar Dig 35:613-8, Jun 69 (Ita)
[Distribution of the cholinergic and adrenergic innervation, of histamine and 5-hydroxytryptamine in the rat thyroid gland] Catini C.
Boll Soc Ital Biol Sper 45:1523, 15 Dec 69 (Ita)
[Chronologic diagnosis of skin wounds. Use and limitations of serotonin determination] Merli S, et al.
Zacchia 5:380-91, Jul-Sep 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Changes in monoamines and their related compounds in the rat brain during sleep deprivation] Toru M, et al. Adv Neurol Sci (Tokyo) 14:646-52, Apr 71 (Jap)
[Effect of reserpine and its derivatives on blood pressure and amine content] Fujiwara M, et al. Folia Pharmacol Jap 66:564-85, 20 Sep 70 (Jap)
[Influence of adrenalectomy on monoamine oxidase activity and serotonin content in the brain of rats--on the effects of formalin, ACTH and cortisone] Kobayashi M, et al. Folia Pharmacol Jap 67:70-4, Jan 71 (Jap)
[Subcellular distribution of 5-hydroxytryptamine in the brain stem of rabbits] Segawa T, et al. Folia Pharmacol Jap 66:400-7, 20 Jul 70 (Jap)
[Catecholamines and serotonin of the brain after trauma of certain centers and nerve pathways] Narkiewicz O. Pol Tyg Lek 25:1430-2, Sep 70 (19 ref.) (Pol)
[Detection of serotonin in rat blastocysts by a microspectrofluorometric method] Leonov BV, et al. Dokl Akad Nauk SSSR 198:734-6, 21 May 71 (Rus)
[Apparatus for fluorometric determination of serotonin and other biogenic amines] Kocherga VI, et al. Lab Delo 7:436-7, 1970 (Rus)
[Study of serotonin in several skin diseases] Kulaga VV, et al. Vestn Dermatol Venerol 44:16-21, Oct 70 (Rus)

ANTAGONISTS & INHIBITORS

Serotonin now: clinical implications of inhibiting its synthesis with para-chlorophenylalanine. Ann Intern Med 73:607-30, Oct 70
Quantitation of the degree of antagonism of chloroquine to histamine, acetylcholine and serotonin (PA2 values). Olatunde IA. Arch Int Pharmacodyn Ther 185:66-70, May 70
Interaction of serotonin antagonists with harmaline-induced changes in operant behavior and body temperature in the rat. Winter JC. Arch Int Pharmacodyn Ther 191:120-32, May 71
Antagonism of beta-phenylethylamine derivatives and serotonin blocking drugs upon serotonin, tryptamine and reserpine behavioral depression in mice. Saavedra JM, et al. Arzneim Forsch 20:952-7, Jul 70
Antagonism of 5-hydroxytryptamine by LSD 25 in the central nervous system: a possible neuronal basis for the actions of LSD 25. Boakes RJ, et al. Br J Pharmacol 40:202-18, Oct 70
BC 105 in the prophylaxis of migraine. Hughes RC, et al. Curr Ther Res 13:63-8, Jan 71
The effects of mianserin hydrochloride on the vascular responses evoked by 5-hydroxytryptamine and related vasoactive substances. Saxena PR, et al. Eur J Pharmacol 13:295-305, 1971
The blockade of bulbospinal inhibition by 5-hydroxytryptamine antagonists. Clineschmidt BV, et al. Exp Brain Res 11:175-86, 1970
A novel method of reducing the concentration of brain serotonin: use of alpha-methyltryptophan. Sourkes TL, et al. Laval Med 41:897-8, Sep 70
A comparative trial of serotonin antagonists in the management of migraine. Lance JW, et al. Proc Aust Assoc Neurol 7:31-5, 1970
Thermographic, hormonal, and clinical studies in migraine. Lance JW, et al. Trans Am Neurol Assoc 95:120-4, 1970
Depression of lymphocyte transformation by drugs in vitro. Effects of a new immunosuppressant, Cinanserin. Schwartz GH, et al. Transplantation 8:704-11, Nov 69
Monoamine oxidase inhibitors and the depletion of 5-hydroxytryptamine from enterochromaffin cells by reserpine. Singh I. Z Zellforsch Mikrosk Anat 117:73-5, 1971
[Antiserotonic Lysenyl in the treatment of dysmenorrhea, premenstrual and climacteric disorders] Nesit V. Cesk Gynekol 36:157-60, Apr 71 (Cze)
[Pharmacologic spectrum of Marrubium vulgare L] Cahen R. C R Soc Biol (Paris) 164:1467-72, 1970 (Fre)
[Some pharmacological effects of NN'-dimethyldiphenoxyethylamine] Vagne A, et al. C R Soc Biol (Paris) 164:870-2, 1970 (Fre)
[Experimental blood platelet thrombosis in cerebral arteries. Effects of dipyridamole, ergot derivatives and antiserotonin agents] Gautier JC, et al. Presse Med 78:1775-80, 3 Oct 70 (Fre)
[Action of Vichy water on various experimental effects of serotonin in rats. I. Ulcerogenic gastric effect. II. Action on the isolated colon] Debray C, et al. Presse Therm Climat 106:169-73, 1969 (Fre)
[Effects of a serotonin antagonist (BC 105 Sandoz) on carbohydrate metabolism] Fraipont-Guyot C, et al. Rev Med Liege 25:414-21, Jul 70 (Fre)
[Double-blind studies on the appetite stimulating effect of a serotonin antagonist in the anorexic infant] Martin-duPan R, et al. Ther Umsch 28:415-24, Jun 71 (Fre)
[N-dialkylaminoalkyl-S,S-diphenyl-sulfoximines, a new class of compounds with spasmolytic properties] Satzinger G, et al. Arzneim Forsch 20:1214-7, Sep 70 (Ger)
[Behavior of blood coagulation factors under the effect of a new pyrazol derivative during prolonged anticoagulant therapy] Wolf H. Arzneim Forsch 20:1252-8, Sep 70 (Ger)
[Bronchial motility in the rat and its susceptibility to drugs] Schüler KG, et al. Naunyn Schmiedebergs Arch Pharmakol 266:446-7, 1970 (Ger)
[A naturally occurring M-blocker, its relation to narcotics and to peripheral inhibition in arthropods] Jaun H, et al. Z Biol 116:370-82, Jun 70 (Ger)
[Therapy of vasomotor headache with a new drug: BC 105. Preliminary results] Tedeschi G, et al. Acta Neurol (Napoli) 26:61-5, Jan-Feb 71 (Ita)
[Effects of serotonin and a new antiserotonin agent (Liserdol) on some aspects of intestinal motility. Studies on the electric activity of the small intestine in man] Di Martino L, et al. Arch Ital Mal Appar Dig 36:247-61, 1971 (Ita)
[Treatment of the gastrectomy syndrome with a new serotonin antagonist] Finzi B, et al. Minerva Gastroenterol 17:27-31, Jan-Mar 71 (Ita)
[A new drug (Migristene) with anti-serotonin and antihistaminic activity in the therapy of some gynecologic disorders] Bailo U, et al. Minerva Ginecol 22:395-7, 15 Apr 70 (Ita)
[Experimental intracranial hemorrhage. Protective action of drugs with anti-protease activity] Bavazzano A, et al. Rass Neurol Veg 23:37-53, 1969 (Ita)
[Clinical and electroencephalographic experience with a new drug for headache, with anti-serotonin activity: preparation FI 6337 (Liserdol)] Masciocchi A, et al. Riv Neurobiol 15:348-79, Apr-Jun 69 (Ita)
[Therapeutic action of an antiamine drug (BC 105) in vasomotor headaches] Agnoli A, et al. Sist Nerv 22:221-31, Jul-Aug 70 (Ita)
[Anti-serotonin action of substances blocking the adrenergic beta-receptor] Stanislawska J, et al. Acta Physiol Pol 21:757-65, 1970 (Pol)
[Changes in various central effects of serotonin in cats receiving antidepressants] Giushko LF, et al. Biull Eksp Biol Med 71:51-3, Mar 71 (Rus)
[Effect of peripheral serotonin antagonists on changes in the background bioelectric activity of the rat cerebral cortex caused by 5-hydroxytryptophan] Vysokovskiĭ TM, et al. Biull Eksp Biol Med 70:77-81, Nov 70 (Rus)
[The influence of various psychotropic drugs on the central effects of 5-hydroxytryptophan in rats] Vysokovskiĭ TM, et al. Biull Eksp Biol Med 71:53-6, Mar 71 (Rus)
[Mechanism of the antibradykinin effect of dimedrol] Gaponiuk PIa, et al. Farmakol Toksikol 33:567-9, Sep-Oct 70 (Rus)
[Study of peripheral antiserotonin properties of some new indol derivatives] Pidevich IN, et al. Farmakol Toksikol 34:155-9, 1971 (Rus)

BIOSYNTHESIS

Inhibition of morphine tolerance and physical dependence development and brain serotonin synthesis by cycloheximide. Loh HH, et al. Biochem Pharmacol 18:2711-21, Oct 69
Effect of acute and chronic administration of ethanol on the 5-hydroxytryptamine turnover and tryptophan hydroxylase activity of the mouse brain. Kuriyama K, et al. Brain Res 26:450-4, 5 Mar 71
Uptake of catecholamines into serotonergic nerve cells as demonstrated by fluorescence histochemistry. Barrett RE, et al. Experientia 27:663-4, Jun 71
Enzymic formation of serotonin in mammalian blood platelets and red cells. Marmaras VJ, et al. Experientia 27:196-7, 15 Feb 71
Formation of serotonin by isolated serotonin-containing neurons and by isolated non-amine-containing neurons. Cottrell GA, et al. J Neurochem 18:1695-7, Sep 71
Studies in vivo on the relationship between brain tryptophan, brain 5-HT synthesis and hyperactivity in rats treated with a monoamine oxidase inhibitor and L-tryptophan. Grahame-Smith DG. J Neurochem 18:1053-66, Jun 71
Feedback control of rat brain 5-hydroxytryptamine synthesis. Macon JB, et al. J Neurochem 18:323-31, Mar 71
Effects of leucine on brain serotonin. Ramanamurthy PS, et al. J Neurochem 17:27-32, Jan 70
Mediation by -adrenergic receptors of effect of norepinephrine on pineal synthesis of (14 C)serotonin and (14 C)melatonin. Wurtman RJ, et al. J Neurochem 18:1683-7, Sep 71
Relationship between alternate routes of tryptophan metabolism following administration of tryptophan peroxidase inducers or stressors. Yuwiler A, et al. J Neurochem 18:593-9, Apr 71
Stimulation of serotonin synthesis by lithium. Perez-Cruet J, et al. J Pharmacol Exp Ther 178:325-30, Aug 71
Serotonin synthesis inhibition and estrous behavior in female rats. Meyerson BJ, et al. Life Sci [I] 9:661-71, 15 Jun 70
Stimulation of [14 C] tryptophan 5-hydroxylation by norepinephrine and dibutyryl adenosine 3', 5' monophosphate in rat pineal organ cultures. Shein HM, et al. Life Sci [I] 10:935-40, 15 Aug 71
Stimulation of(14C)serotonin synthesis from (14C)tryptophan by mescaline in rat pineal organ cultures. Shein HM, et al. Life Sci [II] 10:273-82, 8 Mar 71
Unchanged rate of brain serotonin synthesis during chronic morphine treatment and failure of parachlorophenylalanine to attenuate withdrawal syndrome in mice. Marshall I, et al. Nature (Lond) 228:1206-8, 19 Dec 70
Tryptophan induction of the serotonin and kynurenine pathways in the early amphibian embryo. Kostellow AB, et al. Nature [New Biol] 231:119-21, 26 May 71
Investigation into the possible influence of chlorinated amphetamine derivatives on 5-hydroxytryptamine synthesis in man. Praag HM van, et al. Psychopharmacologia 18:412-20, 1970
[Serotonin-forming capacity of nasal polyps. Effect of the chemical serotonin liberators--reserpine and substance 48-80--on the liberation and synthesis of serotonin in nasal polyps (in vitro)] Popova GN, et al. Biull Eksp Biol Med 70:115-20, Nov 70 (Rus)

BLOOD

Increased blood serotonin and platelets in early infantile autism. Ritvo ER, et al. Arch Gen Psychiatry 23:566-72, Dec 70
Biological studies in childhood schizophrenia: serotonin uptake by platelets. Lucas AR, et al. Biol Psychiatry 3:123-8, 1971
The effects of reserpine depletion of circulating vasoactive amines on rabbit serum sickness. Levy L. Br J Exp Pathol 51:428-33, Aug 70
Liberation of platelet histamine by the alkaline tissue extract and oleic acid. Kataoka K, et al. Experientia 26:1329-30, 15 Dec 70
Serotonin concentrations in whole blood of hyperactive children. Coleman M. J Pediatr 78:985-90, Jun 71
Prolonged partial cardiopulmonary bypass and the integrity of small blood vessels. Role of serotonin and of platelet transfusion. Wisselink P, et al. J Thorac Cardiovasc Surg 60:789-95, Dec 70
Mode of action on the platelet 5-HT of the active principles in Toh's alkaline tissue extract. Shio H. Naunyn Schmiedebergs Arch Pharmakol 267:123-34, 1970
Studies of histamine, serotonin and these pexic actions in asthmatic children. Haruna H. Paediatr Univ Tokyo 18:32-5, Dec 70
Role of bradykinin and serotonin in the dumping syndrome. Macdonald JM, et al. Rev Surg 27:296-7, Jul-Aug 70
Reduction of platelet serotonin and the response to pulmonary emboli. Rosoff CB, et al. Surgery 70:12-9, Jul 71
Parachlorophenylalanine administration to a retarded patient with high blood serotonin levels. Coleman M, et al. Trans Am Neurol Assoc 95:224-6, 1970
[Disturbances of serotonin homeostasis in recurrent chronic pancreatitis: possible relationship] Geffroy Y, et al. Acta Gastroenterol Belg 34:105-6, Jan 71 (Fre)
[Histamine, serotonin and kininogen in shock produced by intravenous injection of quartz particles in rats] Antweiler H, et al. Int Arch Arbeitsmed 27:349-60, 1971 (Ger)
[Changes in the level of serotonin and bradykininogen and oxidase activity of ceruloplasmin in the experimental model of infectious-allergic (rheumatic) encephalitis] Bozhkov B, et al. Z Gesamte Exp Med 153:290-6, 1970 (Ger)
[The enterochromaffin system and clinical consequences of hyperserotonism] Kojecký Z, et al. Z Gesamte Inn Med 26:Suppl:33-6, 1 Mar 71 (Ger)
[Blood serotonin values in primagravidae] Koleta F, et al. Zentralbl Gynaekol 92:1364-8, 17 Oct 70 (Ger)
[Blood platelet levels of serotonin in schizophrenia] Torre M, et al. Acta Neurol (Napoli) 25:740-6, Nov-Dec 70 (Ita)
[Serotonin, blood platelets, and migraine. A connection?] Sjaastad O. Nord Med 85:669, 27 May 71 (Nor)
[Blood serotonin level and 24-hour urinary excretion of 5-hydroxyindoloacetic acid in patients with gastric and duodenal ulcer before and during treatment with Spasmophen] Pokora J, et al. Pol Tyg Lek 25:1199-201, 10 Aug 70 (Pol)
[Changes in plasmatic serotoninemia caused by cutaneous stimulation] Ionescu-Tîrgoviște C, et al. Stud Cercet Endocrinol 22:47-52, 1971 (Rum)
[The serotonin level in the blood and urinary excretion of 5-oxy-indoleacetic acid in women during pregnancy] Khoreva ZP. Akush Ginekol (Mosk) 45:10-2, Sep 69 (Rus)
[The concentration of serotonin in the blood of healthy dogs] Znamenskaia KM, et al. Biull Eksp Biol Med 67:67-8, Jun 69 (Rus)
[Effect of phenamine and barbamil on blood serotonin content during stimulaton of the hypothalamus] Zvartau EE, et al. Biull Eksp Biol Med 71:55-7, May 71 (Rus)
[Biogenic amines in biological fluids in patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

pulmonary thromboembolisms] Men'shikov VV, et al. Kardiologiia 11:105-12, Jan 71 (Rus)
[Blood serotonin content during auricular fibrillation and its treatment by defibrillation] Panchenko VM, et al. Klin Med (Mosk) 49:25-9, Jan 71 (Rus)
[State of several mediator systems in children during the 1st month of life] Krasnov MV. Vopr Okhr Materin Det 15:60-2, Jun 70 (Rus)
[Serotonin exchange in weak labor activity] Zubchenok ZhT. Pediatr Akush Ginekol 4:48-50, Jul-Aug 70 (Ukr)

ISOLATION & PURIFICATION

Leiobunum longipes: radioautographic localization of 5-hydroxytryptamine. Crowder LA, et al. Trans Am Microsc Soc 89:375-83, Jul 70
[The development of monoamine neurons of the brain in the kitten] Loup M, et al. C R Soc Biol (Paris) 164:1582-7, 1970 (Fre)

METABOLISM

Inactivation of exogenous 5-hydroxytryptamine in moderately hypothermic rats. Heikkinen ES, et al. Acta Chir Scand 136:551-4, 1970
The effect of Bordetella pertussis vaccine and adrenal hormones on 5-hydroxytryptamine level in rat tissues. Csaba B, et al. Acta Microbiol Acad Sci Hung 17:63-8, 1970
Storage of 5-hydroxy-tryptamine (5-HT) in mast cells. Bergendorff A, et al. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:38, 1970
A mucopolysaccharide-protein complex with amine binding properties in rat thrombocytes. Aborg CH, et al. Acta Physiol Scand 81:568-70, Apr 71
Effect of some drugs on the uptake of monoamines and their precursors in the mouse Paneth cells. Ahonen A, et al. Acta Physiol Scand 82:59-69, May 71
Uptake of 5-hydroxytryptamine by rat peritoneal mast cells in vitro. Jansson SE. Acta Physiol Scand 79:484-92, Aug 70
Uptake of 5-hydroxytryptamine by mast cell granules in vitro. Jansson SE. Acta Physiol Scand 82:35-46, May 71
Uptake of serotonin in blood platelets in vitro. I. The effects of chloride. Lingjaerde O Jr. Acta Physiol Scand 81:75-83, Jan 71
A controlled study of the antidepressant effect of p-Chloro-N-methylamphetamine, a compound with a selective effect on the central 5-hydroxytryptamine metabolism. Kits TP, et al. Acta Psychiatr Scand 46:365-73, 1970
Effects of adrenal hormones and stress on brain serotonin. Curzon G. Am J Clin Nutr 24:830-4, Jul 71
The uptake of 2-14C-5-hydroxytryptamine by uterine tissue of nonpregnant and pregnant rats. Koren Z, et al. Am J Obstet Gynecol 110:919-23, 1 Aug 71
Serotonin storage organelles in human megakaryocytes. White JG. Am J Pathol 63:403-10, Jun 71
Transport of serotonin by blood platelets: a pump-leak system. Okuda M, et al. Am J Physiol 220:283-8, Jan 71
Effect of temperature and inhibitors on serotonin-14C release from human platelets. Valdorf-Hansen JF, et al. Am J Physiol 220:105-11, Jan 71
Urinary monoamine metabolites in children with minimal brain dysfunction. Wender PH, et al. Am J Psychiatry 127:1411-5, Apr 71
Mass spectral identification of serotonin metabolites. Jamieson WD, et al. Anal Biochem 37:182-6, Sep 70
Metabolism of 5HT by the isolated perfused small intestine of normal and cirrhotic rats. Pentikäinen P. Ann Med Exp Biol Fenn 48:266-72, 1970
Metabolism of 5HT by isolated perfused normal and cirrhotic rat livers. Pentikäinen P. Ann Med Exp Biol Fenn 48:135-41, 1970
The effect of dietary cirrhosis on the enzymes of 5HT inactivation in the rat. Pentikäinen P. Ann Med Exp Biol Fenn 48:142-8, 1970
Brain serotonin and pituitary-adrenal function in rats of different emotionalities. Rosecrans JA. Arch Int Pharmacodyn Ther 187:349-66, Oct 70
Effect of several models of stress and amphetamine on brain levels of amphetamine and certain monoamines. Salama AI, et al. Arch Int Pharmacodyn Ther 181:474-83, Oct 69
Effects of aldehydes on metabolism of 5-hydroxy-tryptamine in the perfused frog liver. Ortiz A, et al. Arzneim Forsch 21:116-7, Jan 71
The effects of alcohols upon oxidative deamination and conjugation of 5-hydroxy-tryptamine. Ortiz A, et al. Arzneim Forsch 21:120-1, Jan 71
The effects of ethanol, n-butanol and isopropanol upon 5-hydroxy-tryptamine metabolisms in the perfused frog liver. Ortiz A, et al. Arzneim Forsch 21:118-9, Jan 71
Kinetics of 5-hydroxytryptamine exchange in rabbit blood platelets and its analysis by digital computer. Kibby MR. Biochem J 119:39P, Oct 70
Physical dependence on morphine fails to increase serotonin turnover rate in rat brain. Algeri S, et al. Biochem Pharmacol 20:877-84, Apr 71
Effect of reserpine on the incorporation in vivo of radioactivity from labeled serotonin and other 5-hydroxy-indole derivatives in mouse brain. Alivisatos SG, et al. Biochem Pharmacol 19:401-10, Feb 70
Selective inhibition of monoamine oxidase in rat brain mitochondria. Fuller RW, et al. Biochem Pharmacol 19:2934-6, Nov 70
Effect of insulin on brain 5-hydroxytryptamine and 5-hydroxy-indole-acetic acid of rat. Gordon AE, et al. Biochem Pharmacol 19:3042-4, Dec 70
The effect of tryptophan metabolites on brain 5-hydroxytryptamine metabolism. Green AR, et al. Biochem Pharmacol 19:2061-8, Jun 70
Selective protection of serotonin stores against the action of reserpine by -methyl-5-hydroxytryptpohan pretreatment. Lahti RA, et al. Biochem Pharmacol 18:2363-9, Oct 69
Subcellular distribution of 5 hydroxytryptamine in pig platelets. Minter BF, et al. Biochem Pharmacol 20:783-802, Apr 71
14 C-5-hydroxytryptamine and 3 H-D-amphetamine: uptake and contraction by the rat stomach fundus in vitro. Vaccari A, et al. Biochem Pharmacol 19:2105-15, Jun 70
p-Chlorophenylalanine depletion of gastrointestinal 5-hydroxytryptamine. Weber LJ. Biochem Pharmacol 19:2169-72, Jun 70
Incorporation of radioactivity from labeled serotonin and tryptamine into acid-insoluble material from subcellular fractions of brain. I. The nature of the substrate. Alivisatos SG, et al. Biochemistry 7:285-92, Jan 68
Mechanism of transport and storage of biogenic amines. 3. Effects of sodium and potassium on kinetics of 5-hydroxytryptamine and norepinephrine transport by rabbit synaptosomes. Bogdanski DF, et al. Biochim Biophys Acta 219:189-99, 1970
A pilot study of some kinetic aspects of the metabolism of 5-hydroxytryptamine in depressive patients. Praag HM van, et al. Biol Psychiatry 3:105-12, 1971
The pathogenesis of endomyocardial fibrosis: the question of 5-hydroxytryptamine. Ojo GO. Br Heart J 32:671-4, Sep 70
Removal of 5-hydroxytryptamine in the pulmonary circulation of rat isolated lungs. Alabaster VA, et al. Br J Pharmacol 40:468-82, Nov 70
Estimation of urinary 5-hydroxytryptamine-O-glucuronide, a metabolite of endogenous 5-hydroxytryptamine in sheep. Bartlet AL, et al. Br J Pharmacol 41:530-9, Mar 71
5-hydroxytryptamine metabolism in sheep. Bartlet AL. Br J Pharmacol 42:273-80, Jun 71
Accumulation of quinidine by human blood platelets: effects on platelet ultrastructure and 5-hydroxytryptamine. Boullin DJ, et al. Br J Pharmacol 42:114-26, May 71
Evidence for inhibition of the reuptake of 5-hydroxytryptamine and noradrenaline by tetrahydronaphthylamine in rat brain. Bruinvels J. Br J Pharmacol 42:281-6, Jun 71
Action of fenfluramine on monoamine stores of rat tissues. Costa E, et al. Br J Pharmacol 41:57-64, Jan 71
Uptake of monoamines into central neurones and the blood-brain barrier in the infant rat. Loizou LA. Br J Pharmacol 40:800-13, Dec 70
Turnover rate of brain 5-hydroxytryptamine increased by D-amphetamine. Reid WD. Br J Pharmacol 40:483-91, Nov 70
The fate of 5-hydroxytryptamine in the lungs. Gruby LA, et al. Br J Surg 58:525-32, Jul 71
Neurochemical effects of L-tetra 9-tetrahydrocannabinol in rats following repeated inhalation. Ho BT, et al. Brain Res 31:233-6, 7 Aug 71
The effects of some drugs affecting brain 5-HT on electrocortical synchronization following low-frequency stimulation of brain. Kostowski W. Brain Res 31:151-7, 7 Aug 71
The effect of methamphetamine on the norepinephrine and 5-hydroxytryptamine contents in eleven rat brain regions. Ott T, et al. Brain Res 25:171-8, 8 Jan 71
Effect of ethanol on metabolism and subcellular distribution of serotonin in rat brain. Palalić D, et al. Brain Res 25:381-6, 22 Jan 71
The pharmacologic and biochemical nature of carcinoid tumors. Storer EH. Curr Probl Surg 41-51, Nov 70
TSH-induced appearance and stimulation of amine-containing mast cells in the mouse thyroid. Melander A, et al. Endocrinology 89:528-33, Aug 71
The role of the quinones prepared after oxidation of some amines by ceruloplasmin in the mitochondrial electron transport system. Bozhkov B, et al. Enzymol Biol Clin (Basel) 11:531-7, 1970
Selective lowering of brain serotonin by p-acylphenylethylamines. Dubnick B, et al. Eur J Pharmacol 12:280-8, 1970
Effect of chlorpromazine on 5-hydroxytryptamine metabolism in hippocampal stimulated rats. Gumulka W, et al. Eur J Pharmacol 12:276-9, 1970
Inhibitory effects of bacterial endotoxin and reserpine on the uptake of 3H-5-hydroxytryptamine by granule fractions of blood platelets. Kuruma I, et al. Eur J Pharmacol 13:269-71, Jan 71
Effects of ergotamine and dihydroergotamine on uptake of 5-hydroxytryptamine in blood platelets. Lingjaerde O Jr. Eur J Pharmacol 13:76-82, 1970
Effects of nicotine on behavioral arousal and brain 5-hydroxytryptamine function in female rats selected for differences in activity. Rosecrans JA. Eur J Pharmacol 14:29-37, 1971
Analysis of 5-hydroxytryptamine-14C uptake and metabolism in intestinal smooth muscle. Weiss GB, et al. Eur J Pharmacol 13:197-207, Jan 71
The effect of L-dopa on the concentrations of tryptophan, tyrosine and serotonin in rat brain. Karobath M, et al. Eur J Immunol 14:393-6, May 71
Influence of coronary dilators on the uptake of serotonin by human platelets and adrenaline by chromaffine granules. Grobecker H, et al. Experientia 27:299-301, 15 Mar 71
Pharmacological effects of carbaryl. II. Modification of serotonin metabolism in the rat brain. Hassan A, et al. Experientia 27:287-8, 15 Mar 71
Hypothalamic monoamines and pineal dopamine during the sexual differentiation of the rat brain. Hyyppä M. Experientia 27:336-7, 15 Mar 71
A diurnal serotonin cycle in the pineal body of Japanese quail: photoperiod phasing and the effect of superior cervical ganglionectomy. Hedlund L, et al. Gen Comp Endocrinol 16:52-8, Feb 71
5-hydroxytryptamine content of rat uterus with intrauterine device in one horn. Gulati OP, et al. Indian J Exp Biol 8:142-3, Apr 70
Stress induced changes in myocardial acetylcholine cholinesterase and 5-hydroxytryptamine and their modification by antiadrenergic drugs. Godhwani JL, et al. Indian J Med Res 58:1729-35, Dec 70
Effect of vitamin D2 and of ergosterol peroxide on deamination of mono- and diamines in liver mitochondria and on the activity of highly purified preparations of mitochondrial monoamine oxidases. Akopyan ZI, et al. Int Z Vitaminforsch 40:497-504, 1970
Mechanism of prostaglandin biosynthesis. 3. Catecholamines and serotonin as coenzymes. Sih CJ, et al. J Am Chem Soc 92:6670, 4 Nov 70
The role of 5-hydroxytryptamine and cyclic AMP in the control of fluid secretion by isolated salivary glands. Berridge MJ. J Exp Biol 53:171-86, Aug 70
Metabolism of serotonin by the rat retina in vitro. Cardinali DP, et al. J Neurochem 18:1769-70, Sep 71
Failure to detect 5-hydroxytryptamine-O-sulphate in normal rat brain and after monoamine oxidase inhibition. Korf J, et al. J Neurochem 17:447-8, Mar 70
The subcellular distribution of endogenous and exogenous serotonin in brain tissue: comparison of synaptosomes storing serotonin, norepinephrine, and gamma-aminobutyric acid. Kuhar MJ, et al. J Neurochem 18:333-43, Mar 71
Decrease of cerebral serotonin and 5-hydroxyindolylacetic acid caused by (-)-alpha-methyltryptophan. Sourkes TL, et al. J Neurochem 17:111-5, Jan 70
On the involvement of inorganic ions in the effect of gamma-aminobutyric acid on brain serotonin and norepinephrine. Yessaian NH, et al. J Neurochem 18:307-21, Mar 71
Uptake and release of 14 C-5-hydroxytryptamine by platelets in affective illness. Shaw DM, et al. J Neurol Neurosurg Psychiatry 34:224-5, Jun 71
The effect of drugs upon the uptake of 5-hydroxytryptamine and metaraminol by human platelets. Ahtee L, et al. J Pharm Pharmacol 23:495-501, Jul 71
Structural specificity for inhibition of [14C]-5-hydroxytryptamine uptake by cerebral slices. Carlsson A. J Pharm Pharmacol 22:729-32, Oct 70
A possible role for 5-hydroxytryptamine in drug-induced seizures. De la Torre JC, et al. J Pharm Pharmacol 22:858-9, Nov 70
Inhibition by p-chloroamphetamine of the conversion of 5-hydroxytryptamine to 5-hydroxyindoleacetic acid in rat brain. Fuller RW, et al. J Pharm Pharmacol 22:634-5, Aug 70
Effects of cocaine and amphetamine on the metabolism of tryptophan and 5-hydroxytryptamine in mouse brain in vivo. Schubert J, et al. J Pharm Pharmacol 22:860-2, Nov 70
Variation in hydroxytryptamine metabolism in the rat: effects on the neurochemical response to phencyclidine. Tonge SR, et al. J Pharm Pharmacol 23:711-2, Sep 71
Effect of vagal stimulation on duodenal serotonin in the guinea pig. Hohenleitner FJ, et al. J Pharm Sci 60:471-2, Mar 71
An investigation of the mechanism of potentiation by cocaine of responses to serotonin in sheep umbilical blood vessels. Dyer DC. J Pharmacol Exp Ther 175:571-6, Dec 70
The renal tubular transport and metabolism of serotonin (5-HT) and 5-hydroxyindoleacetic acid (5-HIAA) in the chicken. Hakim R, et al. J Pharmacol Exp Ther 175:749-62, Dec 70
Ultrastructural cytochemistry and pharmacology of 5-hydroxytryptamine in adrenergic nerve endings. 3. Selective increase of norepinephrine in the rat pineal gland consecutive to depletion of neuronal 5-hydroxytryptamine. Jaim-Etcheverry G, et al. J Pharmacol Exp Ther 178:42-8, Jul 71
The disposition and metabolism of tryptamine and the in vivo formation of 6-hydroxytryptamine in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rabbit. Lemberger L, et al.
J Pharmacol Exp Ther 177:169-76, Apr 71
Studies on the relationship between 5-hydroxytryptamine turnover in brain and tolerance and physical dependence in mice. Maruyama Y, et al.
J Pharmacol Exp Ther 178:20-9, Jul 71
Synthesis and uptake of 5-hydroxytryptamine by the myenteric plexus of the guinea-pig ileum. A histochemical study. Robinson RG, et al.
J Pharmacol Exp Ther 178:311-24, Aug 71
P-chloroamphetamine: in vivo investigations on the mechanism of action of the selective depletion of cerebral serotonin. Sanders-Bush E, et al.
J Pharmacol Exp Ther 175:419-26, Nov 70
Kinetics of serotonin accumulation into slices from rat brain: relationship to catecholamine uptake. Shaskan EG, et al. J Pharmacol Exp Ther 175:404-18, Nov 70
Brain serotonin turnover in morphine tolerant and dependent mice. Shen FH, et al.
J Pharmacol Exp Ther 175:427-34, Nov 70
Ultrastructural cytochemistry and pharmacology of 5-hydroxytryptamine in adrenergic nerve endings. II. Accumulation of 5-hydroxytryptamine in nerve vesicles containing norepinephrine in rat vas deferens. Zieher LM, et al.
J Pharmacol Exp Ther 178:30-41, Jul 71
Abnormalities of 5-hydroxytryptamine uptake and binding by blood platelets from children with Down's syndrome. Bouilin DJ, et al.
J Physiol (Lond) 212:287-97, Jan 71
Sleep elicited by clonidine and its relation to neurones containing 5-hydroxytryptamine. Holman RB, et al.
J Physiol (Lond) 217:51P-52P, Aug 71
Effect of environmental temperature on the turnover of 5-hydroxytryptamine in various areas of rat brain. Simmonds MA. J Physiol (Lond) 211:93-108, Nov 70
Effects of p-chlorophenylalanine, a serotonin depletor, on Sidman avoidance response in rats. Takaori S, et al.
Jap J Pharmacol 20:607-9, Dec 70
5-H.T. metabolism in psychiatric syndromes. Bowers MB Jr. Lancet 2:1029, 14 Nov 70
Pentylenetetrazol and ethamivan effects on brain serotonin metabolism. Díaz PM.
Life Sci [I] 9:831-40, 15 Jul 70
Effect of L-dopa treatment on brain serotonin metabolism in depressed patients. Goodwin FK, et al.
Life Sci [I] 10:751-9, 1 Jul 71
The maturation of the circadian rhythm of brain serotonin in the rat. Okada F.
Life Sci [I] 10:77-86, 15 Jan 71
Plasma metabolites and body distribution of radio-activity in normal and cirrhotic rats after intraportal injection of 14C-5HT. Pentikäinen P, et al.
Life Sci [I] 10:519-28, 1 May 71
Genetics of audiogenic seizures. 3. Time response relationships between drug administration and seizure susceptibility. Schlesinger K, et al.
Life Sci [I] 9:721-9, 1 Jul 70
The effect of delta-1-tetrahydrocannabinol on serotonin metabolism in the rat brain. Sofia RD, et al.
Life Sci [I] 10:425-36, 15 Apr 71
Hallucinogens and non-hallucinogens: a comparison of the effects on 5-hydroxytryptamine and noradrenaline. Tonge SR, et al.
Life Sci [I] 10:161-8, 1 Feb 71
Specificity of action of 6-hydroxydopamine in peripheral cat tissues: depletion of noradrenaline without depletion of 5-hydroxytryptamine. Votavova M, et al. Life Sci [I] 10:87-91, 15 Jan 71
Increased serotonin turnover in the acutely morphine treated rat. Yarbrough GG, et al.
Life Sci [I] 10:977-83, 1 Sep 71
Fusaric (5-butylpicolinic) acid, an inhibitor of dopamine beta-hydroxylase, affects serotonin and noradrenaline. Hidaka H.
Nature (Lond) 231:54-5, 7 May 71
Drug-induced release of 3H-norepinephrine and 3H-serotonin from brain slices. Ng KY, et al.
Nature (Lond) 228:468-9, 31 Oct 70
Effect of N,N-dimethyltryptamine and D-lysergic acid diethylamide on the release of 5-hydroxyindoles in rat forebrain. Randić M, et al.
Nature (Lond) 230:532-3, 23 Apr 71
Mode of action on the platelet 5-HT of the active principles in Toh's alkaline tissue extract. Shio H.
Naunyn Schmiedebergs Arch Pharmakol 267:123-34, 1970
Cerebrospinal fluid monoamine metabolites and peripheral decarboxylase inhibitors in parkinsonism. Chase TN.
Neurology (Minneap) 20:36-40, Dec 70 (38 ref.)
Psychoactive agents in dogs with bilateral lesions in subcortical structures. Goldstein S, et al.
Neurology (Minneap) 21:847-52, Aug 71
Biogenic amine transport. VI. Comparison of effects of ouabain and K+ deficiency on the transport of 5-hydroxytryptamine and norepinephrine by synaptosomes. Tissari AH, et al.
Pharmacology 5:225-34, 1971
The accumulation of H3-serotonin in platelet-free rats. Volicer L, et al. Pharmacology 4:203-8, 1970
Cerebral acetylcholine, serotonin, and norepinephrine in acute ammonia intoxication. Walker CO, et al.
Proc Soc Exp Biol Med 136:868-71, Feb 71
Effect of electroshock on 5-HT metabolism in rat brain. Engel J, et al. Psychopharmacologia 20:197-200, 1971
Endogenous depressions with and without disturbances in the 5-hydroxytryptamine metabolism: A biochemical classification? Korf J, et al.
Psychopharmacologia 19:148-52, 1971
Biogenic amines and schizophrenia. Fischer E.
Psychosomatics 11:495, Sep-Oct 70
Influence of temperature lowering of the encephalic centres on the cerebral serotonin release. Uluitu M.
Rev Roum Physiol 6:307-16, 1969
Narcotic tolerance and dependence: lack of relationship with serotonin turnover in the brain. Cheney DL, et al. Science 171:1169-70, 19 Mar 71
Brain serotonin content: physiological dependence on plasma tryptophan levels. Fernstrom JD, et al.
Science 173:149-52, 9 Jul 71
Postvagotomy serotonin depletion in mucosal mast cells of the rat stomach. Weichert RF 3d, et al.
Surg Forum 21:318-20, 1970
Simultaneous development of platelet factor 4 activity and release of 14C-serotonin. Harada K, et al.
Thromb Diath Haemorrh 25:41-6, 1971
The induction of the release reaction in human blood platelets by close cell contact. Massini P, et al.
Thromb Diath Haemorrh 25:13-20, 1971
Characteristics of platelet factor 3 release during ADP-induced aggregation. Comparison with 5 hydroxytryptamine release. Sixma JJ, et al.
Thromb Diath Haemorrh 24:206-13, 31 Oct 70
Some neurochemical correlates of altered memory consolidation. Essman WB.
Trans NY Acad Sci 32:948-73, Dec 70
Uptake of H3-5-hydroxytryptophan by noradrenergic nerves in the mouse pancreas studied with electron microscopic autoradiography. Ericson LE.
Z Zellforsch Mikrosk Anat 113:441-9, 1971
The effect of unilateral medial forebrain bundle lesion on 5-hydroxytryptamine in the pigeon brain. Ljunggren L.
Z Zellforsch Mikrosk Anat 117:303-13, 1971
Distribution of biogenic amines in the slug, Limax maximus. Osborne NN, et al.
Z Zellforsch Mikrosk Anat 112:15-30, 1971
Light and electron microscopic autoradiography of substantia nigra of rat after intraventricular administration of tritium labelled norepinephrine, dopamine, serotonin and the precursors. Parizek J, et al. Z Zellforsch Mikrosk Anat 115:137-48, 1971
Uptake of DOPA and 5-HTP in pancreatic islets and parafollicular cells studied by combined autoradiographic and fluorescence microscopic techniques. Tjälve H, et al.
Z Zellforsch Mikrosk Anat 113:83-93, 1971
[Bronchial carcinoid. Apropos of 5 cases, one of which was a carcinoid syndrome] Ley R, et al.
Acta Chir Belg 68:248-61, Apr 69 (Fre)
[Correlations between protein synthesis and serotonin in various activities of the central nervous system. (Slow and desynchronized sleep, learning and memory, sexual activity, morphine tolerance, aggressivity, Na gammahydroxybutyrate pharmacology] Laborit H.
Agressologie 12:9-23, 1971 (Fre)
[Synthesis and capture of monoamines in median eminence nerve fibers: in vitro study in ducks using high resolution radioautography] Calas A, et al.
C R Acad Sci [D] (Paris) 272:1890-2, 5 Apr 71 (Fre)
[Simultaneous determination of the levels of 5-hydroxytryptamine and 5-hydroxyindolacetic acid in the cerebrospinal fluid, hypothalamus and cerebral trunk of the rabbit in the course of fever induced by a bacterial pyrogen] Gardey-Levassort C, et al.
C R Soc Biol (Paris) 164:1946-51, 1970 (Fre)
[Action of amphetamine on the levels of noradrenaline and 5-hydroxytryptamine in the brain of rats exposed to cold (3 degrees C)] Beauvallet M, et al.
J Physiol (Paris) 1:Suppl 1:86, 1969 (Fre)
[Demonstration of the liberation of dopamine (DA) and serotonin (5HT) at the caudate nucleus level in the rat] Besson MJ, et al.
J Physiol (Paris) 1:Suppl 1:90, 1969 (Fre)
[The effect of sodium overload on noradrenaline and 5-hydroxytryptamine in the brain and heart of rats] Godefroy F.
J Physiol (Paris) 62:255-71, May-Jun 70 (Fre)
[Variation of cardia 5-hydroxytryptamine in rats after forced exercise] Weil-Fugazza J, et al.
J Physiol (Paris) 62:Suppl 2:329-30, 1970 (Fre)
[Effects of thioproperazine on the urinary excretion and concentration in the cerebrospinal fluid of 5-hydroxyindoleacetic acid in chronic schizophrenia] Albert JM, et al. Laval Med 42:167-71, Feb 71 (Fre)
[Action of sulpiride on the hypothalamic regulating centres for gastric secretion and motility and on serotonin depletion of the central nervous system] La Barre J. Pathol Biol (Paris) 19:213-20, Feb 71 (Fre)
[Effects of the Vichy cure on serotonin metabolism (new results of the determination of 5 HIA supplemented by the study of urinary serotonin] Loisy C, et al.
Presse Therm Climat 106:165-9, 1969 (Fre)
[Fractionation of platelet homogenates. IV. Quantitative determination of the release of structure-bound ATP and serotonin] Weber E, et al.
Biochem Pharmacol 19:1943-9, Jun 70 (Ger)
[Fractionation of platelet homogenates. 3. Properties of serotonin-containing vesicles] Weber E, et al.
Biochem Pharmacol 19:1929-42, Jun 70 (Ger)
[Serotonin metabolism in hyperthyroidism and primary hypothyroidism] Kljatschko VR, et al.
Endokrinologie 57:182-93, 1971 (Ger)
[Release of serotonin and histamine from thrombocytes by aliphatic and aromatic amines] May B, et al.
Naunyn Schmiedebergs Arch Pharmakol 265:24-48, 1969 (Ger)
[Collagen induced 5-HT- liberation in blood platelets] Barthel W, et al.
Thromb Diath Haemorrh 25:47-52, 1971 (Ger)
[Carcinoid syndrome of the small intestine] Pik A, et al.
Harefuah 77:452-4, 16 Nov 69 (Heb)
[Prevention of hypothalamic habitual abortion by periactin] Sadovsky E, et al.
Harefuah 78:332-4, 1 Apr 70 (Heb)
[Functional exploration of the enterochromaffin system] Melchionda N, et al.
Arch Ital Mal Appar Dig 35:602-12, Jun 69 (Ita)
[On the metabolism of 5HT in the CNS of the rat] Macri I, et al. Boll Soc Ital Biol Sper 45:932-4, 31 Jul 69 (Ita)
[Behavior of urinary 5-hydroxyindolacetic acid before and after administration of a serotonin depleting agent in chronic bronchitis patients] Corsi G, et al.
Med Lav 60:139-43, Feb 69 (Ita)
[Behavior of serotonin in the brain of rabbits poisoned with lead tetraethyl] Corsi GC, et al.
Med Lav 60:458-64, Jun-Jul 69 (Ita)
[Relationships between tissue serotonin and experimental intestinal occlusion] Cangemi V, et al.
Minerva Chir 26:755-6, 31 Jul 71 (Ita)
[Relations between acute experimental hypoxia and 5-HT (serotonin) concentration in the lung] Piat G, et al. Minerva Chir 26:764-5, 31 Jul 71 (Ita)
[Behavior of serotonin metabolism in helicopter pilots] Paolucci G, et al.
Riv Med Aeronaut Spaz 34:83-92, Jan-Jun 71 (Ita)
[Effects of amitriptyline on the metabolism of catecholamines and serotonin in depressed patients] Bruno A, et al.
Riv Neurobiol 15:749-61, Oct-Dec 69 (Ita)
[Relationship between ceruloplasmin and serotonin (5-HT). 1. Pigment formation from 5-HT] Minamidate A. Folia Pharmacol Jap 67:1-8, Jan 71 (Jap)
[Carcinoid of the bronchus--a case report] Matsuda M.
Jap J Cancer Clin 16:952-4, Sep 70 (Jap)
[5-hydroxytryptamine metabolism in the lens] Ono S, et al. Med Biol (Tokyo) 81:263-5, 10 Dec 70 (Jap)
[Serotonin metabolism in blood platelets--a possible relation to migraine] Lindgjaerde O.
Nord Med 85:669-70, 27 May 71 (Nor)
[Blood platelets as a neuron model for a serotonin pump] Lingjaerde O.
Nord Med 85:668, 27 May 71 (Nor)
[Biogenic amines and sleep] Kądzielawa K.
Postepy Hig Med Dosw 25:231-75, 1971 (Pol)
[Histotopography of the central nervous system structures containing catecholamines and serotonin] Kaluża J. Postepy Hig Med Dosw 25:175-94, 1971 (Pol)
[Anesthetic effect of a series of narcotic analgesics and its correlation with the ability to cause Bezold's triad] Doizhenko AT, et al.
Biull Eksp Biol Med 70:60-3, Aug 70 (Rus)
[The level of histamine and serotonin in the rat stomach wall in the development of neurogenic dystrophy] Grechishkin LL, et al.
Biull Eksp Biol Med 69:31-3, Mar 70 (Rus)
[Role of central serotoninergic processes in the occurrence of the phenomenon of head shaking in mice and rats due to tryptophan] Oksenkrug GF, et al.
Biull Eksp Biol Med 72:55-7, Jul 71 (Rus)
[Effect of vetrazine, chloraxicin, and chlorpromazine on the histamine and serotonin content of rabbit organs during bacteremia caused by Bac. prodigiosum] Romanovskaia MG, et al.
Biull Eksp Biol Med 71:51-4, May 71 (Rus)
[Effect of some chlororganic pesticides on serotonin metabolism] Khaĭkina BI, et al.
Farmakol Toksikol 34:357-9, May-Jun 71 (Rus)
[Disturbances of deamination of some nitrogen compounds in the liver in radiation injury] Akopian ZhI, et al. Radiobiologiia 10:826-31, Nov-Dec 70 (Rus)
[Changes in serotonin levels and monoamine oxidase activity in the brain of rats under the influence of hydrocortisone] Kononenko VIa, et al.
Fiziol Zh 16:600-8, Sep-Oct 70 (Ukr)
[Effect of melipramine on serotonin intake by animal brain tissue] Parkhomets PK, et al.
Ukr Biokhim Zh 42:687-90, 1970 (Ukr)

PHARMACODYNAMICS

On the role of vasoactive substances in haemodynamic changes induced by thrombin. Swedenborg J.
Acta Chir Scand 1-20, 1971
Influence of 5-hydroxytryptamine on insulin secretion. Lundquist I, et al.
Acta Endocrinol [Suppl] (Kbh) 155:188, 1971
Effect of thyroxine, reerpine and serotonin on allyl

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

alcohol induced hepatotoxicity in rats. Srinivasan S, et al. **Acta Pharmacol Toxicol (Kbh) 28:338-45, 1970**

Release of noradrenaline from the dog heart in situ following administration of 5-hydroxytryptamine (5-HT). Fillion G, et al. **Acta Pharmacol Toxicol [Suppl] (Kbh) 28:45, 1970**

Hypothalamic blood flow in cats during injection of biogenic amines. Hassler CR, et al. **Am J Physiol 220:196-201, Jan 71**

Studies of mucus flow in the mammalian respiratory tract. II. The effects of serotonin and related compounds on respiratory tract mucus flow. Dadaian JH, et al. **Am Rev Resp Dis 103:808-15, Jun 71**

Effects of serotonin and angiotensin on testicular blood vessels in the rat. Kormano M. **Angiologica 7:291-5, 1970**

Effects of reserpine and 5-hydroxytryptamine on the secretion of mucopolysaccharides in gastric juice of rats. Julkunen RJ, et al. **Ann Med Exp Biol Fenn 48:149-54, 1970**

Interaction of serotonin with the catecholamines. II. Activation and inhibition of adrenochrome formation. VanderWende C, et al. **Biochem Pharmacol 19:2001-7, Jun 70**

Mammary tumour development in BR6 mice: ovarian influences and 5-hydroxytryptamine. Lee AE. **Br J Cancer 24:561-7, Sep 70**

Stimulation by serotonin of erythropoietin-dependent erythropoiesis in mice. Lowy PH, et al. **Br J Haematol 19:711-8, Dec 70**

The release of biologically active substances from isolated lungs by 5-hydroxytryptamine and tryptamine. Alabaster VA, et al. **Br J Pharmacol 40:582P+, Nov 70**

Antinociceptive activity of morphine after injection of biogenic amines in the cerebral ventricles of the conscious rat. Sparkes CG, et al. **Br J Pharmacol 42:230-41, Jun 71**

The effect of 5-HTP on the static fusimotor activity and the tonic stretch reflex of an extensor muscle. Ahlman H, et al. **Brain Res 27:393-6, 2 Apr 71**

A comparison of the effects of monoamines on neurones of the bulbar reticular formation. Hösli L, et al. **Brain Res 25:357-70, 22 Jan 71**

Locomotor activity responses in juvenile sockeye salmon, Oncorhynchus nerka, to melatonin and serotonin. Byrne JE. **Can J Zool 48:1425-7, Nov 70**

Reflex apnea, bradycardia, and hypotension produced by serotonin and phenyldiguanide acting on the nodose ganglia of the cat. Jacobs L, et al. **Circ Res 29:145-55, Aug 71**

Effects of intrahypothalamic and intraventricular norepinephrine and 5-hydroxytryptamine on hypothalamic blood flow in the conscious rabbit. Rosendorff C, et al. **Circ Res 28:492-502, Apr 71**

Pharmacological characterization of neurons in the visceral and parietal ganglia of Helix pomatia. Wilgenburg H van, et al. **Curr Mod Biol 3:335-41, Feb 71**

Endocytosis of thyroglobulin and release of thyroid hormone in mice by catecholamines and 5-hydroxytryptamine. Ericson LE, et al. **Endocrinology 87:915-23, Nov 70**

In vitro effects of ACTH, angiotensins, serotonin and potassium on steroid output and conversion of corticosterone to aldosterone by isolated adrenal cells. Haning R, et al. **Endocrinology 87:1147-67, Dec 70**

Effects of melatonin and serotonin on the release of FSH and prolactin. Kamberi IA, et al. **Endocrinology 88:1288-93, Jun 71**

Effects of serotonin on iodide and intermediary metabolism in isolated thyroid cells. Maayan ML, et al. **Endocrinology 88:620-6, Mar 71**

Influence of some drugs on the immune response. 3. Effect of serotonin, 5-hydroxytryptophan, reserpine, monoamine oxidase inhibitors, and DOPA on the involvement of lymph node cells in the immune response. Devoino LV, et al. **Eur J Pharmacol 14:71-6, 1971**

Permeability of the blood-brain barrier to parenteral 5-hydroxytryptamine in the neonate chick. Hanig JP, et al. **Eur J Pharmacol 12:180-2, Oct 70**

Interactions between 5-hydroxytryptamine and a purified bacterial pyrogen when injected into the lateral cerebral ventricle of the wake rabbit. Peindaries R, et al. **Eur J Pharmacol 13:347-55, 1971**

On the role of serotonin and acetylcholine in sea urchin morphogenesis. Gustafson T, et al. **Exp Cell Res 62:102-17, Sep 70**

The influence of inhibitors of amine metabolism on the effects of serotonin and its metabolites on photic evoked potential in rabbits. Sabelli HC, et al. **Experientia 27:64-5, 15 Jan 71**

Central effects of 5-hydroxytryptamine and noradrenaline on body temperature and oxygen consumption in infant rats. Tirri R. **Experientia 27:274-6, 15 Mar 71**

Kinetics of increased vascular permeability induced in rat skin by serotonin. Tolone G, et al. **Experientia 27:66-7, 15 Jan 71**

Recovery effect of serotonin-creatinine sulfate complex on X-irradiated planarians. Villalobos-Pietrini R, et al. **Experientia 27:441-2, 15 Apr 71**

Hypersensitivity in mice. II. The effect of chemical compounds on systemic active anaphylaxis and on anaphylaxis-like reactions in normal and B. pertussis-pretreated mice. Dietrich FM, et al. **Int Arch Allergy Appl Immunol 40:495-506, 1971**

An assessment of platelet aggregation induced by 5-hydroxytryptamine. Hilton BP, et al. **J Clin Pathol 24:250-8, Apr 71**

The effect of 5-hydroxytryptamine on ovulation in rats. Endersby CA, et al. **J Endocrinol 48:63-4, Dec 70**

The effect of noradrenaline, dopamine, 5-hydroxytryptamine and melatonin on milk yield and composition in the rabbit. Shani J, et al. **J Endocrinol 50:543-6, Jul 71**

Inhibition of compensatory ovarian hypertrophy in mice by melatonin, 5-hydroxytryptamine and pineal powder. Vaughan MK, et al. **J Endocrinol 50:171-5, May 71**

Pharmacology of the Malpighian tubules of Rhodnius and Carausius: the structure-activity relationship of tryptamine analogues and the role of cyclic AMP. Maddrell SH, et al. **J Exp Biol 54:779-804, Jun 71**

Effects of dopamine, gamma-aminobutyric acid and 5-hydroxytryptamine on incorporation of 32P into phosphatides in slices from the guinea pig brain. Hokin MR. **J Neurochem 17:357-64, Mar 70**

The response of human cerebrum adenyl cyclase to biogenic amines. Shimizu H, et al. **J Neurochem 18:1157-61, Jun 71**

Effects of 5-HTP on sleep in Mongol children. Preliminary results. Petre-Quadens O, et al. **J Neurol Sci 13:115-9, May 71**

The effect of vaso-active substances on rat mesenteric blood vessels. Northover AM, et al. **J Pathol 101:99-108, Jun 70**

Restoration of blood pressure and heart rate responses to tyramine by infusion of 5-hydroxytryptamine in reserpine-treated pithed rats. Fozard JR, et al. **J Pharm Pharmacol 22:862-4, Nov 70**

Some 5-hydroxytryptamine-like actions of fenfluramine: a comparison with (+)-amphetamine and diethylpropion. Southgate PJ, et al. **J Pharm Pharmacol 23:600-5, Aug 71**

An investigation of the mechanism of potentiation by cocaine of responses to serotonin in sheep umbilical blood vessels. Dyer DC. **J Pharmacol Exp Ther 175:571-6, Dec 70**

Supersensitivity of the nictitating membrane to 5-hydroxytryptamine and norepinephrine after various procedures. Wakade AR, et al. **J Pharmacol Exp Ther 175:189-96, Oct 70**

Influence of ambient temperature on the thermoregulatory responses to 5-hydroxytryptamine, noradrenaline and acetylcholine injected into the lateral cerebral ventricles of sheep, goats and rabbits. Bligh J, et al. **J Physiol (Lond) 212:377-92, Jan 71**

The interactions between the effects on thermoregulation of TAB vaccine injected intravenously and monoamines injected into a lateral cerebral ventricle of the Welsh mountain sheep. Bligh J, et al. **J Physiol (Lond) 213:60P-62P, Mar 71**

The contractive mechanism of serotonin in the isolated rat jejunum; with special reference to its concentration-action curve. Fujimoto K, et al. **Kobe J Med Sci 16:101-18, Sep 70**

The contractive mechanism of serotonin in the guinea pig isolated intestine; with special reference to its concentration-action curve. Yamamoto Y, et al. **Kobe J Med Sci 16:51-70, Jun 70**

Increased sensitivity of Trichinella-infected mice to serotonin and histamine. Briggs NT, et al. **Life Sci [I] 9:797-802, 15 Jul 70**

Effects of serotonin on spontaneous ovulation in rats. Labhsetwar AP. **Nature (Lond) 229:203-4, 15 Jan 71**

Mode of action of 5-hydroxytryptamine on isolated rat vas deferens. Nishino K, et al. **Nature (Lond) 228:564-5, 7 Nov 70**

Increase in survival of subcultured fibroblasts mediated by serotonin. Boucek RJ, et al. **Nature [New Biol] 229:61-2, 13 Jan 71**

Drug-induced depression of gamma efferent activity. 3. Viscero-somatic reflex action of phenyldiguanide, veratridine and 5-hydroxytryptamine. Ginzel KH, et al. **Neuropharmacology 10:77-91, Jan 71**

Mechanism of the antagonism by 5-hydroxytryptamine of the toxicity due to certain cholinergic blocking agents. Simpson LL. **Neuropharmacology 10:335-45, May 71**

Effect of iontophoretically applied biogenic amines and of cholinomimetic substances upon the activity of neurons in the superior colliculus and mesencephalic reticular formation of the cat. Straschill M, et al. **Pfluegers Arch 324:43-55, 1971**

Intra-arterial injections of histamine, serotonin, or bradykinin: a topographic study of vascular leakage. Gabbiani G, et al. **Proc Soc Exp Biol Med 135:447-52, Nov 70**

Renal vascular response to plasma and to known vasoactive substances. Hysell JW, et al. **Proc Soc Exp Biol Med 135:930-3, Dec 70**

Effect of biogenic amines on the endocrine axis and esterase activity of hamster testes. Seibel HR, et al. **Proc Soc Exp Biol Med 135:132-7, Oct 70**

Cardiovascular responses to radioprotective compounds in rats. Wang RI, et al. **Radiat Res 45:355-63, Feb 71**

Receptors: localization and specificity of binding of serotonin in the central nervous system. Alivisatos SG, et al. **Science 171:809-12, 26 Feb 71**

Serotonin: two different inhibitory actions on snail neurons. Gerschenfeld HM. **Science 171:1252-4, 26 Mar 71**

Radioprotective activity of some sulphur analogues of tryptophol and 5-hydroxytryptamine. Deanovic Z, et al. **Strahlentherapie 140:749-52, Dec 70**

Biological protection mechanisms of radioprotectors in mammalian cells. 13. Effects of AET and serotonin on the DNA content of Ehrlich tumor cell nuclei. Kobayashi J, et al. **Tokushima J Exp Med 17:91-6, Nov 70**

Biological protection mechanisms of radioprotectors in mammalian cells. XV. Effects of AET and serotonin on DNA synthesis of Ehrlich tumor cells. Kobayashi J, et al. **Tokushima J Exp Med 17:101-3, Nov 70**

[Action of the serotonin base on the efferent activity of the 6th abdominal ganglion of the cockroach, Periplaneta americana] Jego P, et al. **C R Soc Biol (Paris) 164:1650-5, 1970 (Fre)**

[Action of serotonin on cat spinal cord activity] Chanelet J, et al. **J Physiol (Paris) 63:24A, Mar-Apr 71 (Fre)**

[Dopamine, serotonin and the action of ouabain] Sonneville PF. **Naunyn Schmiedebergs Arch Pharmakol 266:455-6, 1970 (Ger)**

[Autoradiographic investigations on the effect of several radioprotectors on DNA-synthesis in the embryonic brain anlages of the rat] Wegner G, et al. **Verh Dtsch Ges Pathol 54:475-80, 1970 (Ger)**

[Effect of an isoelectric field on the effects of some smooth muscle stimulating drugs] Möse JR, et al. **Z Biol 116:354-63, Jun 70 (Ger)**

[Effects of serotonin and a new antiserotonin agent (Liserdol) on some aspects of intestinal motility. Studies on the electric activity of the small intestine in man] Di Martino L, et al. **Arch Ital Mal Appar Dig 36:247-61, 1971 (Ita)**

[Various aspects of exocrine duodenal secretion in relation to particular pharmaco-chemical stimulations] Fontana G, et al. **Arch Patol Clin Med 44:445-55, 1967 (Ita)**

[Glomerular ultrastructural changes during experimental changes of renal hemodynamics and diuresis] Onida L, et al. **Atti Accad Med Lomb 23:315-9, Apr-Jun 68 (Ita)**

[Respiration of rat cerebral cortex slices after addition of 5-hydroxytryptophol] Macri I, et al. **Boll Soc Ital Biol Sper 45:934-5, 31 Jul 69 (Ita)**

[Effects of serotonin on the chick embryo heart in situ. Experimental macroscopic and microscopic findings] Giunti G, et al. **Mal Cardiovasc 10:499-524, 1969 (Ita)**

[Antiserotonin action of polypeptide fractions contained in Lysoartrosi] D'Atri G, et al. **Minerva Med 62:100-24, 13 Jan 71 (Ita)**

[Activity of Lysoartrosi on the contracting action of serotonin on various smooth muscles] D'Atri G, et al. **Minerva Med 62:89-99, 13 Jan 71 (Ita)**

[Effect of larger serotonin doses on the content of erythrocytes and hemoglobin in rabbit blood] Miętkiewski E, et al. **Acta Physiol Pol 22:75-82, Jan-Feb 71 (Pol)**

[Changes in blood supply and oxygen consumption by the brain under the effect of neurohormones and biogenous amines] Modrzejewski E. **Acta Physiol Pol 22:1-20, Jan-Feb 71 (Pol)**

[Serotonin and the function of smooth muscles (review of the literature)] Baksheev NS, et al. **Akush Ginekol (Mosk) 45:3-10, Sep 69 (Rus)**

[The effect of serotonin on the d-receptors of smooth muscles] Abramets II, et al. **Biull Eksp Biol Med 66:62-6, Aug 68 (Rus)**

[Effect of serotonin, its agonists and antagonists on some biochemical processes in the myocardium] Basaeva AI, et al. **Biull Eksp Biol Med 70:35-7, Oct 70 (Rus)**

[The effect of exogenous serotonin on blood platelet aggregation and various blood coagulation indices in experimental acute radiation sickness] Dorofeev VM, et al. **Biull Eksp Biol Med 69:21-3, Jun 70 (Rus)**

[Effect of vasoactive substances on the volumetric function of the pulmonary vessels] Dvoretskiĭ DP. **Biull Eksp Biol Med 70:7-10, Aug 70 (Rus)**

[Characteristics of serotonin-reactive structures of the right atrium in rabbits] Fedorova IB. **Biull Eksp Biol Med 68:56-9, Nov 69 (Rus)**

[Analysis of the receptive structures participating in the behavior reactions of cats to catecholamines and serotonin] Komissarov IV, et al. **Biull Eksp Biol Med 70:42-5, Sep 70 (Rus)**

[The effect of various pharmacologic substances on the pulmonary receptors] Maksimenko SF. **Biull Eksp Biol Med 65:60-3, Apr 68 (Rus)**

[The influence of serotonin on blood flow volume and pO2 in various regions of the brain] Mashkovskiĭ MD, et al. **Biull Eksp Biol Med 63:95-9, Nov 67 (Rus)**

[The nature of increased sensitivity of smooth muscle to acetylcholine under the effect of catecholamines

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and serotonin] Talalaenko AN.
Biull Eksp Biol Med 68:13-6, Sep 69 (Rus)
[The effect of serotonin on cardiac activity] Tkacheniko KN.
Biull Eksp Biol Med 66:22-6, 1968 (Rus)
[The development of vomiting under the influence of microinjections of serotonin into the hypothalamus, septum and amygdala of cats having previously received imipramine] Vakhing VA, et al.
Biull Eksp Biol Med 66:48-51, Sep 68 (Rus)
[Effect of serotonin and antiserotonin preparations on the development of early stages of mice embryos cultivated in vitro] Leonov BV, et al.
Dokl Akad Nauk SSSR 188:958-60, Oct 69 (Rus)
[Effect of serotonin on the function of the hypothalamo-hypophyseal-adrenal cortex system] Shrefberg GL, et al.
Dokl Akad Nauk SSSR 194:1237-40, 1970 (Rus)
[Effect of ionizing radiation on the excretion of radioprotective agents by urine in rats] Golubentsev DA, et al.
Farmakol Toksikol 33:607-10, Sep-Oct 70 (Rus)
[The influence of several vasoactive substances on the capacitance and resistance vessels of skeletal musculature] Cherniavskaia GV.
Fiziol Zh SSSR 56:375-83, Mar 70 (Rus)
[Behavioral and autonomic reactions provoked by chemical stimulation of the hypothalamus and septum] Vakhing VA, et al.
Fiziol Zh SSSR 56:38-47, Jan 70 (Rus)
[Effect of serotonin on the nicotinamide coenzyme content in the brain and liver tissues of rabbits] Kurskif MD, et al.
Izv Akad Nauk SSSR [Biol] 6:921-5, Nov-Dec 70 (Rus)
[Radiation-protective properties of o-acyl serotonin derivatives] Gorelova NV, et al.
Radiobiologiia 10:758-61, Sep-Oct 70 (Rus)
[The effect of cholinolytic substances on the threat reaction in cats] Burov IuV, et al.
Zh Vyssh Nerv Deiat 20:668-70, Jul-Aug 70 (Rus)
[The mechanism of changes in the behavioral reactions of cats caused by methoxyl derivatives of dopamine] Talalaenko AN.
Zh Vyssh Nerv Deiat 21:523-8, 1971 (Rus)
[Effect of serotonin and calcium on separate components of respiratory chain of mitochondria in some rabbit tissues] Kurskii MD, et al.
Ukr Biokhim Zh 42:584-8, 1970 (Ukr)
[Effect of serotonin on the content and distribution of calcium ions in the myometrium and liver of female rabbits] Kurskif MD, et al.
Ukr Biokhim Zh 43:219-24, Mar-Apr 71 (Ukr)

PHYSIOLOGY

Hormonal factors stimulating the motility of the intestinal tract in inflammation of its wall. Zeitlin IJ, et al. Am J Dig Dis 16:553-5, Jun 71
Evidence against mediation of ocular lesion by exposure, histamine, or serotonin following fifth nerve injury in rats. Moses RA, et al.
Am J Ophthalmol 71:574-7, Feb 71
Serotonin now: clinical implications of inhibiting its synthesis with para-chlorophenylalanine.
Ann Intern Med 73:607-30, Oct 70
Factors responsible for the carcinoid spectrum. A review. Cohen RM. Calif Med 114:1-6, Jan 71 (34 ref.)
Biogenic amines in normal and abnormal behavioral states. Bryson G. Clin Chem 17:5-26, Jan 71
The influence of the neurohumor serotonin on hibernation in the golden-mantled ground squirrel, Citellus lateralis. Spafford DC, et al.
Comp Biochem Physiol 38:239-50, 1 Feb 71
Serotonin: a possible mediator of behavioral suppression induced by anxiety. Wise CD, et al.
Dis Nerv Syst 31:Suppl:34-7, Nov 70
The role of 5-hydroxytryptamine in the behaviour of cats. Shillito EE. J Physiol (Lond) 210:162P, Sep 70
The localization of 5-hydroxytryptamine and its participation in neural inhibition of gastrointestinal smooth muscle. Gershon M.
Jap J Smooth Muscle Res 6:113-5, Jun 70
[Neuro-endocrine control of anterior pituitary secretion of gonadotropin. 3. Role of hypothalamic monoamines] Barry J.
Lille Med 14:1074-85, Nov 69 (Fre)
[On the thermolytic role of serotonin correlated with the thermoregulatory and hypnogenic functions of marmots and rats] Benetato G, et al.
Rev Roum Physiol 7:181-97, 1970 (Fre)
[Serotoninergic systems and the problem of false transmitters] Roberge AG, et al.
Union Med Can 100:475-9, Mar 71 (Fre)
[Serotonin and transport of calcium ions] Kurskif MD, et al. Ukr Biokhim Zh 43:110-7, 1971 (40 ref.) (Rus)

RADIATION EFFECTS

Tissue content of noradrenaline and 5-hydroxytryptamine in the rat after ionizing radiation. Johnsson JE, et al.
Int J Radiat Biol 18:311-6, 1970

SECRETION

Changes in serotonin release in hypothalamus during cooling or warming of the monkey. Myers RD, et al.
Am J Physiol 220:1746-54, Jun 71
Biological activity of diazonium compounds: studies on the mechanism of action of 4(or 5)-diazoimidazole-5(or 4)-carboxamide on 5-hydroxytryptamine release from rabbit platelets. I. Requirement for calcium ion. Yamamoto I, et al.
Biochem Pharmacol 19:1541-50, May 70
The release of acetylcholine and 5-hydroxytryptamine from the mesencephalon of the unanesthetized rhesus monkey. Beleslin DB, et al.
Brain Res 23:437-42, 28 Oct 70
Serotonin: release in cat brain and cerebrospinal fluid on stimulation of midbrain raphé. Sheard MH, et al.
Brain Res 26:455-8, 5 Mar 71
Theoretical and clinical considerations in anaesthesia for secreting carcinoid tumors. Déry R.
Can Anaesth Soc J 18:245-63, May 71
The spontaneous release of 5-hydroxytryptamine and acetylcholine within the diencephalon of the unanaesthetized rhesus monkey. Myers RD, et al.
Exp Brain Res 11:539-52, 1970
Calcium evoked release of 5-hydroxytryptamine from the brain of the unanesthetized cat. Myers RD, et al.
Experientia 26:1324-5, 15 Dec 70
Release of 5-hydroxytryptamine (5-HT) from septum and caudate nucleus. Holman RB, et al.
J Physiol (Lond) 210:163P, Sep 70
[Hydroxytryptaminergic transmission of the intraparietal nerves to the smooth muscle of dog esophagus] Singh I, et al.
J Physiol (Paris) 62:421-9, Sep-Oct 70 (Fre)
[Secretion of serotonin by the intestine under the influence of hypertonic solutions] Grosman IuS, et al.
Biull Eksp Biol Med 66:34-7, Nov 68 (Rus)

THERAPEUTIC USE

Protection against burn, tourniquet and endotoxin shock by histamine, 5-hydroxytryptamine and 5-hydroxytryptamine derivatives. Markley K, et al.
Br J Pharmacol 42:13-24, May 71
Chemical protection of the mouse against radiation-induced life shortening. Storer JB.
Radiat Res 47:537-47, Aug 71
[Preliminary note on the treatment of 5 cases of dumping syndrome with a preparation with a histamine-serotonin-human gamma globulin base. II] Morini V, et al. Clin Ter 50:567-8, 30 Sep 69 (Ita)
[5-hydroxytryptamine and neoplasm growth] Rudzit EA, et al.
Patol Fiziol Eksp Ter 14:84-93, Jul-Aug 70 (206 ref.) (Rus)
[Protective mechanism of serotonin on the bone marrow in benzotef administration] Vinnitskaia VB.
Pediatr Akush Ginekol 5:56-8, Sep-Oct 70 (Ukr)

TOXICITY

Attenuation of increased vascular permeability and toxicity of a radioprotective chemical mixture by chlorpromazine in mice. Hasegawa AT, et al.
Radiat Res 45:364-72, Feb 71
[Toxicity and radiation-protective properties of dextran derivatives containing serotonin] Chernov GA, et al.
Farmakol Toksikol 34:328-30, May-Jun 71 (Rus)

URINE

Detection of psychotomimetic N,N-dimethylated indoleamines in the urine of four schizophrenic patients. Tanimukai H, et al.
Br J Psychiatry 117:421-30, Oct 70
Effect of vehicles on metabolism of serotonin and imipramine. Ho BT, et al. J Pharm Sci 59:1780-2, Dec 70
[Serotonin in myomas of the uterus] Maroudis D, et al.
Zentralbl Gynaekol 92:223-5, 14 Feb 70 (Ger)

SEROTYPING (E5)

Pyocine typing of Pseudomonas aeruginosa: association between antigenic structure and pyocine type. Csiszár K, et al. Acta Microbiol Acad Sci Hung 17:361-70, 1970
Serological properties of Pseudomonas aeruginosa. II. Type-specific thermolabile (flagellar) antigens. Lányi B. Acta Microbiol Acad Sci Hung 17:35-48, 1970
Comparison of antigenic structure and phage pattern with biochemical properties of Staphylococcus aureus strains isolated from dogs and pigeons. Oeding P, et al.
Acta Pathol Microbiol Scand [B] 78:414-20, 1970
Problems in the serological typing of IPN virus. Vestergård Jorgensen P, et al.
Acta Vet Scand 12:145-7, 1971
Bovine viral diarrhea virus-host cell interactions: serotypes and their relationship to biotypes by cross neutralization. Fernelius AL, et al.
Am J Vet Res 32:229-36, Feb 71
Serologic typing of Nocardia asteroides by immunodiffusion. Pier AC, et al.
Am Rev Resp Dis 103:696-707, May 71
Method for typing antisera to Herpesvirus hominis by indirect hemagglutination inhibition. Bernstein MT, et al. Appl Microbiol 21:680-4, Apr 71
Additional Salmonella serotype: Salmonella enteritidis ser. Madigan (44:e:1,5). McElrath HB, et al.
Appl Microbiol 21:150-1, Jan 71
Serologic differentiation of human cytomegalovirus strains using rabbit hyperimmune sera. Brief report. Andersen HK.
Arch Gesamte Virusforsch 33:187-91, 1971
The diagnostic and epidemiologic significance of nephropathogenic Escherichia coli serotypes. Borowski J, et al.
Arch Immunol Ther Exp (Warsz) 18:32-45, 1970
A comparison of bluetongue virus and EHD virus: electronmicroscopy and serology. Thomas FC, et al.
Can J Comp Med 35:22-7, Jan 71
Reovirus antibodies in human sera in South India. George S, et al. Indian J Med Res 58:1680-5, Dec 70
A study of untypable strains of Pasteurella haemolytica. Aarsleff B, et al.
J Comp Pathol 80:493-8, Oct 70
Comparative study of the Lancefield and the Fuller methods in grouping beta hemolytic streptococci. el-Kholy AM, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:440-5, 1970
Serologic classification of Herpes simplex viruses. Hampar B, et al. J Immunol 106:580-2, Feb 71
Use of cryptograms for characterization of strains of the Bacillus thuringiensis-Bacillus cereus group. Krieg A. J Invertebr Pathol 17:297-8, Mar 71
Improved lymphocyte serotyping techniques for organ matching. Burger DR, et al.
J Surg Res 10:477-83, Oct 70
Production of antibody against Pseudomonas aeruginosa and its serological typing. Homma JY, et al.
Jap J Exp Med 41:89-94, Feb 71
Serological typing of Pseudomonas aeruginosa and its cross-infection. Homma JY, et al.
Jap J Exp Med 40:347-59, Oct 70
New serotype 7 of bovine adenovirus. Matumoto M, et al. Jap J Microbiol 14:430-1, Sep 70
Escherichia coli serotypes and renal involvement in urinary-tract infection. Mabeck CE, et al.
Lancet 1:1312-4, 26 Jun 71
Comparative studies of some recently described new leptospiral serotypes. Kmety E.
Trop Geogr Med 22:357-63, Sep 70
Serotypes in, and clinical notes on, leptospirosis in a plantation area of Sumatra. Smit AM, et al.
Trop Geogr Med 22:423-30, Dec 70
Production and testing of streptococcal M-antisera. Smith TB.
Z Immunitaetsforsch Exp Klin Immunol 141:430-40, Jun 71
The relation between M-typability of group A streptococci, virulence and antibody response in general practice. Valkenburg HA, et al.
Zentralbl Bakteriol [Orig] 214:458-64, 1970
[Haemophilus infection in pigs. 3. Serological studies on Haemophilus parahaemolyticus] Nicolet J.
Zentralbl Bakteriol [Orig] 216:487-95, 1971 (Fre)
[Classification of hemolytic coli strains isolated from piglets--serotyping, reaction in the intestinal ligature test and resistance to chemotherapeutics] Iliadis N.
Wien Tieraerztl Monatsschr 57:124-5, 1970 (Ger)
[Serotyping of Mycobacteria] Käppler W.
Z Erkr Atmungsorgane 133:459-62, Dec 70 (Ger)
[Results of blood- and serum-grouping in Hungary (phenotype-, genotype- and gene-frequencies)] Rex-Kiss B, et al.
Z Immunitaetsforsch Exp Klin Immunol 141:449-59, Jun 71 (Ger)
[A comparison of sensitin tests on guinea pigs with serotypes and virulence for chickens in M. avium and M. intracellulare] Anz W, et al.
Zentralbl Bakteriol [Orig] 215:536-49, 1970 (Ger)
[13 new types of Salmonella subgenus I and three serological variants] Bockemühl J, et al.
Zentralbl Bakteriol [Orig] 216:323-32, 1971 (Ger)
[Serology of Achromobacter haemolyticus] Friedericks A, et al.
Zentralbl Bakteriol [Orig] 204:121-7, 1967 (Ger)
[Technical modification of the swarming plate method according to Sven Gard in salmonella diagnosis] Koehn A.
Zentralbl Bakteriol [Orig] 215:449-55, 1970 (Ger)
[Occurrence of swine adenoviruses of serotypes 1-4 in Bavaria] Bibrack B.
Zentralbl Veterinaermed [B] 17:436-8, Mar 70 (Ger)
[New serotype 9 of bovine adenoviruses] Guenov I, et al.
Zentralbl Veterinaermed [B] 17:1064-6, Dec 70 (Ger)
[Serological classification of Staphylococcus. 1. Basic study] Sekiya T.
Acta Paediatr Jap 74:979-87, Dec 70 (Jap)
[Serological classification of Staphylococcus. 2. Tachikawa's method] Sekiya T.
Acta Paediatr Jap 74:988-1003, Dec 70 (Jap)
[Sero-typing of Pseudomonas aeruginosa isolated from the lesion of chronic otitis media] Sugiyama M, et al.
J Otolaryngol Jap 74:15-27, 20 Jan 71 (Jap)
[Pseudomonas aeruginosa infection in the hospital

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

environment. 2. Pigment production and serotype of Pseudomonas aeruginosa isolated from clinical specimens] Shigeta S, et al.
Jap J Clin Pathol 19:77-80, Jan 71 (Jap)
[Pseudomonas aeruginosa infection in the hospital environment. 2. Pigment production and serotype of Pseudomonas aeruginosa isolated from clinical specimens. Shigeta S, et al.
Jap J Clin Pathol 19:77-80, Jan 71 (Jap)
[Serological typing of pathogenic staphylococci with factor sera] Akatov AK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:126-9, Jan 71 (Rus)
[Serologic study of the somatic component isolated from Cor. diphtheriae] Kostiukova NN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:59-64, Apr 70 (Rus)
[Serologic properties of the Flexner bacteria isolated in Ashkhabad] Mel'kumiants NB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:53-5, Apr 70 (Rus)
[Study of the group and type classification of beta hemolytic Streptococcus in the patients treated in an in-patient department] Jokanović R, et al.
Srp Arh Celok Lek 98:867-71, Jun 70 (Ser)

VETERINARY

New serotype 8 of bovine adenoviruses. Bartha A, et al.
Acta Vet Acad Sci Hung 20:399-400, 1970
A suggested reclassification of avian mycoplasma serotypes. Barber TL, et al.
Avian Dis 15:125-38, Jan-Mar 71
[Coliform enterotoxemia in the shoat. Dependence upon the pathologico-anatomical changes in the coliform serotype] Bertschinger HU.
Schweiz Arch Tierheilkd 112:374-84, Aug 70 (Ger)

SEROUS MEMBRANE (A10)

CYTOLOGY

[Mesothelial cell effusions. Anatomo-cytological comparison] Marsan C, et al.
Sem Hop Paris 47:5595, 20 Feb 71 (Fre)

PHYSIOPATHOLOGY

[Tuberculous effusions of serous membranes in animals and man: measurement of pO2, pCO2 and pH] Moline J, et al.
C R Soc Biol (Paris) 164:1616-8, 1970 (Fre)

SERPASIL see RESERPINE (D2, D5, D6)

SERRATIA (B3)

CLASSIFICATION

Letters to the editor. Identification of Serratia organisms. Atkinson HM.
Am J Clin Pathol 54:772-3, Nov 70
Preliminary observations on the rapid differentiation of the Klebsiella-Enterobacter-Serratia group on bile-esculin-agar. Wasilauskas BL.
Appl Microbiol 21:162-3, Jan 71
[General properties of some strains belonging to the genus Alcaligenes. Taxonomic value of this tudy] Djambazov B, et al.
C R Acad Sci [D] (Paris) 272:339-42, 11 Jan 71 (Fre)

DRUG EFFECTS

Evaluation of non-lactose-fermenting members of the Klebsiella-Enterobacter-Serratia division. II. Antibiotic susceptibility. Oberhofer TR, et al.
Am J Clin Pathol 54:728-32, Nov 70
In vitro studies of semisynthetic alpha-(substituted-ureido) penicillins. Bodey GP, et al.
Appl Microbiol 21:710-7, Apr 71
[Behavior of hospital Serratia in the presence of several antibiotic associations] Brisou J, et al.
Pathol Biol (Paris) 19:655-60, Jun-Jul 71 (Fre)

ENZYMOLOGY

[Intestinal absorption of Serratia protease (TSP)] Moriya H, et al.
Folia Pharmacol Jap 67:40-8, Jan 71 (Jap)

GROWTH & DEVELOPMENT

Retrograde spread of organisms from ventilator to patient via the expiratory limb. Babington PC, et al.
Lancet 1:61-2, 9 Jan 71

ISOLATION & PURIFICATION

Evaluation of non-lactose-fermenting members of the Klebsiella-Enterobacter-Serratia division. I. Biochemical characteristics. Oberhofer TR, et al.
Am J Clin Pathol 54:720-5, Nov 70
Arthritis due to Serratia. Martin CM, et al.
J Bone Joint Surg [Am] 52:1450-2, Oct 70
Serratia osteomyelitis in sickle cell disease. Fonk J, et al.
JAMA 217:80-1, 5 Jul 71
[Rapid identification of the Enterobacter-Serratia group in the bacteriology laboratory] Freymuth F, et al.
Ann Biol Clin (Paris) 28:337-42, 1970 (Fre)

METABOLISM

Cation transport in Serratia marcescens and Serratia marinorubra. Gale NL, et al.
J Bacteriol 104:650-7, Nov 70
[Kinetics of ketogluconate formation in the gluconate-Stephenson medium in the presence of Serratia and Pseudomonas] Denis F.
C R Soc Biol (Paris) 164:381-4, 25 Sep 70 (Fre)

SERRATIA MARCESCENS (B3)

Serratia marcescens bacteremia. Clinical observations and studies of precipitin reactions. Crowder JG, et al.
Arch Intern Med 128:247-53, Aug 71
Serratia marcescens endocarditis. A report of a case involving Cross-Jones mitral valve prosthesis, with a review of the literature. Suri RK, et al.
Can Med Assoc J 104:1013-4, 5 Jun 71
A bacterium and dipterous parasite in wild populations of cowpea curculio larvae: effects of treatment with spores of Metarrhizium anisopliae. Bell JV, et al.
J Invertebr Pathol 17:256-9, Mar 71
Bacteremia due to Serratia marcescens. Henjyoji EY, et al.
J Trauma 11:417-21, May 71
Serratia marcescens. Biochemical characteristics, antibiotic susceptibility patterns, and clinical significance. Wilkowske CJ, et al.
JAMA 214:2157-62, 21 Dec 70
Serratia marcescens endotoxin shock in the dog. Ciuchta HP. Milit Med 135:479-82, Jun 70
Nonsense mutants of Serratia phage Kappa. I. Their isolation and use for proving circular linkage of the phage genes. Winkler U, et al.
Mol Gen Genet 106:239-53, 1970
Serratia marcescens sepsis. Fullen WD, et al.
Rev Surg 27:447, Nov-Dec 70
Chronic granulomatous disease of childhood. Hematogenous osteomyelitis due to non-pigmented Serratia marcescens. Nelson JP.
Rocky Mt Med J 67:17-20, Dec 70
Mechanism for the water-to-air transfer and concentration of bacteria. Blanchard DC, et al.
Science 170:626-8, 6 Nov 70
Evaluation of surgical masks: the potential of resin-treated wool. Garrow C, et al.
Surgery 69:881-3, Jun 71
Temperature-sensitive mutants of serratia phage Kappa. Wackernagel W, et al.
Virology 42:777-9, Nov 70
[Electron microscopic studies of various Serratia phages(] Lohr R von.
Z Allg Mikrobiol 10:269-74, 1970 (Ger)
[Occurrence of death of chick embryos caused by Serratia marcescens infection] Izawa H, et al.
Jap J Bacteriol 26:200-4, Jun 71 (Jap)
[Combined therapy of inflammatory diseases of the female genitalia with prodigiozan] Anisimov AV, et al.
Antibiotiki 16:175-7, Feb 71 (Rus)
[Combined use of prodigiozan and 8-mercaptoadenine for the stimulation of the antiviral resistance of cells] Braude AI, et al. Antibiotiki 15:735-9, Aug 70 (Rus)
[Increase of body resistance to infection and a stimulation of regenerative process under the combined effect of prodigiozan and methyluracil] Braude AI, et al. Antibiotiki 16:339-44, 1971 (Rus)
[Effect of prodigiozan and its combination with levomycetin, ampicillin on the course of experimental Salmonella carrier state] Elfimova VZ.
Antibiotiki 15:1002-5, Nov 70 (Rus)
[Prodigiozan stimulation of the defense reactions of the organism sustaining a severe toxicoinfectious process] Givental' NI.
Antibiotiki 15:335-40, Apr 70 (Rus)
[Activity of prodigiozan by various routes of administration and during non-specific stimulation of local (regional) defense mechanisms] Givental' NI.
Antibiotiki 16:345-50, 1971 (Rus)
[Effect of prodigiozan on the course of burns in dogs] Murashova NS, et al.
Antibiotiki 15:1078-81, Dec 70 (Rus)
[Effect of olivomycin and bruneomycin and their combined use with prodigiozan on some nonspecific defense reactions of the host organism of transplanted lymphadenosis NK-LI] Shapovalova SP.
Antibiotiki 15:924-8, Oct 70 (Rus)
[Effect of prodigiozan on the defense reaction of the organism at endonasal administration] Skurkovich GV, et al. Antibiotiki 15:648-52, Jul 70 (Rus)
[Use of prodigiozan in the complex therapy of acute pneumonia] Gurvich SM, et al.
Klin Med (Mosk) 48:78-82, Dec 70 (Rus)
[Experience in the use of prodigiozan in leukemia] Kovaleva LG, et al.
Klin Med (Mosk) 48:97-101, Jul 70 (Rus)

ANALYSIS

Outer cell envelope glycoprotein from two strains of Serratia marcescens. Tsang JC, et al.
Appl Microbiol 21:27-31, Jan 71
Supramolecular structure of the rigid layer of the cell wall of Salmonella, Serratia, Proteus, and Pseudomonas fluorescens. Number of lipoprotein molecules in a membrane layer. Braun V, et al.
Biochemistry 9:5041-9, 22 Dec 70
The chemical constitution of lipid A from Serratia marcescens. Adams GA, et al.
Can J Biochem 48:55-62, Jan 70
Asymmetric distribution of guanine plus thymine between complementary strands of deoxyribonucleic acid of members of the Enterobacteriaceae. Hershberger C, et al. J Bacteriol 106:238-42, Apr 71

DRUG EFFECTS

Effect of streptomycin on lipid composition with particular reference to cyclic depsipeptide biosynthesis in Serratia marcescens and other micro-organisms. Bermingham MA, et al.
Biochem J 119:861-9, Oct 70
The sensitivity of gram-negative bacteria, recovered from aerosols, to lysozyme and other hydrolytic enzymes. Hambleton P.
J Gen Microbiol 61:197-204, May 70
[Beta-lactamine associations. In vitro synergism and clinical results] Acar JF.
Pathol Biol (Paris) 19:593-7, Jun-Jul 71 (Fre)
[The effect of bentonite on Serratia marcescens and Bacillus megaterium in a mineral medium with gelatin] Vágner M, et al.
Zentralbl Bakteriol [Naturwiss] 125:39-48, 1970 (Ger)

ENZYMOLOGY

Studies on Serratia marcescens L-asparaginase. Khan AA, et al.
Biochem Biophys Res Commun 41:525-33, 9 Nov 70
Cyclic 3',5'-nucleotide phosphodiesterase of Serratia marcescens. Okabayashi T, et al.
Biochim Biophys Acta 220:116-23, 14 Oct 70
Purification and properties of L-asparaginase from Serratia marcescens. Boyd JW, et al.
J Bacteriol 106:578-87, May 71
Evaluation of three methods using deoxyribonuclease production as a screening test for Serratia marcescens. Black WA, et al.
J Clin Pathol 24:313-6, May 71
Inhibition of lymphoma 6C3HED by L-asparaginase from Serratia marcescens. Boyd JW, et al.
J Natl Cancer Inst 46:1271-6, Jun 71
[Immunological reactivity and immune specificity of DNAses of Bac. amyloxyma and Serratia marcescens] Nuzhina AM, et al. Biofizika 16:142-4, Jan-Feb 71 (Rus)
[Comparative study of deoxyribonuclease activity in pigmented strains of Serratia marcescens and their pigmentless variants] Gareishina AZ, et al.
Mikrobiologiia 39:1034-9, Nov-Dec 70 (Rus)
[Tricarboxylic cycle enzymes in a culture of Serratia marcescens] Li KB.
Mikrobiologiia 39:755-60, Sep-Oct 70 (Rus)

GROWTH & DEVELOPMENT

Effect of Apollo 11 lunar samples on errestrial microorganisms. Silverman MP, et al.
Nature (Lond) 230:169-70, 19 Mar 71
[Probable innate existence, revealed experimentally, of a circadian growth rhythm in Serratia marcescens taken initially in a nonrhythmic state] Guillot N.
C R Acad Sci [D] (Paris) 272:2500-3, 10 May 71 (Fre)
[Enrichment of auxotrophic mutants of Serratia marcescens by means of antibiotics] Stamminger G, et al. Arch Mikrobiol 73:231-7, 1970 (Ger)

IMMUNOLOGY

[Changes in the structure and biological properties of the complex O-antigen of Serratia marcescens under the effects of ultrasound] G'l'bov S.
Izv Mikrobiol Inst (Sofiia) 20:247-55, 1969 (Bul)
[Active immunizaton and emission into the air of bacteria inoculated via pulmonary route] Bouley G, et al.
Bull Inst Nati Sante Rech Med 24:1419-30, Nov-Dec 69 (Fre)

ISOLATION & PURIFICATION

Effect of sodium fluorescein and plating medium on recovery of irradiated Escherichia coli and Serratia marcescens from aerosols. Dorsey KL, et al.
Appl Microbiol 20:834-8, Nov 70
Bacteriocin (Marcescin) typing of clinical isolates of Serratia marcescens. Traub WH, et al.
Appl Microbiol 21:837-40, May 71
Serratia marcescens associated with bovine abortion. Smith RE, et al.
J Am Vet Med Assoc 157:1200-3, 1 Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Search for Serratia. Black WA, et al.
J Clin Pathol 24:444-8, Jul 71
[Concentration and separation of bacteria on Dowex anionite] Zviagintsev DG, et al.
Mikrobiologiia 40:139-43, Jan-Feb 71 (Rus)

METABOLISM

The molecular nature and replication of drug resistance factors of the Enterobacteriaceae. Rownd R, et al. Ann NY Acad Sci 182:188-206, 11 Jun 71
Increase in isoleucine accumulation by alpha-aminobutyric acid-resistant mutants of Serratia marcescens. Kisumi M, et al.
Appl Microbiol 21:569-74, Apr 71
Extracellular nitrogenous metabolits in Serratia marcescens. Marx A, et al.
Arch Roum Pathol Exp Microbiol 29:183-6, Mar-Jun 70
Cation transport in Serratia marcescens and Serratia marinorubra. Gale NL, et al.
J Bacteriol 104:650-7, Nov 70
Valine accumulation by alpha-aminobutyric acid-resistant mutants of Serratia marcescens. Kisumi M, et al. J Bacteriol 106:493-9, May 71
Influence of temperature of incubation and type of growth medium on pigmentation in Serratia marcescens. Williams RP, et al.
J Bacteriol 106:438-43, May 71
Induction of pigmentation in nonproliferating cells of Serratia marcescens by addition of single amino acids. Williams RP, et al. J Bacteriol 106:444-8, May 71
[Conditions for biosynthesis of ubiquinone-8 and vitamin K2 in Serratia marcescens] Bezborodov AM, et al. Mikrobiologiia 39:316-21, Mar-Apr 70 (Rus)

PATHOGENICITY

Serratia marcescens as a postoperative pathogen. Williams TW Jr, et al. Am J Surg 122:64-9, Jul 71
Nonpigmented Serratia marcescens arthritis in a teju (Tupinambis teguixin). Ackerman LJ, et al.
Am J Vet Res 32:823-6, May 71
Serratia marcescens. A pathogen of increasing clinical importance. Davis JT, et al.
JAMA 214:2190-2, 21 Dec 70
Serratia marcescens endocarditis.
JAMA 214:2185, 21 Dec 70
Infection in goats owing to Serratia marcescens. Wijewanta EA, et al. Vet Rec 87:282-4, 5 Sep 70

SERTOLI CELL TUMOR (C2)

Malignant sertoli cell tumor of the testis. Talerman A.
Cancer 28:446-55, Aug 71
[2 cases of testicular adenoma with Sertoli cells] Leger MH. Bord Med 4:1242-5, Apr 71 (Fre)

METABOLISM

Testicular tumors in the androgen insensitive pseudohermaphrodite rat: histochemistry and steroid metabolism. Vanha-Perttula T, et al.
Gynecol Invest 1:149-60, 1970

VETERINARY

The radiologic diagnosis of a testicular neoplasms in a dog. Hall E. J Am Vet Med Assoc 157:1238-40, 1 Nov 70
[Sertoli cell tumor with gynecomastia in the dog] Tremblay B. Can Vet J 12:29-30, Jan 71 (Fre)

SERTOLI CELLS (A5, A11)

On Sertoli cell number and distribution in rat testis. Bustos-Obregon E. Arch Biol (Liege) 81:99-108, 1970
[Effect of hypophysectomy on the Sertoli cells of the rat testicle] Vilar O.
Rev Argent Endocrinol Metab 14:155-6, Sep 68 (Spa)

CYTOLOGY

Ultrastructure of crystalloids in spermatogonia and Sertoli cells of normal human testis. Sohval AR, et al.
J Ultrastruct Res 34:83-102, Jan 71
Quantitation of the cells of the seminiferous epithelium of the human testis employing the sertoli cell as a constant. Rowley MJ, et al.
Z Zellforsch Mikrosk Anat 115:461-72, 1971
[Te e fine structure of the lizard testis (Reptiles, Lacertilia). II. The Sertoli cells. Study of the glycogen] Dufaure JP.
Z Zellforsch Mikrosk Anat 115:565-78, 1971 (Fre)
[Experimental study on the proliferation and the maturation of germ-cell, Sertoli cell and Leydig cell of the rat testis] Okada K.
Jap J Urol 61:1125-46, Dec 70 (Jap)

ENZYMOLOGY

The Sertoli cells in the testis of the common frog, Rana temporaria. Oordt PG van, et al.
J Endocrinol 48:1, Dec 70

IMMUNOLOGY

[Detection of an autoantigen in testicular tissue and in cells of monolayer cultures of guinea pig testis] Podoplelov II, et al.
Vestn Akad Med Nauk SSSR 26:82-6, 1971 (Rus)

METABOLISM

Carbon uptake response by sertoli cells and epithelial cells lining the duct system of the Japanese quail (Coturnix coturnix japonica). Atwal OS, et al.
Poult Sci 50:159-66, Jan 71

SERUM ALBUMIN (D10)

Variations in synalbumin insulin antagonism during tolbutamide tolerance tests. Vallance-Owen J, et al.
Acta Endocrinol [Suppl] (Kbh) 155:196, 1971
Further studies on the incidence of the synalbumin insulin antagonist. Vallance-Owen J, et al.
Acta Endocrinol [Suppl] (Kbh) 155:195, 1971
Separation by gel filtration and microdetermination of unbound bilirubin. I. In vitro albumin and acidosis effects on albumin-bilirubin binding. Chunga F, et al.
Acta Paediatr Scand 60:27-32, Jan 71
HBABA-index in neonatal icterus. Svenningsen NW, et al. Acta Paediatr Scand 60:105-8, Jan 71
Complex formation between macromolecules and drugs. IV. Binding of sulfa drugs to human serum albumin at varying pH values. Klofsson R, et al.
Acta Pharm Suec 7:473-82, Nov 70
Serum albumin. Peters T Jr.
Adv Clin Chem 13:37-111, 1970 (480 ref.)
Serum agglutinins to commercially prepared albumin. Golde DW, et al. Am J Clin Pathol 55:855-8, Jun 71
Stability of human serum albumin. Gabr Y, et al.
Arzneim Forsch 21:574, Apr 71
Fluorescence studies on human serum albumin. Lauder WB de, et al.
Biochem Biophys Res Commun 42:398-404, 5 Feb 71
The penetration of serum albumin into phospholipid monolayers of different fatty acid chain length and interfacial charge. Quinn P, et al.
Biochem J 119:21-5, Aug 70
Nitration of human serum albumin and bovine and human goiter thyroglobulins with tetranitromethane. Malan PG, et al. Biochemistry 9:3205-14, 4 Aug 70
The binding of chlorothiazide to plasma proteins. Breckenridge A, et al.
Biochim Biophys Acta 229:610-7, 23 Mar 71
A diaminostilbene dye as a hydrophobic probe for proteins. Kotaki A, et al.
Biochim Biophys Acta 229:547-56, 23 Mar 71
The effect of Ca2+ on the binding of steroids to human serum albumin. Ryan MT, et al.
Biochim Biophys Acta 222:206-9, 27 Oct 70
Isoelectric points and conformation of proteins. I. Effect of urea on the behavior of some proteins in isoelectric focusing. Ui N.
Biochim Biophys Acta 229:567-81, 23 Mar 71
Haemorrhage mimicking intravascular haemolysis. Harrison KM, et al. Br Med J 3:183-4, 17 Jul 71
Urea, albumin, and response rates. Peto R.
Br Med J 2:324, 8 May 71
Immunochemical and genetic studies in two bisalbuminemic families. Margni RA, et al.
Clin Chim Acta 29:219-25, Aug 70
Displacement of albumin-bound bilirubin by free fatty acids. Implications for neonatal hyperbilirubinemia. Starinsky R, et al. Clin Chim Acta 29:311-8, Aug 70
Indole-albumin association: a comparative study. McMenamy RH, et al.
Comp Biochem Physiol 26:329-35, Jul 68
Immunologic and biologic properties of antibodies to a glucagon-serum albumin polymer. Frohman LA, et al.
Endocrinology 87:1055-61, Nov 70
Protein binding of potent analogs of the gastrin peptides. Sachatello CR, et al.
Endocrinology 68:1303-8, Jun 71
Latex particle agglutination in the immunochemical system human serum albumin--anti-human serum albumin rabbit serum. Defelić G, et al.
Eur J Biochem 20:553-60, 29 Jun 71
Binding of aflatoxins B1 and G1 to human serum proteins. Wei RD, et al.
Experientia 27:458-60, 15 Apr 71
Methaemalbumin in pancreatic and other diseases. Battersby C, et al. Gut 11:979, Nov 70
Unusual albumin agglutinating property in the serum of a Japanese female patient with rectal cancer. Yamate E, et al. Hiroshima J Med Sci 19:159-61, Dec 70
Population studies on Southwestern Indian tribes. 3. Serum protein variations of Zuni and Papago indians. Brown KS, et al. Hum Hered 20:281-6, 1970
Serological cross-reactions between mouse serum albumin and various heterologous albumins. Dietrich FM. Immunochemistry 5:329-40, Jul 68
Precipitating antibodies to DNA induced by heat-denatured DNA-albumin conjugates in the rabbit. Forsén NR, et al. Immunology 19:669-76, Oct 70
Early 7S antibody--antigen complexes with affinity to spleen cells in chickens immunized with a low dose of human serum albumin. Iványi J.
Immunology 19:629-35, Oct 70
The influence of amount and avidity of persisting primary antibodies on the secondary response to human serum albumin in rabbits. Rubin B.
Immunology 21:475-81, Sep 71
A study of iron and protein deficiency in hookworm infestation. Saraya AK, et al.
Indian J Med Res 58:1234-43, Sep 70
The use of zirconium sulphate in the preparation of 113mIn and 99mTc-labelled albumin macroaggregates. Chapman C, et al.
Int J Appl Radiat Isot 21:679-81, Nov 70
Notes on the preparation of technetium-99m labelled albumin. Leach KG, et al.
Int J Appl Radiat Isot 22:53-4, Jan 71
Rapid preparation of macroaggregates of 99m Tc-sulphur and human serum albumin. Nelli GD.
Int J Appl Radiat Isot 22:42-4, Jan 71
The sulfhydryl group and the strong binding site of L-thyroxine in human serum albumin. Okubo A.
J Biochem (Tokyo) 69:803-5, Apr 71
The absence of specific copper (II)-binding site in dog albumin. A comparative study of human and dog albumins. Appleton DW, et al.
J Biol Chem 246:5040-6, Aug 71
Human immunologic response to soluble antigens. I. Hypersensitivity induced by a hapten-altered native protein. Brandriss MW, et al.
J Immunol 105:1416-26, Dec 70
Effect of cold exposure on the immunologic response of rabbits to human serum albumin. St. Rose JE, et al.
J Immunol 107:339-43, Aug 71
Macrophage-antigen interaction: uptake, metabolism and immunogenicity of foreign albumin. Schmidtke JR, et al. J Immunol 107:331-8, Aug 71
Semiautomated laboratory production of 99mTc-albumin. Benjamin PP, et al.
J Nucl Med 12:325-6, Jun 71
Instant labeling of macro- and microaggregated albumin with 99mTc. Honda T, et al.
J Nucl Med 11:580-5, Oct 70
Use of Fe(II) or Sn(II) alone for technetium labeling of albumin. Lin MS, et al. J Nucl Med 12:204-11, May 71
Interaction of bishydroxycoumarin with human serum albumin. Cho MJ, et al. J Pharm Sci 60:196-200, Feb 71
Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71
Fluorescent modification of serum albumin by lipid peroxidation. Fletcher BL, et al. Lipids 6:172-5, Mar 71
Twenty-four-hour perfusion and storage of canine kidneys with albumin and electrolyte solutions. Cooperman AM, et al. Mayo Clin Proc 46:193-6, Mar 71
To the editor: role of synalbumin insulin antagonist in the pathogenesis of diabetes mellitus. Vallance-Owen J, et al. Metabolism 20:521-7, May 71
Optical studies of drug-protein complexes. V. The interaction of phenylbutazone, flufenamic acid, and dicoumarol with acetylsalicylic acid-treated human serum albumin. Chignell CF, et al.
Mol Pharmacol 7:229-37, May 71
Fixed drug combinations and the displacement of bilirubin from albumin. Schiff D, et al.
Pediatrics 48:139-41, Jul 71
Species differences in the binding of phenylbutazone to plasma albumin. Chignell CF, et al.
Pharmacology 5:235-44, 1971
Formation of precipitins to albumin in normal and splenectomized rabbits during intravenous immunization. Bednařík T, et al.
Physiol Bohemoslov 20:39-42, 1971
Lung scanning with 99mTc-microspheres. Rhodes BA, et al. Radiology 99:613-21, Jun 71
Total circulating albumin deficits occurring with extensive surgical procedures. Hoye RC, et al.
Surg Gynecol Obstet 131:943-52, Nov 70
99m Tc-labelled serum albumin in cardiac output and blood volume studies. Williams MJ, et al.
Thorax 26:480-5, Jul 71
Large-scale procedure for reprocessing outdated clinical albumin. Wickerhauser M, et al.
Transfusion 10:264-71, Sep-Oct 70
An enhancing effect of albumin on the determination of cold hemagglutinins. Haynes CR, et al.
Vox Sang 20:46-54, Jan 71
[Methemalbuminemia: 2 cases] Jean R, et al.
Ann Pediatr (Paris) 17:126-9, 2 Feb 70 (Fre)
[On the immuno-morphology of sensitization. VI. Reactions of the pulmonary mesenchyma to serum albumin and to bovine serum albumin] Eskenasy A, et al.
Arch Roum Pathol Exp Microbiol 28:471-83, Jun-Sep 69 (Fre)
[Methods of measure of inhibition of peptic proteolysis by polysaccharides and acid glycoproteins] André C, et al. C R Soc Biol (Paris) 164:853-6, 1970 (Fre)
[3 cases of analbuminemia in a sibship] Irunberry J, et al. Rev Eur Etud Clin Biol 16:371-9, Apr 71 (Fre)
[Binding behavior of human serum albumin to desoxycholic acid. Study on the principle of transporting cellular toxins selectively into cancer

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tissue] Ardenne M von, et al.
Arzneim Forsch 21:65-8, Jan 71 (Ger)
[Determination of correction factors for dye-protein binding in strip electrophoresis. 3. Methodology of serum electrophoresis] Busse V, et al.
Z Klin Chem Klin Biochem 7:486-92, 8 Sep 70 (Ger)
[Albumin turbidity reaction of the blood serum. An advantageous modification] Turek S.
Z Klin Chem Klin Biochem 9:179-80, Mar 71 (Ger)
[Serum albumin-fluorine interaction. 3. Thermodynamics of the halogen-protein binding] Mangoni di S, et al.
Arch Stomatol (Napoli) 9:237-44, Jul-Sep 68 (Ita)
[Free amino acid analysis of the blood, urine and cerebrospinal fluid in a patient with analbuminemia] Arimori S, et al.
Med Biol (Tokyo) 81:43-6, 10 Aug 70 (Jap)
[1st case of analbuminemia in Japan] Arimori S, et al.
Naika 26:558-66, Sep 70 (Jap)
["Surgery and delirium tremens"] Naess A.
Nord Med 85:605-6, 13 May 71 (Nor)
[Dye-sensitized photochemiluminescence of aqueous solutions of serum albumin] Kutsenova AV.
Biofizika 15:793-9, Sep-Oct 70 (Rus)
[Photochemiluminescent study of conformational changes in serum albumin and ovalbumin] Nisenbaum GD, et al. Biofizika 14:402-6, May-Jun 69 (Rus)
[Strengthening photochemiluminescence of serum albumin solutions with xanthene dyes] Sapezhinskii II, et al. Biofizika 15:531-4, May-Jun 70 (Rus)
[Study of protein heat denaturation by biwave recording of changes in their ultraviolet fluorescence spectrum] Turoverov KK, et al.
Biofizika 15:965-72, Nov-Dec 70 (Rus)
[Differences in serum albumin resistance to heat and to trypsin in 2 species of frogs differing in thermophilic habit] Vitvitskii VN.
Dokl Akad Nauk SSSR 194:950-2, 1 Oct 70 (Rus)
[Synalbumin insulin antagonism in northern India] Bajaj JS, et al.
Acta Diabetol Lat 8:288-94, Mar-Apr 71 (Mul)

ADMINISTRATION & DOSAGE

Elevated serum alkaline phosphatase levels after the administration of certain preparations of human albumin. Mackie JA Jr, et al.
Am J Surg 121:57-61, Jan 71
[Interaction of streptomycin with blood serum and protein fractions and various methods of its study] Kivman GIa, et al. Antibiotiki 15:622-6, Jul 70 (Rus)

ANALYSIS

Bisalbuminemia of the fast type. Observations about a new family. Emanuelli G, et al.
Acta Haematol (Basel) 44:246-50, 1970
Albumin in epithelial cells of intrahepatic bile ducts in man. Brozman M.
Acta Histochem (Jena) 39:173-5, 1971
The localization of serum albumin in human liver cells. Brozman M. Acta Histochem (Jena) 39:89-100, 1971
Qualitative and quantitative analysis of the proteins in human amniotic fluid. Fischbacher PH, et al.
Am J Obstet Gynecol 108:1051-5, 1 Dec 70
Amino acid composition of rabbit plasma albumin and fibrin. Jacobs S, et al. Anal Biochem 27:178-82, Jan 69
Amino acid composition of monomeric and polymeric human serum albumin. Saifer A, et al.
Anal Biochem 27:1-14, Jan 69
The role of genetic factors and serum protein binding in determining drug response as revealed by comprehensive drug surveillance. Lewis GP, et al.
Ann NY Acad Sci 179:729-38, 6 Jul 71
Do heme and bilirubin have identical binding sites on the albumin molecule? Liem HH, et al.
Biochem Biophys Res Commun 42:634-9, 19 Feb 71
The partial structure of human plasma prealbumin and retinol-binding protein. Morgan FJ, et al.
Biochim Biophys Acta 236:798-801, 29 Jun 71
Influence of statistical method used on the resulting estimate of normal range. Reed AH, et al.
Clin Chem 17:275-84, Apr 71
Albumin standards and the measurement of serum albumin with bromcresol green. Doumas BT, et al.
Clin Chim Acta 31:87-96, Jan 71
Variations of the prealbumin in serum and urine of mice, according to strain and sex. Reuter AM, et al.
Comp Biochem Physiol 25:921-8, Jun 68
Serum proteins of the silver pheasant, Gennaeus nycthemerus. Schram AC.
Comp Biochem Physiol 38:481-92, 1 Oct 70
The three thyroxine-binding proteins in rat serum: binding capacities and effects of binding inhibitors. Davis PJ, et al. Endocrinology 87:978-86, Nov 70
Differential fluorescence spectrometry: a study of the interaction of a fluorescent compound (albumin) with a quencher (thyroxine). Hocman G.
Endokrinologie 57:176-81, 1971
A comparison of the sensitivity of electroimmunodiffusion and single radial diffusion in quantitation of immunoglobulins in dilute solution. Salvaggio JE, et al. J Allergy 46:326-35, Dec 70
Transferrin and pre-albumin polymorphisms in swine selected for backfat thickness. Kraeling RR, et al.
J Anim Sci 32:174-8, Feb 71
Cyanogen bromide fragments of human serum albumin. McMenamy RH, et al.
J Biol Chem 246:4744-50, 10 Aug 71
Effects of anabolic steroids on hormone-binding proteins, serum cortisol and serum nonprotein-bound cortisol. Barbosa J, et al.
J Clin Endocrinol Metab 32:232-40, Feb 71
Serum-alpha2-macroglobulin, transferrin, albumin, and IgG levels in preeclampsia. Horne CH, et al.
J Clin Pathol 23:514-6, Sep 70
The onset and development of anaemia and hypoalbuminaemia in rabbits infected with Fasciola hepatica. Dargie JD, et al.
J Comp Pathol 81:187-202, Apr 71
Evaluation of the portal pressure and plasma protein alteration in the ascitic stage of bilharzial hepatic fibrosis. Nooman ZM. J Egypt Med Assoc 53:231-4, 1970
Quantitation of specific proteins in blister fluid. Schmid P. J Invest Dermatol 55:244-8, Oct 70
Effect of measles on plasma-albumin levels in Ugandan village children. Poskitt EM. Lancet 2:68-70, 10 Jul 71
Value of serum-albumin measurements in nutritional surveys. A reappraisal. Whitehead RG, et al.
Lancet 2:287-9, 7 Aug 71
Reciprocal relation between plasma albumin level and hepatic sulfobromophthalein removal. Grausz H, et al.
N Engl J Med 284:1403-6, 24 Jun 71
Arginine content in serum protein and in serum protein fractions in cases of neoplastic disease. Farbiszewski R, et al. Neoplasma 18:179-83, 1971
Albumin losses in bile after partial hepatectomy. Butterfield PT, et al. Surgery 68:651-5, Oct 70
Electroimmunodiffusion: a simple, rapid, reliable, and valid method for the simultaneous determination of cerebrospinal fluid and serum immunoglobulin-G and albumin. Tourtellotte WW, et al.
Trans Am Neurol Assoc 95:323-5, 1970
Correlation between total serum protein and albumin-globulin ratio in malnourished brown trout. Carbery JT. Vet Rec 87:175, 8 Aug 70
Polymers in preparation of human serum albumin. Friedli H, et al. Vox Sang 18:542-6, Jun 70
[Value of methemalbumin in diagnosis and treatment of acute pancreatitis] Kiekens R, et al.
Acta Gastroenterol Belg 34:96-104, Jan 71 (Fre)
[Congenital bisalbuminemia] Dagenais-Pérusse P, et al.
Ann Pediatr (Paris) 17:58-60, 2 Jan 70 (Fre)
[The effect of animal protein and NaHCO3 on the occurrence of gout and on the protein content of the serum in chicks] Mazurkiewicz M, et al.
Arch Exp Veterinaermed 24:303-8, 1970 (Ger)
[Serum albumin and electrophoresis of its polymorphy] Seelig R, et al.
Dtsch Med Wochenschr 95:2493-9, 4 Dec 70 (63 ref.) (Ger)
[A human serum albumin variant (bisalbuminaemia). Occurrence and heredity in a family (area of Berlin)] Rose M, et al. Humangenetik 11:132-8, 1971 (Ger)
[Serum levels of immunoglobulins, albumins and beta-1 c-1A-globulins in patients with liver diseases] Aigner A, et al.
Wien Klin Wochenschr 83:637-40, 10 Sep 71 (Ger)
[Age-related behavior of serum proteins in acute and chronic inflammations] Schneider D, et al.
Z Gesamte Inn Med 25:1055-61, 1 Dec 70 (Ger)
[Comparative serum albumin examinations in mothers and newborn infants. 2. Examinations of a pregnancy-dependent protein during normal pregnancy course] Bayer H, et al.
Zentralbl Gynaekol 92:1201-8, 12 Sep 70 (Ger)
[Total protein, albumin and globulin--how to read its figures] Shibata S, et al.
Jap J Clin Med 29:Suppl:193-202, Jan 71 (Jap)
[Pathological hemin pigment of the serum--methemalbumin (diagnosis of hemorrhagic pancreatitis). Review of the literature] Lashchevker VM. Klin Khir 4:89-94, Apr 70 (57 ref.) (Rus)
[Changes in peptide maps and optical rotatory dispersion of rabbit serum albumin following thyroidectomy] Azhitskii GIu, et al.
Vopr Med Khim 17:16-7, Jan-Feb 71 (Rus)
[Protein fractions in the blood of diphtheria bacillus carriers] Filosofova TG, et al.
Mikrobiol Zh 31:491-5, Sep-Oct 69 (Ukr)
[Spectropolarimetric characteristics of albumin and globulin in thyroid toxicosis] Selivanova KF, et al.
Ukr Biokhim Zh 42:39-43, 1970 (Ukr)

BIOSYNTHESIS

Isolation of serum albumin-synthesizing polysomes from rat liver. Takagi M, et al.
Biochem Biophys Res Commun 42:125-31, 8 Jan 71
Effect of dicumarol upon protein synthesis in the rat. Berry DR, et al. Biochem Pharmacol 20:853-60, Apr 71
Functional differences in protein synthesis between free and bound polysomes of rat liver. Takagi M, et al.
Biochim Biophys Acta 217:148-58, 17 Sep 70
Albumin synthesis in liver slices of cirrhotic rats. Huberman A, et al. Clin Chim Acta 29:121-7, Jul 70
Intact endoplasmic reticulum and albumin synthesis in rat liver cell suspensions. Weignand K, et al.
Exp Cell Res 67:27-32, Jul 71
The biosynthesis of rat serum albumin. V. Effect of protein depletion and refeeding on albumin and transferrin synthesis. Morgan EH, et al.
J Biol Chem 246:3500-7, 10 Jun 71
The secretion of serum protein and the synthesis of albumin and total protein in regenerating rat liver. Schreiber G, et al. J Biol Chem 246:4531-8, 25 Jul 71
Evidence for the participation of the Golgi apparatus in the intracellular transport of nascent albumin in the liver cell. Glaumann H, et al.
J Cell Biol 47:555-67, Dec 70
Alcohol-induced depression of albumin synthesis: reversal by tryptophan. Rothschild MA, et al.
J Clin Invest 50:1812-8, Sep 71
The synthesis of serum albumin in normal and abnormal systems. Judah JD.
J Pathol 103:pxvii, Feb 71
Albumin synthesis rates in patients with hypoproteinemia. Walker WA, et al.
J Pediatr 78:812-20, May 71
Effect of insulin on the injury-stimulated synthesis of serum albumin in the rat. Balegno HF, et al.
Life Sci [II] 9:1039-44, 22 Sep 70
Synthesis of serum albumin, prealbumin, alpha-foetoprotein, alpha-1-antitrypsin and transferrin by the human yolk sac. Gitlin D, et al.
Nature (Lond) 228:995-7, 5 Dec 70
[Synthesis of plasma proteins and lipoproteins in vivo after partial hepatectomy] Infante R, et al.
C R Acad Sci [D] (Paris) 272:145-8, 4 Jan 71 (Fre)
[Total body irradiation and metabolism of serum albumin] Cier A, et al.
C R Soc Biol (Paris) 164:1723-5, 1970 (Fre)

CEREBROSPINAL FLUID

Studies in the movement of isotopes RI-131SA and Na24 from ventricular CSF fluid. Atkinson WJ.
Dev Med Child Neurol 13:51-62, Feb 71

DIAGNOSTIC USE

99mTc-human albumin microspheres (HAM) for lung imaging. Burdine JA, et al.
J Nucl Med 12:127-30, Mar 71
Preparation of 113mIn-albumin solution. Isawa T, et al.
J Nucl Med 12:138, Mar 71
Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism. Isawa T, et al.
J Nucl Med 12:606-9, Sep 71
Clinical comparison of two 99mTc tracers for brain scanning: pertechnetate vs. labeled albumin. Schall GL, et al. Radiology 99:361-8, May 71
[Possibility of the use of sulfur-colloid macroaggregates of of albumin labelled with radiotechnechnetium (99mTc-S + MAA) in lung scintiphotographic examination] Cabassa N, et al.
Fracastoro 63:101-7, Mar-Apr 70 (Ita)
[Synthesis of radiotechnetium labelled protein aggregates with lung tropism] Cabassa N, et al.
Fracastoro 63:93-100, Mar-Apr 70 (Ita)

ISOLATION & PURIFICATION

An effective method for defatting albumin using resin columns. Scheider W, et al.
Biochim Biophys Acta 221:376-8, 17 Nov 70

METABOLISM

The use of the bromsulphtalein method in investigations of the binding of substances to albumin. Kučerová L, et al.
Acta Univ Carol [Med] (Praha) 16:235-60, 1970
Hypoalbuminemia due to small intestinal lymphangiectasia in a case of amebiasis with amebae in the peritoneal fluid. Doxiadis T, et al.
Am J Dig Dis 16:41-3, Jan 71
Transport of large molecules from plasma to interstitial fluid and lymph in dogs. Garlick DG, et al.
Am J Physiol 219:1595-605, Dec 70
Hypoxia and iodoacetic acid and alveolocapillary barrier permeability to albumin. Goodale RL, et al.
Am J Physiol 219:1236-30, Nov 70
Exchange of free and albumin-bound Evans blue in interstitium of hamster kidney. Wilde WS, et al.
Am J Physiol 220:1991-9, Jun 71
Kinetics and clinical importance of displacement of warfarin from albumin by acidic drugs. Sellers EM, et al. Ann NY Acad Sci 179:213-25, 6 Jul 71
Albumin metabolism in rheumatoid arthritis. Ballantyne FC, et al. Ann Rheum Dis 30:265-70, May 71
Thiol distribution and mercaptalbumin reactivity in the blood plasma of different vertebrates. Fanti P.
Aust J Exp Biol Med Sci 48:631-44, Dec 70
The role of the kidney in albumin, transferrin and IgG catabolism in the rat. Seward JM, et al.
Aust J Exp Biol Med Sci 48:389-95, Aug 70
Plasma protein catabolism by the perfused rat liver. The effect of alteration of albumin concentration and dietary protein depletion. Hoffenberg R, et al.
Biochem J 118:401-4, Jul 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Further studies of the binding of bromsulphthalein by serum albumin. Crawford JS, et al. Br J Anaesth 43:344-51, Apr 71
A rapid method for the estimation of drug-albumin affinity constants in human plasma. Solomon HM, et al. Clin Pharmacol Ther 12:445-8, May-Jun 71
Serum albumin in pig epididymis. Sedláková E, et al. Comp Biochem Physiol 26:143-8, Jul 68
Renal catabolism of albumin in the nephrotic syndrome. Jensen H. Dan Med Bull 18:25-33, May 71
Micropuncture studies of proximal tubule albumin concentrations in normal and nephrotic rats. Oken DE, et al. J Clin Invest 50:1498-505, Jul 71
Studies on antigen-antibody complexes. I. Elimination of soluble complexes from rabbit circulation. Mannik M, et al. J Exp Med 133:713-39, 1 Apr 71
Fate of preformed immune complexes in rabbits and rhesus monkeys. Mannik M, et al. J Exp Med 134:Suppl:19s-31s, 1 Sep 71
Identification of albumin-bound fatty acids as the major factor in serum-induced lipid accumulation by cultured cells. Mackenzie CG, et al. J Lipid Res 11:571-82, Nov 70
Metabolic effects of exchange transfusions. I. Effect of citrated and of heparinized blood on glucose, nonesterified fatty acids, 2-(4 hydroxybenzeneazo) benzoic acid binding, and insulin. Schiff D, et al. J Pediatr 78:803-9, Apr 71
Facilitated penetration of amanitin-albumin conjugates into hepatocytes after coupling with fluorescein. Fiume L, et al. Nature [New Biol] 230:219-20, 14 Apr 71
Quantitative evaluation of the changes in serum prealbumins in myocardial infarction. Huczek-Głębocki J, et al. Pol Med J 9:817-9, 1970
The half-life of serum albumin in relation to liver hypertrophy in the lactating ewe. Mackie WS, et al. Res Vet Sci 12:54-8, Jan 71
[Albumin reserves as a criterion of protein rehabilitation] Kudlička V. Cesk Gastroenterol Vyz 25:23-8, Jan 71 (Cse)
[Influence of serum-binding capacity on the contrast media in the cholangiocystogram] Kölling K, et al. Fortschr Geb Roentgenstr Nuklearmed 113:372-5, Sep 70 (Ger)
[Significance of the binding of drugs to albumin and erythrocytes in a perfusion medium for the isolated rat liver] Jähnchen E, et al. Naunyn Schmiedebergs Arch Pharmakol 269:67-84, 1971 (Ger)
[Pharmacologic characterization of vascular barriers against erythrocytes and albumin] Just D, et al. Naunyn Schmiedebergs Arch Pharmakol 267:399-420, 1970 (Ger)
[The dye-binding capacity of plasma albumins in jaundiced newborn and premature infants] Braun W, et al. Paediatr Grenzgeb 9:353-8, 1970 (Ger)
[Studies of the metabolic behavior of 51 Cr-albumin] Höfer R, et al. Wien Klin Wochenschr 80:587-9, 2 Aug 68 (Ger)
[Proteolytic activity of the placenta at the end of pregnancy and its significance for the maternal organism] Krauss A. Zentralbl Gynaekol 92:1391-4, 17 Oct 70 (Ger)
[Evaluation of potential neuro-toxic effect of circulating bilirubin during neonatal period: I. Analytical comparison between residual binding capacity of albumin (R.B.C.A.) and saturation index (S.I.)] Priolisi A, et al. Pediatria (Napoli) 78:983-1007, 31 Dec 70 (Ita)
[Reserve serum albumin binding capacity in newborn infants] Togo J. J Jap Obstet Gynecol Soc 22:1291-300, Dec 70 (Jap)
[Binding of penicillins with serum protein. 3. Relationship between protein-binding of penicillins and other antibiotics and gel affinity] Nurakawa T, et al. Jap J Antibiot 23:223-7, Jun 70 (Jap)
[Serum albumin transport function in dysproteinemic states appearing after repeated blood donations] Kiss G, et al. Fiziol Norm Patol 17:241-4, 1971 (Rum)
[Permeability of the vascular system as a whole and various vascular-tissue barriers for J-131 labeled albumin] Karchevskii AF, et al. Fiziol Zh 14:825-9, Nov-Dec 68 (Ukr)
[Effect of urea on properties of human serum albumin in the monolayer] Iatsiuk MD. Ukr Biokhim Zh 42:480-3, 1970 (Ukr)
[Kinetics of protein antigen degradation by rabbit cathepsin D in the presence of immunoglobulins G] Stefanović J, et al. Bratisl Lek Listy 54:255-61, Sep 70 (Slo)

PHARMACODYNAMICS

Effect of human serum albumin on renal blood flow autoregulation in the anaesthetized dog. Kállay K, et al. Acta Physiol Acad Sci Hung 38:9-17, 1970
Albumin-induced resorption of fetal rat bone in vitro. Stern PH. Calcif Tissue Res 7:67-75, 1971
Effects of the synalbumin insulin antagonist in vivo; its examination with a new method. Kammerer L, et al. Diabetologia 6:473-4, Oct 70
The termination of immunological unresponsiveness to bovine serum albumin in rabbits. I. Quantitative and qualitative response to cross-reacting albumins. Benjamin DC, et al. J Exp Med 132:66-76, 1 Jul 70
Albumin-induced elevation of alkaline phosphatase. Wilkins DT. JAMA 215:486, 18 Jan 71
Insulin antagonism of normal and diabetic albumin after liver perfusion. Bajaj JS, et al. Lancet 1:16-7, 2 Jan 71
[Modification of skin circulation by 10 percent dextran 40 (Rheomarodex) and 17 percent albumin solution] Rüedi P. Z Gesamte Exp Med 152:263-8, 1970 (Ger)
[Effect of serum albumin on oxygen consumption and introduction of lysine-I-C14 into erythrocytes of chickens] Klimenko MD, et al. Ukr Biokhim Zh 42:654-7, 1970 (Ukr)

PHYSIOLOGY

Further studies on the incidence of the synalbumin insulin antagonist. Bajaj JS, et al. Diabetologia 7:136-8, Jun 71
Variations in synalbumin insulin antagonism during tolbutamide tolerance test. Bajaj JS, et al. Diabetologia 7:133-5, Jun 71

RADIATION EFFECTS

[Existence in irradiated proteins of latent unregistered centers responsible for the formation of peroxide and cystine EPR signals] Aripova DF, et al. Biofizika 16:146-52, Jan-Feb 71 (Rus)

SECRETION

The biosynthesis of rat serum albumin. IV. Apparent passage of albumin through the Golgi apparatus during secretion. Peters T Jr, et al. J Biol Chem 246:240-4, 10 Jan 71

THERAPEUTIC USE

Blood volume and plasma protein. VI. Changes in blood volume and plasma proteins on administration of macrodex or albumin after operations in man. Kaijser L, et al. Acta Chir Scand 136:1-7, 1970
[Use of serum albumin in extracorporeal hemodialysis] Karavanov AG, et al. Klin Khir 8:11-3, Aug 70 (Rus)
[Serum albumin and its use in clinical practice (literature review)] Perova SA, et al. Vestn Khir 106:137-40, Jan 71 (49 ref.) (Rus)
[Interferon induction in the bodies of various animals using different stimulators] Oganesian RKh, et al. Vopr Virusol 15:287-91, May-Jun 70 (Rus)
[Prolonged prophylactic action of gamma globulin and albumin in some droplet infections] Shatrov II, et al. Zh Mikrobiol Epidemiol Immunobiol 47:74-6, Jul 70 (Rus)
[The possibility of using serum albumin for prevention of infectious hepatitis] Spotarenko SS, et al. Zh Mikrobiol Epidemiol Immunobiol 47:39-44, Aug 70 (Rus)

TOXICITY

Low probability of allergic reaction to albumin microspheres. Rhodes BA. J Nucl Med 12:649-50, Sep 71

SERUM ALBUMIN, BOVINE (D10)

35Cl nuclear magnetic resonance studies of metal binding to bovine serum albumin. Sudmeier JL, et al. Anal Biochem 41:39-50, May 71
Statistical evaluation of diluents and automatic diluting and pipetting machines in influenza serology. O'Brien TC, et al. Appl Microbiol 21:311-5, Feb 71
The effect of bovine serum albumin on the measurement of the activity of highly purified Comamonas phenylalanine hydroxylase. Guroff G, et al. Arch Biochem Biophys 141:342-5, Nov 70
Hydration of macromolecules. II. Effects of urea on protein hydration. Kuntz ID Jr, et al. Arch Biochem Biophys 142:660-4, Feb 71
Binding of aquocobalamin to the histidine residues in bovine serum albumin. Taylor RT, et al. Arch Biochem Biophys 141:247-57, Nov 70
Humoral antibody response in rabbits after intragingival injections of bovine serum albumin and Escherichia coli endotoxin. Ball AT, et al. Arch Oral Biol 16:247-57, Mar 71
Stability region of albumin zones in sucrose density gradients at 1 G. Meuwissen JA, et al. Biochem Biophys Res Commun 41:675-81, 9 Nov 70
Binding of a diphenhydramine analogue to BSA. An NMR investigation. Vlies C van der. Biochem Pharmacol 19:859-64, Mar 70
Preparation of bovine mercaptalbumin and an investigation of its homogeneity. Hagenmaier RD, et al. Biochemistry 10:637-45, 16 Feb 71
Presence of arginine residues at the strong, hydrophobic anion binding sites of bovine serum albumin. Jonas A, et al. Biochemistry 10:1335-9, 13 Apr 71
Partial modification of bovine serum albumin with dicarboxylic anhydrides. Physical properties of the modified species. Jonas A, et al. Biochemistry 9:4729-35, 24 Nov 70
Limited digestion of citraconylated bovine serum albumin with alpha-chymotrypsin. Jonas A, et al. Biochemistry 9:5093-9, 22 Dec 70
Isoelectric focusing behavior of bovine plasma albumin, mercaptalbumin, and beta-lactoglobulins A and B. Kaplan LJ, et al. Biochemistry 10:630-6, 16 Feb 71
Conformation-dependent limited proteolysis of bovine plasma albumin by an enzyme present in commercial albumin preparations. Wilson WD, et al. Biochemistry 10:1772-80, 11 May 71
Relationship between the conformation of bovine serum albumin and its digestion by pepsin. Braam WG, et al. Biochim Biophys Acta 236:99-104, 27 Apr 71
N-14 magnetic resonance study of the interaction of urea and guanidine hydrochloride with albumins. Fung BM, et al. Biochim Biophys Acta 237:135-7, 20 Apr 71
Binding of sodium taurocholate by bovine serum albumin. Green HO, et al. Biochim Biophys Acta 231:550-2, 4 May 71
Studies on protein sulfenyl iodide derivatives of beta-lacto-globulin and bovine serum albumin. Jirousek L, et al. Biochim Biophys Acta 229:618-30, 23 Mar 71
Role of O-acetyl groups in the interaction of VI antigen with protein. McNicol LA, et al. Biochim Biophys Acta 229:233-9, 19 Jan 71
Ion binding of penicillins to proteins. Phillips GO, et al. Biochim Biophys Acta 215:491-502, 22 Sep 70
The binding of serum albumin to phospholipid liposomes. Sweet C, et al. Biochim Biophys Acta 219:253-62, 1 Dec 70
Denaturation of globular proteins. 3. A comparative study of the interaction of urea with several proteins. Warren JR, et al. Biochim Biophys Acta 229:216-25, 19 Jan 71
The adsorption of intrinsic factor concentrate to glass: occurrence and prevention with reference to radioisotope dilution assays of vitamin B 12. Newmark P, et al. Blood 38:524-8, Oct 71
Peroxidase-catalyzed conjugation of [4-14C]estradiol with albumin and thiols. Jellinck PH, et al. Can J Biochem 48:1192-8, Nov 70
Spectroscopic studies on molecular interactions. VI. Mechanism of metachromasy of 2-(4'-hydroxyphenylazo)benzoic acid by serum albumin. Moriguchi I, et al. Chem Pharm Bull (Tokyo) 18:2447-52, Dec 70
Binding of Ponceau 3R to bovine serum albumin. Terada H, et al. Chem Pharm Bull (Tokyo) 19:335-62, Feb 71
A physico-chemical study of calcium-albumin aggregation employing a calcium-specific electrode. Jacobs JS, et al. Clin Chim Acta 31:467-72, Feb 71
Studies on the effect of phytohaemagglutinin and anti-lymphocytic globulin on the primary humoral response to sheep erythrocytes and bovine serum albumin in hooded and Wistar rats. Allardyce RA, et al. Clin Exp Immunol 7:249-55, Aug 70
Studies on "nonspecific" binding. Andersson LO, et al. Eur J Biochem 20:371-80, 11 Jun 71
Volume changes in the isoelectric heat aggregation of serum albumin. Jaenicke R. Eur J Biochem 21:110-5, 15 Jul 71
Primary function of the growth-promoting -globulin in cell culture. Michl J, et al. Exp Cell Res 58:174-7, Nov 69
Effect of the vehicle in the bioassay of human chorionic gonadotropin. Giannattasio G, et al. Experientia 26:1268, 15 Nov 70
Responses of cells from different lymph nodes to BSA antigen in diffusion chambers. Holub M, et al. Folia Microbiol (Praha) 16:88-91, 1971
The reactions between formaldehyde, glutaraldehyde and osmium tetroxide, and their fixation effects o bovine serum albumin and on tissue blocks. Hopwood D. Histochemie 24:50-64, 1970
Immunochemical studies on a laminaribiosyl-azoprotein conjugate. Allen PZ, et al. Immunochemistry 7:567-79, Jun 70
The use of glutaraldehyde as a coupling agent for ribonuclease and bovine serum albumin. Sachs DH, et al. Immunochemistry 7:581-5, Jun 70
Variations in the properties of rabbit antibodies during prolonged immunization by various routes with serum albumin in Freund's complete adjuvant. Rodkey LS, et al. Immunology 19:219-24, Aug 70
Antibody responses of goldfish to bovine serum albumin. Primary and secondary responses. Trump GN, et al. Immunology 19:621-7, Oct 70
Quantitation of immediate hypersensitivity in various mouse strains. Griswold DE, et al. Int Arch Allergy Appl Immunol 40:582-90, 1971
The immune response to hapten-azo bovine serum albumin as detected by hemolytic plaque technique. Kishimoto S, et al. Int Arch Allergy Appl Immunol 34:544-55, 1968
Immunogenicity of bovine serum albumin in adult rabbits of various strains. Perrudet-Badoux A, et al. Int Arch Allergy Appl Immunol 40:928-33, 1971
Studies on the hapten-carrier specificity of lymphocyte

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

transformation. Warnatz H, et al.
Int Arch Allergy Appl Immunol 41:122-6, 1971
Affinity of radioiodinated bovine serum albumin for lymphoid cells. 3. Further experiments with cells of normal animals. Naor D, et al.
Isr J Med Sci 6:519-22, Jul-Aug 70
Bovine serum albumin-calcium binding studies. II. Effects of pH and pCa variations. Sachs CE, et al.
Isr J Med Sci 7:417-9, Mar 71
On the nature of the equilibrium product of the reaction between pyridoxal 5'-phosphate and bovine serum albumin. Evidence against sulfhydryl participation. Calabrese L, et al.
Ital J Biochem 19:118-24, Mar-Apr 70
Effect of salts on the N-F transition of bovine plasma albumin. Sogami M.
J Biochem (Tokyo) 69:819-22, Apr 71
On the mechanisms of pH-dependent hydrogen exchange of bovine plasma albumin in the range of pH 5 to 8.5. Benson ES, et al.
J Biol Chem 245:4144-9, 25 Aug 70
Nanosecond time-resolved fluorescence spectra of a protein-dye complex. Brand L, et al.
J Biol Chem 246:2317-9, 10 Apr 71
Structural studies and organic ligand-binding properties of bovine plasma albumin. King TP, et al.
J Biol Chem 245:6134-48, 25 Nov 70
Enzymatic modification of proteins. VI. Site of acylation of bovine serum albumin in the leucine, phenylalanine-transfer reaction. Leibowitz MJ, et al.
J Biol Chem 246:4431-8, 25 Jul 71
Isoelectric heterogeneity of bovine plasma albumin. Spencer EM, et al. J Biol Chem 246:201-8, 10 Jan 71
The role of organics in metallic passivation. Svare CW, et al. J Biomed Mater Res 4:457-67, Sep 70
IgE and IgGa antibody-mediated release of histamine from rat peritoneal cells. II. Interaction of IgGa and IgE at the targe cell. Bach MK, et al.
J Exp Med 133:772-84, 1 Apr 71
The termination of immunological unresponsiveness to bovine serum albumin in rabbits. I. Quantitative and qualitative response to cross-reacting albumins. Benjamin DC, et al. J Exp Med 132:66-76, 1 Jul 70
Relative absence of circulating antigen-reactive cells during oral immunization. Goldberg SS, et al.
J Immunol 107:757-65, Sep 71
The immune response of the pigeon (Columba livia). Guttman RM, et al. J Immunol 106:392-6, Feb 71
Specificity of anti-poly G-poly C antibodies. Nahon-Merlin E, et al. J Immunol 107:222-6, Jul 71
The enhancement of rabbit anti-BSA IgE, homocytotropic antibody production by Corynebacterium parvum strain 10387. Pinckard RN, et al. J Immunol 106:1602-8, Jun 71
Antigenic competition between mouse thyroglobulin and bovine serum albumin demonstrated by adoptive transfer. Twarog FJ, et al.
J Immunol 107:738-41, Sep 71
Passive hemagglutination. II. Titration of antibody against determinants unique for aggregated denatured bovine serum albumin and further studies on gelatin. Wolberg G, et al.
J Immunol 105:797-801, Oct 70
Reduced incidence of thymis lymphomas in AKR recipients of syngeneic marrow preincubated with bovine serum albumin. Uphoff DE.
J Natl Cancer Inst 44:1099-106, May 70
Competitive binding of two sulfas and penicillin G to bovine serum albumin using NMR techniques. Zia H, et al. J Pharm Sci 60:45-7, Jan 71
In vitro binding study of epinephrine and bovine serum albumin. Zia H, et al. J Pharm Sci 60:89-92, Jan 71
Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71
Tracer and mutual diffusion coefficients of proteins. Keller KH, et al. J Phys Chem 75:379-87, 4 Feb 71
Tolerance to a protein antigen in a poikilotherm, the marine toad Bufo marinus. Marchalonis JJ, et al.
Nature (Lond) 231:321-2, 4 Jun 71
Effect of mineral adjuvant on lymphocyte cooperation in the secondary antibody response to a hapten-protein conjugate. Strober S.
Nature (Lond) 228:1324-6, 26 Dec 70
Genetic control of the immune response of guinea pigs to limiting doses of bovine serum albumin: relationship to the poly-L-lysine gene. Green I, et al.
Proc Natl Acad Sci USA 66:1267-74, Aug 70
Establishment of syrian hamster fibroblast culture in albumin fortified medium. Matsuya Y, et al.
Proc Soc Exp Biol Med 135:893-8, Dec 70
Stimulation in vitro with protein carrier of antibodies against a hapten. Sulica A, et al.
Science 171:1165-7, 19 Mar 71
The effect of antilymphocytic antibody on the primary immune response of mice to sheep erythrocytes, bovine serum albumin, and type 3 pneumococcus polysaccharide. James K, et al.
Transplantation 12:109-13, Aug 71
[On the immuno-morphology ofsensitizaion. VI. Reactions of the pulmonary mesenchyma to serum albumin and to bovine serum albumin] Eskenasy A, et al.
Arch Roum Pathol Exp Microbiol 28:471-83, Jun-Sep 69 (Fre)
[Bacteriological and pharmacokinetic studies with carbenicillin] Biró L, et al.
Int Z Klin Pharmakol Ther Toxikol 4:330-3, Oct 70 (Ger)
[Bacteriological and pharmacokinetic studies with carbenicillin] Biró L, et al.
Int Z Klin Pharmakol Ther Toxikol 3:330-3, Oct 70 (Ger)
[Studies on the heterogeneity of human lymphocytes: separation of peripheral lymphocytes in a albumin density gradient and studies of solitary cell populations on their proliferative reaction in vitro] Riethmüller G, et al.
Klin Wochenschr 48:1343-9, 15 Nov 70 (Ger)
[Participation of the basic side-chain of phenothiazine derivatives in their albumin binding] Staab J, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:456-7, 1970 (Ger)
[Study of conformation transitions of bovine serum albumin in acid region by the luminescence method] Chernitskiĭ EA, et al.
Biofizika 15:406-15, May-Jun 70 (Rus)
[Association of bovine serum albumin at different pH] Shul'mina AI, et al.
Biokhimiia 35:524-8, May-Jun 70 (Rus)
[Immunologic tolerance in adult animals towards protein antigens subjected to biological filtration] Obrezha GN. Biull Eksp Biol Med 68:63-6, Nov 69 (Rus)
[Crystallization of the blood serum albumin in cattle] Gulyĭ MF, et al. Ukr Biokhim Zh 42:527-9, 1970 (Ukr)

ANALYSIS

Dodecyl sulfate-polyacrylamide gel electrophoresis of N'-dimethylaminonaphthalene-5-sulfonyl-proteins: a covalently attached fluorescent label. Shelton KR.
Biochem Biophys Res Commun 43:367-71, 16 Apr 71
Radioimmunoassay of bovine serum albumin and of anti-bovine serum albumin antibodies with the aid of polymerized bovine serum albumin. Sulitzeanu D, et al. Immunology 20:213-6, Feb 71
Size and shape determination of native and defatted bovine serum albumin monomers. I. Chemical characterization of lipids bound to native and defatted bovine serum albumin monomers. Rosseneu-Motreff M, et al.
J Biochem (Tokyo) 68:369-77, Sep 70
Quantitation of acute and chronic serum sickness in the rabbit. Wilson CB, et al.
J Exp Med 134:Suppl:7s-8s, 1 Sep 71
[Determination of protein binding of drugs in bicarbonate-buffered solutions] Jähnchen E.
Experientia 26:1285-6, 15 Nov 70 (Ger)
[Studies of the quantitative relations in the resorption of native proteins in newborn pigs] Möhring D, et al.
Z Tierphysiol 25:13-23, Mar 69 (Ger)

ANTAGONISTS & INHIBITORS

Sepcific removal of in vivo antibody by extracorporeal circulation over an immunoadsorbent in gel. Schenkein I, et al. J Clin Invest 50:1864-8, Sep 71

METABOLISM

Transport of fluorescent protein tracer in peripheral nerves. Kristensson K.
Acta Neuropathol (Berl) 16:293-300, 1970
Effect of thiamine deficiency on the competence of the blood-brain barrier to albumin labeled with fluorescent dyes. Robertson DM, et al.
Am J Pathol 63:393-402, Jun 71
Stabilization of serum albumin by anti-inflammatory drugs. Grant NH, et al.
Biochem Pharmacol 19:715-22, Mar 70
Fate of preformed immune complexes in rabbits and rhesus monkeys. Mannik M, et al.
J Exp Med 134:Suppl:19s-31s, 1 Sep 71
Interactions of drugs with proteins. II. Experimental methods, treatment of experimental data, and thermodynamics of binding reactions of thymoleptic drugs and model dyes. Weder JH, et al.
J Pharm Sci 59:1563-9, Nov 70
Basic polyelectrolytes and protein transport across the new-born pig intestine. Burton KA, et al.
J Physiol (Lond) 211:Suppl:27P+, Dec 70
[Studies on the uptake of soluble proteins by immunized cells in vitro] Haas W, et al.
Verh Dtsch Ges Pathol 54:253-8, 1970 (Ger)

PHARMACODYNAMICS

Disappearance of the delayed hypersensitivity reaction after intravenous antigen injection in the rat and guinea pig. Jokipii L.
Ann Med Exp Biol Fenn 48:226-33, 1970
Cell-free ammonia oxidation by Nitrosomonas europaea extracts: effects of polyamines, Mg2+ and albumin. Suzuki I, et al.
Biochem Biophys Res Commun 39:950-5, 5 Jun 70
Albumin-induced resorption of fetal rat bone in vitro. Stern PH. Calcif Tissue Res 7:67-75, 1971
Influence of albumin on testosterone metabolism in isolated perfused livers of guinea pigs. Demisch K, et al. Hoppe Seylers Z Physiol Chem 352:181-8, Feb 71
The effects of bovine albumin on the permeability of frog mesenteric capillaries. Levick JR, et al.
J Physiol (Lond) 210:36P-37P, Sep 70
Bovine serum albumin effect on endotoxin-challenged mitochondria. Schumer W, et al.
Surgery 69:699-701, May 71

RADIATION EFFECTS

[Change of the macrostructure of spin-labelled bovine serum albumin under gamma-irradiation] Iuferov VP, et al. Biofizika 15:404-7, May-Jun 70 (Rus)

THERAPEUTIC USE

[Immunomorphology of sensitization. VII. Effect of heterologous sensitization on the kinetics of experimental tuberculous inflammation] Eskenasy A, et al.
Arch Roum Pathol Exp Microbiol 29:265-73, Mar-Jun 70 (Fre)

SERUM ALBUMIN, RADIO-IODINATED (D1, D10)

New methods of organ visualization by radioisotope techniques. Höfer R. Acta Chir Belg 68:321-41, 1969
Blood volume. I. Critique: spun vs. isotope hematocrit; 125RIHSA vs. 51CrRBC. Swan H, et al.
Ann Surg 173:481-95, Apr 71
The construction of an instrument for more accurate, repeated blood volume determinations using HSA-131-I. Bojsen J, et al.
Int J Appl Radiat Isot 21:691-5, Dec 70
Continuation of the study of the effect of thoracic mobilization on the distribution of 131 I MAA in the lungs. Murphy AJ.
J Am Osteopath Assoc 70:1057-8, Jun 71
A study of the liver circulation by indicator-dilution method with a conductivity cell. Valentinuzzi M, et al.
J Am Osteopath Assoc 70:1093-6, Jun 71
Rupture of a mediastinal vein detected by 131-I-MAA scanning. Bachynski JE.
J Can Assoc Radiol 22:58-9, Mar 71
131-I-MAA scintiscanning of the lungs. An analysis of results from 313 performances. Bovornkitti S, et al.
J Med Assoc Thai 53:857-81, Dec 70
RISA cisternographic studies in various neurological disorders. Chitanondh H, et al.
J Med Assoc Thai 54:5-17, Jan 71
RISA cisternography as a routine procedure in neurological patients. Oosterhuis HJ, et al.
J Neurol Sci 13:209-26, Jun 71
Isotopic cisternography in Sturge-Weber syndrome. Chang JC, et al. J Nucl Med 11:551-3, Sep 70
Spinal cord dosimetry in 131-I-IHSA cisternography. Harbert JC, et al. J Nucl Med 11:534-41, Sep 70
Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism. Isawa T, et al.
J Nucl Med 12:606-9, Sep 71
Cerebrospinal fluid circulation following subarachnoid hemorrhage. Rudd TG, et al.
J Nucl Med 12:61-3, Feb 71
Lung scan in cardiopulmonary disease. I. Tetralogy of Fallot. Lin CY.
J Thorac Cardiovasc Surg 61:370-9, Mar 71
Risa cisternography. Culebras-Fernández A.
N Engl J Med 284:449, 25 Feb 71
Blood-pool imaging of the placenta with short-lived radioisotopes. 113m Indium-gelatin Vs 131 RISA and 99m technetium-albumin. Sharf M, et al.
Obstet Gynecol 38:217-20, Aug 71
Albumin I 131 studies in rheumatoid joints. Jankowiak J, et al. Reumatologia 9:109-12, 1971
Study on peripheral circulation using 131-I-macroaggregated serum albumin. Shida H, et al.
Tohoku J Exp Med 101:311-6, Aug 70
Differential diagnosis of organic and functional impotence by the use of 131-I-human serum albumin. Shirai M, et al. Tohoku J Exp Med 101:317-24, Aug 70
[Isotope cystography] Viville C, et al.
Acta Urol Belg 36:93-7, Jan 68 (Fre)
[Quantitative method for the determination of I-131 albumin in jejunal fluid] Szantay I, et al.
Agressologie 11:525-8, 1970 (Fre)
[Lymphodynamic study with radio-iodinated 131 serum albumin in inguino-abdominal lymph node tuberculosis] Cavaliere P, et al.
Angeiologie 23:119-23, Mar-Apr 71 (Fre)
[Comparison of the cardiac output measured by iodine 131 and that measured by the Fick method] Mestan J, et al. Arch Mal Coeur 63:1485-92, Oct 69 (Fre)
[The value of the gamma-angiocardiogram in the study of left-right intrathoracic shunts] Warembourg H, et al. Arch Mal Coeur 63:385-400, 3 Mar 69 (Fre)
[Contribution of radiocardiography to the study of cardiac output and blood volume in 20 patients operated on by open-heart surgery] Roche P, et al.
Coeur Med Interne 9:503-16, Oct 70 (Fre)
[Value and limitations of pulmonary scintigraphy using

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

albumin macroaggregates labeled with iodine 131] Lamy P, et al.
J Fr Med Chir Thorac 24:707-14, Sep-Oct 70 (Fre)
[Effect of a new vascular drug, 4216 S, on circulatory flow in patients with chronic angiopathy of the lower extremities: determination of an index of vascularization of the lower extremities by serum albumin tagged with iodine 131] Dugois P, et al.
Lyon Med 222:43-7, 6 Jul 69 (Fre)
[Brain scintigraphy and diagnosis of tumor type. Experience with RIHSA scintigraphy] Heilmann HP, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:664-75, May 70 (Ger)
[Blood volume determination using iodine 131-albumin in correction of heart defects during extracorporeal circulation] Struck E, et al.
Langenbecks Arch Chir 322:678-82, 1968 (Ger)
[Phlebography following determination of venous blood flow velocity of the lower extremities using R.131-I.S.A. (131-I-serumalbumin)] Kotoulas K, et al.
Roentgenpraxis 24:113-8, May 71 (Ger)
[Identification of a right-left pulmonary a-v shunt in congenital cardiopathy with prevalent left-right shunt. Study with I-131 labelled albumin macroaggregates (MAAI 131)] Dal Palù C, et al.
Acta Isot (Padova) 7:325-40, 30 Dec 67 (Ita)
[Early experiences of isotope cisternography and ventriculography in neurosurgical patients] Frigeni G, et al.
Minerva Neurochir 14:215-24, Apr-Sep 70 (Ita)
[Studies on Kupffer's stellate cells, especially on reticuloendothelial system function test using 131-I labelled aggregated albuin.] Yamagata S, et al.
J Jap Soc Intern Med 59:1076-83, Oct 70 (Jap)
[Examination of the cervical lymph nodes with the aid of labeled human albumin (J131) in patients with laryngeal cancer] Sekula J, et al.
Otolaryngol Pol 25:121-8, 1971 (Pol)
[Fast method of determining circulating blood volume using I-131-albumin] Malov GA.
Med Radiol (Mosk) 15:31-4, Nov 70 (Rus)
[Evaluation of the Johnson-Sevelius method for determining coronary circulation] Mazel' GS.
Med Radiol (Mosk) 15:23-9, Sep 70 (Rus)
[Simplification of the method for quantifying central arteriovenous shunts by means of selective left radiocardiography] Pascual JA, et al.
Medicina (B Aires) 30:451-8, Sep-Oct 70 (Spa)
[Lymphography of the thoracic duct and asubcutaneous absorption of I-131 albumin. Review of the relations between the lymphatic system and cardiopathies] Peláez Redondo J, et al.
Rev Esp Cardiol 23:213-36, Jun 70 (Spa)
[Isotope localization of the placenta] Agüero O, et al.
Rev Obstet Ginecol Venez 30:67-82, 1970 (Spa)

ADMINISTRATION & DOSAGE

Low-dose RISA for placental localization. McCormick WG, et al. Obstet Gynecol 38:688-91, Nov 70

ADVERSE EFFECTS

wo severe reactions following a pulmonary scan in a patient with idiopathic pulmonary haemosiderosis. Bliek AJ, et al. J Nucl Med 12:90-2, Feb 71
Aseptic meningitis following the intrathecal injection of radioiodinated serum albumin. Oldham RK, et al.
Radiology 97:317-21, Nov 70

CHEMICAL SYNTHESIS

131 I-labelling of human serum albumin by the iodinemonochloride and chloramine-T methods. Hallaba E, et al. Int J Appl Radiat Isot 22:46-9, Jan 71

DIAGNOSTIC USE

[The use of radio-iodinated human albumin macroaggregates in pulmonary scintiscanning] Boldi Trotti M, et al.
Arch Sci Med (Torino) 128:76-84, Apr-Jun 71
A method for measuring the normal blood volume of the rat using (125-I)labelled albumin. Brooks S.
Aust J Exp Biol Med Sci 49:241-3, Apr 71
Intra-synovial 131 I human serum albumin (HSA) in the investigation of joint disease. Muirden KD, et al.
Aust NZ J Med 1:121-5, May 71
RISA brain scans in chilren. Movement of radioactive albumin in cerebrospinal fluid aids recognition of disturbances in flow. Samuels LD, et al.
Clin Pediatr (Phila) 10:109-14, Feb 71
Radioactive albumin, red blood cells, and sodium as indicators of tissue damage after frostbite. Kettelkamp DB, et al. Cryobiology 8:79-83, Feb 71
External localization of experimental abscesses: scanning staphylococcal abscesses with antibody to staphylococcus. Baker GH, et al.
Invest Radiol 6:268-72, Jul-Aug 71
Measurement of lower extremity arteriovenous shunting with 131-I-macroaggregates of albumin. Rosenthall L, et al. J Can Assoc Radiol 21:153-5, Sep 70
Liver and lung scintiphotos for the detection of subdiaphragmatic abscess--an easy technique. Gallamore GD. J Nucl Med 12:144-5, Mar 71
Isotope cisternography in the evaluation of patients with subarachnoid hemorrhage. Williams JP, et al.
J Nucl Med 11:592-6, Oct 70
[Cisternography. Contribution to hydrocephalus diagnosis] Julien MJ. Bord Med 3:2441-2, Oct 70 (Fre)
[Technical considerations on pulmonary scintigraphy with albumin macroaggregates labeled with iodine-131 (400 cases)] Methlin G, et al.
J Radiol Electrol Med Nucl 49:795-805, Nov 68 (Fre)
[Determination of the biological half life of 131-I-albumin by means of the whole body counter for clinical diagnosis] Wagner A, et al.
Med Klin 65:248-52, 6 Feb 70 (Ger)
[Evaluation of the renal vascular component of the first segment of the renogram, using human serum albumin I-131 (Sari)] Di Chiara F, et al.
Friuli Med 24:85-93, Jan-Feb 69 (Ita)
[Our experience in the use of radioisotope placentography] Sadauskas VM, et al.
Akush Ginekol (Mosk) 46:51-3, Nov 70 (Rus)
[Radioisotope diagnosis of bone tumors] Gabuniia RI, et al. Vopr Onkol 17:36-41, 1971 (Rus)

ISOLATION & PURIFICATION

Rapid and simple microscale separation of proteins after radioiodination. Ceska M, et al.
J Chromatogr 57:145-7, 22 Apr 71

METABOLISM

In vitro studies on the fate of antigen. 4. The digestion of human serum albumin and ferritin by extracts of mouse spleen. Rhodes JM.
Acta Pathol Microbiol Scand [B] 79:153-62, 1971
Metabolism of radio-iodinated human serum albumin in patients with monoclonal gammopathy. Wells JV, et al. Blood 38:66-73, Jul 71
Effect of cholecystojejunostomy, Roux-Y, on intestinal absorption of labelled fat, labelled protein and Xylose. Shin CS, et al.
Bull Soc Int Chir 29:21-7, Jan-Feb 70
Impaired uptake of labeled proteins by the ovarian follicles of hens treated with ethylene dibromide. Alumot E, et al.
Comp Biochem Physiol 39:61-8, 15 May 71
Elimination of I-131-labelled heterologous antigen from the blood of chickens after total body x-irradiation. Krejčí J, et al. Folia Microbiol (Praha) 15:485-91, 1970
Organ localization of intravenously administered HSA I-131 in chickens. Krejčí J, et al.
Folia Microbiol (Praha) 15:330-6, 1970
Disappearance of iodoalbumin from pericardial sac in a patient with myxedema. Tauxe WN, et al.
J Nucl Med 11:554-8, Sep 70
Effect of ferritin and ferric chloride on the in vivo uptake of 125I-HSA by mouse peritoneal cells. Rhodes JM. J Reticuloendothel Soc 8:248-67, Sep 70
Uptake of protein by the giant axon of the squid. Giuditta A, et al. Nature [New Biol] 229:29-30, 6 Jan 71
Proteolytic activity in isolated perfused liver of normal and x-irradiated rats. Kocmierska-Grodzka D, et al.
Radiat Res 44:338-44, Nov 70
[Influence of the digestive tract on the catabolism of serum albumin in normal and irradiated mice] Telia M, et al. Biol Gastroenterol (Paris) 2:191-8, 1969 (Fre)
[Biological tests of pharmaceutical radiocolloids] Chivot JJ, et al.
Int J Appl Radiat Isot 21:459-69, Aug 70 (Fre)
[Hepatic scintigraphy with macroaggregates of albumin labelled with radioactive iodine (131-I)] Sicot C, et al. Presse Med 79:1523-7, 10 Jul 71 (Fre)

SERUM GLOBULINS (D10)

Testosterone binding by human serum proteins. Lea OA, et al. Acta Endocrinol [Suppl] (Kbh) 155:105, 1971
The immunology of liver disease. Sherlock S.
Am J Med 49:693-706, Nov 70 (84 ref.)
Inhibitory action of "HO" factor from normal horse serum on poliovirus multiplication in tissue cultures. Crainic R, et al.
Arch Roum Pathol Exp Microbiol 28:167-76, Mar 69
Thyroid hormone binding proteins and acute psychiatric illness. Strassman HD, et al.
Behav Neuropsychiatry 3:22-4, Apr-May 71
Binding of aflatoxins B1 and G1 to human serum proteins. Wei RD, et al.
Experientia 27:458-60, 15 Apr 71
Further observations on the immunological relationships among serum globulins of man and other primates, revealed by a serological inhibition test. Wiener AS, et al.
Int Arch Allergy Appl Immunol 39:368-80, 1970
Presence of serologically distinct protein in serum of cancer patients and pregnant women. An attempt to develop a diagnostic cancer test. Tal C, et al.
Isr J Med Sci 6:706-16, Nov-Dec 70
The euglobulin lysis time test: an ineffectual monitor of the therapeutic inhibition of fibrinolysis. Katz J, et al. J Clin Pathol 23:529-32, Sep 70
Serum immunoglobulins in patients with recurrent intraoral herpes simplex infections. Greenberg MS, et al. J Dent Res 50:781, May-Jun 71
Hemopexin. Muller-Eberhard U.
N Engl J Med 283:1090-4, 12 Nov 70 (69 ref.)
Effect of extracts from rabbit leukocytes on levels of acute phase globulins in rat serum. Eddington CL, et al. Proc Soc Exp Biol Med 136:159-64, Jan 71
Steroid-protein interactions. 23. Nonidentity of cortisol-binding globulin and progesterone-binding globulin in guinea pig serum. Burton RM, et al.
Steroids 17:1-16, Jan 71
[Xanthomatosis and dysglobulinemia] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 77:607-20, 1970 (Fre)
[Purpura, signal symptom of dysglobulinemia] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 77:620-30, 1970 (Fre)
[Biological examinations which should be carried out in a dermatosis when a dysglobulinemic origin is suspected] De Boissezon JF, et al.
Bull Soc Fr Dermatol Syphiligr 77:573-8, 1970 (Fre)
[Globulin anomalies in skin mucinosis] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 77:579-91, 1970 (Fre)
[Generalities on globulins] Douste-Blazy L.
Bull Soc Fr Dermatol Syphiligr 77:560-6, 1970 (Fre)
[Dermatosis associated with dysglobulinemia. General panorama and classification] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 77:566-73, 1970 (Fre)
[Amyloidosis and monoclonal dysglobulinemia] Touraine R, et al.
Bull Soc Fr Dermatol Syphiligr 77:591-607, 1970 (Fre)
[Research on the immunosuppressive properties of antiglobulin serum] Grosjean O, et al.
C R Soc Biol (Paris) 164:1414-7, 1970 (Fre)
[Determination of correction factors for dye-protein binding in strip electrophoresis. 3. Methodology of serum electrophoresis] Busse V, et al.
Z Klin Chem Klin Biochem 7:486-92, 8 Sep 70 (Ger)
[Family with thyroxine-binding ciobulin deficiency] Tamura T, et al. Naika 28:345-8, 1971 (Jap)
[Stabilization phenomenon in agar gel of products from the interaction of human and animal sera with extracts of their tissues] Chechik BE.
Biull Eksp Biol Med 68:70-2, Nov 69 (Rus)

ADMINISTRATION & DOSAGE

ALG treatment of Rhesus monkeys. Attempts to reduce complications by the induction of tolerance. Balner H, et al. Transplantation 10:416-24, Nov 70

ANALYSIS

Observations on the Xe human globulin group system. Jaegermann K, et al. Acta Med Pol 11:375-82, 1970
Human secretory immunoglobulins. 4. Quantitation of free secretory piece. Brandtzaeg P.
Acta Pathol Microbiol Scand [B] 79:189-203, 1971
Human secretory immunoglobulins. 3. Immunochemical and physicochemical studies of secretory IgA and free secretory piece. Brandtzaeg P.
Acta Pathol Microbiol Scand [B] 79:165-88, 1971
Globulin fractions separated from antipertussis rabbit serum. Kendrick PL, et al.
Arch Environ Health 21:388-96, Sep 70
Direct photometric determination of globulin in serum. Goldenberg H, et al. Clin Chem 17:358-62, May 71
Tryptophan measurements: do they reflect total serum globulins? Levy AL. Clin Chem 17:966-70, Sep 71
Automated procedure for simultaneously measuring total globulin and total protein in serum. Savory J, et al. Clin Chem 17:301-6, Apr 71
Hemopexin in cord blood. Weippl G, et al.
Clin Chim Acta 29:338, Aug 70
Serum proteins of the silver pheasant, Gennaeus nycthemerus. Schram AC.
Comp Biochem Physiol 36:481-92, 1 Oct 70
A clinico-immunological study of ulcerative colitis and ulcerative proctitis. Smith AH, et al.
Gut 12:20-6, Jan 71
Hp 2-2 like phenotypes in mammals. Ritter H, et al.
Humangenetik 12:351-3, 1971
Abnormal components in sera and blister fluids of pemphigus patients. Kandhari KC, et al.
Indian J Med Res 58:1443-6, Oct 70
Some Some physico-chemical changes in the abnormal euglobulin causing increased E.S.R. in cold. Gupta KD, et al. J Assoc Physicians India 19:315-8, Apr 71
Plasma testosterone binding globulin and indexes of the concentration of unbound plasma androgens in normal and hirsute subjects. Rosenfield RL.
J Clin Endocrinol Metab 32:717-28, Jun 71
Response of "acute phase" globulins in different models of inflammation in rats. Mielens ZE.
Life Sci [I] 10:529-39, 1 May 71
Arginine content in serum protein and in serum protein fractions in cases of neoplastic disease. Farbiszewski R, et al. Neoplasma 18:179-83, 1971
Heme binding and transport--a spectrophotometric study of plasma glycoglobulin hemochromogens. Drabkin DL. Proc Natl Acad Sci USA 68:809-13, Mar 71
Correlation between total serum protein and albumin-globulin ratio in mainourished brown trout. Carbery JT. Vet Rec 87:175, 8 Aug 70
[Compositin oserum proteins. I. Average values and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

normal range in healthy subjects] Sandor G, et al.
Ann Biol Clin (Paris) 28:309-18, 1970 (Fre)
[Some observations on modifications of immunoglobulins in malignant hemopathies and solid tumors] Ionescu-Mihaica D, et al.
Arch Geschwulstforsch 33:244-54, 1969 (Fre)
[Anti-diphtheria serum and lactoserum immunoglobulins in the cow] Silberzahn P, et al.
Rev Immunol (Paris) 34:185-92, Jul-Sep 70 (Fre)
[Histoserologic findings in acute multiple sclerosis] Kochem HG, et al.
Verh Dtsch Ges Pathol 54:301-5, 1970 (Ger)
[Age-related behavior of serum proteins in acute and chronic inflammations] Schneider D, et al.
Z Gesamte Inn Med 25:1055-61, 1 Dec 70 (Ger)
[Immunochemical study of 3 cases of pyroglobulinemia] Cattaneo R, et al.
Progr Immunobiol Stand 4:199-204, 1970 (Ita)
[Total protein, albumin and globulin--how to read its figures] Shibata S, et al.
Jap J Clin Med 29:Suppl:193-202, Jan 71 (Jap)
[On the difference between serum and euglobulin in determination of fibrinolytic activities by streptokinase-activated method with special reference to the relationship with antiplasmin agents] Miyatani K, et al.
Jap J Clin Pathol 19:223-6, Mar 71 (Jap)
[New quantitative analysis of fibrinolytic activity by 1 dimensional diffusion. 1. Fibrinolytic activity of plasmin and "euglobulin plus streptokinase"] Yasukochi T. Saishin Igaku 26:406-15, 10 Feb 71 (Jap)
[Correlation between the concentration of beta-lipoproteins in the serum and the activity of the fibrinolytic system in plasma in healthy subjects at various ages] Skrzydlewski Z, et al.
Wiad Lek 23:1735-9, 1 Oct 70 (Pol)
[Amino acid composition of heavy and light chains of 7S diphtheria and tetanus antitoxins and 7S non-immune T-globulin isolated from serum of the same horse] Rafkher II, et al. Biokhimiia 35:932-6, Sep-Oct 70 (Rus)
[Protein and lipoprotein fractions of the blood serum in therapy of syphilitic patients] Mirakhmedov UM. Vestn Dermatol Venerol 43:52-5, Aug 69 (Rus)
[Immunoelectrophoretic analysis of serum during development of schizophrenia] Stambuliev PN. Zh Nevropatol Psikhiatr 70:1339-43, 1970 (Rus)
[Protein fractions in the blood of diphtheria bacillus carriers] Filosofova TG, et al.
Mikrobiol Zh 31:491-5, Sep-Oct 69 (Ukr)
[Spectropolarimetric characteristics of albumin and globulin in thyroid toxicosis] Selivanova KF, et al.
Ukr Biokhim Zh 42:39-43, 1970 (Ukr)

BIOSYNTHESIS

A kinetic and quantitative analysis of antibody and protein synthesis during the primary response to keyhole limpet haemocyanin. Roszman TL, et al.
Immunology 20:1041-53, Jun 71
Plasma cell tumors in experimental chemotherapy: consequence of dose variation on host survival and paraprotein synthesis. Teller MN, et al.
J Natl Cancer Inst 45:1197-203, Dec 70
[Meaning and importance of dysproteinemic states; critical examination and nosological synthesis] Bufano M. Rev Clin Esp 115:497-506, 31 Dec 69 (Spa)

CLASSIFICATION

[Which proteins should be designated as paraproteins?] Svartz N.
Prensa Med Argent 58:314-8, 9 Apr 71 (Spa)

METABOLISM

Impaired uptake of labeled proteins by the ovarian follicles of hens treated with ethylene dibromide. Alumot E, et al.
Comp Biochem Physiol 39:61-8, 15 May 71
The effect of steroids on the serum protein fractions of the tortoise Testudo elegans Schoepff. Rao CA.
Comp Biochem Physiol 26:1119-22, Sep 68
Basic polyelectrolytes and protein transport across the new-born pig intestine. Burton KA, et al.
J Physiol (Lond) 211:Suppl:27P+, Dec 70
The euglobulin lysis time: a method for evaluating the plasma fibrinolytic activity of normal and arthritic rats and the therapeutic value of antiinflammatory (steroidal and non-steroidal) agents. Rüegg M, et al.
Pharmacology 4:242-54, 1970
Further studies of the specificity of the sex hormone-binding globulin of human plasma. Murphy BE. Steroids 16:791-8, Dec 70
[Combination of thorium with blood components as a function of the chemical nature of the administered compound] Pavlovskaia NA, et al.
Gig Sanit 35:49-52, Feb 70 (Rus)

PHARMACODYNAMICS

Review of alpha-2-globulins. Gordon M.
Arzneim Forsch 20:1152-6, Aug 70
Action of globulin and lymphocytes from peripheral blood of patients with Graves' disease on isolated bovine thyroid cells. Edmonds MW, et al.
J Clin Endocrinol Metab 31:480-90, Nov 70
"In vitro" immunisation by antilymphocyte serum. II. Kayibanda B, et al.
Rev Eur Etud Clin Biol 15:683-6, Jun-Jul 70
The response of the rabbit's lung to intratracheally injected plasma or serum lipoglobulins. Waters LL.
Yale J Biol Med 43:271-8, Feb-Apr 71
[Characteristics of the depressive action of antilymphocyte serum and antilymphocyte globulin on antibody formation in mice] Kraskina NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:83-9, Feb 71 (Rus)

THERAPEUTIC USE

Clinical use of antilymphocyte serum and globulin. Barth RF. Postgrad Med 48:257-8, Oct 70
[Immunosuppressive treatment for heterologous cardiac transplantation. Its possible efficacy in a rejection crisis] Dormont J, et al.
Arch Mal Coeur 62:759-66, Jun 69 (Fre)
[Immunomorphology of sensitization. VII. Effect of heterologous sensitization on the kinetics of experimental tuberculous inflammation] Eskenasy A, et al.
Arch Roum Pathol Exp Microbiol 29:265-73, Mar-Jun 70 (Fre)
[Treatment of early pneumonia in influenzae] Zlydnikov DM, et al.
Klin Med (Mosk) 49:108-13, Apr 71 (Rus)

SERUM PROTEINS see BLOOD PROTEINS (D10)

SERUM SICKNESS (C14)

[Serum sickness] Kato K. Naika 27:512-4, Mar 71 (Jap)

BLOOD

The effects of reserpine depletion of circulating vasoactive amines on rabbit serum sickness. Levy L.
Br J Exp Pathol 51:428-33, Aug 70

COMPLICATIONS

Endogenous immune uveitis. The role of serum sickness. Wong VG, et al.
Arch Ophthalmol 85:93-102, Jan 71
Reactivities to horse anti-lymphocyte globulin. II. Serum sickness nephritis with complement alterations in man. Gewurz H, et al.
Int Arch Allergy Appl Immunol 39:210-20, 1970
Further studies on the reversibility of serum sickness cholesterol-induced atherosclerosis. Van Winkle M, et al. J Exp Med 132:858-67, Nov 70
[Anterior bilateral uveitis complicating serum sickness] Coles RS, et al.
Bull Mem Soc Fr Ophtalmol 83:67-70, 1970 (Fre)

IMMUNOLOGY

Mechanisms involved in the deposition of immune complexes in tissues. Cochrane CG.
J Exp Med 134:Suppl:75s-89s, 1 Sep 71
Quantitation of acute and chronic serum sickness in the rabbit. Wilson CB, et al.
J Exp Med 134:Suppl:7s-8s, 1 Sep 71
Studies on passive serum sickness. I. The glomerular fine structure of serum sickness nephritis induced by preformed antigen-antibody complexes in the mouse. Okumura K, et al. Lab Invest 24:383-91, May 71

PATHOLOGY

The glomerulonephritis of acute serum sickness: a study using light and electron microscopy. Arakawa M, et al. Am J Clin Pathol 54:60-70, Jul 70

PREVENTION & CONTROL

[Studies on the induction of immunotolerance against horse gammglobulion in the adult dog] Land W, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:94-107, 1970 (Ger)

SERUMS see under IMMUNE SERUMS (D12)

SESAME OIL (D11)

PHARMACODYNAMICS

The effect of estradiol-17 beta and vegetable oil on the hydroxylation of protocollagen. Liu TZ, et al.
Proc Soc Exp Biol Med 137:207-10, May 71

SESAMOID BONES (A2)

Biphalangia of the lateral toes. A study on the incidence in a Swedish population together with some observations on digital sesamoid bones in the foot. Sandström B, et al.
Am J Phys Anthropol 34:37-41, Jan 71
[Injuries and diseases of the sesamoid bones of the big toe] Komprda J.
Acta Chir Orthop Traumatol Cech 38:42-8, Feb 71 (Cse)
[Anatomical principles and surgical procedure in resection of the sesamoid bone in the hoofs of cattle] Wissdorf H, et al.
Dtsch Tieraerztl Wochenschr 77:504-11, 1 Oct 70 (Ger)
[Case of calcareous periarthritis of the elbow simulating patella cubiti] Fanelli A.
Nunt Radiol Suppl 1:99+, 1968 (Ita)

INJURIES

[Fractures of the sesamoid bones of the foot] Arenberg AA. Vestn Khir 103:142-3, Aug 69 (Rus)

RADIOGRAPHY

[Fabella--a skeletal variety] Ziller R.
Beitr Orthop Traumatol 17:373-81, 1970 (Ger)

SET (PSYCHOLOGY) (F1)

Relationship of reward and stated expectancy in mentally retarded patients. Chandler A, et al.
Am J Ment Defic 75:761-2, May 71
Effects of rehearsal instructions on recall and organization in free learning of retardates. Leicht KL, et al. Am J Ment Defic 75:163-7, Sep 70
Effects of readiness on incidental learning in EMR, norm, and gifted children. Williams H.
Am J Ment Defic 75:117-9, Sep 70
Response biases in field studies of mental illness. Phillips DL, et al. Am Sociol Rev 35:503-15, Jun 70
Contribution to the theory of organismic sets. 3. Rashevsky N. Bull Math Biophys 33:55-66, Mar 71
Contributions to the theory of organismic sets. II. Aggressiveness and submissiveness. Rashevsky N.
Bull Math Biophys 33:49-54, Mar 71
A test of the set disruption interpretation of perceptual defense. Thompson AH, et al.
Can J Psychol 25:223-7, Jun 71
The influence of language set on ear preference in phoneme recognition. Spellacy F, et al.
Cortex 6:430-9, Dec 70
Preparatory instructions in the differential conditioning of the galvanic skin response of schizophrenics and normals. Fuhrer MJ, et al.
J Abnorm Psychol 76:482-4, Dec 70
Effect of pretherapy information on learning in psychotherapy. Parrino JJ.
J Abnorm Psychol 77:17-24, Feb 71
Stimulus attributes and training procedures in learning-set formation of Rhesus and Cebus monkeys. Devine JV. J Comp Physiol Psychol 73:62-7, Oct 70
Set and uncertainty as factors influencing anticipatory cardiovascular responding in humans. Higgins JD.
J Comp Physiol Psychol 74:272-83, Feb 71
Priming: effects of advance information on matching. Beller HK. J Exp Psychol 87:176-82, Feb 71
Effects of instructional set on pupillary responses during a short-term memory task. Clark WR, et al.
J Exp Psychol 85:315-7, Aug 70
Effects of instructions on the skin resistance response. Colgan DM. J Exp Psychol 86:108-12, Oct 70
Knowledge of alternatives and perception of tachistoscopic stimuli. Gummerman K.
J Exp Psychol 83:385-90, Mar 70
Verbal expectancy and probability in two-choice reaction time. Hinrichs JV, et al.
J Exp Psychol 83:367-71, Jun 71
Interaction between instruction-induced expectancy and strength of unconditioned stimulus in GSR conditioning. Ohman A.
J Exp Psychol 83:384-90, Jun 71
Impression value, instructional set, and methods of stimulus presentation as factors influencing control subjects in verbal conditioning. Smith RC, et al.
J Gen Psychol 82:263-4, Apr 70
The relationship of alpha activity to attentional sets in schizophrenia. Nideffer RM, et al.
J Nerv Ment Dis 152:346-52, May 71
Recovery from surgery, with and without preparatory instruction, for three coping styles. Andrew JM.
J Pers Soc Psychol 15:223-6, Jul 70
Cheating as a function of the labeling of natural arousa. Dienstbier RA, et al.
J Pers Soc Psychol 17:208-13, Feb 71
Effects of achievement motivation and future orientation on level of performance. Raynor JO, et al.
J Pers Soc Psychol 17:36-41, Jan 71
Word association and ink blot responses as a function of instructional sets and psychopathology. Routh DK, et al. J Proj Tech Pers Assess 34:113-20, Apr 70
Nonverbal rigidity and severity of criminal offense in a group of juvenile delinquents. Breskin S, et al.
J Psychol 78:265-7, Jul 71
Repeated presentation of stimuli and production of original responses. Khatena J.
Percept Mot Skills 30:91-4, Feb 70
Response set on the Zung Self-Rating Depression Scale. Mikesell RH, et al. Percept Mot Skills 30:22, Feb 70
Individual differences in figural aftereffects. Over R.
Psychol Bull 74:405-10, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Personality pattern of depression and its relation to acquiescence. Hoffmann H.
Psychol Rep 26:459-64, Apr 70
Optimism-pessimism as a consequence of success or failure in children. Ryback D.
Psychol Rep 26:385, Apr 70
Dose-response and biased set study of an amphetamine and a barbiturate. Agnew NM, et al.
Psychopharmacologia 19:282-96, 1971
The effects of instructional set and autonomic perception on cardiac control. Bergman JS, et al.
Psychophysiology 8:180-90, Mar 71
Experimenter effects on the physiological experiment. Hicks RG.
Psychophysiology 7:10-7, Jul 70
Visual search without eye movement. Grindley GC, et al.
Q J Exp Psychol 22:62-7, Feb 70
Heart rate responses during anticipation of an electric shock of variable probability. Niemelä P.
Scand J Psychol 10:232-42, 1969
[Preconceived ideas in diagnosis] Rooymans HG.
Ned Tijdschr Geneeskd 114:1863-7, 7 Nov 70 (Dut)

SETARIASIS see under FILARIASIS (C1)

SEWAGE (G3)

Vitamin B12 producing fermentations of sewage sludge origin with a mixed bacterium population. I. Role of individual bacterium species in vitamin B 12 production. Johan B.
Acta Microbiol Acad Sci Hung 17:319-28, 1970
Bioxidation of waste in activated sludge. I. Measuring oxygen respiration of activated sludge by means of polarographic and oxygen probe methods. Buraczewski G, et al.
Acta Microbiol Pol [B] 3:121-4, 1971
Distribution of coliphages in Hong Kong sewage. Dhillon TS, et al. Appl Microbiol 20:187-91, Aug 70
Kinetic constants for aerobic growth of microbial populations selected with various single compounds and with municipal wastes as substrates. Pell KM, et al. Appl Microbiol 21:253-6, Feb 71
Incidence of infectious drug resistance among fecal coliforms isolated from raw sewage. Sturtevant AB, et al. Appl Microbiol 21:487-91, Mar 71
Neurovirulence of polioviruses isolated form sewage and stool of healthy children. II. Neurovirulence of strains and types 1 and 3. Verlinde JD, et al.
Arch Gesamte Virusforsch 32:311-7, 1970
A longitudinal study on the significance of examination of sewage for the presence of poliovirus in the population. Wilterdink JB, et al.
Arch Gesamte Virusforsch 32:82-90, 1970
Variability in cell yield for heterogeneous microbial populations of sewage origin grown on glucose. Gaudy AF Jr, et al. Biotechnol Bioeng 13:113-23, Jan 71
A further examination of the survival of pathogenic bacteria in cattle slurry. Burrows MR, et al.
Br Vet J 126:xxxii+, Aug 70
Isolation and properties of a bacteriophage lytic for a wide range of pseudomonads. Kelln RA, et al.
Can J Microbiol 17:677-82, May 71
Handling and disposal of cattle feedlot waste. Albin RC.
J Anim Sci 32:803-10, Apr 71 (62 ref.)
Economies of recovery and distribution of animal waste. Clawson WJ. J Anim Sci 32:816-28, Apr 71
Animal waste handling and disposal in confinement production of swine. Conrad JH, et al.
J Anim Sci 32:811-5, Apr 71
In vitro sensitivity of mycoplasmas isolated from various animals and sewage to antibiotics and nitrofurans. Ogata M, et al.
J Antibiot (Tokyo) 24:443-51, Jul 71
Sewer and drain swabbing as a means of investigating salmonellosis. Harvey RW, et al.
J Hyg (Camb) 68:611-24, Dec 70
Rice fields used in the sanitation of waste waters. Koltypin YA.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:507-12, 1970
Chemical control of tree roots in sewer lines. Ahrens JF, et al. J Water Pollut Control Fed 42:1643-55, Sep 70
In-place lining of small sewers. Bremner RM.
J Water Pollut Control Fed 43:1444-56, Jul 71
Chlorination for control of bacteria and viruses in treatment plant effluents. Chambers CW.
J Water Pollut Control Fed 43:228-41, Feb 71
Digestion fundamentals applied to digester recovery--two case studies. Dague RR, et al.
J Water Pollut Control Fed 42:1666-75, Sep 70
Occurrence of filamentous microorganisms in activated sludge. Farquhar GJ, et al.
J Water Pollut Control Fed 43:779-98, May 71
Salmonella--its presence in and removal from a wastewater system. Kampelmacher EH, et al.
J Water Pollut Control Fed 42:2069-73, Dec 70
Reduction of Salmonella in compost in a hog-fattening farm oxidation vat. Kampelmacher EH, et al.
J Water Pollut Control Fed 43:1541-5, Jul 71
Wastewater treatment plant personnel: image and training. Lachy GJ.
J Water Pollut Control Fed 43:1439-43, Jul 71
Trace element removals in advanced wastewater treatment processes. Linstedt KD, et al.
J Water Pollut Control Fed 43:1507-13, Jul 71
Design and operation of an extended aeration plant. Pillai NN, et al.
J Water Pollut Control Fed 43:1484-98, Jul 71
Use of 14 C-glucose to study substrate removal by activated sludge. Robarts RD, et al.
J Water Pollut Control Fed 43:1499-506, Jul 71
Deep-well injection of wastewater. Tofflemire TJ, et al.
J Water Pollut Control Fed 43:1468-79, Jul 71
Wastewater collection and treatment facilities--1970 personnel safety survey.
J Water Pollut Control Fed 43:335-7, Feb 71
Spread of salmonellas. Harvey RW, et al.
Lancet 1:1133, 29 May 71
Foul rivers, filthy streets. Lancet 2:919, 31 Oct 70
Fungi in the Lebanon sewage treatment plants and in Turtle Creek, Warren Co., Ohio. Cooke WB.
Mycopathol Mycol Appl 42:89-111, 28 Dec 70
The occurrence of fungi in activated sludge. Cooke WB, et al. Mycopathologia Mycol Appl 40:249-50, 31 Aug 70
The effect of sludge additives on soil fungus populations. Cooke WB.
Mycopathol Mycol Appl 44:205-19, 28 May 71
Source of polychlorinated biphenyl contamination in the marine environment. Holden AV.
Nature (Lond) 228:1220-1, 19 Dec 70
River at risk. Nature (Lond) 228:199, 17 Oct 70
Our liquid waste--and the spoilage of the seas. Gunn AD. Nurs Times 67:110-1, 28 Jan 71
Contemporary considerations on the biological suppression of noxious brachycerous Diptera that breed in accumulated animal wastes. Legner EF.
Proc Pap Annu Conf Calif Mosq Control Assoc 38:88-9, 1970
Ecological effects of sewage discharge in the marine environment. O'Sullivan AJ.
Proc R Soc Lond [Biol] 177:331-51, 13 Apr 71
Some practical aspects of water and waste water management and pollution control. Brüggemann HB.
R Soc Health J 91:144-6, May-Jun 71
Nerve gas: judging the risks. Lukes RM.
Science 170:584, 6 Nov 70
[Systematic follow-up study on the circulation of poliomyelitic and other enteral viruses in waste water] Vaněčková N, et al.
Cesk Epidemiol Mikrobiol Imunol 20:18-26, Jan 71 (Cze)
[Virological surveys of the presence of enteroviruses in waste water. I. Incidence of polioviruses in Prague at the end of 1968 and in 1969] Zdražílek J, et al.
Cesk Epidemiol Mikrobiol Imunol 20:67-72, Mar 71 (Cze)
[Demonstrability of Salmonella cholerae suis in waste water and river water] Keil R.
Arch Exp Veterinaermed 24:1365-76, 1970 (Ger)
[Ascaris eggs in the sewage] Rosenberg U.
Arch Hyg Bakteriol 154:122-7, Oct 70 (Ger)
[Current posibilities for the removal of liquid manure from large scale pig farms] Scherb K, et al.
Dtsch Tieraerztl Wochenschr 78:201-4, 1 Apr 71 (Ger)
[Epidemiologic aspects of veterinary medicine with regard to sewage from hospitals, abattoirs and carcass disposal installations] Aa R von der, et al.
Monatsh Vet Med 24:761-9, 15 Oct 69 (Ger)
[Damage to bees by cyanide containing sewage] Müller B, et al. Monatsh Vet Med 25:557-8, 15 Jul 70 (Ger)
[Dermatophytes and other keratinolytic fungi in surface water and sewage] Simordová M, et al.
Mykosen 13:467-71, 1 Sep 70 (Ger)
[Effects of higher plants on pathogenic germs in waters] Seidel K.
Naturwissenschaften 58:150-1, Mar 71 (Ger)
[Comparative electron microscopic studies of activated sludge from biological treatment plants of industrial waste waters] Bartsch G, et al.
Z Allg Mikrobiol 10:157-64, 1970 (Ger)
[The dissemination of salmonella through utilization of waste water in agriculture] Biesold I, et al.
Z Gesamte Hyg 16:609-13, Aug 70 (Ger)
[Studies on small filtering plants according to TGL 7762] Schmidt GP.
Z Gesamte Hyg 17:112-7, Feb 71 (Ger)
[Examinations on the problem of detergent-contents in waste waters of some filter plants in the Halle district] Thielemann H.
Z Gesamte Hyg 16:780-4, Oct 70 (Ger)
[Demonstration of reoviruses in sewage] Knocke KW, et al. Zentralbl Bakteriol [Orig] 203:417-21, 1967 (Ger)
[Intratypic differentiation of poliovirus strains isolated from sewage: consequences for the practise of oral vaccination] Kuwert E, et al.
Zentralbl Bakteriol [Orig] 215:16-25, 1970 (Ger)
[Enteroviruses and adenoviruses in sewage. Demonstration methods and epidemiological study 1963-1965] Pittler H, et al.
Zentralbl Bakteriol [Orig] 204:33-48, 1967 (Ger)
[Technics for the virological examinations of water and sewage] Moro S.
G Batteriol Virol Immunol 63:467-84, Sep-Oct 70 (Ita)
[Surface waters: bacteriological problems connected with their use for drinking purposes] Fara GM, et al.
Ig Mod 62:569-89, 1969 (Ita)
[Survey of the Adriatic sea water. II. Study of the zone between the Po and Ravenna] Majori L, et al.
Ig Mod 62:590-613, 1969 (Ita)
[Measurement of radioactivity in the sewage from the Ospedale Maggiore of Bologna] Rossi A, et al.
Ig Mod 63:104-12, 1970 (Ita)
[On the pollution of a water-bearing stratum due to percolation of solid urban wastes] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:451-67, Nov-Dec 68 (Ita)
[On the pollution of the beaches on the Roman riviera. I. Chemical and bacteriological pollution] Muzzi A, et al. Nuovi Ann Ig Microbiol 19:425-43, Nov-Dec 68 (Ita)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. 3. Pollution of rivers in Kumamoto city from 1964 to 1968] Sassa H.
J Kumamoto Med Soc 44:1273-87, 25 Dec 70 (Jap)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. I. Experimental studies on the facility for treatment of night-soils attached to individual houses in Japan] Sassa H.
J Kumamoto Med Soc 44:1248-64, 25 Dec 70 (Jap)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. II. Sewage which flows into rivers in Kumamoto city] Sassa H.
J Kumamoto Med Soc 44:1265-72, 25 Dec 70 (Jap)
[Requirements for the desinfection of sewage containing tubercle bacilli] Dożańska W, et al.
Rocz Panstw Zakl Hig 21:253-62, 1970 (Pol)
[Bacteria oxidizing carbon monoxide] Sanzhieva EU, et al. Dokl Akad Nauk SSSR 196:956-8, 1 Feb 71 (Rus)
[Method of calculating the quality of seawater taking into consideration dilution by sewage] ARsam AM, et al. Gig Sanit 35:22-8, Aug 70 (Rus)
[Express method of calculating sewage dilution in rivers] Bestsennaia MA.
Gig Sanit 35:109-10, Aug 70 (Rus)
[Automatic sampler for sewage] Degtiarev IuN, et al.
Gig Sanit 36:74-5, 1971 (Rus)
[New installation of a minor sewer system] Goncharuk EI, et al. Gig Sanit 35:81-5, Jul 70 (Rus)
[Characteristics of distribution of bacteria of the Proteus group in sewage water of various origins] Kalina GP. Gig Sanit 35:100-1, Nov 70 (Rus)
[Effect of sewage of a solid alloy plant on ground water] Nadeenko VG, et al. Gig Sanit 35:106-8, Apr 70 (Rus)
[Possibility of the complex use of industrial and agricultural waste waters in an ore-concentrating plant] Olifson LE, et al. Gig Sanit 35:92-4, Dec 70 (Rus)
[Hygienic assessment of methods of removing phenols from waste waters from sleeper-impregnating factories] Preobrazhenskaia AS, et al.
Gig Sanit 36:99-100, 1971 (Rus)
[Hygienic assessment of biological ponds for sewage treatment] Romanenko NA.
Gig Sanit 36:97-9, 1971 (Rus)
[Medico-bacteriological effect of decontamination of sewage sediment in aerobic stabilization] Sergunina LA, et al. Gig Sanit 35:22-5, Feb 70 (Rus)
[Sanitary conditions of discharge of sewage by plants producing oleandomycin] Sidorova AI, et al.
Gig Sanit 35:100-2, Mar 70 (Rus)
[Electrolytic treatment of sewage as a method of its dehelminthization] Grebenevich EV, et al.
Med Parazitol (Mosk) 39:315-8, May-Jun 70 (Rus)
[Sanitary-helminthological evaluation of the method of centrifugation of urban sewage sediments] Kebina VIa, et al.
Med Parazitol (Mosk) 39:311-5, May-Jun 70 (Rus)
[Microbiological characteristics of activated sludges purifying waste waters containing formaldehyde, acetaldehyde and crotonic aldehyde] Rogovskaia TsI, et al. Mikrobiologiia 40:370-3, Mar-Apr 71 (Rus)
[Comparative viability of several enteroviruses in water with different degrees of pollution] Bagdasar'ian GA.
Zh Mikrobiol Epidemiol Immunobiol 47:96-8, Aug 70 (Rus)
[Performance of stabilization ponds in Cuba] Caparó González E.
Bol Of Sanit Panam 69:520-30, Dec 70 (Spa)
[Contribution to the knowledge of unicellular algae in biostabilization ponds in San Juan, Lima] Vinces A, et al. Bol Of Sanit Panam 70:148-64, Feb 71 (Spa)
[Viability of several bacteria and viruses in sewage water sediments] Grigor'eva LV, et al.
Mikrobiol Zh 31:659-64, Nov-Dec 69 (Ukr)
[Formation of vitamin B 12 by microorganisms isolated from active silts] Lazurkevich ZV, et al.
Mikrobiol Zh 31:443-9, Sep-Oct 69 (Ukr)
[Phycomycetes in the sewage water of the Beziudovsk water purifying plant] Logvinenko LI.
Mikrobiol Zh 32:317-22, May-Jun 70 (Ukr)
[Fungi Pythium from the sewage constructions] Meshcheriakova RI. Mikrobiol Zh 32:210-5, 1970 (Ukr)

ANALYSIS

Studies on bacterial lipase. I. Nutritional requirements

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of Pseudomonas aeruginosa for production of lipase. Nadkarni SR. Enzymologia 40:286-301, 31 May 71
Detection of mercury and alkylmercury compounds by reversed-phase thin-layer chromatography. Takeshita R, et al. J Chromatogr 51:283-8, 16 Sep 70
Water and wastewater systems to combat cholera in East Pakistan. McCabe DB.
J Water Pollut Control Fed 42:1968-81, Nov 70
[O-(alpha-D-ribofuranosyl)-p-cresol-the nucleoside of corrinoid factor Ib from sewage sludge] Dinglinger F, et al.
Hoppe Seylers Z Physiol Chem 351:1157-60, Sep 70 (Ger)
[Virology and its importance for 'water hygiene] Primavesi CA.
Oeff Gesundheitswes 33:330-6, Jun 71 (Ger)
[Problems of cleaning phenol contaminated sewage from the gas works of the city of Halle (S.)] Thielemann H. Z Gesamte Hyg 16:864-8, Sep 70 (Ger)
[Separate determination of some organic chlorine compounds in waste waters by gas-liquid chromatography] Mikhafliuk IuI, et al.
Gig Sanit 35:73-5, Aug 70 (Rus)

SEX (G1)

see also related
LIBIDO (F2)
PSYCHOSEXUAL DEVELOPMENT (F1, F2)

Sex differences in skin colour in man. Kalia AK, et al. Acta Genet Med Gemellol (Roma) 19:472-6, Jul 70
Sex differences in emotional and cognitive behaviour in mammals including man: adaptive and neural bases. Gray JA, et al. Acta Psychol (Amst) 35:89-111, Mar 71
Attitudes of Norwegian children toward the retarded in relation to sex and situational context. Gottlieb J. Am J Ment Defic 75:635-9, Mar 71
Sex discrimination: nursing's most pervasive problem. Cleland V. Am J Nurs 71:1542-7, Aug 71
The influences of the sex of littermates on body weight and behaviour in rat pups. Brain CL, et al. Anim Behav 18:512-6, Aug 70
Sex differences and generalization of anxiety reduction with automated desensitization and minimal therapist interaction. Cotler SB.
Behav Res Ther 8:273-85, Aug 70
Analysis of ifformation--an alternative approach to the detection of a correlation between the sexes of adjacent sibs in human families. Ku HH.
Biometrics 27:175-82, Mar 71
Conservatism and response to sexual humour. Thomas DR, et al. Br J Soc Clin Psychol 10:185-6, Jun 71
Contributions to the theory of organismic sets: why are there only two sexes? Rashevsky N.
Bull Math Biophys 32:293-301, Jun 70
A sex-specific growth response in the yeast Kluyveromyces lactis. Herman AI.
Can J Genet Cytol 12:66-9, Mar 70
A suppressor of the heterokaryon-incompatibility associated with mating type in Neurospora crassa. Newmeyer D. Can J Genet Cytol 12:914-26, Dec 70
Identification and quantification of the major androgens in testicular and peripheral plasma of Atlantic salmon (Salmo salar) during sexual maturation. Idler DR, et al.
Gen Comp Endocrinol 16:257-67, Apr 71
Changes in oxytocic activity of the hypophysis during sexual maturation of Pacific salmon, Oncorhynchus tschawytscha. Wilson N, et al.
Gen Comp Endocrinol 16:395-7, Apr 71
Genetic effects of cumulative maternal irradiation on growth and age at sexual maturity in rats. Davison J, et al. Genetics 66:695-708, Dec 70
A mathematical model for recessive lethal segregation distorters with differential viabilities in the sexes. Hartl DL. Genetics 66:147-63, Sep 70
Heterokaryosis in Neurospora sitophila. Mishra NC.
Genetics 67:55-9, Jan 71
Mutational nature of an allele-specific conversion of the mating type by the homothallic gene HO alpha in Saccharomyces. Takano I, et al.
Genetics 65:421-7, Jul 70
Relation between the pregnancy zone protein and fetal sex. Beckman L, et al. Hum Hered 20:530-4, 1970
Male and female ego modalities in manifest dream content. Brenneis B.
J Abnorm Psychol 76:434-42, Dec 70
The male therapist and the female adolescent patient. Mattsson A.
J Am Acad Child Psychiatry 9:707-21, Oct 70
Sex differences in age at marriage. Cox PR.
J Biosoc Sci [Suppl] 2:73-84, May 70
Comparative employability of men and women in different industries. Davies BT.
J Biosoc Sci [Suppl] 2:101-6, May 70
The social images of man and woman. Firth R.
J Biosoc Sci [Suppl] 2:85-92, May 70
Which is the weaker sex? Potts DM.
J Biosoc Sci [Suppl] 2:147-57, May 70
Weight, sex, and the eating behavior of human newborns. Nisbett RE, et al.
J Comp Physiol Psychol 73:245-53, Nov 70
Repressor-sensitizer personality styles and associated levels of verbal ability, social intelligence, sex knowledge, and quantitative ability. Clark LF, et al.
J Consult Clin Psychol 36:183-8, Apr 71
Perception of parental sex-role behavior and psychopathology in adult males. Kayton R, et al.
J Consult Clin Psychol 36:235-7, Apr 71
An alternative interpretation of Masling and Harris' study on the sexual aspects of TAT administration. Wolf MG. J Consult Clin Psychol 35:328-9, Dec 70
The relationship of sex role identity and social and politicalattitudes. Cottle TJ, et al.
J Pers 38:435-52, Sep 70
A Semantic Differential investigation of sexually symbolic concepts: Freud and Jung. Althouse RH.
J Proj Tech Pers Assess 34:507-12, Dec 70
A further investigation of sexually symbolic concepts using the semantic differential technique. Archer GS, et al. J Proj Tech Pers Assess 34:369-72, Oct 70
Reply to Archer and Burgess on their investigation of symbolic concepts using the semantic differential technique. Craddick RA, et al.
J Proj Tech Pers Assess 34:373-4, Oct 70
Prenatal sex predictions of foetal cells in amniotic fluids. Seng CT.
J Singapore Paediatr Soc 13:37-45, Apr 71
Male pregnancy symptoms and cross-sex identity in three societies. Munroe RL, et al.
J Soc Psychol 84:11-25, Jun 71
What use is sex? Smith JM.
J Theor Biol 30:319-35, Feb 71
Gonadal liberation. Sanford RS, et al.
JAMA 216:511-2, 19 Apr 71
Down's syndrome: sex difference in relation to maternal age. Fedrick J. Lancet 2:45, 3 Jul 71
Two kinds of activity promoted by culture filtrates of male strains of E. coli K-12. Inhibition of "nitrogen mustard after-effect" and stimulation of genetic recombination. Goldfarb DM, et al.
Mol Gen Genet 106:315-22, 1970
Excess of like sexed pairs of dizygotic twins. James WH. Nature (Lond) 232:277-8, 23 Jul 71
A summary of a symposium on counseling the cardiac on work and sex. Levenson RM, et al.
Ohio State Med J 66:1003-7, Oct 70
The student nurse: a study in sex role transition. Edwards CN. Psychol Rep 25:975-90, Dec 69
[Sexology--some remarks] Hertoft P.
Ugeskr Laeger 133:159-63, 29 Jan 71 (Dan)
[Concept of sex] Suzuki M, et al.
Sanfujinka Jissai 20:136-50, Feb 71 (Jap)
[Sexology: its scientific basis, scope and aims] Imielinski K. Pol Tyg Lek 26:880-2, 7 Jun 71 (Pol)

SEX ATTRACTANTS see under PHEROMONES

(D12, F1)

SEX BEHAVIOR (F1)

Dirty words. Am J Orthopsychiatry 41:699-700, Jul 71
A rating-scale approach to human phenomena? Hankoff LD, et al. Am J Psychiatry 127:1419-20, Apr 71
Sex and swinging: what are they doing to society? Shainess N. Am J Psychiatry 127:1418-9, Apr 71
Basic drives. Finger FW, et al.
Annu Rev Psychol 22:1-38, 1971 (220 ref.)
Sexual adjustment in a chronically ill and physically disabled population: a pilot study. Sadoughi W, et al.
Arch Phys Med Rehabil 52:311-7, Jul 71
The application of psychophysiological measures to the assessment and modification of sexual behaviour. Bancroft J. Behav Res Ther 9:119-30, May 71
Sex training and traditions in Arnhem Land. Money J, et al. Br J Med Psychol 43:383-99, Dec 70
Personality and sexual adjustment. Eysenck HJ.
Br J Psychiatry 118:593-608, Jun 71
The no--or the yes and the how--of sex for patients with neck, back and radicular pain syndromes. Rubin D.
Calif Med 113:12-5, Dec 70
The concept of social competence as applied to marriage and child care in those classified as mentally retarded. Fotheringham JB.
Can Med Assoc J 104:813-6, 8 May 71
The influence of masculine, feminine, and neutral tasks on children's achievement behavior, expectancies of success, and attainment values. Stein AH, et al.
Child Dev 42:195-207, Mar 71
Psychosexual disorders of young adulthood. Braiman A. Clin Obstet Gynecol 13:734-45, Sep 70
Problems of teen-agers presented to obstetricians and gynecologists. Lamers WM Jr.
Clin Obstet Gynecol 13:727-33, Sep 70
Approaches to a biological basis of human behavior. Daniels GE. Dis Nerv Syst 32:227-40, Apr 71 (52 ref.)
Paroxysmal sexual manifestations and temporal epilepsy. Bancaud J, et al.
Electroencephalogr Clin Neurophysiol 30:371, Apr 71
Emotional response to ileostomy and colostomy in patients over the age of 50. Dlin BM, et al.
Geriatrics 26:112-8, Jun 71
Factors in autofellatio formation. Orland F.
Int J Psychoanal 52:289-96, 1971
Early sexual behavior in adult homosexual and heterosexual males. Manosevitz M.
J Abnorm Psychol 76:396-402, Dec 70
Sex life and psychiatric problems after myocardial infarction. Singh J, et al.
J Assoc Physicians India 18:503-7, May 70
An analysis of coital patterns. Barrett JC.
J Biosoc Sci 2:351-7, Oct 70
Sexual factors in the epidemiology of cancer of the prostate. Steele R, et al. J Chronic Dis 24:29-37, Jun 71
Education and MMPI Mf scores in homosexual and heterosexual males. Manosevitz M.
J Consult Clin Psychol 36:395-9, Jun 71
Sex guilt and premarital sexual experiences of college students. Mosher DL, et al.
J Consult Clin Psychol 36:27-32, Feb 71
Sexual responsivity of defensive and nondefensive sensitizers and repressors. Schill T, et al.
J Consult Clin Psychol 35:44-7, Aug 70
Plasma testosterone levels and sexual activity in a male subject. Fox CA, et al. J Endocrinol 48:xli, Dec 70
Psychotraumatic sexual response. Braverman M, et al.
J Forensic Med 18:24-9, Jan-Mar 71
A contribution to the psychopathology of shoplifting. Meyers TJ. J Forensic Sci 15:295-310, Jul 70
Large scale normal adult base-rates for MMPI "privacy" items. I. Sexual attitudes and experiences. Gravitz MA. J Gen Psychol 82:153-6, Apr 70
Body build, sex-role preference, and sex-role adoption in junior high school boys. Biller HB, et al.
J Genet Psychol 118:81-6, Mar 71
Sex-role identity and sibling composition. Rosenberg BG, et al. J Genet Psychol 118:29-32, Mar 71
The sexually-involved adolescent and medical practice policy. Kennedy RB.
J Miss State Med Assoc 12:369-71, Jul 71
Reciprocal need gratification in intersexual attraction: a test of the hypotheses of Schutz and Winch. Centers R, et al. J Pers 39:26-43, Mar 71
Sexual and aggressive fantasies in violent and non-violent prison inmates. Beit-Hallahmi B.
J Pers Assess 35:326-30, Aug 71
An addition to Hartman's "Basic TAT Set". Mundy J.
J Pers Assess 35:307-8, Aug 71
Information as a defensive control of sexual arousal. Barclay AM. J Pers Soc Psychol 17:244-9, Mar 71
Effects of physical attractiveness, attitude similarity, and sex on various aspects of interpersonal attraction. Stroebe W, et al. J Pers Soc Psychol 18:79-91, Apr 71
Changes in sexual identification and role over a decade and their implications. Brown F.
J Psychol 77:229-51, Mar 71
Note on the relationship of ordinal position, dogmatism, and personal sexual attitudes. Swanson B.
J Psychol 77:213-5, Mar 71
Correlates of the desire to be held in women. Hollender MH, et al. J Psychosom Res 14:387-90, Dec 70
Social class trends in the practices and attitudes of college students regarding sex, smoking, drinking, and the use of drugs. Althoff SA, et al.
J Sch Health 41:390-4, Sep 71
Adolescent sexuality and the struggle over authority. Gadpaille WJ. J Sch Health 40:479-83, Nov 70
Sweden's experiment in human sexuality and sex education. Hoyman HS. J Sch Health 41:172-84, Apr 71
Attitudes of parents of deficient children toward their child's sexual behavior. Turner ET.
J Sch Health 40:548-50, Dec 70
Premarital sexual behavior, attitudes, and emotional adjustment. Diamant L. J Soc Psychol 82:75-80, Oct 70
Adolescent suicide and premarital sexual behavior. Lester D. J Soc Psychol 82:131-2, Oct 70
"Normal" and "deviant" sexual behavior. Marmor J.
JAMA 217:165-70, 12 Jul 71
Hebraic attitudes toward sex. JAMA 217:1865, 27 Sep 71
Human sexual inadequacy. Med J Aust 1:2-4, 2 Jan 71
Some implications of sexual activity for mental illness. Rozan GH, et al. Ment Hyg 55:318-23, Jul 71
Doing it in the road: folkways vs. mores. Schoenfeld E.
Ment Hyg 54:450-2, Jul 70
An unusual cause of pneumoperitoneum. Case report. Glass RL. Mo Med 68:397, Jun 71
Likelihood of human pheromones. Comfort A.
Nature (Lond) 230:432-3 passim, 16 Apr 71 (44 ref.)
Salivary vulvitis. Davis BA.
Obstet Gynecol 37:238-40, Feb 71
Some aspects of sexual adjustment in early and later adolescence. Gagnon JH, et al.
Proc Am Psychopathol Assoc 59:275-98, 1970
Freud on feminine identity and female sexuality. Ash M. Psychiatry 34:322-7, Aug 71
Sex norms, emotionality and artistic creativity: psychohistorical explorations. Kavolis V.
Psychoanal Rev 58:22-36, Spring 71
Physiological measures of sexual arousal in the human. Zuckerman M.
Psychol Bull 75:297-329, May 71 (79 ref.)
Level of conceptual system functioning in experience with sex and drugs. Greaves G.
Psychol Rep 28:130, Feb 71
Content analysis: TAT card 12BG--the rowboat as a symbol oor female body image and sexual activity. Mundy J. Psychol Rep 28:219-22, Feb 71
Personal sexual attitudes and behavior in blacks and whites. Sutker PB, et al. Psychol Rep 27:753-4, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Birth order and virginity. Touhey JC.
Psychol Rep 28:894, Jun 71
Followup of male and female contacts of patients with gonorrhea. Pedersen AH, et al.
Public Health Rep 85:997-1000, Nov 70
The unnamed generation: its problems and perspectives. Constant GA.
South Med J 64:663-6, Jun 71
[Sexologic history of females with cervix uteri cancer] Svoboda B, et al.
Cas Lek Cesk 110:568-72, 11 Jun 71 (Cze)
[Effect of contraception in women on sexual activities of marital partners] Skřivánek F, et al.
Cesk Gynekol 36:171-4, Apr 71 (Cze)
[Analysis of woman's sexual function before and after the climacteric] Zdímalová M, et al.
Cesk Gynekol 36:181-2, Apr 71 (Cze)
[Sexual problems of Arabic women] Chalupa M.
Cesk Psychiatr 66:306-9, Oct 70 (Cze)
[Group sexual and activity of adolescents] Mečíř J.
Cesk Psychiatr 66:301-5, Oct 70 (Cze)
[The hormonal background and regulation of sexual behaviour] Hyyppä M, et al.
Duodecim 87:196-203, 1971 (Fin)
[Sexuality and institutions] Andrau R.
Evol Psychiatr (Paris) 34:503-24, Jul-Sep 69 (Fre)
[The life of a couple. Reflections on sexual identification] Pierron G.
Evol Psychiatr (Paris) 34:383-98, Apr-Jun 69 (Fre)
[The effects of age on male sex activity. Incidence of some factors including tobacco] Cendron H, et al.
Presse Med 78:1795-7, 3 Oct 70 (Fre)
[Paroxysmal sexual manifestations and temporal lobe epilepsy. Clinical, EEG and SEEG study of a case of epilepsy of tumoral origin] Bancaud J, et al.
Rev Neurol (Paris) 123:217-30, Oct 70 (Fre)
[Psychosocial aspects of the sexuality of the lower social class] Sigusch V, et al.
Nervenarzt 41:494-502, Oct 70 (Ger)
[Effect of the first examination night on erections during sleep] Jovanović UJ.
Psychother Psychosom 17:295-308, 1969 (Ger)
[The big family--a phantom?] Becker W.
Ther Ggw 109:1517 passim, Oct 70 (Ger)
[Sexual partnerships of today's juveniles within the span between yesterday and tomorrow] Lachner O, et al. Z Allgemeinmed 46:1114-22, 10 Aug 70 (Ger)
[Psychodynamics of conscience and its relation to sexuality] Bussi L.
Minerva Med 62:315-7, 24 Jan 71 (Ita)
[Sexology: its scientific basis, scope and aims] Imieliński K. Pol Tyg Lek 26:830-2, 7 Jun 71 (Pol)
[Changes in sexual mores of adolescents] Starowicz ZL.
Wiad Lek 24:995-9, 15 May 71 (Pol)
[Sexual function in patients operated on for hypospadias] Ericsson NC, et al.
Lakartidningen 68:2480-4, 19 May 71 (Swe)
[Organization of sex education for children and adolescents] Neshkov NS.
Pediatr Akush Ginekol 5:25-6, Sep-Oct 70 (Ukr)

DRUG EFFECTS

Effect of L-DOPA on the regulation mechanisms of reproductive functions in the rat. Hyyppä M, et al.
Acta Endocrinol [Suppl] (Kbh) 155:232, 1971
Sexual behavior during L-dopa treatment for Parkinsonism. Bowers MB Jr, et al.
Am J Psychiatry 127:1691-3, Jun 71
Sexual frequency and contraceptive pills. Morris NM, et al. Soc Biol 18:40-5, Mar 71

HISTORY

[Medicine and sexuality, 7 theses of critical reflexion on their relationship] Sigusch V.
Med Welt 50:2159-70, 12 Dec 70 (Ger)

SEX BEHAVIOR, ANIMAL (F1)

Coital behavior in dogs. 1. Preferential mating in the bitch. Beach FA, et al. Anim Behav 15:546-58, Oct 67
The role of stimulus female novelty in the rearousal of copulation in male laboratory rats (Rattus norvegicus). Cherney EF, et al.
Anim Behav 18:567-74, Aug 70
Mouthbreeding in fishes. Oppenheimer JR.
Anim Behav 18:493-503, Aug 70
Evidence for seasonal variation in aggressive behaviour by Macaca mulatta. Wilson AP, et al.
Anim Behav 18:719-24, Nov 70
Agonistic behaviour between pairs of hamsters of the same and opposite sex in a neutral observation area. Payne AP, et al. Behaviour 36:260-9, 1970
Female sexual behavior as the mechanism rendering Aedes aegypti refractory to insemination. Gwadz RW, et al. Biol Bull 140:201-14, Apr 71
Role of the corpora cardiaca in the behavior of saturniid moths. II. Oviposition. Truman JW, et al.
Biol Bull 140:8-14, Feb 71
Adrenal participation in the timing of mating and LH release in the cyclic rat. Nequin LG, et al.
Endocrinology 88:325-31, Feb 71
Influence of copulation on ovulation in the cycling rat. Rodgers CH. Endocrinology 88:433-6, Feb 71
The influence of sex hormones during the hypothalamic differentiation and maturation phases on gonadal function and sexual behaviour during the hypothalamic functional phase. Dörner G.
Endokrinologie 56:280-91, 1970
Reproductive patterns of three species of macaques. MacDonald GJ. Fertil Steril 22:373-7, Jun 71
The immediate and delayed effects of 1000 R x-rays on the rodent testis. Rugh R, et al.
Fertil Steril 22:73-82, Feb 71
Peri-menstrual sexual behavior among rhesus monkeys. Loy J. Folia Primatol (Basel) 13:286-97, 1970
Recessive genetic variants affecting mating activity of males in natural populations of Drosophila melanogaster. Marinković D, et al.
Genetica 41:581-8, 1970
Deviations of zygotic frequencies from expectations in eggs of Tribolium castaneum. Wool D.
Genetics 66:115-32, Sep 70
Some observations on sexual desire in Sahiwal bulls. Singh B, et al. Indian Vet J 48:655-8, Jun 71
Mating behaviour of gamma irradiated and non irradiated European corn borer, Ostrinia nubilalis (Hübner). Anwar M, et al.
Int J Appl Radiat Isot 22:89-93, Feb 71
Approach behavior towards a sex incentive following forebrain lesions in rats. Kaada BR, et al.
Int J Neurol 6:306-23, 1968
Approach behavior towards a sex incentive following forebrain lesions in rats. Kaada BR, et al.
Int J Neurol 6:306-23, 1968
Effect of diencephalic and rhinencephalic lesions on the male rat's sexual behavior. Giantonio GW, et al.
J Comp Physiol Psychol 73:38-46, Oct 70
Disruption of male, but not female, sexual behavior in rats by medial forebrain bundle lesions. Hitt JC, et al.
J Comp Physiol Psychol 73:377-84, Dec 70
Hypothalamic lesions and sexual behavior in the domestic chick. Meyer CC, et al.
J Comp Physiol Psychol 73:365-76, Dec 70
Modification of copulatory behavior in the female rat following olfactory bulb removal. Moss RL.
J Comp Physiol Psychol 74:374-82, Mar 71
Temporal patterning of sexual behavior in the male rat. Sachs BD, et al.
J Comp Physiol Psychol 73:359-64, Dec 70
Gonadotrophic hormone secretion in the female ring dove in response to visual and auditory stimulation by the male. Barfield RJ. J Endocrinol 49:305-10, Feb 71
Enhancement of on-time nidations in suckling pregnant mice by the proximity of strange males. Bloch S.
J Endocrinol 49:431-6, Mar 71
Studies on canine reproductive behaviour. Christie DW, et al. J Endocrinol 48:3-4, Sep 70
Effects of hypothalamic implants of gonadal steroids on courtship behaviour in Barbary doves (Streptopelia risoria). Hutchison JB. J Endocrinol 50:97-113, May 71
Relationship between blood levels of luteinizing hormone and testosterone in bulls, and the effects of sexual stimulation. Katongole CB, et al.
J Endocrinol 50:457-66, Jul 71
A male sex-attractant pheromone in rhesus monkey vaginal secretions. Michael RP, et al.
J Endocrinol 46:xx-xxi, Feb 70
The menstrual cycle and behaviour of the talapoin monkey (M. talapoin). Scruton DM, et al.
J Endocrinol 48:ii, Sep 70
Mating refusal in Musca domestica: effects of repeated mating and decerebration upon frequency and duration of copulation. Leopold RA, et al.
J Exp Zool 176:353-9, Mar 71
Salivary secretion of the male tick during copulation. Feldman-Muhsam B, et al.
J Insect Physiol 16:1945-9, Oct 70
Underwater copulation of the Weddell seal. Cline DR, et al. J Mammal 52:216-8, Feb 71
Preputial gland of the male mouse; attractant function. Bronson FH, et al. J Reprod Fertil 25:279-82, May 71
Pregnancy-block in the meadow vole, Microtus pennsylvanicus. Clulow FV, et al.
J Reprod Fertil 24:275-7, Feb 71
Effect of rams on the duration of oestrous behaviour in ewes. Fletcher IC, et al.
J Reprod Fertil 25:253-9, May 71
Influence of the genotype of males on pregnancy-block in inbred mice. Godowicz B.
J Reprod Fertil 23:237-41, Nov 70
Incidence and duration of sexual inhibition in young rams. Mattner PE, et al.
J Reprod Fertil 24:149-50, Jan 71
An annual rhythm in the sexual activity of the male rhesus monkey, Macaca mulatta, in the laboratory. Michael RP, et al. J Reprod Fertil 25:95-8, Apr 71
Asynchrony of ovulation and mating in mice treated with gonadotrophins. Stern S, et al.
J Reprod Fertil 23:257-61, Nov 70
The influence of the social environment on sexual maturation in male mice. Vandenbergh JG.
J Reprod Fertil 24:383-90, Mar 71
Mounting behaviour in the female cat. Prescott RG.
Nature (Lond) 228:1106-7, 12 Dec 70
The olfactory and auditory mediated sex attraction in Achroia grisella (Fabr.). Dahm KH, et al.
Naturwissenschaften 58:265-6, May 71
Hippocampal electrical activity in course of sexual behaviour of male rats. Irmiš F, et al.
Physiol Bohemoslov 19:83-7, 1970
Some observations on behavior and reproductive organs in blinded chickens. Ookawa T.
Poult Sci 49:1531-5, Nov 70
Early experience and the development of social behaviour in junglefowl. Kruijt JP.
Psychiatr Neurol Neurochir 74:7-20, Jan-Feb 71
Copulation and the inhibition of pregnancy in rats. Dziuk P, et al. Science 171:311-2, 22 Jan 71
Pheromones: isolation of male sex attractants from a female primate. Michael RP, et al.
Science 172:964-6, 28 May 71
Porifera: sudden sperm release by tropical Demonspongiae. Reiswig HM.
Science 170:538-9, 30 Oct 70
The reproductive behaviour of pigs in relation to fertility. Signoret JP. Vet Rec 88:34-8, 9 Jan 71
[Factors determining the sexual activity of ganders] Dontscheri-Doncev R. Aliment Vie 57:102-4, 1969 (Fre)
[Reproduction and sex behavior of the Canadian goose] Wood JS. Aliment Vie 57:96-7, 1969 (Fre)
[Preliminary data on the acceptance behavior and on the rhythm of the estrus cycle in females submitted to the odor of the urine of the male (Wistar rat)] Aron C, et al.
Ann Endocrinol (Paris) 32:138-41, Jan-Feb 71 (Fre)
[The role of sex selection in the evolution of populations: the advantage of unusual types in the willistoni group (genus Drosophila, subgenus Sophophora)] Petit C, et al.
Bull Biol Fr Belg 102:433-46, 1968 (Fre)
[Influence of atmospheric ions on the activity of albino rats] Olivereau JM.
C R Soc Biol (Paris) 164:956-62, 1970 (Fre)
[Sexual cycle of the cat] Strasser H, et al.
Berl Munch Tierarztl Wochenschr 84:253-4, 1 Jul 71 (Ger)
[Sex behavior of bulls in relation to the serum testosterone] Rouger YA.
Dtsch Tierarztl Wochenschr 78:124-7, 15 Feb 71 (Ger)
[The genital control of cattle] Sambraus HH.
Dtsch Tierarztl Wochenschr 76:165-8, 1 Apr 69 (Ger)
[Heredity and phenotypic and genetic correlations of reproductive traits in intensively reared young bulls] Müller E, et al.
Wien Tierarztl Monatsschr 58:167-71, 1971 (Ger)
[Endocrine regulation and seasonal rhythm of reproduction in the male goat] Leidl W, et al.
Zentralbl Veterinaermed [A] 17:623-33, Aug 70 (Ger)
[Fertilization of the house fly Musca domestica L. I] Lineva VA, et al.
Med Parazitol (Mosk) 39:565-73, Sep-Oct 70 (Rus)
[The structural-functional organization of sexual reaction in dogs] Khananashvili MM, et al.
Zh Vyssh Nerv Deiat 20:609-15, Jul-Aug 70 (Rus)
[The reproductive functioning of dogs decorticated in early ontogenesis] Lobanova LV, et al.
Zh Vyssh Nerv Deiat 20:671-2, Jul-Aug 70 (Rus)

DRUG EFFECTS

Monoamines and testosterone activated copulatory behaviour in the castrated male rat. Malmnäs CO, et al.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:67, 1970
Aggression and gonadal hormones in captive Rhesus monkeys (Macaca mulatta). Michael RP, et al.
Anim Behav 18:1-10, Feb 70
Redirected aggression and gonadal hormones in captive Rhesus monkeys (Macaca mulatta). Zumpe D, et al.
Anim Behav 18:11-9, Feb 70
Serotonin now: clinical implications of inhibiting its synthesis with para-chlorophenylalanine.
Ann Intern Med 73:607-30, Oct 70
Probable role of aromatization in the induction of estrus behavior by androgens in the ovariectomized rabbit. Beyer C, et al. Endocrinology 87:1386-9, Dec 70
Effect of a single prepubertal injection of testosterone propionate on adult bisexual behavior of male hamsters castrated at birth. Eaton G.
Endocrinology 87:934-40, Nov 70
Effects of prenatal androgen treatment on mating behavior in female hamsters. Nucci LP, et al.
Endocrinology 88:1514-5, Jun 71
Short latency induction of estrous behavior with intracerebral gonadal hormones in ovariectomized rats. Ross J, et al. Endocrinology 89:32-8, Jul 71
Induction of lordosis, ovulation and pregnancy by a single injection of HCG in the hamster. Yang WH.
Endocrinology 89:287-93, Jul 71
Impairment of spermatogenesis and libido through antibodies to luteinizing hormone. Talaat M, et al.
Fertil Steril 22:113-8, Feb 71
Precocious sexual receptivity induced by a juvenile hormone analog in females of the yellow fever mosquito, Aedes aegypti. Gwadz RW, et al.
Gen Comp Endocrinol 16:47-51, Feb 71
Nature of sex hormone effects on rat sex behavior: specificity of effects and individual patterns of response. Pfaff D.
J Comp Physiol Psychol 73:349-58, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The role of progesterone in regulating the period of sexual receptivity in the female hamster. Ciaccio LA, et al. J Endocrinol 50:201-7, Jun 71
The maintenance of sexual receptivity by adrenal androgens in female rhesus monkeys. Everitt BJ, et al. J Endocrinol 48:38, Dec 70
The effect of oestradiol benzoate on the duration of oestrous behaviour in the ovariectomized ewe. Scaramuzzi RJ, et al. J Endocrinol 50:345-6, Jun 71
The role of 5-hydroxytryptamine in the behaviour of cats. Shillito EE. J Physiol (Lond) 210:162P, Sep 70
The action of clomiphene in the ewe. Lindsay DR, et al. J Reprod Fertil 23:277-83, Nov 70
Sexual behaviour of male rats sterilized by cadmium. Madlafousek J, et al. J Reprod Fertil 26:189-96, Aug 71
Serotonin synthesis inhibition and estrous behavior in female rats. Meyerson BJ, et al. Life Sci [I] 9:661-71, 15 Jun 70
The sex attractant of the Indian-meal moth Plodia interpunctella (Hübner). Dahm KH, et al. Life Sci [II] 10:531-9, 8 May 71
Reversal of pargyline-induced inhibition of sexual behaviour in male rats by p-chlorophenylalanine. Tagliamonte A, et al. Nature (Lond) 230:244-5, 26 Mar 71
Neonatal androgen effects on sexual and non-sexual behavior of adult rats tested under various hormone regimes. Pfaff DW, et al. Neuroendocrinology 7:129-45, 1971
Mating behavior in the male rat treated with p-chlorophenylalanine methyl ester alone and in combination with pargyline. Ahlenius S, et al. Psychopharmacologia 20:383-8, 1971
Lordosis behavior in male rats treated with estrogen in combination with tetrabenazine and nialamide. Larsson K, et al. Psychopharmacologia 21:13-6, 1971
Aphrodisiac effect of p-chlorophenylalanine. Gessa GL, et al. Science 171:706, 19 Feb 71
[Hormonal control of the reproductive behaviour of the sunfish Lepomis gibbosus (L.) (Centrarchidae, Teleostei)] Kramer B. Z Tierpsychol 28:351-86, Jun 71 (Ger)
[Effect of estrogens and androgens on the reproductive system and sexual behavior of female dogs] Antonov VV. Fiziol Zh SSSR 57:124-5, Jan 71 (Rus)

SEX CHARACTERISTICS (G1)

Sexual maturation in contemporary American girls. Zacharias L, et al. Am J Obstet Gynecol 106:833-46, 1 Nov 70
Studies on androgen metabolism in experimentally feminized rats. Bottiglioni F, et al. Endocrinology 89:553-9, Aug 71
Absence of androgen stimulation of hepatic steroid sulfatase in the female rat. Schneider G, et al. Endocrinology 89:308-10, Jul 71
The influence of temperature upon the change from the male to the female phase in Ophryotrocha puerilis puerilis, a polychaete worm. Bacci G, et al. Experientia 26:1273-4, 15 Nov 70
Immunological responsiveness in CBA-PH and C57BL-6 mice and in their first backcross generation. Poláčková M, et al. Folia Biol (Praha) 17:163-70, 1971
Hormonal control in pigmentary sexual dimorphism in Sceloporus occidentalis. Kimball FA, et al. Gen Comp Endocrinol 16:375-84, Apr 71
Sex differences at puberty. Marshall WA. J Biosoc Sci [Suppl] 2:31-41, May 70
In vitro analysis of the hormonal basis for the sexual dimorphism in the embryonic development of the mouse mammary gland. Kratochwil K. J Embryol Exp Morphol 25:141-53, Feb 71
Male Turner's syndrome: a case report with normal external genitalia, hormonal assays and secondary sex characteristics. DeVillez RL, et al. Milit Med 135:786-90, Sep 70
Sex difference in trophoblast behaviour on transplantation. Borland R, et al. Nature (Lond) 228:572, 7 Nov 70
Sex difference in the number of adipose cells from genetically obese rats. Lemonnier D. Nature (Lond) 231:50, 7 May 71
Primary amenorrhea with normally developed secondary sex characteristics. Zourlas PA, et al. Obstet Gynecol 38:298-303, Aug 71
A sex difference in the rate of rise of plasma LH in rats following gonadectomy. Blackwell RE, et al. Proc Soc Exp Biol Med 136:11-4, Jan 71
Biochemical alterations during storage of human blood from male and female donors. DeVenuto F, et al. Proc Soc Exp Biol Med 136:183-6, Jan 71
Circadian variation in mouse hematopoiesis. I. Sex difference in cellularity of femoral diaphyseal marrow. Sharkis SJ, et al. Proc Soc Exp Biol Med 136:283-4, Jan 71
[Fetal sex differentiation] Rapola J. Duodecim 87:657-66, 1971 (Fin)
[Biological cycle and sexual inversion in Patella vulgata L. (prosobranch gastropod mollusc)] Choquet M. Gen Comp Endocrinol 16:59-73, Feb 71 (Fre)
[Sex-specific differences in the corticosteroid hormone content of rat organs and tissues] Fazekas AT. Endokrinologie 57:166-75, 1971 (Ger)
[Sex dependent difference in size of mitochondria in the zona fasciculata of the rat adrenal cortex] Mäusle E, et al. Experientia 27:700-1, Jun 71 (Ger)
[Sex differences in the biomorphosis of human parathyroid glands] Rother P. Gegenbaurs Morphol Jahrb 115:231-7, 1970 (Ger)
[Sex development in puberty and consequent functional disorders. Observations on 744 girls of Carrara] Barghini G. Minerva Pediatr 23:387-9, 3 Mar 71 (Ita)
[Some characteristics of physical and sexual development in pubertal-juvenile dyspituitarism] Starkova NT, et al. Probl Endokrinol (Mosk) 16:31-6, Jul-Aug 70 (Rus)

DRUG EFFECTS

Testosterone in premature babies and its effect on sexual development. Polishuk WZ, et al. Lancet 1:344, 13 Feb 71
Ultrastructural aspects of cortical differentiation in chick ovaries and intersexual gonads. Narbaitz R. Z Zellforsch Mikrosk Anat 118:315-25, 1971

SEX CHROMATIN (A11)

A spatial model for the visualization of variations in the localization of sex chromatin. Levij IS. Acta Anat (Basel) 75:1-5, 1970
Comparison of X-chromatin frequency in buccal and vaginal cells from atopic women. Kallin EW, et al. Acta Cytol (Baltimore) 15:294-6, May-Jun 71
Time-lapse studies of mitosis and sex chromatin in human fibroblasts. Miles CP, et al. Acta Cytol (Baltimore) 14:468-78, Sep-Oct 70
Sex chromatin in cells of the endothelial lining of aorta and heart. Prasad N. Acta Cytol (Baltimore) 14:607-8, Nov-Dec 70
In vitro observations of sex chromatin in cells from the human uterine cervix. Wilbanks GD, et al. Acta Cytol (Baltimore) 15:297-302, May-Jun 71
Frequency of sex chromatin and number of nucleoli in cells grown in tissue cultures from normal human subjects and human subjects with supernumerary x-chromosomes. Therkelsen AJ. Acta Pathol Microbiol Scand [A] 78:295-304, 1970
Fluorescing structures of human metaphase chromosomes. Detection of "Y body". Cervenka J, et al. Am J Hum Genet 23:317-24, May 71
The sex chromatin count in pregnancy. Townsend JF, et al. Am J Obstet Gynecol 106:585-7, 15 Oct 70
Evaluation of breast tumour cellular sex chromatin (Barr body) as an index of survival and response to pituitary ablation. Perry PM. Br J Surg 58:294-5, Apr 71
Chromatin patterns in fishes with emphasis on sexual dimorphism. Gee PA, et al. Can J Zool 48:1283-6, Nov 70
The sex chromatin in five species of hamsters. Raicu P, et al. Chromosoma 31:61-7, 1970
Evolution of sex-chromosomes and formation of W-chromatin in snakes. Ray-Chaudhuri SP, et al. Chromosoma 33:239-51, 1971
Sexual dimorphism in somatic interphase nuclei of snakes. Ray-Chaudhuri SP, et al. Cytogenetics 9:410-23, 1970
Sex chromatin and nuclear sexing in birds. Arora CL, et al. Cytologia (Tokyo) 35:601-8, Dec 70
Age and sex as factors in the occurrence of the sci-body in the liver, heart, kidney and spleen of chicken embryos. Kosin IL, et al. Cytologia (Tokyo) 35:577-83, Dec 70
Frequency of "Y chromatin body" in human skin fibroblasts in tissue culture, and its relation to growth phase. Therkelsen AJ, et al. Exp Cell Res 65:473-5, Apr 71
Prevalence of excess Barr bodies in Swedish institutions for the mentally handicapped. Hambert G, et al. J Ment Defic Res 14:263-5, Sep 70
Sex chromatin survey among mentally retarded children in Japan. Yanagisawa S, et al. J Ment Defic Res 14:254-62, Sep 70
Prenatal sex predictions of foetal cells in amniotic fluids. Seng CT. J Singapore Paediatr Soc 13:37-45, Apr 71
Experimentally induced changes of extranucleolar ribonucleoprotein components of the interphase nucleus. Petrov P, et al. J Ultrastruct Res 35:386-402, May 71
Sex-chromatin fluorescence in hair-root cells. Goday C, et al. Lancet 2:220, 24 Jul 71
Fluorescence of the Y and Barr body in human interphase cells. Greensher A, et al. Lancet 1:920-1, 1 May 71
Nuclear sex and antenatal diagnosis of Klinefelter's syndrome. Walker S, et al. Lancet 2:430, 21 Aug 71
Fluorescent male sex chromatin in hair rot cels. Engel E, et al. South Med J 64:161-2, Feb 71
Rapid chromosome and sex-chromatin staining with pinacyanol. Klinger HP, et al. Stain Technol 46:43-7, Mar 71
Chromosome and sex-chromatin studies of patients with hypospadias. Tunçbilek E. Turk J Pediatr 11:141-5, Oct 69
[Fluorescence microscopy of Y chromatin. A method for the study of Y-chromosome abnormalities] Nielsen H, et al. Ugeskr Laeger 133:631-4, 9 Apr 71 (Dan)
[Diagnostic use of sex chromatin] Bessas G, et al. Gynecol Prat 19:229-36, 1968 (Fre)
[Karyotype and sex chromatin of the African elephant (Loxodonta africana)] Thürig D. Acta Anat (Basel) 75:6-12, 1970 (Ger)
[Late replicating X chromosome and sex chromatin frequency in man] Heil B. Humangenetik 9:64-74, 1970 (Ger)
[Analysis of the stability of yellow position-effect variegation in cultures of imaginal discs of Drosophila melanogaster] Gsell R. Mol Gen Genet 110:218-37, 1971 (Ger)
[Sex chromatin studies in uterus carcinoma cases] Dömötöri J. Zentralbl Gynaekol 92:1423-6, 24 Oct 70 (Ger)
[Anatomo-clinical aspects of breast carcinomas in relation to the problem of sex chromatin] Di Curzio B. Ann Ital Chir 45:1138-52, 1970 (Ita)
[The problem of sex chromatin in carcinomas of the breast. (Current status of knowledge)] Di Curzio B, et al. Ann Ital Chir 45:865-80, Nov 70 (Ita)
[On the cytology of amniotic fluid] Meroni P. Ann Ostet Ginecol 91:299-345, May 69 (Ita)
[Sex chromatin in students of the speical schools of the city of Bologna. I. Mental retardates] Faggioli A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:676-80, 1968 (Ita)
[Sex chromatin in students of the special schools of the city of Bologna. 2. Subjects with behavior and character disorders] Zannotti M, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:681-4, 1968 (Ita)
[Comparative study of the chromatin-positivity in vitro and in vivo] Zanoio L, et al. Attual Ostet Ginecol 15:85-8, Mar-Apr 69 (Ita)
[Incidence of sex chromatin in th menstrual cycle] Gasparini M. Friuli Med 24:441-54, Sep-Oct 69 (Ita)
[Prenatal determination of fetal sex in the amniotic fluid. Notes on 140 determinations] Bellati U, et al. Minerva Ginecol 21:671-4, 31 May 69 (Ita)
[Study of sex chromatin in cases of primary amenorrhea with malformations of the external genitalia] Ponticelli D. Rass Int Clin Ter 49:1285-9, 31 Oct 69 (Ita)
[5 cases of breast cancer among patients in their 20's and sex chromatin counts] Ando H, et al. Jap J Cancer Clin 16:943-6, Sep 70 (Jap)
[Sex chromatin in menstrual cycle] Romer TE, et al. Endokrynol Pol 21:565-78, 1970 (Pol)
[Dynamics of the sex chromatin test in the first days of life] Ciornea T, et al. Rev Med Chir Soc Med Nat Iasi 75:441-8, Apr-Jun 71 (Rum)
[Some clinico-roentgenological parallels in dysgenesis of gonads] Vefnberg ZG, et al. Akush Ginekol (Mosk) 46:47-50, Aug 70 (Rus)
[Sex chromatin in various tissues of rabbits of different sexes] Gorokhova GP. Biull Eksp Biol Med 71:106-8, Mar 71 (Rus)
[Study of sex chromatin in human corneas preserved at a temperature of -45 degrees C] Panormova NV, et al. Oftalmol Zh 26:125-9, 1971 (Rus)
[Diversity of sex chromatin in breast tumor cells] Sluzhinskaia ZA. Tsitologiia 12:1197-202, Sep 70 (Rus)
[The DNA and sex chromatin in pigmented skin neoplasms in man] Naleskina LA. Vopr Onkol 17:8-14, 1971 (Rus)
[Chromosome studies in a Mexican prison] Zavala C, et al. Rev Invest Clin 22:251-6, Jul-Sep 70 (Spa)
[Sex chromatin in an 18 day-old embryo] Bollo Cicero A, et al. Rev Lat Am Patol 9:143-7, Jun 70 (Spa)
[Turner's syndrome. Clinical characteristics and cytogenetic findings in 11 cases] Youlton R. Rev Med Chil 99:125-8, Feb 71 (Spa)
[Sex chromosome aberrations: effect on intelligence, social adjustment and mental health] Forssman H. Lakartidningen 67:4293-304, 16 Sep 70 (63 ref.) (Swe)
[Sex chromatin in the cells of neoplasms of the uterus ovaries and breast] Sluzhinskaia ZA, et al. Pediatr Akush Ginekol 3:54-8, 1970 (Ukr)

ANALYSIS

A description of two procedures which avoid the use of extreme pH conditions for the resolution of components isolated from chromatins prepared from pig cerebellar and pituitary nuclei. Shaw LM, et al. Biochemistry 9:4530-42, 10 Nov 70
Sex chromatin in embryonic rat liver. Kajii T, et al. Exp Cell Res 50:435-40, May 68
Sex chromatin frequency in buccal mucosal tissue: the distribution of single, double and triple sex chromatin bodies. Curtis DJ. Humangenetik 11:22-8, 1970
Identification of the human sex chromosome complement in polymorphonuclear leukocytes: a new technique. Dallapiccola B. J Lab Clin Med 78:88-93, Jul 71
Low X-chromatin frequency in untreated congenital adrenal hyperplasia. Gareis FJ, et al. Lancet 2:373-4, 14 Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sex-chromatin fluorescence in human amniotic-fluid cells. Mukherjee AB, et al. Lancet 2:709-10, 25 Sep 71
Cytogenetic studies from the hair-root. Sperling K. Lancet 1:753-4, 10 Apr 71
The importance of sex chromatin determination in the hormonal treatment of breast cancer. Sirackà E, et al. Neoplasma 17:625-9, 1970
Sex chromatin in endometrial cancer. Siracký J, et al. Neoplasma 17:399-403, 1970
Determination of fetal sex during the second trimester of pregnancy. A reliable culture method. Barakat BY, et al. Obstet Gynecol 37:134-40, Jan 71
[The significance of sex chromatin in intersexuality and report of a case of a newborn infant] Damianova Ts, et al. Akush Ginekol (Sofiia) 8:441-5, 1969 (Bul)
[The problem of sex-chromatin negative cells] Schwarzacher HG, et al.
Z Anat Entwicklungsgesch 132:18-33, 1970 (Ger)
[Evaluation possibilities of sex chromatin in the live rabbit] Kiszely G, et al.
Z Versuchstierkd 13:41-3, 1970 (Ger)
[Sex chromatin in breast carcinoma. Importance in regard to surgical and hormonal therapy] Marcellino LR, et al. Ann Ital Chir 45:808-27, 1969 (Ita)
[Rhythm of frequency of sex chromatin in the newborn] Di Perna N, et al.
Boll Soc Ital Biol Sper 45:751-4, 15 Jun 69 (Ita)
[Turner's syndrome in the light of sex chromatin studies] Krawczyński M.
Endokrynol Pol 22:167-79, 1971 (Pol)
[Sex chromatin in women treated with steroid hormones] Maj S, et al.
Endokrynol Pol 21:579-83, 1970 (Pol)
[Syndrome of congenital anomalies in a girl with karyotype 47,XXX] Kańska B, et al.
Pediatr Pol 46:81-5, Jan 71 (Pol)
[Comparative evaluation of the usefulness of the methods of sex chromatin determination] Dobrzańska A, et al. Pol Tyg Lek 26:817-8, 31 May 71 (Pol)
[Studies of sex chromatin in tumors of female genitalia. (Review or literature)] Peskova VI.
Akush Ginekol (Mosk) 46:9-13, Aug 70 (Rus)
[Sex chromatin in malignant tumors of the breast in patients subjected to preoperative irradiation] Loboda VI. Arkh Patol 32:37-41, 1970 (Rus)
[Sex chromatin content in the cells of breast cancer according to trephine-biopsy data] Palinka PS, et al.
Vopr Onkol 17:19-22, 1971 (Rus)
[Determination of fetal sex by cytogenic examination of the amniotic fluid] Džikov Z, et al.
God Zb Med Fak Skopje 16:75-9, 1970 (Ser)
[Changes in sex chromatin in somatic cells of newborn girls in the 1st days of life] Dyshlovof VD, et al.
Pediatr Akush Ginekol 2:50-2, 1971 (Ukr)

BIOSYNTHESIS

[The effect of the degree of the biologicctivity of esrogen on nuclear sex chromatin] Spasov S, et al.
Akush Ginekol (Sofiia) 9:298-302, 1970 (Bul)

METABOLISM

Modification of chromatin by trypsin. Toczko K, et al.
Acta Biochim Pol 18:31-8, 1971

SEX CHROMOSOME ABNORMALITIES (C16)

"Mixed" gonadal dysgenesis, a case with male phenotype and 45,X-46,XY mosaicism. Hortling H, et al. Acta Endocrinol (Kbh) 65:229-43, Oct 70
A case of the XXXXY chromosome anomaly with four maternal X chromosomes and diabetic glucose tolerance. Christensen MF, et al.
Acta Paediatr Scand 59:706-10, Nov 70
A case of chromosome anomaly in a boy aged 2 1-2 years. Fjord Christensen M, et al.
Acta Paediatr Scand 60:249, Mar 71
Clinical and cytogenetic studies in hypospadias. Aarskog D.
Acta Paediatr Scand [Suppl] 203:Suppl 203:1+, 1970
Down's syndrome with XYY: 48,XYY, G+. al-Aish MS, et al. Am J Dis Child 121:444-6, May 71
Short arm deletion of an X chromosome in a 19-year-old girl. Bachman R, et al.
Am J Ment Defic 75:435-41, Jan 71
Gonadoblastoma occurring in a female with XO-XY fragment gonadal dysgenesis. Ferenczy A, et al.
Am J Obstet Gynecol 109:564-9, 15 Feb 71
Abnormalities of human sex chromosomes. 3. Duplication in the long arm of the Y chromosome (45,X-46,XYg+) in Y-gonadal dysgenesis. Morillo-Cucci G, et al.
Ann Genet (Paris) 14:113-20, Jun 71
Abnormalities of human sex chromosomes. II. Turner's syndrome associated with the mosaicism 45,X-46, XX-p. Simpson JL, et al.
Ann Genet (Paris) 14:105-11, Jun 71
Minute Y chromosome. Surana RB, et al.
Ann Genet (Paris) 14:145-8, Jun 71
Prisoners of XYY constitution: psychological aspects. Griffiths AW. Br J Psychiatry 119:193-4, Aug 71
X-linked mental retardation without physical abnormality: Renpenning's syndrome. Turner G, et al.
Dev Med Child Neurol 13:71-8, Feb 71
Cytological and clinical observations in XXY-XX-XY-XO mosaicism. Bergman S, et al.
Hereditas 61:276-8, 1969
A clinical and cytogenetical study of XX male. Boczkowski K, et al. Hereditas 62:285-92, 1969
XX-XXY mosaicism in a phenotypically normal female. Hamlett JD, et al. Hum Hered 20:260-4, 1970
XXXXY syndrome in a phenotypic male infant with associated cardiac abnormalities. Assemany SR, et al.
Humangenetik 12:101-4, 1971
Partial XYY syndrome. Christensen KR, et al.
Humangenetik 12:323-9, 1971
Population cytogenetics, assignment of gene loci in autosomes, karyotype-phenotype correlations. A progress report on human cytogenetics. Passarge E.
Humangenetik 9:1-15, 1970 (77 ref.)
Extra Y chromosomes and alcoholism. Wahlström J, et al. Humangenetik 9:105-6, 1970
An adult phenotypic male with a 46,XX chromosome complement. Powers HO, et al.
J Clin Endocrinol Metab 31:576-9, Nov 70
Childhood psychosis combined with XYY abnormalities. Abrams N, et al.
J Genet Psychol 118:13-6, Mar 71
An XYY survey in a Negro prison population. Fattig WD. J Hered 61:10, Jan-Feb 70
Cytogenetic studies in a maximum security hospital. Masterson J, et al. J Ir Med Assoc 63:362-4, Oct 70
A female with the 48,XXXX karyotype. Berkeley MI, et al. J Med Genet 7:83-5, Mar 70
Comments on patients with sex chromosome aneuploidy: dermatoglyphs, parental ages, Xg a blood group. Borgaonkar DS, et al.
J Med Genet 7:345-50, Dec 70
Evidence of XX-XY sex chromosome mosaicism in a child with true hermaphroditism. Fitzgerald PH, et al.
J Med Genet 7:383-8, Dec 70
Gonadoblastoma in a phenotypic female with 45,X-47,XYY mosaicism. Suñé MV, et al.
J Med Genet 7:410-2, Dec 70
Mosaic XXX-XXXX sex chromosome complement. Case report and review of literature. Rerrick EG.
J Ment Defic Res 14:141-8, Jun 70
A case of quintuple-X syndrome (49,XXXXX). Zajaczkowska K, et al.
J Ment Defic Res 14:305-11, Dec 70
Streak gonads and the Y chromosome. Andrews J.
J Obstet Gynaecol Br Commonw 78:448-57, May 71
The 49,XXXXX chromosome constitution: similarities to the 49,XXXXY condition. Sergovich F, et al.
J Pediatr 78:285-90, Feb 71
Chromosome errors in men with antisocial behavior. Comparison of selected men with Klinefelter's syndrome and XYY chromosome pattern. Baker D, et al. JAMA 214:869-78, 2 Nov 70
Sex chromosome mosaicism (XO-XX-XXY-XY) in a phenotypic female. Kaufman RL, et al.
JAMA 215:1941-4, 22 Mar 71
45,X-46, XY mosaicism. A case with typical Turner stigmata and occipital webbing. Kajii T, et al.
Jap J Hum Genet 15:248-54, Mar 71
Internal asynchrony in late replication of human X chromosomes with structural abnormalities. Kikuchi Y, et al. Jap J Hum Genet 15:114-23, Sep 70
Fluorescence and Y translocation in XX males. Fraccaro M, et al. Lancet 1:858, 24 Apr 71
Fluorescence and Y translocation in XX males. Ives EJ, et al. Lancet 2:48, 3 Jul 71
Dyeing the Y chromosome. Lancet 1:275-6, 6 Feb 71
45,X cell lines in adult men: loss of Y chromosome, a normal aging phenomenon? Pierre RV, et al.
Mayo Clin Proc 46:52-5, Jan 71
Cytogenetic studies in the gynecological field. 1. ytogenetic studies on primary amenorrhea. Kondo H.
Nagoya Med J 16:81-92, Nov 70
Identification of an unusual Y chromosome in YY mosaicism by quinacrine fluorescence. Wilson MG, et al. Nature (Lond) 231:388-9, 11 Jun 71
Cytogenetic studies in reproductive failure. Stenchever MA, et al. Obstet Gynecol 37:83-9, Jan 71
Hormonal and genetic extremes at puberty. Money J.
Proc Am Psychopathol Assoc 59:138-58, 1970
Cytogenetic, hormonal and histological studies of two atypical XY females. Luca LA de, et al.
Rev Assoc Med Bras 17:3-10, Jan 71
Height and antisocial behavior in XY and XYY boys. Hook EB, et al. Science 172:284-6, 16 Apr 71
Sex chromosomal abnormalities. German J.
South Med J 64:Suppl1:73-80, Feb 71
Pediatric gynecology. Kaplan AL.
South Med J 64:218-23, Feb 71
Psychologic findings associated with the XO, XXY, and XYY anomalies. Money J.
South Med J 64:Suppl1:59-64, Feb 71
[Unusual chromosomal and gonadal findings in a phenotypic female] Chrz R, et al.
Cas Lek Cesk 110:344-7, 1971 (Cze)
[Diagnosis and therapy of sexual development disorders in childhood] Stavratjev M, et al.
Cesk Pediatr 26:33-41, Jan 71 (Cze)
[A case of the 49 XXXXY chromosome anomaly in a 2 and one-half-year-old boy] Fjord Christensen M, et al.
Nord Med 85:92, 21 Jan 71 (Dan)
[Clinical and biological study of a patient of male phenotype and chromosome formula 46 XX] Canivet J, et al.
Ann Endocrinol (Paris) 29:351-61, May-Jun 68 (Fre)
[XO-XX-XXX mosaic in two monozygotic girl twins: clinical and biological similarities and differences] Muller P, et al.
Ann Endocrinol (Paris) 31:1143-52, Nov-Dec 70 (Fre)
[Essential testicle hypotrophy, confluent sebaceous adenomatosis of the face, caryotype 46,XY-46,XYpi-47,XYpiYpi] Vague J, et al.
Ann Endocrinol (Paris) 31:1183-92, Nov-Dec 70 (Fre)
[46,XY-45,X mosaicism and 18p- deletion] Giraud F, et al. Ann Genet (Paris) 14:59-62, Mar 71 (Fre)
[Study by fluorescence of a trisomy C mosaic, probably 8: 46,XY-47,XY,?8+] Grouchy J de, et al.
Ann Genet (Paris) 14:69-72, Mar 71 (Fre)
[Testicular dysgenesis similar to male Turner syndrome with stenosis of the lower thoracic aorta and long Y chromosome] Bereni J, et al.
Ann Med Interne (Paris) 121:253-62, Feb 70 (Fre)
[On XYY chromosome triplet. Its importance in psychiatry. Apropos of a case] Boucharlat J, et al.
Ann Med Psychol (Paris) 1:793-7, May 69 (Fre)
[On XYY chromosome triplet. Its importance in psychiatry. Apropos of a case] Boucharlat J, et al.
Ann Med Psychol (Paris) 127:793-7, May 69 (Fre)
[Clinical and genetic aspects of fertility disorders of chromosomal origin] Goebel KM, et al.
Can Med 12:191-7, 28 Feb 71 (Fre)
[Congenital hydrocephalus and bilateral abnormality of the thumbs: malformative syndrome linked to the X chromosome] Gilly R, et al.
Pediatrie 26:365-78, Jun 71 (Fre)
[Ovarian malformations: anatomic, cytogenetic and hormonal classification] Muller P.
Rev Med Liege 25:774-80, 1 Dec 70 (Fre)
[2 men with 46, XX] Neuwirth J, et al.
Endokrinologie 57:29-36, 1970 (Ger)
[Hard-to-classify forms of intersexuality. II. Familial male pseudohermaphroditism with lacking or supernumerary Y chromosome as mosaic] Sachsse W, et al. Klin Wochenschr 48:969-96, 15 Aug 70 (Ger)
[Clinical and genetic findings in chromosomal fertility disorders] Goebel KM, et al.
Munch Med Wochenschr 112:2312-8, 18 Dec 70 (Ger)
[Triploidy (69,XXY) in a live born child] Keutel J, et al.
Z Kinderheilkd 109:104-17, 1970 (Ger)
[Turner's syndrome with ring X chromosome] Dallapiccola B, et al.
Rass Neurol Veg 23:243-55, 1969 (Ita)
[Current trends in human cytogenetics and congenital genital pathology (re-evaluation of the problem and personal observations). II. Gonosomal abnormalities in female phenotypes. Gonosomal abnormalities in male phenotypes. Conclusions] Bovicelli L.
Riv Ital Ginecol 53:715-54, Dec 69 (Ita)
[True hermaphrodite--sex chromosomes and anomalous development of the gonad] Isurugi K.
Naika 27:135-41, Jan 71 (Jap)
[Familial variant of the Y chromosome] Jeske J, et al.
Endokrynol Pol 21:411-4, Jul-Aug 70 (Pol)
[Determination and differentiation of sex] Boczkowski K. Pediatr Pol 45:1403-11, Nov 70 (Pol)
[Males with female karyotype 46,XX] Boczkowski K, et al. Pol Tyg Lek 25:1298-301, 24 Aug 70 (19 ref.) (Pol)
[XXXXY syndrome] Youlton R, et al.
Rev Med Chil 98:761-4, Nov 70 (Spa)

BLOOD

Plasma factor-VIII concentrations in XXX women. Mantie DJ, et al. Lancet 1:58-9, 9 Jan 71

CLASSIFICATION

Sex chromosome abnormalities. Krmpotic E, et al.
Chic Med Sch Q 29:99-117, 1970

COMPLICATIONS

Cutis verticis gyrata in a woman with supernumerary X chromosomes (46, XX-47, XXX-48, XXXX). Olanders S, et al. Acta Psychiatr Scand 46:120-5, 1970
Radioulnar synostosis. A common occurrence in sex chromosomal abnormalities. Jancu J.
Am J Dis Child 122:10-1, Jul 71
The mental implications of sex chromosome aberrations. Forssman H.
Br J Psychiatry 117:353-63, Oct 70 (65 ref.)
Criminality among patients with Klinefelter's syndrome and the XYY syndrome. Nielsen J.
Br J Psychiatry 117:365-9, Oct 70
The XYY syndrome in young Greek detainees. Matsaniotis N, et al. Helv Paediatr Acta 25:253-7, Jul 70
Retinitis pigmentosa with mental retardation, deafness and XX-XO sex chromosomes. Jancar J.
J Ment Defic Res 14:269-73, Dec 70
The structure and function of tumours of dysgenetic gonads. Pettigrew NM, et al. J Pathol 103:p18, Feb 71
3. Selected syndromes associated with abnormalities of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the sex chromosomes. Wilroy RS Jr, et al. J Tenn Med Assoc 64:318-22, Apr 71
Association of autoimmune disorders and sex-chromosome anomalies. Salmon MA, et al. Lancet 2:1085-6, 21 Nov 70
Genetic causes of mental disorders--psychiatric implications of sex chromosome abnormalities. Cowie VA. Med Lab Technol 28:179-84, Apr 71
[XXX syndrome in primary sterility associated with vagina subsepta and uterus septus] Blažek M, et al. Cesk Gynekol 35:407-9, Sep 70 (Cze)
[Gonadal tumors and intersexuality] Legeriotz C, et al. Geburtshilfe Frauenheilkd 31:523-35, Jun 71 (Ger)
[A case with XYY karyotype, Mediterranean disease and hypogammaglobulinemia] Tannoia N, et al. Acta Genet Med Gemellol (Roma) 19:431-8, Jul 70 (Ita)
[Sex chromatin in students of the speical schools of the city of Bologna. I. Mental retardates] Faggioli A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:676-80, 1968 (Ita)
[Sex chromatin in students of the special schools of the city of Bologna. 2. Subjects with behavior and character disorders] Zannotti M, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:681-4, 1968 (Ita)
[XYY syndrome and behavior disorders] Guaraldi GP, et al. Riv Sper Freniatr 94:1572-9, 3 Dec 70 (Ita)

CONGENITAL

A case of 46,XY-45,X-46,XX intersex. Moneta E, et al. Humangenetik 12:244-54, 1971

DIAGNOSIS

X chromosome abnormalities and the obstetrician. The value of routine nuclear sexing of newborn infants. Harris JS, et al. Am J Obstet Gynecol 109:574-83, 15 Feb 71
Chromosome karyotype 45,X-46,XY follow-up. Williams DL, et al. Ann Intern Med 73:859-60, Nov 70
The XY female child. Dewhurst CJ. Arch Dis Child 45:595-9, Aug 70
Dermatoglyphic topology. Polani N. Dev Med Child Neurol 13:235-8, Apr 71
Male phenotype with female karyotype: 46, XX. Westerman RF, et al. Folia Med Neerl 13:161-5, 1970
Father and son with karyotype 47,XY,?Yq-. Nielsen J, et al. Humangenetik 11:247-52, 1971
69,XYY sporadic triploidy in an adult. Sellyei M, et al. Humangenetik 11:244-6, 1971
Identification of the human sex chromosome complement in polymorphonuclear leukocytes: a new technique. Dallapiccola B. J Lab Clin Med 78:88-93, Jul 71
Dyeing the Y chromosome. Lewin PK, et al. Lancet 1:596, 20 Mar 71
Distinguishing between X, Y and YY-bearing human spermatozoa by fluorescence and DNA content. Sumner AT, et al. Nature [New Biol] 229:231-3, 24 Feb 71
Prognosis in newborn infants with X-chromosomal abnormalities. Eller E, et al. Pediatrics 47:681-8, Apr 71
[Chromosome findings in criminals and non-criminal controls. Comparison of two non-selected series] Orywall D, et al. Aerztl Forsch 24:257-61, 10 Sep 70 (Ger)
[Early recognition and diagnosis of X-chromosome abnormalities in phenotypically female individuals in childhood] Falk W. Wien Med Wochenschr 120:362-5, 16 May 70 (Ger)
[The importance of configurations or papillary lines in the identification of chromosomal diseases] Rott HD. Folia Clin Int (Barc) 19:500-6, Oct 69 (Spa)

FAMILIAL & GENETIC

Twins in sibships with Klinefelter's syndrome and the XYY syndrome. Nielsen J. Acta Genet Med Gemellol (Roma) 19:399-404, Jul 70
Fluorescent evidence for spermatocytes with two Y chromosomes in an XYY male. Hultén M, et al. Ann Hum Genet 34:273-6, Feb 71
Sex chromatin frequency in buccal mucosal tissue: the distribution of single, double and triple sex chromatin bodies. Curtis DJ. Humangenetik 11:22-8, 1970
Two further males with female karyotypes. De la Chapelle A, et al. Humangenetik 11:286-94, 1971
Mixed gonadal dysgenesis with Turner phenotype and XO-XYq- mosaicism. Takayasu H, et al. Jap J Hum Genet 15:103-13, Sep 70
Anomalous Xg inheritance with a probable explanation. Buckton KE, et al. Lancet 1:371-2, 20 Feb 71
Identification of an unusual Y chromosome in YY mosaicism by quinacrine fluorescence. Wilson MG, et al. Nature (Lond) 231:388-9, 11 Jun 71
[Concomitance in one family of mongolism with mosaicism (trisomy 21) in the brother and triple-X syndrome (XXX) in the sister] Klein D, et al. Arch Julius Klaus Stift Vererbungsforsch 44:62-78, 1969 (Fre)
[Structural abnormalities and role of the Y chromosome in man] Devictor-Vuillet M, et al. Pathol Biol (Paris) 19:231-49, Mar 71 (Fre)
[Sex chromosome aberrations: effect on intelligence, social adjustment and mental health] Forssman H. Lakartidningen 67:4293-304, 16 Sep 70 (63 ref.) (Swe)

METABOLISM

Metabolism of testosterone by human skin with reference to sex chromosome anomalies. Engelhardt D, et al. Acta Endocrinol [Suppl] (Kbh) 152:12, 1971
DNA replication pattern of the Y chromosome in XYY and XXYY males. Borgaonkar DS, et al. J Hered 61:35-6, Jan-Feb 70

OCCURRENCE

Frequency of sex chromatin and number of nucleoli in cells grown in tissue cultures from normal human subjects and human subjects with supernumerary x-chromosomes. Therkelsen AJ. Acta Pathol Microbiol Scand [A] 78:295-304, 1970
The Ensu scoring system in genetic counselling. Murphy EA. Ann Hum Genet 34:73-8, Jul 70
Studies on the incidence of karyotype 47, XYY. Hubner HL. Bull Pol Med Sci Hist 14:102-7, Jul 71
Ethnic variations in incidence of the XYY anomaly. McWhirter K. J Hered 61:192, Sep-Oct 70
Screening of newborn infants for abnormalities of the Y chromosome. Greensher A, et al. J Pediatr 79:305-6, Aug 71
The XYY anomaly. Griffiths AW. Med Sci Law 11:73-6, Apr 71
Studies on X-chromosome aneuploidy at the Faribault State School. Bruhl HH, et al. Minn Med 53:1005-6, Sep 70

PHYSIOPATHOLOGY

The EEG and sex chromosome abnormalities. Fenton GW, et al. Br J Psychiatry 119:185-90, Aug 71
Clinical significance of Y chromosome anomalies. Masterson J. J Ir Med Assoc 64:191-3, 8 Apr 71
Electrocardiogram in males with the 47,XYY karyotype. Char F, et al. Lancet 1:1242, 12 Jun 71

PREVENTION & CONTROL

Fetal quality control in pregnancies with high risk for genetic disorders. Barakat BY, et al. Fertil Steril 22:409-15, Jul 71

VETERINARY

A case of intersexuality in the horse with type 2A+XXXY chromosome formula. Gluhovschi N, et al. Br Vet J 126:522-5, Oct 70
Intersexes and sex determination in chickens. Abdel-Hameed F, et al. Science 172:962-4, 28 May 71
[X-trisomy in cattle with signs of familial disposition for meiotic disturbances] Rieck GW, et al. Cytogenetics 9:401-9, 1970 (Ger)

SEX CHROMOSOMES (A11)

Two-gene hypothesis for hairy pinnae of the ear. Rao DC. Acta Genet Med Gemellol (Roma) 19:448-53, Jul 70
X-autosome translocations in the mouse: total inactivation versus partial inactivation of the X chromosome. Eicher EM. Adv Genet 15:175-259, 1970 (121 ref.)
Isochromosome X. Scott WA. Ala J Med Sci 7:313-7, Jul 70
Sex chromosome mosaicism in male pseudohermaphrodism. Ferrier PE, et al. Am J Dis Child 120:566-7, Dec 70 (51 ref.)
Fluorescing structures of human metaphase chromosomes. Detection of "Y body". Cervenka J, et al. Am J Hum Genet 23:317-24, May 71
The XY female. Dewhurst CJ. Am J Obstet Gynecol 109:675-88, 1 Mar 71 (13 ref.)
An XY human female with ovaries. Kadotani T, et al. Am J Obstet Gynecol 110:98-102, 1 May 71
Fluorescence of the Y chromosome: a rapid test to determine fetal sex. Khudr G, et al. Am J Obstet Gynecol 110:1091-5, 15 Aug 71
X-linked coiobomatous microphthalmos and other congenital anomalies. A disorder resembling Lenz's dysmorphogenetic syndrome. Goldberg MF, et al. Am J Ophthalmol 71:1128-33, May 71
The influence of sex-chromosome genes on tooth size in man: a genetic and quantitative study. Alvesalo L. Am J Orthod 60:420, Oct 71
Intestinal iron-transport defect in the mouse with sex-linked anemia. Manis J. Am J Physiol 220:135-9, Jan 71
Identification of a structurally abnormal Y chromosome. Fraccaro M, et al. Ann Genet (Paris) 14:53-4, Mar 71
Three dicentric Y chromosomes. Angeli R, et al. Ann Hum Genet 34:39-50, Jul 70
The analysis of X-linkage. Edwards JH. Ann Hum Genet 34:229-50, Feb 71
Fluorescent evidence for spermatocytes with two Y chromosomes in an XYY male. Hultén M, et al. Ann Hum Genet 34:273-6, Feb 71
Y chromosome fluorescence in buccal mucosa cells: a study on a newborn population. Robinson J. Ann Hum Genet 35:61-5, Jul 71
Identification of the Anopheles gambiae complex in Nigeria by larval and adult chromosomes. Service MW. Ann Trop Med Parasitol 64:131-6, Jun 70
Congenital hypertrophic pyloric stenosis in phenotypic female twins with X-XX mosaicism. Van der Horst R, et al. Arch Dis Child 46:554-6, Aug 71
A sex-limited serum protein variant in the mouse: hormonal control of phenotypic expression. Passmore HC, et al. Biochem Genet 5:201-9, Apr 71
Placental transport of iron in X-linked anaemia of mice. Dancis J, et al. Br J Haematol 19:573-8, Nov 70
Y chromosomes and quinacrine fluorescence technique. Atkin NB. Br Med J 4:118, 10 Oct 70
An XYY individual of average height. Kahn J, et al. Br Med J 3:521, 28 Aug 71
Y-fluorescence of interphase nuclei, especially circulating lymphocytes. Polani PE, et al. Br Med J 1:138-42, 16 Jan 71
Small drumsticks and long Y chromosomes. Ricci N, et al. Br Med J 1:346-7, 6 Feb 71
Further studies on the cell populations of an intersex horse. Basrur PK, et al. Can J Comp Med 34:294-8, Oct 70
Paracentric inversions and detection of sex linked recessive lethals in Aedes aegypti. Bhalla SC. Can J Genet Cytol 12:635-50, Sep 70
Two useful sex-linked mutants in the flour beetle, Tribolium confusum. Dawson PS. Can J Genet Cytol 12:197-8, Mar 70
Multiple sex chromosomes and configuration polymorphism in the Monochamus scutellatus-oregonensis complex (Coleoptera: Cerambycidae). Lanier GN, et al. Can J Genet Cytol 12:947-51, Dec 70
Ring-like configurations of nonring chromosomes in Drosophila melanogaster. Moore CM. Can J Genet Cytol 13:164-6, Mar 71
Studies on Drosophila pallidipennis Dobzhansky and Pavan. I. Introductory survey. Chromosomes. Pasteur G, et al. Can J Genet Cytol 13:29-41, Mar 71
Chromatin patterns in fishes with emphasis on sexual dimorphism. Gee PA, et al. Can J Zool 48:1283-6, Nov 70
Rapid Y chromosome identification in human blood smears. Conen PE, et al. Can Med Assoc J 104:925-6, 22 May 71
Another XYY case in a prison population. Joneja MG, et al. Can Med Assoc J 104:424-5, 6 Mar 71
Localization of repetitive DNA in the chromosomes of Microtus agrestis by means of in situ hybridization. Arrighi FE, et al. Chromosoma 32:224-36, 1970
Sex chromosomal polymorphism in the earwig Forficula. Henderson SA. Chromosoma 31:139-64, 1970
Inter-population sex chromosome polymorphism in the grasshopper Podisma pedestris. I. Fundamental facts. John B, et al. Chromosoma 31:291-308, 1970
Meiosis in the male mouse. An autoradiographic investigation. Kofman-Alfaro S, et al. Chromosoma 31:404-20, 1970
Meiosis in the Djungarian hamster. I.General pattern of male meiosis. Pogosianz HE. Chromosoma 31:392-403, 1970
Evolution of sex-chromosomes and formation of W-chromatin in snakes. Ray-Chaudhuri SP, et al. Chromosoma 33:239-51, 1971
Application of the differential reactivity to human X-chromosomes. Shiraishi Y. Chromosoma 34:88-93, 1971
Multiple sex-chromosomes in the common Indian krait, Bungarus caeruleus Schneider. Singh L, et al. Chromosoma 31:386-91, 1970
The behaviour of chromosomal axes in Searle's X-autosome translocation. Solari AJ. Chromosoma 34:99-112, 1971
The discriminating fluorescence patterns of the chromosomes of Drosophila melanogaster. Vosa CG. Chromosoma 31:446-51, 1970
Karyotypes and meiotic mechanisms of some Eumastacid grasshoppers from East Africa, Madagascar, India and South merica. White MJ. Chromosoma 30:62-97, 1970
Asymmetry of heteropycnosis in tetraploid cellsof a grasshopper. White MJ. Chromosoma 30:51-61, 1970
Deletions of the X chromosomes in Microtus agrestis cells in vitro. Cooper JE, et al. Cytogenetics 9:468-84, 1970
Sexual dimorphism in somatic interphase nuclei of snakes. Ray-Chaudhuri SP, et al. Cytogenetics 9:410-23, 1970
Reinvestigation of meiosis in the male goat, Capra hircus, Linn., with special reference to chiasma formation in the sex and autosomal bivalents. Datta M. Cytologia (Tokyo) 35:344-53, Sep 70
Fine structure of kinetochore in Indian muntjac. Comings DE, et al. Exp Cell Res 67:97-110, Jul 71
Parallel evolution of multiple sex-chromosome systems in the phyllostomatid bats. Carollia and Choeroniscus. Patton JL, et al. Experientia 27:105-6, 15 Jan 71
A new interpretation of the sex determining

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mechanism of the European earwig, Forficula auricularia. Webb GC, et al. Experientia 26:1387-9, 15 Dec 70

Lack of association between color blindness and alcoholism. Riffenburgh RS, et al. Eye Ear Nose Throat Mon 49:240-2, May 70

Effects of pH on the migration of X and Y sperm. Diasio RB, et al. Fertil Steril 22:303-5, May 71

Chromosomes of Callithricidae with special reference to an XX-'XO' sex chromosome system in Goeldi's marmoset (Callimico goeldii Thomas 1904). Hsu TC, et al. Folia Primatol (Basel) 13:183-95, 1970

Controlling elements in the mouse X-chromosome. II. Location in the linkage map. Cattanach BM, et al. Genet Res 15:183-95, Apr 70

On X inactivation in XO embryos of mammals. Chandra HS. Genet Res 16:233-4, 2 Oct 70

Chromosomal basis of dosage compensation in Drosophila. II. The DNA replication patterns of the male X-chromosome in an autosome--X insertion in D. melanogaster. Lakhotia SC. Genet Res 15:301-7, Jun 70

An analysis of white-mottled mutants in Drosophila hydei, with observations on X-Y exchanges in the male. Breugel FM. Genetica 41:589-625, 1970

Genetic analysis of the aberrant behavior of an X-chromosome duplication in the germ line of Drosophila melanogaster males. Gabay SJ, et al. Genetics 65:249-65, Jun 70

Linkage modifications and sex difference in recombination. Nei M. Genetics 63:681-99, Nov 69

Sperm competition and sperm loss in Drosophila melanogaster females fertilized by YXY-O males. Olivieri G, et al. Genetics 64:323-35, Feb 70

The effects of low temperature and aging on nondisjunction in Drosophila. Tokunaga C. Genetics 65:75-94, May 70

Aspects of low-temperature-induced meiotic nondisjunction in Drosophila females. Tokunaga C. Genetics 66:653-61, Dec 70

Large Y and enlarged short arms of a small acrocentric chromosome. Nielsen J. Hereditas 61:416-21, 1969

A strongly fluorescing abnormal chromosome in a malformed child. Bühler EM, et al. Humangenetik 12:64-6, 1971

Y-body in hair roots. Schwinger E, et al. Humangenetik 12:79-80, 1971

Some cytogenetic aspects of intersexuality in the bovine. Kieffer M, et al. J Anim Sci 32:1219-28, Jun 71

X-chromosome linked inheritance of elevated thyroxine-binding globulin in association with goiter. Shane SR, et al. J Clin Endocrinol Metab 32:587-94, May 71

Detection of carriers of classic hemophilia using an immunologic assay for antihemophilic factor (factor 8(). Zimmerman TS, et al. J Clin Invest 50:255-8, Jan 71

Notes on gametogenesis in the firebrat. Kankrlik J, et al. J Hered 60:335-6, Nov-Dec 69

Genetic control of the immune response in mice. 3. An association between H-2 type and reaction to H-Y. Gasser DL, et al. J Immunol 106:875-6, Mar 71

The "Y Y" syndrome. Roy C. J Indian Med Assoc 54:481-2, 16 May 70

A family with a large Y chromosome. el-Alfi OS. J Med Genet 7:37-40, Mar 70

Xq- Turner's syndrome: reconsideration of hypothesis that Xp- causes somatic features in Turner's syndrome. Hecht F, et al. J Med Genet 7:1-4, Mar 70

Inherited pericentric inversion of a human Y chromosome in trisomic Down's syndrome. Sparkes RS, et al. J Med Genet 7:59-62, Mar 70

Congenital adrenal hypoplasia--an X-linked disease. Weiss L, et al. J Med Genet 7:27-32, Mar 70

The detection of carriers of X-linked muscular dystrophy genes. A review of some methods studied in Newcastle upon Tyne. Gardner-Medwin D, et al. J Neurol Sci 13:459-74, Aug 71

Unusual Turner mosaicism (45,X-47,XXX;45,X-46,XXq|;45,X-46,XXr): detection through deceleration from normal linear growth or secondary amenorrhea. Hsu LY, et al. J Pediatr 79:276-81, Aug 71

Sex proportion of domestic chicken at 16 hours of incubation. Fechheimer NS, et al. J Reprod Fertil 23:365-7, Nov 70

XYY syndrome. Stenchever M, et al. JAMA 215:798, 1 Feb 71

Quinacrine mustard staining solves the length variations of the human Y chromosome. Laberge C, et al. Johns Hopkins Med J 128:79-83, Feb 71

Pathologic lysosomes and increased urinary glycosylceramide excretion in Fabry's disease. Studies on a family with evidence of linkage with the sex-linked blood group Xg. Malmqvist K, et al. Lab Invest 25:1-14, Jul 71

Non-fluorescent Y chromosome. Borgaonkar DS. Lancet 1:1017, 15 May 71

Fluorescence and Y translocation in XX males. Breg WR, et al. Lancet 1:1241-2, 12 Jun 71

XYY and crime. Davis RJ, et al. Lancet 2:1086, 21 Nov 70

The Y chromosome in sperm of an XYY male. Diasio RB, et al. Lancet 2:1318-9, 19 Dec 70

X g and X chromosome inactivation. Ducos J, et al. Lancet 2:219-20, 24 Jul 71

Low testosterone-binding protein: possible Y-linked trait. Gross H, et al. Lancet 1:346-7, 13 Feb 71

Testosterone-binding protein probably not Y-linked. Hecht F, et al. Lancet 1:1300, 19 Jun 71

Dyeing the Y chromosome. Lewin PK, et al. Lancet 1:596, 20 Mar 71

Hormone levels in men with extra Y chromosomes. Lundberg PO, et al. Lancet 2:1133, 28 Nov 70

Growth hormone in XYY men. Nielsen J, et al. Lancet 2:1363, 26 Dec 70

Effect of Y chromosome on fetal growth-rate. Ounsted C, et al. Lancet 2:857-8, 24 Oct 70

Testing the hypothesis of Y translocation in XX males by fluorescence microscopy after quinacrine-dihydrochloride staining. Philip J, et al. Lancet 1:298, 6 Feb 71

Y chromosome fluorescence in bloodstains. Phillips AP, et al. Lancet 2:371-2, 14 Aug 71

Banding patterns of metaphase chromosomes in Down's syndrome. Ridler MA. Lancet 2:354-6, 14 Aug 71

Sex-linked ichthyosis in XO gonadal dysgenesis. Solomon IL, et al. Lancet 1:1304-5, 19 Jun 71

Fluorescent bodies in maternal circulation. Zimmerman A, et al. Lancet 1:1305, 19 Jun 71

Where have all the XYYs gone? Lancet 1:687, 3 Apr 71

Late-onset slowly progressive sex-linked recessive muscular dystrophy. Conomy JP. Milit Med 135:471-5, Jun 70

The relationship between first and second chromosome segregation ratios from Drosophila melanogaster males bearing segregation distorter. Denell RE. Mol Gen Genet 110:166-77, 1971

Genetic function correlated with unfolding of lampbrush loops by the Y chromosome in spermatocytes of Drosophila hydei. Hess O. Mol Gen Genet 106:328-46, 1970

Sperm competition in the Drosophila female. Johnsen RC, et al. Mol Gen Genet 110:36-9, 1971

Induction of sex chromosome nondisjunction by elevated temperature. Grell RF. Mutat Res 11:347-9, Mar 71

Heterologous interchange at meiosis in Drosophila. 3. Interchange-mediated nondisjunction. Parker DR, et al. Mutat Res 9:273-86, Mar 70

Coordinate nondisjunction of Y and fourth chromosomes in irradiated compound-X female Drosophila. Parker DR. Mutat Res 9:307-22, Mar 70

Determination of "Y body" from hair-root sheaths of males. Cervenka J, et al. N Engl J Med 284:856-7, 15 Apr 71

Genetic aspects of misbehavior. Hartshorn MA. N Engl J Med 283:1056, 5 Nov 70

Genetic aspects of misbehavior. Hook EB. N Engl J Med 283:1056, 5 Nov 70

Directed genetic change model for X chromosome inactivation in eutherian mammals. Cooper DW. Nature (Lond) 230:292-4, 2 Apr 71

X chromosome inactivation studied by injection of a single cell into the mouse blastocyst. Gardner RL, et al. Nature (Lond) 231:385-6, 11 Jun 71

Y heterochromatin and XX males. George KP, et al. Nature (Lond) 228:1215-6, 19 Dec 70

Non-random inactivation of the X chromosome in the female mule. Hamerton JL, et al. Nature (Lond) 228:1322-3, 26 Dec 70

Presumptive X monosomy in black rats from Malaya. Hoi-Sen Y. Nature (Lond) 232:484-5, 13 Aug 71

Is inactivation of the X chromosome in the female mule non-random? Mukherjee BB, et al. Nature (Lond) 228:1321-2, 26 Dec 70

Late DNA replication in the paternally derived X chromosome of female kangaroos. Sharman GB. Nature (Lond) 230:231-2, 26 Mar 71

Use of the Y chromosome in prenatal sex determination. Shettles LB. Nature (Lond) 230:52-3, 5 Mar 71

Multiple sex chromosomes in a Mexican cyprinodontid fish. Uyeno T, et al. Nature (Lond) 231:452-3, 18 Jun 71

Still more light on human chromosomes. Nature (Lond) 230:145, 19 Mar 71

Sex chromosomes turned off. Nature (Lond) 230:276, 2 Apr 71

Asynchronous DNA synthesis in a duplicated chromosomal region of Drosophila melanogaster. Bender HA, et al. Nature [New Biol] 231:217-9, 16 Jun 71

Phosphoglycerate kinase polymorphism in kangaroos provides further evidence for paternal X inactivation. Cooper DW, et al. Nature [New Biol] 230:155-7, 31 Mar 71

Lighting up human genetics. Nature [New Biol] 229:225, 24 Feb 71

Sex-linked inheritance of spatial ability. Hartlage LC. Percept Mot Skills 31:610, Oct 70

Cytological and biochemical correlation of late X-chromosome replication and gene inactivation in the mule. Cohen MM, et al. Proc Natl Acad Sci USA 68:544-8, Mar 71

Lack of intercellular suppression of position-effect variegation by supernumerary Y chromosomes during cell differentiation in Drosophila melanogaster. Gearhart JD, et al. Proc Natl Acad Sci USA 68:13-5, Jan 71

Expression of two X-linked genes in human hair follicles of double heterozygotes. Goldstein JL, et al. Proc Natl Acad Sci USA 68:1425-7, Jul 71

Genetic dissection of the Drosophila nervous system by means of mosaics. Hotta Y, et al. Proc Natl Acad Sci USA 67:1156-63, Nov 70

Mitotic separation of two human X-linked genes in man--mouse somatic cell hybrids. Miller OJ, et al. Proc Natl Acad Sci USA 68:116-20, Jan 71

Increasing the multiplicity of ribosomal RNA genes in Drosophila melanogaster. Tartof KD. Science 171:294-7, 22 Jan 71

Quinacrine mustard--a selective fluorescent stain for the Y chromosome in human tissues for routine cytogenetic screening. George KP. Stain Technol 46:34-6, Jan 71

Reuse of chromosome preparations for fluorescent staining. Rowley JD, et al. Stain Technol 46:97-9, Mar 71

The influence of sex-chromosome genes on tooth size in man. A genetic and quantitative study. Alvesalo L. Suom Hammastiaak Toim 67:3-54, 1971

X-linked recessive fundus dystrophies and their carrier states. Bird AC, et al. Trans Ophthalmol Soc UK 90:127-38, 1970

Effect of sex-linked genes on body size and reproduction. Jaap RG. Worlds Poult Sci J 27:281-2, Jul-Sep 71

[C-G translocation: karyotype 46, XY,t(Cq-; Gq+): parents 46, XX and 46, XY] Lambotte C, et al. Acta Paediatr Belg 25:119-26, 1971 (Fre)

[XYY syndrome] Mendlewicz J, et al. Acta Psychiatr Belg 70:562-78, 1970 (177 ref.) (Fre)

[Glucose-6-phosphate dehydrogenase and genetics] Kissin C, et al. Ann Biol Clin (Paris) 28:369-76, 1970 (Fre)

[Primary testicular atrophy. Abnormal autoradiographic behavior of a short Y] Carlon N, et al. Ann Endocrinol (Paris) 31:1131-42, Nov-Dec 70 (Fre)

[Turner syndrome 45,X-46,XXq+] Quichaud J, et al. Ann Endocrinol (Paris) 31:1153-5, Nov-Dec 70 (Fre)

[Trisomy 21 and metacentric Y] Berger R, et al. Ann Genet (Paris) 13:187-9, Sep 70 (Fre)

[Congenital cardiac disease and 47,XYY karyotype. Study of Y chromosome replication] Emberger JM, et al. Ann Genet (Paris) 13:259-62, Dec 70 (Fre)

[Duplication of an X chromosome in a case of Turner's syndrome (45,X-46,XXp+)] Emerit I, et al. Ann Genet (Paris) 13:245-8, Dec 70 (Fre)

[Transmission of a small Y through 11 generations in a familial line] Genest P, et al. Ann Genet (Paris) 13:233-8, Dec 70 (Fre)

[True alternating hermaphroditism with XX karyotype. Apropos of a further case] Tourneur R, et al. Ann Med Interne (Paris) 121:1073-8, Dec 70 (Fre)

[XYY syndrome (2 cases)] Pasquier H, et al. Ann Med Psychol (Paris) 127:183-200, Jul 69 (Fre)

[Specific fluorescence of the Y chromosome, after staining with quinacrine, in somatic cells of Drosophila melanogaster in culture] Becker JL. C R Acad Sci [D] (Paris) 271:2131-3, 9 Dec 70 (Fre)

[Genetic determination of the sex of triploid individuals obtained by nuclear graft in the urodele Pleurodeles waltlii Michah] Leroux M, et al. C R Acad Sci [D] (Paris) 272:1526-8, 15 Mar 71 (Fre)

[Confirmation of the localization of the locus of phosphoglyceratekinase on the X chromosome by the method of human-mouse cellular hybridization] Picard JY, et al. C R Acad Sci [D] (Paris) 273:95-6, 5 Jul 71 (Fre)

[Expert testimony on chromosomes in penal matters] Dérobert L, et al. Med Leg Domm Corpor (Paris) 2:325-8, Oct-Dec 69 (Fre)

[Expert testimony on chromosomes in penal matters] Heuyer G. Med Leg Domm Corpor (Paris) 2:329, Oct-Dec 69 (Fre)

[A peculiar form of granulocytic leukemia in the male: prolonged development and the presence of the Philadelphia chromosome, with the loss of Y chromosome in the myeloid cells (apropos of 3 cases)] Bauters F, et al. Nouv Rev Fr Hematol 10:697-707, Nov-Dec 70 (Fre)

[Structural abnormalities and role of the Y chromosome in man] Devictor-Vuillet M, et al. Pathol Biol (Paris) 19:231-49, Mar 71 (Fre)

[A new case of XYY syndrome] Streiff F, et al. Presse Med 78:1843, 10 Oct 70 (Fre)

[Study of aneuploidy observed in blood and marrow cultures in relation to the number and length of chromosomes of each group and the age and sex of the patients] Cadotte M, et al. Union Med Can 99:2003-7, Nov 70 (Fre)

[Karyotype and sex chromatin of the African elephant (Loxodonta africana)] Thürig D. Acta Anat (Basel) 75:6-12, 1970 (Ger)

[Pairing behaviour of the sex chromosomes during male meiosis of Microtus agrestis] Zenzes MT, et al. Chromosoma 33:41-7, 1971 (Ger)

[Mechanisms of polyploidization and somatic reduction] Pera F. Ergeb Anat Entwicklungsgesch 43:3-112, 1970 (Ger)

[Studies of defining the arm ratio of the late replicating

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

X-chromosome in man] Back F, et al.
Humangenetik 12:302-15, 1971 (Ger)
[Analysis of the length variation in the human Y chromosome by aids of the quinacrine fluorochrome method] Schnedl W.
Humangenetik 12:188-94, 1971 (Ger)
[Serum protein -(Xh)-changes in pregnancy and use of ovulation inhibitons in women and men] Geserick G, et al. Zentralbl Gynaekol 92:1195-200, 12 Sep 70 (Ger)
[The importance of the Xg blood group in human genetics] Gardó S, et al.
Orv Hetil 112:263-5, 31 Jan 71 (Hun)
[Sex in triploids of Discogiossus pictus] Farina E. Acta Embryol Exp (Palermo) 1:21-30, 1971 (Ita)
[2 cases of Turner's syndrome with diverse chromosome patterns; one 44 A-XO, the other 44 A-XisoX on the long arms] Giovannucci ML, et al.
Haematologica 54:763-94, 1969 (Ita)
[Results of a systematic study for the identification of 47, XYY chromosome abberation] De Toni E, et al.
Minerva Pediatr 23:697-722, 21 Apr 71 (Ita)
[Chromosome studies of germ cells in male infertility] Takagi K. Jap J Urol 62:78-88, Jan 71 (Jap)
[Determination and differentiation of sex] Boczkowski K. Pediatr Pol 45:1403-11, Nov 70 (Pol)
[Studies on the incidence of 47, XYY karyotype] Hübner H. Pol Tyg Lek 26:701-3, 10 May 71 (Pol)
[Relation of gene dose to synthesis of macromolecules in animals] Gvozdev VA.
Izv Akad Nauk SSSR [Biol] 4:499-507, Jul-Aug 70 (Rus)
[Chromosome sets of Greenland, Caspian and Baikal seals and some problems of the evolution of true seals] Anbinder EM. Tsitologiia 13:341-7, Mar 71 (Rus)
Sex heteromorphism of chromosomes in Lacerta strigata] Ivanov VG, et al.
Tsitologiia 12:1582-5, Dec 70 (Rus)
[X-chromosome polymorphism in the Djungarian hamster] Radzhabli SI, et al.
Tsitologiia 13:790-7, 1971 (Rus)
[Functional morphology of mammalian chromosomes in cultured cells. 3. X-chromosomes in short-term diploid and long-term aneuploid Chinese hamster cell cultures] Zakharov AF.
Tsitologiia 12:1361-8, 1970 (Rus)
[Mutability of the functional morphology of the X-chromosomes in long-term cultures of Chinese hamster cells] Zakharov AF, et al.
Tsitologiia 13:745-51, 1971 (Rus)
[Functional morphology of the chromosomes of cultivated mammalian cells. IV. Nucleolus-organizing region of the X-chromosomes of the Chinese hamster in long-term cultures of somatic cells] Zakharov AF, et al. Tsitologiia 12:1489-96, Dec 70 (Rus)
[Ultrastructure of the X-Y pair in rat and its relation to the nucleolus] Ureña F, et al.
Rev Soc Argent Biol 45:168-73, Aug-Nov 69 (Spa)
[Translocation D-F and pericentric inversion of the Y chromosome in a boy (46, Xinv(Yp+q-),D-,t(?13qF?)+) son of a father 46, Xinv(Yp+q-) and of a mother 46, XX, t(?13q;F?+)] Baguena Candela R, et al.
Sangre (Barc) 15:461-75, 1970 (Spa)
[Morphology of bivalent sex chromosomes during meiosis I in mammals] Egozcue J.
Sangre (Barc) 16:110-7, 1971 (Spa)

ABNORMALITIES

Persistent Salmonella infection in a female carrier for chronic granulomatous disease. Moellering RC Jr, et al. Ann Intern Med 73:595-601, Oct 70

ANALYSIS

Observations on the Xe human globulin group system. Jaegermann K, et al. Acta Med Pol 11:375-82, 1970
Autoradiographic studies of the human Y chromosome. Craig AP, et al. Chromosoma 32:364-77, 16 Mar 71
Fluorescence pattern of a dicentric Y. Bühler EM, et al. Humangenetik 12:170-2, 1971
Non-fluorescence of the Y-chromosome. Retief AE, et al. Lancet 2:270-1, 31 Jul 71
Fluorescent bodies in maternal circulation. Zimmerman A, et al. Lancet 1:1305, 19 Jun 71
Quinacrine fluorescence of the human Y chromosome. Borgaonkar DS, et al. Nature (Lond) 230:52, 5 Mar 71
Identification of Y and X chromosomes in amniotic fluid cells. Rook A, et al.
Nature (Lond) 230:53, 5 Mar 71
Identification of an unusual Y chromosome in YY mosaicism by quinacrine fluorescence. Wilson MG, et al. Nature (Lond) 231:388-9, 11 Jun 71
Distinctive fluorescence of quinacrine-labelled human G group chromosomes. Breg WR, et al.
Nature [New Biol] 231:276-7, 30 Jun 71
Distinglishing between X, Y and YY-bearing human spermatozoa by fluorescence and DNA content. Sumner AT, et al.
Nature [New Biol] 229:231-3, 24 Feb 71
Karyotypic analysis of the X-cell in the human placenta. Kim CK, et al. Obstet Gynecol 37:72-82, Jan 71
[Determination of male nuclear sex in human blood cells] Mende S, et al.
Dtsch Med Wochenschr 96:1122 passim, 25 Jun 71 (Ger)
[Biochemical, histological and clinical findings in a four-year-old female carrier of benign X-linked muscular dystrophy (Becker type)] Moser H.
Humangenetik 11:328-35, 1971 (Ger)
[Fluorescent microscopy detection of human Y-chromosome in interphase nuclei using acridine derivatives ("atebrin", "acranil")] Majewski F, et al.
Klin Wochenschr 49:814-8, 15 Jul 71 (Ger)
[Specific staining of 6 chromosome in a Y body] Romer TE. Endokrynol Pol 22:163-5, 1971 (Pol)

ANATOMY & HISTOLOGY

Quinacrine fluorescence in mammalian chromosomes. Pearson PL, et al. Nature (Lond) 231:326-9, 4 Jun 71

DRUG EFFECTS

Genetic effects of organic mercury compounds. II. Chromosome segregation in Drosophila melanogaster. Ramel C, et al. Hereditas 61:231-54, 1969
Genetic deletions at specific loci by polycyclic hydrocarbons in relation to carcinogenesis. Fahmy OG, et al. Int J Cancer 6:250-60, 15 Sep 70
The genetic effects of mitomycin C in Drosophila melanogaster. I. Induced mutations and X-Y chromosomal interchanges. Schewe MJ, et al.
Mutat Res 12:255-67, Jul 71
Latent meiotic anomalies related to an ancestral exposure to a mutagenic agent. Lavappa KS, et al. Science 172:171-4, 9 Apr 71
[Puffs induced by rhodanide and a puff model for determining damage to enzymes by drugs] Sakharova MN, et al.
Dokl Akad Nauk SSSR 196:1217-20, 11 Feb 71 (Rus)

IMMUNOLOGY

Necessity of the spleen for balanced secondary sex ratios following maternal immunization with male antigen. Lappé M, et al.
Transplantation 11:491-5, May 71

METABOLISM

Studies of skin fibroblasts from 10 families with HGPRT deficiency, with reference to X-chromosomal inactivation. Migeon BR.
Am J Hum Genet 23:199-210, Mar 71
Differential DNA replication in the XX and XY cells of Musca domestica L. ocra strain. Jan KY, et al.
Can J Genet Cytol 12:461-73, Sep 70
Absence of differential RNA synthesis by the X chromosomes of cow leucocytes. Mann K, et al.
Can J Genet Cytol 12:44-51, Mar 70
Quantitative tritium autoradiography of mammalian chromosomes. II. The kinetics of DNA synthesis in individual chromosomes of Chinese hamster fibroblasts. Stubbiefield E, et al.
Chromosoma 31:79-90, 1970
The somatic chromosomes of the small Indian mongoose: autoradiographic analysis of an unbalanced translocation heterozygote. Cohen MM, et al. Cytogenetics 9:173-85, 1970
Replication of the mouse sex chromosomes early in the S period. Nesbitt MN, et al. Cytogenetics 9:212-21, 1970
DNA synthesis in duplicate-type sex chromosomes of the Indian house shrew, Suncus murinus (Insectivora). Rao SR, et al.
Cytogenetics 9:384-95, 1970
The incorporation of tritiated arginine by chromosomal proteins of the human lymphocyte. Chernick B, et al.
Exp Cell Res 50:257-64, May 68
Quantitative autoradiographic analysis of rates of DNA synthesis in X-chromosomes of bovine females. Wright WC, et al. Exp Cell Res 65:138-42, Nov 70
Autoradiographic studies on DNA synthesis in sex chromosomes of five-striped squirrel, Funambulus pennanti Wroughton. Sharma VK, et al.
Indian J Exp Biol 8:249-54, Oct 70
Chromosomal basis of dosage compensation in Drosophila. 3. Early completion of replication by the polytene X-chromosome in male: further evidence and its implications. Lakhotia SC, et al.
J Cell Biol 47:18-33, Oct 70
DNA replication pattern of the Y chromosome in XYY and XXYY males. Borgaonkar DS, et al.
J Hered 61:35-6, Jan-Feb 70
Early DNA replication patterns of the normal sex chromosomes and presumptive X-autosome translocation in cattle (Bos taurus L). Gustavsson I.
Nature (Lond) 229:339-41, 29 Jan 71
Intra-uterine diagnosis of fetal sex. Greensher A, et al.
Pediatrics 48:159-60, Jul 71
[Y-chromosome loss as an aging manifestation] Dtsch Med Wochenschr 96:769, 23 Apr 71 (Ger)
[Late replicating X chromosome and sex chromatin frequency in man] Heil B.
Humangenetik 9:64-74, 1970 (Ger)

PHYSIOLOGY

Controlling elements in the mouse X-chromosome. 3. Influence upon both parts of an X divided by rearrangement. Cattanach BM.
Genet Res 16:293-301, Dec 70
Mutagenesis and cell interactions--site of Y-chromosome function in Drosophila melanogaster. Williamson JH. Mutat Res 10:503-6, Nov 70
Ethyl methanesulfonate-induced mutants in the Y chromosome of Drosophila melanogaster. Williamson JH. Mutat Res 10:597-605, Dec 70
[The problem of sex-chromatin negative cells] Schwarzacher HG, et al.
Z Anat Entwicklungsgesch 132:18-33, 1970 (Ger)

RADIATION EFFECTS

The influenmce of the temporal distribution of the x-ray dose on the induction of X-chromosomal nondisjunction and X-chromosome loss in oocytes of Drosophila melanogaster. Traut H.
Mutat Res 12:321-7, Jul 71
Cytological analysis of partial and total X-chromosome loss induced by x-rays in oocytes of Drosophila melanogaster. Traut H, et al.
Mutat Res 10:583-9, Dec 70

SEX DETERMINATION (E1, E5, G1)

see also related
SEX CHROMATIN (A11)

A simple method for prenatal determination of sex. Arendzen JH, et al.
Acta Cytol (Baltimore) 15:316-7, May-Jun 71
Fluorescing structures of human metaphase chromosomes. Detection of "Y body". Cervenka J, et al. Am J Hum Genet 23:317-24, May 71
X chromosome abnormalities and the obstetrician. The value of routine nuclear sexing of newborn infants. Harris JS, et al.
Am J Obstet Gynecol 109:574-83, 15 Feb 71
Fluorescence of the Y chromosome: a rapid test to determine fetal sex. Khudr G, et al.
Am J Obstet Gynecol 110:1091-5, 15 Aug 71
The interactive effects of maternal schizophrenia and offspring sex. Taylor MA, et al.
Biol Psychiatry 2:279-84, Jul 70
Adam and Eve. Federman DD. Calif Med 114:33-3, Jan 71
Sexual differentiation: the development of maleness and femaleness. Levine S. Calif Med 114:12-7, Jan 71
Rapid Y chromosome identification in human blood smears. Conen PE, et al.
Can Med Assoc J 104:925-6, 22 May 71
Parallel evolution of multiple sex-chromosome systems in the phyliostomatid bats. Carollia and Choeroniscus. Patton JL, et al. Experientia 27:105-6, 15 Jan 71
A new interpretation of the sex determining mechanism of the European earwig, Forficula auricularia. Webb GC, et al.
Experientia 26:1387-9, 15 Dec 70
Effects of pH on the migration of X and Y sperm. Diazio RB, et al. Fertil Steril 22:303-5, May 71
Chromosomes of Callithricidae with special reference to an XX-'XO' sex chromosome system in Goeldi's marmoset (Callimico goeldii Thomas 1904). Hsu TC, et al. Folia Primatol (Basel) 13:183-95, 1970
Sonless, a sex-ratio anomaly in Drosophila melanogaster resulting from a gene-cytoplasm interaction. Colaianne JJ, et al.
Genetics 65:819-25, Aug 70
Linkage modifications and sex difference in recombination. Nei M. Genetics 63:681-99, Nov 69
Cytogenetics of two radiation-induced, sex-linked translocations in the yellow-fever mosquito, Aedes aegypti. Rai KS, et al. Genetics 66:635-51, Dec 70
Cytogenetics and sex determination in man and mammals. Ford CE. J Biosoc Sci [Suppl] 2:7-30, May 70
Determination of sex of exfoliated epithelial cells and its significance in forensic science. Renard S. J Forensic Sci Soc 11:15-20, Jan 71
Notes on gametogenesis in the firebrat. Kankrilk J, et al. J Hered 60:335-6, Nov-Dec 69
Unreliability of fetal sexing using cervical material. Bobrow M, et al. Lancet 2:488, 28 Aug 71
Sex-chromatin fluorescence in human amniotic-fluid cells. Mukherjee AB, et al. Lancet 2:709-10, 25 Sep 71
Fluorescent bodies in maternal circulation. Zimmerman A, et al. Lancet 1:1305, 19 Jun 71
Where have all the XYYs gone? Lancet 1:687, 3 Apr 71
Y heterochromatin and XX males. George KP, et al.
Nature (Lond) 228:1215-6, 19 Dec 70
Sex determination in birds and mammals. Mittwoch U.
Nature (Lond) 231:432-4, 18 Jun 71
Identification of Y and X chromosomes in amniotic fluid cells. Rook A, et al.
Nature (Lond) 230:53, 5 Mar 71
Use of the Y chromosome in prenatal sex determination. Shettles LB.
Nature (Lond) 230:52-3, 5 Mar 71
Lighting up human genetics.
Nature [New Biol] 229:225, 24 Feb 71
Determination of fetal sex during the second trimester

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of pregnancy. A reliable culture method. Barakat BY, et al. Obstet Gynecol 37:134-40, Jan 71
Intra-uterine diagnosis of fetal sex. Greensher A, et al. Pediatrics 48:159-60, Jul 71
The carrier problem in progressive muscular dystrophy. Knight JO, et al. Proc Aust Assoc Neurol 7:85-8, 1970
Intersexes and sex determination in chickens. Abdel-Hameed F, et al. Science 172:962-4, 28 May 71
A male-producing strain of the house fly. McDonald IC. Science 172:489, 30 Apr 71
Sex predetermination: its impact on fertility. Markle GE, et al. Soc Biol 18:73-83, Mar 71
[Sex choice and sex determination] Froland A. Nord Med 84:1372-3, 22 Oct 70 (Dan)
[Sex determination] De la Chapelle A. Duodecim 87:645-56, 1971 (Fin)
[Assignment of sex?] Perheentupa J. Duodecim 87:177-80, 1971 (Fin)
[Fetomaternal transfusion of blood lymphocytes and identification of the sex of the fetus] Grouchy J de, et al. Ann Genet (Paris) 14:133-7, Jun 71 (Fre)
[Genetic determination of the sex of triploid individuals obtained by nuclear graft in the urodele Pleurodeles waltlii Michah] Leroux M, et al. C R Acad Sci [D] (Paris) 272:1536-8, 15 Mar 71 (Fre)
[Diagnostic use of sex chromatin] Bessas G, et al. Gynecol Prat 19:229-36, 1968 (Fre)
[Prenatal diagnosis of genetic diseases. Review of studies on amniotic fluid] Guibaud P, et al. Lyon Med 224:547-61, 8 Nov 70 (82 ref.) (Fre)
[The importance of androgens for sex differentiation] Neumann F. Berl Munch Tieraerztl Wochenschr 83:389-93, 15 Oct 70 (Ger)
[Influencing of sex in pedogenetically produced young larvae of heterogenetic gall midges] Pohlhammer K, et al. Naturwissenschaften 57:677, Dec 70 (Ger)
[The importance of sex determination in malformations of the urogenital system] Schönenberg H, et al. Urologe 9:285-9, Sep 70 (Ger)
[Possibility of identifying burned human bones with special reference to their weight] Malinowski A, et al. Zacchia 5:392-410, Jul-Sep 69 (Ger)
[On the cytology of amniotic fluid] Meroni P. Ann Ostet Ginecol 91:299-345, May 69 (Ita)
[Prenatal determination of fetal sex in the amniotic fluid. Notes on 140 determinations] Bellati U, et al. Minerva Ginecol 21:671-4, 31 May 69 (Ita)
[Determination and differentiation of sex] Boczkowski K. Pediatr Pol 45:1403-11, Nov 70 (Pol)
[Chromosomal studies and sex determination in children] Szczepski O, et al. Pediatr Pol 45:1033-40, Sep 70 (Pol)
[Dynamics of the sex chromatin test in the first days of life] Ciornea T, et al. Rev Med Chir Soc Med Nat Iasi 75:441-8, Apr-Jun 71 (Rum)
[Diagnostic value of laparoscopy in the determination of sex] Kushch NL, et al. Probl Endokrinol (Mosk) 16:41-3, May-Jun 70 (Rus)
[Determination of fetal sex by cytogenic examination of the amniotic fluid] Džikov Z, et al. God Zb Med Fak Skopje 16:75-9, 1970 (Ser)

VETERINARY

Sex chromatin and nuclear sexing in birds. Arora CL, et al. Cytologia (Tokyo) 35:601-8, Dec 70
Maturity and sexual dimorphism in the skull, mandible, and teeth of the beaked whale, Mesoplodon densirostris. Besharse JC. J Mammal 52:297-315, May 71

SEX DEVIATION (F2)

see also related
SEX OFFENSES (I)

Herodotus: observer of sexual psychopathology. (Herodotus), Bosenhaum CP, et al. Am Imago 28:71-8, Spring 71
Psychosexual disorders of young adulthood. Braiman A. Clin Obstet Gynecol 13:734-45, Sep 70
Psychological needs of homosexual pedophiliacs. Fisher G, et al. Dis Nerv Syst 31:623-5, Sep 70
Object-relationships in schizophrenia and perversion. Bak RC. Int J Psychoanal 52:235-42, 1971
The transitional object and the fetish with special reference to the role of illusion. Greenacre P. Int J Psychoanal 51:447-56, 1970
Fetishism: a case report. Lihn H. Int J Psychoanal 51:351-8, 1970
Factors in autofellatio formation. Orland F. Int J Psychoanal 52:289-96, 1971
Fetishism and exhibitionism in the female and their relationship to psychopathy and kleptomania. Zavitzianos G. Int J Psychoanal 52:297-305, 1971
A case study of the Charles Manson group marriage commune. (Manson C), Smith DE, et al. J Am Soc Psychosom Dent Med 17:99-106, 1970
Deviance as therapy: the paradox of the self-destructive female. Maris RW. J Health Soc Behav 12:113-24, Jun 71
Sex "deviation". Calderone MS. JAMA 217:1554, 13 Sep 71
"Normal" and "deviant" sexual behavior. Marmor J. JAMA 217:165-70, 12 Jul 71
From the medical examiner's files. Benson PA. Med Times 99:158, May 71
Psychiatric evaluation of the "sexual psychopath". Marcus EH. Med Trial Tech Q 17:83-8, Sep 70
Exhibitionistic M in drama majors: a validation. Wagner EE, et al. Percept Mot Skills 32:125-6, Feb 71
The phallic woman: The ubiquitous fantasy in perversions. Bak RC. Psychoanal Study Child 23:15-36, 1968
Perversions: general considerations regarding their genetic and dynamic background. Greenacre P. Psychoanal Study Child 23:47-62, 1968
[Phylogenetic and anthropological studies on communication through presentation of the male genitals] Wickler W. Bibl Psychiatr 147:122-37, 1971 (Ger)
[Perversion and the world of sound. The dynamics of perversion] Hermann I. Psyche (Stuttg) 24:827-40, Nov 70 (Ger)
[Psychopathology of sexual contacts with animals. 2 unique cases of sodomy] Bauer G, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:109-21, 1970 (Ger)
[Psychopathology of sexual contacts with animals. Two peculiar cases of sodomy] Bauer G, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:109-21, 1970 (Ger)
[Criminality and perversion as manifestation of super-ego isolation and inability to love. Studies on self confessions in the prose of Jean Genet] Rasper HO. Z Psychother Med Psychol 20:223-35, Nov 70 (Ger)
[On legal charges against sexually abnormal persons] Biondo G. Acta Neurol (Napoli) 25:395-403, May-Jun 70 (Ita)
[Critical disorders of sex behavior in temporal epilepsy] D'Agata G, et al. Rass Neuropsichiatr 22:191-204, Apr-Jun 68 (Ita)
[On some aspects of sexual perversions in various psychotic and neurotic syndromes] Failla E, et al. Rass Neuropsichiatr 22:397-407, Oct-Dec 68 (Ita)
["Sexual perversions": a "model" of their "psychiatric reduction" in the thought of V. Magnan] Lantéri-Laura G, et al. Sist Nerv 22:28-51, Jan-Feb 70 (Ita)
[Drug addiction and sexual deviation] Holmstedt Y. Nord Med 85:30-1, 7 Jan 71 (Swe)
[Organization of sex education for children and adolescents] Neshkov NS. Pediatr Akush Ginekol 5:25-6, Sep-Oct 70 (Ukr)

CLASSIFICATION

[A form of pedophilia resulting from sexual impression formation] Burian R. Psychiatr Neurol Med Psychol (Leipz) 22:249-53, Jul 70 (Ger)

COMPLICATIONS

"Sex" hangings in the female. Henny RC. Med Leg Bull 214:1-5, Feb 71
The investigation and treatment of disturbed gender identity in a young white female as a result of unusual genetic and psychogenic factors. Pearlman T, et al. S Afr Med J 44:1296-7, 14 Nov 70

DIAGNOSIS

The term "transvestism". Stoller RJ. Arch Gen Psychiatry 24:230-7, Mar 71

DRUG THERAPY

Cyproterone acetate in sexual misbehaviour. Davies TS. Med Sci Law 10:237, Oct 70
The hormonal treatment of sexual offenders. Field LH, et al. Med Sci Law 10:27-34, Jan 70
[Case of mysophilia] Roušal J, et al. Cesk Psychiatr 67:176-80, Jun 71 (Cze)
[Psychological stress as an indication criterion. Remarks on "medicamentous castration"] Horn HJ. Nervenarzt 42:312-6, Jun 71 (Ger)
[Antiandrogen therapy using cyproteron acetate in child and adolescent psychiatry. A review of prevailing experiences] Ritzel G. Prax Kinderpsychol Kinderpsychiatr 20:165-9, Jul 71 (Ger)

ETIOLOGY

[Paroxysmal sexual manifestations and temporal lobe epilepsy. Clinical, EEG and SEEG study of a case of epilepsy of tumoral origin] Bancaud J, et al. Rev Neurol (Paris) 123:217-30, Oct 70 (Fre)
[Genesis of perversions] Sachs H. Psyche (Stuttg) 25:287-97, Apr 71 (Ger)

HISTORY

Some historical notes on indecent exposure and exhibitionism. Rooth FG. Med Leg J 38:135-9, 1970

SURGERY

[Cure (?) of sexual deviations by Roeder's hypothalamotomy] Presse Med 79:102, 16 Jan 71 (Fre)

THERAPY

Sexual deviants two years after electric aversion. Marks I, et al. Br J Psychiatry 117:173-85, Aug 70
The resolution of a delusional hair fetish. Rappaport EA. Psychoanal Rev 57:617-31, Winter 70
[The physician and his erotomaniac patient (Contribution to the idea of cure by transference)] Haynal A. Ann Med Psychol (Paris) 1:57-64, Jan 71 (Fre)

SEX DIFFERENTIATION DISORDERS (C6, C16)

see also related
TRANSSEXUALISM (F2)

Clinical and cytogenetic studies in hypospadias. Aarskog D. Acta Paediatr Scand [Suppl] 203:Suppl 203:1+, 1970
Abnormal sexual differentiation. Dmowski WP, et al. Am Fam Physician 3:72-84, Feb 71
The XY female. Dewhurst CJ. Am J Obstet Gynecol 109:675-88, 1 Mar 71 (13 ref.)
Abnormalities of human sex chromosomes. 3. Duplication in the long arm of the Y chromosome (45,X-46,XYg+) in Y-gonadal dysgenesis. Morillo-Cucci G, et al. Ann Genet (Paris) 14:113-20, Jun 71
Uterus in a male. Mitra A, et al. Br Med J 3:645, 12 Sep 70
A clinical and cytogenetical study of XX male. Boczkowski K, et al. Hereditas 62:285-92, 1969
A case of XX male syndrome. Lisker R, et al. J Med Genet 7:394-8, Dec 70
Intersexuality and transsexuality. I. Cappon D. Postgrad Med 48:293-4, Oct 70
[The significance of sex chromatin in intersexuality and report of a case of a newborn infant] Damianova Ts, et al. Akush Ginekol (Sofiia) 8:441-5, 1969 (Bul)
[Sex choice and sex determination] Froland A. Nord Med 84:1372-3, 22 Oct 70 (Dan)
[Male hypogonadism] Verbeken-Soyez C. Acta Urol Belg 39:107-18, Jan 71 (Fre)
[Problems posed by sexual ambiguities at birth] Bernard R, et al. Therapeutique 47:157-9, Feb 71 (Fre)
[Main symptom--clitoris hypertrophy, and its treatment] Dapunt O. Wien Klin Wochenschr 82:566-8, 31 Jul 70 (Ger)
[Genesis of gynecologic malformations] Hartmann G. Wien Klin Wochenschr 82:529-32, 17 Jul 70 (Ger)
[On sex differentiation disorders] Benedetti A. Minerva Med 61:5432-45, 28 Nov 70 (Ita)
[Determination and differentiation of sex] Boczkowski K. Pediatr Pol 45:1403-11, Nov 70 (Pol)
[Morphology of the human testis and its relation to sexual differentiation and the feminizing testis] Grihó E. Rev Argent Endocrinol Metab 16:65-7, Jun 70 (Spa)

CHEMICALLY INDUCED

Aspects of androgen-dependent events as studied by antiandrogens. Neumann F, et al. Recent Progr Horm Res 26:337-410, 1970 (160 ref.)
[Anabolic steroids and pathology of sex development] Cruz M, et al. Cah Med 12:499-502, 15 May 71 (Fre)
[Androgenization of the female juvenile rat after treatment with HCG] Neumann HO, et al. Arch Gynaekol 209:416-9, 1971 (Ger)

COMPLICATIONS

[Gonadal tumors and intersexuality] Legeriotz C, et al. Geburtshilfe Frauenheilkd 31:523-35, Jun 71 (Ger)

DIAGNOSIS

The XY female child. Dewhurst CJ. Arch Dis Child 45:595-9, Aug 70
[Diagnosis and therapy of sexual development disorders in childhood] Stavratjev M, et al. Cesk Pediatr 26:33-41, Jan 71 (Cze)
[Value of cellioscopy in pediatric pathology] Rosenberg D, et al. Pediatrie 26:435-6, Jun 71 (Fre)
[Current prospectives of human cytogenetics and congenital genital pathology (current trends and personal observations)] Bovicelli L. Riv Ital Ginecol 53:647-88, Nov 69 (Ita)

ENZYMOLOGY

[Inborn errors of metabolism of the adrenal cortex] Leiba S, et al. Harefuah 78:177-83, 15 Feb 70 (Heb)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ETIOLOGY

Male external genitalia of a girl caused by a virilizing adrenal tumour in the mother. Case report and steroid studies. Mürset G, et al.
Acta Endocrinol (Kbh) 65:627-38, Dec 70
Sexual dimorphism and homosexual gender identity. Money J. Psychol Bull 74:425-40, Dec 70
[Anabolic steroids and pathology of the sexual development] Cruz M, et al.
Minerva Med 62:2580-4, 27 Jun 71 (Ita)
[Adrenal cortex in the fetus and the neonatal period] Aarskog D.
Tidsskr Nor Laegeforen 90:1952-9, 1 Nov 70 (21 ref.) (Nor)
[Metabolic effect of sex hormones--adrenal cortex hyperfunction] Bassoe HH.
Tidsskr Nor Laegeforen 90:1972-3, 1 Nov 70 (Nor)

FAMILIAL & GENETIC

[Structural abnormalities and role of the Y chromosome in man] Devictor-Vuillet M, et al.
Pathol Biol (Paris) 19:231-49, Mar 71 (Fre)
[Current trends in human cytogenetics and congenital genital pathology (re-evaluation of the problem and personal observations). II. Gonosomal abnormalities in female phenotypes. Gonosomal abnormalities in male phenotypes. Conclusions] Bovicelli L.
Riv Ital Ginecol 53:715-54, Dec 69 (Ita)
[Chromosomal studies and sex determination in children] Szczepski O, et al.
Pediatr Pol 45:1033-40, Sep 70 (Pol)
[Familial gonadal dysgenesis] Maximilian C, et al.
Stud Cercet Endocrinol 21:405-12, 1970 (46 ref.) (Rum)

IMMUNOLOGY

Androgenic activity and expression of the male-specific antigen in C57BL-6 mice of the Wv-Wv genotype. Vojtíšková M, et al.
Folia Biol (Praha) 17:200-3, 1971

OCCURRENCE

[Rhythm of frequency of sex chromatin in the newborn] Di Perna N, et al.
Boll Soc Ital Biol Sper 45:751-4, 15 Jun 69 (Ita)

PHYSIOPATHOLOGY

Pituitary-adrenal and related syndromes of childhood: effects on IQ and learning. Money J.
Progr Brain Res 32:295-304, 1970

RADIOGRAPHY

Pelvic pneumography in the diagnosis of endocrine and gynecologic disorders in children. Lippe BM, et al.
J Pediatr 78:779-87, May 71
Pelvic pneumoperitoneum in intersex disorders. Asymmetrical gonadal dysgenesis. McDonough PG, et al. Obstet Gynecol 37:368-71, Mar 71
[Genitography in intersexuality conditions: 86 cases] Fauré C, et al.
Ann Radiol (Paris) 12:259-77, 1969 (Mul)

SURGERY

[Surgical aspects of sexual ambiguities in children. Report of 60 cases] Pellerin D, et al.
Chirurgie 96:1005-27, Dec 70 (Fre)
[Surgical therapy of intersexual states] Minervini F, et al.
Arch Ital Pediatr Pueric 26:275-332, Jan-Apr 69 (31 ref.) (Ita)
[Gonadectomy in congenital sex differentiation disorders] Savitskif GA.
Sov Med 34:129-32, Jan 71 (Rus)
[Surgical therapy of some forms of intersex] Hudcovič A, et al. Cesk Gynekol 36:263-6, Jun 71 (Slo)

THERAPY

[Diagnosis and therapy of sexual development disorders in childhood] Stavratjev M, et al.
Cesk Pediatr 26:33-41, Jan 71 (Cze)
[Choice of sex role of perineal hypospadias] Pers M.
Nord Med 84:1367-71, 22 Oct 70 (Dan)

VETERINARY

Further studies on the cell populations of an intersex horse. Basrur PK, et al.
Can J Comp Med 34:294-8, Oct 70
Sexual dimorphism in beaver neutrophils. Larson JS, et al. J Mammal 52:212-5, Feb 71

SEX DISORDERS (C6)

Psychosexual disorders of young adulthood. Braiman A. Clin Obstet Gynecol 13:734-45, Sep 70
Psychosexual problems in obstetrics and gynecology. Foreword. Friederich MA.
Clin Obstet Gynecol 13:689-90, Sep 70
Antecedent sexual factors delaying recovery in compensation cases. Brodsky CM.
J Occup Med 12:299-303, Aug 70
[Consequences of the absence of sex education in Afghanistan] Khoshbeen AM.
Rev Neuropsychiatr Infant 18:853-61, Oct-Nov 70 (Fre)
["Sexual perversions": a "model" of their "psychiatric reduction" in the thought of V. Magnan] Lantéri-Laura G, et al.
Sist Nerv 22:26-51, Jan-Feb 70 (Ita)

COMPLICATIONS

Sexual dysfunction and associated psychitric disorders. Maurice WL, et al. Compr Psychiatry 11:539-43, Nov 70
Sexual dysfunction in diabetic females. Kolodny RC.
Diabetes 20:557-9, Aug 71

DIAGNOSIS

[Biochemistry of human seminal fluid. II. Fructose in the seminal fluid of pathologic subjects] Dondero F, et al. Folia Endocrinol (Roma) 23:551-8, Oct 70 (Ita)

DRUG THERAPY

Indications for therapy with progestational agents. Darragh A.
Bull Schweiz Akad Med Wiss 25:541-4, Oct 70
[Experience with a new neuroleptic, benperidol] Tanghe A, et al. Encephale 59:479-85, Sep-Oct 70 (Fre)
[Results of treatment of libido disorders in women] Gabele A. Z Allgemeinmed 47:866-8, 30 Apr 71 (Ger)

ETIOLOGY

Osteoarthrosis of the hip joint and sexual activity. Currey HL. Ann Rheum Dis 29:488-93, Sep 70
Nonspecific air pollution syndrome (NAPS). Preliminary report. LaVerne AA.
Behav Neuropsychiatry 2:19-21, Oct-Nov 70
Psychosexual problems of the middle years. Horn RE.
Clin Obstet Gynecol 13:746-55, Sep 70
A review of sexual function following spinal cord trauma. Weber DK, et al. Phys Ther 51:290-5, Mar 71
[Further pathogenetic and therapeutic remarks on sexual neurosis] Orlowski J.
Gynecol Prat 21:371-86, 1970 (Fre)
[Psychogenesis of sexual disturbances in women] Schumann HJ von.
Z Psychosom Med Psychoanal 16:353-7, Oct-Dec 70 (Ger)
[Sexual behavior in the Japanese males. 4. Sexual dysfunction following simple prostatectomy] Shirai M, et al. Jap J Urol 62:241-5, Mar 71 (Jap)
[Sexual disturbances after dissection of the aorta and the iliac vessels] Holmquist B, et al.
Nord Med 85:186, 11 Feb 71 (Swe)
[Sexual function after proctocolectomy] Hultén L, et al. Nord Med 86:889, 22 Jul 71 (Swe)

FAMILIAL & GENETIC

[Delay of absence of puberty?] König MP.
Rev Med Suisse Romande 90:261-6, Mar 70 (Fre)

PHYSIOPATHOLOGY

[Impotence and ejaculation disturbance] Eliasson R.
Nord Med 84:1242-3, 24 Sep 70 (Swe)

THERAPY

New therapy? Polenz JM.
Am J Psychiatry 127:844, Dec 70
The physician's role as counselor: when, where and how to make referrals. Nash EM.
Clin Obstet Gynecol 13:764-83, Sep 70
[Behavior therapy in phobias, compulsive neuroses, sexual disorders and addictions. Review] Dilling H, et al.
Fortschr Neurol Psychiatr 39:293-344, Jun 71 (271 ref.) (Ger)
[Combined single and group psychotherapy in functional sexual disorders] Schumann HJ von.
Med Monatsschr 24:538-42, Dec 70 (Ger)

SEX EDUCATION (I)

What adolescents want to know. Gordon S.
Am J Clin Pathol 55:534-5, Jan 71
Let's be sensible about sex education. Osofsky HJ, et al.
Am J Nurs 71:532-5, Mar 71
Pregnancy, the teenager and sex education. Connell EB, et al. Am J Public Health 61:1840-5, Sep 71
Teacher readiness for roles in family life education: an exploratory study. Kent RM, et al.
Am J Public Health 61:586-99, Mar 71
A sex counseling service for college students. Sarrel PM, et al. Am J Public Health 61:1341-7, Jul 71
Abortion or contraception? Wood W, et al.
Br Med J 3:476-7, Aug 71
Some psychiatric comments on the current move toward sex education programs in the schools. Brunstetter RW. Calif Med 112:7-12, May 70
Problems of teen-agers presented to obstetricians and gynecologists. Lamers WM Jr.
Clin Obstet Gynecol 13:727-33, Sep 70
Findings of the ACHA family life-sex education study. Hurster M. J Am Coll Health Assoc 19:116-20, Dec 70
Counseling wives with sexual problems. Mead BT.
J Am Osteopath Assoc 70:1346-9, Aug 71
Timing and sources of information about, and attitudes toward, menstruation among college females. Dunham FY. J Genet Psychol 117:295-17, Dec 70
Sex education in American medical schools. Cade JD, et al. J Med Educ 46:64-8, Jan 71
Sex education in medical schools. Jesse WF.
J Med Educ 46:684, Aug 71
Sex education in medical schools. Lief HI.
J Med Educ 46:373-4, Apr 71
Introducing a sex education course into the medical curriculum. Tyler EA. J Med Educ 45:1025-31, Dec 70
Sexual ignorance. Barad GS.
J Med Soc NJ 67:705-9, Nov 70
A comparsion of biblical views of sexuality (or; could they have read the same book?). Ruess CE.
J Sch Health 40:531-2, Dec 70
Sex education controversy--a boost to new and better programs. Report of a survey of education about human growth and development, family life, sex education in Kansas schools. Gendel ES, et al.
J Sch Health 41:24-8, Jan 71
Sex education in Texas public schools. Holcomb JD, et al. J Sch Health 40:583-6, Dec 70
Sweden's experiment in human sexuality and sex education. Hoyman HS. J Sch Health 41:172-84, Apr 71
Sex education: a county-wide approach. Kesling LM.
J Sch Health 40:544-5, Dec 70
Sex education in a ghetto school. Kleinerman G, et al.
J Sch Health 41:29-33, Jan 71
Introduction of sex education: an American school in Tunisia. Mueller EE. J Sch Health 41:376-83, Sep 71
Sex, the Bible and modern man. Young RD.
J Sch Health 40:527-31, Dec 70
Whose responsibility is sex education? Randall HB.
Med Arts Sci 23:19-24, 1969
Emerging needs of children. Edwards IS.
Med J Aust 1:659, 20 Mar 71
NAMH position statements on family life and sex education and marriage counselors. Family life and sex education. Ment Hyg 54:591-2, Oct 70
Study of sexuality in the nursing curriculum. Walker EG. Nurs Forum 10:18-30, 1971
Influence of intensive workshop on teachers' sex information and attitudes toward sex education. Fretz BR, et al.
Res Q Am Assoc Health Phys Educ 42:156-63, May 71
Sex education and family planning advice by South Dakota doctors. II. Family planning advice. Ranney B.
SD J Med 24:5-11, Jun 71
Sex education and family planning advice by South Dakota doctors. I. Sex education. Ranney B.
SD J Med 24:5 passim, May 71
Physicians and contraception: a study of perceptions and practices in an urban Southeastern United States community. Measham AR, et al.
South Med J 64:499-503, Apr 71
Sex education--but for what? Fox J.
Spec Educ 60:15-7, Jun 71
[Sexology--some remarks] Hertoft P.
Ugeskr Laeger 133:159-63, 29 Jan 71 (Dan)
[Sex education] Piraux P, et al.
Brux Med 50:945-6, Nov 70 (Fre)
[Consequences of the absence of sex education in Afghanistan] Khoshbeen AM.
Rev Neuropsychiatr Infant 18:853-61, Oct-Nov 70 (Fre)
[Sexuality, medical problem and task of the society] Soennecken F.
Oeff Gesundheitswes 33:299-301, May 71 (Ger)
[Report on sexual education in Basel elementary schools] Mattmüller-Frick F.
Prax Kinderpsychol Kinderpsychiatr 20:184-91, Jul 71 (Ger)
[Controversial points of view in the sexual pedagogics] Becker W. Ther Ggw 110:7-15, Jan 71 (Ger)
[Contraceptive counseling for the young] Kepp R, et al.
Ther Umsch 27:634-8, Oct 70 (Ger)
[The purpose of human nature and procreation. Teleological elements for sex education of the adolescent] Drago E.
Minerva Pediatr 22:2182-4, 3 Nov 70 (Ita)
[Sex education in pre-adolescence] Genchi I.
Minerva Pediatr 22:2216-7, 10 Nov 70 (Ita)
[Adolescence and sex education] Muramatsu H.
Sanfujinka Jissai 20:203-8, Mar 71 (Jap)
[The program of The Union of Socialist Doctors concerning health policy] Reitan JB.
Tidsskr Nor Laegeforen 91:1495, 10 Jul 71 (Nor)
[Importance of sex education in gynecologic and obstetrical practice] Díaz Bruzual A.
Rev Obstet Ginecol Venez 30:463-71, 1970 (Spa)
[New school sex education program]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sundström-Feigenberg K.
Lakartidningen 68:2083-5, 28 Apr 71 (Swe)
[Organization of sex education for children and adolescents] Neshkov NS.
Pediatr Akush Ginekol 5:25-6, Sep-Oct 70 (Ukr)

HISTORY

"Education for morality". Sex education--Victorian style. Veith I. Bull Menninger Clin 34:292-303, Sep 70

SEX FACTORS (N1)

Sex differences in the EEG of normal children and young persons aged 1 to 21 years. Eeg-Olofsson O, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:95+, 1970
Influence of training and sex on the isolation and control of single motor units. Zappalá A.
Am J Phys Med 49:348-61, Dec 70
Sex differences in brain deoxyribonucleic acid and cholinesterase activity in rats. Clark CV, et al.
Am J Physiol 220:1775-8, Jun 71
Cost-effectiveness of mental health care. II. Sex as a parameter of cost in the treatment of schizophrenia. May PR. Am J Public Health 60:2369-72, Dec 70
The influence of sex and environmental factors on the behaviour of the white laboratory rat. Hart M, et al.
Arch Int Pharmacodyn Ther 189:381-3, Feb 71
Sex differences in the DNA content of the rat liver, determined with the method of Ceriotti. Leeuwin RS.
Arch Int Pharmacodyn Ther 189:367-9, Feb 71
The female alcoholic. Sclare AB.
Br J Addict 65:99-107, Aug 70
The dyad grid: a modification of repertory grid technique. Ryle A, et al.
Br J Psychiatry 117:323-7, Sep 70
Quantitative immunoelectrophoresis of proteins in serum from a normal population: season-, age-, and sex-related variations. Lyngbye J, et al.
Clin Chem 17:495-500, Jun 71
Sex differences in the serum lipoprotein relations of normal persons and multiple sclerosis patients. Rieder HP, et al. Clin Chim Acta 30:305-10, Nov 70
Sexual differences in the biogenesis of the androgens by the adrenal cortex in rat. Askari HA.
Endocrinology 87:1377-80, Dec 70
Absence of alteration in puberal onset in male rats following amygdaloid lesioning. Reikin R.
Endocrinology 88:1272-4, May 71
Effects of age and sex on 3H-cortisol uptake, binding and metabolism in liver and on enzyme induction capacity. Singer S, et al.
Endocrinology 88:1448-57, Jun 71
Cancer death rates by site and sex for religious and socioeconomic groups in New York City. Seidman H.
Environ Res 3:234-50, Jul 70
The mechanism of sex differences in the anesthetic action of progesterone in rats. Kato R, et al.
Eur J Pharmacol 13:141-9, Jan 71
Age changes in the weight of the thyroid glands of swine from birth to eight years. Haensly WE, et al.
Exp Gerontol 5:203-11, Sep 70
Aspects of the determination of biphenyl hydroxylase activity in liver homogenates. II. Sex and species differences in the effect of mitochondria. Bachmann E, et al. Exp Mol Pathol 13:369-80, Dec 70
Sex and age differences in hyperthermia response to ether anesthesia in weanling rats with ventro-medial hypothalamic lesions. Bernardis LL.
Experientia 26:1332-4, 15 Dec 70
Hypothalamic monoamines and pineal dopamine during the sexual differentiation of the rat brain. Hyyppä M.
Experientia 27:336-7, 15 Mar 71
Sex difference in alteration of steroid delta4-hydrogenase activity in liver microsomes from rats bearing Walker carcinosarcoma-256. Kato R, et al.
Gann 61:551-5, Dec 70
Sex differences in mental health. Garai JE.
Genet Psychol Monogr 81:123-42, May 70
Interaction of temperature, age and sex on the retention of radiocesium by rats. Langemann FW.
Health Phys 19:785-90, Dec 70
Studies on rat brain acetylcholine and cholinesterase. I. Effect of body weight, sex, stress and C.N.S. depressant drugs. Naik SR, et al.
Indian J Med Res 58:473-9, Apr 70
Hormonal determinants of sex differences avoidance behavior and reactivity to electric shock in the rat. Beatty WW, et al.
J Comp Physiol Psychol 73:446-55, Dec 70
Effects of a single dose of cyclophosphamide on various organs in the rat. II. Response of urinary bladder epithelium according to strain and sex. Koss LG, et al.
J Natl Cancer Inst 44:1195-200, May 70
Influence of age and sex on hepatic lesions induced by chemical carcinogens: ingestion of N-4-(4'-fluorobiphenyl)acetamide by Buffalo strain rats. Stromberg K, et al.
J Natl Cancer Inst 44:1047-54, May 70
Effect of sex on penicillin blood levels in dogs. Poole JW. J Pharm Sci 59:1285-8, Sep 70
Sexual aspects of Rorschach administration. Hersen M.
J Proj Tech Pers Assess 34:104-5, Apr 70
Personal space as influenced by sex and type of movement. Hartnett JJ, et al.
J Psychol 76:139-44, Nov 70
Sex and age differences in persuasibility. Singh UP.
J Soc Psychol 82:289-70, Dec 70
Differences in disfluency behavior between male and female nonstuttering children. Kools JA, et al.
J Speech Hear Res 14:125-30, Mar 71
Metabolic evaluation of sexual dimorphism. II. Effects of epinephrine and dibutyryl 3',5' cyclic AMP on glucose oxidation. Floridi A, et al.
Life Sci [I] 10:761-5, 1 Jul 71
Disseminated blastomycosis in hamsters. II. Effect of sex on susceptibility. Landay ME, et al.
Mycopathol Mycol Appl 42:73-80, 28 Dec 70
Increased fertility in males with the sickle cell trait? Eaton JW, et al. Nature (Lond) 231:456-7, 18 Jun 71
Sex specific binding of steroid hormones to microsomal embranes of rat liver. Blyth CA, et al.
Nature [New Biol] 230:137-9, 31 Mar 71
T7 translational control mechanisms and their inhibition by F factors. Morrison TG, et al.
Nature [New Biol] 231:37-41, 12 May 71
The weaker sex. Nurs Times 67:262-4, 4 Mar 71
A sex difference in immunologic responsiveness. Michaels RM, et al. Pediatrics 47:120-3, Jan 71
Difference in the dried thyroid block of 131-I uptake in male and female rats. Kapitola J, et al.
Physiol Bohemoslov 19:205-8, 1970
Secretory activity of the submaxillary gland in prepuberal and adult rats of both sexes. Perec C, et al.
Q J Exp Physiol 56:46-52, Jan 71
Sex ratio of gastric cancer related to site of the tumour. Sterup K, et al.
Scand J Gastroenterol 6:Suppl 9:87-9, 1971
Sex and population differences in the incidence of a plasma cholinesterase variant. Lubin AH, et al.
Science 173:161-4, 9 Jul 71
Toxicity of DDT to Japanese quail as influenced by body weight, breeding condition, and sex. Gish CD, et al. Toxicol Appl Pharmacol 17:740-51, Nov 70
Dieldrin excretion by the isolated perfused rat liver: a sexual difference. Klevay LM.
Toxicol Appl Pharmacol 17:813-5, Nov 70
[Difference in hematocrit values between men and women--changes in puberty] Isager H.
Nord Med 85:504, 22 Apr 71 (Dan)
[Sex factors and resistance to poisons, viruses and bacteria in mammals] Bouley G, et al.
Bull Inst Natl Sante Rech Med 25:1249-62, Nov-Dec 70 (87 ref.) (Fre)
[Sex influences on the response of the hypothalamo-hypophysio-adrenal axis to emotional and systemic stress in the rat] Lescoat G, et al.
C R Soc Biol (Paris) 164:2106-13, 1970 (Fre)
[Effects of sex difference and of castration on the heart rate of the unanesthetized SPF rat] Stupfel M, et al.
J Physiol (Paris) 1:Suppl 1:179, 1969 (Fre)
[Causes of the sex differences in mammary gland tissue development in rats] Rieser U, et al.
Experientia 26:1148-9, 15 Oct 70 (Ger)
[Sex dependence of G-6-PDH activity in human erythrocytes] Holzmann H, et al.
Klin Wochenschr 48:953-4, 1 Aug 70 (Ger)
[Symposium--drug metabolism and drug action. 5. Sex difference in drug effects and drug metabolizing enzyme activity in the rat liver microsomes--normal and chemically and physiologically altered states] Kato R, et al.
Folia Pharmacol Jap 66:85, 20 Jul 70 (Jap)

SEX HORMONES (D8)

Effect of sex on the development of melanoma in hybrid fish of the Genus Xiphophorus. Siciliano MJ, et al. Cancer Res 31:725-9, Jun 71
[The hormonal background and regulation of sexual behaviour] Hyyppä M, et al.
Duodecim 87:196-203, 1971 (Fin)
[Recent topics on sex hormones] Osawa N.
Naika 28:76-83, 1971 (42 ref.) (Jap)

ADMINISTRATION & DOSAGE

Results of hormone implants in the treatment of the climacteric. Schleyer-Saunders E.
J Am Geriatr Soc 19:114-21, Feb 71
[Intracutaneous hormone therapy activates local blood flow] Heynen U.
Z Allgemeinmed 46:1043-4, 20 Jul 70 (Ger)

ADVERSE EFFECTS

Some aspects of the interaction between natural and synthetic female sex hormones and the liver. Adlercreutz H, et al.
Am J Med 49:630-48, Nov 70 (191 ref.)
Hormones and the human voice. Brodnitz FS.
Bull NY Acad Med 47:183-91, Feb 71
[Undesirable effects of sex hormone therapy]
Presse Med 78:2135-6, 14 Nov 70 (Fre)
[Prevention of iatrogenic disease which is caused by the administration of sex hormones] Hashiguchi A.
Sanfujinka Jissai 20:496-506, Apr 71 (Jap)

ANALYSIS

Steroid content of the equine ovary during the reproductive cycle. Younglai EV.
J Endocrinol 50:589-97, Aug 71
[Use of the IBM computer for a cytohormonal study] Richard R. Can J Med Technol 33:109-21, Jun 71 (Fre)
[Changes in the level of sex hormones in newborns as indicated by colpocytologic studies] Lopatchenko OI.
Pediatr Akush Ginekol 3:47-9, May-Jun 69 (Ukr)

BIOSYNTHESIS

The biosynthesis of ovarian steroids. Lacroix E, et al.
Bull Soc R Belge Gynecol Obstet 39:317-25, Jul-Aug 69
Steroid hormone formation in the human ovary. VII. Stability of the profile of radioactive steroids formed from acetate-1-14C by the corpus luteum in vitro. LeMaire WJ, et al. Steroids 17:65-84, Jan 71
[Multiple aspects of congenital adrenal enzyme deficiencies: clinical, biologic and experimental study] Seringe P, et al.
Ann Med Interne (Paris) 120:507-22, Aug-Sep 69 (Fre)
[Studies on the biosynthesis of steroid sex hormones from radioactive precursors by chick embryo gonads cultivated in vitro] Haffen K.
Annee Biol 9:491-4, Jul-Oct 70 (Fre)

DIAGNOSTIC USE

[The hormonal pregnancy tests in pigs] Rothe K.
Dtsch Tierarztl Wochenschr 78:101-3, 15 Feb 71 (Ger)

METABOLISM

An organ-culture technique for the investiation of hormonal dependence in human prostatic neoplasia. McMahon MJ, et al. Br J Surg 57:860, Nov 70
Radioautography of tritiated sex steroids in the rat. Tuohimaa P. Histochemie 23:349-57, 1970
Binding affinities of blood proteins for sex hormones and corticosteroids in fish. Freeman HC, et al.
Steroids 17:233-50, Feb 71
[The liver and its steroids] Bercovici JP, et al.
Ann Endocrinol (Paris) 31:1111-28, Nov-Dec 70 (62 ref.) (Fre)
[Sex endocrinology of the vaginal and oral mucosa in the newborn female] Pilotti G.
Minerva Pediatr 21:566-90, 7 Apr 69 (Ita)
[Protein binding of steroid hormones] Takigawa H.
Saishin Igaku 25:2408-18, Nov 70 (33 ref.) (Jap)
[Histophysiological indices of activity in the hypothalamo-hypophyseal neurosecretory system in disturbed balance of sex hormones] Ivanova GV.
Arkh Patol 33:35-40, 1971 (Rus)

PHARMACODYNAMICS

Assessment of sex steroid action in vitro. Means AR, et al. Acta Endocrinol [Suppl] (Kbh) 153:318-36, 1971
Maintenance of pregnancy in ovariectomized and nonovariectomized mice as an index of progesterone: steroid synergism and antagonism. Forbes TR.
Am J Obstet Gynecol 109:584-7, 15 Feb 71
Susceptibility of Aspergillus to steroids, amphotericin B, and nystatin. Mohr JA, et al.
Am Rev Resp Dis 103:283-4, Feb 71
Aggression and gonadal hormones in captive Rhesus monkeys (Macaca mulatta). Michael RP, et al.
Anim Behav 18:1-10, Feb 70
Redirected aggression and gonadal hormones in captive Rhesus monkeys (Macaca mulatta). Zumpe D, et al.
Anim Behav 18:11-9, Feb 70
Effects of sex hormones on enzymic esterification of 2-(N-hydroxy-acetamido) fluorene by rat liver cytosol. Lotlikar PD. Biochem J 120:409-16, Nov 70
Effects of various drugs on insulin antibodies. Gulati OD, et al. Br J Pharmacol 42:66-77, May 71
The in vitro action of mammalian sex hormones on Staphylococcus aureus. Warren GH, et al.
Chemotherapy 15:273-85, 1970
Echinococcus granulosus in albino mice: effect of host sex and sex hormones on the growth of hydatid cysts. Frayha GJ, et al. Exp Parasitol 29:255-62, Apr 71
Steroid contraceptives. Vande Wiele RL.
Gynecol Invest 1:Suppl:55-68, 1970
Interference with cellular incorporation of substrates into Staphylococcus aureus by hormones. Fitzgerald T, et al. J Med Microbiol 4:97-106, Feb 71
Hormonal intervention in the uptake of amino acids by staphylococci. Fitzgerald T, et al.
J Med Microbiol 4:89-96, Feb 71
The effect of hormones on some fungi in vitro. Moursi H, et al. Mykosen 11:747-54, 1 Oct 68
Mechanisms of action of steroid hormones. O'Malley BW. N Engl J Med 284:370-7, 18 Feb 71 (36 ref.)
Pharmaco-chemical interrelations among catatoxic steroids. Selye H. Rev Can Biol 29:49-102, Mar 70
Effects of hormones on whole organ cultures of renal cell carcinoma. Card DJ, et al.
Surg Forum 21:532-3, 1970
[Influence of sex hormones on coagulation and fibrinolysis in female rabbits] Sedliak M, et al.
Cesk Gynekol 36:350-3, Jul 71 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The influence of hormones on behavior] Neumann F, et al. Klin Wochenschr 49:790-806, 15 Jul 71 (Ger)
[Influence of steroid hormones on the cancerization of rat liver] Schauer A, et al.
Naturwissenschaften 57:676-7, Dec 70 (Ger)
[Hormonal control of the reproductive behaviour of the sunfish Lepomis gibbosus (L.) (Centrarchidae, Teleostei)] Kramer B.
Z Tierpsychol 28:351-86, Jun 71 (Ger)
[Hormonal stimulation of the porcine ovary at the time of sexual maturity] Schilling E, et al.
Zentralbl Veterinaermed [A] 18:277-88, Jun 71 (Ger)
[Secondary twinning in hormonal therapy] Gedda L, et al.
Acta Genet Med Gemellol (Roma) 19:103-6, Jan-Apr 70 (Ita)
[Sex hormones and cutaneous connective tissue] Cerimele D, et al. G Ital Dermatol 46:55-7, Feb 71 (Ita)
[Effect of steroid hormones on excretion of bile and bilirubin. 1. Experimental studies on albino rats with biliary fistula] Chiba A.
Acta Paediatr Jap 75:269-82, Apr 71 (Jap)
[Effect of steroid hormones on excretion of bile and bilirubin. 2. Effect of steroid hormones on concentration of serum bilirubin in children with jaundice] Chiba A.
Acta Paediatr Jap 75:283-93, Apr 71 (Jap)
[Action mechanism of sex steroid hormones from the aspect of molecular biology, with special reference to relaxing mechanism of uterine muscle contraction] Kato K, et al.
J Jap Obstet Gynecol Soc 22:817-24, Aug 70 (Jap)
[Effect of sex steroid hormones on myosin B of the uterine muscle and interaction of myosin and actin] Nakanishi S.
J Jap Obstet Gynecol Soc 22:1235-43, Nov 70 (Jap)
[Experimental studies on the effect of sex hormones on the proliferation of cells derived from the gingival tissue in culture] Fukuda H.
Shikwa Gakuho 71:1214-32, Apr 71 (Jap)
[Effect of sex hormones on the elastic properties of the myometrium] Ketkin AT.
Akush Ginekol (Mosk) 46:57-60, Mar 70 (Rus)
[Effect of sex hormones on the synthesis of nuclear and cytoplasmic RNA in the liver of growing rats] Gol'ber LM, et al.
Dokl Akad Nauk SSSR 190:1001-3, Feb 70 (Rus)

PHYSIOLOGY

Adam and Eve. Federman DD. Calif Med 114:32-3, Jan 71
The effects of gonadal hormones and contraceptive steroids on serum lipids. Wynn V.
Clin Sci 40:17P, Apr 71
The effect of sex hormones on the arterial elasticity. Tsukershtein OE. Cor Vasa 13:77-82, 1971
Seasonal changes of pelage in the vole (Microtus agrestis). 3. The role of the endocrine system. al-Khateeb A, et al.
Gen Comp Endocrinol 16:236-40, Apr 71
Sex hormones, and acid gastric secretion induced with carbachol, histamine, and gastrin. Amure BO, et al.
Gut 11:841-5, Aug 70
Effect of altered hormonal states on the histochemical distribution of nucleic acids in the rat prostatic complex. Takkar GL, et al.
Indian J Exp Biol 8:63-7, Apr 70
Inheritance, hormonal regulation and properties of polymorphic murine antigens Mud1 and Mud2. Naylor DH, et al.
Int Arch Allergy Appl Immunol 39:511-39, 1970
The influence of sex on intestinal immunological reactions. The effect of gonadectomy on worm expulsion in rats infected with Nippostrongylus brasiliensis. Waddell AH, et al.
Res Vet Sci 12:398-8, Jul 71
[State of development of the rudiments of mammary glands and teats in newborn mice of 5 selected strains bred in the Paris Radium Institute] Raynaud A, et al.
Bull Cancer (Paris) 57:447-76, Oct-Dec 70 (Fre)
[Effect of hormones on alkaline leukocyte phosphatase in the rat] Bailer P, et al. Biut 21:378-83, 1970 (Ger)
[Endocrine regulation and seasonal rhythm of reproduction in the male goat] Leidl W, et al.
Zentralbl Veterinaermed [A] 17:623-33, Aug 70 (Ger)
[Effect of removal of sex glands on basal properties of the higher nervous activity in dogs in early ontogenesis] Kienko VM, et al.
Fiziol Zh 15:614-9, Sep-Oct 69 (Ukr)
[Changes in reproductive functions in animals, thyroidectomized in immature and mature age] Makarenko MV. Fiziol Zh 14:499-503, Jul-Aug 68 (Ukr)

SECRETION

Sex hormone secretion of the placenta left in situ after ovarian pregnancy. Kim MH, et al.
Am J Obstet Gynecol 110:658-62, 1 Jul 71
Evidence that the ovaries of the neonatal rat secrete active substances. Gerall AA, et al.
J Endocrinol 50:529-30, Jul 71
[Hormonal regulation of reproduction in laboratory rodents] Neumann F.
Z Versuchstierkd 12:162-86, 1970 (Ger)

SUPPLY & DISTRIBUTION

[Spectrum of gynecologic hormonal preparations in GDR] Groot-Wassink K.
Dtsch Gesundheitsw 25:631-5, 8 Apr 70 (Ger)

THERAPEUTIC USE

Management of malignant disease metastatic to bone by hormonal alterations. Mellette SJ.
Clin Orthop 73:73-88, Nov-Dec 70
Hormone-induced functional response in mammary glands and mammary tumours. Heise E, et al.
Eur J Cancer 7:71-6, Feb 71
Use and misuse of steroids in canine and feline dermatology. Daykin PW.
J Small Anim Pract 12:425-30, 8 Aug 71
Endocrine therapy reevaluated. Reis RA.
Postgrad Med 49:191-4, Mar 71
[Functional recovery by endocrine treatment in Meniere's disease] Goldman HB.
Acta Otorhinolaryngol Belg 23:490-6, 1969 (Fre)
[Treatment of metastasized breast cancer] Gorins A.
Cah Coll Med Hop Paris 10:857-60, Aug 69 (Fre)
[Hormonal treatment of breast cancer] Deschênes L.
Laval Med 41:66-7, Jan 70 (Fre)
[Use of sex steroids in small-animal practice] Oettel M.
Monatsh Vet Med 26:225-35, 15 Mar 71 (Ger)
[Erroneous treatment with sex hormones in gynecology] Kaiser R.
Ther Ggw 110:16-30, Jan 71 (Ger)
[Medico-legal remarks on the use and prescription of sex hormones in senescence] Chini A.
G Gerontol 17:425-33, May 69 (Ita)
[Light and shadow in the therapy of senescence with sex hormones] Patrono V.
G Gerontol 17:387-97, May 69 (Ita)
[The neurologic syndromes of hormonal spondyliopathy and their treatment] Smirnov IuD.
Zh Nevropatol Psikhiatr 70:1804-10, 1970 (Rus)
[Psychogenic impotence in the male] Kurtel K, et al.
Srp Arh Celok Lek 97:1365-70, Dec 69 (Ser)
[Treatment of anovulation] Saito ET.
Rev Med Chil 98:773-5, Nov 70 (Spa)
[Comparison of effects of some methods of hormonal treatment of artificial climacteric] Bárdos A, et al.
Cesk Gynekol 36:75-6, Mar 71 (Slo)

URINE

Quantitative extraction of steroid conjugates from urine by use of a liquid-liquid partition system. Okerholm RA, et al. Steroids 16:66-8, Jul 70
[Gas chromatography study of urinary excretion of hormonal steroids at various stages of normal pregnancy] Begue RJ, et al.
Rev Fr Gynecol Obstet 65:619-24, Nov 70 (Fre)
[Prognostic value of urinary hormonal determinations during pregnancy] Gellé P, et al.
Rev Fr Gynecol Obstet 64:215-33, May 69 (Fre)
[Ovarian malformations: anatomic, cytogenetic and hormonal classification] Muller P.
Rev Med Liege 25:774-80, 1 Dec 70 (Fre)
[Effect of ACTH, metopirone and dexamethasone on urinary steroid excretion of pregnant women in the latter stage of pregnancy] Nakagawa T.
J Jap Obstet Gynecol Soc 22:1244-52, Nov 70 (Jap)

SEX OFFENSES (I)

see also related
SEX DEVIATION (F2)

Sexual assault on women and girls. Hayman CR, et al.
Am J Obstet Gynecol 109:480-6, 1 Feb 71
Review of child molestation and alleged rape cases. Robinson HA Jr, et al.
Am J Obstet Gynecol 110:405-6, 1 Jun 71
Hebraic attitudes toward sex. JAMA 217:1865, 27 Sep 71
The hormonal treatment of sexual offenders. Field LH, et al. Med Sci Law 10:27-34, Jan 70
Psychiatric evaluation of the "sexual psychopath". Marcus EH. Med Trial Tech Q 17:83-8, Sep 70
Charg-a-crime: the sex offender's equivocation. Frisbie LV. Ment Hyg 52:462-6, Jul 68
Figure drawings by sex offenders and a random sample of offenders. Jensen DE, et al.
Percept Mot Skills 32:295-300, Feb 71
[Admissibility of castration as means against sexual delinquency] Voženílková A.
Cesk Zdrav 19:284-7, Jul 71 (Cze)
[Violent impulsive criminals. Analysis of their development and behavior] Bauer G.
Munch Med Wochenschr 113:1089-96, 6 Aug 71 (Ger)
[Medical viewpoints on the new sex crime law] Munch Med Wochenschr 113:Suppl 8:2, 19 Feb 71 (Ger)
[Clinical and experimental psychologic studies on the effect of antiadrenergic cyproterone acetate in sex delinquents with considerably diminished and normal responsibility] Binder S, et al.
Nervenarzt 42:26-32, Jan 71 (Ger)
[Sex offenses of juvenile delinquents and minors] Bauer G.
Prax Kinderpsychol Kinderpsychiatr 19:234-7, Aug-Sep 70 (Ger)
[On legal charges against sexually abnormal persons] Biondo G.
Acta Neurol (Napoli) 25:395-403, May-Jun 70 (Ita)
[Criminogenetic considerations on sexual crimes of the aged] Carriero F, et al.
Acta Neurol (Napoli) 25:497-504, Jul-Aug 70 (Ita)
[Critical disorders of sex behavior in temporal epilepsy] D'Agata G, et al.
Rass Neuropsichiatr 22:191-204, Apr-Jun 68 (Ita)
[On some aspects of sexual perversions in various psychotic and neurotic syndromes] Failla E, et al.
Rass Neuropsichiatr 22:397-407, Oct-Dec 68 (Ita)
["Sexual perversions": a "model" of their "psychiatric reduction" in the thought of V. Magnan] Lantéri-Laura G, et al.
Sist Nerv 22:26-51, Jan-Feb 70 (Ita)
[Sex crimes in the new Polish penal code] Chroscielewski E. Zacchia 6:173-9, Apr-Jun 70 (Ita)

CLASSIFICATION

The relationship of defensiveness to responses on the sex inventory. Cowden JE, et al.
J Clin Psychol 26:505-9, Oct 70

SEX RATIO (G1)

The role of Xg a blood group incompatibility in fetal loss--twin study. Plato CC, et al.
Acta Genet Med Gemellol (Roma) 19:235-7, Jan-Apr 70
Sex ratio in offspring of survivors exposed prenatally to the atomic bombs in Hiroshima and Nagasaki. Jablon S, et al. Am J Epidemiol 93:253-8, Apr 71
Limited dependence of the human sex ratio on birth order and parental ages. Teitelbaum MS, et al.
Am J Hum Genet 23:271-80, May 71
Social class and sex differences in admission patterns of the mentally retarded. Singer BD, et al.
Am J Ment Defic 75:160-2, Sep 70
Sex ratio in human embryos obtained from induced abortion: histological examination of the gonad in 1,452 cases. Lee S, et al.
Am J Obstet Gynecol 108:1294-7, 15 Dec 70
Heterogeneity among first post-nuptial deliveries. Renkonen KO. Ann Hum Genet 33:319-21, Jan 70
Sex ratios of half-sibs of male homosexuals. James WH.
Br J Psychiatry 118:93-4, Jan 71
Incidence and sex ratio of transsexualism in Sweden. Wålinder J. Br J Psychiatry 119:195-6, Aug 71
Infant mortality and population structure.
Br Med J 4:512, 28 Nov 70
Sex ratios found in various types of referred exceptional children. Mumpower DL.
Except Child 36:621-2, Apr 70
Strain difference in sex ratio response of mice to lactate dehydrogenase virus infection. Crispens CG Jr, et al. Experientia 27:41-2, 15 Jan 71
The cytoplasmically-inherited "sex-ratio" condition in natural and experimental populations of Drosophila bifasciata. Ikeda H. Genetics 65:311-33, Jun 70
Possible nonrandom utilization of X- and Y-bearing sperm in Drosophila melanogaster. Mange AP.
Genetics 65:95-106, May 70
Sex ratio of Guyanese of African and East Indian origin. Ashcroft MT. Hum Biol 42:289-3, May 70
Relation between human sex ratio and some clinical toxaemiae of pregnancy. Golovachev GD.
Hum Biol 42:619-25, Dec 70
Sex ratio in the Australian capital territory. Lyster WR.
Hum Biol 42:670-8, Dec 70
Sex ratio: a statistical association with the type and time of insemination in the menstrual cycle. Guerrero R. Int J Fertil 15:221-5, Oct-Dec 70
Socio-economic factors and the sex ratio at birth. Teitelbaum MS, et al. J Biosoc Sci 3:23-41, Jan 71
The search for genetic variability of the sex ratio. Edwards AW. J Biosoc Sci [Suppl] 2:55-60, May 70
Factors affecting the sex ratio in large populations. Teitelbaum MS. J Biosoc Sci [Suppl] 2:61-71, May 70
Sex ratio by age in childhood malignancies. Spiers PS.
J Chronic Dis 23:907-11, May 71
A statistical study of the human sex ratio. Loyd RC, et al. J Hered 60:329-31, Nov-Dec 69
Conference on sex ratio in phenylketonuria. Koch R, et al. J Pediatr 78:157-9, Jan 71
Sex ratio in hyperphenylalaninemia of newborn infants. Wilson MG, et al. J Pediatr 78:117-9, Jan 71
Offspring sex ratio and age of parents. Caughley G.
J Reprod Fertil 25:145-7, Apr 71
Sex proportion of domestic chicken at 16 hours of incubation. Fechheimer NS, et al.
J Reprod Fertil 23:365-7, Nov 70
Dependence of primary and secondary sex ratio on the rapidity of sedimentation of bull semen. Krzanowski M. J Reprod Fertil 23:11-20, Oct 70
Effect of sex ratio in utero on degree of transformation and chimaerism in neonatal bovine freemartins. Lasier DB, et al. J Reprod Fertil 24:361-7, Mar 71
Season and sex ratio. Goodwin JM.
Lancet 1:652, 27 Mar 71
Cycle day of insemination and sex ratio. Guerrero R.
Lancet 2:377, 14 Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cycle day of insemination, coital rate, and sex ratio. James WH. Lancet 1:112-4, 16 Jan 71
Coital rate, sex ratio, and season of birth. James WH. Lancet 2:159, 17 Jul 71
Coital rate, sex ration, and parental age. James WH. Lancet 1:1294, 19 Jun 71
Coital rate, sex ratio, and parental age. James WH. Lancet 1:1294, 19 Jun 71
Down's syndrome: sex difference in relation to maternal age. Largey GP, et al. Lancet 1:1242, 12 Jun 71
Coital frequency and sex ratio. Teitelbaum MS. Lancet 1:800, 17 Apr 71
The relationship between first and second chromosome segregarion ratios from Drosophila melanogaster males bearing segregation distorter. Denell RE. Mol Gen Genet 110:166-77, 1971
Sperm competition in the Drosophila female. Johnsen RC, et al. Mol Gen Genet 110:36-9, 1971
Parthenogenesis: does it occur spontaneously in mice? Whitten WK. Science 171:40-7, 29 Jan 71
Sex differences in the relative frequency of congenital oral clefts. Janerich DT. Teratology 4:109-10, Feb 71
Necessity of the spleen for balanced secondary sex ratios following maternal immunization with male antigen. Lappé M, et al. Transplantation 11:491-5, May 71
[Influence of mineral nutrition of the cow on the sex ratio in the progeny: a prospective survey, an experimental trial] Stolkowski J, et al. Ann Endocrinol (Paris) 32:3-15, Jan-Feb 71 (Fre)
[Experimental inversion of sex in females of Orchestia gammarella (amphipodous Crustacea) and study of the genetic determinism of sex] Ginsburger-Vogel T. Annee Biol 9:441-6, Jul-Oct 70 (Fre)
[On phenomena of intersexuality and monogenesis in the genus Chaetophiloscia (Isopoda, Oniscoidea). II. Monogenesis in Chaetophiloscia elongata (Dollfus) and Ch. sicula (Verhoeff)] Dalens H. Bull Biol Fr Belg 105:3-52, 1971 (Fre)
[Sex ratio in the embryos of 2 chelonians (Testudo graeca L. and Emys orbicularis L.) born of artificially incubated ova] Pieau C. Diabetes 20:3071-4, Jul 71 (Fre)
[Sex ratio in natural populations of Drosophila subobscura] Jungen H. Arch Julius Klaus Stift Vererbungsforsch 43:Suppl:52-7, 1968 (Ger)
[Sex ratio--specific parameter of the elementary natural population] Novozhenov IuI. Zh Obshch Biol 32:37-44, Jan-Feb 71 (Rus)
[Medical genetic study in live-borns. 3. Effect of maternal factors in anthropological variables] Cruz Coke R, et al. Rev Med Chil 98:708-13, Oct 70 (Spa)

SGOT see under ASPARTATE AMINOTRANSFERASE (D9)

SGPT see under ALANINE AMINOTRANSFERASE (D9)

SHAME see under GUILT (F1)

SHARKS (B2)

Purification and amino acid sequence of melanocyte-stimulating hormone from the dogfish Squalus acanthias. Lowry PJ, et al. Biochem J 118:713-8, Aug 70
Studies of the peripheral blood of the Port Jackson shark (Heterodontus portusjacksoni) with particular reference to the thrombocyte. Stokes EE, et al. Br J Haematol 20:427-35, Apr 71
Osmotic control and urea biosynthesis in selachians. Alexander MD, et al. Comp Biochem Physiol 28:971-8, Sep 68
Composition of the amino acid pools of some cestodes of Elasmobranch fishes of the Woods Hole area. Simmons JE. Exp Parasitol 26:264-71, Dec 69
Elasmobranch carbonic anhydrase. Purification and properties of the enzyme from two species of shark. Maynard JR, et al. J Biol Chem 246:4455-64, 25 Jul 71
Fine structure of spermiogenesis in the elasmobranch fish Squalus suckleyi. II. Late stages of differentiation and structure of the mature spermatozoon. Stanley HP. J Ultrastruct Res 36:103-16, Jul 71
Fine structure of spermiogenesis in the elasmobranch fish Squalus suckleyi. I. Acrosome formation, nuclear elongation and differentiation of the midpiece axis. Stanley HP. J Ultrastruct Res 36:86-102, Jul 71
Differential reactions of Atlantic and Pacific predators to sea snakes. Rubinoff I, et al. Nature (Lond) 228:1288-90, 26 Dec 70
Reactivities of shark 19S and 7S IgM antibodies to Salmonella typhimurium. Schulkind ML, et al. Nature [New Biol] 230:182-3, 7 Apr 71
Connections of the nurse shark's telencephalon. Ebbesson SO, et al. Science 173:254-6, 16 Jul 71
[Ultrastructural aspects of elastoidin fibers] Bairati A, et al. Boll Soc Ital Biol Sper 47:88-90, 15 Feb 71 (Ita)

ANATOMY & HISTOLOGY

Enamel and bone in shark teeth: with a note on fibrous enamel in fishes. Moss ML. Acta Anat (Basel) 77:161-87, 1970
Synapses made by myelinated fibers running to teleost and elasmobranch retinas. Witkovsky P. J Comp Neurol 142:205-21, Jun 71
The arrangement of neurosecretory and catecholamine fibres in relation to the pituitary intermedia cells of the skate, Raja radiata. Meurling P, et al. Z Zellforsch Mikrosk Anat 108:81-92, 1970
[Comparative histochemical studies on the peripheral smell organ in mammals and fishes] Herberhold C. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 190:166-82, 1968 (Ger)

EMBRYOLOGY

Some developmental aspects of the head skeleton of the 35-37 mm Squalus acanthias foetus. Jollie M. J Morphol 133:17-40, Jan 71

ENZYMOLOGY

Monoamine oxidase in the hypothalamo-hypophysial region of the brown smooth dogfish, Triakis scyllia. Urano A. Endocrinol Jap 17:37-46, Feb 71

IMMUNOLOGY

The evolution of the immune response. XI. The immunoglobulins of the horned shark, Heterodontus francisci: purification, characterization and structural requirement for antibody activity. Frommel D, et al. J Immunol 106:1234-43, May 71
Reactivity of normal shark immunoglobulins with nitrophenyl ligands. Leslie GA, et al. J Immunol 105:1547-52, Dec 70
Distribution of 19S and 7S IgM antibodies during the immune response in the nurse shark. Voss EW Jr, et al. J Immunol 106:1323-9, May 71
Comparative ligand-binding by purified nurse shark natural antibodies and anti-2,4-dinitrophenyl antibodies from other species. Voss EW Jr, et al. J Immunol 107:12-8, Jul 71
Production of 19S IgM antibodies with restricted heterogeneity from sharks. Clem LW, et al. Proc Natl Acad Sci USA 68:139-41, Jan 71
Reactions to skin allografts in the horn shark, Heterodontis francisci. Borysenko M, et al. Transplantation 10:545-51, Dec 70

METABOLISM

Proteolytic fragmentation of elasmobranch immunoglobulins. Klapper DG, et al. Biochemistry 10:645-52, 16 Feb 71
Lipid metabolism in helminth parasites. IX. Fatty acid composition of shark tapeworms and of their hosts. Buteau GH Jr, et al. Exp Parasitol 26:209-13, Oct 69
A histochemical study of ovarian function in the ovoviviparous elasmobranch, Squalus acanthias. Lance V, et al. Gen Comp Endocrinol 13:255-67, Oct 69
Synthesis of corticosteroids by the interrenal gland of selachian elasmobranch fish. Simpson TH, et al. J Endocrinol 46:261-8, Feb 70

PHYSIOLOGY

Splenic responses to stimulation in Squalus acanthias. Opdyke DF, et al. Am J Physiol 221:623-5, Aug 71
Effects of hypoxia upon respiration and circulation in the dogfish Scyliorhinus stellaris. Piiper J, et al. Comp Biochem Physiol 36:513-20, 1 Oct 70
Effects of oestradiol and thyroxine upon the plasma calcium content of a shark, Scyliorhinus canicula. Woodhead PM. Gen Comp Endocrinol 13:310-2, Oct 69
Efferent activity in the lateral line nerve of dogfish. Roberts BL, et al. J Physiol (Lond) 208:37P, May 70
Recording of respiration by electrical impedance change from the dogfish in sea water. Amend JF, et al. Med Biol Eng 8:145-8, Mar 70
Integrated static activity of the ampullae of Lorenzini after long-term exposure to various temperatures. Hensel H, et al. Pflugers Arch 323:279-83, 1971
Properties of the epiphysis cerebri of the small-spotted dogfish shark, Scyliorhinus caniculus L. Hamasaki DI, et al. Vision Res 11:189-98, Mar 71
Contributions to the evolution of blood pressure regulation. I. The effect of biogenic amines and nicotine on the blood pressure of fish. Schievelbein H, et al. Z Klin Chem Klin Biochem 7:461-3, 8 Sep 70
Contribution to the evolution of blood pressure regulation. II. Evidence for the absence of kinin-like polypeptides released by proteolytic enzymes for blood pressure regulation in fish. Vogel R, et al. Z Klin Chem Klin Biochem 7:464-6, 8 Sep 70

SHEEHAN'S SYNDROME see under HYPOPITUITARISM (C7)

SHEEP (B2)

Hemoglobin polymorphism in some sheep breeds in Himalayan region. Agar NS, et al. Am J Vet Res 32:361-2, Feb 71
Ovariouterine vasculature in sheep. Dobrowolski W, et al. Am J Vet Res 31:2121-6, Dec 70
Seasonal variations in ovine urinary constituents, with special reference to pH and potassium concentration. Weaver AD. Am J Vet Res 32:813-6, May 71
Anesthetic and paraoperative management of sheep for total heart replacement. Collan R. Anesth Analg (Cleve) 49:336-43, Mar-Apr 70
Use of formalinized sheep erythrocytes in the rubella hemagglutination-inhibition test. Gupta JD, et al. Appl Microbiol 20:843-4, Nov 70
Immunologic response of lambs to emulsified foot-and-mouth disease vaccine. Cunliffe HR, et al. Arch Gesamte Virusforsch 32:261-8, 1970
Evaluation of modified [35S] methionine and [35S] casein preparations as supplements for sheep. Downes AM, et al. Br J Nutr 24:1063-9, Dec 70
A comparison of markers for estimating magnitude of rumen digestion. Drennan MJ, et al. Br J Nutr 24:961-70, Dec 70
Studies of the food intake of sheep at a single meal. Ternouth JH, et al. Br J Nutr 25:153-64, Jan 71
Observations on rearing gnotobiotic lambs. Alexander TJ, et al. Br Vet J 127:349-57, Aug 71
Some biochemical and haematological parameters of inwintered sheep. Egan DA, et al. Br Vet J 127:15-8, Jun 71
Toxicity of carbon tetrachloride and other fasciocidal drugs in sheep and chickens. Fowler JS. Br Vet J 127:304-12, Jul 71
The assessment of blood acid-base parameters in ruminants. Phillips GD. Br Vet J 126:325-32, Jun 70
Morphological changes in ram spermatozoa due to hot-room exposure for varying periods. Rathore AK. Br Vet J 126:277-81, Jun 70
Presence of the Mycobacterium tuberculosis in the milk of experimentally reproduced sheep tuberculosis. Keyhani M. Bull Off Int Epizoot 73:993-8, Nov-Dec 70
Free bile acids in sheep. Peric-Golia L, et al. Comp Biochem Physiol 26:741-4, Aug 68
Erythrocyte sedimentation rate studies in sheep, dog, and horse. Osbaldiston GW. Cornell Vet 61:386-99, Jul 71
Structural studies on ovine growth hormone. Cyanogen bromide fragments: N- and C-terminal sequences. Peña C, et al. Eur J Biochem 17:27-31, Nov 70
Three to five day lethality in sheep following exposure to 60Co-gamma radiation. Alter WA 3d, et al. Health Phys 20:343-5, Mar 71
Identification of secretory IgA, free secretory piece and serum IgA in the ovine and caprine species. Pahud JJ, et al. Immunochemistry 7:879-86, Aug 70
Post-weaning feed lot performance of Nali and Lohi sheep and their crosses with Nellore and Mandya. Balaine DS, et al. Indian Vet J 48:50-8, Jan 71
Effect of lambing season on birth weight and weaning weight of Baunur sheep. Gangwar VS, et al. Indian Vet J 47:1084-6, Dec 70
Studies on sheep nutrition. II. Plane of nutrition of grazing sheep during different months. Joshi DC, et al. Indian Vet J 47:1089-94, Dec 70
Studies on sheep nutrition. 3. Comparative grazing efficiency of different breeds of sheep and the pasture intake as influenced by grazing hours. Joshi DC, et al. Indian Vet J 48:282-4, Mar 71
Rates of passage of some arid zone roughages through the digestive tract of sheep. Purohit GR, et al. Indian Vet J 48:361-5, Apr 71
Treatment of pregnant ewes with cyclophosphamide. Dolnick EH, et al. J Anim Sci 31:944-6, Nov 70
Pregnancy diagnosis in the ewe by intrarectal Doppler. Lindahl IL. J Anim Sci 32:922-5, May 71
Rumen development in lambs. I. Microbial digestion of starch and cellulose. Poe SE, et al. J Anim Sci 32:740-3, Apr 71
A technique for cross-circulating blood of unanesthetized sheep. Seoane JR, et al. J Anim Sci 32:1174-5, Jun 71
Effect of activated carbon on lamb performance and rumen parameters. Hershberger TV, et al. J Dairy Sci 54:893-5, May 71
Re-establishment of Entodinium caudatum, cultured in vitro, in the rumen of a defaunated sheep. Coleman GS, et al. J Gen Microbiol 62:265-6, Aug 70
Characteristics of ruminococcus and cellulolytic butyrivibrio species from the rumens of sheep fed differently supplemented teff (Eragrostis tef) hay diets. Van Gylswyk NO, et al. J Gen Microbiol 64:11-7, Nov 70
Chromosomes of the dall sheep, Ovis dalli dalli (Nelson). Nadler CF. J Mammal 52:461-3, May 71
Acid-base relationships across the sheep placenta. Curet LB. J Obstet Gynaecol Br Commonw 77:1091-5, Dec 70
Seasonal fluctuation in linguiform morphs of Hae monchus contortus Cayugensis. LeJambre LF, et al. J Parasitol 54:827-30, Aug 68
Bursal bosses as a diagnostic character in nematodirus

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of domestic sheep, ovis aries, in the United States. Stringfellow F. J Parasitol 54:891-5, Oct 68
Induction of fertile oestrus in prepubertal ewes during the anoestrous season. Burfening PJ, et al. J Reprod Fertil 23:147-50, Oct 70
The morphological appearance and development of sheep ova fertilized by surgical insemination. Killeen ID, et al. J Reprod Fertil 24:63-70, Jan 71
The fertility of ewes after implantation of dummy pressure transducers in the uterine wall. Lehrer AR, et al. J Reprod Fertil 24:109-10, Jan 71
Incidence and duration of sexual inhibition in young rams. Mattner PE, et al. J Reprod Fertil 24:149-50, Jan 71
Some factors affecting the intracellular accumulation of metabolites by spermatozoa of the ram. O'Shea T. J Reprod Fertil 24:130, Jan 71
The relationship between numbers of spermatozoa inseminated and fertilization rate of ova in ewes treated with fluoro-progestagen intravaginal sponges in summer and autumn. Quinlivan TD. J Reprod Fertil 23:87-102, Oct 70
Early changes in the histology and cytochemistry of the heated ram testis. Samisoni JI, et al. J Reprod Fertil 24:150-1, Jan 71
The effect of local heating on the flow and composition of rete testis fluid in the conscious ram. Setchell BP, et al. J Reprod Fertil 24:81-9, Jan 71
Synthesis and metabolism of myoinositol in testicular and ejaculated spermatozoa of the ram. Voglmayr JK, et al. J Reprod Fertil 24:29-37, Jan 71
The effects of heat on the metabolism and ultrastructure of ram testicular spermatozoa. Voglmayr JK, et al. J Reprod Fertil 24:71-80, Jan 71
Surgical preparation of a chronic maternal-fetal model in pregnant sheep: a technique for the measurement of middle uterine blood flow, umbilical blood flow, and fetal sampling in the awake sheep. Soma LR, et al. J Surg Res 11:85-94, Feb 71
Separating the sheep from the goats on the basis of their chromosomes. Dain AR. Nature (Lond) 228:560-1, 7 Nov 70
Immunological implications of ultrastructural studies of goat X sheep hybrid placentae. Dent J, et al. Nature (Lond) 231:116-7, 14 May 71
The effects of nutritional deprivation on the subsequent productivity of sheep and cattle. Allden WG. Nutr Abstr Rev 40:1167-84, Oct 70 (165 ref.)
A field study of nematode parasite populations in the lactating ewe. O'Sullivan BM, et al. Parasitology 61:301-15, Oct 70
Transfer of metabolites between sheep by cross-circulation dialysis as a means of studying chemostatic control of voluntary food intake in ruminants. Forbes JM. Proc Nutr Soc 30:22A-23A, May 71
Effects of high levels of dietary sulphate on voluntary feed intake of sheep. Upton PK, et al. Proc Nutr Soc 30:20A-21A, May 71
Effect of secretin on bile formation in sheep. Heath T. Q J Exp Physiol 55:301-12, Oct 70
The isolated perfused liver of the sheep: an assessment of its metabolic, synthetic and excretory functions. Linzell JL, et al. Q J Exp Physiol 56:53-71, Jan 71
Experimental acute toxicity of orally administered sodium selenite in lambs. Caravaggi C, et al. Res Vet Sci 11:501-2, Sep 70
Acute selenium toxicity in lambs following intramuscular injection of sodium selenite. Caravaggi C, et al. Res Vet Sci 11:146-9, Mar 70
Automatic sampling of blood and ruminal fluid of grazing sheep. Farrell DJ, et al. Res Vet Sci 11:217-20, May 70
A technique for chronic catheterization of the amniotic and allantoic sacs of sheep foetuses. Mellor DJ. Res Vet Sci 11:93-5, Jan 70
The effect of two synthetic anticoagulant drugs (coumarin and inandione) in the ewe. Morag M, et al. Res Vet Sci 12:106-12, Mar 71
Blood cholinesterase activity of some Indian breeds of sheep. Naidu NV, et al. Res Vet Sci 12:93-4, Jan 71
Observations on the behaviour of groups of artificially reared lambs. Stephens DB, et al. Res Vet Sci 12:219-24, May 71
Some effects of selective plasmapheresis on the plasma proteins of the sheep. Watt JG, et al. Res Vet Sci 11:168-74, Mar 70
Teratogenic effects of amipopterin in sheep. James LF, et al. Teratology 1:407-12, Nov 68
Artificial insemination of sheep following induction of oestrus during the non-breeding season. Cooper RJ, et al. Vet Rec 88:381-3, 10 Apr 71
The nutritional assessment of pasture. Griffiths JR. Vet Rec 88:142-4, 6 Feb 71
The application of some liver function tests to sheep dosed with carbon tetrachloride and hexachlorphene. Harvey DG, et al. Vet Rec 88:562-9, 29 May 71
The occurrence of Mycoplasma arginini in several animal hosts. Leach RH. Vet Rec 87:319-20, 12 Sep 70
Field assessment of veramix plus: a hormone treatment for the advancement of the lambing season and synchronisation of lambing. Norman JA. Vet Rec 87:261-4, 29 Aug 70
Hybridisation in sheep. Watson JH. Vet Rec 88:351-4, 3 Apr 71
Drying-off ewes in early lactation. Young NE, et al. Vet Rec 88:80-2, 16 Jan 71
Endocrine activity, histochemistry and ultrastructure of ovine corpora lutea. II. Observations on regression following hysterectomy. Bjersing L, et al. Z Zellforsch Mikrosk Anat 111:458-70, 1970
Endocrine activity, histochemistry and ultrastructure of ovine corpora lutea. I. Further observations on regression at the end of the oestrous cycle. Bjersing L, et al. Z Zellforsch Mikrosk Anat 111:437-57, 1970
Developmental changes in the structure of perinatal ruminal epithelium: basal infoldings, glycogen, and glycocalyx. Henrikson RC. Z Zellforsch Mikrosk Anat 109:15-9, 1970
Investigations on urinary estrogen excretion from ewes with special reference to the cliniclel condition of the genital tract. I. The estrous cycle. Osman AM, et al. Zentralbl Veterinaermed [A] 17:889-98, Dec 70
Electron microscope observations of strains of parainfluenza-3 virus isolated from cattle and sheep. Haralambiev H, et al. Zentralbl Veterinaermed [B] 17:918-23, Nov 70
[Influence of technological processing of energetic food (immature barley) on the metabolism of carbohydrates and urea in the rumen of sheep] Durand M. C R Acad Sci [D] (Paris) 271:2167-70, 9 Dec 70 (Fre)
[Changes of plasma concentrations of luteinizing hormone and prolactin during the estrous cycle of ewes] Kann G. C R Acad Sci [D] (Paris) 272:2934-7, 7 Jun 71 (Fre)
[Radioimmunoassay of plasma prolactin in sheep] Kann G. C R Acad Sci [D] (Paris) 272:2808-11, 2 Jun 71 (Fre)
[Morphological development of meiotic chromosomes in the ram (Ovis aries)] Loir M. C R Acad Sci [D] (Paris) 272:2587-90, 17 May 71 (Fre)
[Isolation of immunoglobulins gamma 1 and gamma 2 from goat, sheep and cattle plasmas] Steinbuch M, et al. C R Soc Biol (Paris) 164:296-301, 25 Sep 70 (Fre)
[Study of afferent pathways of the diving reflex in rabbits and adult sheep and newborn lambs] Tchobroutsky C, et al. J Physiol (Paris) 62:Suppl 3:455, 1970 (Fre)
[Tolerance to chorocholine chloride following oral administration in sheep] Schulz JA, et al. Arch Exp Veterinaermed 24:1033-44, 1970 (Ger)
[Significance of the sheep as a salmonella carrier in Middle Anatolia (Turkey)] Weise E, et al. Beri Munch Tieraerztl Wochenschr 83:186-9, 15 May 70 (Ger)
[Clinical compatibility and residual dynamics from pour-on application of metrifonatum-based organic phosphate preparations on merino sheep] Ribbeck R, et al. Monatsh Vet Med 25:593-6, 1 Aug 70 (Ger)
[Studies on the Coccidia fauna in merino mutton sheep] Rohde H, et al. Monatsh Vet Med 25:589-93, 1 Aug 70 (Ger)
[Comparative structural and ultrastructural aspects of some encephalic nerves. II. Preliminary histological and polaroscopic findings on the vagus nerve in Ovis aries] Russo E. Boll Soc Ital Biol Sper 45:1642-3, 31 Dec 69 (Ita)
[Comparative structural and ultrastructural aspects of some encephalic nerves. I. Preliminary histological and polaroscopic findings on the hypoglossal nerve in Ovis aries] Russo E, et al. Boll Soc Ital Biol Sper 45:1641-2, 31 Dec 69 (Ita)
[On arterial and venous blood supply of the adrenal glands in small ruminants] Russo E, et al. Boll Soc Ital Biol Sper 45:1639-41, 31 Dec 69 (Ita)
[Comparative structural and ultrastructural aspects of some encephalic nerves. 3. Preliminary histological and polaroscopic data on the recurrent nerve in Ovis aries] Russo E. Boll Soc Ital Biol Sper 46:506-7, 30 May 70 (Ita)
[Comparative structural and ultrastructural aspects of some encephalic nerves. IV. Preliminary histological and polaroscopic data on the glossopharyngeal nerve in Ovis aries] Russo E, et al. Boll Soc Ital Biol Sper 46:507-8, 30 May 70 (Ita)
[Separation, purification and amino acid composition of A and B rennins of lambs] Oruntaeva KB, et al. Biokhimiia 36:18-21, Jan-Feb 71 (Rus)
[Polysaccharides in the umbilical cord of the astrakhan ewe] Kasamanly TIu. Dokl Akad Nauk SSSR 191:957-9, 1970 (Rus)
[Biochemical polymorphism of Karakul sheep cerulioplasmin] Mekhtiev NKh, et al. Dokl Akad Nauk SSSR 196:457-60, 1971 (Rus)
[Effect of sevin, dicresyl and chlorophos on the sheep organism] Gladenko IN, et al. Veterinariia 7:73-4, Jul 70 (Rus)
[Effect of plant bitter substances on sheep digestion] Isaev VI. Veterinariia 7:76-8, Jul 70 (Rus)
[Survival of Brucella in the lamb abomasum] Kerimov Ch. Veterinariia 12:17-8, Dec 70 (Rus)
[Effectiveness of cavitary operations] Kochmar AG, et al. Veterinariia 6:76-8, Jun 70 (Rus)
[A factor increasing the quality of ram sperm] Malikov DI, et al. Veterinariia 12:79-81, Dec 70 (Rus)
[Effect of benzohexonium on the motor function of the digestive organs] Sokur VD, et al. Veterinariia 6:69-70, Jun 70 (Rus)
[Hygienic study of the meat of animals stimulated with hormonal preparations (literature review)] Vavilina GP. Vopr Pitan 29:55-9, Nov-Dec 70 (44 ref.) (Rus)

ANATOMY & HISTOLOGY

Histology of the corpus luteum in the ewe: changes during the estrous cycle and early pregnancy, and in response to some experimental treatments. Thwaites CJ, et al. Am J Anat 129:439-47, Dec 70
Ultrastructure of hepatic sinusoids in sheep. Grubb DJ, et al. Anat Rec 170:75-9, May 71
The adrenal glands of the Merino ewe. Thwaites CJ, et al. Aust Vet J 46:599-603, Dec 70
The mucosal surface patterns of the small intestine of grazing lambs. Pout DD. Br Vet J 126:357-63, Jul 70
Atrioventricular and semilunar valve innervation in sheep, pigs, and cattle. Smith RB. Cardiovasc Res 5:113-7, Jan 71
The structure of the vomeronasal organ in the sheep. Kratzing J. J Anat 108:247-60, Feb 71
Projections of the subnucleus caudalis of the trigeminal nucleus in the sheep. Roberts PA, et al. J Comp Neurol 141:273-82, Mar 71
Eosinophils of ovine peripheral bolood in electron microscopy. Yamada Y, et al. Jap J Vet Res 18:117-23, Sep 70
Neutrophils of ovine peripheral blood in electron microscopy. Yamada Y, et al. Jap J Vet Res 18:83-9, Jun 70
The lumbosacral plexus (plexus lumbosacralis) of the sheep (Ovis aries). Ghoshal NG, et al. NZ Vet J 19:85-90, May 71
Location of retrograde changes in the nervous system following unilateral lympathectomy in sheep. Weiento J. Zentralbl Veterinaermed [A] 16:834-7, Nov 69
[The morphology of the nerve fibers and receptors in the oral mucus membrane of sheep] Gigov Z. Anat Anz 128:84-100, 1971 (Ger)
[The popliteal artery in some domestic species] König HE. Zentralbl Veterinaermed [A] 17:844-51, Aug 70 (Ger)
[Innervation of the uterus in Ovis aries] Salerno V. Acta Med Vet (Napoli) 16:113-20, Jan-Apr 70 (Ita)
[The fetal sheep adrenal cortex] Katsnel'son ZS. Dokl Akad Nauk SSSR 185:195-7, Mar-Apr 69 (Rus)
[Afferent innervation of intramural ganglia of the esophagus of adult sheep] Vshivtseva VV. Dokl Akad Nauk SSSR 190:983-6, Feb 70 (Rus)
[Developmental stages of the bush-like receptor in fetal, lamb and sheep esophageal ganglia] Vshivtseva VV. Dokl Akad Nauk SSSR 198:232-5, 1971 (Rus)

EMBRYOLOGY

Morphogenesis of the pelvic limb metapodium of the sheep (Ovis ammon f. aries L.) and the goat (Capraaegagrus f. hircus L.). Rajtová V, et al. Folia Morphol (Praha) 19:154-9, 1971
Merkel cells in sheep epidermis during fetal development. Lyne AG, et al. J Ultrastruct Res 34:464-72, Mar 71
Ultrastructural and acetylcholinesterase studies on the innervation of the ductus arteriosus, pulmonary trunk and aorta of the fetal lamb. Silva DG, et al. J Ultrastruct Res 34:358-74, Feb 71
[Activity and localization of the lactate dehydrogenase in the mucous membrane of the fundus of the abomasus and the jejunum of sheep during ontogenesis] Georgieva R. Acta Histochem (Jena) 37:18-33, 1970 (Ger)
[Fine structure of the epithelia of the Wolffian duct and of the vas deferens in fetal sheep] Tiedemann K. Z Zellforsch Mikrosk Anat 113:230-48, 1971 (Ger)
[Functional significance of the histological structures of the sheep stomach in embryogenesis] Davletova LV. Dokl Akad Nauk SSSR 185:1193-6, 11 Apr 69 (Rus)
[Placentome development in fine-fleeced sheep] Gorokhovskii NL. Dokl Akad Nauk SSSR 197:246-8, 1 Mar 71 (Rus)
[Morphology and histochemistry of the amniotic membrane of karakul sheep] Kasamanly TIu. Dokl Akad Nauk SSSR 189:222-4, Nov-Dec 69 (Rus)
[Embryonal anlage of the adrenal gland in sheep] Katsnel'son ZS. Dokl Akad Nauk SSSR 196:1483-5, 21 Feb 71 (Rus)
[Interrelation of blood vessels and hair follicoes in sheep embryogenesis] Panfilova EP, et al. Dokl Akad Nauk SSSR 195:1201-3, 1970 (Rus)

ENZYMOLOGY

Some biochemical and kinetic properties of sheep uterine endometrial alkaline phosphatase. Murdoch RN. Aust J Biol Sci 24:331-43, Apr 71
[The small intestine of the lamb does not contain saccharase] Nuvole P. Boll Soc Ital Biol Sper 45:947-8, 31 Jul 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

GROWTH & DEVELOPMENT

The effect of the absence of rumen ciliate protozoa on growing lambs fed on a roughage-concentrate diet. Eadie JM, et al. Br J Nutr 26:155-67, Sep 71
The effect on protein utilization of feeding different protein supplements via the rumen or via the abomasum in young growing sheep. Orskov ER, et al. Br J Nutr 24:803-9, Sep 70
An anabolic agent for ruminants. Brown RG. J Am Vet Med Assoc 157:1537-9, 1 Dec 70
Effects of sex alteration, breed, type of rearing and creep feeding on lamb growth. Glimp HA. J Anim Sci 32:859-62, May 71
Effect of breed, ration energy level and their interactions on rate and efficiency of lamb growth. Glimp HA. J Anim Sci 33:157-60, Jul 71
An evaluation of various protein concentrates for growing finishing lambs. Huston JE, et al. J Anim Sci 32:334-8, Feb 71
Effect of energy levels provided ewe lambs post-weaning on their development and subsequent production. Jordan RM, et al. J Anim Sci 31:950-5, Nov 70
Effects of feeding alkali-treated oat straw supplemented with soybean meal or nonprotein nitrogen on growth of lambs and on certain blood and rumen liquor parameters. Saxena SK, et al. J Anim Sci 33:485-90, Aug 71
Body weight gain and wool growth response to formaldehyde treated casein and sulfur amino acids. Wright PL. J Anim Sci 33:137-41, Jul 71
Influences of monovalent cations on growth and lactic acid metabolism of sheep fed purified diets. Lee D Jr, et al. J Nutr 101:967-74, Aug 71
Effect of management systems on the growth of lambs and development of internal parasitism. 3. Field trials with lambs on soilage and pasture involving medication with N.F. and purified grades of phenothiazine. Lindahl IL, et al. J Parasitol 56:991-9, Oct 70
The effect of nematode parasitism on intake, growth and mineral metabolism of growing lambs. Reveron AE, et al. Proc Nutr Soc 30:19A-20A, May 71

IMMUNOLOGY

On the oligosaccharide of Forssman-active sheep red cell glycolipid. Ando S, et al. Chem Phys Lipids 5:91-5, Oct 70
Hemagglutinating efficiencies and properties of ovine IgG1 and IgG2 antibodies. Kaplan AM, et al. Int Arch Allergy Appl Immunol 40:264-73, 1971
A component of complement in some body fluids of sheep. Jonas WE. Res Vet Sci 11:327-33, Jul 70
Agglutinating and complement-mediated activities of sheep antisera, IgM, slow and fast gamma-globulin antibodies. Rhee YO, et al. Res Vet Sci 11:123-9, Mar 70

METABOLISM

Metabolism of 14C-histamine in domestic animals. II. Cow and sheep. Eliassen KA. Acta Physiol Scand 81:289-99, Mar 71
Glucose synthesis in ruminants. Leng RA. Adv Vet Sci Comp Med 14:209-60, 1970 (140 ref.)
Metabolism of volatile fatty acids by liver and portal-drained viscera in sheep. Bergman EN, et al. Am J Physiol 221:586-92, Aug 71
Metabolic clearance rates and conversions of oestradiol-17-beta in the sheep. Challis JR, et al. Biochem J 118:11P, Jun 70
Insulin, growth hormone and corticosteroids in neonatal lambs. Normal concentrations and the effects of gold. Bassett JM, et al. Biol Neonate 17:112-25, 1971
The localisation of noradrenaline and dopamine in brown adipose tissue of the newborn lamb. Thompson GE, et al. Biol Neonate 17:394-8, 1971
The effect of drying and ensiling grass on its digestion in sheep. Sites of energy and carbohydrate digestion. Beever DE, et al. Br J Nutr 26:123-34, Sep 71
A theoretical consideration of the effect of preventing rumen fermentation on the efficiency of utilization of dietary energy and protein in lambs. Black JL. Br J Nutr 25:31-55, Jan 71
Calcium metabolism in pregnant ewes. Braithwaite GD, et al. Br J Nutr 24:661-70, Sep 70
The effect of age and level of dietary calcium intake on calcium metabolism in sheep. Braithwaite GD, et al. Br J Nutr 26:215-25, Sep 71
Determination of the energy expenditure of penned and grazing sheep from estimates of carbon dioxide entry rate. Corbett JL, et al. Br J Nutr 26:277-91, Sep 71
Metabolism of nitrogenous compounds in the large intestine of sheep. Hecker JF. Br J Nutr 25:85-95, Jan 71
Metabolism of vitamin E in sheep. Hidiroglou M, et al. Br J Nutr 24:917-28, Dec 70
The requirement of sheep for cobalt or for vitamin B12. Marston HR. Br J Nutr 24:615-33, Sep 70
The urinary aromatic acids excreted by sheep given S24 perennial ryegrass cut at six stages of maturity. Martin AK. Br J Nutr 24:943-59, Dec 70
Nitrogen metabolism in sheep. Mathison GW, et al. Br J Nutr 25:351-66, May 71
The expected and observed changes in the intake of three hays by sheep after shearing. Minson DJ, et al. Br J Nutr 26:31-9, Jul 71
Metabolism of urea in late pregnancy and the possible contribution of amino acid carbon to glucose synthesis in sheep. Nolan JV, et al. Br J Nutr 24:905-15, Dec 70
Nitrogen balance studies with the milk-fed lamb. 8. Labile protein reserves. Norton BW, et al. Br J Nutr 26:7-13, Jul 71
Nitrogen balance studies with the milk-fed lamb. 7. Effect of age of the lamb. Norton BW, et al. Br J Nutr 26:1-6, Jul 71
Digestion of concentrates in sheep. 1. The effect of increasing the concentration of soya-bean meal in a barley diet on apparent disappearance of feed constituentsalong the digestive tract. Orskov ER, et al. Br J Nutr 25:225-33, Mar 71
Influence of starch digestion in the large intestine of sheep on caecal fermentation, caecal microflora and faecal nitrogen excretion. Orskov ER, et al. Br J Nutr 24:671-82, Sep 70
Utilization of salts of volatile fatty acids by growing sheep. 5. Effects of type of fermentation of the basal diet on the utilization of salts of acetic acid for body gains. Poole DA, et al. Br J Nutr 24:895-704, Sep 70
The degradation of lignin and quantitative aspects of ruminant digestion. Porter P, et al. Br J Nutr 25:3-14, Jan 71
Digestion of carbohydrates of hay in small ruminants. Porter P, et al. Br J Nutr 26:75-88, Jul 71
The influence of biliary constituents in an acid medium on the micelle solubilization of unesterified fatty acids of the duodenal digesta of sheep. Scott AM, et al. Br J Nutr 25:307-15, Mar 71
Production, absorption, distribution and excretion of vitamin B 12 in sheep. Smith RM, et al. Br J Nutr 24:857-77, Dec 70
Nitrogen balance studies with the milk-fed lamb. 9. Energy and protein requirements for maintenance, live-weight gain and wool growth. Walker DM, et al. Br J Nutr 26:15-29, Jul 71
Acute in vivo studies on glucose absorption from the small intestine of lambs, sheep and rats. White RG, et al. Br J Nutr 25:57-76, Jan 71
5-hydroxytryptamine metabolism in sheep. Bartlet AL. Br J Pharmacol 42:273-80, Jun 71
Plasma standard bicarbonate and chloride concentrations in cattle and sheep. Phillips GD. Br Vet J 126:409-19, Aug 70
The influence of sulphur, sodium chloride and nitrogen supplements on the nitrogen balance of Merino sheep in North Western Australia. Robinson DW. Br Vet J 126:470-5, Sep 70
Tissue selenium concentrations in sheep fed a purified diet. Buchanan-Smith JG, et al. Can J Physiol Pharmacol 49:619-21, Jun 71
Distribution of blood potassium & haemoglobin types in Indian sheep. Arora CL, et al. Indian J Exp Biol 8:335-7, Oct 70
59Fe retention in sheep as a function of age and of artificially induced parasitism with Haemonchus contortus. Anderson JJ, et al. J Anim Sci 32:1195-201, Jun 71
Associative effects on the digestibility of energy and the utilization of nitrogen in sheep fed simplified rations. Asplund JM, et al. J Anim Sci 32:152-6, Jan 71
Epsilon-N-methyl lysine metabolism in sheep. Bergen WG, et al. J Anim Sci 32:1245-50, Jun 71
Intermittent versus continuous diethylstilbestrol in lambs: effects on plasma urea nitrogen and nitrogen retention. Davis SL, et al. J Anim Sci 32:107-10, Jan 71
Appearance in the blood plasma and excretion of 35S from three chemical forms of sulfur by lambs. Johnson WH, et al. J Anim Sci 31:1003-9, Nov 70
Metabolism of radioactive sulfur from elemental sulfur, sodium sulfate and methionine by lambs. Johnson WH, et al. J Anim Sci 32:778-83, Apr 71
Effects of sex, age of lamb and length of feeding upon energy metabolism and carcass traits of lambs. Ray EE, et al. J Anim Sci 32:721-6, Apr 71
Nitrogen studies with lambs fed alfalfa (Medicago sativa) as hay, low-moisture and high-moisture silages. Sutton AL, et al. J Anim Sci 32:1256-61, Jun 71
Growth hormone influences on palmitate entry rate in fed and fasted sheep. Johnson RR, et al. J Dairy Sci 53:1089-93, Aug 70
Oestrogens in the plasma of the sheep foetus. Findlay JK, et al. J Endocrinol 46:281-2, Feb 70
The effect of betamethasone on glucose utilization and oxidation by sheep. Reilly PE, et al. J Endocrinol 49:19-27, Jan 71
Factors concerned in the lysis of bacteria in the alimentary tract of sheep. Hoogenraad NJ, et al. J Gen Microbiol 62:281-3, Aug 70
Postprandial changes in insulin secretion rates in sheep. Trenkle A. J Nutr 101:1099-103, Aug 71
Cardiovascular function in young lambs during summit metabolism. Alexander G, et al. J Physiol (Lond) 208:65-83, May 70
Summit metabolism and cardiovascular function in young lambs during hyperoxia and hypoxia. Alexander G, et al. J Physiol (Lond) 208:85-97, May 70
The effect of intraventricular noradrenaline, and acetylcholine, on plasma unesterified fatty acids in the sheep. Clough DP, et al. J Physiol (Lond) 215:52P-53P, May 71
Active potassium transport in the immature red cells of anaemic sheep. Kilory JC, et al. J Physiol (Lond) 208:18P-19P, May 70
The free amino acid concentrations in maternal and foetal plasmas in the pregnant ewe. Hopkins L, et al. J Physiol (Lond) 215:9P-10P, May 71
Placental transfer and foetal uptake of free amino acids in the pregnant ewe. Hopkins L, et al. J Physiol (Lond) 215:11P-12P, May 71
Production and absorption of vitamin B 12 in the sheep--a preliminary study. Elliot JM, et al. Life Sci [I] 10:847-54, 1 Jun 71
Relationship of urea retention to the urea space in fasting sheep with a reduced water intake. Havassy I, et al. Physiol Bohemoslov 19:523-7, 1970
Relationship of urea retention to the urea space and the blood urea level in fasting sheep. Havassy I, et al. Physiol Bohemoslov 19:107-11, 1970
Dynamics of blood urea and ruminal ammonia in fasting sheep. Várady J, et al. Physiol Bohemoslov 19:519-22, 1970
The supplementation of a low-nitrogen hay with urea and its effect on nitrogen transformations within the alimentary tract of adult sheep. Beever DE, et al. Proc Nutr Soc 30:15A-16A, May 71
Protein requirements of growing lambs. Black JL. Proc Nutr Soc 30:7A-8A, May 71
The absorption of micellar lipid by the small intestine of the sheep. Freeman CP, et al. Proc Nutr Soc 29:Suppl:1A-2A, May 70
The occurrence of alpha-amino-isobutyrate in sheep digesta. Harrison DG, et al. Proc Nutr Soc 30:16A-17A, May 71
The effects of diet and pentagastrin on the influx of urea into the rumen of sheep. Harrop CJ, et al. Proc Nutr Soc 30:3A-4A, May 71
Relationship between the pattern of ruminal fermentation and the flow of materials to the duodenum in sheep receiving a diet of barley, flaked maize and ground hay. Ishaque M, et al. Proc Nutr Soc 30:1A-2A, May 71
The physical form of a barley grain and barley straw diet and nitrogen metabolism in sheep. Jackson P, et al. Proc Nutr Soc 30:1A, May 71
Effects of dietary hydrochloric and sulphuric acids on voluntary feed intake and metabolism of sheep. L'Estrange JL, et al. Proc Nutr Soc 30:21A-22A, May 71
Some observations on the metabolism of alpha-epsilon-diaminopimelic acid in sheep. Mason VC, et al. Proc Nutr Soc 30:17A-18A, May 71
The effect of protein supplementation via the abomasum on the voluntary intake of concentrate by young growing sheep. Orskov ER, et al. Proc Nutr Soc 30:25A-26A, May 71
Some effects of feeding supplements of maize meal and sodium bicarbonate upon the digestion of forage cellulose by sheep. Osbourn DF, et al. Proc Nutr Soc 29:Suppl:12A+, May 70
The effect of leuco-anthocyanins in sainfoin (Onobrychis viciifolia Scop.) on the availability of protein to sheep and upon the determination of the acid detergent fibre and lignin fractions. Osbourn DF, et al. Proc Nutr Soc 30:13A-14A, May 71
The digestion of dried lucerne (Medicago sativa L.) and dried sainfoin (Onobrychis viciifolia Scop.) by sheep. Thomson DJ, et al. Proc Nutr Soc 30:14A-15A, May 71
Voluntary intake and energy metabolism of sheep fed chopped dried grass and the same material milled and pelleted. Wainman FW, et al. Proc Nutr Soc 30:23A-24A, May 71
The metabolism of fructose and glucose by the sheep foetus: studies on the isolated perfused preparation with radioactively labelled sugars. Alexander DP, et al. Q J Exp Physiol 55:346-62, Oct 70
Renal tubular reabsorption of urea in sheep. Scott D, et al. Q J Exp Physiol 55:275-83, Oct 70
The production of haemoglobin C by sheep at simulated high altitude. Blunt MH, et al. Res Vet Sci 11:191-3, Mar 70
The utilization of free amino acid and glucose carbon by sheep pregnant with twins. Ford EJ, et al. Res Vet Sci 11:575-9, Nov 70
The effect of oral ammonium molybdate and sodium sulphate given to lambs with high liver copper concentrations. Ross DB. Res Vet Sci 11:295-7, May 70
Absorption of chloride from the rumen of the sheep. Scott D. Res Vet Sci 11:291-3, May 70
Carbohydrate metabolism in newborn lambs and rats. Thomas PC, et al. Res Vet Sci 11:277-9, May 70
Role of the rumen mucosa in the sheep: relative changes in weight, and in the ability to metabolize propionate, during pregnancy and lactation. Weekes TE. Res Vet Sci 12:373-6, Jul 71
[Percutaneous absorption of 32P-trichlorophon and 32P-dimethoate in sheep] Dedek W, et al. Z Naturforsch [B] 25:1193-4, Oct 70 (Ger)
[Production of volatile fatty acids in the rumen of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sheep fed a semi-purified diet] Brüggemann J, et al. Z Tierphysiol 21:137-43, May 66 (Ger)
[Long-term catheterization of the vena cava caudalis and vena portae in sheep for the determination of circadian insulin release and insulin release after a glucose load. I] Kedenburg CP, et al. Zentralbl Veterinaermed [A] 17:726-34, Sep 70 (Ger)

PHYSIOLOGY

Relationship between uterine and umbilical venous PO2 in sheep. Rankin JH, et al. Am J Physiol 220:1688-92, Jun 71
Electromyographic and pressure studies of the esophagus of the sheep. Dougherty RW, et al. Am J Vet Res 32:1247-52, Aug 71
Blood coagulation values of sheep. Gajewski J, et al. Am J Vet Res 32:405-9, Mar 71
Effect of unilateral hysterectomy and separation or ligation of uterine horns on luteolytic action of intrauterine device in sheep. Ginther OJ. Am J Vet Res 31:2127-30, Dec 70
Response of corpora lutea to cauterization of follicles in sheep. Ginther OJ. Am J Vet Res 32:59-62, Jan 71
Cannulation of renal veins of sheep for long-term functional and metabolic studies. Kaufman CF, et al. Am J Vet Res 32:1103-7, Jul 71
Systematic study of preimplantation stages of pregnancy in the sheep. Bindon BM. Aust J Biol Sci 24:131-47, Feb 71
The role of progesterone in implantation in the sheep. Bindon BM. Aust J Biol Sci 24:149-58, Feb 71
The duration and intensity of oestrus in Finnsheep. Osborne HG. Aust Vet J 46:605, Dec 70
Relative palatability to sheep of straw, hay and dried grass. Greenhalgh JF, et al. Br J Nutr 26:107-16, Jul 71
The reproductive performance of British breeds of sheep in an equatorial environment. II. Lowland breeds. Beaty T, et al. Br Vet J 127:10-9, Jan 71
The reproductive performance of British breeds of sheep in an equatorial environment. I. Mountain breeds. Beaty T, et al. Br Vet J 127:1-9, Jan 71
The short-term effects of a simulated transfer to higher latitudes on breeding ewes. Williams HL, et al. Br Vet J 127:366-71, Aug 71
Steady state pulmonary transvascular water filtration in unanesthetized sheep. Staub NC. Circ Res 28:Suppl 1:135-9, Jan 71
Maintenance of ovine corpora lutea in the absence of ovarian follicles. Karsch FJ, et al. Endocrinology 87:1228-36, Dec 70
Effect of castration and infusion of melatonin on levels of luteinizing hormone in sera and pituitaries of ewes. Roche JF, et al. Endocrinology 87:1205-10, Dec 70
Nitrogen balance studies in high and low blood potassium type sheep. Ghosh PK, et al. Indian Vet J 47:737-41, Sep 70
Synchronization of estrus and shortening of the interval between lambings by induction of estrus and of ovulation during anestrus. Leman AD, et al. J Am Vet Med Assoc 157:1574-6, 1 Dec 70
Influence of ovarian status and intrauterine devices on the diamine oxidase and histamine content of sheep endometrium. Cooper BS, et al. J Anim Sci 31:1191-4, Dec 70
Response of ovaries to removal of corpora lutea in sheep. Dufour J, et al. J Anim Sci 32:1202-5, Jun 71
Reproductive performance of ewes in an early-weaning, controlled-breeding program. Ellington EF, et al. J Anim Sci 31:927-32, Nov 70
Evaluation of environmental factors affecting birth, weaning and yearling traits in Navajo sheep. Eltawil EA, et al. J Anim Sci 31:823-7, Nov 70
Effects of hormone combinations on estrus, ovulation and fertility in ewes. Falkenburg JA, et al. J Anim Sci 32:1206-11, Jun 71
Variations in acid labile conjugate of aldosterone in the urine of ewes. Horvath DJ, et al. J Anim Sci 32:682-4, Apr 71
Induction of multiovulation in the ewe following synchronization of estrus. Hunt WL, et al. J Anim Sci 32:491-5, Mar 71
Stability of diethylstilbestrol and its effect on performance in lambs. Hutcheson DP, et al. J Anim Sci 32:146-51, Jan 71
Effect of suckling on postpartum anestrus in ewes lambing in different seasons of the year. Mallampati RS, et al. J Anim Sci 32:673-7, Apr 71
Pituitary responsiveness to purified luteinizing hormone-releasing hormone (LH-RH) at various stages of the estrous cycle in sheep. Reeves JJ, et al. J Anim Sci 32:123-31, Jan 71
Studies on dose response relationship of luteninizing hormone-releasing hormone (LH-RH) in sheep. Reeves JJ, et al. J Anim Sci 31:933-6, Nov 70
Respiration rate and rectal temperature in the newborn lamb. Simms RH. J Anim Sci 32:296-300, Feb 71
Effect of diet upon levels of plasma growth hormone in sheep. Trenkle A. J Anim Sci 32:111-4, Jan 71
The sulfobromophthalein (BSP) liver function test for sheep. Tucker RE, et al. J Anim Sci 32:1190-4, Jun 71
Effect of homogenized embryos on IUD-induced luteal regression in the ewe. Warren JE Jr, et al. J Anim Sci 32:496-9, Mar 71
The organization of mechanoreceptive projections in the ventrobasal thalamus of sheep. Cabral RJ, et al. J Comp Neurol 141:17-35, Jan 71
Growth hormone, insulin, and glucose in suckling, weanling, and mature ruminants. Stern JS, et al. J Dairy Sci 54:1052-9, Jul 71
Effect of methane inhibitors on rumen metabolism and feedlot performance of sheep. Trei JE, et al. J Dairy Sci 54:536-40, Apr 71
The effect of progesterone on calcitonin release in the sheep. Bates RF, et al. J Endocrinol 49:vi-vii, Mar 71
Effect of oestrogen on oestrous behaviour and its variation with season in the ewe. Fletcher IC, et al. J Endocrinol 50:685-96, Aug 71
A comparison of progesterone levels during early pregnancy from normal sheep and sheep induced to breed by hormone treatment. Haynes NB, et al. J Endocrinol 49:xxx, Mar 71
Placental permeability to maternal thyroxine in the sheep. Hopkins PS, et al. J Endocrinol 49:549-50, Mar 71
A very early pregnancy test for mammals: its application to the cow, ewe and sow. Robertson HA, et al. J Endocrinol 49:407-19, Mar 71
Kinetics of progesterone metabolism in the pregnant sheep. Slotin CA, et al. J Endocrinol 49:xxx+, Mar 71
Influences of lambing and morbidity on weights of captive rocky mountain bighorns. Woolf A. J Mammal 52:242-3, Feb 71
Influence of oestrogen on thyroid function in the ewe. Falconer IR. J Physiol (Lond) 206:471-9, Feb 70
Sweat discharge in Welsh Mountain sheep. Johnson KG. J Physiol (Lond) 209:Suppl:35P+, Jul 70
The discharge of sweat in Welsh mountain sheep. Johnson KG. J Physiol (Lond) 215:743-53, Jul 71
Reflex onset of polypnoea in sheep. Phillips GD, et al. J Physiol (Lond) 208:339-52, Jun 70
Role of naso-buccal passages in thermoregulation in sheep. Phillips GD, et al. J Physiol (Lond) 208:329-37, Jun 70
Responses of unshorn and shorn sheep to thermal stress. Phillips GD, et al. J Physiol (Lond) 208:317-28, Jun 70
The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone and HCG. Baird DT, et al. J Reprod Fertil 25:308-9, May 71
Initiation of the oestrous cycle in the ewe by infusions of PGF 2 alpha-to the autotransplanted ovary. Barrett S, et al. J Reprod Fertil 24:136-7, Jan 71
Role of progesterone in implantation in the sheep. Bindon BM. J Reprod Fertil 24:146, Jan 71
Uterine production of oestrogens and progesterone at parturition in the sheep. Challis JR, et al. J Reprod Fertil 25:306-7, May 71
Ovarian secretion of estradiol during the oestrous cycle in the ewe. Cox RI, et al. J Reprod Fertil 24:133-4, Jan 71
Regulation of the oestrous cycle in the ewe. Cumming IA, et al. J Reprod Fertil 24:148-9, Jan 71
Constancy of interval between luteinizing hormone release and ovulation in the ewe. Cumming IA, et al. J Reprod Fertil 24:134-5, Jan 71
The biosynthesis of oestrogens in the ovine foeto-placental unit. Findlay JK, et al. J Reprod Fertil 24:141-2, Jan 71
Effect of rams on the duration of oestrous behaviour in ewes. Fletcher IC, et al. J Reprod Fertil 25:253-9, May 71
The seasonal nature of reproductive phenomena in the sheep. I. Variation in sensitivity to oestrogen. Gibson WR, et al. J Reprod Fertil 24:9-18, Jan 71
Ovum transport in the ewe. Holst PJ. J Reprod Fertil 24:132, Jan 71
The incidence of oestrus during lactation in Finnish Landrace, Dorset Horn and Finn-Dorset sheep. Land RB. J Reprod Fertil 24:345-52, Mar 71
A relationship between the duration of oestrus, ovulation rate and litter size of sheep. Land RB. J Reprod Fertil 23:49-53, Oct 70
Effects of site of insemination, sperm motility and contractions of the genital tract on the transport of spermatozoa in the ewe. Lightfoot RJ, et al. J Reprod Fertil 24:151-2, Jan 71
Progesterone in utero-ovarian venous plasma during pregnancy in ewes. Mattner PE, et al. J Reprod Fertil 24:140-1, Jan 71
Studies of the stimulating effect of bicarbonate on the metabolism of ram spermatozoa. Murdoch RN, et al. J Reprod Fertil 25:231-42, May 71
Application of a competitive protein-binding assay for oestrogens to the study of ovarian function in sheep. Obst JM, et al. J Reprod Fertil 24:140, Jan 71
Steroid-induced gonadotrophin release in the ewe. Radford HM, et al. J Reprod Fertil 24:147-8, Jan 71
The effect of lamb removal on reproductive activity in Dorset Horn x Merino ewes after lambing. Restall BJ. J Reprod Fertil 24:145-6, Jan 71
The seasonal nature of reproductive phenomena in the sheep. II. Variation in fertility following synchronization of oestrus. Robinson TJ. J Reprod Fertil 24:19-27, Jan 71
The second Hammond Memorial Lecture. The role of reproductive research in animal production. Rowson LE. J Reprod Fertil 26:113-28, Jul 71
Studies on the growth and atresia of graafian follicles in the ovary of the sheep. Smeaton TC, et al. J Reprod Fertil 25:243-52, May 71
Ewe fertility--production of cervical mucus. Smith JF. J Reprod Fertil 24:132, Jan 71
A chronic renal model for the fetus. Bernstine RL. Lab Anim Care 20:949-56, Oct 70
Diet and the fatty acids in the plasma of lambs during the first eight days after birth. Noble RC, et al. Lipids 6:26-34, Jan 71
Sharp increase in free circulating oestrogens immediately before parturition in sheep. Challis JR. Nature (Lond) 229:208, 15 Jan 71
The role of the central nervous system in perinatal respiration: studies of chemoregulatory mechanisms in the term lamb. Herrington RT, et al. Pediatrics 47:857-64, May 71
Methods of measuring flow of duodenal digesta in sheep. Corse DA, et al. Proc Nutr Soc 30:18A-19A, May 71
The oesophageal groove reflex and the performance of individually versus group-fed lambs. Lawlor MJ, et al. Proc Nutr Soc 30:24A-25A, May 71
Cardiovascular parameters in shorn sheep prior to and during their exposure to a cold, wet environment. Panaretto BA, et al. Q J Exp Physiol 56:101-7, Apr 71
An automatic device for sampling digesta from the duodenum of the sheep. Axford RF, et al. Res Vet Sci 12:128-31, Mar 71
Observations on hypertrophy of the liver in breeding ewes. Campbell RM, et al. Res Vet Sci 11:540-7, Nov 70
Observations on electrically-induced ejaculation in rams. Hovell GJ. Vet Rec 87:38, 11 Jul 70
Potential uterine capacity in low, medium and highly fertile breeds of sheep. Lawson RA. Vet Rec 88:210, 20 Feb 71
Some aspects of reproductive efficiency in sheep. Lees JL. Vet Rec 88:86-95, 23 Jan 71
A comparison between the use of a vasectomised ram and hormone impregnated intravaginal sponges. Ross DB. Vet Rec 87:273-5, 29 Aug 70
Production of an extra summer crop of lambs. Ross DB. Vet Rec 89:149-50, 31 Jul 71
The reproductive efficiency of British breeds of sheep in an equatorial environment. Williams HL. Vet Rec 87:37, 11 Jul 70
Influences of hypercapnia on cardiac function in the newborn lamb. Downing SE, et al. Yale J Biol Med 43:243-56, Feb-Apr 71
Investigations on urinary estrogen excretion from ewes with special reference to the clinical condition of the genital tract. II. Pregnancy and puerperium. Osman AM, et al. Zentralbl Veterinaermed [A] 18:75-84, Jan 71
[In utero respiratory movements in the lamb fetus] Merlet C, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:428-30, Sep-Oct 70 (Fre)
[Demonstration of respiratory movements of the sheep fetus in utero] Merlet C, et al. J Physiol (Paris) 62:Suppl 3:416-7, 1970 (Fre)
[Influence of fodder on rumination in cattle and sheep] Ruckebusch Y. Monatsh Vet Med 25:184-91, 1 Mar 70 (Ger)
[Studies on the regulation of sexual function in sheep and swine] Harasztl J. Wien Tieraerztl Monatsschr 57:196-200, May 70 (Ger)

RADIATION EFFECTS

Serum organic acids in sheep exposed to neutron-gamma irradiation, air blast, or both. Henderson TR, et al. Clin Chem 16:697-701, Aug 70
Recovery of sheep after whole-body irradiation: a comparison of changes in radiosensitivity after acute or protracted exposure. Page NP, et al. Radiat Res 46:301-16, May 71

SHEEP DISEASES (C15)

Experimental fascioliasis in Australia. Boray JC. Adv Parasitol 7:95-210, 1969 (284 ref.)
The toxicity of Cheilanthes sieberi to cattle and sheep. Clark IA, et al. Aust Vet J 47:149-52, Apr 71
Peri-parturient deposition of nematode eggs by ewes and residual pasture contamination as sources of infection for lambs. Salisbury JR, et al. Aust Vet J 46:523-9, Nov 70
An observation on the maturation of arrested Haemonchus contortus larvae in sheep. Blitz NM, et al. Can J Comp Med 35:178-9, Apr 71
Blood coagulation valves in normal sheep and in two mutant strains with hyperbilirubinaemia. Osbaldiston GW, et al. Can J Comp Med 35:150-4, Apr 71
Chronic copper poisoning in feeder lambs. Tait RM, et al. Can Vet J 12:73-5, Mar 71
Investigations into schistosomiasis in sheep in Mashonaland. McKenzie RL. Cent Afr J Med Suppl:27-8, Jul 70
Aspergilli associated with respiratory tract of poultry,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

buffaloes, sheep and goats. Singh MP, et al. Indian Vet J 47:624-7, Aug 70
Influence of certain nutritional and physiological factors on urea toxicity in sheep. Kromann RP, et al. J Anim Sci 32:732-9, Apr 71
Experimental pneumonia of sheep. Clinical, microbiological and pathological responses to infection with Myxovirus parainfluenzae 3 and Pasteurella haemolytica. Biberstein EL, et al. J Comp Pathol 81:339-51, Jul 71
Observations on ovine strains of tick-borne fever. Foster WN, et al. J Comp Pathol 80:429-36, Jul 70
Osteodystrophic diseases of sheep. IV. Osteomalacia and osteoporosis in lactating ewes on West Scotland hill farms. Nisbet DI, et al. J Comp Pathol 80:535-42, Oct 70
Bronchopulmonary aspergillosis in lamb. Fragner P, et al. Mycopathologia Mycol Appl 40:337-40, 31 Aug 70
A request for sheep with testicular feminization. Bruere AN. NZ Vet J 18:173-4, Aug 70
The post-parturient rise in the faecal nematode egg count of ewes: some host-parasite relationships. Brunsdon RV. NZ Vet J 19:100-7, May 71
The post-parturient rise: a comparison of the pattern and relative generic composition of faecal strongyle egg counts in ewes and wethers. Brunsdon RV, et al. NZ Vet J 19:32-7, Mar 71
Diverticulosis and muscular hypertrophy of the small intestine of horses, pigs and sheep. Cordes DO, et al. NZ Vet J 19:108-11, May 71
Breeding soundness in the ram: a review of the proceedings and resolutions from two seminars held in 1964 and 1969. Quinlivan TD. NZ Vet J 18:233-40, Nov 70
Salmonellosis in sheep wintered outdoors on straw and sawdust pads. Tannock GW, et al. NZ Vet J 19:29-32, Mar 71
Contagious agalactia of sheep and goats. The serial passage in goats of an attenuated strain of Mycoplasma agalactiae AIK40. Foggie A, et al. Res Vet Sci 11:477-9, Sep 70
The pathogenicity of Fasciola hepatica in previously infected, corticosteroid-treated lambs. Sinclair KB. Res Vet Sci 11:209-16, May 70
A Salmonella carrier state of sheep following intranasal inoculation. Tannock GW, et al. Res Vet Sci 12:371-3, Jul 71
Segmental necrosis of the ileum in a lamb, associated with a phycomycete. Angus KW, et al. Vet Rec 88:654-6, 19 Jun 71
An outbreak of salmonellosis in sheep. Baker JR, et al. Vet Rec 88:270-7, 13 Mar 71
Mummified fetus in a ewe. Blythman WG. Vet Rec 88:694-5, 26 Jun 71
Atresia ilei in a lamb. Dennis SM, et al. Vet Rec 89:254, 28 Aug 71
A clinical study of ram infertilities in Scotland. Fraser AF, et al. Vet Rec 89:154-8, 7 Aug 71
Perineal hypospadias in a ram. Gilanpour H. Vet Rec 88:657-8, 19 Jun 71
S. dublin abortion in sheep. Gitter M, et al. Vet Rec 87:775-8, 19 Dec 70
Intestinal haemorrhage syndrome in artificially-reared lambs. Penning PD, et al. Vet Rec 88:613-5, 5 Jun 71
Cobalt deficiency in ruminants. Robertson WW. Vet Rec 89:5-12, 3 Jul 71 (65 ref.)
A ram with posterior duplication. Ryder ML, et al. Vet Rec 86:769-71, 27 Jun 70
Border Disease of sheep. Shaw IG. Vet Rec 87:38, 11 Jul 70
Intestinal haemorrhage syndrome in artificially reared lambs. Shaw WB. Vet Rec 88:700, 26 Jun 71
Experimental salmonellosis in sheep. White G, et al. Vet Rec 88:371, 3 Apr 71
Parasitic skin diseases of large animals. Wood JC. Vet Rec 87:471-3, 17 Oct 70
Studies on hypomagnesaemia in sheep as influenced by fertilizer treatment of pasture. Hvidsten H. Z Tierphysiol 23:210-9, Apr 67
[Attempted experimental reproduction of necrotic hepatitis] Katitch RV, et al. Bull Acad Vet Fr 42:33-40, Jan 69 (Fre)
[Enzootic "viral" (Rakeia) abortion in goats] Lecoanet J, et al. Bull Acad Vet Fr 44:61-4, Jan 71 (Fre)
[Positive sero-reactions with the neorickettsial group (Bedsonia, Cytoecetes phagocytaphilia) observed in animals parasitized with Anaplasma, Babesia, Theileria, in different countries: Oriental and Central Africa, Madagascar, Iran, Sardinia, France] Giroud P, et al. Bull Soc Pathol Exot 63:630-5, Nov-Dec 70 (Fre)
[On the infestation of East African wild animals with parasitic fly larvae (Diptera, Oestridae)] Sachs R. Acta Trop (Basel) 27:281-90, 1970 (Ger)
[Transmissibility of enzootic bovine leukosis to the sheep] Wittmann W, et al. Monatsh Vet Med 25:218-21, 15 Mar 70 (Ger)
[Stomatology of ruminants (Ruminantia)] Hochstrasser G. Wien Tieraerztl Monatsschr 57:111-3, 1970 (Ger)
[Intestinal paramphistomiasis in ruminants. Experimental infection of sheep with metacercariae and immature forms of Paramphistomum cervi (Schrank, 1790)] Arru E, et al. Riv Parassitol 31:33-42, Mar 70 (Ita)
[Trematode infections of ruminants in Uzbekistan] Azimov ShA, et al. Veterinariia 8:61-3, Aug 70 (Rus)
[Ultrastructure of the causative agent of ovine anaplasmosis] D'iakonov LP, et al. Veterinariia 11:43-5, Nov 70 (Rus)
[A case of "black disease" in sheep] Gariev VG, et al. Veterinariia 8:66, Aug 70 (Rus)

BLOOD

Auto-reactivity to haemoglobin in the sera of cattle and sheep infected with haemolytic bacteria. Spooner RL. Biochem J 119:35P-36P, Oct 70
Comparative studies on surface fixation test and tube agglutination test for diagnosis of brucellosis in sheep and goats. Arora BM, et al. Indian Vet J 48:449-53, May 71
Observations on the functional integrity of neutrophil leucocytes infected with tick-borne fever. Foster WN, et al. J Comp Pathol 80:487-91, Jul 70
Increase in plasma progesterone caused by undernutrition during early pregnancy in the ewe. Cumming IA, et al. J Reprod Fertil 24:146-7, Jan 71
Plasma progesterone concentrations during pregnancy and parturition of ewes grazing yarloop clover. Obst JM, et al. J Reprod Fertil 26:259-62, Aug 71
Haemoglobin type and fertility of Merino ewes grazing oestrogenic (Yarloop clover) pastures. Obst JM, et al. Nature (Lond) 232:497-8, 13 Aug 71
Eperythrozoon ovis--a blood parasite of sheep. Sutton RH. NZ Vet J 18:156-64, Aug 70 (54 ref.)
[Influence of the Ca and P supply on the Mg blood level in Mg-deficiency] Meyer H, et al. Dtsch Tieraerztl Wochenschr 77:640-2, 15 Dec 70 (Ger)

CEREBROSPINAL FLUID

[Action of cerebrospinal fluid glucose in Borna disease of the sheep and horse] Lippmann R. Acta Vet Acad Sci Hung 20:411-8, 1970 (Ger)

CHEMICALLY INDUCED

Cumulative toxicity of lead arsenate in phenothiazine given to sheep. Bennett DG Jr, et al. Am J Vet Res 32:727-30, May 71
Pathologic changes resulting from acute ammonium salt poisoning in sheep. Singer RH, et al. Am J Vet Res 32:1239-46, Aug 71
Acute ammonium salt poisoning in sheep. Singer RH, et al. Am J Vet Res 32:1229-38, Aug 71
Experimental acute ammonium oxalate poisoning of sheep. James MP, et al. Aust Vet J 47:9-17, Jan 71
Toxicologic effects of five soil nematocides in cattle and sheep. Schlinke JC. J Am Vet Med Assoc 155:1364-6, 15 Oct 67
Histopathological and enzyme histochemical studies on experimental chronic copper poisoning in sheep. Ishmael J, et al. J Pathol 103:p13, Feb 71
Experimental chronic copper toxicity in sheep. Histological and histochemical changes during the development of the lesions in the liver. Ishmael J, et al. Res Vet Sci 12:358-66, Jul 71
Sporidesmin poisoning in sheep. The effects on lipid and bile acid metabolism as reflected in serum. Peters JA, et al. Res Vet Sci 11:183-8, Mar 70
[Sodium chlorate as cause of poisoning in sheep] Wilhelm A, et al. Monatsh Vet Med 24:415-7, 1 Jun 69 (Ger)
[Crude oil poisoning in sheep] Monatsh Vet Med 24:32, 1 Jan 69 (Ger)

COMPLICATIONS

The effect of fasciolosis on the wool production of merino sheep. Roseby FB. Aust Vet J 46:361-5, Aug 70
Interaction of fetal disease and the onset of labor in cattle and sheep. Kennedy PC. Fed Proc 30:110-3, Jan-Feb 71

CONGENITAL

Congenital unilateral hydronephrosis in lamb. Paikne DL, et al. Indian Vet J 47:720-1, Sep 70
A report of 'congenital spasms' in sheep. Singh VK. Indian Vet J 47:913-4, Oct 70
An achondroplastic syndrome in South County Cheviot sheep. Wray C, et al. Vet Rec 88:521-2, 15 May 71

DIAGNOSIS

A simple method of collecting saliva to determine the sodium status of cattle and sheep. Murphy GM, et al. Aust Vet J 46:595-8, Dec 70
Investigations of ovine brucellosis in Merino rams of Western Australia. Watt DA. Aust Vet J 46:506-8, Oct 70
Laboratory diagnosis of nitrite poisoning in sheep and cattle. Watts H, et al. Aust Vet J 45:492, Oct 69
Comparison of various serological tests on the milk of sheep in relation to the isolation of Brucella melitensis. Ebadi A. Br Vet J 127:105-12, Mar 71
A comparative study of serological diagnostic tests of leptospirosis. Singh SP. Indian Vet J 47:817-9, Oct 70
Nomenclature and morphology of Ostertagia trifurcata Ransom, 1907, with data on spicule lengths of five stomach worms of ruminants. Becklund WW, et al. J Parasitol 57:508-16, Jun 71
Within-flock variations in strongyle worm infections in sheep: the need for adequate diagnostic samples. Brunsdon RV. NZ Vet J 18:185-8, Sep 70
Further field studies on the fluorescent antibody test in the diagnosis of ovine abortion due to toxoplasmosis. Archer JF, et al. Vet Rec 88:178-80, 13 Feb 71
A field trial of the fluorescence antibody test for toxoplasmosis in the diagnosis of ovine abortion. Archer JF, et al. Vet Rec 88:206-8, 20 Feb 71
The measurement of haemoglobin reactive protein in ruminants as an aid to the diagnosis of acute inflammation. Spooner RL, et al. Vet Rec 88:2-4, 2 Jan 71
[Study of the efficiency of a quantitative coproscopic technic for the routine diagnosis and control of parasitic infestations of cattle, sheep, horses and swine] Raynaud JP. Ann Parasitol Hum Comp 45:321-42, May-Jun 70 (Fre)
[Possibilities and results of veterinary breeding hygiene methods on reproduction in herds of sheep] Jacob WK. Monatsh Vet Med 26:425-32, 1 Jun 71 (Ger)
[Experience in the biological diagnosis of hydatidosis in sheep with the indirect hemagglutination test and the latex test (micro-method on glass)] De Rosa F, et al. Acta Med Vet (Napoli) 15:395-403, Sep-Oct 69 (Ita)
[Experience in the biological diagnosis of hydatidosis in sheep, cattle, swine and horses with the indirect hemagglutination test] De Rosa F, et al. Acta Med Vet (Napoli) 16:403-9, Sep-Dec 70 (Ita)
[Etiopathogenesis and diagnosis of subclinical osteodystrophy in sheep] Beliakov IM. Veterinariia 11:88-9, Nov 70 (Rus)
[A method for isolating pure cultures of Fusiformis nodosus] Grishaev NE. Veterinariia 11:110-1, Nov 70 (Rus)
[Biotest on cats in contagious ecthyma in sheep] Grishaev NE, et al. Veterinariia 10:112-3, Oct 70 (Rus)
[Incomplete antibodies in the blood of animals with brucellosis] Kondaurov BI, et al. Veterinariia 11:59-61, Nov 70 (Rus)
[Feather grass disease of sheep] Shcherbakov NP. Veterinariia 7:85-6, Jul 70 (Rus)
[Infectious epididymitis of sheep] Trilenko PA, et al. Veterinariia 7:51-6, Jul 70 (Rus)
[Diagnosis of infectious epididymitis in rams with the use of the delayed complement fixation test] Trilenko PA. Veterinariia 8:107-9, Aug 70 (Rus)

DRUG THERAPY

Advances in veterinary antheimintic medication. Gibson TE. Adv Parasitol 7:349-73, 1969 (126 ref.)
Prophylactic and therapeutic vaccination against ovine foot-rot. Egerton JR, et al. Aust Vet J 46:517-22, Nov 70
Clioxanide, a new anthelmintic active against Fasciola hepatica and Haemonchus contortus in sheep. Pearson IG, et al. Aust Vet J 46:480-4, Oct 70
A chemotherapeutic agent for all stages of liver fluke disease in sheep. Dickerson G, et al. Br Vet J 127:xi, Aug 71
A controlled test of methyridine, thiabendazole and parbendazole against Haemonchus contortus and Trichostrongylus colubriformis in lambs. Gibson TE, et al. Br Vet J 127:201-6, May 71
The evaluation of three anthelmintics against Nematodirus battus in lambs by means of the improved controlled test. Gibson TE, et al. Br Vet J 127:28-31, Aug 71
Efficiency of haloxon against some sheep gastro-intestinal nematodes in a coastal region of Tanzania. Ilmolelian LL. Br Vet J 126:420-6, Aug 70
The effect of Fasciola hepatica of hexachlorophane and nitroxynil (4-cyano-2-iodo-6-nitrophenol) in combination. Kendall SB, et al. Br Vet J 127:149-53, Apr 71
Nilverm (tetramisole) as an anthelmintic of outstanding efficiency. Katiyar RD. Indian Vet J 47:1047-56, Dec 70
Observations on the treatment of amphistomiasis in sheep. Nath D. Indian Vet J 48:853-5, Jun 71
Comparative activity of thiabendazole, levamisole, and parbendazole against natural infections of helminths in sheep. Kates KC, et al. J Parasitol 57:356-62, Apr 71
Effect of management systems on the growth of lambs and development of internal parasitism. 3. Field trials with lambs on soilage and pasture involving medication with N.F. and purified grades of phenothiazine. Lindahl IL, et al. J Parasitol 56:991-9, Oct 70
The efficacy of 3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy)-salicylanilide against immature Fasciola hepatica in sheep. Campbell WC, et al. Res Vet Sci 11:99-100, Jan 70
The efficacy of rafoxanide (3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy) salicylanilide) against Haemonchus contortus in sheep. Egerton JR, et al. Res Vet Sci 11:382-8, Jul 70
The efficacy of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

5-isopropoxy-carbonylamino-2-(4-thiazolyl) benzimidazole against helminths of sheep. Egerton JR, et al. Res Vet Sci 11:193-5, Mar 70
The use of mature sheep in anthelmintic tests. A hazard of the controlled test. Gibson TE, et al. Res Vet Sci 11:487-9, Sep 70
The effect of treatment with emetine on sheep infected with immature Fasciola hepatica. Sinclair KB. Res Vet Sci 11:293-5, May 70
The anthelmintic activity of rafoxanide against immature Fasciola hepatica in sheep. Armour J, et al. Vet Rec 87:213-4, 15 Aug 70
Controlled anthelmintic trials in sheep with a combination of morantel and diethylcarbamazine. Cornwell RL, et al. Vet Rec 88:277-83, 13 Mar 71
The efficiency of a paste formulation of hexachlorophene against Fasciola hepatica in sheep. Czipri DA. Vet Rec 87:531-6, 31 Oct 70
The efficacy of Rafoxanide against the larval stages of Oestrus ovis in sheep. Roncalli RA, et al. Vet Rec 88:289-90, 13 Mar 71
Treatment of experimental Fasciola hepatica infection of sheep with rafoxanide. Ross DB. Vet Rec 87:110-1, 25 Jul 70
Dursban--its efficiency against the sheep tick. Treeby P. Vet Rec 87:221-2, 15 Aug 70
Methanogenesis and propionate production in the rumen as influenced by therapeutics against ketosis. Prins RA. Z Tierphysiol 26:147-51, Apr 70
[Study of the acute toxicity, for sheep, of a new fasciolocide: 3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy)-salicylanilide] Guilhon J, et al. Bull Acad Vet Fr 44:33-7, Jan 71 (Fre)
[Action of 3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy)-salicylanilide on immature forms of Fasciola hepatica] Guilhon JF, et al. Bull Acad Vet Fr 43:419-26, Dec 70 (Fre)
[Treatment of staphylococcal mastitis in the ewe with massive intramuscular injection of penicillin] Roguinsky M. Bull Acad Vet Fr 41:259-69, Jun 68 (Fre)
[Anthelmintic capacity of N-(-2'-chloro-4'nitrophenyl)-5 chlorosalicylamide in sheep] Graber M. Rev Elev Med Vet Pays Trop 22:217-28, 1969 (Fre)
[The anthelmintic power of Bromophenophos studied with various endoparasites of sheep and zebus in the republic of Chad] Guilhon J, et al. Rev Elev Med Vet Pays Trop 23:199-206, 1970 (Fre)
[Treatment of sheep estrosis by the injection of an organophosphorus insecticide, Dimethoate] Ullenberg G, et al. Rev Elev Med Vet Pays Trop 24:43-6, 1971 (Fre)
[Tolerance and pharmacokinetics of Terenol, a new tapeworm preparation for sheep] Christ O, et al. Berl Munch Tieraerztl Wochenschr 83:61-5, 15 Feb 70 (Ger)
[Treatment of sheep with the tapeworm drug, Terenol] Behrens H, et al. Dtsch Tieraerztl Wochenschr 77:101-4, 1 Mar 70 (Ger)
[Terenol in the treatment of tapeworm in sheep] Pfeiffer A. Dtsch Tieraerztl Wochenschr 77:104-7, 1 Mar 70 (Ger)
[Pathomorphological changes in the excretory system of cestodes caused by tin arsenate] Koshkina NG. Med Parazitol (Mosk) 39:497, Jul-Aug 70 (Rus)
[Oxide and mansonil in monieziasis and thysanieziasis in sheep] Al'kov MV. Veterinariia 10:81-2, Oct 70 (Rus)
[Efficacy of hexachlorophene during the early developmental stages of Fasciola] Grigorian GA, et al. Veterinariia 9:65-6, Sep 70 (Rus)
[Effectiveness of dibiomycin in emphysematous anthrax] Kagan FI, et al. Veterinariia 6:50-1, Jun 70 (Rus)
[Treatment of infectious mastitis in sheep] Safarov IuB, et al. Veterinariia 9:105-7, Sep 70 (Rus)
[Effeciveness of treatment of lambs with nematodirosis] Shafkenov BSh. Veterinariia 7:64-6, Jul 70 (Rus)
[Results of helminthiasis control in sheep] Tormyshev AP. Veterinariia 7:63-4, Jul 70 (Rus)
[Fenasal antihelmintic treatment in anoplocephalatosis in sheep] Vyshemirskif IP, et al. Veterinariia 8:66-7, Aug 70 (Rus)

ENZYMOLOGY

Observations on serum adenosine deaminase activity in experimentally produced liver diseases of cattle and sheep: yellow-wood, lantana, carbon tetrachloride and chronic copper poisoning. Hunt S, et al. Br Vet J 126:74-81, Feb 70
Thiaminase I in the development of cerebrocortical necrosis in sheep and cattle. Edwin EE, et al. Nature (Lond) 228:772-4, 21 Nov 70
The implication of ruminal thiaminase in cerebrocortical necrosis. Edwin EE, et al. Proc Nutr Soc 30:7A, May 71
Plasma enzyme and metabolite concentrations in cerebrocortical necrosis. Edwin EE. Vet Rec 87:396-8, 3 Oct 70
Changes in lactate dehydrogenase(LDH) isoenzymes associated with retinal degeneration of ewes affected with bright blindness. Patterson DS, et al. Vet Rec 87:760-1, 12 Dec 70
[Thiaminase and methods of its detection] Kurochka NE. Veterinariia 12:86-7, Dec 70 (Rus)

ETIOLOGY

The inter-relationship of endo-parasites in wild cervids (Capreolus capreolus L. and Alces alces L.) and domestic ruminants in Sweden. Nilsson O. Acta Vet Scand 12:36-68, 1971
Salmonella dublin as a cause of diarrhea and abortion in ewes. Meinershagen WA, et al. Am J Vet Res 31:1769-71, Oct 70
Bloat in sheep grazing wild gooseberry, Nicandra physaloides. Cohen RD. Aust Vet J 46:599, Nov 70
Field observations on four outbreaks of maternal dystocia in the Merino ewe. Maxwell JA. Aust Vet J 46:533-6, Nov 70
Clinical aspects of nutritional infertility of ewes. Moule GR. Aust Vet J 46:428-35, Sep 70
Actinobacillus seminis as a cause of polyarthritis and posthitis in sheep. Watt DA, et al. Aust Vet J 46:515, Oct 70
Studies on the pathogenicity of massive infections of Fasciola hepatica L. in lambs. Pullan NB, et al. Br Vet J 126:543-58, Oct 70
Escherichia coli in newborn lambs. Shaw WB. Br Vet J 127:214-9, May 71
The effect of splenectomy on the pathogenicity of Fasciola hepatica in the sheep. Sinclair KB. Br Vet J 126:15-29, Jan 70
Bright blindness in sheep--the relationship to environment. Watson WA, et al. Br Vet J 126:482-6, Sep 70
Haemaphysalis (Herpetobia) sundrai Sharif (Ixodoidea: Ixodidae), a tick parasitizing sheep in the western Himalayas, redescription of female, description of male, and ecological observations. Dhanda V, et al. J Parasitol 57:646-50, Jun 71
Experimental infection of domestic sheep with Trichostrongylus colubriformis from natural infections in black-tailed jackrabbits. Samson KS. J Parasitol 56:1037, Oct 70
Some clinical aspects of hypo-orchidism (small testes) in the ram. Bruere AN. NZ Vet J 18:189-98, Sep 70 (56 ref.)
Dystocia in sheep: preliminary observations on within- and between-breed differences in various skeletal measurements. Quinlivan TD. NZ Vet J 19:73-7, Apr 71
Seasonal change in a balanced polymorphism in Haemonchus contortus populations. LeJambre LF, et al. Parasitology 62:151-5, Feb 71
Bright blindness in sheep. A primary retinopathy due to feeding bracken (Pteris aquilina). Barnett KC, et al. Res Vet Sci 11:289-90, May 70
Retinopathy in sheep affected with natural scrapie. Barnett KC, et al. Res Vet Sci 12:383-5, Jul 71
The occurrence of vaginal eversion and allied disorders in fat ewes. Davies FG. Res Vet Sci 11:86-90, Jan 70
Maladjustment syndrome in the artificial rearing of early weaned lambs. Lawlor MJ, et al. Vet Rec 88:260-1, 6 Mar 71
A combined investigation of the epidemiology of Fasciola hepatica infections in lambs and the ecology of Lymnaea truncatula. Ross JG, et al. Vet Rec 87:278-82, 5 Sep 70
Experimental infection of the ovine cornea with Neisseria ovis. Spradbrow P. Vet Rec 88:615-6, 5 Jun 71
Epizootics of toxoplasmosis causing ovine abortion. Watson WA, et al. Vet Rec 88:120-4, 30 Jan 71
Ovine abortion due to experimental toxoplasmosis. Watson WA, et al. Vet Rec 88:42-5, 9 Jan 71
[Oribatidae as vectors of Moniezia expansa (RUDOLPHI, 1810) of sheep in the Fort Lamy region] Graber M, et al. Rev Elev Med Vet Pays Trop 22:521-7, 1969 (Fre)
[Copper deficiency diseases of sheep in Turkey] Kehrer A. Berl Munch Tieraerztl Wochenschr 83:371-8, 1 Oct 70 (Ger)
[An enzootic calcinosis in cattle. 4. Studies in sheep with selective feeding of clover, graminae or herbs] Dirksen G, et al. Dtsch Tieraerztl Wochenschr 78:9-12, 1 Jan 71 (Ger)
[Urolithiasis in fattening lambs] Talos V, et al. Monatsh Vet Med 26:139-42, 15 Feb 71 (Ger)
[Milk diet and the formation of trichobezoars in sheep] Manunta G, et al. Arch Vet Ital 19:241-50, 31 Aug 68 (Ita)
[Etiopathogenesis of ketosis in sheep] Guliam Abubakr Popal. Veterinariia 11:89-91, Nov 70 (Rus)
[Pathogenesis of thin-necked cysticercosis in sheep and goats] Orekhov MD. Veterinariia 8:67-9, Aug 70 (Rus)
[Poisoning of lambs by meadow saffron] Tribunskif MP. Veterinariia 6:71-2, Jun 70 (Rus)

FAMILIAL & GENETIC

Epitheliogenesis imperfecta in lambs and kittens. Munday BL. Br Vet J 126:xlvii, Dec 70
Genetic variation in mineral metabolism of ruminants. Wiener G, et al. Proc Nutr Soc 30:91-101, May 71
Increased bilirubin production from sources other than circulating erythrocytes in mutant Southdown sheep. Mia AS, et al. Proc Soc Exp Biol Med 136:227-30, Jan 71

IMMUNOLOGY

Efficacy of combined bacterins for experimental immunization of sheep against ovine vibriosis and chlamydial abortion of ewes. Meinershagen WA, et al. Am J Vet Res 32:51-7, Jan 71
Immunoserologic properties of antigens from Vibrio fetus of ovine origin. Myers LL, et al. Am J Vet Res 31:1773-7, Oct 70
Haemonchus contortus infection in sheep: active and passive immunity in sheep given oral iron supplement. Scott HL, et al. Am J Vet Res 32:249-62, Feb 71
Investigations of acquired immunity to Trichostrongylus axei infections in seven-month-old lambs. Ross JG. Br Vet J 126:648-51, Dec 70
Acquired resistance to Fasciola hepatica in sheep. Sinclair KB. Br Vet J 127:125-36, Mar 71
Immunocytochemical localization of the ovine immunoglobulins IgA, IgG1, IgG1-A and IgG2: effect of gastro-intestinal parasitism in the sheep. Curtain CC, et al. Clin Exp Immunol 8:151-62, Jan 71
In vitro detection of homocytotropic antibody in lungworm-infected Rocky Mountain Bighorn sheep. Hudson RJ, et al. Clin Exp Immunol 8:345-54, Feb 71
Autoimmunity in the pathogenesis of infectious ovine epididymitis. Shott L, et al. Cornell Vet 61:281-96, Apr 71
Observations on non-specific reactions to tuberculin in sheep and goats with Corynebacterium ovis. Shukla R, et al. Experientia 27:204-5, 15 Feb 71
Immunization of feedlot lambs with enterotoxemia toxoid and bacterin. Pierson RE. J Am Vet Med Assoc 152:380-1, 15 Feb 68
The occurrence of bactericidal antibodies against Fusiformis nodosus in sheep serum. Egerton JR, et al. J Comp Pathol 80:369-76, Jul 70
Contagious agalactia of sheep and goats. Immunity of lactating ewes vaccinated before mating with live or dead vaccines. Foggie A, et al. J Comp Pathol 81:393-400, Jul 71
Immunity produced against Taenia ovis and T. taeniaeformis infection in lambs and rats following in vivo growth of their larvae in filtration membrane diffusion chambers. Rickard MD, et al. J Parasitol 57:571-5, Jun 71
Cold hemagglutinin associated with leptospiral hemolytic anemia in the sheep. Freeman MJ, et al. Proc Soc Exp Biol Med 135:887-92, Dec 70
Radioactive antibody studies on Dictyocaulus filaria infection. Movsesijan M, et al. Res Vet Sci 12:282-4, May 71
Investigations of the ability of strains of Trichostrongylus axei to produce immunity in calves and sheep. Ross JG. Res Vet Sci 11:377-9, Jul 70
Genetic differences in the susceptibility of sheep to infection with Trichostrongylus axei. A comparison of Scottish Black-face and Dorset breeds. Ross JG. Res Vet Sci 11:485-8, Sep 70
The strength and duration of immunity to Dictyocaulus filaria infection in sheep and goats. Wilson GI. Res Vet Sci 11:7-17, Jan 70
Studies on the immunologic host-parasite relationships. II. Comparative electrophoretic and immunoelectrophoretic studies on experimental Trichinella spiralis infection in swine and sheep. Pavlov P, et al. Z Immunitaetsforsch Exp Klin Immunol 141:398-405, Jun 71
Studies on the duration of immunity conferred by a live-modified sheep pox tissue culture virus vaccine. Ramyar H, et al. Zentralbl Veterinaermed [B] 17:869-74, Sep 70
[Measurement of immunity of cattle against foot-and-mouth disease with the use of the sheep test] Fédida M, et al. Bull Off Int Epizoot 73:687-701, Jul-Aug 70 (Fre)
[Characteristics of immunity against foot-and-mouth disease in vaccinated sheep] Fédida M, et al. Bull Off Int Epizoot 73:653-86, Jul-Aug 70 (Fre)
[Foot-and-mouth disease of sheep] Mackowiak C. Bull Off Int Epizoot 73:703-14, Jul-Aug 70 (Fre)
[Study of the blood serum of sheep vaccinated against brucellosis] Abidzhanov MS, et al. Veterinariia 8:47-8, Aug 70 (Rus)

METABOLISM

Sulfobromophtaalein sodium excretion and hepatic storage in Corriedale and Southdown sheep with inherited hepatic dysfunction. Gronwall R. Am J Vet Res 31:2131-3, Dec 70
Effect of acute indigestion on compartmental water volumes and osmolality in sheep. Huber TL. Am J Vet Res 32:887-90, Jun 71
Blood chemical and pancreatic histologic alterations in alloxan-diabetic ewes and their fetuses. Jackson HD, et al. Am J Vet Res 31:1577-87, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Tocopherol concentrations in the serum and liver of lambs with white muscle disease. Caravaggi C, et al. Aust Vet J 46:404, Aug 70

Some metabolic aspects of vitamin B 12 deficiency in sheep. Smith RM, et al. Br J Nutr 24:879-91, Dec 70

Production disease in ruminants under conditions of modern intensive agriculture. Payne JM. Int Rev Exp Pathol 9:191-232, 1970 (176 ref.)

Energy balance during heat stress in sheep. Ames DR, et al. J Anim Sci 32:784-8, Apr 71

59Fe retention in sheep as a function of age and of artificially induced parasitism with Haemonchus contortus. Anderson JJ, et al. J Anim Sci 32:1195-201, Jun 71

Plasma and urinary components in vitamin A-deficient ewes. Webb KE Jr, et al. J Anim Sci 32:157-60, Jan 71

Theoretical quantitative approach to the mechanism of hypoglycemic ketosis in ruminants. Adler JH. J Theor Biol 28:101-9, Jul 70

The effect of nematode parasitism on intake, growth and mineral metabolism of growing lambs. Reveron AE, et al. Proc Nutr Soc 30:19A-20A, May 71

Unconjugated bilirubin transport in normal and mutant Corriedale sheep with Dubin-Johnson syndrome. Mia AS, et al. Proc Soc Exp Biol Med 135:33-7, Oct 70

The pathophysiology of ovine ostertagiasis: a study of the changes in plasma protein metabolism following single infections. Holmes PH, et al. Res Vet Sci 12:265-71, May 71

Metabolic disorders of cattle and sheep. Henderson WM. Vet Rec 88:164-8, 6 Feb 71

[Change in nitrogen metabolism in sheep in experimental listeriosis] Abdullaev RA. Veterinariia 9:56-7, Sep 70 (Rus)

[Chemical composition of the liver in small horned livestock suffering from dicrocoeliasis] Gladkov IM, et al. Vopr Pitan 29:86-7, Nov-Dec 70 (Rus)

MICROBIOLOGY

Coxiella burneti in a wildlife-livestock environment. Isolations of rickettsiae from sheep and cattle. Enright JB, et al. Am J Epidemiol 94:72-8, Jul 71

Infectivity of three vibrio fetus biotypes for gallbladder and intestines of cattle, sheep, rabbits, guinea pigs, and mice. Bryner JH, et al. Am J Vet Res 32:465-70, Mar 71

Lambing performance of ewes inoculated with Chlamydia sp. before and after breeding. Waldhalm DG, et al. Am J Vet Res 32:809-11, May 71

Ovine kerato-conjunctivitis. Possible T strain mycoplasmas in the conjunctival sac. Spradbrow PB, et al. Aust Vet J 47:116-8, Mar 71

Mycoplasma and associated bacteria isolated from ovine pink-eye. Langford EV. Can J Comp Med 35:18-21, Jan 71

Selective media for the isolation of Brucella ovis. Brown GM, et al. Cornell Vet 61:265-80, Apr 71

Experimental infection of pregnant sheep with bovine viral diarrhea-mucosa disease virus. Ward GM. Cornell Vet 61:179-91, Jan 71

Isolation of Clostridium oedematiens from sheep and an attempt at control of "black disease" in a farm at Kashmir. Jayaraman MS, et al. Indian Vet J 48:441-6, May 71

Analysis of results of bacteriological examination of morbid materials from cases of sheep pneumonia during the period, 1959-1968. Misra HN, et al. Indian Vet J 47:714-20, Sep 70

Epizootiology of listeric infection in sheep. Killinger AH, et al. J Am Vet Med Assoc 157:1318-24, 15 Nov 70

Continuing studies with transmissible feline fibrosarcoma virus in fetal and newborn sheep. Theilen GH. J Am Vet Med Assoc 158:Suppl 2:1040+, 15 Mar 71

An epizootic of Brucella melitensis infection in Texas. Whiting RD, et al. J Am Vet Med Assoc 157:1860-3, 1 Dec 70

Variation in carrier rates of Pasteurella haemolytica in sheep flocks. I. Normal flocks. Biberstein EL, et al. J Comp Pathol 80:499-507, Oct 70

Further investigations on the airborne excretion of foot-and-mouth disease virus. Donaldson AI, et al. J Hyg (Camb) 68:557-64, Dec 70

Epidemiological studies on Salmonella senftenberg. II. Infections in farm animals. Hugh-Jones ME. J Hyg (Camb) 67:89-94, Mar 69

The placental localisation of Vibrio fetus. Lowrie DB, et al. J Med Microbiol 3:607-14, Nov 70

Antigenic and morphological similarities of progressive pneumonia virus, a recently isolated "slow virus" of sheep, to visna and maedi viruses. Takemoto KK, et al. J Virol 7:301-8, Mar 71

Ibaraki virus, an agent of epizootic disease of cattle resembling bluetongue. IV. Physicochemical and serological properties of the virus. Inaba Y, et al. Jap J Microbiol 14:351-60, Sep 70

The post-parturient rise: a comparison of the pattern and relative generic composition of strongyle egg output from lactating and non-lactating ewes. Brunsdon RV, et al. NZ Vet J 19:19-25, Jan-Feb 71

The occurrence of Ostertagia crimensis and O. pinnata in New Zealand sheep. McKenna PB, et al. NZ Vet J 19:30-2, Apr 71

Experimental ovine mastitis. A pathologic study. el-Etreby MF, et al. Pathol Vet 7:246-64, 1970 (35 ref.)

The typing of bluetongue virus. Davies FG, et al. Res Vet Sci 12:181-3, Mar 71

[Application of fluorescence and immunofluorescence technics to the morphological and immunologic study of some strains of "virus" of ovine abortion (Rakeia ovis)] Faye P, et al. Bull Acad Vet Fr 41:363-71, Nov 68 (Fre)

[Visna virus: isolation of a molecule of high molecular weight ribonucleic acid] Brahic M, et al. C R Acad Sci [D] (Paris) 272:2115-8, 19 Apr 71 (Fre)

[Paravaccinia infections in man and animal and their relationships] Liebermann H, et al. Monatsh Vet Med 24:825-30, 1 Nov 69 (Ger)

[C-virus particles in blood lymphocyte cultures of two sheep with persistent lymphocytosis] Weiss E, et al. Zentralbl Veterinaermed [B] 18:244-8, May 71 (Ger)

[Serological typing of fetal and saprophytic vibrios] Shatalov VF. Veterinariia 12:25-7, Dec 70 (Rus)

MORTALITY

Effect of different levels of feeding on the mortality due to parasites, growth and maturity in cross-bred lambs. Sharma KM, et al. Indian Vet J 48:349-55, Apr 71

Herd health program for a large feedlot lamb operation. Pierson RE. J Am Vet Med Assoc 157:1504-6, 1 Dec 70

OCCURRENCE

Paramphistomiasis of domestic ruminants. Horak IG. Adv Parasitol 9:33-72, 1971 (83 ref.)

The epidemiology and control of some nematode infections of grazing animals. Michel JF. Adv Parasitol 7:211-82, 1969 (205 ref.)

Meteorological factors and forecasts of helminthic disease. Ollerenshaw CB, et al. Adv Parasitol 7:283-323, 1969 (76 ref.)

Coxiella burneti in a wildlife-livestock environment. Antibody response of ewes and lambs in an endemic Q fever area. Enright JB, et al. Am J Epidemiol 94:62-71, Jul 71

Changes in animal disease patterns in the Riverina of New South Wales. Barry MR. Aust Vet J 47:220-5, May 71

The epizootiology of haemonchosis in sheep. Swan RA. Aust Vet J 46:485-92, Oct 70

A method for estimating the level of infection of fascioliasis to which sheep are exposed. Cawdery MJ, et al. Br Vet J 127:118-24, Mar 71

Dicrocoelium dendriticum (Rudolphi, 1819) Looss, 1899 in Turkey. I. Field studies of intermediate and final hosts in the South Marmara region, 1968. Kalkan A. Br Vet J 127:67-75, Feb 71

The Stormont "wet day" forecasting system for fascioliasis. Ross JG. Br Vet J 126:401-8, Aug 70

Tick-borne diseases of domestic animals in Australia. Bull Off Int Epizoot 73:121-9, Jan-Feb 70

The developing problem of schistosomiasis in domestic stock in Rhodesia. Lawrence JA, et al. Cent Afr J Med Suppl:19-22, Jul 70

The epizootiology of an outbreak of bilharziasis in Zululand. Reinecke RK. Cent Afr J Med Suppl:10-3, Jul 70

Brucellosis in goats and sheep in some areas of Madhya Pradesh (M.P.). Arora BM, et al. Indian Vet J 47:912-3, Oct 70

Anaplasmosis-II. Clinical cases of anaplasmosis in cattle, buffaloes and sheep. Gautam OP, et al. Indian Vet J 47:1012-9, Nov 70

Epidemiology of a sheep disease in the livestock experimental station, Kattupakkam of the Madras Veterinary College. Raghavan N, et al. Indian Vet J 48:454-61, May 71

Selenium-responsive disease of sheep. Muth OH. J Am Vet Med Assoc 157:1507-11, 1 Dec 70

Atherosclerosis in ruminants. Wiggers KD, et al. J Anim Sci 32:1037-41, May 71

Formation of new enzootic foci of Q-fever in Croatia. Hrabar A, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 15:52-65, 1971

Prevalence, geographic distribution, and hosts of Cooperia surnabada Antipin, 1931, and C. oncophora (Railliet, 1898) Ransom, 1907, in the United States. Burtner RH, et al. J Parasitol 57:191-2, Feb 71

Gastrointestinal nematode parasites from domestic sheep, Ovis aries, in Nebraska. Knight RA, et al. J Parasitol 56:988-90, Oct 70

The incidence of freemartinism in sheep. Dain A. J Reprod Fertil 24:91-7, Jan 71

An outbreak of contagious pustular dermatitis associated with Dermatophilus congolensis infection. Cooper BS, et al. NZ Vet J 18:199-201, Sep 70

Breeding unsoundness in the ram: the incidence of contributing conditions. 1. Northland. Quinlivan TD, et al. NZ Vet J 19:38-44, Mar 71

The epizootiology of helminth infestation in sheep in the south-western districts of the Cape. Muller GL. Onderstepoort J Vet Res 35:159-93, Jun 68

Epidemiological studies on gastro-intestinal nematode parasites of sheep. Infection patterns on clean and autumn-contaminated pasture. Boag B, et al. Res Vet Sci 12:132-9, Mar 71

The prevalence of coccidia in faecal samples from sheep in North Wales. Michael E, et al. Res Vet Sci 11:402-3, Jul 70

A review of some animal diseases encountered at meat inspection 1960-1968. Blamire RV, et al. Vet Rec 87:234-8, 22 Aug 70

Epidemiology of parasitic gastro-enteritis in sheep. Gibson TE. Vet Rec 88:151-2, 6 Feb 71

Chorioptic mange of sheep. Kirkwood AC, et al. Vet Rec 87:507, 24 Oct 70

Parabronema skrjabini in Cyprus. Le Riche PD, et al. Vet Rec 88:587, 29 May 71

The epidemiology of fascioliasis in Northern Ireland. Ross JG. Vet Rec 87:370-2, 26 Sep 70

The incidence of lungworm infection in sheep in North-East England. Thomas RJ, et al. Vet Rec 87:70-5, 18 Jul 70

Pulmonary aspergillosis in the lamb. Young NE. Vet Rec 86:790, 27 Jun 70

[Serological surveys on animal arboviruses in Central Africa (horse sickness, blue tongue, Wesselsbron's disease, Rift Valley fever)] Maurice Y, et al. Rev Elev Med Vet Pays Trop 22:179-84, 1969 (Fre)

[Studies of the presence of Leptospira pomona titers in sheep in the Schwerin region] Graubmann HD, et al. Arch Exp Veterinaermed 24:777-80, 1970 (Ger)

[Occurence of fleas in a sheep pen] Hohner L, et al. Monatsh Vet Med 26:142-3, 15 Feb 71 (Ger)

[Statistical contribution on tumor occurrence among patients in a large-animal hospital] Panndorf H. Monatsh Vet Med 25:99-104, 1 Feb 70 (Ger)

[Cutaneous myiasis in sheep] Ribbeck R, et al. Monatsh Vet Med 25:959-60, 15 Dec 70 (Ger)

[Epizootology of eurytrematosis in ruminants in Amur District] Dvoriadkin VA. Veterinariia 10:77-9, Oct 70 (Rus)

[Epizootiology of leptospirosis] Soloshenko IZ, et al. Veterinariia 12:41-3, Dec 70 (Rus)

[Epizootiology of foot-and-mouth disease in Kuban] Ushmaev NL, et al. Veterinariia 6:47-9, Jun 70 (Rus)

[Dynamics of brucellosis infection in fresh epidemic foci] Uvarov AA. Zh Mikrobiol Epidemiol Immunobiol 48:38-41, Jan 71 (Rus)

[Leptospirosis in animals slaughtered in Chimbote, Peru] Liceras de Hidalgo J, et al. Bol Of Sanit Panam 70:429-35, May 71 (Spa)

PATHOLOGY

Effects of locoweed intoxication on the genital tract of the ram. James LF, et al. Am J Vet Res 32:1253-6, Aug 71

Contagious ovine ecthyma with primary lesions of the rumen and concurrent phycomycosis: a case report. Morales GA, et al. Am J Vet Res 32:163-6, Jan 71

Placental pathology of experimentally induced enzootic abortion in ewes. Novilla MN, et al. Am J Vet Res 31:1983-2000, Nov 70

Radiation-induced cutaneous neoplasms in a sheep. Ragan HA, et al. Am J Vet Res 32:167-72, Jan 71

Pathologic changes resulting from acute ammonium salt poisoning in sheep. Singer RH, et al. Am J Vet Res 32:1239-46, Aug 71

Ophthalmic lesions in locoweed poisoning of cattle, sheep, and horses. Van Kampen KR, et al. Am J Vet Res 32:1293-5, Aug 71

Carcinoma of the bladder of sheep. Harbutt PR, et al. Aust Vet J 45:473-5, Oct 69

A hepatocholangioma in a sheep. Watt DA. Aust Vet J 46:552, Nov 70

Transmission of Fusiformis nodosus infection from cattle to sheep. Wilkinson FC, et al. Aust Vet J 46:382-4, Aug 70

Clinico-pathologic conference. J Am Vet Med Assoc 158:780-8, 15 Mar 71

Experiments in Border disease. II. Some aspects of the disease in the foetus. Barlow RM, et al. J Comp Pathol 80:635-43, Oct 70

Coronary artery changes in sheep and goat foetuses. Neumann F, et al. J Comp Pathol 80:437-40, Jul 70

Comparative pathology of lambs and calves infected with parainfluenza virus type 3. Stevenson RG, et al. J Comp Pathol 80:613-8, Oct 70

Ultrastructural changes in the abomasal mucosa of lambs experimentally infected with Trichostrongylus axei. Ross JG, et al. J Helminthol 45:11-4, 1971

Lung carcinoma of sheep (Jaagsiekte). II. Histogenesis of the tumor. Perk K, et al. J Natl Cancer Inst 47:197-205, Jul 71

Neurochemistry of the spinal cord in experimental border disease (hypomyelinogenesis congenita) of lambs. Patterson DS, et al. J Neurochem 18:883-94, Jun 71

Vacuolation of neurons in natural scrapie. Electron microscopic observations. Gignami A, et al. J Neuropathol Exp Neurol 30:123, Jan 71

Alveolar epithelialisation in ovine pneumonia. Alley MR, et al. J Pathol 103:219-24, Apr 71

Neoplasms of sheep: a survey of 256 cases recorded at Ruakura animal health laboratory. Cordes DO, et al. NZ Vet J 19:55-64, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Histopathological observations on some coccidial lesions in natural infections of sheep. Michael E, et al. Res Vet Sci 11:441-6, Sep 70
The pathology of pneumonia in young lambs inoculated with Bedsonia. Stevenson RG, et al. Res Vet Sci 11:469-74, Sep 70
Studies on histopathology of Stilesia globipunctata infections in Iran. Amjadi AR. Vet Rec 88:486-8, 8 May 71
The pathology of the placenta in ovine abortion due to toxoplasmosis. Beverley JK, et al. Vet Rec 88:124-8, 30 Jan 71
The pathology of the foetus in ovine abortion due to toxoplasmosis. Beverley JK, et al. Vet Rec 88:174-8, 13 Feb 71
[Cerebrocortical necrosis (CCN) in sheep and calves] Adamesteanu I, et al. Zentralbl Veterinaermed [A] 18:373-9, Jul 71 (Fre)
[Placentitis necroticans in infectious abortion of sheep] Hoffmann R. Berl Munch Tieraerztl Wochenschr 84:235, 15 Jun 71 (Ger)
[Pseudotuberculosis in sheep] Berl Munch Tieraerztl Wochenschr 84:294-5, 1 Aug 71 (Ger)
[Chronic progressive pneumonia (Maedi) of sheep] Flir K. Zentralbl Veterinaermed [B] 17:1043-57, Dec 70 (Ger)
[Enzootic lymphatic leukosis of sheep--lymphocytosis, pathological anatomy and histology] Paulsen J, et al. Zentralbl Veterinaermed [B] 18:33-43, 1 Feb 71 (Ger)
[Pathomorphological changes in fascioliasis in ruminants] Azimov ShA, et al. Veterinariia 8:63-5, Aug 70 (Rus)
[Pathomorphologic changes in the abomasum of sheep with haemonchiasis] Peregrudov TA. Veterinariia 1:63-5, Jan 71 (Rus)
[Study of the pathomorphology of helminthiasis] Tsvetaeva NP. Veterinariia 11:25-8, Nov 70 (Rus)

PHYSIOPATHOLOGY

Life-span of corpora lutea in ewes with one congenitally absent uterine horn. Hunter GL. J Reprod Fertil 23:131-3, Oct 70
The pathological physiology of helminth infestations. 3. Trichostrongylus colubriformis. Horak IG, et al. Onderstepoort J Vet Res 35:195-223, Jun 68
The pathophysiology of ovine ostertagiasis: water balance and turnover studies. Holmes PH, et al. Res Vet Sci 12:381-3, Jul 71

PREVENTION & CONTROL

Evaluation of parbendazole as an anthelmintic in sheep. Johns DR, et al. Aust Vet J 45:460-4, Oct 69
Vaccination trials in sheep with clostridial vaccines with special reference to passively acquired Cl. welchii type D antitoxin in lambs. Oxer DT, et al. Aust Vet J 47:134-40, Apr 71
Management practices and helminthosis in the lamb. Southcott WH. Aust Vet J 47:170-4, Apr 71 (45 ref.)
The routine treatment of breeding ewes with 2-iodo-4-cyano-6-nitrophenol with (nitroxynil). Lucas JM. Br Vet J 126:487-94, Sep 70
Assessments of the molluscicide N-tritylmorpholine in the control of fascioliasis in Northern Ireland. Ross JG, et al. Br Vet J 126:282-96, Jun 70
Acaricidal treatments for protection of sheep against Psoroptes ovis. Roberts IH, et al. J Am Vet Med Assoc 158:372-8, 1 Feb 71
Vaccination against ovine foot-rot. Egerton JR, et al. J Comp Pathol 81:179-85, Apr 71
Contagious agalactia of sheep and goats studies on live and dead vaccines in lactating sheep. Foggie A, et al. J Comp Pathol 81:165-72, Jan 71
Control of fascioliasis--some theoretical and practical considerations. Harris RE, et al. NZ Vet J 19:65-72, Apr 71
New insecticides: as sheep dips against Lucilia sericata. Heath AC, et al. NZ Vet J 19:45-6, Mar 71
Pre-mating anthelmintic treatment of ewes and its effect on lambing performance. Murray J, et al. NZ Vet J 19:1-4, Jan-Feb 71
Vaccination against footrot in sheep. Skerman TM. NZ Vet J 19:112, May 71
An anthelmintic test for larval stages of sheep nematodes. Reinecke RK. Onderstepoort J Vet Res 35:287-97, Jun 68
The effect of anthelmintic treatment on the development of resistance to Trichostrongylus colubriformis in sheep. Gibson TE, et al. Res Vet Sci 11:138-45, Mar 70
Local immunization of ewes with staphylococcal cell and cell-toxoid vaccines. McDowell GH, et al. Res Vet Sci 12:258-64, May 71
Successful vaccination of lambs against infection with Taenia ovis using antigens produced during in vitro cultivation of the larval stages. Rickard MD, et al. Res Vet Sci 12:401-2, Jul 71
Prevention of experimental and of naturally occurring ovine abortion due to toxoplasmosis. Beverley JK, et al. Vet Rec 88:39-41, 9 Jan 71
The vaccination of young lambs against contagious pustular dermatitis. Kerry JB, et al. Vet Rec 88:671-2, 19 Jun 71
Preliminary investigations of the use of calcium cyanamide as a molluscicide to control fascioliasis in Northern Ireland. Ross JG, et al. Vet Rec 87:373-5, 26 Sep 70
[Anti-aphthous vaccination of sheep] Fontaine J, et al. Bull Off Int Epizoot 70:421-42, Mar-Apr 69 (Fre)
[The place of vaccination of sheep in the prevention of foot-and-mouth disease] Santucci J, et al. Bull Off Int Epizoot 73:715-24, Jul-Aug 70 (Fre)
[Use of a tissue culture vaccine in the prevention of small ruminant plague in Dahomey] Bourdin P, et al. Rev Elev Med Vet Pays Trop 23:295-300, 1970 (Fre)
[Experiments on the control sarcoptidosis in cattle, sheep, and pigs, using a Hypodix pour-on method] Gräfner G, et al. Monatsh Vet Med 24:844-6, 15 Nov 69 (Ger)
[Myiasis (fly-larvae disease) in the sheep] Loosmann W. Schweiz Arch Tierheilkd 113:113-6, Mar 70 (Ger)
[The spread of hydatidosis in slaughter-house animals in the province of Caserta and its prevention] Vaccaro A, et al. Acta Med Vet (Napoli) 15:115-40, May-Aug 69 (Ita)
[Pathogenesis and specific prevention of ovine paratyphoid] Agababian MM. Veterinariia 9:54-6, Sep 70 (Rus)
[Prevention of vitamin-mineral deficiency in lambs] Amanov K, et al. Veterinariia 11:87-8, Nov 70 (Rus)
[Experience in the control of echinococcosis in sheep] Baidaliev AB. Veterinariia 7:86-8, Jul 70 (Rus)
[A spraying installation for treatment of sheep] Belykh IuA. Veterinariia 8:35-6, Aug 70 (Rus)
[Vaccination of sheep against infectious enterotoxemia] Borisov VS. Veterinariia 7:58-9, Jul 70 (Rus)
[Prophylaxis of lung diseases in lambs] Butakov SIa. Veterinariia 6:78-9, Jun 70 (Rus)
[Strengthening the measures for controlling ticks and gadflies] Dulsheev AD, et al. Veterinariia 8:70-1, Aug 70 (Rus)
[Ovine anoplocephalatosis control measures] Goderdzishvili GI, et al. Veterinariia 9:66-7, Sep 70 (Rus)
[Combined vaccines against brucellosis and anthrax in sheep] Griazin VI, et al. Veterinariia 7:38-40, Jul 70 (Rus)
[Mechanized sheep dip (MKV-2 DagNIVI)] Mamaev NKh, et al. Veterinariia 8:34-5, Aug 70 (Rus)
[Organizing the control of babesiasis in sheep] Matikashvili NV, et al. Veterinariia 9:71-2, Sep 70 (Rus)
[Immunogenic properties of Aujeszky's disease virus] Nochevnyi VT, et al. Veterinariia 6:44-6, Jun 70 (Rus)
[Conveyor mechanism for dipping sheep and goats] Rybakov MI, et al. Veterinariia 7:31-3, Jul 70 (Rus)
[Simultaneous vaccination of sheep against pox and anaerobic infections] Safarov IuB, et al. Veterinariia 11:74-6, Nov 70 (Rus)
[Means of disinfection in infectious mastitis of sheep] Safarov IuB, et al. Veterinariia 9:28-30, Sep 70 (Rus)
[Experience in eradication of brucellosis on farms] Shutiuk V, et al. Veterinariia 11:71-2, Nov 70 (Rus)
[Invasive and immunogenic properties of Anaplasma ovis] Stepanova NI, et al. Veterinariia 6:57-8, Jun 70 (Rus)
[Brucellosis eradication in Kazakhstan] Zinov'ev BS, et al. Veterinariia 7:48-9, Jul 70 (Rus)

RADIOGRAPHY

[Thoracofluorographic diagnosis of bronchopneumonia] Mustakimov RG. Veterinariia 8:80-2, Aug 70 (Rus)

SURGERY

[Apparatus for stabilizing the head of sheep] Popov IuA. Veterinariia 8:86-7, Aug 70 (Rus)

THERAPY

Treatment of posthitis in sheep. Swan RA. Vet Rec 88:304-6, 20 Mar 71

SHELLFISH (J)

Accumulation and elimination of coliphage S-13 by the hard clam, Mercenaria mercenaria. Canzonier WJ. Appl Microbiol 21:1024-31, Jun 71
Isolation of Vibrio parahaemolyticus from the processed meat of Chesapeake Bay blue crabs. Fishbein M, et al. Appl Microbiol 20:176-8, Aug 70
Case of poisoning from red whelk. Fleming C. Br Med J 3:520-1, 26 Aug 71
The agent of food poisoning caused by rotten short-neck clam (Venerupis semidecussata). II. The outbreak of food poisoning caused by short-neck clam. Ito H, et al. Mie Med J 20:255-8, Jan 71
The agent of food poisoning caused by rotten short-neck clam (Venerupis semidecussata). 3. The condition for the putrefaction of the short-neck clam. Ito H, et al. Mie Med J 20:259-62, Jan 71
Multiplication of human enteroviruses in northern quahogs. Chang PW, et al. Proc Soc Exp Biol Med 136:1280-4, Apr 71
A comparison of the biological effects of paralytic shellfish poisons from clam, mussel and dinoflagellate. Evans MH. Toxicon 9:139-44, Apr 71
[On poisoning by a coconut crab] Bagnis R. Med Trop (Mars) 29:824-6, Sep-Oct 69 (Fre)
[Furcocercaria from fresh-water mollusca of the Amu Darya delta. II] Arystanov E. Vestn Leningr Univ [Biol] 4:7-14, 1968 (Rus)
[Purification of mussels (Mytilus edulis) by ultraviolet radiation (anatomy and physiology of mussels in relation to this type of purification)] Daporta Gonzalez J. Rev Sanid Hig Publica (Madr) 44:795-809, Jul 70 (Spa)

ADVERSE EFFECTS

[Significance of shells in the spreading of intestinal infections, especially salmonelloses] Maretić Z, et al. Lijec Vjesn 92:555-62, 1970 (Cro)

ANALYSIS

Two toxins from a poisonous sample of mussels Mytilus edulis. Evans MH. Br J Pharmacol 40:847-65, Dec 70
The agent of food poisoning caused by rotten short-neck clam (Venerupis semidecussata). 1. The chemical and pharmacological research on rotten short-neck clam. Ito H, et al. Mie Med J 20:243-53, Jan 71

POISONING

[Neurologic manifestations of toxic origin after ingestion of mussels] Lechevalier B, et al. Presse Med 77:1215-6, 26 Jul 69 (Fre)

SHELTERED CARE INSTITUTIONS see under

RESIDENTIAL FACILITIES (N2)

SHELTERED WORKSHOPS (N2)

The forgotten. 8. An occupational centre. Br Med J 2:272-3, 1 May 71
The role of occupational therapy in sheltered workshops. Bayne JR. Can J Occup Ther 37:108-12, Autumn 70
Sheltered workshops for the alienated. Parioff MB. Int J Psychiatry 9:197-204, 1970-71
A gerontological sheltered workshop: the aged person's attitudes about money. Reingold J, et al. J Am Geriatr Soc 19:315-31, Apr 71
An empirical perspective. Hogan G, et al. J Rehabil 37:16-9, Jul-Aug 71
VR viewed by an industrial engineer. Oswalt JH, et al. J Rehabil 37:17-9, Mar-Apr 71
A review of young epileptic patients in a sheltered environment. Balla JI. Med J Aust 2:406-9, 29 Aug 70
We need sheltered workshops for former metal patients. Cristol AH. Ment Hyg 54:444-6, Jul 70
Increasing workshop production through self-visualization on videotape. De Roo WM, et al. Ment Retard 9:22-5, Aug 71
The future development of vocational adjustment programs and workshops. Gellman W. Rehabil Lit 32:108-12, Apr 71
Evaluation of an experimental rehabilitation ward for chronic mental patients. Walker R, et al. Rehabil Lit 32:40-1 passim, Feb 71
Sheltered workshop programs in the Netherlands. Doinick MM. Rehabil Rec 12:35-8, Mar-Apr 71
Workshop environment staff training. Schieffer L, et al. Rehabil Rec 12:36-7, May-Jun 71
Effectiveness of counselor-trainees with mentally retarded sheltered workshop clients. Bozarth JD, et al. Train Sch Bull (Vinel) 67:119-22, Aug 70
[Establishments for rehabilitation of the handicapped in Aquitaine] L'épée P, et al. Arch Mal Prof 32:317-8, Mar 71 (Fre)
[Physiopreventoria in the machine building industry] Ashbel' SI, et al. Gig Tr Prof Zabol 15:25-9, Jan 71 (Rus)
[Reactions to changes in the vocational situation during schizophrenic remissuibs (clinico-biologic studies)] Vovin RIa, et al. Zh Nevropatol Psikhiatr 71:262-8, 1971 (Rus)

STANDARDS

Sheltered workshop certification. Rossit EA, et al. J Rehabil 37:30-1, May-Jun 71

UTILIZATION

Some comments on workshop utilization. Olshansky S. Rehabil Lit 32:75-7, Mar 71

SHIGELLA (B3)

see also related
DYSENTERY, BACILLARY (C1, C4)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Chemoprophylaxis of Shigella flexneri keratoconjunctivitis in rabbits. Cross WR, et al. Appl Microbiol 20:505-7, Sep 70

Stereochemical aspects of antigenic specificity in polysaccharide determinants. Simmons DA. Eur J Biochem 18:53-8, 1 Jan 71

Dysentery produced by oral administration of the colonic contents of cynomolgus monkeys infected with Shigella flexneri 2a. Takasaka M, et al. Jap J Med Sci Biol 23:249-54, Aug 70

Bacteriological and epidemiological approach to prophylaxy for enteric infection. I. Invasion mechanism of Shigella into cultured cells. Anzai H, et al. Kitasato Arch Exp Med 43:91-103, Dec 70

[Shigella flexneri F6S with extended patterns of sensitivity to the T phages and to colicins after infection by a Lisbonne phage. 1. Modified biological properties of the bacterial surface] Godard C, et al. Ann Inst Pasteur (Paris) 120:475-89, Apr 71 (Fre)

[Ultrastructure of polyvalent "Shiga-Coli delta H" (D'Herelle's delta) temperate bacteriophage] Petrovici A, et al. Arch Roum Pathol Exp Microbiol 28:343-52, Dec 69 (Fre)

[Further data on the association of bacteriophage with antibiotic therapy for the purpose of sterilizing carriers of dysentery bacilli] Ziligteanu C, et al. Arch Roum Pathol Exp Microbiol 28:1073-80, Dec 69 (Fre)

[Specific prevention of dysentery. 3. Elaboration of a method of preparing live dysentery vaccine for enteral use and study of its properties] Belaia IuA, et al. Zh Mikrobiol Epidemiol Immunobiol 46:125-9, Oct 69 (Rus)

[Effect of Grigor'ev-Shiga dysentery exotoxin on cellular culture] Kipenskaia GM. Zh Mikrobiol Epidemiol Immunobiol 48:72-5, Jun 71 (Rus)

[Relation between virulence and colony type in Shigella flexneri 2a hybrids with defined genetic characteristics] Lycheva TA. Zh Mikrobiol Epidemiol Immunobiol 48:6-10, Mar 71 (Rus)

[Trophic dissociation of Shigella] Mikhailov IF, et al. Zh Mikrobiol Epidemiol Immunobiol 48:3-5, Mar 71 (Rus)

[Comparative study of the multiplication rate and oxidation-reduction activity of Shigella flexneri hybrids with different characteristics] Petrovskaia VG, et al. Zh Mikrobiol Epidemiol Immunobiol 48:5-10, Jan 71 (Rus)

CLASSIFICATION

Application of gel adsorption to characterize strains of the family Enterobacteriaceae. Szöllösy E. Acta Microbiol Acad Sci Hung 17:205-12, 1970

Morphology of bacteriophages used for typing Shigella flexneri. Krzywy T, et al. Arch Immunol Ther Exp (Warsz) 18:597-616, 1970

New scheme of phage typing of Shigella flexneri. Slopek S, et al. Arch Roum Pathol Exp Microbiol 28:974-5, Dec 69

[A gasogenic variant of the provisional Shigella serotype: 2000-53] Szturm-Rubinsten S, et al. Ann Inst Pasteur (Paris) 119:320-2, Sep 70 (Fre)

[Activities of Centre National Sénégalais des Entérobactéries (Institute Pasteur de Dakar) in 1968] Sarrat H. Bull Soc Pathol Exot 62:806-14, Sep-Oct 69 (Fre)

[Study of reciprocal antagonist actions in the Shigella flexneri subgroup] Szturm-Rubinsten S, et al. C R Acad Sci [D] (Paris) 272:2111-4, 19 Apr 71 (Fre)

[Serologic diagnosis of Salmonella, Shigella and enteritis coli strains] Thilo W, et al. Z Aerztl Fortbild (Jena) 63:1255-8, 1 Dec 69 (Ger)

[Debatable questions of the classification and nomenclature of Sh. flexneri] Khomenko NA. Zh Mikrobiol Epidemiol Immunobiol 47:40-4, Nov 70 (Rus)

[Serologic properties of the Flexner bacteria isolated in Ashkhabad] Mel'kumiants NB, et al. Zh Mikrobiol Epidemiol Immunobiol 47:53-5, Apr 70 (Rus)

DRUG EFFECTS

The problems of drug-resistant pathogenic bacteria. Epidemiology and genetics of R factors. Mitsuhashi S. Ann NY Acad Sci 182:41-52, 11 Jun 71

Impaired transduction of R213 and its recovery by a homologous resident R factor. Yoshikawa M, et al. J Bacteriol 106:523-8, May 71

Antibiotic sensitivities of shigella isolates in Vietnam, 1968-1969. Martin DG, et al. Milit Med 135:560-2, Jul 70

The susceptibility of 44 strains of Shigellae to eleven anti-microbial agents. Sng EH, et al. Singapore Med J 11:162-5, Sep 70

[Multiple resistance of Shigella to antibiotics: comparison of strains according to their subgroup and origin] Szturm-Rubinsten S, et al. Ann Inst Pasteur (Paris) 117:213-21, Aug 69 (Fre)

[Changes of sensitivity to bacteriophages in some strains of Enterobacteriaceae under the influence of chloramphenicol] Ziligteanu C, et al. Arch Roum Pathol Exp Microbiol 28:615-27, Jun-Sep 69 (Fre)

[Study of reciprocal antagonist actions in the Shigella flexneri subgroup] Szturm-Rubinsten S, et al. C R Acad Sci [D] (Paris) 272:2111-4, 19 Apr 71 (Fre)

[Resistance determinations in microorganisms causing dysenteria with regard to sulfamethoxazol-trimethoprim] Titze W. Arzneim Forsch 21:597-8, May 71 (Ger)

[Occurrence of R factors in strains of pathogenic enterobacteria isolated from gastroenteritis in children] Natoli D, et al. G Mal Infett Parassit 21:959-66, Dec 69 (Ita)

[Thermodynamic studies on inhibition of bacteriohemagglutination by mannose and on Shigella-mannan agglutination] Misawa H. Jap J Bacteriol 26:183-91, Jun 71 (Jap)

[Sensitivity of dysentery bacilli to sulfonamides. Examination by the filter paper disk method] Brodzicki S. Przegl Epidemiol 25:97-103, 1971 (Pol)

[On the appearance of multiple resistance to antibiotics and chemotherapeutic agents of Shigella strains isolated in Rio de Janeiro] Palmeira ML, et al. Mem Inst Oswaldo Cruz 69:145-52, 1971 (Por)

[Distribution of episomal resistance to antibiotics in the causative agents of dysentery] Civolodskii EP. Antibiotiki 15:797-801, Sep 70 (Rus)

[Clinical importance of the sensitivity of Shigella to broad spectrum antibiotics] Mironov GS. Voen Med Zh 12:47-8, Dec 70 (Rus)

[The effect of copper, manganese and molybdenum on the growth of Sh. flexneri] Vasiurenko ZP. Mikrobiol Zh 31:638-43, Nov-Dec 69 (Ukr)

ENZYMOLOGY

[Oxidoreductase activity in dysentery bacteria having acquired the R-factor in in vitro experiments] Shenderov BA. Antibiotiki 15:330-1, Apr 70 (Rus)

GROWTH & DEVELOPMENT

Enteric pathogen--normal flora interactions. Hentges DJ. Am J Clin Nutr 23:1451-6, Nov 70

Effect of storage of Mueller-Hinton agar plates on zone sizes for antimicrobial testing. Dewees LB, et al. Appl Microbiol 20:293-7, Sep 70

Bacteriological and epidemiological approach to prophylaxy for enteric infection. II. Antagonism of dysentery bacilli on the cultured cell infection. Anzai H, et al. Kitasato Arch Exp Med 43:105-13, Dec 70

[Antagonistic relations of Shigella sonnei and flexneri] Khomik SR, et al. Zh Mikrobiol Epidemiol Immunobiol 47:58-61, Nov 70 (Rus)

[Oxidation-reduction potential and intensity of growth of Shigella flexneri, Escherichia and their genetic recombinants] Motavkina NS, et al. Zh Mikrobiol Epidemiol Immunobiol 48:96-100, Apr 71 (Rus)

[Some relations between the causative agents of Flexner dysentery and EPKP 0124 in the organism of laboratory animals and in nutrient medium] Voronets NP. Zh Mikrobiol Epidemiol Immunobiol 48:79-81, Jun 71 (Rus)

IMMUNOLOGY

Comparative immunochemical studies of the toxic culture filtrates and endotoxin preparations from serologically identical strains of Escherichia coli 2796-0129 and Shigella flexneri 5. Brandes S. Acta Microbiol Pol [A] 2:91-104, 1970

Serologic changes in Shigella flexneri bacilli as a result of recombination with E. coli K12. Mrox E, et al. Arch Immunol Ther Exp (Warsz) 18:353-6, 1970

Immunochemistry of Shigella flexneri O-antigens: a study of structural and genetic aspects of the biosynthesis of cell-surface antigens. Simmons DA. Bacteriol Rev 35:117-48, Jun 71 (119 ref.)

The immunochemistry of Shigella flexneri O-antigens: a new serologically active trisaccharide from variant Y. Freedlander E, et al. Biochem J 119:23P, Sep 70

Antigenic changes in Shigella flexneri following conjugation with Escherichia coli HfrC. Manson R, et al. Eur J Biochem 17:472-6, Dec 70

The immunochemistry of Shigella flexneri O-antigens: an analysis of the antigenic determinants of group factors. Freedlander E, et al. Immunology 20:11-6, Jan 71

The immunochemistry of Shigella flexneri O-antigens: an analysis of the determinants of some representative type specific factors. Simmons DA. Immunology 20:17-24, Jan 71

[Studies of crossed immunity between different serotypes of dysentery bacilli and the keratoconjunctivitis-positive, lactoso-negative strain 47552 deprived of Shigella agglutinogen] Ciufeco C. Arch Roum Pathol Exp Microbiol 28:389-94, Jun-Sep 69 (Fre)

[The serological relationship between dysentery bacteria and aerobic spore formers] Przyborowski R, et al. Allerg Asthma (Leipz) 15:229-34, 1969 (Ger)

[A study on cross immunity in Shigellae following local immunisation with living non-infectious agents] Istrati G, et al. Zentralbl Bakteriol [Orig] 215:73-6, 1970 (Ger)

[On the genetics of the capacity for hemolysis of Escherichiae] Stenzel W. Zentralbl Bakteriol [Orig] 216:15-23, 1971 (Ger)

[Antibody against Shigella in bacillary dysentery patients and carries. 2. Studies of flexneri-dystery] Miyata Y, et al. J Jap Assoc Infect Dis 44:431-8, Nov 70 (Jap)

[Characteristics of type-specific antigens in Sh. Flexneri hybrids 1b and 4b with variable antigenic structure] Khomenko NA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:63-7, Jun 71 (Rus)

[The specificity of serologic reactions based on serum bactericidicity] Rukhadze EZ, et al. Zh Mikrobiol Epidemiol Immunobiol 47:63-8, Mar 70 (Rus)

ISOLATION & PURIFICATION

Isolation of Hfr derivative by the use of Shigella flexneri 4b-modified F factor. Kétyi I. Acta Microbiol Acad Sci Hung 17:167-73, 1970

Experimental approach in studies on pathogenesis of bacillary dysentery--with special references to the invasion of bacilli into intestinal mucosa. Ogawa H. Acta Pathol Jap 20:261-77, Aug 70

A comparative study of media used to detect Shigella. Bhat P, et al. Am J Clin Pathol 56:193-6, Aug 71

The detection of Salmonella and Shigella with the aid of a new medium for the simultaneous assay of beta-galactosidase, phenylalanine-deaminase and motility. Giammanco G, et al. Ann Inst Pasteur (Paris) 120:525-30, Apr 71

Isolation of Shigellae. 8. Comparison of xylose lysine deoxycholate agar, hektoen enteric agar, Salmonella-Shigella agar, and eosin methylene blue agar with stool specimens. Taylor WI, et al. Appl Microbiol 21:32-7, Jan 71

The significance of the occurrence of serotype 1831 and Katwijk strains in a longitudinal study of diarrhoeal disease in pre-school children. Bhat P, et al. Indian J Med Res 58:1183-91, Sep 70

Isolation of a rare biochemical variant of Shigella boydii 1. Aldová E, et al. Zentralbl Bakteriol [Orig] 215:274-7, 1970

[Epidemiology of bacillary dysentery in Djibouti] Piéchaud D, et al. Bull Soc Pathol Exot 64:37-42, Jan-Feb 71 (Fre)

[Incidence of the causative agents of Salmonella and Shigella infections in the Province of Novara during 1964-1968] Cominazzini C, et al. Minerva Pediatr 21:766-8, 5 May 69 (Ita)

[Incidence of infection with dysentery bacilli in Poland in 1968] Stypulkowska-Misiurewicz. Przegl Epidemiol 24:325-7, 1970 (Pol)

[Incidence of R-factor carrier state among Shigella strains isolatid from dysentery patients] Liapkalo IaM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:54-8, Nov 70 (Rus)

METABOLISM

Growth factor requirement of Shigella flexneri and Shigella sonnei. Vertényi A, et al. Acta Microbiol Acad Sci Hung 17:13-6, 1970

[Further notes on Bacillus columbensis Castellani 1905 with special reference to the phenomenon of recurrent fermentation (acidity and gas) of lactose] Baldasserini G, et al. Arch Ital Sci Med Trop Parassitol 50:239-46, Sep-Oct 70 (Ita)

[Correlation of biochemical features and pathogenicity of Shigella. I. Respiratory activity in the amino acid metabolism of virulent and avirulent strains of Shigella] Stypulkowska-Misiurewicz. Med Dosw Mikrobiol 22:311-20, 1970 (Pol)

[Detection of colicinogenia in the co-members of natural intestinal biocenoses] Kokhanovskaia TM. Antibiotiki 16:130-3, Feb 71 (Rus)

[Oxidation-reduction potential and intensity of growth of Shigella flexneri, Escherichia and their genetic recombinants] Motavkina NS, et al. Zh Mikrobiol Epidemiol Immunobiol 48:96-100, Apr 71 (Rus)

PATHOGENICITY

The nature of the lethal factor of Shigella flexneri. Jankowski S, et al. Arch Immunol Ther Exp (Warsz) 19:47-66, 1971

Polysaccharides of virulent and avirulent strains of S. flexneri. Pogonowska-Goldhar J, et al. Bull Acad Pol Sci [Biol] 16:751-5, 1968

Analysis of the virulence of Shigella flexneri by experimental infection of the rabbit eye. Cross WR, et al. J Infect Dis 122:394-400, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Comparative lethality, for mice, of soluble endotoxins isolated from 25 species of Enterobacteriaceae] Barber C, et al.
Rev Immunol (Paris) 35:33-42, Jan-Mar 71 (Fre)
[Transformation of shigellae into nonpathogenic strains for humans and guinea pig eyes] Istrati G, et al.
Zentralbl Bakteriol [Orig] 203:295-9, 1967 (Ger)
[On the genetics of pathogenicity for mucosa of dysentery bacilli] Stenzel W.
Zentralbl Bakteriol [Orig] 216:67-78, 1971 (Ger)
[The loss in pathogenicity for mucosa of dysentery bacteria in vitro] Stenzel W.
Zentralbl Bakteriol [Orig] 216:54-66, 1971 (Ger)
[Correlation of biochemical features and pathogenicity of Shigella. I. Respiratory activity in the amino acid metabolism of virulent and avirulent strains of Shigella] Stypulkowska-Misiurewicz.
Med Dosw Mikrobiol 22:311-20, 1970 (Pol)
[The thermolabile K-antigen of Newcastle dysentery bacteria and its role in virulence] Belaia IuA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:39-46, Dec 70 (Rus)
[Use of a "pulmonary model" for determining the virulence of hybrid shigellae with different genetic characteristics] Blinova NI.
Zh Mikrobiol Epidemiol Immunobiol 47:32-6, Sep 70 (Rus)

SHIGELLA DYSENTERIAE (B3)

[Fine structure of Shigella sonnei, flexneri and boydii phages] Ortel S.
Arch Roum Pathol Exp Microbiol 28:775-83, Dec 69 (Ger)
[Comparative electron microscope study of dysenteric and lisferial keratoconjunctivitis] Tenner K, et al.
Arkh Patol 32:12-6, 1970 (Rus)
[Some data on the transmission of drug resistance from Escherichia coli to dysentery bacteria] Sherishorina SI, et al. Biull Eksp Biol Med 68:59-61, Jun 69 (Rus)

DRUG EFFECTS

Acceptance of R factor by a Shigella sonnei strain from commensal Escherichia coli strains during dysentery. Bohuš J.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:225-6, 1971
[Distribution of episomal resistance to antibiotics in the causative agents of dysentery] Civolodskiĭ EP.
Antibiotiki 15:797-801, Sep 70 (Rus)
[Sensitivity to antibiotics of Shigella isolated in the city of Gorʹkiĭ in 1966] Garanin BA, et al.
Antibiotiki 16:173-4, Feb 71 (Rus)
[Transmissible multiple drug resistance of Enterobacteria] Leplia ES.
Antibiotiki 16:270-3, Mar 71 (Rus)
[Transfer of resistance toward antibiotics by the method of conjugation. Effect of some enzymatic poisons on the transfer of the R factor] Sherishorina SI, et al. Antibiotiki 15:999-1001, Nov 70 (Rus)
[Species composition of excreted Shigella and the characteristic of their sensitivity to antibiotics during 11 years (1959-1969)] Veselov AIa, et al.
Antibiotiki 16:143-5, Feb 71 (Rus)
[Disinfecting effect of compounds of the aroylalkylene triphenyl phosphorane type] Sidorchuk II, et al.
Mikrobiol Zh 32:520-2, May-Jun 70 (Ukr)

GROWTH & DEVELOPMENT

[Effect of copper, manganese and molybdenum combinations on the growth of Shigella flexneri] Vasiurenko ZP. Mikrobiol Zh 32:237-41, 1970 (Ukr)

IMMUNOLOGY

[Studies of crossed immunity between different serotypes of dysentery bacilli and the keratoconjunctivitis-positive, lactoso-negative strain 47552 deprived of Shigella agglutinogen] Ciufecu C.
Arch Roum Pathol Exp Microbiol 28:389-94, Jun-Sep 69 (Fre)
[Study of genetic control of synthesis of the typospecificity in Shigella antigens of the subgroup B] Timakov VD, et al.
Vestn Akad Med Nauk SSSR 24:48-58, 1969 (Rus)

ISOLATION & PURIFICATION

[The keratoconjunctivitis test] Ciufecu C.
Arch Roum Pathol Exp Microbiol 29:7-27, Mar-Jun 70 (Fre)
[Study of the causes for prolonged isolation of dysentery bacilli in children] Cherkasov OV, et al.
Pediatr Akush Ginekol 3:17-9, 1970 (Rus)

METABOLISM

[Mannit negative variants of Shigella Flexner and Sonnei] Tkachenko AM, et al.
Lab Delo 11:655-7, 1970 (Rus)

PATHOGENICITY

[Genetic principles of activity and stability of attenuated live dysentery vaccines] Stenzel W.
Arzneim Forsch 20:1504-7, Oct 70 (Ger)

SHIGELLA INFECTIONS see DYSENTERY, BACILLARY (C1, C4)

SHIGELLA SONNEI (B3)

[Host-controlled modification of Sh. sonnei phages] Horn G, et al.
Arch Roum Pathol Exp Microbiol 28:895-900, Dec 69 (Ger)
[Fine structure of Shigella sonnei, flexneri and boydii phages] Ortel S.
Arch Roum Pathol Exp Microbiol 28:775-83, Dec 69 (Ger)
[Animal experiments with Shigella infection] Dobberkau HJ, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:285-93, 1970 (Ger)
[R factor caused variations in phage types of Sh. sonnei and their epidemiological implications] Tschäpe H, et al. Zentralbl Bakteriol [Orig] 214:91-100, 1970 (Ger)
[Transfer of the colicin-factor among Shigella sonnei] Tanaka T, et al.
Med Biol (Tokyo) 81:321-3, 10 Dec 70 (Jap)
[Genetic aspects of the polyresistance of S. sonnei] Rebrova RN, et al.
Biull Eksp Biol Med 68:98-100, Jun 69 (Rus)
[Some data on the transmission of drug resistance from Escherichia coli to dysentery bacteria] Sherishorina SI, et al. Biull Eksp Biol Med 68:59-61, Jun 69 (Rus)
[Immune bacteriolysis reaction with Shigella sonnei] Godovannyĭ BA, et al. Lab Delo 10:636-7, 1970 (Rus)
[Phage typing of Sonne dysentery bacteria isolated from children and its possible practical value] Chernova VN.
Zh Mikrobiol Epidemiol Immunobiol 48:31-5, Mar 71 (Rus)
[The epidemic process of dysentery in the European territory of the USSR. II. Changes in the etiologic structure of dysentery during the period from 1955 to 1966] Krasheninnikov OA.
Zh Mikrobiol Epidemiol Immunobiol 47:14-9, Jun 70 (Rus)

ANALYSIS

Biological properties of Shigella sonnei endotoxins. Pelczarska A, et al.
Arch Immunol Ther Exp (Warsz) 18:451-4, 1970
A bacteriocin induced from a strain of Shigella sonnei. Amako K, et al. Jap J Microbiol 14:505-7, Nov 70
[Some indices of the chemical composition of the protein fractions of Sonne's dysentery bacilli] Omel'ianets TG, et al.
Mikrobiol Zh 31:487-91, Sep-Oct 69 (Ukr)
[A comparative study of the polysaccharide containing complexes of different forms of Shigella Sonnei] Omel'ianets TG, et al.
Mikrobiol Zh 31:360-5, Jul-Sep 69 (Ukr)
[Immunochemical study of polysaccharide-containing complexes of Shigella sonnei] Omel'ianets' TG.
Mikrobiol Zh 32:190-5, 1970 (Ukr)

CLASSIFICATION

Morphology of bacteriophages used for typing Shigella sonnei. Krzywy T, et al.
Arch Immunol Ther Exp (Warsz) 19:15-45, 1971
Attempts at phage typing of Shigella sonnei. Gromkova R, et al. Zentralbl Bakteriol [Orig] 204:212-6, 1967
[Current methods of intraspecies typing of Shigella sonnei. I. Biochemical typing] Mamontova TN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:128-33, Aug 70 (Rus)
[The colicinogenic and enzymatic properties of Shigella sonnei isolated in various territories of the Soviet Union. I. Typing Shigella sonnei on the basis of their colicinogenic properties] Smirnova-Mutusheva MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:137-41, Aug 70 (Rus)

DRUG EFFECTS

The influence of hydrochloric acid on the cell wall of Shigella sonnei phase. I. Romanowska E, et al.
Arch Immunol Ther Exp (Warsz) 18:346-52, 1970
In-vitro sensitivity of Shigella sonnei to trimethoprim and sulphamethoxazole. Jarvis KJ, et al.
J Med Microbiol 3:554-7, Aug 70
Emergence of Shigella sonnei resistant to kanamycin and to nalidixic acid, without exposure to these drugs. Thomas ME, et al. J Med Microbiol 2:457-61, 4 Nov 69
Antibiotic resistance of Shigella sonnei. Davies JR, et al. Lancet 2:1157-9, 5 Dec 70
[Importance of the R-factor for the epidemiology of Shigella sonnei] Tschäpe H, et al.
Z Gesamte Hyg 16:862-4, Sep 70 (Ger)
[Sulfanilamide therapy of Shigella-sonnei-infections in adulthood] Leithäuser W, et al.
Z Gesamte Inn Med 25:655-7, 15 Jul 70 (Ger)
[Distribution of episomal resistance to antibiotics in the causative agents of dysentery] Civolodskiĭ EP.
Antibiotiki 15:797-801, Sep 70 (Rus)
[Correlation between the auxotrophic properties and antibiotic resistance of dysentery Sonnei bacteria] Ekhte AA. Antibiotiki 15:996-9, Nov 70 (Rus)
[Comparative study of the sensitivity of Shigella Sonnei to ampicillin and its combinations with other antibiotics] Kalabukhova NF, et al.
Antibiotiki 14:218-21, 1969 (Rus)
[Transmissible multiple drug resistance of Enterobacteria] Leplia ES.
Antibiotiki 16:270-3, Mar 71 (Rus)
[Species composition of excreted Shigella and the characteristic of their sensitivity to antibiotics during 11 years (1959-1969)] Veselov AIa, et al.
Antibiotiki 16:143-5, Feb 71 (Rus)
[Clinico-laboratory features of dysentery today, according to material from the Krasnodar City Hospital No. 2] Klokova GF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:37-40, Jun 70 (Rus)
[An epidemiologic study of the episomal resistance of the Sonne dysentery bacillus to antibiotics] Sivolodskiĭ EP.
Zh Mikrobiol Epidemiol Immunobiol 47:86-91, Feb 70 (Rus)

ENZYMOLOGY

[Redox potential as a differentiating sign of enzymatic types of Shigella sonnei] Blagova NV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:59-62, Dec 70 (Rus)
[Enzyme types of Shigella sonnei isolated in one of the regions of Gorʹki from 1966 to 1968] Garanin BA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:138, Mar 70 (Rus)

GROWTH & DEVELOPMENT

[Standardization of the diagnosis of pathogenic Enterobacteriaceae. 1. Culture media for Shigella sonnei] Bigi S. Z Gesamte Hyg 16:879-82, Nov 70 (Ger)

IMMUNOLOGY

Serological and chemical studies of Sh. sonnei, Pseudomonas shigelloides and C27 strains. Rauss K, et al. Acta Microbiol Acad Sci Hung 17:157-66, 1970
The immunologic properties of free endotoxin of Shigella sonnei. Kowalewska D, et al.
Arch Immunol Ther Exp (Warsz) 18:817-29, 1970
[Studies of crossed immunity between different serotypes of dysentery bacilli and the keratoconjunctivitis-positive, lactoso-negative strain 47552 deprived of Shigella agglutinogen] Ciufecu C.
Arch Roum Pathol Exp Microbiol 28:389-94, Jun-Sep 69 (Fre)
[Oral immunization of mice with Shigella sonnei antigens] Thilo W, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:294-302, 1970 (Ger)
[Use of fluorescence-labeled anti-Shigella-sonnei serums in the conditions of clinical practice. 2. Elucidation of infectious diarrhea syndrome in childhood with different microbiologic examination methods] Thilo W, et al.
Z Gesamte Hyg 16:858-60, Nov 70 (Ger)
[A study on cross immunity in Shigellae following local immunisation with living non-infectious agents] Istrati G, et al.
Zentralbl Bakteriol [Orig] 215:73-6, 1970 (Ger)
[On the epidemiogenic character of some enteropathic colibacilli of the serogroups of O-1 and O-25] Buredea M, et al.
Rev Med Chir Soc Med Nat Iasi 74:873-80, Jul-Sep 70 (Rum)
[The antigenic properties of Escherichia coli glutamate decarboxylase] Likholetova SV.
Mikrobiol Zh 32:57-63, Jan-Feb 70 (Ukr)
[Immunochemical study of polysaccharide-containing complexes of Shigella sonnei] Omel'ianets' TG.
Mikrobiol Zh 32:190-5, 1970 (Ukr)

ISOLATION & PURIFICATION

Colicin typing as an epidemiological tool in the investigation of outbreaks of Shigella sonnei. Reller LB. Appl Microbiol 21:21-6, Jan 71
Shigellosis in Sitka, Alaska, 1968. Clark PS, et al. HSMHA Health Rep 86:173-8, Feb 71
[Detection of dysenteric bacteria Sonnei by the luminscence serological method] Stankevich LA.
Lab Delo 11:686-7, 1970 (Rus)

METABOLISM

Growth factor requirement of Shigella flexneri and Shigella sonnei. Vertényi A, et al.
Acta Microbiol Acad Sci Hung 17:13-6, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Induction of colicin 1a at high temperature. Gromkova RH. J Bacteriol 106:720-3, Jun 71
[Mannit negative variants of Shigella Flexner and Sonnei] Tkachenko AM, et al.
Lab Delo 11:655-7, 1970 (Rus)
[Colicinogenic and enzymatic properties of Shigella sonnei isolated in different territories of the Soviet Union. II. Type composition of Shigella sonnei isolated in various territories] Godovannyf BA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:86-9, Oct 70 (Rus)
[Nutritional requirements of Shigella sonnei strains isolated from patients with acute dysentery] Pokrovskif VI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:109-12, Feb 71 (Rus)

PATHOGENICITY

[Biological charactrristics of Shigella sonnei of different enzymatic types] Kandiurina VG.
Zh Mikrobiol Epidemiol Immunobiol 47:49-54, Nov 70 (Rus)

RADIATION EFFECTS

[Hemolytic Sh. sonnei strains] Stenzel W.
Zentralbl Bakteriol [Orig] 217:563-5, Aug 71 (Ger)
[Reactivation of Shigella sonnei following UV radiation] Cherevatyf VS.
Zh Mikrobiol Epidemiol Immunobiol 48:81-3, Jun 71 (Rus)

SHIKIMIC ACID (D2)

METABOLISM

The role of quinate and shikimate in the metabolism of lactobacilli. Whiting GC, et al.
Antonie van Leeuwenhoek 37:33-49, 1971
Utilization of shikimic acid for the formation of mycobactin S and salicylic acid by Mycobacterium smegmatis. Hudson AT, et al.
Biochemistry 9:3984-7, 29 Sep 70
Biosynthesis of 1,6-phenazinediol 5,10-dioxide (iodinin). Incorporation of shikimic acid. Podojil M, et al. Biochemistry 9:4616-8, 10 Nov 70
Aromatic amino acid biosynthesis in Trichophyton rubrum. 3. Exogenous studies: absence of the shikimic acid pathway. Zussman RA, et al.
Mycopathol Myecol Appl 42:1-8, 28 Dec 70
[Accumulation of shikimic acid by yeasts in the presence of p-aminobenzoic acid] Surovtseva EG.
Mikrobiologiia 39:996-1000, Nov-Dec 70 (Rus)

PHARMACODYNAMICS

Nutritional response to feeding L-phenyllactic, shikimic and D-quinic acids in weanling rats. Seifter E, et al. J Nutr 101:747-54, Jun 71

SHINGLES see HERPES ZOSTER (C1)

SHIPPING FEVER see under PASTEURELLA

INFECTIONS (C1)

SHIPS (J)

Assessment of inhalation hazards aboard inland river towboats. Corn M, et al.
Am Ind Hyg Assoc J 32:313-8, May 71
Bulk carriage of liquid chemicals by sea. Page RC.
Ann Occup Hyg 14:205-11, Jun 71
Sea transport of New Zealand cattle. Andersen HC, et al. Aust Vet J 47:127-8, Mar 71
Mineralization of the sea water distillate on ships. Buczowska Z, et al.
Bull Inst Mar Med Gdansk 21:223-4, 1970
Organic contamination of water on ships. Buczowska Z, et al. Bull Inst Mar Med Gdansk 22:23-8, 1971
Acoustic conditions on harbour tug boats. Szczepański C. Bull Inst Mar Med Gdansk 21:215-22, 1970
The hospital ship Hope. Barnes RW.
Med Arts Sci 23:41-3, 1969
Medical support of the Mobile Riverine Force, Vietnam. Watt DM. Milit Med 135:987-90, Nov 70
Container traffic in relation to imported food. Semple AB. R Soc Health J 91:73-5, Mar-Apr 71
Environmental monitoring and disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1970. Miles ME, et al.
Radiol Health Data Rep 12:235-44, May 71
[A recent and sudden change in barge injuries submersion in the canals of northern France] Lenoir L, et al.
Med Leg Domm Corpor (Paris) 3:261, Jul-Sep 70 (Fre)
[Current problems in naval medicine] Zorn E.
Hefte Unfallheilkd 99:215-20, 1969 (Ger)
[Industrial medicine in relation to ergonomics of navigation and shipbuilding] Franz J.
Zentralbl Arbeitsmed 20:50-3, Feb 70 (Ger)
[Inland navigation--attempt at a review] Sander R.
Zentralbl Arbeitsmed 20:37-47, Feb 70 (27 ref.) (Ger)
[Bacteriological examinations for disinfecting drinking water of ships by means of ultraviolet irradiation. I] Müller G, et al.
Zentralbl Bakteriol [Orig] 215:555-62, 1970 (Ger)
[Food ration of the personnel serving on surface and submarine warships] Bellenghi G.
Ann Med Nav (Roma) 75:551-64, Sep-Oct 70 (Ita)
[Problems concerning the drinking water supply on board ships of the Italian merchant marine] Donati BT, et al.
Ann Sanita Pubblica 31:481-5, Jul-Aug 70 (Ita)
[Hygienic and sanitary aspects of water supply on ships] Di Rocco P. Ig Med 62:562-8, 1969 (Ita)
[On health protection in transportation of radioactive materials on railroad ferry boats] Cagnetti P, et al.
Minerva Fisiconucl 13:145-53, Apr-Jun 69 (Ita)
[Seamen's professional ocular diseases] Shinozuka S, et al. Acta Soc Ophthalmol Jap 75:917-28, 20 Jan 71 (Jap)
[Hygienic conditions in cleaning oil tankers and their influence on the health of workers] Kryzhanovskif NB. Gig Tr Prof Zabol 15:14-7, 1971 (Rus)
[Experience in the use of an insecticide lacquer to exterminate red cockroaches on ships] Troshikhin KM, et al. Voen Med Zh 8:84-5, Aug 70 (Rus)

HISTORY

Fothering the ship. Sims EB. Med J Aust 1:762, 3 Apr 71
[Physician-prisoner on board the ship Cap Arcona] (Okla J), Okla J. Przegl Lek 27:131-5, 1971 (Pol)

SHIVERING (G1)

Shaking chills and fever. Asnes RS.
Clin Pediatr (Phila) 10:334, Jun 71
Effect of injury on shivering thermogenesis in the rat. Stoner HB. J Physiol (Lond) 214:599-615, May 71
Analysis of electromyograms in shivering rabbits. Janský L, et al. Physiol Bohemoslov 19:397-402, 1970
[Frequency of cold shivering in animal species of different size] Spaan G, et al.
Pfluegers Arch 320:318-33, 1970 (Ger)
[The temperature stimulus for formation and development of thermoregulatory tone in shivering] Ivanov KP, et al.
Fiziol Zh SSSR 56:1633-7, Nov 70 (Rus)

SHOCK (C17)

Remissions in diabetes mellitus. Greene R.
Br Med J 3:707, 19 Sep 70
The patient in shock. I. MacLean LD, et al.
Can Med Assoc J 105:78-83, 10 Jul 71 (15 ref.)
The patient in shock. II. MacLean LD, et al.
Can Med Assoc J 105:182-6 passim, 24 Jul 71 (11 ref.)
[Symposium on shock] Heinonen J.
Duodecim 87:225-7, 1971 (Fin)
[Microcirculation and shock] Du Cailar J, et al.
Maroc Med 49:677-85, Dec 69 (Fre)
[Shock. Physiopathologic, clinical and therapeutic study] Grivaux M, et al.
Sem Hop Paris 47:2061-60, 10 Jul 71 (Fre)
[Shock and the treatment of its internal clinical aspects] Hochrein H, et al.
Med Klin 65:93-7, 16 Jan 70 (Ger)
[Shock and emergency situation] Pflüger H.
Med Klin 65:97-100, 16 Jan 70 (Ger)
[Blood lipid changes in different shock models] Huth K. Med Welt 22:1173-4, 24 Jul 71 (Ger)
[Pathogenesis, diagnosis and therapy of shock in obstetrics and gynecology] Kruschwitz S.
Z Aerztl Fortbild (Jena) 65:29-34, 1 Jan 71 (Ger)
[Shock in the internal medicine] Emmrich R.
Z Gesamte Inn Med 26:Suppl:154-9, 15 Jun 71 (Ger)
[Present trends in the studies of shock in France] Okada K. Jap J Anesthesiol 20:195-201, Mar 71 (Jap)
[Evaluation of obstetrical shock and maternal mortality in Nagano prefecture] Fukuda T, et al.
Sanfujinka Jissai 19:1245-53, Dec 70 (Jap)
[Obstetric shock] Hayashi M.
Sanfujinka Jissai 19:1195-7, Dec 70 (Jap)
[Physiopathology of shock]
Resen Clin Cient 39:245-8, Sep-Oct 70 (Por)
[Clinical verification of the phenomenon of chemical saturation of antibodies during allergic shock caused by penicillin] Seropian E.
Med Interna (Bucur) 22:997-1000, Aug 70 (Rum)
[Shock within the concept of cardiocirculatory insufficiency. Its physiopathology, clinical aspects and treatment] Chávez-Rivera I.
Gac Med Mex 101:243-87, Mar 71 (Spa)

BLOOD

Blood lactate in the prognosis of various forms of shock. Vitek V, et al. Ann Surg 173:308-13, Feb 71
Red cell 2,3-diphosphoglycerate and adenosine triphosphate in patients with shock. Chillar RK, et al.
Br J Haematol 21:183-8, Aug 71
Changes in catecholamine levels during shock in man. Hanquet M, et al. Can Anaesth Soc J 17:201-12, May 70
Cardiac actions of a myocardial depressant factor isolated from shock plasma. Thalinger AR, et al.
Proc Soc Exp Biol Med 136:354-8, Feb 71
[State of shock and intravascular disseminated coagulation] Demange J.
Maroc Med 537:420-6, Jul 70 (Fre)
[State of shock and intravascular disseminated coagulation] Demange J.
Maroc Med 50:420-6, Jul 70 (Fre)
[Effect of mepyramine on the elevated potassium level in various types of shock in the guinea pig] Giertz H, et al.
Arch Int Pharmacodyn Ther 181:424-33, Oct 69 (Ger)
[Behavior of thrombocytes in shock] Breddin K.
Med Welt 22:1165-6, 24 Jul 71 (Ger)
[Rheologic problems in shock] Ehrly AM.
Med Welt 22:1167-8, 24 Jul 71 (Ger)
[Unesterified free fatty acids in the serum and agonal circulatory failure] Gostomzyk JG, et al.
Z Klin Chem Klin Biochem 7:505-8, 8 Sep 70 (Ger)
[Adrenergic mechanism of hypoglycemic shock in rabbits. I. Venous blood plasma concentration of adrenaline (A) and noradrenaline (NA) during insulin-induced hypoglycemia] Wasilewska E, et al.
Endokrynol Pol 22:105-12, 1971 (Pol)

CHEMICALLY INDUCED

Tween 20 shock in dogs and related fibrinogen changes. Marks LS, et al. Am J Physiol 220:218-21, Jan 71
[Traffic accidents as an expression of "iatrogenic damage"] Bonifacio A, et al.
Minerva Med 62:735-40, 24 Feb 71 (Ita)
[Malpractice and new rulings. 2. Ruling on physicians' duty concerning prevention of drug shock] Terahata K. Iryo 25:483-4, Jun 71 (Jap)

CLASSIFICATION

A new simplified classification of shock. Chávez Rivera I Jr. Mal Cardiovasc 10:525-35, 1969

COMPLICATIONS

"Shock lung". Calif Med 112:43-50, Feb 70
Hepatic changes associated with shock. Cook GC.
Int Anesthesiol Clin 7:883-94, Winter 69 (26 ref.)
Acidosis in low flow states. Robinson JS.
Int Anesthesiol Clin 7:895-903, Winter 69 (13 ref.)
Renal failure during and after shock. Rosen SM.
Int Anesthesiol Clin 7:861-81, Winter 69 (15 ref.)
Pulmonary failure associated with clinical shock states. Lewin I, et al. J Trauma 11:22-35, Jan 71
Hemorrhagic fever-shock syndrome in Surabaja, Indonesia. Partana L, et al.
Kobe J Med Sci 16:189-201, Dec 70
Pathogenesis of the shock lung. Sladen A.
Tex Med 67:67-71, Jun 71
[Postural shock of the pregnant woman and acute distress of the fetus during labor. Recording of the sounds of the fetal heart] Grosieux P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:356-8, Jun-Aug 70 (Fre)
[Shock lung and filters of tubulures for transfusions] Radiguet de la Bastaie P.
Cah Anesthesiol 19:65-7, Jan-Feb 71 (Fre)
[Consumption coagulopathies: definition and limits of application of a concept, particulary in the sphere of states of shock] Vergoz D.
Presse Med 79:431-4, 24 Feb 71 (Fre)
[Endocarditis verrucosa simplex-thrombotica with consumption-coagulopathia (shock, leukemia, carcinoma)] Mittermayer C, et al.
Beitr Pathol 143:29-58, Apr 71 (Ger)
[Pulmonary microthrombi as a cause of respiratory insufficiency in disseminated intravascular coagulation (shock-lung)] Mittermayer C, et al.
Dtsch Med Wochenschr 95:1999+, 2 Oct 70 (Ger)
[Generalised plasmatic hypercoagulability and pulmonary hyaline membranes in the adult] Bleyl U, et al. Klin Wochenschr 49:71-81, 15 Jan 71 (Ger)
[Studies on the pathogenesis of fat embolism] Burkhardt K. Med Welt 46:1969-77, 14 Nov 70 (Ger)
[Pathophysiology of the shock kidney] Leber HW, et al.
Med Welt 22:1169-70, 24 Jul 71 (Ger)
[Comparative studies in adults and newborn infants on the pathogenesis of pulmonary hyaline membranes] Bleyl U. Verh Dtsch Ges Pathol 54:340-8, 1970 (Ger)
[Model experiment for the detection of the pathomechanism of human shock kidney. Induction of acute uremic nephropathy by uricase inhibition in experimental animals under shock (preliminary report)] Domokos B, et al.
Orv Hetil 111:2354-6, 4 Oct 70 (Hun)
[Intestinal changes in shock in the elderly] Baeroe PR.
Tidsskr Nor Laegeforen 91:1532-3, 10 Aug 71 (Nor)

DIAGNOSIS

[Clinical picture, diagnosis, and prognosis of shock] Lutz H. Med Welt 22:1188-90, 24 Jul 71 (Ger)

DRUG THERAPY

Hemodynamic changes, treatment, and prognosis in clinical shock. Wilson RF, et al.
Arch Surg 102:21-4, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Vasopressors and other drugs used in shock.
Br Med J 3:756-7, 26 Sep 70
Experience in the treatment of burns in an underdeveloped country. Corkill G, et al.
Int Surg 54:445-8, Dec 70
Indications for adrenergic stimulators in shock. Mills LC, et al.
Int Z Klin Pharmakol Ther Toxikol 4:385-95, Jun 71
Isoproterenol and norepinephrine therapy for pulmonary embolism shock. Rosenberg JC, et al.
J Thorac Cardiovasc Surg 62:144-50, Jul 71
Steroids in mountain rescue. Lancet 1:599, 20 Mar 71
The dilemma of vasopressors and vasodilators in the therapy of shock. Shoemaker WC, et al.
Surg Gynecol Obstet 132:51-7, Jan 71
[The use of corticosteroids in shock] Louhimo I.
Duodecim 87:305-16, 1971 (Fin)
[Pharmacological basis of the treatment of shock] Faucon G, et al.
Actual Pharmacol (Paris) 22:19-84, 1969 (510 ref.) (Fre)
[Intra-arterial blood pressure in continuous measurement by microcatheter. Indication, technic, results] Otteni JC, et al.
Anesth Analg (Paris) 28:167-82, Jan-Feb 71 (Fre)
[Place of pharmacodynamic agents in the treatment of the state of shock] Charlier P.
Coeur Med Interne 8:363-90, Jul 69 (Fre)
[The irreversible shock: some reflections apropos of a simple treatment that has been used by us for 2 years] Poisvert M, et al. Laval Med 41:1112-6, Nov 70 (Fre)
[Physiopathology and treatment of collapsus] Pauchant M, et al. Lille Med 16:113-9, 1971 (Fre)
[Use of methylprednisolone in resuscitation in various types of acute respiratory and cardiovascular distress] Motin J, et al.
Lyon Med 225:461-7, 14 Mar 71 (Fre)
[Corticoids in emergency medicine] Dezoteux H, et al.
Maroc Med 49:519-21, Aug-Sep 69 (Fre)
[Use of glucagon by continuous perfusion in the treatment of shock states] Bernard S, et al.
Presse Med 79:267-70, 6 Feb 71 (Fre)
[Treatment of shock caused by portal stasis syndrome during prolonged extracorporeal circulation] Holec V, et al. Bull Soc Int Chir 28:293-9, May-Jun 69 (Ger)
[Glucocorticoids in prophylaxis and therapy of different kinds of shock] Beickert A.
Dtsch Gesundheitsw 25:2061-7, 29 Oct 70 (60 ref.) (Ger)
[Volume substitution and vasoactive pharmaca in the treatment of shock] Zierott G.
Dtsch Med Wochenschr 95:2452-5, 27 Nov 70 (Ger)
[Drugs in shock treatment] Dietzman RH, et al.
Internist (Berlin) 12:103-7, Mar 71 (Ger)
[Fibrinolytic therapy in shock] Schmutzler R, et al.
Med Welt 22:1200-2, 24 Jul 71 (Ger)
[Indications for fibrinolysis] Martin M.
Praxis 59:770-5, 28 May 70 (Ger)
[Alpha- and beta-stimulating drugs and oxyphenyloxyethylaminoethane hydrochloride in the treatment of shock] Di Corato R, et al.
Acta Anaesthesiol (Padova) 21:873-9, Sep-Oct 70 (Ita)
[Effects of glucocorticoid therapy on the agonal state in the aged] Saba GC, et al.
G Clin Med 51:400-10, May 70 (Ita)
[Clinical evaluation of water-electrolytic exchange and carbohydrate metabolism in massive dose corticosteroid treatment] Uleri G, et al.
Minerva Anestesiol 36:307-14, May 70 (Ita)
[Physiopathology and the treatment of shock] Yamamura H.
Sanfujinka Jissai 19:1198-202, Dec 70 (Jap)
[Corticosteroids and shock] Naess K.
Tidsskr Nor Laegeforen 91:1482-3, 10 Jul 71 (Nor)
[Use of vasodilator agents in the treatment of shock] Marqués Sala R.
Rev Esp Anestesiol Reanim 17:717-20, Oct 70 (Spa)

ENZYMOLOGY

Lysosomal enzymes in murine tourniquet shock. Alho A. Acta Chir Scand 136:555-60, 1970
Adenosine triphosphatase activities of subcellular fractions of normal and ischemic muscles. Kohama A, et al. J Surg Res 11:297-302, Jun 71
[Enzymological studies of shock] Yoshikawa K.
Jap J Anesthesiol 20:101-8, Feb 71 (36 ref.) (Jap)
[Changes in serum aminotransferase activity of white rats during shock due to compression of soft tissues depending on the functional state of the adrenal glands] Kulikova NA.
Biull Eksp Biol Med 68:29-31, Jun 69 (Rus)

ETIOLOGY

Shock in Bantu siderosis. Buchanan WM.
Am J Clin Pathol 55:401-6, Apr 71
Electric shock hazard associated with pressure transducers. Graystone P, et al.
Anesthesiology 34:79-80, Jan 71
Demonstration of a lethal endotoxemia of intestinal origin in refractory non-septic shock. Tamakuma S, et al. Ann Surg 173:219-24, Feb 71
Functioning villous adenoma of the rectum. Blight WJ, et al. Can Med Assoc J 104:65, 9 Jan 71
Role of lysosomes in the pathogenesis of splanchnic ischemia shock in cats. Glenn TM, et al.
Circ Res 27:783-97, Nov 70
Factors exacerbating shoc in the tropics. Farman JV.
Int Anesthesiol Clin 7:969-85, Winter 69 (20 ref.)
Treatment of shock following myocardial infarction. Cohn JN. J Iowa Med Soc 59:756-7, Aug 69
Fatal hypovolemic shock due to massive edema following cardiopulmonary bypass. Smullens SN, et al.
J Thorac Cardiovasc Surg 61:348-51, Mar 71
Addison's disease, status asthmaticus, and shock. Del Río A, et al. Lancet 2:104, 10 Jul 71
Circulatory collapse following the restoration of blood flow to the occluded superior mesenteric artery. Chiu CJ, et al. Surg Forum 21:47-9, 1970
Characterization of the acute hepatic failure syndrome associated with the anhepatic state. Mori K, et al.
Surg Gynecol Obstet 131:919-27, Nov 70
[Shock during the initial phase of burn syndrome] Kalina J, et al.
Acta Chir Orthop Traumatol Cech 38:26-32, Feb 71 (Cze)
[Postural preoperative shock in pregnant women] Dumont M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:437-8, Sep-Oct 69 (Fre)
[Effects of acute gastrointestinal ischemia upon the heart. Experimental study] Dogru M, et al.
Bull Soc Int Chir 26:536-45, Nov-Dec 67 (Fre)
[Shock caused by injection of incompatible erythrocytes in the dog. Role of heparin discharge in the prevention of intravascular coagulation] Dosne AM. J Physiol (Paris) 1:Suppl 1:123, 1969 (Fre)
[Hemolytic transfusion shock and fibrinolysis] Dosne AM. J Physiol (Paris) 62:Suppl 2:272, 1970 (Fre)
[Physiopathology and treatment of collapsus] Pauchant M, et al. Lille Med 16:113-9, 1971 (Fre)
[Shock in diabetic coma] Baquet R.
Maroc Med 537:432-3, Jul 70 (Fre)
[Shock in diabetic coma] Baquet R.
Maroc Med 50:432-3, Jul 70 (Fre)
[Etiology and treatment of pre-shock] Teilhaud G.
Maroc Med 537:490-2, Jul 70 (Fre)
[Etiology and treatment of pre-shock] Teilhaud G.
Maroc Med 50:490-2, Jul 70 (Fre)
[Pheochromocytoma with "adrenaline shock"] Mornex R, et al. Rev Lyon Med 18:563-76, 15 Oct 69 (Fre)
[Etiologies of shock particular to obstetrics] Grégoire L. Rev Med Liege 26:30-2, 1 Jan 71 (Fre)
[Animal experiment studies on the essential role of kinins in tourniquet shock of the rat] Eigler FW, et al.
Med Welt 22:1186-7, 24 Jul 71 (Ger)
[Central factors in shock producing] Umbach W.
Med Welt 22:1171-3, 24 Jul 71 (Ger)
[The adrenergic system in pathogenesis of 2 types of experimental shock] Novelli GP, et al.
Acta Anaesthesiol (Padova) 22:1-29, Jan-Feb 71 (Ita)
[Cardiocirculatory arrest in resuscitation: case reports] Castelli E, et al.
Boll Soc Ital Cardiol 15:649-57, 1970 (Ita)
[The reticuloendothelial system in the pathogenesis and course of experimental shock] Novelli GP, et al.
Policlinico [Chir] 76:92-109, Mar-Apr 69 (Ita)
[Present state of studies on the pathogenesis and treatment of shock] Rudowski W.
Ginekol Pol 41:1301-7, 1970 (Pol)
[Case of post-transfusion shock due to anti-Lewis antibodies] Kuśnierz G.
Pol Tyg Lek 26:682-4, 3 May 71 (Pol)
[Severe post-transfusion shock of unknown etiology] Medyński M, et al.
Pol Tyg Lek 26:1001-2, 28 Jun 71 (Pol)
[The mechanism of the reaction of the hypothalamo-hypophyseal-adrenal system to stress] Eremina SA. Biull Eksp Biol Med 67:40-3, Jun 69 (Rus)
[Shock in myocardial infarct] Lukomskiĭ PE.
Vestn Akad Med Nauk SSSR 25:57-63, 1970 (Rus)

METABOLISM

Effect of cold shock on respiration and glycolysis in swine arterial tissue. Scott RF, et al.
Am J Physiol 219:1363-5, Nov 70
Lactate accumulation in primate spinal cord during circulatory arrest. Feldman RA, et al.
J Neurosurg 34:613-20, May 71
Presence of a myocardial depressant factor in patients in circulatory shock. Lovett WL, et al.
Surgery 70:223-31, Aug 71
[Biochemistry of shock] Miettinen TA.
Duodecim 87:254-61, 1971 (Fin)
[Shock: catecholamine variation during its development and use of dopamine in its treatment] Hanquet M, et al. Laval Med 42:559-73, Jun 71 (Fre)
[Oxygen consumption of the entire organism in animal and human shock] Neuhof H, et al.
Verh Dtsch Ges Inn Med 75:383-6, 1969 (Ger)
[Changes in water-salt and acid-base equilibrium in shock] Klajman AA.
Rev Bras Med 27:633-5, Nov 70 (Por)
[Changes in acid-base equilibrium during hemotransfusion shock of various severity] Vinogradova IL, et al.
Probl Gematol Pereliv Krovi 15:27-32, Jul 70 (Rus)

MORTALITY

Influence of reticuloendothelial functional alterations on mortality patterns in endotoxin and tourniquet shock. Trejo RA, et al.
J Reticuloendothel Soc 9:299-306, Apr 71

PATHOLOGY

Decreased red-cell deformability after severe burns, determined with the chlorpromazine test. Braasch D, et al. Pflugers Arch 323:41-9, 1971
[Findings on the rat liver in various types of shock] Kief H, et al. Med Welt 22:1183-6, 24 Jul 71 (Ger)
[Electron microscopic findings on the terminal vascular system of the lung and kidney in shock] Lapp H. Med Welt 22:1190-3, 24 Jul 71 (Ger)
[The morphological substrate of shock] Rotter W.
Med Welt 22:1175-80, 24 Jul 71 (Ger)

PHYSIOPATHOLOGY

Forelimb transcapillary fluid fluxes and vascular resistances in catecholamine shock. Grega GJ, et al.
Am J Physiol 220:1448-62, May 71
Hemodynamic changes, treatment, and prognosis in clinical shock. Wilson RF, et al.
Arch Surg 102:21-4, Jan 71
Vascular adjustments during the development of shock. Nickerson M.
Can Med Assoc J 103:853-9, 17 Oct 70
Studies in clinical shock and hypotension. VII. Renal hemodynamics before and during treatment. Tristani FE, et al. Circulation 42:839-51, Nov 70
Spinal shock and strychnine convulsions in intact and spinal amphibians and reptiles. Chaiarch P, et al.
Comp Biochem Physiol 38:175-81, 1 Jan 71
The blood and transfusion fluids in shock. Greenbaum R. Int Anesthesiol Clin 7:775-97, Winter 69 (11 ref.)
Cardiac output in shock. Kelman GR.
Int Anesthesiol Clin 7:739-57, Winter 69 (15 ref.)
Lung function in shock. Prys-Roberts C.
Int Anesthesiol Clin 7:759-73, Winter 69 (14 ref.)
Fluids and electrolytes in shock. Jones JR.
Int Z Klin Pharmakol Ther Toxikol 4:396-7, Jun 71
The effects of intra-aortic counterpulsation on cardiac performance and metabolism in shock associated with acute myocardial infarction. Mueller H, et al.
J Clin Invest 50:1885-900, Sep 71
Role of the veins in shock. Hinshaw LB.
J Okla State Med Assoc 63:106-16, Mar 70
Changes in the somatosensory cortical evoked potential produced by hypovolemic shock. McCutcheon EP, et al.
Proc Soc Exp Biol Med 136:1063-7, Apr 71
Sequential hemodynamic patterns in various causes of shock. Shoemaker WC.
Surg Gynecol Obstet 132:411-23, Mar 71
[Shock and the kidney] Haapanen E.
Duodecim 87:285-91, 1971 (Fin)
[Respiratory distrubances in shock] Lahdensuu M.
Duodecim 87:292-6, 1971 (Fin)
[Microcirculatory distrubances in shock] Somer T.
Duodecim 87:344-53, 1971 (Fin)
[States of shock. Physiopathology] Catala L.
Maroc Med 537:411-3, Jul 70 (Fre)
[States of shock. Physiopathology] Catala L.
Maroc Med 50:411-3, Jul 70 (Fre)
[Abdominal circulation in shock] Gomez Moran S.
Maroc Med 537:414-6, Jul 70 (Fre)
[Abdominal circulation in shock] Gomez Moran S.
Maroc Med 50:414-6, Jul 70 (Fre)
[Inversion of terminal circulation in shock] Brinzeu P, et al. Presse Med 79:1292, 5 Jun 71 (Fre)
[Physiopathology of shock] Hanquet M.
Rev Med Liege 26:26-30, 1 Jan 71 (Fre)
[Pathophysiology of extremity ischemia and tourniquet shock] Hofmann KT.
Ann Univ Sarav [Med] 16:1-80, 1969 (Ger)
[New developments in the pathophysiology of clinical shock] Landsgaard-Hansen P.
Chirurg 41:498-505, Nov 70 (Ger)
[Shock, microcirculation and hemostasis] Neuhof H, et al.
Dtsch Med Wochenschr 95:1937-42, 18 Sep 70 (60 ref.) (Ger)
[Pathophysiologic aspects of the hypovolemic, cardiogenic, and bacteriotoxic shock] Messmer K, et al. Med Welt 22:1159-64, 24 Jul 71 (86 ref.) (Ger)
[Dehydration-shock in early childhood] Graser F, et al.
Monatsschr Kinderheilkd 119:204-8, Jun 71 (Ger)
[Shock in animal experiments: Some problems in the regulation of the lesser and greater circulation] Takács L.
Z Gesamte Inn Med 26:Suppl:159-60 c, 15 Jun 71 (Ger)
[Further data on the physiopathology of shock] Varesi M. Arch Ital Otol 81:33-8, Mar-Apr 70 (Ita)
[Shock and the lymph in the thoracic duct] Hayashi S, et al. Jap J Anesthesiol 20:109-16, Feb 71 (Jap)
[Physiopathology and the treatment of shock]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Yamamura H.
Sanfujinka Jissai 19:1198-202, Dec 70 (Jap)
[Current concept of pathophysiology of shock] Miyazaki M, et al.
Surg Ther (Osaka) 23:531-43, Nov 70 (64 ref.) (Jap)
[Disorders of microcirculation in shock] Ciesielski L.
Pol Przegl Chir 42:1249-55, Aug 70 (30 ref.) (Pol)
[The effect of cholinolytic drugs on adrenocortical 17-hydroxycorticosteroid secretion, blood flow through the adrenal glands and blood pressure under shock-producing conditions] Ryzhenkov VE, et al.
Patol Fiziol Eksp Ter 14:25-8, Nov-Dec 70 (Rus)
[Hidden ion changes in circulatory shock] Haljamäe H.
Nord Med 84:1443-4, 5 Nov 70 (Swe)

PREVENTION & CONTROL

Effects of glyceryl trioleate on the reticuloendothelial system and survival after experimental shock. Altura BM, et al. J Pharmacol Exp Ther 175:555-64, Dec 70
[Prevention of dental shock] Yasuda Y.
J Jap Dent Assoc 23:1095-106, 1971 (Jap)
[Prevention of obstetrical shock] Shinagawa S.
Sanfujinka Jissai 20:463-6, Apr 71 (Jap)
[Use of haemocel for restoring the blood volume in the resuscitation of severely injuried patients] Bordei Blanco E, et al.
Rev Esp Anestesiol Reanim 17:771-4, Oct 70 (Spa)
[Use of haemocel in resuscitation of people drowning in seawater] Chulilá Cámpos V, et al.
Rev Esp Anestesiol Reanim 17:779-83, Oct 70 (Spa)

SURGERY

[Conclusions from the editorial department]
Ortop Travmatol Protez 31:85-6, Oct 70 (Rus)

THERAPY

Treatment of shock. Fowler AW.
Br Med J 4:494, 21 Nov 70
Respiratory therapy. Collis JM.
Int Anesthesiol Clin 7:799-817, Winter 69 (14 ref.)
Emergency extracorporeal circulation. Gil-Rodriguez JA. Int Anesthesiol Clin 7:921-32, Winter 69 (7 ref.)
The blood and transfusion fluids in shock. Greenbaum R. Int Anesthesiol Clin 7:775-97, Winter 69 (11 ref.)
Computers in the management of shock. Hill DW. Int Anesthesiol Clin 7:1035-6, Winter 69 (19 ref.)
Hyperbari oxygen in shock. Ledingham IM. Int Anesthesiol Clin 7:819-39, Winter 69 (20 ref.)
The management of shock in primitive conditions. Payne JP.
Int Anesthesiol Clin 7:949-67, Winter 69 (13 ref.)
Treatment of shock. Sonnenschein H.
JAMA 217:697, 2 Aug 71
Evolution of the modern therapy of shock: science vs. empiricism. Schumer W.
Surg Clin North Am 51:3-13, Feb 71
Central venous pressure and blood volume determinations in clinical shock. Wilson RF, et al.
Surg Gynecol Obstet 132:631-6, Apr 71
Meeting the challenge of critical-care medicine. Waisbren BA. Wis Med J 69:197-200, Aug 70
[Technical aspects of long-term infusion therapy] Tammisto T, et al. Duodecim 87:279-84, 1971 (Fin)
[Physiopathologic bases of treatment of shock] Hanquet M. Laval Med 42:383-90, Mar 71 (Fre)
[States of medically constituted shock. Therapeutic thoughts] Dezoteux H, et al.
Maroc Med 537:427-9, Jul 70 (Fre)
[States of medically constituted shock. Therapeutic thoughts] Dezoteux H, et al.
Maroc Med 50:427-9, Jul 70 (Fre)
[Etiology and treatment of pre-shock] Teilhaud G.
Maroc Med 537:430-2, Jul 70 (Fre)
[Etiology and treatment of pre-shock] Teilhaud G.
Maroc Med 50:430-2, Jul 70 (Fre)
[Place of blood in the modern treatment of shock, especially after transfusion] Malavaud A.
Rev Fr Transfus 13:397-405, Dec 70 (Fre)
[Emergency treatment in shock] Hanquet M.
Rev Med Liege 26:40-4, 1 Jan 71 (Fre)
[Basic principles of shock therapy] Schröder R.
Dtsch Med Wochenschr 96:167-9, 22 Jan 71 (Ger)
[Intensive therapy in shock and collapse] Ahnefeld FW, et al. Hefte Unfallheilkd 99:22-6, 1969 (Ger)
[Shock and the treatment of its internal clinical aspects] Hochrein H, et al.
Med Klin 65:93-7, 16 Jan 70 (Ger)
[Relationship between morphological and hemodynamic changes in postpancreatitis shock and their therapeutic management] Wanke M, et al.
Med Welt 27:1238-46, 4 Jul 70 (Ger)
[On antishock therapy] Varesi M.
Arch Ital Otol 81:89-94, Mar-Apr 70 (Ita)
[Report on one year of clinical activity of the coronary unit of the resuscitation department of the Policlinico Universitario of Milan] Lotto A, et al.
Boll Soc Ital Cardiol 15:434-46, 1970 (Ita)
[Current trends in the therapy of the shock] Castiglioni G. Minerva Med 61:1-9, 6 Jan 70 (Ita)
[Shock and fluid therapy] Hinohara S.
Naika 26:664-9, Oct 70 (Jap)
[Effects of massive fluid infusion on physiological functions and the therapy of shock] Takaori M.
Saishin Igaku 26:331-40, 10 Feb 71 (30 ref.) (Jap)
[Therapy of bacterial shock based on the physiopathology] Sumida Y.
Sanfujinka Jissai 19:1203-20, Dec 70 (Jap)
[Current therapeutic methods in refractory shock] Sumida S.
Surg Ther (Osaka) 23:563-72, Nov 70 (17 ref.) (Jap)
[Current therapeutic methods in refracory shock] Sumida S.
Surg Ther (Osaka) 23:563-72, Nov 70 (17 ref.) (Jap)
[Present state of studies on the pathogenesis and treatment of shock] Rudowski W.
Ginekol Pol 41:1301-7, 1970 (Pol)
[Treatment of experimental tourniquet shock] Danovich FM, et al. Klin Khir 4:72-5, Apr 70 (Rus)
[Restoration of blood volume in shock] Messmer K.
Prensa Med Argent 57:1667-76, 30 Oct 70 (Spa)
[Restoration of blood volume and distrubances of fluid balance in shock] Thorén L.
Duodecim 87:269-78, 1971 (Swe)

URINE

Changes in catecholamine levels during shock in man. Hanquet M, et al. Can Anaesth Soc J 17:201-12, May 70

SHOCK, ANAPHYLACTIC see under

ANAPHYLAXIS (C14)

SHOCK, CARDIOGENIC (C8, C17)

Cardiogenic shock. A review of one year's experience. Wan SH, et al. Med J Aust 1:1000-4, 8 May 71
[Shock in myocardial infarct] Hayat JC, et al.
Praxis 59:727-9, 19 May 70 (Fre)
[Risk factors of heart infarction and "cardiovascular failure"] Kellner W.
Med Klin 65:857-9, 24 Apr 70 (Ger)
[New aspects on cardiogenic shock] Schlesinger Z, et al. Harefuah 78:237-41, 1 Mar 70 (52 ref.) (Heb)
[Mechanical and electric failure in myocardial infarct. Their physiopathology and treatment] Chávez-Rivera I. Gac Med Mex 101:369-419, Apr 71 (Spa)

BLOOD

[Effect of fibrinolysis in cardiogenic shock] Breddin K.
Med Welt 22:1206, 24 Jul 71 (Ger)
[Diagnosis of hypovolemias] Montoli E, et al.
Acta Anaesthesiol (Padova) 21:493-509, Jul-Aug 70 (Ita)
[Functional state of the thrombocytes and blood coagulation in patients with myocardial infarct complicated by shock] Liusov VA, et al.
Kardiologiia 10:50-9, Jul 70 (Rus)

CHEMICALLY INDUCED

Intra-aortic balloon augmentation durng drug-induced myocardial depression. Grossman JI, et al.
Surgery 70:304-10, Aug 71

COMPLICATIONS

[Central necrosis of the liver after shock] Müller R, et al. Verh Dtsch Ges Pathol 54:511-3, 1970 (Ger)
[Autopsy case of aplastic anemia with shock and temporary rise of ST] Kurosaki M, et al.
Naika 28:358-62, 1971 (Jap)
[Acute renal insufficiency in patients with myocardial infarct complicated by cardiogenic shock] Teodori MI, et al. Kardiologiia 10:24-31, Jul 70 (Rus)

DIAGNOSIS

Application of statistical techniques for assessment of prognosis in patients with acute circulatory failure (shock). Winkel P, et al. J Chronic Dis 24:61-9, Jun 71
[Diagnosis of cardiogenic shock] Haan D, et al.
Med Welt 22:1193-4, 24 Jul 71 (Ger)

DRUG THERAPY

Chlorpromazine in the treatment of cardiogenic shock. Guiotta SJ. Am Heart J 80:570-3, Oct 70
Glucagon: a new agent in cardiac therapy. Parmley WW, et al. Am J Cardiol 27:298-303, Mar 71
Glucagon? One answer to cardiogenic shock. Deraney MF. Am J Med Sci 261:149-54, Mar 71
Treatment of cardiogenic shock. Robinson BF.
Arq Bras Cardiol 23:279-84, Aug 70
Acute hemodynamic effects of dopamine in patients with shock. Loeb HS, et al.
Circulation 44:163-73, Aug 71
Digitalis in cardiogenic shock. Weisman SA.
Geriatrics 25:178-80, Oct 70
[Cardiogenic shock and severe hypotension in acute myocardial infarct treated with glucagon. Preliminary experience from a coronary unit] Amtorp O, et al.
Ugeskr Laeger 133:867-70, 7 May 71 (Dan)
[The use of sympathomimetics and sympatholytics in shock] Torsti P. Duodecim 87:297-304, 1971 (Fin)
[Cardiotonic effects of glucagon] Robert M, et al.
Schweiz Med Wochenschr 100:1345-52, 1 Aug 70 (Fre)
[Emergency therapy in acute coronary insufficiency and a recent heart infarction] Geissler W.
Dtsch Gesundheitsw 25:2127-32, 5 Nov 70 (Ger)
[Problems in the treatment of cardiogenic shock] Heublein B, et al.
Dtsch Gesundheitsw 25:732-7, 23 Apr 70 (Ger)
[Effect of digitalis on hemodynamics in acute myocardial infarct. II. Myocardial infarct associated with acute severe insufficiency of the left heart and cardiogenic shock] Schüren KP, et al.
Klin Wochenschr 48:591-7, 15 May 70 (Ger)
[Therapy of cardiogenic shock] Haan D, et al.
Med Welt 22:1202-5, 24 Jul 71 (Ger)
[Treatment of cardiogenic shock] Baedeker W.
Ther Ggw 110:676 passim, May 71 (Ger)
[Current views on the use of sympathomimetic amines in shock caused by myocardial infarct] Guerricchio G.
Minerva Med 62:586-91, 14 Feb 71 (Ita)
[Use of some beta-adrenergic stimulators in the treatment of critical states of the cardiovascular system] Gavrilescu S, et al.
Med Interna (Bucur) 22:1201-16, Oct 70 (Rum)
[Use of adrenergic alpha receptor blockaders in patients with myocardial infarct in the state of shock] Gratsianskiĭ NA. Kardiologiia 10:39-53, Sep 70 (Rus)
[Methylprednisolone in the complex theapy of shock in myocardial infarct] Gratsianskiĭ NA.
Kardiologiia 10:45-53, Dec 70 (Rus)
[Solutions of polymerized polypeptides in the treatment of cardiogenic shock] Gutiérrez Goicoechea JM.
Rev Esp Anestesiol Reanim 18:137-9, Jan 71 (Spa)
[Cardiovascular changes evoked by g-strophanthin during cardiogenic shock] Valachovič A, et al.
Bratisl Lek Listy 55:304-13, 1971 (Slo)

ETIOLOGY

Prolonged shock resulting from pulmonary embolism: physiologic, diagnostic, and therapeutic considerations. Kroeker EJ, et al.
Anesth Analg (Cleve) 50:141-9, Jan-Feb 71
[Myocardial infarction. Thomas M.
Int Anesthesiol Clin 7:905-20, Winter 69 (13 ref.)
Myocardial infarction. Thomas M.
Int Anesthesiol Clin 7:905-20, Winter 69 (13 ref.)
Hypotension and the shock syndrome. Ross RS.
Mich Med 69:1075-6, Dec 70
Acute circulatory failure secondary to myocardial infarction. McCann WD, et al.
Postgrad Med 49:74-9, May 71
[Complications of the myocardial infarct] Lequime J.
Cardiol Prat 22:93-105, Apr 71 (Fre)
[Cardiogenic shock caused by myocardial infarct] Bertrand M. Lille Med 16:293-7, Feb 71 (Fre)
[Amniotic fluid embolism as cause of serious cardiovascular shock] Lampe W.
Med Klin 63:1508-11, 20 Sep 68 (Ger)
[Role of cardiac dyssynergia in the pathogenesis of so-called cardiogenic shock in infarct cardiopathy. Value of kinetocardiographic recordings] Finardi G.
Cardiol Prat 22:49-56, Feb 71 (Ita)
[On the pathogenesis of shock due to myocardial infarct] Starcich R.
Minerva Cardioangiol 17:559-67, Sep 69 (Ita)
[Model of cardiogenic collapse (shock) in experimental myocardial infarct] Ganelina IE, et al.
Kardiologiia 10:42-5, Dec 70 (Rus)
[Role and significance of autoimmune processes and disturbances in steroid hormone metabolism in the genesis of cardiogenic shock] Iurenev PN, et al.
Kardiologiia 10:16-24, Jul 70 (Rus)
[Functional state of the thrombocytes and blood coagulation in patients with myocardial infarct complicated by shock] Liusov VA, et al.
Kardiologiia 10:50-9, Jul 70 (Rus)
[Pathogenesis and clinical aspects of shock in myocardial infarct] Moiseev SG, et al.
Kardiologiia 10:13-6, Jul 70 (Rus)
[Clinical evaluation of cardiogenic shock and secondary collapses in myocardial infarct] Merkur'ev ND.
Voen Med Zh 1:70-2, Jan 71 (Rus)

IMMUNOLOGY

[Role and significance of autoimmune processes and disturbances in steroid hormone metabolism in the genesis of cardiogenic shock] Iurenev PN, et al.
Kardiologiia 10:16-24, Jul 70 (Rus)

METABOLISM

Production of a myocardial depressant factor in cardiogenic shock. Glenn TM, et al.
Am Heart J 82:78-85, Jul 71
Myocardial and body metabolism in fatal cardiogenic shock after valvular replacement. Moffitt EA, et al.
Circulation 44:237-44, Aug 71
[Role and significance of autoimmune processes and disturbances in steroid hormone metabolism in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

genesis of cardiogenic shock] Iurenev PN, et al. Kardiologiia 10:16-24, Jul 70 (Rus)
[Some aspects of catecholamine metabolism and its disorders in blood circulation disorders] Pocheptsov VG, et al. Ter Arkh 43:9-14, Jan 71 (40 ref.) (Rus)

MORTALITY

[Mortality from infarct during the acute phase. Prognostic trends] Moda S. Cardiol Prat 20:397-402, Oct 69 (Ita)

PATHOLOGY

Myocardial changes associated with cardiogenic shock. Page DL, et al. N Engl J Med 285:133-7, 15 Jul 71
Myocardial infarction and shock. Sasahara AA, et al. N Engl J Med 285:174-5, 15 Jul 71
[Study on the acute cardiac death, specifically the significance of histological changes of the liver and the adrenals] Nakanishi H. Jap J Leg Med 24:289-313, Jul 70 (Jap)

PHYSIOPATHOLOGY

Experimental cardiogenic shock: pulmonary performance after acute myocardial infarction. Edelman NH, et al. Am J Physiol 219:1723-30, Dec 70
Pathophysiology and therapy of the shock of myocardial infarction. Haddy FJ. Ann Intern Med 73:809-27, Nov 70 (175 ref.)
Pulmonary artery pressure monitoring in cardiogenic shock. Porter CM, et al. Arch Intern Med 127:304-6, Feb 71
Cardiovascular responses in pigs to body acceleration applied synchronously with the heartbeat. Arntzenius AC, et al. Bibl Cardiol Suppl 27:44-52, 1971
The influence of atrial pressure on cardiac performance following myocardial infarction complicated by shock. Bradley RD, et al. Circulation 42:827-37, Nov 70
Effects of corticosteroids on the circulation in shock: experimental and clinical results. Motsay GJ, et al. Fed Proc 29:1861-73, Nov-Dec 70
Influence of scar on left ventricular performance at the onset of myocardial ischemia: shock versus heart failure. Regan TJ, et al. J Clin Invest 50:534-42, Mar 71
Comparison of early hemodynamic phenomena in three forms of shock in dogs. Bynum TE, et al. Proc Soc Exp Biol Med 136:601-4, Feb 71
[Hemodynamic study of shock in myocardial infarct] Foucault JP, et al. Arch Mal Coeur 64:887-98, Jun 71 (Fre)
[Content of total 17-hydroxycorticosteroids in the urine and free 17-hydroxycorticosteroids in the blood in myocardial infarct complicated by shock] Kushakov VI. Klin Med (Mosk) 478:72-4, Jul 70 (Rus)

PREVENTION & CONTROL

Intra-aortic balloon pumping (IABP) at different levels of experimental acute left ventricular failure. Feola M, et al. Chest 59:68-76, Jan 71

SURGERY

Mechanical support of the circulation: a new approach. Trinkle JK, et al. Arch Surg 101:740-3, Dec 70
Myocardial revascularization for the treatment of cardiogenic shock complicating acute myocardial infarction. Mundth ED, et al. Surgery 70:78-87, Jul 71

THERAPY

Results of counterpulsation in patients with coronary artery disease. Jacobey JA. Am J Cardiol 27:137-45, Feb 71
Criteria for selection of patients for mechanical circulatory support. Kennedy JH, et al. Am J Cardiol 27:33-40, Jan 71
Clinical management ancillary to phase-shift balloon pumping in cardiogenic shock. Preliminary comments. Krakauer JS, et al. Am J Cardiol 27:123-8, Feb 71
Effect of venoarterial pulsatile partial bypass on the coronary, renal and mesenteric circulations in cardiogenic shock. Lang TW, et al. Am J Cardiol 27:41-5, Jan 71
Ascending aorta synchronized pulsation. A new form of circulatory assist for treatment of cardiogenic shock. Lang TW, et al. Arch Intern Med 128:259-64, Aug 71
Clinical experience with the unidirectional dual-chambered intra-aortic balloon assist. Bregman D, et al. Circulation 43:Suppl 1:82-9, May 71
Management of shock in acute myocardial infarction. Pema PJ. J Am Osteopath Assoc 70:692-702, Mar 71 (62 ref.)
Mechanical circulatory assistance in cardiogenic shock by pressure-synchronized intra-aortic volume displacement. An experimental evaluation of the "Egaton assist device". Schilt W, et al. J Cardiovasc Surg (Torino) 12:188-201, May-Jun 71
Evaluation of intra-aortic balloon counterpulsation. Chatterjee S, et al. J Thorac Cardiovasc Surg 61:405-10, Mar 71
A comparative study of arterio-arterial and intra-aortic balloon counterpulsation in the therapy of cardiogenic shock. Fleming WH, et al. J Thorac Cardiovasc Surg 60:818-28, Dec 70
Aortic root balloon pumping (A.R.B.P.). Experimental study and theoretical rationale. Chyong Y, et al. Jap Heart J 12:263-74, May 71
Circulatory assistance and emergency direct coronary-artery surgery for shock complicating acute myocardial infarction. Mundth ED, et al. N Engl J Med 283:1382-4, 17 Dec 70
[Problems posed by the clinical applications of circulatory assistance] Torresani J, et al. Arch Mal Coeur 63:1391-400, Oct 70 (Fre)
[Myocardial infarct during the initial period. Current aspects of circulatory assistance] Delbecque H. Lille Med 16:303-5, Feb 71 (Fre)
[Effect of intraaortic balloon pulsation on the hemodynamics and coronary blood flow in experimental cardiogenic shock] Bleifeld W, et al. Verh Dtsch Ges Kreislaufforsch 36:299-304, 1970 (Ger)
[Mechanical circulation support in myocardial infarct] Wolner E, et al. Verh Dtsch Ges Kreislaufforsch 36:295-9, 1970 (Ger)
[Experimental experiences and clinical aspects of mechanical blood circulation support] Navrátil J, et al. Wien Klin Wochenschr 82:731-6, 18 Oct 70 (Ger)
[Treatment of cardiovascular emergencies, excluding life threatening heart rhythm disorders, in the clinic and practice] Hausen WJ, et al. Z Allgemeinmed 46:1190-5, 31 Aug 70 (Ger)
[Clinics and therapy of schock in myocardial infarct] Camillo OS. Cardiol Prat 20:359-65, Oct 69 (Ita)
[A simple apparatus to help in cardiocirculation] Actis Dato A, et al. Minerva Cardioangiol 17:995-8, Nov 69 (Ita)
[The intensive care unit and cardiac insufficiency during myocardial infarct] Angelino PF, et al. Minerva Med 61:5506-13, 1 Dec 70 (Ita)
[Problem of cardiogenic shock therapy] Chazov EI. Kardiologiia 10:5-12, Jul 70 (Rus)
[Changes in hemodynamics during counterpulsation in experimental cardiogenic shock] Chazov EI, et al. Kardiologiia 10:13-8, Jun 70 (Rus)
[Study of the hemodynamic effect of contrapulsation with an intra-aortic balloon pump in cardiogenic shock] Shumakov VI, et al. Kardiologiia 10:22-6, 1970 (Rus)

SHOCK, ENDOTOXIC (C17)

Hemorrhagic and endotoxic shock: a pathophysiologic approach to diagnosis and management. Roberts JM, et al. Am J Obstet Gynecol 110:1041-9, 15 Aug 71 (24 ref.)
Septic shock: clinical, physiological, and pathological survey of 244 patients. Neely WA, et al. Ann Surg 173:857-66, May 71
Hepatic lysosomes and the inactivation of endotoxin. Filkins JP. J Reticuloendothel Soc 9:480-90, May 71
Structure and function of hepatic mitochondria in hemorrhage and endotoxemia. DePalma RG, et al. Surg Forum 21:3-6, 1970
Response of the subhuman primate in gram-negative septicemia induced by live Escherichia coli. Pool JL, et al. Surg Gynecol Obstet 132:469-77, Mar 71
[Shock. Physiopathologic, clinical and therapeutic study] Grivaux M, et al. Sem Hop Paris 47:2051-60, 10 Jul 71 (Fre)
[Experimental studies of the influence of endotoxin-shock on the internal ear] Schätzle W, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:172-7, 1970 (Ger)
[Various clinical considerations on shock] Cattaneo AD. Minerva Anestesiol 36:763-7, Dec 70 (Ita)

BLOOD

Vasoactive hormones in endotoxin shock: a comparative study in cats and dogs. Hall RC, et al. J Physiol (Lond) 213:69-84, Feb 71
The white cell count in gram-negative shock. Lessing AJ. S Afr Med J 44:1121-2, 3 Oct 70
Quantitative measurement of circulating endotoxin in shock. Reinhold RB, et al. Surg Forum 21:1-3, 1970
[Changes in the electric charge of blood platelets during various agressions. (Thrombosis. Endotoxin shock. Acute hemolysis)] Larcan A, et al. Presse Med 78:2379-80, 12 Dec 70 (Fre)
[Level of histamine in peripheral blood in patients with bacterial shock] Makatsariia AD, et al. Akush Ginekol (Mosk) 46:40-3, Oct 70 (Rus)

COMPLICATIONS

Cardiorespiratory patterns in complicated and uncomplicated septic shock: physiologic alterations and their therapeutic implications. Shoemaker WC. Ann Surg 174:119-25, Jul 71
Intestinal infarction. A complication of gastroenteritis and endotoxic shock in children. Shor-Pinsker E, et al. Arch Surg 102:187-9, Mar 71
[Bacterial abortion and shock] Franke H. Zentralbl Gynaekol 92:385-91, 28 Mar 70 (Ger)
[Pathological changes of the coagulation system in septic shock and their therapy] Goldenbogen P, et al. Zentralbl Gynaekol 92:1152-9, 29 Aug 70 (Ger)

DIAGNOSIS

Application of statistical techniques for assessment of prognosis in patients with acute circulatory failure (shock). Winkel P, et al. J Chronic Dis 24:61-9, Jun 71
[Shock caused by bacterial infections. Clinical picture, diagnosis, and prognosis] Halberstadt E. Med Welt 22:1191-2, 24 Jul 71 (Ger)

DRUG THERAPY

Lack of significant protection afforded by heparin during endotoxic shock. Priano LL, et al. Am J Physiol 220:901-5, Apr 71
Endotoxin shock in the subhuman primate. II. Some effects of methylprednisolone administration. Rao PS, et al. Arch Surg 102:486-92, May 71
Acute hemodynamic effects of dopamine in patients with shock. Loeb HS, et al. Circulation 44:163-73, Aug 71
Endotoxin shock. Sonnenschein H, et al. Clin Pediatr (Phila) 10:240, Apr 71
The management of bacteremic shock. Lambert HP. Int Anesthesiol Clin 7:933-48, Winter 69 (18 ref.)
Mechanism of action of dopamine in endotoxin shock. Shanbour LL. J Okla State Med Assoc 63:29-32, Jan 70
Decreased shock lethality in rats with surfactant-treated endotoxin. Filkins JP. Proc Soc Exp Biol Med 136:466-8, Feb 71
Endotoxic shock in the baboon: some effects of glucocorticoid therapy. Rao PS, et al. Surg Forum 21:416-9, 1970
Effects of methylprednisolone, phenoxybenzamine, and epinephrine tolerance in canine endotoxin shock: study of isogravimetric capillary pressures in forelimb and intestine. Motsay GJ, et al. Surgery 70:271-9, Aug 71
[The use of sympathomimetics and sympatholytics in shock] Torsti P. Duodecim 87:297-304, 1971 (Fin)
[Successful treatment with protease inhibitor of endotoxic shock caused by plasma transfusion] Dorobisz T, et al. Pol Tyg Lek 26:518-9, 5 Apr 71 (Pol)

ENZYMOLOGY

[Erythrocytic acetylcholinesterase changes in shock-collapse of an infectious nature in infants] Miu N, et al. Pediatria (Bucur) 19:343-8, Jul-Aug 70 (Rum)
[Significance of liver tryptophan oxygenase activity in mice for the outcome of endotoxin poisoning] Goncharova VI, et al. Biull Eksp Biol Med 70:34-6, Dec 70 (Rus)

ETIOLOGY

Septic abortion with endotoxic shock. Cavanagh D, et al. Aust NZ J Obstet Gynaecol 10:160-6, Aug 70
Experimental studies on transfusion of blood stored at low temperatures: transfusion of frozen blood contaminated with E. coli in healthy dogs. Rudowski W, et al. Bull Soc Int Chir 29:263-7, Sep-Oct 70
Endotoxic shock in Gram negative septisemia. Dietzman RH, et al. Cent Afr J Med 16:279, Dec 70
Septic abortion and septic shock. Santamarina BA, et al. Clin Obstet Gynecol 13:291-304, Jun 70 (24 ref.)
The influence of environmental and surgical stressors on susceptibility to bacterial endotoxin. Osborne JC, et al. Exp Med Surg 28:39-44, 1970
Demonstration of a lethal endotoxemia in experimental occlusion of the superior mesenteric artery. Cuevas P, et al. Surg Gynecol Obstet 133:81-3, Jul 71
[Post abortum bacteremic shock and coagulopathies of consumption] Dumont M, et al. Gynecol Obstet (Paris) 70:109-23, Jan-Feb 71 (Fre)
[Bacteremia shock syndrome in obstetrics] Szemesi I, et al. Acta Chir Acad Sci Hung 11:87-95, 1970 (Ger)
[The endotoxic shock. Pathogenesis and therapy] Cremer H. Arch Kinderheilkd 182:209-17, 1971 (26 ref.) (Ger)
[Fatal bacterial shock after urological operations] Simon V. Z Urol Nephrol 62:321-6, 1969 (Ger)
[Bacteremic shock caused by Escherichia coli during salmonellosis. Prior gastric resection] Maldacea F, et al. Policlinico [Prat] 78:555-8, 28 Apr 69 (Ita)
[Morphologic and pathogenetic findings in kidney disease caused by burns] Novello G, et al. Riv Patol Clin Sper 10:141-63, Jul-Dec 69 (Ita)
[Successful treatment with protease inhibitor of endotoxic shock caused by plasma transfusion] Dorobisz T, et al. Pol Tyg Lek 26:518-9, 5 Apr 71 (Pol)

METABOLISM

Defective oxidative metabolism of rat liver mitochondria in hemorrhagic and endotoxin shock. Meia L, et al. Am J Physiol 220:571-7, Feb 71
Acid-base balance in bacteremic shock. Blair E. Arch Intern Med 127:731-9, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Shock induced alterations of mitochondrial energy-linked functions. Meia L, et al. Surg Forum 21:6-8, 1970

Endotoxemic effect on cardiac and skeletal muscle mitochondria. Schumer W, et al. Surg Gynecol Obstet 133:433-6, Sep 71

Hydrogen permeability of canine gastric secretory epithelium during formation of acute superficial erosions. Moody FG, et al. Surgery 70:154-60, Jul 71

Bovine serum albumin effect on endotoxin-challenged mitochondria. Schumer W, et al. Surgery 69:699-701, May 71

[Activity of the renin-angiotensin system in entotoxin shock and during orthostatic loading of rabbits under corticosteroid therapy] Seyberth HW, et al. Naunyn Schmiedebergs Arch Pharmakol 266:453-4, 1970 (Ger)

MORTALITY

Influence of reticuloendothelial functional alterations on mortality patterns in endotoxin and tourniquet shock. Trejo RA, et al. J Reticuloendothel Soc 9:299-306, Apr 71

Endotoxin fever and tolerance in totally adrenalectomized rabbits. Haider R. Proc Soc Exp Biol Med 136:514-7, Feb 71

Early histamine release and death due to endotoxin. Vick JA, et al. Proc Soc Exp Biol Med 137:902-6, Jul 71

[Share of septic shock in peripartal mortality in the GDR] Rothe J, et al. Zentralbl Gynaekol 92:333-9, 14 Mar 70 (Ger)

PATHOLOGY

Endotoxemic effect on cardiac and skeletal muscle mitochondria. Schumer W, et al. Surg Gynecol Obstet 133:433-6, Sep 71

PHYSIOPATHOLOGY

Pathophysiology of gram-negative shock. Christy JH. Am Heart J 81:694-701, May 71 (60 ref.)

Pathophysiology of endotoxin shock in the primate. Cavanagh D, et al. Am J Obstet Gynecol 106:705-22, 1 Nov 70

Sites of extrahepatic pooling in early response to endotoxin. Blattberg B, et al. Am J Physiol 220:1267-70, May 71

Effects of endotoxin on myocardial hemodynamics, performance, and metabolism. Hinshaw LB, et al. Am J Physiol 221:504-10, Aug 71

Cardiorespiratory alterations in unanesthetized dogs due to gram-negative bacterial endotoxin. Priano LL, et al. Am J Physiol 220:705-11, Mar 71

Separation of shock types. Experimental and clinical separation of hypovolemic and septic shock. Knisely MH, et al. Angiology 21:728-44, Dec 70

Escherichia coli bacteremic shock in conscious baboons. Buckberg G, et al. Ann Surg 173:122-30, Jan 71

Cardiorespiratory patterns in complicated and uncomplicated septic shock: physiologic alterations and their therapeutic implications. Shoemaker WC. Ann Surg 174:119-25, Jul 71

Xylose and inulin absorption. From the small intestine of dogs following endotoxin shock. Ambromovage AM, et al. Arch Surg 102:496-500, May 71

Noradrenaline and tyramine action on isolated atrial muscle of endotoxin-treated guinea-pigs. Bhagat B, et al. Br J Pharmacol 39:688-95, Aug 70

Autoregulation in normal and pathological states including shock and ischemia. Hinshaw LB. Circ Res 28:Suppl 1:46-50, Jan 71

Effects of corticosteroids on the circulation in shock: experimental and clinical results. Motsay GJ, et al. Fed Proc 29:1861-73, Nov-Dec 70

Splenic constriction with endotoxin shock in the dog. Guntheroth WG, et al. J Appl Physiol 30:517-20, Apr 71

Correlation of pooling and resistance changes in the canine forelimb in septic shock. Hinshaw LB, et al. J Appl Physiol 30:331-7, Mar 71

Improvement of renal hemodynamics in endotoxin shock with dopamine, phenoxybenzamine and dextran. Shanbour LL, et al. J Pharmacol Exp Ther 176:383-8, Feb 71

Changes of splanchnic hemodynamics in hemorrhagic hypotension and endotoxemia. Fronek K, et al. J Surg Res 11:232-7, May 71

Effects of E. coli septic shock on pulmonary hemodynamics and capillary permeability. Harrison LH Jr, et al. J Thorac Cardiovasc Surg 61:795-803, May 71

Parasympathomimetic modification of renal hemodynamics and function in endotoxin shock. Lewis JD, et al. J Trauma 11:255-9, Mar 71

Serratia marcescens endotoxin shock in the dog. Ciuchta HP. Milit Med 135:479-82, Jun 70

Comparison of early hemodynamic phenomena in three forms of shock in dogs. Bynum TE, et al. Proc Soc Exp Biol Med 136:601-4, Feb 71

Regional capillary blood flow and oxygen uptake in severe sepsis. Wright CJ, et al. Surg Gynecol Obstet 132:637-44, Apr 71

Relationship between splanchnic blood flow and a myocardial depressant factor in endotoxin shock. Wangensteen SL, et al. Surgery 69:410-8, Mar 71

[Comparative studies on the effect of endotoxin on the mesenteric blood flow in dogs and monkeys. Contribution to the physiopathology of the endotoxic shock] Brobmann GF, et al. Bruns Beitr Klin Chir 218:368-75, Nov 70 (Ger)

[Microscopic changes of mesenteric capillaries in the Schwartzmann-Sanarelli-phenomenon and in endotoxic shock] Schönbach G, et al. Langenbecks Arch Chir 322:1198-203, 1968 (Ger)

PREVENTION & CONTROL

Protection against burn, tourniquet and endotoxin shock by histamine, 5-hydroxytryptamine and 5-hydroxytryptamine derivatives. Markley K, et al. Br J Pharmacol 42:13-24, May 71

Therapeutic effects of hypothermia upon intestinal obstruction with special reference to the cause of death. Matsukura S, et al. Bull Soc Int Chir 29:112-20, Mar-Apr 70

Heparin for septic abortion and the prevention of endotoxic shock. Margulis RR, et al. Obstet Gynecol 37:474-83, Mar 71

The pretreatment of E. coli endotoxin shock with WR 2823: a new alpha-adrenergic blocking agent. Phillips SJ, et al. Surgery 69:510-4, Apr 71

[Effect of corticosteroids on the Jarisch-Herxheimer reaction] Luger A, et al. Wien Klin Wochenschr 83:208-12, 26 Mar 71 (Ger)

THERAPY

Treatment of gram-negative shock. Christy JH. Am J Med 50:77-88, Jan 71 (72 ref.)

Experimental endotoxin shock. The effect of hypothermia on outcome. Williams TB, et al. Am J Obstet Gynecol 106:1171-4, 15 Dec 70

[Experiences in the treatment of septic shock in childbirth] Schwarz R, et al. Anaesthesist 20:127-35, Apr 71 (Ger)

[Hyperbaric oxygenation for infectious diseases] Robert L, et al. Clin Ter 55:257-69, 15 Nov 70 (71 ref.) (Ita)

[A device used in the rehydration of a subject in a severe state of shock] Bezante T, et al. Minerva Nipiol 19:281-3, Jul-Aug 69 (Ita)

[Therapy of bacterial shock based on the physiopathology] Sumida Y. Sanfujinka Jissai 19:1203-20, Dec 70 (Jap)

[Treatment of endotoxic shock. Preliminary report] Espinosa Flores C, et al. Ginecol Obstet Mex 27:551-8, May 70 (Spa)

[Treatment of bacteremic shock. 100 cases] Ramfrez Soto E, et al. Ginecol Obstet Mex 28:479-98, Nov 70 (Spa)

VETERINARY

Escherichia coli endotoxemia in the conscious pony. Burrows GE. Am J Vet Res 32:243-8, Feb 71

Hemodynamic alterations in the anesthetized pony produced by slow intravenous administration of Escherichia coli endotoxin. Burrows GE. Am J Vet Res 31:1975-82, Nov 70

Endotoxemia induced by rapid intravenous injection of Escherichia coli in anesthetized ponies. Burrows GE, et al. Am J Vet Res 31:1967-73, Nov 70

Age and resistance to an Escherichia coli endotoxin stressing agent in weanling pigs. Davis JW, et al. Am J Vet Res 32:173-6, Jan 71

Lymph production during staphylococcic B enterotoxemia-induced shock in monkeys. Rhoda DA, et al. Am J Vet Res 31:1845-51, Oct 70

Cardiac output in weanling piglets with bacterial endotoxin shock superimposed on surgical shock. Osborne JC, et al. Cornell Vet 61:470-6, Jul 71

Endotoxin shock and colibacillosis. Larson KA, et al. J Am Vet Med Assoc 157:1568-70, 1 Dec 70

SHOCK, HEMORRHAGIC (C17)

Hemorrhagic and endotoxic shock: a pathophysiologic approach to diagnosis and management. Roberts JM, et al. Am J Obstet Gynecol 110:1041-9, 15 Aug 71 (24 ref.)

Donor shock and its influence on canine cadaver heart transplants. Rikkers LF, et al. Chest 59:428-32, Apr 71

Hypovolaemic shock. Med J Aust 1:992-4, 8 May 71

Structure and function of hepatic mitochondria in hemorrhage and endotoxemia. DePalma RG, et al. Surg Forum 21:3-6, 1970

Hemorrhagic shock in cecoctomized germfree rats. Heneghan JB, et al. Surg Forum 21:232-3, 1970

Effect of hemorrhagic shock on the lung of the pig. Lowery BD, et al. Surg Forum 21:21-2, 1970

Comparison of hemodynamic responses of two experimental shock models with clinical hemorrhage. Bassin R, et al. Surgery 69:722-9, May 71

Effect of hemorrhagic shock on transmembrane potential. Campion DS, et al. Surgery 66:1051-9, Dec 69

[Effects of monosemicarbazone of beta naphthoquinone in experimental hemorrhagic shock] Laborit H, et al. Agressologie 12:25-30, 1971 (Fre)

[Emergencies in internal medicine. 1. Acute hemorrhages. 42. Shock] Werle E. Z Gesamte Inn Med 26:Suppl:134-40, 1 Jun 71 (Ger)

[The effect of intestinal resection and exclusion on survival after experimental hemorrhagic shock] Gergely M. Orv Hetil 112:855-7, 11 Apr 71 (Hun)

[The use of beta-adrenergic blocking in experimental hemorrhagic shock] Novelli GP, et al. Acta Anaesthesiol (Padova) 22:31-58, Jan-Feb 71 (Ita)

[Various clinical considerations on shock] Cattaneo AD. Minerva Anestesiol 36:762-7, Dec 70 (Ita)

[Clinical and therapeutic considerations on utero-placental apoplexy] Colizzi E, et al. Quad Clin Ostet Ginecol 24:131-43, Feb 69 (Ita)

[Metabolic and physiological effects of dihydroxyacetone (DHA) in hemorrhagic shock in the dog] Oguri K, et al. Jap J Anesthesiol 20:395-402, May 71 (Jap)

[Oligovolemic shock following gynecological surgery] Miecznikowski A. Ginekol Pol 42:545-50, Apr 71 (10 ref.) (Pol)

BLOOD

Plasma calcium concentration changes in hemorrhagic shock. Barry GD. Am J Physiol 220:874-9, Apr 71

Effects of a myocardial depressant factor on isolated vascular smooth muscle. Gluckman EE, et al. Am J Physiol 220:1581-5, Jun 71

Leukocyte changes in the pulmonary circulation. A mechanism of acute pulmonary injury by various stimuli. Wilson JW, et al. Chest 59:Suppl:36S+, May 71

Experimental and clinical studies on lactate and pyruvate as indicators of the severity of acute circulatory failure (shock). Weil MH, et al. Circulation 41:989-1001, Jun 70

Serum insulin and growth hormone response to hemorrhagic shock. Cerchio GM, et al. Endocrinology 88:138-43, Jan 71

"Multitubular bodies" in the blood stream. Langer KH. Klin Wochenschr 48:1195-7, 1 Oct 70

Predictive value of serum osmolality in shock following major trauma. Boyd DR, et al. Surg Forum 21:32-3, 1970

Blood sugar response to graded hemorrhage in the pig. Carey LC, et al. Surg Forum 21:88-90, 1970

Changes in intracellular sodium content of red blood cells in hemorrhagic shock. Cunningham JN Jr, et al. Surg Forum 21:38-40, 1970

[Diagnosis of hypovolemias] Montoli E, et al. Acta Anaesthesiol (Padova) 21:493-509, Jul-Aug 70 (Ita)

CEREBROSPINAL FLUID

Changes in composition of cerebrospinal fluid in hemorrhagic shock. Simeone FA, et al. Surg Forum 21:53-5, 1970

COMPLICATIONS

Nature of cardiovascular decompensation during hemorrhagic hypotension. Hollenberg NK, et al. Am J Physiol 219:1476-82, Nov 70

Effect of shock upon the initial blood gas data in experimental fat embolism. Robinson EF, et al. Arch Surg 102:501-2, May 71

Pathogenesis of redistribution of intrarenal blood flow in haemorrhagic hypotension. Grandchamp A, et al. Eur J Clin Invest 1:271-6, Jan 71

Heart failure and fluid loss in hemorrhagic shock. Rothe CF. Fed Proc 29:1854-60, Nov-Dec 70

Shock lung: a distinct entity. Geriatrics 26:84-5, May 71

Increased atelectatic pulmonary shunt during hemorrhagic shock in dogs. Wahrenbrock EA, et al. J Appl Physiol 29:615-21, Nov 70

Fat embolism in Vietnam battle casualties in hemorrhagic shock. Cloutier CT, et al. Milit Med 135:369-73, May 70

[Experimental, hemodynamic, biochemical, histologic and electromicroscopic study of the liver in shock] Guillet R, et al. Mem Acad Chir (Paris) 95:197-204, 1969 (Fre)

[Heart insufficiency in hemorrhagic hypotension] Klitsch K, et al. Z Kreislaufforsch 59:450-60, May 70 (Ger)

[Pulmonary circulatory disturbances in hemorrhagic shock] Rikukawa Y. Jap J Thorac Surg 23:627-35, Sep 70 (Jap)

DIAGNOSIS

Application of statistical techniques for assessment of prognosis in patients with acute circulatory failure (shock). Winkel P, et al. J Chronic Dis 24:61-9, Jun 71

[Comparison of arterial and capillary blood gas analysis in subjects with clinical evidence of shock] Keller R, et al. Klin Wochenschr 49:54-5, Jan 71 (Ger)

[Differential diagnosis and therapy of hemorrhagic shock and collapse] Perlick E. Z Gesamte Inn Med 26:145-7 concl, 15 Jun 71 (Ger)

[Differential diagnosis and therapy of hemorrhages in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

shock and collapse] Perlick E.
Z Gesamte Inn Med 26:Suppl:141-4 c, 1 Jun 71 (Ger)

DRUG THERAPY

Treatment of experimental haemorrhagic shock in dogs. Hollmén A, et al.
Ann Chir Gynaecol Fenn 59:119-26, 1970
Hemodynamic effects of dexamethasone in experimental hemorrhagic shock--negative results. Replogle RL, et al. Ann Surg 174:126-30, Jul 71
Mechanism of the lack of a beneficial response to inotropic drugs in hemorrhagic shock. Lefer AM, et al.
Clin Pharmacol Ther 12:506-16, May-Jun 71
Anti-toxic action of methylprednisolone in hemorrhagic shock. Glenn TM, et al.
Eur J Pharmacol 13:230-8, Jan 71
Experimental haemorrhagic hypotension: a study of the influence of dexamethasone in monkeys. Rao BN, et al. Indian J Med Res 58:239-45, Feb 70
Effect of low molecular weight dextran on the survival rate of dogs subjected to acute haemorrhagic shock. Sharma PL. Indian J Med Res 58:1613-20, Nov 70
Experimental evaluation of low molecular weight dextran therapy in irreversible haemorrhagic shock. Upadhyaya P, et al.
Indian J Med Res 58:1703-11, Dec 70
Response to dextran in posthemorrhagic shock after combined adrenergic receptor blockade. Halmagyi DF, et al. J Appl Physiol 30:186-9, Feb 71
Cardiodynamic and renal circulatory effects of P-286 in dogs. Evers JL, et al. J Med (Basel) 2:25-34, 1971
Hemodynamic effects of an isoquinoline derivative in the treatment of hemorrhagic shock. Kim SI, et al.
J Surg Res 11:390-5, Aug 71
Doxapram hydrochloride in hemorrhagic hypotension. Franko BV, et al.
Proc Soc Exp Biol Med 137:105-7, May 71
The protective effect of insulin in hemorrhagic shock. Spigelman A, et al. Surg Forum 21:90-2, 1970
[The use of sympathomimetics and sympatholytics in shock] Torsti P. Duodecim 87:297-304, 1971 (Fin)
[Hemorrhagic shock and proteinase inhibitor. Experimental, biochemical and histological analysis of the effects of this therapeutic agent on shock liver syndrome] Botev S, et al.
Biol Med (Paris) 60:1-13, Jan-Feb 71 (Fre)
[Dextran and gelatin in the treatment of hemorrhagic shock] Van Aken J. Brux Med 50:513-20, Aug 70 (Fre)
[Hemorrhagic shock and proteinase inhibitor. Experimental analysis of the effects of this therapy on the ultrastructural lesions of the shock liver] Mallet-Guy Y, et al.
J Chir (Paris) 101:361-76, Apr 71 (Fre)
[Experimental studies in animals on the effectiveness of Dextran 75 (Longasteril) in hemorrhagic shock] Peter K, et al. Anaesthesist 20:189-92, May 71 (Ger)
[Pharmacological central sympathicus block before and during experimental hemorrhagic shock] Allenberg JR, et al.
Arzneim Forsch 20:Suppl 11a:1675+, Nov 70 (Ger)
[Reproducible, irreversible hemorrhagic shock in rabbits with determination of survival rate. Initial therapeutic experiments with adenosine triphosphate, potassium-magnesium aspartate and the proteinase inhibitor trasylol] Hess A, et al.
Chirurg 42:317-20, Jul 71 (Ger)
[Effect of several dextran 40 and mannitol combination preparations on circulation, renal cortical bloodflow and renal function in hemorrhagic shock] Schindler E, et al. Urologe 10:80-3, Mar 71 (Ger)
[Prolonged treatment with plasma substitutes] Lutz H, et al. Z Gesamte Exp Med 154:224-34, 1971 (Ger)
[Differential diagnosis and therapy of hemorrhagic shock and collapse] Perlick E.
Z Gesamte Inn Med 26:145-7 concl, 15 Jun 71 (Ger)
[Differential diagnosis and therapy of hemorrhages in shock and collapse] Perlick E.
Z Gesamte Inn Med 26:Suppl:141-4 c, 1 Jun 71 (Ger)
[Recent advances concerning hemorrhagic shock. Clinical results with the use of high dosage of hydrocortisone] Cattaneo AD, et al.
Minerva Anestesiol 35:1050-78, Oct 69 (203 ref.) (Ita)
[Treatment of hemorrhagic shock with massive doses of betamethasone] Cattaneo AD, et al.
Minerva Anestesiol 37:134-9, Mar 71 (Ita)
[Our experience in resuscitation from shock using the plasma substitute Hemöce] Soria Ramírez A.
Rev Esp Anestesiol Reanim 18:115-25, Jan 71 (Spa)

ENZYMOLOGY

Alterations in activated magnesium and sodium plus potassium adenosine triphosphatase and the krebs cycle in hemorrhagic shock. Baue AE, et al.
Surg Forum 21:8-10, 1970
Role of lysosomal disruption in the development of refractory shock. Bell ML, et al.
Surg Forum 21:10-2, 1970
Role of lysosomal instability in the development of refractory shock. Bell ML, et al.
Surgery 70:341-7, Sep 71
Serum levels of intestinal alkaline phosphatase in relation to shock. Bounous G, et al.
Surgery 69:238-45, Feb 71
Hepatocellular response to hypovolemic shock and vasoexcitor drugs. O'Connell T, et al.
Surgery 69:373-9, Mar 71
[Inhibitory capacity of the serum toward proteolytic enzymes during massive hemorrhage and in the pathogenesis of shock] Duck HJ, et al.
Z Gesamte Inn Med 26:Suppl:147-51, 15 Jun 71 (Ger)

ETIOLOGY

Hepatic cryosurgery. Acute and long-term effects. Healey WV, et al. Arch Surg 103:384-92, Sep 71
Haemorrhagic shock in early acute pancreatitis. A rare but significant event. Karmody AM, et al.
Br J Surg 58:519-20, Jul 71
Role of a myocardial depressant factor in the pathogenesis of circulatory shock. Lefer AM.
Fed Proc 29:1836-47, Nov-Dec 70
Ruptured vasa praevia resulting in foetal haemorragic shock. O'Donnell JF, et al.
J Ir Med Assoc 64:247-8, 13 May 71
[Defibrination syndromes observed in a ressuscitation center. The importance of intravascular coagulation in the development of shock states] Bogé JC, et al.
Bord Med 3:2593 passim, Nov 70 (Fre)
[107 cases of ruptured extrauterine pregnancies in African women] Bourrel P, et al.
Med Trop (Mars) 29:184-9, Mar-Apr 69 (Fre)
[Anemia and shock in the newborn caused by fetal blood loss] Schellong G.
Monatsschr Kinderheilkd 117:578-9, Sep 69 (Ger)
[Shock in newborn infants] Véghelyi P.
Orv Hetil 111:2233-5, 20 Sep 70 (Hun)
[The adrenergic system in pathogenesis of 2 types of experimental shock] Novelli GP, et al.
Acta Anaesthesiol (Padova) 22:1-29, Jan-Feb 71 (Ita)
[Influence of the spleen and of the reticulo-histiocyte system on the experimental hemorrhagic shock evolution] Novelli GP, et al.
Acta Anaesthesiol (Padova) 20:221-41, Mar-Apr 69 (Ita)
[Massive hemoperitoneum caused by rupture of uterine varices at the early stage of labor in normal pregnancy, followed by shock and heart arrest] Micheletti G. Minerva Ginecol 21:655-8, 31 May 69 (Ita)

IMMUNOLOGY

Experimental data on the efficiency of antitetanus active immunization under the conditions of a haemorrhagic shock. Bittner J, et al.
Arch Roum Pathol Exp Microbiol 28:429-36, Jun-Sep 69

METABOLISM

Effects of small intestinal resection or exclusion in haemorrhagic shock. Gergely M, et al.
Acta Physiol Acad Sci Hung 37:301-11, 1970
Defective oxidative metabolism of rat liver mitochondria in hemorrhagic and endotoxin shock. Mela L, et al. Am J Physiol 220:571-7, Feb 71
Mitochondrial metabolism of succinate, beta-hydroxybutyrate, and alpha-ketoglutarate in hemorrhagic shock. Sayeed MM, et al.
Am J Physiol 220:1275-81, May 71
Hidden hypercapnia in hemorrhagic hypotension. Halmagyi DF, et al. Anesthesiology 33:594-601, Dec 70
Tissue perfusion and lactic acidosis in haemorrhagic shock: an experimental study. Makin GS.
Ann R Coll Surg Engl 48:114-21, Feb 71
Physiologic effects of acute sodium depletion. Fulton RL, et al. Ann Surg 173:344-56, Mar 71
Cerebral tissue lactate in experimental oligemic shock. Feldman RA, et al. J Neurosurg 34:774-8, Jun 71
The secretion and clearance of vasopressin during the development of irreversible haemorrhagic shock. Errington ML, et al.
J Physiol (Lond) 217:43P-45P, Aug 71
Glucose metabolism in posthemorrhagic shock in the dog. Vigas M, et al. J Trauma 11:615-8, Jul 71
"Hidden" cellular electrolyte responses to hemorrhagic shock and their significance. Haljamäe H. Rev Surg 27:315-24, Sep-Oct 70 (87 ref.)
Changes produced by hemorrhagic shock in the transport characteristics of interstitial fluid. Koven IH, et al. Surg Forum 21:36-7, 1970
Hepatic nuclear ribonucleic acid synthesis in hemorrhagic shock. Lazarus HM, et al.
Surg Forum 21:14-5, 1970
Shock induced alterations of mitochondrial energy-linked functions. Mela L, et al.
Surg Forum 21:6-8, 1970
Electrolyte and enzyme gradients in plasma, lymph and interstitial fluid during shock. Sacks EI, et al.
Surg Forum 21:44-56, 1970
Shock and metabolism. Drucker WR.
Surg Gynecol Obstet 132:234-9, Feb 71
Hydrogen permeability of canine gastric secretory epithelium during formation of acute superficial erosions. Moody FG, et al. Surgery 70:154-60, Jul 71
[Effects of glucose, xylitol and dihydroxyacetone infusions on the metabolism and the fluctuation of plasma insulin levels in non-diabetic and diabetic patients and in dogs subjected to hemorrhagic shock] Yoshimura N, et al.
Jap J Anesthesiol 20:42-50, Jan 71 (Jap)
[Dynamics of the change in rate constants of oxygen consumption by rabbit bone marrow during acute posthemorrhagic anemia] Mikhailov VI, et al.
Fiziol Zh SSSR 57:591-5, Apr 71 (Rus)

MORTALITY

Case report XIV of maternal mortality study. Nassar GJ. J Miss State Med Assoc 11:541-2, Oct 70
Blood coagulation and fibrinolytic therapy in normotensive hemorrhagic shock of the dog. Encke A, et al. Z Kreislaufforsch 58:1296-307, Dec 69
[Effect of diazepam (Valium) on the course of hemorrhagic shock in rabbits] Knorpp K.
Naunyn Schmiedebergs Arch Pharmakol 267:457-67, 1970 (Ger)

PATHOLOGY

Cellular stability in experimental hemorrhagic shock. Lazarus HM, et al.
Proc Soc Exp Biol Med 137:977-80, Jul 71
[Experimental histologic and ultrastructural study of the liver in shock] Feroldi J, et al.
Lyon Chir 65:720-34, Sep-Oct 69 (Fre)
[Experimental hemodynamic and biochemical study of the liver in shock] Guillet R, et al.
Lyon Chir 65:182-94, Mar-Apr 69 (Fre)
[Ultrastructural changes of the pancreas of rats in hemorrhagic shock] Donath K, et al.
Beitr Pathol 141:33-51, 1970 (Ger)
[Intravital microscopy and post mortem histology of hemorrhagic shock in rabbits] Mittermayer C, et al.
Beitr Pathol 141:155-73, 1970 (Ger)
[Animal experiments in the pathogenesis of lesions of the gastric mucosa due to shock] Kolig G, et al.
Bull Soc Int Chir 29:169-74, May-Jun 70 (Ger)

PHYSIOPATHOLOGY

Inotropic response to norepinephrine during hemorrhagic shock. Pinardi G, et al.
Acta Physiol Lat Am 20:147-53, 1970
Redistribution of body carbon monoxide after hemorrhage. Coburn RF, et al.
Am J Physiol 220:868-73, Apr 71
Protective effect of thoracic lymph diversion in hemorrhagic shock. Glenn TM, et al.
Am J Physiol 219:1305-10, Nov 70
Changes in pre- and postcapillary resistance in pathogenesis of hemorrhagic shock. Hollenberg NK, et al. Am J Physiol 219:1483-9, Nov 70
Gastric secretory and splanchnic blood flow studies in man after severe trauma and hemorrhagic shock. McClelland RN, et al. Am J Surg 121:134-42, Feb 71
Influence of common bile duct ligation on hepatic blood flow. Sakoda K. Am Surg 36:731-6, Dec 70
Separation of shock types. Experimental and clinical separation of hypovolemic and septic shock. Knisely MH, et al. Angiology 21:728-44, Dec 70
Rapid and slow hemorrhage in man. I. Sequential hemodynamic responses. Bassin R, et al.
Ann Surg 173:325-30, Mar 71
Adsorption of sodium and water by collagen during hemorrhagic shock. Fulton RL.
Ann Surg 172:861-9, Nov 70
Splanchnic contribution to transcapillary refill after hemorrhagic shock. Marty AT, et al.
Ann Surg 174:131-6, Jul 71
Changes in red cell mass after trauma measured by double red cell label technic. Taube RR, et al.
Ann Surg 174:61-7, Jul 71
Lung function, pulmonary extravascular water volume and hemodynamics in early hemorrhagic shock in anesthetized dogs. Wyche MQ Jr, et al.
Ann Surg 174:296-303, Aug 71
Cardiac output in hypovolemia. An evaluation of the dye dilution method using the electromagnetic flowmeter as a standard. Jacobs RR, et al.
Arch Surg 102:199-202, Mar 71
Regional blood flow and oxygenation in haemorrhagic shock. Clark RG, et al. Br J Surg 57:851-2, Nov 70
Contributions of coronary perfusion pressure, metabolic acidosis and adrenergic factors to the reduction of myocardial contractility during hemorrhagic shock in the cat. Siegel HW, et al.
Circ Res 27:875-89, Dec 70
Redistribution of renal blood flow in haemorrhagic hypotension. Role of renal nerves and circulating catecholamines. Truniger B, et al.
Eur J Clin Invest 1:277-80, Jan 71
Status of investigative aspects of hemorrhagic shock. Selkurt EE. Fed Proc 29:1832-5, Nov-Dec 70
Changes of splanchnic hemodynamics in hemorrhagic hypotension and endotoxemia. Fronek K, et al.
J Surg Res 11:232-7, May 71
Effects of pulmonary denervation on canine lung structure and surfactant after hemorrhagic shock. Barkett VM, et al. J Trauma 11:248-54, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Release of pressor substances from infarcted kidneys in rats. II. No protective action of infarcted kidneys against hemorrhagic shock. Tanaka K, et al. Jap Heart J 12:84-9, Jan 71

Blood flow in adipose tissue and skeletal muscle during hemorrhagic shock in heparinized dogs. Nielsen PA, et al. Life Sci [I] 9:75-82, 15 Jan 70

Influence of adrenergic beta-receptor activity on blood flow and free fatty acid release in canine subcutaneous adipose tissue during hemorrhagic shock. Kovách AG, et al. Naunyn Schmiedebergs Arch Pharmakol 268:140-7, 1971

Hemorrhagic shock: the role of the central nervous system in fatality or survival. Fink RA, et al. Neurology (Minneap) 20:408, Apr 70

Comparison of early hemodynamic phenomena in three forms of shock in dogs. Bynum TE, et al. Proc Soc Exp Biol Med 136:601-4, Feb 71

Gastric microcirculatory changes in hemorrhagic shock. Bulkley G, et al. Surg Forum 21:27-30, 1970

Importance of splanchnic bed in transcapillary refill after hemorrhagic shock. Cotton R, et al. Surg Forum 21:42-3, 1970

In vitro common carotid and basilar artery reactivity in hemorrhagic shock. Dunker RO Jr, et al. Surg Forum 21:432-3, 1970

Beneficial effect of pluronic F-68 on the microcirculation in experimental hemorrhagic shock. Grover FL, et al. Surg Forum 21:30-2, 1970

Importance of splanchnic bed in transcapillary refill after hemorrhagic shock. Marty AT, et al. Surg Forum 21:40-2, 1970

Pulmonary microcirculation in hemorrhagic shock. Murakami T, et al. Surg Forum 21:25-7, 1970

The role of buffering, osmolality and sodium in neonatal hemorrhagic shock. Rowe MI, et al. Surg Forum 21:34-5, 1970

The effects of hemorrhagic shock and pulmonary ischemia on lung compliance and structure in baboons. Buckberg GD, et al. Surg Gynecol Obstet 131:1065-72, Dec 70

Effects of nephrectomy and ureteral occlusion on extracellular fluid measurements during shock. Crystal RG, et al. Surg Gynecol Obstet 131:1109-14, Dec 70

The relationship of adrenal perfusion to corticosteroid secretion in prolonged hemorrhagic shock. Herman AH, et al. Surg Gynecol Obstet 132:795-802, May 71

Effects of saline and colloid solutions on pulmonary function in hemorrhagic shock. Moss GS, et al. Surg Gynecol Obstet 133:53-8, Jul 71

Sequential hemodynamic events after trauma to the unanesthetized patient. Shoemaker WC, et al. Surg Gynecol Obstet 132:651-6, Apr 71

Cellular transport defects in hemorrhagic shock. Cunningham JN Jr, et al. Surgery 70:215-22, Aug 71

Hemorrhagic shock and central nervous functions: spinal and spino-bulbo-spinal reflexes. Mori S, et al. Surgery 68:870-7, Nov 70

Mesenteric blood flow after hemorrhage in anesthetized and unanesthetized dogs. Roding B, et al. Surgery 68:857-61, Nov 70

Neonatal shock. Véghelyi PV. Z Kinderheilkd 109:64-9, 1970

[Evaluation of blood volume and circulation in shock] Katila M. Duodecim 87:262-8, 1971 (Fin)

[Pathophysiology of the shock] Sarajas HS. Duodecim 87:228-43, 1971 (Fin)

[Hemodynamic study of hepatic circulation following occlusion of the superior mesenteric artery and the hepatic artery] Andreadis P, et al. Angiology 22:37-45, Jan 71 (Fre)

[Experimental studies in animals on the cerebral blood flow in prolonged hemorrhagic shock and under subsequent hypervolaemic normotension] Drost R, et al. Anaesthesist 20:146-8, Apr 71 (Ger)

[Shock behavior in the terminal vascular supply of the retina] Lemmingson W. Ber Dtsch Ophthalmol Ges 70:236-42, 1970 (Ger)

[Intravascular volumes and hydrogen-ion balance in standardized hemorrhagic shock in puppies] Hollmann G, et al. Langenbecks Arch Chir 322:1267-77, 1968 (Ger)

[Physiopathological principles of shock] Kilian J. Munch Med Wochenschr 113:Suppl 3:39-45, 5 Mar 71 (Ger)

[Determination of tissue-O 2 pressures and pH-values in experimental hemorrhagic shock using the abdominal cavity as a visceral tonometer] Knorpp K. Pfluegers Arch 327:349-63, 1971 (Ger)

[Recent developments in the physiopathology of hemorrhagic shock and current possibilities of its treatment] Butti A. Chir Patol Sper 17:373-404, Oct 69 (149 ref.) (Ita)

[Effect of hyperbaric oxygenation on the bioelectrical activity of the cerebral cortex in acute hemorrhagic collapse] Leonov AN, et al. Patol Fiziol Eksp Ter 15:40-2, May-Jun 71 (Rus)

PREVENTION & CONTROL

Aortic declamping shock. Thomas TV. Am Heart J 81:845-7, Jun 71

[Transfusion therapy in severe mechanical injuries] Alagova ZS, et al. Vestn Khir 104:128-30, Jun 70 (Rus)

RADIOGRAPHY

Angiographic appearance of the canine kidney in acute hemorrhagic shock--modification by saline infusion, THAM infusion, and reinfusion of blood. Meng CH, et al. Am J Roentgenol Radium Ther Nucl Med 111:716-28, Apr 71

[The mesentericogram in experimental hemorrhagic shock] Czembirek H, et al. Fortschr Geb Roentgenstr Nuklearmed 114:43-9, Jan 71 (Ger)

SURGERY

[Nil nocere Pulmonary damage due to oxygen administered during shock] Schwiete W, et al. Munch Med Wochenschr 112:582-5, 27 Mar 70 (Ger)

THERAPY

Shock reactions in skeletal muscle. IV. The effect of hypothermic treatment on cellular electrolyte responses to haemorrhagic shock. Hagberg S, et al. Acta Chir Scand 136:23-8, 1970

Trendelenburg position in hypovolemic shock. Sun RL. Am J Nurs 71:1758-9, Sep 71

Metabolic vs. cardiovascular dynamic support in therapy of posthemorrhagic shock. Brand ED, et al. Am J Physiol 220:1437-43, May 71

Intermittent positive pressure and extrathoracic assisted breathing in hypovolemia. Comparative hemodynamic effects. Cook TI, et al. Arch Surg 102:586-8, Jun 71

The effect of retransfusion and beta-adrenergic blockade on muscle blood-flow and lactic acidosis in haemorrhagic shock in dogs. Makin GS, et al. Br J Surg 57:851, Nov 70

The effect of intravenous fluids on renal medullary blood flow after hemorrhage. Dragan P, et al. Invest Urol 8:695-7, May 71

The influence of an industrial surfactant Pluronic F-68, in the treatment of hemorrhagic shock. Hymes AC, et al. J Surg Res 11:191-7, Apr 71

Changes in lung and body weight in rats treated for hemorrhage with various fluids. Collins JA, et al. Surg Forum 21:19-21, 1970

Pulmonary changes following treatment for hemorrhagic shock: saline versus colloid infusion. Siegel DC, et al. Surg Forum 21:17-9, 1970

Electrolyte solutions in resuscitation in human hemorrhagic shock. Lowery BD, et al. Surg Gynecol Obstet 133:273-84, Aug 71

The effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance: a comparison between normal saline and Ringer's lactate solutions. Coran AG, et al. Surgery 69:874-80, Jun 71

Pulmonary oxygen toxicity in experimental hemorrhagic shock. Greenfield LJ, et al. Surgery 68:662-75, Oct 70

Tissue oxygenation following resuscitation with crystalloid solution following experimental acute blood loss. Reich MP, et al. Surgery 69:928-31, Jun 71

[Advances in abdominal surgery in the modern treatment of hemorrhagic and septic shock] Uebermuth H. Cas Lek Cesk 110:677-9, 16 Jul 71 (Cze)

[Trial immunological treatment of experimental hemorrhagic shock] Laborit H, et al. Agressologie 11:431-5, 1970 (Fre)

[Shock therapy and blood transfusion in children] Koslowski L, et al. Hefte Unfallheilkd 102:93-8, 1970 (Ger)

[Resuscitation and anesthesiological procedure in patients with massive hemorrhage from the upper section of the alimentary canal] Zelazny T, et al. Przegl Lek 26:823-6, 1970 (Pol)

[Characteristics of transfusion therapy in resuscitation of patients with massive hemorrhage] Kaverina KP, et al. Probl Gematol Pereliv Krovi 15:13-7, Nov 70 (Rus)

[Plasma substitution with Hemoce] Hammer R. Rev Esp Anestesiol Reanim 18:97-107, Jan 71 (Spa)

[Effect of Ringer's lactate solution, dextran and whole blood on the survival of acutely bled rats] Tokin I, et al. Vojnosanit Pregl 28:11-5, Jan 71 (Cro)

URINE

[Effect of 1-(4-oxyphenyl)-2n-butylamino-ethanone hydrochloride (BON) on water and sodium excretion as well as on the para-aminohippuric acid (PAH) and creatinine clearance in hemorrhagic hypotension] Földi M, et al. Arzneim Forsch 20:Suppl 11a:1663+, Nov 70 (Ger)

SHOCK, SURGICAL (C17)

Characterization of the acute hepatic failure syndrome associated with the anhepatic state. Mori K, et al. Surg Gynecol Obstet 131:919-27, Nov 70

[Clinical aspects and inductor mechanisms of shock in surgery] Chevret R. Maroc Med 537:417-9, Jul 70 (Fre)

[Clinical aspects and inductor mechanisms of shock in surgery] Chevret R. Maroc Med 50:417-9, Jul 70 (Fre)

BLOOD

[Diagnosis of hypovolemias] Montoli E, et al. Acta Anaesthesiol (Padova) 21:493-509, Jul-Aug 70 (Ita)

COMPLICATIONS

Reversible acute renal failure after anuria following hypovolemic shock. David DS, et al. NY State J Med 70:2838-9, 15 Nov 70

Fetal loss from anesthesia and surgical trauma in the rabbit. Johnson WE. Toxicol Appl Pharmacol 18:773-9, Apr 71

[Ace renal insufficiency in obstetris] Ponticelli C, et al. Arch Ital Urol Nefrol 42:142-59, 1969 (Ita)

[Surgico-urologic causes of acute renal insufficiency] Sarre H. Clin Ter 50:503-18, 30 Sep 69 (Ita)

DIAGNOSIS

Surgical shock: principles of diagnosis and therapy. Gurd FN. Laval Med 40:513-25, Jun 69

DRUG THERAPY

The amphetamines. Gurney BF. Dent Dig 77:228-30, Apr 71

[Dexamethazone-21-phosphate in pediatric surgery. (Clinical experimentation)] Domini R, et al. Minerva Pediatr 21:2227-39, 24 Nov 69 (Ita)

METABOLISM

Modification of the metabolic response to trauma under extradural analgesia. Bevan DR. Anaesthesia 26:188-91, Apr 71

[Effects of surgical stress on renal neoglucogenesis during metabolic acidosis in rats] Geloso JP. J Physiol (Paris) 62:Suppl 3:381, 1970 (Fre)

PHYSIOPATHOLOGY

Quantitative observations on patellar reflex recovery following high spinal section in the cat. Hudson RD. Arch Int Physiol Biochim 78:481-7, Aug 70

PREVENTION & CONTROL

[5-years of experience in the use of hydrocortisone in high doses in acute abdominal syndromes of surgical interest, with clear or threatened toxi-infective shock] Serra GC, et al. Acta Chir Ital 25:391-7, May-Jun 69 (Ita)

[On the clinical use of high doses of hydrocortisone] Bottani G, et al. Minerva Anestesiol 36:689-96, Nov 70 (Ita)

[A polymerized polypeptide (haemoce) as a blood substitute in surgical hemorrhages of medium volume] Marcos Herraiz T, et al. Rev Esp Anestesiol Reanim 17:721-30, Oct 70 (Spa)

THERAPY

Surgical shock: principles of diagnosis and therapy. Gurd FN. Laval Med 40:513-25, Jun 69

[Circulatory collapse: physiopathology and treatment] Albert CA. Laval Med 41:1117-25, Nov 70 (Fre)

[Advantage and limitations of peritoneal dialysis in infectious shock state with abdominal manifestations] Vachon F, et al. Presse Med 78:1875-8, 17 Oct 70 (Fre)

[Shock in surgical fields] Yoshitake T, et al. Surg Ther (Osaka) 23:521-30, Nov 70 (59 ref.) (Jap)

VETERINARY

Cardiac output in weanling piglets with bacterial endotoxin shock superimposed on surgical shock. Osborne JC, et al. Cornell Vet 61:470-6, Jul 71

SHOCK THERAPY (E2, F3)

Body-mind problems from an empirical point of view. Polonio P. Br J Psychiatry 118:7-10, Jan 71

[Methohexital and Propanidid in anticonvulsive therapy] Engels G. Acta Anaesthesiol Belg 20:76-82, 1969 (Fre)

[Dynamic control of acid-base equilibrium during various forms of shock therapy] Pogády J, et al. Cesk Psychiatr 66:321-5, Dec 70 (Slo)

CHEMICALLY INDUCED

[Disorders of memory caused by monolateral and bilateral electro-convulsive therapy and chemoconvulsive therapy with flurothyl (Indoklon)] Fleschi C, et al. Riv Sper Freniatr 94:916-26, 31 Aug 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

HISTORY

[The era of shock therapy] Koupernik C.
Cah Coll Med Hop Paris 10:269-72, 15 Apr 69 (Fre)

SHOCK THERAPY, ELECTRIC (E2, F3)

see also related
ELECTRONARCOSIS (E3)

ECT + group therapy = improvement. Cohen R.
Am J Nurs 7:1195-8, Jun 71
ECT in LSD psychosis. a report of three cases. Muller DJ.
Am J Psychiatry 128:351-2, Sep 71
Electro-convulsive therapy: a suggested form for recording effects of treatment. Barnsley A.
Anaesthesia 26:239-40, Apr 71
Mechanism of convulsions elicited by local anesthetic agents. I. Local anesthetic depression of electrically-induced seizures in man. Wikinski JA, et al. Anesth Analg (Cleve) 49:504-10, May-Jun 70
Legal issues relating to electroconvulsive therapy. Beresford HR. Arch Gen Psychiatry 25:100-2, Aug 71
Indoklon and electric convulsive therapy. A comparative study of their effects on memory. Kafi A, et al. Behav Neuropsychiatry 1:25-30, Jul 69
Diazepam-modified electroconvulsive therapy. Martin DJ, et al. Biol Psychiatry 3:129-39, 1971
Daily administered unilateral ECT. Stinnett JL, et al.
Biol Psychiatry 2:303-6, Jul 70
An evaluation of the effect of methohexitone and propanidid on blood pressure, pulse rate and cardiac arrhythmia during electroconvulsive therapy. Rollason WN, et al. Br J Anaesth 43:160-6, Feb 71
The effect of ECT on memory and learning. Miller E.
Br J Med Psychol 43:57-62, Mar 70
Issues in the assessment of post-ECT memory changes. Brunschwig L, et al. Br J Psychiatry 119:73-4, Jul 71
Memory changes after unilateral and bilateral convulsive therapy (ECT). Dornbush R, et al.
Br J Psychiatry 119:75-8, Jul 71
The effect of unilateral E.C.T. on schizophrenic delusions and hallucinations. el-Islam MF, et al.
Br J Psychiatry 117:447-8, Oct 70
A seven-month double-blind trial of amitriptyline and diazepam in ECT-treated depressed patients. Kay DW, et al. Br J Psychiatry 117:667-71, Dec 70
A case of atrial fibrillation following the use of suxamethonium during ECT. O'Melia J.
Br J Psychiatry 117:718, Dec 70
Effect of ECT on responses to a depression questionnaire: implications for taxonomy. Pilowsky I, et al. Br J Psychiatry 117:685-8, Dec 70
Unilateral ECT as a test for cerebral dominance, with a strategy for treating left-handers. Pratt RT, et al.
Br J Psychiatry 119:79-83, Jul 71
Diagnostic significance of physical signs produced during ECT. Green G, et al.
Can Med Assoc J 104:311-2, 20 Feb 71
Significance of physical signs produced during ECT. Roper P. Can Med Assoc J 104:767 passim, 8 May 71
Electroencephalotherapy. Margetts EL.
Can Psychiatr Assoc J 16:275, Jun 71
Modifications of electroconvulsive therapy. Bidder TG, et al. Compr Psychiatry 11:507-17, Nov 70
Lateralized EEG changes afterunilateral and bilateral eectroconvulsive therapy. Abrams R, et al.
Dis Nerv Syst 31:Suppl:28-33, Nov 70
ECT for obsessive-compulsive symptoms. (Possible mechanisms of action). Gruber RP.
Dis Nerv Syst 32:180-2, Mar 71
Unilateral ECT. (One year's experience at a city hospital). Muller DJ. Dis Nerv Syst 32:422-4, Jun 71
Sensory evoked responses with unilateral electroconvulsive treatment. Small JG, et al.
Electroencephalogr Clin Neurophysiol 30:164, Feb 71
ECS disruption of time-dependent processes in discriminated-avoidance conditioning in rats: incubation or consolidation? Barrett RJ, et al.
J Comp Physiol Psychol 74:319-24, Feb 71
Incubation and ECS-produced gradients in one-trial and multitrial discriminated-avoidance conditioning in rats. Black M, et al.
J Comp Physiol Psychol 74:325-30, Feb 71
Two types of ECS-produced disruption of one-trial training in the rat. Pinel JP.
J Comp Physiol Psychol 72:272-7, Aug 70
Amnesic and disinhibitory effects of electroconvulsive shock in the rat. Posluns D, et al.
J Comp Physiol Psychol 73:291-306, Nov 70
Electroencephalographic (EEG), evoked potential, and direct current (DC) responses with unilateral electroconvulsive treatment (ECT). Small IF, et al.
J Nerv Ment Dis 152:396-404, Jun 71
A study of a respiratory related variation of muscle tone during the decrement of decerebrate tonicity in ECT. Treise PC.
J Neurol Neurosurg Psychiatry 34:32-6, Feb 71
Electrical treatment--a balanced view. Merskey H.
Nurs Times 66:1641-3, 24 Dec 70
Electrical treatment--a balanced view. Merskey H.
Nurs Times 66:1641-3, 24 Dec 71
Electroshock, effete or essential? Condé RL.
Rocky Mt Med J 68:12-6, Jun 71
Relationship between electrical shock and fibrinolysis. Tymiński W, et al.
Thromb Diath Haemorrh 24:507-11, 31 Dec 70
[Insulinotherapy and schizophrenia] Luyssaert W, et al. Acta Neurol Belg 69:315-35, May 69 (Fre)
[Multiple therapeutic approaches and their effects on chronicity: case report] Seeman M, et al.
Ann Med Psychol (Paris) 1:727-32, May 69 (Fre)
[Multiple therapeutic approaches and their effects on chronicity: case report] Seeman M, et al.
Ann Med Psychol (Paris) 127:727-32, May 69 (Fre)
[Clinical study on the activity of diazepam in the electroconvulsive therapy] Campione LA, et al.
Acta Neurol (Napoli) 26:178-87, Mar-Apr 71 (Ita)
[Electrographic changes in the cat with long-term implantation of electrodes, exposed to serial electroshocks (ES)] Vacca L, et al.
Acta Neurol (Napoli) 26:66-73, Jan-Feb 71 (Ita)
[Clinico-cardiological limitations to electroconvulsive therapy] Braccaloni G, et al.
Cardiol Prat 20:21-5, Feb 69 (Ita)
[CI-581 and electroconvulsive therapy] Crecchia C, et al. Minerva Anestesiol 35:711-3, Jul 69 (Ita)
[Our experience with intravenous use of "Valium" in anesthesia for electric shock therapy] Zanibelli G, et al. Minerva Anestesiol 36:241-4, Apr 70 (Ita)
[Anesthetic choice in electroconvulsive therapy with muscle relaxants] Bertolino A, et al.
Rass Int Clin Ter 50:1295-301, 31 Oct 70 (Ita)
[Electroencephalographic and clinical considerations on electroshock therapy performed under Diazepam anesthesia] Reitano S, et al.
Riv Neurobiol 16:174-99, Apr-Jun 70 (Ita)
[Comparative evaluation of the mental changes induced with unilateral electroshock as compared with classical electroshock] Spilimbergo PG.
Riv Sper Freniatr 93:549-76, 30 Apr 69 (Ita)
[Prevention of spinal trauma in the course of electroconvulsive treatment] Kamiński Z.
Psychiatr Pol 5:45-8, Jan-Feb 71 (Pol)
[Case of so-called acute lethal catatonia successfully treated with electroconvulsant therapy] Lesiak J.
Psychiatr Pol 5:355-7, May-Jun 71 (Pol)
[Evaluation of unilateral electric shocks in the light of psychological examinations] Ruszczyńska B.
Psychiatr Pol 5:39-43, Jan-Feb 71 (Pol)
[Activation of fibrinolysis in the course of electroconvulsant therapy] Tymiński W, et al.
Psychiatr Pol 4:613-7, Nov-Dec 70 (Pol)
[Electroencephalotherapy] Thiré F.
Hospital (Rio de J) 78:277-82, Jul 70 (Por)
[Anesthesia in psychiatric ambulatory patients] Martínez-Corbalán Bey.
Rev Esp Anestesiol Reanim 17:386-8, Apr 70 (Spa)
[Epontol in electroconvulsive therapy] Beckman M, et al. Nord Med 85:202-5, 18 Feb 71 (Swe)

ADVERSE EFFECTS

Bilateral and unilateral ECT: follow-up study and critique. Bidder TG, et al.
Am J Psychiatry 127:737-45, Dec 70
Shock, surgery and cerebral asymmetry. Inglis J.
Br J Psychiatry 117:143-8, Aug 70
Transient cerebral complication associated with multiple monitored electroconvulsive therapy. Strain JJ, et al. Dis Nerv Syst 32:95-100, Feb 71
Unilateral and bilateral ECT: a study of memory disturbance and relief from depression. Cronin D, et al. J Neurol Neurosurg Psychiatry 33:705-13, Oct 70
An unusual complication due to electric convulsive therapy. Mesenteric hemorrhage. Wallace JA.
J Tenn Med Assoc 64:599, Jul 71
[Disorders of memory caused by monolateral and bilateral electro-convulsive therapy and chemoconvulsive therapy with flurothyl (Indoklon)] Fieschi C, et al.
Riv Sper Freniatr 94:916-26, 31 Aug 70 (Ita)

INSTRUMENTATION

Electroconvulsive therapy instruments. Should they be reevaluated? Davies RK, et al.
Arch Gen Psychiatry 25:97-9, Aug 71

STANDARDS

Electroconvulsive therapy instruments. Should they be reevaluated? Davies RK, et al.
Arch Gen Psychiatry 25:97-9, Aug 71

SHOCK THERAPY, INSULIN (E2, F3)

[Insulinotherapy and schizophrenia] Luyssaert W, et al. Acta Neurol Belg 69:315-35, May 69 (Fre)
[Clinico-psychological findings in schizophrenic patients treated with insulin shock therapy] Zito M, et al. Osp Psichiatr 32:301-32, Jul-Sep 70 (Ita)
[A therapeutic pathomorphosis of schizophrenia proceeding with paranoid disorders] Ozola MIa.
Zh Nevropatol Psikhiatr 70:600-5, 1970 (Rus)

SHOCK, TOXIC (C14, C17)

[Toxi-infectious shock. Shwartzman phenomenon] Lambotte R. Rev Med Liege 26:33-8, 1 Jan 71 (Fre)
[Toxi-infectious post-partum shock] Vandervellen R.
Rev Med Liege 26:46-8, 1 Jan 71 (Fre)

BLOOD

[Hyperlactatemia in the course of a septic shock] Enrico JF, et al.
Schweiz Med Wochenschr 100:1639-47, 26 Sep 70 (Fre)
[Histamine, serotonin and kininogen in shock produced by intravenous injection of quartz particles in rats] Antweiler H, et al.
Int Arch Arbeitsmed 27:349-60, 1971 (Ger)
[Participation of kinins in anaphylactic and anaphylatoxin shock in guinea pigs] Garbe G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:330, 1970 (Ger)

DIAGNOSIS

Application of statistical techniques for assessment of prognosis in patients with acute circulatory failure (shock). Winkel P, et al. J Chronic Dis 24:61-9, Jun 71
Pattern and process in the evolution of human septic shock. Siegel JH, et al. Surgery 70:232-45, Aug 71

DRUG THERAPY

Large doses of steroids in septicaemic shock. Rogers J.
Br J Urol 42:742, Dec 70
Epidural blockade in the treatment of septic shock. Silverstein MJ, et al.
J Cardiovasc Surg (Torino) 11:122-8, Mar-Apr 70
Effects of anti-inflammatory drugs in shock caused by injection of living E. coli cells. Culp JR, et al.
Proc Soc Exp Biol Med 137:219-23, May 71
[Course of protracted collapse at an early age during different actions of the mechanism of neurohumoral regulation of hemoestasis] Elantsev AB.
Biull Eksp Biol Med 67:20-2, 1969 (Rus)

ENZYMOLOGY

[Erythrocytic acetylcholinesterase changes in shock-collapse of an infectious nature in infants] Miu N, et al. Pediatria (Bucur) 19:343-8, Jul-Aug 70 (Rum)

ETIOLOGY

Toxicity of ethylene oxide sterilization of polyvinyl chloride in open-heart surgery. Stanley P, et al.
J Thorac Cardiovasc Surg 61:309-14, Feb 71
Shock associated with barbiturate intoxication. Shubin H, et al. JAMA 215:263-8, 11 Jan 71
[Physiopathology and treatment of burn shock] Lassner J. Cah Anesthesiol 18:879-93, Nov 70 (Fre)
[Post abortum bacteremic shock and coagulopathies of consumption] Dumont M, et al.
Gynecol Obstet (Paris) 70:109-23, Jan-Feb 71 (Fre)
[Must we banish penicillin injections in current practice?] Dupas A. Presse Med 79:721, 27 Mar 71 (Fre)
[Blood circulatory incidents following succinylcholin in patients with burns] Meier F, et al.
Chirurg 42:232-6, May 71 (Ger)
[Case of chronic alpha-methyldopa poisoning in a female patient with biliary-digestive fistula] Guardasole F, et al.
Rass Int Clin Ter 50:1316-9, 31 Oct 70 (Ita)

PHYSIOPATHOLOGY

Clinical and EEG study of a case of acute poisoning, with cerebral electrical silence followed by recovery. Mellerio F.
Electroencephalogr Clin Neurophysiol 30:254, Mar 71
The peculiar hemodynamics of septic shock. Bell H, et al. Postgrad Med 48:106-14, Oct 70
[Pulmonary edema in septicemic shock] Ciesielski L.
Przegl Lek 27:229-31, 1971 (Pol)

PREVENTION & CONTROL

[5-years of experience in the use of hydrocortisone in high doses in acute abdominal syndromes of surgical interest, with clear or threatened toxi-infective shock] Serra GC, et al.
Acta Chir Ital 25:391-7, May-Jun 69 (Ita)
[Study to evaluate the prevention of therapeutic shock in onchocerciasis] Villamayor CA.
Salud Publica Mex 12:321-31, May-Jun 70 (Spa)

THERAPY

Septic shock in obstetric practice. Douglas GW.
J Am Osteopath Assoc 70:1332-4, Aug 71
[Advances in abdominal surgery in the modern treatment of hemorrhagic and septic shock] Uebermuth H. Cas Lek Cesk 110:677-9, 16 Jul 71 (Cze)
[Physiopathology and treatment of burn shock] Lassner J. Cah Anesthesiol 18:879-93, Nov 70 (Fre)
[Advantage and limitations of peritoneal dialysis in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

infectious shock state with abdominal manifestations] Vachon F, et al.
Presse Med 78:1875-8, 17 Oct 70 (Fre)

SHOCK, TRAUMATIC (C14, C17)

[Dietetics of surgical and injured patients] Le Peltier P, et al. Maroc Med 538:493-8, Aug-Sep 70 (Fre)
[Erectile phase of shock in severe mining trauma] Efimov IS, et al.
Ortop Travmatol Protez 31:82-3, Aug 70 (Rus)
[The discussion and current views on traumatic shock] Petrov IR. Vestn Khir 103:106-10, Nov 69 (Rus)
[Conclusions of the editorial board on the discussions concerning the problem of traumatic shock]
Vestn Khir 105:102-3, Jul 70 (Rus)

BLOOD

Effect of phenoxybenzamine on lactate and pyruvate levels in tourniquet shock. Chandra P, et al.
Indian J Med Res 58:230-3, Feb 70
[Consumption coagulopathy in traumatic shock due to burns] Hey D, et al.
Verh Dtsch Ges Inn Med 75:481-4, 1969 (Ger)
[Distribution of kininogen in the serum and tissues of rats and other mammals] Werle E, et al.
Z Klin Chem Klin Biochem 8:186-9, May 70 (Ger)
[Metabolic acidosis and potassium content of erythrocytes: studies in patients under shock] Vetrò A, et al.
Acta Anaesthesiol (Padova) 21:487-92, Jul-Aug 70 (Ita)
[Changes in blood rheologic properties in traumatic shock and their significance in the genesis of circulatory disorders] Seleznev SA, et al.
Patol Fiziol Eksp Ter 14:65-70, Mar-Apr 70 (Rus)

CLASSIFICATION

[Pathogenetic characteristics and principles of treatment of traumatic shock] Rozhinskii MM.
Vestn Khir 103:111-5, Nov 69 (Rus)

COMPLICATIONS

Shock lung: a distinct entity. Geriatrics 26:84-5, May 71
Post traumatic syndrome ascribed conventionally to fat embolism. Grüner OP.
J Oslo City Hosp 21:81-93, Jun 71
Respiratory insufficiency syndrome.
Med J Aust 1:1040-1, 15 May 71
[Post-traumatic acute respiratory failure and "shocked lung"] Baumann J, et al.
Ann Chir Thorac Cardiovasc 10:85-94, Jan 71 (Fre)
[Gynecologic disorders resulting from head injuries (apropos of 120 cases)] L'Epée P, et al.
Med Leg Domm Corpor (Paris) 1:403-5, Oct 68 (Fre)
[Fat embolism--a secondary symptom of traumatic shock] Fuchsig P.
Dtsch Med Wochenschr 96:1210-3, 16 Jul 71 (Ger)
[Post-traumatic fat embolism in a 13-year-old girl] Kretzschmar HJ.
Zentralbl Chir 95:1223-5, 17 Oct 70 (Ger)
[Physiopathology, clinical picture and therapy of renal insufficiency in severe injuries of the extremities] Sanguinetti C, et al.
Arch Putti Chir Organi Mov 24:125-42, 1969 (Ita)
[Case contributions to emphasize the etiopathogenetic relations between hemodynamic factors and medionecrosis of the aorta] Maschio C, et al.
Riv Anat Patol Oncol 33:215-30, 1968 (Ita)
[Changes in blood rheologic properties in traumatic shock and their significance in the genesis of circulatory disorders] Seleznev SA, et al.
Patol Fiziol Eksp Ter 14:65-70, Mar-Apr 70 (Rus)

DIAGNOSIS

[Mental causality in accidents (shock effects)] Grömig H. Med Monatsschr 25:341-2, Jul 71 (Ger)
[Shock in cranio-cerebral injuries alone and in combination with other injuries] Ukhanova NV, et al.
Vestn Khir 102:72-6, May 69 (Rus)

DRUG THERAPY

[Intraintestinal administration of oxygen and the hepatic function in experimental traumatic shock. Levels of cholinesterase, alkaline and acid phosphatases and alanine and aspartic aminotransferases] Ziarek S, et al.
Pol Tyg Lek 25:1282-5, 24 Aug 70 (Pol)
[Effect of pentamine on the hemodynamics and reflex regulation of blood circulation in traumatic shock] Ershova NI, et al.
Farmakol Toksikol 33:690-3, 1970 (Rus)

ENZYMOLOGY

[Intraintestinal administration of oxygen and the hepatic function in experimental traumatic shock. Levels of cholinesterase, alkaline and acid phosphatases and alanine and aspartic aminotransferases] Ziarek S, et al.
Pol Tyg Lek 25:1282-5, 24 Aug 70 (Pol)
[Acid phosphatase activity in rat liver and kidney tissue in experimental traumatic shock] Zhalko-Titarenko VF.
Eksp Khir Anesteziol 15:42-3, Jul-Aug 70 (Rus)
[Brain cholinesterase activity in traumatic shock] Shuster LA.
Patol Fiziol Eksp Ter 14:70-3, Mar-Apr 70 (Rus)

ETIOLOGY

[Physiopathology and treatment of burn shock] Lassner J. Therapie 26:307-15, Mar-Apr 71 (Fre)
[Traumatic cerebral shock] Lebedev VV, et al.
Khirurgiia (Mosk) 46:9-13, Sep 70 (Rus)
[Shock in stab sounds of the liver in peace time] Pokrovskiĭ GA, et al.
Khirurgiia (Mosk) 46:13-7, Sep 70 (Rus)
[Some characteristics of severe mining injuries complicated by shock] Efimov IS, et al.
Klin Khir 11:52-3, Nov 70 (Rus)
[How to interpret the term "burn shock"?] Pekarskiĭ DE. Klin Khir 8:64-6, Aug 70 (Rus)
[Shock in isolated craniocerebral trauma] Fraerman AP, et al. Vopr Neirokhir 34:58-61, Jul-Aug 70 (Rus)
[Traumatic shock in craniocerebral injuries] Lebedev VV, et al. Vopr Neirokhir 34:61-3, Jul-Aug 70 (Rus)

METABOLISM

[Treatment of metabolic acidosis in traumatic shock] Med Klin 66:1250, Sep 71 (Ger)
[Combination injuries. Comparative electrolyte studies in rats, stressed by whole body irradiation and skin wounds] Messerschmidt O, et al.
Strahlentherapie 141:705-11, Jun 71 (Ger)
Oxygen consumption and oxygen deficit in tourniquet shock in dogs] Brückner UB, et al.
Z Kreislaufforsch 60:545-56, Jun 71 (Ger)
[Tyrosine and tryptophan metabolism in the livers of traumatized white rats] Lan NN, et al.
Biull Eksp Biol Med 66:59-61, 1968 (Rus)

PATHOLOGY

[Morphologic changes in the adrenal cortex in experimental burns] Muzykant LI, et al.
Biull Eksp Biol Med 69:113-6, Jun 70 (Rus)

PHYSIOPATHOLOGY

Gastric secretory and splanchnic blood flow studies in man after severe trauma and hemorrhagic shock. McClelland RN, et al. Am J Surg 121:134-42, Feb 71
Physiologic consideration of hypoxemia in shock and trauma. McLaughlin JS. Ann Surg 173:667-79, May 71
Changes in red cell mass after trauma measured by double red cell label technic. Taube RR, et al.
Ann Surg 174:61-7, Jul 71
Trauma workshop report: endocrine response. Egdahl RH, et al. J Trauma 10:1050-1, Nov 70
Reaction of the body as a whole to injury. Gelin LE.
J Trauma 10:932-9, Nov 70
Trauma workshop report: shock-rheology and oxygen transport. Gelin LE, et al. J Trauma 10:1078-83, Nov 70
Myocardial lipases and catecholamines in burn shock. Okamoto R, et al.
Proc Soc Exp Biol Med 137:347-53, May 71
Sequential hemodynamic events after trauma to the unanesthetized patient. Shoemaker WC, et al.
Surg Gynecol Obstet 132:651-6, Apr 71
[Modifications of the speed of respiratory air flow in traumatic coma] Fasano VA, et al.
Neurochirurgie 15:263-74, Jul-Aug 69 (Fre)
[Pathophysiology and pathobiochemistry of burns] Ziegler C, et al.
Z Aerztl Fortbild (Jena) 65:62-7, 15 Jan 71 (109 ref.) (Ger)
[Blood and lymphatic system of the liver in experimental burn shock] Dorofeev AA.
Arkh Anat Gistol Embriol 60:68-73, Jan 71 (Rus)
[Basic features of microcirculation in traumatic shock (based on data from intravital microscopy of rat mesoappendix)] Khrabrova OP.
Biull Eksp Biol Med 67:16-9, 1969 (Rus)
[Hepatic circulation in traumatic shock] Seleznev SA, et al. Biull Eksp Biol Med 66:14-8, Sep 68 (Rus)
[Blood flow in adipose tissue in hemorrhagic shock] Roseli S. Lakartidningen 67:6131-6, 23 Dec 70 (Swe)
[The gathering of thrombocytes in the lung in traumatic shock and induced intravasal coagulation] Ljungqvist U, et al. Nord Med 84:1347, 15 Oct 70 (Swe)

PREVENTION & CONTROL

Protection against burn, tourniquet and endotoxin shock by histamine, 5-hydroxytryptamine and 5-hydroxytryptamine derivatives. Markley K, et al.
Br J Pharmacol 42:13-24, May 71
The use of constant current diodes in preventing electrical shock from hospital equipment. Fish RM.
IEEE Trans Biomed Eng 17:351, Oct 70
[Prevention and treatment of traumatic shock] Rokkanen P, et al. Duodecim 87:317-22, 1971 (Fin)
[Prevention and therapy of the posttraumatic fat embolism] Durst J, et al.
Dtsch Med Wochenschr 96:210-2, 29 Jan 71 (Ger)
[Controlled normothermia management in peritonitis and in severe cranial injury with central hyperthermia] Struck F.
Z Aerztl Fortbild (Jena) 64:70-3, 15 Jan 70 (Ger)

SURGERY

[Evaluation of general condition and shock therapy in multiple injuries] Allgöwer M.
Langenbecks Arch Chir 322:230-41, 1968 (Ger)

THERAPY

A critical evaluation of fluid resuscitation in the burned patient. Reckler JM, et al.
Ann Surg 174:115-8, Jul 71
A simple method for the continuous evaluation of urinary output in severely burned children. Goris J.
Surg Gynecol Obstet 132:695, Apr 71
Electrolyte solutions in resuscitation in human hemorrhagic shock. Lowery BD, et al.
Surg Gynecol Obstet 133:273-84, Aug 71
[Prevention and treatment of traumatic shock] Rokkanen P, et al. Duodecim 87:317-22, 1971 (Fin)
[Resuscitation of electric burn patients] Picard JM, et al. Therapie 26:361-9, Mar-Apr 71 (Fre)
[Experiences with volume substitution at the site of the accident] Engelhardt GH, et al.
Hefte Unfallheilkd 99:166-70, 1969 (Ger)
[Shock therapy and blood transfusion in children] Kosiowski L, et al.
Hefte Unfallheilkd 102:93-8, 1970 (Ger)
[Multiple fractures of the extremities] Böhler J. Langenbecks Arch Chir 322:1051-9, 1968 (Ger)
[Therapy of traumatic shock and shock due to burns] Lutz H. Med Welt 22:1195-6, 24 Jul 71 (Ger)
[Glucose in the shock situation] Rettenbacher J. Monatsschr Unfallheilkd 72:367-71, Sep 69 (Ger)
[Resuscitation of burned patients] Esposito B, et al.
Arcisp S Anna Ferrara 22:501-59, 1969 (Ita)
[Traumatic shock and current therapeutic methods] Sugimoto T, et al.
Surg Ther (Osaka) 23:544-53, Nov 70 (29 ref.) (Jap)
[Shock due to burn and current therapeutic methods] Tanaka T, et al.
Surg Ther (Osaka) 23:554-61, Nov 70 (40 ref.) (Jap)
[Resuscitation in patients with severe combined injuries and uncompensated shock] Pashchuk AIu, et al. Ortop Travmatol Protez 31:83-5, Aug 70 (Rus)
[Significance of exchange blood transfusion in burn shock] Murazian RI, et al.
Probl Gematol Pereliv Krovi 15:17-20, Nov 70 (Rus)
[Certain problems of the treatment of traumatic shock] Panchenko MK, et al.
Vestn Khir 103:115-20, Nov 69 (Rus)
[Use of erythrocyte transfusate in surgery of injuries] Simbirtsev SA, et al.
Vestn Khir 106:100-4, Jan 71 (Rus)
[Transfusion therapy and circulating blood volume in patients with multiple traumatic injuries] Zolotokrylina ES, et al.
Vestn Khir 106:113-6, Apr 71 (Rus)
[Shock in traumatogenic emergencies] Fernández Trujillo P, et al.
Rev Esp Anestesiol Reanim 17:764-70, Oct 70 (Spa)

SHOES (J)

The shoeing of children: sham or science? Bleck EE.
Dev Med Child Neurol 13:188-95, Apr 71
Radiation exposure from a shoe-fitting fluoroscope. Bushong SC, et al. Health Phys 18:575-7, May 70
A practical hand-shoe monitor. Fergus RW.
Health Phys 19:307-10, Aug 70
SACH heel improves results of ankle fusion. Baker PL.
J Bone Joint Surg [Am] 52:1485-6, Oct 70
Shoeprints: quantum of proof. With emphasis on the jurisprudential aspects. Joling RJ.
J Forensic Sci 13:223-35, Apr 68
Exercise-sandals. Riviin S. Lancet 1:195, 23 Jan 71
The demonstrative value of the radiography of shoes in cases of electrocution. Kunnen M, et al.
Med Sci Law 10:45-6, Jan 70
[Indian sandal dermatitis] Rothenborg HW, et al.
Ugeskr Laeger 133:802-3, 30 Apr 71 (Dan)
[Practical use of antidermatophyticly active textiles, bathroom mats, bathroom slippers and rubber boots] Jung HD. Mykosen 11:599-601, 1 Aug 68 (Ger)
[Little help with coxarthrosis] Limseth T.
Tidsskr Nor Laegeforen 91:1424, 30 Jun 71 (Nor)

ADVERSE EFFECTS

Vamp disease. Inflammation of the great toe due to pressure from women's shoes. Shapiro L, et al.
Arch Dermatol 102:661-4, Dec 70
Exercise-sandals. Robinson MP.
Lancet 2:1249-50, 12 Dec 70
Tinea pedis--a penalty of civilization. A sample survey

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of rural and urban population. Bhutani LK, et al. Mykosen 14:335-6, Jun 71
Effect of shoe type and cleat length on incidence and severity of knee injuries among high school football players. Torg JS, et al. Res Q Am Assoc Health Phys Educ 42:203-11, May 71

SHOPE FIBROMA see FIBROMA, SHOPE (C1, C2)

SHORT-WAVE THERAPY see under DIATHERMY

(E2)

SHOULDER (A1, A2)

Scapulo-humeral goniometer. Doody SG, et al. Arch Phys Med Rehabil 51:711-3, Dec 70
Creatine phosphokinase in facioscapulohumeral muscular dystrophy. Hughes BP. Br Med J 3:464-5, Aug 71
Radical surgery for malignant lesions of the shoulder with upper limb preservation. Macfarlane DA. Bull Soc Int Chir 30:23-30, Jan-Feb 71
Shoulder dystocia. Lynn JM. J Am Osteopath Assoc 69:1235-41, Aug 70
Tumor clinic proceedings. Case no. 25. Rhabdomyosarcoma of the deltoid muscle. J Okla State Med Assoc 63:64-6, Feb 70
Passive shoulder exercises. Dontigny RL. Phys Ther 50:1707-9, Dec 70
Localized hypothermia for the relief of pain in musculoskeletal injuries. Lane LE. Phys Ther 51:182-3, Feb 71
Reconstruction in Landouzy-Dejerine progressive muscular dystrophy. Case report. Cocke WM, et al. Plast Reconstr Surg 48:77-9, Jul 71
[2 cases of alveolar rhabdomyosarcoma of striated muscle] Feroldi J, et al. Arch Anat Pathol (Paris) 19:77-80, Mar 71 (Fre)
[Omarthrosis and its therapy] Exertier J, et al. Bull Soc Sci Med Grand Duche Luxemb 105:79-91, Nov 68 (Fre)
[Action of butazolidine in the treatment of rheumatic sequelae of cervical lymph node excisions] Haguenauer JP. J Fr Otorhinolaryngol 18:493-501, Sep 69 (Fre)
[The Parsonage-Turner syndrome] Warot P, et al. Lille Med 16:151-5, Jan 71 (Fre)
[Parsonage-Turner syndrome (or amyotrophic neuralgia of the shoulder) in a 15-year-old boy] Breynaert R, et al. Pediatrie 26:330-2, Apr-May 71 (Fre)
[Lameness of the shoulder: articular lesion or nervous lesion?] Onkelinx A, et al. Rev Med Liege 24:649-50, 1 Sep 69 (Fre)
[Parsonage--Turner syndrome (neuralgic amyotrophy of the upperlimb). Apropos of 4 cases] Bahri M, et al. Rhumatologie 22:327-35, Nov 70 (Fre)
[Symptomatology of the shoulder in inflammatory rheumatism of the cingulum membri superioris (50 cases)] Rometti M, et al. Rhumatologie 22:107-9, Mar 70 (Fre)
[Benign chondroblastoma. A case and bibliographic review] Dominok GW, et al. Beitr Orthop Traumatol 17:453-8, Jul 70 (Ger)
[Neuritic pains in shoulder and arm] Bischoff A. Praxis 59:385-8, 10 Mar 70 (Ger)
[Radicular pains in shoulder and arm] Weber G. Praxis 59:357-64, 10 Mar 70 (Ger)
[Shoulder pain in hemiplegics] Le Grand E. Schweiz Med Wochenschr 101:96-7, 23 Jan 71 (Ger)
[Anatomical and clinical report of a case of deltoid bursitis with free bodies] Bruscoli P, et al. Minerva Ortop 22:31-9, Jan-Feb 71 (Ita)
[Orthopedic treatment and physical therapy of paralysis of the trapezius muscle] Guicciardi E, et al. Minerva Ortop 21:462-8, Jun-Jul 70 (Ita)
[Indications and limits of mobilization during narcosis in the treatment of periarthritis of the shoulder] Jacchia GE, et al. Minerva Ortop 20:397-401, Sep 69 (Ita)
[Treatment of calcified periarthritis of the shoulder by two-way lavage] Marchetti PG, et al. Minerva Ortop 20:485-90, Oct 69 (Ita)
[Neck, shoulder and low back pains of the aged] Yoshida T. Saishin Igaku 26:847-50, May 71 (Jap)
[Facio-scapulo-peroneal myopathy] Voiculescu V, et al. Neurol Psihiatr Neurochir 15:315-23, Jul-Aug 70 (Rum)
[Surgery of birth paralysis (a case from practice)] Milev MN. Ortop Travmatol Protez 31:70-2, Aug 70 (Rus)

ABNORMALITIES

[Athelia and amastia with a dysplastic shoulder girdle. Case report] Imbach P. Helv Paediatr Acta 26:14-8, Apr 71 (Ger)

ANATOMY & HISTOLOGY

Functional anatomy of the shoulder complex. A review. Kent BE. Phys Ther 51:947, Aug 71 (49 ref.)
[Anatomy of the shoulder girdle and the arm] Kubik S. Praxis 59:339-50, 10 Mar 70 (Ger)
[M. serratus anterior of Japanese. 2. The area of its origin and its interdigitation with the M. obliquus externus abdominis] Murata K, et al. Acta Anat Nippon 46:193-6, Jun 71 (Jap)
[Anthroposcopical studies on the ossa membri superioris of modern Japanese in the Middle Kyushu district] Nakamura K, et al. J Kumamoto Med Soc 45:491-503, 25 Apr 71 (Jap)

BLOOD SUPPLY

[Collateral circulation in thrombotic obstruction of the subclavian vein] Sieberns H. Fortschr Geb Roentgenstr Nuklearmed 114:801-12, Jun 71 (Ger)

INJURIES

Roentgen diagnosis of rotator cuff tear. Report of 48 surgically proven cases. Kotzen LM. Am J Roentgenol Radium Ther Nucl Med 112:507-11, Jul 71
Ruptures of the rotator cuff of the shoulder. New concepts in the diagnosis and operative treatment of chronic ruptures. Neviaser JS. Arch Surg 102:483-5, May 71
[Post-algic paralysis of the scapular girdle: the Parsonage-Turner syndrome] Riffat G, et al. Rhumatologie 23:97-103, Mar 71 (Fre)
[Elements of biomechanics and comparative anatomy of the shoulder (approach to scapulo-humeral periarthritis caused by caul injuries)] Wellinger C. Rhumatologie 23:7-15, Jan 71 (Fre)
[Abduction contracture of the shoulder] Robanescu N. Beitr Orthop Traumatol 16:138-9, Mar 69 (Ger)
[Therapeutic results of multiple injuries of the extremities (including shoulder-girdle and pelvis)] Buff HU. Langenbecks Arch Chir 322:1034-40, 1968 (Ger)
[Diagnosis of the rotator cuff rupture] Brabender H. Med Welt 12:453-7, 20 Mar 71 (Ger)
[Post traumatic osteolyses of the lateral clavicular end] Strauch W. Radiol Diagn (Berl) 11:221-9, 1970 (Ger)
[Pathogenesis and clinical aspects of layer fractures in the upper extremities] Napieralski K, et al. Zentralbl Chir 95:814-21, 11 Jul 70 (Ger)

INNERVATION

Effect of suprascauular and axillary nerve blocks on muscle force in upper extremity. Colachis SC Jr, et al. Arch Phys Med Rehabil 52:22-9, Jan 71

PHYSIOLOGY

Head and shoulder girdle linkage. Stepping in place. Waterland JC, et al. Am J Phys Med 49:279-89, Oct 70
Shoulder movements during abduction in the scapular plane. Doody SG, et al. Arch Phys Med Rehabil 51:595-604, Oct 70
Shoulder dynamics subsequent to a radical mastectomy. Flint MM, et al. Electromyography 10:171-82, May-Aug 70

PHYSIOPATHOLOGY

[Articular mechanics in recidive shoulder luxation before and after surgical treatment] Höhle KD, et al. Monatsschr Unfallheilkd 72:205-11, May 69 (Ger)

RADIOGRAPHY

[Rare case of calcification of the coraco-clavicular ligament] Villányi G. Fortschr Geb Roentgenstr Nuklearmed 112:895-6, May 70 (Ger)

SURGERY

Complete acromionectomy in the treatment of chronic tendinitis of the shoulder. A follow-up of ninety operations on eighty-seven patients. Hammond G. J Bone Joint Surg [Am] 53:173-80, Jan 71
[Resection of the shoulder with conservation of the upper limb. 3 cases] Vincent A, et al. Acta Orthop Belg 36:289-303, May 70 (Fre)
[Place of internal disinsertion of the subscapularis muscle in the treatment of obstetric paralysis of the upper limb in children] Carlioz H, et al. Ann Chir Infant 12:159-67, Mar-Apr 71 (Fre)
[Interscapulo-thoracic exarticulation: technic, indications and surgical results] Menye PA, et al. Bull Soc Med Afr Noire Lang Fr 15:530-9, 1970 (Fre)
[Surgical treatment of stiffness of the shoulder] Darcy M. Rev Rhum Mal Osteoartic 37:757-9, Nov 70 (Fre)
[A technic of compression arthrodesis of the shoulder joint] Fishkin VI, et al. Ortop Travmatol Protez 31:74-5, Apr 70 (Rus)
[New methods of arthrodesis of the shoulder joint] Kovinskiĭ IT. Ortop Travmatol Protez 31:68-9, Oct 70 (Rus)

SHOULDER DISLOCATION (C14)

Recurrent dislocation of the shoulder. Eyre-Brook AL. Physiotherapy 57:7-13, Jan 71
[Luxations of the clavicula and their possible treatment] Riedeberger J, et al. Zentralbl Chir 95:653-8, 30 May 70 (Ger)
[Posterior shoulder dislocation] Gualtieri G, et al. Chir Organi Mov 58:395-411, 1970 (Ita)
[Posterior traumatic dislocation of the shoulder] Piątkowski S. Chir Narzadow Ruchu Ortop Pol 35:513-5, 1970 (Pol)
[Shoulder dislocation in swimmers] Cherkes-Zade DI. Ortop Travmatol Protez 32:80-1, Feb 71 (Rus)

COMPLICATIONS

Nerve injuries in dislocations of the shoulder joint and fractures of the neck of the humerus. A clinical and electromyographical study. Blom S, et al. Acta Chir Scand 136:461-6, 1970
Fractured neck of the humerus with separation and dislocation of the humeral head. (Fracture-dislocation of the shoulder, severe type). Gold AM. Bull Hosp Joint Dis 32:87-99, Apr 71
Fracture of the humeral shaft associated with ipsilateral fracture dislocation of the shoulder: report of a case. Baker DM. J Trauma 11:532-4, Jun 71
[Dislocation fractures of the shoulder] Beek HM van. Ned Tijdschr Geneeskd 114:2157-8, 19 Dec 70 (Dut)
[Rupture of the axillary artery during dislocation of the shoulder] Olivier C, et al. J Chir (Paris) 101:5-9, Jan 71 (Fre)
[Traumatic injuries of the brachial plexus in the infra-clavicular region] Allende BT. Rev Chir Orthop 57:131-44, Mar 71 (Fre)
[Endoprosthetic substitution of the proximal end of the humerus in fracture-luxation of the shoulder (report of 2 cases)] Monteleone M. Chir Organi Mov 57:404-11, Jun 69 (Ita)
[2 cases of rupture of the subclavian and axillary arterial region in traumatic lesions of the shoulder] Trinchi E, et al. Fracastoro 62:199-206, Mar-Apr 69 (Ita)
[Open fracture of the humerus with luxation of the shoulder joint complicated by acute ischemia of the limb] Portych L, et al. Pol Tyg Lek 26:102-3, 18 Jan 71 (Pol)

CONGENITAL

[Congenital anterior luxation of the shoulder] Angeletti P. Arch Putti Chir Organi Mov 25:146-55, 1970 (Ita)

ETIOLOGY

Subluxation of the glenohumeral joint in hemiplegia. Chaco J, et al. Am J Phys Med 50:139-43, Jun 71
Changes in the sternoclavicular joint following radical neck dissection. Gorman JB, et al. Am J Roentgenol Radium Ther Nucl Med 111:584-7, Mar 71
Inveterate explosion fracture dislocation of the neuropathic shoulder joint. Kestler OC. Bull Hosp Joint Dis 32:63-72, Apr 71
[On acromioclavicular luxation] Ciaramella G, et al. Minerva Ortop 21:253-8, Mar 70 (Ita)
[Antero-inferior dislocation of the shoulder joint in obstetric paralysis secondary to continuous immobilization] Peixinho M, et al. Rev Hosp Clin Fac Med Sao Paulo 26:49-54, Apr 71 (Por)

HISTORY

Reduction of a dislocated joint. Artist unknown. Early- to mid-nineteenth century New Haven, Yale Medical Library, Clements C. Fry Collection. Menden JF. J Hist Med 26:204, Apr 71

PATHOLOGY

[Pathological anatomy and therapy of fracture-dislocations of the shoulder] Suire P, et al. Chirurgie 96:918-28, 18 Nov 70 (Fre)

PREVENTION & CONTROL

A sling to prevent a subluxed shoulder. DeVore GL. Am J Occup Ther 24:580-1, Nov-Dec 70

RADIOGRAPHY

Recurrent dislocation of the shoulder with an intracapsular liphaemarthrosis. Westonw]. Australas Radiol 15:52-4, Feb 71
Humeral torsion in recurrent shoulder dislocations. A technic of determination by X-ray. Debevoise NT, et al. Clin Orthop 76:87-93, May 71
Dislocation of the shoulder: x-ray signs. Goldstone RA. N Engl J Med 283:1113, 12 Nov 70
Dislocation of the shoulder: x-ray signs. Pear BL. N Engl J Med 283:1113, 12 Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Dislocation of the shoulder: x-ray signs. Rothermel JE. N Engl J Med 283:1113, 12 Nov 70
Inferior subluxation of the humeral head: the drooping shoulder. Laskin RS, et al. Radiology 98:585-6, Mar 71

REHABILITATION

Rehabilitation following onstruction of the shoulder joint. Whittakervb. Physiotherapy 57:14-6, Jan 71

SURGERY

Recurrent dislocation of the shoulder treated by transposition of the tendon to pectoralis minor. A follow-up of fifteen patients. Weber-Laumann A. Acta Orthop Scand 41:161-4, 1970
A modified Bristow operation for anterior recurrent dislocation of the shoulder. May VR Jr. J Bone Joint Surg [Am] 52:1010-6, Jul 70
Surgical repair of complete acromioclavicular separation. Ahstrom JP Jr. JAMA 217:785-9, 9 Aug 71
[Habitual dislocation. A study of the results of a surgical technic] Hussen FA van, et al. Ned Tijdschr Geneeskd 115:12-5, 2 Jan 71 (Dut)
[Complete acromioclavicular luxation. 8 surgically treated cases] Dupont M, et al. Acta Orthop Belg 37:141-55, Mar-Apr 71 (Fre)
[Pathological anatomy and therapy of fracture-dislocations of the shoulder] Suire P, et al. Chirurgie 96:918-28, 18 Nov 70 (Fre)
[Results of the operative treatment of habitual shoulder dislocation based on the Eden-Hybinette method] Apel J. Beitr Orthop Traumatol 16:662-8, Nov 69 (Ger)
[Articular mechanics in recidive shoulder luxation before and after surgical treatment] Höhle KD, et al. Monatsschr Unfallheilkd 72:205-11, May 69 (Ger)
[The treatment of shoulder joint dislocations] Schwier V. Monatsschr Unfallheilkd 72:532-5, Dec 69 (Ger)
[Unusual complication following use of Kirschner wires for treatment of sternoclavicular dislocation] Straube K, et al. Monatsschr Unfallheilkd 74:325-9, 1971 (Ger)
[Surgical treatment of clavicle fracture and dislocation of acromioclavicular joint] Itami Y, et al. Shujutsu 25:750-64, Jun 71 (Jap)
[Surgical therapy of habitual posterior shoulder luxation ad modum Eden-Hybinette] Skogland LB. Nord Med 85:94, 21 Jan 71 (Nor)
[Surgical treatment in fracture-dislocation of the shoulder] Depiński K, et al. Chir Narzadow Ruchu Ortop Pol 36:277-80, 1971 (Pol)
[The Nicola procedure in the treatment of the recurrent forward shoulder dislocation] Pizio Z, et al. Chir Narzadow Ruchu Ortop Pol 35:729-34, 1970 (Pol)
[Surgery in habitual dislocation of the shoulder] Krasnov AF. Khirurgiia (Mosk) 46:85-9, Sep 70 (Rus)
[Modification of Henderson's operation in recurrent luxation of the shoulder] Volkov VS, et al. Vestn Khir 105:129, Oct 70 (Rus)

THERAPY

Trauma rounds, Montreal General Hospital. Fractured lumbar vertebra (case P76). Can Med Assoc J 104:805-7, 3 Apr 71
The clavicular joints. Barrett J. Physiotherapy 57:268-9, 10 Jun 71
Treatment and after-re for dislocation of the shoulder. London PS. Physiotherapy 57:2-6, Jan 71
[Treatment of luxation of the shoulder] Pieters G, et al. Acta Chir Belg 70:53-6, Jan 71 (Fre)
[Treatment of acromio-clavicular dislocation] Zimmermann H. Arch Orthop Unfallchir 69:60-7, 1970 (Ger)
[The late functional effect following shoulder joint dislocation] Diedert G, et al. Monatsschr Unfallheilkd 74:291-8, Jun 71 (Ger)
[The conservative treatment of retrosternal clavicular luxation] Felder K, et al. Monatsschr Unfallheilkd 72:76-80, Feb 69 (Ger)
[Conservative treatment of neglected shoulder dislocation] Schüler W. Monatsschr Unfallheilkd 72:34-7, Jan 69 (Ger)
[Our experience in the treatment of acromio-clavicular luxation] Ranieri L. Minerva Ortop 21:531-8, Oct 70 (Ita)
[A case of irreducible traumatic dislocation of the shoulder joint] Lukasik S, et al. Chir Narzadow Ruchu Ortop Pol 36:25-8, 1971 (Pol)
[Reduction of a dislocated shoulder] Akhriev KhR, et al. Khirurgiia (Mosk) 22:137-9, Apr 69 (Rus)
[Dislocation of the shoulder and its treatment] Drobotun VIa. Klin Khir 2:45-8, Feb 71 (Rus)
[Prevention of complications in the treatment of shoulder dislocation] Kuznetsov EP. Vestn Khir 104:68-71, Mar 70 (Rus)

VETERINARY

Reefing of the shoulder joint. A technic to surgically restore the integrity of a luxated scapulohumeral articulation in the dog. Lippincott CL. Vet Med Small Anim Clin 66:695-702, Jul 71

SHOULDER FRACTURES (C14)

[Results of stable osteosynthesis in clavicular fractures] Engel W. Chirurg 41:234-5, May 70 (Ger)
[On a case of fracture of the inferior angle of the scapula with atypical dislocation of the fragment] Asquasciati G. Minerva Ortop 20:22-4, Jan-Feb 69 (Ita)
[Osteosynthesis with screw nails in clavicular fractures] Ghisellini F. Minerva Ortop 21:446-51, Jun-Jul 70 (Ita)
[The "clasp" in osteosynthesis in clavicular fractures. Advantages, method of operation, biomechanical principles, improvement and considerations on 350 cases] Peresson A. Minerva Ortop 21:270-84, Mar 70 (Ita)
[Treatment of fractures of the clavicle with nailing. Case studies and indications] Castelli D, et al. Osp Ital Chir 22:247-53, May-Jun 70 (Ita)
[Clavicular fracture of the newborn infant] Shimada N. Sanfujinka Jissai 19:1163-9, Nov 70 (Jap)

COMPLICATIONS

Fractured neck of the humerus with separation and dislocation of the humeral head. (Fracture-dislocation of the shoulder, severe type). Gold AM. Bull Hosp Joint Dis 32:87-99, Apr 71
Brachial plexus compression by excessive callus formation secondary to a fractured clavicle. A case report. Enker SH, et al. Mt Sinai J Med NY 37:678-82, Nov-Dec 70
[Dislocation fractures of the shoulder] Beek HM van. Ned Tijdschr Geneeskd 114:2157-8, 19 Dec 70 (Dut)
[Traumatic injuries of the brachial plexus in the infra-clavicular region] Allende BT. Rev Chir Orthop 57:131-44, Mar 71 (Fre)
[Rare complications of scapular spine injuries] Gördes W, et al. Arch Orthop Unfallchir 68:315-24, 1970 (Ger)
[Endoprosthetic substitution of the proximal end of the humerus in fracture-luxation of the shoulder (report of 2 cases)] Monteleone M. Chir Organi Mov 57:404-11, Jun 69 (Ita)
[2 cases of rupture of the subclavian and axillary arterial region in traumatic lesions of the shoulder] Trinchi E, et al. Fracastoro 62:199-206, Mar-Apr 69 (Ita)
[The surgeon's tactics in craniocerebral trauma combined with injury to the extremities] Fraerman AP, et al. Ortop Travmatol Protez 32:14-9, Jan 71 (Rus)

ETIOLOGY

Inveterate explosion fracture dislocation of the neuropathic shoulder joint. Kestler OC. Bull Hosp Joint Dis 32:63-72, Apr 71

OCCURRENCE

[Proximal humeral fractures] Schmitz JE. Monatsschr Unfallheilkd 72:119-24, Mar 69 (Ger)

PATHOLOGY

[Pathological anatomy and therapy of fracture-dislocations of the shoulder] Suire P, et al. Chirurgie 96:918-28, 18 Nov 70 (Fre)

SURGERY

[Pathological anatomy and therapy of fracture-dislocations of the shoulder] Suire P, et al. Chirurgie 96:918-28, 18 Nov 70 (Fre)
[Surgical treatment in fracture-dislocation of the shoulder] Depiński K, et al. Chir Narzadow Ruchu Ortop Pol 36:277-80, 1971 (Pol)
[Migration of a mental pin with formation of a lung abscess] Chernobrovyĭ NP, et al. Vestn Khir 105:116-7, Aug 70 (Rus)
[Surgery of clavicular fractures] Medvedeva NI. Vestn Khir 105:115-6, Oct 70 (Rus)

THERAPY

[Active exercise therapy of clavicular fractures] Mann K. Beitr Orthop Traumatol 16:128-31, Mar 69 (Ger)

SHOULDER-HAND SYNDROME (C3)

The shoulder-hand syndrome. Cuddigan JH, et al. Physiotherapy 57:24-6, Jan 71
[Polymyalgia arteritica] Hamrin B, et al. Nord Med 84:1498, 19 Nov 70 (Swe)

COMPLICATIONS

The CRST syndrome. Slavin S, et al. Isr J Med Sci 7:738-44, Jun 71
[Shoulder-hand syndrome in coronary disease] Colaković B. Med Pregl 23:127-30, 1970 (Ser)

DRUG THERAPY

[Basic considerations on drug therapy of the cervical and lumbar syndrome in a practice] Schmücker N. Z Allgemeinmed 47:591-3, 20 Apr 71 (Ger)
[Novocaine and lidocaine blockade in diseases of autonomic origin] Rudik VP. Eksp Khir Anesteziol 15:68-70, Nov-Dec 70 (Rus)
[Acute painful shoulder syndrome] Pofar B. Reumatizam 17:128-33, 1970 (Cro)

ETIOLOGY

[Shoulder-hand syndrome in patients with pulmonary tuberculosis] Zasiavskiĭ ES. Probl Tuberk 48:84-5, 1970 (Rus)

REHABILITATION

[Rehabilitation of rheumatic patients with a shoulder-hand syndrome] Dumitru M, et al. Arch Phys Ther (Leips) 22:276-8, Sep-Oct 70 (Ger)
[Rehabilitation of rheumatic patients with shoulder-hand syndrome] Dumitru M, et al. Beitr Orthop Traumatol 17:493-5, 1970 (Ger)

THERAPY

Treatment of shoulder-hand syndrome. Combined ultrasonic application to stellate ganglion and physical medicine. Goodman CR. NY State J Med 71:559-62, 1 Mar 71
Autonomic pain in the upper limb. Ebbetts J. Physiotherapy 57:270-9, 10 Jun 71

SHOULDER JOINT (A2)

Shoulder pain: involvement of the acromioclavicular joint. (Analysis of 1,000 cases). Zanca P. Am J Roentgenol Radium Ther Nucl Med 112:493-506, Jul 71
Effect of age on the thickness of adult articular cartilage at he shoulder joint. Meachim G. Ann Rheum Dis 30:43-6, Jan 71
Ochronotic arthropathy. A review with four case reports. Laskar FH, et al. J Bone Joint Surg [Br] 52:653-66, Nov 70
Surgical repair of complete acromioclavicular separation. Ahstrom JP Jr. JAMA 217:785-9, 9 Aug 71
Modification of prostheses for shoulder disarticulations. Schottstaedt ER, et al. Phys Ther 51:405-11, Apr 71
Shoulder wheel apparatus for the home. Wickel DA. Phys Ther 51:304-5, Mar 71
Supraspinatus tendinitis. Bain AM. Physiotherapy 57:17-20, Jan 71
Physiotherapy of supraspinatus tendinitis. Brookes RB. Physiotherapy 57:21-3, Jan 71
Autonomic pain in the upper limb. Ebbetts J. Physiotherapy 57:270-9, 10 Jun 71
Treatment of the glenohumeral joint by passive movement. Maitland GD. Physiotherapy 57:261-7, 10 Jun 71
The painful shoulder due to rotatory cuff tendinitis. Macnab I. BI Med J 54:367 passim, Jul 71
Osteochondritis dissecans and epiphysitis in a young Pointer dog. Herron MR. Vet Med Small Anim Clin 65:991-3, Oct 70
[Improving the precision of diagnosis in shoulder joint lesions using the so-called painful arc technic] Pavlanský R. Fysiatr Reumatol Vestn 45:183-6, Jun 67 (Cze)
[Radiomorphology of the caisson osteoarthropathy] Horvath F, et al. J Radiol Electrol Med Nucl 51:493-8, Aug-Sep 70 (Fre)
[Surgical treatment of stiffness of the shoulder] Darcy M. Rev Rhum Mal Osteoartic 37:757-9, Nov 70 (Fre)
[Anatomoradiological study of a "rapidly destructive coxarthrosis" with omarthrosis and chondrocalcinosis] Lagier R, et al. Rev Rhum Mal Osteoartic 38:317-23, May 71 (Fre)
[Elements of biomechanics and comparative anatomy of the shoulder (approach to scapulo-humeral periarthritis caused by caul injuries)] Wellinger C. Rhumatologie 23:7-15, Jan 71 (Fre)
[A possibility for injections in the shoulder joint, articulatio humeri, of the domestic swine] Klug-Simon C, et al. Dtsch Tieraerztl Wochenschr 77:663-6, 1 Dec 70 (Ger)
[Shoulder arm syndrome, periarthritis humeroscapularis as occupational disease of a pilot?] Lob A. Monatsschr Unfallheilkd 74:47-9, Jan 71 (Ger)
[The functional disordered shoulder joint] Geiger T. Z Allgemeinmed 47:561-5, 20 Apr 71 (Ger)
[Therapeutical trends in periarthritis of the shoulder] Marchetti N. Minerva Ortop 21:508-11, Nov 70 (Ita)
[Painful pronation in children] Pedrocca A, et al. Minerva Pediatr 22:1775-80, 1 Sep 70 (Ita)
[So-called stiff and painful shoulder] Adachi N. Orthop Surg (Tokyo) 22:410-22, May 71 (Jap)
[Surgical treatment of clavicle fracture and dislocation of acromioclavicular joint] Itami Y, et al. Shujutsu 25:750-64, Jun 71 (Jap)
[A case of osteoarthropathy of the shoulder joints in syringomyelia] Kudelski J, et al. Przegl Lek 26:884-5, 1970 (Pol)
[Results of ultrasound treatment of humero-scapular

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

periarthritis] Swiraki J.
Reumatologia 9:159-63, 1971 (Pol)
[Brucellar damage to the shoulder joint] Minasian AM.
Ortop Travmatol Protez 32:41-5, Jan 71 (Rus)
[Surgical treatment of epicondylitis of the shoulder] Novikov NV, et al.
Ortop Travmatol Protez 32:45-8, Jan 71 (Rus)
[Shoulder pain] Krajcfnović J, et al.
Med Pregl 23:261-6, 1970 (Ser)

DRUG EFFECTS

[Therapy of periarthritis of the shoulder- and elbow joints with hydrocortisone and chymotrypsin] Novikov NV, et al. Klin Khir 1:43-8, Jan 70 (Rus)

SHWARTZMAN PHENOMENON (C14)

In vitro neutralization of the Shwartzman-inducing activity of endotoxins by immune serum. Végh P, et al.
Immunology 19:41-6, Jul 70
General discussion. Arthus and Shwartzman reactions.
J Dent Res 50:309-11, Mar-Apr 71
Plasma beta-lysin and lysozyme following endotoxin administration and the generalized Shwartzman reaction. Tew JG, et al.
Proc Soc Exp Biol Med 136:473-8, Feb 71
Effect of anticoagulating and non-anticoagulating concentrations of heparin on the generalized Shwartzman reaction. Corrigan JJ Jr.
Thromb Diath Haemorrh 24:136-45, 31 Oct 70
[Toxi-infectious shock. Shwartzman phenomenon] Lambotte R. Rev Med Liege 26:33-8, 1 Jan 71 (Fre)
[Disseminated intravascular coagulation syndromes] Santos CB dos.
Rev Bras Anestesiol 20:543-62, Oct-Dec 70 (Por)

CHEMICALLY INDUCED

[Generalized Shwartzman phenomenon in response to administration of ascaris tissue extracts] Sapach VK.
Med Parazitol (Mosk) 39:201-5, Mar-Apr 70 (Rus)

COMPLICATIONS

Pneumococcal sepsis with generalised Shwartzman reaction. Cronberg S, et al.
Acta Med Scand 188:293-9, Oct 70
[Bilateral renal cortical necrosis and general Schwartzman reaction. Literature review and case presentation] Orbeck H.
Tidsskr Nor Laegeforen 91:1222-5, 10 Jun 71 (Nor)

DIAGNOSIS

The generalised Shwartzman reaction as a forensic problem. Giertsen JC. Med Sci Law 10:42-4, Jan 70

DRUG THERAPY

Modification of the generalized Shwartzman reaction by therapeutic agents. Nasu K, et al.
Am J Obstet Gynecol 109:991-6, 1 Apr 71

ETIOLOGY

Vascular lesions: possible pathogenetic basis of the generalized Shwartzman reaction. Gaynor E, et al.
Science 170:986-8, 27 Nov 70
[Sanarelli-Shwartzman phenomenon in febrile abortion] Hübschen K, et al.
Zentralbl Gynaekol 93:200-4, 6 Feb 71 (Ger)
[The role of fibrinolysis and the reticuloendothelial system in the pathogenesis of the Shwartzman phenomenon in rats] Tokarev OIu, et al.
Patol Fiziol Eksp Ter 14:66-8, Nov-Dec 70 (Rus)

IMMUNOLOGY

[Immunofluorescence studies in Shwartzman's phenomenon] Jablonska S, et al.
Arch Belg Dermatol Syphiligr 26:363-78, Jul-Sep 70 (Fre)

PATHOLOGY

Changes in skin innervation in the course of Arthus and Shwartzman phenomena in rabbit. Lukasiak B, et al.
Pol Med J 9:1252-7, 1970
Studies on cortical necrosis in rabbit renal homografts. Klassen J, et al. Transplantation 11:35-44, Jan 71
[A case of necrozing enterocolitis (possible digestive localization of Shwartzman-Sanarelli syndrome)] Bourreille J, et al.
Sem Hop Paris 46:2962-5, 26 Nov 70 (Fre)

PHYSIOPATHOLOGY

[Intravital changes of the microcirculation in Shwartzman-Sanarelli-phenomenon] Roiffs J, et al.
Arch Kreislaufforsch 62:194-222, Aug 70 (Ger)
[Microscopic changes of mesenteric capillaries in the Schwartzmann-Sanarelli-phenomenon and in endotoxic shock] Schönbach G, et al.
Langenbecks Arch Chir 322:1198-203, 1968 (Ger)

SIALADENITIS see under SALIVARY GLAND

DISEASES (C4)

SIALIC ACIDS see under NEURAMINIC ACIDS

(D11)

SIALIDASE see NEURAMINIDASE (D9)

SIALOGRAPHY (E1, E6)

Sialography of the sublingual gland. A modified technique enabling subtraction. Liliequist B, et al.
Acta Radiol [Diagn] (Stockh) 10:187-92, May 70
Intraductal anesthesia of salivary glands. Quinn JH.
J Oral Surg 29:230-1, Mar 71
Subtraction sialography: an improved and simplified technique. Buchignani JS, et al.
Oral Surg 37:828-30, Jun 71
The role of sialography in extraparotid disease. Mandel L, et al. Oral Surg 31:164-73, Feb 71
Radiologic diagnosis of salivary gland tumors. Meine FJ, et al.
Radiol Clin North Am 8:475-85, Dec 70 (23 ref.)
[Sialography using Seldinger's technic for the probing of salivary ducts] Darmo V, et al.
Cesk Radiol 24:262-4, Nov 70 (Cze)
[Sialography in inflammatory and neoplastic diseases of the salivary glands in children] Vichi GF, et al.
Ann Radiol (Paris) 14:481-90, May-Jun 71 (Fre)
[Sialographicaly detectable parotid gland changes in mucoviscidosis and cytomegaly] Krepler P.
Arch Kinderheilkd 182:247-58, 1971 (Ger)
[Importance of sialography for the prevention of facial nerve lesions in the surgery of extensive parotid gland processes] Krč C, et al.
Dtsch Stomatol 21:21-8, Jan 71 (Ger)
[Anastomosis of the main excretory duct of the submandibular gland with the main excretory duct of the parotid gland] Cerný L, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:389-90, Sep 70 (Ger)
[Sialography using a new contrast medium] Braband H, et al. Roentgenpraxis 24:45-8, Feb 71 (Ger)
[Radiological technic for better visualization of the parotid structures] Caroggio A, et al.
Arcisp S Anna Ferrara 22:719-24, 1969 (Ita)
[On the association of thermographic, scintigraphic and sialographic study in the pathology of the salivary gland] Chiesa A, et al. Chir Ital 20:952-75, Oct 68 (Ita)
[Submandibular sialography (technical note)] Romano GL. Nunt Radiol Suppl 1:124+, 1968 (Ita)
[Sialography of the submandibular gland (critical considerations and case reports)] Romano GL. Nunt Radiol Suppl 1:104+, 1968 (Ita)
[Parotidography (considerations and case reports)] Romano GL. Nunt Radiol Suppl 1:180+, 1968 (Ita)
[Roentgenologic studies of diseases of submandibular salivary glands] Akhmedov BP, et al.
Stomatologiia (Mosk) 50:79-80, Jan-Feb 71 (Rus)
[Modification of the method of contrast examination of the submaxillary salivary glands (pneumosubmandibulography)] Mochul'skiĭ AS, et al.
Vestn Rentgenol Radiol 45:77-81, Jan-Feb 70 (Rus)
[Sialography in Sjogren's syndrome] Martínez Martínez RA, et al. Rev Invest Clin 22:171-6, Apr-Jun 70 (Spa)

ADVERSE EFFECTS

[2 cases of allergic reaction after sialography] Dřízhal I, et al. Cesk Stomatol 71:166-9, May 71 (Cze)
[Late irradiation damages in the retromandibular region after carotid angiography and after sialography with Thorotrast] Manzke E.
Z Laryngol Rhinol Otol 50:33-40, Jan 71 (Ger)

INSTRUMENTATION

[Isobaric sialography] Sazama L.
Cesk Stomatol 71:28-31, Jan 71 (Cze)

SIALOLITHIASIS see SALIVARY DUCT CALCULI

(C4)

SIALORRHEA see under SALIVARY GLAND

DISEASES (C4)

SIBLING RELATIONS (F1)

The application of an index to determine genetic and environmental contributions to dentofacial growth in twins and siblings. Hayes RC.
Am J Orthod 60:418-9, Oct 71
Sibship size and mental illness. Birtchnell J.
Br J Psychiatry 117:303-8, Sep 70
Sex ratios of half-sibs of male homosexuals. James WH.
Br J Psychiatry 118:93-4, Jan 71
Motherhood and childlessness in monozygous twins. I. Early relationships. Kalj L, et al.
Br J Psychiatry 118:11-2, Jan 71
Preventive therapy with siblings of a dying child. Feinberg D.
J Am Acad Child Psychiatry 9:644-68, Oct 70
Social schemata of emotionally disturbed boys and their male siblings. DuHamel TR, et al.
J Consult Clin Psychol 36:281-5, Apr 71
Ordinal position, sex of sibling, sex, and personal preferences in a group of eighteen-year-olds. Oberlander MI, et al.
J Consult Clin Psychol 35:122-5, Aug 70
Family adaptation to child with cystic fibrosis. Meuwissen HJ. J Pediatr 78:548-9, Mar 71
Family relations test responses of disturbed and normal boys: additional comparative data. Kauffman JM. J Pers Assess 35:128-38, Apr 71
Sibling-sex-status and ordinal position effects on females' sport participation and interests. Landers DM. J Soc Psychol 80:247-8, Apr 70
Intelligence quotient pattern over age: comparisons among siblings and parent-child pairs. McCall RB.
Science 170:644-8, 6 Nov 70
[The hospitalized fraternal pair: study of family relations] Lapierre YD, et al.
Laval Med 41:500-5, Apr 70 (Fre)

SICK ROLE (F1)

see also related
ATTITUDE TO HEALTH (F1, N1)

A social systems approach to deviant behavior. Davidites RM. Am J Nurs 71:1588-9, Aug 71
Disability and deviance: normative adaptations of role behavior. Haber LD, et al.
Am Sociol Rev 36:87-97, Feb 71
Factors in behavioral responses to impairments. Meivin JL, et al. Arch Phys Med Rehabil 51:552-7, Sep 70
The dispensary syndrome in Australian Aborigines: origins of their bodily preoccupation and sick role behaviour. Bianchi GN, et al.
Br J Med Psychol 43:375-82, Dec 70
Illness and the sick role: an evaluation in three communities. Butler JR. Br J Sociol 21:241-61, Sep 70
Upper middle class adult expectations about entering the sick role for physical and psychiatric dysfunctions. Blackwell BL.
J Health Soc Behav 8:83-95, Jun 67
Alcoholics and the sick role: assessments by social workers. Chalfant HP, et al.
J Health Soc Behav 12:66-72, Mar 71
Factors affecting the choice of medical care among university students. Franklin BJ, et al.
J Health Soc Behav 11:311-9, Dec 70
Illness, illness behavior and socioeconomic status. McBroom WH. J Health Soc Behav 11:319-26, Dec 70
Machiavellianism and manipulation in the mental patient role. Fontana AF. J Pers 39:252-63, Jun 71
Illness in relation to life situation and sick-role tendency. Thurlow HJ.
J Psychosom Res 15:73-88, Mar 71
Beliefs about disease and alcoholism. Blizard PJ.
Ment Hyg 55:184-9, Apr 71
Abnormal illness behaviour. The assessment. Pilowsky I. Minn Med 54:413-6, Jun 71
Illness-sustaining role prescriptions. Copp LA.
Nurs Forum 10:36-48, 1971
Self-destructive behavior of uncooperative diabetics. Farberow NL, et al. Psychol Rep 27:935-46, Dec 70
A denotative dimension of meaning for the mentally ill-healthy role in society. Noe FP.
Psychol Rep 26:519-31, Apr 70
Magnitude of life events and seriousness of illness. Wyler AR, et al. Psychosom Med 33:115-22, Mar-Apr 71
Chronic schizophrenia and the medical culture. Foudraine J. Psychother Psychosom 17:133-52, 1969
Assessing the views of the dying. Hinton J.
Soc Sci Med 5:37-43, Feb 71
Patient semeiology of a chronic disease. Rheumatoid arthritis. Markson EW. Soc Sci Med 5:159-67, Apr 71
Illness: deviant behaviour or conformity. Pflanz M, et al.
Soc Sci Med 4:545-53, Dec 70
Health knowledge and symptom perception: a study of a rural Kentucky county. Smith L Jr, et al.
Soc Sci Med 4:557-67, Dec 70
Latent functions of the sick role in various institutional settings. Waitzkin H. Soc Sci Med 5:45-75, Feb 71
[The dilemma of the role in the mentally sick] Frighi L.
G Psichiatr Neuropatol 98:243-6, 1970 (Ita)

SICKLE CELL TRAIT see under ANEMIA, SICKLE CELL (C9)

SICKNESS INSURANCE see under INSURANCE, HEALTH (N3)

SIDEROSIS (C5, C11, C12)

see also related
HEMOSIDEROSIS (C17)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Ocular siderosis] Bonamour G, et al.
Arch Ophtalmol (Paris) 30:625-8, Aug-Sep 70 (Fre)
[Experimental siderosis of rats caused by nutritional iron excess] Lehy T, et al.
Biol Med (Paris) 60:93-114, Jan-Feb 71 (Fre)
[Siderosis of the crystalline lens, clinical and anatomopathologic manifestations] Michiels J, et al.
Bull Soc Belge Ophtalmol 156:625-37, 1970 (Fre)
[Siderosis: some problems of its pathomechanism, diagnosis and prevention] Pazderski H, et al.
Przegl Lek 27:316-9, 1971 (Pol)

COMPLICATIONS

Shock in Bantu siderosis. Buchanan WM.
Am J Clin Pathol 55:401-6, Apr 71
The effect of siderosis and ascorbic acid depletion on bone metabolism, with special reference to osteoporosis in the Bantu. Wapnick AA, et al.
Br J Nutr 25:367-76, May 71
[Hepatic pathology of liver cirrhosis and sclerosis in patients with Cooley's disease] Beltrami CA, et al.
Riv Patol Clin Sper 10:165-77, Jul-Dec 69 (Ita)
[Essential etiology of multiple calcifications in the lungs in pneumoconiosis] Brodskif OB, et al.
Probl Tuberk 48:16-9, 1970 (Rus)

DIAGNOSIS

Storage iron and desferrioxamine. Fielding J.
Proc R Soc Med 63:1218-21, Dec 70
[Idiopathic pulmonary hemosiderosis. Report of a case] Babich I, et al.
Arch Argent Pediatr 68:56-60, 1970 (Spa)

DRUG THERAPY

[Clinical and experimental results of the treatment of some ocular diseases with desferrioxamine B] Campana G, et al.
Ann Ottalmol Clin Ocul 95:200-24, Mar 69 (Ita)
[Treatment of ocular siderosis with desferrioxamine B] Luongo E.
Ann Ottalmol Clin Ocul 94:518-30, May 68 (Ita)

ETIOLOGY

Ocular siderosis: an unsuspected case. Anderson DM.
Can J Ophthalmol 6:227-9, Jul 71
[Absolute latency of a columinous intra-ocular foreign body; prognosis of local siderosis] Vérin P.
Arch Ophtalmol (Paris) 30:661-3, Aug-Sep 70 (Fre)
[A new study of experimental siderosis in rabbits] Asseman R, et al.
Bull Soc Ophtalmol Fr 70:582-8, Apr 70 (Fre)
[2 cases of siderosis] Baron A, et al.
Bull Soc Ophtalmol Fr 69:93-5, Jan 69 (Fre)
[Ocular siderosis and undetected foreign bodies] Legrand J, et al.
Bull Soc Ophtalmol Fr 69:104-7, Jan 69 (Fre)
[Study of carbohydrate metabolism during transfusional hypersiderosis in children] Argemi B, et al. Diabete 18:233-42, Oct-Dec 70 (Fre)
[A case of metallic foreign body in the lens with siderosis and cataract] Chinaglia V, et al.
Ann Ottalmol Clin Ocul 96:465-75, Sep 70 (Ita)

METABOLISM

Ultrastructural localization of iron in the human jejunum in iron overload (Bantu siderosis). Theron JJ, et al. Br J Haematol 21:165-71, Aug 71
Some aspects of calcium metabolism in normal and osteoporotic Bantu subjects with special reference to the effects of iron overload and ascorbic acid depletion. Lynch SR, et al.
S Afr J Med Sci 35:45-56, Jul 70
[Cytosiderosis and deposits of iron in the ventrolateral nucleus of the thalamus in Parkinson's disease. Clinical and experimental study] Asenjo A, et al.
Rev Neurol (Paris) 121:581-92, Dec 69 (Fre)

PATHOLOGY

Superficial siderosis of the central nervous system. Koeppen AH.
J Neuropathol Exp Neurol 30:135-6, Jan 71
[Frequency and entity of hepatic siderosis at different ages] Collesi C.
Arch De Vecchi Anat Patol 55:121-6, Jun 69 (Ita)
[Morphological characteristics of bronchitis in siderosilicosis] Doroshenko VV.
Gig Tr Prof Zabol 15:57-9, Jan 71 (Rus)

SIGMOID (A3)

Perforated sigmoid diverticulitis. Appraisal of primary versus delayed resection. Miller DW Jr, et al.
Am J Surg 121:536-40, May 71
Sigmoid volvulus. An examination of the mortality. String ST, et al. Am J Surg 121:293-7, Mar 71
Alimentary complications of non-malignant retroperitoneal fibrosis. Mitchell RJ.
Br J Surg 58:254-6, Apr 71
Volvulus of the sigmoid colon or the saving of George. (Mavros P). Cent Afr J Med 16:213-5, Sep 70
Changing ocepts of diverticular disease of the colon. Jacobs E. Dis Colon Rectum 14:29-31, Jan-Feb 71
A solitary submucosal cyst in the sigmoid colon: report of a case. Smith DL, et al.
Dis Colon Rectum 13:454-5, Nov-Dec 70
Herniation of sigmoid volvulus through transverse mesocolon. Lee JO. East Afr Med J 47:484-6, Sep 70
Ischemic colitis. A case report. Chandrasekhara R, et al.
Ill Med J 139:266-9, Mar 71
Volvulus of the sigmoid colon. Agrawal RL, et al.
Int Surg 55:49-56, Jan 71
Severe rectal bleeding from an intramural hematoma of the sigmoid. Schiller M, et al.
Pediatrics 48:146-8, Jul 71
The diagnosis and management of sigmoid intussusception in infancy. Mayell MJ.
S Afr J Surg 8:35-41, 1970
Surgical treatment of acute perforative sigmoid diverticulitis. Watkins GL, et al.
Surgery 69:215-9, Feb 71
Maternal mortality following spontaneous rupture of the sigmoid colon. Volk GE, et al.
Va Med Mon 98:258-61, May 71
[Idiopathic muscular stricture of the rectosigmoid] Kerremans R, et al.
Tijdschr Gastroenterol 13:439-48, 1970 (Dut)
[A case of sigmoido-urethral fistula] Schulman CC.
Acta Urol Belg 37:426-30, 1969 (Fre)
[Diagnosis and treatment of sigmoid diverticulosis and diverticular sigmoiditis] Debray C, et al.
Cah Coll Med Hop Paris 10:689-94, 30 Jun 69 (Fre)
[Treatment of acute sigmoiditis] Arnulf G.
Lyon Chir 67:85-6, Jan-Feb 71 (Fre)
[Surgical treatment of 23 cases of sigmoiditis] Beyssac L, et al. Lyon Chir 66:450, Nov-Dec 70 (Fre)
[Volvulus of the small intestine, necrosis of the sigmoid and term pregnancy] Ficini R.
Maroc Med 50:732-5, Dec 70 (Fre)
[Rectal and sigmoid polyps] Maffioli C, et al.
Maroc Med 50:146-52, Mar 70 (Fre)
[Chronic sigmoid volvulus] Ranger L, et al.
Union Med Can 99:863-7, Apr 70 (Fre)
[Ischemic colitis in chronic recurrent sigmoid volvulus] Hermanek P, et al.
Chirurg 42:27-30, Jan 71 (Ger)
[A clinical case of anovaginal atresia] Heilmann L.
Zentralbl Gynaekol 92:998-1001, 1 Aug 70 (Ger)
[Clinical considerations on 2 cases of sigmoido-vesical fistula] Brunetti A.
Arch Ital Urol Nefrol 43:17-28, 1970 (Ita)
[On a case of acute diverticulitis of the sigmoid simulating uterine perforation] Rotondi M.
Rass Int Clin Ter 50:533-7, 15 May 70 (Ita)
[Rectoromanoscopy in the diagnosis and treatment of sigmoid volvulus] Belkaniia SP.
Vestn Khir 105:62-6, Sep 70 (Rus)
[Acute abdomen as a result of diverticulosis of the sigmoid] Miyar Gonzalez A.
Rev Esp Enferm Apar Dig 31:601-6, 15 Jun 70 (Spa)

ABNORMALITIES

Spigelian hernia and a "redundant" sigmoid colon. Lovell SH. Med J Aust 1:499, 27 Feb 71
[Case of intestinal occlusion caused by posterior inter-hepato-diaphragmatic interposition of the sigmoid colon] Seror J, et al.
Arch Fr Mal App Dig 59:826, Dec 70 (Fre)
[Surgical correction of a developmental defect manifested following delivery] Pataky Z, et al.
Orv Hetil 112:563-5, 7 Mar 71 (Hun)
[Dolichosigmoid and dolichocolon in children and their treatment] Kushch NL.
Pediatriia 49:22-6, Nov 70 (Rus)

INJURIES

[Rupture of the sigmoid caused by injection of compressed air into the anus] Scarabelli L, et al.
Minerva Chir 26:639-45, 30 Jun 71 (Ita)

INNERVATION

[The effect of stimulating the interoceptors of the ileocecal region on the motoricity of the large intestine] Vorob'eva NM.
Biull Eksp Biol Med 65:13-6, 1968 (Rus)

PATHOLOGY

Pathology of diverticular disease of the colon. Paulino F, et al. Surgery 69:63-9, Jan 71
[Cysts of greater omentum and fatty processes of the sigmoid in children] Prisiuda AIa, et al.
Pediatr Akush Ginekol 5:29-30, Sep-Oct 70 (Ukr)

PHYSIOPATHOLOGY

Electrical potentials of the sigmoid colon and rectum in irritable bowel syndrome and ulcerative colitis. Edmonds CJ. Gut 11:867-74, Oct 70

RADIOGRAPHY

Unravelling the tangled sigmoid. Routine angulation of the tube in the detection of occult lesions. Perl T, et al.
Am J Roentgenol Radium Ther Nucl Med 110:399-405, Oct 70
Giant diverticulum of the sigmoid colon. Swann JC, et al. Br J Radiol 44:551-3, Jul 71
Spigelian hernia and a "redundant" sigmoid colon. Oen EY. Med J Aust 1:329-31, 6 Feb 71
[Radiologic diagnosis of pseudo-tumoral sigmoiditis] Tavernier C, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:389+, May 69 (Fre)
[Radiography of sigmoid colon perforations] Fröhlich G, et al. Radiologe 11:260-3, Jul 71 (Ger)

SURGERY

Sigmoid myotomy in treatment of diverticular disease of the colon. Jackson PP. Am Surg 36:607-9, Oct 70
Ileosigmoid knotting. Vaez-Zadeh K, et al.
Ann Surg 172:1027-33, Dec 70
Ureterosigmoidostomy and neoplasms of the colon. Report of a case and review of the literature. Haney MJ, et al. Arch Surg 103:69-72, Jul 71
The management of gangrenous sigmoid volvulus. Neely J. Br J Surg 57:670-2, Sep 70
Recurrence of high intracolonic pressure following sigmoid myotomy. Prasad JK, et al.
Br J Surg 58:304, Apr 71
Pull-through operation for radiation-induced rectovaginal fistula: report of a case. Thomford NR, et al. Dis Colon Rectum 13:451-3, Nov-Dec 70
Carcinoma of the colon following ureterosigmoidostomy: report of a case. Oetjen LH Jr, et al. J Urol 104:536-7, Oct 70
[Surgical treatment of sigmoiditis. Results. Indications. Apropos of 45 cases] Peycelon R, et al.
Ann Chir 24:1159-64, Oct 70 (Fre)
[Surgical indications in treatment of sigmoid diverticulosis complications] Lagache G.
Cah Coll Med Hop Paris 10:695-9, 30 Jun 69 (Fre)
[The surgical treatment of sigmoiditis (17 operations)] Goinard P, et al. Experientia 27:357-8, 15 Jan 71 (Fre)
[The surgical treatment of sigmoiditis (24 cases)] Meley J, et al. Experientia 27:358-9, 15 Jan 71 (Fre)
[Homogeneous statistics of 13 case of severe sigmoiditis] Francillon J, et al.
Lyon Chir 66:346-9, Sep-Oct 70 (Fre)
[The surgical treatment of sigmoiditis] Maillet P, et al.
Lyon Chir 66:353-5, Sep-Oct 70 (Fre)
[Sigmoiditis (23 cases)] Pouyet M, et al.
Lyon Chir 66:356-7, Sep-Oct 70 (Fre)
[18 cases of sigmoiditis treated by surgery] Saubier EC, et al. Lyon Chir 66:349-53, Sep-Oct 70 (Fre)
[Sigmoid myotomy in diverticulosis] Smith A, et al.
Presse Med 78:2142-3, 14 Nov 70 (Fre)
[Experiences with ureterosigmoidostomy] Hochberg K, et al. Langenbecks Arch Chir 321:140-8, 1968 (Ger)
[Surgical experiences with a modified ureterosigmoidostomy. (Evaluation of 152 surgical treatments)] Warbosch G, et al.
Urologe 10:107-10, May 71 (Ger)
[Pregnancy and delivery after uterosigmoidostomy] Zeffer J, et al. Z Urol Nephrol 62:597-9, 1969 (Ger)
[Possibilities of formation of sigmoid neovagina during pelvic evisceration] Candiani GB, et al.
Ann Ostet Ginecol 91:541-52, Aug 70 (Ita)
[Histochemical changes in the rectal mucosa after ureterosigmoidostomy] Sommo G, et al.
Pathologica 59:447-50, Nov-Dec 67 (Ita)
[Sigmoid-cystoplasty in tuberculous contraction of the bladder] Takayasu H, et al.
Shujutsu 25:411-7, Apr 71 (Jap)
[Remote results of transplantation of the ureters to the intestine in vesicovaginal fistula] Abalmasov GM, et al. Akush Ginekol (Mosk) 46:72-4, Oct 70 (Rus)
[Ways to improve the results of ureterosigmoidostomy] Polianichko MF.
Klin Khir 7:22-5, Jul 70 (Rus)

TRANSPLANTATION

Bladder regeneration following serosal colocystoplasty. Koontz WW Jr, et al.
Invest Urol 8:170-6, Sep 70
[Sigmoid vagina: technics and results] Zingl A.
Wien Klin Wochenschr 82:561-2, 31 Jul 70 (Ger)

SIGMOID NEOPLASMS (C2)

Rectosigmoidal polyadenomas: predestination or malignant transformation (degeneration). Potet F, et al. Am J Proctol 22:182-3, Jun 71
Ganglioneuromatosis of the sigmoid colon. Munro KM.
Br J Surg 58:250-2, May 71
Carcinoma of the colon following ureterosigmoidostomy: report of a case. Oetjen LH Jr, et al. J Urol 104:536-7, Oct 70
[Intestinal endometriosis] Lent D van.
Ned Tijdschr Geneeskd 115:1375-8, 14 Aug 71 (Dut)
[Malignant lymphomas invading the rectum: report of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

three cases--including a case of Brill-Symmers disease--starting from the rectosigmoid loop] Paulet P, et al.
Acta Gastroenterol Belg 32:684-93, Sep 69 (Fre)
[Rectosigmoid hypersecreting villous tumors. (Apropos of 2 cases)] Guénin P, et al.
Ann Chir 25:453-62, May 71 (Fre)
[Treatment of metastases to the liver in the course of sigmoid and rectal cancer] Mayza J, et al.
Pol Tyg Lek 25:1748-50, 16 Nov 70 (Pol)

COMPLICATIONS

Adenocarcinoma of the colon associated with severe hypokalemia: report of a case. McCabe RE, et al.
Ann Surg 172:970-4, Dec 70
Malignant acanthosis nigricans. Curth HO.
Arch Dermatol 102:479-81, Oct 70
Endometriosis of the sigmoid colon. Massive intramural hematoma. Wynn TE. Arch Pathol 92:24-7, Jul 71
Colitis cystica profunda concurrent with and differentiated from mucinous adenocarcinoma: report of a case. Burt CA, et al.
Dis Colon Rectum 13:460-9, Nov-Dec 70
Colonic tuberculosis with carcinoma. Barson AJ, et al.
J Pathol 101:289-92, Jul 70
[Endometriosis of the sigmoid with secondary intestinal obstruction] Dallavalle R.
Atti Accad Med Lomb 23:275-82, Apr-Jun 68 (Ita)
[Case of a so-called benign lymphoid polyp of the rectum associated to carcinoma of the sigmoid] Magaldi R, et al.
Osp Ital Chir 22:177-82, Mar-Apr 70 (Ita)

DIAGNOSIS

The diagnosis of intracardiac metastasis of colon carcinoma by radioisotopic and roentgenographic studies. Steiner RM, et al.
Am J Cardiol 26:300-4, Sep 70
[2 extragenital endometriomas] Espinassouze G, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:403-4, Sep-Oct 70 (Fre)
[Diagnostic and therapeutic difficulties in cases of multiple carcinoma of rectosigmoid] Zurakowski W, et al. Pol Przegl Chir 43:211-5, Feb 71 (Pol)
[Differential diagnosis of rectal and sigmoid cancer and acute dysentery and entercolitis] Petrov VP.
Klin Med (Mosk) 48:111-4, Oct 70 (Rus)
[Rectal-sigmoid endometriosis. Apropos of 3 cases] Garcia Diaz S, et al.
Rev Esp Enferm Apar Dig 33:401-14, 15 Feb 71 (Spa)
[1st experiences with the flexible fibrosigmoidoscope] Lentini J, et al.
Rev Esp Enferm Apar Dig 34:25-40, 1 Apr 71 (Spa)

ETIOLOGY

Rectal reaction following radiation therapy of cervical carcinoma: particular reference to subsequent occurrence of rectal carcinoma. MacMahon CE, et al.
Ann Surg 173:284-9, Feb 71

PATHOLOGY

Smooth muscle hamartomas of the sigmoid colon: report of a case. Goldstein HB, et al.
Am J Clin Pathol 55:377-9, Mar 71
Adenoacanthoma of the sigmoid colon: report of a case. Al-Doroubi QI, et al.
Dis Colon Rectum 13:390-3, Sep-Oct 70
Colitis cystica profunda in an adenoma (adenomatous polyp): report of a case. Clark JF, et al.
Dis Colon Rectum 13:387-9, Sep-Oct 70
[On a case of villous tumor of the rectum and sigmoid developed in polyposis] Tirelli G, et al.
Minerva Gastroenterol 16:136-41, Jul-Sep 70 (Ita)

RADIOGRAPHY

Unravelling the tangled sigmoid. Routine angulation of the tube in the detection of occult lesions. Peri T, et al.
Am J Roentgenol Radium Ther Nucl Med 110:399-405, Oct 70
The angle prone projection: its value in diagnosis of low-lying lesions. Wener L.
Am J Roentgenol Radium Ther Nucl Med 110:393-8, Oct 70
Giant cyst of the sigmoid colon. Barratt JG.
Australas Radiol 15:38-40, Feb 71
Calcification of distant lymph node metastases from carcinoma of colon. Ghahremani GG, et al.
Radiology 99:85-6, Apr 71
[Recto-sigmoid hemangiomatosis] Goldlust D, et al.
J Radiol Electrol Med Nucl 52:108-11, Jan-Feb 71 (Fre)
[Villous tumor of the recto-sigmoid junction. Value of radiologic study by oblique rays] Lescut J, et al.
Sem Hop Paris 46:2627-9, 14 Oct 70 (Fre)
[Pre- and postoperative use of lymphographic findings in recto-sigmoid cancer] Oliveri M, et al.
Minerva Radiol 14:294-303, Jul-Aug 69 (Ita)

SURGERY

Carcinoma of the rectum and the rectosigmoid. A review of 729 cases. Zollinger RM, et al.
Arch Surg 102:335-8, Apr 71
Primary resection without anastomosis for carcinoma of the sigmoid colon with obstruction. Nayman J.
Aust NZ J Surg 33:223-6, Feb 64
The use of low anterior resection in the management of carcinoma of the colon and rectum. Beahrs OH.
S Afr J Surg 8:5-11, 1970
The evolution and current status of anterior resection for carcinoma of the rectum. Kurzweg FT.
South Med J 64:996-9, Aug 71
[Repercussion on the urinary apparatus of surgical treatment of rectal and rectosigmoid cancer] Schaad P. Bull Mem Soc Chir Paris 59:95-106, 1969 (Fre)
[Repercussion on the urinary apparatus of the surgical treatment of rectal and recto-sigmoid cancer] Schimmel.
Bull Mem Soc Chir Paris 59:245-51, 1969 (Fre)
[Reaction by abdominal approach (so-called anterior resection) in cancers of the upper rectum and of the recto-sigmoidian junction. Study of 114 cases] Mouchet A, et al. Chirurgie 96:805-13, 28 Oct 70 (Fre)
[Contribution to the clinical application of lasers] Mester E, et al. Lyon Chir 65:335-45, May-Jun 69 (Fre)
[Cancer of the left colonic flexure, fistulised into the bronchi, 6 years after a double cecal and sigmoid neoplastic localization] Grosdidier J, et al.
Sem Hop Paris 46:2625-6, 14 Oct 70 (Fre)
[Sigmoid carcinoma and myomatous uterus] Stamm H.
Ther Ggw 110:90-4, Jan 71 (Ger)
[Indications and results in the author's own surgical experience of recto-sigmoid neoplasms] Biancalana L.
Minerva Chir 25:1473-6, 30 Nov 70 (Ita)
[Resection of the sigmoid and rectum for cancer with an end-to-side anastomosis thru the rectal stump] Bondar' GV, et al. Klin Khir 12:31-4, Dec 70 (Rus)

SIGMOIDOSCOPY (E1)

Ethnic differences in occurrence of rectal polyposis in over 6,000 proctoscopies. Eichhorn RD, et al.
Am J Dig Dis 16:433-5, May 71
Comparative effects of diazepam and meperidine as premedication for sigmoidoscopy: a double-blind study. Loebel AS, et al. Am J Proctol 21:430-4, Dec 70
The proctologic examination--a guide. MacLeod JH.
Calif Med 114:7-11, Jan 71
Presumed transmission of salmonella by sigmoidoscope. Pearson HE, et al.
Calif Med 112:23-5, Feb 70
Diagnosis of a cholecystocolic fistula by sigmoidoscopy and serendipity. Ianacone JA, et al.
J Med Soc NJ 68:215-8, Mar 71
Routine sigmoidoscopy costs and usefulness. Weiss W.
JAMA 216:886-7, 3 May 71
[Value of systematic rectosigmoidoscopy in detection of rectal cancer] Muller CA.
Lyon Chir 65:706-12, Sep-Oct 69 (Fre)
[Evaluation of the usefulness of rectoromanoscopy in acute colitis] Szpakowicz T.
Pol Tyg Lek 26:390-2, 15 Mar 71 (Pol)

INSTRUMENTATION

Proctosigmoidoscopic photography. Jackman RJ.
Gastrointest Endosc 14:31-3, Aug 67
[1st experiences with the flexible fibrosigmoidoscope] Lentini J, et al.
Rev Esp Enferm Apar Dig 34:25-40, 1 Apr 71 (Spa)

SILAGE see under ANIMAL FEED (J)

SILICA (D1)

Platelet retention in particle-filled columns: effects of particle type, plasma proteins, and platelet reactivity.
Mason RG, et al. Am J Clin Pathol 55:49-54, Jan 71
Use of colloidal silica in density gradients to separate intact chloroplasts. Lyttleton JW.
Anal Biochem 38:277-81, Nov 70
Quso G32 extraction of labeled peptide hormones.
Martin TJ, et al. Anal Biochem 32:174-8, 15 Oct 69
The silylation of human enamel and dentine and its effect on acid dissolution. Apostolopoulos AX, et al.
Arch Oral Biol 16:233-5, Feb 71
Elution of mammalian nuclearsatellite DNA's on methylated albumin kieselguhr and hydroxyapatite chromatographic columns. Corneo G, et al.
Biochim Biophys Acta 217:249-58, 15 Oct 70
Chromatography of nucleic acids on polynucleotide-coated kieselguhr. Lin HJ.
Biochim Biophys Acta 217:232-48, 15 Oct 70
Titration of magnesium trisilicate mixture against gastric acid secretion. Williams M, et al.
Br J Anaesth 43:783-4, Aug 71
The in vitro hydroxylation of proline by silica powder.
Marasas LW, et al. Environ Res 3:212-7, Jul 70
Separation of various blood cells in colloidal silica-polyvinylpyrrolidone gradients. Pertoft H, et al.
Exp Cell Res 50:355-68, May 68
Quartz as a heat-resistant dosimeter. Fleming SJ, et al.
Health Phys 18:567-8, May 70
Comment on "Quartz as a dosimeter". McDougall DJ.
Health Phys 20:452-3, Apr 71
Digestibility of forages in vitro as affected by content of "silica". Smith GS, et al.
J Anim Sci 33:466-71, Aug 71
Quartz and graphite filament reinforced polymer composites for orthopedic surgical application.
Musikant S. J Biomed Mater Res 5:225-35, 1971
Spirometric measurements in an Egyptian portland cement factory. el-Sewefy AZ, et al.
J Egypt Med Assoc 53:179-86, 1970
Experimental chronic interstitial nephritis compared with endemic human nephropathy. Markovi ć BL, et al. J Pathol 103:35-40, Jan 71
Acetonitrile-Diatomaceous earth column for corticosteroids. Graham RE, et al.
J Pharm Sci 59:1472-6, Oct 70
Adsorption inhibition as a mechanism for the antithrombogenic activity of some drugs. I. Competetive adsorption of fibrinogen and heparin on mica. Stoner GE, et al. J Phys Chem 75:2107-11, 8 Jul 71
The use of silica gel impregnanted glass fiber sheets in plasma estriol assays. Goebelsmann U, et al.
Steroids 16:635-47, Dec 70
[Effect of quartz and quartz-containing dust on the estrus cycle in white rats] Parsadanian PA.
Zh Eksp Klin Med 7:30-2, 1967 (Arm)
[Compared dynamic of gas and ion exchanges in an experimental exsudate induced by cristobalite] Harichaux P, et al.
J Physiol (Paris) 62:Suppl 3:386-7, 1970 (Fre)
[Experimental conditions for inducing in the laboratory chronic interstitial nephritis in laboratory animals by means of natural silicates added to drinking water] Markovic B.
J Urol Nephrol (Paris) 76:695-711, Jul-Aug 70 (Fre)
[Contribution of the electron microscope to pneumoconiosis. Identification of mineral particles and study of reactions to dust] Martin JC, et al.
Poumon Coeur 25:291-7, 1969 (Fre)
[Ultrastructure of a new membrane-organelle and its function during the phagocytosis of quartz] Bruch J. Virchows Arch [Zellpathol] 6:166-82, 1970 (Ger)
[Industrial hygiene of working places for quartz-glass blowers] Henkel W, et al.
Z Gesamte Hyg 16:431-3, 1 Jun 70 (Ger)
[Spectral study of the photochemistry of flavin adsorbates. I. Adsorption on aerosil] Sirota VG, et al.
Biofizika 15:1007-13, Nov-Dec 70 (Rus)
[Significance of the various phagocytic cells for the self-cleaning of the lungs from quartz dust] Starikova SK. Biull Eksp Biol Med 68:27-9, Nov 69 (Rus)

ADMINISTRATION & DOSAGE

[Histamine, serotonin and kininogen in shock produced by intravenous injection of quartz particles in rats] Antweiler H, et al.
Int Arch Arbeitsmed 27:349-60, 1971 (Ger)
[Adhesion capacity of powders and their modification by highly dispersive silicic acid] Gstirner F, et al.
Pharmazie 25:541-4, Sep 70 (Ger)
[Experimental study on atypical mycobacteria. I. On the changes in the early stage of airborne infection with Mycobacterium kansasii in guinea pigs. The influence of BCG vaccination and intratracheal infusion of silica] Shimoide H, et al.
Kekkaku 46:13-7, Jan 71 (Jap)

ADVERSE EFFECTS

[Ochre earth. Study on pneumoconiosis due to ochre earth and film presentation] Roche AD.
Rev Tuberc Pneumol (Paris) 35:211-5, Mar 71 (Fre)
[Light- and electron microscopic studies on the reciprocity between amorphous SiO2 and tissue] Nemetschek H, et al.
Beitr Silikoseforsch 22:3-23, 1970 (Ger)
[On the effect of amorphous silica on tissue cytology at the level of the lymph nodes in guinea pigs] Barnabè R, et al. Boll Soc Ital Biol Sper 45:685-7, 31 May 69 (Ita)

ANALYSIS

Reductions of dust exposures in the slate industry. Sacharov KM, et al.
Am Ind Hyg Assoc J 32:119-22, Feb 71
The determination of quartz on personal sampler filters by x-ray diffraction. Crosby MT, et al.
Ann Occup Hyg 14:65-70, Jun 71
Emphysema and pneumoconiosis. A comparative quantitation of dust content of pneumoconiotic rodent lungs with and without emphysema. Gross P, et al. Arch Environ Health 22:194-9, Feb 71
Relationships between morphological changes and content of silica and hydroxyproline in bronchi and lungs of coal miners. Vyskočil J, et al.
Int Arch Arbeitsmed 26:157-66, 1970
Extraction of prostaglandin from AgNO3-impregnated silica gel layers for biological assay. Kunze H, et al. Naunyn Schmiedebergs Arch Pharmakol 267:390-2, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Direct x-ray diffraction quantitative analysis of quartz in industrial dust films deposited on silver membrane filters. Leroux J, et al. Occup Health Rev 21:26-34, 1970
A method for inducing unilateral silicosis in rabbits. Dale K. Scand J Resp Dis 51:118-24, 1970
[Detection of a new methylated albumin-diatomite fraction of newly synthesized DNA from mammalian cells] Probst H.
Hoppe Seylers Z Physiol Chem 352:743-7, May 71 (Ger)
[A new type of silicates] Schweinsberg H, et al.
Naturwissenschaften 58:267, May 71 (Ger)
[Application of the thermoreflection technic in the analysis of band structure of a solid state] Baizarotti A, et al. Ann Ist Super Sanita 6:62-87, 1970 (Ita)
[Criteria for the determination of maximum tolerable concentration of silica and asbestos in the air] Vigliani EC. Med Lav 60:85-9, Feb 69 (Ita)
[Several physico-chemical properties of manganese ore and quartz dust] Khubutiia VA, et al.
Gig Sanit 35:108-9, Jul 70 (Rus)
[Polezhaev's method for determining quartz in the presence of silicates] Dobreva M.
Gig Tr Prof Zabol 15:56-8, 1971 (Rus)

ANTAGONISTS & INHIBITORS

[Studies on the inhibition of the cytotoxic effect of quartz using mineral substances, with special emphasis on aluminum] Policard A, et al.
Beitr Silikoseforsch 23:3-57, Jan 71 (Fre)

BLOOD

[Behavior of silica in blood serum and in the aortic walls of subjects of various ages in health and arteriosclerosis] Mars G, et al.
G Gerontol 18:645-59, Jul 70 (Ita)

METABOLISM

Function in cows with particular reference to the clearance of silicic acid. Bailey CB.
Res Vet Sci 11:533-9, Nov 70
Effect of intravenously injected tubercle bacilli (BCG) on transport of quartz dust via the pulmonary lymphatics. An experimental study on rats. Göthe CJ.
Scand J Resp Dis [Suppl] 73:Suppl 73:1-32, 1970
Opal precipitation by marine gastropods (Mollusca). Lowenstam HA. Science 171:487-90, 5 Feb 71
[The adsorption of poly-2-vinylpyridine-N-oxide on quartz particles] Antweiler H, et al.
Beitr Silikoseforsch 23:59-90, 1971 (Ger)
[Silica release from inerals by microbial activity] Kuturova RS.
Mikrobiologiia 38:714-21, Jul-Aug 69 (Rus)

PHARMACODYNAMICS

Effect of magnesium trisilicate o the antibacterial activity of benzalkonium chloride. Yousef RT, et al.
Acta Pharm Suec 8:303-10, Jun 71
Lysosomes and the toxicity of particulate pollutants. Allison AC. Arch Intern Med 128:131-9, Jul 71 (51 ref.)

STANDARDS

Chromatography of adrenocortical steroids on silicic acid columns. Lamontagne NS, et al.
J Chromatogr 53:225-32, Dec 70

THERAPEUTIC USE

Serum magnesium levels and magnesium trisilicate therapy in labour. Aviet TA, et al.
Br J Anaesth 43:183-4, Feb 71
Protection from 7,12-dimethylbenz(a)anthracene-induced adrenal apoplexy and necrosis by Celite. Torrence JL, et al.
Endocrinology 88:790-2, Mar 71
[Verification of gerontotherapeutic effects. (Clinical experimental study on Kavaform)] Birkmayer W, et al. Munch Med Wochenschr 113:387-91, 12 Mar 71 (Ger)
[Therapeutic possibilities of a silicic mineral water in geriatrics] Mars G, et al.
Arch Sci Med (Torino) 126:956-9, Nov 69 (Ita)

TOXICITY

Effects of particles on lysosomes. Allison A.
Adv Sci 27:137-40, Dec 70
Experimental alveolar lipo-proteinosis following the inhalation of silica. Heppleston AG, et al.
J Pathol 101:293-307, Aug 70
Effect of polymeric silicic acid on guinea pig macrophages and erythrocytes, in the presence or absence of complement. Marchisio MA, et al.
Med Lav 61:211-9, Apr 70
[Studies on the mechanism of cytotoxicity of silicogenic dusts] Stalder K.
Beitr Silikoseforsch 22:237-313, 1970 (Ger)
[Influence of silicotigenic dusts on the onset of pulmonary tumors induced by 3,4-benzopyrene in rats] Novelli A, et al. Cancro 22:405-22, 1969 (Ita)
[Experimental determination of the maximum permissible concentration of lead silicate in the air of industrial premises] Lagutin AA.
Gig Sanit 35:90-1, Oct 70 (Rus)

SILICATE CEMENT (D1, D13)

Restoration of anterior teeth. McLean JW.
Ann R Coll Surg Engl 48:34-5, Jan 71
Pulpal protection by a cavity liner applied as a thin film beneath deep silicate restorations. Brännstrom M, et al. J Dent Res 50:90-5, Jan-Feb 71
The presence of bacteria in cavities filled with silicate cement and composite resin materials. Brännström M, et al. Sven Tandlak Tidskr 64:149-55, Mar 71
[Silicate and plastic materials as anterior tooth filling] Jorgensen KD.
Tandlaegebladet 75:290-7, Apr 71 (Dan)
[Clinical control of silicate cement fillings] Bock B.
Dtsch Zahnaerztl Z 26:665-71, Jun 71 (Ger)

ADVERSE EFFECTS

Influence of silicate cement restorations on gingiva. Larato DC. J Prosthet Dent 26:186-8, Aug 71
[Studies on pulp damage by silicate and silicate-phosphate cement and its prevention] Barteit I. Dtsch Zahnaerztl Z 26:620-3, Jun 71 (Ger)
[Clinical and radiological aspects after obturation with silicate of vital teeth] Gafar M, et al.
Stomatologia (Bucur) 18:33-9, Jan-Feb 71 (Rum)

ANALYSIS

Affinity of chlorhexidine to dental tissues and materials demonstrated with a histochemical staining method. Heyden G, et al.
Sven Tandlak Tidskr 64:233-8, Apr 71

PHARMACODYNAMICS

[Clinico-pathological study of pulp response produced by silico-phosphate cement restoration] Koga Y.
Shikwa Gakuho 71:910-65, Mar 71 (Jap)
[Clinico-pathological study of the pulp response of the deciduous tooth caused by silico-phosphate restoration] Sako H.
Shikwa Gakuho 71:494-534, Feb 71 (Jap)
[Clinico-pathological study of the pulp response in the deciduous tooth caused by silicate cement restoration] Yakushiji M.
Shikwa Gakuho 71:448-93, Feb 71 (Jap)

STANDARDS

Initial solubility and disintegration of dental silicate cements. A test with miniature speciments. Wilson AD, et al. Br Dent J 130:143-6, 16 Feb 71
Solubility of a silicate cement. Pulver JC, et al.
J Dent Res 49:Suppl:1530-6, Nov-Dec 70
Dimensional changes of silicate cements. Habu H, et al.
J Nihon Univ Sch Dent 12:79-86, Jun 70
Tensile strengths of selected restorative dental materials. Hannah CM, et al.
J Prosthet Dent 26:314-23, Sep 71
Sealing effectiveness of dental cements, silicates and resins as indicated by bacterial penetration. Amler MH. NY State Dent J 37:13-8, Jan 71
V. The rate of dissolution of dental silicate cement. Experiments in saliva. Eriksson SE, et al.
Odontol Revy 21:433-7, 1970
IV. The rate of dissolution of dental silicate cement. The effects of different organic acids. Eriksson SE.
Odontol Revy 21:309-18, 1970
3. The rate of dissolution of dental silicate cement. The errors of the method. Eriksson SE, et al.
Odontol Revy 21:199-206, 1970
[The silicate cement "Frontasil" in clinical studies and quality control] Paul U, et al.
Dtsch Stomatol 21:297-301, Apr 71 (Ger)
[Mechanico-physical studies of 12 stone cements on hardness, edge strength and volume constant as well as clinical follow-up studies on stone-cement fillings with reference to crack forming] Hehmann-Rümchen R. Dtsch Zahnaerztl Z 26:624-9, Jun 71 (Ger)
[Studies on the so-called solubility of dental filling cements] Köhler E.
Dtsch Zahnaerztl Z 26:640-9, Jun 71 (Ger)
[Studies of 4 silicate cements on pressure stability and solubility pertaining to F.D.I.-specification no. 5 in various powder-solution combinations] Meyer E.
Dtsch Zahnaerztl Z 26:677-84, Jun 71 (Ger)
[Studies on the cracking two silicate cements with reference to consistency, temperature, test gauge size, coverage and time] Pistorius G.
Dtsch Zahnaerztl Z 26:630-9, Jun 71 (Ger)
[Practice experience with Bio-Trey] Klinger J, et al.
ZWR 80:332-4, 25 Apr 71 (Ger)
[Preservation of silicate fillings when isolated from saliva with vaseline and wax] Remizov SM, et al.
Biull Eksp Biol Med 71:75-6, Mar-Apr 71 (Rus)
[A method of objective registration of the state of tooth filling] Segal' GI.
Biull Eksp Biol Med 71:70-1, Mar-Apr 71 (Rus)
[The clinical study of the effectiveness of filling teeth with cements] Mitina VI.
Stomatologiia (Mosk) 50:19-20, May-Jun 71 (Rus)

SILICIC ACID see under SILICA (D1)

SILICON (D1)

see also related ASBESTOS (D1)

Trimethylsilylation of amino acids. II. Gas chromatographic and structural studies on trimethylsilyl derivatives of straight chain amino acids. Bergström K, et al.
Acta Chem Scand 25:175-88, 1970
Abiological synthesis of adenosine 2'-, 3'- and 5'-monophosphates using recoiled 31P atoms obtained from the beta-decay of 31Si. Akaboshi M, et al.
Biochim Biophys Acta 238:5-7, 29 Apr 71
Mass spectrometry of nucleic acid components. Trimethylsilyl derivatives of nucleotides. Lawson AM, et al. J Am Chem Soc 93:1014-23, 24 Feb 71
Radiopaque denture base materials technic dentures. Chandler HH, et al.
J Biomed Mater Res 5:359-71, Jul 71
Trimethylsilylation of amino acids derivatization and chromatography. Gehrke CW, et al.
J Chromatogr 57:219-38, 6 May 71
Comparison of tissue-equvalent ionization chambers and silicon diodes for measuring fast neutron dose. Batchelor AL. Phys Med Biol 16:451-9, Jul 71
[Orbital injuries. Repair by silicon prosthesis] Vérin P, et al. Bull Mem Soc Fr Ophtalmol 83:390-5, 1970 (Fre)
[Preparation for abdominal roentgen examinations with Espumisan] Holstein J.
Dtsch Gesundheitsw 25:901-2, 20 Feb 70 (Ger)
[Studies of the sorptive behavior of a silicon-containing polyvinylacetate resin with reference to phenol compounds in water] Thielemann H, et al.
Z Gesamte Hyg 16:902-4, Dec 70 (Ger)
[Plastic repair of cartilage injuries. Experimental studies] Schneider PG, et al.
Z Orthop 106:507-9, Nov 70 (Ger)

ADVERSE EFFECTS

[Eye changes in rabbits following the administration of various quantities of silicon fluid into the vitreous body] Iuodkaite GIu.
Oftalmol Zh 26:98-101, 1971 (Rus)

ANALYSIS

Nuclear magnetic resonance spectroscopy of the trimethylsilyl ethers of some hydroxyphenylalkylamines. Forrest JE, et al.
J Pharm Pharmacol 22:512-7, Jul 70
Isolation and preliminary characterization of Alzheimer plaques from presenile and senile dementia. Nikaido T, et al.
Trans Am Neurol Assoc 95:47-50, 1970

BLOOD

[Content of silicon, aluminum, titanium in blood in normal pregnancy and threatened abortion] Priakhina LI.
Pediatr Akush Ginekol 1:35-7, Jan-Feb 71 (Ukr)

METABOLISM

Role of silicon in diatom metabolism. A silicon requirement for deoxyribonucleic acid synthesis in the diatom Cylindrotheca fusiformis Reimann and Lewin. Darley WM, et al. Exp Cell Res 58:334-42, Dec 69
[Influence of thyroidectomy on the intestinal absorption of silicon and blood silicon in rats] Charnot Y, et al. C R Soc Biol (Paris) 164:1732-4, 1970 (Fre)

PHARMACODYNAMICS

The effect of the clay content of some Dutch polder soils on the breakdown of organic material. Schreven A van.
Zentralbl Bakteriol [Naturwiss] 124:319-27, 1970
[Thermal changes in rabbits produced by an amorphous submicronic silicon] Bresciano E, et al.
Boll Soc Ital Biol Sper 45:1333-5, 15 Nov 69 (Ita)

THERAPEUTIC USE

[Intravitreal implantation of silicon in retinal detachment] Gindorova RA, et al.
Oftalmol Zh 26:88-91, 1971 (Rus)
[Early and late results of intravitreal administration of silicon in acute forms of retinal detachment] Muratova DI. Oftalmol Zh 26:95-8, 1971 (Rus)

TOXICITY

[Influence of the inhalation of SiO2 dust on the unspecific defense] Pfordte K, et al.
Z Gesamte Hyg 16:897-8, Dec 70 (Ger)
[Influence of some psychotropic drugs upon the action

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of morphine, dolantine and aminophenazone in white mice] Kleinrok Z, et al.
Ann Univ Mariae Curie Sklodowska [Med] 24:77-91, 1969 (Pol)

SILICONES (D13)

Long-term application of steroids enclosed in dimethyl-polysiloxane (silastic): in vitro and in vivo experiments. Schuhmann R, et al.
Acta Biol Med Ger 24:897-910, 1970
Cleaning of mercury and silicone grease contaminated glassware. Greenwood MR, et al.
Am Ind Hyg Assoc J 31:532-3, Jul-Aug 70
Reduction of extrusion and infection following episcleral silicone implants and cryopexy in retinal detachment surgery. Flindall RJ, et al.
Am J Ophthalmol 71:835-7, Apr 71
A new type of evisceration implant. Soll DB.
Am J Ophthalmol 71:763-4, Mar 71
Pulmonary support by intravenous oxygenation through capillary silicone rubber tubing. Awad JA, et al. Am J Surg 121:307-10, Mar 71
Segmental replacement of the thoracic esophagus with a Silastic prosthesis. Watanabe K, et al.
Am J Surg 121:238-40, Mar 71
Long-term intubation of the biliary tract with silastic catheters. Black HC, et al. Am Surg 37:198-202, Apr 71
The use of silastic in vascular surgery. Leek AJ van der.
Arch Chir Neerl 22:127-34, 1970
Replacement of the common bile duct by silicone rubber. Vos A. Arch Chir Neerl 22:143-53, 1970
A new suture for external silicone sponge implants. Fradin S. Arch Ophthalmol 86:58-9, Jul 71
Hematogenous dissemination of microemboli. Eye findings in a patient with Starr-Edwards aortic prosthesis. Ide CH, et al.
Arch Ophthalmol 85:614-7, May 71
Silicone sponge rejection. Early and late complications in retinal detachment surgery. Russo CE, et al.
Arch Ophthalmol 85:647-50, Jun 71
Liquid silicone impregnantion of the corneal stroma. Use in corneal transplantation. Stanley JA, et al.
Arch Ophthalmol 85:90-2, Jan 71
Anterior glottic stenosis. Experimental and clinical management. Montgomery WW, et al.
Arch Otolaryngol 92:560-7, Dec 70
Effect of liner materials on interface pressures in below-knee prostheses. Sonck WA, et al.
Arch Phys Med Rehabil 51:666-9, Nov 70
Joint lubrication with artificial lubricants. Radin EL, et al. Arthritis Rheum 14:126-9, Jan-Feb 71
Silastic spacers in tendon grafting. Meulen JC van der.
Br J Plast Surg 24:166-73, Apr 71
Evaluation of silicone as an artificial lubricant in osteoarthrotic joints. Wright V, et al.
Br Med J 2:370-3, 15 May 71
Lipids in silicone rubber valve prostheses after human implantation. Chin HP, et al.
Circulation 43:Suppl 1:51-6, May 71
An experimental evaluation of skin graft preservation with silicone fluid. Ballantyne DL Jr, et al.
Cryobiology 8:211-5, Apr 71
Silicones for facial prostheses. Roberts AC.
Dent Pract Dent Rec 21:276-84, Apr 71
Use of silicone membranes for study of cells released by hemopoietic tissues in organ culture. Goube de Laforest P, et al. Exp Cell Res 66:267-72, May 71
Diffusion of progestogens through Silastic rubber implants. Lifchez AS, et al.
Fertil Steril 21:426-30, May 70
Tube viscometry of blood: effects of wall material. Chisolm GM, et al. J Appl Physiol 31:313-7, Aug 71
Implantable impermeable flexible encapsulants for artificial organs. Enger CC, et al.
J Biomed Mater Res 5:149-68, 1971
Surface microstructural factors and the blood compatibility of a silicone rubber. Nyilas E, et al.
J Biomed Mater Res 4:369-431, Sep 70
A new material for laryngeal prosthesis. Maran AG, et al. J Laryngol Otol 84:1147-51, Nov 70
Ventral hernia coverage with Silon after correction of congenital diaphragmatic hernia. Mahour GH, et al.
J Pediatr Surg 6:75, Feb 71
Surface characterization of the silicone rubber prosthesis. Bartlett SO, et al.
J Prosthet Dent 25:69-71, Jan 71
The use of RTV silicones in maxillofacial prosthetics. Kanter JC. J Prosthet Dent 24:646-53, Dec 70
Silicone as a denture mold liner. Reisbick MH.
J Prosthet Dent 26:382-6, Oct 71
Favorable experience with silicone circle ureterostomy tube diversion. Lyon ES, et al.
J Urol 104:821-3, Dec 70
An evaluation of Silastic tracheostomy tubes. Spooner TR. Laryngoscope 81:1132-7, Jul 71
The silicone foam enema as a source of cytological specimens from the left colon. Hughes LE, et al.
Med J Aust 2:578-80, 26 Sep 70
Augmentation mammaplasty. Alsop JA.
Nurs Times 66:1617-20, 17 Dec 70
Use of a Silastic testicular implant in reconstruction of the temporomandibular joint of a 5-year-old child. Wukelich S, et al. Oral Surg 32:4-9, Jul 71
Clinical survey of silicone underlays and pulleys in tendon surgery in hands. Bader K, et al.
Plast Reconstr Surg 47:576-9, Jun 71
Reconstruction of the dural canal in myelomeningocele. Case report. Bartal AD, et al.
Plast Reconstr Surg 47:87-9, Jan 71
The status of injectable silicone fluid for soft tissue augmentation. Braley S.
Plast Reconstr Surg 47:343-4, Apr 71
Arthroplasty of the first carpometacarpal joint with a silicone implant. Kessler I, et al.
Plast Reconstr Surg 47:252-7, Mar 71
Pectus excavatum: use of preformed prosthesis for correction in the adult. Case report. Masson JK, et al.
Plast Reconstr Surg 46:398-402, Oct 70
A new technique of chin augmentation. Serson D.
Plast Reconstr Surg 46:406-7, Oct 70
Reconstruction of the female breast following radical mastectomy. Snyderman RK, et al.
Plast Reconstr Surg 47:565-7, Jun 71
Silicone rubber as a catheter sheath.
Radiography 37:230-1, Sep 71
The use of silastic sheet in hand surgery. Carstam N, et al. Scand J Plast Reconstr Surg 5:57-61, 1971
The current status of silicone injection therapy. Ashley FL, et al. Surg Clin North Am 51:501-9, Apr 71
Augmentation mammaplasty. Cronin TD, et al.
Surg Clin North Am 51:441-52, Apr 71
Augmentation mentoplasty. Millard DR Jr.
Surg Clin North Am 51:333-40, Apr 71
Autogenic aortic and mitral valve grafts grown in response to implanted silastic molds. Padula RT, et al.
Surg Forum 21:158-9, 1970
Advantages of silicone rubber vessel loop. Ersek RA, et al. Surg Gynecol Obstet 132:1067-8, Jun 71
A simplified technique for the percutaneous introduction of silicone elastomer catheters. Tatooles CJ. Surg Gynecol Obstet 133:105-6, Jul 71
Use of tissue culture techniques to evaluate new materials developed to serve as artificial heart linings. Schutz L, et al. Surgery 69:557-62, Apr 71
Artificial control of fecal incontinence. Stanley TH.
Surgery 68:852-6, Nov 70
A transcutaneous prosthesis for prolonged access to the peritoneal cavity. Striker GE, et al.
Surgery 69:70-4, Jan 71
Silicone sponge forceps. O'Connor PR.
Trans Am Acad Ophthalmol Otolaryngol 75:649, May-Jun 71
Total encirclement of the globe with silastic sponge. A preliminary report. Chawla HB.
Trans Ophthalmol Soc UK 90:893-5, 1970
[Current technics in vitreous body surgery] Schepens L. Annee Ther Clin Ophtalmol 20:57-67, 1969 (Fre)
[Detachment and silicone] François P, et al.
Bull Soc Ophtalmol Fr 70:593-7, Apr 70 (Fre)
[Silicone implantations in orbital surgery] Vérin P, et al. Bull Soc Ophtalmol Fr 70:588-93, Apr 70 (Fre)
[Relative persistence of cell differentiation in splenic explants cultivated in contact with a hydrophobic substrate (silicone membrane)] Goube de Laforest P.
C R Acad Sci [D] (Paris) 271:2001-3, 30 Nov 70 (Fre)
[Arthoplasty of the hand with silicone implants] Tubiana R, et al. Chirurgie 96:1000-4, Dec 70 (Fre)
[The use of silastic in surgery of the hand]
J Chir (Paris) 101:109-10, Jan 71 (Fre)
[Clinical applications of the experimental replacement of the ureter with silicone elastomers tubes] Auvert J, et al.
J Urol Nephrol (Paris) 76:734-41, Jul-Aug 70 (Fre)
[Silicone sponge in maxillofacial prosthetic surgery. Preliminary study (18 cases)] Soubiran JM, et al.
Rev Stomatol Chir Maxillofac 71:634-9, Oct-Nov 70 (Fre)
[Individual auditory protective device on a silicone base] Zenk H.
Dtsch Gesundheitsw 25:710-5, 16 Apr 70 (Ger)
[Experimental total substitution of the bladder with a prosthesis of silicone elastomere] Accinelli G, et al.
Ann Ostet Ginecol 91:533-64, Aug 70 (Ita)
[Treatment of paralytic lagophthalmus by means of an eyelid frame composed of a thin elastic layer of silicone sponge. Original method] Strampelli B, et al.
Ann Ottalmol Clin Ocul 94:451-8, May 68 (Ita)
[Prosthetic reconstruction of the larynx: experimental results and preliminary uses in humans] Fiorella R, et al. Boll Soc Ital Biol Sper 47:58-60, 30 Jan 71 (Ita)
[Coating of experimental aneurysms with inert non-adhesive substances: methylmethacryiate and RTV silicone] La Torre E, et al.
Minerva Neurochir 13:172-82, 1969 (Ita)
[A study on the male sexual impotence. II. Treatment of organic impotence by implantation of a penile prosthesis] Shiral M, et al.
Jap J Urol 62:156-61, Feb 71 (Jap)
[Use of silicones vulcanizing at room temperature for lower extremity prosthesis sockets] Lad J, et al.
Chir Narzadow Ruchu Ortop Pol 35:801-7, 1970 (Pol)
[Silicon rubber--a new material in reconstructive surgery of the maxillofacial region] Vlasova NK, et al.
Stomatologiia (Mosk) 50:33-5, Jan-Feb 71 (Rus)

ADMINISTRATION & DOSAGE

Silicone fluid and steroids in the prevention of adhesions. Sachdeva HS, et al.
Br J Surg 58:382-4, May 71
Liquid silicone for intra-articular use in the horse. Riddle WE Jr, et al.
J Am Vet Med Assoc 155:1367-9, 15 Oct 67
[An experiment for the better cholecystography. 1. Effect of simultaneously administered defoaming drugs on the oral cholecystography] Koike N, et al.
Nippon Acta Radiol 30:500-7, Sep 70 (Jap)
[Results of local treatment of burns by applying silicone tulle] Rawa M, et al.
Pol Przegl Chir 43:205-10, Feb 71 (Pol)

ADVERSE EFFECTS

Injection and impregnation of liquid silicone into ocular tissues. Biodi FC.
Am J Ophthalmol 71:1044-51, May 71
Effect of silicone contact lenses on corneal epithelial metabolism. Burns RP, et al.
Am J Ophthalmol 71:488-9, Feb 71
Eyelid deformities caused by the injection of silicone fluid. Rees TD, et al. Br J Plast Surg 24:125-8, Apr 71
The response of the liver to implantation of artificial bile ducts. Aterman K, et al.
J Pediatr Surg 6:413-20, Aug 71
Effect of silicones on the absorption of anticoagulant drugs. Talbot JM, et al. Lancet 1:1292, 19 Jun 71
Ball variance complicating prosthetic replacement of the aortic valve. Hawker RE, et al.
Med J Aust 1:205-8, 23 Jan 71
[Infections, intolerance reactions to elastic silicone sponge in retinal detachment surgery] Rouchy JP.
Ann Oculi (Paris) 204:55-65, Jan 71 (Fre)

ANALYSIS

[Application of infra-red absorption spectroscopy to examination of drugs and their preparation. XIX. Determination of silicone oil in disposable plastic syringes] Kojima S, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:26-9, 1970 (Jap)

CHEMICAL SYNTHESIS

Organosilyl ethers of penicillin and hormones. Post HW. J Med (Basel) 1:242-5, 1970

DIAGNOSTIC USE

The bubble problem in endoscopy. An evaluation of a new aid in endoscopy. A double blind study. Waye JD, et al. Gastrointest Endosc 14:34-5, Aug 67

PHARMACODYNAMICS

Effect of silicones on the absorption of anticoagulant drugs. Talbot JM, et al. Lancet 1:1292, 19 Jun 71
[Inhibitors of the murine leukemia sarcoma group viruses. Silicotungstates] Raynaud M, et al.
C R Acad Sci [D] (Paris) 272:347-8, 11 Jan 71 (Fre)
[Utilization of a silicone, methylpolysiloxane, as a joint lubricant. First results of an animal experimentation] Bregeon C, et al.
Rev Rhum Mal Osteoartic 37:735-40, Nov 70 (Fre)

THERAPEUTIC USE

Treatment of the postoprrative hypotony syndrome (preliminary report). Törnquist R.
Acta Ophthalmol (Kbh) 48:1171-3, 1970
Silicone for osteoarthritic joints. Helal B.
Br Med J 2:654-5, 12 Jun 71
Silicone injection of joints. Experimental and clinical trials. Helal B, et al. Int Surg 54:317-22, Nov 70
Observations on the effect of silicone fluid and flexor tendon healing in the dog. Adamson JE, et al.
Surg Forum 21:502-4, 1970
The extruded implant. Beyer CK.
Trans Am Acad Ophthalmol Otolaryngol 74:1311-7, Nov-Dec 70
[Experiences in the patients with fluid silicon-oil in anteior chamber] Liesenhoff H.
Klin Monatsbl Augenheilkd 158:307-8, Feb 71 (Ger)
[Vocal rehabilitation using injectable silicone] Fukuda H. J Otolaryngol Jap 73:1506-26, Sep 70 (Jap)

TOXICITY

[Toxicology and pharmacology of organic silicon compounds] Bien E. Pharmazie 26:224-7, Apr 71 (Ger)

SILICOSIS (C5)

Social medical relations of decline of ability to work caused by silicosis and silico-tuberculosis. Kiss L, et al. Acta Med Leg Soc (Liege) 20:303-5, Jul-Dec 67
Porolite silicosis. Sosnierz M, et al.
Acta Med Pol 11:395-402, 1970
Silicosis and its present significance in Bendigo. Hardman GL. J R Nav Med Serv 57:68-74, Summer 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Foundations of the small particle deposition in bronchial and alveolar space] Walkenhorst W. Med Klin 66:303-7, 26 Feb 71 (Ger)
[Case of acute pulmonary silicosis] Owsiński J, et al. Gruzlica 39:247-51, 1971 (Pol)

BLOOD

[Immunity and blood proteins in silicosis. IV. Blood proteins, colloid lability tests, blood coagulation, cryoagglutinins and serum polarogram in animals treated with silica] Szabó S, et al. Arch Roum Pathol Exp Microbiol 28:119-30, Mar 69 (Fre)
[Immunity and blood proteins in silicosis. 3. Serum proteins, lipoproteins, glycoproteins and cryoagglutinins in silicosis] Szabó S, et al. Arch Roum Pathol Exp Microbiol 28:109-18, Mar 69 (Fre)
[Cupremia and cerulopasmin in silicotic patients] De Salvia F, et al. Folia Med (Napoli) 52:450-8, Jul 69 (Ita)

CHEMICALLY INDUCED

A method for inducing unilateral silicosis in rabbits. Dale K. Scand J Resp Dis 51:118-24, 1970

CLASSIFICATION

[Principles of classification of silicosis] Müller H. Radiol Diagn (Berl) 11:349-54, 1970 (Ger)
[Historical and medico-legal considerations on nosologic individuality of silicosis] Piscaglia M, et al. Folia Med (Napoli) 52:861-8, Dec 69 (Ita)

COMPLICATIONS

Silicosclerodermia. Căpuşan I, et al. Rom Med Rev 14:35-41, 1970
[Case of late silicosis with pleural mesothelioma] Thzolov C, et al. Acta Tuberc Pneumol Belg 61:354-62, May-Aug 70 (Fre)
[Silicosis, sclerosing and hyalinizing mesenchymatosis; modifications and prevention of experimental silicosis by administration of synthetic products and hormones] Mosinger M, et al. Arch Mal Prof 30:653-74, Dec 69 (Fre)
[Histiocytosis-X of the inferior maxilla and pulmonary miliary lesions] Miech G, et al. J Radiol Electrol Med Nucl 50:957-8, Dec 69 (Fre)
[Association of pulmonary silicosis and bronchial carcinoma (an anatomo-clinical case)] Sebag F, et al. Mars Med 107:671-4, 1970 (Fre)
[Silicone outgrowth of the liver with obstructive jaundice] Bertrand L, et al. Rev Int Hepatol 19:651-65, 1969 (Fre)
[Expert testimony. Case No. 779-69. Is there an etiologic connection between silicosis and lung cancer?] Konetzke G. Dtsch Gesundheitsw 26:892-5, 6 May 71 (Ger)
[Left heart involvement in silicosis] Ulmer WT. Dtsch Med Wochenschr 96:888, 14 May 71 (Ger)
[Blocked expiration test (T.E.B.) in the study of chronic cor pulmonale in silicosis] Lussana S. Folia Med (Napoli) 52:553-64, Sep 69 (Ita)
[Further study of the problem of the association of silicosis and bronchopulmonary cancer] Del Fabbro V, et al. Lotta Tuberc 40:241-80, Jul-Sep 70 (Ita)
[Anatomo-histological aspects of silicosis associated with rheumatoid arthritis. Case contribution] Fabroni F, et al. Med Lav 61:356-66, Jun-Jul 70 (Ita)
[On the origin of "egg-shell" calcifications of the hilar lymph nodes in silicosis] Strada L, et al. Med Lav 61:677-82, Oct 70 (Ita)
[Long-term prognosis of myocardial infarct in patients with silicosis] Borney G, et al. Minerva Cardioangiol 18:485-7, Jul 70 (Ita)
[Prinzmetal's angina in a patient with silicosis and rheumatoid arthritis] Proto C, et al. Minerva Cardioangiol 17:990-4, Nov 69 (Ita)
[The pneumotachygraph in the functional diagnosis of ventilatory damage caused by pulmonary silicosis] Dotta F, et al. Zacchia 5:105-20, Jan-Mar 69 (Ita)
[Consequences of spontaneous pneumothorax in patients with silicosis] Albu A, et al. Rev Med Chir Soc Med Nat Iasi 74:605-11, Jul-Sep 70 (Rum)

DIAGNOSIS

[Remarks on the value of PO-2 measurements at rest and during exercise in the evaluation of disability due to silicosis] Diercxx JP, et al. Acta Tuberc Pneumol Belg 61:383-7, May-Aug 70 (Fre)
[Apical pseudotumoral form of silicosis] Tzolov C, et al. Acta Tuberc Pneumol Belg 61:521-30, 1970 (Fre)
[The quantitative evaluation of lung scintigrams] Schröder H. Med Klin 65:257-9, 6 Feb 70 (Ger)
[Silicosis. Pathophysiology and clinical aspects] Ulmer WT. Med Klin 66:293-7, 26 Feb 71 (33 ref.) (Ger)
[Silicosis and pulmonary scintigraphy] Jucker A. Radiol Clin Biol 39:240-6, 1970 (Ger)
[Pseudotumoral silicoma of the lung] Pellegrini P, et al. Arcisp S Anna Ferrara 22:817-43, 1969 (Ita)
[Pneumoscintigraphic findings in patients with silicosis and in welders with bronchopneumopathies] Salamone L. Folia Med (Napoli) 52:697-709, Nov 69 (Ita)
[On a case of isolated pseudotumoral silicosis] Capezzuto A. Med Lav 61:587-93, Nov 70 (Ita)
[Silicosis. Clinico-radiological and functional correlation. Study of 180 cases] Naranjo Hernández F. Prensa Med Mex 36:61-4, Feb 71 (Spa)

DRUG THERAPY

[Effect of cyclophosphamide on experimental pulmonary silicosis] Barhad B, et al. Arch Mal Prof 31:649-62, Dec 70 (Fre)
[Experimental study of the antisilicotic effect of polyvinylpyridine-N-oxide] Katsnel'son BA, et al. Gig Sanit 35:20-4, Oct 70 (Rus)

ENZYMOLOGY

[Study of lipid metabolism in the lungs in experimental silicosis i rats. Activity of lung lupases and aconitase] Gabor S, et al. Arch Mal Prof 30:413-20, Jul-Aug 69 (Fre)
[Anti-elastase and silicosis] Belasco M, et al. Poumon Coeur 25:983-95, 1969 (Fre)

ETIOLOGY

Pathogenesis of pulmonary silicosis in rats fed stock and multideficient diet since weaning. Kaw JL, et al. Environ Res 3:199-211, Jul 70
[Silicosis in occupations handling concrete] Bernadou JM, et al. Arch Mal Prof 31:617-24, Dec 70 (Fre)
[Characteristics of the development of silicosis] Tsolov Kh, et al. Gig Tr Prof Zabol 14:4-6, Nov 70 (Rus)
[Development and course of silicosis in persons no longer exposed to dust] Zislin DM, et al. Gig Tr Prof Zabol 14:52-4, Apr 70 (Rus)

IMMUNOLOGY

[Tuberculin and candidin hypersensitivity in coal miners. Comparative study of a control group of healthy subjects and a group of pulmonary tuberculosis patients (apropos of 500 cases)] Vidal J, et al. Rev Tuberc Pneumol (Paris) 33:507-26, Jun 69 (Fre)
[Influence of the inhalation of SiO2 dust on the unspecific defense] Pfordte K, et al. Z Gesamte Hyg 16:897-8, Dec 70 (Ger)
[Participation of polynuclears in alveolar phagocytosis of quartz dust and its relation to the biological aggressivity of quartz] Starikova SK, et al. Biull Eksp Biol Med 70:113-6, Sep 70 (Rus)

METABOLISM

Lung lipids and pulmonary silicosis in rats. Kaw JL, et al. Int Arch Arbeitsmed 27:324-30, 1971
Histamine metabolism in experimental silicosis. II. In vivo experiments in guinea pigs. Religa Z, et al. Life Sci [II] 10:257-71, 8 Mar 71
Histamine metabolism in experimental silicosis. I. Experiments on the isolated rat lung and on guinea pig lung homogenates and sections. Religa Z, et al. Life Sci [II] 9:689-700, 22 Jun 70
[Lung tissue proteins in experimental silicosis] Pavlova IV, et al. Gig Tr Prof Zabol 14:25-9, Aug 70 (Rus)

MICROBIOLOGY

[Demonstration of Trichosporon cutaneum (de Beurm., Gougerot et Vaucher) OTA in the respiratory and digestive tract in miners with silicosis] Hantschke D, et al. Mykosen 14:425-7, 1 Sep 71 (Ger)
[Diseases caused by atypical mycobacteria in silicosis patients and workers exposed to fibrous dust and their evaluation by expert opinion] Konetzke GW. Z Erkr Atmungsorgane 134:197-205, 1971 (Ger)

MORTALITY

[Statistical analysis on the course of pulmonary silicosis. Considerations on 1,370 cases during a 20-year-period] Capezzuto A. Folia Med (Napoli) 52:23-37, 1 Jan 69 (Ita)

OCCURRENCE

Survey of monument industry in Ohio. Yee HT, et al. Am Ind Hyg Assoc J 31:501-5, Jul-Aug 70
Silicosis in Wyoming bentonite workers. Phibbs BP, et al. Am Rev Resp Dis 103:1-17, Jan 71
[Development of the silicotic risk in the Paris area] Cavigneaux A, et al. Arch Mal Prof 32:398-400, Apr-May 71 (Fre)
[Delayed silicosis, a medicosocial problem] Zolov C, et al. Sante Publique (Bucur) 12:305-8, 1969 (Fre)
[Retrospective statistical studies on the problem of interrelation between heart infarct and pneumoconiosis] Rosenkranz KA, et al. Verh Dtsch Ges Inn Med 75:200-4, 1969 (Ger)
[Possibilities and frequenzy of pulmonary silicosis in inhabitants of the Libyan desert] Fossati C. Med Lav 60:144-9, Feb 69 (Ita)
[Silicosis with short exposure time] Costo G. Bol Of Sanit Panam 70:330-8, Apr 71 (Spa)

PATHOLOGY

Morphologic alterations in the kidneys by silicosis. Kolev K, et al. Med Lav 61:305-10, Apr 70
Acute silico-proteinosis: case report in an African. Ashworth TG. S Afr Med J 44:1214-6, 24 Oct 70
[Study of the pulmonary dusting by electron microscopy and micro-analyzer with electric probe] Pariente R, et al. Poumon Coeur 27:309-12, 1971 (Fre)
[Occurrence of calcium concrements in the lungs of deceased coal miners] Einbrodt HJ, et al. Beitr Silikoseforsch 22:89-92, 1970 (Ger)
[Light- and electron microscopic studies on the reciprocity between amorphous SiO2 and tissue] Nemetschek H, et al. Beitr Silikoseforsch 23:3-23, 1970 (Ger)
[Studies on the mechanism of cytotoxicity of silicogenic dusts] Stalder K. Beitr Silikoseforsch 22:287-313, 1970 (Ger)
[The content of zinc in the lung of coalminers with silicosis] Amort H, et al. Int Arch Arbeitsmed 26:351-62, 1970 (Ger)
[Ultrastructure of a new membrane-organelle and its function during the phagocytosis of quartz] Bruch J. Virchows Arch [Zellpathol] 6:166-82, 1970 (Ger)
[Morphological characteristics of bronchitis in siderosilicosis] Doroshenko VV. Gig Tr Prof Zabol 15:57-9, Jan 71 (Rus)

PHYSIOPATHOLOGY

Lung function in silicosis in South African goldminers. Sluis-Cremer GK. S Afr Med J 44:1391-3, 12 Dec 70
Carbon monoxide transfer factor for the lung in silicosis. Teculescu DB, et al. Scand J Resp Dis 51:150-9, 1970
[Clinical studies of the problem of relationship between chronic lung diseases and coronary infarct] Rosenkranz KA, et al. Arch Kreislaufforsch 63:200-25, Nov-Dec 70 (Ger)
[Silicosis. Pathophysiology and clinical aspects] Ulmer WT. Med Klin 66:293-7, 26 Feb 71 (33 ref.) (Ger)
[Studies on changes in the gastrointestinal tract in silicosis] Alexiewa Z. Z Gesamte Hyg 16:532-3, Jul 70 (Ger)
[Different development of silicosis in female and male persons with the same dust-exposure] Kandus J. Zentralbl Arbeitsmed 21:176-9, Jun 71 (Ger)
[Influence of the relative environmental humidity on some respiratory function tests in subjects with pulmonary silicosis] Bellini PG, et al. Boll Soc Ital Biol Sper 46:676-9, 15 Sep 70 (Ita)
[Cardiorespiratory exercise tests in silicotic patients] Sessa T, et al. Folia Med (Napoli) 52:1-22, 1 Jan 69 (Ita)
[Correlations between respiratory function tests and the electrocardiographic pattern in silicosis. (Observation on 218 cases)] Velluti G, et al. Omnia Med Ther 47:809-26, Oct-Dec 69 (Ita)
[Respiratory function impairment in micronodular pulmonary silicosis] Marek K, et al. Pol Arch Med Wewn 46:481-8, 1971 (Pol)
[Roentgeno-spirometry of the lungs as a method of measuring the volume of residual air in the lungs of patients with silicosis and anthracosilicosis] Fedorova SD. Gig Tr Prof Zabol 15:53-4, 1971 (Rus)
[Changes in the external respiration in silicosis patients prior to development of their disease] Tsolov Kh. Gig Tr Prof Zabol 14:54-6, Apr 70 (Rus)
[Silicosis. Clinico-radiological and functional correlation. Study of 180 cases] Naranjo Hernández F. Prensa Med Mex 36:61-4, Feb 71 (Spa)

PREVENTION & CONTROL

Reductions of dust exposures in the slate industry. Sacharov KM, et al. Am Ind Hyg Assoc J 32:119-22, Feb 71
[Studies on the inhibition of the cytotoxic effect of quartz using mineral substances, with special emphasis on aluminum] Policard A, et al. Beitr Silikoseforsch 23:3-57, Jan 71 (Fre)
[Danger of silicosis in iron- and steel foundaries. Studies on indications for medical surveillance measures] Buckup H. Z Gesamte Hyg 16:479-85, Jul 70 (Ger)
[Use of surface-active agents in the prevention of experimental silicosis] Zajusz K, et al. Z Gesamte Hyg 16:527-31, Jul 70 (Ger)
[Antisilicotic properties of polyvinylpyridine-N-oxide with a different molecular weight] Dubovik BV, et al. Farmakol Toksikol 34:353-7, May-Jun 71 (Rus)
[Driving of mechanical stree sweepers--silicosis hazardous work?] Ohman H. Nord Hyg Tidskr 49:72-81, 1968 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

[Examination of pulmonary circulation in silicoses using segment angiography] Benkö G, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:207-14, Feb 71 (Ger)
[Comparative study on the radiologic and spirometric evolution of silicosis: examination of 224 cases] Saia B, et al. Med Lav 60:175-81, Mar 69 (Ita)
[Medico-legal aspect of silicosis and silicotuberculosis of the lungs] Jovanović MR.
Med Glas 24:371-6, Jul-Aug 70 (Cro)

SURGERY

Ten-month survival after lung homotransplantation in man. Derom F, et al.
J Thorac Cardiovasc Surg 61:835-46, Jun 71
[Personal experience with lung transplantation] Derom F, et al.
Ned Tijdschr Geneeskd 115:87-8, 9 Jan 71 (Dut)

THERAPY

[Immediate and long-term results of thalassotherapy in pulmonary silicosis] Dzierżyński M, et al.
Przegl Lek 26:646-50, 1970 (Pol)

SILICOTUBERCULOSIS (C1, C5)

Social medical relations of decline of ability to work caused by silicosis and silico-tuberculosis. Kiss L, et al. Acta Med Leg Soc (Liege) 20:303-5, Jul-Dec 67

BLOOD

[Reduction of alpha-2-globulins following administration of 1-methyl-delta-1-androstenolone enonthate] Kollmeier H, et al.
Arzneim Forsch 21:673-4, May 71 (Ger)

CLASSIFICATION

[Classification of silicotuberculosis] Molokanov KP, et al. Gig Tr Prof Zabol 14:49-52, Apr 70 (Rus)

COMPLICATIONS

[Further study of the problem of the association of silicosis and bronchopulmonary cancer] Del Fabbro V, et al. Lotta Tubere 40:241-80, Jul-Sep 70 (Ita)
[Clinical experience in the use of proscillaridin A in cardiac patients with tubercular bronchopneumopathy] Concina E, et al.
Minerva Med 62:1769-82, 28 Apr 71 (Ita)

DRUG THERAPY

[The incidence of primary and secondary drug resistance in pulmonary tuberculosis among the patients of Bad Berka Central Hospital during 1964--1968 and its effect on therapeutic results] Bohnstedt B.
Z Erkr Atmungsorgane 134:185-95, 1971 (Ger)
[Therapy of silicotuberculosis with a combination preparation] Menichetti L, et al.
Clin Ter 55:11-20, 15 Oct 70 (Ita)
[Treatment of cavernous silicotuberculosis of the lungs] Janjić M.
Plucne Bolesti Tuberk 22:233-40, Jul-Sep 70 (Cro)

MICROBIOLOGY

[Diseases caused by atypical mycobacteria in silicosis patients and workers exposed to fibrous dust and their evaluation by expert opinion] Konetzke GW.
Z Erkr Atmungsorgane 134:197-205, 1971 (Ger)

RADIOGRAPHY

[Medico-legal aspect of silicosis and silicotuberculosis of the lungs] Jovanović MR.
Med Glas 24:371-6, Jul-Aug 70 (Cro)

SURGERY

[Remote results of surgical excision in tuberculo-pneumoconiosis] Bérard J, et al.
Poumon Coeur 25:1011-8, 1969 (Fre)

THERAPY

[On therapy and prevention of silico-tuberculosis] Resegno B, et al.
Arch Monaldi 25:22-31, Jan-Feb 70 (Ita)

SILKWORMS (B1)

The biosynthesis of DNA by insects. 3. Ribonucleotide reductase activity and the effect of hydroxyurea during the adult development of the cecropia silkworm. Swindlehurst M, et al.
Biochim Biophys Acta 228:313-23, 28 Jan 71
Polyhedral previrus and its induction in aseptically raised silkworms. Yamafuji K, et al.
Enzymologia 38:329-36, 30 Jun 70
The spindle as a basal body distributor. A study in the meiosis of the male silkworm moth, Bombyx mori. Friedländer M, et al. J Cell Sci 7:65-89, Jul 70
Strain sensitivity of silkworm eggs to killing and mutation by ultraviolet light. Murakami A.
Radiat Res 44:146-53, Oct 70
[Role of the neurosecretory cells of the subpharyngeal ganglia in the determination of embryonal diapause in Orgyia antiqua L] Kind TV.
Dokl Akad Nauk SSSR 187:226-9, 1 Jul 69 (Rus)
[Change in the amino acid composition of silkworm sericin (Bombyx mori L.) under the influence of streptomycin] Mednikov BM, et al.
Dokl Akad Nauk SSSR 188:1176-8, 11 Oct 69 (Rus)
[Obtaining male progeny from silkworms] Strunnikov VA. Dokl Akad Nauk SSSR 188:1155-8, 11 Oct 69 (Rus)
[ultrastructural changes in the flagellum envelope during silkworm spermiogenesis] Danilova LV.
Tsitologiia 13:564-7, May 71 (Rus)
[Activation of latent virus of nuclear polyhedrosis in silkworm pupae by nucleases] Karpov AE, et al.
Mikrobiol Zh 32:481-6, May-Jun 70 (Ukr)
[Activation of latent virus of nuclear polyhedrose by proteases in silkworm pupae] Karpov AE, et al.
Mikrobiol Zh 32:592-7, Sep-Oct 70 (Ukr)
[Lactic acid bacteria in the intestinal tract of the silkworm] Kovalenko NK.
Mikrobiol Zh 32:297-301, May-Jun 70 (Ukr)
[Activation of latent virus of nuclear polyhedrose in hemocytes of Bombyx mori L] Landau SM.
Mikrobiol Zh 31:499-502, Sep-Oct 69 (Ukr)
[Multiplication of nuclear polyhedrosis virus, activated by cooling, in Bombyx mori caterpillers] Landau SM.
Mikrobiol Zh 32:350-5, May-Jun 70 (Ukr)
[Adaptation of nuclear polyhedrosis virus of Bombyx mori L. to Galleria mellonella (L.)] Primachenko LV.
Mikrobiol Zh 32:487-91, May-Jun 70 (Ukr)
[Species specificity of the nuclear polyhydrosis virus of the great wax moth Galleria mellonella L] Primachenko LV.
Mikrobiol Zh 31:652-9, Nov-Dec 69 (Ukr)
[Isolation and purification of polyhedra from caterpillars of Bombyx mori L. affected with jaundice] Stepaniuk VV, et al.
Mikrobiol Zh 31:539-40, Sep-Oct 69 (Ukr)
[An electron microscopic study of Bombyx mori caterpiller RNA] Stepaniuk VV, et al.
Mikrobiol Zh 32:345-50, May-Jun 70 (Ukr)

ANALYSIS

The juvenile hormone of the giant silk moth Hyalophor gloveri (Strecker). Dahm KH, et al.
Life Sci [II] 9:1397-400, 22 Dec 70
[Polyribosomes in the silkgland of the silkworm. Isolation and electron microscopic study] Prudhomme JC, et al.
Exp Cell Res 63:373-8, Dec 70 (Fre)
[Contents of beta-alanine, anserine and carnosine in silkworm and the effect of beta-alanine administration] Hama T, et al.
J Jap Biochem Soc 43:293-8, May 71 (Jap)
[Fractionation of silk protein by ion-exchange cellulose chromatography] Tokutake S, et al.
J Jap Biochem Soc 42:904-13, Dec 70 (Jap)
[Nucleotide peptides in the silkworm] Krasnova SN, et al. Zh Obshch Biol 32:105-8, Jan-Feb 71 (Rus)

ANATOMY & HISTOLOGY

On the stimulus conducting structures in insect olfactory receptors. Steinbrecht RA, et al.
Z Zellforsch Mikrosk Anat 117:570-5, 1971
[Geometric model of the silkworm egg] Legay JM, et al.
Acta Biotheor [A] (Leiden) 20:18-28, 1971 (Fre)
[Ultrastructure of the silkworm testis. I. Membrana basilaris and discharge of spermatozoa from the lobuli testis to the ductus efferens] Danilova LV, et al.
Tsitologiia 13:15-21, Jan 71 (Rus)

CYTOLOGY

The synthesis and secretion of ribosomes by nurse cells of Antheraea polyphemus. Hughes M, et al.
Dev Biol 23:651-64, Dec 70

EMBRYOLOGY

[Dynamics of soluble proteins in developing silkworm eggs] Filippovich IuB, et al.
Zh Obshch Biol 32:71-6, Jan-Feb 71 (Rus)

ENZYMOLOGY

Purification and characterization of pre-phenoloxidase from hemolymph of the silkworm Bombyx mori. Ashida M. Arch Biochem Biophys 144:749-62, Jun 71
Studies on sepiapterin deaminase from the silkworm, Bombyx mori. Purification and some properties of the enzyme. Tsusué M.
J Biochem (Tokyo) 69:781-8, Apr 71
Cocoonase. 3. Purification, preliminary characterization, and activation of the zymogen of an insect protease. Berger E, et al.
J Biol Chem 246:4131-7, 10 Jul 71
The packaging of a secretory protein. Kinetics of cocoonase zymogen transport into a storage vacuole. Kafatos FC, et al. J Cell Biol 48:426-31, Feb 71
Phenol oxidase activity in the integument of the silkworm Bombyx mori infected with Beauveria bassiana and Spicaria fumoso-rosea. Aoki J, et al.
J Invertebr Pathol 16:459-64, Nov 70
[Alkali DNAase activity in nuclear polyhedrosis of Bombyx mori L. caterpillars] Karpov AE, et al.
Mikrobiol Zh 32:747-51, Nov-Dec 70 (Ukr)

GROWTH & DEVELOPMENT

Hour-glass behavior of the circadian clock controlling eclosion of the silkmoth Antheraea pernyi. Truman JW. Proc Natl Acad Sci USA 68:595-9, Mar 71
[Mode of action of the diapause hormone in the carbohydrate metabolism in the silkworm Bombyx mori L] Hasegawa K, et al.
Ann Endocrinol (Paris) 31:631-6, Jul-Aug 70 (Fre)
[Changes in the inorganic cation component of hemolymph during development and metamorphosis of some lepidopterans] Naoumoff M, et al.
Arch Int Physiol Biochim 78:357-65, Apr 70 (Fre)

METABOLISM

Processing of ribosomal RNA precursor in isolated insect nuclei. Hughes M, et al.
Biochem Biophys Res Commun 39:1166-13, 1970
A DNA-like RNA fraction in the posterior silkgland of the wax moth, Galleria mellonella (L.). Ishikawa H, et al. Biochim Biophys Acta 232:661-70, 8 Apr 71
Stimulation of RNA and protein synthesis in silkmoth pupal wing tissue by ecdysone in vitro. Wyatt SS, et al.
Gen Comp Endocrinol 16:369-74, Apr 71
The packaging of a secretory protein. Kinetics of cocoonase zymogen transport into a storage vacuole. Kafatos FC, et al. J Cell Biol 48:426-31, Feb 71
[Changes in the inorganic cation component of hemolymph during development and metamorphosis of some lepidopterans] Naoumoff M, et al.
Arch Int Physiol Biochim 78:357-65, Apr 70 (Fre)
[Functional heterogeneities in the DNA of giant nuclei. A radioautographic study of the silk gland of Bombyx mori L] Gillot S. Exp Cell Res 59:388-402, May 68 (Fre)
[Formation of phenoxazine pigment and conversion of 3-oxy-kynurenine during metamorphosis of silkworms] Ishiguro I, et al.
J Jap Biochem Soc 43:401-7, 1971 (Jap)

PHYSIOLOGY

Role of the chorion as a barrier to oxygen in the diapause of the silkworm, Bombyx mori L. Okada M.
Experientia 27:658-60, Jun 71
Active transport of sodium by the isolated midgut of Hyalophora cecropia. Harvey WR, et al.
J Exp Biol 54:269-74, Feb 71
Active transport of caesium by the isolated and short-circuited midgut of Hyalophora cecropia. Zerahn K. J Exp Biol 53:641-9, Dec 70
Programmed cell death: nature of the nervous signal controlling breakdown of intersegmental muscles. Lockshin RA. J Insect Physiol 17:149-58, Jan 71
[Food specialization of the silkworm (Bombyx mori L.)] Samokhvalova GV.
Zh Obshch Biol 32:368-76, May-Jun 71 (Rus)

RADIATION EFFECTS

[Some overall effects of x-irradiation on Bombyx mori larvae as a function of the physiological condition of the insect. II. Study of growth] Coulon M.
Bull Biol Fr Belg 105:63-77, 1971 (Fre)
[Some overall effects of x-irradiation on Bombyx mori larvae as a function of the physiological condition of the insect. I. Study of the mortality] Coulon M.
Bull Biol Fr Belg 105:53-61, 1971 (Fre)

SILVER (D1)

Silver impregnation: collagenic and reticular fibers and the ground substance. Valdrighi L, et al.
Ann Histochim 16:29-40, Jan-Mar 71
Does silver impregnate normal and degenerating boutons? A study based on light and electron microscopical observations of the inferior olive. Walberg F. Brain Res 31:47-65, 7 Aug 71
Electrolytic reaction to dissimilar metals as a cause of sciatica: a case report. Bhalla SK, et al.
Can J Surg 11:52-6, Jan 68
Influence of pH and metal ions on the fluorescence of polycyclic hydrocarbons in aqueous DNA solution. Green B. Eur J Biochem 14:567-74, Jul 70
Use of silver points with improved digital control. Weine FS, et al. J Am Dent Assoc 83:125-8, Jul 71
Silver staining of ribosomal proteins. Smith JW, et al.
J Cell Sci 9:253-69, Jul 71
Slide impregnation method for Treponema pallidum

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and other spirochetes. Di Virgilio G, et al.
Lab Pract 19:1028-30, Oct 70
Silver plated ribosomes. Hardy SJ, et al.
Nature [New Biol] 232:152-3, 4 Aug 71
A survey of silver recovery. II. The economics. Hudson E. Radiography 36:291-300, Dec 70
Pancreatic islets of infants with severe hypoglycemia as revealed by silver stains. Misugi K, et al.
Yokohama Med Bull 21:1-19, Feb 70
[Alpha-alkylmercapto- and alpha-arylmercapto-alkylisocyanates] Böhme H, et al.
Arch Pharm (Weinheim) 302:335-9, May 69 (Ger)
[Cum argento-sine argento water degermination] Walter H. Z Gesamte Hyg 16:576-8, Aug 70 (Ger)
[Studies on the relationship between the blood vessels and the nerve element of the human retina. 2. Perivascular argentophilic structures on the capillary microaneurysms of the retina] Fukuda M.
Acta Soc Ophthalmol Jap 75:465-70, 20 Jan 71 (Jap)
[Sipal--a silver-palladium alloy produced in the German Democratic Republic] Pasenkiewicz W.
Czas Stomatol 24:547-51, May 71 (Pol)

ADMINISTRATION & DOSAGE

Silver lactate burn cream. Hoopes JE, et al.
Surgery 70:29-37, Jul 71
[Silvering of drinking water in small rural communities] Althaus H.
Arch Hyg Bakteriol 154:574-6, Jul 71 (Ger)

ADVERSE EFFECTS

The response of the liver to implantation of artificial bile ducts. Aterman K, et al.
J Pediatr Surg 6:413-20, Aug 71

ANALYSIS

Reaction on histones with ammoniacal silver in chromatin in different states of condensation. Mydlwski A. Acta Histochem (Jena) 39:248-51, 1971
[The detection and determination of silver in biological fluids] Buneaux F, et al.
Ann Biol Clin (Paris) 28:273-7, 1970 (Fre)
[Studies on diffused element content of teeth with amalgam fillings using the neutron activation test] Mocke W. Dtsch Zahnaerztl Z 26:657-64, Jun 71 (Ger)
[Effect of antineoplastic agents on the accumulation of collargol in cells of the reticuloendothelial system] Korol'chuk VP, et al.
Farmakol Toksikol 33:707-11, 1970 (Rus)

DIAGNOSTIC USE

[Scintigraphy of inflammation using silver isotopes] Jahns E, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:38-41, Jul 71 (Ger)
[The diagnostic value of bacterial silver impregnation according to the method of Levaditi] Wöckel W, et al.
Zentralbl Allg Pathol 113:318-21, 1970 (Ger)

ISOLATION & PURIFICATION

A survey of silver recovery. I. The mechanics of silver recovery. Hudson E. Radiography 36:263-9, Nov 70

METABOLISM

Studies on the in vivo breakdown of insoluble halides. Anghileri LJ. Acta Isot (Padova) 9:347-56, 30 Sep 69

PHARMACODYNAMICS

[Effect of silver water on some microorganisms] Kondrateva TS. Farm Zh 26:62-5, Jan-Feb 71 (Ukr)

RADIATION EFFECTS

Radiolysis reactions of colloidal silver and silver bromide. Johnston FJ, et al.
Radiat Res 44:323-37, Nov 70

STANDARDS

[Changes in mechanical properties of dental-casting silver alloys in various casting conditions] Noguchi H, et al. Shikwa Gakuho 71:1151-6, Mar 71 (Jap)

THERAPEUTIC USE

Topical treatment of burns. Clarke AM, et al.
Lancet 2:661, 18 Sep 71
[Injuries and burn wounds of the pig under the influence of Katoxyn] Leuzinger S.
Arzneim Forsch 20:1732-8, Nov 70 (Ger)
[Direct pulp capping with Gelita silver tampon and regeneran. Clinical and histological study] Taatz H, et al.
Dtsch Zahn Mund Kieferheilkd 56:143-51, Mar 71 (Ger)

SILVER NITRATE (D1)

Scanning electron microscopy of aortic endothelial cell boundaries after staining with silver nitrate. Garbarsch C, et al. Angiologica 7:365-73, 1970
Silver staining of axons in subcellular fractions of nervous tissue. Kiernan JA.
Experientia 26:1352, 15 Dec 70
Golgi potassium-dichromate silver-nitrate impregnation. Nature of the precipitate studied by x-ray powder diffraction methods. Fregerslev S, et al.
Histochemie 25:63-71, 1971
Complexes of organic acids with calcium phosphate: the von Kossa stain as a clue to the composition of bone mineral. Bills CE, et al.
Johns Hopkins Med J 128:194-207, Apr 71
Chemical induction of tubal blockade in the monkey. Neuwirth RS, et al. Obstet Gynecol 38:51-4, Jul 71
Fink-Heimer silver impregnation of degenerating axons and terminals in mounted cryostat sections of fresh and fixed brains. Hjorth-Simonsen A.
Stain Technol 45:199-204, Sep 70
Grimelius' silver stain for endocrine cell granules, as shown by electron microscopy. Vassallo G, et al.
Stain Technol 46:7-13, Jan 71
[Argyrosis of the skin and mucous membranes in chemical industry] Holzegel K.
Z Gesamte Hyg 16:440-7, 1 Jun 70 (Ger)
[A new method of silver impregnation of nerve tissue] Alessi A, et al. Pathologica 61:1-4, Jan-Feb 69 (Ita)

ADMINISTRATION & DOSAGE

Use of 0.5 per cent silver nitrate cream for burns. Bouterie RL, et al. Am J Surg 121:576-9, May 71
Surgical treatment of hydatid cysts by freezing of cyst wall and instillation of 0.5 per cent silver nitrate solution. Saidi F, et al.
N Engl J Med 284:1346-50, 17 Jun 71

ADVERSE EFFECTS

[Corneal disorder caused by silver nitrate] Tanabe U.
Ophthalmology (Tokyo) 15:630-1, Jun 71 (Jap)

PHARMACODYNAMICS

Reaction on histones with ammoniacal silver in the developing rat retina. Mydlwski A.
Acta Histochem (Jena) 38:88-91, 1970

THERAPEUTIC USE

Reports from the obstetrical clinic in Leipzig. Prevention of eye inflammation in the newborn. Credé. Am J Dis Child 121:3-4, Jan 71
Silver nitrate and the eyes of the newborn. Credé's contribution to preventive medicine. Forbes GB, et al.
Am J Dis Child 121:1-3, Jan 71
The effect of topial Sulfamylon on water loss through burn eschar: a re-evaluation. Jelenko C 3d, et al.
J Trauma 10:1123-31, Dec 70
[Silver nitrate solution as a scolicide in the therapy of human granulous echinococcosis] Nazarian I, et al.
Z Tropenmed Parasitol 22:188-90, Jun 71 (Ger)
[Mechanical chemical stimulation of the bladder in neurogenic bladder paralysis] Ascoli R.
Z Urol Nephrol 63:773-4, Oct 70 (Ger)
[Experience with the treatment of childhood burns with silver nitrate solution] Baksa J, et al.
Orv Hetil 112:189-203, 24 Jan 71 (Hun)
[Results obtained from the application of 0.5 per cent silver nitrate solution in the treatment of burns] Topuzlu C, et al.
Turk Tip Cemiy Mecm 36:302-9, 1970 (Tur)

SILVER PROTEINS (D1, D3)

A modified Bodian Protargol stain for identification of striated muscle elements. Van de Velde RL, et al.
Am J Clin Pathol 54:768-71, Nov 70

ADVERSE EFFECTS

[Statistical observations on protargol sensitivity] Oda M. Otolaryngology (Tokyo) 42:935-40, Nov 70 (Jap)

SIMIAN VIRUS 40 see SV40 VIRUS (B4)

SIMMONDS' DISEASE see under

HYPOPITUITARISM (C7)

SIMULATION see under MALINGERING (F2)

SIMULATION see under MODELS, THEORETICAL

(H)

SINGLE PERSON (M, N1)

Contraceptive use among single college students. A preliminary report. Fujita BN, et al.
Am J Obstet Gynecol 109:787-93, 1 Mar 71
Homeless men in London. I. Demographic findings in a lodging house sample. Patch IC.
Br J Psychiatry 118:313-7, Mar 71
The forgotten. 3. A single woman.
Br Med J 1:721, 27 Mar 71
Widows as a minority group. Lopata HZ.
Gerontologist 11:Suppl:67-77, Spring 71
Premarital sexual behavior, attitudes, and emotional adjustment. Diamant L. J Soc Psychol 82:75-80, Oct 70
Adolescent suicide and premarital sexual behavior. Lester D. J Soc Psychol 82:131-2, Oct 70
[Results of a nutrition survey of aged persons living alone in an urban milieu] Dupin H, et al.
Aliment Vie 58:202-12, 1970 (Fre)

SINO-ATRIAL NODE (A7)

Sino-atrial syncope. Easley RM Jr, et al.
Am J Med 50:166-77, Feb 71
Long-term ventricular pacing in treatment of sinoatrial block. Bayley TJ. Br Med J 3:456-8, Aug 71
[Surgically treated case of isolated tricuspid insufficiency accompanied by sino-atrial heart block] Irisawa T, et al.
Jap J Thorac Surg 24:270-5, Apr 71 (Jap)

CYTOLOGY

Fine structure of the impulse-conducting system in rat heart. Melax H, et al. Can J Zool 48:837-9, Jul 70

DRUG EFFECTS

Halothane and methoxyflurane--a comparison of their effects on cardiac pacemaker fibers. Reynolds AK, et al. Anesthesiology 33:602-10, Dec 70
Effects of hemicholinium and bretylium on the release of autonomic transmitters in the isolated sino-atrial node. Appel WC, et al.
Br J Pharmacol 40:268-74, Oct 70
Sinoatrial arrest: an interaction between phenytoin and lignocaine. Wood RA. Br Med J 1:645, 20 Mar 71
Pacemaker migration and sinus node arrest with methoxyflurane and halothane. Reynolds AK, et al.
Can Anaesth Soc J 18:137-44, Mar 71
Effects of 6-hydroxydopamine on the canine sinus node. Elharrar V, et al. Circ Res 28:188-98, Feb 71
The effects of noradrenaline micro-iontophoretically applied on rabbit right atrium pace-maker cells. Arrigo L, et al. J Physiol (Lond) 207:31P-33P, Mar 70
Vascular responses to catecholamine of the sinus node artery of the dog. Chiba S, et al.
Jap J Physiol 20:112-7, 15 Feb 70
Paradoxical deceleration response of the S-A node to naturally occurring catecholamines given into the sinus node artery. Hashimoto K, et al.
Tohoku J Exp Med 102:315-24, Dec 70
[Action of ouabain on transmembrane currents of frog sinoatrial myocardium] Dramane K, et al.
J Physiol (Paris) 63:43A, Mar-Apr 71 (Fre)
[Action of quinidine on transmembrane currents of frog sinoatrial myocardium] Driot P, et al.
J Physiol (Paris) 63:44A, Mar-Apr 71 (Fre)

INJURIES

Trauma to the sinuatrial node. Livesley B, et al.
Lancet 2:426, 21 Aug 71

INNERVATION

Whole-mount demonstration of cholinesterase-containing nerves in the right atrial wall, nodal tissue, and atrioventricular bundle of the pig heart. Bojsen-Moller F, et al.
J Anat 108:375-86, Apr 71
Electron microscopic investigation of adrenergic and non-adrenergic axons in the rabbit SA-node. Nilsson E, et al. Z Zellforsch Mikrosk Anat 111:404-12, 1970

METABOLISM

[Sodium transport by the slow kinetics system of the myocardial sinus membrane in rabbits] Lenfant J, et al. J Physiol (Paris) 62:Suppl 2:293, 1970 (Fre)

PHYSIOLOGY

Area localization of shifting cardiac pacemakers during sympathetic stimulation. Geesbreght JM, et al.
Am J Physiol 220:1522-7, May 71
Some thoughts concerning the nomenclature of A-V nodal arrhythmias. Chung EK.
Cardiology 55:156-63, 1970
Effect of timing of vagal stimulation on heart rate in the dog. Dong E Jr, et al. Circ Res 27:635-46, Nov 70
Neurotransmitter control of sinoatrial pacemaker frequency in isolated rat atria and in intact rabbits. Grodner AS, et al. Circ Res 27:867-73, Dec 70
Evaluation of sino-atrial node function in man by overdrive suppression. Mandel W, et al.
Circulation 44:59-66, Jul 71
A cardiac pacemaker model. Roberge FA, et al.
Med Biol Eng 9:3-12, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Probable cause of the arrhythmic and fibrillatory effects of barium ion] Sassine A.
Arch Int Pharmacodyn Ther 188:23-7, Nov 70 (Fre)
[Observations on the origin of nodal rhythms by endocavitary electrocardiography] Touboul P, et al.
Arch Mal Coeur 64:614, Apr 71 (Fre)
[Contractile response of frog sinoatrial myocardium: influence of the amplitude and time of transmembrane depolarization] Léoty C, et al.
J Physiol (Paris) 63:68A-69A, Mar-Apr 71 (Fre)
[Membrane effects of adrenaline at the level of the cardiac automatism center in the rabbit: analysis using a permeability inhibitor (manganese chloride)] Mironneau J, et al.
J Physiol (Paris) 1:Suppl 1:152, 1969 (Fre)
[Recording of electrical activity at the level of the automatism center and atrial myocardium in the rabbit] Mironneau J, et al.
J Physiol (Paris) 1:Suppl 1:190, 1969 (Fre)
[Influence of Ca++ ions and of potential on the contraction of sinoatrial fibers in frogs] Vassort G.
J Physiol (Paris) 62:Suppl 3:458, 1970 (Fre)
[Frequency potentiation and Frank-Starling mechanism in canine ventricle under sinus node rhythm and ventricular pacing] Limbourg P, et al.
Pfluegers Arch 322:250-63, 1971 (Ger)
[New data on the function of the sino-atrial node in regulating heart activity] Babskif EB, et al.
Fiziol Zh SSSR 56:1772-80, Dec 70 (Rus)
[Mechanism of suppression by high-frequency stimulation, of the automatic functioning of the cardiac pacemaker] Babskif EB, et al.
Vestn Akad Med Nauk SSSR 25:29-42, 1970 (Rus)

PHYSIOPATHOLOGY

Cardiac conduction in patients with symptomatic sinus node disease. Rosen KM, et al.
Circulation 43:836-44, Jun 71
[Arrhythmic syndrome caused by chronic depression of cardiac pacemakers] Rizzon P, et al.
Boll Soc Ital Cardiol 14:801-6, Jun 70 (Ita)
[9 cases of left atrial rhythm] Sakamoto T, et al.
Naika 27:339-41, Feb 71 (Jap)

SINTROM see ACENOCOUMAROL (D7)

SINUS ARRHYTHMIA see ARRHYTHMIA, SINUS

(C8)

SINUS THROMBOSIS (C8, C10)

CHEMICALLY INDUCED

Sagittal sinus thrombosis related to oral contraceptives. Case report. Shende MC, et al.
J Neurosurg 33:714-7, Dec 70

COMPLICATIONS

[Thrombosis of cerebral cortical veins and sagittal sinus in the puerperium] Dulberg M, et al.
Harefuah 79:213-6, 1 Sep 70 (Heb)

DIAGNOSIS

[Thrombophlebitis of the superior longitudinal sinus in children] Dumas M, et al.
Ann Pediatr (Paris) 18:208-15, 2 Mar 71 (Fre)

DRUG THERAPY

[Prolonged intra-arterial infusion of drugs in otogenic intracranial complications] Lubenskif IuM, et al.
Vestn Otorinolaringol 32:36-40, Jul-Aug 70 (Rus)

ETIOLOGY

The pathogenesis of orbital complications in acute sinusitis. Chandler JR, et al.
Laryngoscope 80:1414-28, Sep 70
[The signs of total or partial thrombosis of the upper longitudinal sinus in parasagittal meningiomas] Fohanno D, et al.
Neurochirurgie 17:25-32, Jan-Feb 71 (Fre)

RADIOGRAPHY

[3 cases of thrombosis of the superior longitudinal sinus with arteriographic documentation] Ferrari G, et al. Sist Nerv 22:12-20, Jan-Feb 70 (Ita)

SINUSITIS (C5)

[Maxillary sinusitis in newborn infants and young children] Mühler G.
Dtsch Stomatol 21:283-6, Apr 71 (Ger)
[Sinusitis in children] Nakoshi Y.
Otolaryngology (Tokyo) 42:761-4, Oct 70 (Jap)

CHEMICALLY INDUCED

[Damage to the nose and nasal sinuses in workers in an electrolytic nickel refining plant] Kucharin GM.
Gig Tr Prof Zabol 14:38-40, Sep 70 (Rus)

CLASSIFICATION

Antrostomy. I. Anthony DH.
Med Trial Tech Q 17:77-81, Sep 70

COMPLICATIONS

Sinusitis in children with cleft lip and palate. Jaffe BF, et al. Arch Otolaryngol 93:479-82, May 71
Extradural hematoma following frontal sinusitis. Report of a case and review of the literature. Rajput AJ, et al. Arch Otolaryngol 94:83-6, Jul 71
Vacuum headache. Shapiro SL.
Eye Ear Nose Throat Mon 49:414-7, Sep 70
The pathogenesis of orbital complications in acute sinusitis. Chandler JR, et al.
Laryngoscope 80:1414-28, Sep 70
The sinobronchial syndrome: an old fashioned, modern-day entity. Singleton MA.
South Med J 64:754-6, Jun 71
[Influence and mutual reaction of sinus diseases in hypersensitivity of the bronchi] Dietzel K, et al.
Bronches 18:530-3, Nov-Dec 68 (Fre)
[Hyperostosis frontalis interna and chronic rhinosinusal diseases] Ammar-Khodja A.
J Fr Otorhinolaryngol 20:57-8, Jan 71 (Fre)
[Ethmoidomaxillary sinusitis with oculo-orbital symptomatology and particularly slow development (31 years)] Faucher.
Rev Laryngol Otol Rhinol (Bord) 92:89-91, Jan-Feb 71 (Fre)
[Endocranial otogenic and rhinogenic complications. Cases observed in 13 years at the O.R.L. Clinic] Greiner G, et al.
Rev Otoneuroophtalmol 42:294-8, Jul-Aug 70 (Fre)
[Case of a most severe rhinogenic, endocranial complication] Mitschke H.
Monatsschr Ohrenheilkd Laryngorhinol 104:469-73, 1970 (Ger)
[Focal infection of nasal origin] Nosaka Y.
Otolaryngology (Tokyo) 42:891-5, Nov 70 (Jap)
[Our experience in the causes and treatment of recurrences of sinusitis] Tetu I, et al.
Otorinolaringologie 15:441-4, Nov-Dec 70 (Rum)
[Relation of upper respiratory tract diseases to chronic pneumonia in children] Gadzhimirzaev GA.
Vestn Otorinolaringol 32:45-50, Nov-Dec 70 (Rus)
[Rhinogenic abscess of the temporal lobe of the brain] Grigor'ev GM, et al.
Vestn Otorinolaringol 32:101-2, Jul-Aug 70 (Rus)
[Significance of pathology of the oro- and nasopharynx in the etiology and course of chronic pneumonia in children] Al'tman EM.
Zh Ushn Nos Gori Bolezn 30:86-9, Jul-Aug 70 (Rus)

DIAGNOSIS

Histaminic cephalalgia differentiated from acute nasal sinusitis. Ryan RE.
Eye Ear Nose Throat Mon 49:217-20, May 70
"Doctor, I've got sinus. Shapiro SL.
Eye Ear Nose Throat Mon 49:230-3, May 70
Thermosinuography. Willman MK.
J Am Osteopath Assoc 70:441-9, Jan 71
[Diagnosis and treatment of ethmoiditis in early infancy] Schmitz EJ.
Kinderaerztl Prax 38:123-8, Mar 70 (Ger)
[Symptoms of purulent maxillary sinusitis in infancy and childhood] Kollár D, et al.
Monatsschr Kinderheilkd 117:628-31, Jan 69 (Ger)
[Chronic bronchitic and sino-bronchitic syndrome in childhood from the bronchologist's viewpoint] Doesel H. Prax Pneumol 24:677-90, Nov 70 (Ger)
[Sinusitis maxillaris in infants and small children] Mühler G.
Z Laryngol Rhinol Otol 50:255-60, Apr 71 (Ger)
[Diagnostic value of the diameatic puncture of the maxillary sinus in odontogenic sinus diseases] Di Lauro F, et al.
Arch Stomatol (Napoli) 10:239-43, Jul-Sep 70 (Ita)
[Diagnostic value of the diameatic puncture of the maxillary sinus in odontogenic sinus diseases] Di Lauro F, et al.
Arch Stomatol (Napoli) 10:239-43, Jul-Sep 69 (Ita)
[Use of machine punch cards for studying clinical aspects of highmoritis] Kolomiftsev VP, et al.
Vestn Otorinolaringol 32:54-8, Jul-Aug 70 (Rus)
[Clinical aspects, diagnosis and treatment of fungal highmoritis] Kunel'skaia VIa.
Vestn Otorinolaringol 32:49-54, Jul-Aug 70 (Rus)
[Clinical and x-ray parallels of the state of the Highmore sinuses in flight personnel] Nakapkin OA, et al. Voen Med Zh 1:61-3, Jan 71 (Rus)
[Clinical studies of highmoritis with the aid of punched cards; preliminary report] Kolomiftsev VP.
Zh Ushn Nos Gori Bolezn 29:82-94, Jul-Aug 69 (Rus)

DRUG THERAPY

Treatment of sinusitis with a nitrofurazone--phenylephrine preparation. Murray M.
Eye Ear Nose Throat Mon 50:82-6, Feb 71
Local antibiotic therapy in maxillary sinusitis. Van Hoorn JG. Pract Otorhinolaryngol (Basel) 32:185, 1970
[Clinical, rhinorheometric and sonomanometric study of the effects of F.F. 65 in rhinosinusal and tubal pathology] Riu R, et al.
Rev Corps Sante Armees 9:365-76, Jun 68 (Fre)
[A new drug used for nasal pulverizations] Caillieres.
Rev Laryngol Otol Rhinol (Bord) 90:251-3, Mar-Apr 69 (Fre)
[Enzyme therapy with alpha chymotrypsin in inflammatory diseases of the maxillary sinus] Müller D, et al. HNO 18:272-4, Sep 70 (Ger)
[Modern conservative sinus treatment in the hospital and general practice] Schobel H.
Wien Med Wochenschr 120:840-3, 19 Sep 70 (Ger)
[Post-operative therapy of nasal allergy and chronic sinusitis--with special reference to the use of histaglobin] Mishima N.
Otolaryngology (Tokyo) 43:163-70, Feb 71 (Jap)
[Therapeutic value of HS-592 preparation in the light of clinical and experimental studies] Semczuk B, et al.
Otolaryngol Pol 25:179-85, 1971 (Pol)
[Action of 127-F in nasal sinus diseases] Albernaz PL, et al. Hospital (Rio de J) 77:1959-63, Jun 70 (Por)

ETIOLOGY

Sinusitis in children. Rulon JT.
Postgrad Med 48:107-12, Aug 70
[Maxillary sinusitis of dental origin] Lopez A, et al.
Cah Coll Med Hop Paris 10:259-67, 15 Apr 69 (Fre)
[Complications of alveolo-dental ligament disorders (monoarthritis)] Trévoux M.
Cah Coll Med Hop Paris 10:807-13, Aug 69 (Fre)
[Factors of allergic sensitization in the infections of the nasal and paranasal sinuses] Baudry M, et al.
Rev Laryngol Otol Rhinol (Bord) 90:71-7, Jan-Feb 69 (Fre)
[Sinusal reaction after nasal surgery] Giguère P, et al.
Union Med Can 100:1589-71, Aug 71 (Fre)
[Paranasal sinusitis and atopic allergy] Sekine K.
J Otolaryngol Jap 73:1595-619, Oct 70 (Jap)
[Sinusitis during para-influenza and Hong Kong 68 influenza A2] Grushinskaia IA, et al.
Vestn Otorinolaringol 33:59-62, Jan-Feb 71 (Rus)
[Pneumocephalus, nasal liquorrhea, brain abscess and suppurative frontethmoiditis following craniocerebral injury with lesion of the paranasal sinuses] Murzin VE, et al.
Zh Ushn Nos Gori Bolezn 31:91-2, May-Jun 71 (Rus)
[Microflora of affected upper jaw sinuses, buccal and nasal cavities in patients with odontogenic chronic antritis] Martiniuk BN, et al.
Mikrobiol Zh 32:230-7, 1970 (Ukr)

IMMUNOLOGY

Capsular B and somatic antibodies against Haemophilus influenzae. Branefors-Helander P.
Acta Pathol Microbiol Scand [B] 79:447, 1971

METABOLISM

[Histochemical demonstration of polysaccharides in the mucosa of the upper and lower airways in chronic sino-bronchitis (comparative study)] Gerth B.
Z Erkr Atmungsorgane 132:223-5, 1970 (Ger)
[Glycogen distribution in the mucous membrane in chronic sinusitis in man] Ito H.
Otolaryngology (Tokyo) 42:923-9, Nov 70 (Jap)

MICROBIOLOGY

[Staphylococcal flora of the nose and sensitization of staphylococcal antigen in patients with rhinitis and sinusitis] Gorshevikova EV.
Zh Ushn Nos Gori Bolezn 30:59-62, Jul-Aug 70 (Rus)

OCCURRENCE

[Results of studies on the occurrence of chronic bronchitis in diseases of the upper respiratory tract] Brasch C, et al.
Allerg Asthma (Leipz) 15:287-90, 1969 (Ger)
[Incidence and symptoms of paranasal sinusitis in children] Ganz H, et al.
Med Monatsschr 24:482-8, Nov 70 (Ger)
[The significance of climate for upper respiratory tract diseases in children] Gundersen T, et al.
Tidsskr Nor Laegeforen 91:939-43, 10 May 71 (Nor)

PATHOLOGY

[Sinusitis from the histological viewpoint] Sazama L.
Dtsch Stomatol 21:261-5, Apr 71 (Ger)

PHYSIOPATHOLOGY

[On changes of nucleic acids in some nasal sinus inflammations] Lazeanu M, et al.
Otorinolaringologie 16:55-64, Jan-Feb 71 (Rum)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

[Odontogenic inflammation of the maxillary sinus] Bethmann W. Dtsch Stomatol 21:257-61, Apr 71 (Ger)
[Axial transverse tomography applied to diseases of paranasal sinus] Matsuda T, et al. Nippon Acta Radiol 30:55-63, Jan 71 (Jap)
[Method of roentgenological examination of the accessory nasal sinuses in acute sinusitis in the polyclinic] Zhidikhanov KA, et al. Vestn Otorinolaringol 32:119, Sep 70 (Rus)

SURGERY

Optic atrophy following Caldwell-Luc procedure. Griffiths JD, et al. Arch Ophthalmol 86:15-8, Jul 71
On some changing concepts in the treatment of frontal sinusitis. Eye Ear Nose Throat Mon 50:277-80, Jul 71
Infection of the maxillary sinus: the case for the middle meatal antrostomy. Lavelle RJ, et al. Laryngoscope 81:90-106, Jan 71
Antrostomy. II. Anthony DH. Med Trial Tech Q 17:181-5, Dec 70
Modern indications for sinus surgery. Bordley JE. Trans Pac Coast Otoophthalmol Soc 50:281-302, 1969 (2 ref.)
[The Caldwell-Luc operation before and now] Pursiainen K. Sotilaslaak Aikak 45:79-81, 1970 (Fin)
[Surgical obliteration of the frontal sinus] Melon J. Acta Otorhinolaryngol Belg 24:776-88, 1970 (Fre)
[Frontal osteitis with extra-dural abscess following a wrong indication of frontal trepano-puncture] Bouche J, et al. Ann Otolaryngol Chir Cervicofac 88:194-6, Mar 71 (Fre)
[Loss of vision in an eye after sinusitis surgery] Dédodati F, et al. Bull Soc Ophtalmol Fr 69:1123-6, Dec 69 (Fre)
[Crenotherapy after re-operations in the nasopharyngeal region] Kulev A. Otorinolaringologie 16:197-9, May-Jun 71 (Fre)
[Plug closure of the afferent pathway of the frontal sinus using Beck's method (case report)] Emtiaz MS. HNO 17:56, Feb 69 (Ger)
[Experiences with endonasal maxillary sinus surgery by the Lothrop-Claoué method] Heckenast O. HNO 18:171-3, Jun 70 (Ger)
[Possibilities and limitations of surgical therapy in sino-broncho-pulmonary syndrome] Minnigerode B. HNO 17:33-7, Feb 69 (Ger)
[Surgery of chronic frontal sinus disease] Roseburg B, et al. Monatsschr Ohrenheilkd Laryngorhinol 104:540-5, 1970 (Ger)
[Maxillary sinus surgery. (Report on the cases of patients in the years 1964-1968)] Fuchs H, et al. Z Aerztl Fortbild (Jena) 65:19-22, 1 Jan 71 (Ger)
[Observation on the postoperative healing process of maxillary sinusitis within the sinus cavity after the maxillary osteoplastic operation by the Ogino and Caldwell-Luc method] Matsuyama T, et al. Otolaryngology (Tokyo) 43:133-7, Feb 71 (Jap)
[Clinical experience using Ketalar in the surgery of sinusitis] Nakamura A. Otolaryngology (Tokyo) 43:557-61, 1971 (Jap)
[Shimizu's oral paranasal method] Shimizu T. Otolaryngology (Tokyo) 43:289-89, Apr 71 (Jap)
[Refractivity in surgical treatment of chronic sinusitis] Takahashi R. Otolaryngology (Tokyo) 42:753-6, Oct 70 (Jap)

THERAPY

Air embolism. Shapiro SL. Eye Ear Nose Throat Mon 50:32-6, Jan 71
The infected sinus. Hammond VT. Practitioner 205:751-6, Dec 70
[Treatment of sinusitis in children] Berezin A. Cah Coll Med Hop Paris 10:297-302, 15 Apr 69 (Fre)
[Respective roles of specific, general and local treatments of naso-sinus allergy] Bourdial J. Cah Coll Med Hop Paris 10:543-57, 15 Jun 69 (Fre)
[Diagnosis and treatment of ethmoiditis in early infancy] Schmitz EJ. Kinderaerztl Prax 38:123-8, Mar 70 (Ger)
[Frontal and ethmoidal sinusitis. (Report of ambulatory treated patients in the years 1959-1968)] Görisch I, et al. Z Aerztl Fortbild (Jena) 65:14-9, 1 Jan 71 (Ger)
[Sinusitis] Akaike K. Otolaryngology (Tokyo) 42:757-60, Oct 70 (Jap)
[Treatment with Lantigen B of chronic sinusitis in adults] Biernacik I. Otolaryngol Pol 25:219-22, 1971 (Pol)
[Treatment of bronchosinusitis] Benevides W. Rev Bras Med 27:445-8, Sep 70 (Por)
[Use of microwaves in otorhinolaryngology] Nikolaevskaia VP. Nov Med Priborostr 3:77-80, 1967 (Rus)
[Clinical aspects, diagnosis and treatment of fungal highmoritis] Kunel'skaia VIa. Vestn Otorinolaringol 32:49-54, Jul-Aug 70 (Rus)
[Device for complete removal of irrigation fluid from the maxillary sinus] Stoiukhin LA. Vestn Otorinolaringol 32:83, Nov-Dec 70 (Rus)
[Treatment of highmoritis with irrigation and instillation of antibiotics] Kovalev PV. Voen Med Zh 11:61-2, Nov 70 (Rus)
[Procedure of desensitization with microbe allergens in bronchial asthma and rhinosinusopathy of infectious allergic nature] Sidorenko EN. Zh Ushn Nos Gorl Bolezn 29:67-72, Jul-Aug 69 (Rus)

SIRENOMELIA see under ECTROMELIA (C16)

SITUS INVERSUS (C16)

The left-sided appendix and associated abnormalities. Wyndham N. Med J Aust 2:726-7, 17 Oct 70
[Ivemark's syndrome (spleen agenesis-syndrome)] Féaux de Lacroix W, et al. Med Welt 27:1109-12, 10 Jul 71 (Ger)
[2 cases of abnormal intestinal rotation] Di Tondo U, et al. Folia Hered Pathol (Milano) 18:15-8, Jan 69 (Ita)
[Syndrome of caudal dysplasia] Masteila G. Fracastoro 62:95-102, Jan-Feb 69 (Ita)
[2 cases of endocardial cushion defect with the vena cava draining into left side of the atrium] Kudo T, et al. Jap J Thorac Surg 24:278-83, Apr 71 (Jap)
[Anomalies of venous drainage in a case of levocardia and a healthy heart] Valle Tudela V, et al. Rev Esp Cardiol 23:265-74, Jun 70 (Spa)

COMPLICATIONS

Situs inversus totalis with adenocarcinoma of the cecum: case report. Wright CB, et al. Am Surg 37:65-6, Feb 71
Pericarditis complicating congenital dextrocardia with situs inversus. Malhotra V, et al. Indian Heart J 22:41-6, Jan 70
Treatment of esophagitis in mirror image transposition. Case report. Thomas TV. Mo Med 68:819-21, Aug 71
[Psychic disorders and situs inversus] Ruel M, et al. Ann Med Psychol (Paris) 1:566-74, Apr 71 (Fre)
[Tetralogy of Fallot associated with situs inversus] Amichot JL, et al. Mars Med 107:629-35, 1970 (Fre)
[A case of single ventricle with pulmonary stenosis and discordance between the ventricular loop and position of the great vessels] Santoli C, et al. G Ital Cardiol 1:164-7, 1971 (Ita)
[Cholecystolithiasis in a woman with situs viscerum inversus] Kandziora J, et al. Wiad Lek 24:585-6, 15 Mar 71 (Pol)
[Gastric resection for peptic ulcer in a female with complete situs inversus] Veselov VS, et al. Khirurgiia (Mosk) 46:136-7, Jun 70 (Rus)
[Levocardia with total abdominal situs inversus. Intracardiacal multiple abnormalities] De los Arcos E, et al. Rev Esp Cardiol 24:143-9, Jan-Feb 71 (Spa)

DIAGNOSIS

[Left sided gallbladder] Yamazaki M, et al. Rinsho Hoshasen 15:841-5, Nov 70 (Jap)

PATHOLOGY

Primary right varicocele. Grillo-López AJ. J Urol 105:540-1, Apr 71

SURGERY

Vagotomy in situs inversus totalis. Hennessy TP. J Ir Med Assoc 63:297, Aug 70
[Developmental anomalies in the position of abdominal viscera in children] Chojnacki W, et al. Pediatr Pol 45:1481-6, Dec 70 (Pol)

SIZE PERCEPTION (F1)

Oral and manual stereognosis and two-point tactile discrimination of the tongue. Laine P, et al. Acta Odontol Scand 29:197-204, Jun 71
The exploration of transition rules in conservation of quantity (substance) using film mediated modeling. Waghorn L, et al. Acta Psychol (Amst) 33:65-80, Jan 70
Effect of cross-continuum anchors. Aftanas MS, et al. Am J Psychol 81:559-65, Dec 68
The effect of separation between test and comparison objects on size constancy at various age-levels. Brislin RW, et al. Am J Psychol 83:372-6, Sep 70
A test of a perspective theory of geometrical illusions. Massaro DW, et al. Am J Psychol 83:567-75, Dec 70
Achievement as a criterion in perceptual organization. Rodwan AS. Am J Psychol 81:535-42, Dec 68
The effects of size and distance on magnitude estimations of apparent size. Teghtsoonian R, et al. Am J Psychol 83:601-12, Dec 70
A developmental study of size constancy for two-versus three-dimensional stimuli. Kubzansky PE, et al. Child Dev 42:633-5, Jun 71
Effects of personality factors and increased eye movement on a size-matching measure of scanning. Haley GA. J Abnorm Psychol 77:303-7, Jun 71
Thematic content and trials effects in the size estimation of meaningful stimuli. Strauss ME. J Abnorm Psychol 76:276-8, Oct 70
Scanning, stress, and the defense profile. Hoffman HE. J Clin Psychol 27:199-202, Apr 71
Size discrimination in children facilitated by changes in task difficulty. May RB, et al. J Comp Physiol Psychol 75:453-8, Jun 71
Size estimation in schizophrenic and nonschizophrenic subjects. Kopfstein JH, et al. J Consult Clin Psychol 36:430-5, Jun 71
Stimulus mode and the conservation of weight and number. Murray FB. J Educ Psychol 61:287-91, Aug 70
The control of relative size by pictorial depth cues in children and adults. Wilcox BL, et al. J Exp Child Psychol 11:413-29, Jun 71
Judgmental model of the Ebbinghaus illusion. Massaro DW, et al. J Exp Psychol 89:147-51, Jul 71
Input and output transformations from magnitude estimation. Rule SJ, et al. J Exp Psychol 86:343-9, Dec 70
Eye elevation and visual space in monocular regard. Thor DH, et al. J Exp Psychol 86:246-9, Nov 70
Retinal vs. phenomenal determinants of the horizontal-vertical illusion. Begelman DA, et al. J Gen Psychol 85:77-85, Jul 71
Electrophysiological evidence for the existence of orientation and size detectors in the human visual system. Campbell FW, et al. J Physiol (Lond) 207:635-52, May 70
The oral assessment of object size. Dellow PG, et al. J Speech Hear Res 13:526-36, Sep 70
Intersensory integration of selected spatial dimensions: extension to an adult sample. Abravanel E. Percept Mot Skills 32:479-84, Apr 71
Differences in the size of drawings of an important symbol as a function of level of conceptual system functioning. Greaves G. Percept Mot Skills 32:54, Feb 71
Effects of anchor stimuli on category and ratio scaling. Huckabee MW. Percept Mot Skills 32:831-9, Jun 71
Effects of short-term sensory isolation upon stereoscopic size and distance. Lawson RB, et al. Percept Mot Skills 32:571-7, Apr 71
An hypothesis concerning the relation between drive and size estimation for paranoids and nonparanoids within specific schizophrenic subgroups. Magaro PA. Percept Mot Skills 31:489-90, Oct 70
Size estimation in schizophrenia: some additional controls. Neale JM, et al. Percept Mot Skills 32:363-7, Apr 71
An explantation of Cooper and RUNYON's results on the Mueller-Lyer illusion. Pressey AW, et al. Percept Mot Skills 32:564-6, Apr 71
Note on word frequency as a factor in perception of category size. Thompson CP. Percept Mot Skills 30:301-2, Feb 70
Size and distance judgements in the vertical plane under water. Ross HE, et al. Psychol Forsch 33:155-64, 1970
Conservation of mass, weight, and volume in intermediate grades. Bat-Haee MA. Psychol Rep 28:163-8, Feb 71
An experimental and theoretical appraisal of the perspective and size-constancy theories of illusions. Fisher GH. Q J Exp Psychol 22:631-52, Nov 70
Lateral dominance in the perception of size and of pain. Hasiam DR. Q J Exp Psychol 22:503-7, Aug 70
Oral tactility during chewing. Owall B. Scand J Dent Res 78:431-4, 1970
Independence of evoked potentials and apparent size. Regan D, et al. Vision Res 11:679-84, Jul 71
[Various observations on the visual integration of the 3 dimensions in space] Costermans J, et al. Annee Psychol 70:377-89, 1970 (Fre)
[The effect of apparent size difference on the movement threshold with synchronized size of the stimulated area of the retina] Kano C. Psychol Forsch 33:242-53, 1970 (Ger)
[Studies on living space representation in size-valence linkage. A conditional analytic contribution to the problem of social perception] Naatz T. Z Exp Angew Psychol 17:277-95, 1970 (Ger)
[The role of intervals between absolute and relative stimuli in their successive differentiation] Zakher IuIa. Zh Vyssh Nerv Deiat 21:301-3, Jan-Feb 71 (Rus)
[Conditioned reflexes in brown bears to relative and absolute values of cues] Zakher IuIa. Zh Vyssh Nerv Deiat 21:606-8, 1971 (Rus)

SJOGREN'S SYNDROME (C3, C4, C11)

Marinesco-Sjögren-Garland syndrome with unusual features. Ron MA, et al. J Neurol Sci 13:175-9, Jun 71
Sjögren's syndrome. South Med J 64:190-3, Feb 71
[Gougerot-Sjögren syndrome. A disorder of the thelio-lymphatic organs] Louwagie AC, et al. Ned Tijdschr Geneeskd 114:1575-8, 19 Sep 70 (Dut)
[Disseminated lupus erythematosus and Gougerot-Sjogren's syndrome] Beauvais M. Rev Stomatol Chir Maxillofac 72:583-90, Jul-Aug 71 (Fre)
[Sjogren's syndrome] Abbakumov SA, et al. Ter Arkh 43:16-9, Mar 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Sjögren's syndrome] Bascones Martinez A.
An Esp Odontoestomatol 29:363-74, Sep-Oct 70 (Spa)
[Sjogren's syndrome] Ortega A, et al.
Rev Clin Esp 121:93-6, 15 Apr 71 (Spa)

BLOOD

[Clinical and hematologic manifestations in Sjögren's syndrome] Böhme A.
Z Aerztl Fortbild (Jena) 65:244-8, 1 Mar 71 (Ger)

CLASSIFICATION

Chronic punctate parotitis. Hemenway WG.
Laryngoscope 81:485-509, Apr 71

COMPLICATIONS

Relationship of systemic lupus erythematosus (SLE) to rheumatoid arthritis (RA), discoid lupus erythematosus (DLE) and Sjögren's syndrome. A clinical study. Benoze G.
Acta Rheumatol Scand 16:191-6, 1970
Sjögren's syndrome associated with vitamin B12 deficiency. Wegelius O, et al.
Acta Rheumatol Scand 16:184-90, 1970
Sjögren's syndrome in psoriatic arthritis, ankylosing spondylitis and Reiter's syndrome. Whaley K, et al.
Acta Rheumatol Scand 17:105-14, 1971
The coexistence of Sjögren's syndrome and systemic lupus erythematosus. Steinberg AD, et al.
Ann Intern Med 74:55-61, Jan 71
"Sicca complex" in liver disease. Golding PL, et al.
Br Med J 4:340-2, 7 Nov 70
Xerostomia in Sjögren's syndrome. Evaluation by sequential salivary scintigraphy. Schall GL, et al.
JAMA 216:2109-16, 28 Jun 71
Thrombotic thrombocytopenic purpura complicating Sjögren's syndrome. Steinberg AD, et al.
JAMA 215:757-61, 1 Feb 71
Thrombotic thrombocytopenic purpura complicating Sjögren's syndrome. Steinberg AD, et al.
JAMA 215:257-61, 1 Feb 71
Sjögren's syndrome with pulmonary fibrosis, Waldenstrom's hyperglobulinaemic purpura and immune paresis. Gumpel JM.
Proc R Soc Med 64:397, Apr 71
[Familial scleroderma with Sjogren's syndrome and lymphocyte and chromosome abnormalities] Camus JP, et al.
Ann Med Interne (Paris) 121:149-61, Feb 70 (Fre)
[Waldenstrom's hyperglobulinemic purpura and Gougerot-Sjogren syndrome] Bonjean M, et al.
Bull Soc Fr Dermatol Syphiligr 76:364-6, 1969 (Fre)
[Amelioration of Gougerot-Sjögren syndrome by hyperfunctional fistulizing cicatrix with spontaneous microfiltration] Duran L, et al.
Bull Soc Ophtalmol Fr 69:622-3, May-Jun 69 (Fre)
[Corneal complications of Gougerot-Sjögren syndrome] Robin A, et al.
Bull Soc Ophtalmol Fr 69:977-81, Nov 69 (Fre)
[Waldenstrom's hyperglobulinemic purpura and Gougerot-Sjoegren syndrome] Bonjean M, et al.
Lyon Med 221:1023-4, 27 Apr 69 (Fre)
[Systemic erythematodes with Sjögrn's syndrome] Okuda M, et al. Naika 28:383-8, 1971 (Jap)
[Development of reticulosarcoma in the course of Sjogren's syndrome] Grymiński J, et al.
Gruzlica 38:1001-9, Oct 70 (Pol)
[Sjogren's syndrome, diffuse pulmonary fibrosis and circulating intermediate complexes] Astorga G, et al.
Rev Med Chil 98:633-6, 1970 (Spa)

DIAGNOSIS

Differential diagnosis in Mikulicz's syndrome, Mikulicz's disease, and similar disease entities. Meyer D, et al. Am J Ophthalmol 71:516-24, Feb 71
Malignant histopathologic counterpart of the benign lymphoepithelial lesion. Gravanis MB, et al.
Cancer 26:1332-42, Dec 70
Punch-biopsy of minor salivary glands in the diagnosis of Sjögren's syndrome. Bertram U, et al.
Scand J Dent Res 78:295-300, 1970
[Early diagnosis of rheumatoid polyarthritis] Fallet GH.
Schweiz Med Wochenschr 100:2110-6 concl, 5 Dec 70 (138 ref.) (Fre)
[The diagnostic value of the so-called Sjögren cells] Urbaszek W, et al.
Z Gesamte Inn Med 25:795-803, 1 Sep 70 (Ger)
[Diagnostic value of palatal salivary gland biopsy in Sjogren's syndrome] Sliwowska W, et al.
Reumatologia 9:59-66, 1971 (Pol)

DRUG THERAPY

[Original therapeutic endeavor for the Gougerot-Sjögren syndrome] Bonnet M, et al.
Bull Soc Ophtalmol Fr 69:615-22, May-Jun 69 (Fre)
[Use of physalaemin in the treatment of Sjogren's disease] Tamborini A, et al.
Ann Ottalmol Clin Ocul 95:945-60, Dec 69 (Ita)
[Immunosuppression in Sjogren's syndrome with a pseudo-leukemic lymphocyte reaction] Orlowski Z, et al. Pol Tyg Lek 25:1588-9, 19 Oct 70 (Pol)

ETIOLOGY

Sicca syndrome due to primary amyloidosis. Kuczynski A, et al. Br Med J 2:506, 29 May 71

IMMUNOLOGY

Serum immune globulins in Sjögren's syndrome. Gumpel JM, et al. Ann Rheum Dis 29:681-3, Nov 70
Cellular immune mechanisms in rheumatoid arthritis and Sjögren's syndrome. Whaley K, et al.
Ann Rheum Dis 30:333-3, May 71
[Mixed cryoglobulinemia with Gougerot-Sjögren's syndrome] Guilaine J, et al.
Bull Soc Fr Dermatol Syphiligr 77:751-3, 1970 (Fre)

METABOLISM

Hypogammaglobulinemia associated with accelerated catabolism of IgG secondary to its inteaction with an IgG-reactive monoclonal IgM. Waldmann TA, et al.
J Clin Invest 50:951-9, Apr 71
[Hypolacrimation and the sicca syndrome (dry eye)] Sakaguchi K.
Folia Ophthalmol Jap 22:57-61, Feb 71 (Jap)

PATHOLOGY

Ultrastructural findings in a case of benign lymphoepithelial lesion (Sjögen's syndrome). Boquist L, et al. Acta Otolaryngol (Stockh) 70:216-26, Sep 70
Sjögren's syndrome, lymphoproliferation, and renal tubular acidosis. Talal N.
Ann Intern Med 74:633-4, Apr 71
Eye changes in autoimmune NZB and NZB x NZW mice. Comparison with Sjögren's syndrome. Kessler HS, et al. Arch Ophthalmol 85:211-9, Feb 71
Sjogren's syndrome.
Arthritis Rheum 13:503-5, Sep-Oct 70
[Autopsy case of Sjogren's syndrome] Yamagiwa H, et al. Naika 27:189-94, Jan 71 (Jap)

RADIOGRAPHY

[Sialography in Sjogren's syndrome] Martínez Martínez RA, et al. Rev Invest Clin 22:171-6, Apr-Jun 70 (Spa)

THERAPY

[Treatment of Goujerot-Sjogren syndrome] Bonnet M.
Ann Ocul (Paris) 203:775-83, Aug 70 (Fre)

SKELETAL AGE MEASUREMENT see AGE

DETERMINATION BY SKELETON (E1)

SKELETON (A2)

A new procedure for whole-mount alcian blue staining of the cartilaginous skeleton of chicken embryos, adapted to the clearing procedure in potassium hydroxide. Simons EV, et al.
Acta Morphol Neerl Scand 8:281-92, May 71
Transduction and skeletal evolution. Mourant AE.
Nature (Lond) 231:466-7, 18 Jun 71
Metrical and non-metrical measurements on the skeletal remains of Christian populations from two sites of Sudanese Nubia. I. Knip AS.
Proc K Ned Akad Wet [Biol Med] 73:433-50 contd, 1970
The prediction of skeletal weight in vitro. Horsman A, et al. Proc R Soc Med 64:153, Feb 71
[Anthropological study on the lower extremities of the Edo period people, excavated from Kuwashima Island in Ushibuka city, southern Amakusa district, Kumamoto Prefecture. II. Skeleton of the leg] Tateshi G.
J Kumamoto Med Soc 44:1116-29, 25 Nov 70 (Jap)
[Medico-legal and archaeological data regarding a 288-year-old burial] Rubezhanskiĭ AF, et al.
Sud Med Ekspert 13:11-3, Apr-Jun 70 (Rus)

ABNORMALITIES

Chemical and enzymic studies of a family with skeletal abnormalities associated with mental retardation. Clausen J, et al. Clin Chim Acta 29:197-207, Aug 70
The developmental effects of congenital hydrocephalus (ch) in the mouse. Green MC.
Dev Biol 23:585-608, Dec 70

ANALYSIS

[Some data from spectral studies on the bone tissue of Tzar Ivan IV, his sons and Prince Skopin-Shuĭskiĭ] Prozorovskiĭ VI, et al.
Sud Med Ekspert 13:7-11, Apr-Jun 70 (Rus)

ANATOMY & HISTOLOGY

Metrical and non-metrical measurements on the skeletal remains of Christian populations from two sites in Sudanese Nubia. II. Knip AS.
Proc K Ned Akad Wet [Biol Med] 73:451-68, 1970

EMBRYOLOGY

[Skeleton of trunk and extremities of a human embryo with craniorhachischisis] Dzialias S.
Z Anat Entwicklungsgesch 131:212-27, 1970 (Ger)

SKF 525-A see PROADIFEN (D13)

SKIING (E2)

Trauma Rounds. Montreal General Hospital. Fractured orbit (Case P67). Can Med Assoc J 103:1077-8, 1 Nov 70
Winter isn't so very far away. Williams B.
Can Nurse 66:48-50, Nov 70
An unusual skiing accident; a case report. Galinski AW.
J Am Podiatry Assoc 60:402-4, Oct 70
Altitude and skiing. Stiles MH.
J Maine Med Assoc 62:139-41, Jun 71
Medical aspects of skiing. Stiles MH.
J Maine Med Assoc 62:136-8, Jun 71
The epidemiology of ski injuries. Garrick JG.
Minn Med 54:17-8, Jan 71
Injury prevention. Voorhees RL.
Minn Med 54:19-23, Jan 71
"The long-scarf syndrome"--a new health hazard. Habal MB, et al. N Engl J Med 284:734, 1 Apr 71
Water-skiing injuries. Paterson DC.
Practitioner 206:855-61, May 71
Snow skiing. Brumfield RH Jr.
Va Med Mon 98:436-40, Aug 71
[Influence of 1 week ski-training in obese persons on reducing diet] Kříž V, et al.
Vnitr Lek 17:678-85, Jul 71 (Cze)
[Oculo-orbital injuries of skiers] Dèodati F, et al.
Ann Ocul (Paris) 202:953-67, Sep 69 (Fre)
[Long-term ECG studies on the problem of heart loading during descent in skiing in the elderly] Philippen R, et al. Med Welt 46:1985-90, 14 Nov 70 (Ger)
[Etiology and therapy of the deep transverse fractures of the leg] Ahrer E, et al.
Monatsschr Unfallheilkd 72:259-68, Jun 69 (Ger)
[Head injuries caused by the slinging of the ski on the catch strap] Kloss K, et al.
Monatsschr Unfallheilkd 74:135-9, Mar 71 (Ger)
[Typical above-the-boot fractures] Müller V.
Monatsschr Unfallheilkd 74:129-34, Mar 71 (Ger)
[The role of the adrenergic beta-receptors in emotional tachycardia; radiotelemetric studies on ski jumpers] Blattler K, et al.
Schweiz Z Sportmed 17:131-49, 1969 (Ger)
[Prevention of ski accidents by safety bindings. Examination on injured skiers] Ehrensperger TP, et al. Schweiz Z Sportmed 18:145-70, 1970 (Ger)
[Carbohydrate and lipid metabolism in 15-km ski competition] Howald H, et al.
Schweiz Z Sportmed 19:41-60, 1971 (Ger)
[Radiotelemetric heart frequency measurements in long distance ski competition] Imhof P, et al.
Schweiz Z Sportmed 19:27-39, 1971 (Ger)
[Changes in plasma volume, hematocrit and body weight in long-distance skiers] Keller HM, et al.
Schweiz Z Sportmed 19:61-74, 1971 (Ger)
[Experiences with Tanderil in winter sport injuries] Vogel O. Ther Ggw 110:228 passim, Feb 71 (Ger)
[2. report on American research on ski accident prevention] Fischer R.
Z Unfallmed Berufskr 63:220-2, 1970 (Ger)
[Safety bindings as protection against leg injuries in downhill skiing] Westlin NE.
Lakartidningen 68:1729-36, 7 Apr 71 (Swe)
[Fractures from ski lifts] Sandegård J, et al.
Nord Med 85:217, 18 Feb 71 (Swe)
[Some data on hemodynamics in skiers in mountains of medium high altitude] Sokolov IV.
Fiziol Zh 14:760-7, Nov-Dec 68 (Ukr)

HISTORY

Skiing down through the years. Tucker RC.
Minn Med 54:61-9, Jan 71

SKIN (A1)

Direct recovery of histamine from cutaneous anaphylaxis in man. Sondergaard J, et al.
Acta Derm Venereol (Stockh) 51:96-100, 1971
Hand washing. Quantitative studies on skin lipid removal by soaps and detergents based on 1500 experiments. Kirk JE.
Acta Derm Venereol [Suppl] (Stockh) 1-183, 1966
Sex differences in skin colour in man. Kalla AK, et al.
Acta Genet Med Gemellol (Roma) 19:472-6, Jul 70
Serum lipids, skin-fold thickness, body bulk, and body weight of native Cape Verdeans, New England Cape Verdeans, and United States factory workers. Albrink MJ, et al. Am J Clin Nutr 24:344-52, Mar 71
Skin-fold thickness and muscle size: implications for developmental status and nutritional evaluation of children from Honduras. Frisancho AR, et al.
Am J Clin Nutr 24:541-6, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ethnic differences in skin-fold thickness. Robson JR, et al. Am J Clin Nutr 24:864-8, Jul 71
A simple bolus mould for increasing surface dose with high energy beams. Scheele RV, et al. Am J Roentgenol Radium Ther Nucl Med 112:764-5, Aug 71
Penetration of the skin by Gnathostoma spinigerum larvae. Daengsvang S, et al. Ann Trop Med Parasitol 64:399-402, Sep 70
Collection of skin lipids. Schmid P. Arch Dermatol 103:79-80, Jan 71
Determination of body composition of children from skinfold measurements. Brook CG. Arch Dis Child 46:182-4, Apr 71
Comparative studies on the amino acid sequence of the alpha 2-CB2 peptides from chick and rat skin collagens. Highberger JH, et al. Biochemistry 10:610-6, 16 Feb 71
Review of the German dermatological literature 1968. Balda BR, et al. Br J Dermatol 83:506-12, Oct 70 (57 ref.)
Skin thickness and skinfold thickness in anorexia nervosa. Stonehill E, et al. Br J Dermatol 85:158-61, Aug 71
Measurement of triceps skinfold thickness. An investigation of sources of variation. Ruiz L, et al. Br J Prev Soc Med 25:165-7, Aug 71
Pigment polymorphism and blood serum variations in Rana pipiens. Pogany GC. Comp Biochem Physiol 36:99-102, 1 Sep 70
Epidermal chalone. Effect on cell cycle and on development of hyperplasia. Frankfurt OS. Exp Cell Res 64:140-4, Jan 71
Skinfold thickness and body fat in children. Forbes GB, et al. Hum Biol 42:401-18, Sep 70
A comparison of skinfold measurements using the Best and Harpenden calipers. Pařízková J, et al. Hum Biol 42:436-41, Sep 70
Relationship between skinfold thickness measured by Harpenden caliper and densitometric analysis of total body fat in men. Pařízková J, et al. Hum Biol 43:16-21, Feb 71
Skinfold thickness and obesity in male college and polytechnic students. Berry JN. Indian J Med Res 59:585-97, Apr 71
Observations on skin-fold measurements of pre-school children in Jabalpur. Goel RK, et al. Indian J Med Res 59:444-54, Mar 71
Skinfolds in American Negro and white children. Malina RM. J Am Diet Assoc 59:34-40, Jul 71
Two simple indexes for identifying obesity compared. Ruffer WA. J Am Diet Assoc 57:336-30, Oct 70
Venomotor responses to rapid changes in skin temperature in exercising man. Rowell LB, et al. J Appl Physiol 30:84-71, Jan 71
Venomotor responses to local and remote thermal stimuli to skin in exercising man. Rowell LB, et al. J Appl Physiol 30:72-7, Jan 71
Macromolecular heparin from rat skin. Isolation, characterization, and depolymerization with ascorbate. Horner AA. J Biol Chem 246:231-9, 10 Jan 71
Skinfold measurements of obesity in British businessmen. Richardson JF, et al. J Biosoc Sci 3:13-21, Jan 71
A study of the probing response of Aedes aegypti. 2. Effect of desiccation and blood feeding on probing to skin and an artificial target. Khan AA, et al. J Econ Entomol 64:439-42, Apr 71
Thermomechanical analysis of stratum corneum. I. Technique. Humphries WT, et al. J Invest Dermatol 57:32-7, Jul 71
Preliminary characterization of an epidermal chalone-like inhibitor. Marrs JM, et al. J Invest Dermatol 56:353-8, May 71
In vitro lymphocyte responses in contact hypersensitivity. II. Milner JE. J Invest Dermatol 56:349-52, May 71
Relationship of phototherapy and skin color. Ente G. J Pediatr 77:1098-100, Dec 70
Neonatal dermatology. I. The newborn skin. Solomon LM, et al. J Pediatr 77:888-94, Nov 70
Photometric evaluation of dye diffusion in the skin. Frigeni V, et al. J Pharm Pharmacol 22:851, Nov 70
Studies on the hunting skin temperature reaction of Indonesian. Toda Y, et al. Kobe J Med Sci 16:183-8, Dec 70
A clinical look at how contortionists contort. Beighton P. Med Times 99:181-4 passim, Apr 71
Threshold of vibratory perception in normal children. Alter M, et al. Minn Med 54:893-5, Sep 71
Preoperative preparation of the skin. Handler S. Minn Med 54:25-8, Jan 71
The management of high enterocutaneous fistulas. Hamilton RF, et al. Nebr State Med J 56:382-5, Sep 71
Spatial and temporal interaction in tactile adaptation. Carmon A, et al. Percept Mot Skills 32:427-33, Apr 71
An experimental study on the variability of measurements of skinfold thicknesses by three observers on twenty-three young women and twenty-seven young men. Durnin JV, et al. Proc Nutr Soc 30:9A-10A, May 71
Diet, leisure activity and skinfold measurements of sedentary men. Marr JW, et al. Proc Nutr Soc 29:Suppl:17A+, May 70
Body fat and skinfold measurements. Hermansen L, et al. Scand J Clin Lab Invest 27:315-9, Jun 71
A transcutaneous prosthesis for prolonged access to the peritoneal cavity. Striker GE, et al. Surgery 69:70-4, Jan 71
The implications of skinfolds and muscle size to developmental and nutritional status of Central American children. 3. Guatemala. Frisancho AR, et al. Trop Geogr Med 23:167-72, Jun 71
Epidermal chalone and cell proliferation in a transplantable squamous cell carcinoma in hamsters. I. In vivo results. Elgjo K, et al. Virchows Arch [Zellpathol] 7:1-7, 1971
Epidermal chalone and cell proliferation in a transplantable squamous cell carcinoma in hamsters. II. In vitro results. Laurence EB, et al. Virchows Arch [Zellpathol] 7:8-15, 1971
[Use of ultrasound in the determination of subcutaneous fat] Straková M, et al. Cas Lek Cesk 109:1125-9, Nov 70 (Cze)
[Significance of skinfold thickness determination] Ned Tijdschr Geneeskd 115:430-1, 6 Mar 71 (Dut)
[Relation between skinfold thickness and body weight in healthy children of school age] Baltia A, et al. Acta Paediatr Belg 22:59-66, 1968 (Fre)
[Measurement of skinfold thickness in children of school age] Baltia A, et al. Acta Paediatr Belg 22:41-58, 1968 (Fre)
[Physiological aging and pathology of the skin. Review of histological and biochemical data] Cerimele D, et al. Arch Belg Dermatol Syphiligr 25:1-12, Jan-Mar 69 (59 ref.) (Fre)
[Can one contract ancylostomiasis in an aquatic environment?] Brumpt LC, et al. Bull Soc Pathol Exot 63:363-7, May-Jun 70 (Fre)
[Study of skin biopsies and the Mazzotti test in onchocerciasis patients examined] Lagraulet J. Bull Soc Pathol Exot 64:231-5, Mar-Apr 71 (Fre)
[Somesthetic evoked potentials and cutaneous vibratory stimulus] Delwaide PJ, et al. Rev Neurol (Paris) 122:453-4, Jun 70 (Fre)
[The skin and pregnancy] Nikolowski W. Munch Med Wochenschr 112:2318-21, 18 Dec 70 (Ger)
[In vitro studies of fungal growth on psoriatic scales--an experimental study] Pöhler H, et al. Mykosen 11:205-16, 1 Mar 68 (Ger)
[Obtaining and sending of material for mycological examination of scurf, hair and nails and the problem of fee appropriation according to tariff] Rieth H. Mykosen 13:401-2, 1 Aug 70 (Ger)
[Clinic-experimeal studies on he effect of sulfur baths on skin] Shneder H. Praxis 60:22-6, 16 Feb 71 (Ger)
[Progressive chronic polyarthritis and active body mass] Fischer P, et al. Z Gesamte Inn Med 26:86-8, 15 Jan 71 (Ger)
[Investigations on retention and decontamination in laboratory animals after contamination of the surface] Mirna A. Zentralbl Bakteriol [Orig] 216:396-411, 1971 (Ger)
[The standards used for importation of pickled skins in relation to article 56, last paragraph, of the veterinary inspector regulation of 8 February 1954, No. 320] D'Esposito L. Acta Med Vet (Napoli) 15:561-9, Nov-Dec 69 (Ita)
[Sialoproteins in the senile skin] Giannetti A, et al. G Ital Dermatol 46:13-6, Jan 71 (Ita)
[DNA in skin aging processes. Preparation and interpretation of the data obtained] Sacchi S. G Ital Dermatol 46:1-6, Jan 71 (Ita)
[Thickness of the dermato-adipose fold of country girls and boys at the time of puberty. I. Mean values and centil nets for calendar age groups] Rafalski H, et al. Roczn Panstw Zaki Hig 21:683-91, 1970 (Pol)
[Skin changes in geriatrics] Gutowski W. Wiad Lek 23:1881-6, 1 Nov 70 (Pol)
[A procedure for biospy of the skin, mucous membrane and superficial muscles in children and adults with a corneal trephine of the Filatov type] Brătianu A, et al. Rev Med Chir Soc Med Nat Iasi 74:719-22, Jul-Sep 70 (Rum)
[Changes in plasmatic serotoninemia caused by cutaneous stimulation] Ionescu-Târgovişte C, et al. Stud Cercet Endocrinol 22:47-52, 1971 (Rum)
[Epileptic paroxysms evoked by cutaneous stimuli] Stoica I. Stud Cercet Neurol 15:227-41, 1970 (Rum)
[Significance of the conditions of skin freezing for the formation of multinuclear cells in its epithelium] Kadakas VV. Biull Eksp Biol Med 67:80-3, 1969 (Rus)
[Tissue-specific inhibitors of cell division (chylons) in the epidermis. Effect on the cell cycle and development of hyperplasia] Frankfurt OS. Doki Akad Nauk SSSR 196:237-9, Jan-Feb 71 (Rus)
[Effect of tadpole metabolites on regeneration rate] Shvarts SS, et al. Doki Akad Nauk SSSR 195:1207-10, 1970 (Rus)
[Topography of human skin biomechanical properties] Bobrova MV. Fiziol Zh SSSR 56:1444-50, Oct 70 (Rus)
[Determination of small quantities of acetone cyanhydrin on protective clothing and skin of workers] Ardasheva OK, et al. Gig Tr Prof Zabol 14:34-7, Sep 70 (Rus)

ABNORMALITIES

The François dyscephalic syndrome and skin manifestations. François J, et al. Am J Ophthalmol 71:1241-50, Jun 71
Multiple congenital skin webbing with cutis laxa. O'Brien BM, et al. Br J Plast Surg 23:329-36, Oct 70
Epitheliogenesis imperfecta in lambs and kittens. Munday BL. Br Vet J 126:xlvii, Dec 70
Dermal sinus and intraspinal dermoid and epidermoid cyst in children. Teng P, et al. Bull Los Angeles Neurol Soc 35:153-63, Oct 70
Extra posterior cervical skin. Bean SC, et al. J Pediatr 78:722, Apr 71
A new syndrome with acrocephalopolysyndactyly, cardiac disease, and distinctive defects of the ear, skin, and lower limbs. Sakati N, et al. J Pediatr 79:104-9, Jul 71
Bacterial meningitis associated with a congenital dermal sinus. Yung AP, et al. Med J Aust 2:1012-5, 28 Nov 70
A case of human pseudo-tail. Odeku EL, et al. West Afr Med J 19:115-6, Aug 70
[Cutaneous congenital aplasia. 2 cases observed at 2 successive births] Swarte M de, et al. Ann Pediatr (Paris) 18:24-30, 2 Jan 71 (Fre)
[Dermal hypoplasia areata] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 77:303-5, 1970 (Fre)
[Focal dermal hypoplasia. Apropos of 2 cases] Hurlez C, et al. Bull Soc Fr Dermatol Syphiligr 77:787-92, 1970 (Fre)
[Histological study of the changes in the skin of atrichous AG Wistar rats] Dadoune JP, et al. C R Soc Biol (Paris) 164:979-84, 1970 (Fre)
[Dyspiasia of epidermal ridges with autosomal dominant transmission. Dermatoglyphic studies of one family] Dodinval P, et al. Humangenetik 11:230-6, 1971 (Fre)
[Congenital occipital dermal sinus with special reference to wrong diagnosis and treatment] Demirel T. Monatsschr Kinderheilkd 119:133-6, Apr 71 (Ger)
[The popliteal pterygium syndrome. A dominant autosomal malformation syndrome] Pfeiffer RA, et al. Z Kinderheilkd 108:103-16, 1970 (Ger)
[Surgery in a rare case of congenital skin defect by autologous and homologous transplantation] Iso R. Jap J Plast Reconstr Surg 14:325-9, Jul 71 (Jap)
[Therapeutic experience in a case of extensive congenital skin defects in hands and feet] Iso R. Orthop Surg (Tokyo) 21:885-6, Oct 70 (Jap)
[Congenital aplasia of the skin] Rubisz-Brzezińska J. Pol Tyg Lek 25:1551-2, 12 Oct 70 (Pol)
[Dermal sinuses associated with intraspinal tumors] Carrascosa RG, et al. Rev Clin Esp 117:397-406, 31 May 70 (Spa)

ANALYSIS

Failure of brocresine (NSD 1055)--a histidine decarboxylase inhibitor--to influence skin histamine in mice. Zachariae H, et al. Acta Allergol (Kbh) 25:216-20, Jun 70
Cellular changes in the psoriatic epidermis. IX. Neutron activation analysis of mercury in patients topically treated with ammonium mercuric chloride. Frithz A. Acta Derm Venereol (Stockh) 50:345-9, 1970
Continuous skin perfusion in vivo as a method for study of pharmacological agents in human skin. Greaves MW, et al. Acta Derm Venereol (Stockh) 51:50-4, 1971
Lymph-node permeability factor and skin histamine. Wolf-Jürgensen P, et al. Acta Derm Venereol (Stockh) 50:327-8, 1970
Steroids in human skin and hairs. V. Quantity of free cholesterol and cholesteryl esters in the human skin. Tóth I, et al. Acta Med Acad Sci Hung 27:275-82, 1970
Papillary fibrin in dermatitis herpetiformis. Mustakallio KK, et al. Arch Belg Dermatol Syphiligr 26:441-7, Jul-Sep 70
IgE in atopic dermatitis. Ogawa M, et al. Arch Dermatol 103:575-80, Jun 71
Age changes of cross-links in rat skin elastin. Bartoš F, et al. Arch Dermatol Forsch 241:134-40, 1971
[Studies on the composition of palmar skin surface fat in relation to age and its biochemical bases] Peter G, et al. Arch Dermatol Forsch 241:141-7, 1971
Lichen amyloidosus. A histochemical and electron microscopic study. Shapiro L, et al. Arch Pathol 90:499-506, Dec 70
In vitro formation of crosslinks in mature rat skin collagen in the absence of N-terminal peptides. Deshmukh K, et al. Biochem Biophys Res Commun 43:416-22, 16 Apr 71
Identification of three genetically distinct collagens by cyanogen bromide cleavage of insoluble human skin and cartilage collagen. Miller EJ, et al. Biochem Biophys Res Commun 42:1024-9, 19 Mar 71
Isolation and characterization of a cutaneous lipoprotein with lethal effects produced by thermal energy in mouse skin. Schoenenberger GA, et al. Biochem Biophys Res Commun 42:975-82, 5 Mar 71
Biogenic amines and active polypeptides in the skin of Leptodactylus vilarsi melin. Erspamer GF, et al. Biochem Pharmacol 19:321-5, Feb 70
Chemical studies on the cyanogen bromide peptides of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rat skin collagen. Amino acid sequence of 1-CB4. Butler WT, et al. Biochemistry 10:2078-81, 25 May 71
Characterization of the aldehydes present on the cyanogen bromide peptides from mature rat skin collagen. Deshmukh K, et al. Biochemistry 10:1640-7, 27 Apr 71
Isolation and characterization of the cyanogen bromide peptides from the 1 and 2 chains of acid-soluble bovine skin collagen. Voipin D, et al. Biochemistry 10:1751-5, 11 May 71
Glycosaminoglycuronans of skin, liver, heart, lung and bone of some animals. Hilborn JC, et al. Biochim Biophys Acta 215:57-69, 21 Jul 70
On the occurrence of IgD in dermatitis herpetiformis and pemphigoid. Cormane RH, et al. Br J Dermatol 84:179, Feb 71
Variations in skin surface lipid composition with different sampling techniques. I. Cunliffe WJ, et al. Br J Dermatol 85:40-5, Jul 71
Variations in the levels of cholesterol and triglyceride in the skin surface fat during the menstrual cycle. MacDonald I, et al. Br J Dermatol 83:473-6, Oct 70
Neutron activation analysis of trace elements in skin. V. Copper and zinc in psoriasis. Molokhia MM, et al. Br J Dermatol 83:376-81, Sep 70
The influence of age, sex, hypophysectomy and various hormones on the composition of the skin surface lipids of the rat. Hormones and sebum composition in the rat. Nikkari T, et al. Br J Dermatol 83:459-72, Oct 70
Effects of ranatensin, a polypeptide from frog skin, on isolated smooth muscle. Clineschmidt BV, et al. Br J Pharmacol 41:622-8, Apr 71
Osteoporosis, skin collagen, and androgen. Black MM, et al. Br Med J 4:773-4, 26 Dec 70
Skin collagen and thickness in women with hirsuties. Shuster S, et al. Br Med J 4:772, 26 Dec 70
Solubility of skin collagen in normal human subjects and in patients with generalised scleroderma. Uitto J, et al. Clin Chim Acta 31:13-8, Jan 71
Measurement of L-histidine ammonia-lyase activity and urocanic acid content of human skin. Whitfield AE, et al. Clin Chim Acta 29:181-7, Jul 70
Composition of glycopeptides from chondroitin sulfate-protein complex from squid skin. Radhakrishnamurthy B, et al. Comp Biochem Physiol 36:107-17, 1 Sep 70
Cutaneous acid mucopolysaccharides in ascorbic acid deficiency. Boumans PJ, et al. Dermatologica 141:234-8, 1970
On the origin of urocanic acid in the horny layer. Smeenk G, et al. Dermatologica 141:303-8, 1970
Glycosaminoglycans and glycosaminoglycan-degrading enzyme of Rana catesbeiana back skin during late stages of metamorphosis. Lipson MJ, et al. Dev Biol 25:198-208, Jun 71
Skin acidic glycosaminoglycans in alloxan diabetic rats. Kofoed JA, et al. Diabetes 19:732-3, Oct 70
Structure of pig skin dermatan sulfate. 1. Distribution of D-glucuronic acid residues. Fransson LA, et al. Eur J Biochem 18:422-30, 1 Feb 71
Structure of pig skin dermatan sulfate. 2. Demonstration of sulfated iduronic acid residues. Malmström A, et al. Eur J Biochem 18:431-5, 1 Feb 71
Acid soluble calf skin collagen. Characterization of the peptides obtained by cyanogen bromide cleavage of its alpha-1-chain. Rauterberg J, et al. Eur J Biochem 19:398-407, Apr 71
Isolation and structure of bombesin and alytesin, 2 analogous active peptides from the skin of the European amphibians Bombina and Alytes. Anastasi A, et al. Experientia 27:166-7, 15 Feb 71
The acidic glycosaminoglycans in the skin of athyroid rats: the effects of L-tri-iodothyronine. Kofoed JA. Experientia 27:702-3, Jun 71
In vitro assay of MSH using skin from the frog Hyla arborea. Chadwick A, et al. Gen Comp Endocrinol 15:493-5, Dec 70
Histochemical demonstration of 5-hydroxytryptamine in poison glands of amphibian skin. Kramer B. Histochemie 24:336-42, 1970
The natural mediator for PMN emigration in inflammation. I. Purification and characterization of leucoegresin from Arthus skin site. Yoshinaga M, et al. Immunology 21:281-96, Aug 71
New histochemical findings in keratinization applying to palmo-plantar keratoses. Parvis VP. Int J Dermatol 10:126-8, Apr-Jun 71
Effect of total parathyroidectomy and uremia on the chemical composition of bone, skin and aorta in the rat. Bernstein DS, et al. Isr J Med Sci 7:513-4, Mar 71
The effect of calcemic disorders and uremia on the mineral content of skin. Massry SG, et al. Isr J Med Sci 7:514-7, Mar 71
Lipid and fatty acid composition of turkey liver, skin and depot tissue. Marion WW, et al. J Am Oil Chem Soc 47:391-2, Oct 70
The chemical nature of keratohyalin granules of the epidermis. Matoltsy AG, et al. J Cell Biol 47:593-603, Dec 70
Alteration of histones from mouse epidermal cells after incubation with elastase and hyaluronidase. Segal A, et al. J Histochem Cytochem 19:182-5, Mar 71
The precursor of the alpha-fibrous protein of epidermis. Baden HP, et al. J Invest Dermatol 56:446-9, Jun 71
The localization of phorbol ester 14C acetate in papillomas that were initiated with 7,12 DMBA and promoted with phorbol ester. An electron microscopic autoradiography study. Bogart B, et al. J Invest Dermatol 56:140-6, Feb 71
Immunofluorescence studies in the diagnosis of dermatitis herpetiformis and its differentiation from bullous pemphigoid. Chorzelski TP, et al. J Invest Dermatol 56:373-80, May 71
Isolation and characterization of epidermal DNA and RNA from guinea pig skin. Krämer DM, et al. J Invest Dermatol 56:55-60, Jan 71
Variations in lipid composition at different depths in the cow snout epidermis. Long VJ. J Invest Dermatol 55:269-73, Oct 70
A method for bioassay of an epidermal chalone-like inhibitor. Marrs JM, et al. J Invest Dermatol 56:174-81, Mar 71
Systemic lupus erythematosus: electron microscopic localization of in vivo bound globulins at the dermal-epidermal junction. Schreiner E, et al. J Invest Dermatol 55:325-8, Nov 70
Quantitative histochemistry of histamine and histidine decarboxylase activity in normal human skin. Sondergaard J, et al. J Invest Dermatol 56:231-4, Mar 71
Fetal scalp tissue oxygen tension measurements in relation to maternal dermal oxygen tension and fetal heart rate. Walker A, et al. J Obstet Gynaecol Br Commonw 78:1-12, Jan 71
A simple method for the quantitative extraction of dye extravasated into the skin. Harada M, et al. J Pharm Pharmacol 23:218-9, Mar 71
Effect of myoinositol on skin cholesterol levels in rats maintained on a low protein, myoinositol deficient diet. Hasan SH, et al. J Vitaminol (Kyoto) 17:117-8, 10 Jun 70
3H-vitamin A and rat skin. Autoradiographic observations. Sherman BS. J Vitaminol (Kyoto) 16:259-62, 10 Dec 70
Sebum-excretion rate and skin-surface lipid composition in Parkinson's disease before and during therapy with levodopa. Cotterill JA, et al. Lancet 1:1271-2, 19 Jun 71
Hydrocarbon composition of the integument, fat body, hemolymph and diet of the tobacco hornworm. Nelson DR, et al. Life Sci [II] 10:411-9, 8 Apr 71
Fatty acid composition of the living layer and stratum corneum lipids of human sole skin epidermis. Ansari MN, et al. Lipids 5:838-45, Oct 70
Glycoproteins from connective tissue of twins. Srinivasan SR, et al. Nature (Lond) 229:58-9, 1 Jan 71
Alytesin and bombesin, two peptide analogs from amphibian skin. Anastasi A. Naunyn Schmiedebergs Arch Pharmakol 269:135-9, 1971
Active polypeptides in amphibian skin. Bertaccini G. Naunyn Schmiedebergs Arch Pharmakol 269:139-52, 1971
Stress, acne and skin surface free fatty acids. Kraus SJ. Psychosom Med 32:503-8, Sep-Oct 70
Isolation and characterization of a toxic lipoprotein derived from germfree mouse skin. Schoenenberger GA, et al. Surg Forum 21:515-7, 1970
Histochemical study of acid mucopolysaccharides in lichen amyloidosus. Sasai Y. Tohoku J Exp Med 102:185-93, Oct 70
Difference between the composition of positional isomeric fatty acids from psoriatic scales and normal human skin. Grimmer G, et al. Z Klin Chem Klin Biochem 9:111-6, Mar 71
Ulstructural localization of monoamines in the epidermis of Lumbricus terrestris (L.). Myhrberg HE. Z Zellforsch Mikrosk Anat 117:139-54, 1971
Serotonin and histamine contents as vital reactions. II. Autopsy studies. Raekallio J, et al. Zacchia 6:403-14, Jul-Sep 70
[Glucose contents of the skin in relation to superficial infections in patients treated with corticosteroids] Coninx SH. Arch Belg Dermatol Syphiligr 26:551-6, Oct-Dec 70 (Dut)
[Demonstration of a 17-beta-estradiol-fixing protein fraction in a female rat skin homogenate] Nunez E, et al. Bull Soc Chim Biol (Paris) 52:1345-9, 1970 (Fre)
[Presence of RNA of DNA type in the ribosomial fraction of chick embryo skin] Soriano L. C R Acad Sci [D] (Paris) 273:185-8, 12 Jul 71 (Fre)
[Changes in rat skin proteins during systemic high-dosage corticosteroid medication] Rodermund OE. Acta Endocrinol [Suppl] (Kbh) 152:22, 1971 (Ger)
[The composition of normal human stratum corneum and callus. 3. Lactic acid, creatine, creatinine, urea and choline] Jacobi O. Arch Dermatol Forsch 240:107-18, 1970 (Ger)
[The composition of normal human stratum corneum and callus. 3. Lactic acid, creatine, creatinine, urea and choline] Jacobi O. Arch Dermatol Forsch 240:107-18, 1970 (Ger)
[The effect of malnutrition on skin proteins. Experimental studies in rats] Rodermund OE, et al. Arch Dermatol Forsch 240:138-47, 1971 (Ger)
[The amino acid-composition of epidermis-fractions of guinea pigs and hairless mice] Schwarz E, et al. Arch Dermatol Forsch 240:173-83, 1971 (Ger)
[Relations between the induction of skin cancer, collagen content in the skin and ascorbic acid synthesis in Triturus cristatus] Wirl G, et al. Arch Geschwulstforsch 35:36-43, 1970 (Ger)
[Metolody of biochemical studies of skin-proteins] Rodermund OE, et al. Arch Klin Exp Dermatol 239:329-46, 1971 (Ger)
[Steroids and the skin. IV. C19 and C18 steroids in plasma and skin eluates of acne patients before and after administration of dehydroepiandrosterone sulfate] Oertel GW, et al. Arzneim Forsch 21:541-3, Apr 71 (Ger)
[Skin constitution and cosmetics] Schneider W. Cosmetologica 19:231-6, 20 Jul 70 (Ger)
[Cholesterol and cholesterol ester in the surface lipid of psoriasis patients] Meffert H, et al. Dermatol Monatsschr 155:163-8, 1969 (Ger)
[Immunoelectrophoretic evidence for two characteristic proteinbands in psoriatic epidermis] Sellei K, et al. Dermatologica 141:89-94, 1970 (Ger)
[Content of cholesterol and other lipids in the human skin of various age groups] Arutjunov WJ, et al. Hautarzt 21:472-4, Oct 70 (Ger)
[Keratins of skin and hair] Orfanos C, et al. Hautarzt 21:543-51, Aug 70 (Ger)
[pH value in genitocruralfungus diseases] Konstantinović S, et al. Mykosen 13:579-82, 1 Dec 70 (Ger)
[A biologically acting peptide from the skin of lampreys] Fischer G, et al. Naturwissenschaften 58:363, Jul 71 (Ger)
[Research on combined injuries. Changes in the histamine content of rat skin after total body irradiation and with open skin wounds] Messerschmidt O, et al. Strahlentherapie 139:724-34, Jun 70 (Ger)
[Glycosaminoglycan and collagen analyses in osteogenesis imperfecta] Bleckmann H, et al. Z Kinderheilkd 110:74-84, 1971 (Ger)
[Free histamine-content of different wounds as vital reaction] Fazekas IG, et al. Z Rechtsmed 68:86-94, 1971 (Ger)
[Fluorescent substances in the skin of Palomena prasina L. II. Identification of xanthopterin] Parisi G, et al. Boll Soc Ital Biol Sper 46:207-8, 28 Feb 70 (Ita)
[Some histochemical characteristics of the skin in tubercular lupus vulgaris] Khadjariy IN, et al. Vesta Dermatol Venerol 44:40-3, Oct 70 (Rus)
[17-oxycorticosteroids in levels in blood and skin of rabbits after hydrocortisone phonophoresis] Popov ND, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:295-7, Jul-Aug 70 (Rus)

ANATOMY & HISTOLOGY

Basement membrane of normal skin. A study using the fluorescent periodic acid-acriflavine method. Winter V, et al. Arch Dermatol 102:418-21, Oct 70
Surface appearances of the eccrine sweat duct by scanning electron microscopy. Johnson C, et al. Br J Dermatol 83:855-60, Dec 70
Some light microscopical observations on the stratum corneum of the guinea-pig, man and common seal. Spearman RI. Br J Dermatol 83:582-90, Nov 70
Histology of healing of skin changes in hypervitaminosis A in chickens. Holman J, et al. Int Z Vitaminforsch 40:483-8, 1970
Something old. Montagna W. J Invest Dermatol 55:203-20, Oct 70
On the formulation of palmar creases. Bali RS, et al. Z Morphol Anthropol 63:121-30, Jul 71
[Mechanisms of morphogenesis of the feather pattern in the spinal pteryle of the chick embryo] Sengel P, et al. C R Acad Sci [D] (Paris) 271:2015-8, 30 Nov 70 (Fre)
[Anatomy and physiology of the integument] Weirich EG. Cosmetologica 19:131-8 contd, 20 Apr 70 (Ger)
[Mechanical separation of epidermis and cutis] Wohlrab W, et al. Dermatol Monatsschr 155:709-11, 1969 (Ger)
[The columnar structure of the epidermis. Possible mechanism of differentiation] Christophers E. Z Zellforsch Mikrosk Anat 114:441-50, 1971 (Ger)
[The "viola" of the red fox (Vulpes Vulpes L.)] Meyer P, et al. Zentralbl Veterinaermed [A] 18:353-64, Jun 71 (Ger)
[Measurements of epidermis and skin thickness in children and their clinical significance] Kondrat W. Pol Tyg Lek 25:1930-3, 14 Dec 70 (Pol)
[Comparative study of the skin structure in different parts of the body] Sampaio SB, et al. An Bras Dermatol 45:130-46, Apr-Jun 70 (Por)
[An electron microscopic study of human epidermis and skeletal muscle fixed with formalin] Mikhailov IN, et al. Izv Akad Nauk SSSR [Biol] 1:111-3, Jan-Feb 70 (Rus)
[Histomorphological tests in autologous free skin transplantation with the use of various tissue adhesives] Stepanok EG, et al. Oftalmol Zh 25:439-42, 1970 (Rus)
[Luminescent-cytological method of studying the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mucous membrane of the oral cavity and the skin in normal subjects and in pemphigus, leukoplakia and neoplastic diseases] Lozhogina AG, et al.
Vestn Dermatol Venerol 44:19-23, Jul 70 (Rus)

BLOOD SUPPLY

Viability of ischemic skin in hyperbaric oxygen. An experimental study with rats. Niinikoski J.
Acta Chir Scand 136:567-8, 1970
Plethysmographic recordings of skin pulses. 3. Effect of corticosteroids, dithranol and tar in psoriasis. Thune P. Acta Derm Venereol (Stockh) 51:183-8, 1971
Plethysmographic recordings of skin pulses. IV. The vasoconstrictive effect of steroids in normal and stripped skin. Thune P.
Acta Derm Venereol (Stockh) 51:361-7, 1971
Haemodynamic investigations on the skin in polycythaemia vera. I. Effect of exposure to cold and of vasodilating stimuli. Nagy G, et al.
Acta Med Acad Sci Hung 27:209-12, 1970
Changes in the muscle and skin blood flow following lower leg fracture in man. Kellerová E, et al.
Acta Orthop Scand 41:249-60, 1970
Capillary resistance in the skin of rats fed flavone-free and atherogenic diets, and their response to hesperidin-methylchalcone. Gábor M, et al.
Acta Physiol Acad Sci Hung 38:71-5, 1970
Effect of propranolol on circulatory regulation. Solti F, et al. Acta Physiol Acad Sci Hung 38:85-92, 1970
Differential reflex adjustments in cutaneous and muscle vascular beds during experimental coronary artery occlusion. Hanley HG, et al.
Am J Cardiol 27:513-21, May 71
Effect of local cooling on responsiveness of muscular and cutaneous arteries and veins. Abdel-Sayed WA, et al. Am J Physiol 219:1772-8, Dec 70
Factors governing cutaneous vasoconstriction during hemorrhage. Bond RF, et al.
Am J Physiol 219:1210-5, Nov 70
Effects of iv and ia prostaglandin E1 on dog forelimb skin and muscle blood flow. Daugherty RM JR, et al.
Am J Physiol 220:392-6, Feb 71
Carotid baroceptor influence on total and segmental resistances in skin and muscle vasculatures. DiSalvo J, et al. Am J Physiol 220:1970-8, Jun 71
Functional and angiographic vasculature in healing wounds. Myers MB, et al. Am Surg 36:750-6, Dec 70
Skin circulation changes in the newborn during the first minutes of life as measured by thermography and skin thermometer. Viitanen SM, et al.
Ann Clin Res 3:153-8, Jun 71
Quantitative method for the evaluation of the circulatory activity using the peroxidase technique. Dotto CA, et al. Ann Histochim 16:165-70, Apr-Jun 71
Prevention of skin slough after radical mastectomy by the use of a vital dye to delineate devascularized skin. Myers MB, et al. Ann Surg 173:920-4, Jun 71
Anticubital fossa skin capillaries of diabetics with diabetic retinopathy and non diabetic subjects. Cormane RH, et al.
Arch Belg Dermatol Syphiligr 26:229-46, 1970
Blood supply of healing wounds: functional and angiographic. Myers MB, et al.
Arch Surg 102:49-52, Jan 71
The effect of the thermal environment on pressure-flow curves for human skin. Ludbrook J.
Aust J Exp Biol Med Sci 49:185-96, Apr 71
Ornithine vasopressin (POR 8) as a cutaneous vasoconstrictor. McCaffrey J.
Aust NZ J Surg 40:198-9, Nov 70
The association between cutaneous vasculitis and decreased blood fibrinolytic activity. Cunliffe WJ, et al. Br J Dermatol 84:99-105, Feb 71
Skin temperature and blood flow in relation to the speed of suction blister formation. Peachey RD.
Br J Dermatol 84:447-52, May 71
Prostaglandin E1: effect on human cutaneous vasculature and skin histamine. Sondergaard J, et al.
Br J Dermatol 84:424-8, May 71
The site of vascular response to thermal injury in skeletal muscle. Wells FR.
Br J Exp Pathol 52:292-306, Jun 71
Contribution to the origin of the vasculature in free skin autografts. Smahel J, et al.
Br J Plast Surg 23:322-5, Oct 70
The blood flow in tubed skin pedicles: calibration for the photoelectric plethysmograph. Stranc WE, et al.
Br J Plast Surg 24:10-4, Jan 71
A study of the vascularisation of pedicle flaps using disulphine blue. Teich-Alasia S.
Br J Plast Surg 24:282-8, Jul 71
Quantitative measurements of skin capillary resistance in hypophysectomized long-term diabetics. Christensen NJ, et al. Diabetes 20:297-301, May 71
Cutaneous capillary resistance and retinal haemorrhage in diabetes. Hunter PR, et al.
Diabetologia 7:20-4, Feb 71
Kinetics of increased vascular permeability induced in rat skin by serotonin. Tolone G, et al.
Experientia 27:86-7, 15 Jan 71
The estimation of the cutaneous blood flow with an optoelectric method. Ishikawa H.
Fukushima J Med Sci 16:123-34, Dec 69
Transparent chamber in the rat skin for studies on microcirculation in cancer tissue. Yamura H, et al.
Gann 62:177-85, Jun 71
Effect of hyaluronidase & nucleosides on vascular permeability in sheep & its suppression by mepyramine maleate. Vegad JL.
Indian J Exp Biol 8:141-2, Apr 70
Brain temperature and cutaneous blood flow in the anesthetized pig. Ingram DL, et al.
J Appl Physiol 29:696-704, Nov 70
Skin and muscle celarance with 133-xenon and 125-iodine antipyrine. Effect of vascular reconstruction examined. Kõvamees A.
J Cardiovasc Surg (Torino) 11:479-81, Nov-Dec 70
Skin capillary blood flow in scleroderma. LeRoy EC, et al. J Clin Invest 50:930-9, Apr 71
Technetium-99m pertechnetate disappearance studies in normal and psoriatic skin. DiLorenzo PA, et al.
J Invest Dermatol 56:39-43, Jan 71
Changes in vascular permeability during allergic inflammatory responses in the skin and knee-joint of the guinea-pig. Morley J, et al. J Pathol 103:p8, Feb 71
Bier's spots--evidence that they are mediated by an intravascular venoconstrictor substance. Collier JG, et al. J Physiol (Lond) 209:Suppl:12P+, Jul 70
Vascularization of skin grafts. Lambert PB.
Nature (Lond) 232:279-80, 23 Jul 71
Petechiae in postcardiotomy syndromes. Quintiliani R, et al. NY State J Med 70:2713-6, 1 Nov 70
Thermoregulatory adjustments of skin blood flow in chronically spinalized dogs. Walther OE, et al.
Pfluegers Arch 322:323-35, 1971
Cholesteric liquid crystals: a new visual aid to study of flap circulation. Hoehn R, et al.
Plast Reconstr Surg 48:209-13, Sep 71
The blood vessel system of free human skin grafts. Smahel J, et al. Plast Reconstr Surg 47:61-6, Jan 71
An intestinal conduit for free transplantation of other tissues. Washio H. Plast Reconstr Surg 48:48-51, Jul 71
Experimental study of prevention of tip necrosis in ischemic Z-plasties. Wilkinson TS, et al.
Plast Reconstr Surg 47:37-8, Jan 71
Changes in skin innervation in the course of Arthus and Shwartzman phenomena in rabbit. Lukasiak B, et al.
Pol Med J 9:1252-7, 1970
Sympathetic denervation and reinnervation of cutaneous blood vessels following surgery. An experimental study on rats by means of a histochemical fluorescence method. Palmer B.
Scand J Plast Reconstr Surg 4:93-9, 1970
Cholesterol liquid crystals: a new visual aid to study of flap circulation. Hoehn R, et al.
Surg Forum 21:499-501, 1970
Graft, muscle, skin blood flow after epidural block in vascular surgical procedures. Cousins MJ, et al.
Surg Gynecol Obstet 133:59-64, Jul 71
The effect of immunity on the vascularization of skin allografts. Lambert PB.
Transplantation 10:463-71, Dec 70
Increase of dermal blood flow after sympathectomy as measured by radioactive sodium uptake. Herman BE, et al. Vasc Surg 4:161-3, Sep 70
[Mondor's disease] Jankù K, et al.
Cesk Gynekol 35:483-5, Oct 70 (Cse)
[Thermometric evaluation of peripheral circulatory changes after administration of Ilidamen] Kadeřávek F. Fysiatr Reumatol Vestn 49:179-84, Aug 71 (Cse)
[Digitalis, effect and indications] Henningsen P.
Ugeskr Laeger 132:1983-6, 15 Oct 70 (32 ref.) (Dan)
[Recurrent cryptogenetic form of Mondor's disease] Fayolle MJ.
Bull Soc Fr Dermatol Syphiligr 76:705-6, 1969 (Fre)
[Mondor's disease. Etiologic considerations apropos of 3 unpublished cases] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:694-5, 1969 (Fre)
[Vascular architecture of the skin and of a transplanted epidermoid epithelioma in mice. Microangiographic study] Minet P.
J Belge Radiol 53:311-22, Jul-Aug 70 (Fre)
[Cutaneous blood flow during muscular exercise at altitude in resident and transplanted subjects] Martineaud JP, et al.
J Physiol (Paris) 62:Suppl 2:296-7, 1970 (Fre)
[Cutaneous vasomotoricity in paraplegics. Plethysmographic study of 10 patients] Jaeger-Denavit O, et al.
Presse Med 77:1207-9, 26 Jul 69 (Fre)
[The capillaries of the testicular parenchyma] Hundeiker M.
Arch Klin Exp Dermatol 239:426-35, 1971 (Ger)
[The redistribution of the heart minute volume on single organs under the influence of bencyclane] Solti F, et al.
Arzneim Forsch 20:Suppl 10a:1360+, Oct 70 (Ger)
[Changes in the cutaneous blood flow in disease and old age] Forck G. Cosmetologica 19:37-46, 20 Feb 70 (Ger)
[Blood circulation disorders of the skin as a cosmetic and measuring technical problem] Forck G.
Cosmetologica 19:367-82, 20 Oct 70 (Ger)
[Late studies on the blood flow in free autologous whole skin autografts in man] Gloor M, et al.
Dermatol Monatsschr 156:236-42, Apr 70 (Ger)
[Modification of the blood supply of defatted, pedunculated skin flaps by the "delayed procedure" and LMD] Krupp S.
Helv Chir Acta 37:405-12, Aug 70 (Ger)
[Different reactions of resistance and capacitance vessels of the skin on the arms during leg muscle work to the point of exhaustion] Drappatz B, et al.
Int Z Angew Physiol 28:321-31, 1970 (Ger)
[The fine structural changes in the venules and capillaries under the influence of female sex hormones] Grieshaber E, et al.
Pathol Microbiol (Basel) 35:233-46, 1970 (Ger)
[The importance of ischemia for the plastic surgery of pedunculated skin flaps. An experimental study of circulation stoppage in the skin and its consequences] Freilinger G.
Wien Klin Wochenschr 82:905-15, 18 Dec 70 (Ger)
[Modification of skin circulation by 10 percent dextran 40 (Rheomarodex) and 17 percent albumin solution] Rüedi P. Z Gesamte Exp Med 152:263-8, 1970 (Ger)
[Paradoxical reaction in atopic constitutional neurodermatitis] MacTaggart-Kopecká B, et al.
Z Haut Geschlechtskr 46:367-70, 1 Jun 71 (Ger)
[Thermoregulation of the infants skin under different environmental noise at different environmental temperatures] Döring B, et al.
Z Kinderheilkd 109:221-7, 1971 (Ger)
[Studies of the fluctuations of skin blood flow in infants under different environmental noise levels] Döring B, et al. Z Kinderheilkd 109:211-20, 1971 (Ger)
[Mondor's disease] Drewes J, et al.
Zentralbl Chir 96:943-64, 10 Jul 71 (Ger)
[Pathogenetic considerations on an unusual case of allergic cutaneous vasculitis] Bonelli U.
Arch Ital Dermatol Venereol Sessuol 36:313-24, 1971 (Ita)
[Vascularization of the skin of the auricle of the chimpanzee] Ottoboni A, et al.
Arch Ital Otol 80:441-52, Nov-Dec 69 (Ita)
[An apparatus with thermistors for measurement of cutaneous blood flow] Minelli R, et al.
Boll Soc Ital Cardiol 15:671-4, 1970 (Ita)
[Microangiographic study of the skin and of an epidermoid epithelioma in the mouse] Minet P.
Minerva Med 62:472-5, 3 Feb 71 (Ita)
[Presence of the zonula nucleum limitans in myoepithelioid cells of the cutaneous arteriovenous anastomosis in humans] Musacci GF, et al.
Riv Patol Clin Sper 10:101-6, Apr-Jun 69 (Ita)
[Clinico-immunological study of cutaneous necrotizing (hyperergic) angiitis] Geller M, et al.
Hospital (Rio de J) 78:1007-23, Oct 70 (Por)
[A comparative study of the effect of bradykinin, kallidin, methionyl-lysyl-badykinin and eledoisin on skin vessel permeability] Gaponiuk PIa, et al.
Biull Eksp Biol Med 71:57-9, Mar 71 (Rus)
[Differences in changes of capillary permeability and manifestations of local allergic reaction in sensitized rabbits of both sexes] Khramov VM.
Biull Eksp Biol Med 68:24-7, Jun 69 (Rus)
[Method of studying the reactivity of albino mice skin capillaries to the action of inflammatory stimuli] Nuraliev IuN, et al.
Biull Eksp Biol Med 70:119-20, Aug 70 (Rus)
[The relation between vascular fragility and the state of skin mucopolysaccharides] Oivin IA, et al.
Biull Eksp Biol Med 69:55-7, Apr 70 (Rus)
[Effect of leukocytic factors on skin vessels] Oivin IA, et al. Biull Eksp Biol Med 68:22-4, Jun 69 (Rus)
[Interrelation of blood vessels and hair follicoes in sheep embryogenesis] Panfilova EP, et al.
Dokl Akad Nauk SSSR 195:1201-3, 1970 (Rus)
[Elaboration of conditioned vasodilating reflexes in man] Fikhtel' K. Fiziol Zh SSSR 56:610-7, Apr 70 (Rus)
[Skin capillary permeability of adolescents in Polar regions] Tarasov LA, et al.
Gig Sanit 35:90-1, Jun 70 (Rus)
[Streptococcal allergic vasculitis of the skin] Uzunian LKh, et al. Klin Med (Mosk) 49:75-80, Mar 71 (Rus)
[Vascular permeability of the intact skin of rabbits in the acute phase of burn disease] Shtykhno IuM.
Patol Fiziol Eksp Ter 15:37-9, May-Jun 71 (Rus)
[Functional neuro-vascular disorders in patients with nodular and hemorrhagic vasculitis of the skin] Bazyka AP, et al.
Vestn Dermatol Venerol 44:12-7, Nov 70 (Rus)
[Effect of mud procedures on the functional state of capillaries in skin diseases] Dzhumamuratova DI.
Vestn Dermatol Venerol 45:40-2, Jan 71 (Rus)
[Lymphostasis in Mondor's disease] Poluektov IuA, et al. Vestn Khir 103:80-2, Nov 69 (Rus)
[Allergic vasculitis (Gougerot-Ruitter)] Vernengo CL, et al. Arch Argent Dermatol 18:229-40, Dec 68 (Spa)
[Sympathic denervation of skin blood vessels after surgery] Palmer B, et al.
Nord Med 84:1379, 22 Oct 70 (Swe)

CYTOLOGY

Hyaluronate (?) microfibrils in human dermis. Kobayasi T, et al.
Acta Derm Venereol (Stockh) 51:27-34, 1971
Adenosine triphosphatase activity as evidence for persistence of Langerhans cell in psoriatic scales. Shelley WB.
Acta Derm Venereol (Stockh) 51:101-6, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Migration of Schistosoma mansoni through mouse tissue. Ultrastructure of host tissue and integument of migrating larva following cercarial penetration. Bruce JI, et al. Am J Trop Med Hyg 19:959-81, Nov 70
Cell replication of mesenchymal elements in adult tissues. I. The replication and migration of mesenchymal cells in the adult rabbit dermis. Kaye GI, et al. Anat Rec 169:593-611, Mar 71
Cementsome, a new interpretation of the membrane-coating granule. Hashimoto K. Arch Dermatol Forsch 240:349-64, 1971
The ultrastructure of the skin of human embryos. IX. Formation of the hair cone and intraepidermal hair canal. Hashimoto K. Arch Klin Exp Dermatol 238:333-45, 1970
Fine structure of horny cells of the vermilion border of the lip compared with skin. Hashimoto K. Arch Oral Biol 16:397-410, Apr 71
Ultrastructural changes in human skin maintained in organ culture. Sarkany I, et al. Br J Dermatol 83:572-81, Nov 70
High-resolution autoradiographic localization of 3,4-benzpyrene-3H in mouse skin. Sobin LH. Cancer Res 30:1123-8, Apr 70
The ultrastructure of the skin of human embryos. VI. Formation of the intradermal hair canal. Hashimoto K. Dermatologica 141:49-53, 1970
A study of melanocytes in the normal skin surrounding malignant melanomata. Wong CK. Dermatologica 141:215-25, 1970
Study of pigment donation in vitro. Cohen J, et al. Exp Cell Res 50:418-34, May 68
Frequency of "Y chromatin body" in human skin fibroblasts in tissue culture, and its relation to growth phase. Therkelsen AJ, et al. Exp Cell Res 65:473-5, Apr 71
The use of skin fibroblasts in a parallel-line biological assay of some anti-inflammatory steroids. Brotherton J. J Endocrinol 49:xv-xvi, Mar 71
Cellular architecture of the stratum corneum. Christophers E. J Invest Dermatol 56:165-9, Mar 71
Intercellular spaces of the human epidermis as demonstrated with lanthanum. Hashimoto K. J Invest Dermatol 57:17-31, Jul 71
Cell population kinetics in human epidermis: in vitro autoradiographic study by double-labeling method. Heenen M, et al. J Invest Dermatol 56:425-9, Jun 71
Oral epithelial dendritic cells of the Rhesus monkey--histologic demonstration, fine structure and quantitative distribution. Hutchens LH, et al. J Invest Dermatol 56:325-36, Apr 71
Varieties of hairless-like mutant mice. Mann SJ. J Invest Dermatol 56:170-3, Mar 71
Isolation and properties of a germinative and a non-germinative cell population from postembryonic mouse, rabbit, and human epidermis. Moore JT, et al. J Invest Dermatol 56:318-24, Apr 71
Ultrastructure of the epidermal melanocyte dense plate. Tarnowski WM. J Invest Dermatol 55:265-8, Oct 70
Stratum granulosum: dissection from cattle hoof epidermis. Ugel AR, et al. J Invest Dermatol 55:350-3, Nov 70
Studies of proliferative capabilities in isolated epidermal basal and differentiated cells. Vaughan FL, et al. J Invest Dermatol 56:454-66, Jun 71
Preparation of human skin for high-resolution scanning electron microscopy using phosphate buffered crude bacterial alpha-amylase. Finlay JB, et al. J Microsc 93:73-6, Feb 71
The site of the permeability barriers in frog skin epithelium. Bracho H, et al. J Physiol (Lond) 213:50P-51P, Mar 71
The fine structure of lamprey epidermis. 3. Granular cells. Downing SW, et al. J Ultrastruct Res 35:304-13, May 71
The fine structure of lamprey epidermis. I. Introduction and mucous cells. Downing SW, et al. J Ultrastruct Res 35:282-94, May 71
The fine structure of lamprey epidermis. II. Club cells. Downing SW, et al. J Ultrastruct Res 35:295-303, May 71
Intercellular attachments of cockroach nymph epidermal cells. Hagopian M. J Ultrastruct Res 33:233-44, Nov 70
Structure and organization of mammalian stratum corneum. Menton DN, et al. J Ultrastruct Res 35:247-64, May 71
Permeability of the epidermis and the phagocytic activity of keratinocytes. Ultrastructural studies with thorotrast as a marker. Wolff K, et al. J Ultrastruct Res 38:176-90, Jul 71
An introduction to the study of the skin using the stereoscan microscope. Millington PF. Med Biol Illus 21:88-91, Apr 71
In vitro cultivation of cells from human epidermis. Kitano Y. Med J Osaka Univ 21:47-52, Dec 70
Ageing of mammals. Bullough WS. Nature (Lond) 229:608-10, 26 Feb 71
Immunological potential of the in vitro mixed skin cell-leukocyte reaction. Main RK, et al. Nature [New Biol] 229:89-91, 20 Jan 71
Ultrastructure of Langerhans cells. Jakubowicz K, et al. Pol Med J 9:986-95, 1970
Effect of chlorhexidine on animal cells in vitro. Helgeland K, et al. Scand J Dent Res 79:209-15, 1971
The ultrastructure of the interfollicular epidermis of the hairless (hr/hr) mouse. I. Basal and granular layer. Raknerud N, et al. Virchows Arch [Zellpathol] 8:206-24, 1971
On the origin and cytomorphosis of 'club cells' in the skin of Rita rita (Ham.) (Bagridae, Pisces). Mittal AK, et al. Z Mikrosk Anat Forsch 82:229-35, 1970
[Cuticle of the proboscidian sheath in Glycera convoluta Keferstein. (Annelida, Polychaeta). Histochemistry and ultrastructure. Bantz M, et al. Z Zellforsch Mikrosk Anat 118:221-42, 1971
An electron microscopic study of non-fixed and non-dehydrated normal human stratum corneum. Brody I. Z Zellforsch Mikrosk Anat 116:97-112, 1971
Surface specializations of the epithelial cells at the tip of the optic tentacle, dorsal surface of the head and ventral surface of the foot in helix aspersa. Rogers DC. Z Zellforsch Mikrosk Anat 114:106-16, 1971
Fine structure of the pterin layer in the dermis of Rana pipiens. Wise GE, et al. Z Zellforsch Mikrosk Anat 113:558-63, 1971
[Langerhans cells of the epidermis] Barták P, et al. Cesk Dermatol 46:109-11, Jun 71 (Cze)
[Ultrastructure of keratinocytes of human plantar skin] Agache P, et al. Ann Dermatol Syphiligr (Paris) 97:557-66, 1970 (Fre)
[A method for determining the total and differential melanocyte count and intermediate cells of Billingham and Medawar in black guinea pig skin] Shukla RC. Arch Anat Histol Embryol (Strasb) 52:27-32, 1969 (Fre)
[Electron microscope study of the histogenesis of Grandry's corpuscle in the duck] Saxod R. J Ultrastruct Res 32:477-96, Sep 70 (Fre)
[Physiology of the skin melanocyte in mammals] Prunieras M. Pathol Biol (Paris) 19:531-46, May 71 (104 ref.) (Fre)
[Studies on the epicuticle of insects. II. Modifications of the epidermis during the secretion of the adult epicuticle in Tenebrio molitor L] Delachambre J. Z Zellforsch Mikrosk Anat 112:97-119, 1971 (Fre)
[Ultrastructure of the ampullary organ of Gymnotus carapo (Gymnotidae) nature and origin of its polysaccharides] Derbin C, et al. Z Zellforsch Mikrosk Anat 113:531-43, 1971 (Fre)
[Langerhans cells in the pharyngeal epithelium of the cat and dog] Gruber D, et al. Anat Anz 127:414-21, 1970 (Ger)
[Alarm substance cells of Silifuformes (Ostariophysi, Pisces)] Pfeiffer W. Anat Anz 128:113-9, 1970 (Ger)
[Histochemical study on the ultrastructure of human keratins using acid sodiumthioglycolate and osmium tetroxide (callus, normal and psoriatic nails, hair)] Orfanos CE, et al. Arch Dermatol Forsch 240:404-18, 1971 (Ger)
[Senile changes of the human epidermis not exposed to environmental influences: an electron microscopic investigation] Nagy G, et al. Arch Klin Exp Dermatol 239:167-75, 1970 (Ger)
[The Langerhans cell organelle in Letterer Siwe's disease] Niebauer G, et al. Arch Klin Exp Dermatol 239:125-37, 1970 (Ger)
[Parakeratotic granules. A study using prolonged staining and burnt techniques with Sudan black in normal and psoriatic skin] Steigleder GK, et al. Arch Klin Exp Dermatol 239:414-25, 1971 (Ger)
[Experimental studies on the effect of moist brushing on the reactivity of the tegumental mast cells] Rákosfalvy Z, et al. Arch Phys Ther (Leipz) 21:121-6, Mar-Apr 69 (Ger)
[Behavior of the epidermal cells of the unaffected skin of psoriatics in cell culture] Peker J, et al. Dermatol Monatsschr 156:484-5, 1970 (Ger)
[Growth characteristics of latent psoriatic epidermis cells under culture conditions] Friedrich E, et al. Dermatologica 140:362-8, 1970 (Ger)
[Microcinematographic studies on the dynamics of tonofilaments in epidermic cells of fish] Bereiter-Hahn J. Sb Ved Pr Lek Fak Karlovy Univ 13:299-302, 1970 (Ger)
[Microcinematographic studies on the movement of granules in melanophores of Pterophyllum scalare] Egner O. Sb Ved Pr Lek Fak Karlovy Univ 13:303-7, 1970 (Ger)
[Cytological events in the tuberculine reaction] Desaga JF, et al. Verh Dtsch Ges Pathol 54:265-7, 1970 (Ger)
[Nuclear volumes and nucleic acid content in the human epidermis during different periods of life] Haag D, et al. Verh Dtsch Ges Pathol 54:491-6, 1970 (Ger)
[Ultrastructure of the electroceptor epidermis of the mormyridae (teleostei, pisces)] Harder W. Z Zellforsch Mikrosk Anat 114:262-70, 1971 (Ger)
[On the fine structure of cuticula and epidermis of the crayfish Orconectes limosus during a moulting cycle] Kümmel G, et al. Z Zellforsch Mikrosk Anat 109:517-51, 1970 (Ger)
[The alarm substance cells of Phoxinus phoxinus and Morulius chrysophakedion (Cyprinidae, Ostariophysi, Pisces). Histochemical and electron microscopical study] Pfeiffer W, et al. Z Zellforsch Mikrosk Anat 118:203-13, 1971 (Ger)
[Age dependent changes of cell nuclei in the human epidermis. Cytophotometric-karyometric studies] Tschahargane C, et al. Z Zellforsch Mikrosk Anat 119:434-50, 1971 (Ger)
[On peculiaritiesof melanocytes i human skin] Serri F, et al. Atti Accad Med Lomb 23:16-9, Jan-Mar 68 (Ita)
[Findings on the morphology and distribution of the Langerhans cells in some pathological conditions of the human epidermis] Lisi P. Boll Soc Ital Biol Sper 46:895-7, 15 Nov 70 (Ita)
[Ultrastructure of the myoepithelial cells of the cutaneous glands of Triturus cristatus carnifex (Laur.)] Bani G. Sperimentale 119:229-53, May-Jun 69 (Ita)
[Electron microscopic observation of the stratum intermedium between the stratum granulosum and the stratum corneum in the epidermis of the skin] Muto H. Acta Anat Nippon 46:5-11, Feb 71 (Jap)
[Dynamics of pigment cells and Langerhans cell] Oashi M, et al. Acta Dermatol (Kyoto) 65:134-7, Aug 70 (Jap)
[Histochemical studies on the mucous membrane in chronic otitis media and the grafting material for tympanoplasty] Watabe T. J Otolaryngol Jap 74:569-620, Mar 71 (Jap)
[Sex chromatin in various tissues of rabbits of different sexes] Gorokhova GP. Biull Eksp Biol Med 71:106-8, Mar 71 (Rus)
[Reactive inhibition of mitoses in amphibians] Krasnov VP. Zh Obshch Biol 32:77-81, Jan-Feb 71 (Rus)
[Ultrastructure in biological dressing] Eriksson G, et al. Nord Med 86:910, 29 Jul 71 (Swe)

DRUG EFFECTS

Pharmacodynamic response of epidermal hyperplasias to topical vinblastine treatment. An electron microscopic study in mice. Stjernvall L. Acta Radiol [Diagn] (Stockh) Suppl 283:1+, 1968
Localized skin changes induced by depot injections of vitamin A in the rat. Brown IV, et al. Am J Pathol 64:155-64, Jul 71
Ability to alter skin color: some implications for American society. Henshel RL. Am J Sociol 76:734-42, Jan 71
The effect of corticosteroids on human epidermal mitotic activity. Fisher LB, et al. Arch Dermatol 103:39-44, Jan 71
Pharmacological studies of Bufexamac topically applied on the skin. Lambelin G, et al. Arch Int Pharmacodyn Ther 187:401-14, Oct 70
Mechanism of skin photosensitization by forucoumarins. Photoreactivity of various furocoumarins with native DNA and with ribosomal RNA. Rodighiero G, et al. Biochim Biophys Acta 217:40-9, 17 Sep 70
A stimulant to DNA synthesis in guinea-pig ear epidermis. Heil E. Br J Dermatol 83:632-6, Dec 70
The application of an in vitro technique to the study of epidermal replication and metabolism. Marks R, et al. Br J Dermatol 84:453-60, May 71
Prostaglandin E1: effect on human cutaneous vasculature and skin histamine. Sondergaard J, et al. Br J Dermatol 84:424-8, May 71
The effect of various detergents on human epidermis. Wood DC, et al. Br J Dermatol 84:320-5, Apr 71
The effects of saponins on the transporting epithelium of isolated frog skin. Brash AR, et al. Br J Pharmacol 40:544P, Nov 70
Cutaneous reactions to intradermal prostaglandins. Crunkhorn P, et al. Br J Pharmacol 41:49-56, Jan 71
Effects of amylobarbitone and nitrazepam on the electrodermogram and other features of sleep. Haider I, et al. Br J Psychiatry 118:519-22, May 71
The effect of the spirolactone SC 14266 on the sodium transport across isolated frogskin. Nutbourne DM, et al. Clin Sci 39:16P, Dec 70
Facial chemosurgery. Aronsohn RB. Eye Ear Nose Throat Mon 50:128-35, Apr 71
Interaction of N,N-disubstituted p-phenylenediamines with guinea-pig epidermis in vivo. Reynolds RC, et al. Food Cosmet Toxicol 8:635-46, Dec 70
Thyroid hormone effects on chick scale morphogenesis and keratinization. Lawrenz NK, et al. J Embryol Exp Morphol 24:65-71, Aug 70
Accelerating effect of hydrocortisone on the keratinization of chick embryonic skin growing in a chemically defined medium. Sugimoto M, et al. J Embryol Exp Morphol 25:365-76, Jun 71
The effects of prolonged administration of cortisol on the skin of sheep on different planes of nutrition. Chapman RE, et al. J Endocrinol 48:649-63, Dec 70
Respiratory effects of octapeptide hormones on the isolated toad bladder and frog skin. Wright DW, et al. J Endocrinol 48:xivi, Dec 70
An electron microscopic study of the effects of subtilisin and detergents on human stratum corneum. Loomans ME, et al. J Invest Dermatol 55:101-14, Aug 70
Preferential radiosensitization of mouse sarcoma relative to normal skin by chronic intra-arterial infusion of halogenated pyrimidine analogs. Brown JM, et al. J Natl Cancer Inst 47:75-89, Jul 71
The effects of phenothiazine medication on skin

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

conductance and heart rate in schizophrenic patients. Spohn HE, et al. J Nerv Ment Dis 152:129-39, Feb 71
Modifications of the responses to antidiuretic hormone by hydrolytic enzymes. Cuthbert AW, et al. J Pharm Pharmacol 23:262-9, Apr 71
Interaction of hexachlorophene with human epidermis. I. In vivo bioelectrometric study of pH influence. Poust RI, et al. J Pharm Sci 59:1461-5, Oct 70
Antagonistic effect of nicotinic acid and phenylisopropyladenosine on catecholamine-stimulated short-circuit current increase in isolated frog skin. Fassina G. Life Sci [I] 9:1281-7, 15 Nov 70
Skin sensitization potential of the riot control agents BBC, DM, CN and CS in guinea pigs. Rothberg S. Milit Med 135:552-6, Jul 70
Effect of an anesthetic placebo on two-point thresholds. Thomas TR, et al. Percept Mot Skills 32:235-8, Feb 71
Effect of amiloride on sodium transport in frog skin. II. Sodium transport pool and unidirectional fluxes. Dörge A, et al. Pfluegers Arch 321:91-101, 1970
A study of the different sodium compartments and the transepithelial sodium fluxes of the frog skin with the use of ouabain. Nagel W, et al. Pfluegers Arch 324:367-78, 1971
Inhibition of lipid synthesis in rat skin by tetrolyl-pantetheine. Ziboh VA, et al. Proc Soc Exp Biol Med 136:15-8, Jan 71
Griseofulvin in dimethyl sulfoxide: penetration into guinea-pig skin and clinical findings in feline ringworm. Levine HB, et al. Sabouraudia 9:43-9, Mar 71
The anti-inflammatory effect of benzydamine. Harrison RG, et al. Toxicol Appl Pharmacol 17:355-60, Sep 70
Study of intra- and interlaboratory variability in the results of rabbit eye and skin irritation tests. Weil CS, et al. Toxicol Appl Pharmacol 19:276-360, Jun 71
[Ultrastructure stydy of skin infiltration by polyvinylpyrrolidone (substosan)] Leung TK, et al. Ann Dermatol Syphiligr (Paris) 97:567-72, 1970 (Fre)
[Histopathology of the skin of chronic alcoholics] Grosshans E, et al. Bull Soc Fr Dermatol Syphiligr 78:77-9, 1971 (Fre)
[Tegumentary actions of dry CO2 in man] Lecomte J. J Belge Rhumatol Med Phys 25:10-5, Jan-Feb 70 (Fre)
[Testing of locally applied glucocorticoids by animal experiments] Schröder HG, et al. Acta Endocrinol [Suppl] (Kbh) 152:20, 1971 (Ger)
[On the influence of hormones, particularly glucocorticoids, on the physical and chemical properties of normal and traumatized skin] Vogel HG. Acta Endocrinol [Suppl] (Kbh) 152:19, 1971 (Ger)
[Effect of DMSO on dermal proteins] Rodermund OE. Arch Dermatol Forsch 240:307-16, 1971 (Ger)
[Topical treatment of normal and pathological human skin with vitamin A acid (tretinoin)] Plewig G, et al. Arch Klin Exp Dermatol 239:390-413, 1971 (Ger)
[Examinations on the effect of carbon dioxide mineral baths on the histamine liberation of the human skin] Meinel B. Arch Phys Ther (Leipz) 22:267-74, Sep-Oct 70 (Ger)
[Influencing on mechanical skin properties in rat by hormones] Vogel HG. Arzneim Forsch 20:1849-57, Dec 70 (Ger)
[Cosmetic agents from the dermatologist's view] Ippen H. Cosmetologica 19:265-70, 20 Aug 70 (Ger)
[Cosmetic preparations in a practice trial] Schenk C. Cosmetologica 19:405-10, 20 Dec 70 (Ger)
[Synthesis and function of skin cleansing agents] Wolff G. Cosmetologica 19:323-8, 20 Sep 70 (Ger)
[Tissue damages after cortisone injections] Eichler HJ. Hefte Unfallheilkd 99:152-6, 1969 (Ger)
[Skin tolerance tests in animal experiments] Schütz E. Naunyn Schmiedebergs Arch Pharmakol 266:448-9, 1970 (Ger)
[Surface effects of estrogen, progesterone and dexamethasone administered to women patients] Binazzi M, et al. G Ital Dermatol 46:116-8, Mar 71 (Ita)
[Sex hormones and cutaneous connective tissue] Cerimele D, et al. G Ital Dermatol 46:55-7, Feb 71 (Ita)
[Cosmetology and dermatology] Comel M. G Ital Dermatol 45:351-412, Jun 70 (Ita)
[The action of the epidermal growth factor (EGF) on mouse skin in normal and pathological conditions] Frati C. G Ital Dermatol 46:205-9, May 71 (Ita)
[Glycoactive hormones and cutaneous connective tissue] Giannetti A, et al. G Ital Dermatol 46:58-60, Feb 71 (Ita)
[Effect of sucrose on skin cultures of a patient with mucopolysaccharidosis] Baccichetti C, et al. Riv Anat Patol Oncol 33:524-8, 1968 (Ita)
[Experimental study of skin reactions to the combined effect of x-irradiation and prednisolone] Karnaukhova EK. Biull Eksp Biol Med 68:103-4, Nov 69 (Rus)
[Some data on changes in the pH of the skin surface in workers engaged in the production of antibiotics] Elizarov GP, et al. Gig Tr Prof Zabol 15:52-4, Jan 71 (Rus)
[Skin dystrophy after prolonged application of corticosteroid ointments (experimental study)] Akimochkina RG, et al. Vestn Dermatol Venerol 43:43-6, Aug 69 (Rus)
[Biological effect of humic substances on the animal skin] Soldatov VV, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:256-9, May-Jun 70 (Rus)
[Effect of skin coating with some reductive compounds on the alcohol concentration in blood] Otašević V, et al. Med Glas 24:124-7, Mar 70 (Cro)

EMBRYOLOGY

Vertebrate limb ontogeny and limb regeneration: morphogenetic parallels. Faber J. Adv Morphog 9:127-47, 1971 (81 ref.)
The organogenesis and arrangement of cutaneous appendages in birds. Sengel P. Adv Morphog 9:181-230, 1971 (52 ref.)
Anchor filament bundles in embryonic skin: origin and termination. Kischer CW, et al. Am J Anat 130:179-93, Feb 71
Ultrastructural observations on amniotic fluid cells. Nieland ML, et al. Am J Obstet Gynecol 108:1030-42, 1 Dec 70
Electron microscope study on the embryonic differentiation of the epidermis in human skin. Fujita H, et al. Arch Histol Jap 32:355-73, Nov 70
Electron microscopic study of the effect of vitamin A on the differentiation of reconstructed embryonic chick skin. Sagami S, et al. Br J Dermatol 83:565-71, Nov 70
Metaplastic induction of scales and feathers in the corneal anterior epithelium of the chick embryo. Coulombre JL, et al. Dev Biol 25:464-78, Jul 71
Electrophoretic analysis of cell populations in presumptive epidermis of the frog, Rana pipiens. Dasgupta S, et al. Exp Cell Res 65:463-6, Apr 71
Fine structural changes in the differentiating epidermis of Xenopus laevis embryos. Billett FS, et al. J Anat 108:465-80, Apr 71
The ultrastructure of the skin of human embryos. 8. Melanoblast and intrafollicular melanocyte. Hashimoto K. J Anat 106:99-108, Jan 71
The surface layer of human foetal skin and oral mucosa: a study by scanning and transmission electron microscopy. Whittaker DK, et al. J Anat 108:453-64, Apr 71
Prostaglandin-B 1 , embryonic skin, and the dermo-epidermal junction. Kischer CW, et al. J Cell Biol 47:303-10, Oct 70
Thyroid hormone effects on chick scale morphogenesis and keratinization. Lawrenz NK, et al. J Embryol Exp Morphol 24:65-71, Aug 70
The induction of hair follicles by embryonic dermal papillae. Koliar EJ. J Invest Dermatol 55:374-8, Dec 70
Herman Beerman Lecture. Some thoughts on embryonic inductions in relation to determination. Wessells NK. J Invest Dermatol 55:221-5, Oct 70
The genesis and significance of digital and palmar hand creases: preliminary report. Popich GA, et al. J Pediatr 77:1017-23, Dec 70
Merkel cells in sheep epidermis during fetal development. Lyne AG, et al. J Ultrastruct Res 34:464-72, Mar 71
Development of the cuticle in the rotifer Asplanchna brightwelli. Brodie AE. Z Zellforsch Mikrosk Anat 105:515-25, 1970
[Electron microscope study of the histogenesis of cutaneous sensory Herbst and Grandy corpuscles (duck beak)] Saxod R. Annee Biol 9:589-90, Jul-Oct 70 (Fre)
[Induction of feather germs, in vitro, in the proamniotic epithelium of chicken, associated with the dermis of dorsal skin] Mizuno T. C R Acad Sci [D] (Paris) 271:2027-30, 30 Nov 70 (Fre)
[The spinal pteryla of the chick embryo: presumptive area, arrangement and embryonic development] Mauger A, et al. Dev Biol 23:609-32, Dec 70 (Fre)
[Histological and histochemical study of the skin of the chicken during embryogenesis] Khalilov KhR, et al. Arkh Anat Gistol Embriol 59:95-9, Jul 70 (Rus)
[An electron microscopic study of embryonal collagen] Miagkaia GL, et al. Arkh Anat Gistol Embriol 59:3-8, 1970 (Rus)
[Interrelation of blood vessels and hair follicoes in sheep embryogenesis] Panfilova EP, et al. Dokl Akad Nauk SSSR 195:1201-3, 1970 (Rus)

ENZYMOLOGY

Histochemical distribution and functional significance of alkaline phosphatase in the epidermis of certain digenetic trematodes. Sharma PN, et al. Acta Biol Acad Sci Hung 21:369-74, 1970
Beta-hydroxyacyl-CoA dehydrogenase and glucose-6-phosphte dehydrogenase in normal human skin and in some papulosquamous diseases of the skin. Hammar H. Acta Derm Venereol (Stockh) 51:93-7, 1971
Proteolytic enzymes in the skin. IV. Demonstration of additional (acidic) proteinases in mammalian skin, and basic data on the chromatographic separation of the total proteinase complex of the rat skin. Jansén CT, et al. Acta Derm Venereol (Stockh) 50:412-8, 1970
Proteolytic enzymes in the skin. V. Extraction and column chromatographic separation of the human skin proteinases. Seppä HE, et al. Acta Derm Venereol (Stockh) 51:35-40, 1971
Histochemical localization of alkaline phosphatase and its physiological significance in the body wall and receptor organs of the common Indian leech (Poecilobdella granulosa; Savigny, 1822). Mishra GC, et al. Acta Morphol Neerl Scand 8:357-61, May 71
Studies of skin fibroblasts from 10 families with HGPRT deficiency, with reference in X-chromosomal inactivation. Migeon BR. Am J Hum Genet 23:199-210, Mar 71
Protocollagen proline hydroxylase activity in scieroderma and other connective tissue disorders. Uitto J, et al. Ann Clin Res 2:235-9, Sep 70
Purification and properties of collagen proline hydroxylase from newborn rat skin. Rhoads RE, et al. Arch Biochem Biophys 139:329-39, Aug 70
Activity and kinetics of DNA dependent DNA and RNA polymerases n xeroderma pigmentosum and in normal human skin. Müller WE, et al. Arch Dermatol Forsch 240:334-41, 1971
Simultaneous incorporation of 18 O into succinate and hydroxyproline catalyzed by collagen proline hydroxylase. Cardinale GJ, et al. Biochem Biophys Res Commun 43:537-43, 7 May 71
Preparation and properties of collagenases from epithelium and mesenchyme of healing mammalian wounds. Donoff RB, et al. Biochim Biophys Acta 227:639-53, 10 Mar 71
Studies in the biochemistry of skin. V. The particulate origin of adenylate kinase in the skin of neonatal rats. Rosett T, et al. Biochim Biophys Acta 222:5-14, 27 Oct 70
Nucleoside triphosphatase in Langerhans cells of autolytic skin. Fritsch PO, et al. Br J Dermatol 84:44-7, Jan 71
The pentose phosphte pathway in human and animal skin. Jarret A. Br J Dermatol 84:545-53, Jun 71
The adenyl cyclase of skin. I. Measurement and properties. Mier PD, et al. Br J Dermatol 83:359-63, Sep 70
Enzyme changes in the early phase of healing skin burns in guinea-pigs. Malik MO. Br J Exp Pathol 52:345-52, Aug 71
Intracellular enzymes and protein synthesis in rabbit skin after thermal injury. Lewis GP, et al. Br J Pharmacol 42:437-46, Jul 71
Enzymes of glycogen metabolism in human skin with particular reference to differential diagnosis of the glycogen storage diseases. Leathwood PD, et al. Clin Sci 40:261-9, Mar 71
Demonstration of proteolytic enzymes in epidermal extracts capable of producing splits in skin. Kandhari KC, et al. Dermatologica 141:428-32, 1970
Adaptive changes of glycerol 3-phosphate dehydrogenase level in rat skin: effects of starvation, alloxan diabetes and insulin. Ziboh VA, et al. Endocrinology 89:240-5, Jul 71
Biochemical and histochemical observations on isocitrate dehydrogenase activity in early wound healing. Raekallio J, et al. Experientia 26:1301-2, 15 Dec 70
Microspectrophotometric study of oxidative enzymes in irradiated epidermis. Klein-Szanto AJ, et al. Int J Radiat Biol 18:235-41, 1970
Histidase function in human epidermal cells. Barnhisel ML, et al. J Cell Physiol 76:7-15, Aug 70
Catechol-O-methyl transferase (COMT) in skin of patients with psoriasis. Bamshad J, et al. J Invest Dermatol 55:147-8, Aug 70
Stabilization of cytochrome oxidase activity of rat skin and gingiva by dimethyl sulfoxide and Ficoll. Fine AS, et al. J Invest Dermatol 55:260-4, Oct 70
Quantitative histochemistry of nicotinamide adenine nucleotides in human skin. Im MJ, et al. J Invest Dermatol 55:277-81, Oct 70
Increased activity of skin surface DNase I after beta-irradiation injury or clipping of guinea pig hair. Tabachnick J, et al. J Invest Dermatol 55:89-93, Aug 70
Regulation of tyrosinase activity in mouse melanoma and skin by changes in melanosomal membrane permeability. Van Woert MH, et al. J Invest Dermatol 56:343-8, May 71
Alteration of rat skin acid and alkaline phosphatase and beta-glucuronidase activity after topical application of fluocinolone acetonide cream. Di Pasquale G, et al. J Pharm Pharmacol 22:642-3, Aug 70
Hydroxysteroid dehydrogenase activity in human foetal skin--a histochemical study. Sharp F. J Reprod Fertil 25:455, Jun 71
5alpha-steroid reductase activity in tissues from rats with end organ insensitivity to testosterone. Bullock L, et al. Life Sci [I] 9:701-5, 15 Jun 70
Induction of benzo(alpha)pyrene hydroxylase activity in rat skin. Schiede E, et al. Life Sci [II] 9:1295-303, 22 Nov 70
Human skin collagenase. The role of serum alpha-globulins in the control of activity in vivo and in vitro. Eisen AZ, et al. Proc Natl Acad Sci USA 68:348-51, Jan 71
The distribution of nerves, monoamine oxidase and cholinesterase in the skin of the guinea-pig, hamster, mouse, rabbit and rat. Jenkinson DM. Res Vet Sci 11:60-70, Jan 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Significance of collagenases from healing mammalian wounds. McLennan JE, et al.
Rev Surg 28:140-1, Mar-Apr 71
Enzyme histochemical studies on rat skin autografts. Pedersen FB, et al.
Scand J Plast Reconstr Surg 4:83-8, 1970
Arginase activity in the skin of normal and mutant mice with hereditary hairlessness. Tsuji S, et al.
Wakayama Med Rep 14:101-6, Jan 71
Early enzyme changes in skin wounds demonstrated by isoelectric focusing in polyacrylamide gel. Jarecki R, et al. Z Rechtsmed 67:313-8, 1970
[Acid skin proteases] Krs V, et al.
Cesk Dermatol 45:214-7, Sep 70 (Cze)
[Determination of lysosomal hydrolases in the embryonal human skin] Zďruba F, et al.
Cesk Dermatol 45:233-7, Sep 70 (Cze)
[Leucine aminopeptidase and naphtylamidases in human skin. V. Dipeptide naphtylamidases] De Bersaques J.
Arch Belg Dermatol Syphiligr 26:529-37, Oct-Dec 70 (Fre)
[Some properties of the ATPases of frog skin] Dargent-Salée ML.
Arch Int Physiol Biochim 78:253-8, Apr 70 (Fre)
[Comparative distribution of dehydrogenases in normal skin and in an epidermoid epithelioma in mice] Dokov VK, et al.
C R Soc Biol (Paris) 164:675-6, 1970 (Fre)
[Leucine aminopeptidase and naphthylamidases in human epidermis. I. Biochemical data] Bersaques J de. Enzymol Biol Clin (Basel) 9:219-33, 1968 (Fre)
[Localisation of DNAse by the substrate film method: comparison of different DNA preparations] Daoust R.
Rev Can Biol 29:129-32, Jun 70 (Fre)
[The behavior of different dehydrogenases and oxidases of the rat skin with local ischemia] Schmidt H, et al. Acta Histochem (Jena) 37:80-104, 1970 (Ger)
[Demonstration and origin of the nonspecific carboxylesterase with gamma-mobility (gamma-organ esterase) on the human skin surface] Herrmann WP, et al. Arch Klin Exp Dermatol 238:390-7, 1970 (Ger)
[Photometrical determination of enzyme activities in living epidermal cells] Schaefer H, et al.
Arch Klin Exp Dermatol 239:347-54, 1971 (Ger)
[Cytochemical examinations of cultivated epidermis cells of clinically healthy psoriatic skin] Wohlrab W, et al. Arch Klin Exp Dermatol 239:96-106, 1970 (Ger)
[Physiology of the aging skin] Salfeld K.
Cosmetologica 19:95-100, 20 Mar 70 (Ger)
[Comparative quantitative and histotopochemical examinations on phosphomonoesterases in the clinical unaffected skin of psoriatics] Wohlrab W, et al. Dermatol Monatsschr 156:481-3, 1970 (Ger)
[Topical histochemical studies on the reaction of clinically normal areas of the skin of psoriasis patients to stripping of the horny layer of the epidermis] Wohlrab W, et al. Dermatologica 142:79-88, 1971 (Ger)
[Distribution and activity of phosphomonoesterases in the cutis of unaffected psoriatic skin] Wohlrab W, et al. Dermatologica 141:21-7, 1970 (Ger)
[Ultrastructural localization of cytochrome oxidase in the mitochondria of normal guinea pig epidermis] Rupec M, et al. Histochemie 24:127-9, 1970 (Ger)
[Arginase activity of the skin determined with a modification of the xanthydrol reaction. (Experiments with animals and humans)] Frati C.
Arch Ital Dermatol Venereol Sessuol 36:325-30, 1971 (Ita)
[On the relations between TPN-dependent dehydrogenase and keratinization] Ribuffo A.
G Ital Dermatol 45:237-45, Apr 70 (Ita)
[Acid maltase in leukocytes and in cultivated skin cells in Pompe's disease] Tenconi R, et al.
Riv Anat Patol Oncol 33:516-9, 1968 (Ita)
[Activity of energy metabolism enzymes of the skin in various stages of eczema] Novikova NF.
Vestn Dermatol Venerol 44:26-31, Jun 70 (Rus)
[Activity of acid and alkaline phosphatase in the skin of healthy persons and in those with chronic pemphigus] Tseraidis GS, et al.
Vestn Dermatol Venerol 45:59-63, Feb 71 (Rus)
[Histochemical study of several oxidation-reduction enzymes in the affected skin during exacerbation of leprous erythema nodosum] Zhuravleva GF, et al.
Vestn Dermatol Venerol 45:16-8, Jan 71 (Rus)

GROWTH & DEVELOPMENT

The uptake of tritiated thymidine by the dorsal epidermis of the fetal and newborn rat. Stern IB, et al.
Anat Rec 170:225-34, Jun 71
Development of the epidermis of the marsupial Trichosurus vulpecula. Lyne AG, et al.
Aust J Biol Sci 23:1067-75, Oct 70
Biosynthesis, in vitro, of "histidine-protein"--a biochemical marker in epidermal differentiation. Sugawara K, et al.
Biochim Biophys Acta 238:129-38, 29 Apr 71
The direction of growth of human epidermis. Pinkus H.
Br J Dermatol 83:556-64, Nov 70
Direction of epithelial growth. Ryan TJ.
Br J Dermatol 83:701-2, Dec 70
Incubation patch of the chicken: response to hormones in situ and transplanted to a dorsal site. Jones RE, et al. Gen Comp Endocrinol 15:398-403, Dec 70
The induction of hair follicle formation in the adult hooded rat by vibrissa dermal papillae. Oliver RF.
J Embryol Exp Morphol 23:219-36, Feb 70
The effect of hypophysectomy, and of injections of thyrotrophin and corticotrophin into hypophysectomized animals, on the sloughing cycle of the lizard, Gekko gecko L. Chiu KW, et al.
J Endocrinol 49:611-8, Apr 71
The role of prolactin in the sloughing cycle of the lizard, Gekko gecko L. Chiu KW, et al.
J Endocrinol 49:625-34, Apr 71
The effect of prolactin on the sloughing cycle in the hypophysectomized-thyroidectomized lizard, Gekko gecko L. Chiu KW, et al. J Endocrinol 49:619-24, Apr 71
Epidermal-dermal interactions in adult human skin. II. The nature of the dermal influence. Briggaman RA, et al. J Invest Dermatol 56:18-26, Jan 71
Growth of postembryonic skin epithelial cells on collagen gels. Karasek MA, et al.
J Invest Dermatol 56:205-10, Mar 71
The growth of fetal mouse skin in cell culture and transplantation to F1 mice. Yuspa SH, et al.
J Invest Dermatol 55:379-89, Dec 70
Fibrinolysis in the control of growth and inflammation in the skin. Ryan TJ. J Pathol 103:pix, Feb 71
Growth regulation in mouse epidermis. I. G 2 -inhibitor present in the basal cell layer. Elgjo K, et al.
Virchows Arch [Zellpathol] 8:277-83, 1971
Morphogenesis and histogenesis of the muzzle skin in bovines. Barasa A, et al.
Z Anat Entwicklungsgesch 133:37-53, 1971

IMMUNOLOGY

Respiratory symptoms and skin reactivity in workers exposed to proteolytic enzymes in the detergent industry. Mitchell CA, et al.
Am Rev Resp Dis 104:1-12, Jul 71
Skin sensitivity in guinea pigs induced by group II mycobacteria. Runyon EH, et al.
Am Rev Resp Dis 104:107-13, Jul 71
The immunofluorescent "band" test for lupus erythematosus. 3. Employing clinically normal skin. Burnham TK, et al. Arch Dermatol 103:34-32, Jan 71
Immuno-histopathology of the skin in pemphigoid. Cormane RH, et al. Br J Dermatol 83:435-45, Oct 70
Immunofluorescent studies of the skin in cryoglobulinaemic vasculitis. Cream JJ.
Br J Dermatol 84:48-53, Jan 71
The specificity of skin-sensitizing antibodies in the guinea-pig. Es L van, et al.
Clin Exp Immunol 6:741-51, May 70
Letter to the editor. Snoijink JJ.
Dermatologica 141:60-1, 1970
Antigenic components of normal and burned mouse skin. Holder IA, et al. Experientia 26:1363-5, 15 Dec 70
Soluble antigen-antibody complexes reactive in homologous rabbit skin. Pinto M, et al.
Experientia 27:199-200, 15 Feb 71
Immunochemical studies on collagen. II. Antigenic differences between guinea pig skin collagen and gelatin. Michaeli D, et al.
Immunochemistry 8:1-6, Jan 71
The skin--a first level lymphoid organ? Fichtelius KE, et al. Int Arch Allergy Appl Immunol 41:13-5, 1971
The accumulation of eosinophils and basophils at skin sites as related to intensity of skin reactivity and symptoms in atopic disease. Feiarca AB, et al.
J Allergy Clin Immunol 48:125-33, Sep 71
Further studiesn guinea pig skin sensitizing activities of human myeloma proteins. Ovary Z, et al.
J Immunol 105:1103-7, Nov 70
Antigens of human wart tissue. Pass F, et al.
J Invest Dermatol 56:305-10, Apr 71
Alteration of skin in gross leukemia. II. Kinetic, preleukemic, and irradiation studies. Mariani T, et al.
J Natl Cancer Inst 47:361-6, Aug 71
On the development of delayed skin hypersensitivity following separate injection of antigen and Freund's complete adjuvant. Preliminary report. Saito T, et al.
Jap J Tuberc Chest Dis 16:44-51, Jul 70
Effect of previous injection of antigen on the development of delayed skin hypersensitivity following injection of the same antigen in Freund's complete adjuvant. With special reference to the site and time interval of the two injections. Saito T, et al.
Jap J Tuberc Chest Dis 16:52-6, Jul 70
Simple method for detecting IgG on epithelial cells. Feliner MJ, et al. Lancet 2:379, 14 Aug 71
Cutaneous interferon production in patients with Hodgkin's disease and other cancers infected with varicella or vaccinia. Armstrong RW, et al.
N Engl J Med 283:1182-7, 26 Nov 70
Serum IgE concentrations and skin reactivity to anti-IgE antibody in IgA-deficient patients. Schwartz DP, et al. N Engl J Med 284:513-7, 11 Mar 71
Ultrastructural localization of pemphigus autoantibodies within e epidermis. Wolff K, et al.
Nature (Lond) 229:59-61, 1 Jan 71
Urea-extractable antigens in normal, benign, and neoplastic mouse epidermis. Carruthers C.
Oncology 24:321-34, 1970
Epidermal allergens. Berrens L.
Rev Allergy 24:917-25, Oct 70
A new matching technique: the mixed skin cell-leukocyte reaction, (MSLR). Cochrum KC, et al.
Surgery 70:97-102, Jul 71
A serological method for detecting the surface antigens of epidermal cells. Cooper S, et al.
Transplantation 11:108-10, Jan 71
[Induction of skin-sensitizing antibody to horse gamma-globulin by a horse antimouse thymocyte serum. Kind LS, et al.
Transplantation 11:489-91, May 71
[Are the globulins fixed at the dermoepidermic junction in lupus erythematosus anti-basement membrane antibodies?] Beyvin AJ, et al.
Presse Med 7:1070, 8 May 71 (Fre)
[Immunologic analysis of tyrosinase in malignant melanoma, nevi and clinically normal skin] Herrmann WP. Arch Dermatol Forsch 241:65-74, 1971 (Ger)
[Immunofluorescence studies in clinical and experimental dermatology. I. Preparation, conjugation and characterization of immunoglobulins] Misgeld V, et al.
Arch Klin Exp Dermatol 239:150-66, 1970 (Ger)
[Immunohistochemical studies using an enzyme-immunoglobulin conjugate. Demonstration of in vivo bound immunoglobulins in lupus erythematosus, pemphigus vulgaris, pemphigus erythematosus and pemphigoid] Wolff K, et al.
Arch Klin Exp Dermatol 238:381-9, 1970 (Ger)
[Autoimmunology studies in psoriasis patients] Sönnichsen N, et al.
Dermatol Monatsschr 155:712-8, 1969 (Ger)
[Presence and synthesis of immunoglobulins in tissues of the gastro-intestinal and respiratory tracts, in the conjuctival and vaginal mucosa and in the skin] Aiuti F, et al. Progr Immunobiol Stand 4:297-307, 1970 (Ita)
[Delayed hypersensitivity reaction in staphylococcal infections. 1. Delayed cutaneous reaction by staphylococcal cell wall material (mucopeptide)] Mizutani N. Acta Paediatr Jap 75:304-10, Apr 71 (Jap)
[Delayed hypersensitivity reaction in staphylococcal infections. 2. Passive transfer of delayed cutaneous hypersensitivity reaction by staphylococcal cell wall material (mucopeptide)] Mizutani N.
Acta Paediatr Jap 75:311-7, Apr 71 (Jap)
[Comparative study of the antigenic properties of native and formalinized skin] Feigel'man SS, et al.
Biull Eksp Biol Med 71:58-60, Jan 71 (Rus)
[Antigen specificity of high-molecular proteins of burnt skin] Movshev BE.
Biull Eksp Biol Med 70:58-61, Sep 70 (Rus)
[Histologic reaction of the delayed type in secondary erythrodermas] Rodin IuA.
Vestn Dermatol Venerol 43:16-9, Aug 69 (Rus)

INJURIES

Wound healing impairment from sutures. A tensiometric and histologic study in the rat. Brunius U. Acta Chir Scand 395:Suppl 395:1+, 1968
Reactions of the guinea pig's skin and adipose tissue to experimental frostbite. A histochemical study. Laiho K, et al.
Acta Pathol Microbiol Scand [A] 79:91-100, 1971
Tensiometric studies of unwounded and wounded skin: results using a standardized testing method. White WL, et al. Ann Surg 173:19-25, Jan 71
Neuroti excoriations--a quantitative approach to the effect of treatment. Savin JA.
Br J Clin Pract 24:451-4, Oct 70
Traumatic (electrode) calcinosis. Caldwell IW.
Br J Dermatol 84:188-9, Feb 71
Histologic response of skin to repeated trauma. Johnson WC, et al. Dermatologica 142:7-13, 1971
A comparative study of the character and rapidity of the vital reaction in the incised wounds of human skin and subcutaneous adipose tissue. Ojala K, et al.
J Forensic Med 16:29-34, 1969
Histological and ultrastructural studies of the late phases of wound healing. Williams G.
J Pathol 101:Pix, Aug 70
Trauma and skin cancer. Brodkin RH, et al.
Med Trial Tech Q 17:37-47, Sep 70 (78 ref.)
Cosmetic improvement of factitial defects. Orentreich N, et al. Med Trial Tech Q 17:172-80, Dec 70
Experimental cutaneous Candida albicans infection in guinea-pigs. Van Cutsem J, et al.
Sabouraudia 9:17-20, Mar 71
Surgical management of cutaneous lye burns. Wolfort FG, et al. Surg Gynecol Obstet 131:873-6, Nov 70
Early enzyme changes in skin wounds demonstrated by isoelectric focusing in polyacrylamide gel. Jarecki R, et al. Z Rechtsmed 67:313-8, 1970
[Effects of ventral skin lesions on reactivity to pain stimuli in rats] Le Moal M, et al.
C R Soc Biol (Paris) 164:1022-7, 1970 (Fre)
[Dynamics of skin reaction following horn layer stripping. Histochemical and cytochemical studies on guinea pig ears] Braun-Falco O, et al.
Arch Dermatol Forsch 241:1-14, 1971 (Ger)
[Wound closure without sutures in operative therapy in dermatology] Scholz A, et al.
Dermatol Monatsschr 157:126-32, Feb 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Covering of large surface wounds by a combination of autoplastic micro-grafts and alloplastic skin-prostheses] Joppich I, et al. Langenbecks Arch Chir 322:1017-22, 1968 (Ger)
[Kidney metabolism disorders in skin burns] Truss F. Langenbecks Arch Chir 322:949-54, 1968 (Ger)
[2 cases of acute physical injuries of the skin] Korting GW. Med Welt 30:1359-60, 25 Jul 70 (Ger)
[The treatment of skin lesions with Sofra-Tulle] Gerber R, et al. Praxis 60:539-40, 27 Apr 71 (Ger)
[Examinations on combined injuries. Bacteriologic examination in mice, that had whole body irradiation in combination with open skin wounds] Messerschmidt O, et al. Strahlentherapie 139:594-602, May 70 (Ger)
[Electronic-ray investigation of electrical injuries] Böhm E. Z Rechtsmed 67:293-308, 1970 (Ger)
[Influence of chondroitin sulfate on the process of cicatrization of experimentally produced cutaneous injuries] Baggi G, et al. Minerva Chir 25:181-4, 15 Feb 70 (Ita)
[Differential diagnosis between intra vitam and post-morten skin lesions. 8. Changes on the capillaroscopic picture] Lo Menzo G, et al. Zacchia 4:374-83, Jul-Sep 68 (Ita)
[Chronologic diagnosis of skin wounds. Use and limitations of serotonin determination] Merli S, et al. Zacchia 5:380-91, Jul-Sep 69 (Ita)
[The completeness of cutaneous restoration during post-traumatic regeneration in warmblooded animals] Braun AA, et al. Biull Eksp Biol Med 71:82-6, Mar 71 (Rus)
[Skin wound healing in birds] Efimov EA. Biull Eksp Biol Med 68:102-5, Aug 69 (Rus)
[Characteristics of healing of head skin wounds in mice] Efimov EA. Biull Eksp Biol Med 70:103-6, Nov 70 (Rus)
[A comparative study of the healing of full layer wounds in newborn and mature rats] Efimov EA. Biull Eksp Biol Med 65:75-7, 1968 (Rus)
[New type of ESR signal arising in animal tissues treated with a series of chemical agents and during necroses] Saprin AN, et al. Dokl Akad Nauk SSSR 189:889-91, 1 Dec 69 (Rus)
[Healing of skin wounds sutured with silk sterilized with antibiotics] Orlov VI, et al. Eksp Khir Anesteziol 15:36-40, Jul-Aug 70 (Rus)
[Treatment of skin burns with hexachlorophene emulsion] Ashmarin IuIa, et al. Sov Med 33:74-6, Dec 70 (Rus)
[Use of freshly oxidated aluminum in the treatment of skin defects] Sheremet IV, et al. Vestn Khir 104:127-8, Mar 70 (Rus)

INNERVATION

Centrifugal cutaneous nerve discharges in the decerebrate phalanger, Trichosurus vulpecula. Megirian D. Arch Ital Biol 108:388-99, Apr 70
Modification by the baroreceptors of responses in sympathetic nerves evoked by stimulation of cutaneous nerves in the dog. Whitwam JG, et al. Br J Anaesth 42:799-800, Sep 70
A biopsy study of the innervation of forearm skin grafted to the finger tip. Ridley A. Brain 93:547-54, 1970
Cortical unit responses to temperature stimulation of the skin. Kreisman NR, et al. Brain Res 25:184-7, 8 Jan 71
The Merkel rete papilla--a slowly adapting sensory receptor in mammalian glabrous skin. Munger BL, et al. Brain Res 29:47-61, 4 Jun 71
Learning a vibrotactile code at five different loci. Diespecker DD. Cortex 6:293-8, Sep 70
Changes of cutaneous receptive fields of spino-cervical-tract neurones and other dorsal horn neurones by microelectrophoretically administered amino acids. Zieglgänsberger W, et al. Exp Brain Res 13:111-26, 1971
Functional properties of mechanoreceptors in glabrous skin of the raccoon's forepaw. Pubols LM, et al. Exp Neurol 31:165-82, May 71
Sensory innervation of the skin and mucosa of some parts of the head in the domestic fowl. Malinovský L, et al. Folia Morphol (Praha) 19:18-23, 1971
Presynaptic and post-synaptic inhibition elicited in the cat's dorsal column nuclei by mechanical stimulation of skin. Andersen P, et al. J Physiol (Lond) 210:433-55, Sep 70
Cutaneous receptive properties of single fibres in the cat's medial lemniscus. Brown AG, et al. J Physiol (Lond) 211:Suppl:37P+, Dec 70
The distribution of cutaneous receptors in the rabbit's hind limb and differential electrical stimulation of their axons. Brown AG, et al. J Physiol (Lond) 213:495-506, Mar 71
Cortical progection of the Type I slowly adapting cutaneous afferent units. Iggo A, et al. J Physiol (Lond) 217:46P-47P, Aug 71
Primate cutaneous thermal nociceptors. Iggo A, et al. J Physiol (Lond) 216:77P-78P, Jul 71
Presynaptic depolarization of myelinated afferent fibres evoked by stimulation of cutaneous C fibres. Jänig W, et al. J Physiol (Lond) 214:29-50, Apr 71
Two classes of slowly adapting mechanoreceptor fibres in reptile cutaneous nerve. Kenton B, et al. J Physiol (Lond) 212:21-44, Jan 71
Afferent input to cat spinal cord from forepaw cutaneous nerve fibres. Paul DH, et al. J Physiol (Lond) 214:47P-49P, Apr 71
The receptor community in the finger tip. Quilliam TA, et al. J Physiol (Lond) 216:15P-17P, Jul 71
Synaptic connexions of alpha extensor motoneurones with ipsilateral and contralateral cutaneous nerves. Rosenberg ME. J Physiol (Lond) 207:231-55, Mar 70
Peripheral nerve activity in response to heating the cat's skin. Stolwijk JA, et al. J Physiol (Lond) 214:377-92, May 71
Effects of fentanyl upon the spinal interneurons activated by A afferent fibers of the cutaneous nerve of the cat. Iwata N, et al. Jap J Pharmacol 21:413-6, Jun 71
Regional cutaneous and visceral sympathetic activity during asphyxia in the anesthetized rabbit. Iriki M, et al. Pflugers Arch 322:167-82, 1971
Effect of MSH on the melanocytes and nerve elements of rabbit skin. Fryszman A, et al. Pol Med J 9:1246-51, 1970
Changes in skin innervation in the course of Arthus and Shwartzman phenomena in rabbit. Lukasiak B, et al. Pol Med J 9:1252-7, 1970
The distribution of nerves, monoamine oxidase and cholinesterase in the skin of the guinea-pig, hamster, mouse, rabbit and rat. Jenkinson DM. Res Vet Sci 11:60-70, Jan 70
The descending trigeminal tract as a mechanism for intersegmental sensory facilitation. Denny-Brown D, et al. Trans Am Neurol Assoc 95:129-33, 1970
Relation of fiber size in trigeminal posterior root to conduction of impulses for pain and touch; production of analgesia without anesthesia in the effective treatment of trigeminal neuralgia. Sweet WH, et al. Trans Am Neurol Assoc 95:134-9, 1970
[Neural receptors] Vincent JD. Bord Med 3:3009-10 passim, Dec 70 (Fre)
[Longitudinal distribution of spinal cord potentials obtained by adequate cutaneous stimulation in the spinal cat] Bouaziz M, et al. J Physiol (Paris) 1:Suppl 1:94, 1969 (Fre)
[Electron microscopic study of the histogenesis of Herbst's corpuscle in the skin of the duck] Saxod R. J Ultrastruct Res 33:463-82, Dec 70 (Fre)
[Presence of differences in the innervation of skin end surfaces in both extremities of mammals] Kadanoff D. Acta Anat (Basel) 75:423-42, 1970 (Ger)
[Studies of the impulse pattern of peripheral nerves during dynamic pressure stimulation of skin] Maier R. Acta Biol Med Ger 24:847-56, 1970 (Ger)
[Cutaneous sense organs: tasks and performance] Schmidt RF. Klin Wochenschr 49:530-40, 1 May 71 (Ger)
[Skin and the nervous system] Ormea F. G Ital Dermatol 44:373-9, Aug 69 (Ita)
[Pharmacological studies on the mechanism of cutaneous inhibition on the masseteric monosynaptic reflex] Sakai Y, et al. Folia Pharmacol Jap 67:150-65, Mar 71 (Jap)
[Cutaneous nerves of the foot in man and macague] Urbanowicz Z. Folia Morphol (Warsz) 29:479-90, 1970 (Pol)
[Changes in the activity of tactile receptors under sympathetic influences] Dmitrieva TM, et al. Biull Eksp Biol Med 67:3-7, Jun 69 (Rus)
[The mechanism of reciprocal interaction between cutaneous touch receptors] Esakov AI, et al. Biull Eksp Biol Med 65:3-7, Apr 68 (Rus)
[The effect of temperature on the frequency spectrum of myelinated afferent A-delta fibers upon stimulation of skin mechanoreceptors] Gladysheva OS. Biull Eksp Biol Med 69:12-4, Jun 70 (Rus)
[A thermal thermoesthesiometer] Kurilova LM, et al. Biull Eksp Biol Med 69:123-4, Jun 70 (Rus)
[Cold reception by the skin in chronic tonsillitis patients] Kurilova LM, et al. Biull Eksp Biol Med 65:51-3, May 68 (Rus)
[The effect of coamide on the structure of the nerve elements in the skin and muscles of irradiated animals] Seffullin FKh. Biull Eksp Biol Med 68:113-6, Aug 69 (Rus)
[Circadian rhythm of cold receptor activity in man] Volodina AV, et al. Biull Eksp Biol Med 72:7-8, Jul 71 (Rus)
[Generation of the controlling signal in the body temperature regulation system] Ivanov KP, et al. Fiziol Zh SSSR 57:103-10, Jan 71 (Rus)
[Excitability of the skin analyzer in man] Makarov PO, et al. Fiziol Zh SSSR 56:1498-500, Oct 70 (Rus)
[Human reaction time to the beginning and end of a short sound of different strength and duration and during additional electric stimulation of the skin] Makarov PO. Fiziol Zh SSSR 56:1714-20, Dec 70 (Rus)
[Effect of sinusoidal vibration of different frequency and amplitude on the skin receptors] Mellia AS. Fiziol Zh SSSR 56:1750-7, Dec 70 (Rus)
[Steady potentials of the human brain during thermal actions on the trigeminal zone] Starobinets MKh, et al. Fiziol Zh SSSR 57:956-61, Jul 71 (Rus)
[Restoration of feeling in skin autotransplants transplanted to the hand and fingers] Matchin AA. Klin Khir 8:57-8, Aug 70 (Rus)
[Discriminatory ability of the skin of the fingers during the use of vibrotactile signals for information transmission to the blind] Filin VA, et al. Nov Med Priborostr 3:74-7, 1970 (Rus)
[Skin receptor stimulators in using the skin analyzer as a communication channel] Vladimirskiĭ MS. Nov Med Priborostr 3:140-6, 1969 (Rus)
[Effect of thermal stimulation of the skin on the function of the thermoregulating structures of the brain under normal conditions and during centrogenic fever] Kalinina NA. Patol Fiziol Eksp Ter 15:45-9, May-Jun 71 (Rus)
[Characteristics of thermal reception of the skin in eczema and neurodermatitis] Angelova VS, et al. Vestn Dermatol Venerol 44:37-40, Oct 70 (Rus)
[Functional neuro-vascular disorders in patients with nodular and hemorrhagic vasculitis of the skin] Bazyka AP, et al. Vestn Dermatol Venerol 44:12-7, Nov 70 (Rus)
[Proprioceptive regulation of the autonomic function of the skin] Datskovskiĭ BM. Vestn Dermatol Venerol 44:21-5, Oct 70 (Rus)
[Comparative characteristics of age changes in the cutaneous nerves of the hip] Golovchenko IuI, et al. Vrach Delo 3:113-5, Mar 71 (Rus)
[Skin sensitivity in children following poliomyelitis] Ufliand IuM, et al. Zh Nevropatol Psikhiatr 70:1484-7, 1970 (Rus)
[Interval of excitation and co-excitation during superstrong stimuli of human analyzers] Makarov PO. Zh Vyssh Nerv Deiat 19:301-4, Mar-Apr 69 (Rus)
[Differences in the dynamics of the neuronal responses of the rabbit somatosensory cortex to tactile stimulation of the paw and head] Trubachev VV. Zh Vyssh Nerv Deiat 20:1283-9, Nov-Dec 70 (Rus)
[Conditioned cardiac reflexes in fish to stimulation of the surface of the head with sugar solutions] Vasilevskaia NE, et al. Zh Vyssh Nerv Deiat 21:495-501, 1971 (Rus)
[Microneurographic analysis of the nerve fiber spectrum in nerve fascicles from human skin] Hallin RG, et al. Nord Med 85:635, 20 May 71 (Swe)
[Quantitative analysis of quickly adapting mechanoreceptors in human hands] Knibestöl M. Nord Med 85:636, 20 May 71 (Swe)
[Role of cholinergic structures of skin in its temperature reactions] Tachkova AM, et al. Fiziol Zh 16:542-4, Jul-Aug 70 (Ukr)

METABOLISM

Cellular changes in psoriatic and normal epidermis after treatment with ammonium mercuric chloride. Electron microscopy, tissue culture and neutron activation analyses. Frithz A. Acta Derm Venereol [Suppl] (Stockh) 51:Suppl 66:1-20, 1971
Metabolism of testosterone by human skin with reference to sex chromosome anomalies. Engelhardt D, et al. Acta Endocrinol [Suppl] (Kbh) 152:12, 1971
Inhibition of skin collagen biosynthesis in vitro by fluorinated corticosteroids. Uitto J, et al. Acta Endocrinol [Suppl] (Kbh) 155:146, 1971
Control of cutaneous collagenolysis. Houck JC, et al. Adv Enzyme Regul 8:269-78, 1970
Carbon dioxide elimination across human skin. Alkalay I, et al. Am J Physiol 220:1434-6, May 71
Uptake of oxytocin-3H by frog skin and bladder epithelial cells. Bockaert J, et al. Am J Physiol 219:1514-21, Nov 70
Growth hormone inhibition of proline hydroxylation in vitro. Henneman DH. Am J Physiol 220:1806-13, Jun 71
The metabolic and haemodynamic effects of skin disease. Shuster S. Ann Clin Res 3:135-42, Jun 71 (28 ref.)
Skin collagen in patients with scleroderma: biosynthesis and maturation in vitro, and the effect of D-penicillamine. Uitto J, et al. Ann Clin Res 2:228-34, Sep 70
Recovery of tritiated thymidine after intradermal injection. Arndt KA, et al. Arch Dermatol 103:304-5, Mar 71
A humoral inhibitor of sodium transport in uremic serum. A potential toxin? Bricker NS, et al. Arch Intern Med 126:860-4, Nov 70
Effect of chronic uremia on collagen metabolism in skin and bone. Hahn TJ, et al. Arch Intern Med 126:882-6, Nov 70
Lathyrism and mucopolysaccharide metabolism in aorta, skin, and cartilage. Bentley JP, et al. Atherosclerosis 12:159-72, Jul-Aug 70
Studies on the incorporation of (U-14C)glucose and (35S)sulphate into the acid glycosaminoglycans of neonatal rat skin. Hardingham TE, et al. Biochem J 119:885-93, Oct 70
In vitro metabolism of testosterone-4-14C and delta-4-androstene-3,17-dione-4-14C in human skin. Gomez EC, et al. Biochemistry 7:24-32, Jan 68
Intermolecular cross-linking of collagen in human and guinea pig scar tissue. Forrest L, et al. Biochim Biophys Acta 229:681-9, 23 Mar 71
Mammalian epidermal and hair root protein synthesis:

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

subcellular localization of the synthetic site. Froedberg IM.
Biochim Biophys Acta 224:219-31, 12 Nov 70
Esterification of cholesterol by epidermis. Freinkel RK, et al. Biochim Biophys Acta 239:98-102, 8 Jun 71
The synthesis of the branched-chain fatty acids of rat skin surface lipid. Grigor MR, et al.
Biochim Biophys Acta 218:389-99, 15 Dec 70
The branched chain fatty acids of rat faecal lipids: the contribution of undigested sebaceous lipid. Grigor MR, et al. Biochim Biophys Acta 231:264-9, 16 Mar 71
Degradation and turnover of collagen in the mouse skin and the effect of whole body x-irradiation. Ohuchi K, et al. Biochim Biophys Acta 206:475-81, Jun 70
Movement of CO2 and HCO3-across isolated frog skin. Smith TC, et al.
Biochim Biophys Acta 225:77-88, 5 Jan 71
Relative and absolute changes in skin collagen mass in the rat. Zika JM, et al.
Biochim Biophys Acta 229:509-15, 16 Feb 71
Diffusible factors from malignant cells which affect epidermal survival and differentiation. Daniel MR.
Br J Cancer 24:712-8, Dec 70
The cellular distribution of transferrin-bound iron in the skin. Beamish MR, et al.
Br J Dermatol 85:49-51, Jul 71
The in vitro metabolism of 7-alpha-3H dehydroepiandrosterone by human skin. Chakraborty J, et al. Br J Dermatol 83:477-82, Oct 70
The oxidative metabolism of histamine in guinea-pig skin with and without beta-blockade by propanolol. Cotton DW, et al. Br J Dermatol 84:124-9, Feb 71
The oxygen consumption of the germinal epithelium in normal and psoriatic skin. Hammar H, et al.
Br J Dermatol 83:371-5, Sep 70
A stimulant to DNA synthesis in guinea-pig ear epidermis. Heil E. Br J Dermatol 83:632-6, Dec 70
The effects of some compounds on the endogenous respiration of skin. Long VJ, et al.
Br J Dermatol 85:167-70, Aug 71
The application of an in vitro technique to the study of epidermal replication and metabolism. Marks R, et al.
Br J Dermatol 84:453-60, May 71
Zinc and the skin. Portnoy B, et al.
Br J Dermatol 83:412-4, Sep 70 (29 ref.)
The diurnal variation of water vapour loss from the skin in relation to temperature. Spruit D.
Br J Dermatol 84:66-70, Jan 71
Iron kinetics in the skin. Cavill I, et al.
Br J Haematol 20:145-53, Feb 71
Recovery of prostaglandin-like fatty acids from human allergic contact eczema using a skin perfusion method. Greaves MW, et al.
Br J Pharmacol 41:416P, Feb 71
Effects of the diuretics, triamterene and mersalyl on active sodium transport mechanisms in isolated frog skin. Salako LA, et al. Br J Pharmacol 41:552-7, Mar 71
Blood flow characteristics and tissue nutrition in apparently ischaemic feet. McEwan AJ, et al.
Br Med J 3:220-4, 24 Jul 71
A comparative study of the action of carcinogenic substances on the RNA synthesis in mouse skin. Alexandrov K, et al. Cancer Res 30:1192-6, Apr 70
Comparison of cytotoxicity of hydroxyurea in normal and rapidly proliferating epidermis and small intestine in mice. Hennings H, et al.
Cancer Res 31:277-82, Mar 71
Autoradiographic localization of tritiated 7,12-dimethylbenz(a)-anthracene in mast cells of hairless mouse skin. Tarnowski WM.
Cancer Res 30:1163-7, Apr 70
Diurnal fluctuation in DNA content and DNA synthesis in the dorsal epidermis of Rana pipiens. Morgan WW, et al. Comp Biochem Physiol 38:591-602, 1 Mar 71
The conversion of tyrosine to catecholamines and the biogenesis of N-acetyl-dopamine in isolated epidermis of the fiddler crab, Uca pugilator. Summers NM Jr.
Comp Biochem Physiol 26:259-69, Jul 68
Oxygen utilization by rat skin exposed to several cryoprotective solutions during liquid nitrogen storage. Kollarits CR, et al.
Cryobiology 7:94-9, Sep-Oct 70
Studies on MSH-induced melanogenesis: effect of long-term administration of MSH on the melanin content and tyrosinase activity. Lee TH, et al.
Endocrinology 88:155-64, Jan 71
Quantitative relation between hydrostatic pressure gradient, extracellular volume and active sodium transport in the epithelium of the frog skin (R. temporaria). Voute CL, et al.
Exp Cell Res 62:375-83, Oct 70
Effect of aflatoxin B-1 on the in vitro incorporation of 14C-acetate into human skin lipids. Black HS, et al.
Experientia 26:1293-3, 15 Dec 70
Inhibition of ultraviolet-induced hydroxyproline formation in human dermal collagen. Raab WP.
Experientia 26:1061-2, 15 Oct 70
Dopa in melanin producing cells. Falck B, et al.
G Ital Dermatol 44:493-8, Oct 69
Histidine urocanic acid and histidine alpha-deaminase in the stratum corneum in pellagrins. Vasantha L.
Indian J Med Res 58:1079-84, Aug 70
Lipids in leprosy. 2. Histochemistry of lipids in human leprosy. Sakurai I, et al.
Int J Lepr 38:389-403, Oct-Dec 70
Transformation of testosterone into 17 beta-hydroxy-5 alpha-androstan-3-one by microsomal preparations of human skin. Voigt W, et al.
J Biol Chem 245:5594-9, 10 Nov 70
Androgen metabolism in human skin. Flamigni C, et al.
J Clin Endocrinol Metab 32:737-43, Jun 71
Testosterone metabolism in target tissues. 2. Human fetal and adult reproductive tissues, perineal skin and skeletal muscle. Keich RP, et al.
J Clin Endocrinol Metab 32:449-56, Apr 71
Inhibition of transepithelial sodium transport in the frog skin by a low molecular weight fraction of uremic serum. Bourgoignie J, et al.
J Clin Invest 50:303-11, Feb 71
Half-life times of the glycosaminoglycan fractions in gingiva, skin, and cartilage of rats. Kofoed JA, et al.
J Dent Res 50:171, Jan-Feb 71
The metabolism of testosterone by skin in normal subjects and in testicular feminization. Jenkins JS, et al. J Endocrinol 49:515-20, Mar 71
Direct measurement of uptake of sodium at the outer surface of the frog skin. Biber TU, et al.
J Gen Physiol 56:83-99, Jul 70
Age changes in various biological measurements of C57BL-6J female mice. Leto S, et al.
J Gerontol 26:24-7, Jan 71
Synthesis of protein in the mammalian epidermis. Bernstein IA, et al.
J Invest Dermatol 55:291-302, Nov 70 (87 ref.)
Effects of light on skin lipid metabolism. Black HS, et al. J Invest Dermatol 56:387-91, May 71
Xeroderma pigmentosum: abnormal monochromatic action spectrum and autoradiographic studies. Cripps DJ, et al. J Invest Dermatol 56:281-6, Apr 71
Fractionation of glycosaminoglycans from psoriatic skin. Fleischmajer R, et al.
J Invest Dermatol 55:274-6, Oct 70
Inhibition of RNA and protein synthesis in granular cells by actinomycin-D and puromycin. Fukuyama K, et al. J Invest Dermatol 56:211-22, Mar 71
Topically applied triamcinolone and macromolecular synthesis by human epidermis. Marks R, et al.
J Invest Dermatol 56:470-3, Jun 71
Control of free fatty acids in human surface lipids by Corynebacterium acnes. Marples RR, et al.
J Invest Dermatol 56:127-31, Feb 71
Catecholamines in the hair cycle of rats. Moretti G, et al. J Invest Dermatol 55:339-43, Nov 70
Keratinocyte glycogen: an ultrastructural study of the epidermal response to galactosamine and glucose in organ culture. Nieland ML, et al.
J Invest Dermatol 56:113-36, Feb 71
Tritiated thymidine incorporation into hair follicle matrix and epidermal basal cells after stimulation. Potten CS. J Invest Dermatol 56:311-7, Apr 71
Studies on the effect of methotrexate on amino acid incorporation in the epidermis of the young rat. Robinson TW. J Invest Dermatol 55:141-6, Aug 70
Differential rates of conversion of testosterone to dihydrotestosterone in acne and in normal human skin--a possible pathogenic factor in acne. Sansone G, et al. J Invest Dermatol 56:366-72, May 71
Wound, adjacent skin and control skin radioactivity after injection of 1,2-3H-cortisol and 1,2-3H-testosterone. Smith QT.
J Invest Dermatol 56:419-24, Jun 71
Biochemical characterization of pseudoxanthoma elasticum: collagen biosynthesis in the skin. Uitto J, et al. J Invest Dermatol 57:44-8, Jul 71
Methotrexate inhibition of deoxyuridine incorporation in the skin of three day old rats. White JE.
J Invest Dermatol 56:294-7, Apr 71
Cutaneous lipogenesis: precursors utilized by guinea pig skin for lipid synthesis. Wheatley VR, et al.
J Lipid Res 12:347-60, May 71
Hydroxyurea: possible relationship of cytotoxicity to inhibition of skin carcinogenesis. Hennings H.
J Natl Cancer Inst 46:841-4, Apr 71
Impairment of cystine-35S incorporation into skin protein by zinc-deficient rats. Hsu JM, et al.
J Nutr 101:445-52, Apr 71
Sodium transport across the isolated epithelium of the frog skin. Aceves J, et al.
J Physiol (Lond) 212:195-210, Jan 71
The effect of antidiuretic hormone on Na movement across frog skin. Cereijido M, et al.
J Physiol (Lond) 213:119-33, Feb 71
Water uptake by the crab-eating frog Rana cancrivora, as affected by osmotic gradients and by neurohypophysial hormones. Dicker SE, et al.
J Physiol (Lond) 207:119-32, Mar 70
Inhibition of active sodium transport in isolated frog skin by the diuretic, amiloride: site of action. Salako LA, et al. J Physiol (Lond) 208:37P-38P, Feb 70
Energy metabolism in healing skin wounds. Im MJ, et al.
J Surg Res 10:459-64, Oct 70
Effect of vitamin B12 on the formation of collagen and nucleic acids in the albino rat skins and granulomas. Rao VH, et al. J Vitaminol (Kyoto) 16:253-8, 10 Dec 70
Sebum-excretion rate and skin-surface lipid composition in Parkinson's disease before and during therapy with levodopa. Cotterill JA, et al.
Lancet 1:1271-2, 19 Jun 71
Fibrinolytic activity of skin suface lipids. Dawber RP, et al. Lancet 1:193, 23 Jan 71
Dimethylbenzanthracene binding to epidermal chalone. Bishai IS, et al.
Nature (Lond) 232:114-6, 9 Jul 71
Variation of DNA synthesis with age in chick embryo skin. Rothberg S, et al.
Nature (Lond) 229:341-2, 29 Jan 71
Phorbol ester stimulates choline incorporation. Kreibich G, et al. Naturwissenschaften 58:322, Jun 71
Effects of staphylococcal alpha toxin on ion and water transports in isolated frog skin and bladder. Kadlec O, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:262-73, 1971
Effects of ultraviolet radiation on the mitotic cycle and DNA, RNA and protein synthesis in mammalian epidermis in vivo. Epstein JH, et al.
Photochem Photobiol 12:57-65, Jul 70
Water and electrolyte content of normal skin, scars, and keloid. Psillakis JM, et al.
Plast Reconstr Surg 47:272-4, Mar 71
Androgen metabolism in human skin. Sommerville IF, et al. Proc R Soc Med 64:845-7, Aug 71
Lipid synthesis from acetate-1-14C by suction blister epidermis and other skin components. Hsia SL, et al.
Proc Soc Exp Biol Med 135:285-91, Nov 70
In vivo ionic uptake through the skin of the South American toad Bufo arunco. Salibián A, et al.
Rev Can Biol 30:115-24, Jun 71
Collagen metabolism of skin and periodontal membrane in the squirrel monkey. Skougaard MR, et al. Scand J Dent Res 78:374-7, 1970
Collagen metabolism in skin and periodontal membrane of the marmoset. Skougaard MR, et al.
Scand J Dent Res 78:256-62, 1970
Evaporative water loss from burns, grafts and donor sites. Lamke LO, et al.
Scand J Plast Reconstr Surg 5:17-22, 1971
Ion selection by burn eschar. Jelenko C 3d, et al.
South Med J 63:1393-9, Dec 70
Effect of estradiol on hyaluronic acid in the skin of aging mice. Sobel H, et al. Steroids 16:1-3, Jul 70
Water vapour loss and skin barrier. An evaluation and some new findings. Spruit D, et al.
Trans St Johns Hosp Dermatol Soc 57:167-76, 1971
Epidermal mitotic rate and DNA synthesis after injection of water extracts made from mouse skin treated with Actinomycin D: two or more growth-regulating substances? Elgjo K, et al.
Virchows Arch [Zellpathol] 7:342-7, 1971
Comparison of alpha and beta keratin in reptiles. Alexander NJ.
Z Zellforsch Mikrosk Anat 110:153-65, 1970
[Histological and histochemical changes of the skin in patients with ankylosing spondyiarthritis] Dzierzyński M, et al.
Fysiatr Reumatol Vestn 49:152-5, Aug 71 (Cze)
[Autoradiographic study of post-traumatic epidermal regeneration by uptake of tritiated thymidine in vivo and in vitro] Beuve-Méry M, et al.
Ann Dermatol Syphiligr (Paris) 97:517-21, 1970 (Fre)
[Validity of the in vitro method as a technic of instantaneous labeling of skin by tritiated thymidine] Lachapelle JM.
Ann Dermatol Syphiligr (Paris) 97:522-4, 1970 (Fre)
[Effects of fasting on skin and bone collagen metabolism of rats] Laplere CM, et al.
Arch Belg Dermatol Syphiligr 26:383-9, Jul-Sep 70 (Fre)
[Radioautographic study of the incorporation in vitro of tritiated thymidine into normal human skin and in certain epidermal proliferations] Lachapelle JM.
Pathol Eur Suppl 1:1-197, 1970 (Fre)
[Collagen metabolism of the skin and its hormonal influence] Struck H.
Acta Endocrinol [Suppl] (Kbh) 152:18, 1971 (Ger)
[Action mechanism of vitamin A acid (tretinoin)] Lukács I, et al.
Arch Dermatol Forsch 240:375-82, 1971 (Ger)
[Behavior of skin proteins under high dosage of corticosteroids. Experiments in rats] Rodermund OE.
Arch Dermatol Forsch 241:156-65, 1971 (Ger)
[Difference between the collagenase-induced catabolic rate of tail and dorsal skin collagen of mice in relation to cancer induction] Peringer E, et al.
Arch Geschwulstforsch 35:259-60, 1970 (Ger)
[RNA-synthesis of the skin. DNA-dependent RNA-polymerase activity in guinea pig epidermis] Lukács I, et al.
Arch Klin Exp Dermatol 238:187-96, 1970 (Ger)
[About an atypical catabolism of purines during the epidermal keratinization] Schwarz E.
Arch Klin Exp Dermatol 238:146-53, 1970 (Ger)
[Methodical study on the penetration into stratum corneum of oils and fats used in the manufacture of protective skin ointments and cosmetics] Jacobi O.
Berufsdermatosen 19:207-15, Aug 71 (Ger)
[Carbohydrate metabolism in psoriasis vulgaris] Holzmann H, et al.
Dtsch Med Wochenschr 95:2386-92, 20 Nov 70 (Ger)
[Penetration of phenylhydrargyri boras from a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hydrogel into the keratinous layer of human skin] Wiskemann A. Mykosen 14:179-83, 1 Apr 71 (Ger)
[Xeroderma pigmentosum and pigmented xerodermoid. Clinical and molecular biological studies] Jung EG, et al. Schweiz Med Wochenschr 100:1718-26, 10 Oct 70 (Ger)
[Effect of 5-fluorouracil on protein metabolism of tumors and normal tissues in culture] Korfsmeier KH. Z Krebsforsch 74:20-7, 1970 (Ger)
[Influence of gold on the collagen metabolism of skin and bones of the rat] Burkhardt H, et al. Z Rheumaforsch 30:98-104, Mar-Apr 71 (Ger)
[Transport of glycerol and propylene glycol through isolated frog skin] Storelli C, et al. Boll Soc Ital Biol Sper 47:1-3, 15 Jan 71 (Ita)
[Catecholamines in the skin cycle of the rat] Moretti G. G Ital Dermatol 46:146, Mar 71 (Ita)
[Presence and behavior of dermal sialoproteins in physiological and experimental conditions] Rabbiosi G, et al. G Ital Dermatol 44:387-96, Aug 69 (Ita)
[Cutaneous clearance of iron in healthy and anemic children] Mollica F, et al. Pediatria (Napoli) 78:854-67, 1970 (Ita)
[Histochemical study on skin culture in type II glycogenosis] Tenconi R, et al. Riv Anat Patol Oncol 33:520-3, 1968 (Ita)
[Steroid metabolism in the skin] Shida K, et al. Clin Endocrinol (Tokyo) 19:134-8, Feb 71 (Jap)
[Influence of various drugs on the tissue permeability. 5. Comparison of the potency of various anti-inflammatory agents by the dermal tissue permeability test using filter paper implanted subcutaneously in the ventral region of rats] Ito M. Folia Pharmacol Jap 66:618-26, 1970 (Jap)
[Investigation on urinary hydroxyproline--influence of skin collagen on urinary hydroxyproline and its adjustment by hydroxyproline--creatinine ratio] Yamada Y. J Jap Orthop Assoc 44:601-12, Aug 70 (Jap)
[Effect of peat and certain farctions of peat on the respiratory processes in isolated skin] Nowacka A, et al. Pol Tyg Lek 25:1494-7, 5 Oct 70 (Pol)
[Effect of water flow in relation to osmotic gradient on water and sodium transport through the bladder wall and skin of frogs] Natochin IuV, et al. Biofizika 15:1029-35, Nov-Dec 70 (Rus)
[Effect of enriching the organism of white rats with alpha-tocopherol on vitamin K-deficiency changes in the ATP, ADP and inorganic phosphorus content of skin and skeletal muscles] Matusis LI. Biull Eksp Biol Med 71:74-6, May 71 (Rus)
[Effect of growth-inhibiting nutrition on the connective tissue of the skin of white rats of different ages] Moroz IuA. Biull Eksp Biol Med 67:43-5, 1969 (Rus)
[Distribution of plutonium 239 in intact skin following its surface contamination] Ershov EB, et al. Med Radiol (Mosk) 15:44-6, Dec 70 (Rus)
[Histochemical changes in the skin during ichthyosis] Kuklin VT. Vestn Dermatol Venerol 45:11-6, Jan 71 (Rus)
[Histochemical changes in the skin at various stages of psoriasis] Pototskif II, et al. Vestn Dermatol Venerol 45:3-7, Jan 71 (Rus)

MICROBIOLOGY

Operating-room outfit and the spread of bacteria. Bergman SE, et al. Acta Chir Scand 136:35-8, 1970
Centralized versus decentralized local treatment of dermatoses in regard to bacterial colonization. Nyström B, et al. Acta Derm Venereol (Stockh) 50:469-74, 1970
Number of plaque forming units of Middelburg virus injected by Aedes aegypti during feeding. Pattyn SR, et al. Acta Virol (Praha) 14:510-2, Nov 70
The yeast flora of birds and mammals in captivity. Midgley G, et al. Antonie van Leeuwenhoek 35:Suppl:E23-4, Jun 69
The production of "bacteria-free" mice. Relationship between fecal flora and bacterial population of the skin. Waaij D van der, et al. Antonie van Leeuwenhoek 37:139-51, 1971
Lactic acid utilization by the cutaneous Micrococcaceae. Smith RF. Appl Microbiol 21:777-9, Apr 71
Ecological effects of oral antibiotics on the microflora of human skin. Marples RR, et al. Arch Dermatol 103:148-53, Feb 71
Microbial flora of infant's skin. Comparison of types of microorganisms between normal skin and diaper dermatitis. Montes LF, et al. Arch Dermatol 103:400-6, Apr 71
Factors influencing the establishment of the neonatal bacterial flora. II. The role of environmental factors. Evans HE, et al. Arch Environ Health 21:643-8, Nov 70
Culture of an Osler's node. A diagnostic tool. Puklin JE, et al. Arch Intern Med 127:296-7, Feb 71
The esterase and lipase activity of aerobic skin bacteria. Holt RJ. Br J Dermatol 85:18-23, Jul 71
Disinfection of the skin: an assessment of some new preparations. Lilly HA, et al. Br Med J 3:674-6, 18 Sep 71
The characterization of fluorescent skin diphtheroids. McBride ME, et al. Can J Microbiol 16:941-6, Oct 70
A comparative study of mouse foot pad inoculation of skin biopsy specimens from patients with lepromatous leprosy in San Francisco and Atlanta. Levy L, et al. Int J Lepr 38:54-9, Jan-Mar 70
A comparison of methods for assessing the value of antibacterial soaps. Wilson PE. J Appl Bacteriol 33:574-81, Sep 70
Fatty acid requirements of human cutaneous lipophilic corynebacteria. Smith RF. J Gen Microbiol 60:259-63, Feb 70
Summary of the results of a search of the skin surface for Mycobacterium leprae. Pedley JC. Lepr Rev 41:167-8, Jul 70
Efficacy of dermal antisepsis.. Evans ZA, et al. N Engl J Med 284:675-6, 25 Mar 71
Pathogenesis of the rubella exanthem. Isolation of rubella virus from the skin. Heggie AD. N Engl J Med 285:864-6, 16 Sep 71
Relationship of the birth canal to the bacterial flora of the neonatal respiratory tract and skin. Evans HE, et al. Obstet Gynecol 37:94-7, Jan 71
Quantifying bacteria on poultry carcass skin. Avens JS, et al. Poult Sci 49:1309-15, Sep 70
A note on the gram negative bacilli of human skin. Somerville DA, et al. Rev Eur Etud Clin Biol 15:669-71, Jun-Jul 70
[Variations in dermal microflora under occlusive dressings] Müllerová M. Cesk Dermatol 45:281-3, Dec 70 (Cze)
[New data on the routes of alimination of rabies virus in infected animals] Atanasiu P, et al. C R Acad Sci [D] (Paris) 271:2454-6, 21 Dec 70 (Fre)
[The bacterial cycle of the burn. Infection and superinfection] Vilain R. Cah Anesthesiol 18:869-76, Nov 70 (Fre)
[Bacteriostasis and bacteriocycle: apropos of normal infection and superinfection of burn patients] Vilain R, et al. Chirurgie 96:849-55, 28 Oct 70 (Fre)
[The immunological importance of microbial organisms on the skin surfaces] Raab W. Allerg Asthma (Leipz) 15:222-8, 1969 (Ger)
[Influence of sweat on the acid coat and microflora of the skin] Fiedler HP. Cosmetologica 19:289-96, 20 Aug 70 (Ger)
[Modification of microbial ecology of skin upper layers] Gundermann KO. Cosmetologica 19:281-8, 20 Aug 70 (Ger)
[Significance of the microbial population of the skin] Proppe A. Cosmetologica 19:403-4, 20 Dec 70 (Ger)
[Biochemical-pharmacological observations on the external administration of glucocorticoids alone or together with antimicrobial substances] Raab W. Hautarzt 22:233-8, Jun 71 (138 ref.) (Ger)
[Methods for collecting pathological material from the skin of animals for mycological examination] Klobusický M, et al. Mykosen 13:131-8, 1 Mar 70 (Ger)
[The occurrence of Chrysosporium keratinophilum (Frey) Carmichael and a thermophylic variant in soil and in animals] Schönborn C. Mykosen 11:847-64, 1 Dec 68 (Ger)
[Comparative studies on the occurrence of blastomyces on healthy and diseased skin. 1. The occurrence of blastomyces on healthy and diseased skin] Sebacher C, et al. Mykosen 14:371-83, 1 Aug 71 (Ger)
[Clinical experience with Rinderon VG ointment and the effect of gentamicin on skin surface bacterial count] Sasagawa S. Acta Dermatol (Kyoto) 65:39-44, Feb 70 (Jap)
[Pathogenic potential of bacteria] Duca E, et al. Rev Med Chir Soc Med Nat Iasi 74:767-77, Jul-Sep 70 (Rum)
[The effect of radiotherapy on the microflora of the skin and intestine of patients with cancer of the rectum] Kochetkova VA, et al. Med Radiol (Mosk) 16:15-20, Mar 71 (Rus)

PATHOLOGY

Paget's disease of the vulva--a cytogenetic study of skin fibroblasts, tumor cells, andpperipheral blood leukocytes in culture. Mullick S, et al. Acta Cytol (Baltimore) 14:404-10, Jul-Aug 70
Cellular changes in the psoriatic epidermis. 8. Observations on the submicroscopic cytoplasmic differentiation of epidermal cells of primary tissue cultures from psoriatic lesions treated in vivo with ammoniated mercury. Frithz A. Acta Derm Venereol (Stockh) 50:419-30, 1970
Mite burrows in crusts from young infants. Madsen A. Acta Derm Venereol (Stockh) 50:391-2, 1970
Scanning electron microscopy of psoriatic human epidermis. Mishima Y. Acta Derm Venereol (Stockh) 51:16-20, 1971
Skin involvement in secondary amyloidosis. Westermark P. Acta Pathol Microbiol Scand [A] 79:79-80, 1971
North American blastomycosis: a study of ten cases. Vanèk J, et al. Am J Clin Pathol 54:384-400, Sep 70
True childhood pemphigus. Pemphigus foliaceus in an 18-month-old child: immunofluorescence as a diagnostic aid. Kahn G, et al. Am J Dis Child 121:253-6, Mar 71
The ultrastructure of skin in progressive systemic sclerosis (scleroderma). I. Dermal collagen fibers. Hayes RL, et al. Am J Pathol 63:433-42, Jun 71
Graft-versus-host disease. Morphologic variation and differential diagnosis in 8 cases of HL-A matched bone marrow transplantation. Krüger GR, et al. Am J Pathol 63:179-202, May 71
An analysis of the effects of skin reactive factor released from lymphoid cells by concanavalin A in vivo. Schwartz HJ, et al. Am J Pathol 63:443-62, Jun 71
Scanning electron microscopic study of the collagen bundles of the skin in the Ehlers-Danlos syndrome. Julkunen H, et al. Ann Med Exp Biol Fenn 48:201-4, 1970
Multinucleate epidermal cells in measles. Ackerman AB, et al. Arch Dermatol 103:180-1 passim, Feb 71
The cutaneous amyloidoses. II. Systemic forms. Brownstein MH, et al. Arch Dermatol 102:20-8, Jul 70
Mercury pigmentation. An electron microscopic study. Burge KM, et al. Arch Dermatol 102:51-61, Jul 70
Orientation of small biopsies. Goldman L, et al. Arch Dermatol 103:407-8, Apr 71
Ultrastructure of abnormal cells in Sezary syndrome, mycosis fungoides, and parapsoriasis en plaque. Lutzner MA, et al. Arch Dermatol 103:375-86, Apr 71
Evolution of an abnormal light test reaction. Stern WK. Arch Dermatol 103:154-7, Feb 71
[Ultrastructual changes of the epidermis in allergic patch test reaction. Braun-Falco O, et al. Arch Dermatol Forsch 40:23-37, 1970
Scheie syndrome and macular corneal dystrophy. An ultrastructural comparison of conjunctiva and skin. Quigley HA, et al. Arch Ophthalmol 85:553-64, May 71
Arachnidism in rabbits. Necrotic lesions due to the brown reclusе spider. Butz WC, et al. Arch Pathol 91:97-100, Feb 71
Langerhans' cells in late pinta. Ultrastructural observations in one case. Rodriguez HA, et al. Arch Pathol 91:302-6, Apr 71
Langerhans cell granules in human hyperplastic lymph nodes. Shamoto M, et al. Arch Pathol 92:46-52, Jul 71
Hemangioma, thrombocytopenia, and anemia. The Kasabach-Merritt syndrome in an animal model. Warner ED, et al. Arch Pathol 91:523-8, Jun 71
Skin collagen content and thickness in systemic sclerosis. Black MM, et al. Br J Dermatol 83:552-5, Nov 70
Scanning electron microscopy of the basal surface of the separated suction blister top. Boyde A, et al. Br J Dermatol 84:346-52, Apr 71
Histological and ultrastructural changes in experimental hyperplasia in the guinea-pig. Cowan MA, et al. Br J Dermatol 84:353-60, Apr 71
Scanning electron microscopy of dermal fibrous tissue networks in normal skin, solar elastosis and pseudo-xanthoma elasticum. Dawber R, et al. Br J Dermatol 84:130-4, Feb 71
Ultrastructure of human epidermis following chronic sun exposure. Everett MA, et al. Br J Dermatol 84:248-57, Mar 71
Skin ultrastructure in Letterer-Siwe disease treated with vinblastine. Mode of penetration of Langerhans granules into the nucleus. Gianotti F, et al. Br J Dermatol 84:235-45, Apr 71
Skin surface biopsy: an improved technique for the examination of the horny layer. Marks R, et al. Br J Dermatol 84:117-23, Feb 71
Ultrastructural morphology and histochemistry (acid phosphatase) of the cutaneous infiltration by polyvinylpyrrolidone. Thivolet J, et al. Br J Dermatol 83:861-9, Dec 70
The mycosis fungoides cell: the skin window in mycosis fungoides. Vesper LJ, et al. Br J Dermatol 84:54-65, Jan 71
Skin biopsy in cases of secondary syphilis. Smith EB, et al. Br J Vener Dis 46:426, Oct 70
Langerhans cell granulein Letterer-Siwe disease. An electron microscopic study. Shamoto M. Cancer 26:1102-8, Nov 70
Histologic response of skin to repeated trauma. Johnson WC, et al. Dermatologica 142:7-13, 1971
Trypanosoma gambiense and T. lewisi: increased vascular permeability and skin lesions in rabbits. Seed JR. Exp Parasitol 28:214-23, Oct 69
Ultrastructure of human skin fibroblasts in gargoylism. D'Elia R, et al. Helv Paediatr Acta 25:492-5, Nov 70
A study of epidermal melanocytes in the hypopigmented patches of leprosy. Nayar A, et al. Indian J Med Res 58:187-93, Feb 70
Spontaneous and adenovirus type 12-induced chromosome aberrations in Fanconi's anaemia fibroblasts. McDougall JK. Int J Cancer 7:526-34, 15 May 71
Absence of pemphigus-type autoantibodies despite the presence of pemphigus-like histopathology: report of two cases. Feinstein RP, et al. Int J Dermatol 10:115-7, Apr-Jun 71
Pseudoxanthoma elasticum with a sarcoidal granulomatous reaction: a case report. Sheehan JP, et al. Int J Dermatol 9:267-72, Oct-Dec 70
Pathobiologic significance of the subcellular organelles of lepra cells. Aquino TI, et al. Int J Lepr 38:134-48, Apr-Jun 70
Histologic characteristics of granuloma multiforme (Mkar disease). Including a comparison with leprosy

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and granuloma annulare. Report of first case from Congo (Kinshasa). Meyers WM, et al.
Int J Lepr 38:241-9, Jul-Sep 70
Mucolipidosis II (I-cell disease): ultrastructural observations of conjunctiva and skin. Kenyon KR, et al. Invest Ophthalmol 10:555-67, Aug 71
Histopathological and ultrastructural observations on tissues from patients with hereditary angioneurotic edema. Sheffer AL, et al. J Allergy 47:292-7, May 71
Differentiating neoplasms of hair germ. Headington JT.
J Clin Pathol 23:464-71, Sep 70
Differential diagnosis of virus infections of the bovine teat skin by electron microscopy. Gibbs EP, et al.
J Comp Pathol 80:455-63, Jul 70
Cellular and vascular components of the allograft reaction. Evidence from returned skin allografts. Lambert PB, et al. J Exp Med 132:868-84, Nov 70
An analysis of graft-versus-host disease in Syrian hamsters. I. The epidermolytic syndrome: description and studies on its procurement. Streilein JW, et al.
J Exp Med 132:163-80, 1 Jul 70
Histochemical changes as evidence of the antemortem origin of skin burns. Malik MO.
J Forensic Sci 15:489-99, Oct 70
Experimental zoster-like herpes simplex in hairless mice. Constantine VS, et al.
J Invest Dermatol 56:193-9, Mar 71
A comparative light and electron microscopic study of primary irritant contact dermatitis and allergic contact dermatitis. Medenica M, et al.
J Invest Dermatol 56:259-71, Apr 71
Studies by electron microscopy of epidermis after topical application of mercuric chloride. Morphologic and histochemical findings in epidermal cells of human subjects who do not show allergic sensitivity or primary irritant reactions to mercuric chloride (0.1 per cent). Silberberg I.
J Invest Dermatol 56:147-60, Feb 71
Langerhans cells in epidermoid metaplasia. Wong YC, et al. J Invest Dermatol 56:10-7, Jan 71
The effects of essential fatty acid deficiency on the fine structure of mouse skin. Menton DN.
J Morphol 132:181-205, Oct 70
Fine structure of the skin in angiokeratoma corporis diffusum (Fabry's disease). Mullem PJ van, et al.
J Pathol 101:221-6, Jul 70
Role of measles virus in skin lesions and Koplik's spots. Suringa DW, et al. N Engl J Med 283:1139-42, 19 Nov 70
The burn eschar. A histopathological study. Vistnes LM, et al. Plast Reconstr Surg 48:56-60, Jul 71
Mucous membrane pemphigoid. Sanderson KV.
Proc R Soc Med 64:862-3, Aug 71
Scleroderma and the subcutaneous tissue. Fleischmajer R, et al. Science 171:1019-21, 12 Mar 71
Papillomas (warts) in hairless mice. Mus musculus and Peromyscus maniculatus gambeli. Packchanian A, et al. Tex Rep Biol Med 28:565-80, Winter 70
Ultrastructural and light microscopic changes of the epidermo-dermal junction. Sarkany I, et al.
Trans St Johns Hosp Dermatol Soc 57:139-42, 1971
Pathology of the skin. Head KW.
Vet Rec 87:460-70, 17 Oct 70
[Histological and histochemical changes of the skin in patients with ankylosing spondylarthritis] Dzierzyński M, et al.
Fysiatr Reumatol Vestn 49:152-5, Aug 71 (Cze)
[The histopathology of the lymphocytes in the skin. Lymphocytes in dermatological disorders] Mali JW.
Arch Belg Dermatol Syphiligr 24:251-8, 1968 (Dut)
[Ochronosis: anatomoclinical and ultrastructural aspects] Pages A, et al.
Ann Anat Pathol (Paris) 16:27-45, Jan-Mar 71 (Fre)
[Epidermodysplasia verruciformis: ultrastructural and autoradiographic study] Grupper C, et al.
Ann Dermatol Syphiligr (Paris) 98:33-47, 1971 (Fre)
[Modifications of cutaneous elastic fibers in cyring cat disease (apropos of a further case)] Vissian L, et al.
Ann Dermatol Syphiligr (Paris) 98:53-6, 1971 (Fre)
[Cutaneous biopsy and study of urinary amino acids in crystalline lens ectopia] Bessière E, et al.
Bull Mem Soc Fr Ophtalmol 81:327-34, 1968 (Fre)
[Peculiar appearance of blast cells in the skin manifestations of Bourneville's tuberous sclerosis] Duperrat B, et al.
Bull Soc Fr Dermatol Syphiligr 76:668-70, 1969 (Fre)
[Histopathology of the skin of chronic alcoholics] Grosshans E, et al.
Bull Soc Fr Dermatol Syphiligr 78:77-9, 1971 (Fre)
[François' dyscephalic syndrome. Histologic findings] Piérard J, et al.
Bull Soc Fr Dermatol Syphiligr 77:725-30, 1970 (Fre)
[Ultrastructural study of skin lesions in a case of gargoylism] Vissian L, et al.
Bull Soc Fr Dermatol Syphiligr 77:518-20, 1970 (Fre)
[Alterations in cutaneous melanin pigments encountered in the African during the course of various dermatoses] Sarrat H, et al.
Int J Dermatol 10:44-60, Jan-Mar 61 (Fre)
[Experimental lathyrism. Simultaneous changes in skin and aortic connective tissue] Julian M, et al.
Pathol Biol (Paris) 19:389-99, Apr 71 (Fre)
[Angiodysplasia in Von Recklinghausen's disease] Pexsters J, et al.
Phlebologie 24:143-50, Apr-Jun 71 (Fre)
[Ultrastructural study of the skin in 42 cases of lupus erythematosus] Prunieras M, et al.
Presse Med 78:2475-9, 26 Dec 70 (Fre)
[Parietal lesions of the lymphatic capillaries of the dermis in diabetic patients] Romani JD.
Presse Med 79:228-9, 30 Jan 71 (Fre)
[The pathological anatomy of ochronosis (study of a case and general review)] Pageaut G, et al.
Rev Rhum Mal Osteoartic 38:277-87, Apr 71 (Fre)
[The "Stade éphélide" of precancerous melanosis. A comparative clinical, histopathological, and electron microscopical study] Anton-Lamprecht I, et al.
Arch Dermatol Forsch 40:61-78, 1970 (Ger)
[The "Stade éphélide" of precancerous melanosis. A comparative clinical, histopathological, and electron microscopical study] Anton-Lamprecht I, et al.
Arch Dermatol Forsch 240:61-78, 1970 (Ger)
[Ultrastructural changes of the epidermis in allergic patch test reaction] Braun-Falco O, et al.
Arch Dermatol Forsch 240:23-37, 1970 (Ger)
[Experimental studies on the size changes of free, autologous full thickness skin grafts in man] Friederich HC, et al.
Arch Dermatol Forsch 241:56-64, 1971 (Ger)
[Effects of peroral estrogen therapy using estradiol valerianate on the skin of castrated females] Rauramo L, et al. Arch Gynaekol 211:202-4, 4 Jun 71 (Ger)
[Histopathological and histochemical studies in vitiligo following thalassotherapy] Dimitrova I, et al.
Dermatol Monatsschr 156:1021-8, Dec 70 (Ger)
[On the ultrastructure of the skin in erythropoietic protoporphyria] Anton-Lamprecht I, et al.
Dermatologica 141:76-83, 1970 (Ger)
[Mitosis blockade in the epidermis caused by vincristine sulfate] Tritsch H, et al.
Klin Wochenschr 48:950-1, 1 Aug 70 (Ger)
[Skin ridges and skin furrows in dysmelia] Hirth L, et al. Med Klin 65:557-64, 20 Mar 70 (Ger)
[Testing of antimycoticly active substances on the model of experimental cockscomb dermatophytosis. 3. Comparative histological studies of mycosis foci of the cockscomb and of the back skin of the guinea pig] Sulzmann R, et al. Mykosen 14:15-8, 1 Jan 71 (Ger)
[Histopathology and ultrastructure of the skin in erythropoietic protoporphyria] Anton-Lamprecht I, et al.
Virchows Arch [Pathol Anat] 352:75-89, 1971 (Ger)
[Pathological relations of superficial allergic vasculitides II] Szabó E, et al.
Z Haut Geschlechtskr 45:709-15, 15 Oct 70 (Ger)
[Ultrastructural notes on solar keratosis. I. Basal layer of epidermis] Pelfini C, et al.
Boll Soc Ital Biol Sper 46:194-6, 28 Feb 70 (Ita)
[Optic and electronic morphology of tissue cultures in the genetic analysis of pancreatic cystic fibrosis] Tenconi R, et al.
Fracastoro 63:347-50, May-Aug 70 (Ita)
[Ultrastructural aspects of the cell elements of infiltrates from allergic eczematous reactions. (Preliminary note)] Meneghini CL, et al.
G Ital Dermatol 44:480-5, Sep 69 (Ita)
[Behavior of the pyroninophilic cells of phlogosis in some delayed hyperergic types of dermatitis] Scarpa C, et al. G Ital Dermatol 44:487-8, Sep 69 (Ita)
[Digital biopsy and diagnosis of latent diabetes] Merlen JF, et al. Minerva Med 62:410-5, 31 Jan 71 (Ita)
[Fetal ichthyosis. II. Histopathologic and structural study of the skin of 2 cases of lamellar desquamation in newborns (collodion skin)] Baldi F.
Riv Anat Patol Oncol 33:563-83, 1968 (Ita)
[Case of eosinophilic lymphatic nodule proliferation in the skin with special reference to electron microscopic study of the lesion of the skin and bone marrow eosinophils] Morita Y.
Acta Dermatol (Kyoto) 65:263-8, Nov 70 (Jap)
[Cytological analysis of ocular and cutaneous lesions in Vogt-Koyanagi-Harada syndrome] Ikui H, et al.
Acta Soc Ophthalmol Jap 74:1100-6, Sep 70 (Jap)
[Langerhans cell of human corneal limbus in Vogt-Koyanagi-Harada syndrome, sympathetic ophthalamia, and oculo-cutaneous albinism] Sugiura S, et al.
Acta Soc Ophthalmol Jap 75:178-80, 20 Jan 71 (Jap)
[Histopathogenesis of Behcet's syndrome] Nishiyama S. Saishin Igaku 26:445-50, Mar 71 (Jap)
[Skin biopsy as a diagnostic aid] Larsen TE.
Tidsskr Nor Laegeforen 91:266-9, 10 Feb 71 (Nor)
[Skin lesions in the course of sarcoidosis] Niewiadomska S, et al.
Przegl Dermatol 57:649-52, Sep-Oct 70 (Pol)
[State of fibrous structures in chronic radiation ulcers of the skin] Kostiukovskiĭ IM, et al.
Med Radiol (Mosk) 15:43-9, Jul 70 (Rus)
[Effect of pyrogenal therapy on the morphologic structure of keloid scars] Pavlova MN, et al.
Ortop Travmatol Protez 31:18-23, Aug 70 (Rus)
[Clinico-histologic parallels in allergic nodular dermo-hypodermitis] Bazyka AP, et al.
Vestn Dermatol Venerol 44:8-15, Oct 70 (Rus)
[The so-called latent psoriasis] Chistiakova IA.
Vestn Dermatol Venerol 43:19-25, Aug 69 (Rus)
[Histomorphology of disseminated neurodermatitis] Gol'dshtein LM, et al.
Vestn Dermatol Venerol 45:22-6, Jan 71 (Rus)
[Histopathological study of diseased and apparently healthy skin in various stages of psoriasis] Pototskiĭ II, et al. Vestn Dermatol Venerol 44:5-11, Jul 70 (Rus)
[Dynamics of histochemical changes in the skin in various stages of eczema] Tsvetkova GM, et al.
Vestn Dermatol Venerol 44:13-7, Mar 70 (Rus)
[Spitz' atypical nevus (juvenile melanoma). Clinico-pathological study of 9 cases] Huarte PS.
Actas Dermosifiliogr 61:205-24, Jul-Aug 70 (Spa)
[Ultrastructure of dermatomyositis] Jiménez JM, et al.
Alergia 18:175-83, May 71 (Spa)
[Skin biopsy in diagnosis of secondary generalized amyloidosis] Westermark P.
Nord Med 85:482, 15 Apr 71 (Swe)
[Experimental model for controlled burns with measurement of subcutaneous temperature] Gitis EI, et al. Fiziol Zh 14:114-6, Jan-Feb 68 (Ukr)

PHYSIOLOGY

Regeneration of human epidermal surface and water barrier function after stripping. A combined study with electron microscopy and measurement of evaporative loss. Eriksson G, et al.
Acta Derm Venereol (Stockh) 51:169-78, 1971
Water evaporation from normal skin under different environmental conditions. Lamke LO, et al.
Acta Derm Venereol (Stockh) 51:111-9, 1971
The insensible water loss of the newborn infant. Zweymüller E, et al.
Acta Paediatr Scand [Suppl] 205:Suppl 205:1+, 1970
The relative contributions of sodium and chloride ions to the conductance of toad skin in relation to shedding of the stratum corneum. Larsen EH.
Acta Physiol Scand 81:254-63, Feb 71
Sodium transport and D.C. resistance in the isolated toad skin in relation to shedding of the stratum corneum. Larsen EH.
Acta Physiol Scand 79:453-61, Aug 70
The low-frequency electrical impedance of the isolated frog skin. Smith PG.
Acta Physiol Scand 81:355-66, Mar 71
Novobiocin stimulation of frog skin current and some metabolic consequences. Johnston KH, et al.
Am J Physiol 220:792-8, Mar 71
Respiratory and cutaneous evaporation in the zebra finch: effect on water balance. Lee P, et al.
Am J Physiol 220:1598-605, Jun 71
The action of divalent cations on the electrical resistance of frog skin. Borghgraef R, et al.
Arch Int Physiol Biochim 79:171-3, Jan 71
The effects of high hydrostatic pressure on the permeability characteristics of the isolated frog skin. Brouha A, et al.
Biochim Biophys Acta 219:455-62, 1 Dec 70
The skin and friction: deviations from Amonton's laws, and the effects of hydration and lubrication. Comaish S, et al. Br J Dermatol 84:37-43, Jan 71
"Catharsis": an excretory function of the epidermis. Malak JA, et al.
Br J Dermatol 84:516-22, Jun 71 (41 ref.)
The measurement of the electric activity of the skin in clinical anesthesia. Kurimoto S, et al.
Bull Osaka Med Sch 16:182-93, Oct 70
A method for measuring human skin elasticity in vivo with observations of the effects of age, sex and pregnancy. Grahame R. Clin Sci 39:223-9, Aug 70
Cutaneous and respiratory evaporation in the painted quail, Excalfactoria chinensis, during ontogeny of thermoregulation. Bernstein MH.
Comp Biochem Physiol 38:611-7, 1 Mar 71
Potential differences and short circuit current across the skin of Rana cancrivora, in vitro. Dicker SE, et al.
Comp Biochem Physiol 38:687-97, 1 Mar 71
The interference of some substances with the water vapour loss of human skin. Spruit D.
Dermatologica 142:89-92, 1971
The water-barrier of stripped and normal skin. Spruit D. Dermatologica 141:54-9, 1970
The effects of skin resistance and capacitance coupling on EMG amplitude and power spectra. Schanne FJ, et al. Electromyography 10:273-86, Sep-Oct 70
Biologic action of proinsulin on ventral toad skin in vitro. Konsek JP, et al.
Endocrinology 89:847-51, Sep 71
The action of aldosterone on transepithelial sodium transport in isolated ventral toad skin. Porter GA.
Gen Comp Endocrinol 16:443-51, Jun 71
An inductively coupled RF system for the transmission of 1 kW of power through the skin. Schuder JC, et al.
IEEE Trans Biomed Eng 18:265-73, Jul 71
The significance of cutaneous respiration in Bufo regularis Reuss. Cloudsley-Thompson JL.
Int J Biometeorol 14:361-4, Dec 70
Effect of skin cooling on exercise ventilation in the awake dog. Bainton CR, et al.
J Appl Physiol 30:370-7, Mar 71
Skin conductance responses mediated by the transected human spinal cord. Fuhrer MJ.
J Appl Physiol 30:663-9, May 71
Effect of changes in transepithelial transport on the uptake of sodium across the outer surface of the frog skin. Biber TU. J Gen Physiol 58:131-44, Aug 71
A psychophysiological test for motion-sickness

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

susceptibility. Parker DM.
J Gen Psychol 85:87-92, Jul 71
The induction of hair follicles by embryonic dermal papillae. Kollar EJ. J Invest Dermatol 55:374-8, Dec 70
The role of lipids in the epidermal barrier to water diffusion. Sweeney TM, et al.
J Invest Dermatol 55:135-40, Aug 70
Stratum corneum biomechanical properties. I. Influence of relative humidity on normal and extracted human stratum corneum. Wildnauer RH, et al. J Invest Dermatol 56:72-8, Jan 71
Apparatus for automatic short-circuiting of frog skin in vitro. Barry W, et al. J Physiol (Lond) 213:13P, Mar 71
Particle transport within the human micro-environment. Clark RP, et al.
J Physiol (Lond) 208:43P-45P, Jun 70
The plantar cushion reflex circuit: an oligosynaptic cutaneous reflex. Egger MD, et al.
J Physiol (Lond) 216:483-501, Jul 71
The effect of noradrenaline on the toad skin potential. House CR. J Physiol (Lond) 209:513-37, Aug 70
Effects on "basal" skin potential level of varying the concentration of an external electrolyte. Christie MJ, et al. J Psychosom Res 15:343-8, Sep 71
Attention and verbalization: differential responsivity of cardiovascular and electrodermal systems. Kaplan BE, et al. J Psychosom Res 15:323-8, Sep 71
Skin potential activities and their regional differences during normal sleep in humans. Hori T, et al. Jap J Physiol 20:657-71, 15 Dec 70
Simple simulator of electrical excitation in frog skin. Gebhardt U, et al. Med Biol Eng 8:525-7, Sep 70
Cutaneous sensation reconsidered. Quilliam TA. Med Biol Illus 21:183-7, Jul 71
Emotional attributes of color: a comparison of violet and green. Nourse JC, et al.
Percept Mot Skills 32:403-6, Apr 71
Mechanism of reflexion in silvery layers of fish and cephalopods. Denton EJ, et al.
Proc R Soc Lond [Biol] 178:43-61, 15 Jun 71
The effects of epidermal hydration and sodium reabsorption on palmar skin potential. Fowles DC, et al. Psychol Bull 73:363-78, May 70
Square-wave analysis of skin impedance. Lykken DT. Psychophysiology 7:262-75, Sep 70
Measurement of the electrical skin resistance during skin drilling. Pasquali E, et al.
Psychophysiology 8:236-8, Mar 71
Personality correlates of physiological responses to motion pictures. Roessler R, et al.
Psychophysiology 6:732-9, May 70
The localization of non-tactile thermal sensations. Simmel ML, et al. Psychophysiology 5:415-25, Jan 69
Electrocutaneous threshold changes produced by electric shock. Tursky B, et al.
Psychophysiology 7:490-8, Nov 70
An instrument for estimating evaporation from small skin surfaces. Lamke LO.
Scand J Plast Reconstr Surg 4:1-7, 1970
In vitro techniques for avoiding edge damage in studies of frog skin. Helman SI, et al.
Science 173:146-8, 9 Jul 71
Effect of ciguatoxin on sodium transport across the frog skin. Setliff JA, et al.
Toxicol Appl Pharmacol 18:676-84, Mar 71
Orientations. Sweet RD.
Trans St Johns Hosp Dermatol Soc 57:135-8, 1971
[Mechanisms of hydration of the palmoplantar corneal stratum] Zâhejský J, et al.
Cesk Dermatol 46:7-16, Feb 71 (Cze)
[Distribution of temperatures during thermal exchanges by natural convection in the human hand] Lemaire R, et al.
C R Soc Biol (Paris) 164:768-70, 1970 (Fre)
[EDG spontaneous activity and sleep stages in premature infants. Polygraphic study] Curzi-Dascalova L, et al.
Rev Neurol (Paris) 123:231-9, Oct 70 (Fre)
[Studies on the mechanical properties of human skin in relation to age and sex] Holzmann H, et al.
Arch Klin Exp Dermatol 239:355-67, 1971 (Ger)
[Studies on the mechanical properties of rat skin in correlation to sex and age] Vogel HG, et al.
Arch Klin Exp Dermatol 239:296-306, 1970 (Ger)
[Significance of skin function tests in expert testimony on occupational accidents. Skin function tests on skin grafts] Gloor M.
Berufsdermatosen 18:96-107, Apr 70 (Ger)
[Functional examination of skin in cosmetics] Gloor M.
Cosmetologica 19:299-308, 20 Sep 70 (Ger)
[Anatomy and physiology of the integument] Weirich EG. Cosmetologica 19:251-64, 20 Jul 70 (Ger)
[Anatomy and physiology of the integument] Weirich EG. Cosmetologica 19:131-8 contd, 20 Apr 70 (Ger)
[Studies on skin perspiration] Winkler A.
Cosmetologica 19:383-5, 20 Oct 70 (Ger)
[Role of the skin in heat regulation of domestic animals] Stephan E, et al.
Dtsch Tieraerztl Wochenschr 77:628-31, 15 Dec 70 (Ger)
[The skin as an object of electrical measurements] Kellner G, et al. ZWR 80:57-60, 25 Jan 71 (Ger)
[Dermo-epidermal interaction. II. Papillae, blood vessels and keratin] Moretti G, et al.
G Ital Dermatol 45:584-7, Oct 70 (Ita)
[Skin pH of the sebaceous regions and its role in the development of skin manifestations] Perisic S, et al.
G Ital Dermatol 46:146-8, Mar 71 (Ita)
[Concept and practice of abnormal point determination of skin impedance] Nakagawa S, et al.
J Jap Med Assoc 64:841-50, Oct 70 (Jap)
[The ontogeny of spontaneous skin potential responses during natural sleep in kittens] Yamazaki K, et al.
J Physiol Soc Jap 32:606-16, Sep 70 (Jap)
[Reduction of palmar skin activity by epidermal hydration] Okuda K, et al.
Jap J Psychol 41:158-62, Aug 70 (Jap)
[Operant control of spontaneous skin potential response in Japanese and American subjects: a comparative study] Watanabe T, et al.
Jap J Psychol 42:79-86, Jun 71 (Jap)
[Skin potential activity during mental task] Yamazaki K. Jap J Psychol 42:40-3, 1971 (Jap)
[Degree of restoration during skin regeneration in birds] Efimov EA.
Biull Eksp Biol Med 72:102-5, Jul 71 (Rus)
[Electrotonic changes in the skin and muscles] Vasil'eva VK. Nerv Sist 9:151-8, 1968 (Rus)
[Research work at the Moscow Institute of Cosmetology, Ministry of Health RSFSR] Akhabadze AF. Vestn Dermatol Venerol 43:10-3, Aug 69 (Rus)
[Regeneration of epidermis after tape-stripping] Eriksson G, et al. Nord Med 84:1380, 22 Oct 70 (Swe)
[Water loss through the skin in different climatic states] Lamke LO. Nord Med 84:1345, 15 Oct 70 (Swe)

PHYSIOPATHOLOGY

Studies in burns: 8. The role of cutaneous water-holding lipid in post-burn thermoregulation. Jelenko C 3d, et al. Ann Surg 174:109-14, Jul 71
Tensiometric studies of unwounded and wounded skin: results using a standardized testing method. White WL, et al. Ann Surg 173:19-25, Jan 71
The physical properties of skin in cutis laxa. Grahame R, et al. Br J Dermatol 84:326-9, Apr 71
Fibrinolytic activity in lesions produced by monochromator ultraviolet irradiation in various photodermatoses. Grice K, et al.
Br J Dermatol 83:637-49, Dec 70
Epithelial-endothelial interaction in the control of inflammation through fibrinolysis. Ryan TJ, et al.
Br J Dermatol 84:501-15, Jun 71
The effect of a standardized 'skin insult' on transepidermal water loss from clinically resolved dermatitic skin. Raffle EJ, et al.
Dermatologica 141:206-14, 1970
Alterations in sweat response in skin lesions of leprosy. A dermometric study. Furness MA.
Lepr Rev 41:169-74, Jul 70
Heart rate, skin resistance, and reaction time of mongoloid and normal children under baseline and distraction conditions. Wallace RM, et al.
Psychophysiology 6:722-31, May 70
[A new method for the measurement of skin roughness] Tronnier H, et al.
Berufsdermatosen 18:89-95, Apr 70 (Ger)
[Cosmetic problems on the horny layer of the skin] Klaschka F. Cosmetologica 19:363-6, 20 Oct 70 (Ger)
[Physical skin measurements in acne and pyoderma] Ude P. Cosmetologica 19:411-6, 20 Dec 70 (Ger)
[Hydrogen ion concentration of the skin in relation to susceptibility to trichophytosis] Braun W, et al.
Dermatol Monatsschr 155:651-60, 1969 (Ger)
[Topical histochemical studies on the reaction of clinically normal areas of the skin of psoriasis patients to stripping of the horny layer of the epidermis] Wohlrab W, et al. Dermatologica 142:79-88, 1971 (Ger)
[The regulation of tissue restoration in the skin] Bullough WS, et al. Hautarzt 22:174-80, Apr 71 (Ger)
[Principle and application possibilities of the nitraxine yellow test] Burckhardt W.
Hautarzt 21:480, Oct 70 (Ger)
[Study of the pH and rH2 of the skin surface in patients with psoriasis and eczema] Pankratov VG.
Vestn Dermatol Venerol 44:20-5, Feb 70 (Rus)
[Studies of the functional state of the skin in eczema and neurodermatitis by determination of the resistance of the skin to constant current] Sorokina LN. Vestn Dermatol Venerol 43:14-6, Aug 69 (Rus)
[Functional state of intact skin in burns] Starchenko ME. Vestn Dermatol Venerol 44:36-41, Aug 70 (Rus)

RADIATION EFFECTS

Ultraviolet light inflammation and C-reactive protein in a case of agranulocytosis with erysipelas. Kindmark CO, et al. Acta Derm Venereol (Stockh) 51:210-4, 1971
Erythropoietic protoporphyria. VI. The synergistic effect of ultraviolet and infrared radiation and protection against these wavelengths. Runge WJ, et al. Acta Derm Venereol (Stockh) 51:55-8, 1971
Skin dosages in radiation-sparing techniques for the laboratory and field. Garn SM, et al.
Am J Phys Anthropol 26:101-5, Jan 67
Use of electron filter to reduce skin dose in cobalt teletherapy. Khan FM.
Am J Roentgenol Radium Ther Nucl Med 111:180-1, Jan 71
Methods for the enhancement of skin sparing in cobalt 60 teletherapy. Saylor WL, et al.
Am J Roentgenol Radium Ther Nucl Med 111:174-9, Jan 71
Effects of fast neutrons on human skin. Sheline GE, et al.
Am J Roentgenol Radium Ther Nucl Med 111:31-41, Jan 71
Induction of antinuclear antibodies by ultraviolet irradiation. Veen JH, et al.
Ann Rheum Dis 29:556-8, Sep 70
Photosensitivity from occlusion. Kahn G.
Arch Dermatol 103:340, Mar 71
Long-term laser exposure of a senile freckle. Goldman L, et al. Arch Environ Health 22:401-3, Mar 71
Experimental animal results relating to time-dose relationships in radiotherapy and the "ret" concept. Fowler JF. Br J Radiol 44:81-90, Feb 71 (40 ref.)
Surface effects of high-energy X rays at oblique incidence. Jackson W. Br J Radiol 44:109-15, Feb 71
A critical look at the ret. Liversage WE.
Br J Radiol 44:91-100, Feb 71
RBE values of 15 MeV neutrons for effects on normal tissues. Broerse JJ, et al. Eur J Cancer 7:171-7, May 71
RBE values for cyclotron neutrons for effects on normal tissues and tumours as a function of dose and dose fractionation. Field SB, et al.
Eur J Cancer 7:161-9, May 71
Skin response to a point source of fissioned uranium-235 carbide. Dean PN, et al.
Health Phys 19:3-7, Jul 70
Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials. Osanov DP, et al. Health Phys 20:559-66, Jun 71
Radiation dose to the skin and gonads on volunteer subjects undergoing investigative Roentgenogrammetry, with a description of a new gonad protector. Jones PR. Hum Biol 43:7-15, Feb 71
Experimental study of agents protecting the skin against acute radiation ulceration. Chaudhuri SK, et al. Indian J Med Res 58:1413-20, Oct 70
Ultraviolet wavelength factors in solar radiation and skin cancer. Freeman RG, et al.
Int J Dermatol 9:232-5, Jul-Sep 70
Microspectrophotometric study of oxidative enzymes in irradiated epidermis. Klein-Szanto AJ, et al.
Int J Radiat Biol 18:235-41, 1970
Effects of light on skin lipid metabolism. Black HS, et al. J Invest Dermatol 56:387-91, May 71
Changes in skin histamine induced by x-ray of differing quality. Carlsen RA, et al.
J Invest Dermatol 56:69-71, Jan 71
Xeroderma pigmentosum: abnormal monochromatic action spectrum and autoradiographic studies. Cripps DJ, et al. J Invest Dermatol 56:281-6, Apr 71
Pharmacological studies in inflammation due to exposure to ultraviolet radiation. Sondergaard J, et al.
J Pathol 101:93-7, Jun 70
Sunlight and the skin. Willis I.
JAMA 217:1088-93, 23 Aug 71
Measurement of skin dose from low energy beta and gamma radiation using thermoluminescent discs. Marshall M, et al. Phys Med Biol 16:503-10, Jul 71
The effect of the nervous system on the course of radiation reactions due to the application of soft X-rays. Bachurzewski J, et al. Pol Med J 8:932-6, 1969
The response of the skin of swine to increasing absorbed doses of the 10B(n, alpha)7Li reaction: histologic and cytologic changes. Archambeau JO.
Radiat Res 45:137-44, Jan 71
The response of the skin of swine to increasing absorbed doses of radiation from a thermal neutron beam, a degraded fission neutron beam, and the 10B(n, alpha)7Li reaction. Archambeau JO, et al.
Radiat Res 45:145-65, Jan 71
Response of mouse epidermal cells to single and divided doses of fast neutrons. Denekamp J, et al.
Radiat Res 45:80-4, Jan 71
Studies of the influence of wavelength on biological effects. Time and dose differentials at "radiation action sites" in the skin. Jolles B, et al.
Strahlentherapie 139:716-23, Jun 70
[Cutaneous reactions induced by electron beams] Eschwege F, et al.
Bull Cancer (Paris) 56:13-8, Jan-Mar 69 (Fre)
[On the effect of kallikrein on irradiated skin of large white pigs] Goffin JC, et al.
J Belge Radiol 53:300-10, Jul-Aug 70 (Fre)
[Erythema after administration of ionizing radiations] Van Caneghem P. J Belge Radiol 51:84-8, 1968 (Fre)
[Radionecrosis of the skin. Tasks for a medical group] Drepper H, et al. Med Welt 5:155-62, 30 Jan 71 (Ger)
[Preliminary experiences in the treatment with DMSO fibrous skin changes after percutaneous radiotherapy] Glaser FH, et al.
Radiobiol Radiother (Berl) 11:399-404, 1970 (Ger)
[Significance of threshold rays for the exploration of unsolved problems of the entire X-ray spectrum] Becker O. Radiol Clin Biol 39:247-52, 1970 (Ger)
[Significance of marginal rays for radiation research. 3. Phenomenon of fundamental difference in the effect and mechanism of the direct and indirect absorption

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of quantum energy on the cell complex level within the regulatively controled entirety] Becker O.
Strahlentherapie 140:678-86, Dec 70 (Ger)
[Significance of marginal rays in radiation research. 2. Attempt to clarify the adaptation and regulatory mechanism in a discussion using the environmental factor "radiation" in comparison with the information gained through immunity research] Becker O.
Strahlentherapie 139:303-7, Mar 70 (Ger)
[Studies on erythema effect curve] Fetz S.
Strahlentherapie 140:236-42, Aug 70 (Ger)
[Modification of the radiation reaction using Tanderil] Mühleisen H, et al.
Strahlentherapie 139:707-12, Jun 70 (Ger)
[Skin reaction to hyperbaric oxygen in the high pressure chamber (animal experiments)] Teske HJ.
Strahlentherapie 139:174-8, Feb 70 (Ger)
[Pharmacological protection against light rays through elements of nucleic acids in animal experiments] Wiskemann A.
Strahlentherapie 141:752-5, Jun 71 (Ger)
[Electron microscopy of tissues after treatment with laser radiations] Caizavara F, et al.
Friuli Med Suppl 6:1187+, Nov-Dec 68 (Ita)
[Some critico-evaluative considerations on the relations between the epidermal SH-groups, ultraviolet rays and epithelial tumors] Caccialanza P, et al. G Ital Dermatol 45:562-3, Oct 70 (Ita)
[Capillaroscopic studies with a cryotest with carbon dioxide snow in subjects exposed to the risk of ionizing radiations] Ippolito F, et al.
G Ital Dermatol 44:528-30, Oct 69 (Ita)
[Histological findings in normal tissues irradiated under the protection of a grid] Ottolenghi G.
Minerva Radiol 14:277-93, Jul-Aug 69 (Ita)
[The significance of melanotic skin pigmentation in radiotherapy] Traversin E.
Quad Radiol 35:73-9, Jan-Feb 70 (Ita)
[Experimental study of skin reactions to the combined effect of x-irradiation and prednisolone] Karnaukhova EK.
Biull Eksp Biol Med 68:103-4, Nov 69 (Rus)
[State of fibrous structures in chronic radiation ulcers of the skin] Kostiukovskiĭ IM, et al.
Med Radiol (Mosk) 15:43-9, Jul 70 (Rus)
[Effect of ultraviolet irradiation on skin hexokinase activity] Smirnova MG.
Vopr Med Khim 17:145-8, Mar-Apr 71 (Rus)
[Methods of measuring infrared irradiation of human skin] Petrov IuL, et al.
Fiziol Zh 14:569-71, Jul-Aug 68 (Ukr)
[Effect of optical quantum generator radiation on electrical parameters of live tissue] Volkov IuM, et al.
Fiziol Zh 16:480-3, Jul-Aug 70 (Ukr)
[Amino acid composition of calf skin proteins and radiation effects] Golovach VM, et al.
Ukr Biokhim Zh 42:35-8, 1970 (Ukr)
[Change in aminotransferase activity in blood and skin of calves with UV radiation] Golovach VN, et al.
Ukr Biokhim Zh 42:775-8, 1970 (Ukr)

RADIOGRAPHY

[Radiography of the skin] Gros C, et al.
J Radiol Electrol Med Nucl 51:731-41, Dec 70 (Fre)
[X-ray microradiograms of the hair follicle during different phases of growth] Steiglieder GK, et al.
Arch Klin Exp Dermatol 239:213-8, 1970 (Ger)

SECRETION

Two possible catecholamine metabolites in the secretion from ox skin. Mabon RM.
Res Vet Sci 11:287-8, May 70
The excretion of 3-methoxy-4-hydroxy mandelic acid (VMA) by cattle skin. Mabon RM, et al.
Res Vet Sci 12:289-92, May 71
[Antimicrobial activity of skin gland secretions of amphibians II. Substances from Leptodactylus pentadactylus] Habermehl G, et al.
Z Naturforsch [B] 25:1451-2, Dec 70 (Ger)

SURGERY

Evaluation of a simple surgical treatment of axillary hyperhidrosis. Gillespie JA, et al.
Br J Dermatol 83:684-9, Dec 70
Ileal loop cutaneous urinary diversion: a critical review. Harbach LB, et al. J Urol 105:511-4, Apr 71
Facial dimple: its formation by a simple technique. Argamaso RV. Plast Reconstr Surg 48:40-3, Jul 71
Dermal mastopexy. Goulian D Jr.
Plast Reconstr Surg 47:105-10, Feb 71
Skin cleaning fluids for use with drum-type dermatomes. Hawtof DB.
Plast Reconstr Surg 48:171, Aug 71
[Dermo-adipose flap for the filling in of the loss of cicatricial fatty substances] Pollet J.
Bull Mem Soc Chir Paris 59:231-5, 1969 (Fre)
[Treatment of post-traumatic skin flaps of limbs. Original technic] Lahbabi S.
Presse Med 79:1351-2, 12 Jun 71 (Fre)
[Self-adapting skin suture] Minta P.
Wiad Lek 24:601-2, 15 Mar 71 (Pol)

TRANSPLANTATION

Instruments for perforation of skin grafts. Gimmelfarb AL. Acta Chir Plast (Praha) 12:255-9, 1970
Delayed exposed grafting following reconstructive procedures in head and neck cancer. Jackson IT. Acta Chir Plast (Praha) 13:16-24, 1971
Further experiences on free transfer of hair bearing skin. Karfík V, et al.
Acta Chir Plast (Praha) 12:227-34, 1970
Investigations on the response of some lysosomal enzymes of rabbit leukocytes in the course of immunization with allogenic skin graft. Tchorzewski H, et al. Acta Physiol Pol 22:320-5, 1970
Effect of human chorionic gonadotropin on intrauterine skin allograft survival in rats. Kaye MD, et al. Am J Obstet Gynecol 110:640-3, 1 Jul 71
Interposed flap reconstruction of extensive sacral defects. Rapperport AS, et al.
Am J Proctol 22:29-35, Feb 71
A simple splinting method for protecting extremity grafts in infants. Filston HC, et al.
Am J Surg 122:432, Sep 71
Marginal resection of the mandible with reconstruction by tongue flap for carcinoma of the floor of the mouth. Som ML, et al. Am J Surg 121:679-83, Jun 71
Analysis of the immunosuppressive and oncogenic effects of heterologous antilymphocyte serum. Zipp P, et al. Am J Surg 122:204-8, Aug 71
Hair growth in skin grafts placed on hairless mice. Argyris TS, et al. Anat Rec 168:457-62, Dec 70
Principles of skin grafting in burns. Sundell B. Ann Chir Gynaecol Fenn 60:5-8, 1971 (23 ref.)
Dermal arthroplasty. Bailey BN, et al.
Ann Rheum Dis 29:565-6, Sep 70
Comparative studies on fresh and preserved skin: fundamental biologic differences in behavior as grafts. Abbott WM, et al. Ann Surg 172:781-6, Nov 70
Gas gangrene of the abdominal wall: management after extensive debridement. Morgan A, et al.
Ann Surg 173:617-22, Apr 71
Studies on the influence of the bursa of Fabricius on the immunologic response and transplantation barrier in chickens. Gieldanowski J, et al.
Arch Immunol Ther Exp (Warsz) 18:473-80, 1970
Studies on histocompatibility in skin allotransplantaion in rabbits. Matej H.
Arch Immunol Ther Exp (Warsz) 18:315-26, 1970
Delto-pectoral flap. Loré JM JR, et al.
Arch Otolaryngol 94:13-8, Jul 71
Vascular pedicled island flaps. Use in head and neck reconstructive surgery. Strahan RW, et al.
Arch Otolaryngol 92:588-95, Dec 70
Surgical treatment of gastroschisis. Description of a modification of the staged treatment for large defects. Shim WK. Arch Surg 102:524-9, May 71
Refrigeration anaesthesia for donor areas. Howie CC.
Br J Anaesth 43:616-9, Jun 71
Treatment of benign familial pemphigus (Hailey-Hailey) by skin grafting. Bitar A, et al.
Br J Dermatol 83:402-4, Sep 70
Persistence of active donor follicles after skin allograft rejection by hamsters. Adler S, et al.
Br J Plast Surg 23:326-8, Oct 70
Reimplantation of an avulsed ring finger using a sensory cross-finger flap. Alonso-Artieda M.
Br J Plast Surg 24:293-5, Jul 71
Transfer of an abdominal dermo-fat graft by direct anastomosis of blood vessels. Antia NH, et al.
Br J Plast Surg 24:15-9, Jan 71
Experience with the medially based deltopectoral flap in reconstructuve surgery of the head and neck. Bakamijan VY, et al. Br J Plast Surg 24:174-83, Apr 71
Oesophagoplasty with penile skin. Benbassat M.
Br J Plast Surg 23:371-2, Oct 70
The early ambulation of patients with lower limb grafts. Bodenham DC, et al.
Br J Plast Surg 24:20-2, Jan 71
The Z-plasty: biomechanics and mathematics. Furnas DW, et al. Br J Plast Surg 24:144-60, Apr 71
A simple bed-side skin grafting procedure. Gibraiel BA.
Br J Plast Surg 24:238-40, Jul 71
The jump flap procedure in the treatment of burn scar contractures of the neck. Gibraiel EA.
Br J Plast Surg 24:289-92, Jul 71
New three-flap reconstruction technique. Orticochea M. Br J Plast Surg 24:184-8, Apr 71
The use of the intact side of the face for reconstruction of the injured opposite side. Orticochea M.
Br J Plast Surg 23:235-41, Jul 70
A new method for total reconstruction of the nose: the ears as donor areas. Orticochea M.
Br J Plast Surg 24:225-32, Jul 71
The treatment of split thickness skin graft donor sites using n-butyl and n-heptyl 2-cyanoacrylate. Ousterhout DK, et al. Br J Plast Surg 24:23-30, Jan 71
Wound contraction in rabbits and the effectiveness of skin grafts in preventing it. Sawhney CP, et al.
Br J Plast Surg 23:318-21, Oct 70
Contracture of skin grafts and its relation to cleavage lines of skin. Sawhney CP.
Br J Plast Surg 24:233-7, Jul 71
Neurovascular island pedicled flaps for terminal digital scars--a hazard. Shaw MH.
Br J Plast Surg 24:161-5, Apr 71
Biology of the stage of plasmatic imbibition. Smahel J.
Br J Plast Surg 24:140-3, Apr 71
Free skin transplantation on a prepared bed. Smahel J.
Br J Plast Surg 24:129-32, Apr 71
Preparation-phenomenon in a free skin graft. Smahel J.
Br J Plast Surg 24:133-9, Apr 71
Contribution to the origin of the vasculature in free skin autografts. Smahel J, et al.
Br J Plast Surg 23:322-5, Oct 70
The blood flow in tubed skin pedicles: calibration for the photoelectric plethysmograph. Stranc WE, et al.
Br J Plast Surg 24:10-4, Jan 71
A study of the vascularisation of pedicle flaps using disulphine blue. Teich-Alasia S.
Br J Plast Surg 24:282-8, Jul 71
Deliberate delayed primary skin-grafting. Stell PM, et al. Br J Surg 57:702-3, Sep 70
The results and complications of scrotal-flap urethroplasty for stricture. Blandy JP, et al.
Br J Urol 43:52-7, Feb 71
The prepuce used for the repair of a stricture of the bulbous and membranous urethra. Bonnin NJ.
Br J Urol 42:739-40, Dec 70
Replacement of normal reflex behavior with misdirected reflexes in skin-grafted Ronidae. Baker RE. Brain Res 24:549-50, 18 Dec 70
An in vitro study on migration activity of spleen cells of allografted and antithymocytic serum treated animals. Kossowska-Paul B, et al.
Bull Acad Pol Sci [Biol] 18:749-51, 1970
Traumatic digital amputations of the thumb. Inglis AE.
Bull Hosp Joint Dis 32:4-9, Apr 71
Nasal reconstruction by scalping flap in a case of malignant melanoma of the nasal tip. Hoehn R.
Bull NY Acad Med 46:922-31, Nov 70
Successful skin graft on renal allograft: report of a case. Wu KT, et al. Can J Surg 14:80-1, Jan 71
Skin avulsion of the thumb. (Case P69).
Can Med Assoc J 105:307, 7 Aug 71
The fate of autoplastic and alloplastic implants in the bovine stifle joint. Hamilton GF, et al.
Can Vet J 11:209-14, Oct 70
Skin transplantation in horses. Meagher DM, et al.
Can Vet J 11:239-48, Dec 70
The immunodepressive activity of Escherichia coli L-asparaginase in some transplantation systems. Brambilla G, et al. Cancer Res 30:2665-70, Nov 70
The role of the dermis in the induction of neoplasia by Shope papilloma virus. Breedis C, et al.
Cancer Res 30:974-9, Apr 70
An experimental evaluation of skin graft preservation with silicone fluid. Ballantyne DL Jr, et al.
Cryobiology 8:211-5, Apr 71
Transplantation, implantation, and grafts. Boyne PJ.
Dent Clin North Am 15:433-53, Apr 71
Sliding skin grafts in the treatment of anal fissures. Samson RB, et al.
Dis Colon Rectum 13:372-5, Sep-Oct 70
Delay in skin allograft rejection in rats grafted with fetal adrenal glands. Besedovsky HO.
Experientia 27:697-8, Jun 71
Time dependence of the number of histocompatibility loci in skin graft rejection of mice. Brambilla G, et al.
Experientia 26:1140-1, 15 Oct 70
Myringo-tympano-mastoidoplasty. Bienias GB.
Eye Ear Nose Throat Mon 50:253-6, Jul 71
Runt syndrome incidence and skin graft tolerance in various interstrain combinations of rats differing at a single or multiple histocompatibility loci. Křen V, et al. Folia Biol (Praha) 16:305-13, 1970
Some questions of non-H-2 transplantation tolerance in mice. Němec M, et al. Folia Biol (Praha) 17:86-96, 1971
Immunological responsiveness in CBA-PH and C57BL-6 mice and in their first backcross generation. Poláčková M, et al. Folia Biol (Praha) 17:163-70, 1971
The frequency of "Allocluster-forming cells" in the lymph nodes of skin-grafted mice as a function of the histocompatibility barrier. Viklický V, et al.
Folia Biol (Praha) 17:156-62, 1971
Delayed rejection of skin allografts in offspring of sensitized mothers. Vlahović S, et al.
Folia Biol (Praha) 16:330-5, 1970
Incubation patch of the chicken: response to hormones in situ and transplanted to a dorsal site. Jones RE, et al. Gen Comp Endocrinol 15:398-403, Dec 70
Pedicled homo-skin grafting; an experimental study in animals. Hayashi T, et al.
Hiroshima J Med Sci 19:23-39, Mar 70
Bone marrow and lymph node cells in the rejection of skin allografts in mice. Giroud JP, et al.
Immunology 19:857-63, Dec 70
Effect of mouse submandibular gland extracts on survival of H-2 incompatible skin allografts. Kongshavn PA, et al. Immunology 19:363-7, Aug 70
Observations on the immunobiology of 'nude' mice. Pantelouris EM. Immunology 20:247-52, Feb 71
Cellular events during the induction of immune responses. Gowans JL.
Int Arch Allergy Appl Immunol 41:1-3, 1971
The metal head cap. A delayed aid to the tagliacotian operation. Bautista BN, et al. Int Surg 55:297-8, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Protected exposure. A method of managing selected skin grafts. Bautista BN, et al. Int Surg 55:214-6, Mar 71
Alloplastic replacement of the partially resected urethra on dogs. Kelámi A, et al. Invest Urol 9:55-8, Jul 71
Simple method for skin grafting in mice. Wexler MR. Isr J Med Sci 6:315-7, Mar-Apr 70
Lymphocyte cultures and skin allograft survival in patients with South American blastomycosis. Mendes NF, et al. J Allergy Clin Immunol 48:40-5, Jul 71
A skin punch technique for equine skin grafting. Boyd CL, et al. J Am Vet Med Assoc 158:82-8, 1 Jan 71
Split-thickness autologous skin transplantation in horses. Meagher DM, et al. J Am Vet Med Assoc 159:55-60, 1 Jul 71
Skin transplantation and the types of lymphocytes involved in rejection. Griffiths A. J Anat 107:194, Jul 70
A simple rapid technique for applying skin grafts. Gardner RC. J Bone Joint Surg [Am] 52:812, Jun 70
Cross-finger pedicle flaps in the hand. Johnson RK, et al. J Bone Joint Surg [Am] 53:913-9, Jul 71
Use of a tailored abdominal pedicle flap for surgical reconstruction of the hand. Kelleher JC, et al. J Bone Joint Surg [Am] 52:1552-62, Dec 70
Another way to manage the split-thickness skin donor site. Stallings JO, et al. J Bone Joint Surg [Am] 53:185-6, Jan 71
Traumatic ischaemia in a haemophiliac. Report of a case of prolonged haemostasis with cryoprecipitate during decompression and skin grafting. Robins RH, et al. J Bone Joint Surg [Br] 53:113-7, Feb 71
Implantation, transplantation, and epithelial-mesenchymal relationships in the rat uterus. Beer AE, et al. J Exp Med 132:721-36, 1 Oct 70
Immunosuppressive and graft-rejecting anti--bodies in heterologous anti-lymphocytic serum. Cinader B, et al. J Exp Med 133:81-99, 1 Jan 71
Cellular and vascular components of the allograft reaction. Evidence from returned skin allografts. Lambert PB, et al. J Exp Med 132:868-84, Nov 70
The sensitization of rats by allografts transplanted to alymphatic pedicles of skin. Tilney NL, et al. J Exp Med 133:951-62, 1 May 71
Skin homografts: tolerogenic versus immunogenic influences in mice. Wachtel SS, et al. J Exp Med 133:921-37, 1 Apr 71
Role of the basophilic leukocyte in allograft rejection. Dvorak HF. J Immunol 106:279-81, Jan 71
Passive serologic transfer of allograft immunity in immunologically suppressed mice. II. Effect of graft exposure to immune serum in primary hosts. Kinne DW, et al. J Immunol 106:629-34, Mar 71
Attempts to abolish tolerance of skin homografts in mice with x-irradiated plasma from specifically sensitized donors. Lubaroff DM, et al. J Immunol 106:1122-4, Apr 71
Growth of human skin on the hamster. Kreider JW, et al. J Invest Dermatol 57:66-71, Jul 71
Transplantation of organ cultures of adult human skin. Summerlin WT, et al. J Invest Dermatol 55:310-6, Nov 70
The growth of fetal mouse skin in cell culture and transplantation to F1 mice. Yuspa SH, et al. J Invest Dermatol 55:379-89, Dec 70
Skin homograft in prevention of habitual abortion: report of a case and review of the literature. Hewitt SR. J Ir Med Assoc 64:323-5, 24 Jun 71
The delto-pectoral flap and composite resection. Cummings CW, et al. J Laryngol Otol 85:431-8, May 71
Immediate pharyngeal repair after pharyngo-laryngectomy using the medially based chest flap. Steil PM, et al. J Laryngol Otol 84:1113-22, Nov 70
The surgical treatment of male pattern baldness with punch scalp autografts. Abu Jamra F. J Med Liban 23:315-20, 1970
Survival of xenogeneic grafts of embryonic pigment and carapace rudiments in embryos of Chelydra serpentina. Yntema CL. J Morphol 132:353-9, Nov 70
Alteration of skin in gross leukemia. II. Kinetic, preleukemic, and irradiation studies. Mariani T, et al. J Natl Cancer Inst 47:361-8, Aug 71
Increased vascular permeability in the primary allograft response in the skin of the rat. Lykke AW, et al. J Pathol 101:319-27, Aug 70
Cell transfer studies on the persistence of homograft sensitivity in the mouse. Warren J, et al. J Pathol 100:39-51, Jan 70
Lymphflow and biochemical composition during homograft rejection. Jasani MK, et al. J Physiol (Lond) 207:70P-71P, Apr 70
Skin grafting alveoloplasty following resection of intraoral tumors. Aramany MA, et al. J Prosthet Dent 24:654-61, Dec 70
Management of the extensively burned scalp. Cunningham DS, et al. J Trauma 11:695-8, Aug 71
The technique of muscle transposition in the operative treatment of traumatic and ulcerative lesions of the leg. Ger R. J Trauma 11:502-10, Jun 71
Versatility of skin allografts: desirability of a viable frozen tissue bank. Graham WP 3d, et al. J Trauma 11:494-501, Jun 71
A new concept in the early excision and immediate grafting of burns. Janžeković Z. J Trauma 10:1103-8, Dec 70
The mesh skin graft in trauma: history and preliminary report on acute wound coverage. Salisbury RB. J Trauma 11:347-51, Apr 71
Evaluation of the scrotal inlay procedure (Turner-Warwick) for strictures of the deep urethra. Brendler H, et al. J Urol 105:256-61, Feb 71
Scrotal flap repair of neo-rectal stenosis following the Gersuny procedure. Secrest AJ, et al. J Urol 104:557-8, Oct 70
Studies on the pressure dressing in full-thickness skin grafting. II. Observations on rabbit skin autografts. Kikuchi I. Kumamoto Med J 23:65-70, 30 Jun 70
Design of skin flaps. Myers MB, et al. Lancet 2:927, 31 Oct 70
Carbon-dioxide laser for excision of burn eschars. Stellar S, et al. Lancet 1:945, 8 May 71
Dural replacement with split thickness skin. Long term experimental and clinical results. Miglets AW, et al. Laryngoscope 81:8-17, Jan 71
Septal dermoplasty--its several uses. Saunders WH. Laryngoscope 80:1342-6, Sep 70
In vivo testing of antihuman lymphocyte sera. Bekkum DW van, et al. Laval Med 41:248-54, Feb 70
Antilymphocyte serum in tissue transplantation. Gunn A. Minerva Chir 26:709-17, 15 Jul 71
Basic studies of the skin transplant for tympanoplasty. Tanaka J. Nagoya J Med Sci 33:173-87, Sep 70
Vascularization of skin grafts. Lambert PB. Nature (Lond) 232:279-80, 23 Jul 71
Skin grafting and the treatment of burns. Bennett JP. Nurs Times 66:1584-7, 10 Dec 70
Plastic management of extensive vulvar defects. Julian CG, et al. Obstet Gynecol 38:193-8, Aug 71
Factors influencing skin graft survival from donors with Ehrlich ascites tumor. Biran S, et al. Oncology 24:344-8, 1970
Reconstruction of the dural canal in myelomeningocele. Case report. Bartal AD, et al. Plast Reconstr Surg 47:87-9, Jan 71
Classification of pharyngostomes: a guideline for closure. Bellinger CG. Plast Reconstr Surg 47:54-60, Jan 71
One-stage palate reconstruction with a free neo-vascularized jejunal graft. Black PW, et al. Plast Reconstr Surg 47:316-20, Apr 71
Double cross-lip flaps for lower lip reconstruction. Bowers DG Jr. Plast Reconstr Surg 47:209-14, Mar 71
Simple technique for correction of "whistling" deformity in repaired cleft lips. Chong JK, et al. Plast Reconstr Surg 48:84-5, Jul 71
Vaginal reconstruction folowing extended abdominoperineal resection. Cocke WM, et al. Plast Reconstr Surg 46:372-4, Oct 70
Transbuccal flaps for reconstruction of the floor of the mouth. Cohen IK, et al. Plast Reconstr Surg 48:8-10, Jul 71
The T-Z-plasty for the male "turkey gobbler" neck. Cronin TD, et al. Plast Reconstr Surg 47:534-8, Jun 71
New route for passage of forehead flap to inside of mouth. Davis GN, et al. Plast Reconstr Surg 47:390-2, Apr 71
Closure of large meningomyelocele defects by composite skin-muscle flaps. Desprez JD, et al. Plast Reconstr Surg 47:234-8, Mar 71
An inexpensive aid for flap planning. The map mileage indicator. Flowers RS. Plast Reconstr Surg 47:505-6, May 71
Zigzag blepharoplasty for upper eyelids. Flowers RS. Plast Reconstr Surg 47:557-9, Jun 71
Xeroderma pigmentosum--five-year arrest after total resurfacing of the face. Gleason MC. Plast Reconstr Surg 46:577-81, Dec 70
"Button" skin repair of an ear defect. Gordon SD. Plast Reconstr Surg 48:190, Aug 71
Hyperbaric oxygenation of pedicle flaps without oxygen toxicity. Gruber RP, et al. Plast Reconstr Surg 46:477-80, Nov 70
Reconstruction of extensive forehead defects. Hamilton R, et al. Plast Reconstr Surg 47:421-4, May 71
A bi-hinged chest-arm flap for lymphedema of the upper limb. Hirshowitz B, et al. Plast Reconstr Surg 48:52-5, Jul 71
Who originated the Z-plasty? (Charles Pierre Denonvilliers). (Denonvilliers CP), Ivy RH. Plast Reconstr Surg 47:67-72, Jan 71
The terminology of flaps. Kahn S. Plast Reconstr Surg 47:485-7, May 71
Double pendulum flaps for whistling deformities in bilateral cleft lips. Kapetansky DI. Plast Reconstr Surg 47:321-3, Apr 71
Subconjunctival antogenous dermal graft to prevent extrusion of orbital implant. Latham WD, et al. Plast Reconstr Surg 46:468-72, Nov 70
Earlobe composite grafts for the correction of nasal defects. Lehman JA Jr, et al. Plast Reconstr Surg 47:12-6, Jan 71
Island flap innervated by radial nerve for restoration of sensation in an index stump. Case report. Lie KK, et al. Plast Reconstr Surg 47:386-8, Apr 71
Rotation finger flaps in reconstruction of burned hands. Lueders HW, et al. Plast Reconstr Surg 47:176-8, Feb 71
The skin "spider". McGibbon B, et al. Plast Reconstr Surg 47:299-300, Mar 71
Organ transplantation (skin, kidney, heart) and the plastic surgeon. Murray JE. Plast Reconstr Surg 47:425-31, May 71
Differences in the delay phenomenon in the rabbit, rat, and pig. Myers MB, et al. Plast Reconstr Surg 47:73-8, Jan 71
Immediate reconstruction with bipolar scalp flap after excisions of huge cheek cancers. Narayanan M. Plast Reconstr Surg 46:548-53, Dec 70
Plea for a radical approach in so-called keratoacanthoma of the eyelid. Neuman Z, et al. Plast Reconstr Surg 47:231-3, Mar 71
A simple procedure for the closure of a large palatal perforation. Neuner O. Plast Reconstr Surg 47:296-8, Mar 71
Hemianoplasty. Pollock WJ, et al. Plast Reconstr Surg 47:568-71, Jun 71
The use of 5-fluorouracil cream to define suitable donor areas. Ryan RF, et al. Plast Reconstr Surg 46:433-6, Nov 70
The blood vessel system of free human skin grafts. Smahel J, et al. Plast Reconstr Surg 47:61-6, Jan 71
An intestinal conduit for free transplantation of other tissues. Washio H. Plast Reconstr Surg 48:48-51, Jul 71
Experimental study of prevention of tip necrosis in ischemic Z-plasties. Wilkinson TS, et al. Plast Reconstr Surg 47:37-8, Jan 71
Regeneration of the skull following a deep electrical burn. Worthen EF. Plast Reconstr Surg 48:1-4, Jul 71
Antibody and cell mediated immunity in corticosteroid-treated chicks. Sato K, et al. Poult Sci 49:982-6, Jul 70
An attempt to improve tolerance to homografts in chickens by selection. Sengar DP, et al. Poult Sci 49:1030-7, Jul 70
Prolonged survival of glutaraldehyde-treated skin homografts. Schechter I. Proc Natl Acad Sci USA 68:1590-3, Jul 71
The transplantation immunology of certain mammalian mothers and progeny. Anderson JM. Proc R Soc Lond [Biol] 176:115-29, 3 Nov 70
Repair of the laryngo-pharynx and cervical oesophagus after irradiation. Shaw HJ. Proc R Soc Med 64:734-7, Jul 71
The effect of supralethal amethopterin and folinic acid rescue on mouse skin allograft survival. Abbott WM, et al. Proc Soc Exp Biol Med 136:510-3, Feb 71
Bone marrow restoration of transplantation immunity in the leopard frog Rana pipiens. Cooper EL, et al. Proc Soc Exp Biol Med 135:406-11, Nov 70
Studies with anti-lymphocytic antibody and antibody-fragments. James K. Progr Immunobiol Stand 4:256-64, 1970
Conditioning of allogeneic skin grafts recipients with crude and water soluble H-2 antigens derived from BP-8 murine tumor cell membranes. Halle-Pannenko O, et al. Rev Eur Etud Clin Biol 15:891-5, Oct 70
Prolongation of skin graft survival in mice by pretreatment with H-2 antigen and cyclophosphamide. Halle-Pannenko O, et al. Rev Eur Etud Clin Biol 15:1090-3, Dec 70
Tolerance to allogeneous grafts induced by viral antigens. Păuşescu E, et al. Rev Roum Physiol 7:259-66, 1970
Passive serologic transfer of immunity to skin grafts in allogeneic and isogeneic mice. Kinne DW, et al. Rev Surg 28:68, Jan-Feb 71
Effect of graft removal and immunosuppression on antibody response to murine histocompatibility antigens. Sparks FC, et al. Rev Surg 27:374, Sep-Oct 70
The effects of hyperbaric oxygen, dimethyl sulfoxide and Complamin on the survival of experimental skin flaps. Arturson G, et al. Scand J Plast Reconstr Surg 4:8-10, 1970
Lethal midline granuloma of the face. Case report. Björnsson A, et al. Scand J Plast Reconstr Surg 3:134-7, 1969
Skin allografts in rats with extensive skin loss. Holta AL, et al. Scand J Plast Reconstr Surg 4:89-92, 1970
Replacement of the avulsed scalp. Case reports. Nummi P, et al. Scand J Plast Reconstr Surg 5:67-70, 1971
Reconstruction of midline skin defects of the nose. Rintala AE, et al. Scand J Plast Reconstr Surg 3:105-8, 1969
Post-anesthetic tissue necrosis in experimental pedicle skin flaps. Sundell B, et al. Scand J Plast Reconstr Surg 3:101-4, 1969
Lymph node cells: their differential capacity to induce tolerance of heart and skin homografts in rats. Barker CF, et al. Science 172:1050-2, 4 Jun 71
Cosmetic considerations in surgery of the hand. Beasley RW. Surg Clin North Am 51:471-7, Apr 71
The use of mesh grafting in treating burns. MacMillan BG. Surg Clin North Am 50:1347-59, Dec 70 (3 ref.)
The use of homografts in burn therapy. Shuck JM. Surg Clin North Am 50:1325-35, Dec 70 (20 ref.)
Liquid crystallometry: a new technique for predicting the viability of pedicle flaps. Freshwater MF, et al. Surg Forum 21:497-9, 1970
Prolongation of skin homografts with 2'-(3-dimethylaminopropylthio) cinnamanilide. Lakey WH, et al. Surg Forum 21:287-8, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Host sensitization by alymphatic skin allografts in the rat. Tilney NL, et al. Surg Forum 21:512-4, 1970
Prolongation of rat skin allograft survival with isonicotinic acid hydrazide and methapyrilene hydrochloride. Moore TC, et al.
Surg Gynecol Obstet 132:275-83, Feb 71
Prolongation of allograft survival by specific antibody-to-lymphocyte-activating substances. Falk RE, et al. Surgery 70:123-7, Jul 71
Omphalocele--an appraisal of therapeutic approaches. Firor HV. Surgery 69:206-14, Feb 71
The surgical management of decubitus ulcers by muscle transposition. Ger R. Surgery 69:106-10, Jan 71
Allograft survival after treatment with antilymphocyte serum combined with immunosuppressive drugs. Grogan JB, et al. Surgery 66:1085-9, Dec 69
Delayed cutaneous hypersensitivity to dinitrochlorobenzene as a method of quantitating immunosuppressive therapy for organ transplantation. Joseph WL, et al.
Surgery 69:847-53, Jun 71
Local graft-versus-host reaction in rats as a clinical assay of immunosuppression. Merino GE, et al. Surgery 69:904-9, Jun 71
Ischiopagus tripus conjoined twins: case report of a successful separation. Mestel AL, et al.
Surgery 69:75-83, Jan 71
A report on three cases with carcinoma developing after antethoracic reconstructive surgery of the esophagus (by skin graft). Nakayama K, et al. Surgery 69:800-4, May 71
F 1 -to-maternal skin graftings across the H-2 incompatibility in mice. Ishizaki M.
Tohoku J Exp Med 104:151-5, Jun 71
One-stage operation for vocal rehabilitation at laryngectomy. McGrail JS, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:510-2, May-Jun 71
Subtotal reconstruction of the human larynx. Polayes, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:56-9, Jan-Feb 71
Composite reconstruction of the open mastoidectomy ear. Smith MF.
Trans Am Acad Ophthalmol Otolaryngol 74:1166-82, Nov-Dec 70
Modified forehead flap repair in oropharyngeal carcinoma. Magielski JE.
Trans Pac Coast Otoophthalmol Soc 51:119-25, 1970
Plaques of cutaneous necrosis in skin-homografted mice. A method of prevention. Anderson SG, et al.
Transplantation 10:342-4, Oct 70
The effect of repeated "therapeutic" courses of antilymphocytic globulin administration on skin allograft survival time in rats. Andeson NF, et al.
Transplantation 12:54-6, Jul 71
Successful use of chondroitin-4-sulfate in prolonging survival of skin allografts of adult mice. Ashby MW, et al. Transplantation 11:107-8, Jan 71
Liver-induced immunosuppression of allograft immunity in urodele amphibians. Baldwin WM 3d, et al. Transplantation 10:530-7, Dec 70
Prolongation of skin allograft survival in C57BL and C3H mice by L-asparaginase treatment. Bertelli A, et al. Transplantation 11:106-7, Jan 71
Reactions to skin allografts in the horn shark, Heterodontis francisci. Borysenko M, et al.
Transplantation 10:545-51, Dec 70
Quantitative assessment of cellular and humoral responses to skin and tumor allografts. Canty TG, et al. Transplantation 11:111-6, Feb 71
Survival times of skin xenografts in mice under chronic treatment with antithymocyte serum in different dosage-timing schedules. Chen CM, et al.
Transplantation 12:157-60, Sep 71
The mechanism of immunological enhancement of H-2-incompatible skin grafts in mice. Chutná J.
Transplantation 12:28-35, Jul 71
The influence of the hair follicle phase on the survival time of skin allografts in the mouse. Claesson MH, et al. Transplantation 10:349-51, Oct 70
Passive immunological enhancement of skin allografts in rats. Cohen I, et al. Transplantation 11:135-7, Feb 71
The role of tissue cells in anti-A hemagglutinin formation in rabbit skin allografts. Colberg JE, et al. Transplantation 8:582-94, Nov 69
Active inhibition of the allograft response in H-2-incompatible mice. Corson JM.
Transplantation 10:484-90, Dec 70
Studies of the specificity and the mechanism of active inhibition of the sensitized allograft response in mice. Corson JM. Transplantation 10:491-8, Dec 70
Donor-host cross circulation before skin homograft in the rat. Di Marco AT, et al.
Transplantation 11:521-4, Jun 71
Prolongation of skin xenograft survival by L-asparaginase. Etheredge EE, et al.
Transplantation 11:353-4, Mar 71
Methylprednisolone therapy and allograft rejection. Comparison of daily and alternate day administration. Friedman EA. Transplantation 10:552-5, Dec 70
Cellular immunity of mice to skin allografts assessed by direct and indirect macrophage inhibition reactions in vitro. Friedman H. Transplantation 11:288-94, Mar 71
Kinetic studies of macrophages. Homograft response. Gillette RW, et al. Transplantation 11:94-6, Jan 71
The accuracy of the mixed leukocyte reaction for predicting skin graft survival in inbred rabbits. Harrison HN, et al. Transplantation 11:341-4, Mar 71
Spontaneous deceleration of skin allograft rejection in the rat. Heslop BF. Transplantation 11:497-9, May 71
The role of mucopolysaccharide in the anomalous survival of infant skin allografts in hamsters. Heyner S. Transplantation 10:278-90, Sep 70
Isolation of cells infiltrating the skin allograft in mice. Jakóbisiak M, et al. Transplantation 11:354-6, Mar 71
Reactions in vitro with target cells and subcellular fractions of enriched rat alloantibodies with enhancing activity. Jones JM, et al.
Transplantation 12:114-20, Aug 71
Prolongation of rabbit skin allograft survival following treatment of the skin with electrophoresis prior to transplantation. Klaue P, et al.
Transplantation 11:30-4, Jan 71
The effect of immunity on the vascularization of skin allografts. Lambert PB.
Transplantation 10:463-71, Dec 70
Significance of allelic dosage and graft size on tolerance induction by H-1-incompatible skin grafts. Lapp WS, et al. Transplantation 10:389-95, Nov 70
The mixed lymphocyte reaction. Detection of single histocompatibility loci and the correlation to skin graft survival in mice. Mangi RJ, et al.
Transplantation 11:369-73, Apr 71
Unresponsiveness of nude mice to skin allografts. Pennycuik PR. Transplantation 11:417-8, Apr 71
Immunological tolerance and rejection of skin allografts in hhe marmoset. Porter RP, et al.
Transplantation 8:653-65, Nov 69
Skin allograft survival in mice after radioprotection with sodium S-(2-aminoethyl) phosphorothioate and supralethal total body X-irradiation. Saltzstein EC, et al. Transplantation 10:451-3, Nov 70
Prolongation of skin homograft survival by L-asparaginase. Shons A, et al.
Transplantation 10:280-1, Sep 70
Studies on the apparent serial passage of transplantation immunity in tolerant mice. Silvers WK. Transplantation 10:538-44, Dec 70
Kinetics of the response of different classes of antibodies to skin allografts in mice. Ting CC, et al.
Transplantation 11:390-5, Apr 71
Tolerance induction in adult mice with tumor homografts. Wachtel SS, et al.
Transplantation 12:61-4, Jul 71
Double sliding skin graft (H-plasty) in repair of barbiturate slough (a photographic essay). Herron MR. Vet Med Small Anim Clin 66:568-70, Jun 71
[Free skin plastic surgery in deep burns of limited area in children] Boiadzhiev Kh.
Khirurgiia (Sofiia) 21:567-71, 1968 (Bul)
[Introduction of free skin grafting into Denmark. A centenary] Petersen NC.
Ugeskr Laeger 132:2327-31, 3 Dec 70 (Dan)
[Stag-beetle flap. Sliding island flap with plasty in VY] Dufourmentel C. Ann Chir Plast 15:344-7, 1970 (Fre)
[Columella repair by a simple 1-stage procedure (apropos of a case seen more than 4 years later)] Elbaz JS. Ann Chir Plast 16:25-9, 1971 (Fre)
[The cutaneopulpar graft after amputation of the fingertips] Marchac D, et al.
Ann Chir Plast 16:51-4, 1971 (Fre)
[Gunshot destruction of the lateral 3d of the face. Skin and bone reconstruction] Péri G, et al.
Ann Chir Plast 16:32-6, 1971 (Fre)
[Amputations of the finger tips. Round-table discussion at the French Congress of Plastic and Reconstructive Surgery, Paris, September 26, 1969] Ann Chir Plast 15:277-92, 1970 (Fre)
[Cutaneous plastic repair of the trachea. Clinical and experimental study] Fournial G, et al.
Ann Chir Thorac Cardiovasc 10:321-7, Jul 71 (Fre)
[Mechanism of control of pigment extension due to skin autografts] Voulot C.
Ann Dermatol Syphiligr (Paris) 97:549-55, 1970 (Fre)
[Enlargement of retracted conjunctival cavities (personal technic)] Roveda JM.
Ann Ocul (Paris) 202:345-9, Apr 69 (Fre)
[Skin autograft crossing in lupus erythematosus] Cormane RH, et al.
Arch Belg Dermatol Syphiligr 25:231-40, Apr-Jun 69 (Fre)
[Apropos of some new aspects in immunodermatology] Cormane RH.
Arch Belg Dermatol Syphiligr 25:287-97, 1969 (Fre)
[Results of treatment of leg ulcers by homo- and auto-grafts] De la Brassinne M, et al.
Arch Belg Dermatol Syphiligr 26:27-31, Jan-Mar 70 (Fre)
[The procedures for reconstruction of the tip of the nose] Février JC.
Bord Med 3:2367-8 passim, Oct 70 (Fre)
[The skin graft in the surgical treatment of Dupuytren's disease] Jouve O.
Bull Mem Soc Chir Paris 61:182-6, 1971 (Fre)
[A new technic of treatment of chronic ulcers of the leg: a mesh autograft] Glicenstein MJ.
Bull Soc Fr Dermatol Syphiligr 77:473-4, 1970 (Fre)
[Treatment of leg ulcer by cadaver homografts] Lagrot F, et al.
Bull Soc Fr Dermatol Syphiligr 76:452-3, 1969 (Fre)
[Radical tegumentary vulvectomy with immediate cutaneous graft: a surgical solution for vulvar Bowen's disease] Marchac D, et al.
Bull Soc Fr Dermatol Syphiligr 78:24-6, 1971 (Fre)
[Cutaneo-mucosal autoplastic surgery in one stage for epithelioma of the lower eyelid] Boudet C, et al.
Bull Soc Ophtalmol Fr 69:271-5, Feb 69 (Fre)
[Study, by cutaneous homografts, of immune reactions in isogenic individuals obtained by nuclear transplantation in the newt Pleurodeles waltlii Michah] Aimar C.
C R Acad Sci [D] (Paris) 272:2221-4, 26 Apr 71 (Fre)
[Tolerance of cutaneous allografts in Xenopus laevis. Influence of the size and age of the graft] Bernardini N, et al.
C R Acad Sci [D] (Paris) 270:2351-4, 11 May 70 (Fre)
[Durable protective action of thymocyte anti-membrane hetero-antibodies on skin grafts in the rat] Grabar P, et al.
C R Acad Sci [D] (Paris) 271:1914-5, 23 Nov 70 (Fre)
[Influence on the survival of cutaneous allografts in rabbits of the digestive group antigen related to human substance A] Zweibaum A, et al.
C R Acad Sci [D] (Paris) 272:2273-6, 26 Apr 71 (Fre)
[Research on the immunosuppressive properties of antiglobulin serum] Grosjean O, et al.
C R Soc Biol (Paris) 164:1414-7, 1970 (Fre)
[Evolution of skin hemografts in the larva of Pleurodeles waltili Michah] Orfila C, et al.
C R Soc Biol (Paris) 164:1124-8, 1970 (Fre)
[Importance of skin grafts in the surgical treatment of vulvar diseases] Dufourmentel C, et al.
Chirurgie 96:884-90, 18 Nov 70 (Fre)
[Apropos of homologous grafts in children's burns] Estève P. Chirurgie 96:332, 1970 (Fre)
[Cadaver skin homograft. Its place in skin substitutes (with film)] Lagrot F, et al.
Chirurgie 96:241-6, 1970 (Fre)
[The skin. Suture material in large eventrations] Theodoresco D. Chirurgie 97:147-9, 1971 (Fre)
[Reconstruction of traumatic tissue loss on the sole of the foot] Tramier H. Int Surg 55:217-23, Mar 71 (Fre)
[Network type gluing: a new method of tissue consolidation] Gottlob R.
J Chir (Paris) 100:521-6, Dec 70 (Fre)
[Free graft of turned inside out fresh total skin. Its use in filling up substance losses in the abdominal wall] Laburthe-Tolra Y, et al.
J Chir (Paris) 100:399-410, Nov 70 (Fre)
[Strip of skin for uterine suspension and vesical support] Poulhés J, et al.
J Chir (Paris) 101:563-70, May-Jun 71 (Fre)
[Utilization of Dufourmentel's strip in reparation of a serious loss of jugal substance] Appaix A, et al.
J Fr Otorhinolaryngol 18:806-6, Dec 69 (Fre)
[Result of an initial attempt at total pharyngolaryngectomy with reconstruction by the Kaplan-Markovitz procedure] Dargent M, et al.
J Fr Otorhinolaryngol 18:793-6, Dec 69 (Fre)
[Antilymphocyte serum: choice of antigen for its preparation and immunosuppression tests] Traeger J, et al. J Urol Nephrol (Paris) 75:584-9, Sep 69 (Fre)
[2 cases utilizing abdominal grafts in traumatic thumb injuries] Jolicoeur A, et al.
Laval Med 40:566-70, Jun 69 (Fre)
[Epaulette skin flap for post-radiotherapy necrosis of the subclavicular hollow (2 cases, 1 with osseous necrosis of the clavicle)] Mourgues G de, et al.
Lyon Chir 67:67-8, Jan-Feb 71 (Fre)
[Total scalping. Immediate recovery by dermo-epidermal grafts taken from the same scalp] Neidhardt JH, et al.
Lyon Chir 65:416-20, May-Jun 69 (Fre)
[Treatment possibilities for the completely avulsed scalp and frontal region by thin grafts taken from the scalp itself] Neidhardt JH, et al.
Lyon Med 222:91-4, 13 Jul 69 (Fre)
[Influence of the age of the donor and the receiver on the course of skin homografts in larvae of triton "Pleurodeles Waltlii Michah"] Orfila C, et al.
Pathol Biol (Paris) 18:1033-40, Dec 70 (Fre)
[Low-temperature preservation of the skin. Its use in the treatment of severe burns] Eygonnet JP, et al.
Presse Med 78:1871-4, 17 Oct 70 (Fre)
[Cure of utero-vesical prolapse by mean of a strip of skin attached to the uterine isthmus and Cooper's ligaments] Marill RM, et al.
Presse Med 79:874-5, 17 Apr 71 (Fre)
[Repair of cutaneous losses after exeresis of a temporofrontal tumor] Arnaud R.
Rev Laryngol Otol Rhinol (Bord) 92:341-3, May-Jun 71 (Fre)
[On the preparation of grafts in tympanoplasty] Cura O, et al.
Rev Laryngol Otol Rhinol (Bord) 90:24-35, Jan-Feb 69 (Fre)
[Use of Cialit skin in general and orthopedic surgery] Schneider S, et al.
Rev Med Suisse Romande 91:423-8, Jun 71 (Fre)
[Repair of loss of substance of the scalp] Stricker M, et al. Rev Otoneuroophtalmol 41:280-7, Jul-Aug 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Temporomandibular joint arthroplasty by interposition of full-thickness skin] Popescu V. Rev Port Estomatol Cir Maxilofac 11:223-37, Jan-Jun 70 (Fre)
[Free epidermal transplantation in the mouth] Schröder F, et al. Rev Stomatol Chir Maxillofac 72:286-7, Mar 71 (Fre)
[Therapeutic value of skin grafts in the treatment of burn patients] Colson P. Therapie 26:345-51, Mar-Apr 71 (Fre)
[Radiodermatitis of the hands and skin graft] Lagrot F. Therapie 26:353-9, Mar-Apr 71 (Fre)
[Anesthesia of burn patients] Vourc'h G, et al. Therapie 26:299-305, Mar-Apr 71 (Fre)
[Abbé-Estlander flaps and their multiple variations] Dansereau JG, et al. Union Med Can 98:802-7, May 69 (Fre)
[Experimental studies of sweat secretion in free, autologous full-thickness skin grafts in man] Gloor M, et al. Arch Klin Exp Dermatol 239:57-64, 1970 (Ger)
[Reconstruction of glottis with neck skin. (16mm Magnetton color film)] Ganz H. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:210-1, 1970 (Ger)
[Radioautographic studies on the action of lymphocytes in peripheral blood following xenogenous skin transplantation in rats] Walb D, et al. Blut 23:84-91, Aug 71 (Ger)
[Vaginal aplasia and vaginoplasty using split skin grafts] Hentschel M, et al. Chirurg 41:375-7, Aug 70 (Ger)
[Skin grafting in the reconstructive surgery of burns] Müller FE. Chirurg 41:398-402, Sep 70 (Ger)
[Skin plastys in dressing of fresh burns] Seiffert KE. Chirurg 41:393-8, Sep 70 (Ger)
[Hair growth on free skin grafts] Friederich HC, et al. Dermatol Monatsschr 156:229-35, Apr 70 (Ger)
[Late studies on the blood flow in free autologous whole skin autografts in man] Gloor M, et al. Dermatol Monatsschr 156:236-42, Apr 70 (Ger)
[Wound closure without sutures in operative therapy in dermatology] Scholz A, et al. Dermatol Monatsschr 157:126-32, Feb 71 (Ger)
[Clinic and histology of free skin grafts in the mouth] Schwenzer N, et al. Dtsch Zahnaerztl Z 25:1049-54, Nov 70 (Ger)
[Replacement of the mucosa in buccal defects caused by neoplasms] Grimm G, et al. Fortschr Kiefer Gesichtschir 13:112-7, 1968 (Ger)
[Experimental studies on serum secretion in free autologous epidermal-dermal transplants in man] Gloor M, et al. Hautarzt 21:219-21, May 70 (Ger)
[Replacement of eyelid skin following burns] Lentrodt J. Klin Monatsbl Augenheilkd 158:770-9, Jun 71 (Ger)
[Influence of preserved tissue (skin) implantation on NaCl excretion in tears] Vancea P. Klin Monatsbl Augenheilkd 158:303, Feb 71 (Ger)
[Transplantation without immunosuppression] Seinfeld H, et al. Langenbecks Arch Chir 322:1173-7, 1968 (Ger)
[The problem of temporary, especially alloplastic skin replacement] Contzen H. Monatsschr Unfallheilkd 73:516-22, Nov 70 (33 ref.) (Ger)
[Prolonged survival time of skin allotransplants after cytosine arabinoside (CA)] Weitzel H, et al. Verh Dtsch Ges Pathol 54:169-75, 1970 (Ger)
[Experiences with skin-vaginal plastic surgery] Bruck HG. Wien Klin Wochenschr 82:562-5, 31 Jul 70 (Ger)
[Plastic covering of extensive 3d degree burns] Santler R, et al. Wien Klin Wochenschr 82:156-60, 27 Feb 70 (Ger)
[Immunosuppressive effect of histone on the model of skin transplantation. Comparative studies with cyclophosphamide] Gillissen G. Z Gesamte Exp Med 152:335-51, 23 Aug 70 (Ger)
[Influence of gold on the survival time of skin homografts in mice] Scheiffarth F, et al. Z Gesamte Exp Med 152:125-9, 1970 (Ger)
[Suppression of transplantation reaction by simultaneous administration of azathioprine and prednisolone] Adelsberger B, et al. Z Immunitaetsforsch Allerg Klin Immunol 139:277-89, Apr 70 (Ger)
[Primary and secondary skin replacement in the foot region] Clodius L. Z Unfallmed Berufskr 63:294-304, 1970 (Ger)
[Autologous skin graft in late damages of the ligaments (lateral ligament, crucial ligament)] Müller J, et al. Z Unfallmed Berufskr 63:23-9, 1970 (Ger)
[Results and technic of the meniscus suture (possibilities of a meniscus suture)] Willenegger H, et al. Z Unfallmed Berufskr 63:30-3, 1970 (Ger)
[Mesh graft in ulcus cruris] Brunner U, et al. Zentralbl Phlebol 10:116-20, 1971 (Ger)
[pH measurements of granulation tissue for simple skin transplantation] Glinz W. Zentralbl Phlebol 10:105-13, 1971 (Ger)
[Necrosis of a skin transplant after an insect bite (case report)] Piccoli E. Arch Putti Chir Organi Mov 24:390-2, 1969 (Ita)
[Changes of the hematic level of complement in animals with skin homografts] Di Perri T, et al. Boll Soc Ital Biol Sper 45:680-2, 31 May 69 (Ita)
[Changes of the hematic level of complement in animals with skin homografts treated with heparin and protamine sulfate] Di Perri T, et al. Boll Soc Ital Biol Sper 45:682-5, 31 May 69 (Ita)
[The importance of immobilization for tubular pedicled grafts in crossed-leg position] Lupia V, et al. Fracastoro 62:47-53, Jan-Feb 69 (Ita)
[Attempts at the induction of specific tolerance] Fontana G, et al. G Batteriol Virol Immunol 63:499-501, Sep-Oct 70 (Ita)
[On the relationships between macrophages and lymphocytes in homografts of human skin. Electron microscopic study] Allegra F, et al. G Ital Dermatol 46:167-8, Apr 71 (Ita)
[Experimental research on cutaneous autografts in man. Observations on the behavior of the autograft in allergic contact eczema. V] Fiarer F, et al. G Ital Dermatol 44:473-5, Sep 69 (Ita)
[The retroauricular free graft in dermatological surgery in the face] Leigheb G, et al. G Ital Dermatol 44:352-5, Jul 69 (Ita)
[The prethoracic tubular graft in dermatological plastic surgery] Mazzocchi S, et al. G Ital Dermatol 44:356-62, Jul 69 (Ita)
[Use of flat thoraco-abdominal flaps in the repair of extensive cutaneous lesions of the lower limbs] Barberis ML, et al. Minerva Chir 25:174-80, 15 Feb 70 (Ita)
[Behavior of skin homografts in animals treated with specific tissue antigens] Bernardini A, et al. Minerva Chir 26:745-7, 15 Jul 71 (Ita)
[Plastic reconstruction of postoperative pharyngostomas following resection of laryngeal neoplasms] Bonola A. Minerva Chir 25:1121-9, 31 Aug 70 (Ita)
[2 cases of traumatic avulsion of the penoscrotal integument] Calzolari L, et al. Minerva Chir 25:1115-20, 31 Aug 70 (Ita)
[Spongostan film in plastic surgery] Fabri S. Minerva Chir 26:193-200, 28 Feb 71 (Ita)
[Ehlers-Danlos syndrome. Considerations on a family group] Fenili O, et al. Minerva Chir 25:1130-6, 31 Aug 70 (Ita)
[Treatment of radiation-induced cutaneous lesions of the popliteal region with suprapatellar tubular flap] Fontana PF, et al. Minerva Chir 25:1011-5, 31 Jul 70 (Ita)
[Behavior of skin homografts associated with liver homotransplants in swine] Galmarini D, et al. Minerva Chir 26:742-4, 15 Jul 71 (Ita)
[Survival of skin homografts in patients with jaundice] Micali G, et al. Minerva Chir 26:748-50, 15 Jul 71 (Ita)
[The repair of apical lesions of the fingers] Taideili Palmizi G, et al. Minerva Chir 25:1016-21, 31 Jul 70 (Ita)
[Current trends in the treatment of chronic post-traumatic osteitis and osteomyelitis] Teich-Alasia S, et al. Minerva Chir 25:857-77, 30 Jun 70 (Ita)
[Real tumor in Recklinghausen's disease. Surgical repair by superimposed skin flaps] Tobia L. Minerva Chir 25:167-73, 15 Feb 70 (Ita)
[The action of sodium chondroitin sulfate on the evolution of skin homografts in rats] Mussa A. Minerva Med 61:5312-9, Nov 70 (Ita)
[Tegumentary repair of lesions of the hand] Bajardi A, et al. Minerva Ortop 20:14-21, Jan-Feb 69 (Ita)
[Triangular cutaneous grafts in repair of the surfaces of amputation of the distal end of the finger] Negri L, et al. Minerva Ortop 21:38-42, Jan 70 (Ita)
[Reactivation of the immune response of the lymph nodes to the skin allograft in rabbits treated with 6-mercaptopurine] Laurentaci G, et al. Omnia Med Ther 48:349-60, Jul-Sep 70 (Ita)
[Analysis of the rejection reaction of skin homografts. Inhibition of the delayed hypersensitivity reaction by periomodermal injections of homo-specific lymphoreticular tissue homogenate, in the guinea pig] Craviotto C, et al. Riv Anat Patol Oncol 35:281-91, 1969 (Ita)
[Sliding skin graft method for postoperative anal complications, especially rectal mucous membrane prolapse and anus constriction] Okada M, et al. J Jap Soc Coloproctol 24:27-8, Jul 71 (Jap)
[Two-point discrimination on various type of skin graft to hand and foot] Takara K. J Kumamoto Med Soc 45:94-121, 25 Jan 71 (Jap)
[Bipedicle abdominal jump flap (Fujino-Harashina method)] Fujino T. Jap J Plast Reconstr Surg 13:389-95, Sep 70 (Jap)
[Skin graft of the eyelid. 1] Harii K, et al. Jap J Plast Reconstr Surg 14:257-62, May 71 (Jap)
[Skingraft forceps with fixation hooks] Hayashi K, et al. Jap J Plast Reconstr Surg 13:450-1, Sep 70 (Jap)
[Tubed pedicle flap] Hirayama T, et al. Jap J Plast Reconstr Surg 13:474-80, Nov 70 (Jap)
[Application of the flap from the trunk] Hirayama T. Jap J Plast Reconstr Surg 13:403-9, Sep 70 (Jap)
[Total plastic surgery of the external nose by the tubed pedicle flap technic: L-shaped transfer of the tubed flap (Takahashi's method)] Iida O. Jap J Plast Reconstr Surg 13:486-92, Nov 70 (Jap)
[Surgery in a rare case of congenital skin defect by autologous and homologous transplantation] Iso R. Jap J Plast Reconstr Surg 14:325-9, Jul 71 (Jap)
[Transfer of the tubed pedicle flap] Kojima K. Jap J Plast Reconstr Surg 13:493-9, Nov 70 (Jap)
[Simple mesh dermatome] Kojima K, et al. Jap J Plast Reconstr Surg 14:269-70, May 71 (Jap)
[Reconstruction of the fingers using flaps from the trunk] Kojima T, et al. Jap J Plast Reconstr Surg 14:234-50, May 71 (Jap)
[Jump flap from the abdominal region for reconstruction of the knee] Kurata K. Jap J Plast Reconstr Surg 13:416-22, Sep 70 (Jap)
[Design and construction of the tubed pedicle flap] Mae K, et al. Jap J Plast Reconstr Surg 13:469-73, Nov 70 (Jap)
[Changes in the design of various types of flaps from the trunk] Nanba K. Jap J Plast Reconstr Surg 13:383-8, Sep 70 (Jap)
[Biological reaction of pedicled skin flap, passive cutaneous anaphylaxis] Nishioka K, et al. Jap J Plast Reconstr Surg 14:233-8, Jul 71 (Jap)
[Successful flap construction in the trunk] Obara K, et al. Jap J Plast Reconstr Surg 13:396-402, Sep 70 (Jap)
[Construction of the tubed pedicle flap and transfering technics] Oura T. Jap J Plast Reconstr Surg 13:453-6, Nov 70 (Jap)
[Indication for the tubed neck flap technic] Shioya N, et al. Jap J Plast Reconstr Surg 13:481-5, Nov 70 (Jap)
[Delay in transfer of the flap constructed in the trunk] Shioya N. Jap J Plast Reconstr Surg 13:423-8, Sep 70 (Jap)
[Practical guide for the tubed pedicle flap reconstruction] Soeda S. Jap J Plast Reconstr Surg 13:457-63, Nov 70 (Jap)
[Practical guide for the reconstructive surgery with the tubed pedicle flap] Takahashi R, et al. Jap J Plast Reconstr Surg 13:500-10, Nov 70 (Jap)
[Reconstruction of the intraoral mucosa membrane with the tubed pedicle flap] Takahashi R, et al. Jap J Plast Reconstr Surg 13:511-6, Nov 70 (Jap)
[Application of the flap from the trunk--methods of transfer] Tani T. Jap J Plast Reconstr Surg 13:410-5, Sep 70 (Jap)
[Tubed pedicle flap reconstruction] Yamashita M. Jap J Plast Reconstr Surg 13:464-8, Nov 70 (Jap)
[Statistical analysis of the tubed pedicle flap reconstruction at our department] Yano K, et al. Jap J Plast Reconstr Surg 13:517-22, Nov 70 (Jap)
[Problems in skin grafting of the palm in children] Ito T. Orthop Surg (Tokyo) 21:928-36, Oct 70 (Jap)
[Theory and practice of Abbe flap. I] Hirayama T. Otolaryngology (Tokyo) 43:61-9, Jan 71 (Jap)
[Skin graft] Morotomi T, et al. Shujutsu 25:787-98, Jul 71 (Jap)
[Sliding skin graft for postoperative anal stricture and rectal prolapse] Okada M, et al. Shujutsu 25:823-30, Jul 71 (Jap)
[Evaluation of dermal overgrafting] Tsukada S, et al. Shujutsu 25:159-63, Feb 71 (Jap)
[Plastic surgery in general surgery departments] Ugland OM. Nord Med 85:605, 13 May 71 (Nor)
[Remote results of surgical treatment of pigmented nevi in children using a free skin graft] Jaworski S, et al. Pol Przegl Chir 43:241-6, Feb 71 (Pol)
[Suitableness of skin for reconstructive surgery on the esophagus] Jezioro Z, et al. Pol Przegl Chir 43:83-91, Jan 71 (Pol)
[General anesthesia for obtaining extensive skin grafts in severely burned patients] Jastrzębski J, et al. Pol Tyg Lek 25:1855-6, 30 Nov 70 (Pol)
[Mesh skin grafts] Nasilowski W, et al. Pol Tyg Lek 25:1848-50, 30 Nov 70 (Pol)
[New modification of free skin grafts: edematous and hypotonic grafts] Ziętkiewicz W. Pol Tyg Lek 25:1843-5, 30 Nov 70 (Pol)
[Pretreated skin grafts] Ziętkiewicz W. Pol Tyg Lek 25:1842-3, 30 Nov 70 (Pol)
[Reaction to skin homografts in thymectomized rats] Abuladze AV. Biull Eksp Biol Med 67:72-4, 1969 (Rus)
[Skin homografts treated with weak formaldehyde solutions] Feigel'man SS, et al. Biull Eksp Biol Med 70:92-4, Aug 70 (Rus)
[The cytotoxic action of the spleen cells of irradiated and non-irradiated rabbits] Klemparskaia NN, et al. Biull Eksp Biol Med 65:48-51, Apr 68 (Rus)
[Participation of posterior hypothalamic centers in the mechanism of fresh skin homotransplant rejection] Mikhailov VV, et al. Biull Eksp Biol Med 66:37-41, Sep 68 (Rus)
[Specific suppression of transplantation immunity in rabbits with antisera of donors immunized by recipient leukocytes] Novikov DK, et al. Biull Eksp Biol Med 70:82-5, Nov 70 (Rus)
[Use of the graft vs host reaction for specific depression of homotransplantation immunity in adult mice] Semenkov VF. Biull Eksp Biol Med 70:78-81, Jul 70 (Rus)
[Autotransplant rejection following sensitization of the body by various microbial antigens] Zubzhitskii IuN, et al. Biull Eksp Biol Med 65:107-10, Apr 68 (Rus)
[Immunomorphologic reactions during homotransplantation of preserved skin] Artsimovich NG, et al. Dokl Akad Nauk SSSR 195:472-4, 1970 (Rus)
[Correlation between the extent of Trichinella spiralis invasion of mice and transplantation immunity

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

suppression] Cherniakhovskaia IIu, et al.
Dokl Akad Nauk SSSR 196:1490-2, 21 Feb 71 (Rus)
[Completeness of skin regeneration on rabbit cochleas following homotransplant removal] Efimov EA, et al.
Dokl Akad Nauk SSSR 189:219-21, Nov-Dec 69 (Rus)
[Possibility of obtaining tolerance to skin homotransplants in the offspring of animal parabionts] Khundanov LL, et al.
Dokl Akad Nauk SSSR 195:1450-2, 1970 (Rus)
[Effect of damage to the hypothalamus on immunological indices during induced rejection of autotransplants] Korneva EA, et al.
Dokl Akad Nauk SSSR 186:215-8, May-Jun 69 (Rus)
[Suppression of transplantation immunity in mice infected by Trichinella spiralis] Svet-Moldavskiĭ GIa, et al. Dokl Akad Nauk SSSR 190:999-1000, Feb 70 (Rus)
[Effect of 6-mercaptopurine on the intensity of protein synthesis in the blood and organs of rats with skin homografts] Petrova II.
Farmakol Toksikol 33:595-7, Sep-Oct 70 (Rus)
[Early necrectomy with autoplasty in deep burns] Dodeliia VG. Khirurgiia (Mosk) 46:105-7, Sep 70 (Rus)
[Use of dimethyl sulfoxide (DMSO) in dermoplastic surgery] Kamaev MF.
Khirurgiia (Mosk) 46:107-9, Sep 70 (Rus)
[Hompplasty of burn wounds with cadaver skin of fetuses] Semichastnyĭ AI.
Khirurgiia (Mosk) 22:32-8, Apr 69 (Rus)
[Method of forming a doubled skin flap] Zav'ialov PV.
Khirurgiia (Mosk) 46:102-5, Sep 70 (Rus)
[Free skin autoplasty in fresh finger injuries] Bogdanov EA. Klin Khir 10:64-7, Oct 69 (Rus)
[Restoration of feeling in skin autotransplants transplanted to the hand and fingers] Matchin AA. Klin Khir 8:57-8, Aug 70 (Rus)
[Technic of pedunculated skin homotransplantation] Rudenko FV. Klin Khir 4:30-4, Apr 70 (Rus)
[Preparation of extensive burn wounds for skin transplantation using hyaluronic acid] Vilesov SP, et al. Klin Khir 9:71, Sep 70 (Rus)
[Histomorphological tests in autologous free skin transplantation with the use of various tissue adhesives] Stepanok EG, et al.
Oftalmol Zh 25:439-42, 1970 (Rus)
[Free skin grafting in surgical correction of cicatricial hand deformities] Andruson MV.
Ortop Travmatol Protez 32:1-6, Apr 71 (Rus)
[Indications for skin rtransplantation on a wide nourishing pedicle in injuries to the hand] Dmitrieva ZE, et al.
Ortop Travmatol Protez 31:45-8, Aug 70 (Rus)
[Free skin plastic surgery in frostbite] Klintsevich GN.
Ortop Travmatol Protez 31:42-5, Aug 70 (Rus)
[Prognostication of the outcome of skin autotransplantation in burn patients] Shalimov AA, et al. Ortop Travmatol Protez 31:8-13, Aug 70 (Rus)
[Phenomenon of viral heterogenization of the skin] Deĭchman GI, et al.
Vestn Akad Med Nauk SSSR 26:23-7, 1971 (Rus)
[Skin and transplant reaction in mice to the introduction of lymphoid cells of a donor sensitized with inducing microbial antigens] Ogurtsov RP, et al. Vestn Akad Med Nauk SSSR 26:22-5, 1971 (Rus)
[Weight changes in skin autotransplants under local hypothermic conditions] Balon LR, et al.
Vestn Khir 105:98-102, Dec 70 (Rus)
[Functional state and morphological changes in skin grafts following plastic surgery on the hand] Beloglïadova NI. Vestn Khir 106:91-7, Jan 71 (Rus)
[Characteristics of surgery in deep burns of the lower extremities] Bugïaev AI, et al.
Vestn Khir 105:109-13, Nov 70 (Rus)
[Homodermotransplantation in the treatment of burns] Burmistrov VM.
Vestn Khir 105:66-71, Jul 70 (Rus)
[Treatment of trophic ulcers of the lower extremities by a vacuum method and free skin plastic surgery] Demidov PP. Vestn Khir 105:80-2, Sep 70 (Rus)
[Effect of the length of time removed from the medium on the viability of lyophilized skin] Donetskiĭ DA, et al. Vestn Khir 103:74-6, Jun 69 (Rus)
[Plastic surgery of skin with small transplants in extensive deep burns] Emel'ianov VA.
Vestn Khir 105:77-9, Jul 70 (Rus)
[Free skin graft in surgical treatment of skin hemangiomas in children] Golovatiuk LE.
Vestn Khir 105:110-1, Aug 70 (Rus)
[Treatment of chronic hematogenous osteomyelitis of the tibia] Kel' EN. Vestn Khir 105:91-5, Sep 70 (Rus)
[Plastic surgery of the skin in the area of the patella in frostbite] Klintsevich GN.
Vestn Khir 104:81-3, Mar 70 (Rus)
[Free skin autografts in the treatment of chronic purulent processes] Kozlov MA.
Vestn Khir 106:97-9, Jan 71 (Rus)
[Plastic surgery with retrograde triangular grafts in the surgery of burns] Krylov KM.
Vestn Khir 104:83-5, Mar 70 (Rus)
[Plastic repair of the skin in the treatment of ulcers of the lower extremities in patients with endarteritis obliterans] Lytkin MI, et al.
Vestn Khir 103:76-82, Jun 69 (Rus)
[Improved construction of a dermatome with manual drive] Reut NI. Vestn Khir 106:134-5, Jan 71 (Rus)
[Method of restoring a scarred conjunctival cavity] Rubinchik LZ. Vestn Oftalmol 2:30-3, 1971 (Rus)
[Plastic surgery of the postoperative cavity with a skin-periosteal flap in radical surgery on the ear] Dmitriev NS.
Vestn Otorinolaringol 33:31-5, Jan-Feb 71 (Rus)
[Combination of local and peduncular skin plastic surgery in pharygeal anterior wall defects] Vilesov SP, et al.
Vestn Otorinolaringol 33:92-6, Jan-Feb 71 (Rus)
[Surgical restoration of the skin in frostbite] Klintsevich GN. Voen Med Zh 1:38-43, Jan 71 (Rus)
[Use of plastic surgery of the skin in treatment of gunshot-, and post-traumatic osteomyelitis] Petrov VI, et al. Voen Med Zh 11:24-6, Nov 70 (Rus)
[The effect of Ehrlich tumor on allogenic skin transplantation in mice] Belokhvostov AS.
Vopr Onkol 16:61-5, 1970 (Rus)
[Primary autoplasty in the treatment of skin cancer] Mamchenko NS. Vopr Onkol 16:80, 1970 (Rus)
[Latent virus of C57BL-6J mice heterogenizing the skin] Lioxner AL, et al.
Vopr Virusol 16:215-21, Mar-Apr 71 (Rus)
[Surgical treatment of baldness] Martinez Sahuquillo A, et al.
Actas Dermosifiliogr 61:107-16, Mar-Apr 70 (Spa)
[Histobacteriologic study of lepromatous tissue graft in rats on pro-oxidant diets] Bergel M.
Arch Argent Dermatol 18:315-28, Dec 68 (Spa)
[Experiments with skin tubes in animals] Holmström H, et al. Nord Med 84:1379, 22 Oct 70 (Swe)
[Biological bandages. Theory] Körlof B, et al.
Nord Med 84:1382, 22 Oct 70 (Swe)
[Biological dressing. Theory, production and use] Körlof B, et al. Nord Med 86:909-10, 29 Jul 71 (Swe)
[Biological bandages, effect on skin evaporization] Lamke LO, et al. Nord Med 84:1382, 22 Oct 70 (Swe)
[Biological dressing. Effect on skin evaporation] Lamke LO, et al. Nord Med 86:910, 29 Jul 71 (Swe)
Postoperative skin defects above the Achilles tendon] Nylén B, et al. Nord Med 84:1380-1, 22 Oct 70 (Swe)
[Sympathic denervation of skin blood vessels after surgery] Palmer B, et al.
Nord Med 84:1379, 22 Oct 70 (Swe)
[Technic of production and use of biological bandages] Simoni E, et al. Nord Med 84:1382, 22 Oct 70 (Swe)
[Treatment of baldness by skin transplantation] Vukas A. Lijec Vjesn 92:75-9, 1970 (Cro)

SKIN ABSORPTION (G1)

Patch testing and absorption of chromium. Pedersen NB, et al. Acta Derm Venereol (Stockh) 50:431-4, 1970
Vehicle role of petrolatum. Absorption studies with metallic test compounds in guinea pigs. Wahlberg JE. Acta Derm Venereol (Stockh) 51:125-34, 1971
Percutaneous absorption of boric acid from boron-containing preparations in rats. Nielsen GH. Acta Pharmacol Toxicol (Kbh) 28:413-24, 1970
Percutaneous absorption following topical application of neomycin. Panzer JD, et al.
Arch Dermatol 102:536-9, Nov 70
Absorption of pesticides in a chronic skin disease. Starr HG Jr, et al. Arch Environ Health 22:396-400, Mar 71
Role of fetal skin in circulation of amniotic fluid. Bor NM, et al. Arch Int Physiol Biochim 78:69-78, Feb 70
Quantitative and radioautographic studies on the penetration kinetics of 9alpha-fluoro-16-methylene-prednisolone-21-acetate-7-T in human skin. Hopsu-Havu VK, et al.
Arch Klin Exp Dermatol 239:252-65, 1970
Absorption-inhibiting effect of barrier creams. Wahlberg JE. Berufsdermatosen 19:197-207, Aug 71
Percutaneous absorption of 1-naphthaol-(14 C) in man. Harkness RA, et al. Br J Dermatol 85:30-4, Jul 71
Evaluation of exposure to phenol: absorption of phenol vapour in the lungs and through the skin and excretion of phenol in urine. Piotrowski JK. Br J Ind Med 28:172-8, Apr 71
Cutaneous absorption and urinary excretion of 6-14C-5-fluorouracil ointment applicated in an ointment to healthy and diseased human skin. Erlanger M, et al. Dermatologica 140:Suppl 1:7-14, 1970
On the origin of urocanic acid in the horny layer. Smeenk G, et al. Dermatologica 141:303-8, 1970
Percutaneous absorption of trivalent and hexavalent chromium (51Cr) through excised human and guinea pig skin. Wahlberg JE. Dermatologica 141:288-96, 1970
Exanthem due to contact allergen (benzoin) absorbed through skin. Spott DA, et al.
Dokl Akad Nauk SSSR 184:1481-2, 21 Jan 69
Activation of sodium transport across biological membranes. Dalton T, et al.
Experientia 27:244-5, 15 Mar 71
Skin absorption of plutonium in DMSO solution. Watters RL, et al. Health Phys 19:318-20, Aug 70
Absorption, excretion, and biotransformation of dimethyl sulfoxide in man and miniature pigs after topical application as an 80 per cent gel. Wong KK, et al. J Invest Dermatol 56:44-8, Jan 71
pH effects on salicylate absorption from hydrophilic ointment. Marcus F, et al.
J Pharm Sci 59:1616-20, Nov 70
Exanthem due to contact allergen (benzoin) absorbed through skin. Spott DA, et al.
JAMA 214:1881-2, 7 Dec 70
Dermal absorption of hexochlorophane in infants. Curley A, et al. Lancet 2:296-7, 7 Aug 71
The absorption of topical corticosteroids, with particular reference to percutaneous absorption in infancy and childhood. Keipert JA.
Med J Aust 1:1021-5, 8 May 71 (37 ref.)
Water-holding lipid and water transmission through homeothermic and poikilothermic skins. Jelenko C 3d, et al. Proc Soc Exp Biol Med 136:1059-62, Apr 71
Systemic absorption of topically applied hyperbaric oxygen. Gruber RP, et al.
Tex Rep Biol Med 28:547-52, Winter 70
Absorption of unsymmetrical dimethylhydrazine (UDMH) through canine skin. Smith EB, et al.
Toxicol Appl Pharmacol 18:849-59, Mar 71
Correlation of 4-hour vs. 24-hour contact skin penetration toxicity in the rat and rabbit and use of the former for predictions of relative hazard of pesticide formulations. Weil CS, et al.
Toxicol Appl Pharmacol 18:734-42, Mar 71
[Percutaneous penetration of 2-cyclohexyl 4-iodo 3-5-dimethyl phenol in the rabbit] Traverso H, et al.
Agressologie 11:489-93, 1970 (Fre)
[Influence of the excipient on the absorption of glycol salicylate administered in ointments by cutaneous and rectal routes] Febvre P, et al.
C R Soc Biol (Paris) 164:1700-5, 1970 (Fre)
[Demonstration of the transcutaneous penetration of electrolytes with radioactive tracers. Distribution in the organism; quantitative data] Dubarry JJ, et al.
Presse Therm Climat 108:1-8, 1971 (Fre)
[Radioautographic study by the detached pellicle method of the radioactivity phenomenons in tissues of guinea pigs treated with mud baths with addition of sodium sulfide (Na 2 S 35) labeled with radioactive sulfur S 35] Majewski C, et al.
Presse Therm Climat 108:9-12, 1971 (Fre)
[Determination of the depth activity of externally applied drugs] Arnold M.
Arzneim Forsch 21:929-33, Jul 71 (Ger)
[Studies on absorption of salicylates. 2. Percutaneous absorption of salicylic acid 2'-hydroxyethyl ester following topic administration] Pütter J.
Arzneim Forsch 20:1721-3, Nov 70 (Ger)
[Methodical study on the penetration into stratum corneum of oils and fats used in the manufacture of protective skin ointments and cosmetics] Jacobi O.
Berufsdermatosen 19:207-15, Aug 71 (Ger)
[Adsorption of bath oils on the skin] Tronnier H.
Cosmetologica 19:151-7, 20 May 70 (Ger)
[Percutaneous poisoning by resorcinol, salicylic acid and white precipitated ointment] Wüthrich B, et al.
Pharm Acta Helv 45:453-60, Jul 70 (Ger)
[Intracutaneous hormone therapy activates local blood flow] Heynen U.
Z Allgemeinmed 46:1043-4, 20 Jul 70 (Ger)
[Percutaneous absorption of 32P-trichlorophon and 32P-dimethoate in sheep] Dedek W, et al.
Z Naturforsch [B] 25:1193-4, Oct 70 (Ger)
[Permeation of thiourea and ethylene glycol through the isolated skin of Rana esculenta. Effects of changes of pH] Storelli C, et al.
Boll Soc Ital Biol Sper 45:1601-2, 31 Dec 69 (Ita)
[Change in vital dye reabsorption in venous insufficiency of the legs induced by a vasoactive and vasoprotective drug] Rizzi B, et al.
Minerva Cardioangiol 19:216-27, Apr 71 (Ita)
[Absorption of hormones and vitamins by the capillaries of the mucous membrane and the skin. Clinical use] Whitaker JG.
Rev Bras Med 27:441-4, Sep 70 (Por)
[Contamination of protective clothing and skin of workers engaged in the production of metaphos and chlorophos] Trefilov VN, et al.
Gig Tr Prof Zabol 15:51-3, 1971 (Rus)
[Distribution of plutonium 239 in intact skin following its surface contamination] Ershov EB, et al.
Med Radiol (Mosk) 15:44-6, Dec 70 (Rus)
[Passage of fibrinogen and blood serum proteins through tissue barriers in patients with pulmonary tuberculosis] Karachunskiĭ MA, et al.
Probl Tuberk 48:33-6, 1970 (Rus)
[Unilateral permeability of the skin to ions of certain metals] Kolpakov FI.
Vestn Dermatol Venerol 44:16-9, Jul 70 (Rus)
[Penetration of iron salts into the skin from applications of peloids and artificial solutions] Soldatov VV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:446-9, Sep-Oct 70 (Rus)
[Percutaneous absorption of 5-fluorouracil] Gonzñez Ochoa A, et al.
Int J Dermatol 10:139-44, Apr-Jun 71 (Spa)

DRUG EFFECTS

[Hormonal factors in the hydration of the horny layer of the skin] Caccialanza P.
G Ital Dermatol 46:128, Mar 71 (Ita)
[Effects of adrenaline and gamma radiation on the active transport of sodium in frog skin] Lopez Zumel

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

MC, et al.
Arch Inst Farmacol Exp (Madr) 21:1-10, 1969 (Spa)

RADIATION EFFECTS

[Skin penetration by inert gases] Ojeda F.
Strahlentherapie 140:605-9, Nov 70 (Ger)
[Effects of adrenaline and gamma radiation on the active transport of sodium in frog skin] Lopez Zumel MC, et al.
Arch Inst Farmacol Exp (Madr) 21:1-10, 1969 (Spa)

SKIN APPENDAGE DISEASES (C12)

Monilethrix. Wennersten G.
Acta Derm Venereol (Stockh) 51:232, 1971
Pili annulati. Musso LA.
Australas J Dermatol 11:67-75, Aug 70
[Interdigital trichogranuloma of hairdressers] Pilotto P, et al. Dermatologica 141:84-8, 1970 (Fre)
[Major peladic onychopathy] Thiers H, et al.
Lyon Med 221:953-4, 20 Apr 69 (Fre)

CLASSIFICATION

[Clinical aspects and histology of lichen planus ruber of the nails] Alkiewicz J, et al.
Arch Klin Exp Dermatol 238:346-55, 1970 (Ger)

COMPLICATIONS

Acquired unilateral vitiligo and poliosis of the head and subacute encephalitis with partial recovery. Neihaus G. Neurology (Minneap) 20:965-74, Oct 70
[Cartilage-hair-hypoplasia] Gelderen HH van.
Ned Tijdschr Geneeskd 115:1261-4, 24 Jul 71 (Dut)

DIAGNOSIS

Peripilar keratin casts. Farb M.
Australas J Dermatol 11:99-100, Aug 70
Peripilar keratin casts. Paver K.
Australas J Dermatol 11:100, Aug 70

DRUG THERAPY

Topical treatment of nail and skin infections with miconazole, a new broad-spectrum antimycotic. Botter AA. Mykosen 14:187-91, 1 Apr 71

ETIOLOGY

[Bazex's paraneoplastic acrokeratosis. Importance of the unqueal lesions. Apropos of 2 cases] Bureau Y, et al. Bull Soc Fr Dermatol Syphiligr 78:79-82, 1971 (Fre)
[Peripilar sliding sheaths] Graciansky P de, et al.
Bull Soc Fr Dermatol Syphiligr 78:15-6, 1971 (Fre)

MICROBIOLOGY

The effects of selenium and tellurium compounds on pigmentation of granules of Trichomycosis axillaris. Duncan WC, et al. Int J Dermatol 9:226-31, Jul-Sep 70

PATHOLOGY

Hair destroying growth of Corynebacterium tenuis in the so-called trichomycosis axillaris. New findings from scanning electron microscopy. Orfanos CE, et al.
Arch Dermatol 103:632-9, Jun 71
Multiple acral fibrokeratomas (a variant of prurigo nodularis). Discussion of classification of acral fibrous nodules and of histogenesis of acral fibrokeratomas. Reed RJ, et al. Arch Dermatol 103:287-97, Mar 71
[Nail changes in Reiter's disease] Sturde HC.
Hautarzt 22:353-4, Aug 71 (Ger)

THERAPY

Trichostasis spinulosa and its management. Sarkany I, et al. Br J Dermatol 84:311-5, Apr 71

SKIN DISEASES (C12)

Alopecia areata in association with intestinal polyposis. The relationship of two syndromes--Gardner's and Cronkhite--Canada. Izumi AK, et al.
Acta Derm Venereol (Stockh) 50:381-4, 1970
Unusual granulomas of the skin seen in Lebanon. Kaidbey KH, et al.
Acta Derm Venereol (Stockh) 51:225-31, 1971
Acute febrile neutrophilic dermatosis (Sweet's syndrome). Goldman GC, et al.
Arch Dermatol 103:654-60, Jun 71
Sweet's syndrome (acute febrile neutrophilic dermatosis). Report of a case. Shapiro L, et al.
Arch Dermatol 103:81-4, Jan 71
Reactive perforating collagenosis. Weiner AL.
Arch Dermatol 102:540-4, Nov 70
Primary macular atrophy.
Arch Dermatol 102:577-8, Nov 70
Review of the German dermatological literature 1968. Balda BR, et al.
Br J Dermatol 83:506-12, Oct 70 (57 ref.)
Review of the German dermatological literature 1969. Balda BR, et al.
Br J Dermatol 84:487-93, May 71 (42 ref.)
Granuloma pyogenicum. Hare PJ.
Br J Dermatol 83:513-5, Oct 70 (14 ref.)
Follicular mucinosis. Hargreaves GK.
Br J Dermatol 84:193, Feb 71
Ulcerative dermal necrosis (UDN) of salmon: description, aetiology and differential diagnosis. Carbery JI. Bull Off Int Epizoot 69:1401-10, Sep-Oct 68
Important advances in clinical medicine. Epitomes of progress--dermatology. Calif Med 113:39-43, Oct 70
Pemphigus and pemphigoid: some current concepts. Hurst HG.
Can Med Assoc J 103:1279-82, 5 Dec 70 (24 ref.)
Lichen amyloidosus: a case report. Banerjee BN, et al.
Int J Dermatol 9:290-2, Oct-Dec 70
Twenty-five years of dermatovenereology in India. A review. Desai SC.
J Assoc Physicians India 18:135-53, Jan 70
The experimental induction of superficial cutaneous infection in guinea pigs. Jordan WE.
J Invest Dermatol 55:149-52, Aug 70
Persistent cutaneous fistulas of dental origin in children: report of two cases. Christen AG.
J Pediatr 79:51-4, Jul 71
Neonatal dermatology. II. Blistering and scaling dermatoses. Esterly NB, et al.
J Pediatr 77:1075-88, Dec 70 (55 ref.)
Skin problems of school age children and youth--a nursing responsibility? Bryan DS.
J Sch Health 40:437-9, Oct 70
Xerosis (asteotosis). Bamshad J.
Mo Med 67:599 passim, Aug 70
Necrobiosis lipoidica diabeticorum. Alsop JA.
Nurs Times 67:168-70, 11 Feb 71
Neonatal dermatology. Hodgman JE, et al.
Pediatr Clin North Am 18:713-56, Aug 71
Connective tissue diseases. Tuffanelli DL, et al.
Pediatr Clin North Am 18:925-51, Aug 71
Skin disorders in pregnancy. McKenzie AW.
Practitioner 206:773-80, Jun 71 (36 ref.)
Skin hazards on holiday. Scott O.
Practitioner 206:589-94, May 71
A simple device to control drainage from enterocutaneous fistulas. Suriyapa C, et al.
Surgery 70:455-8, Sep 71
Lichen sclerosus et atrophicus. Wallace HJ.
Trans St Johns Hosp Dermatol Soc 57:9-30, 1971
[Progressive idiopathic atrophodermia and related states] Pierini LE, et al.
Ann Dermatol Syphiligr (Paris) 97:391-416, 1970 (Fre)
[Reticulohistiocytoma (giant histiocytic cell reticulomatosis of the skin and synovials)] Basset A, et al.
Arch Belg Dermatol Syphiligr 26:145-51, 1970 (Fre)
[Acute febrile neutrophilic dermatitis of Sweet's syndrome] Bourlond A, et al.
Arch Belg Dermatol Syphiligr 26:185-91, 1970 (Fre)
[Lichen sclerosus et atrophicus] Hadida E, et al.
Arch Belg Dermatol Syphiligr 26:311-35, Jul-Sep 70 (Fre)
[On metabolic disorders in a patient with scleromyxedema] Lapiere CM, et al.
Arch Belg Dermatol Syphiligr 25:349-52, 1969 (Fre)
[Amyloid lichen] Alexander S.
Bull Soc Fr Dermatol Syphiligr 77:707-9, 1970 (Fre)
[Amyloid lichen] Black M.
Bull Soc Fr Dermatol Syphiligr 77:709-11, 1970 (Fre)
[Cutaneous and vulvar endometriosis] Duperrat B, et al.
Bull Soc Fr Dermatol Syphiligr 77:673-84, 1970 (Fre)
[Hansen's disease. Major tuberculoid type in the subacute reactivation phase] Girard J, et al.
Bull Soc Fr Dermatol Syphiligr 76:158-9, 1969 (Fre)
[Incontinentia pigmenti achromians of Ito. Clinical, histopathological and ultrastructural study] Grosshans E, et al.
Bull Soc Fr Dermatol Syphiligr 77:880-1, 1970 (Fre)
[Cutaneous porphyria in adults] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:181, 1969 (Fre)
[Cutaneous and pulmonary histiocytosis X in adults] Lèques B, et al.
Bull Soc Fr Dermatol Syphiligr 78:57-9, 1971 (Fre)
[3 cases of anthrax] Massé R, et al.
Bull Soc Fr Dermatol Syphiligr 76:143-4, 1969 (Fre)
[Focal dermal hypoplasia] Stewart WM, et al.
Bull Soc Fr Dermatol Syphiligr 76:328-33, 1969 (Fre)
[Mutilating aphthosis of the soft palate. Apropos of 2 cases, one with muco-adhering atrophy of the labial commissures] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:709-11, 1969 (Fre)
[Incontinentia pigmenti: presentation of a case in a 3-year-old black African] Faye I, et al.
Bull Soc Med Afr Noire Lang Fr 14:118-9, 1969 (Fre)
[Associated conjunctival and diffuse cutaneous telangiectasia] Paufique L, et al.
Bull Soc Ophtalmol Fr 69:663-6, Apr 69 (Fre)
[The skin and pregnancy] Nikolowski W.
Cah Med 12:225-7, 28 Feb 71 (Fre)
[Gastro-pleuro-broncho-cutaneous fistula] Chartier P, et al. Chirurgie 96:841-8, 28 Oct 70 (Fre)
[Cytosteatonecrosis of newborn infants. Apropos of the 2 first cases observed in Reunion] Ringel BJ, et al.
Lille Med 16:570-4, Apr 71 (Fre)
[The cutaneous lesions of sarcoidosis] Colomb D, et al.
Lyon Med 225:967-73, 23 May 71 (Fre)
[Cutaneous manifestations of histiocytosis X] Winkelmann RK.
Poumon Coeur 25:787-803, 1969 (Fre)
[Place of dermatology in day-to-day general practice] Laugier P. Praxis 59:231-2, 17 Feb 70 (Fre)
[Hutchinson's serpiginous angioma] Fasza-Guignard F.
Rev Med Suisse Romande 89:815-27, Aug 69 (Fre)
[Adiponecrosis subcutanea neonatorum--sclerema neonatorum--Buschke's scleredema. Nosography with reference to the literature since 1950] Misgeld V.
Arch Kinderheilkd 183:5-22, May 71 (186 ref.) (Ger)
[Melting points of ether-soluble material from the human skin surface (controls and hyperkeratotic dermatoses)] Suliman Z, et al.
Arch Klin Exp Dermatol 239:107-24, 1970 (Ger)
[So-called pseudo-cicatrices stellaires spontanées] Braun-Falco O, et al. Hautarzt 21:509-13, Nov 70 (Ger)
[What's new in American dermatology. 2] Hollander A.
Hautarzt 21:485-90, Nov 70 (88 ref.) (Ger)
[Dermatological news from America. I] Hollander A.
Hautarzt 21:437-43, Oct 70 (Ger)
[Impressions of a journey in the Soviet Union] Klingmüller G. Hautarzt 22:308-12, Jul 71 (Ger)
[Occupational marks on the skin] Ronches F.
Munch Med Wochenschr 113:Suppl 4:2, 22 Jan 71 (Ger)
[Present-day tasks of dermatology] Schuppli R.
Praxis 60:1091-2, 17 Aug 71 (Ger)
[Some aspects of modern dermatology] Kresbach H.
Wien Klin Wochenschr 83:318-22, 7 May 71 (Ger)
[Auto-aggressive diseases of the skin] Marghescu S.
Wien Med Wochenschr 120:779-84, 7 Nov 70 (Ger)
[Thibièrge-Weissenbach syndrome] Schmoller H.
Wien Med Wochenschr 121:318-20, 10 Apr 71 (Ger)
[Case report on subcorneal Sneddon-Wilkinson pustulosis] Barth J, et al.
Z Haut Geschlechtskr 45:233-40, 15 Mar 70 (Ger)
["Subcorneal pustulosis"] Higoumenakis KG.
Z Haut Geschlechtskr 45:333-40, 15 Apr 70 (Ger)
[Gout in dermatology] Motawakel AG.
Z Haut Geschlechtskr 44:895-8, 15 Oct 69 (Ger)
[Thibierge-Weissenbach syndrome. Raynaud's phenomenon, circumscribed calcinosis, scleroderma] Montori A, et al. Ann Ital Chir 45:366-90, 1969 (Ita)
[Nautical sports and dermatologic diseases] Sabatini C.
Ann Med Nav (Roma) 74:155-62, Mar-Apr 69 (Ita)
[Porphyria cutanea tarda and thalassemia minor. On a clinical case] Amerio PL, et al.
G Ital Dermatol 45:270-4, Apr 70 (Ita)
[On a case of recurrent amicrobial pustulosis] Catrani GM. G Ital Dermatol 45:570-4, Oct 70 (Ita)
[Surgical therapy of nodular chondrodermatitis of the helix of the ear] Cutrone P.
G Ital Dermatol 45:576-83, Oct 70 (Ita)
[Cryptococcus neoformans and skin. I. Ecology of Cryptococcus neoformans] Leone R.
G Ital Dermatol 44:380-6, Aug 69 (Ita)
[Cryptococcus neoformans and skin. 3. Clinical and experimental observations] Leone R.
G Ital Dermatol 45:289-334, May 70 (Ita)
[Presentation of clinical cases] Mezzadra G, et al.
G Ital Dermatol 46:156-66, Apr 71 (Ita)
[Primary systemic amyloidosis. On a case with predominantly lingual localization] Sartoris S, et al.
G Ital Dermatol 44:338-43, Jul 69 (Ita)
[Medical thermography in the study of the clinical and physiopathological aspects of dermatology] Poy C, et al. Minerva Med 61:4127-35, 22 Sep 70 (Ita)
[Dermatological aspects of cutaneous pseudocancerosis. (Opinion of Professor P. Nazzaro)] Salvati A. Minerva Med 62:1588-91, 14 Apr 71 (Ita)
[Chondrodermatitis helicis as a probable expression of a systemic degenerative process] Tobia L.
Minerva Otorinolaringol 19:33-9, Jan-Feb 69 (Ita)
[Case of arthritis mutilans caused by multicentric reticulohistiocytosis. (Lipoid dermatoarthritis)] Fantini F, et al.
Reumatismo 21:381-90, Nov-Dec 69 (Ita)
[2 cases of granuloma annulare disseminatum] Ogino A, et al. Acta Dermatol (Kyoto) 65:17-29, Feb 70 (Jap)
[Acute febrile mucocutaneous lymphonodus syndrome and sudden death] Kawasaki T.
Acta Paediatr Jap 75:433-4, Jun 71 (Jap)
[Rare case of a more than 14 centimeter-long cutaneous horn of the hair-covered skin of the head] Ptasińska-Urbańska M.
Folia Morphol (Warsz) 29:539-40, 1970 (Pol)
[Rare case of cutis verticis gyrata] Ptasińska-Urbańska M. Folia Morphol (Warsz) 30:135-7, 1971 (Pol)
[Diffuse necrosis of the skin of the thigh in the course of puerperium] Kwapiński Z, et al.
Ginekol Pol 41:1369-74, 1970 (Pol)
[The so-called livedo racemosa syndrome of the skin with cerebral changes] Buksowicz C, et al.
Neurol Neurochir Pol 4:587-90, Sep-Oct 70 (Pol)
[A case of porphyria cutanea tarda sclerodermiformis] Olszewska Z, et al.
Przegl Dermatol 58:59-64, Jan-Feb 71 (Pol)
[Lymphocytic infiltration of the skin] Rocha GL.
An Bras Dermatol 45:105-16, Apr-Jun 70 (Por)
[Relationship of trisymptomatic Gougerot-Dupper's

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

syndrome with Gougerot-Blum's lichenoid purpural pigmented angiodermatitis] Drozdov VV, et al. Vestn Dermatol Venerol 45:64-7, Jan 71 (Rus)
[Some results of the scientific activity of the Chair of Dermatovenereology of the Ternopol' School of Medicine] Glukhen'kif TT, et al. Vestn Dermatol Venerol 44:3-5, Jul 70 (Rus)
[Scientific activity of the Chair of Skin and Venereal Diseases of the Institute of Advanced Training of Physicians during 1964-1969] Kartamyshev AI. Vestn Dermatol Venerol 44:9-14, Feb 70 (Rus)
[Case reports in cornu cutaneum] Kochetov NG. Vestn Dermatol Venerol 44:77-8, Oct 70 (Rus)
[Scientific activity at the Chair of Dermatology and Venereal Diseases of the S.V. Kurashov Medical Institute at Kázan during 1964-1969] Kondrat'ev GG. Vestn Dermatol Venerol 44:3-9, Mar 70 (Rus)
[Experimental study of the toxic properties of the serum of patients with hemorrhagic vasculitis of the skin] Kulaga VV, et al. Vestn Dermatol Venerol 44:20-4, Mar 70 (Rus)
[Scientific achievements of the Ukraine Scientific Research Institute of Dermatology and Venereology] Piatikop AI, et al. Vestn Dermatol Venerol 44:3-7, Aug 70 (Rus)
[Hyde's nodular prurigo] Totoonov BA. Vestn Dermatol Venerol 44:77-8, Feb 70 (Rus)
[Case of Boeck's sarcoidosis of the facial skin and nasal cavity] Minchina RA, et al. Vestn Otorinolaringol 32:97-9, Jul-Aug 70 (Rus)
[A case of anetodermia of Schweninger-Buzzi] Aliaga A, et al. Actas Dermosifiliogr 61:91-3, Mar-Apr 70 (Spa)
[Necrosing livedo reticularis] Arruda S. Angiologia 23:93-102, May-Jun 71 (Spa)
[Disseminated mucinosis (scleromyxedema)] Kriner J, et al. Arch Argent Dermatol 18:241-54, Dec 68 (Spa)
[Lichen nitidus] Kriner J. Arch Argent Dermatol 18:217-27, Dec 68 (Spa)
[Livedo reticularis necrosans] Martorell F. Prensa Med Argent 58:441-3, 30 Apr 71 (Spa)
[Diagnosis and treatment of premalignant lesions of the skin] Morales F, et al. Prensa Med Mex 35:167-70, Mar-Apr 70 (Spa)
[Mucoid cysts of the skin] Vigil Suarez J, et al. Prensa Med Mex 35:353-5, Sep-Oct 70 (Spa)

BLOOD

The association between cutaneous vasculitis and decreased blood fibrinolytic activity. Cunliffe WJ, et al. Br J Dermatol 84:99-105, Feb 71
[A case of IgG cryoglobulinemia with light chains] Duperrat MB, et al. Bull Soc Fr Dermatol Syphiligr 76:144-9, 1969 (Fre)
[Fluctuating phenomena and erythrosedimentation rate in various dermatoses] Varotti C. Arch Ital Dermatol Venereol Sessuol 36:228-38, 1969 (Ita)
[Functional state of the vascular system and electrolyte gradients in biological fluids in patients with dermatoses] Dobrotina NA, et al. Vestn Dermatol Venerol 44:32-6, Nov 70 (Rus)
[The iron saturation of transferrin in eczema and certain other dermatoses] Likhniakevich NV. Vestn Dermatol Venerol 44:32-4, Mar 70 (Rus)

CHEMICALLY INDUCED

Localized skin changes induced by depot injections of vitamin A in the rat. Brown IV, et al. Am J Pathol 64:155-64, Jul 71
Striae. Stroud JD, et al. Arch Dermatol 103:103-4, Jan 71
Generalized paraffinoma (sclerosing lipogranuloma). Urbach F, et al. Arch Dermatol 103:277-85, Mar 71
Drug reactions. XII. Cutaneous reactions to anti-rheumatic drugs. Almeyda J, et al. Br J Dermatol 83:707-11, Dec 70 (49 ref.)
Cutaneous reactions to imipramine and chlordiazepoxide. Almeyda J. Br J Dermatol 84:298-300, Mar 71 (21 ref.)
Ultrastructural morphology and histochemistry (acid phosphatase) of the cutaneous infiltration by polyvinylpyrrolidone. Thivolet J, et al. Br J Dermatol 83:661-9, Dec 70
Accidental vaccination with paraquat. Barber PJ. Br Med J 2:768, 26 Jun 71
In-use evaluation of safety to skin of enzyme-containing washing products. Bolam RM, et al. Br Med J 2:499-501, 29 May 71
Ampicillin rashes in glandular fever. Pullen H. Br Med J 2:653, 12 Jun 71
Livedo reticularis during amantadine treatment. Vollum DI, et al. Br Med J 2:627-8, 12 Jun 71
Skin necrosis associated with warfarin sodium. Martin CM, et al. Calif Med 113:78-80, Nov 70
Local vascular changes induced by the cocarcinogen, phorbol myristate acetate. Janoff A, et al. Cancer Res 30:2568-71, Oct 70
Cutaneous drug reactions. Banerjeee BN, et al. J Indian Med Assoc 54:507-12, 1 Jun 70
Cutaneous drug reactions. Banerjeee BN, et al. J Indian Med Assoc 54:507-12, 1 Jul 70
In vitro studies on granulomatous hypersensitivity to beryllium. Hanifin JM, et al. J Invest Dermatol 55:284-8, Oct 70
Cutaneous side effects of oral contraceptives. Coskey RJ. Mich Med 70:199-200, Mar 71
The histologic effects of four commonly used media for excretory urography and an attempt to modify the responses. McAlister WH, et al. Radiology 99:511-6, Jun 71
[Cutaneous necrosis due to antiprothrombin agents] Vachon J. Ann Cardiol Angeiol (Paris) 18:257-9, Jul-Sep 69 (Fre)
[Bullo-erosive lichen of the mouth of gold origin] Duperrat B, et al. Ann Dermatol Syphiligr (Paris) 97:505-7, 1970 (Fre)
[Delayed cutaneous porphyria: acute attack after absorption of griseofulvin] Thiers H, et al. Arch Belg Dermatol Syphiligr 26:463-9, Jul-Sep 70 (Fre)
[Cutaneous arsenicism and bronchial neoplasm] Le Coulant P, et al. Bull Soc Fr Dermatol Syphiligr 78:50, 1971 (Fre)
[The noxious effects of steroids in local application] Sneddon IB. Bull Soc Fr Dermatol Syphiligr 77:670-2, 1970 (Fre)
[Hemorrhagic cutaneous necrosis due to a new coumarin derivative] Stewart WM, et al. Bull Soc Fr Dermatol Syphiligr 77:345-6, 1970 (Fre)
[Cutaneous lesions and changes caused by long term corticotherapy] Witz E. Maroc Med 49:485-7, Aug-Sep 69 (Fre)
[Cutaneous manifestations in long-term general corticotherapy. Study of 100 cases] Colomb D. Presse Med 79:1011-2, 1 May 71 (Fre)
[Hazards to the skin in the plastics industry] Weichardt H. Berufsdermatosen 18:25-34, Feb 70 (Ger)
[Skin changes induced by isocyanates (Desmodur)] Peschel H. Dermatol Monatsschr 156:691-7, Jul 70 (Ger)
[Bromoderma tuberosum with elevation of acid phosphatase] Goos M. Hautarzt 22:30-2, Jan 71 (Ger)
[Damages due to ointments] Lindemayr W, et al. Wien Klin Wochenschr 82:669-76, 25 Sep 70 (Ger)
[First aid in phenol corrosion of the skin] Zentralbl Arbeitsmed 20:303, Oct 70 (Ger)
[Modern detergents: irritating factors and sensitizing factors. Preliminary note] Bassi R. G Ital Dermatol 45:565-6, Oct 70 (Ita)
[Iatrogenic dermatoses caused by cosmetics] Randazzo SD, et al. G Ital Dermatol 45:554-8, Sep 70 (Ita)
[Accidental leukoderma] Zar E. G Ital Dermatol 45:594-5, Oct 70 (Ita)
[Study on the skin hazards caused by fungicide "Difolatan"] Arimatsu Y. J Kumamoto Med Soc 44:692-721, 25 Aug 70 (Jap)
[Significance of pesticides in dermatology] Neumann E. Przegl Dermatol 57:793-8, Nov-Dec 70 (14 ref.) (Pol)
[Skin dystrophy after prolonged application of corticosteroid ointments (experimental study)] Akimochkina RG, et al. Vestn Dermatol Venerol 43:43-6, Aug 69 (Rus)
[Dermatoses in workers in the petroleum industry] Chernov BS, et al. Vestn Dermatol Venerol 44:65-8, Nov 70 (Rus)

CLASSIFICATION

[Study of cutaneous vascular diseases. VI. Conclusive considerations on allergic cutaneous vascular diseases] Berardi P, et al. Arch Ital Dermatol Venereol Sessuol 36:219-25, 1969 (Ita)

COMPLICATIONS

Urticaria pigmentosa associated with anetoderma. Carr RD. Acta Derm Venereol (Stockh) 51:120-2, 1971
Lichen myxedematosus with generalized nodular panniculitis. Lidén S, et al. Acta Derm Venereol (Stockh) 51:273-8, 1971
Herpes zoster and chronic active hepatitis. Rosenfield AT, et al. Am J Dig Dis 16:535-9, Jun 71
The skin and the gut. Owens DW. Am J Gastroenterol 55:237-48, Mar 71 (43 ref.)
Primary biliary cirrhosis with scleroderma, Raynaud's phenomenon and telangiectasia. New syndrome. Reynolds TB, et al. Am J Med 50:302-12, Mar 71
Systemic amyloidosis complicating dermatoses. Brownstein MH, et al. Arch Dermatol 102:1-7, Jul 70 (35 ref.)
Sarcoidosis of the skin and larynx. Raman VV. Arch Otolaryngol 93:324-6, Mar 71
Allergic vasculitis. Callan JN, et al. Australas J Dermatol 11:93-5, Aug 70
Dermal angiolymphoid hyperplasia with eosinophilia versus pseudopyogenic granuloma. Kandil E. Br J Dermatol 83:405-8, Sep 70
Lichen sclerosus et atrophicus with mouth lesions. Sarkany I. Br J Dermatol 83:422, Sep 70
Pustular eruption with eosinophilic abscesses. Stevanovic DV. Br J Dermatol 85:134-9, Aug 71
Skin disease and the gut. Somayaji BN. Br Med J 4:680-1, 12 Dec 70
Virus-like particles in rhabdomyosarcoma with epidermodysplasia verruciformis. Okamoto T, et al. Dermatologica 141:309-14, 1970
Proteinuria associated with skin disease. Cotterill JA, et al. Lancet 2:403-5, 21 Aug 71
Skin changes in sarcoidosis. Cronin E. Postgrad Med J 46:507-9, Aug 70
The gut and the skin. Fry L. Postgrad Med J 46:684-70, Nov 70 (51 ref.)
Anaemia and skin disease. Marks J, et al. Postgrad Med J 46:659-63, Nov 70 (37 ref.)
Dermatological complications of peripheral vascular disease. McCallum DI. Practitioner 206:359-67, Mar 71
Some diseases involving the eye and the skin. Gordon W. S Afr Med J 45:397-9, 10 Apr 71
Pachydermoperiostosis: a review and presentation of a case with associated Graves' disease. Boylen CT, et al. South Med J 64:317-20, Mar 71
Primary localised cutaneous amyloidosis in systemic sclerosis. Black MM. Trans St Johns Hosp Dermatol Soc 57:177-88, 1971
[Pseudoturmoral anetoderma and chronic lupus erythematosus] Témime P, et al. Ann Dermatol Syphiligr (Paris) 98:141-6, 1971 (Fre)
[Paraneoplastic hypercorticism with melanoderma and asthenia of the Addison type and revealing cancer of the thymus gland] Glibert-Dreyfus, et al. Ann Med Interne (Paris) 121:57-60, Jan 70 (Fre)
[Arndt-Gottron scleromyxedema with meduliary plasmacytosis and myositis] Braun-Falco O, et al. Arch Belg Dermatol Syphiligr 26:193-217, 1970 (Fre)
[Atrophic malignant papulosis of Degos with involvement of the central nervous system and presence of anti-arterial antibodies] Basset A, et al. Bull Soc Fr Dermatol Syphiligr 76:333-4, 1969 (Fre)
[Gougerot's trisymptom disease with severe necrotic lesions manifesting as Waldenström's cryomacroglobulinemia] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 77:323-5, 1970 (Fre)
[Evolution of a case of follicular tumoral mucinosis, reported before] Graciansky P de, et al. Bull Soc Fr Dermatol Syphiligr 76:300, 1969 (Fre)
[Disseminated annular granuloma with hyperlipidemia] Graciansky P de, et al. Bull Soc Fr Dermatol Syphiligr 77:892-3, 1970 (Fre)
[Giganto-lichenous and verrucous type of mycosis fungoides associated with mucinosis follicularis] Grupper C, et al. Bull Soc Fr Dermatol Syphiligr 76:306, 1969 (Fre)
[Late cutaneous porphyria with sclerodermiform lesions] Hadida E, et al. Bull Soc Fr Dermatol Syphiligr 76:405-6, 1969 (Fre)
[Some dermatologic aspects of diseases of the small intestine] Marks J, et al. Bull Soc Fr Dermatol Syphiligr 77:685-90, 1970 (Fre)
[Apparently idiopathic bullous dermatosis in a diabetic] Renoux M, et al. Bull Soc Fr Dermatol Syphiligr 76:165-8, 1969 (Fre)
[Gougerot-Sjogren syndrome with occurrence of subacute lupus erythematosus] Témime P, et al. Bull Soc Fr Dermatol Syphiligr 76:419-20, 1969 (Fre)
[Major peladic onchopathia] Thiers H, et al. Bull Soc Fr Dermatol Syphiligr 76:353-4, 1969 (Fre)
[Follicular mucinosis in a case of reticulosis difficult to classify] Thivolet J, et al. Bull Soc Fr Dermatol Syphiligr 76:695-9, 1969 (Fre)
[Evolution of the ocular lesion of malignant atrophic papulosis] Parizot H, et al. Bull Soc Ophtalmol Fr 69:158-64, Feb 69 (Fre)
[Vascular changes associated with dermatoses and their treatment] Temime P. Coeur Med Interne 8:353-61, Jul 69 (Fre)
[Hydroa vacciniformis syndrome] Kleine-Natrop HE. Dermatol Monatsschr 156:154-61, 1970 (Ger)
[Dermatologic contraindications in prophylactic vaccination] Harnack K. Dtsch Gesundheitsw 25:2085-8, 29 Oct 70 (Ger)
[Abt-Letterer-Siwe-syndrome, vesiculated pneumoreticulosis (type J. Marie) and thymus calcinosis together with cytomegalic inclusions] Tîrnoveanu G, et al. Monatsschr Kinderheilkd 119:144-7, Apr 71 (Ger)
[Pachydermal periostosis Touraine-Solente-Golé-syndrome] Schubert E, et al. Munch Med Wochenschr 112:229-35, 6 Feb 70 (Ger)
[Paraneoplastic dermatoses in visceral carcinomas] Wysocki R. Schweiz Med Wochenschr 101:475-8, 3 Apr 71 (Ger)
[Clinico-nosographic considerations on Paget's disease of bone] Cagnoni M, et al. Riv Crit Clin Med 67:274-88, Aug 67 (Ita)
[Diabetes mellitus and skin diseases. 2. Skin disorders being observed in theprimary and secondary diabetes] Inoue S, et al. Iryo 24:985-1000, Dec 70 (Jap)
[Case of unusual leukemic reticulosis possibly derived from multicentric reticulohistiocytosis] Takubo H, et al. Saishin Igaku 25:2623-37, Dec 70 (Jap)
[Skin diseases in patients treated in sanatoria for pulmonary tuberculosis] Mazurek A, et al. Pol Tyg Lek 26:717-8, 10 May 71 (Pol)
[Passini-Pierini atrophoderma coexisting with circumscribed scleroderma in the light of clinical observations and function tests] Szczepański A. Przegl Dermatol 57:631-6, Sep-Oct 70 (Pol)
[The course of pneumonia and immunologic indices in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

children with an exudative diathesis] Shtefniukht PL, et al. Pediatriia 50:26-30, Mar 71 (Rus)
["Pigment incontinence" in a 2-year-old child] Kherkheulidze NG, et al.
Vestn Dermatol Venerol 44:63-5, Jun 70 (Rus)
[Pigmented and nonpigmented skin lesions that can develope into cancer] Curiel J de J.
Prensa Med Mex 35:162-6, Mar-Apr 70 (Spa)
[Scleoatrophic lichen of the vulva and carcinoma] Briones H, et al.
Rev Chil Obstet Ginecol 35:169-76, 1970 (Spa)

CONGENITAL

Bronchogenic cysts in the skin and subcutaneous tissue. Fraga S, et al. Am J Clin Pathol 56:230-8, Aug 71
Focal dermal hypoplasia syndrome. Ginsburg LD, et al. Am J Roentgenol Radium Ther Nucl Med 110:561-71, Nov 70
Hereditary acrokeratotic poikiloderma. Weary PE, et al. Arch Dermatol 103:409-22, Apr 71
Focal dermal hypoplasia. Mair IW, et al. J Laryngol Otol 85:853-6, Aug 71
Agenesis of the corpus callosum in a case of focal dermal hypoplasia. Baughman FA Jr, et al. Mt Sinai J Med NY 37:702-9, Nov-Dec 70
Developmental vascular abnormalities. Margileth AM. Pediatr Clin North Am 18:773-800, Aug 71
[Focal dermal hypoplasia. Goltz's syndrome] Warburg M. Ugeskr Laeger 133:1461, 30 Jul 71 (Dan)
[Congenital solitary nodular calcification of the skin. Apropos of a case] Rauber G, et al. Bull Soc Fr Dermatol Syphiligr 77:435, 1970 (Fre)
[Congenital dermal fistulae communicating with the central nervous system. 21 operated cases in children] Lepintre J, et al. Neurochirurgie 16:335-48, Jul-Aug 70 (Fre)
[Goltz's syndrome in a boy] Walbaum R, et al. Pediatrie 25:911-20, Dec 70 (Fre)
[Rothmund-Thomson syndrome (histochemical, biochemical and radiographical findings)] Calandra P, et al. Arch Ital Pediatr Pueric 28:364-78, May-Aug 69 (Ita)

DIAGNOSIS

Acute febrile neutrophilic dermatosis (Sweet's syndrome). Report of two cases and review of the literature. Holst R, et al. Acta Derm Venereol (Stockh) 51:63-6, 1971
Diagnosis and treatment of groin eruptions. Watson PE, et al. Am Fam Physician GP 2:80-6, Dec 70
The cutaneous amyloidoses. I. Localized forms. Brownstein MH, et al. Arch Dermatol 102:8-19, Jul 70
Bullous pemphigoid in childhood. Immunofluorescent studies. Fincher DF, et al. Arch Dermatol 103:88-90, Jan 71
Benign lymphoid hyperplasia (lymphocytoma cutis). Gross PR. Arch Dermatol 103:347-9, Mar 71
Elastosis perforans serpiginosa vs Kyrle's disease. Tuchman JG, et al. Arch Dermatol 102:124, Jul 70
Elastosis perforans serpiginosa. White H. Arch Dermatol 102:123-4, Jul 70
Papular angiopiasia. Vascular papules of the face and scalp simulating malignant vascular tumors. Wilson-Jones E, et al. Arch Dermatol 102:422-7, Oct 70
Nodular dermal allergide of Gougerot. Report of a case. Geller M, et al. Australas J Dermatol 11:113-8, Dec 70
Granuloma fissuratum. Delaney TJ, et al. Br J Dermatol 84:373-5, Apr 71
Elastosis perforans serpiginosa--a diagnostic measure. Main RA, et al. Br J Dermatol 85:195-6, Aug 71
Epithelioid sarcoma. A sarcoma simulating a granuloma or a carcinoma. Enzinger FM. Cancer 26:1029-41, Nov 70
Neonatal dermatology. I. The newborn skin. Solomon LM, et al. J Pediatr 77:888-94, Nov 70
Oral pemphigus and bullous pemphigoid. Immunofluorescent studies of two patients. Bean SF, et al. JAMA 216:673-4, 26 Apr 71
Illusions of parasitosis. Heidbreder GA, et al. JAMA 216:2145, 28 Jun 71
Dermatologic diseases affecting the oral mucosa. Goldman HM. Postgrad Med 49:125-30, Jan 71
Skin diseases of the aged. Zakon SJ, et al. Postgrad Med 49:206-9, Jan 71
Computation of cutaneous impairment: based on functional--anatomic involvement. Robinson HM Jr, et al. South Med J 64:62-4, Jan 71
[Granuloma annulare disseminatum] Jůlek M, et al. Cesk Dermatol 45:211-3, Sep 70 (Cze)
[Digestive manifestations of malignant atrophying papulosis (Degos' disease). Value of laparoscopy] Paolaggi JA, et al. Ann Med Interne (Paris) 121:965-9, Nov 70 (Fre)
[Apropos of some new aspects in immunodermatology] Cormane RH. Arch Belg Dermatol Syphiligr 25:287-97, 1969 (Fre)
[Follicular mucinosis associated with a reticulosis evoking clinically scleromyxedema] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 78:17-8, 1971 (Fre)
[Cutaneous cryptococcosis. Histological and mycologic correlations] Drouhet E, et al. Bull Soc Fr Dermatol Syphiligr 77:735-41, 1970 (Fre)
[Case of hematoderma with complex characteristics] Dupont A. Bull Soc Fr Dermatol Syphiligr 76:227-9, 1969 (Fre)
Pyogenic pseudogranuloma (Wilson-Jones type)] Eisenmann D, et al. Bull Soc Fr Dermatol Syphiligr 78:22-3, 1971 (Fre)
[A case of multiple cutaneous and osseous granuloma. Eosinophilic granuloma? Tuberculosis with multiple foci?] Texier L, et al. Bull Soc Fr Dermatol Syphiligr 76:215-6, 1969 (Fre)
[Value of the sweat function test in hospital practice] Brun R, et al. Sem Hop Paris 47:1239-41, 20 Apr 71 (Fre)
[Clinical significance of serum-leucinaminopeptidase activities in various dermatoses] Peter G, et al. Arch Klin Exp Dermatol 238:135-45, 1970 (Ger)
[The role of immunofluorescence methods in dermatology (technic and clinical use)] Barthelmes H, et al. Dermatol Monatsschr 156:184-211, 1970 (260 ref.) (Ger)
[Clinical picture of eosinophilic granuloma] Kleine-Natrop HE, et al. Dermatol Monatsschr 156:962-8, 1970 (Ger)
[Cronkhite-Canada syndrome] Witzel L, et al. Dtsch Med Wochenschr 96:969-91, 4 Jun 71 (Ger)
[News from the American dermatology. I] Hollander A. Hautarzt 20:532-7, Dec 69 (Ger)
[Picture-reports. Lymphogranulomatosis inguinalis, pellagroid following INH-treatment, molluscа contagiosa, blue rubber bleb-nevus, protoporphyrinemic light-dermatosis, tinea cruris, lichen ruber follicularis decalvans] Thies W. Hautarzt 22:78-9, Feb 71 (Ger)
[The influence of age on the correlations between blood sedimentation rate, bodily measurement and frequent dermatoses] Flörcken D. Methods Inf Med 10:155-62, Jul 71 (Ger)
[Ultra-rapid cytodiagnosis in ambulatory dermatologic practice] Berardi P. Arch Ital Dermatol Venereol Sessuol 36:120-5, 1969 (Ita)
[Some observations on immunofluorescence] Silvestri U. Arch Ital Dermatol Venereol Sessuol 36:303-5, 1971 (Ita)
[Dermatologic aspects of cutaneous pseudocancer] Nazzaro P. Minerva Med 62:1588-91, 14 Apr 71 (Ita)
[Diagnosis of a case suspected to be epidermal cyst] So Y, et al. Acta Dermatol (Kyoto) 65:219, Nov 70 (Jap)
[Skin biopsy as a diagnostic aid] Larsen TE. Tidsskr Nor Laegeforen 91:266-9, 10 Feb 71 (Nor)
[Comparative studies on scleroderma in the atrophic stage and Pasini-Pierini atrophoderma] Szczepański A. Przegl Dermatol 57:737-40, Nov-Dec 70 (Pol)
[Chronic cicatricial bullosis] Rabello FE, et al. An Bras Dermatol 45:31-6, Jan-Mar 70 (Por)
[Use of O-antistreptolysin reaction in dermatology] Markevich VS. Sov Med 33:101-5, Sep 70 (Rus)
[Clinico-histologic parallels in allergic nodular dermo-hypodermitis] Bazyka AP, et al. Vestn Dermatol Venerol 44:8-15, Oct 70 (Rus)
[Differential diagnosis of Gottron's carcinoid papillomatosis of the skin] Fomin KF, et al. Vestn Dermatol Venerol 45:67-71, Jan 71 (Rus)
[Infantile eruptive papulosis syndrome] Cabre J. Actas Dermosifiliogr 61:235-40, Jul-Aug 70 (Spa)
[Clinical aspects of premalignant lesions of the skin] Moreno Collado CA. Prensa Med Mex 35:154-61, Mar-Apr 70 (Spa)

DRUG THERAPY

Diagnosis and treatment of groin eruptions. Watson PE, et al. Am Fam Physician GP 2:80-6, Dec 70
Testing topical antibacterial drugs. Marples RR. Ann Intern Med 74:1009-10, Jun 71
Complications of topical corticosteroid therapy. Baer RL, et al. Arch Belg Dermatol Syphiligr 26:129-44, 1970
Cutaneous periarteritis nodosa. Arch Dermatol 102:571-2, Nov 70
A new compound preparation for the treatment of skin disorders. Van Zuiden E. Arzneim Forsch 20:1104-6, Aug 70
Notable advances in dermatological treatment over the past twenty-five years. Roberts M, et al. Br J Clin Pract 25:341-52, Aug 71
Flumethasone pivalate (Locorten). Anti-inflammatory, antipruritic. Clin Pharmacol Ther 11:927-9, Nov-Dec 70
5-fluorouracil (5-FU) ointment in the treatment of benign and malignant skin lesions. Midana A, et al. Dermatologica 140:Suppl 1:75-81, 1970
Newer topical therapy in dermatology. Bluefarb SM. Int J Dermatol 9:200-8, Jul-Sep 70
The use of chemotherapeutic agents in the treatment of non-neoplastic diseases. Barland P. J Chronic Dis 23:829-42, May 71 (84 ref.)
Staphylococcal scalded skin syndrome: the expanded clinical syndrome. Melish ME, et al. J Pediatr 78:958-67, Jun 71
FDA regulation dermatology panel. Sauer GC. JAMA 217:1105-6, 23 Aug 71
The treatment of skin disorders with intramuscular triamcinolone acetonide. Rosten M. NZ Med J 72:253-5, Oct 70
How I treat granuloma annulare. Ravits HG. Postgrad Med 48:176-7, Dec 70
Advances in the treatment of diseases of the skin. Milne JA. Practitioner 205:452-8, Oct 70 (34 ref.)
Cosmetic management of selected skin changes of the legs. Brauer EW. South Med J 63:1190-2, Oct 70
Long-acting synthetic corticotrophin in dermatology. Verbov J. Trans St Johns Hosp Dermatol Soc 56:37-8, 1970
[External treatment of skin diseases] Young E. Ned Tijdschr Geneeskd 115:1034-8, 12 Jun 71 (Dut)
[Bufexamac, non-steroid anti-inflammatory agent utilizable locally in clinical dermatology] Achten G, et al. Arch Belg Dermatol Syphiligr 26:509-10, Oct-Dec 70 (Fre)
[2 years' experience with local treatment by 5-fluorouracil] Bouillenne JC. Arch Belg Dermatol Syphiligr 26:33-7, Jan-Mar 70 (Fre)
[Treatment of autoimmune dermatoses] Braun-Falco O, et al. Arch Belg Dermatol Syphiligr 25:269-81, Apr-Jun 69 (Fre)
[Arndt-Gottron scleromyxedema; treatment with melphalan] Hadida E, et al. Arch Belg Dermatol Syphiligr 25:299-304, 1969 (Fre)
[Clinical trial of Ercevit P] Sourreil P, et al. Bord Med 4:1681-92, May 71 (Fre)
[Clinical experimentation with idulian in dermatology] Texier L. Bord Med 4:937-8 passim, Mar 71 (Fre)
[Indications for a corticosteroid-antibiotic combination, in spray form, in dermatologic practice] Ghislain E. Brux Med 48:589-92, Sep 68 (Fre)
[Generalized papulous annular granuloma. Action of lipocaic heparin] Bessière L. Bull Soc Fr Dermatol Syphiligr 78:68, 1971 (Fre)
[Gougerot's trisymptom type of vascular purpura in connection with a mixed cryoglobulinemia. Suspensive action of D-penicillamine] Guilaine MJ. Bull Soc Fr Dermatol Syphiligr 77:891-2, 1970 (Fre)
[Degos' malignant atrophic papulosis. Outcome after 28 months' treatment with anticoagulants] Rivoire MJ. Bull Soc Fr Dermatol Syphiligr 78:18-9, 1971 (Fre)
[The noxious effects of steroids in local application] Sneddon IB. Bull Soc Fr Dermatol Syphiligr 77:670-2, 1970 (Fre)
[The treatment of cutaneous staphylococcal infections] Colomb D, et al. J Med Lyon 51:1199+, 20 May 70 (Fre)
[Trial treatment of inflammatory dermatosis with 16,091 R.P] Emonot A, et al. J Med Lyon 51:993-1006, 20 Apr 70 (Fre)
[Daily dermatologic therapy] Tchou PK. Laval Med 41:951-4, Sep 70 (Fre)
[Clinical trials of local broad-spectrum antibiotherapy in geriatrics] Fabregoule M, et al. Lille Med Suppl 6:1335+, Nov 70 (Fre)
[Niflumic acid in dermatoangeiological practice] Huriez C, et al. Lille Med Suppl 6:1338+, Nov 70 (Fre)
[Antibiotic-corticoid combination: Stapolidex pommade] Huriez C, et al. Lille Med Suppl 3:227-9, Mar 69 (Fre)
[Complications with synthetic antimalarials] Huriez C, et al. Lille Med 14:851-64, Oct 69 (Fre)
[Indications and results of long term corticotherapy in dermatology] Sekket A. Maroc Med 49:510-1, Aug-Sep 69 (Fre)
[Value of Ercevit P in dermatology] Bonnet J, et al. Mars Med 106:273-6, 1969 (Fre)
[Clinical study of the combination of 17-betamethasone valerate-gentamicin in dermatology] Grigoriu D. Praxis 59:1070-1, 21 Jul 70 (Fre)
[Dermatological complications and incidents in corticotherapy] Merklen FP, et al. Sem Ther 44:222-4, Apr 68 (Fre)
[Topical treatment of normal and pathological human skin with vitamin A acid (tretinoin)] Plewig G, et al. Arch Klin Exp Dermatol 239:390-413, 1971 (Ger)
[Ophthalmic changes in intermittent chlorochin therapy for dermatologic indications] Pambor R, et al. Dtsch Gesundheitsw 25:2091-5, 29 Oct 70 (Ger)
[Internal and local treatment with corticosteroids in dermatology] Wozniak KD. Dtsch Gesundheitsw 25:1590-7, 20 Aug 70 (Ger)
[Immunosuppressive agents in dermatology] Schuppli R. Dtsch Med Wochenschr 95:2576-7, 18 Dec 70 (Ger)
[Studies on local and systemic effect of 9 alpha-fluor-16-methylen prednisolone-21-acetate (Flupredny liden-21-acetate)] Landes E, et al. Hautarzt 21:546-50, Dec 70 (Ger)
[Treatment of comedos in the Favre-Racouchot disease and acne venenata with vitamin A acid] Plewig G, et al. Hautarzt 22:341-5, Aug 71 (Ger)
[Therapeutic experiences with 6-alpha-fluoroprednisolone in dermatology, especially in dermatitis perioralis] Walther H. Med Monatsschr 25:32-4, Jan 71 (Ger)
[Results of a clinical study on a new dermatologic agent] Bräuer R. Med Welt 26:1087-90, 26 Jun 71 (Ger)
[Experiences with the new corticoid fluprednisolone in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

dermatology] Kühnau W.
Med Welt 50:2151-6, 12 Dec 70 (Ger)
[Mycotic complications in immunosuppressive treatment] Meinhof W.
Mykosen 13:423-6, 1 Sep 70 (Ger)
[Cytostatic and immunosuppressive treatment of dermatologic diseases] Braun-Falco O, et al.
Ther Ggw 110:488-500, Apr 71 (Ger)
[Clinical and experimental studies with the antihistaminic Tavegyl in dermatologic patients] Grabner K.
Wien Klin Wochenschr 82:625-7, 4 Sep 70 (Ger)
[Experiences with Ehrtolan in general practice] Dietz O. Z Allgemeinmed 46:1511-5, 31 Oct 70 (Ger)
[Corticosteroid therapy from the dermatologists' viewpoint] Nasemann T, et al.
Z Allgemeinmed 47:903-5, 20 Jun 71 (Ger)
[Studies on antiphlogistic effects of fibrinolysin inhibitors] Feyen H, et al.
Z Rheumaforsch 29:276-86, Sep-Oct 70 (Ger)
[First aid in phenol corrosion of the skin]
Zentralbl Arbeitsmed 20:303, Oct 70 (Ger)
[Clinical observations on the use of F.I. 6321 on reparative processes of cutaneous lesions] Stoppani L, et al. Ann Ital Chir 45:321-33, 1969 (Ita)
[Controlled experimentation on the therapeutic effect of 2 topical anti-inflammatory steroids] Carbone G, et al.
Arch Ital Dermatol Venereol Sessuol 36:207-14, 1970 (Ita)
[Epitopical and occlusive therapy in skin diseases, using fluocortolone (FMC). Its elastolytic inertia] Nicoletti N.
Arch Ital Dermatol Venereol Sessuol 36:331-45, 1971 (Ita)
[Clinical experiences in dermatology with a new psychoagent] Beltrani G, et al.
Clin Ter 48:525-44, 31 Mar 69 (Ita)
[Therapeutic experience with a new cephalosporin: celhalexin] De Rosa F, et al.
Clin Ter 54:129-38, 31 Jul 70 (Ita)
[Experimental testing of a "Bio-coorticoid" ointment for the treatment of skin infections] Buccelli A, et al.
G Ig Med Prev 10:553-66, Dec 69 (Ita)
[Trials of an association of corticoids in dermatology] Ayala L, et al. G Ital Dermatol 46:220-3, May 71 (Ita)
[Trial in the dermatological field of a lotion containing fluoprednylidene-21-acetate, a corticosteroid derivative of recent synthesis] Campanella P.
G Ital Dermatol 46:31-5, Jan 71 (Ita)
[Clinical study of the use of dexamethasone 17-valerianate for topical administration in some dermatoses] Cozzi R.
G Ital Dermatol 46:273-85, Jun 71 (Ita)
[Clinical considerations on a controlled trial of bendazolic acid in some dermatoses] Fuga GC, et al.
G Ital Dermatol 45:340-5, May 70 (Ita)
[Comparative evaluation of the action of 2 vasodilator drugs. Capillaroscopic study] Fuga GC, et al.
G Ital Dermatol 46:259-61, Jun 71 (Ita)
[Bendazolic acid in the therapy of some dermatoses. Clinical studies] Giacometti C, et al.
G Ital Dermatol 46:236-41, May 71 (Ita)
[On the activity of a liver-protective drug, uridine-5-diphosphoglucose as an adjuvant in dermatological therapy] Lasagni A.
G Ital Dermatol 46:286-93, Jun 71 (Ita)
[Clinico-psychological preliminary research on a new benzodiazepine derivative (Nobrium) in dermatology] Ormea F, et al.
G Ital Dermatol 45:325-39, May 70 (Ita)
[Clinical trial of a steroid association in dermatology] Peverelli G. G Ital Dermatol 45:463-6, Jul 70 (Ita)
[Clinical trial of a steroid derivative (9-alpha-fluoro-prednisolone-21-acetate) in association with aqueous extract of althea in the dermatological field] Piovano PB, et al.
G Ital Dermatol 45:279-86, Apr 70 (Ita)
[On the topical therapeutic activity of a new corticosteroid: prednacinolone] Puccinelli VA.
G Ital Dermatol 46:255-8, Jun 71 (Ita)
[Results of treatment with trimethoprim-sulfamethoxazole in dermovenereology] Randazzo SD.
G Ital Dermatol 46:269-72, Jun 71 (Ita)
[Clinical trial of a new corticosteroid for topical use: dexamethasone-17-valerate] Rasponi L.
G Ital Dermatol 46:36-42, Jan 71 (Ita)
[Therapeutical possibilities of a synthetic delayed action tetracosapeptide (ACTH-like) in dermatology] Sartoris S, et al. G Ital Dermatol 44:301-10, Jun 69 (Ita)
[Possibilities of the use of nucleosides in the topical treatment of eczematous dermatoses, with special reference to occupational dermatoses] Serra M.
G Ital Dermatol 46:213-9, May 71 (Ita)
[Use of the combination of fluprednilidene-gentamicin in the local treatment of inflammatory dermatoses] Serra M. G Ital Dermatol 46:82-7, Feb 71 (Ita)
[Topical use of a new steroid derivative, fluprednilidene] Serra M.
G Ital Dermatol 46:77-81, Feb 71 (Ita)
[9-alpha-fluoroprednisolone in lotion and ointment in topical dermatological therapy] Andreassi L, et al.
Minerva Med 62:42-6, 6 Jan 71 (Ita)
[On the treatment of losses of continuity of the skin with 4-chlorotestosterone acetate and neomycin sulfate] Barberis ML, et al.
Minerva Med 61:5241-6, 17 Nov 70 (Ita)
[Clinical observations on a new synthetic detergent in current dermatological practice] Fuga GC, et al.
Minerva Med 62:1333-42, 28 Mar 71 (Ita)
[Possibilities and limitations of the use of Synacthen Depot Ciba in dermatology] Ormea F, et al.
Minerva Med 61:4261-7, 29 Sep 70 (Ita)
[Polysteroid therapy in dermatology] Pisani M, et al.
Minerva Med 62:19-41, 6 Jan 71 (Ita)
[Analgesic effect of a corticosteroid for local use] Tagliavini R, et al.
Minerva Med 62:1357-62, 31 Mar 71 (Ita)
[Coal tar dissolved in chloroform in dermatological therapy. Clinical trials] Tobia L.
Minerva Med 62:1188-9, 17 Mar 71 (Ita)
[On the dermatological use of a fluocinolone acetonide ointment, with special reference to topical therapy of psoriasis] Zar E.
Minerva Med 62:1418-27, 4 Apr 71 (Ita)
[Distamycin A in the treatment of cutaneous localizations of herpes virus and of complications of jennerian vaccination] Scarzella M.
Minerva Pediatr 22:1444-8, 14 Jul 70 (Ita)
[Clinico-statistical study of the effectiveness of a cutaneous topical preparation with anabolic and antibiotic action] Esposito C.
Rass Int Clin Ter 50:491-7, 30 Apr 70 (Ita)
[Therapy of chronic refractory skin diseases with synthetic ACTH, Cortrocin-depot] Hayakawa M.
Acta Dermatol (Kyoto) 65:51-61, Feb 70 (Jap)
[Clinical use of the Drenison(fiurandrenolone) tape] Imamura S, et al.
Acta Dermatol (Kyoto) 65:103-11, Aug 70 (Jap)
[Experience in using the 2 levels of concentration of Betnevate N cream (betamethasone 17-valerate with Fradiomycin sulfate)] Shimizu M, et al.
Acta Dermatol (Kyoto) 65:95-102, Aug 70 (Jap)
[Clinical experience in administration of Propaderm] Takeda T, et al.
Acta Dermatol (Kyoto) 65:63-71 passim, Feb 70 (Jap)
[Diabetic skin disease and its treatment] Inoue K, et al.
Clin Endocrinol (Tokyo) 19:109-15, Feb 71 (Jap)
[Topical corticosteroid treatment: its significance and limitation] Ishihara M.
Clin Endocrinol (Tokyo) 19:96-102, Feb 71 (Jap)
[Corticosteroid therapy - internal application its significance and limitation] Miura S.
Clin Endocrinol (Tokyo) 19:89-95, Feb 71 (Jap)
[Significance of hormone therapy in skin diseases] Yasuda T.
Clin Endocrinol (Tokyo) 19:87-8, Feb 71 (Jap)
[Problems in topical application of estrogen] Yasuda T.
Clin Endocrinol (Tokyo) 19:123-6, Feb 71 (Jap)
[Results of Complamin treatment in some skin diseases] Chorążak T, et al.
Pol Tyg Lek 26:803-5, 24 May 71 (Pol)
[Clinical studies on Traumacort-aerosol Polfa in selected skin diseases] Michalowski R, et al.
Pol Tyg Lek 26:604-6, 19 Apr 71 (Pol)
[Evaluation of Dexaderm-aerosol Polfa in treatment of selected skin diseases with particular reference to pyoderma] Michalowski R, et al.
Pol Tyg Lek 26:220-2, 8 Jul 71 (Pol)
[Treatment with Sandoven of certain skin diseases connected with the blood vessel system] Wanic A.
Pol Tyg Lek 26:23-6, 4 Jan 71 (Pol)
[Evaluation of BP-400, a preparation used in some skin diseases] Kostrzewa J.
Przegl Dermatol 57:779-84, Nov-Dec 70 (Pol)
[Various indications for triprolidine in dermatology] Loewenthal LJ.
Hospital (Rio de J) 76:1077-84, Sep 69 (Por)
[Effect of certain therapeutic preparations on the acetylcholine-cholinesterase system in exudative-catarrhal diathesis] Krasnoperova KE.
Pediatriia 49:38-40, Apr 70 (Rus)
[Experience in the treatment of suppurative diseases of the skin and subcutaneous tissue with penicillin in combination with antiphagin] Shchekotov GM.
Sov Med 32:137-41, Sep 69 (Rus)
[Treatment of certain dermatoses with corticosteroid preparations] Abdusametov RKh, et al.
Vestn Dermatol Venerol 44:23-7, Jul 70 (Rus)
[Theory of nonspecific stimulating therapy] Ashmarin Iulia. Vestn Dermatol Venerol 44:7-16, Aug 70 (Rus)
[Use of tranquilizers in dermatologic practice] Ashmarin Iulia, et al.
Vestn Dermatol Venerol 44:6-12, Jun 70 (Rus)
[Smallpox vaccination of children with skin diseases] Beliaev NV, et al.
Vestn Dermatol Venerol 43:72-3, Aug 69 (Rus)
[The Soviet preparation Metisazon in the treatment of postvaccination skin complications] Beliaev NV, et al.
Vestn Dermatol Venerol 44:72-4, Mar 70 (Rus)
[Experience in the treatment of hidradenitis with biomycin phonophoresis] Iudkevich PA.
Vestn Dermatol Venerol 44:75-7, Jul 70 (Rus)
[Comparative evaluation of the therapeutic effectiveness of different topical corticosteroid preparations in certain dermatoses] Kolokolova NV, et al. Vestn Dermatol Venerol 44:32-5, Aug 70 (Rus)
[Ultralan in the therapy of certain skin diseases] Makovoz VI.
Vestn Dermatol Venerol 44:80-1, Jun 70 (Rus)
[Mechanisms of development of hypercorticism in the treatment of patients with certain infectious-allergic dermatoses using corticosteroids] Skripkin IuK, et al.
Vestn Dermatol Venerol 44:12-6, Jun 70 (Rus)
[Use of teralen (alimemazine) in dermatologic practice] Somov BA, et al.
Vestn Dermatol Venerol 44:79-81, Nov 70 (Rus)
[Experience in the use of Locacorten in the treatment of dermatoses] Studiitsin AA, et al.
Vestn Dermatol Venerol 44:69-71, Jul 70 (Rus)
[Use of Videin--vitamin D3--in pediatric dermatovenereological practice] Studnitsin AA, et al.
Vestn Dermatol Venerol 44:25-8, Feb 70 (Rus)
[Comparative analysis of the efficacy of external application of various corticosteroid preparations in skin diseases] Zelikov AKh.
Vestn Dermatol Venerol 44:62-4, Feb 70 (Rus)
[Certain complications involving the bones in corticosteroid therapy of skin diseases] Strel'tsov IE.
Vestn Rentgenol Radiol 45:89-92, Sep-Oct 70 (Rus)
[The effectiveness of local corticosteroid treatment for patients with various dermatoses] Kalamkarian AA, et al. Vrach Delo 96-103, Jan 71 (Rus)
[Practical use of immunosuppressive drugs and cytostatics in dermatological diseases] Schuppli R.
Rev Clin Esp 116:581-4, Mar 70 (Spa)

ENZYMOLOGY

Identification of an error in the tryptophan--niacin pathway in carriers of some dermatoses conditioned or aggravated by sunlight. Binazzi M, et al.
Arch Klin Exp Dermatol 239:368-76, 1971
[Leucine aminopeptidase and naphtylamidases in human skin. V. Dipeptide naphtylamidases] De Bersaques J.
Arch Belg Dermatol Syphiligr 26:529-37, Oct-Dec 70 (Fre)
[Arginase activity of the skin determined with a modification of the xanthydrol reaction. (Experiments with animals and humans)] Frati C.
Arch Ital Dermatol Venereol Sessuol 36:325-30, 1971 (Ita)
[Enterokinase activity of the intestine in several skin diseases] Prokopchuk AIa, et al.
Vestn Dermatol Venerol 45:19-22, Feb 71 (Rus)

ETIOLOGY

Migratory arthralgias and cutaneous lesions as confusing initial manifestations of gonorrhea. Wheeler JK, et al. Am J Med Sci 260:150-9, Sep 70
Stress and conflict as criteria for the classification of psychosomatic skin disorders. Shanon J.
Arch Belg Dermatol Syphiligr 25:429-37, Oct-Dec 69
Unusual localization of isolated cutaneous amyloidosis. Shanon J.
Arch Belg Dermatol Syphiligr 26:449-55, Jul-Sep 70
Concurrence of bullous and atrophic skin lesions in diabetes mellitus. Kurwa A, et al.
Arch Dermatol 103:670-5, Jun 71
Vasculitis. Soter NA, et al.
Arch Dermatol 102:117-9, Jul 70
Unusual cutaneous lesions in tumoral calcinosis. Whiting DA, et al. Arch Dermatol 102:465-73, Oct 70
Diabetic dermangiopathy.A spectrum including pigmented pretibial patches and necrobiosis lipoidica diabeticorum. Bauer M, et al.
Br J Dermatol 83:528-35, Nov 70
The skin and vaccination against smallpox. Copeman PW, et al. Br J Dermatol 84:169-73, Feb 71 (31 ref.)
Delayed psychosomatic skin disorders in survivors of concentration camps. Shanon J.
Br J Dermatol 83:536-42, Nov 70
Delayed psychosomatic skin disorders. Shanon J.
Br J Dermatol 85:196-7, Aug 71
Rubber men. Bell RC. Br J Plast Surg 23:337-8, Oct 70
Skin disease and the gut. Moynahan EJ.
Br Med J 4:559-60, 28 Nov 70
Cutaneous amyloidosis associated with atopic disorders. Shanon J. Dermatologica 141:297-302, 1970
Antemortem ants bite and coma. A case report. Elhence GP, et al. Indian J Med Sci 24:745-7, Nov 70
Skin changes in protein calorie deficiency malnutrition. Darwin R, et al.
Int J Dermatol 9:247-52, Oct-Dec 70
Papular mucinosis. Shapiro CM, et al.
JAMA 214:2052-4, 14 Dec 70
Psychocutaneous disorders. Hai TC.
Med J Malaya 25:91-8, Dec 70
Experimental cutaneous infection of hamsters with Histoplasma duboisii. Salfelder K, et al.
Mykosen 11:273-84, 1 Apr 68
Skin necrosis secondary to cryoglobulinemia. Case report. Riu R, et al.
Plast Reconstr Surg 46:510-2, Nov 70
Psychosomatic skin disorders in survivors of Nazi concentration camps. Shanon J.
Psychosomatics 11:95-8, Mar-Apr 70
Skin necrosis following extravasal injection of contrast

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

medium in phlebography. Göthlin J, et al.
Radiologe 11:161-5, Apr 71
Nonmetastatic extrapulmonary manifestations of bronchogenic carcinoma. Sealy WC.
Surgery 68:906-13, Nov 70
[Subcutaneous induration following telecobalt therapy] Štěpánek J, et al.
Cesk Radiol 25:35-9, Jan 71 (Cze)
[2 cases of African histoplasmosis treated with success with amphotericin B] Rimbaud P, et al.
Ann Dermatol Syphiligr (Paris) 98:121-30, 1971 (Fre)
[Africal histoplasmosis with cutaneous and pulmonary involvement] Wolfensberger HR.
Ann Soc Belg Med Trop 50:175-83, 1970 (Fre)
[Chronic eruption due to light and sun rays] Meyer J.
Arch Belg Dermatol Syphiligr 25:311-6, 1969 (Fre)
[Pautrier-Woringer lipo-melanic reticulosis of sudden onset as a symptom of reticulo-sarcomatosis] Blez F, et al.
Bull Soc Fr Dermatol Syphiligr 76:689-90, 1969 (Fre)
[Lymphoid leukosis with vesiculo-bullous cutaneous lesions] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:727-8, 1969 (Fre)
[Acquired toxoplasmosis in adults with cutaneous papulo-nodular manifestations] Midana A, et al.
Bull Soc Fr Dermatol Syphiligr 77:333-4, 1970 (Fre)
[Waldenstrom's macroglobulinemia with reticulosis type cutaneous localizations] Privat Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:184-6, 1969 (Fre)
[Cutaneous bullous evolution during acute disseminated lupus erythematosus] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 76:374-7, 1969 (Fre)
[Microangiographic study of vascular radiolesions of mouse skin] Minet P.
J Belge Radiol 53:379-85, Sep-Oct 70 (Fre)
[Problems caused by microangiopathy in diabetes and obesity. Apropos of 166 skin biopsies] Gleize J, et al.
J Med Lyon 51:1575-6 passim, 20 Sep 70 (Fre)
[Cutaneous eruption during infectious mononucleosis treated with ampicillin] Fournier A, et al.
J Sci Med Lille 88:529-35, Oct 70 (Fre)
[Supposedly allergic specific cutaneous eruptions in unknown infections] Pelbois F.
Maroc Med 48:701-8, Dec 68 (Fre)
[Physiology and physiopathology of the pilo-sebaceous receptor] Bercovici JP, et al.
Presse Med 78:2229-32, 25 Nov 70 (33 ref.) (Fre)
[Tegumentary allergopathy] Craps L.
Rev Med Liege 25:Suppl 1:73-83, Dec 70 (Fre)
[Cutaneous complications of diabetes] Lapiere CM.
Rev Med Liege 25:48-50, 15 Jan 70 (Fre)
[Exogenic factors of chronic bronchitis and exudative diathesis] Meyer A.
Beitr Klin Erforsch Tuberk Lungenkr 141:297-310, 1970 (Ger)
[Skin disease in regional enteritis (Crohn's disease)] Wagner A.
Dtsch Med Wochenschr 96:1078-82 passim, 18 Jun 71 (Ger)
[Ulcero-mutilating neuropathies of the lower extremities. Clinical aspects of ulcero-mutilationg acropathy] Partsch H. Hautarzt 22:283-9, Jul 71 (Ger)
[Reticular hyperplasia of the skin caused by light. Actino-reticulose, actinic-reticuloid] Korting GW.
Med Welt 20:826-7, 15 May 71 (Ger)
[The exudative discoid and lichenoid Sulzberger-Garbe dermatosis] Ebner H, et al.
Z Haut Geschlechtskr 44:967-72, 1 Dec 69 (Ger)
[Dermatological aspects of chronic venous insufficiency. Clinical aspects, differential diagnosis and nomenclature of secondary skin changes] Brunner U. Zentralbl Phlebol 9:207-10, Nov 70 (Ger)
[Dermatological manifestations of leukemia] Kahanowicz-Feierberg J, et al.
Harefuah 77:408-10, 2 Nov 69 (Heb)
[Adrenal gland function test in the differential diagnosis of sthenic obesity with pink striae] Angeli A, et al.
Folia Endocrinol (Roma) 23:566-78, Oct 70 (Ita)
[Cosmetology and dermatology] Comel M.
G Ital Dermatol 45:351-412, Jun 70 (Ita)
[Infantile disseminated cutaneous gangrene during meningococcic sepsis] Leoni A.
G Ital Dermatol 44:344-8, Jul 69 (Ita)
[Clinico-therapeutic considerations on prophyria cutanea tarda] Pelfini C.
G Ital Dermatol 45:446-50, Jul 70 (Ita)
[Negative factors of heliotherapy in dermatology] Policaro RD. G Ital Dermatol 45:587-9, Oct 70 (Ita)
[The skin and pregnancy] Nikolowski W.
Minerva Med 61:5776-9, 15 Dec 70 (Ita)
[Diabetes mellitus and skin diseases. 1. Specific skin disorders seen in the primary diabetes mellitus] Inoue S, et al. Iryo 24:899-914, Nov 70 (Jap)
[Current status of complications of smallpox vaccination] Hirayama M.
Jap J Clin Med 29:1161-5, 1971 (Jap)
[Side reaction following smallpox vaccination] Kimura M. Jap J Clin Med 29:1166-71, 1971 (24 ref.) (Jap)
[Dermatoses due to mechanization and increased use of chemicals in agriculture in the Bialystok Province] Szarmach H, et al.
Przegl Dermatol 58:141-7, Mar-Apr 71 (Pol)
[The skin and diabetes] Fraga S.
An Bras Dermatol 45:271-4, Jul-Sep 70 (Por)
[Paraneoplastic syndromes] Gherman G, et al.
Med Interna (Bucur) 23:587-96, May 71 (Rum)
[Clinical aspects of the skin syndrome in periarteritis nodosa] Pavlov VK.
Vestn Dermatol Venerol 45:71-4, Jan 71 (Rus)
[New data on the etiology of erythrasma] Rudiak AL, et al. Vestn Dermatol Venerol 44:39-43, Nov 70 (Rus)
[Neurotic excoriations] Borda JM, et al.
Arch Argent Dermatol 18:187-207, Dec 68 (Spa)
[Functional dermatologic diseases] Abritta J.
Rev Sanid Milit Argent 69:143-52, Jan-Jun 70 (Spa)
[Problem] Keros P. Lijec Vjesn 92:607-8, 1970 (Cro)

FAMILIAL & GENETIC

The twin clinical method in dermatology. Cavalieri R.
Acta Genet Med Gemellol (Roma) 19:257, Jan-Apr 70
Skin, heredity, and cancer. Lynch HT.
Cancer 24:277-88, Aug 69 (114 ref.)
Role of genetics in dermatology. Saha KC.
Indian J Dermatol 15:97-103, Jul 70
Genetic counseling in dermatology. Watson W, et al.
Pediatr Clin North Am 18:757-71, Aug 71
Stiff skin syndrome. Esterly NB, et al.
Pediatrics 47:360-9, Feb 71
Studies on the nature of epidermodysplasia verruciformis of Lewandowsky-Lutz as a precancerous condition. Jabłońska S, et al.
Pol Med J 9:1581-8, 1970
Familial lichen nitidus. The simultaneous occurrence of lichen nitidus in brothers. Marks R, et al.
Trans St Johns Hosp Dermatol Soc 56:165-7, 1970
[Multiple verruciform and epitheliomatous Bowen's epidermodysplasia] Grupper C, et al.
Bull Soc Fr Dermatol Syphiligr 76:307-8, 1969 (Fre)
[Incontinentia pigmenti achromians (ITO). Clinical and histopathological study] Grosshans EM, et al.
Dermatologica 142:65-78, 1971 (Fre)
[Chromosome examinations in some cases of genodermatoses] Schubert H.
Dermatol Monatsschr 156:555-61, 1970 (Ger)
[Onset mycosis fungoides, eosinophilic granuloma of the face, striated pigmented nevus, acrodermatitis papulosa infantum Gianotti-Crosti, lichen ruber planus et atrophicus, onychogryposis hypertrophic Bowen's syndrome] Zingler J, et al.
Hautarzt 21:377-8, Aug 70 (Ger)
[Familial incidence of the Bloch-Sulzberger syndrome (Incontinentia pigmenti) with ocular involvement] Benedikt O, et al.
Klin Monatsbl Augenheilkd 157:652-63, Nov 70 (Ger)
[Findings and considerations on 4 cases of pseudo-colloid milium] Allegra F, et al.
G Ital Dermatol 45:257-64, Apr 70 (Ita)
[On Lewandowski-Lutz epidermodysplasia verruciformis. (Apropos of a case)] Guarneri B.
G Ital Dermatol 45:275-8, Apr 70 (Ita)

HISTORY

[Dermatology and art. A case of senile skin from the year 1654. Senile degenerative skin atrophy resembling cutis gyrata resp. rhomboidalis and blepharochalasis] Gans O.
Hautarzt 22:259-61, Jun 71 (Ger)

IMMUNOLOGY

IgD in various dermatoses; immunofluorescence studies. Cormane RH, et al.
Br J Dermatol 84:523-33, Jun 71
Subcorneal pustular dermatosis. Pathogenetic aspects. Krogh HK, et al. Br J Dermatol 83:429-34, Oct 70
Absence of pemphigus-type autoantibodies despite the presence of pemphigus-like histopathology: report of two cases. Feinstein RP, et al.
Int J Dermatol 10:115-7, Apr-Jun 71
Epidermal antigens in cutaneous dysplasia and neoplasia. Muller HK, et al.
Nature (Lond) 230:384-5, 9 Apr 71
[Biological examinations which should be carried out in a dermatosis when a dysglobulinemic origin is suspected] De Boissezon JF, et al.
Bull Soc Fr Dermatol Syphiligr 77:573-8, 1970 (Fre)
[Globulin anomalies in skin mucinosis] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 77:579-91, 1970 (Fre)
[Mixed cryoglobulinemia with Gougerot-Sjögren's syndrome] Guilaine J, et al.
Bull Soc Fr Dermatol Syphiligr 77:751-3, 1970 (Fre)
[Dermatosis associated with dysglobulinemia. General panorama and classification] Thivolet J, et al.
Bull Soc Fr Dermatol Syphiligr 77:566-73, 1970 (Fre)
[Amyloidosis and monoclonal dysglobulinemia] Touraine R, et al.
Bull Soc Fr Dermatol Syphiligr 77:591-607, 1970 (Fre)
[On the behavior of the lymphocyte transformation test (LTT) in certain blastomatous cutaneous diseases] Badanoiu A, et al.
G Ital Dermatol 46:186-8, Apr 71 (Fre)
[Immunofluorescence studies in clinical and experimental dermatology. I. Preparation, conjugation and characterization of immunoglobulins] Misgeld V, et al.
Arch Klin Exp Dermatol 239:150-66, 1970 (Ger)
[Immunohistochemical studies using an enzyme-immunoglobulin conjugate. Demonstration of in vivo bound immunoglobulins in lupus erythematosus, pemphigus vulgaris, pemphigus erythematosus and pemphigoid] Wolff K, et al.
Arch Klin Exp Dermatol 238:381-9, 1970 (Ger)
[Pathogenetic considerations on an unusual case of allergic cutaneous vasculitis] Bonelli U.
Arch Ital Dermatol Venereol Sessuol 36:313-24, 1971 (Ita)
[Autoimmunity in dermatology] Meneghini CL, et al.
Folia Allergol (Roma) 16:389-409, Jul-Aug 69 (Ita)
[Our observations on intradermal tests with autologous platelets] Argenziano G, et al.
G Ital Dermatol 44:517-21, Oct 69 (Ita)
[On immunopathological phenomena in bullous pemphigoid] Leszczynski W, et al.
G Ital Dermatol 44:536-1, Oct 69 (Ita)
[In vitro blastic transformation of blood circulating lymphocytes. Dermatologic aspects] Sapuppo A, et al.
G Ital Dermatol 44:560-629, Nov 69 (126 ref.) (Ita)
[Dermatopathy and immunoglobulin] Niwa Y.
Acta Dermatol (Kyoto) 65:185-211, Nov 70 (145 ref.) (Jap)
[Clinico-immunological study of cutaneous necrotizing (hyperergic) angiitis] Geiler M, et al.
Hospital (Rio de J) 78:1007-23, Oct 70 (Por)
[Streptococcal allergic vasculitis of the skin] Uzunian LKh, et al. Klin Med (Mosk) 49:75-80, Mar 71 (Rus)
[Results of virological and immunological studies in children with complications following smallpox vaccination] Bondarev VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:72-7, Nov 70 (Rus)
[Allergic vasculitis (Gougerot-Ruitter)] Vernengo CL, et al. Arch Argent Dermatol 18:229-40, Dec 68 (Spa)

METABOLISM

The metabolic and haemodynamic effects of skin disease. Shuster S.
Ann Clin Res 3:135-42, Jun 71 (28 ref.)
Cutaneous absorption and urinary excretion of 6-14C-5-fluorouracil ointment applicated in an ointment to healthy and diseased human skin. Erlanger M, et al. Dermatologica 140:Suppl 1:7-14, 1970
[Uptake of tritiated thymidine in common warts, Shope papilloma and epidermodysplasia verruciformis] Delesciuse C, et al.
Ann Dermatol Syphiligr (Paris) 97:525-33, 1970 (Fre)
[Torpid skin wounds and collagen metabolism disorder] Lapiere CM, et al.
Arch Belg Dermatol Syphiligr 25:353-6, 1969 (Fre)
[Polymorphous photosensitization with disorders of porphyrin metabolism] Témime P.
Bull Soc Fr Dermatol Syphiligr 76:424-5, 1969 (Fre)
[Disturbances in tryptophan metabolism in some skin diseases] Kostrzewa J.
Przegl Dermatol 57:687-93, Sep-Oct 70 (14 ref.) (Pol)
[Study of serotonin in several skin diseases] Kulaga VV, et al.
Vestn Dermatol Venerol 44:16-21, Oct 70 (Rus)
[Status of carbohydrate and fat-lipid metabolism in patients with skin diseases] Shevchenko IV, et al.
Vestn Dermatol Venerol 44:28-30, Feb 70 (Rus)

MICROBIOLOGY

Centralized versus decentralized local treatment of dermatoses in regard to bacterial colonization. Nyström B, et al.
Acta Derm Venereol (Stockh) 50:469-74, 1970
The characterization of fluorescent skin diphtheroids. McBride ME, et al. Can J Microbiol 16:941-6, Oct 70
Pustular bacterid. Tager A, et al.
Dermatologica 141:335-8, 1970
[On the pathogenesis of viral exanthemas] Aiuti F, et al. Recent Progr Med (Roma) 48:398-418, May 70 (Ita)

MORTALITY

[Lethality from skin diseases] Gertler W, et al.
Dermatol Monatsschr 156:134-40, 1970 (Ger)

OCCURRENCE

Relative incidence of skin diseases as seen at the out-patient department of School of Tropical Medicine, Calcutta--a periodical survey. Banerjee AK, et al. Bull Calcutta Sch Trop Med 17:125-6, Oct 69
Lichen amyloidosus in Singapore. Leong YO, et al.
Int J Dermatol 10:156-8, Apr-Jun 71
Skin diseases among soldiers evacuated from Southeast Asia. McCaffree DL. Int J Dermatol 9:243-6, Oct-Dec 70
Ecological aspects of common dermatoses in Thailand. Vibhagool A. Int J Dermatol 9:186-8, Jul-Sep 70
Report of case in Texas. Subcutaneous nodules caused by Dirofilaria tenuis. Werth JA, et al.
Tex Med 67:86-8, Apr 71
New skin diseases in Africa. Marshall J.
Trans St Johns Hosp Dermatol Soc 56:3-10, 1970 (33 ref.)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Skin diseases in foreign workers] Lüders G.
Berufsdermatosen 18:323-36, Dec 70 (Ger)
[Skin changes in geriatrics] Gutowski W.
Wiad Lek 23:1881-6, 1 Nov 70 (Pol)
[The everyday sanitary accommodations of coal miners in southern Kirghizia and the level of purulent skin diseases] Litvak IaI.
Sov Zdravookhr Kirg 6:36-9, Nov-Dec 70 (Rus)
[Structure and dynamics of the incidence of skin disease in children of the Krimean District during 1964-1966] Malygina TA, et al.
Vestn Dermatol Venerol 44:67-8, Mar 70 (Rus)
[Epidemiology of premalignant lesions of the skin] Bohorquez JF.
Prensa Med Mex 35:149-53, Mar-Apr 70 (Spa)

PATHOLOGY

An electron microscopical study of Bloch-Sulzberger syndrome (incontinentia pigmenti). Wong CK, et al.
Acta Derm Venereol (Stockh) 51:161-8, 1971
North American blastomycosis: a study of ten cases. Vaněk J, et al. Am J Clin Pathol 54:384-400, Sep 70
Poikiloderma atrophicans vasculare. Dougherty J.
Arch Dermatol 103:550-2, May 71
Angiolymphoid hyperplasia with eosinophilia. Mehregan AH, et al. Arch Dermatol 103:50-7, Jan 71
Perforating granuloma annulare. Owens DW, et al.
Arch Dermatol 103:64-7, Jan 71
Primary localized amyloidosis cutis. Tumefactive type. Potter BS, et al. Arch Dermatol 103:448-51, Apr 71
Annular, en bande, and plaque, lichen sclerosus. Stevanovic DV. Arch Dermatol 103:226-8, Feb 71
Ocular involvement in cutaneous porphyria. A clinical and histological report. Sevel D, et al.
Arch Ophthalmol 85:580-5, May 71
Lichen amyloidosus. A histochemical and electron microscopic study. Shapiro L, et al.
Arch Pathol 90:499-508, Dec 70
Nodular cutaneous amyloidosis. Ashurst P.
Br J Dermatol 84:94, Jan 71
Macular amyloidosis. A study of 21 cases with special reference to the role of the epidermis in its histogenesis. Black MM, et al.
Br J Dermatol 84:199-209, Mar 71
Acute neutrophilic dermatosis. Borrie PF.
Br J Dermatol 84:184-5, Feb 71
Histological and ultrastructural changes in experimental hyperplasia in the guinea-pig. Cowan MA, et al. Br J Dermatol 84:353-60, Apr 71
Primary localized macular cutaneous amyloidosis: histochemistry and electron microscopy. Kurban AK, et al. Br J Dermatol 85:52-60, Jul 71
Digital fibrous swellings in children. McKenzie AW, et al. Br J Dermatol 83:446-58, Oct 70
Subcorneal pustular dermatosis. Chowdhury DS, et al.
Bull Calcutta Sch Trop Med 17:45-7, Apr 69
Absence of pemphigus-type autoantibodies despite the presence of pemphigus-like histopathology: report of two cases. Feinstein RP, et al.
Int J Dermatol 10:115-7, Apr-Jun 71
Histologic characteristics of granuloma multiforme (Mkar disease). Including a comparison with leprosy and granuloma annulare. Report of first case from Congo (Kinshasa). Meyers WM, et al.
Int J Lepr 38:241-9, Jul-Sep 70
The mechanical properties of hair. II. Chemical modifications and pathological hairs. Goldsmith LA, et al. J Invest Dermatol 56:200-4, Mar 71
Incontinentia pigmenti (Block-Sulzberger syndrome) with electron microscope findings. Wong CK, et al.
Proc R Soc Med 64:25, Jan 71
[The histopathology of the lymphocytes in the skin. Lymphocytes in dermatological disorders] Mali JW.
Arch Belg Dermatol Syphiligr 24:251-8, 1968 (Dut)
[Genito-inguinal Paget's disease of skin] Civatte J, et al. Ann Dermatol Syphiligr (Paris) 97:508, 1970 (Fre)
[Applications of micro-analysis using the Castaing probe to skin histopathology] Duprez A, et al.
Ann Dermatol Syphiligr (Paris) 97:546-8, 1970 (Fre)
[Epidermodysplasia verruciformis: ultrastructural and autoradiographic study] Grupper C, et al.
Ann Dermatol Syphiligr (Paris) 98:33-47, 1971 (Fre)
[Papulo-tuberous mucinosis (sclero-myxedema). Study of 2 cases with using the electron microscope] Hollmann KH, et al.
Ann Dermatol Syphiligr (Paris) 97:381-90, 1970 (Fre)
[Ultrastructure study of skin infiltration by polyvinylpyrrolidone (substosan)] Leung TK, et al.
Ann Dermatol Syphiligr (Paris) 97:567-72, 1970 (Fre)
[Modifications of cutaneous elastic fibers in cyring cat disease (apropos of a further case)] Vissian L, et al.
Ann Dermatol Syphiligr (Paris) 98:53-6, 1971 (Fre)
[Electron microscopic aspects of the lymphocyte] Kint A, et al.
Arch Belg Dermatol Syphiligr 24:259-75, 1968 (Fre)
[Bloch-Sulzberger pigmented dermatitis at its early state (clinial and histopathological study)] Lapiere S.
Arch Belg Dermatol Syphiligr 24:57-65, 1968 (Fre)
[Ultrastructural study of dermal vascular lesions in the trisymptomatic syndrome of Gougerot (Leukocytoclasic vasculitis)] Perrot H, et al.
Arch Dermatol Forsch 241:44-55, 1971 (Fre)
[Isolated cutaneous calcification of the Winer's type localized in the eyelid] Dhermy P.
Arch Ophtalmol (Paris) 30:791-8, Nov 70 (Fre)
[Alterations in cutaneous melanin pigments encountered in the African during the course of various dermatoses] Sarrat H, et al.
Int J Dermatol 10:44-60, Jan-Mar 61 (Fre)
[Papulosis atrophicans maligna (Degos) with involvement of the nervous system] Herdemerten S, et al. Arch Psychiatr Nervenkr 214:33-45, 1971 (Ger)
[Changes in the mucosa of the small intestine in skin diseases] Riecken EO.
Internist (Berlin) 12:29-30, Jan 71 (Ger)
[The origin of the elastotic material. (An electron microscope study)] Ebner H.
Z Haut Geschlechtskr 44:889-94, 15 Oct 69 (Ger)
[Diseases of external female genitalia. Epidermal cysts. 1. Comedones 2. Militaria 3. Retention cysts 4. Epidermal- and dermoid cysts] Grimmer H.
Z Haut Geschlechtskr 46:25-32, 15 Feb 71 (Ger)
[Histological report No. 223. Degos syndrome (papulosis atrophicans maligna)] Seghal VN.
Z Haut Geschlechtskr 44:Suppl:145-8, 1 Nov 69 (Ger)
[Multicentric reticulohistiocytosis] Stöger H.
Z Haut Geschlechtskr 46:193-9, 15 Mar 71 (Ger)
[Experiments in biopathology of the skin. Brief review] Silvestri U.
Arch Ital Dermatol Venereol Sessuol 36:297-302, 1971 (Ita)
[Findings on the morphology and distribution of the Langerhans cells in some pathological conditions of the human epidermis] Lisi P.
Boll Soc Ital Biol Sper 46:895-7, 15 Nov 70 (Ita)
[Ultrastructural changes of hepatocytes in porphyria cutanea tarda. Preliminary note] Amerio PL, et al.
G Ital Dermatol 45:285-9, Apr 70 (Ita)
[On 3 cases of Gunther's multiple sebocystomatosis] Gullà P. Riv Patol Clin Sper 9:469-83, Oct-Dec 68 (Ita)
[Erythroderma macropapulosa seborrhoica senilis with mucinous degeneration of the skin] Kubicz J.
Przegl Dermatol 58:43-7, Jan-Feb 71 (Pol)
[Skin lesions in the course of sarcoidosis] Niewiadomska S, et al.
Przegl Dermatol 57:649-52, Sep-Oct 70 (Pol)
[Comparative histological studies of various stages of circumscribed scleroderma and Pasini-Pierini atrophoderma] Szczepański A.
Przegl Dermatol 58:9-14, Jan-Feb 71 (Pol)
[Subcorneal pustular dermatosis (Sneddon-Wilkinson 1956)] Rocha GL.
An Bras Dermatol 45:37-46, Jan-Mar 70 (Por)
[Clinico-histologic parallels in allergic nodular dermo-hypodermitis] Bazyka AP, et al.
Vestn Dermatol Venerol 44:8-15, Oct 70 (Rus)
[A case of elastosis perforans serpiginosa] Aliaga Boniche A, et al.
Actas Dermosifiliogr 61:79-86, Mar-Apr 70 (Spa)

PHYSIOPATHOLOGY

Local fibrinolytic activity in patients with cutaneous vasculitis. Cunliffe WJ, et al.
Br J Dermatol 84:420-3, May 71
The quantitative analysis of some constituents of crude sweat. Seutter E, et al. Dermatologica 141:226-33, 1970
Orientations. Sweet RD.
Trans St Johns Hosp Dermatol Soc 57:135-8, 1971
[Blood circulation disorders of the skin as a cosmetic and measuring technical problem] Forck G.
Cosmetologica 19:367-82, 20 Oct 70 (Ger)
[Proprioceptive regulation of the autonomic function of the skin] Datskovskiĭ BM.
Vestn Dermatol Venerol 44:21-5, Oct 70 (Rus)
[Functional state of the vascular system and electrolyte gradients in biological fluids in patients with dermatoses] Dobrotina NA, et al.
Vestn Dermatol Venerol 44:32-6, Nov 70 (Rus)
[State of the cardiovascular system in patients with certain dermatoses] Kochura OD, et al.
Vestn Dermatol Venerol 45:22-5, Feb 71 (Rus)

PREVENTION & CONTROL

Protection of the skin from irritation by petroleum ether. Spruit D, et al.
Arch Int Pharmacodyn Ther 189:376, Feb 71
The effect of povidone-iodine in controlling skin flora beneath occlusive dressings. Levine S.
J Am Podiatry Assoc 60:486-7, Dec 70
Plaques of cutaneous necrosis in skin-homografted mice. A method of prevention. Anderson SG, et al.
Transplantation 10:342-4, Oct 70
[Some results of dermatovenereological service in the Mari Autonomous Soviet Socialist Republic] Gorbashev LN.
Vestn Dermatol Venerol 44:54-6, Feb 70 (Rus)
[Prevention of pustulous diseases of the skin and subcutaneous tissue] Shaposhnikov OK.
Voen Med Zh 9:3-4, Sep 70 (Rus)
[Relationship between acetylcholine and cholinesterase in the organism of nursing mothers treated with vitamin B 15] Krasnoperova KE.
Vopr Okhr Materin Det 15:67-9, Aug 70 (Rus)

RADIOGRAPHY

The significance of mammary skin thickening in disorders other than primary carcinoma: a roentgenologic-pathologic correlation. Gold RH, et al.
Am J Roentgenol Radium Ther Nucl Med 112:613-21, Jul 71
[Radiography of the skin] Gros C, et al.
J Radiol Electrol Med Nucl 51:731-41, Dec 70 (Fre)
[The Thibierge-Weissenbach syndrome] Semat P, et al.
J Radiol Electrol Med Nucl 52:27-30, Jan-Feb 71 (Fre)

RADIOTHERAPY

[Possibilities and limits of dermatologic radiotherapy] Gahlen W. Hautarzt 22:325-9, Aug 71 (13 ref.) (Ger)
[Significance of threshold rays for the exploration of unsolved problems of the entire X-ray spectrum] Becker O. Radiol Clin Biol 39:247-52, 1970 (Ger)
[Position and indication for the conventional roentgen therapy] Kircher KH.
Wien Med Wochenschr 121:276-8, 3 Apr 71 (Ger)
[The new radon spring "Shalglia" in the therapy of certain dermatoses] Akimochkina RG, et al.
Vestn Dermatol Venerol 44:71-3, Jul 70 (Rus)

REHABILITATION

[Rehabilitation of patients with skin diseases] Kogoj F.
Berufsdermatosen 18:315-23, Dec 70 (Ger)
[Rehabilitation in dermatology] Stein D.
Med Monatsschr 24:315-6, Jul 70 (Ger)

SURGERY

Dermatologic surgery in aging skin. Epstein E.
Geriatrics 26:94-9, Mar 71
Cutaneous cryosurgery. Torre D.
NY State J Med 70:2551-4, 15 Oct 70
Method for closure of a pharyngocutaneous fistula. Case report. Monihan RM, et al.
Plast Reconstr Surg 47:384-5, Apr 71
Reconstruction of midline skin defects of the nose. Rintala AE, et al.
Scand J Plast Reconstr Surg 3:105-8, 1969
[A pitfall: para-maxillary facial cutaneous fistula] Daieff CY. Ann Chir Plast 15:336-9, 1970 (Fre)
[Long-term results in the surgical treatment of dermohypodermal sclerosis of legs] Vigoni M.
Phlebologie 23:203-10, Jul-Sep 70 (Fre)
[Dermo-surgery and cosmetology] Juon M.
Ther Umsch 27:547-9, Aug 70 (Fre)
[Surgical method in suppurated epithelial cysts of the sacrococcygeal area] Mironenko BA.
Klin Khir 11:70-3, Nov 70 (Rus)

THERAPY

Isolation-ward treatment for dermatoses. I. Clinical experiences. Molin L, et al.
Acta Derm Venereol (Stockh) 51:298-300, 1971
Isolation-ward treatment for dermatoses. II. Influence on bacterial colonization. Nyström B, et al.
Acta Derm Venereol (Stockh) 51:301-4, 1971
The use of liquid nitrogen in dermatological cryotherapy. Duperrat B, et al.
Australas J Dermatol 12:5-9, Apr 71
Notable advances in the treatment of skin diseases 1946-1970. Verbov J.
Br J Clin Pract 25:105-17, Mar 71 (18 ref.)
The practice of dermatology. Praytor HB Jr.
J Med Assoc State Ala 40:788 passim, Jun 71
Principles and practice of topical therapy. Adams RM.
Pediatr Clin North Am 18:685-712, Aug 71
[Hydrology and dermatology] Famaey JP.
J Belge Rhumatol Med Phys 24:217-27, Sep-Oct 69 (Fre)
[Use of porogaze dressings in dermatology] Delreux M.
J Sci Med Lille 89:173-6, Apr 71 (Fre)
[Thermal cure at Roche-Posay: opinion of a practicing dermatologist] Castelain PY.
Presse Therm Climat 106:134-40, 1969 (Fre)
[Use of electrocoagulation equipment in dermatologic practice] Cottenot F, et al.
Therapeutique 47:411-2, Apr 71 (Fre)
[Climate therapy of skin diseases. Establishment and evaluation from a clinical viewpoint] Proppe A.
Cosmetologica 19:27-32 contd, 20 Feb 70 (Ger)
[Climate therapy of skin diseases. Establishment and evaluation from a clinical view] Proppe A.
Cosmetologica 19:1-6 contd, 20 Jan 70 (Ger)
[Climate therapy of skin diseases. Establishment and evaluation fro a clinical view] Proppe A.
Cosmetologica 19:89-94 concl, 20 Mar 70 (Ger)
[Use of tissue adhesives in dermatological dressings] Sokolowski F.
Dermatol Monatsschr 157:133-41, Feb 71 (Ger)
[News from the American dermatology. I] Hollander A.
Hautarzt 20:532-7, Dec 69 (Ger)
[Aspects of ethnoiatrics of the XIXth century in the archives of manuscripts of Professor Grigore Cretu. I. Remedies used by the Rumanian people in skin diseases] (Cretu G), Sefer M.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Microbiol Parazitol Epidemiol (Bucur) 16:87-95, Jan-Feb 71 (Rum)
[Therapeutic diet in skin diseases] Ashmarin Iula.
Vestn Dermatol Venerol 45:3-8, Feb 71 (Rus)
[Mechanism of the therapeutic effect of segmentary ultrasonic treatment] Bazyka AP, et al.
Vestn Dermatol Venerol 45:32-8, Jan 71 (Rus)
[Effect of mud procedures on the functional state of capillaries in skin diseases] Dzhumamuratova DI.
Vestn Dermatol Venerol 45:40-2, Jan 71 (Rus)
[Treatment of certain chronic dermatoses with hypererythemic doses of ultraviolet rays] Evdokimov PE. Vestn Dermatol Venerol 44:74-5, Jul 70 (Rus)
[Effect of Boracic-I and Boracic-II Sukhumi mineral waters on the reactivity of the organism of patients with various dermatoses] Khrunova AP, et al.
Vestn Dermatol Venerol 44:31-4, Jun 70 (Rus)
[Ozone therapy with the aid of a Bulgarian ozonator] Kostov D, et al.
Vestn Dermatol Venerol 43:71-2, Aug 69 (Rus)
[Experience in the treatment of certain dermatoses with subcutaneous administration of oxygen] Makeev VA. Vestn Dermatol Venerol 44:70-1, Feb 70 (Rus)
[Experience in the use of diadynamic current in several dermatoses] Rodionova TN, et al.
Vestn Dermatol Venerol 44:75-7, Oct 70 (Rus)
[Indices of the quality of medical care of patients with dermatologic and venereal disease] Turanov NM, et al. Vestn Dermatol Venerol 44:62-7, Mar 70 (Rus)
[Treatment of skin diseases in the "Paratunka" sanatorium] Vinokurov GI.
Voen Med Zh 9:36-8, Sep 70 (Rus)
[Slag waters in the complex therapy of chronic dermatitis] Gerasimov BS.
Vopr Kurortol Fizioter Lech Fiz Kult 35:288, May-Jun 70 (Rus)
[Ultrasonic therapy of some skin diseases] Shpektorova RA.
Vopr Kurortol Fizioter Lech Fiz Kult 35:549-51, Nov-Dec 70 (Rus)
[Experience in the treatment of several dermatoses at the health resort at Kaiakent in the Daghestan ASSR] Skripkin IuK, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:312-4, Jul-Aug 70 (Rus)
[Balneologic reaction in patients with dermatoses being treated with iodine-bromine water] Zorin PM.
Vopr Kurortol Fizioter Lech Fiz Kult 35:369-71, Jul-Aug 70 (Rus)

URINE

Vitamin B12 excretion in patients with various skin diseases. Marks J, et al. Br Med J 3:618-21, 12 Sep 70
Urinary acid mucopolysaccharide excretion in skin disease. Mier PD, et al. Dermatologica 141:34-7, 1970
Biochemical studies in phrynoderma (follicular hyperkeratosis). 3. Thiamine, riboflavin and nicotinic acid nutritional status of children suffering from phrynoderma. Bhat KS, et al.
Indian J Med Res 58:753-7, Jun 70
[Urinary excretion of testosterone in patients with skin diseases and genital tumors and breast tumors] Calandra P. G Ital Dermatol 45:533-6, Sep 70 (Ita)

VETERINARY

Lobo's disease in an atlantic bottle-nosed dolphin. Migaki G, et al. J Am Vet Med Assoc 159:578-82, Sep 71
Intradermal tests as an aid to the diagnosis of skin disease in dogs. Baker KP.
J Small Anim Pract 12:445-52, 8 Aug 71
Use and misuse of steroids in canine and feline dermatology. Daykin PW.
J Small Anim Pract 12:425-30, 8 Aug 71
The immunology of allergic skin disease. Halliwell RE.
J Small Anim Pract 12:431-43, 8 Aug 71
Cutaneous streptothricosis (dermatophiliasis) in owl monkeys. King NW, et al.
Lab Anim Sci 21:67-74, Feb 71
There is but one medicine. Parish LC, et al.
Pa Med 74:65-6, Jan 71
The differential diagnosis of viral skin infections of the bovine teat. Gibbs EP, et al. Vet Rec 87:602-9, 14 Nov 70
[Cystic formations in the skin of domestic animals] Fezer G, et al.
Arch Exp Veterinaermed 23:923-33, Nov 69 (Ger)
[Melanosis maculosa and malignant melanoma in a bull] Geisel O, et al.
Berl Munch Tieraerztl Wochenschr 83:418-20, 1 Nov 70 (Ger)
[Cutaneous myiasis in sheep] Ribbeck R, et al.
Monatsh Vet Med 25:959-60, 15 Dec 70 (Ger)

SKIN DISEASES, INFECTIOUS

(C1, C12)

see also related
FOXVIRUS INFECTIONS (C1)

Rifkind D: Nocardia brasiliensis lymphocutaneous syndrome. Bates RR. Am J Dis Child 121:246-7, Mar 71
Sporotrichoid infection caused by a Mycobacterium. Shapiro L. Arch Dermatol 103:555-6, May 71
[Cutaneous cryptococcosis: experimental study] Song M.
Arch Belg Dermatol Syphiligr 26:21-6, Jan-Mar 70 (Fre)
[Skin lesions in histoplasmosis] Vanbreuseghem R.
Arch Belg Dermatol Syphiligr 26:501-7, Jul-Sep 70 (Fre)
[Staphylococcia in a newborn infant contracted "in utero"] Dumont M, et al.
Lyon Med 221:931-2, 20 Apr 69 (Fre)
[2 cases of herpes gestationis] Rollier R, et al.
Lyon Med 221:963-4, 20 Apr 69 (Fre)
[Experimental herpes simplex virus infection of the skin of hairless mice] Munk K, et al.
Arch Klin Exp Dermatol 239:22-9, 1970 (Ger)
[Clinical picture and course of pustulous bacterids] Weise HM.
Z Haut Geschlechtskr 46:319-37, 15 May 71 (Ger)
[My opinion on eczema, with special reference to bacterial and seborrhoic eczema] Yamada M.
Acta Dermatol (Kyoto) 65:165-83, Nov 70 (Jap)

COMPLICATIONS

Endemic nephritis and streptococcal infections in South Trinidad. Surveillance studies during the first year following a major epidemic. Ortiz JS, et al.
Arch Intern Med 126:640-6, Oct 70
Streptococcal skin infection and acute glomerulonephritis. Dillon HC Jr.
Postgrad Med J 46:641-52, Nov 70 (33 ref.)

DIAGNOSIS

"Bugs". Martalock DL. Arch Dermatol 103:339, Mar 71
The laboratory investigation of vesicular skin rashes. Bedson HS. Public Health 85:171-4, May 71
Indirect methods of diagnosis in rickettsial dermatoses. Principles and their value (from our experience in 550 cases). Noaghea G.
Rom Med Rev 14:51-4, 1970
[Scarlatina syndromes of staphylococcal etiology] Bertrand JL, et al. Presse Med 78:2284, 28 Nov 70 (Fre)

DRUG THERAPY

Bacitracin and tyrothricin. Kanof NB.
Med Clin North Am 54:1291-3, Sep 70 (9 ref.)
The treatment of dermatological infections with a manganese phenanthroline chelate. A controlled clinical trial. Cade G, et al.
Med J Aust 2:304-9, 15 Aug 70
Cephalexin (Keflex).
Med Lett Drugs Ther 13:25-6, 2 Apr 71
How I treat erythrasma. Terezakis N.
Postgrad Med 48:201-3, Aug 70
General practitioners' forum. Flucloxacillin in the treatment of skin and soft-tissue infections. Harding JW, et al. Practitioner 205:801-6, Dec 70
[Extensive spontaneous cutaneous gangrene of the back of pure streptococcal etiology in an adult. Cure by lincomycin] Fayolle MJ.
Bull Soc Fr Dermatol Syphiligr 76:707-8, 1969 (Fre)
[The therapeutic use of anti-A-HP in the treatment of staphylococcal skin diseases as a result of the affinity of the heterophil anti-A-HP AGGLUTININS FOR TEICHOIC ACID] Prokop O, et al.
Acta Biol Med Ger 24:K19-23, 1970 (Ger)
[Biochemical-pharmacological observations on the external administration of glucocorticoids alone or together with antimicrobial substances] Raab W.
Hautarst 22:233-8, Jun 71 (138 ref.) (Ger)
[Experiences with staphylococcal infections of the skin and respiratory passages in a 3 year patient study during the years 1964 to 1966] Turay P, et al.
Kinderaerztl Prax 37:193-201, May 69 (Ger)
[Gentamicin in the use of skin diseases of microbiol origin] Giannetti A, et al.
G Ital Chemioter 16:335-7, Jan-Sep 69 (Ita)
[Use of gentamicin spray in skin diseases] Giuliani V.
G Ital Chemioter 16:338-40, Jan-Sep 69 (Ita)
[Therapeutic directions for use of gentamicin in dermatology on the basis of clinical experience] Rizzi V. G Ital Chemioter 16:345-8, Jan-Sep 69 (Ita)
[Use of gentamicin in dermatovenereology and in burn therapy] Serri F.
G Ital Chemioter 16:327-9, Jan-Sep 69 (Ita)
[Clinical experiences with gentamicin sulfate cream] Trippetti M.
G Ital Chemioter 16:349-53, Jan-Sep 69 (Ita)
[Gentamicin for topical use in dermatology] Zanca A.
G Ital Chemioter 16:354-9, Jan-Sep 69 (Ita)
[Contribution to the study of erythromycin combined with betaine, in controlling the most common toxi-infectious states in medical practice] Ogawa P.
Rev Bras Med 28:132-4, Mar 71 (Por)
[Therapeutic study of the action of an enzyme-antibiotic combination in the treatment of cutaneous infections] Vasconcelos W.
Rev Bras Med 26:616-9, Oct 69 (Por)
[Clinical experience with cephalexin] Lasala FG, et al.
Prensa Med Argent 58:65-74, 12 Mar 71 (Spa)
[Use of erythromycin ethyl succinate in acute infectious pictures of the respiratory system, eyes and skin] Morice J, et al.
Rev Chil Pediatr 41:450-3, Jun 70 (Spa)

ETIOLOGY

The contribution of individual patients to the spread of infection. Noble WC. Br J Dermatol 85:24-9, Jul 71
Skin infection with Mycobacterium marinum from a tropical fish tank. Barrow GI, et al.
Br Med J 2:505-6, 29 May 71
Cases of Mycobacterium borstelense and M. abscessus infection observed in Belgium. Pattyn SR, et al.
J Med Microbiol 4:145-9, Feb 71
Bacteria on antibiotic tulle. Westcombe KG.
Lancet 1:1299, 19 Jun 71
Mycobacterial sporotrichoid. Keir MI.
Proc R Soc Med 64:608-9, Jun 71
[Skin infections caused by atypical mycobacteria] De Vriendt D, et al.
Arch Belg Dermatol Syphiligr 26:545-50, Oct-Dec 70 (Dut)
[Demonstrations from clinical bacteriology] Reber H.
Pathol Microbiol (Basel) 36:279-80, 1970 (Ger)
[Staphylococcal epidemic infection in a maternity ward caused by a bacterial strain 52-52A-80-81 resistant to erythromycin] Galiński J, et al.
Ginekol Pol 42:495-500, Apr 71 (Pol)

METABOLISM

[Glucose contents of the skin in relation to superficial infections in patients treated with corticosteroids] Coninx SH.
Arch Belg Dermatol Syphiligr 26:551-6, Oct-Dec 70 (Dut)

MICROBIOLOGY

Bacteriologic and immunoallergic aspects in streptoderma. Mihaicu F, et al.
Arch Roum Pathol Exp Microbiol 29:197-203, Mar-Jun 70
Corynebacterium diphtheriae in skin lesions in Ugandan children. Berjak V, et al.
Bull WHO 43:643-50, 1970
The significance of secondary infection in a skin hospital. Noble WC.
Trans St Johns Hosp Dermatol Soc 56:26-9, 1970
[Reappearance of soft chancre (5 cases)] Perrot H, et al. Lyon Med 225:649-50, 11 Apr 71 (Fre)
[Laboratory diagnosis of soft chancre; difficulties] Lyon Med 225:648-9, 11 Apr 71 (Fre)

OCCURRENCE

Cutaneous sporotrichosis. Beer, bricks, and bumps. Sanders E. Arch Intern Med 127:482-3, Mar 71
The pattern of infection in a skin hospital. Noble WC.
J Med Microbiol 4:p3, May 71

PATHOLOGY

Further electron microscopic observations of herpes zoster virus. Hasegawa T.
Arch Dermatol 103:45-9, Jan 71
[Polymorphous and profuse histoplasmosis in a Senegalese woman] Faye I, et al.
Bull Soc Fr Dermatol Syphiligr 77:487-9, 1970 (Fre)
[Association of skin and lung localization in Schenk's sporotrichosis] Jovičić B, et al.
Berufsdermatosen 18:343-9, Dec 70 (Ger)

PREVENTION & CONTROL

A "soap trial" for the treatment of erythrasma. Somerville DA, et al.
Trans St Johns Hosp Dermatol Soc 56:172-4, 1970
[Problems of infection among the mentally retarded] Andrén-Sandberg M.
Lakartidningen 68:1093-100, 3 Mar 71 (Swe)

THERAPY

Isolation-ward treatment for dermatoses. I. Clinical experiences. Molin L, et al.
Acta Derm Venereol (Stockh) 51:298-300, 1971

VETERINARY

Comparison of strains of Dermatophilus congolensis Van Saceghem 1915 isolated from different species of animals. el-Nageh MM.
Ann Soc Belg Med Trop 51:239-46, 1971
Pox in South American sea lions (Otaria byronia). Wilson TM, et al. Can J Comp Med 35:174-7, Apr 71
Dermatophilosis in cattle from Rio Grande Do Sul (Brazil). Londero AT, et al. Mykosen 11:25-8, 1 Jan 68
Observations on blood parameters of brown trout with ulcerative dermal necrosis. Carbery JT.
Res Vet Sci 11:491-3, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SKIN DISEASES, PARASITIC (C1, C12)

see also related
ECTOPARASITIC INFESTATIONS (C1)

Cutaneous myiasis by Dermatobia hominis. McIver SB, et al. Can Med Assoc J 104:771, 8 May 71
Gasterophilus intestinalis, the horse bot-fly as a cause of cutaneous myiasis in man. Heath AC, et al. NZ Med J 68:31-2, Jul 68
[Cutaneous myiasis (a clinical case)] Gomez Orbaneja, et al. Actas Dermosifiliogr 61:57-63, Mar-Apr 70 (Spa)
[Cutaneous amebiasis in infants] Martuscelli A, et al. Prensa Med Mex 35:19-25, Jan-Feb 70 (Spa)

DIAGNOSIS

[Cutaneous amebiasis: report of a case] Valdés AG. Int J Dermatol 10:134-8, Apr-Jun 71 (Spa)

DRUG THERAPY

[Experience in the treatment of Demodex infection of the face by electrophoresis with potassium iodide solutions] Voloshchenko AE. Vestn Dermatol Venerol 44:72-4, Oct 70 (Rus)
[Cephalexin monohydrate in the treatment of bone and soft tissue infections] Hernandez B, et al. Prensa Med Mex 32-5, Sep-Oct 70 (Spa)
[Cephalexin monohydrate in infections of the soft and superficial tissues] Mendez Hernandez D, et al. Prensa Med Mex 27-31, Sep-Oct 70 (Spa)

VETERINARY

Demodicidosis in calves. Ray SK, et al. Indian Vet J 47:300-3, Sep 70
Residues in milk following treatment of cows with lindane or ronnel to control screw-worms. Oehler DD, et al. J Econ Entomol 63:1467-8, Oct 70
Leishmania hertigi sp. n., from the tropical porcupine, Coendou rothschildi Thomas. Herrer A. J Parasitol 57:626-9, Jun 71
Parasitic skin diseases of dogs and cats. Baker KP. Vet Rec 87:452-9, 17 Oct 70
Pathology of the skin. Head KW. Vet Rec 87:460-70, 17 Oct 70
Parasitic skin diseases of large animals. Wood JC. Vet Rec 87:471-3, 17 Oct 70
[Occurrence of skin warble fly larvae in wild deer] Eichhorn G, et al. Monatsh Vet Med 25:275-8, 1 Apr 70 (Ger)
[Occurrence and spread of swine ectoparasites] Gräfner G, et al. Monatsh Vet Med 24:773-6, 15 Oct 69 (Ger)
[Dynamics of infestation of cattle with Hypoderma bovis De Geer, 1776. 2. Occurrence of larvae I in the spinal canal and localization of the grubs in cattle] Hiepe T, et al. Monatsh Vet Med 24:289-93, 15 Apr 69 (Ger)
[Dynamics of infestation of cattle with Hypoderma bovis De Geer, 1776. 1st communication: Emergence of larvae 3 (grubs) under the dorsal skin of cattle with special consideration of fresh supplies of larvae] Mieth K, et al. Monatsh Vet Med 24:8-14, 1 Jan 69 (Ger)
[Further attempts at perfusion management of warble fly larvae] Mieth K, et al. Monatsh Vet Med 24:5-8, 1 Jan 69 (Ger)

SKIN MANIFESTATIONS (C12)

Focal dermal hypoplasia. Ocular and general manifestations with a survey of the literature. Warburg M. Acta Ophthalmol (Kbh) 48:525-36, 1970
The skin and the gut. Owens DW. Am J Gastroenterol 55:237-48, Mar 71 (43 ref.)
Chronic vitamin A intoxication in adults. Hepatic, neurologic and dermatologic complications. Muenter MD, et al. Am J Med 50:129-38, Jan 71
Migratory arthralgias and cutaneous lesions as confusing initial manifestations of gonorrhea. Wheeler JK, et al. Am J Med Sci 260:150-9, Sep 70
The cutaneous amyloidoses. II. Systemic forms. Brownstein MH, et al. Arch Dermatol 102:20-8, Jul 70
Skin markers of malignancy. Newbold PC. Arch Dermatol 102:680-92, Dec 70 (122 ref.)
Chronic meningococcemia. Nielsen LT. Arch Dermatol 102:97-101, Jul 70
An unusual cutaneous manifestation of systemic lupus erythematosus. Sehgal VN, et al. Arch Dermatol 103:463-4, Apr 71
Dermatologic manifestations of fatal granulomatous disease of childhood. Windhorst DB, et al. Arch Dermatol 103:351-7, Apr 71
Sarcoidosis in a patient with Down's syndrome (mongolism). Kanjilal GC, et al. Br J Clin Pract 24:309-11, Jul 70
The skin changes associated with internal malignancy. Savin JA. Br J Clin Pract 24:501-6, Nov 70 (41 ref.)
Skin manifestations of folic acid deficiency. Nagaraju M, et al. Br J Dermatol 84:32-6, Jan 71
Disseminated intravascular coagulation presenting with cutaneous symptoms. Haim S, et al. Dermatologica 141:239-46, 1970
The significance of a white macule on the skin of a child. Bundey S. Dev Med Child Neurol 12:805-6, Dec 70
Acute barbiturate poisoning with cutaneous lesions. Annamalai R. Indian J Dermatol 16:55-6, Apr 71
Skin lesions in diabetes mellitus. Pickar G. J Med Soc NJ 68:187-91, Mar 71
Fine structure of the skin in angiokeratoma corporis diffusum (Fabry's disease). Mullem PJ van, et al. J Pathol 101:221-6, Jul 70
Extrapulmonary effects of cancer of the lung and pleura. Endocrine, muscular, cutaneous, hematologic, and cardiovascular manifestations not due to metastases. Kennedy JH. J Thorac Cardiovasc Surg 61:514-29, Apr 71
Barbiturate coma bullae. Borda IT. JAMA 214:1564, 23 Nov 70
Skin conditions that may signal internal malignancy. Brodkin RH, et al. Med Times 99:47-52, Jan 71
[Localised sweating disorders as diagnostic criteria] Schliack H, et al. Med Welt 22:1421-5, 11 Sep 71
Cutaneous manifestations of disorders of metabolism of phenylalanine-tyrosine. Barnshad J. Mo Med 68:382-5, Jun 71
Microsporum gypseum--infection with a nodular id-reaction. Sonck CE. Mykosen 12:343-8, 1 Jun 69
Leukemia cutis manuum. Ausubel H, et al. NY State J Med 70:2835-7, 15 Nov 70
Neurocutaneous syndromes in children. Allen R. Postgrad Med 50:83-9, Aug 71
Colors of the newborn. Cochran WD. Postgrad Med 49:206-11, May 71
Common cutaneous manifestations and problems of diabetes mellitus. Fusaro RM, et al. Postgrad Med 49:84-90, Jun 71
Cutaneous manifestations of visceral malignancy. Sneddon IB. Postgrad Med J 46:678-85, Nov 70 (102 ref.)
Failure to alter skin inflammation by hypnotic suggestion in five subjects with normal skin reactivity. Beahrs JO, et al. Psychosom Med 32:627-31, Nov-Dec 70
Psychosomatic skin disorders in survivors of Nazi concentration camps. Shanon J. Psychosomatics 11:95-8, Mar-Apr 70
Skin clues in the diagnosis of rheumatism and arthritis. Gordon W. S Afr Med J 44:1186-9, 17 Oct 70
Nonmetastatic extrapulmonary manifestations of bronchogenic carcinoma. Sealy WC. Surgery 68:906-13, Nov 70
Cutaneous manifestations of African histoplasmosis. Lucas AO. Trans R Soc Trop Med Hyg 65:27, 1971
[Atypical case of gonococcal bacteremia] Jacobsen M, et al. Ugeskr Laeger 133:6-7, 8 Jan 71 (Dan)
[Skin manifestations in acute barbiturate poisoning] Van Hecke E. Arch Belg Dermatol Syphiligr 26:53-60, Jan-Mar 70 (Dut)
[Skin manifestations in multiple myeloma] Ramselaar CG. Ned Tijdschr Geneeskd 114:1796-8, 24 Oct 70 (Dut)
[Acute reticulosarcomatosis] Kint A, et al. Arch Belg Dermatol Syphiligr 24:79-81, 1968 (Fre)
[Cutaneous localizations of Waldenstrom's macroglobulinemi] Bureau Y, et al. Bull Acad Natl Med (Paris) 152:149-52, 1968 (Fre)
[Francois' dyscephaly syndrome and skin manifestations] François J, et al. Bull Soc Belge Ophtalmol 155:541-59, Jun 70 (Fre)
[Annular granuloma with persistent lipoid deposits in a child] Bourgeois-Spinasse J, et al. Bull Soc Fr Dermatol Syphiligr 76:152-3, 1969 (Fre)
[Purpura, signal symptom of dysglobulinemia] Bureau Y, et al. Bull Soc Fr Dermatol Syphiligr 77:620-30, 1970 (Fre)
[Occurrence and clinical and histological characteristics of the bullous lesions of chronic lymphoid leukemia] Bureau Y, et al. Bull Soc Fr Dermatol Syphiligr 76:449-51, 1969 (Fre)
[A case for diagnosis] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 76:398-9, 1969 (Fre)
[Peculiar appearance of blast cells in the skin manifestations of Bourneville's tuberous sclerosis] Duperrat B, et al. Bull Soc Fr Dermatol Syphiligr 76:868-70, 1969 (Fre)
[Skin manifestations of hypoglobulinemia and agammaglobulinemia] Graciansky P de, et al. Bull Soc Fr Dermatol Syphiligr 77:654-65, 1970 (Fre)
[Skin manifestations in cryoglobulinemia] Hewitt J, et al. Bull Soc Fr Dermatol Syphiligr 77:630-54, 1970 (Fre)
[Abt-Letterer-Siwe disease] Hunziker N, et al. Bull Soc Fr Dermatol Syphiligr 77:342-4, 1970 (Fre)
[Marfan's syndrome] Le Coulant P, et al. Bull Soc Fr Dermatol Syphiligr 78:55-6, 1971 (Fre)
[The skin and pregnancy] Nikolowski W. Cah Med 12:225-7, 28 Feb 71 (Fre)
[Scarlatinal syndromes of staphylococcal etiology] Bertrand JL, et al. Lyon Med 225:31-9, 10 Jan 71 (Fre)
[The cutaneous lesions of sarcoidosis] Colomb D, et al. Lyon Med 225:967-73, 23 May 71 (Fre)
[The skin manifestations of disseminated lupus erythematosus] Colomb D, et al. Lyon Med 18:Suppl:83-7, 1971 (Fre)
[Skin manifestations in diabetes] Laugier P. Praxis 59:243-6, 17 Feb 70 (Fre)
[Scariatina syndromes of staphylococcal etiology] Bertrand JL, et al. Presse Med 78:2284, 28 Nov 70 (Fre)
[Skin manifestations in Hodgkin's disease] Escande JP. Presse Med 79:351, 13 Feb 71 (Fre)
[Skin changes in children with influenza embryopathy] Schlack HG. Arch Kinderheilkd 183:129-34, Jul 71 (Ger)
[Acute lymphoid and monocytoid paramyeloblastosis with Darier's disease-like skin changes] Balabanov K, et al. Dermatol Monatsschr 156:655-8, 1970 (Ger)
[Wiskett-Aldrich syndrome] Günther W, et al. Dermatol Monatsschr 157:180-7, Mar 71 (Ger)
[Skin manifestations in genetic disturbances of the amino acid metabolism] Knapp A. Dermatol Monatsschr 156:548-54, 1970 (Ger)
[Skin manifestations in chromosome anomalies] Zabel R, et al. Dermatol Monatsschr 156:562-6, 1970 (Ger)
[Skin manifestations in malignant diseases. I. Blood vessel manifestations, Acanthosis nigricans] Belisario JC. Hautarzt 22:95-100, Mar 71 (Ger)
[Skin manifestations in malignant diseases. II. Intestinal polyposis, monitrice, metastasizing carcinoid, dermatomyositis] Belisario JC. Hautarzt 22:139-43, Apr 71 (Ger)
[Are there typical skin manifestations in psoriatic arthritis and psoriatic spondylarthritis?] Theiss B. Hautarzt 22:63-8, Feb 71 (Ger)
[Skin and peripheral circulation. II. Diagnostic, etiologic and clinical relationships] Köster R. Med Klin 65:997-1004, 15 May 70 (Ger)
[The influence of intercurrent skin allergies on the course of depressive psychoses] Gall H. Psychiatr Neurol Med Psychol (Leipz) 22:259-62, Jul 70 (Ger)
[Skin findings in gout] Kříšek V, et al. Ther Ggw 109:1652-4 passim, Nov 70 (Ger)
[Skin- and mucous membrane changes in ornithosis] Franki J, et al. Z Haut Geschlechtskr 46:303-6, 1 May 71 (Ger)
[Case of multiple myeloma with skin manifestations and crystalline corneo-conjunctival degeneration] Castellazzo R, et al. Ann Ottalmol Clin Ocul 94:509-17, May 68 (Ita)
[Transparent cutis as a symptom for the early diagnosis of senile osteoporosis] Baronti G, et al. G Gerontol 18:77-88, Feb 70 (Ita)
[Skin pH of the sebaceous regions and its role in the development of skin manifestations] Perisic S, et al. G Ital Dermatol 46:146-8, Mar 71 (Ita)
[Generalized hereditary hyperostosis with pachydermia associated with Paget's osteodystrophy: 1 case] Stuart C, et al. Radiol Med (Torino) 55:1-6, Jan 69 (Ita)
[Paraneoplastic dermatosis in endocrine type carcinoma of the pancreas] Bianchi C, et al. Riv Anat Patol Oncol 33:319-29, 1968 (Ita)
[Minor symptoms of the skin] Yasuda T. Clin Endocrinol (Tokyo) 18:955-8, Dec 70 (Jap)
[Cutaneous symptoms in Basedow's disease] Yasuda T. Jap J Clin Med 29:1328-31, May 71 (Jap)
[Behcet's disease--cutaneous manifestations] Fukushiro R, et al. Saishin Igaku 26:489-96, Mar 71 (Jap)
[Dermatological thrapy of Behcet's syndrome] Nishiyama S. Saishin Igaku 26:521-4, Mar 71 (Jap)
[Dermatologic manifestations in venous insufficiency of the lower leg and their treatment] Wereide K. Tidsskr Nor Laegeforen 90:2068-92, 15 Nov 70 (Nor)
[Skin lesions in a case of acute fatal sodium cyanide poisoning] Janiszewska M, et al. Przegl Dermatol 57:755-7, Nov-Dec 70 (Pol)
[Skin changes in diseases of internal organs] Prokopchuk AIa, et al. Przegl Dermatol 57:741-4, Nov-Dec 70 (Rus)
[Skin and visible mucous membrane lesions in chromosome diseases] Belen'kiĭ GB. Sov Med 33:67-70, Sep 70 (Rus)
[Comparative clinical characteristics of the cutaneous form of anthrax among adults and children vaccinated and unvaccinated with STI vaccine] Baigel'dieva AB. Sov Zdravookhr Kirg 6:40-3, Nov-Dec 70 (Rus)
[Dermatologic symptomatology in congenital enzymopathies] Suvorova KN. Vestn Dermatol Venerol 44:8-12, Dec 70 (Rus)
[Klippel-Feil's syndrome associated with horseshoe kidney and brown and white spots] Hita Pérez J, et al. Rev Clin Esp 119:263-8, 15 Nov 70 (Spa)

CLASSIFICATION

[Skin phacomatoses] De Luca M. Rass Int Clin Ter 51:175-8, 15 Feb 71 (Ita)

ETIOLOGY

[4 cases of Osler's disease] Lachard J, et al. Rev Stomatol Chir Maxillofac 71:405-10, Jul-Aug 70 (Fre)

SKIN NEOPLASMS (C2)

Alopecia areata in association with intestinal polyposis. The relationship of two syndromes--Gardner's and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cronkhite--Canada. Izumi AK, et al.
Acta Derm Venereol (Stockh) 50:381-4, 1970
Basal cell carcinoma in Gardner's syndrome. Lewis RJ, et al. Acta Derm Venereol (Stockh) 51:67-8, 1971
Multiple keratoacanthoma (self-healing squamous epithelioma according to Ferguson-Smith). Rajka G.
Acta Derm Venereol (Stockh) 51:233-5, 1971
Solitary mastocytomas. Holmberg L.
Acta Paediatr Scand 60:109, Jan 71
Recklinghausen's disease: a multifacetted syndrome. Schönebeck J, et al.
Acta Pathol Microbiol Scand [A] 78:437-42, 1970
Custom modification of a frame to allow a patient with cancer of the nose to comfortably wear spectacles. A case report. Springer DA.
Am J Optom 47:798-800, Oct 70
Extra nodal spread of Hodgkin's disease. Medina A, et al.
Am J Roentgenol Radium Ther Nucl Med 111:368-75, Feb 71
Perianal Paget's disease. Kavile H, et al.
Am Surg 37:485-9, Aug 71
Problems in anesthetic and airway management with Gardner's syndrome--report of a case. Pappas MT, et al. Anesth Analg (Cleve) 50:340-3, May-Jun 71
Nevoid basal cell carcinoma of the palm. Taylor WB, et al. Arch Dermatol 102:654-5, Dec 70
Metastatic basal cell carcinoma. A review. Wermuth BM, et al. Arch Pathol 90:458-62, Nov 70 (29 ref.)
Case report: angiokeratosis naeviformis. Apted JH.
Australas J Dermatol 11:87-92, Aug 70
Granuloma pyogenicum. Hare PJ.
Br J Dermatol 83:513-5, Oct 70 (14 ref.)
Multicentric pigmented Bowen's disease. Wilson HT.
Br J Dermatol 84:103-4, Feb 71
Multiple malignant melanoma. Report of a patient with four primary malignant cutaneous melanomas. Greenhalgh RM, et al. Br J Plast Surg 24:301-6, Jul 71
Von Recklinghausen's disease. Das Gupta TK, et al.
CA 21:174-83, May-Jun 71
Vasoactive substances in Kaposi's sarcoma. Bhana D, et al. Cancer 27:233-7, Jan 71
Cutaneous angiosarcoma. Girard C, et al.
Cancer 26:866-83, Oct 70
Dermal collagen changes during 2-aminoanthracene carcinogenesis in the rat. Pinto JS, et al.
Cancer Res 30:1166-73, Apr 70
Squamous cell carcinoma of the skin. Its incidence and etio-pathogenesis in 625 cases. Talvalkar GV.
Indian J Cancer 7:24-33, Mar 70
Calcifying epithelioma. (Report of a case). Dey NC, et al. Indian J Dermatol 15:107-10, Jul 70
Malignant melanoma presenting with bone metastasis and food drop. Waller SO, et al.
Med J Aust 1:271-2, 30 Jan 71
Gardner's syndrome: a report of four cases. Leichtling JJ. Mt Sinai J Med NY 38:311-23, May-Jun 71
The clinical diagnosis, classification and histogenetic concepts of the early stages of cutaneous malignant melanomas. Mihm MC Jr, et al.
N Engl J Med 284:1078-82, 13 May 71 (12 ref.)
Basal cell nevus syndrome in a Negro. Case report. Lipshutz H, et al. Plast Reconstr Surg 47:293-5, Mar 71
Metastasizing basal cell carcinoma. Almeyda J, et al.
Proc R Soc Med 64:611-2, Jun 71
Granular cell myoblastoma. Savin JA, et al.
Proc R Soc Med 64:863-4, Aug 71
Gastrointestinal malignant melanoma. A report of an unusual case. MacLean RH.
Rocky Mt Med J 68:42-3, Jul 71
Gardner's syndrome. Kaufman SM.
South Med J 64:1020-2, Aug 71
Multiple histiocytomata. A report of 3 patients. Marks R. Trans St Johns Hosp Dermatol Soc 57:197-201, 1971
Keratoacanthoma. Scrimenti RJ.
Wis Med J 70:32, Feb 71
[Metastases of skin tumors in the parotid and submandibular lymphatic glands] Černý L, et al.
Cas Lek Cesk 110:294-7, Mar 71 (Cze)
[Apropos of certain late and isolated cutaneous metastases from breast neoplasms] Michel PJ, et al.
Ann Dermatol Syphiligr (Paris) 98:63-70, 1971 (Fre)
[Intraepidermal epitheliomas of Borst and Jadasshon] Nicolis G, et al.
Ann Dermatol Syphiligr (Paris) 98:161-70, 1971 (Fre)
[An unusual tumor of the lobule of the nose. Jadassohn's sebaceous nevus] Bereszin A, et al.
Ann Otolaryngol Chir Cervicofac 87:833-4, Dec 70 (Fre)
[A special form of epithelioma of aged women: botryomycoma-type epithelioma] Bureau Y, et al.
Arch Belg Dermatol Syphiligr 26:219-27, 1970 (Fre)
[Vascular nevus: angioma] Haven E, et al.
Arch Belg Dermatol Syphiligr 26:337-45, Jul-Sep 70 (Fre)
[Subungual neoformations] Mathieu R.
Arch Belg Dermatol Syphiligr 24:45-8, 1968 (Fre)
[2 cases of Abrikossoff's tumor with cutaneous localization] Midana A, et al.
Arch Belg Dermatol Syphiligr 26:435-40, Jul-Sep 70 (Fre)
[Recurrence of malignant melanoma] Vercruysse A.
Arch Belg Dermatol Syphiligr 26:589, Oct-Dec 70 (Fre)
[Darier-Ferrand dermato-fibro-sarcoma] Pélegris M, et al. Bord Med 4:729-30 passim, Mar 71 (Fre)
[New factors in the clinical aspect of malignant cutaneous melanoma] Spitalier JM, et al.
Bull Cancer (Paris) 57:403-11, Oct-Dec 70 (Fre)
[Cutaneous malignant melanoma and females] Aymé Y, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:154-6, Apr-May 69 (Fre)
[4 further cases of cutaneous epithelioma of the botryomycoma type] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:237-9, 1969 (Fre)
[Dysglobulinemia preceding myeloma with plasmocyte cutaneous tumors] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 77:780-2, 1970 (Fre)
[Neurocutaneous melanoblastosis] Dugois P, et al.
Bull Soc Fr Dermatol Syphiligr 76:386-7, 1969 (Fre)
[Lingual metastasis from a malignant melanoma of the foot appearing 9 years after exeresis of the latter] Dupont A.
Bull Soc Fr Dermatol Syphiligr 78:69, 1971 (Fre)
[Metastatic epithelioma of the scalp, probably of mammary origin; primary infiltrating alopecic type] Friedmann E.
Bull Soc Fr Dermatol Syphiligr 76:453-4, 1969 (Fre)
[Spitz melanoma in an adult] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:191-2, 1969 (Fre)
[Pinkus' fibro-epithelial tumor of the thumb] Hoffmann-Martinot R, et al.
Bull Soc Fr Dermatol Syphiligr 76:259-60, 1969 (Fre)
[Cutaneous and mucous myelinic neuromas] Lefranc MM.
Bull Soc Fr Dermatol Syphiligr 76:741-2, 1969 (Fre)
[Single cutaneous metastasis of the left leg 2 years after ablation of a breast cancer] Michel PJ, et al.
Bull Soc Fr Dermatol Syphiligr 76:692-4, 1969 (Fre)
[Sheet-type angioendothelioma of the face and scalp] Sourreil P, et al.
Bull Soc Fr Dermatol Syphiligr 77:730-1, 1970 (Fre)
[Recklinghausen's disease: plexiform neuroma of exceptional importance] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:348-51, 1969 (Fre)
[Papilliferous syringocystadenoma and basal cell epithelioma on Jadassohn's sebaceous nevus] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:369-71, 1969 (Fre)
[Unusual development of melanoma of the heel] Menyé PA, et al.
Bull Soc Med Afr Noire Lang Fr 16:33-7, 1971 (Fre)
[The pigmented circle of the papilla and its relation to blue nevus and Ota's nevus] Collier M.
Bull Soc Ophtalmol Fr 69:213-21, Feb 69 (Fre)
[Bone metastasis of skin neoplasms] Serre H, et al.
Cah Med 11:1231-43, 15 Dec 70 (Fre)
[Neurocutaneous melanosis (anatomo-clinical aspects)] Chatelain R, et al.
J Med Lyon 50:1325-34, 5 Oct 69 (Fre)
[Cancerous ulcers of the leg in black Africa] Allain YM, et al. J Radiol Electrol Med Nucl 51:812-3, Dec 70 (Fre)
[Jadassohn-Tieche blue nevus. 1 case] Saout J, et al.
J Sci Med Lille 87:521-4, Aug-Sep 69 (Fre)
[Gallbladder melanoma] Gabriele R, et al.
Lyon Chir 65:682-5, Sep-Oct 69 (Fre)
[Clear cell acanthoma (2 cases)] Delacrétaz J.
Lyon Med 221:959, 20 Apr 69 (Fre)
[Neurocutaneous melanoblastoma] Dugois P, et al.
Lyon Med 221:1099, 4 May 69 (Fre)
[Scrotal cancer of occupational origin] Perrot H, et al.
Lyon Med 221:1031-2, 27 Apr 69 (Fre)
[Melanoma in pregnancy] Massé R.
Med Leg Domm Corpor (Paris) 2:168-9, Apr-Jun 69 (Fre)
[Melanic panaris. Malignant sub- and peri-ungual melanoma apropos of 22 cases] Dufourmentel C, et al.
Mem Acad Chir (Paris) 94:309-14, 1968 (Fre)
[Recording of localizations of skin tumors of the face] Prade M, et al. Presse Med 79:402, 20 Feb 71 (Fre)
[A case of total peripheral delabyrinthization of metastatic origin, 25 years after a breast cancer] Baron F, et al.
Rev Otoneuroophtalmol 43:132-5, Apr 71 (Fre)
[New data on benign cutaneous melanomas] Agache P.
Sem Hop Paris 47:1219-29, 20 Apr 71 (60 ref.) (Fre)
[Bowen disease and epidermoid carcinoma of the stomach] Rogé J, et al.
Sem Hop Paris 47:1208-10, 14 Apr 71 (Fre)
[Present problems of melanoma research] Gertler W.
Dermatol Monatsschr 156:285-98, 1970 (Ger)
[Osteosis cutis multiplex] Reichenberger M, et al.
Hautarzt 22:73-7, Feb 71 (Ger)
[Rare case of thyroidreticulosarcoma causing skin metastases] Czigány J. HNO 17:115-9, Apr 69 (Ger)
[Glomus tumors of the skin] Bussmann JF, et al.
Med Welt 14:548-51, 3 Apr 71 (Ger)
[Malignant melanoma] Mühlbauer W.
Munch Med Wochenschr 112:105-14, 16 Jan 70 (Ger)
[The large cutaneous hemangioma in infants] Hartl H.
Wien Med Wochenschr 120:469-72, 20 Jun 70 (Ger)
[Hemangiopericytoma] Metz J, et al.
Z Haut Geschlechtskr 46:95-8, 1 Feb 71 (Ger)
[Personal experiences with 200 cases of melanomas in the head and neck region] Conley JJ.
Z Laryngol Rhinol Otol 49:411-31, Jul 70 (Ger)
[Cutaneous osteomas] Mariotti A.
Arch Ital Dermatol Venereol Sessuol 36:255-83, 1969 (Ita)
[Considerations on a case of laryngeal carcinoma with cutaneous metastases] Zerba L.
Arch Ital Otol 80:115-24, Mar-Apr 69 (Ita)
[On melanoma in tritons] Zanavella T, et al.
Atti Accad Med Lomb 23:45-53, Jan-Mar 68 (Ita)
[On Malherbe's calcifying epithelioma] Boscaino N, et al. Chir Ital 20:1069-79, Oct 68 (Ita)
[A case of rare localization of Spitz nevus] Buzzoni A.
G Ital Dermatol 44:297-300, Jun 69 (Ita)
[2 cases of skin metastasis from epithelial tumors of unknown site. (Clinico-histological contribution)] Guarneri B. G Ital Dermatol 46:68-72, Feb 71 (Ita)
[Early cutaneous metastasis in subjects with pulmonary neoplasms] Mazzocchi S, et al.
G Ital Dermatol 44:419-23, Aug 69 (Ita)
[Presentation of clinical cases] Mezzadra G, et al.
G Ital Dermatol 46:156-66, Apr 71 (Ita)
[A case of multiple cutaneous leiomyoma] Ruocco V.
G Ital Dermatol 44:285-90, Jun 69 (Ita)
[Microangiographic study of the skin and of an epidermoid epithelioma in the mouse] Minet P.
Minerva Med 62:472-5, 3 Feb 71 (Ita)
[Dermatological aspects of cutaneous pseudocancerosis. (Opinion of Professor P. Nazzaro)] Salvati A. Minerva Med 62:1588-91, 14 Apr 71 (Ita)
[A case of unilateral facial angiomatosis associated with heterochromia] Nervi I.
Minerva Oftalmol 12:132-5, Jul-Aug 70 (Ita)
[Late appearance of hemangioma on a radiation injury of the skin] Donati E.
Minerva Radiol 15:207-12, Jul-Aug 70 (Ita)
[Clinico-nosographic considerations on Ota's oculo-cutaneous melanosis] Cagnoni M, et al.
Riv Crit Clin Med 67:289-96, Aug 67 (Ita)
[Metastasis from melanoma of unknown primary location] Cascinelli N, et al.
Tumori 55:403-8, Nov-Dec 69 (Ita)
[Case of carcinoma en cuirasse] Fujimoto N, et al.
Acta Dermatol (Kyoto) 65:315-7, Nov 70 (Jap)
[Skin neoplasms] Fujinami T, et al.
Acta Dermatol (Kyoto) 65:137-41, Aug 70 (Jap)
[Primary multiple osteoma of the skin] Inamine M, et al. Acta Dermatol (Kyoto) 65:301-4, Nov 70 (Jap)
[Case of basal cell epithelioma around the cicatrix] Nozawa J, et al.
Acta Dermatol (Kyoto) 65:319-23, Nov 70 (Jap)
[2 cases of acquired digital fibrokeratoma] Sakamoto K, et al. Acta Dermatol (Kyoto) 65:305-7, Nov 70 (Jap)
[Case of systematized nevus verrucosus] Tsuji T.
Acta Dermatol (Kyoto) 65:283-5, Nov 70 (Jap)
[Naevus lipomatosus cutaneous superficialis (Hoffmann-Zurhelle)] Watanabe S.
Acta Dermatol (Kyoto) 65:287-94, Nov 70 (Jap)
[2 cases of sinus pericranii] Kumagai R, et al.
Brain Nerve (Tokyo) 23:181-4, Feb 71 (Jap)
[Case of mixed tumor of the skin of the external ear canal] Koide Y.
J Otolaryngol Jap 73:1780-2, Nov 70 (Jap)
[Case of dermatofibrosarcoma protuberans with an interesting clinical course] Hamada K, et al.
Jap J Cancer Clin 16:1171-6, 1970 (Jap)
[Primary thyroid cancer followed by multiple skin metastases] Tanaka N, et al.
Jap J Clin Med 29:1420-6, May 71 (Jap)
[Nevoid and circumscribed body angiokeratoma (Angiokeratoma corporis circumscriptum naeviforme)] Hatano H, et al.
Surg Ther (Osaka) 24:347-8, Mar 71 (Jap)
[Naevus verrucosus] Hatano H, et al.
Surg Ther (Osaka) 25:99-100, 1971 (Jap)
[Occurrence of metastases in skin cancers] Wojcieszek Z. Nowotwory 20:237-42, Jul-Sep 70 (Pol)
[Behavior of keratinosomes in precancerous and pseudoneoplastic conditions and in skin cancers] Jakubowicz K, et al.
Przegl Dermatol 57:805-8, Sep-Oct 70 (Pol)
[Primary skin lymphoblastic lymphosarcoma. Report of a case followed by invasion of the maxillary sinus and systematization] Almeida EA de, et al.
An Bras Dermatol 45:359-70, Oct-Dec 70 (Por)
[Myeloid leukemia with cutaneous and osseous lesions] Franco LG, et al.
An Bras Dermatol 45:207-14, Jul-Sep 70 (Por)
[Cutaneous endometriosis] Pereira Júnior AC, et al.
An Bras Dermatol 45:370-6, Oct-Dec 70 (Por)
[Lymphomas] Rocha GL, et al.
An Bras Dermatol 45:338-52, Oct-Dec 70 (Por)
[Neurofibromatosis of peculiar manifestation] Sternick M, et al.
An Bras Dermatol 45:399-401, Oct-Dec 70 (Por)
[Natural history of pigmented tumors] Giordano A.
Rosen Clin Cient 37:5-12, Jan-Feb 68 (Por)
[Metastatic skin tumors] Teplitskiĭ IK, et al.
Klin Khir 1:66-7, Jan 70 (Rus)
[Kasabach-Merrit syndrome (angiomatosis associated with thrombocytopenic purpura)] Talalaev AG.
Pediatriia 49:59-61, Jul 70 (Rus)
[Cylindroma of the scalp] Pirogova EP.
Vestn Dermatol Venerol 44:65-6, Jun 70 (Rus)
[Ectopic chorionepithelioma] Tsibel' BN, et al.
Vopr Onkol 17:82-4, 1971 (Rus)
[Multiple primary cancer of the skin of the face and of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the larynx] Lutsenko VA.
Zh Ushn Nos Gorl Bolezn 30:98, May-Jun 70 (Rus)
[Diffuse serpiginous angiomatosis] Gómez Orbaneja J, et al. Actas Dermosifiliogr 60:385-72, Nov-Dec 69 (Spa)
[Metastatic carcinoma] Gomez Orbaneja J, et al. Actas Dermosifiliogr 61:65-70, Mar-Apr 70 (Spa)
[Superficial extensive melanoma] Abulafia J, et al. Arch Argent Dermatol 19:219-24, Dec 69 (Spa)
[Exuberant phakomatosis] Aguinis M, et al. Arch Argent Dermatol 18:333-5, Dec 68 (Spa)
[Darrier-Ferrand's dermatofibroma] Azar A, et al. Arch Argent Dermatol 18:209-15, Dec 68 (Spa)
[Melanotic whitlow (subungueal malignant melanoma)] Grinspan Bozza NO. Arch Argent Dermatol 19:79-102, Mar-Jun 69 (Spa)
[Circumscribed neviform angiokeratoma] Pierini DO, et al. Arch Argent Dermatol 19:199-206, Dec 69 (Spa)
[Mycosis fungoides. Apropos of a case with deep visceral lesions] Dreyer MS, et al. Prensa Med Argent 58:36-42, 5 Mar 71 (Spa)
[Sacroccygeal keratoacanthoma] Ghenadenic E. Prensa Med Argent 57:614-6, 29 May 70 (Spa)
[Multiple trichoepithelioma] Ochoa y Mena C, et al. Prensa Med Mex 35:28-30, Jan-Feb 70 (Spa)
[Malignant melanoma in the skin] Hultén L. Lakartidningen 68:2245-52, 5 May 71 (Swe)

CHEMICALLY INDUCED

Studies on the mechanism of aryl hydrocarbon hydroxylase induction and its role in cytotoxicity and tumorigenicity. Gelboin HV, et al. Ann NY Acad Sci 179:529-47, 6 Jul 71
The simulated population method of analysis of animal painting experiments in cancer research. Lee PN. Biometrics 26:777-85, Dec 70
The effect of the age of mice on the incidence of skin cancer. Lee PN, et al. Br J Cancer 24:849-52, Dec 70
The mechanism of carcinogenesis by the neutral fraction of cigarette smoke condensate. Roe FJ, et al. Br J Cancer 24:788-806, Dec 70
The epidermis and the respiratory tract as bioassay systems in tobacco carcinogenesis. Wynder EL, et al. Br J Cancer 24:574-87, Sep 70
The refractoriness of the skin of hairless mice to chemical carcinogenesis. Giovanella BC, et al. Cancer Res 30:2590-7, Oct 70
Electron microscopic study of methylcholanthrene-induced epidermal carcinogenesis in mice: mitochondrial dense bodies and intracisternal A-particles. Kakefuda T, et al. Cancer Res 30:1011-9, Apr 70
Oncogenic response of rat skin, lungs, and bones to vinyl chloride. Viola PL, et al. Cancer Res 31:516-22, May 71
The role of arsenic in chronic asthma and cancer. Taub SJ. Eye Ear Nose Throat Mon 49:80-1, Feb 70
Tumor induction with single urethan injection in newborn and adult syrian golden hamsters. A study on age influence. I. Toth B. Int J Cancer 6:63-8, 15 Jul 70
Hydroxyurea: possible relationship of cytotoxicity to inhibition of skin carcinogenesis. Hennings H. J Natl Cancer Inst 46:841-4, Apr 71
Diurnal variation in susceptibility of mouse skin to the tumorigenic action of methylcholanthrene. Iversen U, et al. J Natl Cancer Inst 45:269-76, Aug 70
Influence of dose on skin tumors induced in mice by single application of 7,12-dimethylbenz(a)anthracene. Turusov V, et al. J Natl Cancer Inst 47:105-11, Jul 71
Initiating activity of aromatic hydrocarbons in two-stage carcinogenesis. Van Duuren BL, et al. J Natl Cancer Inst 44:1167-73, May 70
Cigarette smoke carcinogenesis: importance of tumor promoters. Van Duuren BL, et al. J Natl Cancer Inst 47:235-40, Jul 71
A rapid screen for carcinogenic properties of tobacco condensate. Healey P, et al. J Pathol 101:P18-9, Aug 70
Short term test for evaluating potential carcinogenic activity of tobacco condensates. Healey P, et al. Nature (Lond) 228:1006, 5 Dec 70
Neoplastic sequelae following subcutaneous implantation of mice with rare earth metals. Ball RA, et al. Proc Soc Exp Biol Med 135:426-30, Nov 70
Carcinogenic effects of subcutaneous administration of benzo(a)-pyrene during pregnancy on the progeny. Bulay OM, et al. Proc Soc Exp Biol Med 135:84-6, Oct 70
Comparative carcinogenicity of 4-hydroxyaminoquinoline-1-oxide and its diacetyl derivative in mice and rats. Enomoto M, et al. Proc Soc Exp Biol Med 136:1206-10, Apr 71
Skin tumorigenesis in mice by petroleum asphalts and coal-tar pitches of known polynuclear aromatic hydrocarbon content. Wallcave L, et al. Toxicol Appl Pharmacol 18:41-52, Jan 71
Oil cancer in the Savoy Alps and the Birmingham region: a comparison. Kipling MD. Trans Soc Occup Med 21:73-8, Jul 71
Significance of hormonal factors in inducing melanoma in hamsters with DMBA. Raitschew R. Z Krebsforsch 74:115-21, 1970
[Relation between the therapeutic and cancerogenic effect of tar] Holan V. Cesk Dermatol 45:204-6, Sep 70 (Cze)
[Cutaneous arsenicism and bronchial neoplasm] Le Coulant P, et al. Bull Soc Fr Dermatol Syphiligr 78:50, 1971 (Fre)
[Effect of pinealectomy on the melanic tumours of the golden hamster induced by administration (per os) of a single dose of 9,10-dimethyl-1,2-benzanthracene] Aubert C, et al. C R Acad Sci [D] (Paris) 271:2465-8, 21 Dec 70 (Fre)
[Induction of skin sarcomas in albino rats by cadmium chloride] Knorre D. Arch Geschwulstforsch 36:119-26, 1970 (Ger)
[Skin deformity tumors in young pigs induced by transplacental action of ethyl-nitroso-urea. Genesis of hidradenoma] Kupfer M, et al. Arch Geschwulstforsch 34:25-33, 1969 (Ger)
[Morphological studies on the hyperplasiogenic effect of the biologically active phorbol ester A1] Bach H, et al. Virchows Arch [Zellpathol] 8:196-205, 1971 (Ger)
[Arsenic and skin epithelioma] Fritsch P, et al. Wien Klin Wochenschr 83:7-11, 8 Jan 71 (Ger)

CLASSIFICATION

The benign fibrohistiocytic tumours of the skin. Niemi KM. Acta Derm Venereol [Suppl] (Stockh) 50:Suppl 63:1-66, 1970
Multiple acral fibrokeratomas (a variant of prurigo nodularis). Discussion of classification of acral fibrous nodules and of histogenesis of acral fibrokeratomas. Reed RJ, et al. Arch Dermatol 103:287-97, Mar 71
World Health Organisation--International Reference Centre for Skin Tumours. Meeting held at the "Aschoff-Haus", Freiburg i. Breisgau 13-19 September 1970. Seldam RE ten. Beitr Pathol 142:416-8, 1971
Lymphangioma of skin. A review of 65 cases. Peachey RD, et al. Br J Dermatol 83:519-27, Nov 70
Soft tissue tumors: classification and principles of management. Das Gupta TK, et al. CA 18:259-63, Sep-Oct 68
Adnexal tumors of the skin. Mehregan AH, et al. Int J Dermatol 10:61-78, Jan-Mar 61 (42 ref.)
The classification of melanoma.fusion in dogs. McGovern VJ. Minn Med 54:426-8, Jun 71

COMPLICATIONS

Cavernous hemangioma of the retina. A neuro-oculo-cutaneous syndrome. Gass JD. Am J Ophthalmol 71:799-814, Apr 71
Polypoid lymphoid hyperplasia of the terminal ileum in patients with familial polyposis coli and with Gardner's syndrome. Vanhoutte JJ. Am J Roentgenol Radium Ther Nucl Med 110:340-2, Oct 70
Malignant melanoma and coexisting malignant neoplasms. Fraser DG, et al. Am J Surg 122:169-74, Aug 71
Gastrointestinal bleeding as a manifestation of von Recklinghausen's disease of the skin. Wilkerson DC. Am Surg 37:298-300, May 71
Systemic amyloidosis complicating dermatoses. Brownstein MH, et al. Arch Dermatol 102:1-7, Jul 70 (35 ref.)
Ikeda S: Sturge-Weber and Klippel-Trénaunay syndrome with nevus of ota and ito. Furukawa T, et al. Arch Dermatol 102:640-5, Dec 70
Ectopic adrenocorticotropic hormone syndrome associated with metastatic skin tumors and Cushing's syndrome. Izumi AK, et al. Arch Dermatol 102:556-9, Nov 70
Exfoliative, dermatitis, lymphoma, and mycosis fungoides. Katz H, et al. Arch Dermatol 103:558-9, May 71
Unilateral "nevoid" basal cell epitheliomas and cataracts. Maibach HI, et al. Arch Dermatol 103:564, May 71
Xanthomatosis, associated with multiple myeloma. Moschella SL. Arch Dermatol 102:121-3, Jul 70
Lupus vulgaris and superimposed basal cell epitheliomas. Orfuss AJ. Arch Dermatol 103:555, May 71
Bittner's syndrome. Stritzler C, et al. Arch Dermatol 103:548-9, May 71
Psoriasis and systematized epidermal nevus. Sugai T, et al. Arch Dermatol 102:656-60, Dec 70
Linea nevus sebaceus. A neurocutaneous syndrome associated with infantile spasms. Herbst BA, et al. Arch Neurol 24:317-22, Apr 71
Kaposi's sarcoma of the head and neck. Abramson AL, et al. Arch Otolaryngol 92:505-8, Nov 70
Focal keratosis follicularis overlying dermatofibroma. Ackerman AB, et al. Br J Dermatol 84:167-8, Feb 71
A study of the photosensitivity factor in cutaneous lymphocytoma. Frain-Bell W, et al. Br J Dermatol 84:25-31, Jan 71
Von Recklinghausen's disease and melanoma of the uvea. Nordmann J, et al. Br J Ophthalmol 54:641-8, Oct 70
Hodgkin's disease associated with Kaposi's sarcoma and malignant melanoma. Case report of multiple primary malignancies. Gilbert TT, et al. Cancer 28:293-9, Aug 71
Neurofibromatosis of the colon: a unique manifestation of von Recklinghausen's disease. Raszkowski HJ, et al. Cancer 27:134-42, Jan 71
Multiple noduli cutanei and urinary tract abnormalities. A possible significant association. Selmanowitz VJ, et al. Cancer 26:1256-60, Dec 70
Hemangioma with thrombocytopenia and microangiopathic anemia (Kasabach-Merritt syndrome): an animal model. Hoak JC, et al. J Lab Clin Med 77:941-50, Jun 71
Basal cell nevus syndrome. A report of two cases and a review of the literature. Hurwitz RA. J Med Soc NJ 68:207-11, Mar 71
Hemangioma and thrombocytopenia. Martins AG. J Pediatr Surg 5:841-8, Dec 70
A new neurocutaneous syndrome (skin, eye, brain and heart syndrome). Tripp JH, et al. Proc R Soc Med 64:23-4, Jan 71
Hemangiomatosis, localized growth disturbance, and intravascular coagulation disorder presenting with an unusual arthritis resembling hemophilia. Milikow E, et al. Radiology 97:387-8, Nov 70
[Spinous cell epithelioma with tuberculoid, followed by neoplastic adenopathy] Degos R, et al. Ann Dermatol Syphiligr (Paris) 98:21-31, 1971 (Fre)
[Thoughts apropos of precancerous injuries of the vulva] Pilleron JP, et al. Bull Mem Soc Chir Paris 60:366-9, 1970 (Fre)
[Bazex paraneoplasia. Acrokerato-erythroderma manifesting as epidermoid epithelioma metastasis] Blum F, et al. Bull Soc Fr Dermatol Syphiligr 77:440-1, 1970 (Fre)
[Anemic nevus and Recklinghausen's neurofibromatosis. Apropos of a case] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 77:800-2, 1970 (Fre)
[Multiple verruciform and epitheliomatous Bowen's epidermodysplasia] Grupper C, et al. Bull Soc Fr Dermatol Syphiligr 76:307-8, 1969 (Fre)
[Systemic amyloidosis with bone marrow myelomatous plasmocytosis] Hadida E, et al. Bull Soc Fr Dermatol Syphiligr 77:350-1, 1970 (Fre)
[Epithelioma in situ on (or of the type of) lichen planus in a patient with spinous cell epithelioma of the right medius and, successively, epitrochlear and later axillary metastases] Témime P, et al. Bull Soc Fr Dermatol Syphiligr 76:429-30, 1969 (Fre)
[Multiple disembryoplasias, all benign, followed by surgical operations] Thibaut D. Bull Soc Fr Dermatol Syphiligr 76:160-5, 1969 (Fre)
[Basal cell epithelioma on histiocyto-fibroma] Thiers H, et al. Bull Soc Fr Dermatol Syphiligr 76:684-6, 1969 (Fre)
[Darier-Ferrand fibrosarcoma of the abdominal wall and the right inguino-vulvar region. Development for 34 years. Association with postmenopausal systemic adenolipomatosis] Thiers H, et al. Bull Soc Fr Dermatol Syphiligr 76:711-3, 1969 (Fre)
[Interstitial desquamative pneumonia and pulmonary phakomatosis (apropos of an anatomo-clinical case)] Leménager J, et al. J Fr Med Chir Thorac 25:201-10, Feb-Mar 71 (Fre)
[A rare etiology of maxillary tumors: Gardner's syndrome] Gosserez M, et al. J Radiol Electrol Med Nucl 51:503-6, Aug-Sep 70 (Fre)
[Basal cell nevus syndrome with retinopathia pigmentosa, recurrent vitreous body hemorrhage and chromosome aberrations] Happle R, et al. Arch Dermatol Forsch 241:96-114, 1971 (Ger)
[Syntropy of eruptive keratoacanthomas, carcinoma of the fallopian tube and stem-cell leukemia] Weber G, et al. Arch Klin Exp Dermatol 238:107-19, 1970 (Ger)
[Paraneoplasmic bullosis] Husz S, et al. Dermatologica 141:421-7, 1970 (Ger)
[Dermatofibrosis lenticularis disseminata with osteopoikilosis. Buschke-Ollendorf syndrome] Schimpf A, et al. Dermatologica 141:409-20, 1970 (Ger)
[Intestinal protein-losing syndrome in malignant melanoma with gastrointestinal tract involvement] Goebell H, et al. Internist (Berlin) 11:142-5, Apr 70 (Ger)
[Paraneoplastic dermatoses in visceral carcinomas] Wysocki R. Schweiz Med Wochenschr 101:475-8, 3 Apr 71 (Ger)
[Angiokeratoma naeviforme. Relations to Klippel-Trenaunay-Weber syndrome] Schimpf A, et al. Z Haut Geschlechtskr 44:905-13, 1 Nov 69 (Ger)
[Recklinghausen's neurofibromatosis as an expression of a general teratologic predisposition (apropos of a case associated with infiltrting carcinoma of the bladder)] Valli B, et al. Acta Chir Ital 25:335-47, May-Jun 69 (Ita)
[On a case of Recklinghausen's neurofibromatosis] Deplano A, et al. Cancro 22:569-78, 1969 (Ita)
[Case of Gougerot-Garteaud reticulated and confluent papulous papillomatosis] Chieregato GC, et al. G Ital Dermatol 45:537-46, Sep 70 (Ita)
[Metastasizing cutaneous basocellular carcinoma with myelophthisic anemia] Beretta G, et al. Tumori 56:175-81, May-Jun 70 (Ita)
[Optic glioma with abundant Rosenthal fibers associated with von Recklinghausen's disease--a case report] Aoki H, et al. Brain Nerve (Tokyo) 22:1313-8, Nov 70 (Jap)
[Family of V. Recklinghausen's disease with brain

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tumor] Nakajima T, et al.
Brain Nerve (Tokyo) 23:91-4, Jan 71 (Jap)
[Pyoderma gangrenosum. A case with transition to spino-cellular carcinoma] Thune P, et al.
Tidsskr Nor Laegeforen 91:1220-1, 10 Jun 71 (Nor)
[Histological and histochemical study of a case of angiokeratoma corporis diffusum: Fabry's disease] Papilian VV, et al.
Neurol Psihiatr Neurochir 15:401-9, Sep-Oct 70 (Rum)
[Association of cancer of the lower lip with carcinoma of other locations] Kluniehenko AM, et al.
Klin Khir 9:75, Sep 70 (Rus)
[A case of multiple angiomatosis of the skin and the gastrointestinal tract. Blue rubber bleb nevus] Casas Carnicero J, et al.
Actas Dermosifiliogr 60:317-22, Sep-Oct 69 (Spa)
[Multiple hemangiomatosis with chronic anemia caused by intestinal hemorrhage: blue rubber bleb nevus of the skin and gastrointestinal tract] Beltrán de Heredia JM, et al. Int Surg 54:45-51, Jul 70 (Spa)
[Jadassohn's nevus. Association with neurologic disorders] Weinstein IH, et al.
Prensa Med Argent 57:1761-4, 13 Nov 70 (Spa)
[Arterial aneurysm in Recklingshausen's disease of nerves] Mårtensson O.
Nord Med 84:1343-4, 15 Oct 70 (Swe)

CONGENITAL

Ultrastructure of congenital fibrosarcoma.
Gonzalez-Crussi F. Cancer 26:1289-99, Dec 70
Developmental vascular abnormalities. Margileth AM.
Pediatr Clin North Am 18:773-800, Aug 71

DIAGNOSIS

Malignant lymphoma simulating Kaposi's sarcoma.
Am J Med 44:970-8, Jun 68
Multiple melanocytoma. Fitzpatrick TB, et al.
Arch Dermatol 102:126, Jul 70
Benign lymphoid hyperplasia (lymphocytoma cutis).
Gross PR. Arch Dermatol 103:347-9, Mar 71
Pursuit of the pits in the nevoid basal cell carcinoma syndrome. Howell JB, et al.
Arch Dermatol 102:586-97, Dec 70
Mucha-Habermann disease mistaken for reticulum cell sarcoma. Muller SA, et al.
Arch Dermatol 103:423-7, Apr 71
Cutaneous dental sinus imitating skin cancer. Mahler D, et al. Br J Plast Surg 24:78-81, Jan 71
Differential diagnosis of malignant melanoma. Flowers RS. CA 18:360-1, Nov-Dec 68
Malignant melanoma. Williams HM.
CA 18:151-5, May-Jun 68
Differential diagnosis of malignant melanoma.
CA 18:172-3, May-Jun 68
Differential diagnosis of malignant melanoma.
CA 18:308-11, Sep-Oct 68
Epithelioid sarcoma. A sarcoma simulating a granuloma or a carcinoma. Enzinger FM.
Cancer 26:1029-41, Nov 70
Gardner's syndrome. A variant of congenital familial polyps. Aleem MY. Ill Med J 139:511-3, May 71
Case report of neurofibromatosis. Taylor PM.
J Am Podiatry Assoc 61:272-3, Jul 71
Dermatology mediquiz. Case 4. Noojin RO.
Med Times 99:84 passim, Mar 71
Keratoacanthoma. Peterson WC.
Minn Med 54:729-30, Sep 71
Tinea nigra palmaris resembling malignant melanoma. Yaffee HS. N Engl J Med 283:1112, 12 Nov 70
Pigmented tumours of the skin.
NZ Med J 73:91-2, Feb 71
The Doppler as an aid in predicting the behavior of congenital cutaneous hemangioma. Bingham HG, et al.
Plast Reconstr Surg 47:580-3, Jun 71
Skin diseases of the aged. Zakon SJ, et al.
Postgrad Med 49:206-9, Jan 71
[Papillimatosis cutanea confluens et reticularis Gougerot Carteaud. Case report and review of literature] Kobúková M.
Cesk Dermatol 46:116-9, Jun 71 (Cze)
[Clinical and histological polymorphisms of nevus sebaceous] Bourlond A, et al.
Arch Belg Dermatol Syphiligr 25:337-44, 1969 (Fre)
[Nodular fasciitis] Kint A, et al.
Arch Belg Dermatol Syphiligr 24:67-71, 1968 (Fre)
[Use of a new iodated vector (labelled iodoquine) in the diagnosis of nevocarcinoma] Blanquet P, et al.
Bord Med 4:719-20 passim, Mar 71 (Fre)
[Clinical and histological diagnosis of "black tumors" of the skin] Géniaux M. Bord Med 4:709-16, Mar 71 (Fre)
[A new case of Bazex's acrokeratosis, with pruritus and leucomelanoderma] Duperrat B, et al.
Bull Soc Fr Dermatol Syphiligr 77:797-9, 1970 (Fre)
[Remarks apropos of a case of Kaposi's disease] Dupont A. Bull Soc Fr Dermatol Syphiligr 77:792-3, 1970 (Fre)
[Atypical achromic nevocarcinoma] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:179, 1969 (Fre)
[Contribution of thermography in diagnostic and treatment of malignant melanoma] Maillard GF, et al.
Bull Soc Fr Dermatol Syphiligr 77:466-9, 1970 (Fre)
[Atypical nevocarcinoma of a finger] Massé R, et al.
Bull Soc Fr Dermatol Syphiligr 77:847-9, 1970 (Fre)
[Evolutive vascular fistulas and pseudo-Kaposi's disease] Stewart WM, et al.
Bull Soc Fr Dermatol Syphiligr 77:711-6, 1970 (Fre)
[Histopathologic diagnosis of some cutaneous "black tumors"] Saout J.
J Sci Med Lille 87:531-5, Aug-Sep 69 (Fre)
[A case of Ota's nevus] Cullmann B.
Ber Dtsch Ophthalmol Ges 70:80-2, 1970 (Ger)
[Importance of radiophosphorus test in the framework of melanoma diagnosis] Cramer HJ, et al.
Dermatol Monatsschr 156:395-7, 1970 (Ger)
[Diagnostic problems of melanoma] Fülöp E.
Dermatol Monatsschr 156:381-4, 1970 (Ger)
[Nosology and clinical course of cutaneous reticuloses] Gertler W.
Dermatol Monatsschr 155:621-38, 1969 (Ger)
[Value of cytodiagnosis in malignant melanoma] Hering H. Dermatol Monatsschr 156:385-91, 1970 (Ger)
[Value of phosphorus accumulation test in malignant melanoma] Wittstock T, et al.
Dermatol Monatsschr 156:392-4, 1970 (Ger)
[Clinical picture and therapy of sarcoma multiplex idiopathicum haemorrhagicum (Kaposi) with special reference to bone involvement] Halama J, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:259-68, Feb 71 (Ger)
[Verruca vulgaris gigantea with the aspect of papillomatosis cutis carcinoides] Balda BR, et al.
Hautarzt 21:550-2, Dec 70 (Ger)
[Pseudomyxedema amyloidosum praetibiale. A special clinical variant of squamous epithelium forming infiltrated or nodose localized amyloidosis of the lower leg] Eberhartinger C, et al.
Hautarzt 20:555-8, Dec 69 (Ger)
[Picture-reports. Lymphogranulomatosis integumentalis, pellagroid following INH-treatment, mollusca contagiosa, blue rubber bleb-nevus, protoporphyrinemic light-dermatosis, tinea cruris, lichen ruber follicularis decalvans] Thies W.
Hautarzt 22:78-9, Feb 71 (Ger)
[Diagnosis and therapy of malignant melanoma] Storck H. Ther Ggw 109:1110-2 passim, Aug 70 (Ger)
[Differential diagnosis of lymphoid skin neoplasms] Mach K.
Wien Klin Wochenschr 82:541-5, 17 Jul 70 (Ger)
[Diagnosis and therapy of skin tumors] Knoth W.
Z Allgemeinmed 47:468-9, 31 Mar 71 (Ger)
[Differential diagnosis of skin manifestations in atypical plasmacytoma (comparative enzyme and histochemical studies of the skin and bone marrow)] Czitober H, et al.
Z Haut Geschlechtskr 45:311-20, 15 Apr 70 (Ger)
[Abrikossoff-tumor (so-called myoblastomyoma, granular-cell schwannoma). Observation of an extensive skin tumor and a diffuse gamma G-plasmacytoma] Strassburger D, et al.
Z Haut Geschlechtskr 46:295-301, 1 May 71 (Ger)
[The 5th phakomatosis] Veitman G, et al.
Z Haut Geschlechtskr 46:221-40, 1 Apr 71 (Ger)
[On the possibility of localization of Jadassohn's precancerous sebaceous nevus in the adnexa oculi] Baquis G. Ann Ottalmol Clin Ocul 95:35-48, Jan 69 (Ita)
[Dermatologic aspects of cutaneous pseudocancer] Nazzaro P. Minerva Med 62:1588-91, 14 Apr 71 (Ita)
[Thermographic investigation in the study of superficial and semi-superficial neoplastic processes] Garusi G. Tumori 56:149-63, May-Jun 70 (Ita)
[Diagnostic evaluation of tumor of the 8th nerve (Von Recklinghausen's disease) by cochlear electric responses] Oashi T.
J Otolaryngol Jap 74:344-54, Feb 71 (Jap)
[Siderotic variant of angiofibroxanthoma (Glazunov's angiofibromatosis)] Apatenko AK, et al.
Arkh Patol 32:62-3, 1970 (Rus)
[The clinical picture of reticulsarcoma with primary lesions of the skin] Kruglova GV, et al.
Klin Med (Mosk) 49:43-51, Mar 71 (Rus)
[Diagnosis of skin neoplasms using P 32] Bereznikova VP. Vestn Dermatol Venerol 44:29-31, Nov 70 (Rus)
[Differential diagnosis of Gottron's carcinoid papillomatosis of the skin] Fomin KF, et al.
Vestn Dermatol Venerol 45:67-71, Jan 71 (Rus)
[Clinical characteristics and course of keratoacanthoma] Il'in II.
Vestn Dermatol Venerol 44:24-9, Nov 70 (Rus)
[Spitz' atypical nevus (juvenile melanoma). Clinico-pathological study of 9 cases] Huarte PS.
Actas Dermosifiliogr 61:205-24, Jul-Aug 70 (Spa)
[Clear cell acanthoma of palmar localization] Mascaro JM, et al.
Actas Dermosifiliogr 61:241-6, Jul-Aug 70 (Spa)
[Malherbe's calcifying epithelioma. Report of a case and commentary regarding its analogies and differences with maxillary calcifying lesions] Yuli J, et al.
Rev Asoc Odontol Argent 57:322-4, Aug-Sep 70 (Spa)
[Melanoma] Arner O.
Nord Med 84:1339-40, 15 Oct 70 (Swe)
[Macroscopical picture and diagnosis in malignant melanoma] Mylén A.
Nord Med 84:1340, 15 Oct 70 (Swe)

DRUG THERAPY

Pharmacodynamic response of epidermal hyperplasias to topical vinblastine treatment. An electron microscopic study in mice. Stjernvall L.
Acta Radiol [Diagn] (Stockh) Suppl 283:1+, 1968
Topical 5-FU--a new approach to skin cancer. Williams AC. Ann Surg 173:864-71, Jun 71
Responses of mycosis fungoides to intensive external treatment with nitrogen mustard. Van Scott EJ, et al.
Arch Dermatol 102:507-14, Nov 70
The treatment of skin carcinoma with podophyllum derivatives. Bettley FR. Br J Dermatol 84:74-82, Jan 71
Imidazole carboxamide therapy in advanced malignant melanoma. Burke PJ, et al. Cancer 27:744-50, Mar 71
Chemotherapy of metastatic malignant melanoma. Experience with 73 patients. Johnson FD, et al.
Cancer 27:1306-12, Jun 71
Disappearance of a tumor-associated antigen in malignant melanoma after imidazole carboxamide therapy. Nathanson L, et al. Cancer 27:411-5, Feb 71
An evaluation of large intermittent intravenous doses of cyclophosphamide (NSC-26271) in the treatment of metastatic malignant melanoma. Gottlieb JA, et al.
Cancer Chemother Rep 54:365-7, Oct 70
5-fluorouracil (5-FU) ointment in the treatment of basal cell epithelioma. Histological control over a long duration. Achten G, et al.
Dermatologica 140:Suppl 1:59-64, 1970
5-fluouracil (5-FU) ointment in the treatment of skin tumours and keratoses. Almeida Gonçalves JC, et al.
Dermatologica 140:Suppl 1:97+, 1970
Clinical and structural evaluation of the treatment of some hyperplastic and neoplastic skin diseases with 5-fluorouracil (5-FU) ointment. Binazzi M.
Dermatologica 140:Suppl 1:90-6, 1970
5-fluorouracil ointment in tumors of the skin. De Moragas JM, et al.
Dermatologica 140:Suppl 1:65-74, 1970
Treatment of skin epitheliomas with 5-fluorouracil (5-FU) ointment. Influence of therapeutic design on recurrence of lesions. Ebner H.
Dermatologica 140:Suppl 1:42-6, 1970
Treatment of keratoacanthomas by local applications of the 5-fluorouracil (5-FU) ointment. Grupper C.
Dermatologica 140:Suppl 1:127+, 1970
The place of chemotherapy with 5 per cent 5-fluorouracil ointment in the treatment of malignant disease of the skin. King GM.
Dermatologica 140:Suppl 1:55-8, 1970
The effects of 5-fluorouracil (5-FU) ointment in the treatment of neoplastic dermatoses. Klein E, et al.
Dermatologica 140:Suppl 1:21-33, 1970
Effects of 5-fluorouracil (5-FU) ointment on normal and diseased skin. Histological findings and deep action. Klostermann GF.
Dermatologica 140:Suppl 1:47-54, 1970
Basal-cell carcinoma of large dimension. Klostermann GF. Dermatologica 140:Suppl 1:54, 1970
Preliminary experience with 5-fluorouracil ointment in the treatment of neoplasias and precancerous lesions of the skin. Llombart Bosch M, et al.
Dermatologica 140:Suppl 1:82-9, 1970
5-fluorouracil (5-FU) ointment in the treatment of benign and malignant skin lesions. Midana A, et al.
Dermatologica 140:Suppl 1:75-81, 1970
The local treatment of precancerous skin conditions with 5-fluorouracil ointment. Ott F, et al.
Dermatologica 140:Suppl 1:109+, 1970
Treatment of basal cell carcinoma with 5-fluorouracil (5-FU) ointment. Reymann F.
Dermatologica 140:Suppl 1:34-41, 1970
Actinomycin D in malignant Kaposi's sarcoma. Kyalwazi SK, et al. East Afr Med J 48:16-26, Jan 71
Therapy of chemically induced skin tumors of mice with vitamin A palmitate and vitamin A acid. Bollag W. Experientia 27:90-2, 15 Jan 71
The characterisation of cancer: comparative response to protamine sulphate and mercenaria clam extract. Lavelle SM. Ir J Med Sci 3:436-7, Sep 70
Inhibition of the growth of murine malignant melanoma by polyinosinic-polycytidylic acid. Bart RS, et al.
J Invest Dermatol 56:33-8, Jan 71
Cytostatic and immunologic activity of 5-mercaptouracil desoxyriboside in the management of multiple superficial basal cell epitheliomas. Schwartz SH, et al. J Med (Basel) 1:174-9, 1970
The treatment of premalignant and malignant skin lesions with 5-fluorouracil. Farah FS, et al.
J Med Liban 24:45-51, 1971
Treatment of basal and squamous cancers of the nose and ear with 5-fluorouracil cream. Litwin MS, et al.
Laryngoscope 81:840-7, Jun 71
Fate and effect of endotoxin derivtives in tumor-bearing mice. Nowotny A, et al.
Proc Soc Exp Biol Med 136:66-9, Jan 71
Biochemical mechanism of tumorigenesis in mouse skin. 3. Decrease in tumor yields by poly I-C administered during initiation of skin b y and intragastric dose of 7,12-dimethyl-benz(a)anthracene. Kreibich G, et al. Z Krebsforsch 74:383-9, 1970
[Bleomycin changes entire aspect of chemotherapy for skin cancer] Attar Z. Syria Dent J 5:74-81, Jun 69 (Ara)
[Bowen's disease covering the hand. Treatment with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

5-fluorouracil ointment] Van Oost A, et al.
Arch Belg Dermatol Syphiligr 25:139-41, Jan-Mar 69 (Fre)
[Local chemotherapy in the treatment of basal cell epithelioma. 1st results obtained by topical application of 5 fluoro-uracil] Van Oost A, et al.
Arch Belg Dermatol Syphiligr 24:27-35, 1968 (Fre)
[Bowen's disease of the palm of the hand. Treatment by 5-fluoro-uracil ointment] Achten G, et al.
Bull Soc Fr Dermatol Syphiligr 76:322-3, 1969 (Fre)
[Evolutive cutaneo-laryngeal angiomatosis in an infant treated with general corticotherapy] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 76:274, 1969 (Fre)
[Chemotherapy of epithelial cancers]
Cah Coll Med Hop Paris 10:509-32, 15 Jun 69 (Fre)
[Oncolysis in lymph-node metastases of melanoma] Tritsch H.
Dtsch Med Wochenschr 95:2432-3, 27 Nov 70 (Ger)
[Remission of tumors under the influence of inorganic diphosphate] Peters N Jr.
Experientia 26:1135-6, 15 Oct 70 (Ger)
[Clinical experiences with Masterid] Heine R.
Med Welt 17:718-20, 24 Apr 71 (Ger)
[The treatment of melanoma metastases with smallpox vaccine and Freund's adjuvant] Herrmann WP, et al.
Munch Med Wochenschr 112:1916, 16 Oct 70 (Ger)
[Vitamin A acid in the therapy of tumors. Local treatment of precancerous conditions and basal carcinoma of the skin with vitamin A acid] Bollag W, et al. Schweiz Med Wochenschr 101:17-8, 9 Jan 71 (Ger)
[Cytostatic and immunosuppressive treatment of dermatologic diseases] Braun-Falco O, et al.
Ther Ggw 110:488-500, Apr 71 (Ger)
[The treatment of disfiguring skin changes using water resistant make-up Covermark] Jung HD.
Z Haut Geschlechtskr 45:351-6, 15 Apr 70 (Ger)
[Studies of the anti-HeLa phenomenon in the blood of subjects with skin neoplasms treated with paramethyl-isopropyl-phenol (thymol)] Buccellato G, et al. Boll Soc Ital Biol Sper 45:343-5, 31 Mar 69 (Ita)
[Administration of bleomycin in reticulum cell sarcoma] Ogura H, et al.
Acta Dermatol (Kyoto) 65:325-6, Nov 70 (Jap)
[Possibilities of systemic chemotherapy with methotrexate in the treatment of neglected forms of malignant neoplasms of the head and neck] Liubaev VL, et al.
Vestn Akad Med Nauk SSSR 26:70-3, 1971 (Rus)
[Extensive lymphadenectomy and perfusion chemotherapy in the treatment of pigmented skin tumors of the lower extremities] Kolesov VI, et al.
Vestn Khir 104:68-73, Jun 70 (Rus)
[Radiobiological and clinical evaluation of topical treatment with 5-fluorouracil in basal cell epitheliomas. Report on 40 cases] Abad Iglesias R, et al. Acta Oncol (Madr) 9:157-84, Jul-Dec 70 (Spa)
[Galenic preparations from 5-fluouracil for topic application] Perez-Palencia M, et al.
Acta Oncol (Madr) 9:185-9, Jul-Dec 70 (Spa)
[Practical use of immunosuppressive drugs and cytostatics in dermatological diseases] Schuppli R.
Rev Clin Esp 116:581-4, Mar 70 (Spa)

ENZYMOLOGY

Isozymes of NADP-linked isocitric dehydrogenase in psoriasis and human basal cell carcinoma. Fukui K, et al. Arch Dermatol 103:185-90, Feb 71
Differences in cytochrome oxidase and mitochondrial ATPase in melanotic and amelanotic melanoma. Birkmayer GD, et al.
Arch Klin Exp Dermatol 239:288-95, 1970
Isozyme pattern of non-specific esterase during carcinogenesis. Yoshimura Y. Gann 62:187-97, Jun 71
Effect of 17-beta-estradiol and testosterone on aryl hydrocarbon hydroxylase activity in mouse tissues in vivo and in cell culture. Nebert DW, et al.
Int J Cancer 6:470-80, 15 Nov 70
Lysosomes in mouse melanoma. Seiji M, et al.
J Invest Dermatol 56:436-40, Jun 71
Regulation of tyrosinase activity in mouse melanoma and skin by changes in melanosomal membrane permeability. Van Woert MH, et al.
J Invest Dermatol 56:343-8, May 71
[Skin peptidases and naphthylamidases. VI. Hydrolysis of di- and tripeptides by a spinocellular epithelioma extract] Bersaques J de.
Arch Int Physiol Biochim 79:53-9, Jan 71 (Fre)
[Comparative distribution of dehydrogenases in normal skin and in an epidermoid epithelioma in mice] Dokov VK, et al.
C R Soc Biol (Paris) 164:675-6, 1970 (Fre)
[The activity of collagenases and collagen content in the skin during carcinogenesis] Rohrbach R, et al.
Verh Dtsch Ges Pathol 54:442-50, 1970 (Ger)
[Metabolic aspects of keratoacanthoma in relation to its etiologic significance] Di Curzio B, et al.
Ann Ital Chir 45:720-9, 1969 (Ita)

ETIOLOGY

Some new observations on the genesis of angioma serpiginosum. Neumann E.
Acta Derm Venereol (Stockh) 51:194-8, 1971
Analysis of etiological factors of squamous cell skin cancer of different locations. 3. The arm and the hand. Swanbeck G, et al.
Acta Derm Venereol (Stockh) 50:350-4, 1970
Malignancy during methotrexate and steroid therapy for psoriasis. Harris CC.
Arch Dermatol 103:501-4, May 71
Superficial multicentric basal cell epithelioma arising in thermal burn scar. Margolis MH.
Arch Dermatol 102:474-6, Oct 70
Malignant transformation in giant congenital pigmented nevus. Death in early childhood. Penman HG, et al. Arch Dermatol 103:428-32, Apr 71
Polydysplastic epidermolysis bullosa and development of epidermal neoplasms. Wechsler HL, et al.
Arch Dermatol 102:374-80, Oct 70
Alpha-particle induced fibrosarcoma; light and electron microscopy study. Estable-Puig RF de, et al.
Arch Fund Roux Ocefa 3:163-74, 1969
Irradiation as an etiologic factor in the development of melanoma. Conley J.
Arch Otolaryngol 92:627-31, Dec 70
Mechanical irritation, polycyclic hydrocarbons, and snuff. Effects on facial skin, cheek pouch, and oral mucosa in Syrian hamsters. Homburger F.
Arch Pathol 91:411-7, May 71
Dermal cylindroma following x-ray epilation of the scalp. Black MM, et al. Br J Dermatol 85:70-2, Jul 71
Pilar tumour of the scalp developing in hereditary sebaceous cysts. Stranc MF, et al.
Br J Plast Surg 24:82-5, Jan 71
Fibrosarcoma at the site and immediately following small-pox vaccination. Archampong EQ, et al.
Br J Surg 57:937-8, Dec 70
Burn scar carcinoma. Castillo J, et al.
CA 18:140-2, May-Jun 68
The possible role of riboflavin deficiency in epithelial neoplasia. II. Effect of skin tumor development. Wynder EL, et al. Cancer 26:1221-4, Dec 70
The role of the dermis in the induction of neoplasia by Shope papilloma virus. Breedis C, et al.
Cancer Res 30:974-9, Apr 70
Possible carcinogenic hazards of several tars and of locacorten-tar ointment (spectro-fluorescent investigations and experiments in animals). Shabad LM, et al. Int J Cancer 6:314-8, 15 Sep 70
Ultraviolet wavelength factors in solar radiation and skin cancer. Freeman RG, et al.
Int J Dermatol 9:232-5, Jul-Sep 70
Sunlight and melanoma. Lee JA, et al.
Lancet 2:550-1, 4 Sep 71
Sunlight and melanomas. Lancet 1:172, 23 Jan 71
Trauma and skin cancer. Brodkin RH, et al.
Med Trial Tech Q 17:37-47, Sep 70 (78 ref.)
Multiple basal cell carcinomas arising in radiated burn scars. Case report. Stone NH, et al.
Plast Reconstr Surg 46:506-9, Nov 70
Consumption--coagulopathy in Kasabach-Merritt syndrome. Rodríguez-Erdmann F, et al.
Trans Assoc Am Physicians 83:168-75, 1970
[Case of verrucous tuberculosis of the skin transforming into planocellular epithelioma] Karpovskaia OG.
Vestn Dermatol Venerol 45:80-1, Feb 71
[Malignant phagedenic ulcers of the leg. Critical revue apropos of 235 cases observed at Dakar from 1959 to 1964] Serafino X, et al.
Bull Cancer (Paris) 55:353-98, Jul-Sep 68 (Fre)
[Malignant melanoma appearing as the immediate sequel to a burn] Delacrétaz J, et al.
Bull Soc Fr Dermatol Syphiligr 77:334-5, 1970 (Fre)
[Cancer of the scrotum of occupational origin] Perrot J, et al.
Bull Soc Fr Dermatol Syphiligr 76:371-2, 1969 (Fre)
[Cutaneous radio-cancer of both hands] Papillon J, et al. J Radiol Electrol Med Nucl 50:750-1, Oct 69 (Fre)
[Skin cancer appearing 40 years after 2 facial wound caused by a casting splash] Thiers H, et al.
Med Leg Domm Corpor (Paris) 1:385, Oct 68 (Fre)
[Malignant tumors--complications of scars caused by smallpox vaccinations] Geiser JD.
Praxis 59:1158-61, 11 Aug 70 (Fre)
[Development of a fibrosarcoma in a "roentgenoderma" following Chaoul's x-irradiation of a hemangioma in early infancy] Undeutsch W.
Aerztl Forsch 24:290-3, 10 Oct 70 (Ger)
[Transplantability of skin tumors of the Syrian hamster induced by the hamster Papovavirus] Bender E, et al.
Arch Geschwulstforsch 34:144-51, 1969 (Ger)
[Multiple squamous epithelium carcinomas after uncontrolled use of radium compress] Tempel V, et al.
Dermatol Monatsschr 156:115-9, 1970 (Ger)
[Skin cancer from sunlight] Gartmann H.
Dtsch Med Wochenschr 96:563-4, 26 Mar 71 (Ger)
[Porokeratosis Mibelli with multiple precancerous and epidermoid carcinomas] Ehlers G, et al.
Hautarzt 22:68-73, Feb 71 (Ger)
[Lichen planus as facultative precancerosis] Jänner M.
Hautarzt 22:267-8, Jun 71 (Ger)
[Trauma and malignant melanoma] Gartmann H.
Hefte Unfallheilkd 107:50-2, 1970 (Ger)
[The importance of trauma in the development of neoplasms, expecially of malignant melanomas from the viewpoint of the pathologist] Schauer A.
Hefte Unfallheilkd 107:9-18, 1970 (Ger)
[Malignant occupational tumors of the skin] Gartmann H. Ther Umsch 27:535-41, Aug 70 (Ger)
[Pathogenic mould. Aspergillus fumigatus as cause of malignant tumor] Teichmann R.
Z Aerztl Fortbild (Jena) 64:143-6, 1 Feb 70 (Ger)
[Why is it hazardous and forbidden to remove a pigmented nevus?] Melczer M.
Orv Hetil 112:988-90, 25 Apr 71 (Hun)
[A case of basal cell epithelioma rising from a cicatrix] Rondelli A.
Arch Ital Dermatol Venereol Sessuol 36:239-49, 1969 (Ita)
[Some critico-evaluative considerations on the relations between the epidermal SH-groups, ultraviolet rays and epithelial tumors] Caccialanza P, et al. G Ital Dermatol 45:563-3, Oct 70 (Ita)
[Cancer on the background of cicatricial ulcers] Kadyrov FA, et al. Klin Khir 345:129-30, Sep 69 (Rus)
[Radiation skin cancer in a x-ray technician] Markizova AB. Med Radiol (Mosk) 15:49-51, Jul 70 (Rus)
[Role of insulation in the genesis of skin cancer] Kronrod BA, et al.
Vestn Dermatol Venerol 45:50-5, Feb 71 (Rus)
[Complications of epithelial coccygeal sinuses and cysts] Derevianko IM, et al.
Vestn Khir 105:87-9, Aug 70 (Rus)
[Skin cancer at the site of scars, fistulas and ulcers] Khazov PD. Vestn Khir 103:80-3, Jun 69 (Rus)
[A rare case of carcinoma of the skin arising after acupuncture (case report)] Tsukerman IM.
Vopr Onkol 16:88, 1970 (Rus)
[Pigmented and nonpigmented skin lesions that can develope into cancer] Curiel J de J.
Prensa Med Mex 35:162-6, Mar-Apr 70 (Spa)
[Are the etiology and pathogenesis of angiokeratoma corporis circumscriptum naeviforme definitely explained?] Bunta S.
Acta Med Iugosl 24:167-71, 1970 (Cro)

FAMILIAL & GENETIC

Basal-cell nevus syndrome. Bodian E.
Arch Dermatol 103:553, May 71
Haber's syndrome. Familial rosacea-like dermatosis with keratotic plaques and pitted scars. Seiji M, et al.
Arch Dermatol 103:452-5, Apr 71
Familial trichoepithelioma of unusual distribution. Linn HW, et al. Australas J Dermatol 11:101-3, Aug 70
Genetic considerations in giant pigmented hairy naevus. Goodman RM, et al.
Br J Dermatol 83:150-7, Aug 71
Skin, heredity, and cancer. Lynch HT.
Cancer 24:277-88, Aug 69 (114 ref.)
Genetic factor in malignant melanoma. Wallace DC, et al. Cancer 27:1262-6, May 71
Basal cell nevus syndrome and Turner's syndrome in a patient. Andreev VC, et al.
Int J Dermatol 10:13-6, Jan-Mar 61
Multiple polyposis associated with various soft tissue tumors. Salazar M, et al.
J Ky Med Assoc 69:512-3, Jul 71
Malignant melanoma in husband and wife. Robertson MG. JAMA 217:1553, 13 Sep 71
Genetic predisposition to melanoma and other skin cancers in Australians. Brown MM, et al.
Med J Aust 1:852-3, 17 Apr 71
[Multiple follicular dysplasias. (Hamartias of the epithelial germ layer)] Undeutsch W.
Hautarzt 22:57-63, Feb 71 (Ger)
[Familial basalioma] Nover A.
Klin Monatsbl Augenheilkd 157:460-2, Oct 70 (Ger)
[On a case of familial utero-cutaneous leiomyomatosis] Buzzoni A. G Ital Dermatol 45:567-8, Oct 70 (Ita)
[The DNA and sex chromatin in pigmented skin neoplasms in man] Naleskina LA.
Vopr Onkol 17:8-14, 1971 (Rus)
[Hereditary melanoma of the skin (2 cases)] Nivinskaia MM, et al. Vopr Onkol 16:81-3, 1970 (Rus)

HISTORY

Story of the pits. Howell JB, et al.
Arch Dermatol 102:583-5, Dec 70
Von Recklinghausen's neurofibromatosis. (Recklinghausen FD von), Wilkins RH, et al.
Arch Neurol 24:374-7, Apr 71

IMMUNOLOGY

In vitro studies on the inhibitory effect of lymph-node cells. I. Antitumor activity of regional lymph-node cells from methylcholanthrene-induced sarcoma bearing mice on the same primary culture sarcoma cells. Osugi M. Acta Med Okayama 24:447-56, Aug 70
Disappearance of a tumor-associated antigen in malignant melanoma after imidazole carboxamide therapy. Nathanson L, et al. Cancer 27:411-5, Feb 71
Evidence for tumor-specific immunity in human malignant melanoma. Nagel GA, et al.
Eur J Cancer 7:41-7, Feb 71
Evidence for immunological surveillance during skin carcinogenesis. Inflammatory foci in immunologically

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

competent mice. Lappé MA.
Isr J Med Sci 7:52-65, Jan 71
Immunologic mechanisms in the induction and regression of Shope papilloma virus-induced epidermal papillomas of rats. Kreider JW, et al.
J Invest Dermatol 56:102-12, Feb 71
Growth of human skin on the hamster. Kreider JW, et al. J Invest Dermatol 57:66-71, Jul 71
Effect of heterologous antithymocyte serum on mouse skin tumorigenesis. Haran-Ghera N, et al.
J Natl Cancer Inst 46:103-12, Jan 71
Epidermal antigens in cutaneous dysplasia and neoplasia. Muller HK, et al.
Nature (Lond) 230:384-5, 9 Apr 71
Urea-extractable antigens in normal, benign, and neoplastic mouse epidermis. Carruthers C.
Oncology 24:321-34, 1970
Immunologic factors in human melanoma "metastatic" to products of gestation (with exchange transfusion of infant to mother). Stephenson HE Jr, et al.
Surgery 69:515-22, Apr 71
[On the behavior of the lymphocyte transformation test (LTT) in certain blastomatous cutaneous diseases] Badanoiu A, et al.
G Ital Dermatol 46:186-8, Apr 71 (Fre)
[Immunologic analysis of tyrosinase in malignant melanoma, nevi and clinically normal skin] Herrmann WP. Arch Dermatol Forsch 241:65-74, 1971 (Ger)
[Unusual diencephalo-cutaneous angiomatosis with decrease of the level of serum immunoglobulins (IgA and IgG)] Del Vecchio M, et al.
Rass Int Clin Ter 50:602-13, 31 May 70 (Ita)
[Effect of increased immunological reactivity on the human skin neoplasms] Stjernswärd J, et al.
Nord Med 84:1310, 8 Oct 70 (Swe)

METABOLISM

Feulgen-microspectrophotometric determination of different evolutionary patterns in serial cultures of cells derived from human skin tumours. Dewse CD, et al. Eur J Cancer 7:49-56, Feb 71
Evaluation of the toxicity of the monoethyl ether of hydroquinone for mammalian melanocytes and melanoma cells. Frenk E, et al.
J Invest Dermatol 56:287-93, Apr 71
Pigment transformation and induction in hamster malignant amelanotic melanocytes. An effect of nucleic acids from hamster benign blue nevus. Lipkin G. J Invest Dermatol 57:49-65, Jul 71
Degradation of melanosomes by lysosomes. Otaki N, et al. J Invest Dermatol 57:1-5, Jul 71
The uptake of labeled vitamin A acid in keratoacanthoma. An electron microscopic radioautography study. Prutkin L, et al.
J Invest Dermatol 55:249-55, Oct 70
Ultraviolet-stimulated thymidine incorporation in xeroderma pigmentosum lymphocytes. Burk PG, et al.
J Lab Clin Med 77:759-67, May 71
[Distribution of sulfur in cutaneous epithelioma: microanalysis by X spectrometry] Duprez A, et al.
Bull Soc Fr Dermatol Syphiligr 77:420-3, 1970 (Fre)
[Radioautographic study of the incorporation in vitro of tritiated thymidine into normal human skin and in certain epidermal proliferations] Lachapelle JM.
Pathol Eur Suppl 1:1-197, 1970 (Fre)
[Relations between the induction of skin cancer, collagen content in the skin and ascorbic acid synthesis in Triturus cristatus] Wirl G, et al.
Arch Geschwulstforsch 35:36-43, 1970 (Ger)

MICROBIOLOGY

Virus-like particles in the hamster melanoma A Mel 3 of fortner. Balda BR, et al.
Naturwissenschaften 57:548, Nov 70

MORTALITY

Prognosis of malignant melanoma according to regional metastases. Veronesi U, et al.
Am J Roentgenol Radium Ther Nucl Med 111:301-9, Feb 71
Incidence of and mortality from malignant melanoma by anatomical site. Lee JA, et al.
J Natl Cancer Inst 47:253-63, Jul 71
Regression of primary malignant melanoma associated with a good prognosis despite metastasis to lymph nodes. Cochran AJ, et al.
Rev Eur Etud Clin Biol 15:969-72, Nov 70
[Lethality from skin diseases] Gerlier W, et al.
Dermatol Monatsschr 156:134-40, 1970 (Ger)
[Statistical aspects on malignant melanoma in Sweden] Malec E. Nord Med 84:1340, 15 Oct 70 (Swe)

OCCURRENCE

Analysis of etiological factors of squamous cell skin cancer of different locations. 4. Concluding remarks. Swanbeck G, et al.
Acta Derm Venereol (Stockh) 51:151-6, 1971
Malignancies in mainland Tanzania: squamous cell carcinomas. Anderson C.
Acta Trop (Basel) 27:208-18, 1970
Incidence of skin cancer. Skipworth GB, et al.
Arch Dermatol 102:561, Nov 70
Clear-cell acanthoma. Br Med J 4:761, 26 Dec 70
Skin cancer in Djakarta: a comparative study. Mochtar M. Int J Dermatol 9:177-9, Jul-Sep 70
The incidence and distribution of pigmented naevi in Indians. Sehgal VN, et al.
J Assoc Physicians India 18:843-5, Oct 70
Skin cancer in Lebanon. Shbaklu Z, et al.
J Med Liban 23:583-9, 1970
Incidence of and mortality from malignant melanoma by anatomical site. Lee JA, et al.
J Natl Cancer Inst 47:253-63, Jul 71
Carcinomas and malignant melanomas of the skin in Western India. Paymaster JC, et al.
J R Coll Surg Edinb 16:166-73, May 71
Sunlight and melanomas. Davis NC.
Lancet 1:803, 17 Apr 71
Sunlight and melanomas. Levene A.
Lancet 1:855, 24 Apr 71
Melanoma in Utah. Cowan LB, et al.
Rocky Mt Med J 68:29-32, Jan 71
Pigmentation of the sole of the foot in Rhodesian Africans. Gordon JA, et al.
S Afr Med J 45:88-91, 23 Jan 71
Malignant melanoma in the North American Negro. Shah JP, et al. Surg Gynecol Obstet 133:437-9, Sep 71
[Findings of nevocarcinoma in the Dermatology Department in Leuven] Haven E, et al.
Arch Belg Dermatol Syphiligr 26:539-43, Oct-Dec 70 (Dut)
[Statistical study of 623 cases of malignant cutaneous melanoma] Maillard GF.
Ann Dermatol Syphiligr (Paris) 98:5-20, 1971 (Fre)
[Cutaneous cancers and multiple cancers] Baréty M, et al. Bull Soc Fr Dermatol Syphiligr 76:475-7, 1969 (Fre)
[Cancerous lesions of the scalp and the tongue in Morocco] Körbler J.
Osterr Z Erforsch Bekaempf Krebskr 25:429-32, 1970 (Ger)
[Diffusion of malignant tumors of the skin in Calabria] Grande P. Rass Int Clin Ter 50:1111-20, 15 Sep 70 (Ita)
[Malignant melanoma in Japanese]
Jap J Cancer Clin 17:245-6, Apr 71 (Jap)

PATHOLOGY

Dermo-epidermal junction in basal cell carcinoma. Kobayasi T.
Acta Derm Venereol (Stockh) 50:401-11, 1970
Electron microscopic study of keratoacanthoma. Takaki Y, et al.
Acta Derm Venereol (Stockh) 51:21-6, 1971
Epidermal mosaic in benign and precancerous neoplasia (with special reference to large-cell acanthomas). Pinkus H.
Acta Dermatol (Kyoto) 65:75-81, Aug 70
Comparative study on the ultrastructure of malignant melanoma and pigmented nevi. Jukubowicz K, et al.
Acta Med Pol 12:107-11, 1971
An autopsy case of Kasabach-Merritt syndrome. Tanaka R, et al. Acta Pathol Jap 20:365-78, Aug 70
Thickness, cross-sectional areas and depth of invasion in the prognosis of cutaneous melanoma. Breslow A. Ann Surg 172:902-8, Nov 70
Multiple glomus tumors of the skin. Conant MA, et al.
Arch Dermatol 103:481-5, May 71
The pits in the nevoid basal cell carcinoma syndrome. Covo JA. Arch Dermatol 103:568-9, May 71
Multiple granular cell schwannomas. Huribut WB.
Arch Dermatol 103:557, May 71
Osteoma cutis. Jewell EW.
Arch Dermatol 103:553-5, May 71
Pigmented Bowen's disease. Matta MT, et al.
Arch Dermatol 103:567-8, May 71
A peculiar papulosquamous eruption involving pigmented nevi. Meyerson LB.
Arch Dermatol 103:510-2, May 71
Multiple acral fibrokeratomas (a variant of prurigo nodularis). Discussion of classification of acral fibrous nodules and of histogenesis of acral fibrokeratomas. Reed RJ, et al. Arch Dermatol 103:287-97, Mar 71
Case presented by Don E. Suter, MD. Suter DE.
Arch Dermatol 102:582, Nov 70
The ultrastructure of Kaposi's sarcoma. Martinez-Penuela JM, et al.
Arch Ital Patol Clin Tumori 13:79-89, Jan-Jun 70
Hemangioma, thrombocytopenia, and anemia. The Kasabach-Merritt syndrome in an animal model. Warner ED, et al. Arch Pathol 91:523-8, Jun 71
Fibrous papule of the nose. Sayian T, et al.
Br J Dermatol 83:111-8, Aug 71
Ocular and nervous system involvement in angioma serpiginosum. Gautier-Smith PC, et al.
Br J Ophthalmol 55:433-43, Jul 71
Recurrent digital fibromas of childhood. An electron microscope study. Battifora H, et al.
Cancer 27:1530-6, Jun 71
Fine structure of the extramammary Paget's cell. Demopoulos RI. Cancer 27:1202-10, May 71
Extraskeletal chondroblastoma. A report of the first recorded case. Kingsley TC, et al.
Cancer 27:203-6, Jan 71
Spindle-cell variant of squamous carcinoma. A light and electron microscopic study of 13 cases. Lichtiger B, et al. Cancer 26:1311-20, Dec 70
Ultrastructure of a fibroxanthosarcoma (malignant fibroxanthoma). Merkow LP, et al.
Cancer 28:372-83, Aug 71
Invasion of the brain by a cellular blue nevus of the scalp. A case report with light and electron microscopic studies. Silverberg GD, et al.
Cancer 27:349-55, Feb 71
Postmastectomy lymphangiosarcoma: ultrastructural observations. Silverberg SG, et al.
Cancer 27:100-8, Jan 71
Ultrastructure of a fibromatosis hyalinica multiplex juvenilis. Woyke S, et al. Cancer 26:1157-68, Nov 70
Electron microscopic study of methylcholanthrene-induced epidermal carcinogenesis in mice: mitochondrial dense bodies and intracisternal A-particles. Kakefuda T, et al.
Cancer Res 30:1011-9, Apr 70
The ultrastructure of Bowen's disease: nuclear and nucleolar lesions. Karásek J, et al.
Cancer Res 30:2791-5, Nov 70
Ultrastructural comparison of two human malignant melanoma cell lines. Maul GG, et al.
Cancer Res 30:2782-90, Nov 70
Effects of 5-fluorouracil (5-FU) ointment on normal and diseased skin. Histological findings and deep action. Klostermann GF.
Dermatologica 140:Suppl 1:47-54, 1970
On benign intra-epidermal follicular acanthomas. Oswald FH. Dermatologica 142:29-44, 1971
Summary of our trial with 5-fluorouracil (5-FU) ointment on the treatment of basal cell epithelioma and senile keratosis. Scarpa C.
Dermatologica 140:Suppl 1:114-8, 1970
A study of melanocytes in the normal skin surrounding malignant melanomata. Wong CK.
Dermatologica 141:215-25, 1970
Distant metastases in laryngeal cancer. Lal M, et al.
Indian J Cancer 7:322-5, Dec 70
Differentiating neoplasms of hair germ. Headington JT.
J Clin Pathol 23:464-71, Sep 70
The histogenesis of basal cell epithelioma. Fahmy SA.
J Egypt Med Assoc 53:473-89, 1970
Reticulohistiocytoma cutis. Rohiah F, et al.
J Egypt Med Assoc 53:272-83, 1970
The localization of phorbol ester 14C acetate in papillomas that were initiated with 7,12 DMBA and promoted with phorbol ester. An electron microscopic autoradiography study. Bogart B, et al.
J Invest Dermatol 56:140-6, Feb 71
Studies of the melanocytes of the epidermis adjacent to tumors. Cochran AJ. J Invest Dermatol 57:38-43, Jul 71
Electron microscopic study of basal cell carcinoma. Ishibashi A, et al. J Invest Dermatol 56:298-304, Apr 71
Ultrastructural studies on Harding-Passey mouse melanoma. Seiji M, et al.
J Invest Dermatol 56:430-5, Jun 71
Trichofolliculoma of the guinea pig. Ediger RD, et al.
J Natl Cancer Inst 46:517-23, Mar 71
Storiform neurofibroma in the core of naevocellular naevi. Bednář B. J Pathol 101:199-201, Jun 70
Contributions to the histogenesis of basal cell carcinoma. Brody I. J Ultrastruct Res 33:60-79, Oct 70
Nevi and melanomas. Hyman AB, et al.
Med Trial Tech Q 17:69-76, Sep 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 30-1971. N Engl J Med 285:279-87, 29 Jul 71
Possible origin and ultrastructure of nuclear bodies in Bowen's disease. Karásek J, et al.
Neoplasma 17:389-97, 1970
Rara avis. Bruno MS, et al.
NY State J Med 71:865-71, 15 Apr 71
Pale cell acanthoma (Degos). Montoya A.
Pathol Microbiol (Basel) 36:38-43, 1970
Superficial malignant melanoma. Clinicopathologic correlation. Hartwell SW Jr, et al.
Plast Reconstr Surg 48:425-8, Nov 70
Studies on the nature of epidermodysplasia verruciformis of Lewandowsky-Lutz as a precancerous condition. Jabłońska S, et al.
Pol Med J 9:1581-8, 1970
Recent advances in the ultrastructure of malignant melanoma. Cesarini JP.
Rev Eur Etud Clin Biol 16:316-22, Apr 71 (12 ref.)
Basal cell carcinoma with metastases. Report of two cases. Hall TE, et al. Rocky Mt Med J 67:39-40, Dec 70
Cutaneous metastasis confined to the scrotum. Report of two cases. Weitzner S.
Rocky Mt Med J 67:40-2, Sep 70
Papillomas (warts) in hairless mice. Mus musculus and Peromyscus maniculatus gambeli. Packchanian A, et al. Tex Rep Biol Med 28:565-80, Winter 70
Changes following emboli in small veins. Warren BA.
Vasc Surg 2:205-13, Dec 68
[Electron microscopy studies on the effect of 5-fluorouracil on basaliomas] Ebner H.
Z Haut Geschlechtskr 46:465-72, 15 Aug 71
[Premalignant fibroepithelioma of the skin] Sedláček V. Cesk Dermatol 46:59-62, Apr 71 (Cze)
[Multiplication of ganglion cells of the choroid in Recklinghausen's disease] Sedláčková J.
Cesk Oftalmol 27:223-5, Jul 71 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Plasmocytomas of the skin] Doormaal TA van, et al. Ned Tijdschr Geneeskd 114:2045-8, 5 Dec 70 (Dut)
[Sulfur distribution in some cutaneous epitheliomas. X-ray spectrometry micro-analysis] Duprez A, et al. Ann Histochim 15:47-51, Jan-Mar 70 (Fre)
[Ota's nevus and malignant melanoma of the choroid] Dhermy P, et al. Arch Ophtalmol (Paris) 31:471-2, May 71 (Fre)
[The cancerous cell in electronic microscopy in human tumors] Reboul J, et al. Bord Med 3:2447-8 passim, Dec 70 (Fre)
[Intra-epidermal epithelioma] Le Coulant P, et al. Bull Soc Fr Dermatol Syphiligr 76:219-20, 1969 (Fre)
[Multiple Ferguson-Smith type kerato-acanthoma] Lèques B, et al. Bull Soc Fr Dermatol Syphiligr 76:207-8, 1969 (Fre)
[Atypical fibroxanthoma] Tapernoux B, et al. Dermatologica 142:93-8, 1971 (Fre)
[Vascular architecture of the skin and of a transplanted epidermoid epithelioma in mice. Microangiographic study] Minet P. J Belge Radiol 53:311-22, Jul-Aug 70 (Fre)
[Scalp tumor induced by irradiation and recognized under the electron microscope as fibrosarcoma] Estable RF de. Laval Med 40:279, Mar 69 (Fre)
[Recklinghausen's disease: plexiform neuroma of exceptional importance] Thiers H, et al. Lyon Med 221:949-50, 20 Apr 69 (Fre)
[Ultrastructure of multicentric reticulohistiocytosis] Ebner H, et al. Arch Dermatol Forsch 240:259-70, 1971 (Ger)
[Becker's melanosis. A finestructural analysis of the pigment changes] Gebhart W, et al. Arch Dermatol Forsch 241:166-78, 1971 (Ger)
[Vascular degeneration in basalioma] Hundeiker M, et al. Arch Dermatol Forsch 240:184-91, 1971 (Ger)
[Melanin-forming membrane structures freely occurring in the cytoplasm of malignant melanoma cells] Klingmüller G, et al. Arch Dermatol Forsch 241:115-21, 1971 (Ger)
[Melanocytes of the hair matrix in malignant melanoma] Nödl F. Arch Dermatol Forsch 240:427-34, 1971 (Ger)
[Studies on proteins in skin neoplasms] Rodermund OE. Arch Dermatol Forsch 240:383-93, 1971 (Ger)
[Ultrastructure of the hamster melanoma A Mel 3 of Fortner] Wolff HH, et al. Arch Dermatol Forsch 240:192-203, 1971 (Ger)
[Lymphatics in malignant melanoma] Nödl F. Arch Klin Exp Dermatol 238:169-78, 1970 (Ger)
[Satellite metastases in malignant melanoma] Nödl F. Arch Klin Exp Dermatol 238:179-86, 1970 (Ger)
[Pulse cytophotometry of DNA in skin tumours] Schumann J, et al. Arch Klin Exp Dermatol 239:377-89, 1971 (Ger)
[Lymphangiokeratoma circumscriptum non naeviforme] Cramer HJ. Dermatol Monatsschr 157:121-5, Feb 71 (Ger)
[Telangiectic carcinoma and erysipeloid carcinoma. Clinical and histological aspects of this special clinical manifestation of secondary skin carcinoma] Ebner H, et al. Dermatol Monatsschr 157:188-94, Mar 71 (Ger)
[Histochemical characteristics of lipids in a case of xanthomatous melanoma] Georgieva S, et al. Dermatol Monatsschr 156:333-40, 1970 (Ger)
[Balloon cell nevus. A special form of nevus cell nevus] Haustein UF. Dermatol Monatsschr 157:195-8, Mar 71 (Ger)
[Ultrastructure of melanosomes in malignant melanoma] Jakubowicz K, et al. Dermatol Monatsschr 156:299-307, 1970 (Ger)
[Sub-microscopy of malignant melanomas] Klingmüller G, et al. Dermatol Monatsschr 156:308-12, 1970 (Ger)
[Differentiation of melanoma cells and melanophages in malignant melanoma in humans] Klug H, et al. Dermatol Monatsschr 156:320-8, 1970 (Ger)
[Fine structure of melanophages in malignant melanoma in man] Klug H, et al. Dermatol Monatsschr 155:639-50, 1969 (Ger)
[Malignant degeneration of Spiegler's tumor] Korting GW, et al. Dermatol Monatsschr 156:141-7, 1970 (Ger)
[Comparison of the structure of primary melanoma with melanoma metastasis] Thormann T, et al. Dermatol Monatsschr 156:313-9, 1970 (Ger)
[Osteosis cutis multiplex faciei] Zabel R. Dermatol Monatsschr 156:798-801, Aug 70 (Ger)
[Calcifying and necrotizing epithelioma in a 1-year-old child] Hohenwald H, et al. Dtsch Gesundheitsw 25:639-40, 8 Apr 70 (Ger)
[Skin metastases in prostatic neoplasms] Benz K, et al. Dtsch Med J 22:490-4, Aug 71 (Ger)
[A paradox reticulopathy] Chorążak T, et al. Hautarzt 22:100-5, Mar 71 (Ger)
[Lichen amyloidus in generalized pericollagenic amyloidosis and plasmacytoma, coincidence of epithelioma adenoides cysticum Brooke and Spiegler tumors] Jänner M. Hautarzt 22:265-6, Jun 71 (Ger)
[Trichofolliculoma] Lee S, et al. Hautarzt 22:165-7, Apr 71 (Ger)
[Pigmentated Bowen carcinoma] Lee S, et al. Hautarzt 22:354-8, Aug 71 (Ger)
[New development of sebaceous glands over histiocytomas] Undeutsch W, et al. Hautarzt 21:454-8, Oct 70 (Ger)
[Onset mycosis fungoides, eosinophilic granuloma of the face, striated pigmented nevus, acrodermatitis papulosa infantum Gianotti-Crosti, lichen ruber planus et atrophicus, onychogryposis hypertrophic Bowen's syndrome] Zingler J, et al. Hautarzt 21:377-8, Aug 70 (Ger)
[Observations on the transformation of a neuroblastoma into ganglioneuroma in a pre-school child] Nitschke R, et al. Monatsschr Kinderheilkd 117:634-9, Jan 69 (Ger)
[A case of Kaposi's disease involving the pharynx] Vrisk A, et al. Monatsschr Ohrenheilkd Laryngorhinol 104:550-3, 1970 (Ger)
[Malignant granulated-cell tumor of the skin (synonyma: alveolar soft-tissue sarcoma, malignant granular myoblastoma)] Gartmann H, et al. Z Haut Geschlechtskr 45:717-26, 15 Oct 70 (Ger)
[Vascular diseases of the vulva (2.) 1. Glomangiom (Glomustumor). 2. Kasebach-Merritt syndrome. 3. Mafucci-syndrome (Mafucci-Kast-syndrome)] Grimmer H. Z Haut Geschlechtskr 46:Suppl:41-8, 15 Mar 71 (Ger)
[Diseases of the external female genital. 1. Verruca seborrhoica (verruca senilis, seborrhoic keratoses, pigmented papilloma, "basal cell papailloma"). 2. Melanoacenthoma] Grimmer H. Z Haut Geschlechtskr 45:151-60, 15 Nov 70 (Ger)
[Histological report No. 224. Development of a secondary multicentric granuloma on the basis of a hemangioma in female anogenital region] Szegő L, et al. Z Haut Geschlechtskr 44:Suppl:153-6, 1 Dec 69 (Ger)
[The problem of phakomatosis] Haim M, et al. Zentralbl Chir 95:893-9, 25 Jul 70 (Ger)
[Clear cell acanthoma. Apropos of 4 cases] Berardi P, et al. Arch Ital Dermatol Venereol Sessuol 36:107-19, 1969 (Ita)
[Maturation of metastases of neuroblastoma with transformation into ganglioneuroma] Dalforno S, et al. Cancro 21:669-75, 1968 (Ita)
[Skin tumors--with special reference to histopathology] Nishio K. Iryo 24:838-54, Nov 70 (Jap)
[Further observations on Paget's cell] Horiki M, et al. J Electron Microsc (Tokyo) 20:40-8, 1971 (Jap)
[Cutaneous meningioma: report of a case] Nishimura K, et al. Jap J Cancer Clin 16:1002-8, Sep 70 (Jap)
[Malignant melanoma in children (4 personal cases)] Stoba C, et al. Nowotwory 20:297-304, 1970 (Pol)
[Naevobasalioma] Rubisz-Brzezińska J, et al. Przegl Dermatol 57:653-9, Sep-Oct 70 (Pol)
[Acantholytic epidermoid epithelioma adenoacanthoma (Lever)] Fraga S, et al. An Bras Dermatol 45:121-30, Apr-Jun 70 (Por)
[Morphologic changes in the skin of animals following a single application of carcinogenic hydrocarbons] Vasil'eva NN. Biull Eksp Biol Med 71:116-9, Mar 71 (Rus)
[Angiomas with the cinical appearance f melanoma] Gómez Orbaneja J, et al. Actas Dermosifiliogr 60:379-85, Nov-Dec 69 (Spa)
[Spitz' atypical nevus (juvenile melanoma). Clinico-pathological study of 9 cases] Huarte PS. Actas Dermosifiliogr 61:205-24, Jul-Aug 70 (Spa)
[Histochemical and ultrastructural study of Kaposi's angiosarcoma] Gómez Orbaneja J, et al. Rev Clin Esp 121:13-20, 15 Apr 71 (Spa)
[Balloon cell nevi] Abaci F, et al. Tip Fak Mecm 32:474-88, 1969 (Tur)

PHYSIOPATHOLOGY

The mode of spread of Hodgkin's disease to the skin. Benninghoff DL, et al. Cancer 26:1135-40, Nov 70
[Thermochemical explanation of hyperthermia due to malignant melanoma] Lintermans J, et al. Arch Dermatol Forsch 240:237-44, 1971 (Fre)

PREVENTION & CONTROL

A two-year experience with a series of rural skin and oral cancer detection clinics. Weary PE. JAMA 217:1862-3, 27 Sep 71

RADIOGRAPHY

Lymphangiography in malignant melanoma. Long term results. Roo T de. Arch Chir Neerl 22:189-203, 1970
[Radiography of the skin] Gros C, et al. J Radiol Electrol Med Nucl 51:731-41, Dec 70 (Fre)
[Lymphographic aspects in diagnosis of metastases of malignant melanoma] Lüning M, et al. Dermatol Monatsschr 156:404-15, 1970 (Ger)
[Clinical value of lymphography in malignant melanoma cutis] Putnik M, et al. Srp Arh Celok Lek 98:51-6, Jan 70 (Ser)

RADIOTHERAPY

Malignant melanoma, its treatment by the endolymphatic administration of radioactive isotopes. Ariel IM. Am J Roentgenol Radium Ther Nucl Med 111:310-22, Feb 71
Hutchinson's freckle treated by the Miescher technique utilizing a Grenz-Ray machine adapted for the purpose. Orfuss A, et al. Arch Dermatol 103:456-8, Apr 71
The treatment of cutaneous manifestations of lymphoma by means of electron beam. Heller EH. Australas Radiol 14:319-22, Aug 70
Grenz ray treatment of basal cell carcinoma. McCabe R. J Ky Med Assoc 69:275-6, Apr 71
The use of high activity cobalt 60 sources for intracavitary and surface mould therapy. Joslin CA, et al. Proc R Soc Med 63:1029-34, Oct 70
Radiation-induced pseudorecidivation. Vaeth JW. Radiology 99:173-4, Apr 71
[Contact radiotherapy of extensive cutaneous lesions] Konečný M, et al. Cesk Radiol 25:15-8, Jan 71 (Cze)
[1st results of treatment of nevus flammeus by P32] Thuilliez M. Arch Belg Dermatol Syphiligr 24:41-4, 1968 (Fre)
[Indications for electron therapy in the treatment of tumors of the head and neck] Ennuyer A, et al. Bull Cancer (Paris) 56:43-60, Jan-Mar 69 (Fre)
[Roentgen irradiation of synchronized animal tumors] Ganzer U, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:396-400, 1970 (Ger)
[The x-ray treatment of melanotic precancerosis. Study of 88 follow-up cases] Arma-Szlachcic M, et al. Hautarzt 21:505-8, Nov 70 (Ger)
[Radiotherapy of synchronized skin neoplasms in mice] Ganzer U, et al. Strahlentherapie 140:711-6, Dec 70 (Ger)
[Considerations on some complications correlated with radiotherapy of cutaneous angiomas] Francesconi G, et al. Boll Mal Orecch Gola Naso 88:215-34, 1970 (Ita)
[Radiotherapy of cutaneous and mucosal angiomas. Case reports from the Childrens Hospital of Ancona from 1956 to 1969] Marini G. Minerva Pediatr 22:2473-4, 15 Dec 70 (Ita)
[Interstitial treatment of neoplasms using Iridium 192] Dańczak Z. Nowotwory 20:89-93, Apr-Jun 70 (Pol)
[Late post-irradiation changes after treatment of angiomas in children] Bordzilowska I, et al. Pol Tyg Lek 26:55-8, 11 Jan 71 (Pol)
[The relative biologic effectiveness of fast electrons generated by the linear accelerator LUE-25] Kozlov AP, et al. Med Radiol (Mosk) 16:69-71, Mar 71 (Rus)
[Short-focus x-ray therapy and its role in the treatment of children with hemangiomas of the external tegmen] Konevalov RB. Pediatriia 49:38-9, Nov 70 (Rus)
[Radiotherapy of nevogenic tumors] Grigorian GT. Zh Eksp Klin Med 7:75-81, 1967 (Rus)
[Treatment of angiomas with soft and superficial radiation] Figueroa F. Actas Dermosifiliogr 60:387-9, Nov-Dec 69 (Spa)
[Case study in the radiotherapeutic treatment of cutaneous angiomas] Orbaneja G, et al. Actas Dermosifiliogr 60:397-402, Nov-Dec 69 (Spa)

SURGERY

Malignant melanoma of the skin of the head and neck. An analysis of 405 cases. Ballantyne AJ. Am J Surg 120:425-31, Oct 70
Treatment of basal cell carcinoma of the skin with curettage. Reymann F. Arch Dermatol 103:623-7, Jun 71
Integumentectomy for malignant melanoma of the limbs. Hueston JT. Aust NZ J Surg 40:114-8, Nov 70
Lower extremity amputations and rehabilitation in patients with Kaposi's sarcoma. Casvan A. Bull Hosp Joint Dis 32:10-20, Apr 71
"Prophylactic" lymph-node resection in melanoma. Ochsner A. Can J Surg 14:97-8, Mar 71
Histopathology of skin cancer following cryosurgery. Preliminary report. Sacarian SA. Int Surg 54:255-63, Oct 70
Histopathology of skin cancer following cryosurgery. Preliminary report. Zacarian SA. Int Surg 54:255-63, Oct 70
Laser treatment of tattoos and angiomas. Kitzmiller KW. J Med Assoc Ga 59:385-6, Oct 70
Cryosurgery of skin tumors. Graham GF. NC Med J 32:81-7, Mar 71
Cutaneous cryosurgery. Torre D. NY State J Med 70:2551-4, 15 Oct 70
Xeroderma pigmentosum--five-year arrest after total resurfacing of the face. Gleason MC. Plast Reconstr Surg 46:577-81, Dec 70
Treatment of cicatrizing basal cell carcinomas. Moore JR. Plast Reconstr Surg 47:371-4, Apr 71
The use of 5-fluorouracil cream to define suitable donor areas. Ryan RF, et al. Plast Reconstr Surg 46:433-6, Nov 70
"Prophylactic" regional lymphadenectomy for cutaneous melanoma. Wilkinson TS. Plast Reconstr Surg 47:377-8, Apr 71
Management of pigmented lesions in childhood. Bodenham DC. Proc R Soc Med 64:577-8, May 71
The extended radical groin dissection for melanomas of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the lower extremity. Ariel IM.
Surg Gynecol Obstet 132:116-22, Jan 71
Immunologic factors in human melanoma "metastatic" to products of gestation (with exchange transfusion of infant to mother). Stephenson HE Jr, et al. Surgery 69:515-23, Apr 71
Subungual keratoacanthoma. Report of case with multiple digital lesions. Scrimenti RJ, et al. Wis Med J 70:83-6, Feb 71
[Reflections on treatment of cutaneous epitheliomas. On the importance of a directed and oriented intraoperative histological examination] Vrebos J. Acta Chir Belg 68:634-50, Nov 69 (Fre)
[Reflections on treatment of cutaneous epitheliomas. On the importance of a directed and oriented intraoperative histological examination] Vrebos J. Acta Chir Belg 68:634-50, Nov 69 (Fre)
[Surgical treatment of cutaneous epithelioma of nasal region] Depaulis J. Bord Med 3:2111-4, Sep 70 (Fre)
[Prognostic study and remote results of the treatment of a series of 160 malignant cutaneous melanoma of cervicofacial localization] Santi G de, et al. Bull Cancer (Paris) 57:433-46, Oct-Dec 70 (Fre)
[Radical tegumentary vulvectomy with immediate cutaneous graft: a surgical solution for vulvar Bowen's disease] Marchac D, et al. Bull Soc Fr Dermatol Syphiligr 78:24-6, 1971 (Fre)
[Contribution to the clinical application of lasers] Mester E, et al. Lyon Chir 65:335-45, May-Jun 69 (Fre)
[Surgical treatment of the sacral dermoid using a new modified marsupialisation method] Zambouras DA, et al. Chirurg 42:330-1, Jul 71 (Ger)
[Surgical treatment of basaliomas with special reference to the cosmetic effect] Kúta A. Cosmetologica 19:123-30, 20 Apr 70 (Ger)
[Presurgical freezing of malignant melanoma from clinical view] Grüneberg T. Dermatol Monatsschr 156:433-6, 1970 (Ger)
[Preoperative freezing of malignant melanoma from histological view] Krinitz K. Dermatol Monatsschr 156:437-41, 1970 (Ger)
[Experiences in the surgery of malignant melanoma] Weese K. Dermatol Monatsschr 156:427-32, 1970 (Ger)
[Do lymphographic examination results influence the indication for lymph node excision in malignant melanoma?] Winter H, et al. Dermatol Monatsschr 156:416-26, 1970 (Ger)
[Dermatofibrosarcoma protuberans] Haim S, et al. Harefuah 78:550-2, 1 Jun 70 (Heb)
[The surgical approach to malignant melanoma of the skin] Mahler D, et al. Harefuah 78:234-6, 1 Apr 70 (Heb)
[Remote results of treatment of melanoma of the skin] Szczygiel K, et al. Nowotwory 20:295-6, 1970 (Pol)
[Remote results of surgical treatment of pigmented nevi in children using a free skin graft] Jaworski S, et al. Pol Przegl Chir 43:241-6, Feb 71 (Pol)
[Free skin graft in surgical treatment of skin hemangiomas in children] Golovatiuk LE. Vestn Khir 105:110-1, Aug 70 (Rus)
[Primary autoplasty in the treatment of skin cancer] Mamchenko NS. Vopr Onkol 16:80, 1970 (Rus)
[Surgical treatment of malignant melanoma] Holmström H. Nord Med 85:507, 22 Apr 71 (Swe)
[Practical treatment of malignant melanoma] Köriof B. Nord Med 84:1340-1, 15 Oct 70 (Swe)

THERAPY

Transactions of the Swedish Dermatological Society. The National Medical Annual Congress in Stockholm, December 2, 1967. Symposium on the treatment of cancer cutis.
Acta Derm Venereol (Stockh) 50:475-8, 1970
Isolation perfusion. An adjunct to surgical excision in the primary treatment of melanoma of the extremities. Alrich EM, et al.
Am J Surg 121:583-5, May 71
Reticulum cell lymphoma. Fromer JL.
Arch Dermatol 102:124-5, Jul 70
Multiple keratoacanthomas. Kopf AW.
Arch Dermatol 103:543-4, May 71
The recurrent basal cell epithelioma. A study of 100 cases of recurrent, re-treated basal cell epitheliomas. Menn H, et al. Arch Dermatol 103:628-31, Jun 71
Cancer and precancer of the skin, review of 40 years experience in therapy. Eller JJ.
Ind Med Surg 40:54-6, Apr 71
Results of treatment of 361 patients with malignant melanoma in Queensland. McLeod GR, et al.
Med J Aust 1:1211-6, 5 Jun 71
Therapy of common skin cancers and keratoses.
Med Lett Drugs Ther 12:57-8, 10 Jul 70
Malignant melanoma. The diagnosis and management. Milton GW. Minn Med 54:435-9, Jun 71
Immunotherapy of cancer: regression of tumors after intralesional injection of living Mycobacterium bovis. Zbar B, et al. Science 172:271-3, 16 Apr 71
Clinical experiences in immunotherapy of cancer. Krementz ET, et al.
Surg Gynecol Obstet 133:209-17, Aug 71
Malignant melanoma. Moore GE, et al.
Surg Gynecol Obstet 132:427-36, Mar 71
[Effect of locally applied cytostatics and very soft x-ray irradiation on skin carcinomas] Trnka J.
Cesk Dermatol 45:228-32, Sep 70 (Cze)
[Recent therapeutic trends in already diffused malignant melanoma] Banzet P, et al.
Bull Cancer (Paris) 57:423-31, Oct-Dec 70 (Fre)
[Treatment of malignant melanoma at the Fondation Curie] Pilleron JP, et al.
Bull Cancer (Paris) 57:413-22, Oct-Dec 70 (Fre)
[Treatment of malignant reticulohemopathies with limewashing using mechlorethamin] Elalouf C, et al. Bull Soc Fr Dermatol Syphiligr 77:782-6, 1970 (Fre)
[Treatment of skin cancer] Laugier P, et al.
Praxis 59:169-70, 3 Feb 70 (Fre)
[Therapeutic experiences in melanoma patients] Szodoray L, et al.
Dermatol Monatsschr 156:445-7, 1970 (Ger)
[Clinical aspects and therapy of mycosis fungoides] Eichenberger-de Beer H, et al.
Hautarzt 21:458-64, Oct 70 (Ger)
[Malignant melanoma. Remarks on W. Mühlbauer. Münch. med. Wschr. issue 112 (1970) 3, 105-114] Stein G. Munch Med Wochenschr 112:2264, 4 Dec 70 (Ger)
[Diagnosis and therapy of malignant melanoma] Storck H. Ther Ggw 109:1110-2 passim, Aug 70 (Ger)
[Therapy of pigmented skin tumors] Eppel A, et al. Wien Med Wochenschr 120:149-52, 28 Feb 70 (Ger)
[Diagnosis and therapy of skin tumors] Knoth W. Z Allgemeinmed 47:468-9, 31 Mar 71 (Ger)
[Controlled therapeutic experimentation in malignant melanomas] Cascinelli N, et al.
Atti Accad Med Lomb 23:37-44, Jan-Mar 68 (Ita)
[Lymph node metastases as a prognostic factor in the treatment of melanoma of the limbs] Kulakowski A, et al. Nowotwory 21:83-7, Jan-Mar 71 (Pol)
[Use of auratin in the complex therapy of melanomas] Zolotkov AG, et al. Antibiotiki 15:1111-6, Dec 70 (Rus)

URINE

Urinary excretion of 3',5'-AMP in syndromes considered refractory to parathyroid hormone. Aurbach GD, et al. Metabolism 19:799-808, Oct 70
[Relations between the elimination of indolmelanogens and hydroxyindol particles in urine] Schwartze G. Dermatol Monatsschr 156:361-6, 1970 (Ger)
[Experiences of the demonstration of indole melanogens in urine in malignant melanomas] Lahmer H, et al.
Z Aerztl Fortbild (Jena) 65:316-7, 15 Mar 71 (Ger)

VETERINARY

Radiation-induced cutaneous neoplasms in a sheep. Ragan HA, et al. Am J Vet Res 32:167-72, Jan 71
Chemotherapy in reticulum-cell sarcoma in five dogs and a cat and in mast-cell leukemia in a cat. McClelland RB. Cornell Vet 61:477-81, Jul 71
Cutaneous melanoma in a calf. Paikne DL, et al. Indian Vet J 48:631-2, Jun 71
Regression of bovine lymphosarcoma. Miller LD, et al. J Am Vet Med Assoc 158:1536-41, 1 May 71
Basal-cell tumour in a rhesus monkey (Macaca mulatta). Schiller AL, et al. J Pathol 99:327-9, Dec 69
Equine cutaneous mastocytosis. Altera K, et al. Pathol Vet 7:43-55, 1970
Canine cutaneous histiocytoma. A light and electron microscopic study. Kelly DF. Pathol Vet 7:12-27, 1970
Mastocytoma in a pig. Migaki G, et al.
Pathol Vet 7:353-5, 1970
A cutaneous horn on the bovine teat. Corcoran CJ.
Vet Rec 86:771-2, 27 Jun 70
[3 cases of hyperplastic cutaneous hemangiomatosis in Frisian black-foot French cows] Villemin M, et al.
Bull Acad Vet Fr 42:127-9, Mar 69 (Fre)
[Melanosis maculosa and malignant melanoma in a bull] Geisel O, et al.
Berl Munch Tierarztl Wochenschr 83:418-20, 1 Nov 70 (Ger)
[Progranulogenesis in tumor mast cells of the dog] Rudolph R.
Dtsch Tierarztl Wochenschr 78:422-5, 1 Aug 71 (Ger)
[Skin neoplasms in pike-perch] Brichuk PF.
Veterinariia 8:87-9, Aug 70 (Rus)

SKIN PIGMENTATION see under PIGMENTATION

(E1, G1)

SKIN SYPHILIS see SYPHILIS, CUTANEOUS

(C1, C12)

SKIN TEMPERATURE (G1)

Skin temperature variation and acid-base balance during the first minutes of life. Laakso L, et al. Ann Chir Gynaecol Fenn 60:76-80, 1971
Skin circulation changes in the newborn during the first minutes of life as measured by thermography and skin thermometer. Viitanen SM, et al.
Ann Clin Res 3:153-8, Jun 71
Detection of vascular occlusions during operation by segmental plethysmography and skin thermometry. Griffin LH Jr, et al. Ann Surg 173:389-97, Mar 71
Cutaneous thermometry for topical therapy evaluation of U. V. erythema in the guinea-pig. Lambelin G, et al.
Arzneim Forsch 21:44-7, Jan 71
The effect of local temperature variations on the sebum excretion rate. Cunliffe WJ, et al.
Br J Dermatol 83:650-4, Dec 70
Skin temperature and blood flow in relation to the speed of suction blister formation. Peachey RD.
Br J Dermatol 84:447-52, May 71
The diurnal variation of water vapour loss from the skin in relation to temperature. Spruit D.
Br J Dermatol 84:66-70, Jan 71
Variations in skin temperature of the face in normal subjects and in patients with mandibular dysfunction. Berry DC, et al. Br J Oral Surg 8:242-7, Mar 71
Thalamic neurons responsive to temperature changes of glabrous hand and foot skin in squirrel monkey. Burton H, et al. Brain Res 24:179-90, 1 Dec 70
Applicance of the functional test for investigations on the skin surface temperature at impending vibration disease. Banaszkiewicz T, et al.
Bull Inst Mar Med Gdansk 21:147-62, 1970
Simple reaction time to cutaneous temperature stimuli. Corson JH, et al. Can J Psychol 24:305-10, Oct 70
The thermoprofile as an early indicator of breast cancer response to hormonal therapy. Stoll BA.
Cancer 27:1379-83, Jun 71
Detection of caf flow in ventriculo-atrial shunts by cold transfer. Go KG, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:69+, 1970
Response to cutaneous pain in mental hospital patients. Kane EM, et al. J Abnorm Psychol 77:52-60, Feb 71
Louisa Burns Memorial Symposium: Autonomic control of vasomotion, sweating, and skin temperature in humans. Kelso AF.
J Am Osteopath Assoc 70:1025-46, Jun 71
Importance of skin temperature in the regulation of sweating. Nadel ER, et al. J Appl Physiol 31:80-7, Jul 71
Effects of level and rate of body surface cooling on psychomotor performance. Kiess HO, et al.
J Appl Psychol 54:336-92, Aug 70
Skin temperature, blood flow, and venous occlusion. Keaveny TV, et al.
J Cardiovasc Surg (Torino) 11:219-23, May-Jun 70
A thermographic study of the dorsal surface temperature of the new-born rabbit. Cross KW, et al.
J Physiol (Lond) 208:24P-25P, May 70
The influence of deep body temperatures and skin temperatures on peripheral blood flow in the pig. Ingram DL, et al. J Physiol (Lond) 215:693-707, Jul 71
The significance of changes in the temperature of the skin and body core of the chicken in the regulation of heat loss. Richards SA.
J Physiol (Lond) 216:1-10, Jul 71
Finger temperature responses to local cooling in several groups of subjects in Hokkaido. Ito S, et al.
Jap J Physiol 20:370-80, Aug 70
Body temperatures in the elderly. Eddy TP, et al.
Lancet 2:1068, 21 Nov 70
Placental localization by liquid crystal thermography. Peterson EN, et al. Obstet Gynecol 37:468-73, Mar 71
The calculation of skin temperature distributions in thermography. Draper JW, et al.
Phys Med Biol 16:201-11, Apr 71
Effect of length of cold showers on skin temperatures and exercise heart rate. Falls HB, et al.
Res Q Am Assoc Health Phys Educ 41:353-60, Oct 70
Thermographic study of heat flow in the detection of incompetent perforating veins. Patil KD, et al.
Surg Gynecol Obstet 132:396-402, Mar 71
[Measurement of temperature expenditure from the skin and clothing using flow calorimetry on the enveloping air layer] Ipser J, et al.
Fysiatr Reumatol Vesta 45:165-72, Jun 67 (Cze)
[A new method of cutaneous colored thermometry: liquid crystals] Ambrosi C, et al.
Angeiologie 22:277-80, Sep-Oct 70 (Fre)
[Intravascular thermistography is preferable to measurement by cutaneous thermistance] Jacquet M. Angeiologie 22:389-92 passim, Nov-Dec 70 (Fre)
[Thermochemical explanation of hyperthermia due to malignant melanoma] Lintermans J, et al.
Arch Dermatol Forsch 240:237-44, 1971 (Fre)
[Combined heat transfer at the level of the hand in humans under the influence of rewarming] Lemaire R, et al. C R Soc Biol (Paris) 164:1479-81, 1970 (Fre)
[Study of local cutaneous thermal regulation in man by the thermoconvectance method. Demonstration of a cooperative histamino-bradykinic mechanism] Gautherie M.
J Physiol (Paris) 63:41-76, Jan-Feb 71 (Fre)
[Relations between circulation and heat loss by natural convection at the level of the hand of the human subject] Lemaire R, et al.
J Physiol (Paris) 62:Suppl 2:292, 1970 (Fre)
[Effects of ischemia on convective thermal transfer at the hand level] Lemaire R, et al.
J Physiol (Paris) 63:67A-68A, Mar-Apr 71 (Fre)
[Circadian evolution of rectal and skin temperature in humans at rest in a controlled environment] Timbal J, et al. J Physiol (Paris) 1:Suppl 1:181, 1969 (Fre)
[Colorimetric method of cutaneous thermometry] Ambrosi C, et al. Mars Med 106:689-90, 1969 (Fre)
[Application of cutaneous thermometry to the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

objectivation of effects of tocopheryl-quinone in muscular pathology] Balmes A, et al.
Therapeutique 46:871-8, Nov 70 (Fre)
[Consensual vascular reactions in swine adapted to cold] Nichelmann M.
Arch Exp Veterinaermed 24:801-8, 1970 (Ger)
[Postnatal development of the consensual vascular reaction in swine] Nichelmann M, et al.
Arch Exp Veterinaermed 24:997-1006, 1970 (Ger)
[Behavior of metabolism during local cooling of the body surface in pigs] Nichelmann M.
Arch Exp Veterinaermed 24:809-15, 1970 (Ger)
[Consensual vascular reactions in the pig. VI. Stimulation of various size skin areas of the hypogastric region with ice-water-perfused thermodes] Nichelmann M, et al.
Arch Exp Veterinaermed 24:841-8, 1970 (Ger)
[Skin and internal body temperature with slightly heated circular pelvic mudpacks. 1] Cordes JC.
Arch Phys Ther (Leipz) 22:9-12, Jan-Feb 70 (Ger)
[Late studies on the blood flow in free autologous whole skin autografts in man] Gloor M, et al.
Dermatol Monatsschr 156:236-42, Apr 70 (Ger)
[Changes in the acral rewarming time in patients with endogenic eczema in simulated altitudes (2000m)] Harnack K.
Dermatol Monatsschr 157:155-9, Mar 71 (Ger)
[Comparative infrared determinations of the rewarming of the skin in endogenous and atopic eczema] Meffert H, et al.
Dermatol Monatsschr 157:108-14, Feb 71 (Ger)
[Measuring of surface temperatures using infrared thermography in veterinary medicine. Preliminary report] Stephan E, et al.
Dtsch Tieraerztl Wochenschr 78:330-2, 1 Jun 71 (Ger)
[Oxygen consumption and body temperatures during prolonged acute hypoxia in humans] Lüders K, et al.
Int Z Angew Physiol 27:283-91, 23 Oct 69 (Ger)
[Studies on the correlation between hematocrit value, local skin temperature and human body weight] Cordes JC, et al.
Z Gesamte Inn Med 26:407-8, 15 Jun 71 (Ger)
[Thermoregulation of the infants skin under different environmental noise at different environmental temperatures] Döring B, et al.
Z Kinderheilkd 109:221-7, 1971 (Ger)
[Method of comparison of chronological changes of skin temperature under various conditions] Nagata H, et al. Med Biol (Tokyo) 81:295-9, 10 Dec 70 (Jap)
[Method for serial determination of skin temperature during cold exposure] Nagata H, et al.
Med Biol (Tokyo) 81:267-72, 10 Dec 70 (Jap)
[Interaction of skin temperature and visual analyzers at different phases of the menstrual cycle] Volodina AV, et al. Biull Eksp Biol Med 70:17-9, Jul 70 (Rus)
[Seasonal variations in heat insulation in the rat organism] Shung KV, et al.
Dokl Akad Nauk SSSR 190:962-5, Feb 70 (Rus)
[The temperature stimulus for formation and development of thermoregulatory tone in shivering] Ivanov KP, et al.
Fiziol Zh SSSR 56:1633-7, Nov 70 (Rus)
[Steady potentials of the human brain during thermal actions on the trigeminal zone] Starobinets MKh, et al. Fiziol Zh SSSR 57:956-61, Jul 71 (Rus)
[Functional thermometric tests in varicose veins of the lower extremities] Zubarev VF.
Khirurgiia (Mosk) 47:52-6, Feb 71 (Rus)
[Skin temperature reactions in healthy persons and patients with eczema under the action of a segmented UHF electric field and ultraviolet irradiation of the cervical sympathetic ganglia] Khenven ML.
Vopr Kurortol Fizioter Lech Fiz Kult 35:547-9, Nov-Dec 70 (Rus)
[Topography of skin heat exchange during bathing] Latyshev GD, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:442-6, Sep-Oct 70 (Rus)
[Phenomenon ofskin temperature fluctuations in lumbosacral radiculitis] Shafer IuI.
Zh Nevropatol Psikhiatr 70:1642-3, 1970 (Rus)
[Experimental model for controlled burns with measurement of subcutaneous temperature] Gitis EI, et al. Fiziol Zh 14:114-6, Jan-Feb 68 (Ukr)
[Semiconductor thermometer for measuring skin temperature] Lebed' ON, et al.
Fiziol Zh 16:559-61, Jul-Aug 70 (Ukr)
[Role of cholinergic structures of skin in its temperature reactions] Tachkova AM, et al.
Fiziol Zh 16:542-4, Jul-Aug 70 (Ukr)

DRUG EFFECTS

Thermographic registration of flush. Aberg G, et al.
Arzneim Forsch 21:795-6, Jun 71
Changes of temperature of the skin in patients with eczema under the effect of treatment with corticosteroids. Teodosieva E.
Folia Med (Plovdiv) 11:405-13, 1969
Thermographic registrations of some vascular effects of a local anaesthetic compound. Aberg G, et al.
Sven Tandlak Tidskr 63:671-8, Oct 70
[Thermometric evaluation of peripheral circulatory changes after administration of Ildamen] Kadeřávek F. Fysiatr Revmatol Vestn 49:179-84, Aug 71 (Cze)
[Alpha blocking properties of dihydro ergot derivatives. Findings on skin and muscle temperature] D'Ayala Valva G, et al.
Riv Crit Clin Med 67:191-9, Aug 67 (Ita)
[Temperature asymmetry in workers subject to the action of formaldehyde fumes] Kamchatnov VP, et al.
Gig Sanit 36:100-1, 1971 (Rus)

SKIN TESTS (E1)

Leishmanin skin sensitivity in northwestern Mali. Imperato PJ, et al. Acta Trop (Basel) 27:260-5, 1970
An evaluation of diagnostic tests for hydatid disease. Apt W, et al. Am J Trop Med Hyg 19:943-6, Nov 70
Worldwide pattern of skin sensitivity to histoplasmin. Edwards PQ, et al.
Am J Trop Med Hyg 20:288-319, Mar 71
Practical significance of booster effect of delayed type of skin test. Duboczy BO.
Am Rev Resp Dis 103:719-21, May 71
Cross reactivity in skin testing with histoplasmin. Goodman NL, et al.
Am Rev Resp Dis 104:258-60, Aug 71
Incidence of positive skin tests among medical students. Whitcomb N. Ann Allergy 29:67-70, Feb 71
The tularemia skin test. 325 skin tests in 210 persons: serologic correlation and review of the literature. Buchanan TM, et al. Ann Intern Med 74:336-43, Mar 71
Comparative study of 14C-labeled purified protein derivative from various mycobacteria. II. Skin cross-reactivity in sensitized guinea pigs. Landi S, et al. Appl Microbiol 20:704-9, Nov 70
The usefulness of immediate skin tests to haptenes derived from penicillin. A study in patients with a history of previous adverse reactions to penicillin. Fellner MJ, et al. Arch Dermatol 103:371-4, Apr 71
IgE in atopic dermatitis. Ogawa M, et al.
Arch Dermatol 103:575-80, Jun 71
Neomycin sensitivity in the normal (nonatopic) individual. Patrick J, et al.
Arch Dermatol 102:532-5, Nov 70
False negative immediate photopatch test to tribromsalan. Shelmire D.
Arch Dermatol 103:223-4, Feb 71
Patch test reactions to merthiolate in healthy young subjects. Hansson H, et al.
Br J Dermatol 83:349-56, Sep 70
LE cells in biopsies of positive deoxyribonucleic acid skin tests. Ores RO, et al.
Br J Dermatol 84:217-22, Mar 71
Prick-tests and serological tests in the diagnosis of allergic reactivity to enzymes used in washing products. How MJ, et al. Br J Ind Med 28:303-7, Jul 71
Penicilloyl-polylysine intradermal testing for penicillin hypersensitivity. Lentz JW, et al.
Br J Vener Dis 46:457-60, Dec 70
Kveim test. Gilroy J. Br Med J 3:389, 7 Aug 71
The Kveim test. Br Med J 2:604, 12 Jun 71
The patch test in contact dermatitis. Miller-Cranko JA.
Cent Afr J Med 17:84-5, Apr 71
A study of Prausnitz-Küstner reaction in leprosy. Mittal MM, et al. Clin Exp Immunol 8:657-61, Apr 71
The effect of a standardized 'skin insult' on transepidermal water loss from clinically resolved dermatitic skin. Raffle EJ, et al.
Dermatologica 141:208-14, 1970
Clinical analysis of 62 allergic rhinitis cases. Payzin S, et al. Eye Ear Nose Throat Mon 49:225-9, May 70
Enhancement of rabbit homologous skin sensitization by chemical modification of anti-DNP antibody. Pinto M, et al. Immunology 19:481-90, Sep 70
Histoplasmin skin-testing survey in and around Delhi. Sawhney BB, et al. Indian J Chest Dis 9:192-5, Oct 67
Tissue testing of polymers. Guess WL.
Int Anesthesiol Clin 8:787-804, Winter 70
IgE levels and allergic skin reactions in cancer and non-cancer patients. Augustin R, et al.
Int Arch Allergy Appl Immunol 41:141-3, 1971
The heterogeneity of allergen-antibody systems related to ragweed allergy in man. Kisil FT, et al.
J Allergy 47:1-16, Jan 71
Impaired delayed hypersensitivity in patients with South American blastomycosis. Mendes E, et al.
J Allergy 47:17-22, Jan 71
Development of IgE in newborn human infants. Stevenson DD, et al.
J Allergy Clin Immunol 48:61-72, Aug 71
Differing patterns of wheal and flare skin reactivity in patients allergic to the penicillins. Van Dellen RG, et al. J Allergy 47:230-6, Apr 71
Value of cutaneous sensitivity in predicting systemic allergic manifestations to administration of iodised contrast media. Sethi JP, et al.
J Assoc Physicians India 19:39-42, Jan 71
Anthrax. Biological and immunological principles of diagnosis and prevention. 4. The dynamics and intensity of skin tests with anthraxin in guinea pigs inoculated with a STI vaccine. Shlyakhov EN.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:464-8, 1970
Human immunologic response to soluble antigens. I. Hypersensitivity induced by a hapten-altered native protein. Brandriss MW, et al.
J Immunol 105:1416-26, Dec 70
Comparison of lymphocyte transformation, inhibition of macrophage migration and skin tests using dialyzable and nondialyzable tuberculin fractions from Mycobacterium bovis (BCG). Chaparas SD, et al.
J Immunol 107:149-53, Jul 71
Toxicity of streptococcal mucopeptides in vivo and in vitro. Heymer B, et al. J Immunol 106:858-61, Mar 71
Transfer of the delayed hypersensitivity skin reaction in the guinea pig using RNA-treated lymphoid cells. Jureziz RE, et al. J Immunol 105:1313-21, Dec 70
The fungal skin test as a diagnostic hindrance. Levin S.
J Infect Dis 122:343-5, Oct 70
Skin reactivity to mycobacterial antigens in leprosy patients. Bovornkitti S, et al.
J Med Assoc Thai 53:338-44, May 70
A study of two immunological tests in the diagnosis and prognosis of hydatid disease. Bradstreet CM.
J Med Microbiol 2:419-33, 4 Nov 69
Skin reaction specificity of guinea pig immediate hypersensivity to bites of four mosquito species. French FE, et al. J Parasitol 57:396-400, Apr 71
Normal cutaneous sensitivity to endotoxin in azotemia. Fink S, et al. J Urol 104:640-1, Nov 70
Autologous-plasma sensitisation in Behcet's disease. Cooper D, et al. Lancet 1:910, 1 May 71
Skin allergy to synthetic corticotrophins. Forssman O, et al. Lancet 1:1024, 15 May 71
Brucellin skin-testing. Henderson RJ.
Lancet 1:548-9, 13 Mar 71
Coeliac disease and diffuse lung disease. Karlish AJ.
Lancet 1:1077, 22 May 71
Kveim test in Crohn's disease. Karlish AJ, et al.
Lancet 2:977-8, 7 Nov 70
Is the Kveim test safe? Mitchell DN, et al.
Lancet 1:907, 1 May 71
Is there Kveim responsiveness in Crohn's disease? Siltzbach LE, et al. Lancet 2:834-6, 18 Sep 71
Is the Kveim test safe? Weller K. Lancet 1:232, 30 Jan 71
Atypical mycobacterium. Diagnosis and management of disease in children and of healthy children with positive skin-test reactions. Margileth AM.
Med Ann DC 39:505-9, Sep 70
Sensitivity to tuberculin, PPD-B and histoplasmin in the population of Sabah in East Malaysia. Roy RN.
Med J Aust 1:317-21, 6 Feb 71
Routine use of penicillin skin testing on an inpatient service. Adkinson NF Jr, et al.
N Engl J Med 285:22-4, 1 Jul 71
Abnormal intradermal histamine reaction in the syndrome of pheochromocytoma, medullary carcinoma of the thyroid gland and multiple mucosal neuromas. Baum JL. N Engl J Med 284:963-4, 29 Apr 71
Skin test for medullary thyroid carcinoma. Gorlin RJ.
N Engl J Med 284:963-4, 29 Apr 71
The Kveim test. Hirsch JG, et al.
N Engl J Med 284:1326-8, 10 Jun 71
Relation of kveim-antigen reaction to lymphadenopathy. Study of sarcoidosis and other diseases. Israel HL, et al.
N Engl J Med 284:345-9, 18 Feb 71
Skin reactivity in patients with cancer. Impaired delayed hypersensitivity or faulty inflammatory response? Johnson MW, et al.
N Engl J Med 284:1255-7, 3 Jun 71
The kveim test. Thomas L.
N Engl J Med 284:388-9, 18 Feb 71
Diagnosis of allergy. Positive value of negative skin test result. Brown EB, et al.
NY State J Med 71:845-7, 15 Apr 71
Investigations on modern methods of detection of drug allergy. Moskalewska K, et al.
Pol Med J 10:495-501, 1971
The Kveim test in sarcoidosis. Mikhail JR, et al.
Postgrad Med J 46:484-5, Aug 70
The Kveim test in Crohn's disease. Mitchell DN, et al.
Postgrad Med J 46:491-5, Aug 70
The Kveim test in leprosy. Rees RJ.
Postgrad Med J 46:486-90, Aug 70
The Kveim test in Crohn's disease. Mitchell DN.
Proc R Soc Med 64:164-6, Feb 71
Standardization of coccidioidin by bioassay in guinea pigs. Sutton A, et al.
Proc Soc Exp Biol Med 136:257-9, Jan 71
Granulomatous hepatitis of obscure aetiology. Diagnostic contribution of Kveim testing and anti-tuberculous therapy. Fitzgerald MX, et al.
Q J Med 40:371-83, Jul 71
How dependable are skin tests? Brown EA.
Rev Allergy 24:863-5, Oct 70
Delayed cutaneous hypersensitivity to dinitrochlorobenzene as a method of quantitating immunosuppressive therapy for organ transplantation. Joseph WL, et al.
Surgery 69:847-53, Jun 71
Skin-fixing antibodies and neurological disorders. Ansari KA. Trans Am Neurol Assoc 95:198-200, 1970
Histoplasmin tests in Ugandan sawmill workers. Bezjak V. Trop Geogr Med 23:71-8, Mar 71
[The value of specific methods of diagnosing allergic diseases of the respiratory tract] Ado AD, et al.
Zh Eksp Klin Med 7:51-5, 1967 (Arm)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Routine epicutaneous tests] Jirásek L, et al.
Cesk Dermatol 45:257-62, Dec 70 (Cze)
[Immunofluorescent examination of the skin of patients with erythematodes] Vlašín Z, et al.
Cesk Dermatol 46:102-8, Jun 71 (Cze)
[Latent toxoplasmosis-diagnostic value of focal reaction of toxoplasmin skin test and its diagnostic interpretation] Vojta M.
Cesk Gynekol 36:257-9, Jun 71 (Cze)
[Kveim reactions with a suspension of cow's spleen; similarity to reactions in tissue transplants (homograft reactions)] Kooij R.
Ned Tijdschr Geneeskd 114:1800-1, 24 Oct 70 (Dut)
[Apropos of a case of chronic beryllium intoxication: pathogenic considerations and the diagnostic value of so-called patch-tests] Groetenbriel C, et al.
Acta Tuberc Pneumol Belg 61:363-76, May-Aug 70 (Fre)
[Research on immunologic manifestations of sarcoidosis] Turiaf J, et al.
Ann Med Interne (Paris) 121:117-34, Feb 70 (Fre)
[Apropos of some new aspects in immunodermatology] Cormane RH.
Arch Belg Dermatol Syphiligr 25:287-97, 1969 (Fre)
[Attempt to induce lymphoblastic transformation of lymphocytes in 29 lepers by phytohemagglutinin and by ground murine leproma suspension] Merklen FP, et al.
Arch Belg Dermatol Syphiligr 26:421-33, Jul-Sep 70 (Fre)
[Skin reaction to leukocytes in cases of active chronic hepatitis] Lebacq E, et al.
Arch Fr Mal App Dig 59:601-8, Sep 70 (Fre)
[Resistance to alkalines and its application to prevention in occupational medicine] Foussereau J, et al. Arch Mal Prof 31:551-6, Oct-Nov 70 (Fre)
[Contact eczema due to cousling. Value of the primin test] Foussereau J, et al.
Bull Soc Fr Dermatol Syphiligr 76:458-61, 1969 (Fre)
[Intradermal reactions of Reilly and Frei] Lèques B, et al. Bull Soc Fr Dermatol Syphiligr 76:256-8, 1969 (Fre)
[Study of the cutaneous hypersensitivity reaction (I.D.R.) during experimental Angiostrongylus cantonensis and Angiostrongylus vasorum infections] Guilhon J, et al.
Bull Soc Pathol Exot 63:367-76, May-Jun 70 (Fre)
[Allergologic study by intradermal tests in respiratory allergy. Apropos of 1,000 cases] Crinquette J, et al.
J Sci Med Lille 89:139-53, Apr 71 (Fre)
[Exploration of delayed cutaneous hypersensitivity to candidine in newborn and young infants] Carron R, et al. Pediatrie 26:259-64, Apr-May 71 (Fre)
[Current state of the significance of the window test in various allergenic systems] Dikeakou T, et al.
Rev Fr Allergol 10:117-24, Apr-Jun 70 (Fre)
[ontribution o the cytochemical study of epicutaneous allergic reactions] Grosshans E, et al.
Rev Fr Allergol 9:157-67, Jul-Sep 69 (Fre)
[Value of combined aluminum hydroxide and allergenic extracts in desensitizing treatments. I. The phenomenon of the skin reaction at a distance from the allergen injection site, induced by aluminum hydroxide] Guibert L, et al.
Rev Fr Allergol 11:123-8, Apr-Jun 71 (Fre)
[Comparison of skin tests and provocative tests in 200 asthmatics] Maier A, et al.
Rev Fr Allergol 10:221-32, Jul-Sep 70 (Fre)
[Intradermoreactions M. xenopei sensitivity in 20 persons] Teyssier L, et al.
Rev Tuberc Pneumol (Paris) 34:627-8, Jul-Aug 70 (Fre)
[Diagnosis of contact dermatitis by skin tests] Paschoud JM. Ther Umsch 27:496-501, Aug 70 (Fre)
[Comparative study between the tine test and intradermal reaction to histoplasmosis in 88 cases of proven histoplasmosis] Lorange G, et al.
Union Med Can 97:1270-4, Sep 68 (Fre)
[Studies on humoral and cellular immunity in leukemia and myelofibrosis] Patakfalvi A, et al.
Acta Med Acad Sci Hung 27:307-19, 1970 (Ger)
[Electrophoretic introduction of allergens into the skin. (Allergenophoresis)] Chlebarov S.
Allerg Asthma (Leipz) 15:271-6, 1969 (Ger)
[Immunofluorescence studies in toxic and allergic skin tests] Heise H, et al.
Allerg Asthma (Leipz) 15:305-11, 1969 (Ger)
[Diagnosis of allergy and desensitization in bronchial asthma in childhood] Bohlmann HG.
Arch Kinderheilkd 181:1-11, May 70 (Ger)
[Quantitative determination of epidermoplastic reactions by serial projection-histoplanimetry] Weirich EG.
Arch Klin Exp Dermatol 239:79-95, 1970 (Ger)
[Control of the SPF status of experimental animals. Skin test for excluding leptospira infections] Juhr NC, et al.
Berl Munch Tieraerztl Wochenschr 84:8-11, 1 Jan 71 (Ger)
[Rebuck's test for the diagnosis of allergic dermatoses] Tronnier H, et al.
Berufsdermatosen 18:337-42, Dec 70 (Ger)
[Incidence of skin affecting lesions in contact dermatitis] Wozniak KD, et al.
Berufsdermatosen 19:145-52, Jun 71 (Ger)
[Results of a simplified alkali neutralization tests] Flegel H, et al.
Dermatol Monatsschr 156:9-15, 1970 (Ger)
[Importance of dopa-reaction for the prognosis of a climatic therapy in endogenous eczema] Harnack K, et al. Dermatol Monatsschr 156:606-14, 1970 (Ger)
[Studies on the skin sensitization capacity of some isothiocyanates and 5-nitrothiophen derivatives in guinea pigs] Weuffen W, et al.
Dermatol Monatsschr 156:585-92, 1970 (Ger)
[Lepromin test in an area without endemic leprosy] Hinden-Lenzlinger M.
Dermatologica 140:Suppl 2:35-45, 1970 (Ger)
[The importance of mites as asthma allergens] Rufli T.
Dermatologica 140:Suppl 2:45-64, 1970 (Ger)
[Milk and egg-albumin energy: skin tests with crude extracts and with hydrolysates. (Preliminary communication)] Wüthrich B, et al.
Dermatologica 141:102-12, 1970 (Ger)
[Is the intracutaneous vaccinia test specific?] Bodtländer D, et al.
Dtsch Med Wochenschr 96:820-3 passim, 7 May 71 (Ger)
[The intradermal vaccinia test is specific] Ehrengut W.
Dtsch Med Wochenschr 96:1082-3, 11 Jun 71 (Ger)
[Skin tests in penicillin allergy] Hellenbroich H, et al.
Hautarzt 22:18-24, Jan 71 (Ger)
[Studies with the osmium sebum test. Technic of the osmium sebum test. Sebum spreading on the skin. Sebum test on the back and thigh in patients with and without acne. Sebum test during the cycle] Jadassohn W, et al. Hautarzt 22:347-50, Aug 71 (Ger)
[Intracutaneous test in vaccine allergy] Raue W, et al.
Kinderaerztl Prax 38:369-73, Aug 70 (Ger)
[Results of prick tests using standard inhalation allergens in children] Chlebarov S, et al.
Monatsschr Kinderheilkd 117:671-5, Dec 69 (Ger)
[Results of histoplasmin testing in Berlin's general and tuberculosis hospitals] Schmidt-Burbach B.
Mykosen 12:297-308, 1 May 69 (Ger)
[Variations in the reactivity of the skin and bronchial mucosa against antigen extracts at various ages] Debelic M, et al.
Respiration 27:Suppl:178-82, 1970 (Ger)
[Histopathologic picture of allergic contact and alkaline toxic eczema] Bandmann HJ.
Ther Umsch 27:488-95, Aug 70 (Ger)
[Simultaneous testing with tuberculin and Kansasii-sensitin in employees of the chemical industry around Halle-S] Hansmann E.
Z Erkr Atmungsorgane 134:235-41, 1971 (Ger)
[Evaluation of current test procedure (BCG test)] Mydlak G.
Z Erkr Atmungsorgane 133:92-8, Dec 70 (Ger)
[Our experiences with immunologic studies in thyroid diseases] Bratkowska-Seniów B, et al.
Z Gesamte Inn Med 24:Suppl:106-7, 1 Jan 69 (Ger)
[Rubbing test and its application in the dermatologic practice] Soyinka F.
Z Haut Geschlechtskr 44:915-23, 1 Nov 69 (Ger)
[Brucella allergen in human diagnostic use] Markos G, et al. Orv Hetil 111:2544-7, 25 Oct 70 (Hun)
[Clinical value of the skin test for brucellosis] Orv Hetil 112:530-1, 28 Feb 71 (Hun)
[Allergic and orthoallergic characterization of the patch-test by the new toluidine blue tape-stripping cytologic method] Berardi P, et al.
Arch Ital Dermatol Venereol Sessuol 36:179-206, 1970 (Ita)
[Antistreptokinase titer, cutaneous reaction and blastic transformation of lymphocytes by streptokinase at various ages] Biscatti G, et al.
Boll Soc Ital Biol Sper 45:1237-9, 15 Oct 69 (Ita)
[The central nervous system and skin reactivity: results of an experimental investigation] Carlizza L, et al. Boll Soc Ital Biol Sper 45:747-9, 15 Jun 69 (Ita)
[Histamine releasing effect of various curare-like agents. Intracutaneous wheal test] Mangiameli S, et al. Clin Otorinolaringoiatr 21:471-7, Nov-Dec 69 (Ita)
[Behavior in time of the specific skin reaction of the immediate type in subjects with allergic respiratory diseases caused by inhalants] Noferi A, et al.
Folia Allergol (Roma) 16:229-33, May-Jun 69 (Ita)
[Specific skin reaction of an immediate type in patients with allergic syndromes caused by inhalants after prolonged specific desensitization] Noferi A, et al.
Folia Allergol (Roma) 16:498-503, Sep-Oct 69 (Ita)
[Study of the in vivo and in vitro immunological responses to heterologous thyroglobulin] Romagnani S, et al.
Folia Allergol (Roma) 16:449-60, Sep-Oct 69 (Ita)
[Our observations on intradermal tests with autologous platelets] Argenziano G, et al.
G Ital Dermatol 44:517-21, Oct 69 (Ita)
[Cellular immunity and clinico-histological stage in Hodgkin's disease] Fabris C, et al.
Minerva Pediatr 23:190-3, 4 Feb 71 (Ita)
[Serological classification of C. diphtheriae and other related Corynebacterium and experimental allergic reaction by diphtheria toxoid] Tajima M.
J Jap Assoc Infect Dis 44:320-30, Sep 70 (Jap)
[Evaluation of autologous leucocyte skin test and homologous leucocyte skin test in cancer patients. Comparison with skin test in the other diseases] Tsuda T.
J Kumamoto Med Soc 44:875-91, 25 Aug 70 (Jap)
[Results on the Matsubar's reaction test] Matsubara M, et al. Jap J Cancer Clin 16:1191-4, 1970 (Jap)
[Effect of Metastrongylus extracts with oil adjuvant on antibody production and local reactions in guinea pigs] Goto N, et al.
Med Biol (Tokyo) 81:103-8, 10 Sep 70 (Jap)
[Allergic skin reactions to topical anesthetics in patients with bronchial asthma] Gruszecka M, et al.
Czas Stomatol 24:481-4, May 71 (Pol)
[Serological and skin tests with Candida albicans antigens in patients with bronchial asthma] Adamek T, et al. Med Dosw Mikrobiol 22:379-85, 1970 (Pol)
[Diagnostic value of the Kveim test on the basis of observations on the mediastino-nodal type of sarcoidosis] Kanabus I, et al.
Pediatr Pol 45:1367-71, Nov 70 (Pol)
[Studies of skin allergy tests in patients with ornithosis and in persons from their surroundings] Koba S, et al.
Pol Tyg Lek 26:121-3, 25 Jan 71 (Pol)
[Scarification and point test in the detection of allergy to various antibiotics] Bowszyc J, et al.
Przegl Dermatol 57:609-14, Sep-Oct 70 (Pol)
[Sensitizing properties of saprophytic staphylococci] Wyszomirska Z, et al.
Przegl Dermatol 58:29-35, Jan-Feb 71 (Pol)
[Reactors to paracoccidioidine in rural areas with fixed ecological disposition] Machado O, et al.
Hospital (Rio de J) 77:1951-7, Jun 70 (Por)
[Value of the Kveim test in the diagnosis of sarcoidosis] Centea A, et al.
Med Interna (Bucur) 23:357-64, Mar 71 (Rum)
[Study of post-streptococcal hypersensitivity by means of the streptolysin O skin test in the framework of complex epidemiologic investigations] Mihaicu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:493-504, Nov-Dec 70 (Rum)
[Binding of dinitrochlorbenzene with skin proteins and use of conjugates for serological diagnosis of contact allergy] Barlogova SG, et al.
Biull Eksp Biol Med 70:121-3, Oct 70 (Rus)
[The diagnostic value of Tsuverkalov's allergen (dysenterin) in the diagnosis of dysentery] Malorodov IP. Klin Med (Mosk) 49:92-7, Mar 71 (Rus)
[The high specificity of leishmanin] Sergiev VP.
Med Parazitol (Mosk) 39:676-8, Nov-Dec 70 (Rus)
[The state of various factors of natural immunity in chronic conjunctivitis patients] Semenov DN, et al.
Oftalmol Zh 25:611-3, 1970 (Rus)
[Comparative characteristics of different methods of studying the immunologic structure of a population in endemic foci of Asian tick-borne rickettsiosis] Shafman MS, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:93-9, 1970 (Rus)
[Some data on the chemical nature of lepromin used in clinical practice] Khasabov LM, et al.
Vestn Dermatol Venerol 44:60-4, Aug 70 (Rus)
[Autoleukocyte test in the diagosis of professional dermatoses] Zenin BA, et al.
Vestn Dermatol Venerol 44:36-9, Nov 70 (Rus)
[Evaluation of intradermal diagnostic tests] Nazarov VV. Vestn Oftalmol 2:58-9, 1971 (Rus)
[Biotest on cats in contagious ecthyma in sheep] Grishaev NE, et al. Veterinariia 10:112-3, Oct 70 (Rus)
[Allergic reaction in brucellosis in mink] Lupanov MT.
Veterinariia 11:62-3, Nov 70 (Rus)
[Cutaneous immunologic reactions in lung cancer patients] Averkieva MN, et al.
Vopr Onkol 16:20-4, 1970 (Rus)
[Study of allergic skin reactions to DNA and extract of homologous myocardium in patients with rheumatism] Zborovskii AB, et al.
Vopr Revm 10:16-24, Aug-Sep 70 (Rus)
[The epidemiologic value of the skin test with dysenterin. II. The importance of the skin test in detecting forme fruste of dysentery during an outbreak of the infection among the population] Belan EN.
Zh Mikrobiol Epidemiol Immunobiol 46:47-51, Oct 69 (Rus)
[Epidemiologic significance of the skin-allergic test with dysenterin. 3. Significance of the skin-allergic test in complex preventive examinations of workers in food establishments] Belan EN.
Zh Mikrobiol Epidemiol Immunobiol 47:47-53, Apr 70 (Rus)
[Some characteristics of sero-allergic tests for tularemia] Dunaeva TN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:12-6, Apr 71 (Rus)
[The diagnostic value of the intradermal allergic test in listeriosis] Egorova AP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:63-7, Feb 70 (Rus)
[Immuno-allergic diagnosis of human anthrax using anthraxin] Shliakhov EN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:79-83, Jun 70 (Rus)
[Skin reactions to individual chemical fractions of corpuscular staphylococcal antigen in ENT diseases of an infectious-allergic nature and in healthy persons]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Tsmokaliuk II.
Zh Ushn Nos Gori Bolezn 30:65-70, May-Jun 70 (Rus)
[Study ofn leprosy immunity] Salazar Mallén M, et al.
Alergia 18:185-91, May 71 (Spa)
[Specificity and sensitivity of the toxoplasmin intradermoreaction] Apt W, et al.
Bol Chil Parasitol 25:37-41, Jan-Jun 70 (Spa)
[Intradermal reaction in brucellosis] Gastearena Erice J, et al. Rev Clin Esp 115:111-4, 31 Oct 69 (Spa)
[Comparative evaluation of polysaccharide and cellular antigens of Sporothrix schenckii] González Ochoa A, et al.
Rev Invest Salud Publica 30:303-15, Oct-Dec 70 (Spa)
[Sporotrichosis in patients with previous positive sporotrichin reaction] Velasco O, et al.
Rev Invest Salud Publica 31:53-5, Jan-Mar 71 (Spa)
[Histamine scarification test as an indicator of the general reactivity in small children with respiratory viral-bacterial infections] Radchenko NO.
Pediatr Akush Ginekol 4:18-20, Jul-Aug 68 (Ukr)

INSTRUMENTATION

[Non-adhesive technics of skin application tests] Karagezian MA.
Vestn Dermatol Venerol 43:46-8, Aug 69 (Rus)
[A modification of the tube type application skin test] Leonov VA.
Vestn Dermatol Venerol 44:79-81, Jul 70 (Rus)

STANDARDS

Skin-test diagnosis of brucellosis. Darlow HM, et al.
Lancet 1:237-8, 30 Jan 71
[Experience in testing the trial reagents for routine patch tests] Minami K.
Acta Dermatol (Kyoto) 65:83-94, Aug 70 (Jap)
[The specificity of the intradermal test with the Tsuverkalov allergen (dysenterin)] Malorodov IP.
Zh Mikrobiol Epidemiol Immunobiol 47:72-5, Feb 70 (Rus)

VETERINARY

Intradermal tests as an aid to the diagnosis of skin disease in dogs. Baker KP.
J Small Anim Pract 12:445-52, 8 Aug 71
[Allergologic diagnosis of trichinosis in swine] Bessonov AS. Veterinariia 11:31-2, Nov 70 (Rus)
[Testing brucellin VIEV on pigs] Borisov EM, et al.
Veterinariia 6:51-2, Jun 70 (Rus)
[Allergologic diagnosis of brucellosis in swine] Kas'ianov AN. Veterinariia 11:72-4, Nov 70 (Rus)

SKIN TUBERCULOSIS see TUBERCULOSIS, CUTANEOUS (C1, C12)

SKIN ULCER (C12)

Ulcerative dermal necrosis (UDN) of salmon: description, aetiology and differential diagnosis. Carbery JI. Bull Off Int Epizoot 69:1401-10, Sep-Oct 68
Ulcerated lupus erythematosus. el-Zawahry M.
Indian J Dermatol 16:15-6, Oct 70
[Pyoderma gangrenosum] Bast C, et al.
Arch Belg Dermatol Syphiligr 25:111-20, Jan-Mar 69 (Fre)
[Cutis marmorata telangiectica] Bernard R, et al.
Pediatrie 26:415-20, Jun 71 (Fre)
[Ulcerous dermatitis of the axillary and genitoanal region with polyarthritis and a temporary IgM deficiency] Buchholz W.
Z Haut Geschlechtskr 44:995-1004, 15 Dec 69 (Ger)

CHEMICALLY INDUCED

[Geometric phagedenism] Bombart, et al.
Bull Soc Fr Dermatol Syphiligr 77:360-2, 1970 (Ger)

COMPLICATIONS

Pyoderma gangrenosum with a monoclonal IgM red cell agglomerating factor. Cream JJ.
Br J Dermatol 84:223-6, Mar 71
[Torpid skin wounds and collagen metabolism disorder] Lapiere CM, et al.
Arch Belg Dermatol Syphiligr 25:353-6, 1969 (Fre)
[Geometric phagedena and hemorrhagic rectocolitis (1st case)] Huriez C, et al.
Bull Soc Fr Dermatol Syphiligr 76:335-6, 1969 (Fre)
[Geometric phagedena and hemorrhagic recto-colitis (2nd case)] Huriez C, et al.
Bull Soc Fr Dermatol Syphiligr 76:337, 1969 (Fre)
[Cancer on the background of cicatricial ulcers] Kadyrov FA, et al. Klin Khir 345:129-30, Sep 69 (Rus)

CONGENITAL

Cutis marmorata telangiectatica congenita or congenital generalized phlebectasia. Fitzsimmons JS, et al. Arch Dis Child 45:724-6, Oct 70

DIAGNOSIS

Chronic progressive ulcerative dermatitis. Shatin H.
Arch Dermatol 103:685-7, Jun 71
[Dyslipoidosis in a child with unusual aspect and diffusion of the elements] Dugois P, et al.
Bull Soc Fr Dermatol Syphiligr 77:486-7, 1970 (Fre)

DRUG THERAPY

Isoniazid-responsive purulent ulcerations. Potter B, et al. Arch Belg Dermatol Syphiligr 25:407-15, Oct-Dec 69
[Azathioprine treatment of ulcerative dermatitis (pyoderma gangrenosum)] Schöpf E, et al.
Hautarzt 20:558-63, Dec 69 (Ger)
[Clinical observations on the use of F.I. 6321 on reparative processes of cutaneous lesions] Stoppani L, et al. Ann Ital Chir 45:321-33, 1969 (Ita)
[Use of hydroxychloroquine sulfate in the supportive therapy of ulcerative necrotic diaglobulinemic angiodermatitis] Bonelli U.
Arch Ital Dermatol Venereol Sessuol 36:271-5, 1969 (Ita)
[On the treatment of losses of continuity of the skin with 4-chlorotestosterone acetate and neomycin sulfate] Barberis ML, et al.
Minerva Med 61:5241-6, 17 Nov 70 (Ita)
[6 cases of necrotic radiation-induced skin ulcer treated with local application of adrenochromosemicarbazone sulfonic ester (EMEX)] Salati O, et al.
Radiobiol Radioter Fis Med 24:258-76, Jul-Aug 69 (Ita)

ETIOLOGY

Concurrence of bullous and atrophic skin lesions in diabetes mellitus. Kurwa A, et al.
Arch Dermatol 103:670-5, Jun 71
Trophoneuropathic bone changes versus osteomyelitis in diabetes mellitus. Steinberg G.
Geriatrics 26:111-6, Mar 71
Phagedaenic tuberculous ulcers of the upper arm: report of three cases. Oiurin EO, et al.
Int J Dermatol 9:283-9, Oct-Dec 70
Gummatous sporotrichosis. Urabe H, et al.
Int J Dermatol 9:301-3, Oct-Dec 70
Spina bifida occulta causing plantar ulceration. Chaudhury DS. Lepr Rev 41:236-7, Oct 70
[Cutaneous ulcers of the scalp during Horton's disease] Bourgeois-Spinasse J, et al.
Bull Soc Fr Dermatol Syphiligr 77:804-8, 1970 (Fre)
[Malignant ulcero-necrotic cutaneous reticulosis] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:326-7, 1969 (Fre)
[Minimal necrotic ulcerations of the toes revealing juvenile arteritis] Bureau Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:716-7, 1969 (Fre)
[Mycobacterium ulcerans infection. Symptoms, differential diagnostic and treatment] Pettit JH.
Bull Soc Fr Dermatol Syphiligr 77:696-9, 1970 (Fre)
[Recurrent winter cutaneous ulceration with cryofibrinogen] Thiers H, et al.
Lyon Med 222:705-6, 26 Oct 69 (Fre)
[Anthrax infection in the facial area--case report] Obermeyer P, et al.
Z Haut Geschlechtskr 46:307-11, 1 May 71 (Ger)
[Trichomonad ulcers of the penis] Levin MM, et al.
Vestn Dermatol Venerol 44:82-4, Aug 70 (Rus)
[Trichomonas ulcers of the penis] Lopatin AI.
Vestn Dermatol Venerol 44:78-9, Mar 70 (Rus)
[Surgical tactic in the treatment of burn ulcers] Kallistov BM. Vestn Khir 104:85-7, Mar 70 (Rus)
[Necrosing livedo reticularis] Arruda S.
Angiologia 23:93-102, May-Jun 71 (Spa)
[Atypical or anomalous secondary syphilis (malignant syphilis?)] Cordero AA, et al.
Prensa Med Argent 57:1957-61, 25 Dec 70 (Spa)
[Pyoderma gangrenosum in ulcerative colitis] Jara Albarrán R, et al.
Rev Clin Esp 115:59-60, 15 Oct 69 (Spa)

IMMUNOLOGY

[Dermatitis ulcerosa and IgA-deficiency] Brehm G, et al. Arch Klin Exp Dermatol 239:266-74, 1970 (Ger)

MICROBIOLOGY

[Multiple soft chancres of the free border of the prepuce in a Portuguese with Ducrey's bacilli (found again in auto-inoculation)] Buzacoux J, et al.
Bull Soc Fr Dermatol Syphiligr 76:159-60, 1969 (Fre)

PATHOLOGY

Chronic arthritis, vasculitis and cutaneous histoplasmosis. Postgrad Med 49:226-30, Feb 71
[State of fibrous structures in chronic radiation ulcers of the skin] Kostiukovskiĭ IM, et al.
Med Radiol (Mosk) 15:43-9, Jul 70 (Rus)

PREVENTION & CONTROL

Studies on the synergistic action and anti-ulcerous activity of cortisone-GABOB. Nagai K, et al.
Arzneim Forsch 21:96-7, Jan 71

SURGERY

[Surgical tactic in the treatment of burn ulcers] Kallistov BM. Vestn Khir 104:85-7, Mar 70 (Rus)

THERAPY

Low pressure hyperbaric oxygen treatment of decubiti and skin ulcers. Fischer BH.
Proc Annu Clin Spinal Cord Inj Conf 15:97-107, 7 Nov 66
[Some cytological characteristics of the exudate of wounds, burns, and ulcerous surfaces following contact with freshly deoxidized aluminum foil of a high degree of purity] Evenshtein ZM.
Vestn Khir 106:123-4, Mar 71 (Rus)

VETERINARY

New laboratory. Nature (Lond) 229:445, 12 Feb 71

SKIN WINDOW TECHNIC (E5)

Cellular evolution in the skin-window test with a specific antigen. Dikeakou T, et al.
Acta Allergol (Kbh) 25:347-59, Dec 70
The vacuolisation of eosinophils and its significance in the skin-window test. Dikeakou T, et al.
Acta Allergol (Kbh) 25:341-6, Dec 70
Critical study of the specificity of the skin-window test in allergy. Dikeakou T, et al.
Acta Allergol (Kbh) 25:332-40, Dec 70
Skin window studies of the acute inflammatory responses of neutropenic patients. Dale DC, et al.
Blood 38:138-42, Aug 71
The mycosis fungoides cell: the skin window in mycosis fungoides. Vesper LJ, et al.
Br J Dermatol 84:54-65, Jan 71
Human breast carcinoma. 3. Cellular responses to autologous breast cancer: skin-window procedure. Leis HP Jr, et al. NY State J Med 70:2583-9, 15 Oct 70
[Cytological studies of local unspecific inflammation using Rebuck's skin window technic] Kranz D, et al.
Folia Haematol (Leipz) 94:241-54, 1970 (Ger)
[Quantitative-qualitative studies of a local inflammation] Jorke D, et al.
Z Gesamte Inn Med 26:96-102, 1 Feb 71 (Ger)
[Study of mobilization of blood cells into tissue during the remission period in children with acute leukosis using the skin window method] Kurmashov VI.
Pediatriia 49:31-5, Jul 70 (Rus)
[Phenomenon of local eosinophilia] Kupchinskas IuK, et al. Ter Arkh 42:29-32, Jun 70 (Rus)
[Study of allergic reactions to drugs by the skin window technic: advances with our experience] Domínguez Lázaro AR, et al.
Rev Clin Esp 121:75-80, 15 Apr 71 (Spa)

SKIODAN see METHIODAL (D13)

SKULL (A2)

see also related
INTRACRANIAL PRESSURE (G1)
TREPHINING (E4)

Regeneration of cranial bones after implantation of conserved homologous bone shavings. Kantorova VI, et al. Acta Chir Plast (Praha) 13:33-46, 1971
Team cooperation in skull investigation. Cerny M, et al.
Acta Med Leg Soc (Liege) 20:225-7, Jul-Dec 67
Cephalhematoma infected with Bacteroides. Lee Y, et al. Am J Dis Child 121:77-8, Jan 71
Cephalofacial deformities in thalassemia major (Cooley's anemia). A correlative study among 138 cases. Logothetis J, et al.
Am J Dis Child 121:300-6, Apr 71
Skull immobilizer and positioner. Pochaczevsky R, et al.
Am J Roentgenol Radium Ther Nucl Med 112:408-10, Jun 71
A case of a bone cyst of the skull, overlying a small dural tear. Go KG. Arch Chir Neerl 22:183-7, 1970
Congenital subgaleal cysts over the anterior fontanelle in Nigerians. Adeloye A, et al.
Arch Dis Child 46:95-8, Feb 71
A comparison of the growth of various microorganisms in air spaces of the turkey head. Olson LD.
Avian Dis 14:676-82, Nov 70
Tuberculous osteitis of the skull. Miles J, et al.
Br J Surg 57:673-9, Sep 70
Extradural haematoma of the posterior fossa. Report of three cases with review of the literature. Abeysuriya SC. Ceylon Med J 15:104-9, Jun 70
The acoustic properties of human skull bone. Martin B, et al. J Biomed Mater Res 5:325-33, Jul 71
Posterior fossa subdural haematoma associated with anticoagulant therapy. Capistrant T, et al.
J Neurol Neurosurg Psychiatry 34:82-5, Feb 71
Posterior fossa subdural hematoma of the newborn.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Case report. Carter LP, et al.
J Neurosurg 34:423-6, Mar 71
Leptomeningeal cyst of the posterior fossa. Case report. Dunkser SB, et al.
J Neurosurg 34:687-92, May 71
Trigeminal neuralgia due to cholesteatoma of Meckel's cave. Case report. Mehta DS, et al.
J Neurosurg 34:572-4, Apr 71
Double lucid interval in patients with extradural hematoma of the posterior fossa. Parkinson D, et al.
J Neurosurg 34:534-6, Apr 71
A radiographic grid for contouring cranial prostheses. Firtell DN, et al. J Prosthet Dent 25:439-45, Apr 71
An aid for insertion of the Crutchfield skull tongs. Gonski A. Med J Aust 2:1137-8, 12 Dec 70
The uminschodent skull holder. Beck JO Jr.
Oral Surg 32:318-23, Aug 71
Static compression testing of specimens from an embalmed human skull. Barber TW, et al.
Tex Rep Biol Med 28:497-508, Winter 70
[Causes of the external cephalohematoma] Schaepman-van Geuns EJ.
Ned Tijdschr Verloskd Gynaecol 70:497-507, Dec 70 (Dut)
[Extradural hematoma of the posterior fossa. Apropos of a surgical case] Steimlé R, et al.
Acta Neurochir (Wien) 24:55-62, 1971 (Fre)
[Calvarial dermoid cyst] Content J, et al.
Acta Paediatr Belg 24:51-60, 1970 (Fre)
[Case of fibrous dysplasia of the bones of the face and the skull associated with mental retardation with epilepsy and unilateral deafness] Wintgens M, et al.
Acta Paediatr Belg 22:29-40, 1968 (Fre)
[Apropos of 2 cases of osteopathies. A case of Albers-Schonberg's disease. A case of Albright's disease and apex syndrome] Aouchiche M, et al.
Bull Mem Soc Fr Ophtalmol 83:628-40, 1970 (Fre)
[Tuberculous osteomyelitis of the dome of the skull] Borne G, et al.
Neurochirurgie 15:307-17, Jul-Aug 69 (Fre)
[A cause of acute anemia in a newborn: subcutaneous cranial hematoma] Delaitre R, et al.
Pediatrie 24:597-602, Jul-Aug 69 (Fre)
[Biometric analysis of Barsoi skulls] Lüps P, et al.
Arch Julius Klaus Stift Vererbungsforsch 43:67-74, 1968 (Ger)
[Epidural hematoma of the posterior cranial fossa. Case report] Bingas B. Chirurg 41:87-8, Feb 70 (Ger)
[Otogenic dura-brain prolapses of the middle cranial fossa] Lorentz FW.
Dtsch Gesundheitsw 25:2036-9, 22 Oct 70 (Ger)
[Internal ear and vascular diseases of the posterior cranial fossa] Decher H. HNO 17:97-104, Apr 69 (Ger)
[Pathogenesis and therapy of cerebral circulation disorders, especially of the posterior cranial fossa] Gottstein U. HNO 17:229-34, Aug 69 (Ger)
[The acute epidural hematoma of the posterior cranial fossa] Todorow S. Med Welt 22:1425-9, 11 Sep 71 (Ger)
[Diagnosis and therapy of basilar impressions in Paget's disease of the skull] Busch G, et al.
Nervenarzt 41:457-60, Sep 70 (Ger)
[Recurrent nasal polyposis in the course of undiagnosed Schuller's disease] Guccione G, et al.
Arch Ital Otol 80:1-10, Jan-Feb 69 (Ita)
[Penetration of light through the skull and the brain of the rat at various ages. Measurements taken separately for skin and bone] Viggiani E, et al.
Boll Soc Ital Biol Sper 46:470-3, 15 May 70 (Ita)
[On a case of eosinophilic granuloma with osseous and visceral localization] Ponzeveroni A, et al.
Minerva Med 61:4871-7, 31 Oct 70 (Ita)
[Relations between hemicrania and endocraniosis. Statistical study of 70 cases] Oratino A, et al.
Rass Int Clin Ter 50:1405-10, 30 Nov 70 (Ita)
[Method for recording direct current potential from the skull] Wake A, et al.
Med Biol (Tokyo) 81:95-8, 10 Sep 70 (Jap)
[Case of epidural hematoma of the posterior cranial fossa] Kukulska Z, et al.
Pediatr Pol 45:987-91, Aug 70 (Pol)
[Regeneration of the cranial vault bones] Matlosz Z.
Pol Tyg Lek 25:1819-22, Nov 70 (24 ref.) (Pol)
[Unusual foreign body in the splanchnocranium] Stawiński S. Wiad Lek 24:1197-9, 15 Jun 71 (Pol)
[Facial myiasis with spreading to the cranial vault] Zucoloto S, et al. Rev Bras Med 28:13-6, Jan 71 (Por)
[Possibility of local action of focused ultrasound through areas of animal and human skulls] Inin IuS, et al. Biull Eksp Biol Med 71:120-2, Apr 71 (Rus)
[Identification of a corpse from the skull] Sidorov SM, et al. Sud Med Ekspert 13:23-7, Oct-Dec 70 (Rus)
[Post-traumatic osteolysis of bones of the cranial arch] Karataev AP.
Vestn Rentgenol Radiol 45:94-6, Nov-Dec 70 (Rus)
[Craneofacial changes in a case of polyostotic fibrous dysplasia] Conde I.
Rev Esp Otoneurooftalmol Neurocir 28:339-50, 1969-70 (Spa)
[Appliation of cranial transillumination in infants Standardization of its technic and results] Zamar R, et al.
Rev Fac Cienc Med Cordoba 28:115-22, Apr-Jun 70 (Spa)

ABNORMALITIES

Meningoencephalocoeles. Tandon PN.
Acta Neurol Scand 46:369-83, 1970
The third fontanelle. Tan KL.
Acta Paediatr Scand 60:329-32, May 71
The François dyscephalic syndrome and skin manifestations. François J, et al.
Am J Ophthalmol 71:1241-50, Jun 71
Natural history of spina bifida cystica and cranium bifidum cysticum. Major central nervous system malformations in South Wales. IV. Laurence KM, et al.
Arch Dis Child 46:127-38, Apr 71
Relation between side of plagiocephaly, dislocation of hip, scoliosis, bat ears, and sternomastoid tumours. Watson GH. Arch Dis Child 46:203-10, Apr 71
Craniofacial complex in the trisomy 21 syndrome (Down's syndrome). Frostad WA, et al.
Arch Oral Biol 16:707-22, Jul 71
Cloverleaf skull and thanatophoric dwarfism.
Bloomfield JA. Australas Radiol 14:429-34, Nov 70
The recognition of bilateral craniofacial deformities. Glass D. Dent Pract Dent Rec 21:137-48, Dec 70
Undescribed cranio-auriculo-radial syndrome.
Hartofilakidis-Garofalidi, et al.
Helv Paediatr Acta 26:75-7, Apr 71
Kleeblattschadel deformity syndrome. Report of a case. Nawalkha PL, et al.
Indian J Pediatr 37:478-80, Sep 70
Cranium bifidum with meningoencephalocoele. Bandi SK, et al. Indian Pediatr 7:91-7, Feb 70
"Scoliosis capitis". Arbuckle BE.
J Am Osteopath Assoc 70:131-7, Oct 70
Craniovertebral anomaly with visual field defect. Srinivasan K, et al.
J Assoc Physicians India 18:697-8, Aug 70
A new craniodigital syndrome with mental retardation. Scott CR, et al. J Pediatr 78:658-63, Apr 71
Cystic lesions of the posterior fossa in infants: a comparison of the clinical, radiological, and pathological findings in Dandy-Walker syndrome and extra-axial cysts. Haller JS, et al.
Neurology (Minneap) 21:494-506, May 71
Relationship of craniostenoses to craniofacial dysostoses, and to faciostenoses: a study with therapeutic implications. Tessier P.
Plast Reconstr Surg 48:224-37, Sep 71
Infantile cortical hyperostosis and skull defects.
Neuhauser EB. Postgrad Med 48:57-9, Dec 70
Teratogenic compounds of Veratrum californicum (Durand). XI. Gestational chronology and compound specificity in rabbits. Keeler RF.
Proc Soc Exp Biol Med 136:1174-9, Apr 71
Skull from Spruce Swamp: case of cranial dysraphism? Gass HH. Science 171:1268, 26 Mar 71
Intrauterine diagnosis of craniolacunia. A case report and review of the literature. Watson JD, et al.
Wis Med J 70:113-5, Apr 71
[Cerebral gigantism] Fauchier C, et al.
Ann Pediatr (Paris) 17:870-5, 2 Dec 70 (Fre)
[François' dyscephaly syndrome. (Dyscephaly with bird-head-like symptoms and dental anomalies, dwarfism, hypotrichosis, skin atrophy, microphthalmos and congenital cataract.) Its relation to elastic tissue] Pierard J, et al.
Arch Belg Dermatol Syphiligr 25:439-54, Oct-Dec 69 (Fre)
[François' syndrome] Battin J, et al.
Bord Med 3:2469-70, Oct 70 (Fre)
[Francois' dyscephaly syndrome and skin manifestations] François J, et al.
Bull Soc Belge Ophtalmol 155:541-59, Jun 70 (Fre)
[François' dyscephalic syndrome. Histologic findings] Piérard J, et al.
Bull Soc Fr Dermatol Syphiligr 77:725-30, 1970 (Fre)
[Recurrent spontaneous dislocations of the eyeballs in a brachycephalic] Mawas E, et al.
Bull Soc Ophtalmol Fr 69:28-38, Jan 69 (Fre)
[Craniostenosis and occipitovertebral joint abnormality] Arnould G, et al.
Rev Otoneuroophtalmol 43:20-5, Jan-Feb 71 (Fre)
[A case of diprosopus dignathus distomus in a calf] Hochstrasser G.
Wien Tieraerztl Monatsschr 57:201-4, May 70 (Ger)
[Cloverleaf skull syndrome] Schuch A, et al.
Z Kinderheilkd 109:187-98, 1971 (Ger)
[Ankyloses in the Kleeblatt skull syndrome] Büttner HH. Zentralbl Allg Pathol 113:383-90, 1970 (Ger)
[Bilateral hypoplasia of the vertebral artery in a patient with craniocervical malformation] Carella A, et al.
Acta Neurol (Napoli) 24:524-9, Jul-Aug 69 (Ita)
[Craniolacunia. Presentation of 2 cases and clinical radiological considerations] Gandolfo MT, et al.
G Batteriol Virol Immunol 63:277-90, Jul-Aug 70 (Ita)
[On abnormalities of cranial structures in newborn infants. Clinico-radiological considerations on a case of monolateral persistence of mixed fibrous sutures] Ottolenghi G. Minerva Med 61:5902-9, 22 Dec 70 (Ita)
[Rachitic deformities] Pipino F, et al.
Minerva Ortop 22:91-121, Apr 71 (Ita)
[Abnormalities of the 1st branchial arch (case report)] Boigiani Naddeo MP, et al.
Minerva Pediatr 21:1242-7, 7 Jul 69 (Ita)
[Lacunae of the skull] Ruffato C, et al.
Radiol Med (Torino) 56:225-37, Mar 70 (Ita)
[Bone anomalies of the cranio-cervical junction] Tamaki N, et al.
Brain Nerve (Tokyo) 22:1375-85, Dec 70 (Jap)
[Regeneration of the bones of the cranial vault in children with stenocephaly] Matlosz Z, et al.
Folia Morphol (Warsz) 29:341-51, 1970 (Pol)
[Some unusual clinico-radiological aspects in infiltrative tumors of the cranial base] Piroș F, et al.
Neurol Psihiatr Neurochir 15:419-28, Sep-Oct 70 (Rum)
[Anterior fontanelle bone in the newborn] Trosc V, et al.
Rev Med Chir Soc Med Nat Iasi 75:221-4, Jan-Mar 71 (Rum)

ANATOMY & HISTOLOGY

Appearance of the base in relation to the configuration of the human skull. Hadžiselimović H, et al.
Acta Anat (Basel) 78:25-31, 1971
The distinctive characters of the elapid chondrocranium. Kamal AM. Anat Anz 127:171-5, 1970
A study of the anterior cranial base. Linden FP van der, et al. Angle Orthod 41:119-24, Apr 71
Interpretation of the lateral skull radiograph--assembly of disarticulated bones.
Marshall D. Dent Radiogr Photogr 43:71-82, 1970
Alpha amplitude dependence on skull thickness as measured by ultrasound technique. Leissner P, et al.
Electroencephalogr Clin Neurophysiol 29:392-9, Oct 70
Craniopharyngeal canal and pharyngeal hypophysis in the siamang gibbon (Symphalangus syndactylus). Leela K, et al. Folia Primatol (Basel) 14:118-22, 1971
Clinical and anatomical considerations of dacryocystitis. Avasthi P, et al.
Int Surg 55:200-3, Mar 71
Variations in height of the palatum osseum as a function of other vertical dimensions and angles of the skull. Vidić B. J Dent Res 50:14-6, Jan-Feb 71
Half-skull acrylic models. Garston JB, et al.
Med Biol Illus 20:224-6, Oct 70
Some notes on the biostatics of the skull cap in domesticated dog. Badoux DM.
Proc K Ned Akad Wet [Biol Med] 73:343-52, 1970
[Hypothesis on a possible adaptative connection between the degree of complexicity of dermic structures of the extremities and the cranio-facial and dental morphology in the series of primates] Petit-Maire N, et al.
C R Acad Sci [D] (Paris) 273:169-72, 12 Jul 71 (Fre)
[Binocular vision and skull form: the problem of the alteration of the primate skull, especially of the skull of Loridae] Spatz WB.
Acta Anat (Basel) 75:489-520, 1970 (Ger)
[Appearance of the outside surface of the human skull base in reference to the skull configuration] Hadžiselimović H, et al. Anat Anz 127:540-7, 1970 (Ger)
[Comparative studies on the bone structure of the Pinnipedia: structure of the skull of the walrus, Odobenus rosmarus L. 1st Communication] Kaiser HE. Anat Anz 127:1-21, 1970 (Ger)
[Determination of the distance between clivus and A. basilaris by echo-encephalography] Voigt K, et al.
Arch Psychiatr Nervenkr 213:223-37, 1970 (Ger)
[Anthropological and anatomical characteristics of the bony palate] Kadanoff D, et al.
Gegenbaurs Morphol Jahrb 114:169-76, 1969 (Ger)
[Research on the morphology of the jugular foramen: presence of an accessory canal for the glossopharyngeal nerve in the skulls of newborn infants] Petriglieri P.
Boll Soc Ital Biol Sper 45:1436-8, 30 Nov 69 (Ita)
[Tridimensional cranio-encephalic topography in experimental animals (rabbit, guinea pig, rat)] Martino L, et al.
Riv Neurobiol 16:267-329, Jul-Sep 70 (Ita)
[On the skulls excavated from the ruins of the earlier medieval period at Midorikawa, Uto City, Kumamoto Prefecture] Matsuno S, et al.
J Kumamoto Med Soc 44:999-1016, 25 Oct 70 (Jap)
[Anthropological study on the skulls of the Edo period people excavated from Kuwashima Island in Ushibuka City, southern Amakusa district, Kumamoto Prefecture] Waki T.
J Kumamoto Med Soc 44:1031-91, 25 Nov 70 (Jap)
[Anatomical studies of the cranial base of children. 2. Synchondrosis of the cranial base] Akazawa M.
Shikwa Gakuho 71:1371-80, May 71 (Jap)
[Structuro-mechanical studies on the animal skull based on the distribution of strains caused by biting force] Miyachi T.
Shikwa Gakuho 71:44-91, Jan 71 (Jap)

BLOOD SUPPLY

[Diploic circulation in the hamster] Coppini L, et al.
Boll Soc Ital Biol Sper 46:532-5, 15 Jun 70 (Ita)
[Diploic circulation in the rat] Ghibellini MD.
Boll Soc Ital Biol Sper 46:385-8, 30 Apr 70 (Ita)
[Intraosseous blood pressure in the cranial bones and cervical spine] Kovalevskiĭ LS.
Khirurgiia (Mosk) 47:13-5, Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

EMBRYOLOGY

The chondrocranium of Hemiechinus auritus aegyptius and its comparison with Erinaceus europaeus. Youssef EH. Acta Anat (Basel) 78:224-54, 1971
A new view of the control of the morphogenesis of the skull. Limborgh J van.
Acta Morphol Neerl Scand 8:143-60, Nov 70
Compartmental analysis of collagen synthesis in fetal rat calvaria. I. Perturbations of proline transport. Phang JM, et al.
Biochim Biophys Acta 230:146-59, 26 Jan 71
Some developmental aspects of the head skeleton of the 35-37 mm Squalus acanthias foetus. Jollie M.
J Morphol 133:17-40, Jan 71
[Consideration of morphogenesis of the skull] Limborgh J van.
Ned Tijdschr Tandheelkd 78:44-54, Feb 71 (Dut)
[The growth of the eyes and orbits in the chick embryo. IV. The growth of the skull in 11-19 day embryos with experimentally produced unilateral microphthalmia] Tonneyk-Müller I.
Acta Morphol Neerl Scand 8:303-19, May 71 (Ger)
[The primordial cranium of a 52 mm human embryo] Bersch W, et al.
Z Anat Entwicklungsgesch 132:240-59, 1970 (Ger)
[Cerebral cranium development in intrauterine life in man] Popova-Latkina NV.
Dokl Akad Nauk SSSR 197:1445-7, 21 Apr 71 (Rus)

ENZYMOLOGY

The effect of parathyroid extract and dibutyryl cyclic AMP on NAD and NADP levels in embryonic mouse calvarium explants. Herrmann-Erlee MP.
Proc K Ned Akad Wet [Biol Med] 74:234-46, 1971

GROWTH & DEVELOPMENT

Growth and development of splanchnocranium in children with total unilateral cleft. Havlová Z.
Acta Chir Plast (Praha) 12:252-3, 1970
A new view of the control of the morphogenesis of the skull. Limborgh J van.
Acta Morphol Neerl Scand 8:143-60, Nov 70
The relationship of the temporal muscle to the form and architecture of the skull of the rat. Warner WM.
Am J Orthod 60:89, Jul 71
The morphological and morphogenetic basis for craniofacial form and pattern. Enlow DH, et al.
Angle Orthod 41:161-88, Jul 71
Suture diastasis following rapid weight gain. Pseudopseudotumor cerebri. Sondheimer FK, et al.
Arch Neurol 23:314-8, Oct 70
Growth potential of intracerebrally transplanted cranial base synchondroses in the rat. Koski K, et al.
Arch Oral Biol 15:1107-8, Nov 70
A comparison of regression with time series-exponential smoothing predictions of craniofacial growth. Hirschfeld WJ.
Growth 34:431-5, Dec 70
Growth changes in the mammalian cranial base and their association with head posture. Moore WJ.
J Anat 107:183, Jul 70
Ontogeny of cranial ossification in the small-mouthed salamander, Ambystoma texanum (Matthes). Bonebrake JE, et al. J Morphol 133:189-203, Feb 71
[Development of various bones of the neurocranium in Cyprinus carpio L.] Dornesco GT, et al.
Anat Anz 128:16-38, 1971 (Fre)
[Morphogenesis of the primate skull] Heintz NP.
C R Acad Sci [D] (Paris) 271:1384-6, 19 Oct 70 (Fre)
[Substitution of a quail (Coturnix coturnix japonica) embryonic brain for a chicken (Gallus gallus) embryonic brain of the same stage] Schowing J, et al.
C R Acad Sci [D] (Paris) 272:2382-4, 3 May 71 (Fre)
[Influence of external factors on cranial morphogenesis in univitelline twins] Empereur-Buisson R, et al.
J Radiol Electrol Med Nucl 50:893-6, Dec 69 (Fre)
[Biometric and mechanism of development of the symptoms of brachycephaly in the dog] Huber W, et al.
Arch Julius Klaus Stift Vererbungsforsch 43:57-65, 1968 (Ger)
[Development of the osteocranium in the axoloti (Siredon mexicanum Shaw)] Heydecke R.
Gegenbaurs Morphol Jahrb 114:241-57, 1969 (Ger)
[Forensic osteology. IV. CLOSURE OF THE CRANIAL SUTURES WITH SPECIAL CONSIDERATION OF THE QUESTION OF AGE DETERMINATION] Schmitt HP, et al. Z Rechtsmed 67:230-48, 1970 (Ger)
[Morphology of the bregmatic fontanelle in newborn infants in Campania] Berlingieri D, et al.
Arch Ostet Ginecol 75:130-41, Mar-Apr 70 (Ita)
[Anatomical studies of the cranial bases of children. 1. On the growth of the cranial base] Akazawa M.
Shikwa Gakuho 71:1233-51, Apr 71 (Jap)
[Growth of children skulls. 1. Length, height and breadth of the skull] Hamada K.
Shikwa Gakuho 71:1073-87, Mar 71 (Jap)
[Development of children's skulls. 2. Growth of the skull on the sagital plane] Hammada K.
Shikwa Gakuho 71:1776-88, Jul 71 (Jap)
[Development of the facial massif with clinical applications in dentistry. (Embryological, anthropological and clinical study)] Firu P.
An Esp Odontoestomatol 29:271-319, Jul-Aug 70 (Spa)

INJURIES

Self-inflicted orbitocranial injury with a plastic ballpoint pen. Bowen DI.
Br J Ophthalmol 55:427-30, Jun 71
Attempted infanticide by insertion of sewing needles through fontanels. Report of two cases. Ameli NO, et al. J Neurosurg 33:721-3, Dec 70
Transorbital, transcranial stab wound. Jackson FE, et al. JAMA 215:1649-51, 8 Mar 71
Regeneration of the skull following a deep electrical burn. Worthen EF. Plast Reconstr Surg 48:1-4, Jul 71
[Vertebro-vasilar insufficiency and injury] Boudouresques J, et al. Mars Med 108:235-9, 1971 (Fre)
[On a large post-traumatic neuroma of the temporo-parietal region] Riu R, et al.
Rev Laryngol Otol Rhinol (Bord) 90:102-4, Jan-Feb 69 (Fre)
[Prognosis of suicidal cranial gunshot wounds] Kutscha-Lissberg E, et al.
Wien Med Wochenschr 120:871-2, 21 Nov 70 (Ger)
[3 cases of hemorrhage due to gastroduodenal ulcer in injured patients] Tappero P.
Minerva Medicolog 89:21-4, Jan-Feb 69 (Ita)
[Case of defect of the skull caused by severe electric burn wound] Arai K, et al.
Jap J Plast Reconstr Surg 13:429-34, Sep 70 (Jap)
[Audiometric findings in closed skull injuries] Dekleva N, et al. Med Glas 24:186-8, Apr-May 70 (Cro)

METABOLISM

Collagen and mineral accretion rates in bone during vitamin A deficiency. Firschein HE.
Am J Physiol 219:1183-7, Nov 70
[Senile metamorphosis of the cranium, its normal and pathological variations, metabolic craniopathy] Burkhardt L.
Cah Coll Med Hop Paris 9:321-9, Apr 68 (Fre)

PATHOLOGY

Lesions in nervous tissue and bone in ataxic vitamin A deficient quail. Howell JM, et al.
Acta Neuropathol (Berl) 16:285-92, 1970
Tuberculous osteitis of the skull. Miles J, et al.
J Neurol Neurosurg Psychiatry 33:717, Oct 70
Aboriginal trephination: case from southern New England? Powell BW. Science 170:732-4, 13 Nov 70
[A case of considerable bone destruction of the skull along with the impairment of the cranial nerves in the course of an x-ray treatment of a neoplasm] Kulisiewicz T, et al.
Wiad Lek 23:1567-70, 15 Sep 70 (Pol)

PHYSIOLOGY

A study of the rhythmic motions of the living cranium. Frymann VM. J Am Osteopath Assoc 70:928-45, May 71
Extracranial auditory responses from the base of the skull. Clark GM, et al. Laryngoscope 80:1834-46, Dec 70

RADIOGRAPHY

Radionuclide evaluation of the Dandy-Walker malformation and congenital arachnoid cyst of the posterior fossa. Conway JJ, et al.
Am J Roentgenol Radium Ther Nucl Med 112:306-14, Jun 71
Brain tumors in children with normal skull roentgenograms. Grossman H, et al.
Am J Roentgenol Radium Ther Nucl Med 112:329-31, Jun 71
Angiography in posterior fossa tumors of infancy and childhood. Wolpert SM.
Am J Roentgenol Radium Ther Nucl Med 112:296-305, Jun 71
Improvement in stereotaxic accuracy through the use of special x-rays. Pickering SG.
Arch Ital Biol 109:75-9, Apr 71
A simple skull X-ray marker. Davies AG.
Br J Radiol 44:324, Apr 71
Interpretation of the lateral skull radiograph--assembly of disarticulated bones. Marshall D. Dent Radiogr Photogr 43:71-82, 1970
Roentgen findings in the craniosacral mechanism. Greenman PE. J Am Osteopath Assoc 70:60-71, Sep 70
Indications for x-ray films of skull in children. Ecker A.
JAMA 215:297, 11 Jan 71
Radiology mediquiz. Case 4. Chang CH.
Med Times 99:105 passim, Mar 71
Radiology of the skull and central nervous system. Funch RB, et al.
Progr Neurol Psychiatry 25:238-51, 1970 (87 ref.)
A study of human radiation sensing and dark adaptometry using X-rays. Heilerstein LJ, et al.
Radiat Res 44:629-36, Dec 70
Developmental approach in the analysis of roentgenograms of the pediatric skull. Momose KJ.
Radiol Clin North Am 9:99-116, Apr 71 (51 ref.)
Roentgenographic measurement of skull size in children. Austin JH, et al. Radiology 99:641-6, Jun 71
A new head rotation method for cervical spine radiography. Li CP, et al. Radiology 98:568, Mar 71
Button sequestrum revisited. Sholkoff SD, et al.
Radiology 100:649-52, Sep 71
[Echinococcosis of bones in the cranial vault] Janečka V. Cesk Radiol 24:265-9, Nov 70 (Cze)
[Applications of direct planimetry in radiology] Jouve P, et al. Ann Radiol (Paris) 14:3-11, Jan-Feb 71 (Fre)
[False image of pneumatocele due to cranial diploid cyst] Fournier AM, et al.
J Radiol Electrol Med Nucl 50:153-4, Mar-Apr 69 (Fre)
[Osteoporosis circumscribed to "classic" Paget's skull (course followed for 24 years)] Legré J, et al.
J Radiol Electrol Med Nucl 51:676-9, Nov 70 (Fre)
[Cranial lacuned during lymphnodal-pulmonary sarcoidosis] Perrin-Fayolle M, et al.
Lyon Med 225:945-53, 23 May 71 (Fre)
[Contribution of simple radiography of the skull to the examination of an epileptic] Miribel J, et al.
Rev Neuropsychiatr Infant 18:847-61, Oct-Nov 68 (Fre)
[The ear region on the teleradiography of the profile] Papernot-Cousteix G, et al.
Rev Stomatoodontol Nord Fr 26:7-18, 1971 (Fre)
[Pneumotomography of posterior cranial fossa] Betz H.
Fortschr Geb Roentgenstr Nuklearmed 109:319-24, Sep 68 (Ger)
[The meningeal blood supply of intracranial arteriovenous malformations] Peeters FL, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:303-11, Sep 70 (Ger)
[Skull tomography in trans-maxillary oblique projection. A simple and versatile setting] Reisner K.
Fortschr Geb Roentgenstr Nuklearmed 113:289-77, Sep 70 (Ger)
[Experimental studies on the perceptibility of detail in skull tomograms] Reisner K.
Fortschr Geb Roentgenstr Nuklearmed 112:332-44, Mar 70 (Ger)
[Fibrous dysplasia of the skull] Taenzer V, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:207-11, Aug 70 (Ger)
[Use of a tunnel cassette in tomography of the skull] Westernhagen B von. HNO 17:16, Jan 69 (Ger)
[Effectiveness of x-ray photograph of the child's skull] Daute KH, et al.
Kinderaerztl Prax 38:422-30, Sep 70 (Ger)
[X-ray picture of the skull in recurrent parablastic leukemia in childhood] Schuster W.
Kinderaerztl Prax 38:468-74, Oct 70 (Ger)
[Craniometry as an aid in the quantitative determination of pathological skull asymmetries based on general skull x-ray pictures. Contribution to the diagnosis of infantile hemispheric lesions as a cause of epilepsy] Heintel H.
Nervenarzt 42:273-5, May 71 (Ger)
[Roentgen anatomy of the skull] Martin M.
Roentgenpraxis 24:131-40, Jun 71 (Ger)
[Cranial radiography in strabismus. Radiostatistical study] Chiavazza G, et al.
Minerva Oftalmol 11:145-57, Sep-Oct 69 (Ita)
[Radiological study of the cranium in female phenotype gonadal dysgenesis. Cephalometric findings] Cavina C, et al. Nunt Radiol 34:1661-72, Dec 68 (Ita)
[Epidermoid cysts of the cranial vault] Linguiti L.
Nunt Radiol 34:1651-60, Dec 68 (Ita)
[The alminium filter for density compensation in cinefluorographic lateral craniography] Furuya K, et al. J Jap Stomatol Soc 37:453-8, Dec 70 (Jap)
[Treatment of brain concussion] Kollevold T.
Tidsskr Nor Laegeforen 91:282-4, 10 Feb 71 (Nor)
[Stands for skull radiography and their purpose] Ginzburg VG.
Vestn Rentgenol Radiol 45:82-6, Jan-Feb 70 (Rus)
[X-ray image of fibrous dysplasia of the skull and age characteristics of its course] Ioffe AZ.
Vestn Rentgenol Radiol 45:3-10, Nov-Dec 70 (Rus)
[Recent advances in radiology. V. Cisternography with contrast media] Bustamante Balcárcel A.
Gac Med Mex 96:441-2, May 66 (Spa)

SURGERY

The anaesthetic management of posterior fossa explorations in infants. Allan D, et al.
Can Anaesth Soc J 17:227-33, May 70
On the use of Biobond in the treatment of cerebrospinal rhinorrhea and frontobasal fistula. Nyström SH.
Int Surg 54:332-40, Nov 70
The effect of restricted suture growth on brain growth in dogs. Christensen FK, et al.
Surg Forum 21:439-40, 1970
[Skull trephine; a device for protection of the dura and rapid trephination] Yamamoto S.
Brain Nerve (Tokyo) 22:1293-5, Nov 70 (Jap)
[Regeneration of the bones of the cranial vault in children with stenocephaly] Matlosz Z, et al.
Folia Morphol (Warsz) 29:341-51, 1970 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SKULL FRACTURES (C14)

On cranial bone-injuries in experiment under measured out blows. Gromov AP.
Acta Med Leg Soc (Liege) 20:215-9, Jul-Dec 67
Orbital blow-out fractures. Kreiger AE.
Am Orthopt J 21:64-76, 1971
Orbital blow out fracture. Herman S.
Arch Dis Child 46:556-7, Aug 71
Concomitant medial wall fracture and blowout fracture of the orbit. Dodick JM, et al.
Arch Ophthalmol 85:273-6, Mar 71
The pattern of lacrimal injuries in naso-ethmoid fractures. Stranc MF. Br J Plast Surg 23:339-46, Oct 70
Retained intracranial fragments following missile injuries. Sukoff MH, et al.
Bull Los Angeles Neurol Soc 36:64-71, Apr 71
Trauma Rounds. Montreal General Hospital. Fractured orbit (Case P67). Can Med Assoc J 103:1077-8, 1 Nov 70
Orbital blow-out fracture.
Can Med Assoc J 104:819-21, 8 May 71
Fracture dislocation of the petrous bone. De Villiers JC. J Neurol Neurosurg Psychiatry 34:105-6, Feb 71
Posterior parietal fractures in infancy and early childhood. Oon CL, et al.
Singapore Med J 12:13-7, Feb 71
[Cranial and cerebral trauma] Hansen E.
Ugeskr Laeger 133:893-4, 7 May 71 (Dan)
[Traumatism of the anterior fossa of the skull. Based on 99 observations] Noterman J.
Acta Chir Belg 69:69-84, Feb 70 (Fre)
[Isolated orbit floor fracture or blowout fracture] Reny A, et al.
Bull Soc Ophtalmol Fr 69:706-17, Jul-Aug 69 (Fre)
[Clinical data, electroencephalographic study and socioeconomic future of 1,925 head injury patients] Muller GE.
Bull Soc Sci Med Grand Duche Luxemb 107:7-39, Mar 70 (Fre)
[Fronto-basal fractures] Escher F.
Rev Otoneuroophtalmol 41:412-3, Nov 69 (Fre)
[Determination and treatment of skull brain trauma] Lanksch W, et al. Chirurg 41:437-41, Oct 70 (Ger)
[Fractures of the skull] Spängler H.
Chirurg 41:442-9, Oct 70 (Ger)
[Traumatology of the skull--pathogenesis and clinical picture of skull brain trauma] Stoehdorph O.
Chirurg 41:433-7, Oct 70 (Ger)
[Injuries of the rhino and otobasis from the aspect of the pneumatic system in the skull] Wullstein HL, et al. Chirurg 41:490-4, Nov 70 (Ger)
[Evaluation and treatment of skull and brain injuries] Marguth F.
Langenbecks Arch Chir 322:251-8, 1968 (Ger)
[Blow-out orbital fractures] Strupler W.
Ther Umsch 28:160-8, Mar 71 (Ger)
[First aid and transport of patients with skull and brain injuries] Bettag W.
Z Allgemeinmed 46:863-7, 20 Jun 70 (Ger)
[Cranio-cerebral injury. Tolerance of the skull and brain to mechanical trauma] Sellier K.
Z Rechtsmed 68:239-52, 1971 (Ger)
[Unusual lesions in a traffic accident] Tappero P.
Minerva Medicoleg 89:28-9, Jan-Feb 69 (Ita)
[Skull perforations in automobile accidents] Cherkavskif NB, et al.
Sud Med Ekspert 13:44-6, Oct-Dec 70 (Rus)
[Effect of crash helmets on the characteristics of craniocerebral injuries in motorcycle accidents] Murashev EV, et al.
Sud Med Ekspert 14:21-2, Jan-Mar 71 (Rus)
[Skull trepanations in suicides] Rafkhman VI.
Sud Med Ekspert 13:51-2, Apr-Jun 70 (Rus)
[Neurosurgical treatment of neonates having sustained birth injury to the skull and brain (remarks concerning the article of A. I. Osna)] Romodanov AP, et al. Vopr Neirokhir 34:18-23, Mar-Apr 70 (Rus)
[The general physician in the presence of a craniocerebral injury] Muollo AC, et al.
Prensa Med Argent 57:2044-9, Jan 71 (Spa)
[Progressive cranial fractures] Redondo Cortina P, et al.
Rev Esp Otoneuroftalmol Neurocir 28:199-209, 1969-70 (Spa)

CEREBROSPINAL FLUID

[CSF pressure changes in the acute phase of serious cranio-cerebral injuries under the climatic conditions of Turkmenistan] Volobuev IuM.
Vopr Neirokhir 34:29-32, Sep-Oct 70 (Rus)

COMPLICATIONS

Traumatic bitemporal hemianopsia. Survey of the literature and report of a case. Laursen AB.
Acta Ophthalmol (Kbh) 49:134-42, 1971
Blowout fracture of the orbital roof with pulsating exophthalmos, blepharoptosis, and superior gaze paresis. Smith RR, et al.
Am J Ophthalmol 71:1052-4, May 71
Posttraumatic bacterial meningitis. Brewin AW.
Ann Intern Med 73:862, Nov 70
Calcification and loss of subcutaneous tissue following trauma and hypothermia. McCandless AE.
Arch Dis Child 46:557-9, Aug 71
Concomitant blowout fracture of the orbit and rupture of the globe. Dodick JM, et al.
Arch Ophthalmol 84:707-9, Dec 70
Post-traumatic intra-orbital pneumatocele--a rare cause of unilateral exophthalmos. Per BL, et al.
Br J Radiol 44:214-5, Mar 71
Fractured skull and facial bones. Fichman SH.
Can Med Assoc J 104:981 passim, 5 Jun 71
Ocular muscle complications of orbital fractures. Barr DR. Int Ophthalmol Clin 10:153-60, Spring 70
X-ray conference. Traumatic carotid-cavernous sinus fistula. Wood M, et al.
J Indiana State Med Assoc 63:1303-4, Nov 70
KUMC trauma conference. G.I. bleeding and respiratory failure in a patient with severe head injury. Reckling FW, et al.
J Kans Med Soc 72:318-21, Jul 71
Cranio-cerebro-cervical injuries. Stadaas J, et al.
J Oslo City Hosp 20:149-60, Nov 70
Brainstem lesions due to closed head injury. Crompton MR. Lancet 1:869-73, 3 Apr 71
Traumatic pneumoencephalus. Vengsarkar US, et al.
Neurol India 18:226-30, Dec 70
An unusual complication of head trauma. Azariah R.
NZ Med J 73:358-60, Jun 71
See saw nystagmus. Arnott EJ, et al.
Trans Ophthalmol Soc UK 90:491-6, 1970
[Skull and brain injury in multiple injuries] Müller U, et al. Cas Lek C esk 110:669-73, 16 Jul 71 (Cze)
[Oculomotor paresis. Trephining in epidural hematoma] Malmros R.
Ugeskr Laeger 132:1976-9, 15 Oct 70 (Dan)
[A case of chronic suppuration of the orbital area, sequel of a long-standing undiagnosed fracture of the ethmoid bone] Janvier H, et al.
Ann Chir Plast 16:30-1, 1971 (Fre)
[Visual involvement in cranio-orbital injuries] Wolfram D, et al.
Ann Ocul (Paris) 202:1255-73, Dec 69 (Fre)
[Traumatic luxation and subluxation of the stapes. Apropos of 2 cases] Chvojka J, et al.
Ann Otolaryngol Chir Cervicofac 88:99-102, Jan-Feb 71 (Fre)
[Diplopia and altitudinal hemianopsia caused by a traumatic lesion of the occipital lobe] Hugonnier R, et al. Bull Soc Ophtalmol Fr 70:507-9, Apr 70 (Fre)
[Cranial injuries and echoencephalography] Thiry SG, et al.
Bull Soc Sci Med Grand Duche Luxemb 105:131-42, Nov 68 (Fre)
[Lesions of the middle ear, excepting facial paralysis, after closed cranial injuries] Guerrier Y, et al.
J Fr Otorhinolaryngol 17:123-8 passim, Feb 68 (Fre)
[Middle meningeal artery aneurysm] Denizet D, et al.
J Radiol Electrol Med Nucl 50:545-6, Jul-Aug 69 (Fre)
[Skull injuries with undiagnosed vertebral injuries] Dreyfus BA, et al.
Med Leg Domm Corpor (Paris) 3:258-60, Jul-Sep 70 (Fre)
[Method of carotid angiography used at the Papeete Hospital (Tahiti). Its results and importance in traumatology] Outin J, et al.
Med Trop (Mars) 29:167-80, Mar-Apr 69 (Fre)
[Cerebrospinal fluid fistulas] Zoupanos G, et al.
Praxis 59:1213-7, 25 Aug 70 (Fre)
[Paralysis of gaze during craniocerebral injuries] Scouras J, et al.
Rev Otoneuroophtalmol 42:447-55, Nov 70 (Fre)
[Total exposure of the facial nerve in laterobasal skull fractures] Fisch U.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:187-93, 1970 (Ger)
[Skull-brain injury with special reference to the stress ulcer] Kindler M, et al.
Dtsch Gesundheitsw 26:1414-6, 22 Jul 71 (Ger)
[Traumatic damages of the optic nerve. Problems of etiology and operative therapy] Schmaltz B, et al.
Klin Monatsbl Augenheilkd 159:33-51, Jul 71 (Ger)
[Therapeutic problems in skull-brain injuries associated with multiple fractures of the extremities] Kosiowski L.
Langenbecks Arch Chir 322:1085-9, 1968 (Ger)
[Technic of nystagmus examination in skull injuries] Minnigerode B.
Monatsschr Unfallheilkd 74:282-90, Jun 71 (Ger)
[The diagnosis of the so-called monocle hematoma in practice] Baltensweiler J.
Praxis 59:110-7, 27 Jan 70 (Ger)
[Brain tumor and skull injury as simultaneously active epileptogenic factors?] Lorenz J.
Schweiz Arch Neurol Neurochir Psychiatr 107:15-45, 1970 (Ger)
[Sequelae of skull and brain injuries] Lechner H.
Wien Med Wochenschr 120:660-4, 26 Sep 70 (Ger)
[Secondary brain lesions in skull injuries] Schewe G, et al. Z Rechtsmed 67:129-46, 1970 (190 ref.) (Ger)
[Analysis of fatal complications in severe frontobasal skull-brain injuries] Bockmühl F.
Zentralbl Chir 96:413-6, 20 Mar 71 (Ger)
[Craniocerebral injury with lesions of the chiasm] Skrzypczak J. Zentralbl Chir 96:874-82, 26 Jun 71 (Ger)
[Bilateral facial paralysis following fracture of the petrous pyramid] Halmos P, et al.
Orv Hetil 111:2967-8, 13 Dec 70 (Hun)
[Physiopathological, clinical and therapeutic problems in severe cranial injuries] Valenti F, et al.
Acta Anaesthesiol (Padova) 21:225-47, Mar-Apr 70 (Ita)
[Pneumoencephalography in young persons with recent cranial injuries] Traversin E.
Quad Radiol 35:45-57, Jan-Feb 70 (Ita)
[Cerebrovascular injury due to skull fracture] Takeuchi K. J Jap Med Assoc 64:836-40, Oct 70 (Jap)
[Cranio-cerebral injuries in patients with protracted loss of consciousness] Pomaski I, et al.
Pol Przegl Chir 43:701-6, May 71 (Pol)
[Cranial base fracture with lesions of cranial nerves (8th-XII)] Gluch H, et al.
Wiad Lek 23:1835-8, 15 Oct 70 (Pol)
[Mental disorders in recent craniocerebral trauma. On 105 cases] Arseni C, et al.
Neurol Psihiatr Neurochir 16:109-16, Mar-Apr 71 (Rum)
[On the vestibular syndrome after craniocerebral injury in flight personnel] Sigal S, et al.
Otorinolaringologie 16:35-41, Jan-Feb 71 (Rum)
[On posttraumatic intracranial pneumatocele] Obiu N, et al.
Rev Med Chir Soc Med Nat Iasi 74:631-9, Jul-Sep 70 (Rum)
[On 210 cases of cranial and cerebral injuries associated with other injuries] Popovici GG, et al.
Rev Med Chir Soc Med Nat Iasi 75:97-104, Jan-Mar 71 (Rum)
[Clinical forms and specific treatment of severe closed skull and brain injuries] Ugriumov V, et al.
Khirurgiia (Mosk) 46:28-33, Sep 70 (Rus)
[Outcomes of gastric resection for peptic ulcer in patients who had sustained brain injury prior to surgery] Startsev IV, et al.
Klin Med (Mosk) 49:51-5, Jan 71 (Rus)
[The surgeon's tactics in craniocerebral trauma combined with injury to the extremities] Fraerman AP, et al. Ortop Travmatol Protez 32:14-9, Jan 71 (Rus)
[Diagnosis and treatment of subarachnoid hemorrhage in cranio-cerebral injury] Golovina EI, et al.
Vestn Khir 102:77-81, May 69 (Rus)
[Shock in cranio-cerebral injuries alone and in combination with other injuries] Ukhanova NV, et al.
Vestn Khir 102:72-6, May 69 (Rus)
[Effect of skull injury on the development of intracranial complications in chronic suppurative otitis] Lonskaia TG.
Vestn Otorinolaringol 32:107, Sep 70 (Rus)
[Disturbances in auditory analyzer function in patients with fractures of the cranial base during the acute stage of cranial-brain trauma] Sakalinskas MA, et al.
Vestn Otorinolaringol 33:46-52, Jan-Feb 71 (Rus)
[Shock in isolated craniocerebral trauma] Fraerman AP, et al. Vopr Neirokhir 34:58-61, Jul-Aug 70 (Rus)
[Traumatic shock in craniocerebral injuries] Lebedev VV, et al. Vopr Neirokhir 34:61-3, Jul-Aug 70 (Rus)
[Subarachnoidnal insufflation of gas in cranial base fractures accompanied by liquorrhea] Starodubtsev AI. Vopr Neirokhir 34:33-5, Sep-Oct 70 (Rus)
[Cerebral circulatory hypoxia in patients with skull and brain injuries] Ugriumov VM, et al.
Vopr Neirokhir 34:13-8, Mar-Apr 70 (Rus)
[The differential diagnosis of intracranial hematomas in the acute period of cranio-cerebral trauma] Likhterman LB, et al.
Zh Nevropatol Psikhiatr 71:335-42, 1971 (Rus)
[The clinical characteristics of acute cranio-cerebral trauma proceeding with papilledema and without intracranial hematomas] Shishkina VN, et al.
Zh Nevropatol Psikhiatr 71:357-62, 1971 (Rus)
[Pneumocephalus, nasal liquorrhea, brain abscess and suppurative frontethmoiditis following craniocerebral injury with lesion of the paranasal sinuses] Murzin VE, et al.
Zh Ushn Nos Gorl Bolezn 31:91-2, May-Jun 71 (Rus)
[Treatment of conductive hearing damage due to a fracture of the temporal bone] Stefanović B.
Srp Arh Celok Lek 98:793-8, May 70 (Ser)

DIAGNOSIS

Clinical diagnosis of facial fractures. Paul JK, et al.
Oral Surg 32:362-6, Sep 71
The clinical and radiological presentation of blowout fracture of the orbit in children. Heller RM.
Pediatrics 46:796-9, Nov 70
[Unrecognized cranial and cerebral trauma which terminated fatally] Simonsen J.
Ugeskr Laeger 133:863-6, 7 May 71 (Dan)
[Open frontobasal skull fracture] Conradi FH.
Praxis 59:187-98, 10 Feb 70 (Ger)
[Diagnostic and therapeutic problems of open fronto-basal fractures] Escher F.
Praxis 59:484-5, 31 Mar 70 (Ger)
[Diagnostic features of combined craniocerebral injury in the 1st hours of the acute period] Shtabtsov VI.
Voen Med Zh 1:28-30, Jan 71 (Rus)
[Results of cerebral radiocirculography in craniocerebral injuries] Faqula J, et al.
Cesk Neurol 34:134-8, May 71 (Slo)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Fractures of the pyramidal part of the temporal bone] Stanković D, et al.
Med Glas 24:178-80, Apr-May 70 (Cro)

ENZYMOLOGY

[The effect of the convulsive syndrome on transaminase activity in the early period of cranio-cerebral injury]. Bilonoga MT.
Zh Nevropatol Psikhiatr 71:353-7, 1971 (Rus)

ETIOLOGY

[Celluloid-ball impressions (Derby Hat impression) of the skull--of pre- or postnatal origin?] Krenkel W.
Acta Neurochir (Wien) 23:135-9, 1970 (Ger)
[Growing skull fracture in a newborn infant as a rare complication of vacuum extraction] Kemperdick H, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:820-3, Jun 71 (Ger)
[The mechanism of ring-fractures of the base of the skull] Spasić P, et al. Z Rechtsmed 67:324-8, 1970 (Ger)
[A clinical case of skull fracture of the fetus in utero due to the effect of external force] Heilmann L.
Zentralbl Gynaekol 92:510-1, 18 Apr 70 (Ger)

IMMUNOLOGY

[Immunomorphology of cerebrocranial trauma] Gannushkina IV, et al.
Vestn Akad Med Nauk SSSR 26:72-7, 1971 (Rus)

METABOLISM

Glucose tolerance and plasma insulin in cranial trauma. King LR, et al. Ann Surg 173:337-43, Mar 71
[Biochemical and hematological indices in brain contusions] Brodskaia NI, et al.
Vestn Khir 102:81-3, May 69 (Rus)
[Effect of experimental open cerebrocranial injury on oxidative processes in brain tissue] Iakobson LI.
Vopr Med Khim 17:37-40, Jan-Feb 71 (Rus)

OCCURRENCE

Survey and follow-up of 225 consecutive patients with a depressed skull fracture. Braakman R.
J Neurol Neurosurg Psychiatry 34:106, Feb 71
[On skull traumas in children] Geuna E, et al.
Riv Clin Pediatr 81:1069-71, Nov-Dec 68 (Ita)
[Fresh cranial injuries treated at closed medical centers in Lodź] Matczak J.
Pol Przegl Chir 43:73-7, Jan 71 (Pol)

PATHOLOGY

Extrusion of brain into stomach: report of a case. Gross EM. J Forensic Sci 15:392-5, Jul 70
[Morphology of cranial injuries caused by traffic accidents in cases of quick death] Chróścielewski E, et al.
Acta Med Leg Soc (Liege) 20:221-3, Jul-Dec 67 (Fre)

RADIOGRAPHY

Fractures of the petrous and tympanic parts of the temporal bone in children: a tomographic study of 35 cases. Harwood-Nash DC.
Am J Roentgenol Radium Ther Nucl Med 110:598-607, Nov 70
Unnecessary x-rays. Jennett B.
Br Med J 2:399, 15 May 71
The utility and futility of radiographic skull examination for trauma. Bell RS, et al.
N Engl J Med 284:236-9, 4 Feb 71
Radiographic evaluation of lateral orbital rim. Shepherd NJ, et al. Oral Surg 32:494-7, Sep 71
Angiographic demonstration of bleeding in intractable traumatic epistaxis. Duggan CA, et al.
Radiology 97:605-6, Dec 70
The unfused planum sphenoidale: differentiation from fracture. Smith TR, et al. Radiology 98:305-9, Feb 71
Fractures of the pterygoid processes accompanying severe facial bone injury. Unger JD, et al.
Radiology 98:311-6, Feb 71
[The importance of the carotid angiography after skull-brain injuries in an emergency hospital] Kirschke W. Dtsch Med J 20:219-23, 5 Apr 69 (Ger)
[Postmortem radiography with the aid of a field x-ray machine] Fischer H, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:535-7, Oct 70 (Ger)
[Orbital injuries] Müller-Jenssen K.
Roentgenpraxis 24:25-36, Feb 71 (Ger)

SURGERY

Orbital blow-out fracture repair, conjunctival approach. Tenzel RR, et al.
Am J Ophthalmol 71:1141-2, May 71
Nasofrontal duct in frontal sinus fractures. May M, et al.
Arch Otolaryngol 92:534-8, Dec 70
Skin-muscle flap for orbital floor fractures. Strahan RW, et al. Arch Otolaryngol 92:539-42, Dec 70
A suction dissector for exposure of orbital fractures. McFarlane RM. Br J Plast Surg 23:299-300, Jul 70
Skull reconstruction with bone dust. Shehadi SI. Br J Plast Surg 23:227-34, Jul 70
Fractured skull and facial bones (case P32). Can Med Assoc J 104:514-6, 20 Mar 71
Le Fort's fractures. Hofmann WB.
Trans Am Acad Ophthalmol Otolaryngol 74:1074-6, Sep-Oct 70
A system of surgical approaches to orbital floor fractures. Morledge D, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:519-25, May-Jun 71
[Value of an immediate complete treatment of severe craniofacial injury] Pefferkorn JP, et al.
Neurochirurgie 17:45-50, Jan-Feb 71 (Fre)
[Facial injuries in the multiple-injured]
Rev Chir Orthop 57:Suppl 1:325+, 1971 (Fre)
[Breaking of the fossa cranii anterior. Immediate global and conservative treatment] Montaut J, et al.
Rev Otoneuroophtalmol 43:58-64, Jan-Feb 71 (Fre)
[Technic of dura closure using 2-cyano-butyl-acrylate in cerebrospinal rhinorrhea or cerebrospinal otorrhea] Pfalz R.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:394-6, 1970 (Ger)
[Surgical indication in the depression-fractures of the skull] Schulze A, et al.
Dtsch Med J 20:216-9, 5 Apr 69 (Ger)
[Perforating brain-skull injuries caused by accidents and their treatment] Klug W.
Langenbecks Arch Chir 322:609-14, 1968 (Ger)
[The management of craniocerebral injuries in a medium size hospital] Grewe HE, et al.
Med Welt 4:119-22, 23 Jan 71 (Ger)
[Surgical treatment of brain and skull injuries] Grote W. Z Allgemeinmed 46:873-80, 20 Jun 70 (Ger)
[Craniocerebral injuries in adults] Kawecki Z, et al.
Pol Przegl Chir 43:447-55, Mar 71 (Pol)
[Plastic repair of defects of the cranial vault in the surgical ward] Girshovich EI, et al.
Vestn Khir 104:126-9, Apr 70 (Rus)
[Healing of a severe frontobasal injury] Klepac Z.
Med Glas 24:176-8, Apr-May 70 (Cro)
[Cerebromeningeal injuries in the frontobasal fractures] Rufić J, et al.
Med Glas 24:175-6, Apr-May 70 (Cro)
[Surgical problems in the reconstruction of cranial defects] Kraguljac V, et al.
Vojnosanit Pregl 28:72-5, Feb 71 (Cro)

THERAPY

[First aid in the skull-brain injuries in the central emergency and intensive care unit] Ziegler C, et al.
Dtsch Gesundheitsw 25:2476-80, 24 Dec 70 (Ger)
[Management of the anterior base of the skull in severe maxillofacial injuries involving paranasal sinuses] Mennig H. Dtsch Stomatol 21:555-60, Jul 71 (Ger)
[Evaluation of the results of the management of the anterior base of the skull in maxillofacial fractures (with special references to cerebrospinal fluid, meningitis and brain abscess)] Schaps P.
Dtsch Stomatol 21:560-5, Jul 71 (Ger)
[Diagnostic and therapeutic problems of open fronto-basal fractures] Escher F.
Praxis 59:484-5, 31 Mar 70 (Ger)
[Management of closed skull and brain trauma] Bock WJ. Z Allgemeinmed 46:868-72, 20 Jun 70 (Ger)
[Fresh cranial injuries treated at closed medical centers in Lodź] Matczak J.
Pol Przegl Chir 43:73-7, Jan 71 (Pol)
[Clinical forms and specific treatment of severe closed skull and brain injuries] Ugriumov V, et al.
Khirurgiia (Mosk) 46:28-33, Sep 70 (Rus)
[Rational tactics in therapy of closed craniocerebral wounds] Volobuev IuM, et al.
Voen Med Zh 1:30-2, Jan 71 (Rus)

SKULL NEOPLASMS (C2)

Secondary malignant tumour of the temporal bone. Baruah AK. J Laryngol Otol 84:1167-8, Nov 70
Primary and metastatic tumors of the temporal bone. Adams GL, et al. Laryngoscope 81:1273-85, Aug 71
Craniopharyngiomas. Kanaka TS, et al.
Neurol India 18:Suppl 1:75-8, Dec 70
Tumors of the skull. Lopez IA.
Nord Med 85:61-2, 14 Jan 71
[A case of chordoma of the clivus with cervical extension in a child] Bourdial J, et al.
Ann Otolaryngol Chir Cervicofac 87:820-2, Dec 70 (Fre)
[Chordoma revealed by a posterior torn hole syndrome. A further case] Leroux-Robert J.
Ann Otolaryngol Chir Cervicofac 87:603-7, Sep 70 (Fre)
[ERndocranial propagation of temporo-frontal malignant tumorts] Tchédomir I, et al.
Ann Otolaryngol Chir Cervicofac 85:57-60, Jan-Feb 68 (Fre)
[Craniospinal tumors in African Negroes] Girard PL, et al. Bull Soc Med Afr Noire Lang Fr 16:42-50, 1971 (Fre)
[Several cases of invading glomic neoplasms of the temporal bone] Portmann M.
J Fr Otorhinolaryngol 20:25-8, Jan 71 (Fre)
[Apropos of a case of clivus chordoma] Dupuy JP, et al.
J Radiol Electrol Med Nucl 52:306-7, May 71 (Fre)
[Large cranial spinocellular epithelioma at 24 years of age] Ambiard P, et al.
Lyon Med 222:706 passim, 26 Oct 69 (Fre)
[A case of jugal and extra-gingival ameloblastoma] Viola P.
Pract Otorhinolaryngol (Basel) 33:160-4, 1971 (Fre)
[Sympathogonioma of the mastoid] Berger F.
HNO 18:189-90, Jun 70 (Ger)
[Myxoma of the temporal bone] Richrath W, et al.
HNO 17:113-5, Apr 69 (Ger)
[Case of chordoma of the clivus] Bassi P, et al.
Ann Radiol Diagn (Bologna) 42:415-23, Sep 69 (Ita)
[Maxillo-ethmoidal ameloblastoma (case report and considerations on classification)] Leonardelli GB, et al. Arch Ital Otol 80:154-62, May-Jun 69 (Ita)
[Osseous metastases of neoplasms of the testis. (Clinico-radiological considerations)] Donati E.
Radiobiol Radioter Fis Med 24:311-23, Sep-Oct 69 (Ita)
Osteoblastoclastoma of the temporal bone] Lutsenko VA.
Zh Ushn Nos Gorl Bolezn 31:87-8, May-Jun 71 (Rus)
[Giant fibroma of the mastoid process] Makukha AL, et al. Zh Ushn Nos Gorl Bolezn 30:97-8, May-Jun 70 (Rus)
[Giant craniopharyngioma in an aged patient] Revskoĭ IuK, et al.
Zh Ushn Nos Gorl Bolezn 30:106-8, Jul-Aug 70 (Rus)
[Diploë and fronto-orbital epidermoids] Obrador S, et al.
Rev Esp Otoneurooftalmol Neurocir 28:143-51, 1969-70 (Spa)

COMPLICATIONS

Numb-chin syndrome. Simpson JF.
Lancet 2:1366, 26 Dec 70
See saw nystagmus. Arnott EJ, et al.
Trans Ophthalmol Soc UK 90:491-6, 1970
[An ossifying cavernous hemangioma of the chief nasal cavity and the ethmoidal cells] Steinbach E.
HNO 18:354-6, Nov 70 (Ger)
[On a case of Recklinghausen's neurofibromatosis] Depiano A, et al. Cancro 22:569-78, 1969 (Ita)
[A case of neuroblastoma starting with unilateral proptosis] Terao S.
Folia Ophthalmol Jap 22:65-9, Feb 71 (Jap)
[Case of Collet-Sicard syndrome due to metastasis of prostatic cancer] Onishi A, et al.
Naika 26:755-7, Oct 70 (Jap)
[Hyperostosis associated with osteoma of the frontal bone followed by interesting visual field disorder] Fukuda T, et al.
Ophthalmology (Tokyo) 13:533-9, May 71 (Jap)
[Occurrence of pupillary disorders in intracranial tumors] Swietliczko I. Klin Oczna 40:767-72, 1970 (Pol)

DIAGNOSIS

Prostatic metastasis to the base of the skull simulating meningioma en plaque. Kirkwood JR, et al.
Am J Roentgenol Radium Ther Nucl Med 112:774-8, Aug 71
Thyroid metastases diagnosed by 99m Tc scanning. A case report. Wiener SN, et al.
J Can Assoc Radiol 21:190-1, Sep 70
Cylindroma in the region of the gasserian ganglion. Case report. Fortuna A, et al.
J Neurosurg 34:427-31, Mar 71
Angiofibroma of the middle cranial fossa. Case report. Iyer GV, et al. J Neurosurg 35:90-4, Jul 71
Extracalvarial meningiomas (2 cases). Waga S, et al.
Neurology (Minneap) 20:368-72, Apr 70
[Retroauricular osteochondroma] Tesařík J, et al.
Cesk Otolaryngol 20:90-2, Apr 71 (Cze)
[Scintigraphy of tumors in the head and neck area] Hör G, et al. DDZ 25:204-6 passim, Jun 71 (Ger)
[Plasmacytoma of the mastoid] Benning CD.
HNO 19:245-6, Aug 71 (Ger)
[Scintigraphy in the differential diagnosis of cranial osteoma and calcified meningioma. Cervical adenolymphoscintigraphy] Di Lauro E, et al.
Arch Ital Laringol 76:317-20, Sep-Oct 68 (Ita)
[Solitary chondroma of the skull base--report of an autopsy case presenting Garcin's syndrome and review of literature] Takahashi A, et al.
Brain Nerve (Tokyo) 23:381-90, Apr 71 (Jap)
[Case of metastatic cancer of the temporal bone simulating acoustic nerve tumor] Hozawa J, et al.
Otolaryngology (Tokyo) 43:521-5, 1971 (Jap)
[Some unusual clinico-radiological aspects in infiltrative tumors of the cranial base] Piros F, et al.
Neurol Psihiatr Neurochir 15:419-28, Sep-Oct 70 (Rum)
[Diagnosis of malignant tumors of paranasal and nasopharyngeal sinuses, proliferating into the orbit and the base of the skull] Kalina VO, et al.
Zh Ushn Nos Gorl Bolezn 29:97-101, Jul-Aug 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ETIOLOGY

[Unilateral exophthalmia caused by the sarcomatous degeneration of Paget's bone disease] Ravault MP, et al. Bull Soc Ophtalmol Fr 70:509-11, Apr 70 (Fre)

IMMUNOLOGY

Multiple myeloma without M-type proteinemia. Report of a case with immunologic and ultrastructure studies. Gach J, et al. Am J Med 50:835-44, Jun 71

OCCURRENCE

Head and neck metastases from renal carcinomas. Boles R, et al. Mich Med 70:616-8, Jul 71

PATHOLOGY

Invasion of the brain by a cellular blue nevus of the scalp. A case report with light and electron microscopic studies. Silverberg GD, et al. Cancer 27:349-55, Feb 71

Primary non-skeletal intracranial cartilaginous neoplasms: report of a chondroma and a mesenchymal chondrosarcoma. Wu WQ, et al. J Neurol Neurosurg Psychiatry 33:469-75, Aug 70

Calvarial hemangioma with blood supply from branches of the internal carotid artery. Case report. Atallah NK, et al. J Neurosurg 34:823-6, Jun 71

Intracranial midline anterior fossae ossifying fibroma invading orbits, paranasal sinuses, and right maxillary antrum. Case report. Scott M, et al. J Neurosurg 34:827-31, Jun 71

Ecchordosis physaliphora. An electron microscopic study. Wyatt RB, et al. J Neurosurg 34:672-7, May 71

[Extramedullary plasmacytoma with unusual organ localization] Lehmann K, et al. Dtsch Gesundheitsw 26:469-70, 4 Mar 71 (Ger)

[Ultrastructure of human chordomas] Soffer D, et al. Pathol Eur 5:420-41, 1970 (Ger)

[A case of malignant hemangio-endothelioma with metastasis to the cranium, humerus and rib] Mizusawa K. Folia Ophthalmol Jap 22:277-80, Apr 71 (Jap)

RADIOGRAPHY

The blood supply of chemodectomas of the head and neck: report of two cases. el-Gammal T. Br J Radiol 44:515-8, Jul 71

Plasmacytoma of the skull base. Toland J, et al. Clin Radiol 22:93-6, Jan 71

Radiology mediquiz. Case 2. Meidinger R, et al. Med Times 99:103 passim, Mar 71

Basal-cell carcinoma of head and neck: radiologic evaluation and value of angiography. Firooznia H, et al. NY State J Med 71:429-32, 15 Feb 71

The dissemination of tumors of the head and neck via the cranial nerves. Dodd GD, et al. Radiol Clin North Am 8:445-61, Dec 70 (61 ref.)

Tumors involving the temporal bone. Goldman AM, et al. Radiol Clin North Am 8:387-402, Dec 70 (12 ref.)

Angiography in neoplasms of the head and neck. Medellin H, et al. Radiol Clin North Am 8:307-21, Dec 70 (28 ref.)

Button sequestrum revisited. Sholkoff SD, et al. Radiology 100:649-52, Sep 71

Radiographic diagnosis of meningioma. Buchtel BC, et al. South Med J 64:973-7, Aug 71

[Direct radiologic aspects of intracranial meningioma] Appel L. J Belge Radiol 53:105-18, Mar-Apr 70 (Fre)

[Skull tomography in trans-maxillary oblique projection. A simple and versatile setting] Reisner K. Fortschr Geb Roentgenstr Nuklearmed 113:269-77, Sep 70 (Ger)

[Retrograde presentation of the jugular vein in combination with tomography in tumors of the base of the skull] Betz H, et al. Radiologe 10:475-7, Dec 70 (Ger)

[The parasellar and infrasellar tumors] Psenner L. Radiologe 10:437-40, Nov 70 (Ger)

[Skull tumors with brain tumor symptoms] Kretschmer H. Zentralbl Neurochir 31:247-71, 1970 (Ger)

[Unusual radiologic picture of cranial cholesteatoma] Gaudino F, et al. Ann Radiol Diagn (Bologna) 42:177-200, 1969 (Ita)

[Osseous metastases with unusual radiological aspects] Bottero G. Minerva Radiol 15:194-8, Jul-Aug 70 (Ita)

RADIOTHERAPY

Retropharyngeal spread of carcinoma of the thyroid. McCormack KR, et al. Cancer 26:1366-9, Dec 70

SURGERY

Transcervical removal of a clivus chordoma in a 2-year-old child. Reversal of quadriplegia and bulbar paralysis. Bartal AD, et al. Acta Neurochir (Wien) 23:127-33, 1970

Removal of a large frontoethmoid osteoma. Cassady CL, et al. Arch Otolaryngol 93:81-2, Jan 71

Skull reconstruction with bone dust. Shehadi SI. Br J Plast Surg 23:227-34, Jul 70

Solitary plasmacytoma in the cranial cavity. Case report. Chang SC, et al. J Neurosurg 33:471-4, Oct 70

Total removal of large global meningiomas at the medial aspect of the sphenoid ridge. Technical note. Cook AW. J Neurosurg 34:107-13, Jan 71

[Ethmoido-frontal osteoma treated by verified attrition using a bur drill] Bourdial J, et al. Ann Otolaryngol Chir Cervicofac 87:824-7, Dec 70 (Fre)

[Is it necessary to operate on meningioma "en plaque" of the sphenoid bone?] Guiot G, et al. Minerva Neurochir 14:293-304, 1970 (Fre)

[A meningioma of the sella turcica, subdiaphragmatic variety. Exeresis through the transsphenoidal route] Hardy J, et al. Neurochirurgie 15:535-43, Dec 69 (Fre)

[The intracranial approach to tumors of the ethmoid bone] Gosserez M, et al. Rev Otoneuroophtalmol 42:287-93, Jul-Aug 70 (Fre)

[Cutaneous epithelioma of the orbital region, recurring in depth and invading the osseous and intracranial tissues] Reali UM, et al. Osp Ital Chir 21:299-309, Oct 69 (Ita)

[Surgical management of arachnoendotheliomas of the alae of the os basilare] Ugriumov VM, et al. Vopr Neirokhir 34:32-6, Nov-Dec 70 (Rus)

THERAPY

[Therapeutic indications in ethmoido-maxillary neoplasms] J Fr Otorhinolaryngol 20:561-82, Apr 71 (Fre)

[Treatment of patients with intracerebral spread of juvenile nasopharyngeal angiofibroma] Manuilov EN, et al. Vestn Otorinolaringol 32:35-9, Nov-Dec 70 (Rus)

SLAUGHTERHOUSES see ABATTOIRS (J)

SLEEP (F1, G1)

Cerebral responses to repetitive photic stimulation during waking and sleep in children. Vítová Z, et al. Act Nerv Super (Praha) 12:295-303, 1970

Functional properties of the ventrolateral thalamic nucleus during natural sleep and wakefulness. Favale E. Acta Neurol Belg 70:646-54, 1970

Objective (E.R.A.) and subjective (C.O.R.) audiometry in the infant. Tyberghein J, et al. Acta Otolaryngol (Stockh) 71:249-52, Feb-Mar 71

A quantitative analysis of the EEG during sleep in normal subjects. Goldstein L, et al. Acta Physiol Acad Sci Hung 37:291-300, 1970

Neuroendocrine and metabolic responses to intermittent night shift work. Hale HB, et al. Aerosp Med 42:156-62, Feb 71

Sleep and wake states in the Biosatellite 3 monkey: visual and computer analysis of telemetered electroencephalographic data from earth orbital flight. Hanley J, et al. Aerosp Med 42:304-13, Mar 71

Sleep-wake activity patterns of a Macaca nemestrina monkey during nine days of weightlessness. Hoshizaki T, et al. Aerosp Med 42:288-95, Mar 71

Aquanaut sleep patterns during tektite I: a 60-day habitation under hyperbaric nitrogen saturation. Naitoh P, et al. Aerosp Med 42:69-77, Jan 71

Effect of time zone changes on the sleep patterns of BOACB. 707 crews on world-wide schedules. Preston FS, et al. Aerosp Med 41:1409-15, Dec 70

Effect on sleep of a sleep period time displacement. Webb WB, et al. Aerosp Med 42:152-5, Feb 71

Hippus and other spontaneous rhythmic pupillary waves. Yoss RE, et al. Am J Ophthalmol 70:935-41, Dec 70

Vasomotor regulation during sleep in the cat. Mancia G, et al. Am J Physiol 220:1066-93, Apr 71

Effects of anesthesia and sleep on circulatory response to carotid sinus nerve stimulation. Vatner SF, et al. Am J Physiol 220:1249-55, May 71

Sleep: physiology and pathology. Adams GL. Am J Psychiatry 127:973-4, Jan 71

Clinical application of sleep research. Dement WC. Am J Psychiatry 127:974, Jan 71

REM and SWS sleep: a clear division? Flemenbaum A. Am J Psychiatry 128:367, Sep 71

Sleep need: how much sleep and what kind? Hartmann E, et al. Am J Psychiatry 127:1001-8, Feb 71

Sleep and other behaviours of the red kangaroo (Megaleia rufa). Cicala GA, et al. Anim Behav 18:787-90, Nov 70

Reported vs recorded sleep characteristics. Baekeland F, et al. Arch Gen Psychiatry 24:548-51, Jun 71

Behavioral and EEG criteria of sleep in humans. Comparison using radiotelemetry. Erwin CW, et al. Arch Gen Psychiatry 23:375-7, Oct 70

Methods for assessing human sleep. Johns MW. Arch Intern Med 127:484-92, Mar 71 (64 ref.)

The digastric reflex in the kitten and adult cat: paradoxical amplitude fluctuations during sleep and wakefulness. Chase MH. Arch Ital Biol 108:403-22, Aug 70

Oscillatory potentials in the lateral geniculate nucleus during sleep and wakefulness. Ghelarducci B, et al. Arch Ital Biol 109:37-58, Apr 71

Sleep and environmental temperature. Parmeggiani PL, et al. Arch Ital Biol 108:369-87, Apr 70

Effect of sleep on the early components of the averaged electroencephalic response. Mendel MI, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:110-5, 1971

Eye movements during sleep. I. The pattern in the normal human. Jacobs L, et al. Arch Neurol 25:151-9, Aug 71

Subclinical "electrical status epilepticus" induced by sleep in children. A clinical and electroencephalographic study of six cases. Patry G, et al. Arch Neurol 24:242-52, Mar 71

Relationship between stages of sleep and gastric motility. Yaryura-Tobias JA, et al. Behav Neuropsychiatry 2:22-4, Oct-Nov 70

Auditory responsivity in the human premature. Monod N, et al. Biol Neonate 17:292-316, 1971

Sleep and dream studies in obsessional neurosis with particular reference to epileptic states. Epstein AW, et al. Biol Psychiatry 3:149-58, 1971

The effects of naps on nocturnal sleep: influence on the need for stage-1 REM and stage 4 sleep. Karacan I, et al. Biol Psychiatry 2:391-9, Oct 70

Changes in stage 1-REM and stage 4 sleep during naps. Karacan I, et al. Biol Psychiatry 2:261-5, Jul 70

Time estimation during sleep. Zung WW, et al. Biol Psychiatry 3:159-64, 1971

The effect of electrical sleep on the viscosity of blood. Magora F, et al. Br J Anaesth 42:1085-8, Dec 70

A clinical study of hypnagogic hallucinations. McDonald C. Br J Psychiatry 118:543-7, May 71

Sleep of enuretics. Evans JI. Br Med J 3:110, 10 Jul 71

Living it up with Concorde. Nicholson AN, et al. Br Med J 4:242, 24 Oct 70

Unitary responses in somatic relay nuclei during sleep and wakefulness. Benoit O. Brain Res 31:373-4, 20 Aug 71

Effect of crossed-perfusion of the midbrain reticular formation upon sleep. Drucker-Colin RP, et al. Brain Res 23:269-73, 13 Oct 70

Modification of the responses evoked in the cerebellar cortex by limb nerve stimulation during wakefulness and sleep. Marchesi GF, et al. Brain Res 18:557-9, 17 Mar 70

Steady potential correlates of positive reinforcement and sleep onset in the cat; 'reward contingent positive variation' (RCPV). Marczynski TJ, et al. Brain Res 26:305-32, 5 Mar 71

Firing variability in cat association cortex during sleep and wakefulness. Noda H, et al. Brain Res 18:513-26, 17 Mar 70

Clustered firing in the cerebello-thalamic pathway during synchronized sleep. Steriade M, et al. Brain Res 26:425-32, 5 Mar 71

Changing concepts on the control of growth hormone secretion in man. VanderLaan WP. Calif Med 115:38-46, Aug 71 (57 ref.)

Heart-rate variability in sleep and wakefulness. Burdick JA, et al. Cardiology 55:79-83, 1970

The behavioral arousal threshold in infant sleep as a function of time and sleep state. Schmidt K, et al. Child Dev 42:269-77, Mar 71

Sleep and sleep disturbances in young children. Sensible management depends upon understanding. Battle CU. Clin Pediatr (Phila) 9:675-82, Nov 70

Reported sleep characteristics: effects of age, sleep length and psychiatric impairment. Baekeland F, et al. Compr Psychiatry 12:141-7, Mar 71

Electrical activity of human limbic system during sleep. Freemon FR, et al. Compr Psychiatry 11:544-51, Nov 70

Neural integrations in the substrate for sleep and vigilance. Desiraju T. Curr Mod Biol 4:1-11, May 71

The relation of respiration rate and heart rate to sleep states in the human newborn. Ashton R, et al. Dev Med Child Neurol 13:180-7, Apr 71

The development of innate sleep rhythms in short gestation infants. Goldie L, et al. Dev Med Child Neurol 13:40-50, Feb 71

Chlorprothixene-enforced sleep for newly admitted patients with acute mental decompensation. Felger HL. Dis Nerv Syst 32:46-51, Jan 71

Medical and psychiatric use of electrosleep. Transcerebral electrotherapy. Koegler RR, et al. Dis Nerv Syst 32:100-4, Feb 71

Electropolygraphic studies of sleep in spasmophilia. Aggian B, et al. Electroencephalogr Clin Neurophysiol 30:358, Apr 71

The correlation of heart and respiratory frequency in natural sleep of man and their relation to dream content. Baust W, et al. Electroencephalogr Clin Neurophysiol 30:262-3, Mar 71

The effects of total sleep deprivation in narcoleptics. Berti Ceroni G, et al. Electroencephalogr Clin Neurophysiol 30:373, Apr 71

Laboratory note. Arterial pressure changes during spontaneous sleep in man. Coccagna G, et al. Electroencephalogr Clin Neurophysiol 31:277-81, Sep 71

The polygraphic study of the spontaneous EDG and the stages of sleep in premature babies. Curzi-Dascalova L, et al. Electroencephalogr Clin Neurophysiol 30:373, Apr 71

The application of pattern recognition techniques to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the scoring of EEG sleep patterns. Drane DB, et al.
Electroencephalogr Clin Neurophysiol 30:94-5, Jan 71
Determination of sleep stages with the EEG interval spectrum analyser (EISA of Tönnies) and tests of its reliability. Gottschaldt M, et al.
Electroencephalogr Clin Neurophysiol 30:263, Mar 71
Cortical unit activity in sleep and waking. Hobson JA, et al.
Electroencephalogr Clin Neurophysiol 30:97-112, Feb 71
Electroencephalographic correlates of sleep in rats. Irmiš F, et al.
Electroencephalogr Clin Neurophysiol 30:276, Mar 71
Digital computer-analyzed resting and sleep EEGs (sleep prints) after hemispherectomy in man. Itil TM, et al.
Electroencephalogr Clin Neurophysiol 30:457-61, May 71
Variations in amygdalo-hippocampal evoked responses in cats in connection with the states of arousal, slow wave sleep and paradoxical sleep. Kreindler A, et al.
Electroencephalogr Clin Neurophysiol 30:360, Apr 71
Lambda waves during sleep. Kugler J, et al.
Electroencephalogr Clin Neurophysiol 30:168, Feb 71
Noctural sleep during porto-caval encephalopathy. Kurtz D, et al.
Electroencephalogr Clin Neurophysiol 29:536, Nov 70
Multi-channel EEG field analysis: sleep and wakefulness in humans. Lehmann D, et al.
Electroencephalogr Clin Neurophysiol 30:271, Mar 71
A system for quantifying EEG slow wave activity. Lessard CS, et al.
Electroencephalogr Clin Neurophysiol 29:516-20, Nov 70
The sleep cycle and subcortical-cortical EEG relations to the unrestrained chimpanzee. McNew JJ, et al.
Electroencephalogr Clin Neurophysiol 30:489-503, Jun 71
Recruiting responses following splitting of the brain-stem in cats. Mancia M, et al.
Electroencephalogr Clin Neurophysiol 31:259-68, Sep 71
Auditory reactivity during sleep in the premature human. Monod N, et al.
Electroencephalogr Clin Neurophysiol 29:535, Nov 70
Electropolygraphic studies of sleep in certain forms of epilepsy. Popoviciu L, et al.
Electroencephalogr Clin Neurophysiol 30:361, Apr 71
On the origin of motor and autonomic automatisms during sleep and their possible relationship with epilepsy. Popoviciu L, et al.
Electroencephalogr Clin Neurophysiol 30:373-3, Apr 71
The clinical, EEG and polygraphic study of sleep in spasmophilia; its relation with epilepsy, organic disease of the nervous system and neuroses. Popoviciu L, et al.
Electroencephalogr Clin Neurophysiol 30:373, Apr 71
Sleep EEG and uraemia. Reichenmiller HE, et al.
Electroencephalogr Clin Neurophysiol 30:263-4, Mar 71
A period analysis classification of sleep stages. Roessler R, et al.
Electroencephalogr Clin Neurophysiol 29:358-62, Oct 70
Day-time sleep and experimental sensory deprivation in the normal subject. Salzarulo P.
Electroencephalogr Clin Neurophysiol 30:373, Apr 71
Attempt at an automatic description of an EEG derivation during standard sleep recording. Samson-Dollfus D, et al.
Electroencephalogr Clin Neurophysiol 30:370, Apr 71
EEG sleep stage scoring by an automatic hybrid system. Smith JR, et al.
Electroencephalogr Clin Neurophysiol 31:231-7, Sep 71
The change in frequency of rapid eye movements in normal human sleep. Thomas J, et al.
Electroencephalogr Clin Neurophysiol 30:253, Mar 71
Two sleep records obtained during the course of Jakob Creutzfeldt disease. Vitrey M, et al.
Electroencephalogr Clin Neurophysiol 30:253-4, Mar 71
Neonatal sleep patterns. Weinmann HM.
Electroencephalogr Clin Neurophysiol 30:167, Feb 71
The evolution of different types of myoclonus during sleep. A polygraphic study. Lugaresi E, et al.
Eur Neurol 4:321-31, 1970
Somato-sympathetic reflexes during natural sleep and wakefulness in unrestrained cats. Baust W, et al.
Exp Brain Res 112:361-9, 26 May 71
Effects of food deprivation on sleep and wakefulness in the rat. Jacobs BL, et al. Exp Neurol 30:212-22, Feb 71
Maintained and evoked unit activity in the mesencephalic reticular formation of the freely behaving cat. Kasamatsu T.
Exp Neurol 28:450-70, Sep 70
Lateral geniculate spikes in sleeping, awake, and reserpine-treated cats: correlated excitability changes in superior colliculus and related structures. Munson JB, et al. Exp Neurol 31:326-36, Jun 71
Sleep induced by focal brain suppression using anesthetic gases. Wilkinson HA, et al.
Exp Neurol 30:30-3, Jan 71
Effects of vaginal stimulation on hypothalamic single units in unanesthetized rabbits. Vincent JD, et al.
Experientia 26:1266-7, 15 Nov 70
On the causes and treatment of snoring.
Eye Ear Nose Throat Mon 50:75-9, Feb 71
Sleep of unrestrained chimpanzee: differences between first and last rapid eye movement periods. Freemon FR, et al.
Folia Primatol (Basel) 13:144-9, 1970
An electroencephalographic study of nocturnal sleep in the epileptic patients. Kazamatsuri H, et al.
Folia Psychiatr Neurol Jap 24:1-22, 1970
Handling a bedtime problem in a children's unit. Golightly R, et al.
Hosp Community Psychiatry 22:225, Jul 71
Automatic detection of the K-complex in sleep electroencephalograms. Bremer G, et al.
IEEE Trans Biomed Eng 17:314-23, Oct 70
Suppression of cerebellar evoked responses in cerebral cortex during drowsiness in squirrel monkeys. (Saimiri maderae jurusanus). Grimm RJ, et al.
Int J Neurol 7:113-25, 1970
Evening activity, sleep mentation, and subjective sleep quality. Hauri P. J Abnorm Psychol 76:270-5, Oct 70
Sleep patterns of asthmaticchildren: all-night electroencephalographic studies. Kales A, et al.
J Allergy 46:300-8, Nov 70
Rumen development in lambs. II. Rumen metabolite changes. Poe SE, et al. J Anim Sci 32:989-93, May 71
Prolonged external pressure as a cause of eschaemic contracture. Conner AN.
J Bone Joint Surg [Br] 53:118-22, Feb 71
Sucking movements during sleep in the newborn baby. Goldie L, et al.
J Child Psychol Psychiatry 11:207-11, Dec 70
Behavioral state, sleep stage and growth hormone levels in human infants. Finkelstein JW, et al.
J Clin Endocrinol Metab 32:368-71, Mar 71
Experimental modification of the sleep-induced peak of growth hormone secretion. Lucke C, et al.
J Clin Endocrinol Metab 32:729-36, Jun 71
Human growth hormone release in sleep: nonsuppression by acute hyperglycemia. Parker DC, et al. J Clin Endocrinol Metab 32:65-9, Jan 71
Growth hormone secretion during sleep: impairment in glucose tolerance and nonsuppressibility by hyperglycemia. Schnure JJ, et al.
J Clin Endocrinol Metab 33:234-41, Aug 71
Human growth hormone release in sleep: effect of daytime exercise. Zir LM, et al.
J Clin Endocrinol Metab 32:663-5, May 71
Habituation of the arousal response in rats. Leaton RN, et al. J Comp Physiol Psychol 75:430-4, Jun 71
Variation in plasma testosterone levels during sleep. Ismail AA, et al. J Endocrinol 48:xii-xiii, Dec 70
Effect of sleep on memory. II. Differential effect of the first and second half of the night. Yaroush R, et al.
J Exp Psychol 88:361-6, Jun 71
The frequency of sleep talking in the laboratory among chronic sleep talkers and good dream recallers. Arkin AM, et al. J Nerv Ment Dis 151:369-74, Dec 70
The degree of concordance between the content of sleep talking and mentation recalled in wakefulness. Arkin AM, et al. J Nerv Ment Dis 151:375-93, Dec 70
Comparison between electroencephalographic and systematic nursing observations of sleep in psychiatric patients. Kupfer DJ, et al.
J Nerv Ment Dis 151:361-8, Dec 70
Sleep patterns in depression. Longitudinal study of six patients and brief review of literature. Lowy FH, et al.
J Nerv Ment Dis 153:10-26, Jul 71
Control of unitary activities in cerebellothalamic pathway during wakefulness and synchronized sleep. Steriade M, et al. J Neurophysiol 34:389-413, May 71
Relationship between the visual evoked response and the pontogeniculo-occipital spike during natural sleep in the cat. Sato T. J Physiol Soc Jap 32:688-9, 1970
Sleep patterns, daytime activity, weight changes and psychiatric status: a study of three obese patients. Crisp AH, et al. J Psychosom Res 14:353-8, Sep 70
Music at night. An experiment in a geriatric ward. Strang CD. J R Coll Gen Pract 20:346-7, Oct 70
Sleeping threshold change causing failure of artificial cardiac pacing. Somerndike JM, et al.
JAMA 215:980, 8 Feb 71
Skin potential activities and their regional differences during normal sleep in humans. Hori T, et al.
Jap J Physiol 20:657-71, 15 Dec 70
Epileptic death due to suffocation during sleep. Worster-Drought C. Lancet 2:876, 24 Oct 70
The design of a motility bed including its calibration for the subject's weight. Crisp AH, et al.
Med Biol Eng 8:455-63, Sep 70
Automatic detection of sleep spindles by analysis of harmonic components. Sciarretta G, et al.
Med Biol Eng 8:517-9, Sep 70
Implications of growth hormone release in sleep. VanderLaan WP, et al. Metabolism 19:891-7, Oct 70
Concentrations of plasma testosterone in normal men during sleep. Evans JI, et al.
Nature (Lond) 229:261-2, 22 Jan 71
Growth hormone in newborn infants during sleep-wake periods. Shaywitz BA, et al. Pediatrics 48:103-9, Jul 71
Vigilance before and after sleep. Baekeland F, et al.
Percept Mot Skills 31:583-6, Oct 70
Sleep stage characteristics of extended sleep in normal Ss. Phoebus E, et al. Percept Mot Skills 31:526, Oct 70
An observational study of sleep of the aged. Webb WB, et al. Percept Mot Skills 32:895-8, Jun 71
Mossy and climbing fiber activity during phasic and tonic phenomena of sleep. Marchesi GF, et al.
Pflugers Arch 323:219-40, 1971
The level of vigilance and the EEG manifestations of cortical cobalt foci in rats. Chocholová L, et al.
Physiol Bohemoslov 19:385-96, 1970
The relationship between sleep, nutrition and mood: a study of patients with anorexia nervosa. Crisp AH, et al. Postgrad Med J 47:207-13, Apr 71
EEG patterns in sleep and wakefulness in high spinal cord injuries. Adey WR.
Proc Annu Clin Spinal Cord Inj Conf 16:2-9, 1967
Circulating levels of plasma testosterone during sleep. Evans JI, et al. Proc R Soc Med 64:841-2, Aug 71
Relationship of central respiratory disturbances to sleep and disorders of consciousness. Strang FA.
Proc R Soc Med 64:484-9, May 71
Emergence of a tonic-phasic model for sleep and dreaming: behavioral and physiological observations. Grosser GS, et al. Psychol Bull 75:60-72, Jan 71
Sleep cycles and skin potential in newborns studies with a simplified observation and recording system. Bell RQ. Psychophysiology 6:778-86, May 70
The influence of evening activity on the onset of sleep. Hauri P. Psychophysiology 5:426-30, Jan 69
EEG and autonomic response pattern during waking and sleep stages. Keefe FB, et al.
Psychophysiology 8:198-212, Mar 71
Sleep of night workers: EEG recordings. Kripke DF, et al. Psychophysiology 7:377-84, Nov 70
Sleep analysis and a simple technique for selective deprivation of low-voltage fast-wave sleep in a species of deermouse P. m. bairdi. Mitler MM, et al.
Psychophysiology 7:112-20, Jul 70
Home and laboratory dreams collected under uniform sampling conditions. Weisz R, et al.
Psychophysiology 6:588-96, Mar 70
Sleep mentation and auditory awakening thresholds. Zimmerman WB. Psychophysiology 6:540-9, Mar 70
A stereotaxic method for repeated sessions of central unit recording in the paralyzed or moving animal. Lamarre Y, et al. Rev Can Biol 29:371-6, Dec 70
Bispectrum analysis of electroencephalogram signals during waking and sleeping. Barnett TP, et al.
Science 172:401-2, 23 Apr 71
Changes of simple and complex spike activity of cerebellar purkinje cells with sleep and waking. Mano N. Science 170:1325-7, 18 Dec 70
Sleep stage and personality characteristics of "natural" long and short sleepers. Webb WB, et al.
Science 171:587-8, 12 Feb 71
The pattern of human eye movements during sleep. Jacobs LD, et al. Trans Am Neurol Assoc 95:114-9, 1970
Time zone disruption and sleep patterns in pilots. Preston FS. Trans Soc Occup Med 20:77-86, Jul 70
[Sleep] S Afr Med J 44:1106, 3 Oct 70 (Afr)
[Correlations between protein synthesis and serotonin in various activities of the central nervous system. (Slow and desynchronized sleep, learning and memory, sexual activity, morphine tolerance, aggressivity, Na gammahydroxybutyrate pharmacology] Laborit H.
Agressologie 12:9-23, 1971 (Fre)
[Effect of peripheral deafferentiation on the sleep-waking cycle in the cat] Vital-Durand F, et al.
Arch Ital Biol 109:166-86, Jun 71 (Fre)
[Problems raised by the sleep debt, sleep reserve and sleep adaptation while crossing time meridians] Fischgold H. Arch Mal Prof 32:395-6, Apr-May 71 (Fre)
[Practical value of polygraphic recording of sleep in man] Favarel-Garrigues B.
Bord Med 3:2437-8, Oct 70 (Fre)
[Study on automatic analysis and quantification of the diverse states of wakefulness and sleep in the rat] Gottesmann C, et al.
C R Acad Sci [D] (Paris) 272:301-2, 11 Jan 71 (Fre)
[Bulbar effects of soporific vago-aortic stimulation] Puizillout JJ, et al.
C R Soc Biol (Paris) 164:1783-91, 1970 (Fre)
[Stages of sleep in the horse (Equus caballus)] Ruckebusch Y, et al.
C R Soc Biol (Paris) 164:658-65, 1970 (Fre)
[Contributions to the study of the physiology of wakeful and sleep states] Cordeau JP.
Can Med Assoc J 103:879-84, 17 Oct 70 (33 ref.) (Fre)
[Automatic analysis of polygraphic sleep recordings] Gaillard JM, et al.
Electroencephalogr Clin Neurophysiol 30:557-61, Jun 71 (Fre)
[Night sleep in chronic uremics under extrarenal purification] Passouant P, et al.
Electroencephalogr Clin Neurophysiol 29:441-9, Nov 70 (Fre)
[Electroencephalographic and polygraphic study of afternoon sleep in normal subjects] Salzarulo P.
Electroencephalogr Clin Neurophysiol 30:399-407, May 71 (Fre)
[Sleep-wakefulness in white female rats during the circadian and estrus cycles] Barbe L, et al.
J Physiol (Paris) 1:Suppl 1:84, 1969 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Repetitive neuronal discharge in slow and paradoxical sleep] Benoit O, et al.
J Physiol (Paris) 62:Suppl 2:245, 1970 (Fre)
[Specification of a phase of drowsiness during natural sleep in the cat] Corvisier J, et al.
J Physiol (Paris) 1:Suppl 1:110-1, 1969 (Fre)
[Automatic analysis of wake-sleep states in rats] Gottesmann C, et al.
J Physiol (Paris) 63:55A-56A, Mar-Apr 71 (Fre)
[Effects of the ablation of primary cortical areas on changes, during sleep, of evoked responses at the level of the extralemniscal system by different sensorial modalities] Guilbaud G, et al.
J Physiol (Paris) 62:Suppl 3:385-6, 1970 (Fre)
[Inhibition of GABA transaminase and wake-sleep behaior in rats] Juan de Mendoza JL, et al.
J Physiol (Paris) 63:63A-64A, Mar-Apr 71 (Fre)
[Spontaneous and rhythms spindles of the cat primary visual area during different stages of wakefulness and sleep] Lanoir J, et al.
J Physiol (Paris) 62:Suppl 3:399+, 1970 (Fre)
[Effects of the ablation of different cortical areas on variations of amplitude of the P wave of spinal cord potential during different wakefulness and sleep states] Ménetrey D, et al.
J Physiol (Paris) 62:Suppl 3:413, 1970 (Fre)
[Behavior and somato-vegetative peculiarities of sleep states in Equidae (Equus caballus) and bovines (Bos taurus)] Ruckebusch Y.
J Physiol (Paris) 62:Suppl 2:311, 1970 (Fre)
[Electrophysiological study, by telemetry, of the ventral tegmental area during sleep in rats] Stinus L, et al. J Physiol (Paris) 62:Suppl 2:320-1, 1970 (Fre)
[Study of sleep in C57BR-cd and CBA mice] Valatx JL.
J Physiol (Paris) 62:Suppl 2:325-6, 1970 (Fre)
[Effects of sensory deafferentation on the wakefulness-sleep cycle] Vital-Durand F, et al.
J Physiol (Paris) 1:Suppl 1:186, 1969 (Fre)
[Somato-autonomic manifestations of sleep in ruminants] Ruckebusch Y.
Maroc Med 48:590-3, Oct 68 (Fre)
[Problems presented by the rhythm wakefulness--sleep in the course of cosmic flights] Chemin P.
Rev Corps Sante Armees 10:575-84, Oct 69 (Fre)
[EDG spontaneous activity and sleep stages in premature infants. Polygraphic study] Curzi-Dascalova L, et al.
Rev Neurol (Paris) 123:231-9, Oct 70 (Fre)
[Auditory reactivity during sleep in premature infants] Monod N, et al.
Rev Neurol (Paris) 122:452-3, Jun 70 (Fre)
[Cataplexy associated with Gélineau's disease; effect of clomipramine] Passouant P, et al.
Rev Neurol (Paris) 123:56-60, Jul 70 (Fre)
[Clinical, electroencephalographic and polygraphic studies of sleep in spasmophilia. Relation of spasmophilia to epilepsy, organic diseases of the nervous system, and neuroses] Rpopoviciu L, et al.
Rev Neurol (Paris) 123:266-7, Oct 70 (Fre)
[Day sleep and experimental sensory deprivation: data concerning the "eye movement phase"] Salzarulo P.
Rev Neurol (Paris) 123:356-62, Nov 70 (Fre)
[Sleep therapy in child and adolescent psychiatry. Methodologic statistics of 10 year's study] Faure H.
Rev Neuropsychiatr Infant Suppl:37-41, 1968 (Fre)
[On the thermolytic role of serotonin correlated with the thermoregulatory and hypnogenic functions of marmots and rats] Benetato G, et al.
Rev Roum Physiol 7:181-97, 1970 (Fre)
[Various substances and substance classes with inductive properties. I. Aminoketones and aminoalcohols] Grübner I, et al.
Arch Int Pharmacodyn Ther 191:37-43, May 71 (Ger)
[Influence of acoustic stimuli on the EEG activity, heart rate and respiratory mechanically measured data during sleep] Otto E.
Dtsch Gesundheitsw 25:1661-8, 27 Aug 70 (Ger)
[Frequency coordination of heart beat and respiration during night sleep, as a function of daytime effort] Pöllmann L, et al.
Int Z Angew Physiol 28:273-91, 1970 (Ger)
[Phasic changes in heart rate following acoustic stimuli during natural human sleep] Baust W, et al.
Pflugers Arch 324:165-75, 1971 (Ger)
[Sleeping habits, sleep disorders and use of soporifics in a residential section of Berlin] Feuerhahn G, et al.
Psychiatr Neurol Med Psychol (Leipz) 22:182-5, May 70 (Ger)
[Effect of the first examination night on erections during sleep] Jovanović UJ.
Psychother Psychosom 17:295-308, 1969 (Ger)
[Night sleep studies and their value in dentistry: experimental electromyographic studies] Fuchs P.
Schweiz Monatsschr Zahnheilkd 81:845-62, Jul 71 (Ger)
[A form of music and its biological function. Mode of action of the lullaby] Kneutgen J.
Z Exp Angew Psychol 17:245-65, 1970 (Ger)
[A case of "sleep epilepsy" associated with hyperplasia of hippocampal formations] Liebaldt GP.
Z Neurol 198:188-200, 1970 (Ger)
[The doctor's own health] Neuhäusser P.
Zahnaerztl Mitt 61:67-8 passim, 16 Jan 71 (Ger)
[New concepts on the physiology of sleep: the natural sleep] Blum B, et al. Harefuah 78:365-6, 1 Apr 70 (Heb)
[Experiences of electrosleeptherapy in a resuscitation centre] Sarcinelli L, et al.
Acta Anaesthesiol (Padova) 21:447-61, Jul-Aug 70 (Ita)
[Renal blood flow during desynchronized sleep in the cat] Baccelli G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:329-32, 1968 (Ita)
[Hemodynamics during sleep in the cat] Mancia G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:315-28, 1968 (Ita)
[Changes of the ontogenesis of sleep aftter pontine "split" in the newborn cat] Mancia M, et al.
Boll Soc Ital Biol Sper 46:664-5, 15 Aug 70 (Ita)
[Notes on the morphological characteristics of the EEG sleep patterns in schizophrenic patients (use of data furnished by frequency analysis)] Bertolini M, et al.
Rass Neuropsichiatr 22:169-76, Apr-Jun 68 (Ita)
[Electroclinical recording of temporal seizures and intercritical discharges in nocturnal sleep] Angeleri F, et al. Riv Neurol 40:321-7, Sep-Oct 70 (Ita)
[On acoustic evoked potential during sleep in psychotic patients] Bertolini M, et al.
Riv Neurol 39:492-503, Sep-Oct 69 (Ita)
[Polygraphic study during spontaneous nocturnal sleep in a case of bulbar myoclonus] Castellotti V, et al.
Riv Neurol 40:348-56, Sep-Oct 70 (Ita)
[Studies of the changes of excitability of cortical thalamic neurons during the sleep-waking cycle] Dagnino N, et al. Riv Neurol 40:223-9, Jul-Aug 70 (Ita)
[Presynaptic and postsynaptic changes in the nclcus ventralis lateralis during the sleep-waking cycle] Favale E, et al. Riv Neurol 40:299-303, Sep-Oct 70 (Ita)
[Studies of pyramidal activity evoked during the sleep-waking cycle] Favale E, et al.
Riv Neurol 40:294-9, Sep-Oct 70 (Ita)
[Therapeutic prospects of a technic for controlling mental processes during sleep] Bertini M.
Riv Sper Freniatr 94:1209-22, 31 Oct 70 (Ita)
[Sleep paralysis: clinical and polygraphic study] Ceroni GB, et al. Riv Sper Freniatr 93:950-8, 31 Aug 69 (Ita)
[Phenomenology of different periods of sleep: psychological correlates of tonic and phasic events] Molinari S, et al.
Riv Sper Freniatr 94:637-44, 30 Jun 70 (Ita)
[Changes in nocturnal sleep in parkinsonism patients treated with L-dopa] Bricolo A, et al.
Sist Nerv 22:181-90, Mar-Jun 70 (Ita)
[Cerebral circulation and metabolism in sleep and consciousness] Aizawa T.
Adv Neurol Sci (Tokyo) 14:723-30, Apr 71 (Jap)
[Electroencephalography and heart rate in sleep of Macaca fuscata] Okudaira N, et al.
Adv Neurol Sci (Tokyo) 14:667-76, Apr 71 (Jap)
[Memory during sleep] Shimizu A, et al.
Adv Neurol Sci (Tokyo) 14:705-10, Apr 71 (Jap)
[Changes of plasma growth hormone level in normal and hypersomnic patients during nocturnal sleep] Takahashi K, et al.
Adv Neurol Sci (Tokyo) 14:743-54, Apr 71 (Jap)
[Excitation rhythm of the nerve groups. 4. Sleep and wakefulness] Torii S.
J Physiol Soc Jap 33:74-7, Feb 71 (Jap)
[The ontogeny of spontaneous skin potential responses during natural sleep in kittens] Yamazaki K, et al.
J Physiol Soc Jap 32:606-16, Sep 70 (Jap)
[Polygraphical study on the wakefulness-sleep cycle of the rat] Takeuchi E.
Jap J Psychol 41:248-56, Dec 70 (Jap)
[Sleep and anesthesia] Asakura T.
Saishin Igaku 26:48-53, Jan 71 (Jap)
[Sleep and hypnosis] Fujisawa K.
Saishin Igaku 26:41-7, Jan 71 (28 ref.) (Jap)
[Sleep and brain damage] Harada M.
Saishin Igaku 26:66-73, Jan 71 (Jap)
[Human sleep] Kaketa K, et al.
Saishin Igaku 26:4-8, Jan 71 (Jap)
[Endogenous psychosis and sleep--with special reference to monoamine metabolism] Kariya T, et al.
Saishin Igaku 26:60-5, Jan 71 (37 ref.) (Jap)
[Neuro-humoral mechanism of sleep] Matsumoto J, et al. Saishin Igaku 26:9-15, Jan 71 (44 ref.) (Jap)
[Sleep in children] Takeuchi M.
Saishin Igaku 26:106-11, Jan 71 (Jap)
[Epilepsy and sleep] Tokuta Y.
Saishin Igaku 26:90-7, Jan 71 (24 ref.) (Jap)
[Neuropharmacological approach to sleep] Yamamoto K. Saishin Igaku 26:16-34, Jan 71 (158 ref.) (Jap)
[Studies on the determination of the awakening threshold in children] Semczuk B, et al.
Otolaryngol Pol 25:187-91, 1971 (Pol)
[The course of sleep in epileptic children] Kamraj-Mazurkiewicz K.
Pol Tyg Lek 25:1399-401, Sep 70 (Pol)
[Biogenic amines and sleep] Kądzielawa K.
Postepy Hig Med Dosw 25:231-75, 1971 (Pol)
[Physiology of sleep] Moruzzi G.
Resen Clin Cient 37:15-20 contd, Jan-Feb 68 (Por)
[Correlational between variations in human brain potentials in anesthetic sleep of various depths] Ginzburg DA.
Biull Eksp Biol Med 68:15-8, Oct 69 (Rus)
[Characteristics of changes in polarization of the cerebral cortex in ontogenesis in the rabbit in relation to sleep and wakefulness] Gokhblit II, et al.
Biull Eksp Biol Med 68:7-10, Sep 69 (Rus)
[Circadian rhythm of wakefulness and sleep during narcolepsy] Iakhno NN, et al.
Biull Eksp Biol Med 71:20-3, Mar 71 (Rus)
[The electrical activity in the brain of white rats under conditions of free behavior] Koval'zon VM.
Biull Eksp Biol Med 71:13-8, Mar 71 (Rus)
[Spinobulbospinal and propriospinal reflexes during natural sleep and wakefulness in cats] Smolin LN.
Biull Eksp Biol Med 72:9-12, Jul 71 (Rus)
[Proteolytic enzyme activity of different sections of the rat brain during natural sleep and during paradoxical sleep deprivation] Glushchenko TS, et al.
Dokl Akad Nauk SSSR 197:1222-4, 1971 (Rus)
[Total protein content and quantity of basic proteins in neurons and neuroglia of rat brain supraoptic and red nuclei during natural sleep and deprivation of paradoxical sleep] Voronka GSh, et al.
Dokl Akad Nauk SSSR 198:974-7, 1971 (Rus)
[Electric activity of associative cortical neurons of kittens in various sleep stages] Fel'dman GL, et al.
Fiziol Zh SSSR 57:176-84, Feb 71 (Rus)
[Some neurophysiological aspects of natural sleep stages and arousal from spectral and correlation analyses of bioelectric activity] Karmanova IG, et al.
Fiziol Zh SSSR 57:185-93, Feb 71 (Rus)
[Behavioral and electrographic expression of natural sleep and wakefulness in reptiles] Karmanova IG, et al. Fiziol Zh SSSR 57:504-11, Apr 71 (Rus)
[Spontaneous activity of subcortical structure cell populations during sleep and dreaming in man] Moiseeva NI, et al.
Fiziol Zh SSSR 57:159-66, Feb 71 (Rus)
[EEG and behavioral arousal thresholds in different sleep stages] Oniani TN, et al.
Fiziol Zh SSSR 57:167-75, Feb 71 (Rus)
[Tonic impulsation of the vagus nerve during sleep and wakefulness] Varbanova A, et al.
Fiziol Zh SSSR 57:442-6, Mar 71 (Rus)
[Effect of prolonged phenamine-induced insomnia and subsequent sleep on the protein content of neurons and their glial cell-satellites of the brain supraoptic and red nuclei] Voronka GSh.
Fiziol Zh SSSR 57:962-8, Jul 71 (Rus)
[Dynamics of the electroencephalogram in human sleep during normal and varied daily regimes] Litsov AN.
Izv Akad Nauk SSSR [Biol] 4:521-9, Jul-Aug 70 (Rus)
[State of the autonomic sphere at the time of sleep] Vein AM, et al. Klin Med (Mosk) 48:23-6, Sep 70 (Rus)
[Content of desoxyribose and acid phosphatase activity in the blood serum of patients with infectious arthritis during electrosleep therapy] Gerasimenko VN, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:233-6, May-Jun 70 (Rus)
[Formation of circadian sleep rhythms in the newborn] Evsiukova II.
Vopr Okhr Materin Det 16:3-8, Jan 71 (Rus)
[Vestibular reactions during wakefulness and sleep] Asianian GG. Zh Eksp Klin Med 7:24-9, 1967 (Rus)
["Slow" and "rapid" sleep in the structure of narcoleptic seizures] Raft ML, et al.
Zh Nevropatol Psikhiatr 70:1221-8, 1970 (Rus)
[Epileptic activity and nighttime sleep (review of the literature)] Sumskii LI.
Zh Nevropatol Psikhiatr 71:141-4, 1971 (48 ref.) (Rus)
[The role of different sleep stages in the development of convulsive paroxysms in sleep epilepsy (clinico-electrophysiologic study)] Tolmazskaia ES, et al. Zh Nevropatol Psikhiatr 71:378-84, 1971 (Rus)
[Some characteristics of human brain reactions to paired light stimuli] Kudinova MP, et al.
Zh Vyssh Nerv Deiat 19:293-300, Mar-Apr 69 (Rus)
[Differences in the high frequency part of the electrocorticogram during physiologic sleep and wakefulness] Lesene V.
Zh Vyssh Nerv Deiat 20:1093-5, Sep-Oct 70 (Rus)
[The bioelectric activity of the human brain during the process of falling asleep and sleep] Moiseeva NI.
Zh Vyssh Nerv Deiat 20:594-602, Jul-Aug 70 (Rus)
[The dynamics of various electrocorticogram rhythms during sleep and wakefulness in cats] Oniani TN, et al.
Zh Vyssh Nerv Deiat 21:128-34, Jan-Feb 71 (Rus)
[Cortical audiometry] Marco J.
Acta Otorinolaryngol Iber Am 21:449-73, 1970 (Spa)
[Psychopharmacological agents, hypnotics, anesthetics and analgesics in sleep therapy] Arias Alvarez A.
Rev Esp Anestesiol Reanim 17:289-301, Apr 70 (Spa)

DRUG EFFECTS

An assessment of sedative effect of mandrax based on the observation of sleep and urinary catecholamines. Kivalo I, et al. Ann Chir Gynaecol Fenn 59:151-4, 1970
The effect of pregnancy and lactation on the pentobarbital-Na induced sleeping-time in rats. Peters JM, et al.
Arch Int Pharmacodyn Ther 189:370-2, Feb 71
Comparison of liver microsome enzyme systems and barbiturate sleep times in rats caged individually or

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

communally. Dairman W, et al.
Biochem Pharmacol 19:951-5, Mar 70
Relations between barbiturate brain levels and sleeping time in various experimental conditions. Jori A, et al. Biochem Pharmacol 19:2687-94, Oct 70
Molecular mechanism of unconscious state induced by butyrate. Rizzoli AA, et al.
Biochem Pharmacol 19:2727-36, Oct 70
Mechanism of the gamma-hydroxybutyrate-induced increase in brain dopamine and its relationship to "sleep". Roth RH, et al.
Biochem Pharmacol 19:3001-12, Dec 70
Sleep and REM deprivation in the rat: effect of dexamethasone, a preliminary study. Cohen H, et al.
Biol Psychiatry 2:401-3, Oct 70
Alterations in sleep-wakefulness cycle in rats following treatment with (+)-lysergic acid diethylamide (LSD-25). Depoortere H, et al.
Br J Pharmacol 41:402P+, Feb 71
Alcohol and narcolepsy. Goodwin DW, et al.
Br J Psychiatry 117:705-6, Dec 70
Effects of amylobarbitone and nitrazepam on the electrodermogram and other features of sleep. Haider I, et al. Br J Psychiatry 118:519-22, May 71
The effects of four hypnotic drugs and placebo on normal subjects' sleeping and dreaming at home. Morgan H, et al. Br J Psychiatry 117:649-52, Dec 70
The hypnotic effects of codeine and secobarbital and their interaction in man. Bellville JW, et al.
Clin Pharmacol Ther 12:607-12, Jul-Aug 71
Comparative stimulant and diuretic actions of caffeine and theobromine in man. Dorfman LJ, et al.
Clin Pharmacol Ther 11:869-72, Nov-Dec 70
Sleep in patients with Parkinson's disease and normal subjects prior to and following levodopa administration. Kales A, et al.
Clin Pharmacol Ther 12:397-406, Mar-Apr 71
Laboratory note. Effects of methylidopa on sleep patterns in man. Baekeland F, et al.
Electroencephalogr Clin Neurophysiol 31:269-72, Sep 71
Hypnotic activity of centrally--administered barbiturate and uncouplers of oxidative phosphorylation. Doggett NS, et al.
Eur J Pharmacol 13:23-9, 1970
Effect of hemicholinium-3 on slow wave and paradoxical sleep of cat. Hazra J.
Eur J Pharmacol 11:395-7, 1970
Barbiturate-induced sleep in hyperthyroid mice. Spencer PS, et al. Eur J Pharmacol 11:392-4, 1970
[Chemistry and pharmacology of sleep. (Review of the literature)] Vein AM, et al.
Farmakol Toksikol 34:369-80, May-Jun 71 (141 ref.)
Effect of some antibiotics on hexobarbitone sleeping time in rats. Phansalkar AG, et al.
Hindustan Antibiot Bull 12:179-80, May 70
Effect of guanethidine on pentobarbital sleeping time. Naik SR, et al. Indian J Med Res 58:1475-9, Oct 70
Effects of 5-HTP on sleep in Mongol children. Preliminary results. Petre-Quadens O, et al.
J Neurol Sci 13:115-9, May 71
Effects of mescaline and 2,5-dimethoxy-4-methylphenethylamine on sleeping time in mice. Ho BT, et al.
J Pharm Pharmacol 22:949-51, Dec 70
Behavioral studies of sleep patterns in alcoholics during intoxication and withdrawal. Mello NK, et al.
J Pharmacol Exp Ther 175:94-112, Oct 70
Factors in cerebrospinal fluid from goats that affect sleep and activity in rats. Fenci V, et al.
J Physiol (Lond) 216:565-89, Aug 71
Sleep elicited by clonidine and its relation to neurones containing 5-hydroxytryptamine. Holman RB, et al.
J Physiol (Lond) 217:51P-52P, Aug 71
Effects of L-tryptophan (a natural sedative) on human sleep. Wyatt RJ, et al. Lancet 2:842-6, 24 Oct 70
Pyrazole and ethanol potentiation of tryptophol-induced sleep in mice. Feldstein A, et al.
Life Sci [I] 10:961-7, 1 Sep 71
Effect of L-dopa on the sleep of man. Wyatt RJ, et al.
Nature (Lond) 228:999-1001, 5 Dec 70
The influence of low LSD dose administration during sleep in rats. Bílková J, et al.
Psychopharmacologia 20:395-9, 1971
Reserpine and sleep. Coulter JD, et al.
Psychopharmacologia 19:134-47, 1971
Debrisoquine, guanethidine, propranolol and human sleep. Dunleavy DL, et al.
Psychopharmacologia 21:101-10, 1971
Alpha-methylparatyrosine and sleep in the rat. Hartmann E, et al.
Psychopharmacologia 21:157-64, 1971
Effects of fenfluramine on sleep-wakefulness in cats. Johnson DN, et al. Psychopharmacologia 20:1-9, 1971
Chlorpromazine and human sleep. Lester BK, et al.
Psychopharmacologia 20:280-7, 1971
The pharmacology of disturbed sleep. Zung WW.
Psychosomatics 11:470-2, Sep-Oct 70
Effect of methylchloroform inhalation on barbiturate hypnosis and hepatic drug metabolism in male mice. Lal H, et al. Toxicol Appl Pharmacol 17:625-33, Nov 70
A role for dopamine in control of sleep and wakefulness. Harner RN, et al.
Trans Am Neurol Assoc 95:252-4, 1970
[Polygraphic study of night sleep under the effects of hexapropymate] Favarel-Garrigues B, et al.
Bord Med 4:255-8 passim, Jan 71 (Fre)
[The influence of ovarian steroids on the distribution of sleep elements in white female rats] Barbe L, et al.
J Physiol (Paris) 62:Suppl 2:240-1, 1970 (Fre)
[Intervention of cyclic A.M.P. in sedation phenomena] Delbarre B. J Physiol (Paris) 63:38A, Mar-Apr 71 (Fre)
[Polygraphic study of night sleep under hexapropymate] Favarel-Garrigue B, et al.
Presse Med 78:2201-2, 21 Nov 70 (Fre)
[Inductive activity of diazepam] Heubel F, et al.
Arzneim Forsch 20:1706-8, Nov 70 (Ger)
[Electroencephalographic studies of a new methaqualone combination] Dirscherl T, et al.
Med Klin 65:1538-42, 28 Aug 70 (Ger)
[Effects of D-lysergic acid diethylamide (LSD-25) and 2-bromo-D-lysergic acid diethylamide (BOL-148) on sleeping behavior in rats] Loew DM, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:394-5, 1970 (Ger)
[Changes in the state of consciousness induced with fatty acids and their derivatives] Rizzoli AA.
Acta Anaesthesiol (Padova) 22:59-66, Jan-Feb 71 (Ita)
[Drug-induced sleep]
Policlinico [Prat] 78:332-4, 15 Apr 71 (Ita)
[Effects of L-DOPA on sleep spindles in patients with parkinsonism] Bricolo A, et al.
Riv Sper Freniatr 94:416-24, 30 Apr 70 (Ita)
[Effect of psychotropic drugs on sleep and levels of wakefulness] Yamaguchi N, et al.
Adv Neurol Sci (Tokyo) 14:677-85, Apr 71 (Jap)
[Symposium--drug metabolism and drug action. 6. Duration of sleep induced by hexobarbital following thyroidectomy hexobarbital metabolism] Tochino Y, et al. Folia Pharmacol Jap 66:85-6, 20 Jul 70 (Jap)
[Influences of hypnotics (especially nitrazepam, -hydroxybutyric acid) on sleep-wakefulness mechanisms in cats] Takeshima T.
Psychiatr Neurol Jap 73:495-532, Jun 71 (Jap)
[Pain and sleep. Free associations in mechanisms and medical treatment] Naess K.
Tidsskr Nor Laegeforen 91:290-2, 10 Feb 71 (Nor)
[Modern studies on sleep and hypnotics] Naess K.
Tidsskr Nor Laegeforen 91:226, 30 Jan 71 (Nor)
[Tolerance and abstinence syndromes after small doses of hypnotics] Naess K.
Tidsskr Nor Laegeforen 89:1656-7, 1 Nov 69 (Nor)
[Comparison of phases of natural sleep with the effect of phenamine and aminazin and the evaluation of the mean frequency of extremes of ECoG in cats] Lesene VA. Farmakol Toksikol 33:665-9, 1970 (Rus)
[Normal and pathological sleep. Clinical and experimental cases in relation to catecholamines during the use of L-Dopa] Delmar A, et al.
Prensa Med Argent 57:1649-53, 30 Oct 70 (Spa)

RADIATION EFFECTS

[Changes of sleep rhythms after an gamma irradiation in cats] Riotte M, et al.
J Physiol (Paris) 62:Suppl 2:310, 1970 (Fre)

SLEEP DEPRIVATION (F1, G1)

Clinical value of the electroencephalogram following sleep deprivation. Welch LK, et al.
Aerosp Med 42:349-51, Mar 71
Slow wave sleep deprivation in relation to plasma growth hormone concentration. Karacan I, et al.
Behav Neuropsychiatry 2:11-4, Feb-Mar 71
The effects of dream deprivation: implications for a theory of the psychological function of dreaming. Greenberg R, et al. Br J Med Psychol 43:1-11, Mar 70
Changes in attention allocation in a multicomponent task under loss of sleep. Hockey GR.
Br J Psychol 61:473-80, Nov 70
The effects of acute sleep deprivation on selective attention. Norton R. Br J Psychol 61:157-61, May 70
Prolonged tonic convulsions in REM deprived mice. Cohen HB, et al. Brain Res 22:421-2, 16 Sep 70
The effects of total sleep deprivation in narcoleptics. Berti Ceroni G, et al.
Electroencephalogr Clin Neurophysiol 30:373, Apr 71
Bioelectric and diurnal rhythmic changes following long experimental deprivation of sleep in man. Jovanović UJ.
Electroencephalogr Clin Neurophysiol 30:167, Feb 71
Modification of surface negative slow potential (CNV) in the human brain after total sleep loss. Naitoh P, et al.
Electroencephalogr Clin Neurophysiol 30:17-22, Jan 71
The role of sleep deprivation research in human factors. Naitoh P, et al. Hum Factors 12:575-85, Dec 70
The influence of adrenergic and cholinergic blocking drugs on the glycogen content of the brain in rats deprived of paradoxical sleep. Mrđulja BB, et al.
J Neurochem 17:455-6, Mar 70
The structure of mood: a comparison between sleep deprivation and normal wakefulness conditions. Hendrick C, et al. J Pers 38:453-65, Sep 70
The intern and sleep loss. Friedman RC, et al.
N Engl J Med 285:201-3, 22 Jul 71
Sleepy interns. Kranes A.
N Engl J Med 285:231-2, 22 Jul 71
Interns' lot. N Engl J Med 285:808-9, 30 Sep 71
Serum enzyme changes during sleep deprivation. Kupfer DJ, et al. Nature (Lond) 228:768-70, 21 Nov 70
Ego strength, skin conductance, sleep deprivation, and performance. Stransbaugh LJ, et al.
Percept Mot Skills 31:671-7, Oct 70
Effect of REM sleep deprivation on exploration in rats. Boyaner HG. Psychol Rep 27:918, Dec 70
The behavioral effects of REM sleep deprivation in rats. Albert I, et al. Psychophysiology 6:550-60, Mar 70
Sleep analysis and a simple technique for selective deprivation of low-voltage fast-wave sleep in a species of deermouse P. m. bairdi. Mitler MM, et al.
Psychophysiology 7:112-20, Jul 70
Retrograde amnesia: electroconvulsive shock effects after termination of rapid eye movement sleep deprivation. Fishbein W, et al.
Science 172:80-2, 2 Apr 71
[Influence of sleep deprivation on experimental psilocybine-induced psychosis] Hanuš H, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:319+, 1970 (Cse)
[Effect of paradoxical sleep deprivation on the acquisition and retention of conditioning in rats] Leconte P, et al.
J Physiol (Paris) 62:Suppl 2:290, 1970 (Fre)
[Problems presented by the rhythm wakefulness--sleep in the course of cosmic flights] Chemin P.
Rev Corps Sante Armees 10:575-84, Oct 69 (Fre)
[Effects of total sleep deprivation in narcoleptic patients] Ceroni GB, et al.
Rev Neurol (Paris) 123:263-5, Oct 70 (Fre)
[Prolonged sleep deprivation and its symptoms] Jovanović UJ, et al.
Arch Psychiatr Nervenkr 214:183-202, 1971 (Ger)
[Therapy of endogenous depressions using sleep deprivation. Practical and theoretical consequences] Pflug B, et al. Nervenarzt 42:117-24, Mar 71 (Ger)
[Sleep deprivation in the electroencephalographic diagnosis of epilepsy] Spadetta V.
Acta Neurol (Napoli) 26:7-13, Jan-Feb 71 (Ita)
[Changes in monoamines and their related compounds in the rat brain during sleep deprivation] Toru M, et al. Adv Neurol Sci (Tokyo) 14:646-52, Apr 71 (Jap)
[Proteolytic enzyme activity of different sections of the rat brain during natural sleep and during paradoxical sleep deprivation] Glushchenko TS, et al.
Dokl Akad Nauk SSSR 197:1222-4, 1971 (Rus)

COMPLICATIONS

Sleep deprivation: a cause of psychotic disorganization. Gove WR. Am J Sociol 75:782-99, Mar 70

PHYSIOPATHOLOGY

[Phase V sleep deprivation in epileptic subjects: changes of discharges and of nocturnal sleep organization] Bergonzi P, et al.
Riv Neurol 40:344-8, Sep-Oct 70 (Ita)

SLEEP DISORDERS (C10, F2)

Hypersomnia and car driving. Schwartz BA.
Electroencephalogr Clin Neurophysiol 29:529, Nov 70
Sleep paralysis in F. Scott Fitzgerald's The Beautiful and Damned. (Fitzgerald FS), Schneck JM.
NY State J Med 71:378-9, 1 Feb 71
[Lethargy and gluttony as an organic syndrome (Kleine-Levin syndrome)] Overweg J.
Ned Tijdschr Geneeskd 115:556-8, 27 Mar 71 (Dut)
[Kleine-Levin syndrome (recurrent hypersomnia of male adolescents)] Fresco R, et al.
Ann Med Psychol (Paris) 1:625-68, May 71 (Fre)
[Practical value of polygraphic recording of sleep in man] Favarel-Garrigues B.
Bord Med 3:2437-8, Oct 70 (Fre)
[Somnambulism and somniloquy] Müller C.
Praxis 59:966-9, 30 Jun 70 (Fre)
[Hypersomnolence and automobile driving] Schwartz BA. Rev Neurol (Paris) 122:388-91, Jun 70 (Fre)
[Diagnosis and therapy of sleep disturbances in the aging] Schwarz H.
Z Aerztl Fortbild (Jena) 64:146-9, 1 Feb 70 (Ger)
[Fatigue, a leading symptom in neurotic learning disorders in students] Sperling E.
Z Psychosom Med Psychoanal 13:188-90, Jul-Sep 67 (Ger)

BLOOD

[Changes of plasma growth hormone level in normal and hypersomnic patients during nocturnal sleep] Takahashi K, et al.
Adv Neurol Sci (Tokyo) 14:743-54, Apr 71 (Jap)

DIAGNOSIS

[Alcoholic delirium and dream sleep. Results of polygraphic EEG-recording during night-sleep in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

patients following alcoholic delirium] Maxion H, et al. Arch Psychiatr Nervenkr 214:116-26, 1971 (Ger)
[Psychosomatic and psychotherapeutic viewpoints on sleep disorders] Hau TF. Z Psychosom Med Psychoanal 13:190-5, Jul-Sep 67 (Ger)
[The clinical picture and electrophysiology of disorders of night sleep (review)] Rotenberg VS. Zh Nevropatol Psikhiatr 70:606-16, 1970 (137 ref.) (Rus)
[Kleine-Levin syndrome] Kandić B, et al. Med Pregl 23:49-50, 1970 (Ser)

DRUG THERAPY

Capuride versus methyprylon and placebo in treating sleeplessness due to presurgical anxiety. Tornetta FJ. Anesth Analg (Cleve) 49:862-5, Nov-Dec 70
Chlorpromazine and sleep in psychiatric patients. Kupfer DJ, et al. Arch Gen Psychiatry 24:185-9, Feb 71
Capuride for sleep in rehabilitation patients: a controlled trial. Weiss H. Arch Phys Med Rehabil 52:68-72, Feb 71
Initial psychopharmacological study of lorazepam (Wy 4036). Collard J. Arzneim Forsch 21:1091-5, Jul 71
A case of the Kleine-Levin syndrome of long duration. George HR. Br J Psychiatry 117:521-3, Nov 70
Effects of placebo and flurazepam on sleep patterns in insomniac subjects. Kales J, et al. Clin Pharmacol Ther 12:691-7, Jul-Aug 71
L-Tryptophane and sleep. Hartmann E, et al. Psychopharmacologia 19:114-27, 1971
The pharmacology of disturbed sleep. Zung WW. Psychosomatics 11:470-2, Sep-Oct 70
Use of Motolon for the treatment of sleep disorders in neurotics. Szalay M, et al. Ther Hung 18:175-7, 1970
[Oniropriva psychoses and their biologic treatment] Bourgeois M, et al. Ann Med Psychol (Paris) 1:797-804, May 69 (Fre)
[Oniropriva psychoses and their biologic treatment] Bourgeois M, et al. Ann Med Psychol (Paris) 127:797-804, May 69 (Fre)
[Action of oxazepam 50 on sleep disorders] Ehrhart C. Lyon Med 225:1173-5, 13 Jun 71 (Fre)
[Clinical and psychological studies on the effect of Nobrium in children] Martin-du-Pan R, et al. Praxis 60:541-4, 27 Apr 71 (Fre)
[Melleril in pediatrics] Grieder HR. Ther Umsch 27:117-9, Feb 70 (Ger)
[Experiences with the soporific Speda in general practice] Friton BL. Z Allgemeinmed 47:820-1, 31 Jun 71 (Ger)
[Clinical trial using a barbiturate-free sedative in a crossed double-blind study] Klemm C. Z Allgemeinmed 47:862-5, 30 Apr 71 (Ger)
[General restorative therapy for the aged: clinical testing of a combination preparation] Bonaccorso O, et al. Clin Ter 48:171-9, 31 Jan 69 (Ita)
[Tricyclic antidepressives with sleeplessness] Naess K. Tidsskr Nor Laegeforen 91:290, 10 Feb 71 (Nor)
[Pharmacodynamics of somnifacients and treatment of sleep disorders] Kharkharov MA. Sov Med 33:82-5, Jul 70 (Rus)

ETIOLOGY

The Kleine-Levin syndrome. Report of a case and discussion. Persson T, et al. Acta Psychiatr Scand 46:106-10, 1970
Sleep patterns in depression. Longitudinal study of six patients and brief review of literature. Lowy FH, et al. J Nerv Ment Dis 153:10-26, Jul 71
[The deleterious effects of noise on health] Ewertsen HW, et al. Ugeskr Laeger 133:951-5, 14 May 71 (Dan)
[Respiratory internals occurring during sleep in patients with Pickwickian syndrome] Robert M, et al. Praxis 59:1767-76, 22 Dec 70 (Fre)
[Functional sleep disorders and nutrition in young infants and preschool children] Masson O. Rev Med Suisse Romande 90:765-74, Oct 70 (Fre)
[Nocturnal sleep in portacaval encephalopathy] Kurtz D, et al. Rev Neurol (Paris) 122:456, Jun 70 (Fre)
[Recording of 2 sleep traces in Creutzfeldt-Jakob disease] Vitrey M, et al. Rev Neurol (Paris) 122:528-9, Jun 70 (Fre)
[Sleep disorders in the elderly--a social medicine problem] Meyer HH. Praxis 60:1041-2, 3 Aug 71 (Ger)
[EEG study in a case of Kleine-Levin syndrome] Smirne S, et al. Riv Neurol 40:357-65, Sep-Oct 70 (Ita)
[Preoperative sleep disturbance] Onji Y, et al. Saishin Igaku 26:112-4, Jan 71 (Jap)
[Pre-school children and hospitals] Duna M, et al. Lakartidningen 67:4523-8, 30 Sep 70 (Swe)

FAMILIAL & GENETIC

[Hypersomnia with sleep drunkeness] Roth B, et al. Cesk Psychiatr 67:18-26, Feb 71 (Cze)

OCCURRENCE

A case of Kleine-Levin syndrome in India. Prabhakaran N, et al. Br J Psychiatry 117:517-9, Nov 70
[Sleeping habits, sleep disorders and use of soporifics in a residential section of Berlin] Feuerhahn G, et al. Psychiatr Neurol Med Psychol (Leipz) 22:182-5, May 70 (Ger)

PHYSIOPATHOLOGY

Hypersomnia and periodic respiration--presentation of two cases and comment on the physio-pathogenesis of the Pickwickian syndrome. Hishikawa Y, et al. Folia Psychiatr Neurol Jap 24:163-73, 1970

PREVENTION & CONTROL

[Therapy of depressive premature awaking and early anxiety using Saroten retard] Alsen V. Med Klin 66:1086-8, 6 Aug 71 (Ger)

SURGERY

Effect of tracheotomy in hypersomnia with periodic respiration. Lugaresi E, et al. Electroencephalogr Clin Neurophysiol 30:373-4, Apr 71
[Effects of tracheotomy in hypersomnia with periodic respiration] Lugaresi E, et al. Rev Neurol (Paris) 123:267-8, Oct 70 (Fre)

THERAPY

Treatment of nocturnal headbanging by behavior modification techniques: a case report. Ross RR. Behav Res Ther 9:151-4, May 71
Sleep and sleep disturbances in young children. Sensible management depends upon understanding. Battle CU. Clin Pediatr (Phila) 9:675-82, Nov 70
[Music for sleep] Last G, et al. Munch Med Wochenschr 112:2011-6, 30 Oct 70 (Ger)
[Electrotherapy of sleep disorders] Suchenwirth R. Munch Med Wochenschr 112:2021, 30 Oct 70 (Ger)
[Modern hypnosis therapy in functional sleep disorders] Langen D. Minerva Med 61:4695-6, 20 Oct 70 (Ita)

SLEEP, REM (F1, G1)

Rapid eye movements during the paradoxical sleep of rabbits. Narębski J, et al. Acta Neurobiol Exp (Warsz) 31:13-8, 1971
Sleep and sleep mechanisms. Ursin R. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:23-4, 1970
Local cortical blood flow during paradoxical sleep in man. Seylaz J, et al. Arch Ital Biol 109:1-14, Apr 71
The physiology of dreaming. Snyder F. Behav Sci 16:31-44, Jan 71 (116 ref.)
The effects of naps on nocturnal sleep: influence on the need for stage-1 REM and stage 4 sleep. Karacan I, et al. Biol Psychiatry 2:391-9, Oct 70
Changes in stage 1-REM and stage 4 sleep during naps. Karacan I, et al. Biol Psychiatry 2:261-5, Jul 70
Transferrable thoughts. Kline NS, et al. Biol Psychiatry 2:405-7, Oct 70
Eye movement potentials in the oculomotor and visual systems of the cat: a comparison of reserpine induced waves with those present during wakefulness and rapid eye movement sleep. Brooks DC, et al. Brain Res 27:223-39, 2 Apr 71
Prolonged tonic convulsions in REM deprived mice. Cohen HB, et al. Brain Res 22:421-2, 16 Sep 70
Lengthening of REM sleep duration consecutive to learning in the rat. Lucero MA. Brain Res 20:319-22, 3 Jun 70
PGO waves as unitary events. Malcolm LJ, et al. Brain Res 24:130-3, 11 Nov 70
Suppression of paradoxical sleep (PS) following hypothalamic defence reactions in cats during normal conditions and recovery from PS deprivation. Putkonen PT, et al. Brain Res 26:333-47, 5 Mar 71
Facilitation of the direct cortical response of the visual cortex in association with rapid eye movement during paradoxical sleep in the cat. Sato T. Brain Res 26:415-9, 5 Mar 71
Heart-rate variability in sleep and wakefulness. Burdick JA, et al. Cardiology 55:79-83, 1970
A multichannel hybrid system for rapid eye movement detection (REM detection). Smith JR, et al. Comput Biomed Res 4:275-90, Jun 71
Eye-movements during sleep: a common criterion of learning capacities and endocrine activity. Petre-Quadens O, et al. Dev Med Child Neurol 12:730-40, Dec 70
An approach to a quantitative study of eye movements during paradoxical sleep in a clinical setting. Barros-Ferreira M de. Electroencephalogr Clin Neurophysiol 30:253, Mar 71
Study of rapid eye movements over several nights' recording in the same subject. Benoit O, et al. Electroencephalogr Clin Neurophysiol 30:250, Mar 71
Red nucleus fast activity and signs of paradoxical sleep appearing during the extinction of experimental seizures. Fernández-Guardiola A, et al. Electroencephalogr Clin Neurophysiol 30:547-55, Jun 71
Electro-oculographic study of eye movements during the paradoxical phase of sleep. Gabersek V, et al. Electroencephalogr Clin Neurophysiol 30:370-1, Apr 71
Transformation of somatic afferent volleys across the prethalamic and thalamic components of the lemniscal system during the rapid eye movements of sleep. Ghelarducci B, et al. Electroencephalogr Clin Neurophysiol 29:348-57, Oct 70
Rapid eye movement definition and count: an on-line detector. Minard JG, et al. Electroencephalogr Clin Neurophysiol 31:99-102, Jul 71
The EEG and rapid eye movements during REM sleep in babies. Ornitz EM, et al. Electroencephalogr Clin Neurophysiol 30:350-3, Apr 71
Some temporal characteristics of paradoxical (LVF) sleep occurrence in the rat. Webb WB, et al. Electroencephalogr Clin Neurophysiol 30:453-6, May 71
Adrenal steroids and the maintenance of a circadian distribution of paradoxical sleep in rats. Johnson JH, et al. Endocrinology 89:507-12, Aug 71
Effect of recurrent stimulation of the brain stem reticular formation on REM sleep in cats. Monti JM. Exp Neurol 28:484-93, Sep 70
Sleep of unrestrained chimpanzee: differences between first and last rapid eye movement periods. Freemon FR, et al. Folia Primatol (Basel) 13:144-9, 1970
Dream content study in chronic schizophrenics and normals by REMP-awakening technique. Okuma T, et al. Folia Psychiatr Neurol Jap 24:151-62, 1970
Behavioral state, sleep stage and growth hormone levels in human infants. Finkelstein JW, et al. J Clin Endocrinol Metab 32:368-71, Mar 71
Spontaneous recovery and sleep. Ekstrand BR, et al. J Exp Psychol 88:142-4, Apr 71
The prognostic value of EEG sleep recordings in carbon monoxide intoxication. Karacan I, et al. J Fla Med Assoc 58:31-4, Mar 71
Respiratory movements and paradoxical sleep in the foetal lamb. Dawes GS, et al. J Physiol (Lond) 210:47P-48P, Sep 70
Recovery time for alcoholics after prolonged alcohol intoxication. Allen RP, et al. Johns Hopkins Med J 128:158-64, Mar 71
Concentrations of plasma testosterone in normal men during sleep. Evans JI, et al. Nature (Lond) 229:281-2, 22 Jan 71
Mossy and climbing fiber activity during phasic and tonic phenomena of sleep. Marchesi GF, et al. Pflugers Arch 323:219-40, 1971
Effect of REM sleep deprivation on exploration in rats. Boyaner HG. Psychol Rep 27:918, Dec 70
The behavioral effects of REM sleep deprivation in rats. Albert I, et al. Psychophysiology 6:550-60, Mar 70
Sleep cycles and skin potential in newborns studies with a simplified observation and recording system. Bell RQ. Psychophysiology 6:778-86, May 70
Quantification of the REM sleep cycle as a rhythm. Globus GG. Psychophysiology 7:248-53, Sep 70
"Dream detector" and automatization of REMP-awakening technique for the study of dreaming. Okuma T, et al. Psychophysiology 7:508-15, Nov 70
A new method for detecting eye movement in sleep. Toth MF. Psychophysiology 7:516-23, Nov 70
Retrograde amnesia: electroconvulsive shock effects after termination of rapid eye movement sleep deprivation. Fishbein W, et al. Science 172:80-2, 2 Apr 71
Acetylcholine liberation from cerebral cortex during paradoxical (REM) sleep. Jasper HH, et al. Science 172:601-2, 7 May 71
[Study of paradoxical sleep] Petre-Quadens O. Acta Neurol Belg 69:789-898, Oct 69 (Fre)
[Sleep in parkinsonism] Traczynska-Kubin D, et al. Acta Neurol Belg 69:727-33, Sep 69 (Fre)
[Increase of the duration of paradoxical sleep due to learning in the rat] Leconte P, et al. C R Acad Sci [D] (Paris) 273:86-8, 5 Jul 71 (Fre)
[Sleep-wakefulness in white female rats during the circadian and estrus cycles] Barbe L, et al. J Physiol (Paris) 1:Suppl 1:84, 1969 (Fre)
[Pharmacological model of paradoxical sleep induced by a cholinergic substance: oxotremorine] Delbarre B, et al. J Physiol (Paris) 63:37A, Mar-Apr 71 (Fre)
[Data furnished by continuous rheoencephalography in paradoxical sleep of the cat] Lecas JC, et al. J Physiol (Paris) 1:Suppl 1:146, 1969 (Fre)
[Effect of paradoxical sleep deprivation on the acquisition and retention of conditioning in rats] Leconte P, et al. J Physiol (Paris) 62:Suppl 2:290, 1970 (Fre)
[Quantitative study of ocular movements in paradoxical sleep: clinical value] Barros-Ferreira de. Rev Neurol (Paris) 122:527-8, Jun 70 (Fre)
[Ocular movement phase during several nights of recording with the same patient] Benoit O, et al. Rev Neurol (Paris) 122:524-6, Jun 70 (Fre)
[Electrooculographic study of eye movements during the paradoxical phase of sleep] Gabersek V, et al. Rev Neurol (Paris) 123:251-5, Oct 70 (Fre)

[Day sleep and experimental sensory deprivation: data concerning the "eye movement phase"] Salzarulo P. Rev Neurol (Paris) 123:356-62, Nov 70 (Fre)
[Development of ocular movement frequency during ocular movement phase in normal humans] Thomas J, et al. Rev Neurol (Paris) 122:523-4, Jun 70 (Fre)
[Phasic changes in heart rate following acoustic stimuli during natural human sleep] Baust W, et al. Pfluegers Arch 324:165-75, 1971 (Ger)
[Biological significance of REM-sleep. Importance of rapid eye movements in causing the principally visual componeat of dreams] Buscaino GA. Acta Neurol (Napoli) 25:285-301, May-Jun 70 (Ita)
[Study of the visuo-motor content of dreams in subjects with disorders of ocular motility] Buscaino GA, et al. Acta Neurol (Napoli) 26:1-6, Jan-Feb 71 (Ita)
[Dreaming in the activated sleep. 1] Fujisawa K. Jap J Psychol 41:131-41, Aug 70 (Jap)
[Narcolepsy and paradoxical sleep] Takahashi Y. Saishin Igaku 26:98-105, Jan 71 (Jap)
[Para-sleep and autonomic nervous system] Uchino Y, et al. Saishin Igaku 25:2049-56, Oct 70 (59 ref.) (Jap)
[Proteolytic enzyme activity of different sections of the rat brain during natural sleep and during paradoxical sleep deprivation] Glushchenko TS, et al. Dokl Akad Nauk SSSR 197:1222-4, 1971 (Rus)
[Number of rapid eye movements during human night sleep under different conditions] Vein AM, et al. Dokl Akad Nauk SSSR 194:232-4, Sep-Oct 70 (Rus)
[To sleep--perhaps also to dream] Böttiger LE. Nord Med 85:499-500, 22 Apr 71 (Swe)

DRUG EFFECTS

Serotonin now: clinical implications of inhibiting its synthesis with para-chlorophenylalanine. Ann Intern Med 73:607-30, Oct 70
Total prolonged drug-induced REM sleep suppression in anxious-depressed patients. Wyatt RJ, et al. Arch Gen Psychiatry 24:145-55, Feb 71
Sleep and REM deprivation in the rat: effect of dexamethasone, a preliminary study. Cohen H, et al. Biol Psychiatry 2:401-3, Oct 70
Effects of 5-hydroxytryptophan on the sleep of normal human subjects. Wyatt RJ, et al. Electroencephalogr Clin Neurophysiol 30:505-9, Jun 71
The effects of -methyltyrosine on sleep and brain norepinephrine in cats. King CD, et al. J Pharmacol Exp Ther 177:188-95, Apr 71
Effects of L-tryptophan (a natural sedative) on human sleep. Wyatt RJ, et al. Lancet 2:842-6, 24 Oct 70
Induction by Cannabis sativa (marihuana) of rhythmic spike discharges overriding REM sleep electrocorticogram in the rat. Masur J, et al. Life Sci [I] 9:1275-80, 15 Nov 70
Chlorpromazine and human sleep. Lester BK, et al. Psychopharmacologia 20:280-7, 1971
[Polygraphic study of night sleep under hexapropymate] Favarel-Garrigue B, et al. Presse Med 78:2201-2, 21 Nov 70 (Fre)
[Effects of D-lysergic acid diethylamide (LSD-25) and 2-bromo-D-lysergic acid diethylamide (BOL-148) on sleeping behavior in rats] Loew DM, et al. Naunyn Schmiedebergs Arch Pharmakol 266:394-5, 1970 (Ger)
[Comparison of phases of natural sleep with the effect of phenamine and aminazin and the evaluation of the mean frequency of extremes of ECoG in cats] Lesene VA. Farmakol Toksikol 33:665-9, 1970 (Rus)

SLEEPING SICKNESS see under ENCEPHALITIS, EPIDEMIC (C1, C10)

SLEEPING SICKNESS see under TRYPANOSOMIASIS, AFRICAN (C1)

SLIME MOLDS see under MYXOMYCETES (B5)

SMALLPOX (C1)

Infectious diseases. A review of work done in India. Kamat SA. J Assoc Physicians India 18:449-57, Apr 70 (77 ref.)
Osteo-articular complications of smallpox vaccination. Singhal RK. J Indian Med Assoc 55:20-2, 1 Jul 70
[Current status of smallpox] Ueda K. Naika 26:451-5, Sep 70 (Jap)
[Smallpox. Clinical features] Laake H. Tidsskr Nor Laegeforen 91:92-3, 20 Jan 71 (Nor)
[Increased sensitivity of white mice to smallpox virus following whole-body x-irradiation] Marennikova SS, et al. Biull Eksp Biol Med 70:102-5, Aug 70 (Rus)

DIAGNOSIS

A clinical and laboratory study of smallpox in Brazil. Accuracy of the laboratory diagnosis of smallpox in patients with Brazilian variola minor infection. Noble J Jr, et al. Am J Trop Med Hyg 19:1020-8, Nov 70
Experience with electron microscopy in the differential diagnosis of smallpox. Long GW, et al. Appl Microbiol 20:497-504, Sep 70
The clinical and laboratory diagnosis of variola minor (alastrim). Fiewett TH. Br J Clin Pract 24:397-402, Sep 70
Chickenpox confused with smallpox. Case report. Kassanoff I, et al. J Okla State Med Assoc 63:8-12, Jan 70
[Laboratory differentiation of variola from varicella] Ryba M, et al. Cas Lek Cesk 110:409-12, Apr 71 (Cze)
[Laboratory methods for the diagnosis of variola] Harboe A. Tidsskr Nor Laegeforen 91:93-4, 20 Jan 71 (Nor)
[Analysis of specimens for the diagnosis of smallpox in a laboratory of Brazil] Schatzmayr HG, et al. Bol Of Sanit Panam 69:500-4, Dec 70 (Spa)

ETIOLOGY

Investigation of hospital-associated smallpox--Vitoria, Espirito Santo. Morris L, et al. Am J Public Health 60:2331-5, Dec 70
Airborne transmission of smallpox. Br Med J 4:127, 17 Oct 70
Airborne transmission of smallpox. WHO Chron 24:511-5, Jul 70

HISTORY

Jacobson v. Massachusetts 25 S. Ct. 358 (1905): compulsory vaccination. Fabro JA. Conn Med 34:654-5, Sep 70
The 'bubu'tu' lesion in antiquity. Adamson PB. Med Hist 14:313-8, Jul 70
Smallpox data by Dr. Uplavici? Mack TM. N Engl J Med 283:1291-2, 3 Dec 70
[The great smallpox epidemic] Desjardins E. Union Med Can 99:1470-7, Aug 70 (Fre)
[The history of smallpox eradication in the USSR] Kravchenko AT. Zh Mikrobiol Epidemiol Immunobiol 47:3-8, Feb 70 (Rus)

IMMUNOLOGY

Field evaluation of combined more attenuated live measles (Moraten)-smallpox vaccine in Honduras and Costa Rica. Villarejos VM, et al. Am J Epidemiol 93:384-91, May 71
Reaction to tuberculin, susceptibility to diphtheria and immunity against smallpox among medical students over a decade. Whitted HH, et al. Med Ann DC 40:361-6, Jun 71
The immunity to vaccina virus of Japanese people of different age groups: serum antibody titre and local skin reaction at the site of vaccination. Kitaoka M, et al. Progr Immunobiol Stand 4:683-91, 1970
Take rates by double versus single insertions of smallpox vaccine in revaccinees. Lane JM, et al. Public Health Rep 85:928-32, Oct 70
Inoculation with D(diphtheria), P(pertussis), T(tetanus), M(measles) or DPTMV(vaccinia) combined vaccine. Sagawa I, et al. Z Immunitaetsforsch Allerg Klin Immunol 140:440-56, Nov 70
[Smallpox and ABO blood groups in the Congo] Lambotte C, et al. Ann Soc Belg Med Trop 47:405-11, 1967 (Fre)
[The dynamics of antivaccine antibodies studied by passive hemagglutination method in school age children] Mihăilescu R, et al. Arch Roum Pathol Exp Microbiol 29:135-9, Mar-Jun 70 (Fre)
[Immune response in virus diseases on the model of smallpox] Ehrengut W. Dtsch Med Wochenschr 96:795-8, 30 Apr 71 (Ger)

MICROBIOLOGY

[Characteristics of strains of smallpox virus isolated from various forms of the disease] Shafikova RA, et al. Vopr Virusol 15:699-702, Nov-Dec 70 (Rus)

OCCURRENCE

Current status of global smallpox eradication. Foege WH, et al. Am J Epidemiol 93:223-33, Apr 71
The recent outbreak of smallpox in Meschede, West Germany. Geifand HM, et al. Am J Epidemiol 93:234-7, Apr 71
Epidemiologic investigation of a smallpox outbreak in a town reported to be "100 per cent vaccinated". Morris L, et al. Am J Epidemiol 92:294-300, Nov 70
Endemic smallpox in rural East Pakistan. I. Methodology, clinical and epidemiologic characteristics of cases, and intervillage transmission. Thomas DB, et al. Am J Epidemiol 93:361-72, May 71
Endemic smallpox in rural East Pakistan. II. Intervillage transmission and infectiousness. Thomas DB, et al. Am J Epidemiol 93:373-83, May 71
Role of hospital in smallpox outbreak in Kuwait. Arita I, et al. Am J Public Health 60:1960-6, Oct 70
Studies on the off-season smallpox in Calcutta in 1967. Sarkar JK, et al. Bull Calcutta Sch Trop Med 18:43-4, Apr 70
An airborne outbreak of smallpox in a German hospital and its significance with respect to other recent outbreaks in Europe. Wehrle PF, et al. Bull WHO 43:669-79, 1970
Smallpox occurrence in the municipio of São Paulo, Brazil, 1945-69. Morris L, et al. HSMHA Health Rep 86:87-91, Jan 71
Smallpox and the ABO system in Southern Brazil. Krieger H, et al. Hum Hered 19:654-7, 1969
Outbreak of smallpox in some villages of Jaipur district, Rajasthan, during 1968. Pattanayak S, et al. Indian J Med Res 58:416-27, Apr 70
Epidemiological and virological studies on the off-season smallpox cases in Calcutta. Sarkar JK, et al. Indian J Med Res 58:829-39, Jul 70
Complications of smallpox vaccination, 1968: results of ten statewide surveys. Lane JM, et al. J Infect Dis 122:303-9, Oct 70
Variola major in West Pakistan. Mack TM, et al. J Infect Dis 122:479-88, Dec 70
The transmission pattern of smallpox in a West African school population. Imperato PJ. J Trop Pediatr 16:204-9, Dec 70
Smallpox in 1970. Med J Aust 1:724, 3 Apr 71
No smallpox in Vietnam. Lane JM. N Engl J Med 283:1468, 24 Dec 70
Airborne transmission of smallpox. South Med J 64:375-6, Mar 71
Imported disease--figures for Scotland. Stevenson D. Trans R Soc Trop Med Hyg 64:786-7, 1970
[Smallpox outbreak in Meschede. Preliminary report] Richter KH, et al. Arch Hyg Bakteriol 154:88-9, Jun 70 (Ger)
[Present status of dissemination and control of smallpox in the world] Weise HJ. Dtsch Med Wochenschr 95:2245-52, 30 Oct 70 (Ger)
[Smallpox 70 per cent reduced] Dtsch Med Wochenschr 96:483, 12 Mar 71 (Ger)
[Epidemiological study of smallpox cases in Mostardas, Rio Grande do Sul, Brazil] Silveira CM da, et al. Bol Of Sanit Panam 71:153-6, Aug 71 (Por)
[The case of the infected woman: experiment in Germany solved the Swedish smallpox mystery] Lakartidningen 68:86-7, 6 Jan 71 (Swe)

PATHOLOGY

Comparative studies on the properties of variola virus strains. II. Pathogenicity for suckling mice and gamma-irradiated adult white mice. Shafikova RA, et al. Acta Virol (Praha) 15:321-3, Jul 71

PREVENTION & CONTROL

Possible alternatives to routine smallpox vaccination in the United States. Benenson AS. Am J Epidemiol 93:248-52, Apr 71
The case for continuing "routine" childhood smallpox vaccination in the United States. Katz SL. Am J Epidemiol 93:241-4, Apr 71
Risks of smallpox vaccination complications in the United States. Lane JM, et al. Am J Epidemiol 93:238-40, Apr 71
The case for abolishing routine childhood smallpox vaccination in the United States. Neff JM. Am J Epidemiol 93:245-7, Apr 71
The skin and vaccination against smallpox. Copeman PW, et al. Br J Dermatol 84:169-73, Feb 71 (31 ref.)
Fibrosarcoma at the site and immediately following small-pox vaccination. Archampong EQ, et al. Br J Surg 57:937-8, Dec 70
Immunization against smallpox. Kaplan C. Br Med Bull 25:131-5, May 69 (77 ref.)
Smallpox vaccination. Davies S, et al. Br Med J 3:430-1, 14 Aug 71
Routine smallpox vaccination. Dick G. Br Med J 3:163-6, 17 Jul 71
For further debate. Br Med J 3:129, 17 Jul 71
Smallpox eradication in Brazil, 1967-69. Carvalho Filho ES de, et al. Bull WHO 43:797-807, 1970
Smallpox vaccination after the first birthday--is anyone listening? Polk LD. Clin Pediatr (Phila) 10:131-2, Mar 71
Immunization in developing countries. Morley D. Community Health (Bristol) 2:283-7, May-Jun 71
Mass campaign against smallpox in Thailand. Trishnananda M. Int J Dermatol 10:29-30, Jan-Mar 61
Smallpox policy reversed. Lancet 2:305, 7 Aug 71
Smallpox vaccination. Warin JF. Practitioner 206:483-7, Apr 71
The introduction of jet injection mass vaccination into the national smallpox eradication program of Brazil. Millar JD, et al. Trop Geogr Med 23:89-101, Mar 71
Brief history of epidemiology and control of smallpox in Turkey and recent developments in vaccine production. Oziŝarda E. Turk Hij Tecr Biyol Derg 29:187-99, 1969
The effect of the smallpox eradication measles control programme on measles admissions to the Lagos infectious diseases hospital Yaba Nigeria. Smith EA, et al. West Afr Med J 19:51-6, Apr 70
Smallpox eradication: the first three years. WHO Chron 24:361-10, Jul 70
[Technic and evaluation of the results of smallpox

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vaccination] Beunders BJ, et al.
Ned Tijdschr Geneeskd 115:945-8, May 71 (Dut)
[Should smallpox vaccination be abolished?] Dekking F. Ann Soc Belg Med Trop 50:465-70, 1970 (Fre)
[On antismallpox vaccination in France. Year 1966] Martin-Bouyer G, et al.
Bull Inst Nati Sante Rech Med 24:267-75, Mar-Apr 69 (Fre)
[Smallpox vaccination in France. 1967] Martin-Bouyer G, et al.
Bull Inst Nati Sante Rech Med 25:817-30, Jul-Aug 70 (Fre)
[Vaccinal situation in France. Year 1968] Martin-Bouyer G, et al.
Bull Inst Nati Sante Rech Med 26:345-97, Jan-Feb 71 (Fre)
[Malignant tumors--complications of scars caused by smallpox vaccinations] Geiser JD.
Praxis 59:1158-61, 11 Aug 70 (Fre)
[Public health policy. Smallpox vaccination in the USA, and measles vaccination in Senegal] Lebart L, et al.
Sem Hop Paris 46:2672-7, 20 Oct 70 (Fre)
[Smallpox vaccination in a dermatologic clinic] Buchholz W.
Dtsch Gesundheitsw 25:1699-702, 3 Sep 70 (Ger)
[The intradermal vaccinia test is specific] Ehrengut W.
Dtsch Med Wochenschr 96:1062-3, 11 Jun 71 (Ger)
[Smallpox vaccination in overaged subjects vaccinated for the 1st time] Ehrengut W.
Dtsch Med Wochenschr 96:1482, 10 Sep 71 (Ger)
[Initial smallpox vaccination of a child during pregnancy of the mother] Ehrengut W.
Dtsch Med Wochenschr 96:1144-5, 25 Jun 71 (Ger)
[Progress and problems on the field of smallpox vaccination] Esche P vor dem.
Hippokrates 41:453-61, Dec 70 (Ger)
[What to do in cases of suspected smallpox? Experience with imported and suspected cases] Ippen H, et al.
Internist (Berlin) 12:305-8, Aug 71 (Ger)
[Betrayal of science]
Med Monatsschr 24:141-2, Apr 70 (Ger)
[Dried vaccine against smallpox. A technical progress for vaccination by the family doctor] Hochstein-Mintzel V, et al.
Munch Med Wochenschr 112:239-40, 6 Feb 70 (Ger)
[Indications for antigens prevaccination against smallpox] Sticki H.
Munch Med Wochenschr 13:57, 8 Jan 71 (Ger)
[Intracutaneous smallpox vaccination with a weak pathogenic vaccinia virus ("MVA virus")] Sticki H, et al.
Munch Med Wochenschr 113:1149-53, 27 Aug 71 (Ger)
[Smallpox vaccination] Anders W.
Oeff Gesundheitswes 31:625-32, Dec 69 (Ger)
[Preventive vaccinations] Itri GB.
Ann Med Nav (Roma) 74:617-21, Sep-Oct 69 (Ita)
[Smallpox vaccination] Cadrobbi P.
;G Mal Infett Parassit 22:265-73, Apr 70 (Ita)
[Reactions and complications caused by preventive vaccinations] Del Campo A.
G Mal Infett Parassit 22:249-63, Apr 70 (Ita)
[Distamycin A in the treatment of cutaneous localizations of herpes virus and of complications of jennerian vaccination] Scarzella M.
Minerva Pediatr 22:1444-8, 14 Jul 70 (Ita)
[Complications of antismallpox vaccination: 1947-1967] Ulivelli A, et al.
Riv Clin Pediatr 81:1163-7, Nov-Dec 68 (Ita)
[Smallpox vaccination] Gaustad V.
Tidsskr Nor Laegeforen 91:137-9, 20 Jan 71 (Nor)
[Anti-smallpox vaccination in children under 6 months of age] Wiehe W.
Bol Of Sanit Panam 70:260-3, Mar 71 (Por)
[Vaccination of Xikrin, Suruí and Gaviao Indians against smallpox] Vieira Filho JP.
Rev Assoc Med Bras 16:357-60, Oct 70 (Por)
[Post-vaccinal encephalitis in an infant with latent herpes infection] Drăgănescu N, et al.
Stud Cercet Inframicrobiol 21:385-9, 1970 (Rum)
[Use of gamma-globulin for prevention and treatment of postvaccinal complications] Guseva LN, et al.
Klin Med (Mosk) 49:113-6, Apr 71 (Rus)
[Smallpox vaccination in children with infantile eczema] Befrakh IS, et al.
Pediatriia 50:68-71, Jan 71 (Rus)
[Use of jet injectors for smallpox immunization. 2. Immunologic response to experimental intradermal jet injector administration of smallpox vaccine] Akatova-Sheiukhina EM, et al.
Vopr Virusol 15:312-6, May-Jun 70 (Rus)
[Significance of preliminary treatment of lymphoid tissue with antigen in the process of hyperreproduction of anti-viral antibody] Georgadze IA, et al. Vopr Virusol 16:185-9, Mar-Apr 71 (Rus)
[Smallpox vaccine inactivated by gamma-rays: its antigenic and immunogenic properties] Matsevich GR, et al. Vopr Virusol 15:316-22, May-Jun 70 (Rus)
[New Soviet preparation, Metisazone, and its effect on the course of reaction to smallpox revaccination] Beliaev NV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:70-2, Feb 71 (Rus)
[A trial of the preventive effect of methisazone upon smallpox vaccination of children with relative contraindications] Bondarev VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:22-6, Sep 70 (Rus)
[Dynamics of smallpox antibodies in children following vaccination and primary revaccination] Denisov GM, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:31-3, 1971 (Rus)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)
[New method of obtaining and clinical use of human anti-smallpox gamma globulin of directed action] Papko GF.
Zh Mikrobiol Epidemiol Immunobiol 48:66-70, Feb 71 (Rus)
[Anti-smallpox immunity in children with different blood groups of the ABO system] Sokhin AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:33-8, 1971 (Rus)
[Evaluation of combined attenuvax-smallpox vaccine in Chile] Borgoño JM, et al.
Bol Of Sanit Panam 70:219-25, Mar 71 (Spa)
[Prevention of communicable diseases in Mexico. II. Smallpox] Vilchis-Villaseñor J.
Gac Med Mex 101:144-53, Feb 71 (Spa)
[Our defense against small pox is an illusion] Lakartidningen 68:98-9, 6 Jan 71 (Swe)

THERAPY

Antiserum against smallpox. Br Med J 4:385-6, 14 Nov 70

SMALLPOX VACCINE (D12)

The skin and vaccination against smallpox. Copeman PW, et al. Br J Dermatol 84:169-73, Feb 71 (31 ref.)
Smallpox eradication in Brazil, 1967-69. Carvalho Filho ES de, et al. Bull WHO 43:797-807, 1970
Smallpox vaccination after the first birthday--is anyone listening? Polk LD.
Clin Pediatr (Phila) 10:131-2, Mar 71
Mass campaign against smallpox in Thailand. Trishnananda M. Int J Dermatol 10:29-30, Jan-Mar 61
Osteo-articular complications of smallpox vaccination. Singhal RK. J Indian Med Assoc 55:20-2, 1 Jul 70
Smallpox vaccination for chronic herpetic ulcers. JAMA 214:762, 26 Oct 70
Effect of residual moisture content on stability of dried smallpox vaccine. Suzuki M.
Kitasato Arch Exp Med 43:23-8, Jun 70
The introduction of jet injection mass vaccination into the national smallpox eradication program of Brazil. Millar JD, et al. Trop Geogr Med 23:89-101, Mar 71
Brief history of epidemiology and control of smallpox in Turkey and recent developments in vaccine production. Oziliarda E.
Turk Hij Tecr Biyol Derg 29:187-99, 1969
The effect of the smallpox eradication measles control programme on measles admissions to the Lagos infectious diseases hospital Yaba Nigeria. Smith EA, et al. West Afr Med J 19:51-6, Apr 70
[On antismallpox vaccination in France. Year 1966] Martin-Bouyer G, et al.
Bull Inst Nati Sante Rech Med 24:267-75, Mar-Apr 69 (Fre)
[The hazzard child: permanent exemption from smallpox vaccination?] Ehrengut W.
Dtsch Med Wochenschr 96:711, 16 Apr 71 (Ger)
[Vaccine antigen dosage prior to protective smallpox vaccination] Ehrengut W.
Dtsch Med Wochenschr 96:564, 26 Mar 71 (Ger)
[Smallpox vaccination in overaged subjects vaccinated for the 1st time] Ehrengut W.
Dtsch Med Wochenschr 96:1482, 10 Sep 71 (Ger)
[Maternal-fetal transfer of vaccine antibodies] Sticki H, et al.
Monatsschr Kinderheilkd 118:606-8, Nov 70 (Ger)
[Dried vaccine against smallpox. A technical progress for vaccination by the family doctor] Hochstein-Mintzel V, et al.
Munch Med Wochenschr 112:239-40, 6 Feb 70 (Ger)
[Smallpox vaccination with a lyophilized vaccine, carried out in children population in the commune of Ortona in the 3-year period, 1967-1970] Pettorossi A, et al. G Mal Infett Parassit 22:649-53, Sep 70 (Ita)
[Symposium on problems involved in vaccination] Tagaya I, et al.
J Jap Assoc Infect Dis 45:229-35, Jun 71 (Jap)
[Smallpox vaccination] Tagaya I.
J Jap Med Assoc 65:729-39, 15 Mar 71 (Jap)
[Anti-smallpox vaccination in children under 6 months of age] Wiehe W.
Bol Of Sanit Panam 70:260-3, Mar 71 (Por)
[Vaccination of Xikrin, Suruí and Gaviao Indians against smallpox] Vieira Filho JP.
Rev Assoc Med Bras 16:357-60, Oct 70 (Por)
[Method for determination of smallpox vaccine immunogenicity in white mice] Chimishkian KL, et al.
Vopr Virusol 15:244-6, Mar-Apr 70 (Rus)
[Smallpox vaccine inactivated by gamma-rays: its antigenic and immunogenic properties] Matsevich GR, et al. Vopr Virusol 15:316-22, May-Jun 70 (Rus)
[New Soviet preparation, Metisazone, and its effect on the course of reaction to smallpox revaccination] Beliaev NV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:70-2, Feb 71 (Rus)
[Dynamics of smallpox antibodies in children following vaccination and primary revaccination] Denisov GM, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:31-3, 1971 (Rus)
[Anti-smallpox immunity in children with different blood groups of the ABO system] Sokhin AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:33-8, 1971 (Rus)
[Evaluation of combined attenuvax-smallpox vaccine in Chile] Borgoño JM, et al.
Bol Of Sanit Panam 70:219-25, Mar 71 (Spa)
[Prevention of communicable diseases in Mexico. II. Smallpox] Vilchis-Villaseñor J.
Gac Med Mex 101:144-53, Feb 71 (Spa)

ADMINISTRATION & DOSAGE

Simultaneous administration of live virus vaccines. Measles, mumps, poliomyelitis, and smallpox. Karchmer AW, et al. Am J Dis Child 121:382-8, May 71
Inoculation leprosy subsequent to small-pox vaccination. Sehgal VN, et al.
Dermatologica 141:393-6, 1970
Take rates by double versus single insertions of smallpox vaccine in revaccinees. Lane JM, et al.
Public Health Rep 85:928-32, Oct 70
[The use of a plastic wound dressing in smallpox vaccination] Lafrenz M.
Dtsch Gesundheitsw 26:702-4, 8 Apr 71 (Ger)
[Vaccination in urticaria pigmentosa] Ehrengut W.
Dtsch Med Wochenschr 96:134, 15 Jan 71 (Ger)
[Use of jet injectors for smallpox immunization. 2. Immunologic response to experimental intradermal jet injector administration of smallpox vaccine] Akatova-Sheiukhina EM, et al.
Vopr Virusol 15:312-6, May-Jun 70 (Rus)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)

ADVERSE EFFECTS

Field evaluation of combined more attenuated live measles (Moraten)-smallpox vaccine in Honduras and Costa Rica. Villarejos VM, et al.
Am J Epidemiol 93:384-91, May 71
Treatment with methisazone of complications following smallpox vaccination. Jaroszyńska-Weinberger B.
Arch Dis Child 45:573-80, Aug 70
Skin and vaccination against smallpox. MacCallum FO.
Br J Dermatol 84:602, Jun 71
Vaccinia in a patient with acne. May DG.
Br Med J 1:505-6, 27 Feb 71
Eczema vaccinatum. Report of four cases by contact-infection. Treatment with methisazone (Marboran). Grosfeld JC, et al.
Dermatologica 141:1-10, 1970
Complications of smallpox vaccination, 1968: results of ten statewide surveys. Lane JM, et al.
J Infect Dis 122:303-9, Oct 70
Complications of smallpox vaccination in Kentucky in 1968. Results of a statewide survey. Nitzkin JL, et al.
J Ky Med Assoc 69:184-90, Mar 71
Progressive vaccinia complicating lymphosarcoma. Dixon MF. J Pathol 100:53-67, Jan 70
Complications of smallpox vaccination in Washington, 1968. Thompson RS, et al.
Northwest Med 70:180-4, Mar 71
[Dermatologic contraindications in prophylactic vaccination] Harnack K.
Dtsch Gesundheitsw 25:2085-8, 29 Oct 70 (Ger)
[EEG-course studies of central nervous system complications within the scope of smallpox vaccination] Wässer S, et al.
Dtsch Gesundheitsw 26:1211-6, 24 Jun 71 (Ger)
[Diseases before smallpox vaccination as a dispositional factor?] Ehrengut W.
Dtsch Med Wochenschr 96:480, 12 Mar 71 (Ger)
[Vaccinia secundaria tarda] Farkas E, et al.
Kinderaerztl Prax 38:118-22, Mar 70 (Ger)
[Accidental revaccination with an unusual course of illness. Case report] Bader RE, et al.
Munch Med Wochenschr 113:677-9, 23 Apr 71 (Ger)
[Most favorable age for smallpox vaccination. With consideration of "postvaccination" fatalities and convulsions] Ehrengut W, et al.
Munch Med Wochenschr 110:2291-300, 4 Oct 68 (Ger)
[Use of the electron microscope in the diagnosis of obscure virus infection s. Herpesvirus encephalitis and post-vaccinal keratitis] Löffler H, et al.
Pathol Microbiol (Basel) 36:324, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Influence of the vaccine on the frequency of fatalities after smallpox vaccination] Berger K.
Wien Med Wochenschr 120:717-23, 17 Oct 70 (Ger)
[Iconographic presentation of a case of bullous epidermal necrolysis during vaccination in a mongoloid subject] Debenedetti L.
Minerva Pediatr 21:2136-8, 10 Nov 69 (Ita)
[Current status of complications of smallpox vaccination] Hirayama M.
Jap J Clin Med 29:1161-5, 1971 (Jap)
[Side reaction following smallpox vaccination] Kimura M. Jap J Clin Med 29:1166-71, 1971 (24 ref.) (Jap)
[Kaposi's varicelliform eruption caused by vaccinia virus in patients with pemphigus foliaceus. Report of 2 cases] Proença N, et al.
An Bras Dermatol 45:353-8, Oct-Dec 70 (Por)
[Use of gamma-globulin for prevention and treatment of postvaccinal complications] Guseva LN, et al.
Klin Med (Mosk) 49:113-6, Apr 71 (Rus)
[Smallpox vaccination in children with infantile eczema] Befrakh IS, et al.
Pediatriia 50:68-71, Jan 71 (Rus)
["Vaccine" eczema] Gol'dshtein LM, et al.
Pediatriia 49:77-8, Nov 70 (Rus)
[Smallpox vaccination of children with skin diseases] Beliaev NV, et al.
Vestn Dermatol Venerol 43:72-3, Aug 69 (Rus)
[The Soviet preparation Metisazon in the treatment of postvaccination skin complications] Beliaev NV, et al.
Vestn Dermatol Venerol 44:72-4, Mar 70 (Rus)
[Results of virological and immunological studies in children with complications following smallpox vaccination] Bondarev VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:72-7, Nov 70 (Rus)
[New method of obtaining and clinical use of human anti-smallpox gamma globulin of directed action] Papko GF.
Zh Mikrobiol Epidemiol Immunobiol 48:66-70, Feb 71 (Rus)
[Infantile eruptive papulosis syndrome] Cabre J.
Actas Dermosifiliogr 61:235-40, Jul-Aug 70 (Spa)

HISTORY

Muddy river and Boylston's 250th. (Boylston Z), Moore FD. N Engl J Med 284:1438-9, 24 Jun 71
[The 200th anniversary of the death of János Raymann, pioneer of smallpox vaccination] (Raymann J), Duka Zólyomi N. Orv Hetil 111:2969-70, 13 Dec 70 (Hun)
[Ferenc Bene and the 1st smallpox vaccination in Budapest] (Bene F), Friedrich I.
Orv Hetil 112:811-2, 4 Apr 71 (Hun)

PHARMACODYNAMICS

[Immunogenesis and non-specific factors of natural resistance. VI. Changes in animal serum properdin concentration following immunization with different vaccinating preparations] Pletsityf DF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:17-21, Sep 70 (Rus)

STANDARDS

Possible alternatives to routine smallpox vaccination in the United States. Benenson AS.
Am J Epidemiol 93:248-52, Apr 71
Contribution to the standardisation of the biological control of anti-smallpox immunoglobulins (antisera). Link F, et al. Progr Immunobiol Stand 4:141-4, 1970
[Control methods of smallpox vaccine produced in Rumania] Gartner M, et al.
Arch Roum Pathol Exp Microbiol 29:29-33, Mar-Jun 70 (Fre)
[Dry smallpox vaccine in Indonesia] Ehrengut W.
Dtsch Med Wochenschr 96:131, 15 Jan 71 (Ger)

THERAPEUTIC USE

Treatment of infective warts with small-pox vaccine--a preliminary report. Roychowdhury DS, et al.
Bull Calcutta Sch Trop Med 17:115-6, Oct 69
[Therapeutic modification of recurring herpes simplex by blood group selection?] Dietz O, et al.
Dermatol Monatsschr 155:700-8, 1969 (Ger)
[Oncolysis in lymph-node metastases of melanoma] Tritsch H.
Dtsch Med Wochenschr 95:2432-3, 27 Nov 70 (Ger)
[New therapeutic experiments in metastasizing melanoma] Gartmann H.
Hippokrates 41:532-4, Dec 70 (Ger)
[The treatment of melanoma metastases with smallpox vaccine and Freund's adjuvant] Herrmann WP, et al.
Munch Med Wochenschr 112:1916, 16 Oct 70 (Ger)

SMALLPOX VIRUS (B4)

The clinical and laboratory diagnosis of variola minor (alastrim). Flewett TH.
Br J Clin Pract 24:397-402, Sep 70
Airborne transmission of smallpox.
Br Med J 4:127, 17 Oct 70
Airborne transmission of smallpox.
South Med J 64:375-6, Mar 71
[Contribution of electron microscopy to rapid diagnosis of a vaccinal penile lesion] Montplaisir S, et al. Union Med Can 99:653-6, Apr 70 (Fre)
[Attempts to use the interference phenomenon for detecting several mice leukemia viruses in tissue culture] Merekalova ZI.
Biull Eksp Biol Med 68:74-6, Jun 69 (Rus)
[Lymphocyte transformation in human blood in contact with smallpox virus] Gurvich EB, et al.
Dokl Akad Nauk SSSR 184:460-2, Jan 69 (Rus)

DRUG EFFECTS

The inhibition of variola minor virus multiplication by rifampicin. Pennington TH.
Arch Gesamte Virusforsch 31:281-92, 1970

GROWTH & DEVELOPMENT

Endemic smallpox in rural East Pakistan. II. Intervillage transmission and infectiousness. Thomas DB, et al. Am J Epidemiol 93:373-83, May 71
Studies on the hyperplastic focus formation by variola virus in human cell cultures. 3. Virus growth and focus formation in HeLa cells cultured at supraoptimal temperatures. Kitamura T.
Jap J Med Sci Biol 24:153-62, Jun 71

IMMUNOLOGY

Haemaggiutination-inhibiting variola antibodies in blood serum of former smallpox patients, their healthy siblings, and unvaccinated controls from other areas. Chakravartti MR, et al.
Humangenetik 11:336-8, 1971
Clinical, virological & serological studies on monkey after intravenous inoculation of virulent variola virus. Ray S, et al. Indian J Exp Biol 8:118-20, Apr 70

ISOLATION & PURIFICATION

Assessment of aerosol mixtures of different viruses. Mayhew CJ, et al. Appl Microbiol 20:313-6, Sep 70
Plaque assay of variola virus in a cynomolgus monkey kidney cell line. Tsuchiya Y, et al.
Arch Gesamte Virusforsch 32:73-81, 1970
[Progress and problems on the field of smallpox vaccination] Esche P vor dem.
Hippokrates 41:453-61, Dec 70 (Ger)
[Laboratory methods for the diagnosis of variola] Harboe A.
Tidsskr Nor Laegeforen 91:93-4, 20 Jan 71 (Nor)
[Analysis of specimens for the diagnosis of smallpox in a laboratory of Brazil] Schatzmayr HG, et al.
Bol Of Sanit Panam 69:500-4, Dec 70 (Spa)

PATHOGENICITY

Comparative studies on the properties of variola virus strains. II. Pathogenicity for suckling mice and gamma-irradiated adult white mice. Shafikova RA, et al. Acta Virol (Praha) 15:321-3, Jul 71
Histochemical studies of chick embryo chorio-allantoic membranes infected with vaccinia and smallpox viruses. I. Glycogen, glycoproteins and mucopolysaccharides. Towiańska A.
Bull Inst Mar Med Gdansk 22:85-92, 1971
Clinical, virological & serological studies on monkey after intravenous inoculation of virulent variola virus. Ray S, et al. Indian J Exp Biol 8:118-20, Apr 70
[Effect of incubation temperature on the development of specific lesions caused by smallpox virus] Marennikova SS, et al.
Vopr Virusol 15:239-40, Mar-Apr 70 (Rus)
[Characteristics of strains of smallpox virus isolated from various forms of the disease] Shafikova RA, et al.
Vopr Virusol 15:699-702, Nov-Dec 70 (Rus)

RADIATION EFFECTS

[Smallpox vaccine inactivated by gamma-rays: its antigenic and immunogenic properties] Matsevich GR, et al. Vopr Virusol 15:316-22, May-Jun 70 (Rus)

SMELL (F1, G1)

see also related
ANOSMIA (C11)
ODORS (G3)

Olfaction guided approaching behaviour of infantile rats to the mother in maze box. Nyakas C, et al.
Acta Physiol Acad Sci Hung 38:59-65, 1970
Spatial distribution of receptor-responses to stimulation with different odours. Mustaparta H.
Acta Physiol Scand 82:154-66, Jun 71
Olfactory acuity, menstrual abnormalities, and oocyte status. Marshall JR, et al.
Ann Intern Med 75:207-11, Aug 71
Sensory mechanisms of homing in salmonids: a comment. Peters M. Behaviour 39:18-9, 1971
Odour qualities: a glossary of usage. Bate-Smith EC.
Br J Psychol 59:231-52, Aug 68
Haloforms: sweet taste of smell? Henkin RI, et al.
Experientia 27:154-5, 15 Feb 71
Assembling and alerting scents produced by the bedbug Cimex lectularius L. Levinson HZ, et al.
Experientia 27:102-3, 15 Jan 71
Odor discrimination in pigeons following section of the olfactory nerves. Henton WW, et al.
J Comp Physiol Psychol 69:317-23, Oct 69
Utilization of odor trails by rats in maze learning. Means LW, et al. J Comp Physiol Psychol 76:160-4, Jul 71
Modification of copulatory behavior in the female rat following olfactory bulb removal. Moss RL.
J Comp Physiol Psychol 74:374-82, Mar 71
Lateralization of olfactory memory in the split-brain rat. Teitelbaum H.
J Comp Physiol Psychol 76:51-6, Jul 71
Effects of propanol masking odor on the olfactory intensity scaling of eugenol. Mitchell MJ, et al.
J Exp Psychol 87:309-13, Mar 71
Between-subject variation and within-subject consistency of olfactory intensity scaling. Mitchell MJ, et al. J Exp Psychol 89:314-8, Aug 71
Evidence for a chromatographic model of olfaction. Mozell MM. J Gen Physiol 56:46-63, Jul 70
Cross-modal congruity: visual and olfactory. Henion KE. J Soc Psychol 81:15-23, Jun 70
Idiopathic hypogeusia with dysgeusia, hyposmia, and dysosmia. A new syndrome. Henkin RI, et al.
JAMA 217:434-40, 26 Jul 71
Dogs in diagnosis. Mulder DJ. Lancet 2:555, 4 Sep 71
Evidence for the difference between the odours of the optical isomers (4)- and (-)-carvone. Leitereg TJ, et al.
Nature (Lond) 230:455-6, 16 Apr 71
Olfactory imprinting in a precocial mammal.
Müller-Schwarze D, et al.
Nature (Lond) 229:55-6, 1 Jan 71
Role of the pineal gland in growth restraint of adult male rats by light and smell deprivation. Sorrentino S Jr, et al. Neuroendocrinology 8:116-24, 1971
The molecular parameters of olfactory response. Beets MG. Pharmacol Rev 22:1-34, Mar 70 (99 ref.)
Mammalian scent marking. Ralls K.
Science 171:443-9, 5 Feb 71
Olfactory and gustatory problems. An introduction to the technological, nutritional and physiological aspects of the organoleptic assessments of food characteristics. Kouwenhoven T.
World Rev Nutr Diet 12:318-76, 1970 (99 ref.)
On the stimulus conducting structures in insect olfactory receptors. Steinbrecht RA, et al.
Z Zellforsch Mikrosk Anat 117:570-5, 1971
[Objective method of olfactometry in laryngectomized patients] Rous J, et al.
Cesk Otolaryngol 20:13-22, Feb 71 (Cse)
[Olfactory hallucinations and parosmic anxiety] Bourgeois M.
Ann Med Psychol (Paris) 1:377-402, Mar 71 (Fre)
[Centrifugal control of olfactory afferences as function of satiety or hunger states in rats] Giachetti I, et al.
C R Soc Biol (Paris) 164:841-6, 1970 (Fre)
[Neurophysical effect of Bulgarian essential oils from rose, lavender and geranium] Tašev T, et al.
Folia Med (Plovdiv) 11:307-17, 1969 (Fre)
[Is the body weight regulated owing to variations in the pleasure of alimentary perceptions] Cabanac M, et al.
J Physiol (Paris) 62:Suppl 2:258, 1970 (Fre)
[Local electroolfactogram and olfactory discrimination in frogs] Daval G, et al.
J Physiol (Paris) 62:477-88, Nov-Dec 70 (Fre)
[Physiology of olfaction] Chouard CH.
Probl Actuels Otorhinolaryngol 125-62, 1968 (Fre)
[Relations between respiratory allergy and smell] Perrin C, et al.
Rev Fr Allergol 10:273-81, Oct-Dec 70 (Fre)
[What is the lifactor function problem today?] Steiner W. Aesthet Med (Berl) 18:209-18, 20 Nov 69 (Ger)
[Clinical studies with an impulse-olfactometer] Giesen M, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:377-80, 1970 (Ger)
[Changing effects of olfactory nerve threshold and food intake] Kittel G, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:381-4, 1970 (Ger)
[Influence of one-side nasal respiratory occlusion on the olfactory threshold values] Rous J, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:374-7, 1970 (Ger)
[NTC-thermistors as odor-sensible elements in a so-called artificial nose] Herberhold C.
Biomed Tech (Stuttg) 16:127-30, Aug 71 (Ger)
[Pathogenesis of disorders of smell and taste] Hansen D. Dtsch Med Wochenschr 96:1196-200, 9 Jul 71 (Ger)
[A simple olfactometer] Eyferth K.
HNO 17:14-5, Jan 69 (Ger)
[Occupational olfactory disorders] Lehnhardt E, et al.
HNO 17:104-6, Apr 69 (Ger)
[Enzyme maturation in the smell organ and telencephalon of Ambystoma mexicanum] Wenk H, et al. Z Mikrosk Anat Forsch 82:93-121, 1970 (Ger)
[On temperature dependance of olfactory sensitivity to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

isobutyric acid in congenital hyposmia] Tassoni G. Valsalva 45:19-24, Feb 69 (Ita)
[Supra-threshold-stimulus test in olfactory disorders] Tokuda K. J Otolaryngol Jap 73:1474-87, Sep 70 (Jap)
[Olfactometry by means of pupillary reaction] Nishida H, et al. Otolaryngology (Tokyo) 43:425-31, Jun 71 (Jap)
[Examination of the hearing, the vestibular system functions, taste and olfactory systems in patients with disseminated sclerosis] Wender M, et al. Neurol Neurochir Pol 5:179-84, 1971 (Pol)
[Measurement of the discrimination of the human olfactory analyzer] Makarov PO, et al. Biofizika 14:945-7, Sep-Oct 69 (Rus)
[Method of frontal sinus fistulation in studies of smell in dogs] Tekutov PF, et al. Fiziol Zh SSSR 56:1502-5, Oct 70 (Rus)
[A method of studying the critical interval of discreteness in the human olfactory analyzer] Makarov PO, et al. Nerv Sist 10:154-6, 1969 (Rus)
[Olfactory adequatometry] Sviatala LP. Nerv Sist 10:150-3, 1969 (Rus)
[New model of a clinical impulse olfactometer] Kitsera AE. Zh Ushn Nos Gorl Bolezn 31:95-7, May-Jun 71 (Rus)
[Reactions to odors in dogs with different types of higher nervous activity] Korytin SA, et al. Zh Vyssh Nerv Deiat 21:545-51, 1971 (Rus)
[Anatomy and surface structure of the olfactory region] Andersson A, et al. Lakartidningen 68:2930-6, 16 Jun 71 (Swe)
[Formation and strenghthening of food conditioned reflexes from scent analyzer in fish (carp) in ontogeny] Troshikhin VO, et al. Fiziol Zh 14:812-4, Nov-Dec 68 (Ukr)

DRUG EFFECTS

Clomiphene therapy in hypogonadotrophism with defective olfaction. Nankin HR, et al. Ann Intern Med 73:660-1, Oct 70
[Treatment of post-influenzal cacosmia with local injections of hydrocortisone] Szmeja Z, et al. HNO 17:53-4, Feb 69 (Ger)
[CS2-effects upon olfactory and auditory functions of employees in the synthetic-fiber industry] Zenk H. Int Arch Arbeitsmed 27:210-20, 1970 (Ger)

SMILING see under FACIAL EXPRESSION (E1, F1)

SMOG see under AIR POLLUTION (G3)

SMOKE see under AIR POLLUTION (G3)

SMOKING (F1)

A twin study of the influence of smoking on morbidity and mortality. Hauge M, et al. Acta Genet Med Gemellol (Roma) 19:335-6, Jan-Apr 70
Hypnosis and smoking: a review of the literature. Johnston E, et al. Am J Clin Hypn 13:265-72, Apr 71 (28 ref.)
Effect of nausea on human gastric secretory responses. Cohen MM, et al. Am J Dig Dis 16:156-9, Feb 71
The future of an illusion. Terry LL. Am J Public Health 61:233-40, Feb 71
Reduction of cigarette smoke ciliotoxicity by certain tobacco additives. Dalhamn T, et al. Am Rev Resp Dis 103:855-7, Jun 71
Cigarette smoke and tracheal mucus transport rate. Isolation of effect of components of smoke. Weissbecker L, et al. Am Rev Resp Dis 104:182-7, Aug 71
A preliminary investigation of some immunologic aspects of tobacco use. Wray BB. Am Rev Resp Dis 102:969, Dec 70
Systematic studies on the breakdown of p,p'-DDT in tobacco smokes. II. Isolation and identification of degradation products from the pyrolysis of p,p'-DDT in a nitrogen atmosphere. Chopra NM, et al. Anal Chem 43:849-53, Jun 71
High resolution field ionization mass spectrometry of the condensable phase of cigarette smoke. Forehand JB, et al. Anal Chem 42:1839-41, Dec 70
Quantitative determination of nitrobenzenes in cigarette smoke. Hoffmann D, et al. Anal Chem 42:1643-7, Nov 70
A colorimetric method for the determination of total oxides of nitrogen in cigarette smoke. Scherbak MP, et al. Analyst 95:964-8, Nov 70
Heart rate and carbon monoxide level after smoking high-, low-, and non-nicotine cigarettes. A study in male patients with angina pectoris. Aronow WS, et al. Ann Intern Med 74:697-702, May 71
Thickness of walls of myocardial arterioles in relation to smoking and age. Findings in men and dogs. Auerbach O, et al. Arch Environ Health 22:20-7, Jan 71
Effects of cigarette smoking on dogs. II. Pulmonary neoplasms. Auerbach O, et al. Arch Environ Health 21:754-68, Dec 70
Carbon monoxide uptake in cigarette smoking. Cohen SI, et al. Arch Environ Health 22:55-60, Jan 71
Nasal absorption of organic matter in animal experiments. I. Experimental technique and tobacco smoke absorption. Dalhamn T, et al. Arch Environ Health 22:554-6, May 71
Effects of cigarette smoking on dogs. Hammond EC, et al. Arch Environ Health 21:740-53, Dec 70
Comments on Glauser et al's article. Haynes JL, et al. Arch Environ Health 22:409, Mar 71
Comment on smoking dogs. Sterling TD. Arch Environ Health 22:631-2, May 71
Lecithin biosynthesis in cigarette smoking dogs. Balint JA, et al. Arch Intern Med 127:740-7, Apr 71
Observations on the diurnal variation of some inorganic constituents of human parotid saliva in smokers and non-smokers. Dogon IL, et al. Arch Oral Biol 16:95-105, Jan 71
An extreme example of Buerger's disease. Cabezas-Moya R, et al. Arch Surg 101:633-4, Nov 70
Application of fluorimetry in smoke measurement. Gentilizza M, et al. Atmos Environ 5:103-9, Feb 71
Local anaesthesia and cigarette smoking. Woods R. Aust Dent J 15:332-3, Aug 70
A short duration group treatment of smoking behavior by stimulus saturation. Marrone RL, et al. Behav Res Ther 8:347-52, Nov 70
Ballistocardiographic smoking tests in myxoedema. Buchanan J. Bibl Cardiol 26:89-93, Mar-Apr 69
The metabolism of nicotine into two optically-active stereoisomers of nicotine-1'-oxide by animal tissues in vitro and by cigarette smokers. Booth J, et al. Biochem Pharmacol 19:733-42, Mar 70
Reverse smoking in Andhra Pradesh, India: a study of palatal lesions among 10,169 villagers. Pindborg JJ, et al. Br J Cancer 25:10-20, Mar 71
The mechanism of carcinogenesis by the neutral fraction of cigarette smoke condensate. Roe FJ, et al. Br J Cancer 24:788-806, Dec 70
Cigarette smoking: natural history of a dependence disorder. Russell MA. Br J Med Psychol 44:1-16, Mar 71
Measurement and prontout of average heart rate using digital techniques. Armitage AK, et al. Br J Pharmacol 40:588P+, Nov 70
Smoking behaviour and its relation to the smoker's immediate experience. Frith CD. Br J Soc Clin Psychol 10:73-8, Feb 71
Smoking motivation factos. McKennell AC. Br J Soc Clin Psychol 9:8-22, Feb 70
Puffing frequency and nicotine intake in cigarette smokers. Ashton H, et al. Br Med J 3:679-81, 19 Sep 70
Medical students and smoking. Ball K. Br Med J 4:367, 7 Nov 70
Smoking, lung cancer, and asthma. Ford RM. Br Med J 3:372, 7 Aug 71
Cigarette dependence. I. Nature and classification. Russell MA. Br Med J 2:330-1, 8 May 71
Cigarette dependence. Turnbull MJ, et al. Br Med J 3:115, 10 Jul 71
Varieties of smoke. Br Med J 3:656, 18 Sep 71
Cigarette smoking and the responsibility of the hospital physician. Ball K. Bronches 20:307-12, Sep-Oct 70
Smoking withdrawal in the reduction of risk of lung cancer. Graham S, et al. Cancer 27:865-71, Apr 71
Evidence for the origin of monoalkenes in cigarette smoke. Schlotzhauer WS, et al. Chem Ind 43:1377-8, 24 Oct 70
The effect of smoking cigarettes on the apexcardiogram in coronary heart disease. Aronow WS. Chest 59:365-8, Apr 71
Cigarette smoking: questions patients ask doctors. 2. Fredrickson DT. Chest 58:369-70, Oct 70
Bronchogenic carcinoma, a largely preventable lesion assuming epidemic proportions. Ochsner A. Chest 59:356-9, Apr 71
Cigarette smoking and pulmonary diffusing capacity. Van Ganse WF, et al. Chest 59:Suppl:33S, May 71
Differential cytological and cytochemical responses of various cultures from mouse tissues to repeated exposres to puffs from the gas phase of charcoal-filtered fresh cigarette smoke. Leuchtenberger C, et al. Exp Cell Res 62:161-72, Sep 70
The thorium-series in cigarettes and lungs of smokers. Joyet G. Experientia 27:85-9, 15 Jan 71
Permissive attitude toward smoking disputed. Thau M. Geriatrics 26:80, Jan 71
Letters to the editor: changes in tast sensitivity with advancing age. Fischer R, et al. Gerontol Clin (Basel) 12:314-5, 1970
The economic costs of cigarette smoking. Hedrick JL. HSMHA Health Rep 86:179-82, Feb 71
Carcinoma of the palate in Visakhapatnam area. Reddy CR, et al. Indian J Cancer 8:84-91, Jun 71
Smoking, drugs and alcohol in Dublin secondary schools. O'Rourke A, et al. Ir J Med Sci 140:230-41, May 71
Smoking on campus. Dilley JW. J Am Coll Health Assoc 19:230-4, Apr 71
The dentist's role in helping patients to stop smoking. Christen AG. J Am Dent Assoc 81:1146-52, Nov 70
Stimulation of lung irritant receptors by cigarette smoke, carbon dust, and histamine aerosol. Sellick H, et al. J Appl Physiol 31:15-9, Jul 71
Flame photometric detection of volatile sulphur compounds in smoke from various types of cigarettes. Groenen PJ, et al. J Chromatogr 57:239-46, 6 May 71
Smoking and personality: a methodological analysis. Lebovits B, et al. J Chronic Dis 23:813-21, Mar 71
Human alveolar macrophages: comparison of phagocytic ability, glucose utilization, and ultrastructure in smokers and nonsmokers. Harris JO, et al. J Clin Invest 49:2066-96, Nov 70
Deposition and clearance of 2 micron particles in the tracheobronchial tree of normal subjects--smokers and nonsmokers. Lourenço RV, et al. J Clin Invest 50:1411-20, Jul 71
MMPI item differences between smoker and nonsmoker college freshmen males. Berger EM. J Consult Clin Psychol 36:446, Jun 71
Modification of smoking behavior: good designs--ineffective treatments. Lichtenstein E. J Consult Clin Psychol 36:163-6, Apr 71
Effects of self-monitoring on normal smoking behavior. McFall RM. J Consult Clin Psychol 35:135-42, Oct 70
Comparison of behavior modification approaches to smoking reduction. Marston AR, et al. J Consult Clin Psychol 36:153-62, Apr 71
Some comments on the failure of behavior therapy as a technique for modifying cigarette smoking. Mausner B. J Consult Clin Psychol 36:167-70, Apr 71
From the subject's point of view, when is behavior private and when is it public problems of inference. Orne MT. J Consult Clin Psychol 35:143-7, Oct 70
Comparing behavior modification approaches to habit decrement--smoking. Wagner MK, et al. J Consult Clin Psychol 34:258-63, Apr 70
Initiation of cigarette smoking: is it related to parental smoking behavior? Wohlford P. J Consult Clin Psychol 34:148-51, Apr 70
Relationship between smoking and calculus deposition. Kowalski CJ. J Dent Res 50:101-4, Jan-Feb 71
From my side of the counter. Weber RB. J Fla Med Assoc 58:35-6, Apr 71
Identification of cannabis constituents in the particulate matter of smoke. Fish F, et al. J Forensic Sci Soc 9:37-40, Jul 69
Limitation of smoking by sons and daughters who smoke and smoking behavior of parents. Baer DJ, et al. J Gen Psychol 118:293-6, Jun 71
Influence of cigarette smoking on some blood coagulation tests. Schoendorf T, et al. J Med (Basel) 1:117-28, 1970
Composition studies on tobacco. XLIV. Tumor-promoting activity of subfractions of the weak acid fraction of cigarette smoke condensate. Bock FG, et al. J Natl Cancer Inst 47:429-36, Aug 71
Impairment of oxygen transfer in dyspneic, nonsmoking soft coal miners. Rasmussen DL. J Occup Med 13:300-5, Jun 71
The effect of respiratory irritants on the metabolism of alveolar macrophages. Barry DH, et al. J Pathol 101:Piv, Aug 70
A rapid screen for carcinogenic properties of tobacco condensate. Healey P, et al. J Pathol 101:P18-9, Aug 70
The influence of time of examination, eating, smoking and frequency of brushing on the oral debris index. McKendrick AJ, et al. J Periodont Res 5:205-7, 1970
Facilitating effects of daily contact between partners who make a decision to cut down on smoking. Janis IL, et al. J Pers Soc Psychol 17:25-35, Jan 71
Effects of fear arousal andreassurance on attitude change. Rogers RW, et al. J Pers Soc Psychol 15:227-33, Jul 70
Marihuana: importance of the route of administration. Ho BT, et al. J Pharm Pharmacol 23:309-10, Apr 71
Some effects of experimentally-produced cigarette smoke on the growth, vitamin C metabolism and organ weights of guinea-pigs. Hughes RE, et al. J Pharm Pharmacol 22:823-7, Nov 70
Activity of lung irritant receptors caused by cigarette smoke, dust and histamine aerosol. Sellick H, et al. J Physiol (Lond) 210:54P-57P, Sep 70
Ego-resiliency, ego-control, and smoking cessation. Dubitzky M, et al. J Psychol 70:27-33, Sep 68
Social class trends in the practices and attitudes of college students regarding sex, smoking, drinking, and the use of drugs. Althoff SA, et al. J Sch Health 41:390-4, Sep 71
Smoking and youth: contributions to the study of smoking behavior in high school students. Kahn EB, et al. J Sch Health 40:561-2, Dec 70
Reasons for smoking ad not smoking given by school children. Levitt EE. J Sch Health 41:101-5, Feb 71
Some immediate effects of a smoking environment on children of elementary school age. Luquette AJ, et al. J Sch Health 40:533-6, Dec 70
Smoking: psychosocial, personality, and behavioral factors. Woody RH. J Sch Health 40:427-34, Oct 70
The A Priori pipe. Greene JN. JAMA 215:984, 8 Feb 71
The a priori pipe. Greene JN. JAMA 215:984, 8 Feb 71
Relation of income to body weight in cigarette smokers and nonsmokers. Lincoln JE. JAMA 214:1121, 9 Nov 70
Smoking and the nether esophagus. Ricketts HT. JAMA 217:957, 16 Aug 71
Personality characteristics of medical students as reflected by the Strong vocational interest test with special reference to smoking habits. Thomas CB, et al. Johns Hopkins Med J 127:323-35, Dec 70
Alveolar macrophages. Structural and functional differences between nonsmokers and smokers of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

marijuana and tobacco. Mann PE, et al. Lab Invest 25:111-20, Aug 71
The ultrastructure of alveolar macrophages from human cigarette smokers and nonsmokers. Pratt SA, et al. Lab Invest 24:331-8, May 71
Smoking and neurotic illness. Eastwood MR, et al. Lancet 1:107-8, 16 Jan 71
Giving up smoking. Fletcher CM, et al. Lancet 1:191, 23 Jan 71
The world is an addict. Lancet 2:1019-20, 14 Nov 70
Smoking in hospitals. Lancet 2:147, 17 Jul 71
Cigarette smoke: stimulatory effect of metabolism of 3,4--benzpyrene by enzymes in rat lung. Welch RM, et al. Life Sci [I] 10:215-21, 15 Feb 71
Advertising and smoking. Wakefield J. Manch Med Gaz 50:24-7, Oct 70
Australian bronchitis mortality. Christie D. Med J Aust 1:21-5, 2 Jan 71
History of medical congresses in Australia. Harvey C. Med J Aust 1:615, 13 Mar 71
Smoking and health now. Med J Aust 1:109-10, 16 Jan 71
Cognitive dissonance and the smoking behavior of researchers on smoking. Lebedun M, et al. Mo Med 68:700-3, Sep 71
Smokers, help yourselves. Cooper SF. N Engl J Med 283:1413, 17 Dec 70
Smoking and flying. Scheinberg IH. N Engl J Med 283:1413-4, 17 Dec 70
Possible teratogenic effect of cigarette smoking. Alberman ED, et al. Nature (Lond) 231:529-30, 25 Jun 71
Free radicals in tobacco smoke. Bluhm AL, et al. Nature (Lond) 229:500, 12 Feb 71
Evidence for temporary slowing of mucociliary clearance in the lung caused by tobacco smoking. Pavia D, et al. Nature (Lond) 231:325-6, 4 Jun 71
Premature puff for smoking beagles. Nature (Lond) 230:547-8, 30 Apr 71
Back to the smoking jacket? Nurs Times 67:33, 14 Jan 71
Smoking habits of physicians and their wives. Greenwald P, et al. NY State J Med 71:2096-8, 1 Sep 71
Cigarette advertising. Hay DR, et al. NZ Med J 73:236-7, Apr 71
Adolescent cigarette smoking. Newman IM, et al. NZ Med J 71:161-6, Sep 70
Why do we advertise the chief cause of lung cancer? Read CR. Occup Health Nurs (NY) 19:9-11, Jul 71
Early effects of smoking on surface cytology of the oral mucosa. II. Cell changes in smokers. Meyer J, et al. Oral Surg 30:700-10, Nov 70
The association between smoking and aphthous ulcers. Shapiro S, et al. Oral Surg 30:624-30, Nov 70
Some EPPS differences between smokers and non-smokers. Reiter HH. Percept Mot Skills 30:253-4, Feb 70
Effect of smoking on lipemia after fat meal. Mituzyńska-Stryjecka H, et al. Pol Med J 9:1060-4, 1970
Patients and cigarettes. Kemp R. Practitioner 207:215-20, Aug 71
Effect of cigarette smoke on the cardiovascular system in dogs. Bhagat B, et al. Proc Soc Exp Biol Med 137:969-72, Jul 71
Treatment of smoking by covert sensitization. Cautela JR. Psychol Rep 26:415-20, Apr 70
Internal-external control of reinforcement in smoking behavior. Hjelle LA, et al. Psychol Rep 26:562, Apr 70
Smoking, extraversion, and neuroticism. Kanekar S, et al. Psychol Rep 26:384, Apr 70
Differential effects of nicotine and tobacco smoke alkaloids on swimming endurance in the rat. Bättig K. Psychopharmacologia 18:300-4, 1970
The effect of nicotine and total alkaloids extracted from cigarette smoke on avoidance behavior in rats under extinction procedure. Driscoll P, et al. Psychopharmacologia 18:305-13, 1970
The effect of varying the nicotine content of cigarettes on human smoking behaviour. Frith CD. Psychopharmacologia 19:188-92, 1971
Cardiac rate responses to cigarette smoking: a study utilizing radiotelemetry. Erwin CW. Psychophysiology 8:75-81, Jan 71
The EEG changes associated with smoking. Philips C. Psychophysiology 8:64-74, Jan 71
Psychologic aspects of cigarette smoking in men. A clinical evaluation. Jacobs MA, et al. Psychosom Med 32:469-85, Sep-Oct 70
Tobacco smoke: a noxious air pollutant. A review (and comment). I of II. Swartz H. Rev Allergy 25:397-405, Apr 71
Tobacco smoke: a noxious air pollutant. A review (and comment). II of II. Tobacco smoke: general characteristics and composition. Swartz H. Rev Allergy 25:490-505, May 71 (217 ref.)
Personality of smokers. Contribution to their characteristic from the sexological aspect. Mellan J. Rev Czech Med 17:19-24, 1971
Lung diffusing capacity. Normal values in male smokers and non-smokers using the breath-holding technique. Teculescu DB, et al. Scand J Resp Dis 51:137-49, 1970
Marihuana components: effects of smoking on delta-9-tetrahydrocannabinol and cannabidiol. Mikes F, et al. Science 172:1158-9, 11 Jun 71
Changes in airways conductance on smoking a cigarette. A study of repeatability and of the effect of particulate and vapour phase filters. Clarke BG, et al. Thorax 25:418-22, Jul 70
Acute pulmonary effects of smoking a reference cigarette. Diamond L, et al. Toxicol Appl Pharmacol 18:638-48, Mar 71
Elevated carbon monoxide levels from smoking in blood donors. Shields CE. Transfusion 11:89-93, Mar-Apr 71
[Cigarette smoking and infarction changes on the electrocardiogram] Zdichynec B, et al. Cas Lek Cesk 110:256-7, 12 Mar 71 (Cse)
[Danish physician's evaluation of health risks in tobacco smoking] Egsmose T, et al. Ugeskr Laeger 133:1321-6, 9 Jul 71 (Dan)
[The attitude of Danish medical doctors towards a control program of the tobacco smoking problem] Egsmose T, et al. Ugeskr Laeger 133:1041-6, 28 May 71 (Dan)
[Tobacco smoking and hematocrit and hemoglobin levels. From a 50-year survery in Glostrup] Isager H, et al. Ugeskr Laeger 133:1307-9, 9 Jul 71 (Dan)
[Doctors and tobacco] Ostergaard B. Ugeskr Laeger 133:1040, 28 May 71 (Dan)
[Doctors and smoking] Meijler FL. Ned Tijdschr Geneeskd 115:511-3, 20 Mar 71 (Dut)
[Problems of addiction to tobacco consumption] Proosdij C van. Ned Tijdschr Geneeskd 114:1662-7, 3 Oct 70 (Dut)
[Alimentation. Beverages. Tobacco. Study of a representative sample of 706 men, aged 21 to 65 years, at Saint-Etienne] Bresard M, et al. Bull Inst Nati Sante Rech Med 28:95-194, Jan-Feb 71 (Fre)
[Place of exploration of color vision in the functional survey of alcohol-tobacco neuritis] Jayle GE, et al. Bull Soc Ophtalmol Fr 69:1139-41, Dec 69 (Fre)
[Arterial ulcers] Huriez C, et al. Bull Soc Sci Med Grand Duche Luxemb 108:115-20, Mar 71 (Fre)
[Mitoclassic activity and chromosomal aberrations induced by alpha and beta-naphthonitrile, identified in a cigarette smoke tar fraction] Izard C, et al. C R Acad Sci [D] (Paris) 272:2581-3, 17 May 71 (Fre)
[The problem of respiratory insufficiency] Comeau M. Laval Med 41:983-4, Oct 70 (Fre)
[Respiratory insufficiency in Canada] Gauthier H. Laval Med 41:992-4, Oct 70 (Fre)
[The effects of age on male sex activity. Incidence of some factors including tobacco] Cendron H, et al. Presse Med 78:1795-7, 3 Oct 70 (Fre)
[Lipidemia, tobacco consumption and obesity: study of an active masculine population of 7,972 persons] Richard JL, et al. Rev Atheroscler (Paris) 11:71-87, 1969 (Fre)
[Blood lipids, tobacco consumption and corpulence. Study of an active male population of 7,972 subjects] Richard JL, et al. Rev Atheroscler (Paris) 11:Suppl 3:71-87, 1969 (Fre)
[The treason of clerks continues, or tobacco, lung and pneumologists] Israël L. Rev Tuberc Pneumol (Paris) 35:217-9, Mar 71 (Fre)
[Studies on the cardiopulmonary capacity in smokers] Schwalb H, et al. Arch Kreislaufforsch 62:167-80, Aug 70 (Ger)
[Subjects interesting to the practicing dentist] Schmidt HJ. DDZ 24:507-10, Nov 70 (Ger)
[Nicotine abstinence in local blood circulation disorders] Bollinger A. Dtsch Med Wochenschr 96:134, 15 Jan 71 (Ger)
[Cigarettes and exhaust gases: sources of carbon monoxide] Dtsch Med Wochenschr 96:91, 8 Jan 71 (Ger)
[Smokers' leukokeratosis] Matras H. Fortschr Kiefer Gesichtschir 13:151-6, 1968 (Ger)
[Influence of smoking habits on the incidence of non-specific respiratory diseases. 3] Reichel G, et al. Int Arch Arbeitsmed 27:49-72, 1970 (Ger)
[Experimental studies on the etiology of bronchial carcinoma] Schmähl D. Internist (Berlin) 11:300-2, Sep 70 (Ger)
[Measurable effect on the EOG by cigarette smoking?] Haase E, et al. Klin Monatsbl Augenheilkd 158:677-81, May 71 (Ger)
[Effect of cigarette smoking on the EOG] Schmidt B. Klin Monatsbl Augenheilkd 156:523-31, 1970 (Ger)
[The problem of "passive smoking"] Harke HP. Munch Med Wochenschr 112:2328-34, 18 Dec 70 (Ger)
[Drug addiction in smokers and nonsmokers] Biener K. Praxis 60:652-4, 18 May 71 (Ger)
[Normal values of Hb-CO saturation of blood] Anderhub HP, et al. Schweiz Med Wochenschr 100:739-45, 25 Apr 70 (Ger)
[School child and tobacco] Becker W. Ther Ggw 109:1198 passim, Aug 70 (Ger)
[Results of a comparative cross section study of healthy persons and patients with circulatory disorders in longitudinal epidemiological studies] Tägert J. Z Kreislaufforsch 59:744-56, Aug 70 (Ger)
[Use of the Chinese hamster for inhalation experiments] Surber W. Z Versuchstierkd 12:109-11, 1970 (Ger)
[Sterility in female smokers and nonsmokers] Dráč P, et al. Zentralbl Gynaekol 92:865-6, 4 Jul 70 (Ger)
[Smoking disease] Harefuah 79:272-3, 15 Sep 70 (Heb)
[Smoking habits among students of the secondary schools of Belluno] Fiabane L. Ann Sanita Pubblica 31:509-21, Jul-Aug 70 (Ita)
[Epidemiological findings on ischemic heart diseases in a group of employees of the Commune of Naples. 3. Clinical findings] Albano V, et al. Cardiol Prat 1:Suppl:89-99, 1967 (Ita)
[Cigarette smoking habits in patients with myocardial infarct] Samoggia S, et al. Cardiol Prat 1:Suppl:120-4, 1967 (Ita)
[Passive smkers. On harmful effects of cigarette smoke inhaled by non-smokers] Markiewicz K. Pol Tyg Lek 25:2041-2, 28 Dec 70 (10 ref.) (Pol)
[Some problems of psychotherapy in chronic nicotinism] Markiewicz K. Wiad Lek 24:491-5, 1 Mar 71 (Pol)
[Pulmonary ventilation and mixing in healthy young men, smokers and non-smokers] Teculescu D, et al. Stud Cercet Med Interna 11:419-23, 1970 (Rum)
[Homeostasis and its probable changes caused by nutritional limitations and pleasurable habits in the light of psychosomatic-clinical judgment] Lapiccirella V. Prensa Med Argent 58:399-405, 23 Apr 71 (Spa)
[Relation between the smoking habit and lung cancer] Ochsner A. Prensa Med Argent 57:1241-3, 21 Aug 70 (Spa)
[Cigarettes and gastric secretion. II. Effect of cigarettes on gastric secretion] Morales A, et al. Rev Med Chil 99:275-9, Apr 71 (Spa)
[Cigaretts and gastric secretion. I. Analysis of gastric secretion in smokers and nonsmokers with gastrointestinal diseases] Morales A, et al. Rev Med Chil 99:270-4, Apr 71 (Spa)
[The smoking disease: a self-induced lesion?] Godber GE. Salud Publica Mex 12:293-9, May-Jun 70 (Spa)
[Tracheobronchial clearance in man studied with monodispersed teflon particles tagged with 18F and 99mTc] Camner P, et al. Nord Hyg Tidskr 52:1-9, 1971 (Swe)
[Smoking in pregnancy] Wallander BE, et al. Nord Med 84:1602, 10 Dec 70 (Swe)
[Chronic bronchitis and ventilatory function of the lung in smokers and nonsmokers] Kalačić I. Arh Hig Rada Toksikol 21:5-12, 1970 (Cro)
[Increase in the number of erythrocytes and in the content of hemoglobin in the blood of smokers] Petrović D. Med Glas 24:470-3, Oct-Nov 70 (Cro)

COMPLICATIONS

The effects of age and smoking on the maturation of the oral mucosa. Brown AM, et al. Acta Cytol (Baltimore) 14:586-9, Nov-Dec 70
Progress report on study of respiratory spirals. Walker KR, et al. Acta Cytol (Baltimore) 14:396-8, Jul-Aug 70
Cigarette smoking and acute non-influenzal respiratory disease in military cadets. Finklea JF, et al. Am J Epidemiol 93:457-62, Jun 71
The relationship of parents' cigarette smoking to outcome of pregnancy--implications as to the problem of inferring causation from observed associations. Yerushalmy J. Am J Epidemiol 93:443-56, Jun 71
Obstructive airway disease in patients with treated pulmonary tuberculosis. Snider GL, et al. Am Rev Resp Dis 103:625-40, May 71
Cigarette smoking, asbestos, and pulmonary fibrosis. Weiss W. Am Rev Resp Dis 104:223-7, Aug 71
The respiratory effects of regular cigarette smoking in women. Woolf CR, et al. Am Rev Resp Dis 103:26-37, Jan 71
Heredity vs smoking in chronic lung disease. Martin RA, et al. Ann Intern Med 73:858-9, Oct 70
In vivo and in vitro ciliotoxic effects of tobacco smoke. Dalhamn T. Arch Environ Health 21:633-4, Nov 70
Passenger smoking effects on bus drivers. Speer F. Arch Environ Health 22:512, Apr 71
Measurement, and visualisation with cholesteric liquid crystals, of the alterations of the peripheral blood circulation after smoking. Baptista AM, et al. Arq Patol 41:263-9, Aug 69
The effect of the age of mice on the incidence of skin cancer. Lee PN, et al. Br J Cancer 24:849-52, Dec 70
The epidermis and the respiratory tract as bioassay systems in tobacco carcinogenesis. Wynder EL, et al. Br J Cancer 24:574-87, Sep 70
Smoking, chronic bronchitis, and lung cancer. Rimington J. Br Med J 2:373-5, 15 May 71
Relative hazards of smoking. Selwyn-Clarke S. Br Med J 1:461, 20 Feb 71
Acute exposure to cigarette smoke as a cause of hypoxia. Anderson WH. Chest 59:Suppl:33S+, May 71
Ominous mesalliance: inhalation of carbon monoxide from motor vehicles and cigarettes. Banyai AL. Chest 58:532, Nov 70
Cigarette smoking as a cause of hypoxemia in man at altitude. Brewer GJ, et al. Chest 59:Suppl:30S+, May 71
A quantitative study of the relationship between chronic bronchitis, emphysema and smoking. Dunnill MS, et al. Chest 59:Suppl:35S+, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Anatomic and histologic changes of early emphysema. McLaughlin RF, et al. Chest 59:592-9, Jun 71
Environment and health. Women and cigarette smoking. Antoine DV. Del Med J 43:176, Jun 71
Etiologic factors and presenting complaints of 110 laryngetomized patients. Keith RL, et al. Eye Ear Nose Throat Mon 49:76-80, Feb 70
Ben Jonson's tawney weed. Food Cosmet Toxicol 8:570-5, Oct 70
The clinical effects of tobacco on oral tissue. Christen AG. J Am Dent Assoc 81:1378-82, Dec 70
The relationshipbetween smoking and health: a review. J Am Osteopath Assoc 70:720-6, Mar 71 (18 ref.)
Clues to the possible mode of action of cigarette smoke in the pathogenesis of lung cancer. Malhotra SL. J Indian Med Assoc 55:265-70, 16 Oct 70
Effect of smoking during pregnancy on the risk of cancer in children. Neutel CI, et al. J Natl Cancer Inst 47:59-63, Jul 71
The association of cigarette smoking with respiratory symptoms and pulmonary function in a group of high school students. Addington WW, et al. J Okla State Med Assoc 63:525-9, Nov 70
Cigarettes, nicotine and thrombosis. Gordon JL. J Pathol 103:pvii, Feb 71
Different smoking risks of flue-cured and air-cured tobaccos. Passey RD, et al. J Pathol 101:P18, Aug 70
A quantitative study of bronchial mucous gland volume, emphysema and smoking in a necropsy population. Ryder RC, et al. J Pathol 104:59-71, May 71
Periodontal disease and oral cleanliness in tobacco smokers. Sheiham A. J Periodontol 42:259-63, May 71
Smoke in the air. JAMA 217:1237, 30 Aug 71
Carbon-monoxide-induced mountain sickness provoked by tobacco smoking. Astrup P, et al. Lancet 1:781-2, 17 Apr 71
Smoking and cancers of the bladder and kidney. Lancet 1:635-6, 27 Mar 71
Words of warning. Lancet 1:638, 27 Mar 71
Counterblaste to tobacco. Lancet 1:69-70, 9 Jan 71
Mucosal changes and cancer in intra-oral smoking. Morrow RC, et al. Laryngoscope 81:1020-8, Jul 71
Effect of low temperature of combustion on cigarette smoke damage to lung. Trethewie ER. Med J Aust 1:854-6, 17 Apr 71
Tobacco and your health. Med J Aust 2:860-1, 10 Oct 70
How smoking affects hearing. Weiss W. Med Times 96:84-8, Nov 70
Studies on the chronic gastritis. II. Relationships of gastric diseases to smoking, drinking and blood type. Yamagiwa H. Mie Med J 20:89-91, May 70
Smoking: insidious suicide and personal air pollution. Jacobs EC. Milit Med 135:678-81, Aug 70
Smoking and cancer f the lower urinary tract. Cole P, et al. N Engl J Med 284:129-34, 21 Jan 71
By the London Post: smoking and health now. Lister J. N Engl J Med 284:656-7, 25 Mar 71
Clouds of smoke, confusion and oblivion. Nature (Lond) 229:75-6, 8 Jan 71
Lung cancer from cigaret smoking. Auerbach O. NY State J Med 71:2039-40, 1 Sep 71
An epidemiologic and histopathologic study of leukoedema among 50,915 rural Indian villagers. Hamner JE 3d, et al. Oral Surg 32:58-65, Jul 71
The case against smoking. Godber G. R Soc Health J 90:267-9 passim, Sep-Oct 70
Smoking dogs: tobacco institute tries to discount cancer studies. Bazell RJ. Science 170:515, 30 Oct 70
The seeming effect of tobacco consumption on the occurrence of periodontal disease and dental caries. Ainamo J. Suom Hammaslaak Toim 67:87-94, 1971
The Farnsworth-Munsell 100 hue test in tobacco amblyopia. Ainley RG. Trans Ophthalmol Soc UK 90:765-72, 1970
Some observations on the mechanism of tobacco amblyopia and its treatment with sodium thiosulphate. Phillips CI, et al. Trans Ophthalmol Soc UK 90:809-26, 1970
[Cigarette smoking and the risk of lung cancer] Křivinka R, et al. Cesk Zdrav 19:57-61, 1971 (Cze)
[Changes in the white blood cell count in long-term smokers (on the basis of comparison of group of patients with transmural heart infarct and patients without coronary disease history)] Zdichynec B. Vnitr Lek 17:327-30, Apr 71 (Cze)
[Tobacco smoking and respiratory symptoms in a Danish population. From a survey during 50 years in Glostrup] Hagerup L. Ugeskr Laeger 133:1302-6, 9 Jul 71 (Dan)
[Tobacco smoking and risks of coronary disease. From a 50-year survey in Glostrup] Hagerup L. Ugeskr Laeger 133:1309-13, 9 Jul 71 (Dan)
[Actual prevalence of chronic bronchitis in an urban population] Golli V, et al. Acta Tuberc Pneumol Belg 60:714-25, Sep-Oct 69 (Fre)
[Smoking, bullous emphysema and spontaneous idiopathic pneumothorax] Zivy P, et al. Ann Med Interne (Paris) 121:1049-56, Dec 70 (Fre)
[Biochemical factors as causes of bladder cancer] Bédard G. Laval Med 41:27-31, Jan 70 (Fre)
[Blood carbon monoxide in children born of smoking mothers] Baribaud L, et al. Med Leg Domm Corpor (Paris) 3:272-4, Jul-Sep 70 (Fre)
[Urinary thiocyanates in smoking] Yacoub M, et al. Med Leg Domm Corpor (Paris) 3:266-70, Jul-Sep 70 (Fre)
[Is it possible to determine the tobacco origin of chronic carbon monoxide poisoning?] Yacoub M, et al. Med Leg Domm Corpor (Paris) 3:262-5, Jul-Sep 70 (Fre)
[Lung and tobacco] Fournier E, et al. Poumon Coeur 26:1109-25, 1970 (Fre)
[Spontaneous pneumothorax in smokers; tobacco lung: alveolar tobaccoism and metabolic disorders] Zivy P. Rev Tuberc Pneumol (Paris) 34:125-58, 1970 (Fre)
[Physicians and smoking. Results of a survey of smoking habits and the opinion on smoker disuse by physicians of District Magdeburg] Scharfenberg G, et al. Dtsch Gesundheitsw 25:2296-300, 26 Nov 70 (Ger)
[Effect of smoking on plasma lipids] Dtsch Med Wochenschr 95:2355, 13 Nov 70 (Ger)
["Problems of passive smoking". Final comments on V. Schmidt, H. Hess, F. Portheine, Münch. med. Wschr. 113 (1970) 18, 702-709] Harke HP. Munch Med Wochenschr 113:710-4, 30 Apr 71 (Ger)
[Problems of "passive smoking". Comments on H. P. Harke, Münch. med. Wschr. 112 (1970) 51, 2328-2334] Hess H. Munch Med Wochenschr 113:705-6, 30 Apr 71 (Ger)
["Problems of passive smoking". Comments on H.P. Harke, Münch. med. Wschr. 112 (1970) 51, 2328-2334] Portheine F. Munch Med Wochenschr 113:707-9, 30 Apr 71 (Ger)
[Problems of "passive smoking". Opinion on H.P. Harke, Münch. med. Wschr. 112 (1970) 51, 2328-2334] Schmidt F. Munch Med Wochenschr 113:702-5, 30 Apr 71 (Ger)
[Epidemiology, pathogenesis, sex distribution, radiotherapy and statistics of larynx and hypopharynx carcinoma. Experience in 1121 cases (1946-1969)] Heermann H, et al. Z Laryngol Rhinol Otol 49:432-43, Jul 70 (Ger)
[The injurious effects of smoking on gestation] Vértes L. Zentralbl Gynaekol 92:1395-8, 17 Oct 70 (Ger)
[The role of smoking and upper respiratory diseases in chronic bronchitis of coal miners of Pécs] Háber J, et al. Orv Hetil 112:1344-8, 6 Jun 71 (Hun)
[Action of cigarette smoking on some parameters of lipid metabolism] Ciampolini E, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:474-80, 1968 (Ita)
[Histological aspects of the oculo-lacrimal apparatus of guinea pigs exposed to chronic tobacco poisoning] Ronchieri M. Atti Accad Fisiocrit Siena [Med Fis] 17:613-34, 1968 (Ita)
[Incidence of squamous metaplasia of the respiratory epithelium in relation to cigarette smoking. Cytological study of 1,000 apparently healthy male individuals] Maltoni C, et al. Cancro 21:349-56, 1968 (Ita)
[Epidemiological studies of the effect of exposure to air pollution on road workers] Kanitz S, et al. G Ig Med Prev 10:129-44, Apr-Jun 69 (Ita)
[Contribution of Polish scientists in the 25 years of existence of the Polish People's Republic to studies on the harmful effects of smoking] Leszczyński B. Pol Tyg Lek 25:2004-6, 21 Dec 70 (Pol)
[On the technology of tobacco products and the incidence of pulmonary cancer] Rokicki W. Przegl Lek 27:311-3, 1971 (Pol)
[On the harmful effects of chronic tobacco smoking] Gasińska T, et al. Wiad Lek 23:2157-62, 15 Dec 70 (Pol)
[Connection between tobacco smoking and digestive tract diseases] Midkiewicz H. Wiad Lek 23:1991-5, 15 Nov 70 (Pol)
[Research on the mechanisms of appearance of pulmonary emphysema in subjects with tabagism] Velican C. Stud Cercet Med Interna 11:455-68, 1970 (54 ref.) (Rum)
[Risk factors and primary prevention of arterial hypertension and ischemic heart disease] Ryvkin IA. Kardiologiia 11:140-51, Jan 71 (114 ref.) (Rus)
[Experimental studies on the role of smoking in the development of lung cancer] Krasnianskaia PN. Vopr Onkol 17:59-62, 1971 (Rus)
[Tobacco and coronary cardiopathy. Its action in the long-term development in the patient who has suffered a myocardial infarct] Paras Chavero E, et al. Arch Inst Cardiol Mex 40:128-34, Mar-Apr 70 (Spa)
[Cigarette smoking and abortion. Consecutive prospective study of 4,312 pregnancies] Palmgren B, et al. Lakartidningen 68:2611-6, 26 May 71 (Swe)
[Smoking as a risk factor] Tibblin G, et al. Lakartidningen 68:687-9, 10 Feb 71 (Swe)

DRUG THERAPY

Studies on the effect of reserpine therapy on the functional capacity of the tryptophan-niacin pathway in smoker and non-smoker males. el-Zoghby SM, et al. Biochem Pharmacol 19:1661-7, May 70
[Cytisine (Tabex) as a pharmaceutical aid in stopping smoking] Scharfenberg G, et al. Dtsch Gesundheitsw 26:463-5, 4 Mar 71 (Ger)
[Some aspects of drug treatment of chronic nicotinism] Markiewicz K. Pol Tyg Lek 26:767-9, 17 May 71 (15 ref.) (Pol)
[Lobeline electrophoresis in therapy of nicotine addiction] Kaliuzhnyĭ VV. Vopr Kurortol Fizioter Lech Fiz Kult 35:263-4, May-Jun 70 (Rus)

MORTALITY

The benefits of cessation of smoking. Schuman LM. Chest 59:421-7, Apr 71 (31 ref.)
Cigarettes and heart disease. N Engl J Med 284:1384-5, 17 Jun 71

OCCURRENCE

Epidemiologic studies of Parkinson's disease. I. Smoking and Parkinson's disease: a survey and explanatory hypothesis. Kessler II, et al. Am J Epidemiol 94:16-25, Jul 71
A glimmer of hope. Weiss W. Arch Environ Health 21:588, Nov 70
Smoking and neuroticism. Waters WE. Br J Prev Soc Med 25:162-4, Aug 71
Access and attitudes to smoking. Hilton DD. Br Med J 2:337, 8 May 71
Smoking and chronic respiratory disease: finding in surveys carried out in 1957 and 1966 in Staveley in Derbyshire, England. Higgins IT, et al. Chest 59:Suppl:34S+, May 71
Epidemiology and psychology of cigarette smoking. Horn D. Chest 59:Suppl:22S+, May 71
Smoking and school children. O'Rourke A, et al. J R Coll Gen Pract 20:354-60, Dec 70
Gastric ulcer in South Australia 1954-1963. I. Epidemiological factors. Alp MH, et al. Med J Aust 2:1128-32, 12 Dec 70
Cigarettes and heart disease. Seltzer CC. N Engl J Med 284:557-8, 11 Mar 71
Some variables contributing to the onset of cigarette smoking among junior high school students. Palmer AB. Soc Sci Med 4:359-66, Sep 70
[Respiratory sympatomatology in epidemiology: results of a survey conducted in a Brussels bank] Kornitzer M, et al. Acta Tuberc Pneumol Belg 61:481-506, 1970 (Fre)
[Approach to the campaign against the hazards of tobacco. Epidemiological data on a group of adults of both sexes] Fréour P, et al. Bull Acad Natl Med (Paris) 154:633-49, 6 Oct 70 (Fre)

PATHOLOGY

Influence of cigarette smoke on guinea pigs. Effect of pulmonary cells and serum antitrypsin levels. Flint GL, et al. Arch Environ Health 22:366-9, Mar 71
Effects of smoking on lung structure of appalachian coal workers. Naeye RL, et al. Arch Environ Health 22:190-3, Feb 71
Electron microscopic observations on pulmonary fibrosis and emphysema in smoking dogs. Frasca JM, et al. Exp Mol Pathol 15:108-25, Aug 71
The effects of cigarette smoke on the bronchial tree of the lamb (Ovis aries). Mawdesley-Thomas LE, et al. J Pathol 101:P18, Aug 70
[Experimental studies on intake and deposition of smoke particles in golden hamsters when exposed to cigarette smoke] Dontenwill W, et al. Arzneim Forsch 21:142-3, Jan 71 (Ger)

PHYSIOPATHOLOGY

Long-term smoking in th donkey. Effect on tracheobronchial particle clearance. Albert RE, et al. Arch Environ Health 22:12-9, Jan 71
Effects of tobacco smoking on certain parameters reflecting the condition of the circulatory system at rest and during exercise. Wysokinski Z. Bull Pol Med Sci Hist 14:73-6, Apr 71
Bronchial clearance abnormalities in man produced by cigarette smoke and lung disease. Albert RE, et al. Chest 59:Suppl:3S, May 71
Regional aerosol clearance in smokers and nonsmokers. Aldas JS, et al. Chest 59:Suppl:2S, May 71
Effect of cigarette smoking on human gastric secretory responses. Debas HT, et al. Gut 12:93-6, Feb 71
Smoking and leucocyte-counts. Results of an epidemiological survey. Corre F, et al. Lancet 2:632-4, 18 Sep 71
Inhibitory effect of cigarette smoking on gastric secretion stimulated by pentagastrin in man. Wilkinson AR, et al. Lancet 2:628-32, 18 Sep 71
Inhibitory effect of smoking on the lower esophageal sphincter. Dennish GW, et al. N Engl J Med 284:1136-7, 20 May 71
Lung function in Indian smokers. Marwaha R, et al. N Engl J Med 284:394, 18 Feb 71
Cigarette smoking: objective evidence for lung damage in teen-agers. Seely JE, et al. Science 172:741-3, 14 May 71

PREVENTION & CONTROL

The treatment of alcohol (and tobacco) addiction by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

differential conditioning. New manual and mechanical methods. Gordon WW.
Am J Psychother 25:394-417, Jul 71
Cigarette smoking among patients with respiratory disease. Mausner JS.
Am Rev Resp Dis 102:704-13, Nov 70
Cigarette smoking by hospital patients. Rose G, et al.
Br J Prev Soc Med 25:160-1, Aug 71
Medical students and smoking. Anderson J.
Br Med J 4:120, 10 Oct 70
Smoking in postgraduate medical centres. Anderson JP. Br Med J 1:558, 6 Mar 71
Cigarette dependence: II. Doctor's role in management. Russell MA. Br Med J 2:393-5, 15 May 71
The smoking disease. Br Med J 1:61-2, 9 Jan 71
Cowardice about smoking. Br Med J 1:683, 27 Mar 71
The saskatoon smoking project--the model. Piper GW, et al. Can J Public Health 61:503-8, Nov-Dec 70
Cigarette smoking and the responsibility of the hospital physician. Ball K. Chest 59:418-20, Apr 71
Symposium on cigarette smoking: the physician's role and benefits of cessation. The primary physician in office management of smoking problems. Fredrickson DT. Chest 59:414-7, Apr 71
The nursing profession and management of cigarette smoking problems. Soffer A. Chest 60:1, Jul 71
Smoking habits of physicians and preventive care practices. Coe RM, et al.
HSMHA Health Rep 86:217-21, Mar 71
Motivation, structure, and self-monitoring: role of nonspecific factors in smoking reduction. McFall RM, et al. J Consult Clin Psychol 37:80-6, Aug 71
Smoking on cue: a behavioral approach to smoking reduction. Shapiro D, et al.
J Health Soc Behav 12:108-13, Jun 71
Psychological problems on cigarette smoking. Mair JM. J Psychosom Res 14:277-83, Sep 70
A.S.H. J R Coll Gen Pract 21:185-6, Apr 71
The use of student questions as a partial format for instruction regarding smoking and health. Brooks RW. J Sch Health 40:542-4, Dec 70
Curriculum development and implementation of smoking research--a longitudinal study. Fodor JT, et al. J Sch Health 41:199-202, Apr 71
Cigarettes and health education among young people. Hasenfus JL. J Sch Health 41:372-6, Sep 71
How teachers see themselves in the exemplar role in smoking education as evidenced by their attitudes and practices. Newman AN.
J Sch Health 41:275-9, May 71
Stopping smoking. Brian RK. Lancet 1:396-7, 20 Feb 71
The smoking diseases. Lancet 1:1056, 22 May 71
Smoking-withdrawal clinics. Conrad FG.
N Engl J Med 285:60, 1 Jul 71
How about smoking? Rowland JE.
Nurs Outlook 19:422-3, Jun 71
Smoking: what can we do? Dunwoody J.
Nurs Times 67:316-7, 18 Mar 71
Hypnosis helps reluctant smokers. Orr RG.
Practitioner 205:204-8, Aug 70
Smoking habits of business executives. Doctor variation in reducing cigarette consumption. Pincherle G, et al. Practitioner 205:209-12, Aug 70
Special report: eight years after.
Public Health 85:133-6, Mar 71
Cigarette diseases. The most preventable epidemic. Ball KP. R Soc Health J 90:40-2, Jan-Feb 70
Smoking and health now.
R Soc Health J 91:1, Jan-Feb 71
[The Neuheim health resort smoking withdrawal cure] Dtsch Med Wochenschr 96:316, 12 Feb 71 (Ger)
[Smoking and the possibilities of giving it up] Luban-Plozza B.
Munch Med Wochenschr 112:2322-7, 18 Dec 70 (Ger)

THERAPY

Toxicomanias and their treatment with hypnosis. Granone F. Minerva Med 62:3125-38, 8 Sep 71 (Ita)

SNAILS (B1)

Terrestrial snail a new host for trombiculid larvae. Vercammen-Grandjean PH, et al.
Acta Trop (Basel) 27:177, 1970
Relationships between the species of Fasciola and their molluscan hosts. Kendall, SB.
Adv Parasitol 8:251-8, 1970 (18 ref.)
Evaluation of two methods for the detection of Schistosoma mansoni cercariae shed by Biomphalaria glabrata. Butler JM Jr, et al.
Am J Trop Med Hyg 20:157-9, Jan 71
Susceptibility of Oncomelania hybrid snails to various geographic strains of Schistosoma japonicum. Chi LW, et al. Am J Trop Med Hyg 20:89-94, Jan 71
Integrated control of snails. Levine ND.
Am Zool 10:579-82, Nov 70
The experimental demonstration of Lymnaea lagotis euphratica as an intermediate host of Fasciola gigantica in Iraq. Kadhim JK, et al.
Ann Trop Med Parasitol 64:335-7, Sep 70
Transmission of Schistosoma mansoni in a large body of water. Prentice MA, et al.
Ann Trop Med Parasitol 64:339-48, Sep 70
Notes on the morphology, susceptibility to Schistosoma haematobium and genetic relationships of Bulinus (Physopsis) globosus globosus and B.(P.) nasutus nasutus from north-eastern Tanzania. Pringle G, et al.
Ann Trop Med Parasitol 65:211-9, Jun 71
Laboratory studies of the host-parasite relationship of Schistosoma mansoni and Biomphalaria glabrata from St Lucia, West Indies. Sturrock BM, et al.
Ann Trop Med Parasitol 64:357-63, Sep 70
Studies on specificity and binding properties of the blood group A reactive hemagglutinin from Helix pomatia. Hammarström S, et al.
Biochemistry 10:1684-92, 27 Apr 71
Studies on the egg-membrane lysin of Tegula pfeifferi. Purification and properties of the egg-membrane lysin. Haino K.
Biochim Biophys Acta 229:459-70, 16 Feb 71
A survey of the Lymnaea truncatula habitat areas in Co. Tyrone and Co. Fermanagh, Northern Ireland. Taylor SM, et al. Br Vet J 126:xxix-xxxi, Aug 70
Susceptibility of the small Biomphalaria alexandrina alexandrina from the UAR and the Sudan to infection with a strain of Schistosoma mansoni from Tanzania. Cridland CC. Bull WHO 43:809-15, 1970
Host location by miracidia of Schistosoma haematobium. Shiff CJ.
Cent Afr J Med Suppl:37-40, Jul 70
Further biochemical studies on the snail Strophocheilus oblongus musculus Becquaert, 1948. De Jorge FB, et al.
Comp Biochem Physiol 26:627-37, Aug 68
Purine biosynthesis and excretion in Otala (=Helix) lactea: an evaluation of the nitrogen excretory potential. Speeg KV Jr, et al.
Comp Biochem Physiol 26:579-95, Aug 68
Studies on the population dynamics of B. (P.) nasutus and natural S. haematobium infection rates in relation to rainfall at Misungwi and Usagara, Mwanza. Baalawy SS, et al. East Afr Med J 47:472-8, Sep 70
Schistosomiasis and water works practice in Uganda. Coles GC, et al. East Afr Med J 48:40-3, Jan 71
On the effect of certain Annelids in the laboratory aquaria of some fresh water snails particularly the Molluscan vectors of bilharziasis. Salem MS.
J Egypt Med Assoc 53:292-4, 1970
Aeromonas liquefaciens in the giant African snail, Achantina fulica. Dean WW, et al.
J Invertebr Pathol 16:346-51, Nov 70
Protection of snails against miracidia of Schistosoma mansoni by various aquatic invertebrates. Chernin E, et al. J Parasitol 57:217-9, Apr 71
Location of Bulinus (Physopsis) globosus by miracidia of Schistosoma haematobium. Shiff CJ.
J Parasitol 54:1133-40, Dec 68
Observations on the infection of bulinid snails with Schistosoma mattheei. II. The mechanism of resistance to infection. Kinoti GK.
Parasitology 62:161-70, Feb 71
Slow changes of membrane permeability in giant neurones of Helix pomatia. Leicht R, et al.
Pfluegers Arch 323:63-79, 1971
The effect of veratridine on Helix pomatia neurones. Leicht R, et al. Pfluegers Arch 323:50-62, 1971
Egg laying behaviour in Biomphalaria. Coles GC.
Trans R Soc Trop Med Hyg 64:794-5, 1970
The giant African snail, Achatina fulica. A new threat to public health. Latonio AA.
Trans R Soc Trop Med Hyg 65:22, 1971
Schistosomiasis at Lake Kariba, Zambia. II. Transmission of Schistosoma haematobium and S. mansoni at Siavonga. Hira PR.
Trop Geogr Med 22:335-44, Sep 70
Schistosomiasis at Lake Kariba, Zambia. I. Prevalence and potential intermediate snail hosts at Siavonga. Hira PR. Trop Geogr Med 22:323-34, Sep 70
Observations on the susceptibility to Schistosoma mansoni from St. Lucia of several Caribbean strains of snails of the genus Biomphalaria. Sturrock RF, et al.
West Indian Med J 19:9-13, Mar 70
Formation, storage, and release of neurosecretory material studied by quantitative electron microscopy in the fresh water snail Lymnaea stagnalis (L.). Bonga SE. Z Zellforsch Mikrosk Anat 113:490-517, 1971
Localization of monoamine-containing neurones in the nervous system of Strophocheilus oblongus (Gastropoda). Jaeger CP, et al.
Z Zellforsch Mikrosk Anat 112:54-68, 1971
[Effects of a posterior pituitary extract on ion exchanges in Helix aspersa hearts kept alive in mineral solutions] Michel O, et al.
Ann Endocrinol (Paris) 31:895-905, Sep-Oct 70 (Fre)
[Potamopyrgus and Bulinus in Corsica] Chabaud AG, et al.
Ann Parasitol Hum Comp 44:821-4, Nov-Dec 69 (Fre)
[Different ultrastructure of axonic membranes containing granular vesicles (Helix neuropil)] Chalazonitis N, et al.
C R Soc Biol (Paris) 164:2067-70, 1970 (Fre)
[Experimental carcinogenesis in molluscs. 2. Transplantation experiments with a chemically-induced adenopapilloma in a La-Plata apple snail, Ampullarius australis d'Orbigny (Gastropoda,Prosobranchia)] Krieg K.
Arch Geschwulstforsch 33:18-30, 1969 (Ger)
[Experimental carcinogenesis in molluscs. 3. Further studies on tumor formation in the La Plata apple snail Ampullarius australis d'Orbigny (Gastropoda, Prosobranchia), with special attention to methylcholanthrene] Krieg K.
Arch Geschwulstforsch 33:255-67, 1969 (Ger)
[Emergency circadian rhythm of cercariae (Schistosoma mansoni-Biomphalaria glabrata)] Pellegrino J, et al. Rev Bras Biol 31:53-63, May 71 (Por)
[Influence of organic material in suspension on the toxicity of Frescon] Souza CP de, et al.
Rev Bras Malariol Doencas Trop 22:417-21, Apr-Dec 70 (Por)
[The spreading of Biomphalaria steaminea, intermediate host of Schistosoma mansoni, through the distribution of fishes] Corrêa R de R, et al.
Rev Saude Publica 4:117-27, Dec 70 (Por)
[Furcocercaria from fresh-water molluscs of the Amu Darya delta. II] Arystanov E.
Vestn Leningr Univ [Biol] 4:7-14, 1968 (Rus)
[Role of molluscan biotopes--planorbids in paramphistomatodosis infections of animals] Katkov MV. Veterinariia 12:54-6, Dec 70 (Rus)

ANATOMY & HISTOLOGY

An electron microscope study of the formation and structure of the periostracum of a gastropod, Littorina littorea. Bevelander G, et al.
Calcif Tissue Res 5:1-12, 1970
Fibrous protein ultrastructure of gastropod periostracum (Buccinum undatum L.). Hunt S, et al.
Experientia 26:1196-7, 15 Nov 70
Study of neurosecretory cells of Helix pomatia by intracellular dye injection. Sakharov DA, et al.
Experientia 27:655-6, Jun 71
The occurrence of peripherical molluscan neurons (Cryptomphalius aspersa). Sanchis CA, et al.
Experientia 26:1247-8, 15 Nov 70
Ultrastructural search for homologues of pancreatic -cells in the intestinal mucosa of the mollusc Buccinum undatum. Boquist L, et al.
Gen Comp Endocrinol 17:236-9, Aug 71
On the structure of the pulmonate osphradium. II. Ultrastructure. Benjamin PR, et al.
Z Zellforsch Mikrosk Anat 118:168-89, 1971
Nervous system of the snail Helix aspersa. II. Fine structure of vascular channels and amebocytes associated with the ganglionic sheath. Fernandez J.
Z Zellforsch Mikrosk Anat 118:512-24, Jul 71
Transport of amines along the visceral nerve of Helix pomatia. Osborne NN, et al.
Z Zellforsch Mikrosk Anat 109:171-3, 1970
Surface specializations of the epithelial cells at the tip of the optic tentacle, dorsal surface of the head and ventral surface of the foot in helix aspersa. Rogers DC. Z Zellforsch Mikrosk Anat 114:106-16, 1971
[Comparative fluorescence- and electron microscopic studies of the central nervous system of Planorbarius corneus L. (Basommatophora)] Kuhlmann D.
Z Zellforsch Mikrosk Anat 110:131-52, 1970 (Ger)

CLASSIFICATION

The taxonomy and distribution of the planorbidae in relation to the transmission of schistosomiasis. Eeden JA van. Cent Afr J Med Suppl:3-5, Jul 70
[Hematolysis of rabbit blood corpuscles using the hepato-pancreas of Bulinus liratus and its application in the taxonomy of Bulinus in Madagascar] Degrémont AA, et al. Acta Trop (Basel) 27:266-7, 1970 (Fre)

CYTOLOGY

The role of amoebocytes in the regeneration of shell in the land pulmonate, Euplecta indica (Pfieffer). Kapur SP, et al. Biol Bull 139:502-9, Dec 70
Pharmacological characterization of neurons in the visceral and parietal ganglia of Helix pomatia. Wilgenburg H van, et al.
Curr Mod Biol 3:335-41, Feb 71
On the structure of the pulmonate osphradium. I. Cell types and their organisation. Benjamin PR.
Z Zellforsch Mikrosk Anat 117:485-501, 1971
[An ultrastructural cytochemical study of the perinuclear corpuscles found in young oocytes of Ilyanassa obsoleta Say (molluscan gastropod)] Gerin Y. J Embryol Exp Morphol 25:423-38, Jun 71 (Fre)
[Electron microscopy study of hermaphroditic gonad-acini of Planorbarius corneus L. (Basommatophora)] Starke FJ.
Z Zellforsch Mikrosk Anat 119:483-514, 1971 (Ger)

DRUG EFFECTS

Copper sulphate as a molluscicide against Bulinus truncatus eggs in Iraq. el-Guindy HI.
J Egypt Med Assoc 52:245-57, Apr 69
Molluscicidal activity of aflatoxin. Purchio A, et al.
Rev Inst Med Trop Sao Paulo 12:236-8, Jul-Aug 70
[The molluscacide effect of thiol reagents] Zsolnai T.
Zentralbl Bakteriol [Orig] 213:270-83, 1970 (Ger)
[Studies with promising molluscacides of selective action] Paulini E, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rev Bras Malariol Doencas Trop 21:587-96, Jul-Sep 69 (Por)

EMBRYOLOGY

Metabolic patterns in Ilyanassa polar lobes. Geuskens M, et al. Exp Cell Res 67:61-72, Jul 71
The larval eye of the aeolid nudibranch Trinchesia aurantia (Alder and Hancock). Hughes HP. Z Zellforsch Mikrosk Anat 109:55-63, 1970

ENZYMOLOGY

Histophysiological examination of the optic tentacle in pulmonates. 3. Alkaline and acid phosphatase activity in the ganglionic system, sensory zone and special cells of the optic tentacle of the Pulmonata. Bierbauer J. Acta Biol Acad Sci Hung 21:381-7, 1970
Te cytochemical localization of glycolytic and oxidative enzymes within mitochondria ofspermatozoa of some pulmonate gastropods. Anderson WA, et al. J Histochem Cytochem 18:783-9, Nov 70
Enzyme electrophoresis and speciation of Schistosoma intermediate hosts. Coles GC. Parasitology 61:19-25, Aug 70
[Isolation of enzymes splitting the carbohydrate-peptide bond of the amide type from an extract of a large pond snail] Chukhrova AI, et al. Biokhimiia 35:95-101, 1970 (Rus)

GROWTH & DEVELOPMENT

Snail problems in African schistosomiasis. Berrie AD. Adv Parasitol 8:43-96, 1970 (252 ref.)
Experimental fascioliasis in Australia. Boray JC. Adv Parasitol 7:95-210, 1969 (284 ref.)
Uptake of 59Fe as a tool for study of the crowding effect in Biomphalaria glabrata. Gazzinelli G, et al. Am J Trop Med Hyg 19:1034-7, Nov 70
Control of Biomphalaria glabrata in a small reservoir by fluctuation of the water level. Jobin WR. Am J Trop Med Hyg 19:1049-54, Nov 70
Population dynamics of aquatic snails in three farm ponds of Puerto Rico. Jobin WR. Am J Trop Med Hyg 19:1038-48, Nov 70
An investigation of some factors influencing the survival of St. Lucian Biomphalaria glabrata deprived of water. Sturrock RF. Ann Trop Med Parasitol 64:365-71, Sep 70
Observations on some factors affecting the growth rate and fecundity of Biomphalaria glabrata (Say). Sturrock RF, et al. Ann Trop Med Parasitol 64:349-55, Sep 70
Population age structure, growth and longevity of the marine gastropod Urosalpinx cinerea Say. Franz DR. Biol Bull 140:63-72, Feb 71
Sequence repetition in the DNA of Nassaria (Ilyanassa) obsoleta. Davidson EH, et al. Dev Biol 25:445-63, Jul 71
The lap-frogging slug. Hunter PJ, et al. Nature (Lond) 229:349, 29 Jan 71
The effect of ultraviolet light on developing eggs of Lymnaea stagnalis (Mollusca, Pulmonata). IV. The interference of irradiations with morphogenesis. Labordus V. Proc K Ned Akad Wet [Biol Med] 73:477-93, 1970
A combined investigation of the epidemiology of Fasciola hepatica infections in lambs and the ecology of Lymnaea truncatula. Ross JG, et al. Vet Rec 87:278-82, 5 Sep 70
[Life cycle and growth of Bithynia tentaculata L. (Mollusca, Gastropoda, Prosobranchia) from Lake St Louis near Montreal] Pinel-Alloul B, et al. Can J Zool 49:759-66, May 71 (Fre)

IMMUNOLOGY

On the resistance of the snail, Lymnaea catascopium pallida (Adams) to concurrent infection with sporocysts of the strigeid trematodes, Cotylurus flabelliformis (Faust) and Diplostomum flexicaudum (Cort and Brooks). Anteson RK. Ann Trop Med Parasitol 64:101-7, Mar 70
Some remarks on the specificity of an agglutinin present in the snail Achatina. Uhlenbruck G. J Forensic Med 16:35-6, 1969
Haemagglutination and hemagglutination-inhibition reactions of extracts from snails and sponges. II. Haemagglutination-inhibition tests with biological materials and some substances contained in them. Khalap S, et al. Vox Sang 20:150-73, Feb 71
Haemagglutinins in water snails. Lee-Potter JP. Vox Sang 16:500-2, Jun 69
[Electron microscopic demonstration of antibodies from Helix pomatia L] Schnitzler S, et al. Acta Biol Med Ger 26:193-203, 1971 (Ger)
[Presence and distribution-rates of ABH-blood group specific hemagglutinins at 13 snail-species of the family Clausiliidae] Pieper H, et al. Z Immunitaetsforsch Exp Klin Immunol 142:141-7, Aug 71 (Ger)
[Anti-A1 from Bradybaena fruticum] Schnitzler S, et al. Z Immunitaetsforsch Exp Klin Immunol 141:317-21, Apr 71 (Ger)

METABOLISM

Formation of galactogen from glucose phosphates in albumen gland of Helix pomatia. Sawicka T, et al. Comp Biochem Physiol 26:707-13, Aug 68
RNA synthesis during cleavage of the Lymnaea egg. Biggelaar JA van den. Exp Cell Res 67:207-10, Jul 71
Strophochelius oblongus heart mitochondria: respiration and oxidative phosphorylation. Brandao D, et al. Exp Parasitol 26:203-8, Oct 69
Uptake and localization of radioactive zinc in the visceral complex of the land pulmonate Arion rufus. Schoettli G, et al. Experientia 26:1212-3, 15 Nov 70
Initial uptake, distribution and loss of soluble 106 Ru in marine and freshwater organisms in laboratory conditions. Van Der Borght O, et al. Health Phys 19:801-11, Dec 70
Application of calcium arsenate: histopathological changes & glycogen mobilization in Achatina fulica bowdich. Mandal TK, et al. Indian J Exp Biol 8:332-3, Oct 70
Carbamyl phosphate synthesis in a land snail, Strophochelius oblongus. Trameli PR, et al. J Biol Chem 245:6634-41, 25 Dec 70
Calcium regulation in the freshwater mollusc Limnaea stagnalis (L.). (Gastropoda: Pulmonata). II. Calcium movements between internal calcium compartments. Greenaway P. J Exp Biol 54:609-20, Jun 71
Observations on the effect of the rediae of Fasciola hepatica on the lipid composition of the hepatopancreas of Lymnaea truncatula. Southgate VR. Parasitology 61:293-9, Oct 70
Opal precipitation by marine gastropods (Mollusca). Lowenstam HA. Science 171:487-90, 5 Feb 71
Pathway of incorporation of vitamin A 3H2 into photoreceptors of a snail, Helix aspersa. Brandenburger JL, et al. Vision Res 10:639-53, Aug 70
Distribution of biogenic amines in the slug, Limax maximus. Osborne NN, et al. Z Zellforsch Mikrosk Anat 112:15-30, 1971
[Site of elaboration and migration of glycoproteins in the Golgi apparatus of multifid glands cells of the snail Helix pomatia (L.) after labelling in vitro. High-resolution autoradiographic study] Hollande E, et al. C R Acad Sci [D] (Paris) 271:722-5, 24 Aug 70 (Fre)
[Incorporation of H3-thymidine into cells and tissues of Helix pomatia L (Gastropoda, Pulmonata)] Kuhlmann D. Experientia 27:890-1, Jun 71 (Ger)
[Uptake of trypan blue and ferritin into the "Globular Cells" of the connective tissue of Helix pomatia and Cepaea nemoralis (Stylommatophora, Pulmonata)] Buchholz K, et al. Z Zellforsch Mikrosk Anat 113:203-15, 1971 (Ger)
[Studies on amino acid metabolism of the nervous system of the Japanese land snail Euhadra peliomphala] Sugaya A. J Physiol Soc Jap 33:238-47, Apr 71 (Jap)
[Relation of the intracellular concentration of bound calcium in giant neurons of the snail Helix pomatia on extracellular concentration of calcium, magnesium and sodium ions] Kvikilte AV, et al. Tsitologiia 11:360-5, 1969 (Rus)

PHYSIOLOGY

The role of amoebocytes in the regeneration of shell in the land pulmonate, Euplecta indica (Pfieffer). Kapur SP, et al. Biol Bull 139:502-9, Dec 70
Tissue buffering in the snail, Helix aspersa. Burton RF. Comp Biochem Physiol 37:193-203, 15 Nov 70
Hepatopancreatic lipolytic activity in the aestivated pond snail, Pila globosa. Krishnamoorthy RV, et al. Indian J Exp Biol 8:145-6, Apr 70
Calcium regulation in the freshwater mollusc, Limnaea stagnalis (L.) (Gastropoda: Pulmonata). I. The effect of internal and external calcium concentration. Greenaway P. J Exp Biol 54:199-214, Feb 71
Sodium regulation in the freshwater mollusc Limnaea stagnalis (L.) (Gastropoda: Pulmonata). Greenaway P. J Exp Biol 53:147-63, Aug 70
Plasticity of firing patterns in neurons of Aplysia pleural ganglion. Kristan WB Jr. J Neurophysiol 34:321-36, May 71
Parabiotic technique for study of snails and their trematode parasites. Heyneman D, et al. J Parasitol 57:446-8, Apr 71
"New" sense organ of primitive gastropods. Szal R. Nature (Lond) 229:490-2, 12 Feb 71
Properties of somatic membrane patches of snail neurons under voltage clamp. Neher E, et al. Pfluegers Arch 322:35-8, 1971
Electrical responses from the eye of Helix to photic stimulation and simultaneous electrical stimulation of the optic nerve. Gillary HL. Vision Res 10:977-91, Oct 70
[Biological cycle and sexual inversion in Patella vulgata L (prosobranch gastropod mollusc)] Choquet M. Gen Comp Endocrinol 16:59-73, Feb 71 (Fre)

SNAKE BITES (C14)

see also related
VENOMS (D12)

Viper bites. Houghton AW. Br Med J 2:650, 12 Jun 71
African cobra bite. Russell FE, et al. Br Med J 2:650, 12 Jun 71
Review of current management of snakebites. Longo MF. J La State Med Soc 123:9-12, Jan 71
Snake-bite. Higlett KM. Med J Aust 2:1214, 19 Dec 70
A case of snake bite. Paget M. Med J Aust 1:714, 27 Mar 71
Envenomation by the Australian common brown snake--Pseudonaja (Demansia) textilis textilis. Schapel GJ, et al. Med J Aust 1:142-4, 16 Jan 71
Snake bite as a holiday hazard. Reid HA. Practitioner 206:803-8, May 71
[Death from a snake bite on the tongue] Shagylydzhov K, et al. Sud Med Ekspert 14:55-6, Apr-Jun 71 (Rus)
[Snake bites] Resoagli EH, et al. Arch Argent Pediatr 68:363-5, Dec 70 (Spa)

COMPLICATIONS

Defibrination following Echis colorata bite in man. Fainaru M, et al. Isr J Med Sci 6:720-5, Nov-Dec 70
Snake venom poisoning in the United States. Russell FE. Med Arts Sci 23:3-14, 1969
Bilateral cortical necrosis of the kidneys following snakebite. Varagunam T, et al. Postgrad Med J 46:449-51, Jul 70
Profound thrombocytopenia associated with Crotalus ruber ruber envenomation: a clinical case. Lyons WJ. Toxicon 9:237-40, Jul 71
[Case of partial ophthalmoplegia caused by a bite of a viper] Ferrannini G. Minerva Oftalmol 12:62-4, Mar-Apr 70 (Ita)

DRUG THERAPY

Viper bites. O'Donnell AJ. Br Med J 3:115, 10 Jul 71
Viper bites. Reid HA. Br Med J 3:182, 17 Jul 71
A case of king cobra bite. Ganthavorn S. Toxicon 9:293-4, Jul 71
[Clinical and toxological problems in poisonous snake bites] Scholer H, et al. Schweiz Med Wochenschr 100:1761-6, 17 Oct 70 (Ger)

SURGERY

Treatment of rattlesnake bites. Indications for surgery. Weaver JK. Rocky Mt Med J 67:31-4, Sep 70

THERAPY

Case of African cobra bite. Davidson RA. Br Med J 4:660, 12 Dec 70
Haemodialysis in poisoning by sea-snake venom. Sitprija V, et al. Br Med J 3:218-9, 24 Jul 71
Snakebite or frostbite: what are we doing? An evaluation of cryotherapy for envenomation. Frank HA. Calif Med 114:25-7, May 71
The management of snakebite. Fowler JM. Int Anesthesiol Clin 7:987-96, Winter 69 (9 ref.)
Treatment of rattlesnake bite. Lockhart WE. Southwest Med 52:99-101, May 71

SNAKES (B2)

Arizona isolations in Israel (1957-1969). Sechter I, et al. Ann Inst Pasteur (Paris) 119:323-8, Sep 70
The identification of the special glutamic acid residue essential for activity of cobratoxin. Chang CC, et al. Biochem Biophys Res Commun 43:429-34, 16 Apr 71
The amino acid sequence of cardiotoxin from Formosan cobra (Naja naja atra) venom. Narita K, et al. Biochem Biophys Res Commun 41:339-43, 23 Oct 70
Antibody against Western equine encephalitis virus occurring in the serum of garter snakes (Colubridae: Thamnophis) in Saskatchewan. Prior MG, et al. Can J Comp Med 35:40-3, Jan 71
Evolution of sex-chromosomes and formation of W-chromatin in snakes. Ray-Chaudhuri SP, et al. Chromosoma 33:239-51, 1971
Multiple sex-chromosomes in the common Indian krait, Bungarus caeruleus Schneider. Singh L, et al. Chromosoma 31:386-91, 1970
The calcium and phosphate metabolism of reproducing reptiles with particular reference to the adder (Vipera berus). Jenkins NK, et al. Comp Biochem Physiol 26:865-76, Sep 68
Sexual dimorphism in somatic interphase nuclei of snakes. Ray-Chaudhuri SP, et al. Cytogenetics 9:410-23, 1970
Isolation of the principal neurotoxins of two Naja naja subspecies. Karlsson E, et al. Eur J Biochem 21:1-16, 15 Jul 71
Preventive effect of local heparin administration on microvascular pulmonary hemorrhages induced by cobra venom in mice. Bonta IL, et al. Eur J Pharmacol 13:97-102, 1970
Normal ganglionic transmission in the presence of acetylcholine block by sea snake (Enhydrina schistosa) venom. Chan KE, et al. Eur J Pharmacol 13:277-9, Jan 71
Tumours in reptiles inoculated with chicken Rous sarcoma material. Veskova TK, et al. Folia Biol (Praha) 16:353-5, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The neurohypophyseal hormones of reptiles: comparison of the viper, cobra, and elaphe active principles. Acher R, et al.
Gen Comp Endocrinol 13:357-60, Dec 69
Arizona infection in snakes, rats and man. Sharma VK, et al. Indian J Med Res 58:409-12, Apr 70
Steatitis in a captive Marcy garter snake. Langham RF, et al. J Am Vet Med Assoc 159:640-1, Sep 71
Effects of the venom of the rhinoceros horned viper (Bitis nasicornis) on blood coagulation, platelet aggregation, and fibrinolysis. MacKay N, et al.
J Clin Pathol 23:789-96, Dec 70
A second species of Vatacarus (Prostigmata, Trombiculidae) infesting the trachea of amphibious sea snakes. Nadchatram M, et al.
J Med Entomol 8:37-40, 30 Mar 71
The action of a depolarizing fraction from Naja nivea venom on frog skeletal muscle. Earl JE, et al.
J Physiol (Lond) 214:27P-28P, Apr 71
Rattlesnake denning: theoretical considerations on winter temperatures. White FN, et al.
J Theor Biol 30:553-7, Mar 71
Electrophoretic studies on Habu snake venom (Trimeresurus flavoviridis), with special reference to the changes in consecutive venom collection. Ishii A, et al. Jap J Exp Med 40:141-9, Jun 70
Chemical modification of cobratoxin from the venom of Formosan cobra (Naja naja atra). Chang CC, et al.
Jap J Med Sci Biol 23:357-60, Oct 70
Immunogenicity in monkeys of a combined toxoid from the main toxic principles separated from Habu snake venom. Kondo H, et al.
Jap J Med Sci Biol 23:413-8, Dec 70
Purification and some properties of toxin A from the venom of the Indian cobra (Naja naja). Nakai K, et al.
Jap J Med Sci Biol 24:27-30, Feb 71
Action of Trimeresurus flavoviridis venom on the microcirculatory system of rat; dynamic aspects as revealed by cinephotomicrographic recording. Osaka A, et al. Jap J Med Sci Biol 24:34-9, Feb 71
Studies on immunogenicity of toxoxids from Habu (Trimeresurus flavoviridis) venom. Sadahiro S, et al.
Jap J Med Sci Biol 23:285-9, Aug 70
Studies on snake venom phospholipase A: isolation, characterization and partial amino acid sequence. Samejima Y, et al. Jap J Med Sci Biol 24:31-4, Feb 71
Biochemical and immunochemical studies on cobrotoxin. Yang CC. Jap J Med Sci Biol 24:26, Feb 71
Effect of thiol-compound on toxicity of habu snake (Trimeresurus flavoviridis hallowell) venom. Kurihara N, et al. Jap J Pharmacol 21:253-61, Apr 71
A prolonged defibrination caused by Echis carinatus venom. Kornalik F, et al.
Life Sci [II] 10:309-14, 22 Mar 71
Differential reactions of Atlantic and Pacific predators to sea snakes. Rubinoff I, et al.
Nature (Lond) 228:1288-90, 26 Dec 70
The N-terminal amino acid sequences of two basic cytotoxic proteins from the venom of the Indian Cobra. Takechi M, et al.
Naturwissenschaften 58:323-4, Jun 71
Biochemistry and pharmacology of the crotoxin complex. I. Subfractionation and recombination of the crotoxin complex. Rübsamen K, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:274-88, 1971
Dracunculus riccii sp. n. from a snake Natrix natrix. Deshmukh PG. Riv Parassitol 31:143-6, Jun 70
Snake infrared receptors: thermal or photochemical mechanism? Harris JF, et al.
Science 172:1252-3, 18 Jun 71
Disc electrophoresis of glycoproteins in snake venoms. Basu AS, et al. Toxicon 8:279-84, Nov 70
Use of o-phenylphenol for the prevention and treatment of ulcerative stomatitis in crotalid snakes. Bonilla CA, et al. Toxicon 9:177-8, Apr 71
Purification and partial characterization of two proteolytic enzymes from the venom of Vipera russelli. Dimitrov GD. Toxicon 9:33-44, Jan 71
A study on sea-snake venom phospholipase A. Ibrahim SA. Toxicon 8:221-4, Sep 70
Toxicity and some enzymatic properties and activities in the venoms of Crotalidae, Elapidae and Viperidae. Kocholaty WF, et al. Toxicon 9:131-8, Apr 71
Preparation of a coral snake antivenin from goat serum. Kocholaty WF, et al. Toxicon 9:297-8, Jul 71
Are neurotoxins from elapid venoms glycoproteins? Lin SY, et al. Toxicon 9:295-6, Jul 71
Effects of Naja nigricollis venom on blood and tissue histamine. Mohamed AH, et al.
Toxicon 9:169-72, Apr 71
The effect of Naja nigricollis venom on blood clotting. Mohamed AH, et al. Toxicon 9:173-6, Apr 71
Ionophoretic fractionation of Naja haje venom. Mohamed AH, et al. Toxicon 9:197-200, Jul 71
Neutralization of Vipera palestinae hemorrhagin by antibody fragments. Moroz C, et al.
Toxicon 9:57-62, Jan 71
Relationship between pharmacological actions and enzymatic activities of the venom of Trimeresurus gramineus. Ouyang C, et al. Toxicon 8:183-91, Aug 70
Binding of iodinated erabutoxin b, a sea snake toxin, to the endplates of the mouse diaphragm. Sato S, et al.
Toxicon 8:313-4, Nov 70
Snake venom toxins. I. Preliminary studies on the separation of toxins of Elapidae venoms. Strydom DJ, et al. Toxicon 8:203-9, Sep 70
The effect of ultra-violet light on the toxicity and the enzymatic and antigenic activities of snake venom. Tejasen P, et al. Toxicon 8:225-33, Sep 70
Studies on puff adder (Bitis arietans) venom. I. Purification and properties of protease A. Van der Walt SJ, et al. Toxicon 9:153-61, Apr 71
Purification and characterization of phospholipase A from the venom of Naja nigricollis. Wahlström A.
Toxicon 9:45-56, Jan 71
Cardiovascular and muscular effects of venom from coral snake, Micrurus fulvius. Weis R, et al.
Toxicon 9:219-28, Jul 71
Ultrastructural changes in the motor nerve terminals caused by beta-bungarotoxin. Chen IL, et al.
Virchows Arch [Zellpathol] 6:318-25, 1970
[Investigations on the hibernation of tahyna and calovo viruses in amphibians and reptiles. Aspöck H, et al.
Zentralbl Bakteriol [Orig] 216:1-8, 1971
[A new ascarid, Ophidascris n. sp., parasite of Natrix piscator (Schlegel) in South Vietnam] Le-Van-Hoa, et al. Bull Soc Pathol Exot 63:382-7, May-Jun 70 (Fre)
[Attempt at classification of toxic proteins extracted from snake venoms] Boquet P, et al.
C R Acad Sci [D] (Paris) 271:1456-9, 19 Oct 70 (Fre)
[Corticotropin control of adrenal corticosteroidogenesis in lower vertebrates (reptiles, teleosts)] Leloup-Hatey J.
Comp Biochem Physiol 26:997-1013, Sep 68 (Fre)
[A comparison of the neuromuscular action of crotamine and the venom of Crotalus durissus terrificus var. crotaminicus. 1. Neuromuscular preparations in situ] Cheymol J, et al.
Toxicon 9:279-86, Jul 71 (Fre)
[A comparison of the neuromuscular action of crotamine and the venom of Crotalus durissus terrificus var. crotaminicus. 2. Isolated preparations] Cheymol J, et al. Toxicon 9:287-9, Jul 71 (Fre)
[The vipers of western Africa. Echis carinatus ocellatus subsp. nov. (Serpentes, Viperidae)] Stemmler O.
Rev Suisse Zool 77:273-82, Jun 70 (Ger)
[Action of snake Bothrops jararaca venom in the treatment of ophthalmic zona] Arezzi R.
Minerva Oftalmol 11:43-7, Mar-Apr 69 (Ita)
[Toxoids from the venom of habu. 1. Detoxification of habu venom with formalin] Sadahiro S.
Jap J Bacteriol 26:214-21, Jun 71 (Jap)
[Structure of neurotoxins of sea snakes] Sato S.
Protein Nucleic Acid Enzyme (Tokyo) 16:86-95, Feb 71 (36 ref.) (Jap)
[Notes on haemogregarins of Brazilian serpents. X. New parasitic species of Hydrodynastes gigas (D. and B.) and Corallus hortulanus (L.)] Pessôa SB, et al.
Rev Bras Biol 30:351-4, Sep 70 (Por)
[The venoms of cobra] Ráfful M.
Rev Bras Med 27:384-5, Jul 70 (Por)
[Note on haemogregarines from Brazilian snakes. On a new species of the genus Haemogregarina (S.S.), parasite of Thamnodynayes pallidus nattereri (Thumberg) and its development in mosquitoes] Pessôa SB, et al.
Rev Lat Am Microbiol 13:29-32, Jan-Mar 71 (Por)
[Measurement of the coagulation activity of snake venoms: importance to scientific research and therapeutic application] Rosenfeld G, et al.
Rev Paul Med 77:149-50, Apr 71 (Por)
[Histochemical study of polysaccharides in the veneniferous gland in vipers] Zakharov AM.
Arkh Anat Gistol Embriol 60:85-8, 1971 (Rus)
[Hydrolysis of low molecular weight substrates with diester and pyrophosphate bonds by snake venom phosphodiesterase] Dolapchiev LB.
Biokhimiia 35:1073-7, Nov-Dec 70 (Rus)
[Composition of Vipera lebetina venom according to column chromatographic data] Poguda AA, et al.
Biull Eksp Biol Med 72:45-7, Jul 71 (Rus)
[Incidence of leptomonad infection in snakes of the Turkmen SSR] Belova EM, et al.
Med Parazitol (Mosk) 38:304-6, May-Jun 69 (Rus)
[Notes on hemogregarines of Brazilian snakes. X. Hemogregarines of Hydrogynastes gigas (Duméril and Bibron) and its development] Pessôa SB, et al.
Rev Lat Am Microbiol 12:197-200, Oct-Dec 70 (Spa)

ANATOMY & HISTOLOGY

The distinctive characters of the elapid chondrocranium. Kamal AM. Anat Anz 127:171-5, 1970
Seasonal changes in the histology of the adrenal gland of the cobra, Naja naja. Lofts B, et al.
Gen Comp Endocrinol 16:121-31, Feb 71
[Venous system of the Viper Vipera aspis (L)-Reptilia-Ophidia-Viperidae] Lécuru-Renous S, et al. Gegenbaurs Morphol Jahrb 115:238-56, 1970 (Fre)
[The pineal organ of the snake Tropidonotus natrix L. I. Histological and ultrastructural studies] Petit A.
Z Zellforsch Mikrosk Anat 120:94-119, 1971 (Fre)
[Ontogenesis of the tectum opticum of Natrix natrix (L.)] Senn DG.
Acta Anat (Basel) 76:545-63, 1970 (Ger)

CYTOLOGY

[The Papillary pseudo-conus of ophidians. Ultrastructure of the viper, Vipera aspis (Viperidae)] Anh JN. Z Mikrosk Anat Forsch 83:289-98, 1971 (Fre)

EMBRYOLOGY

Developmental pattern of enzyme secretion in the embryonic venom glands of Vipera palaestinae (Ophidia, Reptilia). Fein A, et al.
Dev Biol 24:520-32, Apr 71
Growth and metabolism in snake embryos. Dmi'el R.
J Embryol Exp Morphol 23:761-72, Jun 70
[Embryogenesis of the epiphysis and subcommissural organ of the ring snake (Tropidonotus natrix L)] Petit A.
Arch Anat Histol Embryol (Strasb) 52:1-25, 1969 (Fre)
[Early development of the embryo and extra-embryonic localization of gonocytes in reptiles] Hubert J.
Arch Anat Microsc Morphol Exp 59:253-70, Jul-Sep 70 (Fre)

ENZYMOLOGY

Collagenolytic activity from venom of the rattlesnake Crotalus atrox. Simpson JW, et al.
Proc Soc Exp Biol Med 137:893-5, Jul 71

IMMUNOLOGY

Coral snake venoms. In vitro relation of neutralizing and precipitating antibodies. Cohen P, et al.
Am J Trop Med Hyg 20:846-9, Jul 71

METABOLISM

Loss and subsequent recovery of body weight in water-deprived snakes (Elaphe obsoleta obsoleta). Myer JS, et al. J Comp Physiol Psychol 75:5-9, Apr 71

PHYSIOLOGY

The effects of in vivo light and temperature acclimation on in vitro responses of heart rate to temperature in a cold-climate reptile, Thamnophis sirtalis parietalis. Aleksiuk M.
Can J Zool 48:1155-61, Nov 70
Temperature effects on spontaneous and evoked neural activity in the garter snake. Andry ML, et al.
Exp Neurol 31:32-44, Apr 71
Parathyroid gland of the snake Elaphe quadrivirgata with special reference to parathyroidectomy. Oguro C. Gen Comp Endocrinol 15:313-9, Oct 70
Mid-brain responses of the auditory and somatic vibration systems in snakes. Hartline PH.
J Exp Biol 54:373-90, Apr 71
Physiological basis for detection of sound and vibration in snakes. Hartline PH. J Exp Biol 54:349-71, Apr 71
Chemical-cue preferences of newborn snakes: influence of prenatal maternal experience. Burghardt GM. Science 171:921-3, 5 Mar 71
Extreme adaptability to light, in the round pupil of the snake Spalerosophis. Werner YL.
Vision Res 10:1159-64, Nov 70

SNEEZING (G1)

[Palpebro-sternutatory reflex] Etzine S.
Bull Mem Soc Fr Ophtalmol 81:250-2, 1968 (Fre)

DRUG EFFECTS

[Influencing of defensive reflexes of respiratory ways by chlorpromazine] Tomori Z.
Cesk Fysiol 19:281-5, Dec 70 (Cze)

SNOW see under WEATHER (G3)

SNUFF see under TOBACCO (B6)

SOAPS (D13)

Sensitivity to proteolytic enzymes in laundry detergents. Shapiro RS, et al. J Allergy 47:76-9, Feb 71
Photosensitivity and soaps. Auerbach R, et al.
NY State J Med 71:747-50, 1 Apr 71
[Studies on the physicochemical properties of aluminum soaps. IX. Surface pressure and specific water evaporation resistance of monolayers of aluminum stearates] Nakagaki M, et al.
J Pharm Soc Jap 90:1088-94, Sep 70 (Jap)
[Experience in the use of DNS-AK bar soap under industrial conditions] Filatov GI, et al.
Vestn Dermatol Venerol 44:76-7, Feb 70 (Rus)

ADMINISTRATION & DOSAGE

Termination of pregnancy by the intrauterine insertion of Utus paste. Sood SV. Br Med J 2:315-7, 8 May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ADVERSE EFFECTS

The enema can be a dangerous act. Bernstein WC. Minn Med 53:1181 passim, Nov 70
Soap colitis. Pike BF, et al. N Engl J Med 285:217-8, 22 Jul 71
[Contact allergy and toxic reactions to cationic compounds] Huriez C, et al. G Ital Dermatol 44:464-7, Sep 69 (Fre)

HISTORY

[German soap recipes in the late Middle Ages] Haage B. Sudhoffs Arch 54:294-8, Oct 70 (Ger)

PHARMACODYNAMICS

A comparison of methods for assessing the value of antibacterial soaps. Wilson PE. J Appl Bacteriol 33:574-81, Sep 70
[Survival duration of bacteria on utility soaps] Eschment R, et al. Oeff Gesundheitswes 32:527-9, Oct 70 (Ger)
[The influence of washing agents on the qualitative immunological chorionic gonadotropin determination in blood traces] Göring HD, et al. Z Gesamte Hyg 14:861-2, Nov 68 (Ger)
[Residual bactericidal activity of several disinfectants used for disinfecting the hands] Fediaev BP, et al. Zh Mikrobiol Epidemiol Immunobiol 46:108-12, Oct 69 (Rus)

THERAPEUTIC USE

A "soap trial" for the treatment of erythrasma. Somerville DA, et al. Trans St Johns Hosp Dermatol Soc 56:172-4, 1970
[Treatment of seborrheic dermatitis of the scalp. Therapeutic evaluation of a 1 per cent solution of selenium sulfate] Paschoal LH. Hospital (Rio de J) 78:85-8, Jul 70 (Por)

SOCIAL ADJUSTMENT (F1)

see also related
ADAPTATION, PSYCHOLOGICAL (F1)

The effects of adapted physical education upon the social adjustment and motor proficiency of educable mentally retarded girls. Adams KO. Am Correct Ther J 25:64-7, May-Jun 71
School adjustment and behavior of children hospitalized for schizophrenia as adults. Watt NF, et al. Am J Orthopsychiatry 40:637-57, Jul 70
A 5- to 10-year followup of hospitalized school phobic children and adolescents. Weiss M, et al. Am J Orthopsychiatry 40:672-6, Jul 70
Casual versus heavy use of marijuana: a redefinition of the marijuana problem. Mirin SM, et al. Am J Psychiatry 127:1134-40, Mar 71
A study of personality assets in a rural community. Beiser M. Arch Gen Psychiatry 24:244-54, Mar 71
Social systems intervention. Polak P. Arch Gen Psychiatry 25:110-7, Aug 71
The abilities of partially hearing children. Hine WD. Br J Educ Psychol 40:171-8, Jun 70
The mental implications of sex chromosome aberrations. Forssman H. Br J Psychiatry 117:353-63, Oct 70 (65 ref.)
"Over the hump" in Vietnam. Adjustment patterns in a time-limited stress situation. Morris LE. Bull Menninger Clin 34:352-62, Nov 70
Recognition of psychosocial factors. Levinson D. Clin Obstet Gynecol 13:756-83, Sep 70
Children with learning problems: academic history, academic prediction, and adjustment three years after assessment. Hinton GG, et al. Except Child 37:513-9, Mar 71
Special problems of the retarded in adulthood. Adams ME. Hosp Community Psychiatry 22:221-5, Jul 71
Preparing long-term retarded residents for community placement. Zerolis JB. Hosp Community Psychiatry 22:148-50, May 71
A research strategy. Green R. Int J Psychiatry 9:269-73, 1970-71
Sex reassignment. Money J. Int J Psychiatry 9:249-69, 1970-71
Factors associated with accuracy of prediction of posthospitalization adjustment. Bloom BL, et al. J Abnorm Psychol 76:243-9, Oct 70
The role of geographic mobility in some adjustment problems of children and families. Tooley K. J Am Acad Child Psychiatry 9:366-78, Apr 70
The social impact of haemophilia. Boon RA, et al. J Biosoc Sci 2:237-64, Jul 70
Aspects of old age in age-specific mortality rates. Bytheway WR. J Biosoc Sci 2:337-49, Oct 70
Some reflections on "antecedents of optimal psychological adjustment". Bronfenbrenneru. J Consult Clin Psychol 35:296-7, Dec 70
Ego identity status, adjustment, and academic achievement. Cross HJ, et al. J Consult Clin Psychol 34:288, Apr 70
The action-thought dimension, social competence, and defense effectiveness. Grisso JT. J Consult Clin Psychol 36:448, Jun 71
Personality antecedents and correlates of drinking patterns in women. Jones MC. J Consult Clin Psychol 36:61-9, Feb 71
Optimal psychological adjustment: a relativistic interpretation. Miller DR. J Consult Clin Psychol 35:290-5, Dec 70
An investigation of six- to eleven-year-old children with allergic disorders. Rawls DJ, et al. J Consult Clin Psychol 36:260-4, Apr 71
Dogmatism, hospital behavior and posthospitalization adjustment. Scheid AB, et al. J Consult Clin Psychol 37:164, Aug 71
Antecedents of optimal psychological adjustment. Siegelman E, et al. J Consult Clin Psychol 35:283-9, Dec 70
Retrospective analysis of posthospital mental patients' worlds. Miller D. J Health Soc Behav 8:136-40, Jun 67
Life events and psychiatric impairment. Myers JK, et al. J Nerv Ment Dis 152:149-57, Mar 71
Dimensions of social adjustment in depressed women. Paykel ES, et al. J Nerv Ment Dis 152:158-72, Mar 71
Studies of the school-age child with meningomyelocele: social and emotional adaptation. Kolin IS, et al. J Pediatr 78:1013-9, Jun 71
Relationships among self-ideal congruence, adjustment, and fear-of-failure motivation. Smith BD, et al. J Pers 39:44-56, Mar 71
Social and psychological factors in the treatment of chronic alcoholism. Kissin B, et al. J Psychiatr Res 8:13-27, Oct 70
Prejudice and adjustment to cultural norms among English-speaking South Africans. Orpen C. J Psychol 77:217-8, Mar 71
The Social Readjustment Rating Scale: a cross-cultural study of Western Europeans and Americans. Harmon DK, et al. J Psychosom Res 14:391-400, Dec 70
The social readjustment rating scale: a comparative study of Swedes and Americans. Rahe RH, et al. J Psychosom Res 15:241-9, Sep 71
Hemophilia: psycho-social aspects. Malikin D. J Rehabil 37:36-8, May-Jun 71
Adjustment services in rehabilitation. Sankovsky R. J Rehabil 37:8-10, Jul-Aug 71
The immigrant acculturation scale: a socio-psychiatric tool for assessing immigrant adaptation. Sarwer-Foner GJ, et al. Laval Med 41:465-77, Apr 70
Social adequacy of state mental hospital patients. Bentinck C, et al. Ment Hyg 54:421-4, Jul 70
Moving the hard to move. Coogan D, et al. Ment Hyg 54:520-4, Oct 70
Research on social adjustment and the mentally retarded: functioning and training. Drew CJ. Ment Retard 9:26-8, Aug 71
Extra-curricular activities as a factor in social acceptanced among EMR students. McDaniel CO Jr. Ment Retard 1:26-8, Apr 71
Study of adaptive behavior: its rationale, method and implication inrehabilitation programs. Nihira K, et al. Ment Retard 8:11-6, Oct 70
Study of adaptive behavior: its rationale, method and implication in rehabilitation programs. Nihira K, et al. Ment Retard 8:11-6, Oct 70
Three year follow-up of intensive habit-training program. Leath JR, et al. Ment Retard Abstr 8:32-4, Jun 70
Vocational adjustment of young retarded adults. Tobias J. Ment Retard Abstr 8:13-6, Jun 70
The anatomy of change. Johnson WH Jr. Minerva Pediatr 67:707-11, Oct 70
Psychologic and social precursors of coronary disease. (II). Jenkins CD. N Engl J Med 284:307-17, 11 Feb 71 (66 ref.)
Unlock the door on youth problems: the adolescent from eleven to sixteen years. I. Oberst BB. Nebr State Med J 56:264-7, Jul 71
Social interaction and emotional adjustment among the blind. Klich BD, et al. Percept Mot Skills 32:516-8, Apr 71
Difficulties in adjusting to life. Holman P. Physiotherapy 55:491-8, Dec 69
Some social and psychological aspects of rheumatoid arthritis. Samuels BM, et al. Physiotherapy 56:404-8, Sep 70
Some aspects of sexual adjustment in early and later adolescence. Gagnon JH, et al. Proc Am Psychopathol Assoc 59:275-98, 1970
Vocational rehabilitants' personality and work adjustment: a test of Holland's theory of vocational choice. Bates GL, et al. Psychol Rep 26:511-6, Apr 70
Magnitude of life events and seriousness of illness. Wyler AR, et al. Psychosom Med 33:115-22, Mar-Apr 71
Definitions of alcoholism. Relevance of liver disease and temperance board registrations in Sweden. Bjurulf P, et al. Q J Stud Alcohol 32:393-405, Jun 71
Problems of adjustment reported by alcoholics prior to leaving a hospital treatment program. Gross WF, et al. Q J Stud Alcohol 32:454-6, Jun 71
Social factors contributing to maladjustment in children. A community study based on a school. Brennan ME. R Soc Health J 90:216-8, Jul-Aug 70
The epidemiology of maladjustment. Brittain M. R Soc Health J 90:219-22, Jul-Aug 70
Personal-social adjustment, physical fitness, attitude toward physical education of high school girls by socioeconomic level. Young ML. Res Q Am Assoc Health Phys Educ 41:593-9, Dec 70
Social problems. Macindoe K. Rheumatol Phys Med 10:435-7, Nov 70
Psycho-social transitions: a field for study. Parkes CM. Soc Sci Med 5:101-15, Apr 71
Factors in an adaptive behavior check list for use with retardates. Allen RM, et al. Train Sch Bull (Vinel) 67:144-57, Nov 70
Preliminary report: Vineland Ego Development Profile. Paul HA, et al. Train Sch Bull (Vinel) 68:4-11, May 69
[Theoretical basis of the new mental health perspective] Joshi P. Ann Med Psychol (Paris) 1:497-535, Apr 71 (Fre)
[Psychosocial readjustment of aged persons] Hugonot R, et al. Maroc Med 50:15-7, Jan 70 (Fre)
[Work and mental health] Gosselin JY. Union Med Can 99:1120-4, Jun 70 (Fre)
[Therapy and evolutionary development of tuberculosis] Sighart H. Pneumonologie 143:240-7, 1970 (Ger)
[Professional and social rehabilitation of institutionalized retarded adolescents and adults] Stöckmann F. Prax Kinderpsychol Kinderpsychiatr 19:287-92, Nov-Dec 70 (Ger)
[Problems of methods in human ethology] Schmidbauer W. Stud Gen (Berl) 24:462-94, 1971 (Ger)
[Social position of woman in modern industrial society] Stamm H. Ther Ggw 109:1385-6 passim, Oct 70 (Ger)
[Prostestatory adolescence and its educational problems] Bertin GM. Minerva Pediatr 22:2112-20, 27 Oct 70 (Ita)
[Experiences in assistance to the scholarship holders of the senior high schools] Bianchin AS, et al. Minerva Pediatr 22:2153-5, 3 Nov 70 (Ita)
[On mental conflicts in adolescence] Canestrari R. Minerva Pediatr 22:2091-111, 27 Oct 70 (Ita)
[Cultural deprivation of the educator as a source of maladjustment in the formative period of pre-adolescence] Pozzi A. Minerva Pediatr 22:2262-3, 17 Nov 70 (Ita)
[Problems of social adaptation posed by compulsory high school] Rosmino GC, et al. Riv Clin Pediatr 81:1294-6, Nov-Dec 68 (Ita)
[Adjustment disorders in children and adolescents in the light of catamnesis] Szymahska Z, et al. Psychiatr Pol 5:309-16, May-Jun 71 (Pol)
[Adaptation and non-adaptation in a community for the aged] Enichescu C, et al. Rev Med Chir Soc Med Nat Iasi 74:713-8, Jul-Sep 70 (Rum)
[Social adaptation of patients with slow course of schizophrenia (based on findings of epidemiologic studies)] Serebriakova ZN. Zh Nevropatol Psikhiatr 70:1846-50, 1970 (Rus)
[Social experience] Lopez Ramirez R. Prensa Med Argent 57:1052-3, 31 Jul 70 (Spa)
[Sex chromosome aberrations: effect on intelligence, social adjustment and mental health] Forssman H. Lakartidningen 67:4293-304, 16 Sep 70 (63 ref.) (Swe)

SOCIAL BEHAVIOR (F1)

Citizenship and voting behavior of mildly retarded adults: a pilot study. Gozali J. Am J Ment Defic 75:640-1, Mar 71
Parent vs. teacher behavior ratings of TMR pupils. Jamison CB, et al. Am J Ment Defic 75:746-51, May 71
Extinction of social competency skills in severely and profoundly retarded females. Lawrence W, et al. Am J Ment Defic 75:630-4, Mar 71
Promotion of positive social interaction in severely retarded young children. Paloutzian RF, et al. Am J Ment Defic 75:519-24, Jan 71
The social role performance of depressed women: comparisons with a normal group. Weissman MM, et al. Am J Orthopsychiatry 41:390-405, Apr 71
Integrating the antisocial child. Szurek SA, et al. Am J Psychiatry 127:975-6, Jan 71
Self-consciousness considered within a theory of self. Zuger B. Am J Psychoanal 30:135-44, 1970
Pychiatry and its relationship to political behavior. The anticommunist complex. Wedge B. Am J Psychother 24:548-65, Oct 70
Societal reaction as an explanation of mental illness: an evaluation. Gove WR. Am Sociol Rev 35:873-84, Oct 70
Sleep and other behaviours of the red kangaroo (Megaleia rufa). Cicala GA, et al. Anim Behav 18:787-90, Nov 70
Adaptive integration of psychiatric symptoms in ego regulation. Coleman JV. Arch Gen Psychiatry 24:17-21, Jan 71
Work-flow influences on the interaction of schizophrenics. Lubow BK. Arch Gen Psychiatry 25:155-60, Aug 71
Social systems intervention. Polak P. Arch Gen Psychiatry 25:110-7, Aug 71
Psychological aspects of desert survival. Gray HS. Ariz Med 28:307-9, Apr 71
Individual and mass aggression--neo-Freudian point of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

view. Hott LR.
Behav Neuropsychiatry 2:15-6, Aug-Sep 70
Individual and mass aggression. Miller J.
Behav Neuropsychiatry 2:12-3, Aug-Sep 70
A study of eye-contact changes in depressed and recovered psychiatric patients. Hinchliffe MK, et al.
Br J Psychiatry 119:213-5, Aug 71
Social and economic aspects of transsexualism. Hoenig J, et al. Br J Psychiatry 117:163-72, Aug 70
Neurosis and marital interaction. II. Time sharing and social activity. Nelson B, et al.
Br J Psychiatry 117:47-58, Jul 70
Visiting in a female psycho-geriatric ward. Speck PW.
Br J Psychiatry 117:93-4, Jul 70
Figure-ground reversals in authoritarians, equalitarians, yeasayers nd naysaers. Becker G.
Br J Soc Clin Psychol 9:23-30, Feb 70
Investigation of social behaviour in primates (Saimiri sciureus) by means of telestimulation technique. Maurus M. Brain Res 24:553, 18 Dec 70
Social behavior deficits of free-ranging monkeys after anterior temporal cortex removal: a preliminary report. Myers RE, et al. Brain Res 18:551-6, 17 Mar 70
Television and social behavior. A challenge for research. Rubinstein E.
Clin Pediatr (Phila) 10:454-5, Aug 71
Normality--toward a meaningful construct. Horton PC.
Compr Psychiatry 12:54-66, Jan 71
Comparative performance of epileptic and nonepileptic children and adolescents. (On tests of academic, communicative and social skills). Green JB, et al. Dis Nerv Syst 32:418-21, Jun 71
Mortal wounds and pre-experientially differentiated social attitudes in white mice. Kalkowski W.
Folia Biol (Krakow) 18:253-69, 1970
Alien individuals and social attitudes of members of laboratory populations of white mice. Kalkowski W.
Folia Biol (Krakow) 18:295-310, 1970
Amygdalectomy and social behavior in the caged stump-tailed macaque (Macaca speciosa). Kling A, et al. Folia Primatol (Basel) 14:190-206, 1971
Using social-systems techniques on a crisis unit. Fish L.
Hosp Community Psychiatry 22:252-5, Aug 71
Evaluation of ward atmosphere. Kish GB.
Hosp Community Psychiatry 22:159-61, May 71
The irrelevance of hospital treatment to the patient's social system. Polak P.
Hosp Community Psychiatry 22:255-6, Aug 71
Reflections on the dissent of contemporary youth. Erikson EH. Int J Psychoanal 51:11-22, 1970
Verbal conditioning and dependency behavior in delinquents. Stewart DJ, et al.
J Abnorm Psychol 76:375-7, Dec 70
Effect of repetitive infant-infant separation of young monkeys. Suomi SJ, et al.
J Abnorm Psychol 76:161-72, Oct 70
Social behavior in farm animals. Wieckert DA.
J Anim Sci 32:1274-7, Jun 71 (22 ref.)
Behavioral validation of several values from the Rokeach Value Scale as an index of honesty. Shotland RL, et al. J Appl Psychol 54:433-5, Oct 70
The social responsibility of the scientist. Morton RA.
J Biosoc Sci 3:69-79, Jan 71
CPI correlates of stimulus-seeking in male alcoholics. Kish GB. J Clin Psychol 27:251-3, Apr 71
A correlational study of the dependency-proneness of prison inmates and membership in social clubs. Mattocks AL, et al. J Clin Psychol 27:48-50, Jan 71
Effects of student visits on social behavior of regressed schizophrenic patients. Spiegel D, et al.
J Clin Psychol 27:396-400, Jul 71
Affective, cognitive, and behavioral dimensions of communicative attitudes. Bostrom RN.
J Commun 20:359-69, Dec 70
On fighting in mice: ontogenetic and experiential determinants. Cairns RB, et al.
J Comp Physiol Psychol 74:354-64, Mar 71
Role of contact and sound in eliciting filial responses and development of social attachments in domestic guinea pigs. Harper LV.
J Comp Physiol Psychol 73:427-35, Dec 70
Alterations in social behavior following septal and amygdaloid lesions in the rat. Jonason KR, et al.
J Comp Physiol Psychol 75:286-301, May 71
Social deprivation, housing density, and gregariousness in rats. Latané B, et al.
J Comp Physiol Psychol 70:221-7, Feb 70
Ability of schizophrenic women to create a favorable or unfavorable impression on an interviewer. Kelly FS, et al. J Consult Clin Psychol 36:404-9, Jun 71
Group insight versus group desensitization in treating speech anxiety. Meichenbaum DH, et al.
J Consult Clin Psychol 36:410-21, Jun 71
Behavior problem checklist (Peterson-Quay): base-line data from parents of child guidance and nonclinic children. Speer DC.
J Consult Clin Psychol 36:221-8, Apr 71
The prestige of a profession and a social consciousness. Teuscher GW. J Dent Child 38:225-6, Jul-Aug 71
Disengagement potential: replication and use as an explanatory variable. Tissue T.
J Gerontol 26:76-80, Jan 71
On social responsibility. Bruhn JG.
J Med Educ 46:166-8, Feb 71
Lysergic acid diethylamide tartrate (LSD-25) dosage levels, group differences and social interaction. Cheek FE, et al. J Nerv Ment Dis 153:133-47, Aug 71
Social feedback: determination of social learning. Smith KU, et al. J Nerv Ment Dis 152:289-97, Apr 71
Internal-external control and competent and innovative behavior among Negro college students. Lao RC. J Pers Soc Psychol 14:263-70, Mar 70
Field dependence and prior reinforcement as determinants of social interaction in judgment. Mausner B, et al. J Pers Soc Psychol 16:486-93, Nov 70
Guilt, perceived injustice, and altruistic behavior. Regan JW. J Pers Soc Psychol 18:124-32, Apr 71
Observationally induced changes in children's interrogative classes. Rosenthal TL, et al.
J Pers Soc Psychol 16:681-8, Dec 70
Need for stimulation as a factor in social behavior. Sales SM. J Pers Soc Psychol 19:124-34, Jul 71
Agreement and positivity in pleasantness ratings of balanced and unbalanced social situations: a cross-cultural study. Whitney RE.
J Pers Soc Psychol 17:11-4, Jan 71
Dominance-submission in profoundly retarded male subjects under conditions of strong motivation. Cleland CC, et al. J Psychol 78:185-91, Jul 71
The utility of behavior management techniques in changing interracial behaviors. Williams RL, et al.
J Psychol 77:127-38, Jan 71
Psychosocial aspects of eating. Menzies IE.
J Psychosom Res 14:223-7, Sep 70
Critical vocational behaviors. Krantz G.
J Rehabil 37:14-6, Jul-Aug 71
Smoking and youth: contributions to the study of smoking behavior in high school students. Kahn EB, et al. J Sch Health 40:561-2, Dec 70
Conformity behavior in schizophrenics. Cull J.
J Soc Psychol 84:45-9, Jun 71
Relationship of class participation to personality, ability, and achievement variables. Williams RL.
J Soc Psychol 83:193-8, Apr 71
Authoritarianism and evaluation of appropriateness of role behavior. Yang KS.
J Soc Psychol 80:171-81, Apr 70
Observing the social behavior of preschool children. Morgenstern G. Laval Med 41:533-8, Apr 70
Youth in conflict: an explanation based on developmental approach. Shamsie SJ.
Laval Med 41:544-7, Apr 70
Legal commitment and hospital behavior. Rubington E.
Ment Hyg 53:41-53, Jan 69
Study of adaptive behavior: its rationale, method and implication inrehabilitation programs. Nihira K, et al.
Ment Retard 8:11-6, Oct 70
Study of adaptive behavior: its rationale, method and implication in rehabilitation programs. Nihira K, et al.
Ment Retard 8:11-6, Oct 70
On societies as organisms. Thomas L.
N Engl J Med 285:101-2, 8 Jul 71
Selfish and spiteful behaviour in an evolutionary model. Hamilton WD.
Nature (Lond) 228:1218-20, 19 Dec 70
Cycles in social behaviour. Simpson HW.
Nature (Lond) 231:463, 18 Jun 71
Cycles in social behaviour. Young M, et al.
Nature (Lond) 229:91-5, 8 Jan 71
Task and social orientation: a study of field dependence, "arousal," and memory for incidental material. Fitzgibbons DJ, et al.
Percept Mot Skills 32:167-74, Feb 71
Social interaction and intimacy in preschizophrenic adolescence. Kreisman D.
Proc Am Psychopathol Assoc 59:299-318, 1970
Sex differences in reaction to frustration among adolescents. Rosenzweig S.
Proc Am Psychopathol Assoc 59:90-107, 1970
Clinical and social aspects of risk-taking. Moran E.
Proc R Soc Med 63:1273-7, Dec 70
A comparison study: the epidemiological method as applied to the socialist and the contemporary concepts of alienation. McCardle ES.
Psychiatr Commun 13:21-7, 1971
New findings on the ontogeny of social behaviour in the squirrel monkey. Hopf S.
Psychiatr Neurol Neurochir 74:21-34, Jan-Feb 71
Early experience and the development of social behaviour in junglefowl. Kruijt JP.
Psychiatr Neurol Neurochir 74:7-20, Jan-Feb 71
Social interaction in the first weeks of human life. Richards MP.
Psychiatr Neurol Neurochir 74:35-42, Jan-Feb 71
Parties and cultural values: a kibbutz example. Rabkin LY. Psychiatry 33:482-93, Nov 70
Self-reconstitution processes: a preliminary report. Sarbin TR, et al. Psychoanal Rev 57:599-616, Winter 70
Altruistic behavior by children. Bryan JH, et al.
Psychol Bull 73:200-11, Mar 70
A denotative dimension of meaning for the mentally ill-healthy role in society. Noe FP.
Psychol Rep 28:519-31, Apr 70
Sociometric status in a psychiatrically deviant adolescent collectivity. Smith DH, et al.
Psychol Rep 27:483-97, Oct 70
Altruism in college women. Walker DN, et al.
Psychol Rep 27:887-94, Dec 70
An identical twin study of psychosocial factors in coronary heart disease in Sweden. Liljefors I, et al.
Psychosom Med 32:523-42, Sep-Oct 70
Feedback about interpersonal behavior as an agent of behavior change: a case study in the treatment of depression. Lewinsohn PM, et al.
Psychother Psychosom 17:82-8, 1969
Altruism is rewarding. Weiss RF, et al.
Science 171:1262-3, 26 Mar 71
Research design for investigation of the lasting behavioural effects of malnutrition: the prblem of controls. Warren N. Soc Sci Med 4:589-93, Dec 70
Task and social-emotional leadership role performance. Burke PJ. Sociometry 34:22-40, Mar 71
Factors in an adaptive behavior check list for use with retardates. Allen RM, et al.
Train Sch Bull (Vinel) 67:144-57, Nov 70
Employee perceptions of Daylight Savings Time as it influences job and patients' behavior. Cleland CC, et al. Train Sch Bull (Vinel) 67:25-9, May 70
Adaptive behavior in the retarded: a semi-longitudinal study. McIntosh EI, et al.
Train Sch Bull (Vinel) 66:12-22, May 69
Potlatch and Sagali: the structure of exchange in Haida and Trobriand societies. Rubel PG, et al.
Trans NY Acad Sci 32:732-42, Jun 70
Old people no problem among the Aymara Indians of Bolivia. De Tichauer RW.
Woman Physician 26:295-6, Jun 71
[Preferences and discriminations in health care] Heral V, et al. Cesk Zdrav 19:7-13, 1971 (Cze)
[Urban activity of the young and the old] Lipén K.
Geron 19:27-34, 1969-70 (Fin)
[Early social deprivation and appearance of the phenomenon of "parasitism" in the adult white rat] Anthouard F.
C R Acad Sci [D] (Paris) 272:2009-12, 14 Apr 71 (Fre)
[For a biology of social behavior or how to establish the region of imagination] Veylon R.
Presse Med 79:1220-4, 26 May 71 (Fre)
[Attempt at a psychological approach to a sample of adolescents from Dakar] Schenkel R, et al.
Rev Neuropsychiatr Infant 18:799-815, Oct-Nov 70 (Fre)
[Phylogenetic and anthropological studies on communication through presentation of the male genitals] Wickler W.
Bibl Psychiatr 147:122-37, 1971 (Ger)
[Aggression and social behaviour in pigs] Dimigen J, et al.
Dtsch Tieraerztl Wochenschr 78:461-5, 1 Sep 71 (Ger)
[The big family--a phantom?] Becker W.
Ther Ggw 109:1517 passim, Oct 70 (Ger)
[Social conflicts in today's and tomorrow's society] Atteslander P. Ther Umsch 28:353-8, Jun 71 (Ger)
[Adaptation and social structure of non-human primates] Sugiyama Y.
Adv Neurol Sci (Tokyo) 14:547-58, 1970 (Jap)
[Cultural perception of social facts: its implications in the field of public health] Piovesan A.
Rev Saude Publica 4:87-97, Jun 70 (Por)
[Threshold of detection of acoustic signals paired with painful stimulation of the observer or his partner] Valueva MN.
Zh Vyssh Nerv Deiat 19:714-5, Jul-Aug 69 (Rus)
[Dissociality, criminality, abnormality and deprivation] Rettig H. Lakartidningen 68:2086-8, 28 Apr 71 (Swe)

DRUG EFFECTS

The effects of anticholinergics on the behavior of the rat in a solitary and in a social situation. Poel AM van der, et al.
Arch Int Pharmacodyn Ther 189:394-6, Feb 71
Psychedelic-induced social behavior in mice: a preliminary report. Siegel RK, et al.
Psychol Rep 25:704-6, Dec 69
Changes in primate social behavior after treatment with alpha-methyl-para-tyrosine. Redmond DE Jr, et al. Psychosom Med 33:97-113, Mar-Apr 71

SOCIAL BEHAVIOR DISORDERS (F2)

see also related
SOCIOPATHIC PERSONALITY (F2)

Values in deviancy theory and society. Taylor I, et al.
Br J Sociol 21:362-74, Dec 70
Hooligans and vandals. Br Med J 2:296, 8 May 71
Psychosocial profiles and efficacy of lithium treatment. Demers RG. Dis Nerv Syst 32:249-54, Apr 71
Clinical correlates of sociopathy in childhood. Hauser CE. Dis Nerv Syst 31:558-60, Aug 70
Competencies needed by teachers of the emotionally disturbed and socially maladjusted: a comparison. Bullock LM, et al. Except Child 37:485-9, Mar 71
Relation of formal thought disorder to the communication deficit in schizophrenics. Suchotliff LC. J Abnorm Psychol 76:250-7, Oct 70
Refractory behaviour at school in normal adolescent males in relation ot psychopathy and early experience. Davies JG, et al.
J Child Psychol Psychiatry 12:35-41, Jun 71
An antisocial behavior pattern associated with a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

specific MMPI profile. Davis KR, et al. J Consult Clin Psychol 36:229-34, Apr 71
Personality and behaviour disorders. Brennan KS. Nurs Times 67:731-3, Jun 71
Household pets in training schools serving delinquent children. Levinson BM. Psychol Rep 28:475-81, Apr 71
Psychiatric implications of health and illness in a Maya Indian group: a preliminary statement. Fabrega H Jr, et al. Soc Sci Med 3:609-26, Apr 70
Iiness: deviant behaviour or conformity. Pflanz M, et al. Soc Sci Med 4:645-53, Dec 70
Anger associated with dysphasia. Fisher CM. Trans Am Neurol Assoc 95:240-2, 1970
Behavior disorders of the adolescent. Student mental health. Pond DA. Trans Med Soc Lond 86:116-21, 1970
[Neurotic personality development and power of containment of neuroses in relation to certain factors of the present social conditions] Motta E. Acta Neurol (Napoli) 25:362-71, May-Jun 70 (Ita)
[Hypnosis and antisocial acts] Gulotta G. Minerva Med 61:4716-27, 20 Oct 70 (Ita)
[Psychopathological dynamics causing participation of adolescents in gangs] Bernardi S, et al. Minerva Pediatr 22:2147-50, 3 Nov 70 (Ita)
[Adjustment disorders in children and adolescents in the light of catamnesis] Szymahska Z, et al. Psychiatr Pol 5:309-16, May-Jun 71 (Pol)
[Characteristics and prevention of socially dangerous activities in hypochondriacs] Pashchenkov SZ. Sud Med Ekspert 13:39-43, Oct-Dec 70 (Rus)

CLASSIFICATION

Classification of the behavior disorders. Phillips L, et al. Annu Rev Psychol 22:447-82, 1971 (275 ref.)

COMPLICATIONS

Behavioral competence and social and emotional behavior in mental retardates. Gardner JM, et al. Am J Ment Defic 75:168-9, Sep 70
School adjustment and behavior of children hospitalized for schizophrenia as adults. Watt NF, et al. Am J Orthopsychiatry 40:637-57, Jul 70
Hysteria and antisocial behavior: further evidence of an association. Guze SB, et al. Am J Psychiatry 127:957-60, Jan 71
Criminal recidivism and psychiatric illness. Guze SB, et al. Am J Psychiatry 127:832-5, Dec 70
Response inhibition and deviant social behaviour in adult mental defectives. Lowe GR, et al. Br J Psychiatry 119:295-8, Sep 71
Alcoholism: antisocial traits in male alcoholics. Schuckit M, et al. Br J Psychiatry 117:575-6, Nov 70
The XYY syndrome in young Greek detainees. Matsaniotis N, et al. Helv Paediatr Acta 25:253-7, Jul 70
Effects of gross environmental change upon behavior of schizophrenics: a cautionary note. Higgs WJ. J Abnorm Psychol 76:421-2, Dec 70

DIAGNOSIS

Techniques for screening conduct disturbed children. Nelson CM. Except Child 37:501-7, Mar 71
Speech difficulties symptomatic of destructive behavior toward self or others. Mehrhof EG, et al. J Nerv Ment Dis 152:63-7, Jan 71

DRUG THERAPY

Methylphenidate and thioridazine: learning, reaction time, activity, and classroom behavior in disturbed children. Sprague RL, et al. Am J Orthopsychiatry 40:615-28, Jul 70
Behavior problems in nursing home patients: treatment with thioridazine. Barksdale B. Curr Ther Res 13:359-63, Jun 71
Haloperidol in 60 criminal psychotics. Darling HF. Dis Nerv Syst 32:31-4, Jan 71
[Effect of propericiazine on behavior disorders of children and adolescents] Duche DJ. Laval Med 41:784-8, Jun 70 (Fre)
[Some results of the use of propericiazine (RP 8909) in the treatment of disorders of conduct and character in children and adolescents] Litinschi G, et al. Neurol Psihiatr Neurochir 15:493-504, Nov-Dec 70 (Rum)

ETIOLOGY

Brain function in problem children and controls: psychometric, neurological, and electroencephalographic comparisons. Wikler A, et al. Am J Psychiatry 127:634-45, Nov 70
Three thyrotoxic criminals. Davis PJ, et al. Ann Intern Med 74:743-5, May 71
Effects of extracorporeal circulation upon behavior, personality, and brain function. II. Hemodynamic, metabolic, and psychometric correlations. Lee WH Jr, et al. Ann Surg 173:1013-23, Jun 71
Abnormal social behavior in phenylketonuric monkeys. Chamove AS, et al. J Abnorm Psychol 76:62-8, Aug 70
The function of ambiguity in child crises. Stein M. J Am Acad Child Psychiatry 9:462-76, Jul 70
Difficulties in adjusting to life. Holman P. Physiotherapy 55:491-8, Dec 69
[Undetected dyslexia, a frequent cause of social and mental school maladjustment] Pissarro B. Rev Neuropsychiatr Infant Suppl:49-57, 1968 (Fre)
[Medico-legal considerations of a psychiatric nature on pathological delinquency in 100 epilepsy patients] Scripcaru G, et al. Minerva Medicoleg 90:1-4, Jan-Jun 70 (Ita)
[Study of a group of boys in special schools for children and adolescents with maladjustment problems] Nordland E. Tidsskr Nor Laegeforen 91:340-5, 20 Feb 71 (Nor)
[Psychiatric medicolegal aspects of investigation of the subjective factor in delinquency] Scripcaru G, et al. Rev Med Chir Soc Med Nat Iasi 75:41-6, Jan-Mar 71 (Rum)

FAMILIAL & GENETIC

Clinical correlates of fourteen- and six-cycles-per-second positive EEG spiking and family pathology. Greenberg IM. J Abnorm Psychol 76:403-12, Dec 70
Genetic aspects of misbehavior. Hartshorn MA. N Engl J Med 283:1056, 5 Nov 70
Genetic aspects of misbehavior. Hook EB. N Engl J Med 283:1056, 5 Nov 70
Height and antisocial behavior in XY and XYY boys. Hook EB, et al. Science 172:284-6, 16 Apr 71
[Cytogenetic research in a group of students of a medico-psycho-pedagogic school] Ricotti MP, et al. Acta Neurol (Napoli) 25:716-22, Nov-Dec 70 (Ita)

PREVENTION & CONTROL

Compensatory environment programming for the severely retarded behaviorally disturbed. Kreger KC. Ment Retard 9:29-33, Aug 71

REHABILITATION

Behavior-milieu therapy with chronic neuropsychiatric patients. Heap RF, et al. J Abnorm Psychol 76:349-54, Dec 70

THERAPY

The psychotherapist as a meaningful parental figure with alienated adolescents. Samorajczyk J. Am J Psychother 25:110-6, Jan 71
Systematic desensitization of social anxiety in the treatment of alcoholism: a psychometric evaluation of change. Kraft T, et al. Br J Psychiatry 117:443-4, Oct 70
Behavior therapy in a military setting. Colman AD. Curr Psychiatr Ther 10:171-8, 1970
Behavior therapy with regressed, aggressive psychiatric patients. Steffy RA. Curr Psychiatr Ther 10:191-202, 1970
Behavioral and academic gains of conduct problem children in different classroom settings. Glavin JP, et al. Except Child 37:441-6, Feb 71
The effects of reward and level of aspiration on students with deviant behavior. Noffsinger T. Except Child 37:355-64, Jan 71
Training children to work productively in classroom groups. Peterson RF, et al. Except Child 37:491-500, Mar 71
Treatment of "adolescent rebellion" by the reconstrual of stimuli. Masters JC. J Consult Clin Psychol 35:213-6, Oct 70
Token economy program in a maximum security correctional hospital. Lawson RB, et al. J Nerv Ment Dis 152:199-205, Mar 71
Programming for special class misfits. Talkington L, et al. Ment Retard 8:27-9, Apr 70
An adolescent inpatient program. Guidelines and ethics. Flasher J. Postgrad Med 49:181-5, Mar 71
Social recovery by isolation-reared monkeys. Harlow HF, et al. Proc Natl Acad Sci USA 63:1534-8, Jul 71
Withdrawal of social reinforcers as a means of controlling rumination and regurgitation in a profoundly retarded person. Smeets PM. Train Sch Bull (Vinel) 67:158-63, Nov 70
[Difficulties during therapy of an adolescent related to a bad mother-son relation] Coulombe R, et al. Laval Med 41:548-50, Apr 70 (Fre)

SOCIAL CHANGE (I, N1)

see also related
GROUP PROCESSES (F1)

Media and the management of change. Topaz M. Am J Optom 48:355-6, Apr 71
Who should be studied? Herzog E. Am J Orthopsychiatry 41:4-12, Jan 71
Can we learn to govern? Establishing schools of choice. Nash S. Am J Orthopsychiatry 40:606-14, Jul 70
The psychiatrist's role in dealing with social turmoil. Duhl LJ. Am J Psychiatry 127:225-7, Aug 70
China and America: the burden of the past. Stoessinger JG. Am J Psychother 24:579-96, Oct 70
Selected social indicators in the health field. Austin CJ. Am J Public Health 61:1507-13, Aug 71
Education for health in a changing society. Holder L. Am J Public Health 60:2307-13, Dec 70
Abortion law reform and repeal: legislative and judicial developments. Roemer R. Am J Public Health 61:500-9, Mar 71
History and psychiatry's present state of transition. Musto DF. Arch Gen Psychiatry 23:385-92, Nov 70
The academic department of medicine and social change. Wyngaarden JB. Arch Intern Med 127:80-4, Jan 71
Prometheus and Pandora: 1971. Glass B. Bull NY Acad Med 47:1045-58, Sep 71
Mental health of native peoples of the Arctic. Boag TJ. Can Psychiatr Assoc J 15:115-20, Apr 70
The effects on orthopaedic education of the changing socio-economic trends. Clawson DK. Clin Orthop 75:102-7, Mar-Apr 71
Psychosocial medicine and the contemporary scene. Schwab JJ. Compr Psychiatry 12:19-26, Jan 71
Women--the impact of advances in fertility control on their furture. A presidential address. Jones GS. Fertil Steril 22:347-50, Jun 71
The changing urban scene. Zborowski M. Hospitals 44:33-6, 1 Dec 70
The challenge to the group psychotherapist created by a society in flux. Hallowitz E. Int J Group Psychother 20:423-34, Oct 70
Changes in the youth culture--the doctor's role. Lecker S. Int Surg 56:204-7, Sep 71
Changing society and mental health in eastern Africa. Assael M, et al. Isr Ann Psychiatry 8:52-74, Apr 70
"Youth unrest": reflections of a psychoanalyst. Friend MR. J Am Acad Child Psychiatry 9:224-32, Apr 70
Adolescence and social change. Settlage CF. J Am Acad Child Psychiatry 9:203-15, Apr 70
The challenge to the individual. Nelsen RJ. J Am Coll Dent 38:26-32, Jan 71
A comparison of the characteristics of junior high shcool students. Greenfeld N, et al. J Genet Psychol 117:37-50, Sep 70
Infectious diseases and social change. Kass EH. J Infect Dis 123:110-4, Jan 71
The academic health center and health care delivery. 3. The changing scene. Dove DB. J Med Educ 45:974-81, Dec 70
Influence of changing technology upon the worker and his environment. The viewpoint of government. Nesvig GT. J Occup Med 13:179-82, Apr 71
Changes in sexual identification and role over a decade and their implications. Brown F. J Psychol 77:229-51, Mar 71
Is change the price of progress? Quilliam TA. Med Biol Illus 21:98-9, Apr 71
Infectious disease and social change. 2. Fenner F. Med J Aust 1:1099-102, 22 May 71
Infectious disease and social change. I. Fenner F. Med J Aust 1:1043-7, 15 May 71
Adjustment to change. Saint EG. Med J Aust 2:971-5, 21 Nov 70
Social change and the coronership. Pilling HH. Med Sci Law 10:238-43, Oct 70
Mental hospitals and the winds of change. Bartz WR, et al. Ment Hyg 55:266-9, Apr 71
The anatomy of change. Johnson WH Jr. Minerva Pediatr 67:707-11, Oct 70
Goals for quality must be based on values derived from changing society. Elliott FN. Mod Hosp 117:107-10, Aug 71
The anatomy of change. Johnson WH Jr. NC Med J 32:141-6, Apr 71
Nursing's need: commitment to an ideology of change. Reinkemeyer AM. Nurs Forum 9:340-55, 1970
Community nursing in a changing climate. Robischon P. Nurs Outlook 19:411-3, Jun 71
About nurses innovating change. Ruano BJ. Nurs Outlook 19:416-8, Jun 71
Justification for a trial-and-error theory of nursing. Minckley BB. Nurs Res 19:526-9, Nov-Dec 70
"The good old days" or were they? Hilienbrand H. NY State Dent J 37:425-7, Aug-Sep 71
The change to a technological society. Stapleton T. Pediatrics 47:Suppl 2:314-9, Jan 71
Internship, residency, and the coming demand for change. Mullan F. Perspect Biol Med 13:502-6, Summer 70
Psychotherapy, social pathology, and social change. Clark KB. Proc Am Psychopathol Assoc 59:203-11, 1970
The new neo-Freudians: psychoanalytic dimensions of social change. Bergen BJ, et al. Psychiatry 34:19-37, Feb 71
The student revolt: totem and taboo revisited. Levitt M, et al. Psychiatry 34:156-67, May 71
Our permissive society and the superego. Some current thoughts about Freud's cultural concepts. (Freud S), Lowenfeld H, et al. Psychoanal Q 39:590-608, 1970
Kicks, drugs, and politics. Adler N. Psychoanal Rev 57:432-41, 1970
Abortion and public opinion: the 1960-1970 decade. Blake J. Science 171:540-9, 12 Feb 71
Stanford School of Medicine. I. Problems over more than money. Walsh J. Science 171:551-3, 12 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Marital stability as a social indicator. Glick PC. Soc Biol 16:158-66, Sep 69
Disease and "development" in Africa. Hughes CC, et al. Soc Sci Med 3:443-93, Apr 70
Industrialization and mental health in Japan. Yokoyama ST. Soc Sci Med 3:689-91, Apr 70
The significance of change in occupational health. Murray R. Trans Soc Occup Med 21:24-6, Jan 71
Reactions to change: understanding and control. Tredgold RF. Trans Soc Occup Med 21:27-32, Jan 71
[Avatars of the feeling of freedom] Abély P. Ann Med Psychol (Paris) 2:191-9, Jul 70 (Fre)
[Identification, cultural models and change] Mertens de Wilmars C. Evol Psychiatr (Paris) 36:129-77, Jan-Mar 71 (Fre)
[Group formations at the university and its relation to treatment problems in students] Sperling E. Z Psychosom Med Psychoanal 15:251-60, Oct-Dec 69 (Ger)
[Our restless youth. I. Talking to each other] Hartlmaier KM. Zahnaerztl Mitt 61:97-100, 1 Feb 71 (Ger)

HISTORY

Interrelated transformations of Rousseau's life and of western culture of his time. (Rousseau JJ), Haydu GG. Am J Psychoanal 30:161-8, 1970
Postadolescence (youth) and historical change. Keniston K. Proc Am Psychopathol Assoc 59:34-56, 1970

SOCIAL CLASS (I, N1)

Social class and sex differences in admission patterns of the mentally retarded. Singer BD, et al. Am J Ment Defic 75:160-2, Sep 70
Genital herpes in two social groups. Rawls WE, et al. Am J Obstet Gynecol 110:682-9, 1 Jul 71
Longitudinal course of measured intelligence in preschool children of different social and ethnic backgrounds. Hertzig ME, et al. Am J Orthopsychiatry 41:416-28, Apr 71
The effects of impulsivity on the performance of lower-class children on four WISC subtests. Schwebel AI, et al. Am J Orthopsychiatry 40:629-36, Jul 70
Social status and child psychiatric practice: the influence of the clinician's socioeconomic origin. Harrison SI, et al. Am J Psychiatry 127:652-8, Nov 70
The Edinburgh homeless: a psychiatric survey. Priest RG. Am J Psychother 25:194-213, Apr 71
The sane slave. An historical note on the use of medical diagnosis as justificatory rhetoric. Szasz TS. Am J Psychother 25:228-39, Apr 71
Race, social status, and criminal arrest. Green E. Am Sociol Rev 35:476-90, Jun 70
Prognosis in schizophrenia: the role of premorbid, social class, and demographic factors. Nuttall RL, et al. Behav Sci 15:255-64, May 70
Social and ethnic differences in understanding the spoken word. Wooster AD. Br J Disord Commun 5:118-25, Oct 70
Studies in the childhood psychoses. 3. The family and social background in childhood psychoses. Kolvin I, et al. Br J Psychiatry 118:396-402, Apr 71
Migraine: intelligence, social class, and familial prevalence. Waters WE. Br Med J 2:77-81, 10 Apr 71
The influence of social class and family size on adult psychiatric outpatients. Petroni FA, et al. Bull Menninger Clin 34:148-60, May 70
Problmens of measuring social class in a public health agency. Williams JI. Can J Public Health 62:42-5, Jan-Feb 71
The generality of color-form preference as a function of materials and task requirements among lower-class Negro children. Olmsted PP, et al. Child Dev 41:1025-32, Dec 70
Infant deveolpment, preschool IQ, and social class. Willerman L, et al. Child Dev 41:69-77, Mar 70
Ethnic and social status characteristics of children in EMR and LD classes. Franks DJ. Except Child 37:537-8, Mar 71
Social class and the senior citizen center. Tissue T. Gerontologist 11:196-200, Autumn 71
Blood groups and other genetical characters in Mahars--a socially low caste from Maharashtra. Parikh NP, et al. Indian J Med Res 57:1467-74, Aug 69
Relationship of familial and social factors to socialization in middle-class college students. Megargee EI, et al. J Abnorm Psychol 77:76-89, Feb 71
Certain cultural and familial factors contributing to adolescent alienation. Noshpitz JD. J Am Acad Child Psychiatry 9:216-23, Apr 70
A conceptualization of social stratification in optometry. Haffner AN. J Am Optom Assoc 42:151-7, Feb 71
Social class and marriage patterns in some Oxfordshire populations. Harrison GA, et al. J Biosoc Sci 3:1-12, Jan 71
Factors influencing administrative disposition of psychiatric patients. Smith RC, et al. J Clin Psychol 27:54-9, Jan 71
Attitudes toward the lower- and middle-class psychiatric patient as a function of authoritarianism among mental health students. Kurtz N, et al. J Consult Clin Psychol 35:338-41, Dec 70
Factors in school achievement and social class. Miller GW. J Educ Psychol 61:260-9, Aug 70
Changes proposed in the social classification of Indian families. Prasad BG. J Indian Med Assoc 55:198-9, 16 Sep 70
The effects of modeling and social class structuring in paraprofessional psychotherapist training. Goldstein AP, et al. J Nerv Ment Dis 153:47-56, Jul 71
Social class trends in the practices and attitudes of college students regarding sex, smoking, drinking, and the use of drugs. Althoff SA, et al. J Sch Health 41:390-4, Sep 71
Caste prejudice and its perception by Harijans. Anant SS. J Soc Psychol 82:165-72, Dec 70
Signature size: a key to status awareness. Zweigenhaft RL. J Soc Psychol 81:49-54, Jun 70
Social class and code elaboration in oral communication. Poole ME, et al. J Speech Hear Res 14:421-7, Jun 71
Psychological correlates of speech characteristics: on sounding "disadvantaged". Williams F. J Speech Hear Res 13:472-88, Sep 70
Lexical choice and social class. Osser H, et al. Lang Speech 13:254-61, Oct-Dec 70
Negro children's speech: some social class differences in word predictability. Williams F, et al. Lang Speech 13:141-50, Jul-Sep 70
Determinants of medical care utilization: the effect of social class and distance on ontacts with the medical care system. Weiss JE, et al. Med Care 8:456-62, Nov-Dec 70
Doctor in the community. Southwood AR. Med J Aust 1:406, 13 Feb 71
Birth control survey in a lower social group in Melbourne. Wood C, et al. Med J Aust 1:691-6, 27 Mar 71
Poor actors. Harshbarger D. Ment Hyg 52:521-3, Oct 68
Porgnoses made by special educators. McLaughlin JA, et al. Ment Retard 8:20-3, Oct 70
Infant feeding patterns and social class. Black AE. Proc Nutr Soc 30:30A-32A, May 71
Child work and social class. Engel M, et al. Psychiatry 34:140-55, May 71
Psychosocial correlates of serum urate levels. Mueller EF, et al. Psychol Bull 73:238-57, Apr 70
Social class, reported parental behavior and delinquency status. Larson JD, et al. Psychol Rep 28:323-7, Feb 71
Status integration and suicide. Lester D. Psychol Rep 26:492, Apr 70
Discrimination learning, social class, and type of reward. Norton JC, et al. Psychol Rep 27:803-5, Dec 70
Mental illness in lower class normal, obese and hyperobese women. Holland J, et al. Psychosom Med 32:351-7, Jul-Aug 70
The effects of age, education and occupational on psychiatric dispositions. Daly RW, et al. Soc Sci Med 4:619-28, Dec 70
A brief description of a study on the utilisation of maternity and child welfare services by a lower working class subculture. McKinlay JB. Soc Sci Med 4:551-6, Dec 70
Class characteristics of supporters and rejectors of basic health measures. Shaw CT. Soc Sci Med 4:411-5, Nov 70
Social class and self-derogation: a conditional relationship. Kaplan HB. Sociometry 34:41-64, Mar 71 (24 ref.)
Status inconsistency and self-evaluation. Segal DR, et al. Sociometry 33:347-57, Sep 70
Social status, ethnic status, and urban mortality: an ecological analysis. Roberts RE, et al. Tex Rep Biol Med 28:13-28, Spring 70
[Social class, family dimension and intellectual attitude. Research on 5 to 6-year-old children] Nuttin J. Annee Psychol 70:467-85, 1970 (Fre)
[Extended participation in decision making. Possibilities and dangers of a new class consciousness in workers] Staeuble I. Stud Gen (Berl) 23:1206-27, 23 Dec 70 (Ger)
[Group differences of human growth from the aspect of time and place] Jürgens HW. Z Morphol Anthropol 63:63-75, Jul 71 (Ger)
[Different characteristics of adolescent students coming from different social classes] Borsari Arguello P. Minerva Pediatr 22:2164-6, 3 Nov 70 (Ita)
[Considerations on self perception and perception of others in adolescent students and apprentices coming from families of workers] Carugati F. Minerva Pediatr 22:2167-70, 3 Nov 70 (Ita)
[On the motivational patterns and temporal prospects of adolescent students and apprentices from workers' families] Ricci Bitti PE. Minerva Pediatr 22:2268-70, 17 Nov 70 (Ita)
[Social background for alcoholics in the Blue Cross Clinic, Oslo 1969. Extract from a study undertaken in connection with the chief work of the Norwegian Communal and Social School] Eriksen BO, et al. Tidsskr Nor Laegeforen 91:190-3, 30 Jan 71 (Nor)
[Marriage and fertility in various social groups] Chernetskif OE, et al. Sov Zdravookhr 30:19-22, 1971 (Rus)

SOCIAL CONDITIONS (I, N1)

The crisis and challenge of human services in the new decade. Nixon RA. Am J Occup Ther 25:187-92, May-Jun 71
Observations on suicidal behavior among American Indians. Resnik HL, et al. Am J Psychiatry 127:882-7, Jan 71
The Mexican American syndrome. Aranda RG. Am J Public Health 61:104-9, Jan 71
Social reform and the comprehensive community mental health center: the model cities experiment. Whitaker L. Am J Public Health 60:2003-10, Oct 70
Anomie in the ghetto: a study of neighborhood type, race, and anomie. Wilson RA. Am J Sociol 77:66-88, Jul 71
Protean man. Lifton RJ. Arch Gen Psychiatry 24:298-304, Apr 71
Medical care and the black community. Holloman JL Jr. Arch Intern Med 127:51-6, Jan 71
Symposium on social issues and medicine. Introductory remarks. Skyler JS. Arch Intern Med 127:49-50, Jan 71
Symposium on social issues and medicine. Concluding remarks. Skyler JS. Arch Intern Med 127:110, Jan 71
A psychiatrist looks at student rebellion. Blaine GB Jr. Del Med J 42:268-71 passim, Oct 70
Physical illness in 'social emergencies'. Morton EV, et al. Gerontol Clin (Basel) 13:145-52, 1971
Psychiatric, psychological and social findings in a pilot community health survey. Player DA, et al. Health Bull (Edinb) 29:104-7, Apr 71
Pressures for change. The social pressures. Vise P de. Hospitals 45:51-5, 1 Feb 71
A case study of the Charles Manson group marriage commune. (Manson C), Smith DE, et al. J Am Soc Psychosom Dent Med 17:99-106, 1970
Some social characteristics of women seeking abortion. Aitken-Swan J. J Biosoc Sci 3:96-100, Jan 71
The speed scene. Frykman JH. J Indiana State Med Assoc 64:404-6, May 71
Caveats and cheer for student companions. Bean WB. J Iowa Med Soc 61:67-71, Feb 71
The healing professions in a period of revolutionary change. Thomas RC. J Natl Med Assoc 62:350-2, Sep 70
Psychosocial factors and myocardial infarction. II. An outpatient study in Sweden. Rahe RH, et al. J Psychosom Res 15:33-9, Mar 71
Psychosocial factors and myocardial infarction. I. An inpatient study in Sweden. Theorell T, et al. J Psychosom Res 15:25-31, Mar 71
Rehabilitation's involvement in preventive efforts. Mizerak J. J Rehabil 37:40-1, Jan-Feb 71
Improving the quality of life. I. Abrams I, et al. J Sch Health 41:296-303, Jun 71
Youth in conflict: an explanation based on developmental approach. Shamsie SJ. Laval Med 41:544-7, Apr 70
Memorandum on some aspects of the welfare of infants and children aged under three years whose mothers are in full-time employment. Reiss-Levy E. Med J Aust 1:984-5, 1 May 71
Can women's liberation movement help hospitals? Barton CC. Med Hosp 116:65, May 71
Communal existence for physicians. Copans SA. N Engl J Med 285:895, 16 Sep 71
Are students revolting? Nurs Times 67:161, 11 Feb 71
Human relations in our changing society. Byrne JJ. Occup Health Nurs (NY) 19:7-9, Apr 71
Television and our society today. Himmelweit HT. Proc R Soc Med 64:369-72, Apr 71
Coal workers' pneumoconiosis in an affluent society. Kerr LE. Public Health Rep 86:847-52, Oct 70
Economic progress in people of Appalachia. Polan CM, et al. South Med J 63:1467-8, Dec 70
Before you swing to the left, young man. Jones GW. Va Med Mon 98:400-2, Jul 71
The voice of the colossus. McKenna TJ. Va Med Mon 98:125-7, Mar 71
Society, stress, and disease. WHO Chron 25:168-78, Apr 71
[Evolution of body weight as influenced by social conditions and life style of the children in the 1st 3 years of life] Bouchalová M, et al. Cesk Pediatr 26:7-9, Jan 71 (Cze)
[Role of social relations in the development of morbidity and mortality] Drbal C. Cesk Zdrav 19:106-15, Mar 71 (Cze)
[Social conditions of old people in the urban population] Zaremba V. Cesk Zdrav 19:325-34, 1971 (Cze)
[Social conditions and psychiatry] Lind G. Ugre Laeger 18:1114, 1971 (Dan)
[A sociologic approach to abortion] Texier G. Gynecol Prat 20:363-73, 1969 (Fre)
[Social aspects of late pregnancy toxemias] Lamm D, et al. Dtsch Gesundheitsw 25:601-6, 31 Mar 70 (Ger)
[The physician of the public health service in a pluralistic society] Schipperges H. Oeff Gesundheitswes 33:1-18, Jan 71 (Ger)
[Generation gap in America] Hebblethwaite P. Praxis 60:511-7, 20 Apr 71 (Ger)
[Some problems of hygiene in the living conditions at the present stage] Grosser PJ, et al. Z Aerztl Fortbild (Jena) 64:426-8, 1 May 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Social hygienic observations on current problems of juvenile criminality in the German Democratic Republic after the introduction of new penal legislation] Heinroth H.
Z Gesamte Hyg 16:620-6, Aug 70 (Ger)
[Prosperity matrimonial crises] Hedri A.
Z Psychother Med Psychol 21:35-8, Jan 71 (Ger)
[The hospital in the modern society] Litmanovitch J.
Harefuah 78:304-6, 15 Mar 70 (Heb)
[Changes in society and science and their influence on the image, organization and administration of the modern hospital] Man KY.
Harefuah 78:271-4, 15 Mar 70 (Heb)
[The individual and his familial and social environment] De Stavola W.
Minerva Med 61:6002-10, 26 Dec 70 (Ita)
[Different characteristics of adolescent students coming from different social classes] Borsari Arguello P. Minerva Pediatr 22:2164-6, 3 Nov 70 (Ita)
[Effect of treatment and social conditions on the prognosis in cerebral palsy] Buksowicz C.
Neurol Neurochir Pol 4:675-80, Nov-Dec 70 (Pol)
[Social organization of Warao] Suárez MM.
Acta Cient Venez 21:135-8, 1970 (Spa)
[The generation] Gorbovsky A.
ADM 27:185-90, Mar-Apr 70 (Spa)
[Angry youth] Hicter M.
ADM 27:161-83, Mar-Apr 70 (Spa)
[The youth of the world in argument with society] Maheu R. ADM 27:65-82, Jan-Feb 70 (Spa)
[Quartiles of proportional mortality. New indications of health with relation to the socio-economic conditions] Enderica Vélez R.
Rev Ecuat Hig Med Trop 26:199-217, Sep-Dec 69 (Spa)
[Man--world--disease] Collazo CR.
Rev Sanid Milit Argent 68:185-92, Dec 69 (Spa)
[Sociocultural environment in the Mexican border strip] Daniel Martínez P.
Salud Publica Mex 12:831-9, Nov-Dec 70 (Spa)
[Sociocultural study of group blind from onchocercosis] Zepeda Aguilar R.
Salud Publica Mex 12:789-99, Nov-Dec 70 (Spa)
[Generation conflict--epilogue] Kipfer H.
Praxis 60:520, 20 Apr 71 (Mul)

HISTORY

Some genetic aspects of plantation slavery. Weyl N.
Perspect Biol Med 13:618-25, Summer 70
[Demands of physicians in 1935] Desjardins E.
Union Med Can 99:2077-81, Nov 70 (Fre)
[Thoughts on the history of the origin of the hippie based on an analysis of the Struwwelpeter] Schneemann N.
Z Psychother Med Psychol 20:213-23, Nov 70 (Ger)

SOCIAL CONFORMITY (F1)

see also related
SOCIAL CONTROL, INFORMAL (I)

Scoring high on an index of social maturity. Gough HG.
J Abnorm Psychol 77:236-41, Jun 71
A case study of the Charles Manson group marriage commune. (Manson C), Smith DE, et al.
J Am Soc Psychosom Dent Med 17:99-106, 1970
Community homogeneity and exclusion of the mentally ill: rejection versus consensus about deviance. Linsky AS. J Health Soc Behav 11:304-11, Dec 70
Social and cultural components in the motivations of persons seeking plastic surgery of the nose. Macgregor FC. J Health Soc Behav 8:125-35, Jun 67
Compliance, consistent conformity, and personality. Klein MH. J Pers Soc Psychol 5:239-45, Feb 67
Conforming behavior of black and white children. Schneider FW. J Pers Soc Psychol 16:466-71, Nov 70
Conformity, anticonformity, and independence: their dimensionality and generality. Stricker LJ, et al.
J Pers Soc Psychol 16:494-507, Nov 70
A graduate student looks at the drug problem. Shibuya RR. J Sch Health 40:435-7, Oct 70
Conformity behavior in schizophrenics. Cull J.
J Soc Psychol 84:45-9, Jun 71
Personality and selectivity factors as predictors of social conformity among college girls. Hardy KR, et al.
J Soc Psychol 83:147-8, Feb 71
Conformity and repression-sensitization. Khol TA, et al. J Soc Psychol 84:251-6, Aug 71
Ethical risk sensitivity of adolescents in legal difficulty: first contact and repeat contact groups. Krauss HH, et al. J Soc Psychol 83:213-7, Apr 71
Status, conformity, and resistance to compliance in natural groups. Montgomery RL.
J Soc Psychol 84:197-206, Aug 71
Youth in conflict: an explanation based on developmental approach. Shamsie SJ.
Laval Med 41:544-7, Apr 70
Comparison of selected perceptual and personality variables among college women deviant and non-deviant in their appearance. White BO, et al.
Percept Mot Skills 33:87-92, Feb 71
Physiological and situational factors in psychopharmacological experiments. Back KW, et al.
Psychophysiology 6:749-60, May 70
Influence of peers and parents and sex differences in drinking by high-school students. Forslund MA, et al.
Q J Stud Alcohol 31:868-75, Dec 70
Academic dress. S Afr Med J 44:801, 11 Jul 70
Male bias of NIH. Moog F. Science 171:236, 22 Jan 71
Illness: deviant behaviour or conformity. Pflanz M, et al.
Soc Sci Med 4:645-53, Dec 70
Ordinal position and conformity: a role theory analysis. Bragg BW, et al. Sociometry 33:371-81, Dec 70
Relationships between source status, authoritarianism, and conformity in a social influence setting. Moore JC Jr, et al. Sociometry 34:122-34, Mar 71
[Influence of the image of others on the activity of members of an experimental group] Codol JP.
Annee Psychol 70:131-50, 1970 (Fre)
[Importance of a main dimension in collective judgments] Doise W.
Annee Psychol 70:151-9, 1970 (Fre)
[Biology and psychology of social criticism] Kneutgen J. Bibl Psychiatr 147:138-54, 1971 (Ger)
[Social conflicts in today's and tomorrow's society] Attesiander P. Ther Umsch 28:353-8, Jun 71 (Ger)
[The situation between the individual and society] Bodenheimer AR.
Z Psychosom Med Psychoanal 16:374-85, Oct-Dec 70 (Ger)
[The generation] Gorbovsky A.
ADM 27:185-90, Mar-Apr 70 (Spa)
[Angry youth] Hicter M.
ADM 27:161-83, Mar-Apr 70 (Spa)
[The youth of the world in argument with society] Maheu R. ADM 27:65-82, Jan-Feb 70 (Spa)

HISTORY

[Thoughts on the history of the origin of the hippie based on an analysis of the Struwwelpeter] Schneemann N.
Z Psychother Med Psychol 20:213-23, Nov 70 (Ger)

SOCIAL CONTROL, FORMAL (I, N3)

Psychiatric commitment of dissenters in Russia: a myth? Bengelsdorf H.
Am J Psychiatry 127:1575-6, May 71
Training police in community relations and urban problems. Talbott JA, et al.
Am J Psychiatry 127:894-900, Jan 71
Weber on legitimate norms and authority. (Weber M), Spencer ME. Br J Sociol 21:123-34, Jun 70
Social policy and guild policy in health manpower. Levin T. Bull NY Acad Med 46:1112-9, Dec 70
Farewell to the truant officer. Couchman R.
Can J Public Health 61:544-7, Nov-Dec 70
The goal of protection. Halleck S.
Int J Psychiatry 9:552-7, 1970-71
The challenge to the profession. Hilienbrand H.
J Am Coll Dent 38:21-5, Jan 71
The challenge to society. Kerr IL.
J Am Coll Dent 38:46-50, Jan 71
Challenges to dental research. Rovelstad GH.
J Am Coll Dent 38:33-9, Jan 71
The General Medical Council: a new look.
Lancet 2:1233-4, 12 Dec 70
The professions under examination.
Lancet 2:970-1, 7 Nov 70
Whither the society? Barwick G.
Med J Aust 2:863-6, 7 Nov 70
Privacy and the patients' right to information. Berkley C. Med Res Eng 10:3 passim, Jan-Feb 71
Training police sergeants in early warning signs of emotional upset. Sokol RJ, et al.
Ment Hyg 55:303-7, Jul 71
The police: ally or enemy of the comprehensive community mental health center? Whittington HG.
Ment Hyg 55:55-9, Jan 71
Annxal discourse--the physician in a changing social structure. Chapman EM.
N Engl J Med 284:1242-7, 3 Jun 71
Social values and research in human embryology. Edwards RG, et al. Nature (Lond) 231:87-91, 14 May 71
Rules and regulations for test-tube babies.
Nature (Lond) 231:89-70, 14 May 71
Ombudswhat? Nurs Times 67:463, 22 Apr 71
[Future structure of the medical society, with special consideration of the conditions in the county] Hohwy E. Ugyre Laeger 25:2370-2, 1970 (Dan)
[Dangers and apathy] Rossel.
Schweiz Monatsschr Zahnheilkd 78:73-4, Jan 68 (Fre)
[Measures executable in Austria against injudicious infectious tuberculosis patients] Junker E.
Wien Med Wochenschr 120:995-6, 19 Dec 70 (Ger)
[The liability of the committe of responsible. The committe of responsible has not increased their judgement] Björkman A, et al.
Lakartidningen 68:2681-2, 2 Jun 71 (Swe)

HISTORY

Socrates' defence of civil obedience. (Socrates), Berlman MA. Stud Gen (Berl) 24:576-82, 1971

MANPOWER

Emotional hazards of plolice work. Symonds M.
Am J Psychoanal 30:155-60, 1970

SOCIAL CONTROL, INFORMAL (I)

Standard operating procedures and institutionalization on the psychiatric unit. Stern R.
Am J Orthopsychiatry 40:744-50, Oct 70
The psychiatrist and the problem of social control. Shapiro DL. Am J Psychiatry 127:1098-9, Feb 71
Disability and deviance: normative adaptations of role behavior. Haber LD, et al.
Am Sociol Rev 36:87-97, Feb 71
Patient government on a closed ward. Kaplan DM.
Hosp Community Psychiatry 22:192-3, Jun 71
Causality-interpretation and the precipitation of distress. Stolorow RD. J Pers Assess 35:122-7, Apr 71
Internal-external control and competent and innovative behavior among Negro college students. Lao RC. J Pers Soc Psychol 14:263-70, Mar 70
The psychology of social control. Lowe CM.
Ment Hyg 55:124-9, Jan 71
Suicidal behavior and external constraints. Lester D.
Psychol Rep 27:777-8, Dec 70
Perception of choice and locus of control. Lewis P, et al.
Psychol Rep 28:67-70, Feb 71
Internal-external locus of control: a bibliography. Throop WF, et al. Psychol Rep 28:175-90, Feb 71

SOCIAL DESIRABILITY (F1)

Black studies, Black identity formation and some implications for community psychiatry. Lightfoot OB, et al. Am J Orthopsychiatry 40:751-5, Oct 70
Are the ranks closed? Attitudinal social distance and mental illness. Crocetti G, et al.
Am J Psychiatry 127:1121-7, Mar 71
Comment on Gove's evaluation of societal reaction theory as an explanation for mental illness. Dunham HW. Am Sociol Rev 36:313-4, Apr 71
Response biases in field studies of mental illness. Phillips DL, et al. Am Sociol Rev 35:503-15, Jun 70
When is Black beautiful? Coloured and white children's reactions to skin colour. Richardson SA, et al.
Br J Educ Psychol 41:62-9, Feb 71
The Eysenck Personality Inventory and Social Desirability Response Set with student and clinical groups. Rump EE, et al.
Br J Soc Clin Psychol 10:42-54, Feb 71
Improving social acceptance of low sociometric status, low achieving students. Lilly MS.
Except Child 37:341-7, Jan 71
The relationship between controlled projection responses and sociometric status. Durojaiye MO.
J Child Psychol Psychiatry 11:143-8, Nov 70
Mental illness and peer group popularity. Stillman S.
J Clin Psychol 27:202-3, Apr 71
Locus of control and social desirability. Cone JD.
J Consult Clin Psychol 36:449, Jun 71
Experimenter approval, social desirability, and statements of self-reference. Dixon TR.
J Consult Clin Psychol 35:400-5, Dec 70
Anxiety, structure, or social desirability? Edwards AL, et al. J Consult Clin Psychol 34:236-8, Apr 70
Social desirability, expectancy, and success-failure-oriented behavior in children. Kopfstein JH. J Consult Clin Psychol 35:428, Dec 70
Reciprocal need gratification in intersexual attraction: a test of the hypotheses of Schutz and Winch. Centers R, et al. J Pers 39:26-43, Mar 71
Individual differences in verbal conditioning, extinction, and awareness. Strickland BR.
J Pers 38:364-78, Sep 70
To err is humanizing--sometimes: effects of self-esteem, competence, and a pratfall on interpersonal attraction. Helmreich R, et al.
J Pers Soc Psychol 16:259-64, Oct 70
Race versus belief similarity as determinants of attraction: a search for a fair test. Hendrick C, et al.
J Pers Soc Psychol 17:250-8, Mar 71
Self-esteem and attraction. Jacobs L, et al.
J Pers Soc Psychol 17:84-91, Jan 71
Affective and emotional responses as a function of other person's gaze and cooperativeness in a two-person game. Kleinke CL, et al.
J Pers Soc Psychol 17:308-13, Mar 71
Personality-trait descriptions of differentially liked persons. Reed T, et al.
J Pers Soc Psychol 16:284-90, Oct 70
Effects of physical attractiveness, attitude similarity, and sex on various aspects of interpersonal attraction. Stroebe W, et al. J Pers Soc Psychol 18:79-91, Apr 71
Vigilance and the perceptions of teachers and students. Soucar E. Percept Mot Skills 32:83-6, Feb 71
Social desirability, marital satisfaction, and concomitant perceptions of self and spouse. Cone JD.
Psychol Rep 28:173-4, Feb 71
Responses to intact and intermixed personality inventories. Greenwald HJ, et al.
Psychol Rep 27:365-6, Oct 70
Social desirability as a variable in the locus of control scale. Hjelle LA. Psychol Rep 28:807-16, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sexual differences in physical attractiveness as a determinant of heterosexual liking. Miller HL, et al. Psychol Rep 27:701-2, Dec 70
Influence of social desirability upon the group personality projective test. Ogston D, et al. Psychol Rep 28:677-8, Apr 71
Student acceptance of bogus personality interpretations differing in level of social desirability. Weisberg P. Psychol Rep 27:743-6, Dec 70
Social desirability of the Runner studies of attitude patterns. Westler L, et al. Psychol Rep 28:930, Jun 71
The social rejection of the alcoholic and the mentally ill in New Zealand. Blizard PJ. Soc Sci Med 4:513-26, Dec 70
Reputation and self-evaluation as determinants of attractiveness. Jones SC, et al. Sociometry 33:276-86, Sep 70
The relationship of interests to social acceptance of educable mentally retarded boys in a school camping program. Kingsley RF, et al. Train Sch Bull (Vinel) 66:93-9, Nov 69

HISTORY

Stigma and the leprosy phenomenon: the social history of a disease in the nineteenth and twentieth centuries. Gussow Z, et al. Bull Hist Med 44:425-49, Sep-Oct 70

SOCIAL DISORGANIZATION see ANOMIE (F1, I)

SOCIAL DISTANCE (F1)

Verbal communication length as an index of interpersonal attraction. Höweler M, et al. Acta Psychol (Amst) 34:511-5, Dec 70
Changes in personal-social distance of teachers of Indian children. Galloway CG, et al. Am J Orthopsychiatry 40:681-3, Jul 70
Are the ranks closed? Attitudinal social distance and mental illness. Crocetti G, et al. Am J Psychiatry 127:1121-7, Mar 71
Measurement of conflicting communications in social networks. Yeomans NT, et al. Br J Soc Clin Psychol 9:275-81, Sep 70
Self-disclosure with recidivists: optimum interviewer-interviewee matching. Persons RW, et al. J Abnorm Psychol 76:387-91, Dec 70
Social and spatial density effects on spacing behaviour in preschool children. McGrew PL. J Child Psychol Psychiatry 11:197-205, Dec 70
Effects of the therapeutic conditions of accurate empathy, non-possessive warmth, and genuineness on hospitalized mental patients during group therapy. Truax CB, et al. J Clin Psychol 27:137-42, Jan 71
Self-disclosure in self-descriptive essays. Burhenne D, et al. J Consult Clin Psychol 35:409-13, Dec 70
Fallacy of schizophrenic deficit in the interpersonal sphere. Tolor A. J Consult Clin Psychol 35:278-82, Oct 70
Large scale normal adult base-rates for MMPI "privacy" items. I. Sexual attitudes and experiences. Gravitz MA. J Gen Psychol 82:153-6, Apr 70
Experimenter-subject "distance" and self-disclosure. Jourard SM, et al. J Pers Soc Psychol 15:278-82, Jul 70
Psychological distance, future time perspective, and internal-external expectancy. Tolor A, et al. J Proj Tech Pers Assess 34:283-94, Aug 70
A scale to measure the social distance between college students and faculty. Fiebert MS. J Psychol 77:3-7, Jan 71
Alienation: another dimension of underachievement. Propper MM, et al. J Psychol 75:13-8, May 70
Fear and affiliation during a disaster. Strümpfer DJ. J Soc Psychol 82:263-8, Dec 70
What is signalled by proximity? Porter E, et al. Percept Mot Skills 30:39-42, Feb 70
Social interaction and intimacy in preschizophrenic adolescence. Kreisman D. Proc Am Psychopathol Assoc 59:299-318, 1970
Psychological distance as a function of length of hospitalization. Tolor A, et al. Psychol Rep 25:851-5, Dec 69
Interpersonal spacing in natural settings. Baxter JC. Sociometry 33:444-56, Dec 70

SOCIAL DOMINANCE (F1)

A family study of child abuse. Terr LC. Am J Psychiatry 127:665-71, Nov 70
Sleep and other behaviours of the red kangaroo (Megaleia rufa). Cicala GA, et al. Anim Behav 18:787-90, Nov 70
Rank order in a captive female squirrel monkey colony. Castell R, et al. Folia Primatol (Basel) 14:182-9, 1971
Hierarchies in nursing. Gillam R. Int Nurs Rev 17:307-19, 1970
Social influence and counterinfluence within families of four types of disturbed adolescents. Alkire AA, et al. J Abnorm Psychol 77:32-41, Feb 71
Discriminability of facial regions used by the domestic chicken in maintaining the social dominance order. Candland DK. J Comp Physiol Psychol 69:281-5, Oct 69
Ingratiation and the use of power. Kipnis D, et al. J Pers Soc Psychol 17:280-6, Mar 71
Compliance, consistent conformity, and personality. Klein MH. J Pers Soc Psychol 5:239-45, Feb 67
Conformity, anticonformity, and independence: their dimensionality and generality. Stricker LJ, et al. J Pers Soc Psychol 16:494-507, Nov 70
Discussion tasks as a measure of influence structure and reversal of role structure in normal families. Implications for the study of pathological families. Smith RC. J Psychiatr Res 8:51-61, Oct 70
Plasma testosterone, dominance rank and aggressive behaviour in male rhesus monkeys. Rose RM, et al. Nature (Lond) 231:366-8, 11 Jun 71
Mammalian scent marking. Ralls K. Science 171:443-9, 5 Feb 71
Social insects. Wilson EO. Science 173:406, 23 Apr 71
Consistent and inconsistent status characteristics and the determination of power and prestige orders. Berger J, et al. Sociometry 33:287-304, Sep 70
Relationships between source status, authoritarianism, and conformity in a social influence setting. Moore JC Jr, et al. Sociometry 34:122-34, Mar 71
Compliance to threats as a function of the wording of the threat and the exploitativeness of the threatener. Schlenker BR, et al. Sociometry 33:394-408, Dec 70
Status inconsistency and self-evaluation. Segal DR, et al. Sociometry 33:347-57, Sep 70
Territoriality and the establishment of dominance by means of visual cues in Pomacentrus jenkinsi (Pisces: Pomacentridae). Rasa OA. Z Tierpsychol 26:825-45, Nov 69
[Group behavior of squirrel monkeys with special reference to the communication theory] Mayer W. Kybernetik 8:59-68, Feb 71 (Ger)
[Interaction style and pair sociodynamics in identical twins reared together] Heigl-Evers A. Z Psychother Med Psychol 21:51-64, Mar 71 (Ger)

SOCIAL FACILITATION (F1)

Role of attentional focus in pain perception: manipulation of response to noxious stimulation by instructions. Blitz B, et al. J Abnorm Psychol 77:42-5, Feb 71
Stimulation, enjoyment, and originality in dyadic creativity. Torrance EP. J Educ Psychol 62:45-8, Feb 71
Effects of facilitating techniques and subject-experimenter interaction on creative problem solving. Gall M, et al. J Pers Soc Psychol 5:211-6, Feb 67
Effects of belief similarity and aggression on attraction and counteraggression. Hendrick C, et al. J Pers Soc Psychol 17:342-9, Mar 71
Facilitating effects of daily contact between partners who make a decision to cut down on smoking. Janis IL, et al. J Pers Soc Psychol 17:25-35, Jan 71
Effects of model's and observer's hostility on Rorschach, interview and test performance. Ganzer VJ, et al. J Proj Tech Pers Assess 34:302-15, Aug 70
Group influence on ethical risk taking: the inadequacy of two hypotheses. Horne WC. J Soc Psychol 80:237-8, Apr 70
Drive level and the audience effect: a test of Zajonc's theory. Quarter J, et al. J Soc Psychol 83:99-105, Feb 71
Creative thinking ability and susceptibility to persuasion. Rala JR, et al. J Soc Psychol 82:181-6, Dec 70
Effects of test anxiety and coacting groups on learning and performance. Pederson AM. Percept Mot Skills 30:55-62, Feb 70
Influence of dyadic interaction on creative functioning. Torrance EP. Psychol Rep 28:391-4, Apr 70

SOCIAL ISOLATION (F1, I)

Psychomotor assessment and rehabilitation of socio-culturally deprived children. Feldmann H. Acta Paedopsychiatr (Basel) 37:268-93, Dec 70
Goals and some methods in psychotherapy: hypnosis and isolation. Wickram I. Am J Clin Hypn 13:95-100, Oct 70
Educating teachers and children in law: an approach to reduced alienation in inner-city schools. Elson A, et al. Am J Orthopsychiatry 40:870-8, Oct 70
The young American expatriates in Canada: alienated or self-defined? Kline CL, et al. Am J Orthopsychiatry 41:74-84, Jan 71
The strange society of the physician. Roth N. Am J Psychother 24:494-8, Jul 70
Alienation correlates of Catholic fertility. Neal AG, et al. Am J Sociol 76:460-73, Nov 70
Neurochemical changes associated with isolation and environmental stimulation. Essman WB. Biol Psychiatry 3:141-7, 1971
The use of alcohol in an isolated area of Northern Norway. Irgens-Jensen O. Br J Addict 65:181-5, Nov 70
Mental health in an Indian rural community. Elnagar MN, et al. Br J Psychiatry 118:499-503, May 71
Depersonalization and estrangement: individual or social processes? Schossberger JA. Br J Psychiatry 118:139-40, Jan 71
Evolution and brain injury. The impact of deprivation on cognitive-affective structures. Gardner RW. Bull Menninger Clin 35:113-24, Mar 71
The variable pattern of mental development of rural black children. Brown RE, et al. Clin Pediatr (Phila) 10:404-9, Jul 71
Therapy of the alienated college student. Halleck S. Curr Psychiatr Ther 10:76-82, 1970
Companion therapy for hospitalized psychotics. Ludwig AM, et al. Curr Psychiatr Ther 10:182-90, 1970
Drug environment interactions: acute hypoxia and chronic isolation. DeFeo JJ, et al. Fed Proc 29:1985-90, Nov-Dec 70
Isolation versus grouping effects on adrenal and gonadal function in albino mice. I. The male. Brain PF, et al. Gen Comp Endocrinol 16:149-54, Feb 71
Isolation versus grouping effects on adrenal and gonadal function in albino mice. II. The female. Brain PF, et al. Gen Comp Endocrinol 16:155-9, Feb 71
The stigma of stroke. Its effects on performance during and after rehabilitation. Hyman MD. Geriatrics 26:132-41, May 71
Aging and ethnicity in healthy elderly women. Richek HG, et al. Geriatrics 26:146-52, May 71
Disengagement and morale. Tallmer M, et al. Gerontologist 10:317-20, Winter 70
Social isolates and urbanites in perceptual isolation. As A, et al. J Abnorm Psychol 76:1-9, Aug 70
Differentiation of normals, neurotics, paranoids, and nonparanoids. Hamlin RM, et al. J Abnorm Psychol 77:90-6, Feb 71
Sensory deprivation versus sensory variation. Zuckerman M, et al. J Abnorm Psychol 76:76-82, Aug 70
Alienation: an essential process of the psychology of adolescence. Berman S. J Am Acad Child Psychiatry 9:233-50, Apr 70
Certain cultural and familial factors contributing to adolescent alienation. Noshpitz JD. J Am Acad Child Psychiatry 9:216-23, Apr 70
Alienation of youth as reflected in the Hippie movement. Williams FS. J Am Acad Child Psychiatry 9:251-63, Apr 70
Aleenation of present-day adolescents. Wise LJ. J Am Acad Child Psychiatry 9:264-77, Apr 70
False positives galore: the application of standard MMPI criteria to a rural, isolated, Negro sample. Gynther MD, et al. J Clin Psychol 27:234-7, Apr 71
On fighting in mice: ontogenetic and experiential determinants. Cairns RB, et al. J Comp Physiol Psychol 74:354-64, Mar 71
Social deprivation, housing density, and gregariousness in rats. Latané B, et al. J Comp Physiol Psychol 70:221-7, Feb 70
Dental variability in isolates. Rosenzweig KA, et al. J Dent Res 50:155-60, Jan-Feb 71
Community homogeneity and exclusion of the mentally ill: rejection versus consensus about deviance. Linsky AS. J Health Soc Behav 11:304-11, Dec 70
Alienation: another dimension of underachievement. Propper MM, et al. J Psychol 75:13-8, May 70
Social isolation and bereavement. Wilson FG. Lancet 2:1356-7, 26 Dec 70
Divorce and alienation in modern society. Ackerman NW. Ment Hyg 53:118-26, Jan 69
Loneliness in old age. Burnside IM. Ment Hyg 55:391-7, Jul 71
Long-term isolation in rats reduces morphine response. Katz DM, et al. Nature (Lond) 228:469-71, 31 Oct 70
Social recovery by isolation-reared monkeys. Harlow HF, et al. Proc Natl Acad Sci USA 68:1534-8, Jul 71
Some remarks on depressive isolation. Proposal of an integrated approach. Kubacki A. Psychiatr Clin (Basel) 4:178-83, 1971
Psychological aspects of chronic haemodialysis. Harari A, et al. Psychiatr Neurol Neurochir 74:219-23, May-Jun 70
The activity record: a measure of social isolation-involvement. Sachson AD, et al. Psychol Rep 26:413-4, Apr 70
Alterations in brain sensitivity and barbiturate metabolism unrelated to aggression in socially deprived mice. Baumel I, et al. Psychopharmacologia 18:320-4, 1970
Effects of early experience and differential housing on susceptibility to gastric erosions in lesion-susceptible rats. Ader R. Psychosom Med 32:569-80, Nov-Dec 70
Addiction as a necessity and opportunity. And EH. Science 171:151-3, 15 Jan 71
[Influence of social isolation at birth on the behavior development of the guinea pig] Coulon J. Behaviour 38:93-120, 1971 (Fre)
[Early social deprivation and appearance of the phenomenon of "parasitism" in the adult white rat] Anthouard F. C R Acad Sci [D] (Paris) 272:2009-12, 14 Apr 71 (Fre)
[Influence of an isolation stress on the development of transplanted ascites tumors in mice. Role of the adrenals] Dechambre RP, et al. C R Acad Sci [D] (Paris) 272:2720-2, 24 May 71 (Fre)
[Importance of previous social conditions in the adrenal response of male mice to the odor of a group of strange males] Ropartz P. C R Acad Sci [D] (Paris) 272:2350-1, 3 May 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Psychological effects of detention] Laplante J. Laval Med 40:1057-61, Dec 69 (Fre)
[Influence of isolation on the aggressive behaviour induced by apomorphine in the rat] Senault B. Psychopharmacologia 20:389-94, 1971 (Fre)
[Psychological study of small groups of subjects isolated in high mountain areas] Defayolle, et al. Rev Corps Sante Armees 10:169-81, Apr 69 (Fre)
[Solitude and transference: a study on character neuroses] Neyraut M. Rev Fr Psychanal 34:81-100, Jan 70 (Fre)
[Results of early childhood psychic deprivation in institutionalized children] Matějček Z, et al. Prax Kinderpsychol Kinderpsychiatr 19:85-9, Apr 70 (Ger)
[The problem of speech disorders and their psychosocial aspects] Rubinato L, et al. Minerva Pediatr 22:2271-2, 17 Nov 70 (Ita)
[Risk groups and social environment] Berg B. Tidsskr Nor Laegeforen 91:1348, 20 Nov 71 (Nor)
[Suicide following a conflict with the environment] Wiechowski W. Psychiatr Pol 5:351-3, May-Jun 71 (Pol)
[Seasonal variations in the blood corticosterone level in animals kept in groups and in isolation] Naumenko EV, et al. Dokl Akad Nauk SSSR 195:750-2, 1970 (Rus)
[Claustroxenscopophobia as a model of obsessional syndrome formation] Kznetsov ON. Zh Nevropatol Psikhiatr 70:551-6, 1970 (Rus)
[Honorary doctor (2): blind persons are isolated in both school and work] (Hedkvist C), Soller B. Lakartidningen 68:2563-4 passim, 26 May 71 (Swe)

COMPLICATIONS

[Experiments with sensory deprivation in the light of some neuropsychiatric problems] Petrella F, et al. Rass Neuropsichiatr 22:424-56, Oct-Dec 68 (116 ref.) (Ita)

SOCIAL MEDICINE (G2)

Social issues and medicine. Talbot JC. Arch Intern Med 127:504, Mar 71
Medicine and society--past, present, and future. Pickering G. Br Med J 1:191-6, 23 Jan 71
Health-care legislation. Feldman LL. Bull NY Acad Med 47:249-64, Mar 71
Great expectations. Paterson M. Health Bull (Edinb) 28:14-6, Oct 70
Medicine and government. Harkess JW. J Med Assoc Ga 59:420-1, Nov 70
Where stands social medicine? Fendall NR. Lancet 1:1004-5, 15 May 71
Inverse care law. Jameson JE. Lancet 1:848-9, 27 Mar 71
Conceptions of medical care. Conflict between claims of individual and of society. Rhodes P. Lancet 2:870-2, 24 Oct 70
Social medicine. Booth JB. NZ Med J 73:173, Mar 71
A department of social and preventive medicine in a district general hospital. McQuillan WJ, et al. Postgrad Med J 46:553-6, Sep 70
[The beatnicks and the hippies. Preventive and social medicine] Villalonga Martínez LM, et al. Rev Sanid Hig Publica (Madr) 43:257-78, Mar-Apr 69
The preponderance of chronic medical diseases and the value of continuing socio-medical care. Torrington M. S Afr Med J 45:42-4, 9 Jan 71
The most important indices for the assessment of the health state and medical care of the population. Mányi G. Sante Publique (Bucur) 4:379-86, 1970
Some observations on the practice of social and preventive medicine in ancient India. Gupta SC. Soc Sci Med 4:65-74, Jul 70
Léon Bernard Foundation Award. Dr. Arcot Lakshmanaswami Mudaliar. (Mudaliar AL), WHO Chron 24:295-7, Jul 70
[Social problems in gynecology] Müller C. Cesk Gynekol 36:271-3, Jun 71 (Cze)
[New trends in social medicine in Czechoslovakia] Palec R. Cesk Zdrav 18:453-5, Oct 70 (Cze)
[Social Administration head argues for a strengthening of health services outside of the hospitals] Seierup HC. Ugeskr Laeger 132:2000-1, 15 Oct 70 (Dan)
[Social medical decisions and social reform in Denmark] Wiingaard P. Ugeskr Laeger 133:607-11, 2 Apr 71 (Dan)
[Priority in the aims of and the resources for research. Some social-medical aspects] Jorgensen F. Yngre Laeger 21:1950-1, 1970 (Dan)
[Role of social medicine toward the aged] Bergeron J. Laval Med 40:1045-8, Dec 69 (Fre)
[Evolution and problems of social pediatrics] Lamy M. Minerva Pediatr 22:1189-90, 16 Jun 70 (Fre)
[Reflections on medico-social policies in Switzerland] Pétremand S. Praxis 59:630-1; 28 Apr 70 (Fre)
[Morbidity statistics of psychic diseases. Results and methods in a review. I] Brock RR, et al. Arch Hyg Bakteriol 154:93-101, Oct 70 (Ger)
[Lack of information in rehabilitation] Degenhard B. Dtsch Med J 22:127-31, Mar 71 (Ger)
[Rehabilitation as a medical task] Scholz JF. Dtsch Med J 22:127, Mar 71 (Ger)
[The contribution of public health and social services to the development of the socialist society in the DDR] Schunke W. Dtsch Stomatol 20:711-20, Sep 70 (Ger)
[Providing medical care--a sociomedical task of the trusted physician] Kradolfer H. Praxis 59:90-1, 20 Jan 70 (Ger)
[Sleep disorders in the elderly--a social medicine problem] Meyer HH. Praxis 60:1041-2, 3 Aug 71 (Ger)
[Economic management problems of social insurance] Steinlin P. Praxis 59:550-5, 14 Apr 70 (Ger)
[Disability insurance problems in medical-social politics] Weber H. Praxis 59:565-6, 14 Apr 70 (Ger)
[The importance of functional syndromes in social medicine] Cremerius J. Ther Umsch 28:391-6, Jun 71 (Ger)
[Psychosomatic medicine, its significance for family health and the therapeutic methods of social medicine] Schwöbel G. Ther Umsch 28:397-403, Jun 71 (Ger)
[Physiological aspects on social somatology of the cardiovascular system] Golenhofen K. Verh Dtsch Ges Kreislaufforsch 32:23-37, 1966 (39 ref.) (Ger)
[Basic problems of social somatology] Schaefer H. Verh Dtsch Ges Kreislaufforsch 32:1-11, 1966 (Ger)
[Vocational change, disability and professional incapacity due to ankylosing spondylitis] Schwenk G. Verh Dtsch Ges Rheumatol 1:219-22, 1969 (Ger)
[Child psychiatry problems within the scope of social pediatrics] Asperger H. Wien Med Wochenschr 120:353-6, 16 May 70 (Ger)
[Observations on social and pediatric problems] Czermak H. Wien Med Wochenschr 120:351-3, 16 May 70 (Ger)
[Medical problems in furnishing tuberculosis assistance] Kuhn H. Wien Med Wochenschr 120:967-8, 19 Dec 70 (Ger)
[Validity of the interview in medicine and sociology] Hüttner H, et al. Z Aerztl Fortbild (Jena) 64:1116-9, 1 Nov 70 (Ger)
[Social-medical rehabilitation from the viewpoint of comparative statistic of health and pension insurance] Rautenberg E. Z Allgemeinmed 47:1019-26, 20 Jul 71 (Ger)
[Orthopedic disorders in disability evaluation for social courts of justice] Biehl G, et al. Z Orthop 108:277-86, Sep 70 (Ger)
[Health insurance and protection of motherhood. Social report 1971 of the Federal Republic] Zahnaerztl Mitt 61:802-4 passim, 16 Aug 71 (Ger)
[Medico-social problems of ambiyopia] Verraz R. Arch Sci Med (Torino) 126:960-6, Nov 69 (Ita)
[Organization in each province of an Association of preventive social medicine. Proposed law Number 1316-drawn up by senators, Dr. Amato Berthet and Dr. Luigi Dalvit, and sent to the president of the Senate of the Republic on 13 August 1970] Lotta Tubere 40:360-5, Jul-Sep 70 (Ita)
[The social role of industrial medicine] Ambrosi L. Med Lav 61:545-7, Nov 70 (Ita)
[Social assistance in schools in the Emilia-Romagna region] Faggioli A, et al. Riv Clin Pediatr 81:1360-3, Nov-Dec 68 (Ita)
[Formation and evolution of the concept of social pediatrics] Pifferi E. Riv Clin Pediatr 81:1335-7, Nov-Dec 68 (Ita)
[The object of social medicine] Antoniotti F. Zacchia 6:147-72, Apr-Jun 70 (Ita)
[On the value (even economic) of man] Baldi GM. Zacchia 5:1-36, Jan-Mar 69 (Ita)
[Organization and problems of wartime social hygiene] Gavrilov OK. Sov Zdravookhr 30:10-5, 1971 (Rus)
[Theory of a unified industrial society and bourgeois sociology of medicine] Smulevich BIa. Sov Zdravookhr 29:9-14, 1970 (Rus)
[Role of the study of social problems of public health in higher quality medical training (review of data from several foreign countries)] Kal'iu PI. Zdravookhr Ross Fed 14:33-7, Mar 70 (Rus)
[Medicine, ecology and society] San Martin H. Prensa Med Mex 33:15-7, Jan-Feb 68 (Spa)
[Present development and future of general practice. Social medicine and group practice] Segarra AS. Rev Sanid Hig Publica (Madr) 44:519-31, May 70 (Spa)
[Psychic, physical and social health] Fritzell S. Lakartidningen 67:6028-36, 16 Dec 70 (Swe)
[Criticism of a powerful myth] Reinius E. Lakartidningen 68:2338-41, 12 May 71 (Swe)

EDUCATION

A profile of the internship training programme in preventive and social medicine--all India Institute of Medical Sciences. Patnaik KC, et al. Indian J Public Health 14:2-5, Jan 70
Training for social medicine with emphasis on internal medicine and pediatrics. Wise H. Postgrad Med 48:183-7, Aug 70
Medicine and society. Encel S. Soc Sci Med 4:147-52, Jul 70
[Conclusion of the discussion on specialization and continuing education in social medicine] Balogh J, et al. Cesk Zdrav 18:457-9, Nov 70 (Cze)
[Education in social medicine at medical schools] Nováková H. Cesk Zdrav 19:44-5, 1971 (Cze)
[Teaching of social and preventive medicine] Jeanneret O. Bull Schweiz Akad Med Wiss 26:427-35, Jan 71 (Fre)
[Prognosis of education in the health and social sciences] Winter K. Dtsch Gesundheitsw 26:1189-92, 17 Jun 71 (Ger)
[Health care in social work in training and practice: yes or no?] Schöll KJ. Oeff Gesundheitswes 32:692-3, Dec 70 (Ger)
[Study-associated achievement control as an inherent component of modern university pedagogic methods of education and training of medical students, based on the example of a course in social medicine] Böhm H, et al. Z Gesamte Hyg 17:386-9, Jun 71 (Ger)
[Further development of scientific-productive study in medical higher education--specifically in the discipline of social hygiene] Wolz W, et al. Z Gesamte Hyg 16:917-21, Dec 70 (Ger)
[On the importance of social medicine problems within the framework of university teaching of pediatrics] Avenati A. Riv Clin Pediatr 81:1297-8, Nov-Dec 68 (Ita)
[Content and method of instruction of a course in social medicine at the Kodice Medical School] Filip M, et al. Sov Zdravookhr 29:55-7, 1970 (Rus)
[Medical education and instruction in social hygiene and public health administration in the Polish People's Republic] Mindlin IaS, et al. Zdravookhr Ross Fed 15:33-6, Jan 71 (Rus)
[Postgraduate education in problems of public health and social and preventive medicine] De la Quintana P. An R Acad Naci Med (Madr) 87:491-562, 1970 (Spa)
[Committee of Experts of the PHO-WHO. 1st report on the teaching of preventive and social medicine in the schools of medicine in Latin America] Educ Med Salud 3:132-55, Apr-Jun 69 (Spa)
[Discussion on medical education: attitude, knowledge and overall view--a goal analysis in social medicine] Allander E, et al. Lakartidningen 68:2494-8, 19 May 71 (Swe)

HISTORY

Léon Bernard Foundation Award. (Aujaleu E), WHO Chron 25:299-301, Jul 71
[O.O. Mochutkovskii and social medicine in the 70th and 80th year of the 19th century (on the 125th anniversary of his birth)] (Mochutkovskii OO), Vasil'ev KG, et al. Sov Zdravookhr 30:76-8, 1971 (Rus)
[Alfred Grotjahn and his significance for our time] (Grotjahn A), Vinter K. Zdravookhr Ross Fed 15:30-2, Jun 71 (Rus)

MANPOWER

The scope for co-operation between the medical social worker and the general practitioner. Lewis PH. J R Coll Gen Pract 20:3-5, Jul 70

SOCIAL MOBILITY (I, N1)

Social and psychological consequences of intergenerational occupational mobility. Kessin K. Am J Sociol 77:1-18, Jul 71
Mobility and work satisfaction: a discussion of the use and interpretation of mobility models. Laslett B. Am J Sociol 77:19-35, Jul 71
The role of geographic mobility in some adjustment problems of children and families. Tooley K. J Am Acad Child Psychiatry 9:366-78, Apr 70
Mobility as a factor in adolescent identity problems. Cohen HA, et al. Psychol Rep 25:775-8, Dec 69
Status inconsistency theory and flying saucer sightings. Warren DI. Science 170:599-603, 6 Nov 70
[The social ascendancy neuroses] Stüber G. Z Psychosom Med Psychoanal 15:260-72, Oct-Dec 69 (Ger)

SOCIAL PERCEPTION (F1)

An experimental study of mutual behaviour imitation and person perception in MZ and DZ twins. Implications for an experimental-psychometric analysis of heritability coefficients. Wilde GJ. Acta Genet Med Gemellol (Roma) 19:273-9, Jan-Apr 70
The generality of social perception characteristics. Doise W, et al. Acta Psychol (Amst) 34:521-4, Dec 70
An application of Bayes' theorem to person perception: the effect of rate of revision and initial revision on the perception of another's age. Lovie AD, et al. Acta Psychol (Amst) 34:322-7, Dec 70
Parent vs. teacher behavior ratings of TMR pupils. Jamison CB, et al. Am J Ment Defic 75:746-51, May 71
Group psychotherapy: its effects on mothers who rate social performance of retardates. Siegel B, et al. Am J Psychiatry 127:1215-7, Mar 71
Occlusal relations in children in an optimally fluoridated community. IV. Clinical and social-psychological findings. Horowitz HS, et al. Angle Orthod 41:189-201, Jul 71
Perceptual and cognitive resources of family members: contrasts between families of paranoid and nonparanoid schizophrenics and nonschizophrenic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

psychiatric patients. Reiss D, et al.
Arch Gen Psychiatry 24:121-34, Feb 71
Thought-process disorder and personal construct subsystems. McPherson FM, et al.
Biophys J 11:380-1, Jan 71
Religion and conceptual models of behaviour. Shaw BW. Biophys J 11:320-7, Jan 71
The effects of creativity and intelligence on teacher ratings. Brody EB. Br J Educ Psychol 40:342-4, Nov 70
When is Black beautiful? Coloured and white children's reactions to skin colour. Richardson SA, et al.
Br J Educ Psychol 41:62-9, Feb 71
Binocular resolution and perception of race in the United States. Lent RH. Br J Psychol 61:521-33, Nov 70
Do spectacles really affect judgements of intelligence? Argyle M, et al. Br J Soc Clin Psychol 10:27-9, Feb 71
Sex differences in the perception of friendly and unfriendly interactions. King MG.
Br J Soc Clin Psychol 9:212-5, Sep 70
Thought-process disorder and personal construct subsystems. McPherson FM, et al.
Br J Soc Clin Psychol 9:380-1, Dec 70
Cognitive and affective aspects of children's national attitudes. Middleton MR, et al.
Br J Soc Clin Psychol 9:122-34, Jun 70
Religion and conceptual models of behaviour. Shaw BW. Br J Soc Clin Psychol 9:320-7, Dec 70
Self-other orientations of French- and English-Canadian adolescents. Henderson EH, et al.
Can J Psychol 24:142-52, Jun 70
Children's judgments of kindness. Baldwin CP, et al.
Child Dev 41:29-47, Mar 70
Perceived maternal child-rearing experience and the effects of vicarious and direct reinforcement on males. Heilbrun AB Jr. Child Dev 41:253-62, Mar 70
Manifest anxiety and perception of micromomentary expression. Garwood R, et al.
Compr Psychiatry 11:576-80, Nov 70
Parent and pupil perceptions of special classes for emotionally disturbed children. McKinnon AJ.
Except Child 37:302-3, Dec 70
Techniques for screening conduct disturbed children. Nelson CM. Except Child 37:501-7, Mar 71
Emotionally disturbed children and their school related perceptions. Thomas EC.
Except Child 36:623-4, Apr 70
The concept of old: changing attitudes and stereotypes. Seltzer MM, et al. Gerontologist 11:226-30, Autumn 71
Mental illness and the ipact of believing others know about it. Farina A, et al.
J Abnorm Psychol 77:1-5, Feb 71
Differentiation of normals, neurotics, paranoids, and nonparanoids. Hamlin RM, et al.
J Abnorm Psychol 77:90-6, Feb 71
An investigation of personal constructs through nonverbal tasks. Riedel WW.
J Abnorm Psychol 76:173-9, Oct 70
Susceptibility to social influence and retention of opinion change in two types of delinquents. Schmid AC. J Abnorm Psychol 76:123-9, Aug 70
Social schemata in schizophrenic males. Thornton CC, et al. J Abnorm Psychol 77:192-5, Apr 71
Effect of interview information in altering valid impressions. Carlson RE.
J Appl Psychol 55:66-72, Feb 71
Factor analysis of the patient perception of the Ward Scale. Graham JR, et al.
J Clin Psychol 27:278-84, Apr 71
Locus of control as a factor influencing patients' perceptions of ward atmosphere. Kish GB, et al.
J Clin Psychol 27:287-9, Apr 71
Hospitalization time and psychiatrists' perceptions of mental patients. Koppel I, et al.
J Clin Psychol 27:59-61, Jan 71
Client evaluation of therapist strength and positive-negative evaluation as related to client dynamics, objective ratings of competency and outcome. Milnick B, et al.
J Clin Psychol 27:408-10, Jul 71
Relationships of speaker-message perception to perceptual field-independence. Brilhart BL.
J Commun 20:153-66, Jun 70
The facilitation of White-Black communication. Daniel JL. J Commun 20:134-41, Jun 70
Perceived clarity of individual job objectives and of group mission as correlates of organizational morale. Maher JR, et al. J Commun 20:125-33, Jun 70
Preferences for therapists and related expectancies. Boulware DW, et al.
J Consult Clin Psychol 35:269-77, Oct 70
Repressor-sensitizer personality styles and associated levels of verbal ability, social intelligence, sex knowledge, and quantitative ability. Clark LF, et al.
J Consult Clin Psychol 36:183-8, Apr 71
Social schemata of emotionally disturbed boys and their male siblings. DuHamel TR, et al.
J Consult Clin Psychol 36:281-5, Apr 71
Perception of parental sex-role behavior and psychopathology in adult males. Kayton R, et al.
J Consult Clin Psychol 36:235-7, Apr 71
Treatment of "adolescent rebellion" by the reconstrual of stimuli. Masters JC.
J Consult Clin Psychol 35:213-6, Oct 70
Individual differences in perceptions of the college environment. Marks E.
J Educ Psychol 61:270-9, Aug 70
Some relationships among children's perceptions of parental characteristics. Heaps RA.
J Genet Psychol 117:7-11, Sep 70
The connotative meaning of parent-child relationships as related to perceived maternal warmth and control. Magaro PA. J Genet Psychol 117:25-35, Sep 70
Awareness, affection, and perceived similarity in the parent-child relationship. Wakefield WM.
J Genet Psychol 117:91-7, Sep 70
Variation in hospital employment and influence perceptions among nursing personnel. Alutto JA, et al. J Health Soc Behav 12:30-4, Mar 71
Antithetical apperception of family members by neurotics. Teichman M.
J Individ Psychol 27:73-5, May 71
Psychological status and the perception of primary and secondary support from the social milieu in time of crisis. Lindenthal JJ, et al.
J Nerv Ment Dis 153:92-8, Aug 71
Self-esteem, attitude similarity, and attraction. Hendrick C, et al. J Pers 38:588-601, Dec 70
Personality and discrepancies between verbal reports and physiological measures of private emotional experiences. Thayer RE. J Pers 39:57-69, Mar 71
Family relations test responses of disturbed and normal boys: additional comparative data. Kauffman JM. J Pers Assess 35:128-38, Apr 71
Causality-interpretation and the precipitation of distress. Stolorow RD. J Pers Assess 35:122-7, Apr 71
Attribution of dispositions to an actor: effects of perceived decision freedom and behavioral utilities. Ajzen I. J Pers Soc Psychol 18:144-56, May 71
Perception of contradictory meanings conveyed by verbal and nonverbal channels. Bugental DE, et al.
J Pers Soc Psychol 16:647-55, Dec 70
Evaluative versus descriptive consistency in trait inferences. Felipe AI.
J Pers Soc Psychol 16:627-38, Dec 70
Effects of self-esteem, perceived performance, and choice on causal attributions. Fitch G.
J Pers Soc Psychol 16:311-5, Oct 70
Effects of experimentally aroused feelings of undistinctiveness upon valuation of scarce and novel experiences. Fromkin HL.
J Pers Soc Psychol 16:521-9, Nov 70
Personality integration and perception of interpersonal relationships. Hearn CB, et al.
J Pers Soc Psychol 18:138-43, May 71
Race versus belief similarity as determinants of attraction: a search for a fair test. Hendrick C, et al.
J Pers Soc Psychol 17:250-8, Mar 71
Context effects in impression formation: the weighted average versus the meaning-change formulation. Kaplan MF. J Pers Soc Psychol 19:92-9, Jul 71
Affective and emotional responses as a function of other person's gaze and cooperativeness in a two-person game. Kleinke CL, et al.
J Pers Soc Psychol 17:308-13, Mar 71
Usurpation and perceived support as determinants of the endorsement accorded formal leaders. Michener HA, et al. J Pers Soc Psychol 18:364-72, Jun 71
Social comparison, self-consistency, and the concept of self. Morse S, et al. J Pers Soc Psychol 16:148-56, Sep 70
Evaluative and descriptive aspects in personality perception: a reappraisal. Peabody D.
J Pers Soc Psychol 16:639-46, Dec 70
Guilt, perceived injustice, and altruistic behavior. Regan JW. J Pers Soc Psychol 18:124-32, Apr 71
Evaluative and descriptive aspects in personality perception. Rosenberg S, et al.
J Pers Soc Psychol 16:619-28, Dec 70
Effects of physical attractiveness, attitude similarity, and sex on various aspects of interpersonal attraction. Stroebe W, et al. J Pers Soc Psychol 18:79-91, Apr 71
Judging whether a patient is white or black by his Draw-A-Person Test. Jernigan AJ.
J Proj Tech Pers Assess 34:503-6, Dec 70
Validation of the orthogonal dimensions underlying the ICL and the octant constellations assumed to be their measure. Lange DE.
J Proj Tech Pers Assess 34:519-27, Dec 70
Adolescents' perception of themselves and adults in Hutterite communal society. Schludermann S, et al.
J Psychol 78:39-48, May 71
School-related perception in handicapped children. Thomas EC, et al. J Psychol 77:101-17, Jan 71
Caste prejudice and its perception by Harijans. Anant SS. J Soc Psychol 82:165-72, Dec 70
Temporal orientation and academic achievement in college. Barabasz AF. J Soc Psychol 80:231-2, Apr 70
Santa Claus drawings by Negro and white children. Coyle FA Jr, et al. J Soc Psychol 80:201-5, Apr 70
Attribution of blame, feelings of anger, and direction of aggression in response to interracial frustration among poverty-level female Negro adults. Forbes GB, et al. J Soc Psychol 83:73-8, Feb 71
A comparative study of intercultural insightand empathy. Lindgren HC, et al.
J Soc Psychol 80:135-41, Apr 70
Interpersonal evaluation as a function of social attention. Meltzer L, et al.
J Soc Psychol 81:79-85, Jun 70
The effects of ego identity and partner perception on a Prisoner's Dilemma game. Podd MH, et al.
J Soc Psychol 82:117-26, Oct 70
Leader LPC scores: attitude dimensions and behavioral correlate. Yuki G. J Soc Psychol 80:207-12, Apr 70
The importance attributed to perceived work competence and scholastic achievement by institutionalized retarded persons. Rosen M, et al.
Ment Retard 8:33-6, Oct 70
Person perception accuracy as a function of ethnic group and familiarity. Christensen L.
Percept Mot Skills 31:510, Oct 70
Context effects in person perception as a function of dogmatism. Daves WF, et al.
Percept Mot Skills 31:927-32, Dec 70
Note on perceived personality of a nude. Foster JJ.
Percept Mot Skills 31:941-2, Dec 70
Iranian perceptions of the Reza Shah and President Johnson. Merenda PF, et al.
Percept Mot Skills 32:239-41, Feb 71
Social perception of internal-external control. Miller AG. Percept Mot Skills 30:103-9, Feb 70
Psychopathology and perception of physiques. Miller AR, et al. Percept Mot Skills 32:475-8, Apr 71
What is signalled by proximity? Porter E, et al.
Percept Mot Skills 30:39-42, Feb 70
Personality-impression formation as a function of visual cues and set. Rinella S, et al.
Percept Mot Skills 31:427-30, Oct 70
Vigilance and the perceptions of teachers and students. Soucar E. Percept Mot Skills 32:83-6, Feb 71
Effects of eye position on person perception. Tankard JW Jr. Percept Mot Skills 31:883-93, Dec 70
Ego defense, self-concept and image of self ascribed to parents by delinquent boys. Teichman M.
Percept Mot Skills 32:819-23, Jun 71
Perception of disability by welfare and rehabilitation clients. Walls RT, et al.
Percept Mot Skills 31:793-4, Dec 70
Marijuana users' views of marijuana use. Brotman R SUFFET F.
Proc Am Psychopathol Assoc 59:258-74, 1970
Methodological considerations relevant to discrimination in employment testing. Einhorn HJ, et al. Psychol Bull 75:261-9, Apr 71
Social perception and signal detectability theory: group influence on discrimination and usage of scale. Upmeyer A. Psychol Forsch 34:283-94, 1971
Social desirability, marital satisfaction, and concomitant perceptions of self and spouse. Cone JD.
Psychol Rep 28:173-4, Feb 71
Interpersonal trust and delinquency: a reply to Rotter. Fitzgerald BJ, et al. Psychol Rep 26:665-6, Apr 70
Persistence of ethnic stereotypes and the relative importance of positive and negative stereotyping for association preferences. Hartsough WR, et al.
Psychol Rep 27:723-31, Dec 70
Hair color, personality, and the observer. Lawson ED.
Psychol Rep 28:311-22, Feb 71
Perception of choice and locus of control. Lewis P, et al.
Psychol Rep 28:67-70, Feb 71
Attribution of hostile intent in literature. Nadel BS, et al. Psychol Rep 25:747-63, Dec 69
The breakdown of the American image: comparison of stereotypes held by college students over four decades. Sisley EL. Psychol Rep 27:779-86, Dec 70
Changes in awareness of impact upon others as a function of encounter and marathon group experiences. Weissman HN, et al.
Psychol Rep 28:651-61, Apr 71
Value profiles, value-role-taking, and health. Eshleman RF. Soc Sci Med 4:113-30, Jul 70
Violation of parental role structure and outcome in schizophrenia. A scored analysis of features in the patient-parent relationship. Scott RD, et al.
Soc Sci Med 4:41-64, Jul 70
Compliance to threats as a function of the wording of the threat and the exploitativeness of the threatener. Schlenker BR, et al. Sociometry 33:394-408, Dec 70
A note on the reliability of the Children's Locus of Control Scale. Pesce CT.
Train Sch Bull (Vinel) 65:84-6, Nov 68
[Studies on living space representation in size-valence linkage. A conditional analytic contribution to the problem of social perception] Naatz T.
Z Exp Angew Psychol 17:277-95, 1970 (Ger)
[Considerations on self perception and perception of others in adolescent students and apprentices coming from families of workers] Carugati F.
Minerva Pediatr 22:2167-70, 3 Nov 70 (Ita)

SOCIAL PLANNING (I)

Public health in the new community. Meadows P.
Am J Public Health 60:1900-3, Oct 70
A proposal for the creation of a compulsory national service corps. Stead EA Jr.
Arch Intern Med 127:89-90, Jan 71
Health and good estate. Macdonald JB.
Can J Public Health 62:185-91, May-Jun 71
The design of supportive environments for the life-span. Beattie WM Jr.
Gerontologist 10:190-3, Autumn 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Toward a social policy on aging. Cohen ES.
Gerontologist 10:Suppl:13-21, Winter 70
Research and public policy: relevance for decision making. Cohen ES.
Gerontologist 10:198-201, Autumn 70
Social planning in Britain. Cullingworth JB.
Gerontologist 10:211-3, Autumn 70
State and local resources allocation and the aging. Dwight DR. Gerontologist 10:202-6, Autumn 70
Aging and income security in the United States: thirty-five years after the Social Security Act. Gordon MS. Gerontologist 10:Suppl:23-31, Winter 70
Social planning--a continuing challenge. Kaplan J.
Gerontologist 10:189, Autumn 70
Social policy priorities: age vs. youth; the federal government. Oriol WE.
Gerontologist 10:207-10, Autumn 70
Effect of environment on morale. Schooler KK.
Gerontologist 10:194-7, Autumn 70
The performance of community oriented activities by specialist and generalist dental practitioners. Waldman HB. J Am Coll Dent 38:173-9 passim, Jul 71
The psychology of social control. Lowe CM.
Ment Hyg 55:124-9, Jan 71
Should we listen to the students? Kluge L, et al.
Phys Ther 51:792-3, Jul 71
Planning of environmental health programmes.
WHO Chron 24:321-4, Jul 70
[Is there a place for treatment of involuntary conjugal sterility in the prenatal policy of France?] Varangot J. Bull Acad Natl Med (Paris) 155:10-5, 5-12 Jan 71 (Fre)
[The community council of a hospital] Piperkov DM.
Zdravookhr Ross Fed 15:15-7, Mar 71 (Rus)

EDUCATION

Pimps, prostitutes, and policemen: education of consumers for participating in health planning. Henry P. Am J Public Health 60:2171-4, Nov 70

SOCIAL PROBLEMS (I)

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ALCOHOLISM (C14, F2)
DRUG ADDICTION (F2)
GAMBLING (F1, F2)
STUDENT DROPOUTS (F1, I, N1)

Improving the quality of life. Flowers CE Jr.
Ala J Med Sci 7:297-9, Jul 70
Socio-cultural aspects of alcoholism. Bloom JD.
Alaska Med 12:65-7, Sep 70
Practice as protest. Freeman RB.
Am J Nurs 71:918-21, May 71
Health clinic for the alienated. Russell B, et al.
Am J Nurs 71:80-3, Jan 71
Follow The Yellow Brick Road. Bazelon DL.
Am J Orthopsychiatry 40:562-7, Jul 70
Reaction to socio-documentary film research in a mental health clinic. Chaifen R, et al.
Am J Orthopsychiatry 41:91-100, Jan 71
Urban problems and the community mental health center: multiple mandates, difficult choices. 3. Race relations: a pervasive issue. Herbert AB, et al.
Am J Orthopsychiatry 41:158-67, Jan 71
Urban problems and the community mental health center: multiple mandates, difficult choices. I. Background and current status. Leopold RL.
Am J Orthopsychiatry 41:144-9, Jan 71
Emotional disorder as a social problem: implications for mental health programs. Ryan W.
Am J Orthopsychiatry 41:638-45, Jul 71
Standard operating procedures and institutionalization on the psychiatric unit. Stern R.
Am J Orthopsychiatry 40:744-50, Oct 70
Urban problems and the community mental health center: multiple mandates, difficult choices. 2. The impact on research and evaluation. Yudin LW, et al.
Am J Orthopsychiatry 41:149-57, Jan 71
Emergency psychiatric treatment during a mass rally: The March on Washington. Carpenter WT Jr, et al.
Am J Psychiatry 127:1327-32, Apr 71
The psychiatrist's role in dealing with social turmoil. Duhl LJ. Am J Psychiatry 127:225-7, Aug 70
The superego: a key to troubled students. Moss NI.
Am J Psychiatry 127:1418, Apr 71
Rebellion and anti-social behavior. Offer D.
Am J Psychoanal 31:13-9, 1971
American journal of psychotherapy. Lesse S.
Am J Psychother 24:545-7, Oct 70
Abortion--1970. Gold EM.
Am J Public Health 61:487-8, Mar 71
Ethical issues in research on student protest. Nikelly AG. Am Psychol 26:475-8, May 71
The medical student's view of alcoholism education. Jessee WF. Ann NY Acad Sci 178:24-7, 29 Mar 71
Heroin addiction: the epidemic of the 70's. Spelman JW.
Arch Environ Health 21:589-90, Nov 70
Clinical and social aspects of marihuana intoxication. Wikler A. Arch Gen Psychiatry 23:320-5, Oct 70
Medical care during the November 1969 antiwar demonstrations in washington, DC. A experience in crowd medicine. Chused TM, et al.
Arch Intern Med 127:67-9, Jan 71
Social problems facing medicine. Invert and proceed. Wise H. Arch Intern Med 127:76-9, Jan 71
Social issues and scientific medicine.
Arch Intern Med 127:157, Jan 71
Involvement: today's challenge to ASHA. Presidential address--1970 National Convention. Kleffner F.
ASHA 13:359-62, Jun 71
A sampling of official policy positions of health care professions and agencies on social, political, and moral concerns. Shields D. ASHA 13:350-8, Jun 71
Medicine and human values. Jessee WF.
Calif Med 112:72-3, Feb 70
The adolescent and his dangers. Key areas of adolescent rebellion often become the pediatrician's problem. Kappelman MM.
Clin Pediatr (Phila) 10:154-9, Mar 71
Short-term group social service project for pregnant, indigent, unwed teenagers. Lau JA.
HSMHA Health Rep 86:168-72, Feb 71
Leprosy in Ethiopian society. Giel R, et al.
Int J Lepr 38:187-98, Apr-Jun 70
Panel on 'protest and revolution'.
Int J Psychoanal 51:211-8, 1970
A hunger strike on campus. Dawson JB.
J Am Coll Health Assoc 19:87-8, Dec 70
The usefulness of class interaction in affecting health attitudes: a before and after analysis of specific social health problems. Shaw CT.
J Am Coll Health Assoc 19:221-9, Apr 71
One year later. Mayer J.
J Am Diet Assoc 58:300-2, Apr 71
Measurement of a construct of the student-activist personality. Sheehan PW.
J Consult Clin Psychol 36:297, Apr 71
Rebels from principle. The philosophical roots of alienation. Pellegrino ED.
J Kans Med Soc 72:115-9 passim, Mar 71
The growing influence of health problems on school health education. Callan LB.
J Sch Health 41:137-41, Mar 71
Nutrition and society. Kallen DJ.
JAMA 215:94-100, 4 Jan 71
Medicine and society. King LS.
JAMA 215:969-71, 8 Feb 71
Alcohol and society. Smith JA. JAMA 217:827, 9 Aug 71
The social significance of the danger list. Weisman AD, et al. JAMA 215:1963-6, 22 Mar 71
The world stops for the hungry. White PL.
JAMA 215:110-1, 4 Jan 71
The role of the medical profession as an élite. Lawless J. Lancet 1:543, 13 Mar 71
Out of house and home. Lancet 1:1280-1, 19 Jun 71
Problems arising from alcohol in the New Hebrides. Hocking RB. Med J Aust 2:908-10, 14 Nov 70
Mental health in the permissive society. Maddison D.
Med J Aust 1:908-14, 24 Apr 71
Hooliganism and vandalism. Gibbens T.
Med Leg J 38:122-34, 1970
Racism, the family, and society: a crisis in values. Eisenberg L. Ment Hyg 52:512-20, Oct 68
What is the medical profession's role in relation to the rock festivals of youth? Ahronheim JH, et al.
Mich Med 69:870-1 passim, Oct 70
Drug problems on the national scene and corrective measures. Wilson WM.
Nebr State Med J 56:5-10, Jan 71
On tolerating tramps. Cronk HM.
Nurs Times 67:486, 22 Apr 71
The lonely adolescent. Gunn AD.
Nurs Times 66:1397-8, 29 Oct 70
The ladder. Palmer NB. Nurs Times 67:126-7, 28 Jan 71
The general practitioner and the permissive society. Chapple P. Practitioner 206:273-5, Feb 71
Young people and society. Coon C.
Practitioner 206:275-7, Feb 71
The general practitioner and the permissive society. Some psychological aspects. Hordern A.
Practitioner 206:280-2, Feb 71
[The beatnicks and the hippies. Prventive and social medicine] Villalonga Martínez LM, et al.
Rev Sanid Hig Publica (Madr) 43:257-78, Mar-Apr 69
Pressures on the American Physician. Buxton BH Jr.
RI Med J 54:77-8 passim, Feb 71
The tarnished image of American higher education. Lennon JL. RI Med J 54:38-42 passim, Jan 71
Interdisciplinary problem-oriented research in the university. Long FA. Science 171:961, 12 Mar 71
Veneral diseases in modern society. Morton RS.
Singapore Med J 11:210-3, Dec 70
Medical excellence and social sensitivity. Buerk MS.
Woman Physician 26:13-5, Jan 71
[The society of tomorrow] Celio N.
Praxis 60:829-31, 22 Jun 71 (Fre)
[Relations between generations and related problems] Tapia C. Praxis 60:1031-40, 3 Aug 71 (Fre)
[Pornography in the United States of America] Veylon R. Presse Med 79:971-4, 24 Apr 71 (Fre)
[The good and the bad illness] Collomb H, et al.
Soc Sci Med 4:329-33, Sep 70 (Fre)
[Pregnancy in adolescents] Bilodeau R, et al.
Union Med Can 99:1485-9, Aug 70 (Fre)
[Legasthenia as a social problem] Frischknecht W.
Praxis 59:80-1, 20 Jan 70 (Ger)
[Somatic and psychosocial factors in the immediate background of mental disorders in the aged] Greger J.
Psychiatr Clin (Basel) 4:159-77, 1971 (Ger)
[The situation between the individual and society] Bodenheimer AR.
Z Psychosom Med Psychoanal 16:374-85, Oct-Dec 70 (Ger)
[Neurotic personality development and power of containment of neuroses in relation to certain factors of the present social conditions] Motta E.
Acta Neurol (Napoli) 25:362-71, May-Jun 70 (Ita)
[Experiences in assistance to the scholarship holders of the senior high schools] Bianchin AS, et al.
Minerva Pediatr 22:2153-5, 3 Nov 70 (Ita)
[On youth today] Ortoleva V.
Minerva Pediatr 22:2242-4, 17 Nov 70 (Ita)
[Trend and consciousness of occupational problems in adolescents] Tozzi E.
Minerva Pediatr 22:2291-2, 17 Nov 70 (Ita)
[Cocaine addiction: medico-social problem affecting the socio-economical progress of some countries. Its causes and ways of preventing it and legislation] Perez JC. Hospital (Rio de J) 77:961-92, Mar 70 (Por)
[Medicosocial problems of the aged population] Duda R.
Rev Med Chir Soc Med Nat Iasi 75:307-14, Apr-Jun 71 (Rum)
[Psycho-social problems in a pulmonary tuberculosis hospital] Neculau A, et al.
Rev Med Chir Soc Med Nat Iasi 74:755-8, Jul-Sep 70 (Rum)
[Role of the study of social problems of public health in higher quality medical training (review of data from several foreign countries)] Kal'iu PI.
Zdravookhr Ross Fed 14:33-7, Mar 70 (Rus)
[Problems in the control of blenorrhagia] Campos Salas A. Bol Of Sanit Panam 70:66-78, Jan 71 (Spa)
[The physician and the humanistic culture] Dickmann GH. Prensa Med Argent 58:157-9, 19 Mar 71 (Spa)
[Human repercussions of internal solar effects] Poumailloux M.
Rev Clin Esp 115:507-20, 31 Dec 69 (28 ref.) (Spa)
[Health aspects of drug addiction] Yuste Grijalba FJ.
Rev Sanid Hig Publica (Madr) 44:611-24, Jun 70 (Spa)
[Man--world--disease] Collazo CR.
Rev Sanid Milit Argent 68:185-92, Dec 69 (Spa)
[Determinant transcultural factors of mental disease] Pérez de Francisco C.
Salud Publica Mex 13:65-70, Jan-Feb 71 (Spa)
[Hashish and society] Kipfer H.
Praxis 60:491-4, 20 Apr 71 (Mul)

HISTORY

The revolt of youth: some historical comparisons. Rosen G. Proc Am Psychopathol Assoc 59:1-19, 1970
Benjamin Rush, M.D.--1970. (Rush B), Blain D.
Trans Stud Coll Physicians Phila 38:61-98, Oct 70
[V. I. Lenin and social problems of public health] (Lenin VI), Serenko AF.
Sov Zdravookhr 29:9-19, 1970 (Rus)

SOCIAL PSYCHOLOGY see PSYCHOLOGY, SOCIAL (F1, F3)

SOCIAL REINFORCEMENT see REINFORCEMENT, SOCIAL (F1)

SOCIAL SCIENCES (F3, I)

The roles of medicine and social science in the future health services of Britain. Ferguson RS.
Br J Med Educ 4:158-63, Jun 70
Community diagnosis: mental retardation and social science. Portal-Foster CW.
Can J Public Health 62:46-53, Jan-Feb 71
Improving Canada's medical aid to developing countries: a role for the social sciences. Murphy HB.
Can Med Assoc J 103:1283-5, 5 Dec 70
The social scientist as coroner's deputy. Farberow NL, et al. J Forensic Sci 16:15-39, Jan 71
Social scientists and blood supply. Culyer AJ.
Lancet 1:1247-8, 12 Jun 71
Communication in the physical and the social sciences. Garvey WD, et al. Science 170:1166-73, 11 Dec 70
The development of the social and health sciences in Japan. Yamamoto M, et al. Soc Sci Med 3:639-52, Apr 70
The social sciences in medical education.
WHO Chron 24:478-81, Oct 70
[Social psychiatry] Strotzka H.
Evol Psychiatr (Paris) 35:841-9, Oct-Dec 70 (Fre)

EDUCATION

Success and failure among social scientists and health scientists at a technological university. Smithers AG, et al. Br J Educ Psychol 40:144-53, Jun 70
Aspects of social science education in health facilities. Cohen LM. Soc Sci Med 5:85-91, Feb 71
Issues and problems in the teaching of social science in health professional schools. New PK, et al.
Soc Sci Med 4:595-607, Dec 70
[Paradigms for teaching the social sciences in medical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

schools] Garcia JC.
Educ Med Salud 5:130-50, Apr-Jun 71 (Spa)

SOCIAL SECURITY (N3)

General physician services under eight national patterns. Roemer MI.
Am J Public Health 60:1893-9, Oct 70
Rehabilitation: a major objective of the social security disability program. Lunsford FL.
Arch Phys Med Rehabil 52:385-6, Aug 71
State benefits as a cause of unwillingness to work. Antebi RN. Br J Psychiatry 117:205-6, Aug 70
Aging and income security in the United States: thirty-five years after the Social Security Act. Gordon MS. Gerontologist 10:Suppl:23-31, Winter 70
The Social Security disability program. II. Medical evaluation of claims. Popick B.
J Occup Med 13:280-99, Jun 71
The social security disability program. I. Characteristics of the program. Popick B.
J Occup Med 13:227-31, May 71
The Social Security disability program. 3. Black lung benefits--an administrative case study. Popick B.
J Occup Med 13:334-8, Jul 71
Universal health insurance. Myers RJ.
J Okla State Med Assoc 63:269-75, Jun 70
Medical care research in the planning of social security in Finland. Kalimo E. Med Care 9:304-10, Jul-Aug 71
Proposals for a doctors' social security fund. Kudelka O. Med J Aust 1:716, 27 Mar 71
Submission to Royal Commission on Social Security. Kennedy WA. NZ Med J 73:375-7, Jun 71
[Administration of the National Health Insurance Fund. (Report of the Inspection Générale des Affaires Sociales)]
Sem Hop Paris 47:Suppl 10:183-6, 26 May 71
[The physician and certain problems of Social Security] Cohen L. Cah Med 11:1005-14, 10 Oct 70 (Fre)
[Social cures from the viewpoint of pension insurance] Wannenwetsch E.
Munch Med Wochenschr 113:364-74, 12 Mar 71 (Ger)
[Law on assistance and preventive measures in mental diseases] Winkler WT.
Nervenarzt 41:548-54, Nov 70 (Ger)
[Tumors in legal medicine and in social insurance] Marcialis B.
Arch De Vecchi Anat Patol 54:747-56, Apr 69 (Ita)
[The family physician in social security] Campanacci D.
G Clin Med 51:729-38, Sep 70 (Ita)
[Insurance for old age (economic assistence)] Lombardi-Comite R.
G Gerontol 17:1201-20, Dec 69 (Ita)
[Invalids under Social Security with nervous system diseases in a city population] Zieliński JJ, et al.
Neurol Neurochir Pol 4:529-36, Sep-Oct 70 (Pol)

SOCIAL SERVICE (I, N2)

see also related
COMMUNITY HEALTH SERVICES (N2)

Dilemmas in evaluation: implications for administrators of social action programs. Tripodi T, et al. Am J Orthopsychiatry 40:850-7, Oct 70
Attitude clusters in birth control counseling by social workers. Young RC, et al.
Am J Public Health 61:1832-9, Sep 71
The handicapped: who cares?
Br Med J 3:491-2, 28 Aug 71
Social work in a mixed group medical practice. Ghan L, et al. Can J Public Health 61:488-96, Nov-Dec 70
Senior advisory service for public housing tenants. Carey JW. Gerontologist 11:264-7, Autumn 71
Theoretical conceptions of institutional and community care of the aged. Lissitz S.
Gerontologist 10:298-304, Winter 70
Guidelines for older person volunteers. Sainer J, et al.
Gerontologist 11:201-4, Autumn 71
Great expectations. Paterson M.
Health Bull (Edinb) 28:14-6, Oct 70
Essentials of social work in a general hospital. Godin F, et al. Hosp Progr 52:76 passim, Apr 71
Hospital social work programs. Ginsberg LH.
Hospitals 44:59-61, 1 Nov 70
Social service staffing patterns. Harper BC.
Hospitals 44:53-5, 1 Dec 70
Social work and medical practice. Phillips B, et al.
Hospitals 45:76-9, 16 Feb 71
A hospital-nursing home alliance. Ryan O.
Hospitals 45:68-70, 1 Sep 71
Short-term group social service project for pregnant, indigent, unwed teenagers. Lau JA.
HSMHA Health Rep 86:168-72, Feb 71
The role of the social worker in family medicine training. Tanner LA, et al.
J Med Educ 45:859-65, Nov 70
Social work in general practice: the Derby scheme. Cooper B. Lancet 1:539-42, 13 Mar 71
Service to people in the 1970's. Lawrence RJ.
Med J Aust 2:1205-8, 19 Dec 70
A review of the activity of a social work student unit in the base service unit of WPIC--Community Mental Health Center. Wells RA.
Psychiatr Commun 13:29-34, 1971
Medical ethics and society. II. Professional co-workers. Johnston W. Public Health 85:33-6, Nov 70
Alcoholism treatment at the Salvation Army; a new men's social service center program. Judge JJ.
Q J Stud Alcohol 32:462-7, Jun 71
The intention of the Social Services Act. Farrer-Brown L. R Soc Health J 91:16-9, Jan-Feb 71
[Social work with the mentally retarded in relation to social reform] Thisted-Jensen E.
Nord Med 85:417, 1 Apr 71 (Dan)
[Maternity welfare services and health visiting] Norrelund N. Ugeskr Laeger 133:900-5, 7 May 71 (Dan)
[Reorganization of health and social services in Quebec] Castonguay C.
Can J Public Health 62:192-8, May-Jun 71 (Fre)
[The contribution of public health and social services to the development of the socialist society in the DDR] Schunke W.
Dtsch Stomatol 20:711-20, Sep 70 (Ger)
[Reflections on house calls] Brunnet R, et al.
Prax Kinderpsychol Kinderpsychiatr 19:293-6, Nov-Dec 70 (Ger)
[Individual social aid with children] Theopold G.
Prax Kinderpsychol Kinderpsychiatr 20:62-6, Feb-Mar 71 (Ger)
[Encounter of the aged and the young at the Institute table. A Social Service proposal] Salardi C.
G Gerontol 17:360-3, Apr 69 (Ita)
[Social service in the Ospedale Maggiore di Bologna] Sabena V, et al.
Nuovi Ann Ig Microbiol 21:290-305, May-Jun 70 (Ita)
[Social assistance in schools in the Emilia-Romagna region] Faggioli A, et al.
Riv Clin Pediatr 81:1360-3, Nov-Dec 68 (Ita)
[How do we organize the work with the most difficult youngsters?] Nyhus P.
Tidsskr Nor Laegeforen 91:346-9, 20 Feb 71 (Nor)
[Problems of old age]
Arch Belg Med Soc 28:630-83 contd, Nov-Dec 70 (Mul)

EDUCATION

The Maryland Program for Training Alcoholism Counselors. Augustus G.
Ann NY Acad Sci 178:58-60, 29 Mar 71
Social work education in alcoholism. Garvin C.
Ann NY Acad Sci 178:52-7, 29 Mar 71
The gap in social work education. Chester R, et al.
Ment Hyg 53:84-9, Jan 69
An OND for nurses? Harding B.
Nurs Times 67:807-8, 1 Jul 71
Social worker and general practitioner. An experiment in combined learning. Gang S, et al.
Practitioner 206:395-8, Mar 71

HISTORY

Jane Addams and the rescue fantasy. (Addams J). Browne WJ. Psychiatr Commun 13:13-8, 1970

MANPOWER

Factors affecting choice of and perseveration in social work with the aged. Mutschler P.
Gerontologist 11:231-41, Autumn 71 (47 ref.)
The new professionals practical aspects of the use of New Careerists in public service agencies. Willcox AF. Ment Hyg 54:347-56, Jul 70

SOCIAL SERVICE, PSYCHIATRIC (F3, I, N2)

A follow-up study of those who called a suicide prevention center. Wilkins J.
Am J Psychiatry 127:155-61, Aug 70
Interpersonal considerations and judgements in a day hospital. Ferguson RS, et al.
Br J Psychiatry 117:397-403, Oct 70
The physician's role as counselor: when, where and how to make referrals. Nash EM.
Clin Obstet Gynecol 13:764-83, Sep 70
Social group work in community mental health. Saul SR, et al. Hosp Community Psychiatry 21:234-5, Jul 70
The social worker's role in a community mental health program. Singer GL.
Hosp Community Psychiatry 22:246-7, Aug 71
Alcoholics and the sick role: assessments by social workers. Chalfant HP, et al.
J Health Soc Behav 12:66-72, Mar 71
Mental health and social action programs for children and youth in international perspective. David HP.
Ment Hyg 54:503-9, Oct 70
The nonprofessionalization of the war on mental illness. Marier DC. Ment Hyg 55:291-4, Jul 71
Community caretakers as mental health casefinders. Mueller J, et al. Ment Hyg 55:214-8, Apr 71
Mental health and the school social worker. Williams RB. Ment Hyg 52:582-6, Oct 68
A social worker's observations of runaways at an institution for the mentally retarded. Austin RC 3d.
Ment Retard 8:40-1, Dec 70
Parents with emotional problems. Buglass R.
Nurs Times 67:1000-1, 12 Aug 71
Mental health social workers in general practice. An experiment in collaboration. Brook A, et al.
Practitioner 206:386-91, Mar 71
Training clinical specialists for behavioral observation. Blumberg RW. Psychol Rep 28:568-70, Apr 71
Religious orientations of three samples of graduate students in clinical psychology, social work, and counseling and guidance. Willis J, et al.
Psychol Rep 26:623-30, Apr 70
[Activity and influence of the psychiatrist in in-patient homes of public social care] Strnad M.
Cesk Psychiatr 67:171-5, Jun 71 (Cze)
[Psychiatric consultation in Copenhagen's child- and youth welfare services. 5 years' experience] Lindeberg B.
Ugeskr Laeger 132:1845-8, 24 Sep 70 (Dan)
[Social service in an observation and treatment center for mentally retarded] Hoorneman EC.
Maandschr Kindergeneeskd 38:206-22, Oct 70 (Dut)
[On the establishment and development of a community psychiatric service] Hochmann J, et al.
Bull Inst Natl Sante Rech Med 25:327-33, Mar-Apr 70 (Fre)
[Practical experiences in social psychiatry] Schneider PB, et al.
Evol Psychiatr (Paris) 35:850-85, Oct-Dec 70 (Fre)
[Social psychiatry] Stotzka H, et al.
Evol Psychiatr (Paris) 35:841-96, Oct-Dec 70 (Fre)
[Social psychiatry and rehabilitation of patients with mental diseases] Sattes H.
Munch Med Wochenschr 113:146-8, 22 Jan 71 (13 ref.) (Ger)
[Nonprofessional work of students in a neurological hospital] Finzen A, et al.
Nervenarzt 41:397-400, Aug 70 (Ger)
[A trip to Gorizia. A glance at the social psychiatry of Italy] Ploeger A. Nervenarzt 42:438-40, Aug 71 (Ger)
[Law on assistance and preventive measures in mental diseases] Winkler WT.
Nervenarzt 41:548-54, Nov 70 (Ger)
[Institutional and social aspects of psychiatric assistance] Failla E.
G Psichiatr Neuropatol 97:3-29, 1969 (Ita)
[The team as an instrument of medical and social assistance to children] Nocciòli G.
Riv Clin Pediatr 81:1041-4, Nov-Dec 68 (Ita)
[Is casework psychotherapy?] Dedali E, et al.
Riv Sper Freniatr 94:1076-120, 31 Oct 70 (Ita)
[A social psychiatric evaluation of 732 after care patients] Stang J, et al.
Nord Psykiatr Tidsskr 24:191-207, 1970 (Nor)
[Psychiatry and the elderly] Borg E.
Tidsskr Nor Laegeforen 91:1548-50, 10 Aug 71 (Nor)

EDUCATION

The philosophy of in-service and continuing education. Cady LL. Ment Hyg 52:456-61, Jul 68
Meeting social work's challenge in community mental health. Evans PP, et al. Ment Hyg 55:295-7, Jul 71
[Education of the social assistant student by case discussion groups] Mathieu M.
Hyg Ment 60:1-11, Mar-Apr 71 (Fre)

HISTORY

Evolving social services in psychiatry. Siegel D, et al.
Mt Sinai J Med NY 38:185-97, Mar-Apr 71

MANPOWER

Theoretical orientation of mental health professionals as a function of professional discipline and length of experience. Shearn CR, et al.
Psychol Rep 28:230, Feb 71

UTILIZATION

Problems reported by parents of mentally retarded children--who helps? Justice RS, et al.
Am J Ment Defic 75:685-91, May 71

SOCIAL VALUES (F1)

Occupational prestige and its correlates as conceived by deaf, female vocational students. Duprez D.
Am Ann Deaf 116:408-12, Aug 71
Psychological conflict in Negro American language behavior: a case study. Hartman JJ.
Am J Orthopsychiatry 41:627-35, Jul 71
The young American expatriates in Canada: alienated or self-defined? Kline CL, et al.
Am J Orthopsychiatry 41:74-84, Jan 71
Psychiatry and the draft. Ollendorff RH, et al.
Am J Orthopsychiatry 41:85-90, Jan 71
Drugs and life in America. Tice LF.
Am J Pharm 143:35-7, Mar-Apr 71
Medical student radicals: conflict and resolution. Maxmen JS. Am J Psychiatry 127:1211-5, Mar 71
Patient values on an adolescent drug unit. Burke EL.
Am J Psychother 24:400-10, Jul 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Influence of community values on innovativeness. Flinn WL. Am J Sociol 75:983-91, May 70
On student unrest. Boardman DW. Ann Intern Med 74:454, Mar 71
Various approaches to understanding man at work. A perspective on contemporary managerial theory and practice. Levinson H. Arch Environ Health 22:612-8, May 71
When is Black beautiful? Coloured and white children's reactions to skin colour. Richardson SA, et al. Br J Educ Psychol 41:62-9, Feb 71
A cross-cultural investigation of Eysenck's hypothesis regarding the relationship between personality and antitudes. Mehryar AH. Br J Soc Clin Psychol 9:216-22, Sep 70
Values in deviancy theory and society. Taylor I, et al. Br J Sociol 21:362-74, Dec 70
Medical student unrest. Can Med Assoc J 104:824, 8 May 71
The influence of masculine, feminine, and neutral tasks on children's achievement behavior, expectancies of success, and attainment values. Stein AH, et al. Child Dev 42:195-207, Mar 71
Reflections on the dissent of contemporary youth. Erikson EH. Int J Psychoanal 51:11-22, 1970
Value orientation--a problem for nursing education. Godfrey J. Int Nurs Rev 18:167-80, 1971
Alienation of youth as reflected in the Hippie movement. Williams FS. J Am Acad Child Psychiatry 9:251-63, Apr 70
Drugs vs. reality. The choice is ours. Butts DC. J Fla Med Assoc 58:33-4, Apr 71
Rebels from principle. The philosophical roots of alienation. Pellegrino ED. J Kans Med Soc 72:115-9 passim, Mar 71
Life events and psychiatric impairment. Myers JK, et al. J Nerv Ment Dis 152:149-57, Mar 71
Influence of personal values on psychiatric judgment: a military example. Sullivan PR. J Nerv Ment Dis 152:193-8, Mar 71
Social norms and authoritarianism: a Turkish-American comparison. Kagitcibasi C. J Pers Soc Psychol 16:444-51, Nov 70
Sociopathy and serial learning of CVC combinations with high and low social content ratings. Sutker PB, et al. J Pers Soc Psychol 17:158-62, Feb 71
Social attitudes regarding aging as a disability. Harsanyi SL. J Rehabil 36:24-7, Nov-Dec 70
Ideology and personality in war-peace attitudes. Eckhardt W, et al. J Soc Psychol 81:105-16, Jun 70
Why give to strangers? Titmuss RM. Lancet 1:123-5, 16 Jan 71
The structure of psychiatric influence. Bittner E. Ment Hyg 52:423-30, Jul 68
Racism, the family, and society: a crisis in values. Eisenberg L. Ment Hyg 52:512-20, Oct 68
Social values and the elderly. Kalish RA. Ment Hyg 55:51-4, Jan 71
Goals for quality must be based on values derived from changing society. Elliott FN. Mod Hosp 117:107-10, Aug 71
Social values and research in human embryology. Edwards RG, et al. Nature (Lond) 231:87-91, 14 May 71
The biologist's dilemmas. Nature (Lond) 228:900-1, 5 Dec 70
A stereotype--or an individual? Deutsch EB. Nurs Outlook 19:106-8, Feb 71
Social responsibility and the scientist in modern western society. Chain EB. Perspect Biol Med 14:347-69, Spring 71
Value judgments and judgments about values: a reply to Sawyer. Crawford TJ. Psychiatry 34:99-102, Feb 71
Parties and cultural values: a kibbutz example. Rabkin LY. Psychiatry 33:482-93, Nov 70
Relationship between professed values and emotional adjustment of college students. Katkin S, et al. Psychol Rep 28:523-8, Apr 71
Positive mental health of workers as related to memory optimism, work competency and personified values. Meltzer H, et al. Psychol Rep 28:223-9, Feb 71
Multivariate analysis of attitudes and personality characteristics among 60 youthful offenders. White WF, et al. Psychol Rep 26:487-91, Apr 70
J.C.T.: environmen scapegoat. Royr, et al. Science 171:128, 15 Jan 71
Value profiles, value-role-taking, and health. Eshleman RF. Soc Sci Med 4:113-30, Jul 70

SOCIAL WELFARE (I)

The emergence of community development corporations in urban neighborhoods. Brower M. Am J Orthopsychiatry 41:846-58, Jul 71
Job Corps patients: the impact of psychiatric care. Morgenstern AL, et al. Am J Psychiatry 127:1024-31, Feb 71
The Mexican American syndrome. Aranda RG. Am J Public Health 61:104-9, Jan 71
Intersystems relations and coordination of human service organizations. Baker F, et al. Am J Public Health 61:130-7, Jan 71
Professionalism and guildism in health manpower. Levin T. Bull NY Acad Med 47:382-92, Apr 71
The Canadian Council on Social Development (formerly the Canadian Welfare Council). Baetz RC. Can J Public Health 62:236-8, May-Jun 71
What's wrong with health care in America? Clin Pediatr (Phila) 10:9-10, Jan 71
National goals and priorities in the social welfare of the aging. Jackson HC. Gerontologist 11:88-94, Spring 71
Society's response to the problems of the aged. McKeogh TK. Hosp Progr 52:58-9, Apr 71
"Health care delivery changes in the 70s". Today's health care delivery is sick. Egeberg RO. Ill Med J 139:53-5, Jan 71
Nutritive values of foods distributed under USDA food assistance programs. Feeley RM, et al. J Am Diet Assoc 57:528-47, Dec 70
Our child feeding overseas. Levinson FJ. J Am Diet Assoc 57:503-8, Dec 70
One year later. Mayer J. J Am Diet Assoc 58:300-2, Apr 71
Welfare: past, present, future. Wilkens IW. J Indiana State Med Assoc 64:860-4, Aug 71
Social demands upon health care delivery. Lee PR. J Med Educ 45:61-8, Nov 70
The response of the university medical center to social demands. Weinerman ER. J Med Educ 45:69-78, Nov 70
Social demands: viewpoints of the discussion groups. J Med Educ 45:79-88, Nov 70
Social cost of a tax cut. Lancet 2:969, 7 Nov 70
Aid for developing countries. Med J Aust 2:390, 29 Aug 70
On helping the disadvantaged. Chapman JE. Ment Hyg 54:589-90, Oct 70
Poor actors. Harshbarger D. Ment Hyg 52:521-3, Oct 68
Role of state in care of mentally disabled. Pepper B. NY State J Med 71:1238-42, 1 Jun 71
Perception of disability by welfare and rehabilitation clients. Walls RT, et al. Percept Mot Skills 31:793-4, Dec 70
The role of industry in national science policy. The people's welfare: health and medicine. Tishler M. Perspect Biol Med 13:528-36, Summer 70
Penny wise? Public Health 85:51-3, Jan 71
The Abortion Act 1967. (b). The social aspects. Cogan NM. R Soc Health J 90:295-8, Nov-Dec 70
Social problems. Macindoe K. Rheumatol Phys Med 10:435-7, Nov 70
Health care: what the poor people didn't get from Kentucky project. Bazell RJ. Science 172:458-60, 30 Apr 71
Health insurance as an income redistribution. Vuori H. Soc Sci Med 4:401-6, Nov 70
[Social and health care in Sweden] Znamenáček K. Cesk Pediatr 25:512-7, Oct 70 (Cze)
[Report of the Social Welfare General Inspectorate. 2. Preventive medicine and health examinations] Presse Med 79:885-6, 17 Apr 71 (Fre)
[Tuberculosis welfare] Dtsch Med Wochenschr 96:181-3, 22 Jan 71 (Ger)
[Economic care of cancer patients in the German Federal Republic] Orda KH. Osterr Z Erforsch Bekaempf Krebskr 26:153-69, 1971 (Ger)
[Contribution of the health and social welfare in the development of the socialistic human society in GDR] Schunke W. Pharm Prax 10:217-21, Oct 70 (Ger)
[Inquiry on the living conditions of geriatric patients] Bolland G, et al. Z Alternsforsch 23:305-9, 1971 (Ger)
[The State and medico-social services] Salvati A. Minerva Med Suppl 26:7-10, Mar 70 (Ita)
[Psychosomatic medicine and social medicine] Novaro A. Rass Int Clin Ter 49:766-76, 30 Jun 69 (Ita)

CLASSIFICATION

[Public health system in the future. Health and free action in the center] Pedersen BS. Ugeskr Laeger 132:2207-11, 12 Nov 70 (Dan)

HISTORY

Anna O--a study of her later life. (Pappenheim B), Jensen EM. Psychoanal Q 39:269-93, 1970

SOCIALISM (I)

Women in the kibbutz. Gerson M. Am J Orthopsychiatry 41:566-73, Jul 71
A comparison study: the epidemiological method as applied to the socialist and the contemporary concepts of alienation. McCardle ES. Psychiatr Commun 13:21-7, 1971
[Special schools within the orthopedics program in relation to legislation for the consolidated socialistic educational system] Schmiel H. Beitr Orthop Traumatol 16:38-45, Jan 69 (Ger)
[Evaluation and implementation of Party and government decisions at the Kurt Neubert Engineer School of Veterinary Medicine, Beichlingen] Günther M, et al. Monatsh Vet Med 26:344-7, 1 May 71 (Ger)
[Integration of the veterinary profession in the poultry industry] Heider G. Monatsh Vet Med 25:473-6, 15 Jun 70 (Ger)
[Significance of information and analysis in the management of the veterinary profession] Heinicke W. Monatsh Vet Med 25:455-61, 15 Jun 70 (Ger)
[The Socialist Unity Party of Germany--25 years of progress in the veterinary profession of the Potsdam area] Kalbe P, et al. Monatsh Vet Med 26:330-4, 1 May 71 (Ger)
[Significance of labor economics for the development of the personnel structure of the veterinary profession in socialist agriculture] Lötsch D, et al. Monatsh Vet Med 25:450-5, 15 Jun 70 (Ger)
[Hiroshima--reminder and obligation. Responsibilities of veterinary medicine in the peaceful use of nuclear energy and isotope techniques] Mehlhorn G. Monatsh Vet Med 25:609-15, 15 Aug 70 (Ger)
[Animal production and performance in the socialist agriculture of the German Democratic Republic from the standpoint of performance physiology of agricultural livestock] Mielke H, et al. Monatsh Vet Med 25:889-97, 1 Dec 70 (Ger)
[Unified system of accounting and statistics in the veterinary profession] Richter W, et al. Monatsh Vet Med 25:466-9, 15 Jun 70 (Ger)
[Economic conditions for veterinary performance under socialist production parameters] Schulze D. Monatsh Vet Med 25:461-6, 15 Jun 70 (Ger)
[Socialist competition at the Institute of Veterinary Science, Neubrandenburg--an important measure of leadership] Uecker E, et al. Monatsh Vet Med 26:335-8, 1 May 71 (Ger)
[The Socialist Unity Party of Germany and the development of the veterinary profession in the German Democratic Republic. An observation on the 25th anniversary of the unification of the Communist Party of Germany and the Social Democratic Party of Germany to form the Socialist Unity Party of Germany] Wernicke R, et al. Monatsh Vet Med 26:323-30, 1 May 71 (Ger)
[Development of socialist competition at the Institute of Veterinary Science of the Rostock area] Wolter R, et al. Monatsh Vet Med 26:338-40, 1 May 71 (Ger)
[Unity of production and hygiene] Burckhardt A. Z Gesamte Hyg 14:797-803, Nov 68 (Ger)
[The historic development of the Permanent Committee of Rehabilitation Experts of the Socialist Countries] Renker K. Z Gesamte Hyg 17:117-21, Feb 71 (Ger)
[50th anniversary of nationalization of pharmacies (based on recollections and documents)] Levinshtein II. Farmatsiia 17:5-9, May-Jun 68 (Rus)

HISTORY

[Sociohygienic problems in the works of F. Engels] (Engels F), Petrov BD. Gig Sanit 35:3-7, Nov 70 (Rus)
[Great thinker and revolutionary (on the 150th anniversary of the birth of Friedrich Engels)] (Engels F), Voen Med Zh 11:3-7, Nov 70 (Rus)
[F. Engelson on the state of the working class and modern times (on the 150th anniversary of the birth of F. Engels)] (Engels F), Chikin SIa. Zdravookhr Ross Fed 14:3-8, Oct 70 (Rus)

SOCIALIZATION (I)

see also related
CHILD REARING (F1)
PARENT-CHILD RELATIONS (F1)
PERSONALITY DEVELOPMENT (F1)

Behavioral competence and social and emotional behavior in mental retardates. Gardner JM, et al. Am J Ment Defic 75:168-9, Sep 70
Interrupting long-term patienthood: a cohort study. From the comfort of shelter to a taste for life? Hansell N, et al. Arch Gen Psychiatry 24:238-43, Mar 71
Cognitive and affective aspects of children's national attitudes. Middleton MR, et al. Br J Soc Clin Psychol 9:122-34, Jun 70
Scoring high on an index of social maturity. Gough HG. J Abnorm Psychol 77:236-41, Jun 71
Relationship of familial and social factors to socialization in middle-class college students. Megargee EI, et al. J Abnorm Psychol 77:76-89, Feb 71
Culture conflict in the treatment of "mental illness" and the central role of patient leader. Fontana AF, et al. J Consult Clin Psychol 34:244-9, Apr 70
Weber in the classroom. Gordon LV. J Educ Psychol 62:80-6, Feb 71
A study of differential socialization for members of one professional occupation. Aiutto JA, et al. J Health Soc Behav 12:140-7, Jun 71
Psychophysiology and development of social attachment. Lynch JJ. J Nerv Ment Dis 151:231-44, Oct 70 (60 ref.)
Psychological distance, future time perspective, and internal-external expectancy. Tolor A, et al. J Proj Tech Pers Assess 34:283-94, Aug 70
A situational approach. Campbell JL, et al. J Rehabil 37:11-3, Jul-Aug 71
Household density and infant care in an East African society. Munroe RH, et al. J Soc Psychol 83:3-13, Feb 71
Reaching the deaf: report of an in-hospital group. Geller RE. Ment Hyg 54:388-92, Jul 70
Patients helping patients. Hawxhurst D, et al. Ment Hyg 54:370-3, Jul 70
Children's favorable attitudes toward their

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sociocultural environment. Zeligs R.
Ment Hyg 52:374-80, Jul 68
Social intelligence and the institutionalized adolescent retardate. The influence of the informal social system. Forman M. Ment Retard 8:12-6, Apr 70
Adolescents and some of their social problems, including parenthood. Oberst BB.
Nebr State Med J 55:534-7, Sep 70
The confrontations of youth and intergenerational relations. Lippitt R.
Proc Am Psychopathol Assoc 59:108-17, 1970
Children in restricted environments. O'Connor N.
Psychiatr Neurol Neurochir 74:71-7, Jan-Feb 71
Vietnamese maturation: the lost land of bliss. Forrest DV. Psychiatry 34:111-39, May '71
Social and cultural factors associated with asthmatic symptoms in children. Nathanson CA, et al.
Soc Sci Med 4:293-306, Sep 70
Role discontinuity and resocialisation of the psychiatric patient. Wolkon GH.
Soc Sci Med 3:879-87, Apr 70
Socialization and religiosity: a cross-national analysis of catholic adolescents. Weigert AJ, et al.
Sociometry 33:305-26, Sep 70
[The practice of the Swedish penal system] Preissler HP. Nervenarzt 41:371-80, Aug 70 (Ger)
[Relevant social symptoms of the animal-human transitional area] Steinbacher F.
Stud Gen (Berl) 20:161-6, 1967 (Ger)
[The importance of the mother-child relation in the first year of life for the socialization process] Nicola P, et al. Riv Clin Pediatr 81:1134-6, Nov-Dec 68 (Ita)
[Role of sociotherapy and amateur acting in the present challenging conditions characteristic of psychiatry and psychiatric institutions] Motta E.
Riv Sper Freniatr 94:796-800, 30 Jun 70 (Ita)
[Significance of military social environment from the viewpoint of a positive socialization of personality] Jovićević M. Vojnosanit Pregl 28:133-6, Mar 71 (Cro)

SOCIALIZED DENTISTRY see STATE DENTISTRY

(N3)

SOCIALIZED MEDICINE see STATE MEDICINE

(N3)

SOCIETIES (N3)

see also related
LIBRARY ASSOCIATIONS (I, L)

Message from the president. Hodges A.
Am Correct Ther J 25:90-1, May-Jun 71
The World Federation of Occupational Therapists.
Am J Occup Ther 25:183-5, Apr 71
The role of a professional association. Fisher EJ.
Am J Optom 48:426-30, May 71
American Academy of Optometry. Geographical directory of members United States, Canada, Mexico and overseas. Am J Optom 48:162-96, Feb 71
Unionism versus the professional association in pharmacy. Vogt DD, et al.
Am J Pharm 142:95-102, Mar-Apr 70
The hidden enemies of health and the American Public Health Association. Cornely PB.
Am J Public Health 61:7-18, Jan 71
Political resolutions? MacLeod KI.
Am J Public Health 61:1748-9, Sep 71
Professionalism and guildism in health manpower. Levin T. Bull NY Acad Med 47:382-92, Apr 71
Canadian Society of Laboratory Technologists. New members and certified members registered in 1970.
Can J Med Technol 32:225-39, Dec 70
The Royal Humane Society. C-Charlton RW.
Community Health (Bristol) 2:61-4, Sep-Oct 70
Statement for the American Optometric Association. Before Committee on Ways & Means, House of Representatives. McCrary VE.
Eye Ear Nose Throat Mon 49:62-9, Feb 70
The President's inaugural address. Hahn JA.
Hospitals 45:53-8, 16 Feb 71
State hospital associations. Sanford GA.
Hospitals 44:41-2, 16 Oct 70
AHA membership. Hospitals 45:Suppl 2:255-38, 1 Aug 71
Four years' presidency: a personal view. Leeuw PJ van der. Int J Psychoanal 51:49-54, 1970
Position paper on recommended salaries and employment practices for members of the American Dietetic Association. J Am Diet Assoc 58:41-2, Jan 71
Report of the president. Wolfberg MD.
J Am Optom Assoc 41:702-6, Aug-Sep 70
Directory of members of the Society for Personality Assessment as of April 1, 1971.
J Pers Assess 35:179-200, Apr 71
A society for schizophrenia. Carstairs GM, et al.
Lancet 2:937, 31 Oct 70
What besides big is the medical care section? Cornely PB. Med Care 9:101-7, Mar-Apr 71
The American Association on Mental Deficiency--the authoritative voice on mental retardation. Gamble R.
Ment Retard 1:40, Apr 71
The Allied Retired Medicals Group of Greater Miami. Serben R. NY J Dent 40:366-7, Dec 70
The Royal Society of Health.
Occup Health Nurs (NY) 19:24, Jan 71
What is N.A.P.S.? Kurrein S.
Physiotherapy 56:366-7, Aug 70
Some pitfalls in public relations. Young PH.
Physiotherapy 57:227, May 71
Medical collections at the American Antiquarian Society. McCorison MA.
RI Med J 54:213-4 passim, Apr 71
Contributions of the Frensham group. Weiss PA.
Stud Gen (Berl) 23:905-8, 1970
List of members of the Association of Life Insurance Medical Directors.
Trans Assoc Life Ins Med Dir Am 54:300-45, 1971
[5th Internaitional Medical Congress FIR (Federation Internationale de Résistantes) in Paris] Láznička M.
Cas Lek Cesk 109:1131-2, Nov 70 (Cse)
[Colostomy and ileostomy association in Quebec] Dionne L. Laval Med 42:302-3, Mar 71 (Fre)
[Programmed future of dermatology in the Federal Republic] Götz H, et al. Hautarzt 22:80-1, Feb 71 (Ger)
[Help for cured cancer patients] Schweisheimer W.
Med Klin 66:366-7, 5 Mar 71 (Ger)
[Recommendations of the Swiss Society for Family Planning concerning ovulation inhibitors] Hauser GA, et al. Ther Umsch 27:631-3, Oct 70 (Ger)
[The Patronage and its care of prisoners] Nowodworska I, et al. Przegl Lek 27:37-42, 1971 (Pol)

HISTORY

The plans and purposes of the American Public Health Association. Frankel LK.
Am J Public Health 61:1443-4, Jul 71
The early M.S.R. examination. Kirby JR.
Radiography 36:287-90, Dec 70

SOCIETIES, DENTAL (N3)

Editorial. Personal involvement in a self-governing specialty. Dewel BF. Am J Orthod 59:405-6, Apr 71
Editorial. Potential Association policies for constituent and component societies. Dewel BF.
Am J Orthod 59:193-4, Feb 71
Editorial. Orthodontic issues as seen by constituent society presidents. 1. Dewel BF.
Am J Orthod 59:189-92, Feb 71
Editorial. AAO upholds old policies and solves new challenges. Dewel BF. Am J Orthod 60:79-82, Jul 71
Orthodontists installed as CDS president and president-elect at Canadian meeting. (Spence WJ),
Am J Orthod 58:625-6, Dec 70
Association awards presented to Frank P. Bowyer, J.A. Salzmann, and James E. Brophy. (Bowyer FP), (Salzmann JA), (Brophy JE),
Am J Orthod 60:290-300, Sep 71
Dr. Salzmann honored by the American Association of Orthodontists. (Salzmann JA), Ann Dent 30:38-40, 1971
President's address at the opening of the thirty-second session of the General Dental council. Bradlaw R.
Br Dent J 129:521-2, 1 Dec 70
Valedictory address. Cooke C.
Br Dent J 130:512-3, 15 Jun 71
Professional society membership. Bernstein AH.
Hospitals 45:110-2 passim, 1 Mar 71
The college in transition. Bowyer FP.
J Am Coll Dent 38:60-6, Jan 71
Editorial. Anniversary appreciation. (Swanson HA), (Carey JA), Kaplan RI. J Am Coll Dent 38:12-3, Jan 71
The Treasurer of the College. (Pierson FA),
J Am Coll Dent 38:75-7, Apr 71
Historian of the college. (Huxtable HS),
J Am Coll Dent 38:140-1, Jul 71
FDI meeting in Munich. J Am Dent Assoc 82:750, Apr 71
Office of Student Affairs serves new student association. Report on Office of Student Affairs.
J Am Dent Assoc 83:175-6, Jul 71
Reviewing Dental Society Review. Council on Dental Care Programs. J Am Dent Assoc 83:41 passim, Jul 71
Survey of drug usage in dental practice, 1969. II. Narcotics registry; courses taken relating to drug therapy; professional society meetings attended. Bureau of Economic Research and Statistics.
J Am Dent Assoc 81:1402-4, Dec 70
Editorial. Regional conferences as a communications medium for dentists. J Am Dent Assoc 81:1061, Nov 70
Reaching out to make dental health more accessible: guidelines for dental societies in cooperating with consumers. Council on Dental Health.
J Am Dent Assoc 83:651-2, Sep 71
Students probe. Licensure, education and association benefits. J Can Dent Assoc 37:7-9, Jan 71
Editorial. A new format for the Board of Governors.
J Can Dent Assoc 37:161, May 71
Continuing education as a prerequisite for relicensure and-or society membership. Parris L.
J Dent Educ 35:434-5, Jul 71
Addendum to the Biographical Directory of Members of the International Association for Dental Research.
J Dent Res 50:Suppl 50:1-48, Mar 71
ASOS approves guidelines for general anesthesia in office. J Oral Surg 29:303, Apr 71
Presidential address. The American Academy of Periodontology, Montreal, Quebec, Canada September 16, 1970. Ratcliff PA.
J Periodontol 42:184-6, Mar 71
Robert Gottsegen, D.D.S., New York, New York, President of the American Academy of Periodontology--1971. (Gottsegen R),
J Periodontol 42:2, Jan 71
American Board of Prosthodontics. Lytle RB.
J Prosthet Dent 24:675-92, Dec 70
The dental health section of the American Public Health Association; its principles, objectives and policies. J Public Health Dent 26:338-45, 1966
Commentary of electoral methods that may be used for election of committees of professional associations. Grigg KN. Med J Aust 2:422-3, 29 Aug 70
International Society of Maxillo-facial Surgery. Constitution and By-Laws.
Minerva Stomatol 19:447-8, Nov 70
Editorial. Welcome to the new baby, American Student Dental Association. Fennelly WA.
NY J Dent 41:199, Jun-Jul 71
Informing the delegate. Gruber IE.
NY State Dent J 37:285-8, May 71
Freedom--responsibility. Walsh J.
NZ Dent J 66:310-3, Oct 70
Editorial. Heraldry and the Association.
NZ Dent J 66:208-13, Jul 70
[Editorial. 55 dollars for the Journal?]
J Can Dent Assoc 37:2, Jan 71 (Fre)
[A representative intercontinental scientific association. (The international group for scientific research in stomatology (G.I.R.S.), Brussel)] Lepp FH. Dtsch Zahnaerztl Z 26:931-3, Sep 71 (Ger)
[Which national and international boards are working on dental standards?] Viohl J.
Dtsch Zahnaerztl Z 25:854-8, Aug 70 (Ger)
[Report on the annual main meeting of the German Society of Tooth, Mouth and Jaw Medicine on 12 September, 1970 in the performance-room of the congress-hall in Berlin]
Dtsch Zahnaerztl Z 26:430-8, Mar 71 (Ger)
[Meeting of the dentists of the world. Some thoughts about the international cooperation on the occasion of the 59th annual congress of the FDI in München] Braun R. Zahnaerztl Mitt 61:562-5, 11 Jun 71 (Ger)
[The echo of the congress in München] Hartlmaier KM.
Zahnaerztl Mitt 61:788-92, 16 Aug 71 (Ger)
[Our public relations today and in the future. II. On new ways] Hartlmaier KM.
Zahnaerztl Mitt 61:597-602, 11 Jun 71 (Ger)
[In the foreground was the ergonomics. 18th International Dental-Show 1971 in München] Kimmel K. Zahnaerztl Mitt 61:737-41 contd, 1 Aug 71 (Ger)
[From ultrasonic and radiotelemetry to sugar and transplantation. Science at the congress in München] Michel G.
Zahnaerztl Mitt 61:793-8 concl, 16 Aug 71 (Ger)
[From ultrasonic and radiotelemetry to sugar and transplantation. Science at the congress in München] Michel G.
Zahnaerztl Mitt 61:731-7 contd, 1 Aug 71 (Ger)
[17th Spring Meeting of the General Dental Council Westfalen-Lippe in Bad Salzuflen] Schmidt H.
Zahnaerztl Mitt 61:772-4, 1 Aug 71 (Ger)
[The Scientific Annual Meeting of the German Society of Orthodontology. Facial bones and dentition] Schwarze CW, et al.
Zahnaerztl Mitt 61:751-3, 1 Aug 71 (Ger)
[Light and shadow of dentistry in the Federal Republic. Dentists of the world discuss their problems] Veigel H. Zahnaerztl Mitt 61:555-61, 11 Jun 71 (Ger)
[BDZ- representation and safeguard?] Veigel H.
Zahnaerztl Mitt 61:843-51, 1 Sep 71 (Ger)
[Mexico--America's fascinating dreamland. There 1972 takes place the XVth World Dentist's Congress] Zahnaerztl Mitt 61:615-8, 11 Jun 71 (Ger)
[An official comment of the French Académie Dentaire on endoosseous implantations]
Dent Cadmos 39:917-22, 1971 (Ita)
[Round table conference: future course for the Journal of the Japan Dental Association]
J Jap Dent Assoc 23:1120-31, 1971 (Jap)
[Round table conference: Japan and the FDI (Fédération Dentaire Internationale)--participating in the 58th Congress of the FDI]
J Jap Dent Assoc 23:1006-16, Jan 71 (Jap)
[The significance of the Section of Pedodontics of the Polish Stomatological Society as a scientific organization] Dominik K.
Czas Stomatol 24:663-4, Jun 71 (Pol)
[Problems of organization and technical advances discussed during the 58th Scientific Session of Dental Federation of FDI in Bucharest] Stawiński K.
Czas Stomatol 24:845-9, Aug 71 (Pol)
[ARPA Portugal] Magalhães A de.
Rev Port Estomatol Cir Maxilofac 11:249-51, Jan-Jun 70 (Por)
[New organization of the Odontological Society] Engström A.
Odontol Foren Tidskr 34:229-33, 1970 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

HISTORY

Beacon light for fifty years. Swanson HA.
J Am Coll Dent 38:14-20, Jan 71
President Otto W. Brandhorst. (Brandhorst OW),
J Am Coll Dent 38:7-10, Jan 71
Editorial. The vision of Sam Harris. (Harris S),
Teuscher GW. J Dent Child 37:447, Nov-Dec 70
The Federation of Prosthodontic Organizations: The voice of prosthodontics. Block LS, et al.
J Prosthet Dent 25:684-91, Jun 71

SOCIETIES, MEDICAL (N3)

Proceedings of the New England Ophthalmological Society. Reinecke RD.
Am J Ophthalmol 70:642-4, Oct 70
The first congress of the Society for Regional Ophthalmology. Am J Ophthalmol 70:644-5, Oct 70
The Action Board. Report of the Chairman to the Governing Council, 1970. Breslow L.
Am J Public Health 61:176, Jan 71
Reports of committees of the APHA, 1970.
Am J Public Health 61:399-400, Feb 71
Report of the Chairman of the Executive Board of the American Public Health Association to the Governing Council, 1970. Am J Public Health 61:162-8, Jan 71
The Technical Development Board. Report of the Chairman to the Governing Council, 1970.
Am J Public Health 61:169-75, Jan 71
The American Journal of Roentgenology Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:201, May 71
The American Journal of Roentgenology, Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:411, Jun 71
Directories of American Roentgen Ray Society and American Radium Society.
Am J Roentgenol Radium Ther Nucl Med 110:417, Oct 70
The American Journal of Roentgenology Radium Therapy and Nuclear Medicine.
Am J Roentgenol Radium Ther Nucl Med 112:818, Aug 71
The exciting challenges (vistas): clinical and philosophical. Hardy JD. Am J Surg 121:3-12, Jan 71
1971 membership roster of the American Association of Certified Orthoptists. Am Orthopt J 21:158-79, 1971
The association of professors of medicine. Petersdorf RG. Ann Intern Med 75:463-5, Sep 71
The department of surgical sciences. Brock.
Ann R Coll Surg Engl 47:344-50, Dec 70
Involvement: today's challenge to ASHA. Presidential address--1970 National Convention. Kleffner F.
ASHA 13:359-62, Jun 71
A sampling of official policy positions of health care professions and agencies on social, political, and moral concerns. Shields D. ASHA 13:350-8, Jun 71
The arms of the colleges of surgeons. 3. Edinburgh, obstetricians and gynaecologists, South Africa, Canada, America. Jones PG.
Aust NZ J Surg 40:321-6, May 71
An Association for Medical Education in Europe.
Br J Med Educ 5:90-1, Jun 71
Industrial Relations Bill. Br Med J 1:126-7, 16 Jan 71
The Royal Medical Society of Edinburgh: sale of its library at Sotheby's. Crawford H.
Bull Med Libr Assoc 58:531-47, Oct 70
CMA's certificate in continuing medical education. Kaye RL. Calif Med 112:74-5, Feb 70
CMA and the medical schools. Calif Med 114:31-2, Jan 71
Hara-kiri and its consequences.
Calif Med 114:44-5, Jun 71
Eligibility of general practitioners as continuing members of the Canadian Anesthetists' Society. Noble AB. Can Anaesth Soc J 18:342, May 71
Congress of Neurological Surgeons, Inc. Membership roster. Clin Neurosurg 17:376-402, 1969
Those who serve us. Bishoff RJ. Del Med J 42:389, Dec 70
The demise of the DAGP. Walters DT.
Del Med J 43:81, Mar 71
Statement for the American Association of Ophthalmology. Before Committee on Ways & Means, House of Representatives. Jaeckle CE.
Eye Ear Nose Throat Mon 49:58-60, Feb 70
The Society for Gynecologic Investigation. Page EW.
Gynecol Invest 1:179-81, 1970
CAP's quality assurance service. Reals WJ.
Hosp Progr 52:34 passim, Feb 71
Professional society membership. Bernstein AH.
Hospitals 45:110-2 passim, 1 Mar 71
Physicians + organized medicine = action. Fruin LT.
Ill Med J 140:113, Aug 71
A profile of group psychotherapy practice among A.G.P.A. members. Fidler JW, et al.
Int J Group Psychother 21:34-43, Jan 71
International Leprosy Association.
Int J Lepr 38:462-75, Oct-Dec 70
The private practice of child psychiatry by members of the American Academy of Child Psychiatry. Spurlock J, et al. J Am Acad Child Psychiatry 10:53-64, Jan 71
Cain and Abel. Magen MS.
J Am Osteopath Assoc 70:982-9, May 71
Convention corridors.
J Am Osteopath Assoc 70:312-3, Dec 70
An AOA position statement.
J Am Osteopath Assoc 70:102-4, Oct 70
Association of Clinical Pathologists. Badge of the President. Ashton N. J Clin Pathol 24:366, May 71
New challenges for the medical graduate. Angrist A.
J Fla Med Assoc 58:52-3, Sep 71
Politics and medicine. Gutman PE.
J Fla Med Assoc 57:36-7, Nov 70
Ad Hoc committee on drug abuse. Johnson RP.
J Fla Med Assoc 58:21-2, Apr 71
To orient or not to orient--that is the question. Acher RP. J Indiana State Med Assoc 63:1317-8, Nov 70
Inaugural remarks. Physicians must be alert, flexible. O'Brien LJ. J Iowa Med Soc 61:386-8, Jul 71
President's address. Medical care at a critical threshold. Sunderbruch JH.
J Iowa Med Soc 61:383-5, Jul 71
A Hoosier success. J Iowa Med Soc 60:775, Nov 70
A report on the Commonwealth Medical Association. Kuala Lumpur and Singapore August 1970. Mulcahy R.
J Ir Med Assoc 64:1-2, 7 Jan 71
I.M.A. Maternal Mortality Committee. Report for 1969.
J Ir Med Assoc 63:428-32, Dec 70
W. Charles Miller, MD., President 1970-1971. (Miller WC), J La State Med Soc 123:149-50, Apr 71
Roster. Louisiana State Medical Society.
J La State Med Soc 122:1-85, Aug 70
Paramedical personnel questionnaire. Results of 1970 study. Hallett GW. J Maine Med Assoc 62:10-1, Jan 71
Maine Medical Association. Official roster.
J Maine Med Assoc 62:Suppl:1-15, Jan 71
The responsibilities of a County Medical Society President. Galloway RF.
J Med Assoc Ga 59:392-4, Oct 70
The individual member, the County Socity, andthe Medical Association of Georgia. Rogers HL.
J Med Assoc Ga 59:452-4, Dec 70
The Medical Association of Georgia. 1970 yearbook.
J Med Assoc Ga Suppl 1-34, Aug 70
Alphabetical roster of the Medical Association of Georgia. J Med Assoc Ga 60:Suppl:16, Aug 71
The academic medical centers and the nation's health. Cooper JA. J Med Educ 46:630-1, Jul 71
Educational characteristics of members of the National Medical Association. Schwarz GE.
J Med Educ 46:599-604, Jul 71
Address of the president. Brumby PB.
J Miss State Med Assoc 12:351-4, Jul 71
The N.M.A. from the terrace of 75 years. President's inaugural address. Armstrong WT.
J Nati Med Assoc 62:416-20, Nov 70
The 75th anniversary of the National Medical Association. Bornemeier WC.
J Nati Med Assoc 62:411-2, Nov 70
Through stormy waters under full sail. Address of the retiring president. Hill JW.
J Nati Med Assoc 62:413-5, Nov 70
The president-Elect of the National Medical Association, Dr. Emerson Coleman Walden. (Walden EC), J Nati Med Assoc 62:457-8, Nov 70
Forward together. Truett HW Jr.
J Okla State Med Assoc 63:209-12, May 70
Report of a conference on examination methods. Duncan AS. J R Coll Gen Pract 17:112-7, Feb 69
The Research Advisory Service 1963-1967.
J R Coll Gen Pract 17:119-24, Feb 69
The impact of AMPAC. Nelson JT.
J Tenn Med Assoc 64:418-22, May 71
The changes in the name and status of The Board of Thoracic Surgery. Paulson DL.
J Thorac Cardiovasc Surg 61:330-2, Feb 71
University Association for Emergency Medical Services. Charter meeting. Opening remarks. Frey CF. J Trauma 11:541-3, Jul 71
The American Urological Association and medical care crisis. Jaffar DJ. J Urol 104:489-93, Oct 70
Automotive medicine. Huelke D.
JAMA 215:985, 8 Feb 71
Elections to Council of the Royal College of Surgeons. Anscombe AR. Lancet 2:1133-4, 28 Nov 70
Examination for the M.R.C.Psych. Cuthbert M.
Lancet 2:657, 18 Sep 71
Electionto CUNCL OF THE Royal College of Surgeons. Roberts M. Lancet 2:1259, 12 Dec 70
B.M.A. and G.M.C. Lancet 1:536, 13 Mar 71
Directory of otolaryngologic societies.
Laryngoscope 81:332-43, Feb 71
Directory of otolaryngologic societies.
Laryngoscope 81:606-17, Apr 71
Directory of Otolaryngologic societies. (Secretaries of the various societies are requested to keep this information up to date).
Laryngoscope 80:1443-54, Sep 70
Directory of otolaryngologic societies.
Laryngoscope 81:1364-74, Aug 71
Directory of otolaryngologic societies.
Laryngoscope 81:992-1001, Jun 71
Directory of Otolaryngologic Societies.
Laryngoscope 81:166-77, Jan 71
A medical dinner with complications. Addison PL.
Med J Aust 1:441-2, 20 Feb 71
An address. Black HD. Med J Aust 2:301-3, 15 Aug 70
The Oslo assembly of the World Medical Association.
Med J Aust 2:483-4, 12 Sep 70
Award of the A.M.A.'s gold medal to Dr. R.H. Macdonald. (Macdonald RH),
Med J Aust 1:1254, 12 Jun 71
Ten years of the Malayan Medical Association. Sandosham AA. Med J Malaya 24:243-6, Jun 70
The coin needn't smell: a response to the Seidenberg thesis. Usdin G. Ment Hyg 55:32-4, Jan 71
New placental tissue registry seeks support of MSMS members. Cipparone JR. Mich Med 70:537-8, Jun 71
American Psychiatric Association prime force in raising status of psychiatry. Waggoner RW.
Mich Med 69:930 passim, Oct 70
Role of Society of Pediatric Research to emphaxize value of child health study. Weil WB Jr.
Mich Med 69:929-30, Oct 70
Michigan state medical society directory.
Mich Med 70:3-90, Jan 71
Here are newly-approved guidelines for MSMS Peer Review program. Mich Med 70:559-60 passim, Jun 71
SAMA vote in the AMA? Spencer ER Jr.
N Engl J Med 285:459-60, 19 Aug 71
Drug fears dismissed. Nature (Lond) 228:599, 14 Nov 70
Accomplishments of the house of delegates. Davis JE Jr. NC Med J 32:284-6, Jul 71
What about our society? Gamble JR Jr.
NC Med J 31:390-3, Oct 70
President's farewell address. Speaking for us. Shaffner LD. NC Med J 32:265-9, Jul 71
Committee and commission appointments of the North Carolina State Medical Society.
NC Med J 32:297-312, Jul 71
A single medical college for New Zealand. Cole DS.
NZ Med J 71:191-8, Sep 70
Biennial conference of the Medical Association, Palmerston North, February 15-18, 1971. Presidential address. Douglas AW. NZ Med J 73:159-62, Mar 71
Biennial conference of the Medical Association, Palmerston North, February 15-18, 1971. Twelfth memorial oration. Wild R. NZ Med J 73:162-6, Mar 71
The committee on private practice. Tschantz RE.
Ohio State Med J 67:199-201, Mar 71
Role of Medical Societies in the political arena.
Ohio State Med J 67:251, Mar 71
Address of William A. Barrett, M.D. to the PMS house of delegates. Barrett WA. Pa Med 73:13 passim, Nov 70
William A. Limberger, M.D. accepts PMS presidency. Limberger WA. Pa Med 73:7-10 passim, Nov 70
Our challenges for the 70's. President's address, 1970. Mapes RW. Pediatrics 47:465-9, Feb 71
A committee on long-range planning for pediatrics? Schulman JL. Pediatrics 47:471-2, Feb 71
Officers (1970-71) specialty societies affiliated with the institute of medicine of Chicago.
Proc Inst Med Chic 28:185-6, Sep 70
Reynold F. Brown, A.B., M.D. President, Radiological Society of North America. (Brown RF), Margulis AR.
Radiology 98:451-2, Feb 71
How to set about it. S Afr Med J 44:1138, 10 Oct 70
Potion of the Association of American Medial Coleges in the delivery of health services. Cooper JA.
South Med J 64:145-7, Feb 71
Officers, Southern Medical Association1970-1971.
South Med J 64:123-5, Jan 71
What I can do for organized medicine, and what should the El Paso County Medical Society and organized medicine dofor me? Huchton P.
Southwest Med 52:85-6, Apr 71
Teratology Society membership.
Teratology 1:225-9, May 68
Should you consider forming a professional association? Tatar LB, et al. Tex Med 67:34-40, Apr 71
TMA insurance office: a 'personal' group insurance service. Tex Med 67:110-1, Jul 71
American Neurological Association. List of members, 1970-1971. Trans Am Neurol Assoc 95:ix-xxiv, 1970
Association of American Physicians Presidental address. Thorn GW.
Trans Assoc Am Physicians 83:1-8, 1970
Association of American Physicians. Membership list.
Trans Assoc Am Physicians 83:vi-lix, 1970
Australian College of Ophthalmologists. Presidential address: an inevitable development. Foster J.
Trans Aust Coll Ophthalmol 1:15-8, 1969
Australian College of Ophthalmologists: Officers of the Society and list of members.
Trans Aust Coll Ophthalmol 1:154-65, 1969
Ophthalmological Society of the United Kingdom. List of members of the society.
Trans Ophthalmol Soc UK 89:xii+, 1970
Ophthalmological Society of the United Kingdom List of members of the Society.
Trans Ophthalmol Soc UK 90:xii-lxxxiv, 1970
President's address: The College of Physicians of Philadelphia. Blumstein GI.
Trans Stud Coll Physicians Phila 38:205-7, Apr 71
Fellows of the College of Physicians of Philadelphia.
Trans Stud Coll Physicians Phila 38:254-79, Apr 71
Hematology Control Service of the Wisconsin Society of Pathologists. Rowan T. Wis Med J 70:87-8, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Members, State Medical Society of Wisconsin.
Wis Med J 70:45-58, Jan 71
[48th South African Medical Congress] De Wet C.
S Afr Med J 45:303-6, 20 Mar 71 (Afr)
[Session of CIOMS (Council for International Organizations of Medical Sciences), Geneva, September 9-12, 1970] Hořejší J.
Cas Lek Cesk 109:1153-4, 27 Nov 70 (Cze)
[6th Congress of the World Federation for Hemophilia] Veselý V. Cas Lek Cesk 109:1070-1, 30 Oct 70 (Cze)
[Report on the 6th World Congress of FIGO] Kotásek A. Cesk Gynekol 35:612-5, Dec 70 (Cze)
[Report on the 4th International Stereotaxic Symposium in New York] Vladyka V.
Cesk Neurol 33:277-80, Sep 70 (Cze)
[7th Congress of the Society of Ophthalmologists of the German Democratic Republic] Kolíčný J.
Cesk Oftalmol 26:379-80, Nov 70 (Cze)
[Report on the 4th International Hedrological Congress] Knobloch J.
Rozhl Chir 49:610-2, Nov 70 (Cze)
[The Assistant Physicians' Committee in Arhus District] Kruse A.
Ugeskr Laeger 133:791, 23 Apr 71 (Dan)
[Future structure of the medical society] Larsen K.
Ugeskr Laeger 132:2111-3, 29 Oct 70 (Dan)
[New structure of the Medical Association] Hohwy E.
Ugre Laeger 17:1059-61, 1971 (Dan)
[Société Médicale des Hôpitaux de Paris. 1970. Membership list]
Ann Med Interne (Paris) 121:89-96, Jan 70 (Fre)
[Association Française pour l'étude du Cancer. List of members]
Bull Cancer (Paris) 58:127-40, Jan-Mar 71 (Fre)
[List of members of the Société Française d'Ophtalmologie]
Bull Mem Soc Fr Ophtalmol 83:xvi€xxvi, 1970 (Fre)
[Psychiatry and international relations. Psychiatry and society] Held RR.
Evol Psychiatr (Paris) 34:430-3, Apr-Jun 69 (Fre)
[Members of the phoniatry society]
J Fr Otorhinolaryngol 19:535-8, Sep 70 (Fre)
[The Collège des Médecins and medical practice in hospitals] Leboeuf Y.
Laval Med 42:148-55, Feb 71 (Fre)
[Belgian Royal Academy of Medicine. 1966. List of Belgian members and correspondents]
Mem Acad R Med Belg 6:9-32, 1966 (Fre)
[A propos of medico-social politics in Switzerland] Marti T. Praxis 59:546-9, 14 Apr 70 (Fre)
[The relations of the Société des Médecins et des Naturalistes de Iassy with the Epitropie des Hôpitaux S. Spiridon in medico-surgical assistance in Jassy and Moldavia] Butureanu VC.
Rev Med Chir Soc Med Nat Iasi 74:847-52, Oct-Dec 70 (Fre)
[Relations between the Institut de Médecine and the Société des Médecins et des Naturalistes de Iassy] Duca M.
Rev Med Chir Soc Med Nat Iasi 74:853-8, Oct-Dec 70 (Fre)
[History of the section of infectious pathology and its contribution to public health] Franche M, et al.
Rev Med Chir Soc Med Nat Iasi 74:1053-7, Oct-Dec 70 (Fre)
[Past and present activities and achievements of the chair of pediatrics and the pediatric section of the Société des Médecins et des Naturalistes de Iassy] Hurmuzache E.
Rev Med Chir Soc Med Nat Iasi 74:1065-7, Oct-Dec 70 (Fre)
[Scientific research in the field of physiological sciences] Popovici GG.
Rev Med Chir Soc Med Nat Iasi 74:959-65, Oct-Dec 70 (Fre)
[The role of the library and publications of the Société des Médecins et des Naturalistes in the spread of sciences and in professional education of physicians] Popovici GG.
Rev Med Chir Soc Med Nat Iasi 74:867-73, Oct-Dec 70 (Fre)
[The contribution of the Société des Médecins et des Naturalistes in the prevention of great epidemics and communicable diseases among the people of the territory of Moldavia] Zamfir G, et al.
Rev Med Chir Soc Med Nat Iasi 74:859-66, Oct-Dec 70 (Fre)
[Société Française de la Tuberculose. Membership list. (1970)]
Rev Tuberc Pneumol (Paris) 34:159-78, 1970 (Fre)
[Société Française de la Tuberculose et des Maladies Respiratoires: membership list (1971)]
Rev Tuberc Pneumol (Paris) 35:77-96, Jan-Feb 71 (Fre)
[Primary arterial pulmonary hypertension. Preliminary statistical results under the sponsorship of the Swiss Cardiological Society and with the aid the Swiss Foundation f Cardiology] Rivier JL.
Schweiz Med Wochenschr 100:143-5, 31 Jan 70 (Fre)
[Agreements between surgery and anesthesiology specialties on the exact definition of duties and the cooperation in intensive medicine]
Anaesthesist 19:487, Dec 70 (Ger)
[Activity report 1970-71 (of the Professional Society of the German Surgeons e.V] Brandis HJ von, et al.
Chirurg 42:Suppl 4:25-32, Apr 71 (Ger)
[The "Working Group on Leukosis in Childhood" in the German Democratic Republic. A report on the problems of the organization] Plenert W.
Dtsch Gesundheitsw 26:767-71, 22 Apr 71 (Ger)
[The duty and aims of the society for general medicine in GDR] Dtsch Gesundheitsw 25:613-4, 31 Mar 70 (Ger)
[Austrian Dermatologic Society. Annual meeting in Vienna, June 14, 1969] Hautarzt 22:82-7, Feb 71 (Ger)
[Dermatologic society e.V. of Munich. Scientific meeting of the 13th May, 1970]
Hautarzt 22:129-34, Mar 71 (Ger)
[85th meeting of the German Surgical Association 17-20 April 1968]
Langenbecks Arch Chir 322:3-22, 1968 (Ger)
["Medical environmentology" (environmental medicine)] Graul EH.
Munch Med Wochenschr 113:1176-80, 3 Sep 71 (Ger)
[European Society for Teratology]
Munch Med Wochenschr 113:727, 30 Apr 71 (Ger)
[Opening address of the president of the German Society for Psychiatry and Neurology] Ehrhardt H.
Verh Dtsch Ges Inn Med 75:809-10, 1969 (Ger)
[Members of the German Society of Blood Circulation Research]
Verh Dtsch Ges Kreislaufforsch 32:14-33, 1966 (Ger)
[German Society for Pathology. List of members]
Verh Dtsch Ges Pathol 54:631-45, 1970 (Ger)
[Opening speech of the president of the "Deutsche Gesellschaft für Rheumatologie"] Ott VR.
Verh Dtsch Ges Rheumatol 1:1-3, 1969 (Ger)
[New establishment: German Cancer Soiety]
Vestn Akad Nauk SSSR 40:Suppl 1:1, Jun 70 (Ger)
[World Confederation of Physicians concerns it-self with general medicine] Lempelius A.
Z Allgemeinmed 46:Suppl:I17+, 31 Oct 70 (Ger)
[7th meeting of the Southwestern German Society for Internal Medicine in Mainz, 29.-30. May 1970]
Redenbacher M.
Z Allgemeinmed 46:1468-73, 20 Oct 70 (Ger)
[Report on the Austrian convention on Rheumatism, March 19-21, 1970, Graz University Medical Clinic, Austria] Borkenstein E.
Z Rheumaforsch 29:300-3, Sep-Oct 70 (Ger)
[Election of officials at the Hungarian Society for History of Medicine]
Orv Hetil 112:214-5, 24 Jan 71 (Hun)
[Report of the activities of the Venice Section of the Società Italiana di Gerontologia e Geriatria in the year 1969-1970] G Gerontol 18:773-8, Aug 70 (Ita)
[Prevention of social diseases and integration of provincial anti-tuberculosis associations in the National Health Service]
Lotta Tubere 40:423-8 passim, Oct-Dec 70 (Ita)
[Cardiovascular diseases in the world]
Policlinico [Prat] 76:1306-7, 6 Oct 69 (Ita)
[Round table conference: on the general meeting of the Japanese Association of Medical Sciences] Kobayashi Y, et al. J Jap Med Assoc 65:642-52, 1 Mar 71 (Jap)
[The program of The Union of Socialist Doctors concerning health policy] Reitan JB.
Tidsskr Nor Laegeforen 91:1495, 10 Jul 71 (Nor)
[Report from the Committee for Medical Ethics of the Norwegian Medical Association]
Tidsskr Nor Laegeforen 91:991-1002, 10 May 71 (Nor)
[Auschwitz anniversaries at the Cracow Medical Society] Maslowski J. Przegl Lek 27:142-52, 1971 (Pol)
[Development of the Polish parasitology in the post-war period and the activities of the Polish Parasitologic Society] Kozar Z.
Wiad Parazytol 16:511-22, 1970 (Pol)
[Medical education in Brazil and the position of the Brazilian MedicalAssociation] Kassab P.
Rev Assoc Med Bras 16:415-8, Dec 70 (Por)
[Work of the scientific ophthalmologic societies in the Ukraine in 1969] Barkhash SA.
Oftalmol Zh 25:230-3, 1970 (Rus)
[Research work of scientific ophthalmologic societies in the UKraine in 1970] Barkhash SA.
Oftalmol Zh 26:231-5, 1971 (Rus)
[Activities of rheumatologic sections in pediatric societies] Dolgopolova AV, et al.
Pediatriia 49:74-6, Aug 70 (Rus)
[Work of the Students' Scientific Society at the I. M. Sechenov 1st Moscow Medical Institute] Tkachenko VA, et al. Sov Zdravookhr 29:62-6, 1970 (Rus)
[A pediatric congress of Latin nations in America] Garibay L. Minerva Pediatr 22:1178-80, 16 Jun 70 (Spa)
[Progress of medicine in Chile and the Medical Association] Garreton Silva A.
Rev Med Chil 97:577-91, Sep 69 (Spa)
[The Chilean Society of Rheumatology] Losada M.
Rev Med Chil 98:585-8, 1970 (Spa)
[Medical Associations' Collective Agreement] Lund T.
Lakartidningen 67:6010-3, 16 Dec 70 (Swe)
[Congress of American cardiologists in Atlantic City 1970] Sannerstedt R.
Lakartidningen 68:2001-4, 21 Apr 71 (Swe)
[Failed negotiations]
Lakartidningen 68:18-20, 1 Jan 71 (Swe)
[Salaries and working hours--chief problems in collective agreements]
Lakartidningen 67:6114-5, 23 Dec 70 (Swe)
[Reflections about the organization of the Swedish Young Doctors' Association (S.Y.L.F) edited by its New Organization Committee (S.N.O.K)] Nilsson R.
Ugeskr Laeger 133:789-90, 23 Apr 71 (Swe)

HISTORY

The arms of the colleges of surgeons. II. England, Ireland, physicians and surgeons of glasgow. Jones PG. Aust NZ J Surg 40:229-38, Feb 71
The arms of the colleges of surgeons. I. The arms and mace of the Royal Australasian College of Surgeons. Jones PG. Aust NZ J Surg 40:105-10, Nov 70
Unde et quo. Foster EM. Bacteriol Rev 34:217-21, Sep 70
Royal College of Psychiatrists.
Br Med J 2:724-5, 26 Jun 71
The Society of Medical Consultants to the Armed Forces on its twenty-fifth anniversary. Zarafonetis CJ. Bull NY Acad Med 47:224-8, Mar 71
The Medical Council of Rhodesia--its history. Wakeford J. Cent Afr J Med 16:159-61, Jul 70
The first Sir Marcus Fernando Memorial oration. (Fernando M), Rosenheim ML.
Ceylon Med J 15:3-9, Mar 70
The first twenty years of the association of bone and joint surgeons. Jones JB. Clin Orthop 74:120-3, Jan 71
Presidential Address. The road to recognition. Ferguson JA. Dis Colon Rectum 14:1-3, Jan-Feb 71
Ten years in retrospect. Popkin G.
Int J Dermatol 10:87-9, Apr-Jun 71
A message from the president. On the International Leprosy Association. Convit J.
Int J Lepr 38:83-5, Jan-Mar 70
The challenge to orthopaedics in the English-speaking world. Rowe CR.
J Bone Joint Surg [Am] 52:1050-7, Jul 70
The Louisiana State Medical Society. Of service since 1878. J La State Med Soc 122:237-8, Aug 70
Sixty years of oto-laryngology. Guthrie D.
J Laryngol Otol 85:595-602, Jun 71
The Diamond Jubilee of the National Medical Association. Mays BE.
J Nati Med Assoc 62:407-10, Nov 70
William Henry Harris, M.D., 1867-1934, with notes on the Georgia State Medical Association. (Harris WH), Robinson HS. J Nati Med Assoc 62:474-7, Nov 70
The Diamond Jubilee Convention of the National Medical Association. J Nati Med Assoc 62:461-3, Nov 70
Origin of an "official organ". The Journal of the Oklahoma State Medical Association. Bielstein C.
J Okla State Med Assoc 63:37-41, Jan 70
History of the Oklahoma Medical association. Pascucci LM. J Okla State Med Assoc 64:297, Jul 71
The development of the college journal. Scott RA.
J R Coll Gen Pract 20:255-62, Nov 70
The Society for the Study of Fertility, 1950-71. Parkes AS. J Reprod Fertil 25:315-27, Jun 71
Middle Tennessee medicine 75 years ago. Pennington TG. J Tenn Med Assoc 63:923-37, Nov 70
For mutualimprovment in the heang art. PhiladelphiaMedical Societies of the 18th century. Bell WJ r. JAMA 16:125-9, 15 Apr 71
The story of the Manchester Surgical Society. Platt H.
Manch Med Gaz 50:5-10, 1971
An abortive attempt. How a meeting of medical men met in 1883 hoping to establish a medical association in Winnipeg. Mitchell R.
Manit Med Rev 50:17, Jul-Aug 70
History of the Medical Society of the District of Columbia. Chapter 8. Pressures for change. Wiprud T.
Med Ann DC 40:119-31, Feb 71
History of the Medical Society of the District of Columbia. Wiprud T. Med Ann DC 39:839-44, Nov 70
Medical society of the District of Columbia. IV. Medical publications of the Society. Wiprud T.
Med Ann DC 39:803-7, Oct 70
History of the Medical Society of the District of Columbia. Wiprud T. Med Ann DC 39:459-67, Aug 70
History of the Medical Society of the District of Columbia. Chapter 3. Public Health. Wiprud T.
Med Ann DC 39:515-26, Sep 70
History of the Medical Society of the District of Columbia. Chapter XII. An historic decision. Wiprud T. Med Ann DC 40:393-6, Jun 71
History of the Medical Society of the District of Columbia. VII. Doctors in Court.
Med Ann DC 40:41-6, Jan 71
History of the Medical Society of the District of Columbia. XI. More about the home front.
Med Ann DC 40:331-5, May 71
History of the Medical Society of the District of Columbia. IX. Functions of a modern medical society.
Med Ann DC 40:191-8 passim, Mar 71
History of the Medical Society of the District of Columbia. Med Ann DC 40:455-60, Jul 71
History of the Medical Society of the District of Columbia. VI. Prepaid medical care.
Med Ann DC 39:895-701, Dec 70
Missouri Medicine in review. Pollock LH.
Mo Med 68:410, Jun 71
Personal recollections of the organization and founders of the American Association of Plastic Surgeons. Ivy RH. Plast Reconstr Surg 47:438-44, May 71
History of the Medical Societyof the District of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Columbia. VI. Prepaid medical care.
Presse Med 79:695-701, 9 Jan 71
The Society and x-ray protection. Ardran GM.
Radiography 37:157-65, Jul 71
Occasion for an international view. The Society's Golden Jubilee--1920-1970. Denley KC.
Radiography 36:178-80, Aug 70
Looking back. Scott J. Radiography 36:206-9, Aug 70
The past and present of the General Medical Council.
Pyke-Lees W. Scott Med J 15:448-53, Dec 70
The first annual meeting of the American Climatological Association. Mitchell RS, et al.
Trans Am Clin Climatol Assoc 82:9-42, 26 Oct 70
The Dowling club. Wallace DJ.
Trans St Johns Hosp Dermatol Soc 57:2-7, 1971
First woman fellow of The College of Physicians of Philadelphia: memoir of Catharine Macfarlane. 1877-1969. (Macfarlane C), Sturgis KR.
Trans Stud Coll Physicians Phila 38:157-60, Jan 71
The Central Veterinary Society. Carter HE.
Vet Rec 87:625-6, 14 Nov 70
Early radiology in Wisconsin. Habbe JE.
Wis Med J 70:34, Feb 71
[History of Czechoslovak Otolaryngological Society, 1921-1946] Hlavíček V.
Cesk Otolaryngol 20:49-55, Apr 71 (Cze)
["Medical society's headquarters". Debate and comments] Dich P.
Ugeskr Laeger 132:1586-90, 20 Aug 70 (Dan)
[Medical society for Randers and environs 1870-1970] Gadborg E. Ugeskr Laeger 132:2353-4, 3 Dec 70 (Dan)
[List of presidents, general secretaries and treasurers of the medicopsychologic Society since its institution (1852-1971)]
Ann Med Psychol (Paris) 1:65-92, Jan 71 (Fre)
[An unpublished lecture by Doctor Joseph Painchaud] (Painchaud J), Leblond S.
Laval Med 39:355-60, Apr 68 (Fre)
[History of the Society of Legal Medicine and Criminology of France] Dérobert L.
Med Leg Domm Corpor (Paris) 1:410-3, Oct 68 (Fre)
[Contribution of the Belgian Royal Academy of Medicine to the advancement of medical science] Heymans C.
Mem Acad R Med Belg 6:143-50, 1966 (Fre)
[Belgian Royal Academy of Medicine. Opening session]
Mem Acad R Med Belg 6:33-42, 1966 (Fre)
[Relations of the Société des Médecins et des Naturalistes de Iassy with the men of science and similar associations abroad] Bumbăcesco N.
Rev Med Chir Soc Med Nat Iasi 74:875-81, Oct-Dec 70 (Fre)
[Progressive character of the Société des Médecins et des Naturalistes de Iassy] Ciurea D.
Rev Med Chir Soc Med Nat Iasi 74:897-900, Oct-Dec 70 (Fre)
[The scientific activity of the pharmacists in the membership of the Société des Médecins et des Naturalistes] Grigoresco E.
Rev Med Chir Soc Med Nat Iasi 74:891-6, Oct-Dec 70 (Fre)
[The role of the Société des Médecins et des Naturalistes in the development of natural sciences in Moldavia] Jitariu P.
Rev Med Chir Soc Med Nat Iasi 74:883-9, Oct-Dec 70 (Fre)
[Important persons in the management and activies of the Société des Médecins et des Naturalistes] Nastase G.
Rev Med Chir Soc Med Nat Iasi 74:901-8, Oct-Dec 70 (Fre)
[The Société des Médecins et des Naturalistes de Iassy, the first scientific society of Rumania] Răşcanu V.
Rev Med Chir Soc Med Nat Iasi 74:839-46, Oct-Dec 70 (Fre)
[125 years of the Berlin Scientific Society for Veterinarians] Lerche M.
Berl Munch Tieraerztl Wochenschr 84:81-3, 1 Mar 71 (Ger)
[The Society Moreau de Tours and Psychopharmacology] (Moreau de Tours JJ), Baruk H.
Med Klin 65:1803-5, 9 Oct 70 (Ger)
[Proceedings of the German Society for Internal Medicine. Opening address by the chairman] Jahn D.
Verh Dtsch Ges Inn Med 75:6-16, 1969 (Ger)
[The history of the Salzburger Arztegesellschaft 1849-1970] Wendt H.
Wien Med Wochenschr 121:283-5, 10 Apr 71 (Ger)
[Ten years of the Kansai District Urological Association of Japan] Tomoyoshi T.
Acta Urol Jap 16:795-7, Dec 70 (Jap)
[Establishment and history of Japanese Association for Infectious Diseases] Kumagaya K.
J Jap Assoc Infect Dis 44:201-3, Aug 70 (Jap)
[The 50th Anniversary of The Norwegian Society of Neurologists] Emblem L.
Tidsskr Nor Laegeforen 91:390-2, 20 Feb 71 (Nor)
[Fifty years of The Norwegian Society of Neurologists. A short overview] Tornsberg KK.
Tidsskr Nor Laegeforen 91:389-90, 20 Feb 71 (Nor)
[Anti-tuberculosis School League (1923-1939)] Zabiotniak R. Gruzlica 38:1019, Oct 70 (Pol)
[Antivenereal activity of the Polish Eugenics Society in Warsaw (1916-1939). History of medical societies] Zabiotniak R.
Przegl Dermatol 57:785-91, Nov-Dec 70 (Pol)
[The Warsaw Society for Preventive Medicine (1929-1939)] Zabiotniak R.
Przegl Epidemiol 25:283-8, 1971 (Pol)
[History outline of the Polish Society of Pediatrics] Mikulowski W. Przegl Lek 27:293-6, 1971 (Pol)
[A. L. Polenov and the Orel Medical Society (100th anniversary of the birth of A. L. Polenov (1871-1971))] (Polenov AL), Toporov GN.
Sov Zdravookhr 29:79-81, 1970 (Rus)
[The history of the St. Petersburg Psychiatric Society] Portnov AA, et al.
Zh Nevropatol Psikhiatr 70:1389-93, 1970 (Rus)
[Manuscript of a journal edited by students in 1840 which was never printed. The journal of the Philolaric Society of Mexico] Del Castillo FF.
Gac Med Mex 100:883-8, Sep 70 (Spa)
[Commemoration of the centenary of the Medical Society of Santiago (1869-1969)] Armas Cruz R.
Rev Med Chil 97:593-4, Sep 69 (Spa)
[Commemoration of the centenary of the Medical Society of Santiago (1869-1969)] Katz Ugarte R.
Rev Med Chil 97:569-72, Sep 69 (Spa)
[Commemoration of the centenary of the Medical Society of Santiato (1869-1969)] Valdivieso Delaunay R. Rev Med Chil 97:573-6, Sep 69 (Spa)
[Medical Society in the past, present and future] Knežević S. Lijec Vjesn 92:425-41, 1970 (Cro)

STANDARDS

[Future structure of the medical society, with special consideration of the conditions in the county] Hohwy E. Yngre Laeger 25:2370-2, 1970 (Dan)

SOCIETIES, NURSING (N3)

Directory (professional nurses' organizations).
Am J Nurs 71:1612-22, Aug 71
The Dallas Conventions. Am J Nurs 17:1176-83, Jun 71
The modern student nurse and her professional organization. Jarrett L. Int Nurs Rev 18:31-9, 1971
This I believe--about the National League for Nursing. Beal JW. Nurs Outlook 19:99 passim, Feb 71
NLN: nursing's voice in community health. Kibrick A.
Nurs Outlook 19:455, Jul 71
Money isn't everything. Leighton LL.
Nurs Outlook 19:252-3, Apr 71
Heart of the convention. Lewis EP.
Nurs Outlook 19:383, Jun 71
A fork is to eat with. Lewis EP.
Nurs Outlook 19:583, Sep 71
This I believe--about the National League for Nursing. Mauksch IG. Nurs Outlook 19:96 passim, Feb 71
A constituent league in action. Russey F.
Nurs Outlook 19:325-7, May 71
Community nursing services accredited by NLN-April, 1971. Nurs Outlook 19:272-3, Apr 71
National League for Nursing program goals--1971.
Nurs Outlook 19:241, Apr 71
NLN-NSNA conventions 1971.
Nurs Outlook 19:390-409, Jun 71
President's message. Benoit JN.
Occup Health Nurs (NY) 18:22-3, Nov 70
President's message. Benoit JN.
Occup Health Nurs (NY) 18:26, Oct 70
Who are you, AORN? Thomas B.
Occup Health Nurse (Auckl) 19:20-1 passim, May 71
The professional association's role in nursing education. Graziano C. RI Med J 54:32 passim, Jan 71

SOCIETIES, PHARMACEUTICAL (N3)

Student involvement in the ASHP through an affiliated chapter. Morgan DJ, et al.
Am J Hosp Pharm 27:750-2, Sep 70
ASHP actions of Board of Directors. October 1970 meeting. Am J Hosp Pharm 28:116-7, Feb 71
Students APhA. Williams RL.
J Am Pharm Assoc 11:81, Feb 71
[1st national congress of the Czech pharmaceutical society in Karlovy Vary]
Cesk Farm 20:1-7, Jan 71 (Cze)
[Changing tide] Winters JH.
Pharm Weekbl 105:1209-17, 16 Oct 70 (Dut)
[List of members of the Academy of Pharmacy, January 1, 1971] Ann Pharm Fr 29:5-18, Jan 71 (Fre)

HISTORY

[Prominent presidents of the pharmaceutical association] Drábek P, et al.
Cesk Farm 20:208-16, Jul 71 (Cze)
[100 years of the Czech pharmaceutical society] Drábek P, et al. Cesk Farm 20:202-7, Jul 71 (Cze)
[Activity of the Czechoslovak pharmaceutic association in the year 1970] Solich J, et al.
Cesk Farm 20:229-33, Jul 71 (Cze)

SOCIETIES, SCIENTIFIC (N3)

Fellows and members of The International Academy of Cytology as of January 1, 1971.
Acta Cytol (Baltimore) 15:64-71, Jan-Feb 71
VIth International Zootechny Symposium. Milan, 15-16-17 April 1971.
Acta Vet Acad Sci Hung 20:445, 1970
Institutional racism: a problem for psychology? Senn DJ, et al. Am Psychol 26:671-4, Jul 71
American Association of Anatomists. List of members.
Anat Rec 168:261-323, Oct 70
First World Congress of Nuclear Medicine and Biology. Université de Montréal, Montreal, Canada 30th August-4th September, 1971.
Australas Radiol 14:457-64, Nov 70
Science on show. Br Med J 2:353-4, 15 May 71
Directory. Genetics 64:Suppl:s99-132, 1970
American Public Health Association. Inhorn SL.
Health Lab Sci 7:61-2, Apr 70
Report of the ICRU to the International Executive Committee of the XIIth International Congress of Radiology--Tokyo, 1969. Ney WR.
Health Phys 19:825-30, Dec 70
Members of the Society for the Study of Human Biology. Hum Biol 43:160-71, Feb 71
The American Dietetic Association--1969-70. President's report to members. Fischer FE.
J Am Diet Assoc 57:411-4, Nov 70
The American College of Clinical Pharmacology. Gold H. J Clin Pharmacol 11:321-2, Sep-Oct 71
Society for Personality Assessment. The way to go. Carr AC. J Pers Assess 35:203-4, Jun 71
Society for Personality Assessment--which way to go? Farberow NL, et al.
J Proj Tech Pers Assess 34:468-9, Dec 70
European Cell Biology Organization.
J Ultrastruct Res 34:406-7, Feb 71
A survey of psychologists in the American Association on Mental Deficiency. Bensberg GJ, et al.
Ment Retard 9:17-22, Feb 71
Scientific inofrmation by computer. Lynch JT, et al.
Nature (Lond) 230:153-6, 19 Mar 71
Dissent blooms at AAAS circus.
Nature (Lond) 229:81-2, 8 Jan 71
Bringing chemists together.
Nature (Lond) 228:1130, 19 Dec 70
The Institute of Medicine of Chicago.
Proc Inst Med Chic 28:189-211, Sep 70
Members of the experimental psychology society.
Q J Exp Psychol 23:vi-xii, Feb 71
Resolution on cancer. Frei E. Science 172:1293, 25 Jun 71
International association of microbiological societies. Langlykke AF. Science 171:626, 19 Feb 71
The President's address to the Association. Parsons JH.
Vet Rec 87:367-70, 26 Sep 70
[II. Congress of the International Association of Radiation Protection (IRPA) in Brighton] Klener V.
Cas Lek Cesk 109:993-5, 9 Sep 70 (Cze)
[European Federation of Parasitology. 1st European Congress of Parasitology, Rennes (France) September 1-4, 1971]
Acta Vet Acad Sci Hung 20:446-9, 1970 (Fre)
[The Max-Planck Society for the Advancement of Science Inc. Jan. 1, 1968-Dec. 31,1969]
Naturwissenschaften 57:568-669, Dec 70 (Ger)
[11th spring meeting of the Deutschen Pharmakologischen Gesellschaft in Mainz (15-18 March 1970). Opening address] Netter KJ.
Naunyn Schmiedebergs Arch Pharmakol 266:279-85, 1970 (Ger)
[Actual organizational problems of a psychoanalytic association from a sociological viewpoint] Fürstenau P. Z Psychother Med Psychol 20:173-84, Sep 70 (Ger)
[The Italian Association and social prospectives in the cystic fibrosis campaign] Marzotto U.
Fracastoro 63:217-20, May-Aug 70 (Ita)
[3rd international conference of the Society for the Research of Fluorine] Navara J, et al.
Biologia (Bratisl) 25:741-3, 1970 (Slo)

HISTORY

English medicine in the Royal Society's correspondence: 1660-1677. Hall AR.
Med Hist 15:111-25, Apr 71
From the beginning. England IA.
Radiography 37:27-38, Feb 71
The new President of the R.C.V.S. (Ingram JM).
Vet Rec 88:578, 29 May 71
[Resolution of the Socialistic Society for Science, Culture and Politics]
Cas Lek Cesk 110:471-2, 1971 (Cze)
[Relations of the Société des Médecins et des Naturalistes de Iassy with the men of science and similar associations abroad] Bumbăcesco N.
Rev Med Chir Soc Med Nat Iasi 74:875-81, Oct-Dec 70 (Fre)
[Progressive character of the Société des Médecins et des Naturalistes de Iassy] Ciurea D.
Rev Med Chir Soc Med Nat Iasi 74:897-900, Oct-Dec 70 (Fre)
[The scientific activity of the pharmacists in the membership of the Société des Médecins et des Naturalistes] Grigoresco E.
Rev Med Chir Soc Med Nat Iasi 74:891-6, Oct-Dec 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The role of the Société des Médecins et des Naturalistes in the development of natural sciences in Moldavia] Jitariu P.
Rev Med Chir Soc Med Nat Iasi 74:883-9, Oct-Dec 70 (Fre)

[The first Museum of Natural History and its role in the development of natural sciences] Mândru C.
Rev Med Chir Soc Med Nat Iasi 74:909-14, Oct-Dec 70 (Fre)

[Important persons in the management and activies of the Société des Médecins et des Naturalistes] Nastase G.
Rev Med Chir Soc Med Nat Iasi 74:901-8, Oct-Dec 70 (Fre)

[The Société des Médecins et des Naturalistes de Iassy, the first scientific society of Rumania] Răşcanu V.
Rev Med Chir Soc Med Nat Iasi 74:839-46, Oct-Dec 70 (Fre)

[The 50th anniversary of the Swiss Society for the History of Medicine and Natural Sciences] Fischer H.
Gesnerus 28:72-8, 1971 (Ger)

[In memory of Dr. Markus Guggenheim] (Guggenheim M), Gesnerus 28:88-9, 1971 (Ger)

[International Paracelsus convention in Salzburg] (Paracelsus), Bugyi B.
Orv Hetil 111:2973-4, 13 Dec 70 (Hun)

SOCIOECONOMIC FACTORS (I, N1)

Socio-cultural aspects of alcoholism. Bloom JD.
Alaska Med 12:65-7, Sep 70

A study of preparation of infant formulas. A medical and sociocultural appraisal. Kendall N, et al.
Am J Dis Child 122:215-9, Sep 71

Fatal arteriosclerotic heart disease, water hardness at home, and socioeconomic characteristics. Comstock GW. Am J Epidemiol 94:1-10, Jul 71

Correlation of folate metabolism and socioeconomic status in pregnancy and in patients taking oral contraceptives. Kahn SB, et al.
Am J Obstet Gynecol 108:931-5, 15 Nov 70

Prevalence of complement-fixing antibodies to cytomegalovirus in a semirural southern county. Monif GR, et al.
Am J Obstet Gynecol 108:372-4, 1 Oct 70

"Telling it like it is". Smith BM.
Am J Occup Ther 25:199-200, May-Jun 71

Psycho-social aspects of academic achievement. Berman G, et al.
Am J Orthopsychiatry 41:406-15, Apr 71

Personality and social factors predisposing to drug abuse. Margolis CG.
Am J Pharm 142:146-50, Jul-Aug 70

Drug abuse--the role of the community and the professions. Tice LF.
Am J Pharm 142:144-5, Jul-Aug 70

Biologic and sociologic changes affecting adaptation in mid and late life. Busse EW.
Ann Intern Med 75:115-20, Jul 71

Epidemiology of periodontal disease in Western Nigerians in relation to socio-economic status. Enwonwu CO, et al. Arch Oral Biol 15:1231-44, Dec 70

Social differences in the dental conditions and dental needs of 5-year-old children in four areas of the West Midlands. Beal JF, et al. Br Dent J 129:313-8, 6 Oct 70

Patient personality and demographic factors as predictors of early response to psychotropic drug treatment. Downing RW, et al.
Compr Psychiatry 11:568-75, Nov 70

The upward mobile Negro family in therapy. McKinley CK, et al. Dis Nerv Syst 31:710-5, Oct 70

Cancer death rates by site and sex for religious and socioeconomic groups in New York City. Seidman H.
Environ Res 3:234-50, Jul 70

Socioeconomic and technological factors in trends of physicians to specialize. Weiss JE.
HSMHA Health Rep 86:46-51, Jan 71

Social and economic influences on the growth of pre-school children in Lagos. Rea JN.
Hum Biol 43:46-63, Feb 71

Influence of socio-economic and environmental factors on birth-weight. Maidya RN, et al.
Indian J Med Res 58:851-9, May 70

Influence of some socio-economic factors on the prevalence of trachoma. Mathur GM, et al.
Indian J Med Sci 24:325-34, Jun 70

Health status of infants and preschool children in different sociocultural groups. Siddhu CM, et al.
Indian J Public Health 14:39-48, Jan 70

Socio-economic factors in relation to birth weight. Pachauri S, et al. Indian Pediatr 7:462-8, Aug 70

Socioeconomic status and blood chemistry. Noel WK, et al. J Am Osteopath Assoc 70:1103-7, Jun 71

Intelligence, family size and socio-economic status. Kennett KF, et al. J Biosoc Sci 2:227-36, Jul 70

Socio-economic factors and the sex ratio at birth. Teitelbaum MS, et al. J Biosoc Sci 3:23-41, Jan 71

Socioeconomic differentials in prognosis following episodes of coronary heart disease. Hrubec Z, et al.
J Chronic Dis 23:881-9, May 71

The rising incidence of cancer of the pancreas--further epidemiologic studies. Krain LS.
J Chronic Dis 23:685-90, Mar 71

Relationships of beta IQ scores to socio-cultural factors in a psychiatric population. Dudley HK Jr, et al.
J Clin Psychol 27:68-74, Jan 71

Ethnic and socioeconomic status differences in human figure drawings. Adler PT.
J Consult Clin Psychol 36:344-54, Jun 71

Population differences and learning proficiency. Rohwer WD Jr, et al. J Educ Psychol 62:1-14, Feb 71

Social and economic factors in reported chronic morbidity. Osborn RW. J Gerontol 26:217-23, Apr 71

Socio-ecological variables associated with institutionalization of retardates. Wolfensberger W, et al. J Ment Defic Res 14:1-15, Mar 70

An experience with "unemployable" workers. Larsen MC, et al. J Occup Med 12:483-5, Nov 70

Socio-economic class bias in Rorschach diagnosis: contributing psychosocial attributes of the clinician. Trachtman JP. J Pers Assess 35:229-47, Jun 71

Characteristics of manually communicating deaf adults. Northern JL, et al.
J Speech Hear Disord 36:71-6, Feb 71

Patient follow-up in a long-term study. Dallas J. Johns Hopkins Med J 128:244-51, May 71

Relationships between socio-economic status and attitudes of parents of juvenile offenders. Shamsie SJ, et al. Laval Med 42:163-6, Feb 71

Chronic renal disease: a socio-economic study. Heale WF, et al. Med J Aust 2:623-5, 3 Oct 70

Social factors in the prognosis of men following first myocardial infarction. Shapiro S, et al.
Milbank Mem Fund Q 48:37-50, Jan 70

Growth and socioeconomic environment. Prokopec M. Monogr Soc Res Child Dev 35:55-60, Oct 70

Psychologic and social precursors of coronary disease (first of two parts). Jenkins CD.
N Engl J Med 284:244-55, 4 Feb 71 (96 ref.)

Palace and pollution. Mason AC, et al.
Nature (Lond) 228:693, 14 Nov 70

Determinants of what happens to alcoholics. Chandler J, et al. Q J Stud Alcohol 32:349-63, Jun 71

Problems in socioeconomics for radiologic technologists: panel discussion.
Radiol Technol 42:144-54, Nov 70

4th National congress on the socio-economics of health care. RI Med J 53:569-71, Oct 70

Endemic goiter. Gillie RB. Sci Am 224:93-101, Jun 71

Predicting college success of the educationally disadvantaged. Stanley JC.
Science 171:640-7, 19 Feb 71

Acute otitis media in children. A medical social study from general practice. Paterson JE, et al.
Scott Med J 15:289-96, Aug 70

Intake of foods containing proteins of high biological value in families of low income groups in Singapore. Tan N. Singapore Med J 11:130-7, Jun 70

Legal abortions, socioeconomic status, and measured intelligence in the United States. Cohen JE.
Soc Biol 18:55-63, Mar 71

Some links between economic status and untreated illness. Hyman MD. Soc Sci Med 4:387-99, Nov 70

[Sociologic study on factors influencing birth-rate among student families in Sofia] Kardashev G.
Akush Ginekol (Sofiia) 10:106-12, 1971 (Bul)

[Relation of the economic standard in various regional units of Czechoslovakia to the health status of young male population] Hemala M.
Cesk Zdrav 18:471-7, Nov 70 (Cze)

[Addiction to euphorizing drugs among young people in arhus] Mark I.
Ugeskr Laeger 133:659-65, 9 Apr 71 (Dan)

[Tasks of nutritional hygiene under current socio-economic conditions] Gontzea I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:370-4, 1970 (Fre)

[Phantasmic activities of 4-year-old children in privileged and underprivileged environment. Preliminary reports] Gauthier Y, et al.
Laval Med 42:91-102, 1 Jan 71 (Fre)

[Methods for judging the health political relevance of medical care] Ferber C von.
Oeff Gesundheitswes 33:259-68, May 71 (Ger)

[Relations between myopia and school achievements, growth and social factors] Scholz D.
Oeff Gesundheitswes 32:530-5, Oct 70 (Ger)

[Relations between some social factors and the conditioning structure of perinatal mortality] Akkermann S, et al.
Z Gesamte Hyg 17:439-44, Jun 71 (Ger)

[Studies on the social and psychological problems in intrauterine fetal death before parturition] Nöschel H, et al. Zentralbl Gynaekol 93:6-9, 2 Jan 71 (Ger)

[Influence of socio-economic conditions and of the somatic complex on the time of menarche] Tonelli E, et al. Ig Mod 62:121-35, 1969 (Ita)

[Influence of environmental factors on the incidence of premature labor and infant development] Fijalkowski W, et al. Pol Tyg Lek 25:1891-3, 7 Dec 70 (Pol)

[Medicosocial aspects of tuberculosis in Brazil] Lisbôa RM. Rev Bras Med 27:312-7, Jun 70 (Por)

[Public health, child mortality and social factors] Chikin SIa. Pediatriia 49:3-6, Jul 70 (Rus)

[Social bases of controlling tuberculosis] Klebanov MA. Probl Tuberk 48:5-10, 1970 (Rus)

[Socio-hygienic aspects of the occurrence of intestinal infections in developing countries] Sluchevskiĭ II.
Sov Zdravookhr 30:49-52, 1971 (Rus)

[Relation of socioeconomic factors to family planning (based on data from the Tselinograd region)] Sviridova LE. Sov Zdravookhr 29:11-5, 1970 (Rus)

[Preventive medicine and prospectives of its development under the 2 world systems] Tareev EM.
Ter Arkh 42:11-5, Apr 70 (Rus)

[Acceleration of the physical and sexual development as a sociohygienic problem] Lisitsyn IuP, et al.
Zdravookhr Ross Fed 14:22-8, Jul 70 (Rus)

[Termination of an unwanted pregnancy observed from a medical and socioeconomic aspect] Kufciev K, et al.
God Zb Med Fak Skopje 16:437-40, 1970 (Ser)

[Prevention of malnutrition. Symposium. VI. Educational aspects in the prevention of malnutrition: psychosocial approach] Descouvieres C.
Rev Chil Pediatr 41:241-4, Mar 70 (Spa)

[Prevention of malnutrition. Symposium. V. A sociological approach to nutrition and nutritional disorders] Muñoz Cautivo A.
Rev Chil Pediatr 41:238-40, Mar 70 (Spa)

[Quartiles of proportional mortality. New indications of health with relation to the socio-economic conditions] Enderica Vélez R.
Rev Ecuat Hig Med Trop 26:199-217, Sep-Dec 69 (Spa)

[The socioeconomical level of health workers] Martínez PD.
Salud Publica Mex 12:289-91, May-Jun 70 (Spa)

[Socioeconomic repercussions in hemiplegics] Zepeda Aguilar R, et al.
Salud Publica Mex 12:357-9, May-Jun 70 (Spa)

SOCIOLOGY (F3, I)

Recent developments in sociolinguistics: some implications for ASHA. Taylor OL.
ASHA 13:341-5, Jun 71

The Seebohm report. Osmond H.
Br J Psychiatry 117:607-8, Nov 70

Durkheim and contemporary social pathology. (Durkheim E), Mawson AR.
Br J Sociol 21:298-313, Sep 70

Negro aged: toward needed research in social gerontology. Jackson JJ.
Gerontologist 11:Suppl:52-7, Spring 71

A gerontological look at ethnicity, human capacities, and individual adjustment. Kalish RA.
Gerontologist 11:Suppl:78-87, Spring 71

Social gerontology and the age stratification of society. Riley MW. Gerontologist 11:79-87, Spring 71

A social-psychological view of health behavior for health services research. Douglass CW.
Health Serv Res 6:6-14, Spring 71

On psychoanalysis and sociology. Mitscherlich A, et al.
Int J Psychoanal 51:33-48, 1970

A sociological approach to the history of medicine. McKeown T. Med Hist 14:342-51, Oct 70

Social stress and coronary heart disease in Japan. A hypothesis. Matsumoto YS.
Milbank Mem Fund Q 48:9-36, Jan 70

The sociology of technology.
Nature (Lond) 228:1136, 19 Dec 70

[Situation of medical sociology in the Federal Republic] Finzen A.
Hippokrates 41:539-40, Dec 70 (Ger)

[Psychoanalysis and society. The contribution of Herbert Marcuse] (Marcuse H), Holzhey H.
Psyche (Stuttg) 24:188-207, Mar 70 (Ger)

[Psychoanalysis and sociology] Mitscherlich A, et al.
Psyche (Stuttg) 24:157-87, Mar 70 (Ger)

[Psychosomatic diseases and human society] Labhardt F. Ther Umsch 28:350-2, Jun 71 (Ger)

[Sociologic organization analysis in health care] Schneider K. Z Gesamte Hyg 17:430-5, Jun 71 (Ger)

[Changes of society. Tendencies of modern social politic and a book from Ludwig Preller] Reckert HP.
Zahnaerztl Mitt 61:585-92, 11 Jun 71 (Ger)

[Sociological foundations of psychotherapeutic action] Frighi L. Riv Sper Freniatr 93:363-76, 30 Apr 69 (Ita)

[Sociology and medicine] Candeias N.
Rev Saude Publica 5:111-27, Jun 71 (Por)

[Social research in public health] Piovesan A.
Rev Saude Publica 4:189-205, Dec 70 (Por)

[Sociologic studies in contemporary epidemiology] Sumarokov AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:17-20, Apr 70 (Rus)

[Psychosomatic approach in medicine: various contributions of psychology, sociology, social psychology, and cultural anthropology] Torrebianca J, et al. Rev Med Chil 99:26-41, Jan 71 (Spa)

[The public health infirmary and 2 paramedical sciences: sociology and pedagogics] Clavero Gónzalez G.
Rev Sanid Hig Publica (Madr) 44:1021-32, Sep 70 (Spa)

[Social and economic repercussions of the integration of education in the health professions] Martínez PD.
Salud Publica Mex 11:675-80, Sep-Oct 69 (Spa)

EDUCATION

Teaching nursing students the interactional aspects of

social concepts. Fredericks MA, et al.
Hosp Progr 52:30-3 passim, Jan 71
[Sociological possibilities in university psychiatric departments: departmental meetings] De Giacomo P.
Acta Neurol (Napoli) 26:95-9, Jan-Feb 71 (Ita)
[Medical sociology] Insua JA.
Prensa Med Argent 58:245-54, 2 Apr 71 (Spa)

HISTORY

[Philosophical and social aspects of medical ethics] Tsaregorodtsev GI.
Sov Zdravookhr 28:8-13, 1969 (Rus)

SOCIOMETRIC TECHNICS (E5, I)

A comparison of two methods of value measurement. Lorei TW, et al. Am J Psychol 84:23-34, Mar 71
Scale for the measurement of attitudes toward physicians and primary medical care. Hulka BS, et al. Med Care 8:429-36, Sep-Oct 70
Sociometry as an adjunct to nurse teaching. Chapman RW. Nurs Times 67:Suppl:33-6, 4 Mar 71
Sociometric status in a psychiatrically deviant adolescent collectivity. Smith DH, et al. Psychol Rep 27:483-97, Oct 70
[Method of determining the economic effectiveness of national public health] Malamud MI.
Sov Zdravookhr 29:20-4, 1970 (Rus)

SOCIOPATHIC PERSONALITY (F2)

see also related
SOCIAL BEHAVIOR DISORDERS (F2)

Rebellion and anti-social behavior. Offer D.
Am J Psychoanal 31:13-9, 1971
Forensic psychiatry. The psychopath: mad or bad. Boyd BA. Can Psychiatr Assoc J 16:3-4, Feb 71
Fetishism and exhibitionism in the female and their relationship to psychopathy and kleptomania. Zavitzianos G. Int J Psychoanal 52:297-305, 1971
Modification of drug language usage of primary and neurotic psychopaths. Doctor RM, et al. J Abnorm Psychol 77:174-80, Apr 71
Classical discrimination eyelid conditioning in primary psychopaths. Gendreau P, et al. J Abnorm Psychol 77:242-6, Jun 71
Psychopathy and response to electrical stimulation. Hare RD, et al. J Abnorm Psychol 76:370-4, Dec 70
Psychopathy and autonomic conditioning. Hare RD, et al. J Abnorm Psychol 77:223-35, Jun 71
Punishment, arousal, and avoidance learning in sociopaths. Schmauk FJ. J Abnorm Psychol 76:325-35, Dec 70
Vicarious conditioning and sociopathy. Sutker PB. J Abnorm Psychol 76:380-6, Dec 70
Differences between older institutionalized offenders and nonoffenders on MMPI hostility and control scales. Apeldorf M, et al. J Clin Psychol 27:370-2, Jul 71
The relationship of PD and MAS scores to approach-avoidance behavior under immediate versus delayed punishment. Snortum JR, et al. J Clin Psychol 27:321-4, Jul 71
The violent 4-3 MMPI personality type. Persons RW, et al. J Consult Clin Psychol 36:189-96, Apr 71
Further validation of antisocial personality types. Stein KB, et al. J Consult Clin Psychol 36:177-82, Apr 71
Sexual and aggressive fantasies in violent and non-violent prison inmates. Beit-Hallahmi B. J Pers Assess 35:326-30, Aug 71
Sociopathy and serial learning of CVC combinations with high and low social content ratings. Sutker PB, et al. J Pers Soc Psychol 17:158-62, Feb 71
On the misbehavioral nature of man. Perera GA, et al. JAMA 216:877-8, 3 May 71
Psychopathology and perception of physiques. Miller AR, et al. Percept Mot Skills 32:475-8, Apr 71
Some problems in the conception of sociopathy. Barocas R. Psychiatr Q 44:674-86, 1970
Raven Progressive Matrices avoidable errors as a measure of psychopathological ideational influences upon reasoning ability. Fracchia J, et al. Psychol Rep 26:359-62, Apr 70
16-PF study of personality patterns in alcoholics. Lawlis GF, et al. Q J Stud Alcohol 32:318-27, Jun 71
[Society and toxicomaniac appetence] Carrère J.
Ann Med Psychol (Paris) 2:85-92, Jun 70 (Fre)
[The psychopathic personality as a chronic mental disease] Certcov D.
Ann Med Psychol (Paris) 1:215-21, Feb 71 (Fre)
[Various theoretical and methodologic aspects of psychiatric medico-legal testimony] Scripcaru G, et al.
Med Leg Domm Corpor (Paris) 2:236-42, Jul-Sep 69 (Fre)
[Tattooing. Medico-psychological study of 100 cases observed in selection center No 4] Martin de Lassalle H, et al.
Rev Corps Sante Armees 11:343-55, Dec 70 (Fre)
[Syndrome of lack of authority from its origin to its outcome] Sutter JM.
Union Med Can 98:1350-7, Aug 69 (Fre)
[Criminal aggression and neurotic ideology] Müller-Küppers M.
Prax Kinderpsychol Kinderpsychiatr 20:3-8, Jan 71 (Ger)
[Neurotic personality development and power of containment of neuroses in relation to certain factors of the present social conditions] Motta E.
Acta Neurol (Napoli) 25:362-71, May-Jun 70 (Ita)
[Psychopathological dynamics causing participation of adolescents in gangs] Bernardi S, et al.
Minerva Pediatr 22:2147-50, 3 Nov 70 (Ita)
[Social aspects and criminologic reflections in psychoneuroses] Ferrari M.
Osp Psichiatr 33:208-43, Jan-Jun 70 (35 ref.) (Ita)
[Various clinical aspects of suicidal tendencies in psychopathic personalities] Pelipas VE.
Zh Nevropatol Psikhiatr 70:914-9, 1970 (Rus)

CLASSIFICATION

[Eccentric personalities, so-called psychopaths] Björkman E.
Odontol Foren Tidskr 33:203-10, 1969 (Swe)

COMPLICATIONS

[Difficulties in carrying out the precautions against injudicious infectious tuberculosis patients in Austria] Braun K.
Wien Med Wochenschr 120:989-91, 19 Dec 70 (Ger)

DIAGNOSIS

Diagnostic consistency in antisocial personality. Guze SB, et al. Am J Psychiatry 128:360-1, Sep 71
Adult psychiatric status of black schoolboys. Robins LN, et al. Arch Gen Psychiatry 24:338-45, Apr 71
Inhibition of humor enjoyment: differential effects with traditional diagnostic categories. Verinis JS. J Gen Psychol 82:157-63, Apr 70
Infanticide. Lukianowicz N.
Psychiatr Clin (Basel) 4:145-58, 1971
Psychopathy, repression-sensitization, and anxiety. Kilpatrick DG, et al. Psychol Rep 28:615-8, Apr 71
[Findings on the retinal and neuromuscular excitability induced by electrostimulation according to the intensity-duration curves in mental patients] Leoni G. Riv Sper Freniatr 93:988-1004, 31 Aug 69 (Ita)

DRUG THERAPY

[Use of lithium salts for prevention of affective attacks] Rumiantseva GM, et al.
Zh Nevropatol Psikhiatr 70:1712-8, 1970 (Rus)

ETIOLOGY

Episodic dyscontrol: a study of 130 violent patients. Bach-y-Rita G, et al.
Am J Psychiatry 127:1473-8, May 71
Another thyrotoxic criminal? Dituri F.
Ann Intern Med 75:478-9, Sep 71
[Psychiatric medicolegal aspects of investigation of the subjective factor in delinquency] Scripcaru G, et al.
Rev Med Chir Soc Med Nat Iasi 75:41-6, Jan-Mar 71 (Rum)

FAMILIAL & GENETIC

Depressive disease: a genetic study. Winokur G, et al.
Arch Gen Psychiatry 24:135-44, Feb 71
Chromosomal abnormalities and antisocial behavior. Ferdon NM. J Gen Psychol 118:281-92, Jun 71
Chromosome errors in men with antisocial behavior. Comparison of selected men with Klinefelter's syndrome and XYY chromosome pattern. Baker D, et al. JAMA 214:869-78, 2 Nov 70
[Social disadaptation: data on MZ and DZ twins] Gaffuri G.
Acta Genet Med Gemellol (Roma) 19:174-5, Jan-Apr 70 (Ita)

IMMUNOLOGY

Association between psychopathic disorder and serum antibody to herpes simplex virus (type 1). Cleobury JF, et al. Br Med J 1:438-9, 20 Feb 71

PHYSIOPATHOLOGY

EEG aspects in psychopathy and psychopathoid states. Predescu V, et al.
Electroencephalogr Clin Neurophysiol 30:361, Apr 71
Autonomic reactivity to sensory stimulation in psychopathic, neurotic, and normal juvenile delinquents. Borkovec TD.
J Consult Clin Psychol 35:217-22, Oct 70

REHABILITATION

[Social therapeutic institutions in various European countries] Gschwind M.
Z Psychother Med Psychol 20:59-65, Mar 70 (Ger)
[Social therapy during the execution of punishment] Mauch G.
Z Psychother Med Psychol 20:66-75, Mar 70 (Ger)
[The psychotherapeutic situation during the execution of punishment] Sluga W.
Z Psychother Med Psychol 20:75-83, Mar 70 (Ger)

THERAPY

Crime prevention by the indeterminate sentence law. Hodges EF. Am J Psychiatry 128:291-5, Sep 71
Psychopaths and hospital. Franklin LM.
NZ Med J 68:42-3, Jul 68

SOCIOSYNTONIC PERSONALITY DISORDERS see

under SOCIOPATHIC PERSONALITY (F2)

SODIUM (D1)

see also related
HYPERNATREMIA (C13)
HYPONATREMIA (C13)
NATRIURESIS (G1)

Sodium ion binding in isolated corneal stroma. Green K, et al. Am J Physiol 220:520-5, Feb 71
Direct evidence for the conformational nature of the Na+, K plus-ATPase system: fluorescence and circular dichroism studies. Nagai K, et al.
Arch Biochem Biophys 139:252-4, Jul 70
Phosphatase activity stimulated by Na+ plus K+: implications for the (Na+ plus K+)-dependent adenosine triphosphatase. Robinson JD.
Arch Biochem Biophys 139:164-71, Jul 70
Interactions between monovalent cations and the (Na+ + K+)-dependent adenosine triphosphatase. Robinson JD. Arch Biochem Biophys 139:17-27, Jul 70
Effect of ionic concentration changes on membrane potential of perfused rat liver. Claret M, et al.
Arch Int Physiol Biochim 78:531-45, Aug 70
Pulmonary alveolar macrophage. Membrane associated sodium ion, potassium ion, and magnesium ion adenosine triphosphatase system. Cross CE, et al.
Arch Intern Med 127:1069-77, Jun 71
The selectivity of human dental enamel to ionic transport. Waters NE. Arch Oral Biol 16:305-22, Mar 71
Conformation of the Na+ complex of antamanide in solution. Ivanov VT, et al.
Biochem Biophys Res Commun 42:654-63, 19 Feb 71
Phosphorylation of a purified (Na + +K +) adenosine triphosphatase. Kyte J.
Biochem Biophys Res Commun 43:1259-65, 18 Jun 71
The cerebral sodium-plus-potassium ion-stimulated adenosine triphosphatase of bovine brain and its microsomal matrix. Pull I, et al.
Biochem J 119:367-76, Sep 70
Chemical modification of a cerebral sodium-plus-potassium ion-stimulated adenosine triphosphatase preparation. Pull I.
Biochem J 119:377-85, Sep 70
Effect of monovalent cations on the ouabain inhibition of the sodium and potassium ion activated adenosine triphosphatase. Barnett RE.
Biochemistry 9:4644-8, 24 Nov 70
Independence of the sodium and potassium conductance channels. A kinetic argument. Hoyt RC.
Biophys J 11:110-22, Jan 71
On making models of the sodium inactivation of axonal membranes. Jakobsson E, et al.
Biophys J 11:385-6, Apr 71
Sodium ion binding to pepsin and other proteins. Clement GE, et al. Can J Biochem 49:477-83, May 71
The effect of quaternary ammonium derivatives of bile acids on the rate of swelling of Pseudomonas aeruginosa in solutions of sodium and potassium salts. Bernheim F, et al. Can J Microbiol 17:323-7, Mar 71
Aldosterone-elicited sodium appetite. Weisinger RS, et al. Endocrinology 89:538-44, Aug 71
The effect of different sodium-contents in the diet and of hydrochlorothiazide on calcium and strontium transport and on vitamin D activity. Macagno F, et al.
Helv Paediatr Acta 25:620-5, Dec 70
Isolation of sodium as a cause of ventricular fibrillation. Snyder C, et al. Invest Radiol 6:245-8, Jul-Aug 71
Interactions of basic proteins with phospholipid membranes. Binding and changes in the sodium permeability of phosphatidylserine vesicles. Kimelberg HK, et al. J Biol Chem 246:1142-8, 25 Feb 71
Comparative properties of high potassium and low potassium sheep erythrocyte membrane sodium-activated adenosine triphosphatase. Whittington ES, et al.
J Biol Chem 246:3518-23, 10 Jun 71
Sodium appetite in rats after apparent recovery from acute sodium deficiency. Jalowiec JE, et al.
J Comp Physiol Psychol 73:238-44, Nov 70
Effects of monovalent cations on the sodium-alanine interaction in rabbit ileum. Implication of anionic groups in sodium binding. Frizzell RA, et al.
J Gen Physiol 56:462-90, Oct 70
Ultrastructure of adrenal glands in sodium-deficient pregnant rats. Smicikias HA, et al.
J Nutr 101:1045-55, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

New design for sodium-sensitive glass micro-electrode. Thomas RC. J Physiol (Lond) 210:82P-83P, Sep 70
Dialysed milk in low-sodium and low-potassium diets for renal, hepatic, and cardiac disease. Berlyne GM, et al. Lancet 2:24-5, 3 Jul 71
Localization of Na plus-K +,MG ++ adenosinetriphosphatase activity in pulmonary alveolar macrophage subcellular fractions. Mustafa MG, et al. Life Sci [I] 9:947-54, 15 Aug 70
Sodium conductance activation without inactivation in pronase-perfused axons. Rojas E, et al. Nature [New Biol] 229:177-8, 10 Feb 71
Oxygen uptake by rat jejunum in media devoid of Na+. Jordana R, et al. Rev Esp Fisiol 27:155-61, Jun 71
[Change in sodium conductance of the nodal membrane as a function of Na+ ion concentration] Dubois JM, et al. C R Acad Sci [D] (Paris) 272:2796-9, 2 Jun 71 (Fre)
[Sodium-free diet] Gareau PE. Laval Med 41:1059, Oct 70 (Fre)
[Mechanism of increased toxicity of k-strophanthin in adrenalectomized rats] Borsch E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:300, 1970 (Ger)
[Influencing the water solubility of caffeine. Influence of sodium salts on aliphatic acids] Schulte KE, et al. Pharmazie 25:762-8, Dec 70 (Ger)
[Dissolution of aluminosilicates in hydrochloric acid solutions. I. Dissolution rates of cations and change in specific surface area of the residues. Nakagaki M, et al. J Pharm Soc Jap 91:867-73, Jun 71 (Jap)
[Cycloserine sorption by sulfocation exchange resin from a solution containing hydrogen and sodium ions] Iakhontova LF, et al. Antibiotiki 15:703-7, Aug 70 (Rus)
[Effect of alkaline metal ions on DNA secondary structure. IV. Thermal denaturation of alkaline metal deoxyribonucleates in solutions of low ionic strength] Kuznetsov IA, et al. Biofizika 16:144-8, Jan-Feb 71 (Rus)
[Effect of acetylphosphate and inorganic phosphate on the interaction of Na plus minus K plus minus ATPase with ouabain] Malysheva MK, et al. Biokhimiia 35:717-20, Jul-Aug 70 (Rus)
[Na and K-activated brain ATP-ase and its extraction using detergents] Palladin AV, et al. Biokhimiia 35:404-11, Mar-Apr 70 (Rus)
[Hygienic assessment of the sodium salt of parachlorobenzene sulfomic acid and chloral as a factor in pollution of water reservoirs] Kriatov IA. Gig Sanit 35:14-9, Mar 70 (Rus)
[Hygienic standardization of the level of propionic acid and its sodium salt in water reservoirs] Shchepetova GA. Gig Sanit 35:96-8, Mar 70 (Rus)
[Experience in the preparation of blood in preserving solution containing EDTA Na 2] Kalugina GN, et al. Probl Gematol Pereliv Krovi 16:37-9, Jan 71 (Rus)
[Study of terminal uremia and its treatment. 3. Acute pressor effects in terminal chronic uremia of peritoneal dialysis, solutions of different osmolarity and sodium concentration] Caralps A, et al. Rev Clin Esp 117:145-50, 30 Apr 70 (Spa)
[Various economic considerations of the use of synthetic bases in the preparation of emulsions and ointments] Efdel'man KL, et al. Farm Zh 25:48-51, 1970 (Ukr)
[Use of sodium diethyldithiocarbamate for the extraction-photometric determination of stypticin, rivanol, acrichine and aminoacrichine] Gordon EI, et al. Farm Zh 25:63-8, 1970 (Ukr)

ADMINISTRATION & DOSAGE

A comparison of sodium and methylglucamine diatrizoate in clinical urography. Dacie JE, et al. Br J Radiol 44:51-4, Jan 71
Sodium or methylglucamine? A comparison of iothalamates in urography. Pearson MC, et al. Br J Radiol 44:55-7, Jan 71
Diabetic ketoacidosis. Zwillich CW. JAMA 211:829, 2 Feb 70
[Effects of food preservatives on the survival rate of rats following whole-body irradiation. 2. I. Lactic acid, II. Lactose, 3. Sorbic acid, IV. Sodium phosphate] Peters K, et al. Strahlentherapie 139:362-71, Mar 70 (Ger)
[Inhibitions with haptens in penicillin allergy] Werner HP, et al. Wien Klin Wochenschr 83:194-6, 19 Mar 71 (Ger)
[Sorption of mineral and organic ions by low swelling polymerization cation exchange resins] Bogatskii MA, et al. Antibiotiki 15:883-8, Oct 70 (Rus)
[Pharmacology of fucidin] Bykova MA, et al. Antibiotiki 16:216-7, Mar 71 (Rus)
[Interaction of the polyenic antibiotics levorin and amphotericin B with cholesterol] Klimov AN, et al. Antibiotiki 16:243-7, Mar 71 (Rus)
[Diuretic effect of penicillin] Rudzit EA, et al. Antibiotiki 16:122-4, Feb 71 (Rus)
[Effect of antirheumatic agents on the autoimmune reaction in vitro] Sachkov VI, et al. Farmakol Toksikol 34:77-9, 1971 (Rus)
[Effect of sodium oxybutyrate on oxidative processes in the brain] Vysotskaia NB, et al. Farmakol Toksikol 33:515-7, Sep-Oct 70 (Rus)
[Treatment of lead poisoning. Comparison between the effect of sodium calcium EDTA and penicillamine used orally and intravenously] Selander S. Arh Hig Rada Toksikol 20:857, 1969 (Cro)
[Experiences with oral and parenteral use of CaNa2 EDTA] Vasiljević S, et al. Arh Hig Rada Toksikol 20:879-86, 1969 (Cro)

ADVERSE EFFECTS

Electron microscope observations on form changes in photoreceptor outer segments and their saccules in response to osmotic stress. Cohen AI. J Cell Biol 48:547-65, Mar 71
[Behavior of blood sodium in relation to the sodium bicarbonate administration in premature infants] Belloni C, et al. Minerva Pediatr 22:1904-5, 22 Sep 70 (Ita)

ANALYSIS

Shock reactions in skeletal muscle. IV. The effect of hypothermic treatment on cellular electrolyte responses to haemorrhagic shock. Hagberg S, et al. Acta Chir Scand 136:23-8, 1970
Total exchangeable sodium in chronic nephropathy with and without hypertension. Friis T, et al. Acta Med Scand 188:65-74, Jul-Aug 70
Elevation of plaque sodium content and pH through a bicarbonate-phosphate addition to sucrose. Luoma H, et al. Acta Odontol Scand 29:85-94, Apr 71
Tear concentrations of sodium and potassium during adaptation to contact lenses. II. Potassium observations. Miller RB. Am J Optom 47:773-9, Oct 70
Functional extracellular space of smooth muscle in vitro. Stephenson EW. Am J Physiol 220:1728-33, Jun 71
Neutron activation analysis of rat bone: simultaneous determination of calcium, chlorine, magnesium, and sodium. Conaway HH, et al. Anal Biochem 39:218-27, Jan 71
Analysis of picomole quantities of Ca, Mg, K, Na, and Cl in biological samples by ultramicro flame spectrophotometry. Haljamäe H, et al. Anal Biochem 42:155-70, Jul 71
Measurement of tissue calcium, magnesium, sodium, and potassium by flame spectrophotometry: aspects of methodology and instrumentation. McBroom MJ, et al. Anal Biochem 42:178-90, Jul 71
Activated oxygen ashing of biological specimens for the microdetermination of Na, K, Mg, and Ca by atomic absorption spectrophotometry. Sanui H. Anal Biochem 42:21-8, Jul 71
Neutron activation analysis of manganese and sodium in bacterial cells. Krueger WB, et al. Appl Microbiol 20:946-50, Dec 70
Secondary chloride-losing diarrhoea. Observations on stool electrolytes in infants after bowel surgery. Aaronson I. Arch Dis Child 46:479-82, Aug 71
The effects of acute and prolonged lithium treatment on the distribution of electrolytes, potassium and sodium. Ho AK, et al. Arch Int Pharmacodyn Ther 186:54-65, Jul 70
Changes in inner ear fluids. Silverstein H, et al. Arch Otolaryngol 93:112, Jan 71
A simple method of collecting saliva to determine the sodium status of cattle and sheep. Murphy GM, et al. Aust Vet J 46:595-8, Dec 70
A nuclear magnetic resonance study of 23Na+ complexing by ionophores. Haynes DH, et al. Biochemistry 10:852-60, 2 Mar 71
Na+ and K+ in outer segments of retinal rods. Etingof RN, et al. Biochim Biophys Acta 205:459-63, 30 Jun 70
Effects of transient occlusion of coronary circulation on catecholamine and electrolyte gradients in human atrium. Taggart P, et al. Br Heart J 33:809, Jul 71
Gastrointestinal replacement solution. Badoe EA. Br Med J 3:622-3, 12 Sep 70
Body water and electrolyte composition in acute renal failure. Graham JA, et al. Can Med Assoc J 104:1000-3, 5 Jun 71
The influence of air and natural gas flow rates on interferences in atomic absorption spectroscopy. Reed MF, et al. Clin Chim Acta 30:829-30, Dec 70
Potassium and sodium distribution in cardiac failure. Cox JR, et al. Clin Sci 41:55-61, Jul 71
The effect of enzymatic depolymerization of arterial mucopolysaccharides on sodium ion content and vessel reactivity. Harris GS, et al. Clin Sci 40:293-303, Apr 71
Potassium, sodium, magnesium and calcium contents of Chinook salmon tissues during various stages of the life cycle. Snodgrass PJ, et al. Comp Biochem Physiol 38:99-119, 1 Jan 71
Radioactive albumin, red blood cells, and sodium as indicators of tissue damage after frostbite. Kettelkamp DB, et al. Cryobiology 8:79-83, Feb 71
Effect of aldosterone on mammalian eccrine sweat glands. Collins KJ, et al. Experientia 26:1313-4, 15 Dec 70
Tissue sodium and potassium: direct detection in the electron microscope. Hodson S, et al. Experientia 26:1283-4, 15 Nov 70
Localization of ions in the mesophyll cells of the succulent halophyte Suaeda monoica Forssk. by x-ray microanalysis. Waisel Y, et al. Experientia 27:230-2, 15 Feb 71
Average milk and mineral intakes (calcium, phosphorus, sodium and potassium) of infants in the United States from 1954 to 1968; implications for estimating annual intakes of radionuclides. Durbin PW. Health Phys 19:187-222, Aug 70
Corneal exposure. Sodium concentration in aqueous and lens changes. Bronson LJ, et al. Invest Ophthalmol 10:144-6, Feb 71
Experimental rehydration of cryopreserved corneal tissue. Edelhauser HF, et al. Invest Ophthalmol 10:100-7, Feb 71
Cation changes in the lens and aqueous during the induction of acute reversible lens opacity in the hamster. Peterson LH. Invest Ophthalmol 10:147-50, Feb 71
Sodium content of contrast media. Fischer HW. Invest Radiol 5:266-7, Jul-Aug 70
Electrolyte, water and urea content of dog kidney in acute salt depletion. Khoyi MA, et al. Isr J Med Sci 6:351-7, May-Jun 70
Relationship of sweat sodium concentration to blood pressure in control subjects and in patients with essential and renal hypertension. Levi J, et al. Isr J Med Sci 6:685-8, Sep-Oct 70
Sodium and potassium in Coke. Austin HL. J Am Diet Assoc 58:451, May 71
Direct determination of sodium in soybean oil by flame photometry. Black LT. J Am Oil Chem Soc 47:313-5, Sep 70
Influence of acclimatization on sweat sodium concentration. Allan JR, et al. J Appl Physiol 30:706-12, May 71
The distribution of inorganic cations in mouse testis. Electron microscope and microprobe analysis. Kierszenbaum AL, et al. J Cell Biol 48:314-23, Feb 71
The intracellular localization of inorganic cations with potassium pyroantimonate. Electron microscope and microprobe analysis. Tandler CJ, et al. J Cell Biol 45:355-66, May 70
The concentrations of water, sodium and potassium in the nucleus and cytoplasm of amphibian oocytes. Century TJ, et al. J Cell Sci 7:5-13, Jul 70
Changes in bone sodium and carbonate in metabolic acidosis and alkalosis in the dog. Burnell JM. J Clin Invest 50:327-31, Feb 71
The effect of large doses of Haemonchus contortus on the level of plasma pepsinogen and the concentration of electrolytes in the abomasal fluid of sheep. Coop RL. J Comp Pathol 81:213-9, Apr 71
An analysis of the histochemical procedure for sodium ion detection. Shiina SI, et al. J Histochem Cytochem 18:644-9, Sep 70
The specificity of the pyroantimonate technique to demonstrate sodium. Torack RM, et al. J Histochem Cytochem 18:635-43, Sep 70
The electrolyte composition of pharmacologically and thermally stimulated sweat: a comparative study. Sato K, et al. J Invest Dermatol 55:433-8, Dec 70
Sodium and potassium content of normal and neoplastic rodent astrocytes in cell culture. Lees MB, et al. J Neuropathol Exp Neurol 30:139, Jan 71
Measurement of total-body calcium, sodium, chlorine, nitrogen, and phosphorus in man by in vivo neutron activation analysis. Cohn SH, et al. J Nucl Med 12:499-505, Jul 71
Effect of exogenous mineralocorticoids on sweat sodium in cystic fibrosis. Pereira C, et al. J Pediatr 78:1036-7, Jun 71
A method of determining photoreceptor ion contents. Arden GB, et al. J Physiol (Lond) 216:5P-7P, Jul 71
The effect of cell size on the Na and K concentrations in single oocytes of Bufo bufo. Cannon JD, et al. J Physiol (Lond) 211:Suppl:51P+, Dec 70
Sodium content of rat renal medulla during water diuresis. Davies HE, et al. J Physiol (Lond) 213:72P-73P, Mar 71
The effects of prolonged treatment with ouabain on Na, K and Ca levels in cultured cells. Lamb JF, et al. J Physiol (Lond) 206:33P-34P, Feb 70
Sodium and urea concentrations in renal papillary fluid of rats, with dehydration and vasopressin (Pitressin) administration. Lee J, et al. J Physiol (Lond) 215:41P-42P, May 71
Ionic composition of guinea-pig mammary cells. Linzell JL, et al. J Physiol (Lond) 207:37P-38P, Mar 70
Distribution of ions and electrical potential differences between mother and foetus at different gestational ages in goats and sheep. Mellor DJ. J Physiol (Lond) 207:133-50, Mar 70
Intracellular concentrations of sodium, potassium and chloride in the salt-gland of the domestic goose and their relation to the secretory mechanism. Peaker M. J Physiol (Lond) 213:399-410, Mar 71
Changes in ion content in heat-treated Tetrahymena cells. Holm BJ. J Protozool 17:615-8, Nov 70
Major cations in the semen of Angoni (short-horn Zebu) bulls. Igboeli G, et al. J Reprod Fertil 24:377-81, Mar 71
Pre- and postmortem studies of lung fluids and electrolytes. Gump FE, et al. J Trauma 11:474-82, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Electron microscopic study on distribution of sodium and potassium ion in cardiac ventricle muscle cells influenced by ouabain. Shiina SI, et al. Jap Circ J 34:793-7, Sep 70

Strophanthin-G toxicity and sodium ions. Sugimoto J, et al. Jap Circ J 34:725-32, Aug 70

Water, dry solids, and electrolyte composition of the ventricular myocardium in the developing rat. Hazlewood CF, et al. Johns Hopkins Med J 127:136-45, Sep 70

Variations of sweat sodium values in children and adults with cystic fibrosis and other diseases. Jones JD, et al. Mayo Clin Proc 45:768-73, Nov-Dec 70

Intracellular pH and electrolyte content of skeletal muscle in patients with chronic acidosis. Maschio G, et al. Nephron 7:481-7, 1970

Potassium and sodium content in dentinal fluid. HallJamäe H, et al. Odontol Revy 21:369-77, 1970

Neutron activation analysis technique for nail sodium concentration in cystic fibrosis patients. Johnson GF, et al. Pediatrics 47:88-93, Jan 71

Electrolyte concentrations in primary and final saliva of the rat sublingual gland studied by micropuncture and catheterization techniques. Martin CJ, et al. Pfluegers Arch 324:344-60, 1971

A 0,1 nanoliter glass capillary electrode. Stackelberg WF von. Pfluegers Arch 321:274-82, 1970

The effect of ethacrynic acid on perilymph Na and K. Wilson KS, et al. Pract Otorhinolaryngol (Basel) 32:279-87, 1970

Potassium and sodium content and acid production of nongrowing cariogenic streptococci. Luoma H. Scand J Dent Res 79:202-8, 1971

Ethacrynic acid effect on the composition of cochlear fluids. Cohn ES, et al. Science 171:910-1, 5 Mar 71

Sodium localization in the choroid plexus. Tani E, et al. Z Zellforsch Mikrosk Anat 112:42-53, 1971

[Study of potassium, sodium and calcium serum levels in pregnant women and placental potassium and sodium at the time of normal and prolonged labor] Mincheva M, et al. Akush Ginekol (Sofiia) 9:203-8, 1970 (Bul)

[Our experience with the determination of sodium and chlorides in sweat] Plachý V, et al. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:191-6, 1970 (Cze)

[Cation composition of slices of rat cerebral cortex. I. Influence of the amount of K+ in saline solutions] Franck G. Arch Int Physiol Biochim 78:275-88, Apr 70 (Fre)

[Changes in the inorganic cation component of hemolymph during development and metamorphosis of some lepidopterans] Naoumoff M, et al. Arch Int Physiol Biochim 78:357-65, Apr 70 (Fre)

[Fasting and refeeding in the carp (Cyprinus carpio). II. Importance of electrolytic factors] Creach Y, et al. Arch Sci Physiol (Paris) 24:253-65, 1970 (Fre)

[Effects of riboflavin deficiency on several mineral elements of feta-maternal tissues of rat] Potier de Courcy G, et al. Arch Sci Physiol (Paris) 24:181-95, 1970 (Fre)

[Water-electrolyte changes produced in mouse tissues by toxic doses of ethanol] Thomas HM, et al. Food Cosmet Toxicol 6:33-8, Jun 68 (Fre)

[Potassium and sodium content in various parts of the cardiac and skeletal muscles in horses] Sander H, et al. Arch Exp Veterinaermed 23:881-8, 1969 (Ger)

[Potentiometric sodium ion determination in biologically interesting fluids. 1. Experiences with sodium sensitive glass electrode for pancreatic measurements] Neumann K, et al. Dtsch Gesundheitsw 26:1412-4, 22 Jul 71 (Ger)

[Sodium-potassium quotient in the parotid saliva during pregnancy] Schübel F. Dtsch Zahnaerztl Z 25:1084-90, Nov 70 (Ger)

[Effect of trapped plasma on the determination of intra-erythrocytic electrolyte values] Sieberth HG. Med Welt 4:134-40, 23 Jan 71 (Ger)

[Potentiometric determination of potassium and sodium in drug solutions] Johannesen B. Mitt Dtsch Pharm Ges 41:3-17, Jan 71 (Ger)

[Sodium, zinc and managanese available to dairy cows grazing on weathered soils of different geological origins, as determined by analysis of the black hairs of the cattle, and of hops and purple clover] Schellner G. Monatsh Vet Med 26:249-55, 1 Apr 71 (Ger)

[Distribution of Na+ and K+ under the influence of temperature gradients (model of a thermally operated ion pump] Harth O, et al. Pfluegers Arch 323:158-72, 1971 (Ger)

[Permanent hypertension and changes in the sodium-potassium content of the aortic wall following angiotensin II infusions in rats] Saleh M, et al. Z Gesamte Exp Med 153:306-12, 23 Aug 70 (Ger)

[Experimental studies of the interlabyrinthine connections of the ear] Vaida A, et al. Z Laryngol Rhinol Otol 49:490-6, Aug 70 (Ger)

[Studies on calcium, sodium and potassium content in the bodies of full-grown pigs] Helfferich B, et al. Z Tierphysiol 21:263-70, Sep 66 (Ger)

[Changes in the contents of water, sodium and potassium in the large intestine of cattle and sheep] Pfeiffer E, et al. Z Tierphysiol 25:344-50, Dec 69 (Ger)

[Sweat sodium and potassium concentration in relation to the urinary aldosterone excretion rate and exogenous desoxicorticosterone in normal subjects] Mantero F. Acta Isot (Padova) 10:47-63, 15 Dec 69 (Ita)

[Comparative study of sodium in nails and sweat of cystic fibrosis patients] Antonelli M, et al. Fracastoro 63:335-9, May-Aug 70 (Ita)

[Analysis of sodium in the nails by means of neutron activation] Caramello Gandolfo MT, et al. Fracastoro 63:340-6, May-Aug 70 (Ita)

[Effect of photocoagulation of the iris with laser on the Na plus-K plus equilibrium of the humor and lens] Sbordone M, et al. Minerva Oftalmol 11:96-8, May-Jun 69 (Ita)

[Behavior of sodium, potassium, calcium and chloride ions in the sweat of children with rheumatic fever and bronchial asthma treated with prednisone] Szczebel-Domanasiewicz M. Pediatr Pol 46:443-55, Apr 71 (Pol)

[Elimination of sodium and potassium in the sweat of patients with arterial hypertension] Wodniecki J, et al. Pol Arch Med Wewn 45:803-7, 1970 (Pol)

[Effect of prednisone on the volume, pH, sodium, potassium and hydrochloric acid concentration and pepsin activity in gastric juice] Florkiewicz H. Pol Tyg Lek 26:502-5, 5 Apr 71 (Pol)

[Sodium, potassium and calcium concentrations in amniotic fluid in pregnancy and labor] Marianowski L, et al. Pol Tyg Lek 26:260-2, 22 Feb 71 (Pol)

[Gastric secretion of electrolytes in patients with duodenal ulcer treated by radical vagotomy and pyroloplasty] Szafran Z, et al. Przegl Lek 26:820-3, 1970 (Pol)

[Sodium and potassium in the outer segments of the retina] Etingof RN, et al. Dokl Akad Nauk SSSR 189:1407-10, 21 Dec 69 (Rus)

[Effect of caffeine on the content of potassium and sodium ions in different sections of the brain] Absava GI. Farmakol Toksikol 34:18-21, 1971 (Rus)

[Radioenzymatic analysis of ATP drugs] Meerov GI. Farmatsiia 17:76-8, May-Jun 68 (Rus)

[Potassium and sodium levels in the cardiac muscle in sudden death from acute coronary insufficiency] Opaleva-Stegantseva VA, et al. Kardiologiia 10:79-84, Oct 70 (Rus)

[Ion displacements in outer segments of retinal rods] Etingof RN, et al. Ukr Biokhim Zh 43:60-7, 1971 (Rus)

[A simple and economical method of obtaining gastroionograms] Meeroff JC. Rev Esp Enferm Apar Dig 34:149-64, 15 Apr 71 (Spa)

[Qualitative color reactions and quantitative flame photometric determination of sodium nucleinate and sodium ATP] Shamotienko HD. Farm Zh 25:33-7, 1970 (Ukr)

[Ratio of calcium, potassium and sodium ion excretion with bile during administration of complex mineral solution into the organism] Gmitrova AD. Fiziol Zh 16:669-72, Sep-Oct 70 (Ukr)

[Changes in electrolyte composition of stomach mucosa and gastric juice of dogs during prolonged intensive secretory activity of gastric glands] Olefnik IF. Fiziol Zh 17:215-21, Mar-Apr 71 (Ukr)

ANTAGONISTS & INHIBITORS

Effect of inhibitors of sodium transport on response of toad bladder to ADH and cyclic AMP. Mendoza SA, et al. Am J Physiol 219:1440-5, Nov 70

The effects of an inhibitor of Na plus -K plus -active transport on the secretory activity of rat submaxillary gland cell cultures. Gallagher JT, et al. Z Zellforsch Mikrosk Anat 117:314-21, 1971

BLOOD

Adsorption of sodium and water by collagen during hemorrhagic shock. Fulton RL. Ann Surg 172:861-9, Nov 70

The relationship between electrolyte and acid-base balance in the premature infant during early postnatal life. Sulyok E. Biol Neonate 17:227-37, 1971

A new variant of hereditary hemolytic anemia with stomatocytosis and erythrocyte cation abnormality. Miller DR, et al. Blood 38:184-204, Aug 71

Changes in erythrocyte sodium and potassium on recovery from a depressive illness. Naylor GJ, et al. Br J Psychiatry 118:219-23, Feb 71

Red cell sodium in hyperthyroidism. Goolden AW, et al. Br Med J 2:552-4, 5 Jun 71

Studies on diarrhea in neonatal calves. 3. Acid-base and serum electrolyte values in normal calves from birth to ten days of age. Butler DG, et al. Can J Comp Med 35:36-9, Jan 71

A clinically useful method for determining erythrocyte sodium and potassium. Helbock HJ, et al. Clin Chem 17:106-10, Feb 71

Direct potentiometric determination of potassium and sodium in blood, plasma, and serum. Miyada DS, et al. Clin Chem 17:27-30, Jan 71

Automated flame photometry of serum sodium and potassium. Pennacchia G, et al. Clin Chem 17:339-40, Apr 71

Capillary blood potassium, chloride, sodium, calcium, phosphorus and alkaline phosphatase in the newborn. Izquierdo JM, et al. Clin Chim Acta 30:343-6, Nov 70

Effect of prolactin on survival and plasma sodium levels in hypophysectomized medaka Oryzias latipes. Utida S, et al. Gen Comp Endocrinol 16:566-73, Jun 71

The relationship between age and sodium metabolism in human erythrocytes. Naylor GJ. Gerontologia 16:217-22, 1970

Electrolyte studies in infantile diarrhoea. Mehta JB, et al. Indian Pediatr 6:768-72, Dec 69

Sodium outflux and ATPase activity in human and rabbit erythrocytes. Gardner JD, et al. J Appl Physiol 31:161-3, Jul 71

The relative effects of serum sodium concentration and the state of body fluid balance on renin secretion. Gordon RD, et al. J Clin Endocrinol Metab 32:117-9, Jan 71

Studies on hyperkalemic periodic paralysis. Evidence of changes in plasma Na and Cl and induction of paralysis by adrenal glucocorticoids. Streeten DH, et al. J Clin Invest 50:142-55, Jan 71

Effect of some steroid contraceptives on serum inorganic constituents of lactating goats. Abdel Kader MM, et al. J Egypt Med Assoc 53:170-8, 1970

Ionic content of haemolymph in the cockroach, Periplaneta americana. A critical analysis. Pichon Y. J Exp Biol 53:195-209, Aug 70

Sodium movements in the human red blood cell. Sachs JR. J Gen Physiol 56:322-41, Sep 70

Ammonium chloride as an adjuvant to diphenylhydantoin therapy, and pH, base bicarbonate and sodium in the serum of forty mentally subnormal epileptics. Viukari NM. J Ment Defic Res 14:85-94, Mar 70

Composition of amniotic fluid and maternal blood through pregnancy. Lind T, et al. J Obstet Gynaecol Br Commonw 78:505-12, Jun 71

Effects of prolonged administration of vasopressin on plasma sodium and on renal excretion of electrolytes and water. Chan WY. J Pharmacol Exp Ther 178:141-51, Jul 71

Sodium pump reversal in the erythrocytes of various species. Ellory JC, et al. J Physiol (Lond) 206:36P-37P, Feb 70

Avian salt-gland blood flow and the extraction of ions from the ilasma. Hanwell A, et al. J Physiol (Lond) 207:83P-84P, Apr 70

Erythrocyte sodium and potassium in depre- ssive illness. Naylor GJ, et al. J Psychosom Res 14:173-7, Jun 70

The plasma control of erythrocyte sodium and potassium metabolism in depressive illness. Naylor GJ, et al. J Psychosom Res 14:179-86, Jun 70

Changes in plasma total osmotic pressure and sodium and potassium concentrations after exercise. Novak LP, et al. J Sports Med Phys Fitness 10:248-53, Dec 70

Constant infusion of hypertonic saline in the dog. V. The relative importance of plasma Na concentration and GFR as the determinants of renal Na excretion. Nagasaka M, et al. Jap Heart J 11:541-9, Nov 70

The effect of the administration of cortisol on the levels of cortisol and electrolytes in blood and cerebrospinal fluid in man. Uete T, et al. Metabolism 20:319-25, Mar 71

Ethnic differences in human blood cell sodium concentration. Munro-Faure AD, et al. Nature (Lond) 231:457-8, 18 Jun 71

Interpretation of electrolytes in the matabolic profile. I. Sodium. Casey AE, et al. South Med J 64:337-41, Mar 71

Changes in intracellular sodium content of red blood cells in hemorrhagic shock. Cunningham JN Jr, et al. Surg Forum 21:38-40, 1970

[Water-mineral metabolism in Vietnamese. Determination of plasma electrolyte balance] Phan The Tran, et al. Bull Soc Pathol Exot 64:238-42, Mar-Apr 71 (Fre)

[The blood inogram of the Amerind populations of the inter-Andes corridor and adaptative processes] Henrotte JG, et al. C R Soc Biol (Paris) 164:487-91, 1970 (Fre)

[Effects of nitrogen deficiency on erythrocyte and plasma electrolytes in the rat] Spach C, et al. J Physiol (Paris) 1:Suppl 1:177, 1969 (Fre)

[Erythrocyte electrolytes in rats deprived of certain essential amino acids] Spach C, et al. J Physiol (Paris) 62:Suppl 2:319+, 1970 (Fre)

[Variations of natremia in craniocerebral trauma] Hanquet M, et al. Laval Med 42:341-52, 1971 (Fre)

[Ionic shifts in skeletal muscle during muscular activity] Gebert G, et al. Aerztl Forsch 25:128-9, 10 Apr 71 (Ger)

[Mineral concentrations in the serum of clinically healthy cattle] Bär HJ, et al. Arch Exp Veterinaermed 24:889-92, 1970 (Ger)

[Changes in the concentration of sodium, potassium, calcium, magnesium and phosphorus in the serum of pregnant and lactating cows] Seidel H, et al. Arch Exp Veterinaermed 24:874-82, 1970 (Ger)

[Significance of urinary changes, creatinine and serum electrolyte determination in old age] Schulz HJ, et al. Dtsch Gesundheitsw 25:2374-8, 10 Dec 70 (Ger)

[New micromethod for specific determination of sodium, potassium, calcium and magnesium in a single

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

serum dilution] Paschen K.
Dtsch Med Wochenschr 95:2570-3, 18 Dec 70 (Ger)
[Potassium and sodium levels in serum in vestibular disorders (before and after vestibular stimulation)] Kehaiov AN.
Monatsschr Ohrenheilkd Laryngorhinol 105:13-20, 1971 (Ger)
[Studies on the sodium content of erythrocytes in humans with normal and familial hypertensive blood pressure] Wessels F, et al.
Verh Dtsch Ges Kreislaufforsch 32:309-12, 1966 (Ger)
[Behavior of serum electrolytes in alloxan diabetes in rats] Benke A, et al.
Wien Klin Wochenschr 83:172-4, 12 Mar 71 (Ger)
[Electrolyte regulation in normal puerperium and in patients with pregnancy toxemias] Moayer M, et al.
Z Geburtshilfe Gynaekol 173:88-102, Aug 70 (Ger)
[Behavior of adenylate kinase (myokinase), adenosine triphosphate (ATP) and K- and Na-ions in the serum or blood under standardized physical stress] Kaffarnik H, et al.
Z Gesamte Exp Med 153:324-30, 1970 (Ger)
[The influence of intra- and extracellular electrolyte metabolism on blood vessel reactability] Wessels F, et al. Z Kreislaufforsch 59:427-37, May 70 (Ger)
[Connection between cation permeability of the erythrocytes and disposition to hypertension] Wessels F, et al.
Z Kreislaufforsch 59:415-26, May 70 (Ger)
[The erythrocyte membrane and its permeability to cations] Cividalli G, et al.
Harefuah 78:372-3, 15 Apr 70 (Heb)
[An unusual case of (normokalemic- normonatremic) hyperlactico-dehydrogenasemic familial periodic paralysis] Albanese B, et al.
Acta Neurol (Napoli) 24:537-47, Jul-Aug 69 (Ita)
[Blood intra-erythrocyte and plasma electrolytes (Na, K, Cl) in healthy newborns] Chiappe S, et al.
Minerva Ginecol 22:432-3, 30 Apr 70 (Ita)
[Behavior of blood sodium in relation to the sodium bicarbonate administration in premature infants] Belloni C, et al.
Minerva Pediatr 22:1904-5, 22 Sep 70 (Ita)
[Acute hyperbaric oxygenation. Effects on plasmatic K+ and N+ and on GOT and GPT transaminases in rats exposed to 3 absolute atmospheres of oxygen] Cifaldi S, et al.
Riv Med Aeronaut Spaz 32:340-50, Jul-Sep 69 (Ita)
[Sodium, potassium and chlorine--how to read its figures] Koide H.
Jap J Clin Med 29:Suppl:368-75, Jan 71 (Jap)
[Serum proteins and electrolytes in patients with cancer of the uterus] Madajewicz S, et al.
Nowotwory 21:89-94, Jan-Mar 71 (Pol)
[Sodium and potassium blood levels and their urinary excretion in children with pyelonephritis] Maciejewski J, et al.
Pediatr Pol 45:1483-7, Dec 70 (Pol)
[Behavior of electrolytes and adrenocortical steroids in gastric and duodenal ulcers depending upon their location] Bojanowicz K, et al.
Przegl Lek 26:755-7, 1970 (Pol)
[Sodium, potassium and chlorides in plasma and erythrocytes and the 24-hour corticosteroid level in peptic ulcer, depending on sex] Bojanowicz K, et al.
Wiad Lek 23:1801-5, 15 Oct 70 (Pol)
[Effect of liver fluke infection on ascaridosis and the level of Na, K and Ca in rat blood serum] Jablonowski Z, et al. Wiad Parazytol 17:151-7, 1971 (Pol)
[Sodium and potassium levels in plasma and whole blood and potassium in erythrocytes in various diseases] Macruz R, et al.
Arq Bras Cardiol 23:309-18, Oct 70 (Por)
[The ionogram in normal newborn infants] Carrazza FR, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:25-8, Jan-Feb 71 (Por)
[Changes in the content of potassium and sodium in blood and urine after massive blood loss occurring as a result of obstetric-gynecological pathology] Kolganova NS.
Akush Ginekol (Mosk) 46:44-7, Aug 70 (Rus)
[Some characteristics of the interaction of immune antipenicillin sera with penicillin] Gel'dner LB, et al.
Antibiotiki 15:1014-9, Nov 70 (Rus)
[Determination of sodium oxybutyrate in blood] Dement'eva NN, et al.
Farmatsiia 19:66-70, Nov-Dec 70 (Rus)
[Metabolic component of disorders of myocardial contractile function in diabetes mellitus] Efimov AS, et al. Kardiologiia 11:135-6, Jan 71 (Rus)
[Effect of craniocerebral hypothermia on several biochemical indices of the blood in surgery of the isolated heart] Mikheeva EV, et al.
Kardiologiia 10:99-102, Aug 70 (Rus)
[Clinical significance of studying serum proteins and electrolytes in acute pancreatitis] Arbisman DM.
Klin Khir 2:35-9, Feb 71 (Rus)
[Concentration of sodium and potassium in the blood of duodenal ulcer patients in relation to the type of stomach surgery] Zhukov BP.
Klin Khir 4:45-9, 1971 (Rus)
[Effect of hypothiazide and reserpine on the intracellular and extracellular potassium and sodium correlation during the treatment of hypertensive disease] Gnedkova GL, et al.
Ter Arkh 43:37-40, Mar 71 (Rus)
[Cation composition of the blood in adhesion disease] Gorfinkel' IV, et al. Vestn Khir 105:52-6, Dec 70 (Rus)
[Potassium and sodium levels in the blood of the mother and twins immediately after birth] Utkin VM, et al. Vopr Okhr Materin Det 15:67-9, Jun 70 (Rus)
[Blood and cerebrospinal fluid potassium, calcium and sodium levels in patients with brain tumors] Danilenko MV, et al. Vrach Delo 3:103-6, Mar 71 (Rus)
[Significance of potassium and sodium ions in plasma during labor] Mitrović B, et al.
Srp Arh Celok Lek 98:593-6, Apr 70 (Ser)
[Secretion of aldosterone, sodium and potassium in pregnancy, complicated by nephropahy] Kavunets' GP. Pediatr Akush Ginekol 4:35-8, Jul-Aug 70 (Ukr)
[Changes in the level of some blood electrolytes in patients with pregnancy toxemia] Zak IR, et al. Pediatr Akush Ginekol 4:39-42, Jul-Aug 68 (Ukr)
[State of cations in pulmonary tuberculosis] Antonijević A. Med Glas 24:473-6, Oct-Nov 70 (Cro)

CEREBROSPINAL FLUID

The effect of ethacrynic acid on sodium uptake into the cerebrospinal fluid of the rat. Miner LC, et al.
Arch Int Pharmacodyn Ther 190:316-21, Apr 71
Sodium transfer to cerebrospinal fluid in functional psychiatric illness. Baker EF.
Can Psychiatr Assoc J 16:167-70, Apr 71
Studies in the movement of isotopes RI-131SA and Na24 from ventricular CSF fluid. Atkinson WJ.
Dev Med Child Neurol 13:51-62, Feb 71
The effects of some inhibitors and accelerators of sodium transport on the turnover of 22Na in the cerebrospinal fluid and the brain. Davson H, et al.
J Physiol (Lond) 209:131-53, Jul 70
The effect of the administration of cortisol on the levels of cortisol and electrolytes in blood and cerebrospinal fluid in man. Uete T, et al.
Metabolism 20:319-25, Mar 71
Changes in cerebrospinal fluid sodium and potassium concentrations during seizure activity. Meyer JS, et al. Neurology (Minneap) 20:1179-84, Dec 70
Effects of anoxia on cerebrospinal fluid sodium and potassium concentrations. Meyer JS, et al.
Neurology (Minneap) 21:889-95, Sep 71
[Blood and cerebrospinal fluid potassium, calcium and sodium levels in patients with brain tumors] Danilenko MV, et al. Vrach Delo 3:103-6, Mar 71 (Rus)

DIAGNOSTIC USE

[Rectal administration of Na I-131 as a screening test for liver metastases] Sannazzari GL, et al.
Minerva Radiol 14:35-40, Jan-Feb 69 (Ita)

METABOLISM

Peroperative sodium balance. Deding A, et al.
Acta Anaesthesiol Scand 15:33-43, 1971
The influence of beta-radiation of tritium on the excitation and ion content of the striated muscle. Egyed E, et al.
Acta Biochim Biophys Acad Sci Hung 5:333-9, 1970
Effect of gynaecological operations on electrolyte metabolism. 5. Electrolyte metabolism following gynaecologic operations. Dalos G.
Acta Chir Acad Sci Hung 11:269-76, 1970
Effect of gynaecologic operations on electrolyte metabolism. 4. Changes in electrolyte metabolism following plastic surgery. Dalos G.
Acta Chir Acad Sci Hung 11:207-11, 1970
Effect of gynaecologic operations on electrolyte metabolism. 3. Changes in electrolyte metabolism following vaginal hysterectomy. Dalos G.
Acta Chir Acad Sci Hung 11:203-6, 1970
The dissociation of aldosterone secretion and systemic renin and angiotensin II levels during the correction of sodium deficiency. Blair-West JR, et al.
Acta Endocrinol (Kbh) 66:229-47, Feb 71
The effect of ethyl alcohol on permeation of 24 Na sodium into the perilymph. Pietruski J.
Acta Otolaryngol (Stockh) 71:494-9, Jun 71
24Na uptake and PAH accumulation of renal cortical slices in the presence of angiotensin. Bartha J, et al.
Acta Physiol Acad Sci Hung 38:151-8, 1970
Uptake of water, sodium and glucose by the ductuli efferentes of the hamster "in vitro". Montorzi NM, et al. Acta Physiol Lat Am 20:135-9, 1970
Effect of hypotonic mannitol and saline load on diluting capacity in man. Aperia A, et al.
Acta Physiol Scand 80:145-8, Oct 70
Transport of glucose, sodium, chloride and potassium between the cerebral ventricles and surrounding tissues in cats. Brondsted HE.
Acta Physiol Scand 79:523-32, Aug 70
Effects of variations in the extracellular osmolality on the ionic permeability of vascular smooth muscle. Jonsson O. Acta Physiol Scand 81:405-21, Mar 71
The relative contributions of sodium and chloride ions to the conductance of toad skin in relation to shedding of the stratum corneum. Larsen EH.
Acta Physiol Scand 81:254-63, Feb 71
Sodium transport and D.C. resistance in the isolated toad skin in relation to shedding of the stratum corneum. Larsen EH.
Acta Physiol Scand 79:453-61, Aug 70
Movements of sodium and potassium ions and their tracers in propranolol-treated red cells and diaphragm muscle. Manninen V.
Acta Physiol Scand Suppl 355:1+, 1970
Ethanol, electrical stimulation, and net movements of sodium and potassium in rat brain tissue in vitro. Nikander P, et al. Acta Physiol Scand 80:27A, Dec 70
The pattern of electrolyte excretion in normal and hypertensive subjects before and after saline infusions. A simple electrolyte formula for the diagnosis of primary aldosteronism. Christlieb AR, et al. Am J Cardiol 27:595-601, Jun 71
The diagnostic value of salt depletion and salt loading in screening for secondary hypertension. Finnerty FA Jr, et al. Am J Cardiol 27:710-1, Jun 71
Renal venous renin activity. Enhancement of sensitivity of lateralization by sodium depletion. Strong CG, et al. Am J Cardiol 27:602-11, Jun 71
Stimulation of intestinal sodium absorption by sugars. Fordtran JS, et al. Am J Clin Nutr 24:503-4, May 71
Water and sodium retention in the fasted and refed human. Gosansky DM, et al.
Am J Clin Nutr 24:869-71, Jul 71 (22 ref.)
Stimulation of intestinal sodium absorption by sugars: reply to Dr. Fordtran. Schultz SG, et al.
Am J Clin Nutr 24:504-5, May 71
Sodium, potassium and water metabolism in the syndrome of inappropriate antidiuretic hormone secretion. Nolph KD, et al. Am J Med 49:534-45, Oct 70
Absence of active transmural sodium transport in primate neonatal bladder. Chez RA.
Am J Obstet Gynecol 108:1290-1, 15 Dec 70
Heparinoid-induced inhibition of aldosterone secretion in pregnant women. The role of augmented aldosterone secretion in sodium conservation during normal pregnancy. Ehrlich EN.
Am J Obstet Gynecol 109:963-70, 1 Apr 71
Renal transport of Na, Ca, Mg, and K during volume expansion and distal blockade. Antoniou LD, et al.
Am J Physiol 220:816-22, Mar 71
Relationship between renal artery perfusion pressure and tubular sodium reabsorption. Aperia AC, et al.
Am J Physiol 220:1205-12, May 71
Quantitation of urinary precession of water, potassium, and other solutes. Banks RO, et al.
Am J Physiol 220:1325-31, May 71
Adenosinetriphosphatase activity in gills of larval Rana catesbeiana. Boonkoom V, et al.
Am J Physiol 220:1820-4, Jun 71
Effect of arterial hematocrit on sodium reabsorption by the proximal tubule. Burke TJ, et al.
Am J Physiol 220:1536-41, May 71
Short-circuit current and active Na transport across isolated lens of the toad. Candia OA, et al.
Am J Physiol 220:558-64, Feb 71
Effect of hypercalcemia on renal tubular sodium handling in the rat. DiBona GF.
Am J Physiol 220:49-53, Jan 71
Effect of hypermagnesemia on renal tubular sodium handling in the rat. DiBona GF.
Am J Physiol 221:53-7, Jul 71
Effect of amiloride, ouabain, and furosemide on distal tubular function in the rat. Duarte CG, et al.
Am J Physiol 221:632-40, Aug 71
Body fluid electrolyte composition of chronically magnesium-deficient and control rats. Klin RJ, et al.
Am J Physiol 220:543-8, Feb 71
Ion transport in rabbit ileal mucosa. I. Na and Cl fluxes and short-circuit current. Field M, et al.
Am J Physiol 220:1388-96, May 71
Counterflow of sodium across short-circuited acid-killed turtle bladders. Gentile DE, et al.
Am J Physiol 219:1192-9, Nov 70
Potassium and calcium binding in corneal stroma and the effect on sodium binding. Green K, et al.
Am J Physiol 221:363-7, Jul 71
Inhibition by ammonium of sodium transport across isolated toad bladder. Guggenheim SJ, et al.
Am J Physiol 220:1651-9, Jun 71
Role of plasma volume in control of proximal tubular sodium reabsorption. Higgins JT Jr.
Am J Physiol 220:1373-8, May 71
Role of extracellular volume in diuretic response to saline loading. Higgins JT Jr.
Am J Physiol 220:1367-72, May 71
Oxygen consumption, glycolysis, and sodium reabsorption in the hypothyroid rat kidney. Holmes EW Jr, et al. Am J Physiol 221:839-43, Sep 71
Ion transport across intestinal mucosa of winter flounder, Pseudopleuronectes americanus. Huang KC, et al. Am J Physiol 220:1734-8, Jun 71
Effect of saline infusion on superficial and juxtamedullary nephrons in the rat. Jamison RL, et al.
Am J Physiol 221:690-7, Sep 71
Effects of hemorrhage and chronic sodium depletion on hepatic clearance of renin. Johnson JA, et al.
Am J Physiol 220:1677-82, Jun 71
Effects of estrogens and progesterone on electrolyte

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

balances in normal dogs. Johnson JA, et al. Am J Physiol 219:1691-7, Dec 70
Novobiocin stimulation of frog skin current and some metabolic consequences. Johnston KH, et al. Am J Physiol 220:792-8, Mar 71
Influence of thoracic caval occlusion on intrarenal blood flow distribution and sodium excretion. Kilcoyne MM, et al. Am J Physiol 220:1220-30, May 71
Effect of prostaglandin E1 on sodium transport and osmotic water flow in the toad bladder. Lipson LC, et al. Am J Physiol 220:1046-52, Apr 71
Effects of aldosterone and vasopressin on electrolytes of toad bladder epithelial cells. Lipton P, et al. Am J Physiol 221:733-41, Sep 71
Micropuncture study of excretion of water and electrolytes by the pancreas. Mangos JA, et al. Am J Physiol 221:496-503, Aug 71
Inhibition of renal tubular sodium reabsorption by dinitrophenol. Martinez-Maldonado M, et al. Am J Physiol 219:1242-7, Nov 70
Ouabain-insensitive effects of metabolism on ion and water content of red blood cells. Parker JC. Am J Physiol 221:338-42, Jul 71
Diffusion of sodium in extracellular space of the crystalline lens. Paterson CA, et al. Am J Physiol 220:256-63, Jan 71
Effects of filtration rate and plasma sodium concentration on proximal sodium transport. Puschett JB, et al. Am J Physiol 221:788-94, Sep 71
Acetazolamide in studying sodium reabsorption in diluting segment. Rosin JM, et al. Am J Physiol 219:1731-8, Dec 70
Sodium reabsorption by proximal tubule of dogs with experimental heart failure. Schneider EG, et al. Am J Physiol 220:952-7, Apr 71
Mode of action of propionate in toad bladder. Singer I, et al. Am J Physiol 219:1273-8, Nov 70
Effect of acetylcholine on proximal tubular sodium reabsorption in the dog. Stein JH, et al. Am J Physiol 220:227-32, Jan 71
Effect of luminal pH on ion permeability and flows of Na+and H+ in turtle bladder. Steinmetz PR, et al. Am J Physiol 220:1573-80, Jun 71
Relation between ribosomes and functional growth in the avian nasal gland. Stewart DJ, et al. Am J Physiol 219:1819-24, Dec 70
Effect of furosemide on sodium transport and metabolism in toad bladder. Sullivan LP, et al. Am J Physiol 220:1316-24, May 71
Actions of inhibitor compounds on adenine nucleotides of renal cortex and sodium excretion. Urbaitis BK, et al. Am J Physiol 220:1116-23, Apr 71
Effects of dinitrophenol and cyanide on TPAH and Na reabsorption. Weiner IM, et al. Am J Physiol 221:86-91, Jul 71
The fine structure of the mouse adrenal cortex and the ultrastructural changes in the zona glomerulosa with low and high sodium diets. Shelton JH, et al. Anat Rec 170:147-81, Jun 71
Sodium transport and anesthetic requirements in the toad. Andersen NB, et al. Anesthesiology 34:338-43, Apr 71
Mechanism of thyroid stimulation of metabolism. Strauss MB. Ann Intern Med 74:793-4, May 71
Diuretics and the cation content of guinea pig endolymph. Mendelsohn M, et al. Ann Otol Rhinol Laryngol 80:186-91, Apr 71
The sodium and potassium contents of yeasts differing in halotolerance, at various NaCl concentrations in the media. Norkrans B. Antonie van Leeuwenhoek 35:Suppl:G31-2, Jun 69
The effect of prolonged pressor infusions of small amounts of noradrenaline on sodium balance in conscious rabbits. De Swiet M, et al. Arch Int Pharmacodyn Ther 186:101-7, Jul 70
The effect of ouabain and ouabagenin on active transport of sodium and potassium in vagus nerve fibres. Wespi HH, et al. Arch Int Pharmacodyn Ther 181:307-15, Oct 69
Role of fetal skin in circulation of amniotic fluid. Bor NM, et al. Arch Int Physiol Biochim 78:69-78, Feb 70
The effect of various anions and cations on the electrogenic sodium pump in the taenia coli of the guinea pig. Casteels R, et al. Arch Int Physiol Biochim 79:170-1, Jan 71
Compartmental analysis of sodium distribution in the rat. Ermel AE. Arch Int Physiol Biochim 79:87-106, Jan 71
Permeability characteristics of the intestinal epithelium and hibernation in "Testudo hermanni hermanni" gmelin. Gilles-Baillien M. Arch Int Physiol Biochim 78:327-38, Apr 70
A humoral inhibitor of sodium transport in uremic serum. A potential toxin? Bricker NS, et al. Arch Intern Med 126:860-4, Nov 70
Salt wasting in myeloma. Kahn T, et al. Arch Intern Med 126:864-7, Oct 70
The red blood cell as a model for the study of uremic toxins. Smith EK, et al. Arch Intern Med 126:827-30, Nov 70
The uptake of 24Na by human dental enamel. Braden M, et al. Arch Oral Biol 16:367-74, Apr 71
Diffusion of radioactive ions into human dental enamel. Joyston-Bechal S, et al. Arch Oral Biol 16:375-84, Apr 71
Perilymph findings in experimentally induced acidosis. Juhn SK. Arch Otolaryngol 93:384-7, Apr 71
Cations in the endolymph with noise-induced deafness. Nakashima T, et al. Arch Otolaryngol 94:109-13, Aug 71
Perspectives in aldosterone and renin control. Coghlan JP, et al. Aust NZ J Med 1:178-97, May 71 (177 ref.)
The isolation and properties of a peptide ionophore from beef heart mitochondria. Blondin GA, et al. Biochem Biophys Res Commun 43:28-35, 2 Apr 71
Sodium transport in human erythrocytes--absence of an effect of prostaglandin E1. Gardner JD, et al. Biochem Biophys Res Commun 42:1063-7, 19 Mar 71
Indications of spatial relations among structures recognizing amino acids and Na+ at a transport receptor site. Thomas EL, et al. Biochem Biophys Res Commun 40:277-83, 27 Jul 70
The effect of steroids on transport of electrolytes through membranes. Fraser R. Biochem J 118:1P-3P, Jun 70
Tetrodotoxin-sensitive uptake of ions and water byslices of rat brain in vitro. Okamoto K, et al. Biochem J 120:37-47, Nov 70
Role of adenosine 3':5'-cyclic monophosphate in the attion of octapeptide hormones. Wright DW, et al. Biochem J 120:10P-11P, Dec 70
The effect of steroids on the transport of electrolytes through membranes. Fraser R. Biochem Soc Symp 32:101-21, 1971 (159 ref.)
Active sugar accumulation by isolated intestinal epithelial cells. A new model for sodium-dependent metabolite transport. Kimmich GA. Biochemistry 9:3669-77, 15 Sep 70
(Na plus minus K plus)-ATPase from the frog bladder and its relationship to sodium transport. Asano Y, et al. Biochim Biophys Acta 219:169-78, 1970
Lithium-stimulated sodium efflux in frog skeletal muscle. Beaugé LA, et al. Biochim Biophys Acta 219:479-83, 1 Dec 70
The sodium permeability of butanol-treated erythrocytes. The role of calcium. Burt DH, et al. Biochim Biophys Acta 225:46-55, 5 Jan 71
Chloride and sodium permeabilities of human red cells. Dalmark M, et al. Biochim Biophys Acta 219:525-7, 1 Dec 70
Comparison of rates of elution of 24Na+ from the mucosal and serosal sides of the toad bladder. Drane W, et al. Biochim Biophys Acta 211:56-60, 7 Jul 70
Na+ transport and impedance properties of the isolated frog gastric mucosa at different O2 tensions. Flemström G. Biochim Biophys Acta 225:35-45, 5 Jan 71
Active Na plus and Cl minus transport by the isolation chick chorioallantoic membrane. Moriarty CM, et al. Biochim Biophys Acta 219:463-70, 1 Dec 70
Spin-echo nuclear magnetic resonance evidence for complexing of sodium ions in muscle, brain, and kidney. Cope FW. Biophys J 10:843-58, Sep 70
Proximal tubule sodium reabsorption during water diuresis in patients with heart disease. Gibson DG, et al. Br Heart J 33:146-7, Jan 71
Pulmonary oedema associated with sodium retention during ventilator treatment. Gett PM, et al. Br J Anaesth 43:460-70, May 71
The sodium requirements of growing steers given an all-sorghum grain ration. Morris JG, et al. Br J Nutr 25:191-205, Mar 71
Effects of the diuretics, triamterene and mersalyl on active sodium transport mechanisms in isolated frog skin. Salako LA, et al. Br J Pharmacol 41:553-7, Mar 71
Studies of electrolyte changes. Shaw DM. Br J Psychiatry 119:114-5, Jul 71
Measurement of bi-directional sodium fluxes across the whole gut in man. Love AH, et al. Br J Radiol 44:233, Mar 71
Jejunal permeability to sodium, potassium, and water immediately after surgery. Bunch GA, et al. Br J Surg 57:862, Nov 70
Clearance of isotopes from implanted tissue capsules. Taylor LM, et al. Br J Surg 58:307, Apr 71
The uptake of sodium-22 by bone and certain soft tissues. Triffitt JT, et al. Calcif Tissue Res 6:70-6, 1970
Effect of enteropathogenic Escherichia coli infection on the transmembrane potential of the swine intestine. Quamme G, et al. Can J Comp Med 34:299-302, Oct 70
Sodium exchange and net movement in rat uteri at 25 degrees C. Daniel EE, et al. Can J Physiol Pharmacol 48:598-624, Sep 70
Sodium and potassium exchanges in adrenalectomized rats administered deoxycorticosterone chronically. Fregly MJ, et al. Can J Physiol Pharmacol 48:735-44, Nov 70
Maintenance of the ionic composition of the incubated artery. Palatý V, et al. Can J Physiol Pharmacol 49:106-12, Feb 71
The effect of ulceration on the ability of the gastric mucosa to contain an acid solution. Wlodek GK, et al. Can J Surg 11:5-13, Jan 68
Sodium homeostasis, salt appetite, and hypertension. Blair-West JR, et al. Circ Res 27:Suppl 2:251+, Oct 70
Further evidence for a humoral natriuretic factor. Blythe WB, et al. Circ Res 28:Suppl 2:21-31, May 71
Studies in a humoral sodium transport inhibitory activity in normal dogs and dogs with ligation of the inferior vena cava. Buckalew VM Jr, et al. Circ Res 28:Suppl 2:44-52, May 71
Sodium balance, plasma renin, and aldosterone in hypertension. Doyle AE, et al. Circ Res 27:Suppl 2:267+, Oct 70
Sodium transport in the toad bladder. The functional organization of the granular cell: a review. Frazier HS. Circ Res 28:Suppl 2:14-20, May 71 (35 ref.)
Intraluminal pressure and ionic distribution in the tail artery of rats. Guignard JP, et al. Circ Res 27:505-12, Oct 70
A relationship among arterial wall acid mucopolysaccharides, cation binding, and arterial reactivity. Harris GS. Circ Res 27:Suppl 2:91-7, Oct 70
A microperfusion study of some factors controlling sodium absorption and glomerular filtration in the nephron of the rat. Morgan T. Circ Res 27:Suppl 2:245+, Oct 70
Further studies of a natriuretic substance occurring in human urine and plasma. Sealey JE, et al. Circ Res 28:Suppl 2:32-43, May 71
Exchangeable sodium and blood volume in normotensive and hypertensive humans on high and low sodium intake. Brown WJ Jr, et al. Circulation 43:508-19, Apr 71
The effect of vasopressin on the reabsorption of sodium, potassium and urea by the renal tubules in man. Barraclough MA, et al. Clin Sci 39:517-27, Oct 70
The effect of spironolactone on sodium transport in the absence of aldosterone. Clarkson EM, et al. Clin Sci 39:16P, Dec 70
The effect of the spirolactone SC 14266 on the sodium transport across isolated frogskin. Nutbourne DM, et al. Clin Sci 39:16P, Dec 70
The effect of flowing and stationary solutions upon retinal sodium diffusion. Buckser S. Comp Biochem Physiol 27:263-73, Oct 68
Water and ion movements across the gas bladder of two physostomous fresh-water teleosts. Graham CR Jr, et al. Comp Biochem Physiol 25:937-42, Jun 68
Regulation of sodium and potassium in muscle fibers of the ventricle of Unio, a fresh-water lamellibranch. Rutherford JG, et al. Comp Biochem Physiol 37:181-91, 15 Nov 70
Effect of rubidium and caesium on electrogenic sodium pumping in rat myometrium. Taylor GS, et al. Comp Biochem Physiol 38:251-64, 1 Feb 71
Intestinal absorption of sugars, water and sodium in alloxan diabetic rats. Levinson RA, et al. Diabetes 19:683-7, Oct 70
The role of the colon in fluid and electrolyte metabolism. Mafatka Z. Digestion 3:251-3, 1970
Pretibial edema and sodium retention during lithium carbonate treatment. Demers R, et al. Dokl Akad Nauk SSSR 184:1245-8, 21 Jan 69
Effects of prostaglandin E1 upon the steroid secretion of the adrenal of the sodium deficient sheep. Blair-West JR, et al. Endocrinology 88:367-71, Feb 71
Effect of deoxycorticosterone acetate and aldosterone on the salt appetite of wild rabbits (Oryctolagus cuniculus (L.). Denton DA, et al. Endocrinology 87:976-7, Nov 70
Biologic action of proinsulin on ventral toad skin in vitro. Konsek JP, et al. Endocrinology 89:847-51, Sep 71
Effects of hydrocortisone acetate and estradiol in normal and adrenalectomized salt deficient rabbits. Nocenti MR, et al. Endocrinology 87:1140-6, Dec 70
Assessment of the mineralocorticoid activity of 18-hydroxy-11-deoxycorticosterone (18-OH-DOC) in the isolated toad bladder. Porter GA, et al. Endocrinology 89:353-7, Aug 71
Sequential forms of ATPase activity correlated with changes in cation binding and membrane potential from meiosis to first cleavage in R. pipiens. Morrill GA, et al. Exp Cell Res 66:289-98, Jun 71
Transport functions of the chick chorio-allantoic membrane. I. Normal histology and evidence for active electrolyte transport from the allantoic fluid, in vivo. Stewart ME, et al. Exp Cell Res 58:93-106, Nov 69
Quantitative relation between hydrostatic pressure gradient, extracellular volume and active sodium transport in the epithelium of the frog skin (R. temporaria). Voute CL, et al. Exp Cell Res 62:375-83, Oct 70
Efflux of 22Na and 86Rb from the crystalline lens. Paterson CA. Exp Eye Res 10:331-8, Oct 70
Sodium-potassium adenosine triphosphatase activity in N-nitrosomethylurea-induced rat astrocytoma cells. Embree LJ, et al. Exp Neurol 31:383-90, Jun 71
An investigation of Na efflux from the toad oocyte using cold shock as a technic. Bittar EE. Experientia 27:268-70, 15 Mar 71
Insensitivity to external hydroxyl ions of Na efflux from the toad oocyte into K-free Ringer. Bittar EE. Experientia 27:151-2, 15 Feb 71
The action of nigericin on sodium efflux from the toad oocyte. Bittar EE. Experientia 27:657-8, Jun 71
Activation of sodium transport across biological membranes. Dalton T, et al. Experientia 27:244-5, 15 Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The effects of delta-amino-laevulinic acid on sodium and water movement across frog skin. Eales L, et al. Experientia 27:276-7, 15 Mar 71

Chloride space and sodium and potassium metabolism in chloride deficiency: an experimental study in rats. Lange WE de, et al. Folia Med Neerl 13:157-61, 1970

Active transport of sodium by human colon in vitro. Grady GF, et al. Gastroenterology 59:583-8, Oct 70

Experimental diarrhea. II. Glucose-stimulated sodium and water transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1065-75, Jun 71

Sodium and water movement across the urinary bladder of a urodele amphibian (th mudpuppy Necturus maculosus): studies and vasotocin and aldosterone. Bentley PJ. Gen Comp Endocrinol 16:356-62, Apr 71

The action of aldosterone on transepithelial sodium transport in isolated ventral toad skin. Porter GA. Gen Comp Endocrinol 16:443-51, Jun 71

The effect of vagotomy on the intestinal transport of water and electrolytes. Bunch GA, et al. Gut 11:1061, Dec 70

Sodium, potassium, and water absorption by normal human rectum. Edmonds CJ. Gut 11:1057, Dec 70

Effect of intragastric bile salts on ionic movement across normal human gastric mucosa after intravenous atropine. Ivey KJ, et al. Gut 12:257-61, Apr 71

Studies on bidirectional sodium fluxes across the intestinal mucosa in cholera patients. Love AH, et al. Gut 11:1056-7, Dec 70

Absorption of glucose, sodium, and water by the human jejunum studied by intestinal perfusion with a proximal occluding balloon and at variable flow rates. Modigliani R, et al. Gut 12:184-93, Mar 71

Effect of glycine and glucose on sodium and water adsorption in patients with cholera. Nalin DR, et al. Gut 11:768-72, Sep 70

Ion transport by the primate neonatal stomach. Chez RA. Gynecol Invest 1:39-45, 1970

Further characterization of the influence of supine posture on renal function in late pregnancy. Effect of rapid saline infusions on renal sodium, water and uric acid metabolism. Lindheimer MD. Gynecol Invest 1:69-81, 1970

"Total" and "exchangeable" sodium studies in swine and sheep using activation analysis and isotopic dilution. Johnson DR, et al. Health Phys 18:729-31, Jun 70

Body fluid composition and sodium excretion under osmotic diuresis. Zürcher C, et al. Helv Med Acta 35:281-9, Oct 70

The effect of aldosterone and desoxycorticosterone on the sodium appetite of normal and adrenalectomised rats. Subrahmanyam S. Indian J Med Sci 24:473-7, Aug 70

Mechanism of development of hereditary cataract in mice. Iwata S, et al. Invest Ophthalmol 10:504-12, Jul 71

Effect of saline loading on absorption from the cat ileum in vivo. Gutman Y, et al. Isr J Med Sci 6:195-200, Mar-Apr 70

Utilization of inorganic elements by young women eating iron-fortified foods. White HS, et al. J Am Diet Assoc 59:27-33, Jul 71

The local chemical environment of nodes of Ranvier: a study of cation binding. Landon DN, et al. J Anat 108:419-32, Apr 71

Carbohydrate metabolism and electrolyte changes in human muscle tissue during heavy work. Bergström J, et al. J Appl Physiol 30:122-5, Jan 71

Diurnal variation in serum and urine electrolytes. Buchsbaum M, et al. J Appl Physiol 30:27-35, Jan 71

Water and electrolyte metabolism in skeletal muscle of exercising rats. Körge P, et al. J Appl Physiol 31:1-4, Jul 71

Water and electrolyte metabolism in myocardium of exercising rats. Körge P, et al. J Appl Physiol 31:5-7, Jul 71

Sodium ion conservation during acclimatization of men to work in the heat. Smiles KA, et al. J Appl Physiol 31:63-9, Jul 71

Cation transport in Serratia marcescens and Serratia marinorubra. Gale NL, et al. J Bacteriol 104:650-7, Nov 70

Metabolic functions by myo-inositol. 8. Role of inositol in Na plus-K+ transport and in Na plus- and K plus-activated adenosine triphosphatase of KB cells. Charalampous FC. J Biol Chem 246:455-60, 25 Jan 71

Structural selectivity in interaction of neutral amino acids and alkali metal ions with a cationic amino acid transport system. Thomas EL, et al. J Biol Chem 246:1677-81, 25 Mar 71

Nature of the cosubstrate action of Na+ and neutral amino acids in a transport system. Thomas EL, et al. J Biol Chem 246:1682-8, 25 Mar 71

Analysis of sodium transport in the amphibian oocyte by extractive and radioautographic techniques. Horowitz SB, et al. J Cell Biol 47:120-31, Oct 70

Effects of aldosterone and cortisol on human erythrocyte Na efflux. Gall G, et al. J Clin Endocrinol Metab 32:555-61, Apr 71

Erythrocyte Na flux in a patient with Bartter's syndrome. Gall G, et al. J Clin Endocrinol Metab 32:562-7, Apr 71

Aldosterone response to sodium restriction and ACTH stimulation in panhypopituitarism. Williams GH, et al. J Clin Endocrinol Metab 32:27-35, Jan 71

Acute undifferentiated human diarrhea in the tropics. II. Alterations in intestinal fluid and electrolyte movements. Banwell JG, et al. J Clin Invest 50:890-900, Apr 71

Inhibition of transepithelial sodium transport in the frog skin by a low molecular weight fraction of uremic serum. Bourgoignie J, et al. J Clin Invest 50:303-11, Feb 71

Effects of increased sodium delivery on distal tubular sodium reabsorption with and without volume expansion in man. Buckalew VM Jr, et al. J Clin Invest 49:2336-44, Dec 70

Increased ureteral back pressure enhances renal tubular sodium reabsorption. Fulop M, et al. J Clin Invest 49:2315-23, Dec 70

Renal effects of adenosine 3',5'-cyclic monophosphate and dibutyryl adenosine 3',5'-cyclic monophosphate. Evidence for a role for adenosine 3',5'-cyclic monophosphate in the regulation of proximal tubular sodium reabsorption. Gill JR Jr, et al. J Clin Invest 50:1231-40, Jun 71

Disproportionate inhibition of sodium reabsorption in the unilaterally diseased kidney of dog and man after an acute saline load. Gutmann FD, et al. J Clin Invest 50:422-31, Feb 71

The distribution of sodium-potassium--activated adenosine triphosphatase in medulla and cortex of the kidney. Hendler ED, et al. J Clin Invest 50:1329-37, Jun 71

Observations on the responsiveness of human subjects to human growth hormone. Effects of endogenous growth hormone deficiency and myotinic dystrophy. Rudman D, et al. J Clin Invest 50:1941-9, Sep 71

Potassium balance and the control of renin secretion. Sealey JE, et al. J Clin Invest 49:2119-27, Nov 70

"Innate recognition" aids rats in sodium regulation. Krieckhaus EE. J Comp Physiol Psychol 73:117-22, Oct 70

Effects of supplemental potassium bicarbonate upon 24Na and 42K metabolism in young nonlactating cows. Perry SC, et al. J Dairy Sci 53:1094-6, Aug 70

Correlation of water and electrolyte distribution in the thyroid gland with its functional state in rats and guinea-pigs. Chow SY, et al. J Endocrinol 50:577-88, Aug 71

Water and electrolyte distribution in rat and guinea-pig thyroid glands. Chow SY, et al. J Endocrinol 50:561-76, Aug 71

Interrelationship of the effects of aldosterone and thyroid hormones on sodium transport and electrical properties of rat colon. Edmonds CJ, et al. J Endocrinol 48:189-97, Oct 70

The effects of ovarian hormones on the activity of the adrenal cortex and on water and sodium transport. Hinsull SM, et al. J Endocrinol 48:lxxix+, Dec 70

Sodium regulation in the freshwater mollusc Limnaea stagnalis (L.) (Gastropoda: Pulmonata). Greenaway P. J Exp Biol 53:147-63, Aug 70

Active transport of sodium by the isolated midgut of Hyalophora cecropia. Harvey WR, et al. J Exp Biol 54:269-74, Feb 71

The involvement of sodium transport in the volume regulation of the amphipod crustacean, Gammarus duebeni. Lockwood AP. J Exp Biol 53:737-51, Dec 70

The control of sodium uptake by the larva of the mosquito Aëdes aegypti (L.). Stobbart RH. J Exp Biol 54:29-66, Feb 71

Evidence for Na plus-H plus and Cl minus-HCO3 minus exchanges during independent sodium and chloride uptake by the larva of the mosquito Aëdes aegypti (L.). Stobbart RH. J Exp Biol 54:19-27, Feb 71

Sodium influx and loss in freshwater and brackish-water populations of the amphipod Gammarus duebeni Lilljeborg. Sutcliffe DW. J Exp Biol 54:255-68, Feb 71

The effect of calcium on sodium influx and loss in Gammarus (amphipoda). Sutcliffe DW. J Exp Biol 54:485-96, Apr 71

Direct measurement of uptake of sodium at the outer surface of the frog skin. Biber TU, et al. J Gen Physiol 56:83-99, Jul 70

Effect of changes in transepithelial transport on the uptake of sodium across the outer surface of the frog skin. Biber TU. J Gen Physiol 58:131-44, Aug 71

Effects of intracellular adenosine-5'-diphosphate and orthophosphate on the sensitivity of sodium efflux from squid axon to external sodium and potassium. De Weer P. J Gen Physiol 56:583-620, Nov 70

Active cation transport and ouabain binding in high potassium and low potassium red blood cells of sheep. Dunham PB, et al. J Gen Physiol 58:94-116, Jul 71

The kinetics of sodium transport in the toad bladder. II. Dual effects of vasopressin. Finn AL. J Gen Physiol 57:349-62, Mar 71

The kinetics of sodium transport in the toad bladder. I. Determination of the transport pool. Finn AL, et al. J Gen Physiol 57:326-48, Mar 71

The mechanism of the caloriqenic action of thyroid hormone. Stimulation of Na plus + K plus-activated adenosinetriphosphatase activity. Ismail-Beigi F, et al. J Gen Physiol 57:710-22, Jun 71

On the mechanisms of sodium ion transport by the irrigated gills of rainbow trout (Salmo gairdneri). Kerstetter TH, et al. J Gen Physiol 56:342-59, Sep 70

Cellular inhomogeneity in dog red cells as revealed by sodium flux. Lange Y, et al. J Gen Physiol 56:438-61, Oct 70

The effect of norepinephrine and dibutyryl cyclic adenosine monophosphate on cation transport in duck erythrocytes. Riddick DH, et al. J Gen Physiol 57:752-66, Jun 71

Ouabain-insensitive sodium movements in the human red blood cell. Sachs JR. J Gen Physiol 57:259-82, Mar 71

Sodium movement in high sodium feline red cells. Sha'afi RI, et al. J Gen Physiol 57:684-96, Jun 71

The kinetics of sodium extrusion in striated muscle as functions of the external sodium and potassium ion concentrations. Sjodin RA. J Gen Physiol 57:164-87, Feb 71

Inhibition of impulse activity in a sensory neuron by an electrogenic pump. Sokolove PG, et al. J Gen Physiol 57:125-63, Feb 71

Characteristics of electrogenic sodium pumping in rat myometrium. Taylor GS, et al. J Gen Physiol 56:360-75, Sep 70

Nonelectrolyte permeability, sodium influx, electrical potentials, and axolemma ultrastructure in squid axons of various diameters. Villegas R, et al. J Gen Physiol 57:323-37, May 71

Potassium and sodium transport across single distal tubules of Amphiuma. Wiederholt M, et al. J Gen Physiol 57:495-525, May 71

Their phosphatase controversy: Love's labours lost. Novikoff AB. J Histochem Cytochem 18:916-7, Dec 70

Sodium and potassium fluxes in Philosamia ricini during Bacillus thuringiensis protein crystal intoxication. Pendleton IR. J Invertebr Pathol 16:313-4, Sep 70

Enzymatic basis for the active transport of sodium in the eccrine sweat gland. Localization and characterization of Na-K-adenosine triphosphatase. Sato K, et al. J Invest Dermatol 57:10-6, Jul 71

Jejunal absorption of water and electrolytes in inflammatory bowel disease. Binder HJ, et al. J Lab Clin Med 76:915-24, Dec 70

The permeability of pinched-off nerve endings to sodium, potassium and chloride and the effects of gramicidin. Keen P, et al. J Neurochem 18:1097-103, Jun 71

Developmental changes in Na + , K + and ATP and in the levels and transport of amino acids in incubated slices of rat brain. Piccoli F, et al. J Neurochem 18:1135-48, Jun 71

Intestinal absorption of sodium and potassium in the laying fowl. Hurwitz S, et al. J Nutr 100:1181-7, Oct 70

Magnesium-ATPase and sodium-potassium-activated ATPase activity in the proximal and distal segments of the small intestine of rats during postnatal development. Ternberg JL, et al. J Pediatr Surg 6:359-64, Jun 71

The effect of ouabain and acetazolamide on transport of sodium and chloride from plasma to aqueous humor. Garg LC, et al. J Pharmacol Exp Ther 175:237-47, Nov 70

Action of ouabain on submaxillary secretion in the dog. Martínez JR. J Pharmacol Exp Ther 178:616-24, Sep 71

Renal ouabain-sensitive adenosine triphosphatase activity and Na+ reabsorption. Nechay BR, et al. J Pharmacol Exp Ther 175:717-26, Dec 70

Effects of cardiac glycosides of renal adenosine triphosphatase activity and Na+ reabsorption in dogs. Nelson JA, et al. J Pharmacol Exp Ther 175:727-40, Dec 70

Further evidence for a sodium-dependent, optically specific and reserpine-sensitive amine carrier mechanism at the adrenergic neuron. Sugrue MF, et al. J Pharmacol Exp Ther 177:389-97, May 71

Sodium transport across the isolated epithelium of the frog skin. Aceves J, et al. J Physiol (Lond) 212:195-210, Jan 71

Effects of prolonged saline exposure on water, sodium and urea transport and on electron-microscopical characteristics of the isolated urinary bladder of the toad Bufo bufo. Ackrill P, et al. J Physiol (Lond) 210:73-85, Sep 70

Time course of the sodium permeability change during a single membrane action potential. Atwater I, et al. J Physiol (Lond) 211:753-65, Dec 70

Sodium-dependent transport of magnesium ions in giant axons of Loligo forbesi. Baker PF, et al. J Physiol (Lond) 216:38P-40P, Jul 71

Urine concentration during solute diuresis in potassium-depleted rabbits. Evidence for a defect in tubular sodium transport. Barraclough MA, et al. J Physiol (Lond) 212:763-75, Feb 71

Intrarenal distribution of blood flow and cortico-medullary sodium gradient after unilateral splanchnicotomy in the dog. Bencsáth P, et al. J Physiol (Lond) 212:629-40, Feb 71

Sodium and potassium conductance changes during a membrane action potential. Bezanilla F, et al. J Physiol (Lond) 211:729-51, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Time course of the sodium influx in squid giant axon during a single voltage clamp pulse. Bezanilla F, et al. J Physiol (Lond) 207:151-64, Mar 70

The effect of carbachol on the efflux of sodium from smooth muscle. Brading AF. J Physiol (Lond) 215:46P-47P, May 71

Analysis of the effluxes of sodium, potassium and chloride ions from smooth muscle in normal and hypertonic solutions. Brading AF. J Physiol (Lond) 214:393-416, May 71

The effect of antidiuretic hormone on Na movement across frog skin. Cereijido M, et al. J Physiol (Lond) 213:119-33, Feb 71

Evidence for two types of sodium conductance in axons perfused with sodium fluoride solution. Chandler WK, et al. J Physiol (Lond) 211:653-78, Dec 70

Sodium and potassium currents in squid axons perfused with fluoride solutions. Chandler WK, et al. J Physiol (Lond) 211:623-52, Dec 70

Rate constants associated with changes in sodium conductance in axons perfused with sodium fluoride. Chandler WK, et al. J Physiol (Lond) 211:679-705, Dec 70

The influence of the chloride gradient across red cell membranes on sodium and potassium movements. Cotterrell D, et al. J Physiol (Lond) 214:509-36, May 71

The effect of the renin-angiotensin system on mucosal water and sodium transfer in everted sacs of rat jejunum. Crocker AD, et al. J Physiol (Lond) 206:323-33, Feb 70

Variations in mucosal water and sodium transfer associated with the rat oestrous cycle. Crocker AD. J Physiol (Lond) 214:257-64, Apr 71

Electrolyte movements and 22Na+ exchange in vascular smooth muscle. Daniel EE, et al. J Physiol (Lond) 214:20P-21P, Apr 71

The effects of some inhibitors and accelerators of sodium transport on the turnover of 22Na in the cerebrospinal fluid and the brain. Davson H, et al. J Physiol (Lond) 209:131-53, Jul 70

Autoradiographic demonstration of inhomogeneous distribution of sodium in single oocytes of Bufo bufo. Dick DA, et al. J Physiol (Lond) 210:305-19, Sep 70

Sodium transport and short-circuit current in rat colon in vivo and the effect of aldosterone. Edmonds CJ, et al. J Physiol (Lond) 210:1021-39, Nov 70

Short-term measurements of amino acid and sodium fluxes across the mucosal border of goldfish intestine. Ellory JC, et al. J Physiol (Lond) 210:110P+, Sep 70

Effects of an antibody and of potassium ions on the apparent affinity for sodium of the sodium pump in low-potassium (LK) goat red cells. Ellory JC, et al. J Physiol (Lond) 217:61P-62P, Aug 71

Intestinal transport of sodium by goldfish adapted to a saline environment. Ellory JC, et al. J Physiol (Lond) 216:46P-47P, Jul 71

The effects of ethacrynic acid and other sulphydryl reagents on sodium fluxes in frog muscle. Erlij D, et al. J Physiol (Lond) 214:327-47, Apr 71

Voltage clamp of the Aplysia giant neurone: early sodium and calcium currents. Geduldig D, et al. J Physiol (Lond) 211:217-44, Nov 70

The effect of the internal sodium concentration on calcium fluxes in isolated guinea-pig auricles. Glitsch HG, et al. J Physiol (Lond) 209:25-43, Jul 70

Nucleotide requirements for Na:Na exchange by the Na pump. Glynn IM, et al. J Physiol (Lond) 207:34P-35P, Mar 70

Contributions of the sodium pump and ionic gradients to the membrane potential of a molluscan neurone. Gorman AL, et al. J Physiol (Lond) 210:897-917, Nov 70

Temperature dependence of the sodium-potassium permeability ratio of a molluscan neurone. Gorman AL, et al. J Physiol (Lond) 210:919-31, Nov 70

Temperature dependence of non-electrolyte and sodium permeability in giant axon of squid. Hidalgo C, et al. J Physiol (Lond) 211:173-91, Nov 70

Effect of stimulation and hyperpolarization on non-electrolyte and sodium permeability in perfused axons of squid. Hidalgo C, et al. J Physiol (Lond) 211:193-202, Nov 70

The permeability of the L cell membrane to sodium, potassium and chloride. Lamb JF, et al. J Physiol (Lond) 207:25P-26P, Mar 70

The membrane potential and permeabilities of the L cell membrane to Na, K and chloride. Lamb JF, et al. J Physiol (Lond) 213:683-9, Mar 71

Effect of ouabain and metabolic inhibitors on the Na and K movements and nucleotide contents of L cells. Lamb JF, et al. J Physiol (Lond) 213:665-82, Mar 71

Uptake of (3H)ouabain and Na pump turnover rates in monolayer cultures of Girardi heart cells. Lamb JF, et al. J Physiol (Lond) 213:57P-58P, Mar 71

Optical studies on the kinetics of the sodium pump in mammalian non-myelinated nerve fibres. Landowne D, et al. J Physiol (Lond) 212:483-502, Jan 71

The coupling of downhill ion movements associated with reversal of the sodium pump in human red cells. Lant AF, et al. J Physiol (Lond) 207:291-301, Apr 70

Micropuncture studies of the electrochemical aspects of fluid and electrolyte transport in individual seminiferous tubules, the epididymis and the vas deferens in rats. Levine N, et al. J Physiol (Lond) 213:557-70, Mar 71

The permeability of mammary ducts. Linzell JL, et al. J Physiol (Lond) 216:701-16, Aug 71

Intracellular concentrations of sodium, potassium and chloride in the lactating mammary gland and their relation to the secretory mechanism. Linzell JL, et al. J Physiol (Lond) 216:683-700, Aug 71

The effect of angiotensin on cation transport by rat kidney cortex slices. Munday KA, et al. J Physiol (Lond) 215:269-82, May 71

An effect of angiotensin on sodium pump activity of rat kidney cortex. Munday KA, et al. J Physiol (Lond) 214:31P-32P, Apr 71

The dependence on temperature and phosphatidylserine of adenosine triphosphatase activity of the sodium pump. Priestland RN, et al. J Physiol (Lond) 211:Suppl:22P+, Dec 70

The control by internal calcium of membrane permeability to sodium and potassium. Romero PJ, et al. J Physiol (Lond) 214:481-507, May 71

Inhibition of active sodium transport in isolated frog skin by the diuretic, amiloride: site of action. Saiako LA, et al. J Physiol (Lond) 206:37P-38P, Feb 70

Ionic dependence of protein transport across the new-born pig intestine. Smith MW. J Physiol (Lond) 214:349-63, Apr 71

Galactose transport across the hamster small intestine: the effect of sodium electrochemical potential gradients. Smulders AP, et al. J Physiol (Lond) 212:277-86, Jan 71

Ionic mechanism of post-tetanic potentiation at the neuromuscular junction of the frog. Weinreich D. J Physiol (Lond) 212:431-46, Jan 71

The involvement of phosphatidylserine in adenosine triphosphatase activity of the sodium pump. Wheeler KP, et al. J Physiol (Lond) 207:303-23, Apr 70

Paradoxical temperature dependence of sodium and potassium fluxes in human red cells. Wieth JO. J Physiol (Lond) 207:563-80, May 70

Oxygen uptake and active transport of sodium by the foetal gastric mucosa. Wright GH. J Physiol (Lond) 212:40P-41P, Jan 71

Mechanisms of renal lithium handling and their relationship to mineralocorticoids: a dissociation between sodium and lithium ions. Baer L, et al. J Psychiatr Res 8:91-105, Jun 71

Passage of sodium into the uterine lumen of the rat during the sexual cycle and under the influence of steroidal hormones. Marley PB, et al. J Reprod Fertil 26:287-96, Sep 71

The relationship to ventricular fibrillation of early tissue sodium and potassium shifts and coronary vein potassium levels in experimental myocardial infarction. Cherry G, et al. J Thorac Cardiovasc Surg 61:587-98, Apr 71

Intracellular cation alterations following major trauma: effect of supranormal caloric intake. Curreri PW, et al. J Trauma 11:390-6, May 71

Pretibial edema and sodium retention during lithium carbonate treatment. Demers R, et al. JAMA 214:1845-8, 7 Dec 70

The influence of elevated venous pressure on blood-tissue exchange of 22Na in perfused hindlimbs of dogs. Imao T. Jap Circ J 35:1-20, Jan 71

The electrolyte metabolism as a pathogenetic factor in hypertension. Kashii C. Jap Circ J 35:523-9, May 71

Sodium and hypertension. Yorifuji S. Jap Circ J 35:531-3, May 71

On the state of water in developing muscle: a study of the major phase of ordered water in skeletal muscle and its relationship to sodium concentration. Haziewood CF, et al. Johns Hopkins Med J 128:117-31, Mar 71

Lithium toxicity and sodium intake. Messini M. Lancet 2:266, 31 Jul 71

Sodium in chronic renal failure. Lancet 1:1282-3, 19 Jun 71

Sensitivity of the sodium efflux from the toad oocyte to the removal of external K ions. Bittar EE. Life Sci [I] 9:1049-53, 15 Sep 70

Diphenylhydantoin as a blocking agent of the proton-sensitive component of Na efflux in barnacle muscle fibers. Danielson BG, et al. Life Sci [I] 16:721-6, 1 Jul 71

Simultaneous measurement of the effect of vasopressin on sodium and water transport across toad bladder. Wright DW, et al. Life Sci [I] 10:301-8, 15 Mar 71

The action of Na plus -K plus -ATPase inhibitors on sodium efflux from the toad oocyte. Bittar EE. Life Sci [II] 9:773-9, 8 Jul 70

Ca-ATPase activation and NaK-ATPase inhibition as a function of calcium concentration in human red cell membranes. Davis PW, et al. Life Sci [II] 10:401-6, 8 Apr 71

On the mechanism of action of aldosterone on sodium transport: effect of inhibitors of DNA synthesis. Fanestil DD. Life Sci [II] 7:191-5, 15 Feb 68

Factors controlling sodium transport in the proximal tubule and their relevance to clinical medicine. Morgan T. Med J Aust 1:118-21, 16 Jan 71

Renal tubular sites of natriuresis of fasting and glucose-induced sodium conservation. Schloeder FX, et al. Metabolism 19:1119-28, Dec 70

Chronic milk-alkali syndrome and salt-losing nephropathy. Ansari A, et al. Minn Med 54:611-6, Aug 71

The postoperative carbohydrate, nitrogen, fat and electrolyte metabolism: aldosterone-blocking agent effect. Schultis K, et al. Minn Med 53:1061-8, Oct 70

Fixed hyponatremia with normal responses to varying salt and water intakes. Miles AI, et al. N Engl J Med 284:26-8, 7 Jan 71

The role of oxidative and glycolytic metabolism in cation transport of the isolated rat liver perfused with an erythrocyte-free medium. Frimmer M, et al. Naunyn Schmiedebergs Arch Pharmakol 268:119-21, 1971

The effect of diphenylhydantoin administration on sodium-potassium-activated ATPase in cortex. Lewin E, et al. Neurology (Minneap) 21:647-51, Jun 71

Diphenylhydantoin and sodium influx. Pincus JH. Neurology (Minneap) 20:393, Apr 70

Sodium-amino acid interaction in transport in vivo. Nutr Rev 28:266-8, Oct 70

Renal sodium and water conservation in acute paraplegia. McCarthy DP, et al. Paraplegia 8:186-95, Nov 70

Effects of calcium and sodium on contracture tension in the smooth muscle of the rat portal vein. Biamino G, et al. Pflugers Arch 321:143-58, 1970

Effect of amiloride on sodium transport in frog skin. II. Sodium transport pool and unidirectional fluxes. Dörge A, et al. Pflugers Arch 321:91-101, 1970

Biochemical aspects of the visual process. X. Distribution and movements of ions in the dark-adapted retina of the cuttlefish (Sepia officinalis). Duncan G, et al. Pflugers Arch 322:264-77, 1971

Sodium and potassium balance during the administration of desoxycorticosterone in dogs with differing dietary sodium intakes. Ellinghaus K. Pflugers Arch 322:347-54, 1971

The influence of lissamine green on tubular reabsorption of electrolytes and water in rats. Heller J. Pflugers Arch 323:27-33, 1971

Independent stimulation of sodium entry and sodium extrusion in frog urinary bladder by aldosterone. Janáček K, et al. Pflugers Arch 326:316-23, 1971

Simultaneous measurement of undirectional and net sodium fluxes in microperfused rat proximal tubules. Morel F, et al. Pflugers Arch 320:1-23, 1970

A study of the different sodium compartments and the transepithelial sodium fluxes of the frog skin with the use of ouabain. Nagel W, et al. Pflugers Arch 324:267-78, 1971

Control by insulin of sodium potassium and water excretion by the isolated dog kidney. Nizet A, et al. Pflugers Arch 323:11-20, 1971

The localization of sodium transport sites in a forward pumping secretory system. Siegers JF, et al. Pflugers Arch 327:167-85, 1971

Effect of a sudden change in sodium concentration on repetitively evoked action potentials of single nodes of Ranvier. Vierhaus J, et al. Pflugers Arch 326:76-87, 1971

A microperfusion investigation of bicarbonate secretion by the rat submaxillary gland. The action of a parasumpathomimetic drug on electrolyte transport. Young JA, et al. Pflugers Arch 319:185-99, 1970

Adenosine 3',5'-cyclophosphate and (Na plus-K+) activated adenosine triphosphatase. Douša T. Physiol Bohemoslov 19:113-5, 1970

The site of the action of calcium on renal tubular reabsorption of sodium in man. Sotorník I, et al. Physiol Bohemoslov 19:375-9, 1970

Coupled transport of sodium and organic solutes. Schultz SG, et al. Physiol Rev 50:637-718, Oct 70 (240 ref.)

Electrolyte concentration in the duodenal juice and its digestive activity. Socha J, et al. Pol Med J 10:489-94, 1971

The hydration of sodium ions crossing the nerve membrane. Hille B. Proc Natl Acad Sci USA 68:280-2, Feb 71

The influence of structural abnormality on ion transport in rabbit ileum. al-Awqati Q, et al. Proc Soc Exp Biol Med 135:598-604, Dec 70

Effect of reserpine on 22Na and 42K exchange in the cat papillary muscle. Choi SJ, et al. Proc Soc Exp Biol Med 135:579-84, Dec 70

Relationship of Na transport and K excretion by the urinary bladder of Bufo marinus. Frazier LW, et al. Proc Soc Exp Biol Med 136:235-8, Jan 71

Renin activity in urine, plasma, and renal cortex of dogs during changes in sodium balance. Hayduk K, et al. Proc Soc Exp Biol Med 136:399-402, Feb 71

The effect of varying O2 tensions on Na Transport in the toad bladder. McDougal B, et al. Proc Soc Exp Biol Med 136:871-3, Mar 71

Effects of hemorrhage and tilting on Na, Cl and H2O absorption from the intestine. Mailman DS, et al. Proc Soc Exp Biol Med 137:78-81, May 71

Ionic flux across the gastric mucosa: effects of atropine on the permeability of fundus and antrum. Rudick J, et al. Proc Soc Exp Biol Med 135:605-8, Dec 70

The effect of malethamer on the excretion and plasma

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

levels of sodium, potassium, and chloride. Tust RH, et al. Proc Soc Exp Biol Med 135:72-6, Oct 70
The effects of epidermal hydration and sodium reabsorption on palmar skin potential. Fowles DC, et al. Psychol Bull 73:363-78, May 70
Displacement of oxygen dissociation curves and red cell cation exchange in chronic hypercapnia. Schaefer KE, et al. Resp Physiol 10:299-312, Oct 70
Hypercalcaemia and sodium-losing renal disease. Studies on the renal handling of calcium and sodium. Transbol I, et al. Scand J Urol Nephrol 4:125-33, 1970
The chemical pathology of the affective disorders. Coppen AJ.
Sci Basis Med Annu Rev 179-210, 1970 (59 ref.)
Sodium and potassium activities in normal and "sodium-rich" frog skeletal muscle. Armstrong WM, et al. Science 171:413-5, 29 Jan 71
Theoretical and experimental basis for a specific countertransport system in membranes. Cussler EL, et al. Science 172:377-9, 23 Apr 71
Alterations in activated magnesium and sodium plus potassium adenosine triphosphatase and the krebs cycle in hemorrhagic shock. Baue AE, et al.
Surg Forum 21:8-10, 1970
Augmented ileal sodium and potassium stimulated adenosine triphosphatase after jejunal transposition. Tilson MD, et al. Surg Forum 21:326-7, 1970
An adaptive change in ileal Na-K-ATPase activity after jejunectomy or jejunal transposition. Tilson MD, et al. Surgery 70:421-4, Sep 71
Effect of operation upon sodium metabolism and aldosterone secretion rate in children. Weldon VV, et al. Surgery 70:433-8, Sep 71
Effect of ciguatoxin on sodium transport across the frog skin. Setliff JA, et al.
Toxicol Appl Pharmacol 18:676-84, Mar 71
Intrarenal perfusion in the young "essential" hypertensive: a subpopulation resistant to sodium restriction. Hollenberg NK, et al.
Trans Assoc Am Physicians 83:93-101, 1970
Sodium movements from frog rod outer segments. Bowmaker JK. Vision Res 10:601-4, Jul 70
The penetration of sodium into the brain following a cisternal injection of sodium chloride with particular emphasis on the area postrema. Torack RM.
Z Zellforsch Mikrosk Anat 113:1-12, 1971
Motile marine bacteria. IV. Ionic relationships of marine and terrestrial bacteria. Leifson E.
Zentralbl Bakteriol [Naturwiss] 125:170-206, 1970
[Electrolytes, enzymes and hormones in women with spontaneous and habitual abortions] Kiutukchiev B, et al. Akush Ginekol (Sofiia) 10:89-98, 1971 (Bul)
[Intervention of the peritubular oncotic pressure in the sodium reabsorption by the dog kidney] Vereerstraeten P.
Acta Clin Belg 5:Suppl 5:3-144, 1969 (Fre)
[Effects of a posterior pituitary extract on ion exchanges in Helix aspersa hearts kept alive in mineral solutions] Michel O, et al.
Ann Endocrinol (Paris) 31:895-905, Sep-Oct 70 (Fre)
[Some properties of the ATPases of frog skin] Dargent-Salée ML.
Arch Int Physiol Biochim 78:253-8, Apr 70 (Fre)
[Cationic exchange at the level of neurones and glial cells of brain] Franck G.
Arch Int Physiol Biochim 78:83-866, Oct 70 (Fre)
[Distribution and exchanges of sodium at the aorta level in the rat] Rorive G.
Arch Int Physiol Biochim 78:289-305, Apr 70 (Fre)
[Sodium and arterial hypertension] Cier JF, et al.
Bord Med 4:1771-2 passim, Jun 71 (Fre)
[Sodium conductance of the nodal membrane: competitive calcium-sodium inhibition] Dubois JM, et al. C R Acad Sci [D] (Paris) 272:2924-7, 7 Jun 71 (Fre)
[Comparative dynamics of gas and ionic exchanges in an experimental extracellular component] Harichaux P, et al. C R Soc Biol (Paris) 164:1038-40, 1970 (Fre)
[Osteoporosis caused by sodium deficiency in growing rats] Witmer G, et al.
Calcif Tissue Res 7:114-32, 1971 (Fre)
[Action of H+ ions on membrane potentials of the isolated, perfused rat liver] Claret M.
J Physiol (Paris) 1:Suppl 1:105-6, 1969 (Fre)
[Transmembrane polarization and hepatic ion concentrations. Their evolution during ontogenesis in the rat] Fabiato F.
J Physiol (Paris) 1:Suppl 1:126, 1969 (Fre)
[Continuous measurement of potassium and sodium activity in the interstice of the striated muscle during muscular exercise] Gebert G, et al.
J Physiol (Paris) 62:Suppl 3:380, 1970 (Fre)
[Sodium transport by the slow kinetics system of the myocardial sinus membrane in rabbits] Lenfant J, et al. J Physiol (Paris) 62:Suppl 2:293, 1970 (Fre)
[Decrease of sodium transport by the jejunum during extracellular volume expansion in rats. An experimental model for the study of the 3d factor] Hornych A, et al.
J Urol Nephrol (Paris) 75:657-64, Sep 69 (Fre)
[Interaction between the effect of the sodium ion, calcium ion and potassium ion on the dynamics and contractility of the myocardium] Kohlhardt M, et al.
Arch Kreislaufforsch 59:261-86, Jul-Aug 69 (Ger)
[Changes in the potassium and sodium content of baker's yeast under the influence of drugs] Hameister W. Arzneim Forsch 20:1818-23, Nov 70 (Ger)
[Exchangeable sodium and total potassium content in patients during long-term therapy with 9 -fluorhydrocortisone] Scholz A, et al.
Arzneim Forsch 21:Suppl:1153-7, Aug 71 (Ger)
[Studies on the influence of various saluretics on the sodium metabolism of erythrocytes in vitro] Wessels F, et al. Arzneim Forsch 20:1922-5, Dec 70 (Ger)
[Sodium accumulation in cataractous lenses] Andrée G.
Ber Dtsch Ophthalmol Ges 70:354-8, 1970 (Ger)
[Renal regulation of the sodium balance] Holzgreve H, et al. Internist (Berlin) 12:69-76, Mar 71 (45 ref.) (Ger)
[Aldosterone and sodium balance] Siegenthaler W, et al. Med Klin 65:1149-55, 12 Jun 70 (48 ref.) (Ger)
[Increased Na turnover in rats with renal hypertension] Brunner H.
Naunyn Schmiedebergs Arch Pharmakol 267:278-92, 1970 (Ger)
[Kinetics of the blocking action of antifibrillatory drugs on sodium channels in myocardial fibers] Heistracher P, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:351-2, 1970 (Ger)
[Kinetics of the recovery of sodium channels from the blocking action of antifibrillatory drugs] Liebeswar G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:392-3, 1970 (Ger)
[Elucidation of the cause of the net transfer of water and Na+ conditioned by oxyphenisatin in rat colon] Overhoff H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:419-20, 1970 (Ger)
[Comparative studies on the output of 45calcium and 22sodium and oxygen consumption of the isolated rabbit choroid plexus] Possner R, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:427-8, 1970 (Ger)
[Influence of aldosterone on 24Na-efflux in collecting ducts of rats] Uhlich E, et al.
Pfluegers Arch 320:261-4, 1970 (Ger)
[Demonstration and significance of exchangeable sodium and body fluid volume for arterial hypertension] Vorburger C.
Schweiz Med Wochenschr 100:1564-8, 12 Sep 70 (Ger)
[Renal lesions after serotonin- or potassiumdichromate-injections in sodium loaded and sodium depleted rats] Schubert GE, et al.
Virchows Arch [Pathol Anat] 351:68-82, 1970 (Ger)
[Disorders of sodium and water metabolism] Zumkley H. Z Allgemeinmed 47:975-80, 10 Jul 71 (Ger)
[Intraerythrocytic cation concentration and acid-base rates during pregnancy, labor and puerperium] Goecke C, et al.
Z Geburtshilfe Gynaekol 171:275-84, Dec 69 (Ger)
[Cation movements in the isolated perfused rat liver] Frimmer M, et al.
Z Gesamte Exp Med 152:269-73, 23 Aug 70 (Ger)
[Studies on electrolyte metabolism of erythrocytes in chronic kidney failure] Wessels F.
Z Klin Chem Klin Biochem 8:278-83, May 70 (Ger)
[Mineral requirements of milk cows during pasturing] Kemp A. Z Tierphysiol 23:267-78, Apr 68 (Ger)
[Entity of erythrocyte incorporation of some electrolytes in chronic uremia, studied by means of incubation technic in vitro] Bandiani G, et al.
Arch E Maragliano Patol Clin 25:177-80, May-Jun 69 (Ita)
[Experience with acoustic sensory stress. V. Behavior of sodium and potassium in the rat submandibular gland in audiogenic stress] Croce G, et al.
Boll Mal Orecch Gola Naso 87:300-6, 1969 (Ita)
[Measurements of the circadian rhythm of urinary excretion of sodium and potassium in patients with depression] Montalbetti N, et al.
Boll Soc Ital Biol Sper 45:627-30, 31 May 69 (Ita)
[Changes in the sodium concentration in kidneys rendered ischemic] Ventrelli I.
Boll Soc Ital Biol Sper 45:1264-7, 15 Oct 69 (Ita)
[Behavior of organic sodium and blood pressure levels in uremic subjects undergoing continuous hemodialytic treatment] Lamperi S, et al.
Minerva Nefrol 16:407-12, Nov-Dec 69 (Ita)
[Kinetics of ion exchange in the perilymphatic fluid. Attempts of interpretation] Aliprandi G, et al.
Minerva Otorinolaringol 19:70-4, Mar-Apr 69 (Ita)
[Reaction mechanism of Na-K dependent ATPase] Kanazawa T.
J Jap Biochem Soc 42:777-800, Oct 70 (95 ref.) (Jap)
[The third factor] Yoshida H, et al.
Naika 28:53-7, 1971 (10 ref.) (Jap)
[Co-transport of sugar and sodium ion in animal cells] Hoshi T.
Protein Nucleic Acid Enzyme (Tokyo) 16:735-44, Aug 71 (54 ref.) (Jap)
[Molecular mechanism of active transport of cations] Saito M.
Protein Nucleic Acid Enzyme (Tokyo) 16:723-34, Aug 71 (157 ref.) (Jap)
[Sodium as a component in infusion solution] Kato E, et al. Saishin Igaku 26:253-8, 10 Feb 71 (36 ref.) (Jap)
[Neurological regulation of body fluid volume] Nagasaka M.
Saishin Igaku 26:290-5, 10 Feb 71 (59 ref.) (Jap)
[Regulation of renal sodium excretion] Kill F.
Nord Med 84:1510, 19 Nov 70 (Nor)
[Side effects with the use of diuretics] Enger E.
Tidsskr Nor Laegeforen 91:1239-43, 10 Jun 71 (Nor)
[The mechanism of sodium diuresis: the controversy concerning the hormone stimulating sodium excretion] Sadowski J.
Acta Physiol Pol Suppl:131-46, 1970 (Pol)
[Studies on the production of staphylococcal alpha toxin. II. pH culture and growth density in the process of toxin production in the presence of CO2, with the addition of sodium pyruvate] Ganczarski A, et al.
Med Dosw Mikrobiol 22:211-7, 1970 (Pol)
[Sodium metabolism in patients with gastric cancer during rest period and the course of reaction to surgical trauma] Oszacki J, et al.
Nowotwory 20:161-5, Jul-Sep 70 (Pol)
[Nitrogen and electrolyte balance in patients with myocardial infarction] Hasik J, et al.
Pol Arch Med Wewn 46:181-6, Feb 71 (Pol)
[Electrolytes in duodenal contents and behavior of the hyperglycemic curve in diabetic children after glucose loading] Bittner K, et al.
Pol Tyg Lek 26:580-1, 19 Apr 71 (Pol)
[Study of normal and pathological pregnancy: plasma and urinary protein, calcium, phosphorous, sodium and potassium ions and hematocrit changes] Dottaviano EJ.
Matern Infanc (Sao Paulo) 29:99-121, Jan-Mar 70 (Por)
[Further data on the metabolism of sodium in the economy of the body and in some clinical states] Dimitriu CG, et al.
Med Interna (Bucur) 22:1155-63, Oct 70 (Rum)
[Mechanism of regulation of the spontaneous activity of snail giant neurons] Afrapetian SN.
Biofizika 14:866-72, Sep-Oct 69 (Rus)
[Metabolic absorption of potassium and sodium ions by membrane fragments of skeletal muscles] Kholodova IuD, et al. Biofizika 15:836-43, Sep-Oct 70 (Rus)
[Effect of water flow in relation to osmotic gradient on water and sodium transport through the bladder wall and skin of frogs] Natochin IuV, et al.
Biofizika 15:1029-35, Nov-Dec 70 (Rus)
[The effect of pituitrin P on the concentration of sodium and potassium in the walls of rabbit arteries] Rutsaf SV. Biull Eksp Biol Med 67:69-71, Jun 69 (Rus)
[The mechanism of spontaneous smooth muscle relaxation following application of stimulating substances] Samoilovich IM.
Biull Eksp Biol Med 66:6-9, Nov 68 (Rus)
[Adaptive changes in sodium, potassium and water requirements of rats with acute experimental nephritis] Iaroshevskiĭ AIa, et al.
Dokl Akad Nauk SSSR 197:980-3, 1971 (Rus)
[Role of aldosterone and hydrocortisone in the control of sodium metabolism in the organism] Kolpakov MG, et al.
Dokl Akad Nauk SSSR 186:1228-31, 11 Jun 69 (Rus)
[Binding of Na+ by phospholipids of retinal external segments during illumination] Leont'ev VG, et al.
Dokl Akad Nauk SSSR 197:490-3, 11 Mar 71 (Rus)
[Correlation between sodium reabsorption and magnesium secretion in the Salmonidae kidney] Natochin IuV, et al.
Dokl Akad Nauk SSSR 186:732-5, May 69 (Rus)
[Anaerobic acetate formation from CH3OH, CH2O, HCOOH, Na2CO3 by cellular suspensions of a thermophilic culture of Methanobacillus kuzneceovii] Pantskhava ES.
Dokl Akad Nauk SSSR 188:215-8, Sep-Oct 69 (Rus)
[Significance of ionic Na-K correlation for the functioning of sarcoplasmic reticulum] Severin SE, et al. Dokl Akad Nauk SSSR 188:1415-7, 21 Oct 69 (Rus)
[Changes in the ionic permeability of myocardial membrane fibers during the genesis of automatic activity] Babskiĭ EB, et al.
Fiziol Zh SSSR 56:1591-9, Nov 70 (Rus)
[Potassium and sodium ion content of dog smooth muscles with a deficit of acetylcholine in the organism] Kuchushev GKh.
Fiziol Zh SSSR 56:1767-71, Dec 70 (Rus)
[Extra- and intracellular content of potassium and sodium ions in dogs with catecholamine deficiency] Volkova IN, et al. Fiziol Zh SSSR 56:927-31, 1970 (Rus)
[Electrolyte metabolism dynamics in surgery of perforated gastroduodenal ulcers] Chukhrienko DP, et al. Klin Khir 11:32-6, Nov 70 (Rus)
[Energy metabolism in the brain and the nerve impulse] Prokhorova MI. Nerv Sist 9:13-23, 1968 (Rus)
[Level of potassium and sodium in the plasma, erythrocytes and urine, and the volume of circulating blood in patients with obstructive jaundice of various etiology] Agzamkhodzhaev SM, et al.
Ter Arkh 42:65-8, Dec 70 (Rus)
[Some indices of electrolyte metabolism in patients with hypertensive disease and their shift during the therapeutic process] Gumbatov NB.
Ter Arkh 42:16-9, Jul 70 (Rus)
[Sodium and potassium metabolism in patients with hemorrhagic fever and renal syndrome] Konstantinov AA, et al. Ter Arkh 42:79-83, Jul 70 (Rus)
[Dynamics of sodium and potassium metabolism in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

various stages of hypertensive disease] Korneva MS. Ter Arkh 42:13-6, Jul 70 (Rus)
[Absorption of potassium and sodium ions by skeletal muscle myofibrils] Kholodova IuD, et al. Tsitologiia 12:1237-47, Oct 70 (Rus)
[Vacuolation of skeletal muscle fibers. IV. Effect of mineral ion fluxes on the light microscopic structure of the fibers] Krolenko SA. Tsitologiia 12:1379-88, 1970 (Rus)
[Effect of glycerin on the concentration of Na+ in isolated frog muscle fibers] Shvinka NE. Tsitologiia 13:463-7, Apr 71 (Rus)
[Redistribution of potassium and sodium between muscles and medium during changes in the concentration of these ions in solution] Vereninova SA. Tsitologiia 13:609-16, May 71 (Rus)
[Role of phospholipids in manifestation of Na+, K+-ATPase avtivity] Kirsenko OV, et al. Ukr Biokhim Zh 43:25-34, 1971 (Rus)
[Enzymatic mechanism of ion transport] Kometiani ZP. Ukr Biokhim Zh 43:53-9, 1971 (Rus)
[Interaction of Na+, K+-ATPase with ouabain] Lishko VK, et al. Ukr Biokhim Zh 43:17-24, 1971 (Rus)
[The effect of ovarian steroids on glucose-6-phosphatase activity and sodium and potassium concentration in the renal tissue of female rats] Radev A. Vopr Med Khim 16:394-9, Jul-Aug 70 (Rus)
[The effect of brain tumor removal on several biochemical and hematologic indices] Brodskaia NI, et al. Vopr Neirokhir 35:22-6, Jan-Feb 71 (Rus)
[Changes in sodium and potassium metabolism in the pre- and postoperative period of stomach cancer patients] Soroka VR, et al. Vopr Onkol 16:18-21, 1970 (Rus)
[Effects of adrenaline and gamma radiation on the active transport of sodium in frog skin] Lopez Zumel MC, et al. Arch Inst Farmacol Exp (Madr) 21:1-10, 1969 (Spa)
[Study of sodium and potassium electrolyte regulation on fetal rat tissues] Pascual-Leone AM. Rev Esp Fisiol 26:315-20, Dec 70 (Spa)
[Mechanisms that regulate aldosterone biosynthesis during sodium depletion] Aguilera G, et al. Rev Med Chil 98:850-5, Dec 70 (Spa)
[Effect of subletahal and lethal radiation doses on extracellular and intracellular distribution of sodium and potassium in the brain, liver, kidney and muscular tissue of rats] Shamrai KF, et al. Fiziol Zh 16:513-8, Jul-Aug 70 (Ukr)
[Contents of potassium sodium and chlorine in the muscle tissue and the tissue of rhabdomyoblastoma] Shuba EP. Fiziol Zh 14:101-5, Jan-Feb 68 (Ukr)
[Results of a simultaneous determination of electrolytes (potassium and sodium) in sweat, saliva, blood and urine in children withystic fibrosis] Ogorodnik DI, et al. Pediatr Akush Ginekol 4:19-20, Jul-Aug 70 (Ukr)
[Effect of vitamin A deficiency on sodium and potassium distribution in cellular fractions of the liver] Leutskii KM, et al. Ukr Biokhim Zh 43:215-8, Mar-Apr 71 (Ukr)

PHARMACODYNAMICS

The effect of adrenal arterial infusion of hypertonic NaHCO3 solution on aldosterone secretion in sodium deficient sheep. Blair-West JR, et al. Acta Endocrinol (Kbh) 66:448-61, Mar 71
Effect of sodium deprivation on the in vivo conversion of DOC and corticosterone into aldosterone in rats. Vecsei P, et al. Acta Endocrinol [Suppl] (Kbh) 155:108, 1971
Potassium- and sodium- induced changes in the electrical activity of heart cells "in vitro". Oliveira Castro GM, et al. Acta Physiol Lat Am 20:242-51, 1970
Influence of acid-base changes on isolated human foetal hearts. Andersson KE, et al. Acta Physiol Scand Suppl 353:20+, 1970
Effect of osmolality on Na plus-K plus-ATPase in outer renal medulla. Alexander JC, et al. Am J Physiol 219:1742-5, Dec 70
Insulin effect on amino acid transport in bone: dependence on protein synthesis and Na+. Hahn TJ, et al. Am J Physiol 220:1717-23, Jun 71
Acetylcholine contractures of denervated muscles in sodium-free solutions. Lorković H. Am J Physiol 219:1496-504, Nov 70
Activation of human erythrocyte membrane ATPase by low concentrations of sodium and potassium. Smith EK, et al. Am J Physiol 220:119-23, Jan 71
Inhibition of renin secretion by vasopressin in unanesthetized sodium-deprived dogs. Tagawa H, et al. Am J Physiol 220:949-51, Apr 71
Cationic requirements of colon slow waves in the cat. Wienbeck M, et al. Am J Physiol 220:513-9, Feb 71
Inhibition by sodium and lithium in osmophilic yeasts. Rodríguez-Navarro A. Antonie van Leeuwenhoek 37:225-31, 1971
Influence of Na+ on synthesis of macromolecules by a marine bacterium. Webb CD, et al. Appl Microbiol 21:1060-8, Jun 71
Vascular reactivity of rats altered by cadmium and a zinc chelate. Schroeder HA, et al. Arch Environ Health 21:609-14, Nov 70
A (Na+ K+) ATPase of sarcolemma from skeletal muscle. Peter JB. Biochem Biophys Res Commun 40:1362-7, 30 Sep 70
Intramitochondrial release and binding of mitochondrial aspartate aminotransferase and malate dehydrogenase in the presence and absence of monovalent and bivalent cations. Rendon A, et al. Biochem Biophys Res Commun 42:1214-9, 19 Mar 71
Inhibition of Escherichia coli DNA polymerase by monovalent cations. Bishop CC Jr, et al. Biochim Biophys Acta 227:97-105, 13 Jan 71
Mechanism of transport and storage of biogenic amines. 3. Effects of sodium and potassium on kinetics of 5-hydroxytryptamine and norepinephrine transport by rabbit synaptosomes. Bogdanski DF, et al. Biochim Biophys Acta 219:189-99, 1970
Effects of cations and ouabain on thyroid adenyl cyclase. Burke G. Biochim Biophys Acta 220:30-41, 14 Oct 70
Sodium-dependent binding of L-histidine to a fraction of mucosal brush borders from hamster jejunum. Faust RG, et al. Biochim Biophys Acta 219:507-11, 1 Dec 70
The action of insulin on glucose uptake by isolated rat soleus muscle. I. Effects of cations. Gould MK, et al. Biochim Biophys Acta 215:249-57, 14 Aug 70
The effect of urea, sodium and calcium on microsomal ATPase activity in different parts of the kidney. Gutman Y, et al. Biochim Biophys Acta 233:133-6, 9 Mar 71
Cation gradients, ATP and amino acid accumulation in Ehrlich ascites cells. Potashner SJ, et al. Biochim Biophys Acta 233:91-103, 9 Mar 71
Effects of Na+ and K+ on the uptake of metaraminol by rabbit ventricular slices. Paton DM. Br J Pharmacol 41:65-75, Jan 71
Sodium-potassium stimulated adenosinetriphosphatase of vascular smooth muscle. Wolowyk MW, et al. Can J Biochem 49:376-84, Mar 71
Satellite association in human lymphocytes and sodium citrate concentration of hypotonic (spreading) solution. Nankin HR. Can J Genet Cytol 13:115-8, Mar 71
A comparison of Na+ activation of ATPase in the red cell, renal cortex, and renal medulla. Cole CH, et al. Can J Physiol Pharmacol 49:63-9, Jan 71
Effects of calcium and sodium on cardiac contractility and heat production in rabbit papillary muscle. Chapman JB, et al. Circ Res 27:801-10, Oct 70
Influence of ionic conditions on cell differentiation and morphogenesis of the cellular slime molds. Maeda Y. Dev Growth Differ (Nagoya) 12:217-27, Dec 70
Effect of changes in ionic environment on the action of bradykinin on the guinea-pig taenia coli. Aarsen PN, et al. Eur J Pharmacol 12:348-58, 1970
Alteration of cell volume in bull spermatozoa by factors known to affect active cation transport. Bredderman PJ, et al. Exp Cell Res 66:190-6, May 71
Effect of changes in external ion concentrations and 2,4-dinitrophenol on the conductance of toad lens membranes. Duncan G, et al. Exp Eye Res 10:192-200, Oct 70
Effect of choline, high potassium, and low sodium on the number of neurons in cultures of dissociated chick ganglia. Scott BS, et al. Exp Neurol 31:183-8, May 71
Effects of drugs and ions on a primitive system of spontaneous contractions in a sponge (Euspongia officinalis). Pavans de Ceccatty M. Experientia 27:57-9, 15 Jan 71
Mechanisms of target cell destruction by alloimmune peritoneal macrophages. I. The effect of treatment with sodium fluoride. McIvor KL, et al. Immunology 20:307-13, Mar 71
Influence of sodium, glucose and xylose on calcium absorption. Studies with jejunal perfusions in five human subjects. Chapuy MC, et al. Isr J Med Sci 7:386-8, Mar 71
The effect of hydrochlorothiazide and of sodium in the diet on calcium and strontium transport in intestine and kidney. Donath A, et al. Isr J Med Sci 7:393, Mar 71
Inactivation of Na plus-K plus-dependent ATPase by phospholipase-treatment and its reactivation by phospholipids. Taniguchi K, et al. J Biochem (Tokyo) 69:543-57, Mar 71
Effects of intracellular adenosine-5'-diphosphate and orthophosphate on the sensitivity of sodium efflux from squid axon to external sodium and potassium. De Weer P. J Gen Physiol 56:583-620, Nov 70
Sodium- and calcium-dependent spike potentials in the secretory neuron soma of the X-organ of the crayfish. Iwasaki S, et al. J Gen Physiol 57:216-36, Feb 71
Dicarboxylic amino acid influx across brush border of rabbit ileum. Effects of amino acid charge on the sodium-amino acid interaction. Schultz SG, et al. J Gen Physiol 56:621-39, Nov 70
The kinetics of sodium extrusion in striated muscle as functions of the external sodium and potassium ion concentrations. Sjodin RA. J Gen Physiol 57:164-87, Feb 71
Rabbit platelet injury by soluble antigen and antibody. 3. Effects of the sodium and magnesium salts of EDTA and EGTA. Marney SR Jr, et al. J Immunol 106:1447-52, Jun 71
Selective dissociation of free ribosomes of Escherichia coli by sodium ions. Beller RJ, et al. J Mol Biol 55:477-85, 14 Feb 71
Influences of monovalent cations on growth and lactic acid metabolism of sheep fed purified diets. Lee D Jr, et al. J Nutr 101:967-74, Aug 71
The effect of ions on the photoresponses of pigeon cones. Arden GB, et al. J Physiol (Lond) 211:311-39, Dec 70
Rubidium, sodium and ouabain interactions on the influx of rubidium in rat red blood cells. Beaugé LA, et al. J Physiol (Lond) 210:519-32, Oct 70
The effects of high concentrations of an electrolyte on the swelling of non-metabolizing tissue slices. Davey KJ, et al. J Physiol (Lond) 212:641-53, Feb 71
Electrical activity in pancreatic islet cells: effect of ions. Dean PM, et al. J Physiol (Lond) 210:265-75, Sep 70
Mechanism of action of pyrogen. Feldberg W, et al. J Physiol (Lond) 211:245-61, Nov 70
The effects of ions on the transuterine endometrial potential difference. Kyriakides C, et al. J Physiol (Lond) 212:41P-42P, Jan 71
The role of sodium and calcium ions in the hypothalamus in the control of body temperature of the unanaesthetized cat. Myers RD, et al. J Physiol (Lond) 212:411-30, Jan 71
The relation between L-methionine uptake and sodium in rat small intestine in vitro. Newey H, et al. J Physiol (Lond) 211:539-49, Dec 70
The dependence of the transmembrane salivary secretory potential on the external potassium and sodium concentration. Petersen OH. J Physiol (Lond) 210:295-15, Sep 70
The effect of sodium and potassium ions on the contractility of a contractile protein extracted from arterial wall. Shibata N, et al. Jap Circ J 35:533-9, May 71
Effect of sodium nitrite on monoamine oxidase activity in rat liver and brain. Egashira T, et al. Jap J Pharmacol 21:274-6, Apr 71
Effects of sodium and potassium ions on the ATPase activity of rat kidney mitochondria. Gemba M, et al. Jap J Pharmacol 21:263-70, Apr 71
Effect of lighium substitution for sodium on oxygen consumption of guinea pig taenia coli in high K medium. Saito Y, et al. Jap J Pharmacol 20:453-5, Sep 70
Role of sodium ions in phenol red transport by renal tubules of the goldfish. Hoshi T, et al. Jap J Physiol 20:683-96, 15 Dec 70
Further evidence for angiotensin-sodium interaction in central control of fluid balance. Andersson B, et al. Life Sci [I] 9:1091-6, 1 Oct 70
Reinforcement by Na+ of centrally mediated hypertensive response to angiotensin II. Andersson B, et al. Life Sci [I] 10:633-8, 1 Jun 71
Effects of cations on D-glucose dissociation from tris-disrupted brush borders prepared from hamster jejunum. Faust RG, et al. Life Sci [I] 9:1227-31, 1 Nov 70
The Na plus-dependence of thiamin intestinal transport in vitro. Ferrari G, et al. Life Sci [I] 10:67-75, 15 Jan 71
Strophan thin sensitivity of frog sartorius muscles in sodium- and potassium-free solutions. Henderson EG. Life Sci [I] 16:767-79, 1 Jul 71
Increase of (Na+ plus K+)-dependent ATPase activity in gills and kidneys of two euryhaline marine teleosts, Crenimugil labrosus (Risso, 1826) and Dicentrarchus labrax (Linnaeus, 1758), during adaptation to fresh water. Lasserre P. Life Sci [II] 10:113-9, 22 Jan 71
Dissociation of lipid components and reconstitution at --75 degrees C of Mg2+ dependent, Na+ and K+ stimulated, adenosine triphosphatase in rat brain. Noguchi T, et al. Nature [New Biol] 230:148-50, 31 Mar 71
Daily rhythmic changes in sodium-potassium activated adenosine-triphosphatase activities in rat liver and kidney. Sodium-potassium activated adenosine-triphosphatase, XXIX. Bakkeren JA, et al. Pflugers Arch 325:77-84, 1971
Competitive inhibition of phlorizin binding by D-glucose and the influence of sodium: a study on isolated brush border membrane of rat kidney. Frasch W, et al. Pflugers Arch 320:265-84, 1970
Fractionation of rat liver chromatins: effects of cations, hepatectomy and actinomycin D. Dolbeare F, et al. Proc Soc Exp Biol Med 135:636-41, Dec 70
The effect of sodium and calcium on renin release in vitro. Michelakis AM. Proc Soc Exp Biol Med 137:833-6, Jul 71
Evidence for hormonal mediation of the renal response to low-sodium stimulation of the brain. Mouw DR, et al. Proc Soc Exp Biol Med 137:179-82, May 71
Influence of dietary sodium and desoxycorticosterone on the histochemistry of the juxtaglomerular apparatus, the adrenal cortex and the salivary glands in the hamster. Cantin M, et al. Rev Can Biol 30:11-26, Mar 71
The effect of absence of sodium on the respiratory

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

metabolism of rat liver. Jordana R, et al.
Rev Esp Fisiol 26:175-6, Jun 70

Effect of intestine irradiation in the absence of sodium on the oxygen uptake. Jordana R, et al.
Rev Esp Fisiol 26:167-70, Jun 70

Effect of low sodium diet on the intestinal absorption of calcium in rats. Cuisinier-Gleizes P, et al.
Rev Eur Etud Clin Biol 16:272-7, Mar 71

The role of buffering, osmolality and sodium in neonatal hemorrhagic shock. Rowe MI, et al.
Surg Forum 21:34-5, 1970

Effect of sodium sulfite on methane and propionate in the rumen. Van Nevel CJ, et al.
Z Tierphysiol 26:91-100, Mar 70

[Cytological and cytochemical study of the granules and lipids in the cells of Aspergillus oryzae affected by metabolic poisons] Grigorov I, et al.
Izv Mikrobiol Inst (Sofiia) 20:73-81, 1969 (Bul)

[Effect rendered by several inhibitors on respiration processes of Aspergillus oryzae] Grigorov I, et al.
Izv Mikrobiol Inst (Sofiia) 20:61-5, 1969 (Bul)

[Active transport and bile secretion: a study on (Na+ and K+)-activated adenosine triphosphatase and cation transport in the liver] Bakkeren JA.
Ned Tijdschr Geneeskd 115:133-7, 16 Jan 71 (Dut)

[Electrophysiological study of the excitable cell bodies of the 6th abdominal ganglion of Periplaneta americana. Electric and ionic aspects] Jego P, et al.
C R Soc Biol (Paris) 164:893-900, 1970 (Fre)

[Action of K+, Na+, Cl- ions on membrane potentials of the isolated, perfused rat liver] Claret M.
J Physiol (Paris) 1:Suppl 1:106-7, 1969 (Fre)

[Action of K+, Na+ and C plus plus-Mg plus plus ions on the cardiac action potential of the monkey (cercopithecidae family)] Walden M, et al.
J Physiol (Paris) 1:Suppl 1:187, 1969 (Fre)

[Effects of sodium and calcium on the conversion of fibrinogen to fibrin] Marguerie G, et al.
Thromb Diath Haemorrh 24:373-84, 31 Dec 70 (Fre)

[Effect of sodium ions on local stimulation of the motor neuron] Haubenreiser J.
Acta Biol Med Ger 24:615-22, 1970 (Ger)

[Characterization of ouabain-binding conformation condition of (Na++ K+)-activated ATP-ase] Schön R, et al. Acta Biol Med Ger 24:K61-5, 1970 (Ger)

[The importance of sodium for the vessel contraction, Control of Friedman's studies] Distler A.
Verh Dtsch Ges Kreislaufforsch 32:304-8, 1966 (Ger)

[Clinical and test psychological studies with a geriatric agent] Czerwenka H, et al.
Wien Med Wochenschr 120:217-24, 28 Mar 70 (Ger)

[Effect of lower fluorine concentrations on 35-sulfur distribution in hard and soft tissues in rats] Arendt-Peter S. Z Biol 116:391-3, Jun 70 (Ger)

[Effect of sodium fluoride on 35-sulfur distribution in soft and hard tissues in rats] Arendt-Peter S. Z Biol 116:385-90, Jun 70 (Ger)

[Mode of action of ionic surface-active compounds in bacteria. II. Electron microscopic investigations on the influence of sodium lauryl sulfate (NaLS) on Mycobacterium smegmatis] Wahn K, et al.
Zentralbl Bakteriol [Orig] 216:370-97, 1971 (Ger)

[Intestinal transport in vitro of thiamine: influence of Na+] Ferrari G, et al.
Boll Soc Ital Biol Sper 45:1546-9, 15 Dec 69 (Ita)

[Effect of sodium salts of levorin and nystatin on some liver functions in experiment] Iarobkova ND.
Antibiotiki 15:912-6, Oct 70 (Rus)

[Effect of nystatin and levorin on the biosynthesis of sterols and fatty acids in cell-free extracts of Saccharomyces cerevisiae] Klimov AN, et al.
Antibiotiki 16:279-82, Mar 71 (Rus)

[Transfer of resistance toward antibiotics by the method of conjugation. Effect of some enzymatic poisons on the transfer of the R factor] Sherishorina SI, et al. Antibiotiki 15:999-1001, Nov 70 (Rus)

[Effect of K, Na and Cl ions on the membrane potential of R. temporaria oocytes] Afvar Iup.
Biofizika 14:362-4, Mar-Apr 69 (Rus)

[Role of sodium ions in regulating myocardial contractility] Orlov RS, et al.
Biull Eksp Biol Med 70:3-6, Jul 70 (Rus)

[Effect of energy exchange inhibitors on the suppression of the automatism of cardiac ventricle pacemakers by high frequency stimulation] Babskii EB, et al. Dokl Akad Nauk SSSR 195:1233-6, 1970 (Rus)

[Conformational changes associated with Na plus-K plus-ATPase activity] Lishko VK, et al.
Dokl Akad Nauk SSSR 187:1191-3, 11 Aug 69 (Rus)

[Effect of inhibitors of energy metabolism on the synthesis and decay of RNA in animal cells] Volkova LM, et al.
Dokl Akad Nauk SSSR 186:225-7, May-Jun 69 (Rus)

[Neurotropic properties of fluphenazine] Liubimov BI, et al. Farmakol Toksikol 34:287-90, May-Jun 71 (Rus)

[Comparative effect of sodium thiopental, epontol and armin on the delta-rhythms in intact and neuron-isolated cerebral hemispheres] Nikiforov MI, et al. Farmakol Toksikol 34:14-8, 1971 (Rus)

[Selective depression of the growth of microorganisms from the series of Enterobacteriaceae in the presence of sodium nitrite] Andreeva ZM, et al.
Lab Delo 11:653-5, 1970 (Rus)

[Relation of the intracellular concentration of bound calcium in giant neurons of the snail Helix pomatia on extracellular concentration of calcium, magnesium and sodium ions] Kviklite AV, et al.
Tsitologiia 11:360-5, 1969 (Rus)

[Effect of vitamin A deficiency and of potassium and sodium ions on protein biosynthesis in rat liver mitochondria] Leutskif KM, et al.
Vopr Pitan 29:16-9, Nov-Dec 70 (Rus)

[On the sodium-calcium competitive mechanism affecting myocardial contractility] Mattiazzi AR, et al.
Acta Physiol Lat Am 20:278-80, 1970 (Spa)

[Level of nucleic acids in rats under the effect of x-rays and sodium gallate] Baraboĭ VA, et al.
Fiziol Zh 16:385-92, May-Jun 70 (Ukr)

[Age, alginates and metabolism of calcium and strontium] Gruden N, et al.
Arh Hig Rada Toksikol 21:27-33, 1970 (Cro)

PHYSIOLOGY

Ca and Na interaction in vascular smooth muscle contraction. Sitrin MD, et al.
Am J Physiol 220:1124-8, Apr 71

The coupling of magnesium secretion and sodium reabsorption in the kidney of teleost. Natochin YV, et al. Comp Biochem Physiol 37:107-11, 1 Nov 70

Ionic mechanisms of opposite synaptic actions of an interneuron in the abdominal ganglion. Blankenship JE. Experientia 26:1097-9, 15 Oct 70

The importance of extracellular sodium and potassium for acetylcholine-evoked salivary secretion. Petersen OH. Experientia 26:1103-4, 15 Oct 70

Effects of induced sodium gradients on the transport of metaraminol. Paton DM.
J Pharm Pharmacol 22:829-31, Aug 70

Effects of procaine on ionic conductances of end-plate membranes. Deguchi T, et al.
J Pharmacol Exp Ther 176:423-33, Feb 71

The importance of sodium and potassium ions for the active transport of glucose from the lumen of isolated loops of hamster small intestine in vitro. Burdett K, et al. J Physiol (Lond) 215:30P-31P, May 71

Sodium appetite and the renin-angiotensin system. Fitzsimons JT, et al.
Nature [New Biol] 231:58-60, 12 May 71

Sodium dependence of the inotropic effect of a reduction in extracellular potassium concentration. Reiter M, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:361-78, 1971

Energy source for transepithelial sodium transport in rat renal proximal tubules. Győry AZ, et al.
Pfluegers Arch 327:234-60, 1971

Kinetics of Na inactivation in frog atria. Haas HG, et al.
Pfluegers Arch 323:141-57, 1971

The cochlear potentials. II. The nature of the cochlear endolymphatic resting potential. Kuijpers W, et al.
Pfluegers Arch 320:359-72, 1970

Micropuncture investigation of the effect of altered thyroid function on the cation concentrations and equilibrium potentials in rat thyroid colloid. Young JA, et al. Pfluegers Arch 321:187-96, 1970

Sodium depletion proteinuria: experimental and electronmicroscopic studies. Zarnow H, et al.
Proc Soc Exp Biol Med 135:275-84, Nov 70

Maintenance of resting potential in anoxic guinea pig ventricular muscle: electrogenic sodium pumping. McDonald TF, et al. Science 172:570-2, 7 May 71

[Ion movements and mechanism of action in pharmacology] Valette G, et al.
Actual Pharmacol (Paris) 22:85-139, 1969 (415 ref.) (Fre)

[Analysis of electric responses of smooth muscular fiber of rat uterus: demonstration of a slow calcium-sodium current] Mironneau J, et al.
C R Acad Sci [D] (Paris) 272:436-9, 18 Jan 71 (Fre)

[Interaction between calcium and sodium ions in slow entering current and contraction of frog cardiac atrial fibers] Rougier O, et al.
J Physiol (Paris) 63:92A, Mar-Apr 71 (Fre)

[Sodium-hypertension and diuretics] Naess K.
Tidsskr Nor Laegeforen 91:34, 10 Jan 71 (Nor)

[The effect of sodium and chlorine ions on the properties of portal vein muscle cells] Taranenko VM, et al. Fiziol Zh SSSR 56:1149-56, Aug 70 (Rus)

[Interaction of Na and K ions in the course of ATP hydrolysis by membrane ATP-ase] Lev AA, et al.
Tsitologiia 12:879-86, Jul 70 (Rus)

POISONING

[Experimental study on the effect of sodium iodo-acetate on electroretinograms and electrooculograms of rabbits] François J, et al.
Ann Ocul (Paris) 202:637-42, Jun 69 (Fre)

[Respiratory function test in workers employed in electrolytic production of chlorine and sodium] Capodaglio E, et al. Med Lav 60:192-202, Mar 69 (Ita)

RADIATION EFFECTS

[Influence of radiation-induced electrolyte shifts on the metabolism. 3. Importance of ion-environment on the impression of the radiation damages in yeasts] Rink H. Strahlentherapie 140:594-9, Nov 70 (Ger)

[Gamma-sterilization of polyenic antibiotics] Tsyganov VA, et al. Antibiotiki 16:47-9, Jan 71 (Rus)

SECRETION

Salivary Na, K and Cl secretion rates: relationship to a fluid generation mechanism. Suddick RP, et al.
Jap J Physiol 20:540-9, 15 Oct 70

Sensitivity of Na efflux from single barnacle muscle fibers to external H+ ions. Bittar EE, et al.
Life Sci [I] 10:43-8, 1 Jan 71

The effect of diphenylhydantoin on sodium efflux from single barnacle muscle fibers. Danielson BG, et al.
Life Sci [I] 10:437-43, 15 Apr 71

Dose-response studies of gastric secretion of sodium, potassium, calcium, inorganic phosphorus, and magnesium after stimulation with pentagastrin. Christiansen J, et al.
Scand J Gastroenterol 5:809-12, 1970

[The effect of vasopressin and pituitrin on the parotid and submaxillary glands] Iaremenko MS.
Biull Eksp Biol Med 68:73-5, Aug 69 (Rus)

THERAPEUTIC USE

Chemotherapy in nephrolithiasis. Timmermann A, et al. Isr J Med Sci 7:689-95, May 71

[The place of balanced sodium solutions in the treatment of hemorrhage] Voure'h G, et al.
Anesth Analg (Paris) 27:737-57, Sep-Oct 70 (Fre)

[Clinical study of sodium fusidate in surgical staphylococcal infections] Philippe M, et al.
Lyon Med 222:461-5, 5 Oct 69 (Fre)

[Clinical symptoms and therapy in quinine intoxication] Reimold WV, et al.
Aerztl Forsch 24:282-71, 10 Sep 70 (Ger)

[Comparative studies on the effect of sodium lactate, sodium acetate and sodium malate in metabolic acidosis] Brückner JB.
Anaesthesist 19:219-23, Jun 70 (Ger)

[The pressure-lowering action of glycerin ascorbate-Na] Tams G.
Klin Monatsbl Augenheilkd 158:863-7, May 71 (Ger)

[Treatment of uremic acidoses. Clinical experiences with the drug acetoiyt (U-124SV)] Giet F.
Munch Med Wochenschr 113:861-6, 28 May 71 (Ger)

[Electrolyte infusion as therapy in quinine poisoning] Martin W.
Munch Med Wochenschr 112:286-91, 13 Feb 70 (Ger)

[Clinical therapeutic experiences in chronic kidney failure with metabolic acidosis and phosphate retention] Kotzaurek R, et al.
Wien Med Wochenschr 121:246-9, 27 Mar 71 (Ger)

[Intracellular repercussions of alkaline therapy in chronic uremic patients] Acquarone N, et al.
Minerva Nefrol 18:102-9, Mar-Apr 71 (Ita)

[On medical treatment of uratic lithiasis] Consoli C, et al. Minerva Urol 21:193-202, Nov-Dec 69 (Ita)

[On the elimination of intestinal gases in patients undergoing urography. Our experience with sodium picosulphate] Cattani E, et al.
Quad Radiol 34:171-82, Mar-Apr 69 (Ita)

[Alkaline therapy in the asphyctic syndrome of the newborn] Dettori M, et al.
Riv Clin Pediatr 81:1285-91, Nov-Dec 68 (Ita)

[Chemotherapeutic effect of the cholesterin-levorin complex] Klimov AN, et al.
Antibiotiki 16:120-2, Feb 71 (Rus)

[Experimental therapy of acute poisonings with propylene oxide] Beliaev VA, et al.
Farmakol Toksikol 34:362-6, May-Jun 71 (Rus)

[Treatment of idiopathic hypercalciuria with sodium phosphate cellulose] Rapado A, et al.
Rev Clin Esp 119:61-6, 15 Oct 70 (Spa)

[Study of zinc in urine at the use of CaNa2 EDTA in workers exposed to lead] Durić D, et al.
Arh Hig Rada Toksikol 20:687-91, 1969 (Cro)

[Personal experiences in the treatment of lead poisoning with chelating agents] Prpić-Majić D, et al.
Arh Hig Rada Toksikol 20:665-77, 1969 (Cro)

TOXICITY

[Pharmacology of fucidin] Bykova MA, et al.
Antibiotiki 16:216-7, Mar 71 (Rus)

[Histomorphologic changes in the osseous tissue in chronic sodium fluoride poisoning] Aristenko VG.
Farmakol Toksikol 34:237-9, 1971 (Rus)

[Comparative toxicity of lithium salts] Samoilov NN.
Farmakol Toksikol 33:616-9, Sep-Oct 70 (Rus)

[Spectrophotographic and morphologic study of the toxic effect of "chromium alkalies" on the parenchymatous organs in rabbits] Shabanova OM, et al. Farmakol Toksikol 34:240-4, 1971 (Rus)

URINE

The effect of gynaecologic operations on electrolyte metabolism. I. Effect of abdominal hysterectomy on electrolyte metabolism. Dalos G.
Acta Chir Acad Sci Hung 11:133-41, 1970

The effect of gynaecologic operations on electrolyte

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

metabolism. II. Effect of adnexal surgery on electrolyte metabolism. Dalos G.
Acta Chir Acad Sci Hung 11:143-7, 1970
The effects of oxprenolol (Trasicor, Ciba 39089-Ba) on patterns of urinary sodium excretion in man. Singh BN, et al. Am J Cardiol 27:372-5, Apr 71
Sodium space and electrolyte excretion during the menstrual cycle. Michelakis AM, et al.
Am J Obstet Gynecol 109:150-4, 1 Jan 71
Circadian excretory rhythms in night workers. Conroy RT, et al. Br J Ind Med 27:356-63, Oct 70
Sodium excretion following cadaveric kidney transplantation. Finnegan P, et al.
Br J Surg 58:300, Apr 71
Urinary sodium and potassium excretion in fasting obese subjects. Runcie J. Br Med J 2:22-5, 3 Apr 71
The influence of angiotensin infusion on the urine composition in individual kidney function tests. Koch B, et al. Can Med Assoc J 104:905-7, 22 May 71
The interrelationship between ECF volume and ECF anion composition in the regulation of sodium excretion. Cohen JJ, et al. Clin Sci 39:475-87, Oct 70
The relation between the urinary excretion of inorganic phosphate and sodium. Fulop M, et al.
Clin Sci 41:249-56, Sep 71
The effects of prolonged administration of vasopressin and oxytocin on renin, aldosterone and sodium balance in normal man. Goodwin FJ, et al.
Clin Sci 39:641-51, Nov 70
Thymus gland and heparin influences on renal electrolyte excretion in male hooded rats. Martin CR.
Gen Comp Endocrinol 15:339-51, Oct 70
Parameters of renal functional capacity in reversible hydroureteronephrosis in dogs. V. Effects of 7 to 10 days of ureteral constriction on RBF-Kr,C-In, Tc-H2O, C-PAH, osmolality, and sodium reabsorption. Finkle AL, et al. Invest Urol 8:299-310, Nov 70
The influence of lesions in the posteroventral grey matter of the mid-brains of rats on salt excretion. Gwynne HL, et al. J Endocrinol 50:123-33, May 71
Sodium excretion during pregnancy and pseudopregnancy in the rabbit. Lloyd IJ, et al.
J Endocrinol 50:531-2, Jul 71
The effect of synthetic porcine alpha-calcitonin on the renal elimination of magnesium, sodium and inorganic phosphate in normal and parathyroidectomized rats. Nielsen SP, et al. J Endocrinol 48:vii, Sep 70
Influence of variations in hydration and in solute excretion of the effects of lysine-vasopressin infusion on urinary and renal tissue composition in the conscious rat. Atherton JC, et al.
J Physiol (Lond) 213:311-27, Mar 71
Influence of lysine-vasopressin dosage on the time course of changes in renal tissue and urinary composition in the conscious rat. Atherton JC, et al.
J Physiol (Lond) 213:291-309, Mar 71
Acidosis and hypercalciuria: renal mechanisms affecting calcium, magnesium and sodium excretion in the sheep. Stacy BD, et al.
J Physiol (Lond) 210:549-64, Oct 70
Constant infusion of hypertonic saline in the dog. V. The relative importance of plasma Na concentration and GFR as the determinants of renal Na excretion. Nagasaka M, et al. Jap Heart J 11:541-9, Nov 70
Constant infusion of hypertonic saline in the dog. IV. Effect of acute constriction on sodium excretion. Nakamura K, et al. Jap Heart J 11:533-40, Nov 70
Diurnal rhythms in urinary electrolyte excretions by the rat: influence of feeding habits. Cohn C, et al.
Life Sci [I] 9:803-9, 15 Jul 70
Urinary effects of calcitonin. Ardaillou R.
N Engl J Med 283:1171, 19 Nov 70
Augmentation of sodium and potassium excretion, glomerular filtration rate and renal plasma flow by levodopa. Finlay GD, et al.
N Engl J Med 284:865-70, 22 Apr 71
Hemodynamic influences on sodium and water excretion in simulated hepatorenal syndrome. Gump FE, et al. Surg Forum 21:101-4, 1970
Demonstration of a low-molecular-weight natriuretic factor in uremic serum. Bourgoignie JJ, et al.
Trans Assoc Am Physicians 83:277-87, 1970
Individual sodium and potassium excretion patterns in rodents during certain life situations. De Kock LL, et al. Z Tierpsychol 26:811-24, Nov 69
[Influence of increased salt intake on the excretion of osmotically active substances and water by kidney. Comparison with the limited effect of dietary sodium] Stříbrná J, et al. Vnitr Lek 17:135-46, Feb 71 (Cze)
[Changes in urinary sodium-potassium ratio after abdominal surgery] Motin J, et al.
Lyon Med 225:309-12, 28 Feb 71 (Fre)
[Aldosterone and sodium excretion in pregnancy] Klink R, et al.
Acta Endocrinol [Suppl] (Kbh) 152:40, 1971 (Ger)
[Effect of 1-(4-oxyphenyl)-2n-butylamino-ethanone hydrochloride (BON) on water and sodium excretion as well as on the para-aminohippuric acid (PAH) and creatinine clearance in hemorrhagic hypotension] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1663+, Nov 70 (Ger)
[Metabolism and toxicity of therapeutic chelating agents. 8. Excretion of sodium, potassium, magnesium and zinc] Dvořák P.
Strahlentherapie 139:611-8, May 70 (Ger)
[The determination of sodium, potassium and calcium in the urine using a filter-flame photometer] Pirke KM, et al.
Z Klin Chem Klin Biochem 8:241-8, May 70 (Ger)
[Action of parathormone on the urinary excretion of mono- and bivalent cations in man] Giordano G, et al.
Arch E Maragliano Patol Clin 25:467-88, Nov-Dec 69 (128 ref.) (Ita)
[Efficacy of a synthetic ACTH preparation as evaluated by the Weissbecker test] Montaguti A, et al.
Minerva Pediatr 21:2065-6, 3 Nov 69 (Ita)
[Sodium retaining activity of liver extract] Matsui H.
J Jap Soc Intern Med 59:1318-26, Dec 70 (Jap)
[The mechanism of sodium diuresis: the controversy concerning the hormone stimulating sodium excretion] Sadowski J.
Acta Physiol Pol Suppl:131-46, 1970 (Pol)
[Sodium and potassium blood levels and their urinary excretion in children with pyelonephritis] Maciejewski J, et al.
Pediatr Pol 45:1463-7, Dec 70 (Pol)
[Effect of calcitonin on urinary electrolyte excretion] Ardaillou R. Pol Arch Med Wewn 46:704-5, Jun 71 (Pol)
[Intravenous loading with 0.9 percent solution of sodium chloride performed in patients with cancer of the stomach. Its effect on sodium and chlorine as well as urine excretion] Oszacki J, et al.
Pol Przegl Chir 42:1660-6, Nov 70 (Pol)
[Changes in the content of potassium and sodium in blood and urine after massive blood loss occurring as a result of obstetric-gynecological pathology] Kolganova NS.
Akush Ginekol (Mosk) 46:44-7, Aug 70 (Rus)
[Effect of dipin and degranol on the kidney function and water-electrolyte composition of the tumor and blood in rats with sarcoma 45] Pashinskiĭ VG.
Farmakol Toksikol 34:320-3, May-Jun 71 (Rus)
[Effect of hypertension on the renin-aldosterone system, renal circulation, glomerular filtration and electrolyte excretion in patients with chronic circulatory insufficiency] Kukes VG, et al.
Kardiologiia 10:113-20, 1970 (Rus)
[Effect of hyperglycemia on the natriuretic function of kidneys in people with different state of the body] Bachinskiĭ PP. Fiziol Zh 16:34-41, Jan-Feb 70 (Ukr)
[Excretion of aldosterone and electrolytes with urine in healthy people depending on age and sex] Kogan IA, et al. Fiziol Zh 16:547-8, Jul-Aug 70 (Ukr)

SODIUM CEPHALOTHIN see under CEPHALOTHIN (D3)

SODIUM CHLORIDE (D1)

see also related
DIET, SALT-FREE (E2)

Dietary salt intake in hypertensive patients with normal and low plasma renin activity. Adlin EV, et al.
Am J Med Sci 261:67-71, Feb 71
Saline versus glucose as a hypertonic solution for abortion. Droegemueller W, et al.
Am J Obstet Gynecol 108:606-9, 15 Oct 70
Role of LiCl and environmental stimuli on generalized learned aversion to NaCl in the rat. Balagura S, et al.
Am J Physiol 219:1231-4, Nov 70
Electrical stimulation of septum, hypothalamus, and amygdala and saline preference. Gentil CG, et al.
Am J Physiol 220:1172-7, May 71
The fine structure of the mouse adrenal cortex and the ultrastructural changes in the zona glomerulosa with low and high sodium diets. Shelton JH, et al.
Anat Rec 170:147-81, Jun 71
Chromatography of a halophilic enzyme on hydroxylapatite in 3.4 M sodium chloride. Norberg P, et al. Biochim Biophys Acta 220:132-3, 14 Oct 70
Protective actions of Na+ and K+ from heat inactivation of L-asparaginase activity in certain samples of guinea pig serum. Ryoyama C.
Biochim Biophys Acta 236:8-16, 27 Apr 71
Larval development of Pagurus longicarpus say reared in the laboratory. II. Effects of reduced salinity on larval development. Roberts MH Jr.
Biol Bull 140:104-16, Feb 71
Salt intake in Ceylon. Mahadeva K, et al.
Br J Nutr 24:811-4, Sep 70
Natural salt licks as a part of the ecology of the mountain goat. Hebert D, et al.
Can J Zool 49:605-10, May 71
Salt-fluoridation and urinary fluoride excretion. Wespi HJ, et al. Caries Res 5:89-95, 1971
The influence of sodium chloride on the gel filtration of oestrogens on Sephadex. Tilburg AM van, et al.
Clin Chim Acta 29:5-14, Jul 70
Salt, vascular reactivity and hypertension. Beilin LJ, et al. Clin Sci 39:15P, Dec 70
Effects of sodium chloride concentration on solubility and electrophoretic characteristics of protein from the eye lens nucleus in a yellowfin tuna (Thunnus albacares) and in a desert wood rat (Neotoma lepida). Smith AC. Comp Biochem Physiol 27:543-9, Nov 68
The effects of pregnancy and lactation on the mineral appetites of wild rabbits (Oryctolagus Cuniculus (L.)). Denton DA, et al. Endocrinology 88:31-40, Jan 71
Adrenal steroidogenesis in rats bred for susceptibility and resistance to the hypertensive effect of salt. Rapp JP, et al. Endocrinology 88:52-65, Jan 71
The partial dissociation of nucleohistone by salts. Hydrodynamic and denaturation studies. Henson P, et al. Eur J Biochem 14:345-50, Jun 70
Influence of salinity and temperature on the accumulation of cesium-137 by an estuarine clam under laboratory conditions. Wolfe DA, et al.
Health Phys 18:499-505, May 70
Bilateral lung lavage with hyperbarically oxygenated saline in dogs. Blenkarn GD, et al.
J Appl Physiol 29:786-93, Dec 70
pH determination in body fluids using a cell with an isotonic sodium chloride bridge. Maas AH.
J Appl Physiol 30:248-50, Feb 71
A study of free energy relationships in some amino acid-sodium chloride-water systems. Schrier EE, et al.
J Biol Chem 246:2870-4, 10 May 71
Interaction of LiCl aversion and sodium-specific hunger in the adrenalectomized rat. Frumkin K.
J Comp Physiol Psychol 75:32-40, Apr 71
The effect of intravenous aldosterone on arterial pressure in the rabbit and its modification by variations in diet. Burstyn PG, et al.
J Endocrinol 50:653-7, Aug 71
Inadequate intakes of NACL by adrenalectomized rats given a 20 per cent dextri-maltose solution opposite a 1.5 per cent NACL solution. Harriman AE.
J Gen Psychol 85:115-21, Jul 71
Increased sodium chloride appetite during pregnancy in the rat. Pike RL, et al. J Nutr 101:169-75, Feb 71
Some observations on the ageing of sodium chloride compacts. Rees JE, et al.
J Pharm Pharmacol Suppl:17S+, Dec 70
The kinetics of dissolution for a non-disintegrating standard substrate. Withey RJ.
J Pharm Pharmacol 23:573-82, Aug 71
Intestinal transport of sodium by goldfish adapted to a saline environment. Ellory JC, et al.
J Physiol (Lond) 216:46P-47P, Jul 71
Cardiovascular responses to salt-loading in conscious domestic geese. Hanwell A, et al.
J Physiol (Lond) 213:389-98, Mar 71
Control of water content of non-metabolizing kidney slices by sodium chloride and polyethylene glycol (PEG 6000). Robinson JR.
J Physiol (Lond) 213:227-34, Feb 71
Chronic salt excess and hypertension. A cultural epidemic. McAllister RG Jr.
J Tenn Med Assoc 64:581-3, Jul 71
Electrostatic potential between surfaces bearing ionizable groups in ionic equilibrium with physiologic saline solution. Ninham BW, et al.
J Theor Biol 31:405-28, Jun 71
A medicated salt project in the Kazeroun area, Iran--1963-1967. Motabar M, et al.
J Trop Med Hyg 74:39-44, Feb 71
Sympathetic nerve function and DOCA-NaCl induced hypertension. Clarke DE, et al.
Life Sci [I] 9:1097-106, 1 Oct 70
Freshwater stingrays, Potamotrygon spp.: failure to concentrate urea when exposed to saline medium. Thorson TB. Life Sci [II] 9:893-900, 8 Aug 70
An iterative method for calculating the effects on blood pO2 of dilution with heparin-saline solutions. Dell'Osso LF. Med Biol Eng 8:595-7, Nov 70
Outpatient saline abortion. Schulman H, et al.
Obstet Gynecol 37:521-6, Apr 71
Aldosterone secretion rates in children with normal adrenal function. Bryan GT.
Pediatrics 47:587-93, Mar 71
Sodium and potassium balance during the administration of desoxycorticosterone in dogs with differing dietary sodium intakes. Illinghaus K.
Pfluegers Arch 322:347-54, 1971
Enhanced salt toxicity in the spontaneously hypertensive rat. Barsanti JA, et al.
Proc Soc Exp Biol Med 136:565-8, Feb 71
Enhancement of Sindbis virus infectivity by reduced salt concentration. Mooiten FL, et al.
Proc Soc Exp Biol Med 136:335-40, Feb 71
Pituitary-adrenal axis and salt appetite. Denton DA, et al. Progr Brain Res 32:131-40, 1970
Taste stimuli: quality coding time. Halpern BP, et al.
Science 171:1256-8, 26 Mar 71
[Electrolyte changes following a long-term parenteral administration of NaCl to rabbits. Pathogenesis of salt hypertension] Kadlec O, et al.
Bratisl Lek Listy 55:654-69, Jun 71 (Cze)
[Halophilism and psychrophilism in 200 strains of yeasts] Boilleau Y, et al.
C R Soc Biol (Paris) 164:378-81, 25 Sep 70 (Fre)
[High-sodium diet modifies neither blood potassium nor the response to administration of corticostimulin in the anesthetized rat] Manley J, et al.
C R Soc Biol (Paris) 164:397-400, 25 Sep 70 (Fre)
[The crystallographic basis of the so-called cervical mucus fern pattern] Beck KJ, et al.
Arch Gynaekol 210:78-96, 27 Apr 71 (Ger)
[Green discoloration of the musculature of herring

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

salted at sea] Priebe K.
Berl Munch Tieraerztl Wochenschr 83:68-9, 15 Feb 70 (Ger)
[Results of salt fluoridation in Hungary] Tóth K.
Dtsch Stomatol 21:117-22, Feb 71 (Ger)
[Histologic changes in the liver of albino rats treated with hormones and hormone synthesis-blocking agents] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 115:141-62, 1970 (Ger)
[Cation permeability of the erythrocytes, vascular reagibility and hypertension susceptibility] Hantschmann L. Hippokrates 42:122-3, Mar 71 (Ger)
[Table salt supplement during pregnancy and pregnancy toxemias] Heller L.
Med Klin 63:1496-9, 20 Sep 68 (Ger)
[Fluoridation of kitchen salt] Braun F.
Oeff Gesundheitswes 33:182-3, Mar 71 (Ger)
[Salt deficiency disease in the dairy cow] Schneider E.
Schweiz Arch Tierheilkd 112:1-17, Jan 70 (Ger)
[Ultrastructure of the myocardium in experimental cardiac insufficiency produced by hypertonic salt infusions] Knieriem HJ, et al.
Z Kreislaufforsch 59:972-88, Nov 70 (Ger)
[Prevention of dental caries by adding fluorides to table salt in the city of Deszk. I. Methods] Tóth K, et al. Fogorv Sz 64:97-105, Apr 71 (Hun)
[Prevention of caries by fluoridation of table salt in the city of Deszk. II. Caries incidence in the population of Deszk before the preventive measures] Tóth K, et al.
Fogorv Sz 64:132-9, May 71 (Hun)
[Biochemical study of the permeability of the round window membrane to NaCl and KCl] Perin G, et al.
Boll Soc Ital Biol Sper 45:576-8, 15 May 69 (Ita)
[Use of hypothermic saline solution by subarachnoid administration in the treatment of intractable pain] Freitas PE de, et al.
Rev Bras Anestesiol 20:300-5, Jul-Sep 70 (Por)
[Changes of some biochemical indicators in experimental hypertension induced with a saline diet in rats] Manta I, et al.
Fiziol Norm Patol 16:427-38, Sep-Oct 70 (Rum)
[Activation of yeast glyceraldehyde-3-phosphate dehydrogenase by salts] Nagradova NK, et al.
Biokhimiia 35:366-73, Mar-Apr 70 (Rus)
[Somatic embryogenesis caused by some injurious factors in the planarian Dugesia tigrina (Girard)] Isaeva VV.
Vestn Leningr Univ [Biol] 4:33-41, Nov 69 (Rus)
[The effect of water-salt regimen on the growth of transplantable tumors and the activity of antineoplastic drugs] Pashinskiĭ VG.
Vopr Onkol 17:77-80, 1971 (Rus)
[Stability of iodine compounds in iodized salt] Panchenko LD. Vopr Pitan 29:93-4, Sep-Oct 70 (Rus)
[Isolation of strictly proteolytic halophilic bacteria from samples of common salt] Gonzalez C, et al.
Microbiol Esp 23:223-31, Oct-Dec 70 (Spa)
[Prevention of dental caries using fluorinated salt] Viñes JJ. Rev Clin Esp 120:319-34, 28 Feb 71 (Spa)

ADMINISTRATION & DOSAGE

Urinary estimation of optimal fluoride dosage with domestic salt. Ericsson Y.
Acta Odontol Scand 29:43-51, Apr 71
Saline abortion. Cronenwett LR, et al.
Am J Nurs 71:1754-7, Sep 71
Hydrophilic contact lenses in corneal disease. 3. Topical hypertonic saline therapy in bullous keratopathy. Takahashi GH, et al. Arch Ophthalmol 86:133-7, Aug 71
Latta--pioneer in saline infusion. (Latta TA), Masson AH. Br J Anaesth 43:681-6, Jul 71
Slow sodium: an oral slowly released sodium chloride preparation. Clarkson EM, et al.
Br Med J 3:604-7, 11 Sep 71
Oral (or nasogastric) maintenance therapy for cholera patients in all age-groups. Nalin DR, et al.
Bull WHO 43:361-3, 1970
The use of oral replacement solutions in the treatment of choleraand other severe diarrhoeal disorders. Sack RB, et al. Bull WHO 43:351-60, 1970
Intrathecal cold saline for the relief of intractable pain. Mathew GJ, et al.
Can Med Assoc J 103:1143-6, 21 Nov 70
Effect of oral potassium and sodium chloride on plasma composition of cattle: a grass tetany related study. Scotto KC, et al. J Anim Sci 32:354-8, Feb 71
The possible role of the thyroid in extrarenal secretion following a hypertonic saline load in the duck (Anas platyrhynchos). Ensor DM, et al.
J Endocrinol 46:x, Feb 70
Effects of chronic excess salt ingestion. Inheritance of hypertension in the rat. Knudsen KD, et al.
J Exp Med 132:976-1000, Nov 70
"Normal" 0.9 per cent salt solution is neither "normal" nor physiological. Wakim KG.
JAMA 214:1710, 30 Nov 70
Constant infusion of hypertonic saline in the dog. V. The relative importance of plasma Na concentration and GFR as the determinants of renal Na excretion. Nagasaka M, et al. Jap Heart J 11:541-9, Nov 70
Constant infusion of hypertonic saline in the dog. IV. Effect of acute constriction on sodium excretion. Nakamura K, et al. Jap Heart J 11:533-40, Nov 70
Different correlations between plasma protein concentration and proximal fractional reabsorption in the rat during acute and chronic saline infusion. Kuschinsky W, et al. Pflugers Arch 321:102-20, 1970
[Calcium and magnesium excretion following hypertonic saline administration in arterial hypertension] Heidland A, et al.
Verh Dtsch Ges Inn Med 75:176-9, 1969 (Ger)
[Accelerated natriuresis and diuresis in chronic hypertension following hypertonic saline load (micropunction tests)] Stumpe KO, et al.
Verh Dtsch Ges Inn Med 75:173-6, 1969 (Ger)
[Binocular perfusion at constant pressure for experimental research] Bucci MG, et al.
Boll Ocul 48:655-73, Sep 69 (Ita)
[Endoscopic bronchial lavage in mucoviscidosis: technic and results of 18 interventions] Battaglino G, et al. Fracastoro 63:508-20, May-Aug 70 (Ita)
[Water-electrolyte balance in the initial stage of burns in rabbits maintained on a varying water-salt regime] Kochetygov NI.
Biull Eksp Biol Med 70:23-6, Sep 70 (Rus)
[Use of electroaerosols for prevention and treatment of pneumoconiosis] Molokanov KP, et al.
Nov Med Priborostr 3:64-8, 1969 (Rus)
[Coagulationand anticoagulation system of blood in parturients and after delivery after administration of 0,85 percent of sodium chloride solution and 5 percent glucose] Liul'ka RP.
Pediatr Akush Ginekol 5:40-2, Sep-Oct 69 (Ukr)
[Morfological changes in the adrenal cortex following long-term parenteral administration of NaCl in rabbits] Grígel M, et al.
Bratisl Lek Listy 54:281-92, Sep 70 (Slo)

ADVERSE EFFECTS

Salt--a dangerous "antidote". DeGenaro F, et al.
J Pediatr 78:1048-9, Jun 71
Changes in maternal coagulation factors after intra-amniotic injection of hypertonic saline. Stander RW, et al. Obstet Gynecol 37:860-6, May 71

ANALYSIS

Comparison of respirator filter penetration by dioctyl phthalate and sodium chloride. Mitchell RN, et al.
Am Ind Hyg Assoc J 32:357-64, Jun 71
New method for measuring density of seawater. Kremling K. Nature (Lond) 229:109-10, 8 Jan 71
[Infusion solutions. I. Nomograms for calculation of the sodium chloride content according to the Czechoslovak pharmacopoeia 3d Ed. and standard No. 864420] Křepinský J. Cesk Farm 20:43-8, Mar 71 (Cze)
[Dependence of lipolytic activity of various types of bacteria on the sodium chloride content, sugar content and pH value of the nutritive substrate] Scheibner G.
Monatsh Vet Med 25:916-8, 1 Dec 70 (Ger)
[New method for analyzing the electrolyte content of human sweat secretion] De Vecchis A, et al.
Arch Patol Clin Med 44:456-64, 1967 (Ita)
[Method of determining the amount and salt composition of human sweat] Azhevskiĭ PIa, et al.
Gig Sanit 35:67-8, Mar 70 (Rus)

ANTAGONISTS & INHIBITORS

Inhibition by reserpine of histological changes induced by hypertonic saline in the hypothalamic neurosecretory system of the musk shrew, Suncus murinus L. Kulshreshtha A, et al.
J Endocrinol 50:707-8, Aug 71

DIAGNOSTIC USE

The diagnostic value of salt depletion and salt loading in screening for secondary hypertension. Finnerty FA Jr, et al. Am J Cardiol 27:710-1, Jun 71
Renal response to saline load in experimental liver disease. Mullane JF, et al. J Surg Res 10:519-23, Nov 70
[Long term control of diuresis, natriuresis and kaliuresis after sodium chloride loading in normal pregnancy toxemias and in healthy non-pregnant women] Janíček M, et al.
Zentralbl Gynaekol 92:1022-35, 8 Aug 70 (Ger)
[Water loading test and hypertonic saline loading test] Murase T, et al. Jap J Clin Med 28:2741-5, Dec 70 (Jap)

HISTORY

[Salt] Josephson B. Nord Med 85:3-13, 7 Jan 71 (Swe)

METABOLISM

Renal detection of hypotonic saline infusion. Elsinger RP, et al. Am J Med Sci 261:139-44, Mar 71
Salt and water reabsorption by short loops of Henle during renal vein constriction. Anagnostopoulos T, et al. Am J Physiol 220:1060-6, Apr 71
The influence of sulphur, sodium chloride and nitrogen supplements on the nitrogen balance of Merino sheep in North Western Australia. Robinson DW.
Br Vet J 126:470-5, Sep 70
Relationship between passive permeability to nonelectrolytes and active transport activity in the isolated intestinal wall. Faelli A, et al.
Experientia 27:652-3, Jun 71
Characteristics of NaCl and water transport in the renal proximal tubule. Kokko JP, et al.
J Clin Invest 50:69-76, Jan 71
Intestinal absorption in the duck (Anas platyrhyncos) maintained on fresh water and hypertonic saline. Crocker AD, et al. J Endocrinol 49:18-9, Mar 71
The effect of adrenalectomy on salt and water metabolism in the duck. Thomas DH, et al.
J Endocrinol 50:7-8, Jul 71
Salt and water permeability of the epithelium of the coprodeum and large intestine in the normal and dehydrated fowl (Gallus domesticus). In vivo perfusion studies. Bindslev N, et al.
J Physiol (Lond) 216:735-51, Aug 71
Sodium chloride absorption and solute-linked water flow across the epithelium of the coprodeum and large intestine in the normal and dehydrated fowl (Gallus domesticus). In vivo perfusion studies. Bindslev N, et al. J Physiol (Lond) 216:753-68, Aug 71
[Influence of increased salt intake on the excretion of osmotically active substances and water by kidney. Comparison with the limited effect of dietary sodium] Stříbrná J, et al. Vnitr Lek 17:135-46, Feb 71 (Cze)
[Flow and ionic permeability of cells of isolated perfused liver of rat] Claret M, et al.
C R Acad Sci [D] (Paris) 273:208-10, 12 Jul 71 (Fre)
[Aldosterone effect on the sodium chloride and potassium excretion in the sweat of cystic fibrosis patients and healthy persons] Emrich HM, et al.
Klin Wochenschr 48:966-72, 15 Aug 70 (Ger)
[Potentials of flow and potentials of diffusion across the small intestine and colon of Testudo hermanni] Lippe C.
Boll Soc Ital Biol Sper 45:1603-5, 31 Dec 69 (Ita)
[Effect of a beta-adrenergic block with pronethalol, propranolol, hydrobutamine, C.39'069-Ba and H 56-28 on the electrocardiographic modifications of NaCl,MgCl 2 and KCl in rat] Marmo E, et al.
Folia Cardiol (Milano) 28:83-91, 1969 (Ita)

PHARMACODYNAMICS

Vasopressin release from the rat supraoptico-neurohypophysial system in vitro in response to hypertonicity and acetylcholine. Eggena P, et al. Acta Endocrinol (Kbh) 65:442-52, Nov 70
Some effects of hypertonic NaCl solution on the mechanical and electrical responses of slow and fast muscles of the cat. Kovács T, et al.
Acta Physiol Acad Sci Hung 38:183-92, 1970
Conjoint action of sodium and angiotensin on brain mechanisms controlling water and salt balances. Andersson B, et al. Acta Physiol Scand 81:18-29, Jan 71
Effect of hypotonic mannitol and saline load on diluting capacity in man. Aperia A, et al.
Acta Physiol Scand 80:145-8, Oct 70
Relationship of sodium and potassium intake to blood pressure. Gros G, et al. Am J Clin Nutr 24:605-8, Jun 71
Carbohydrate metabolism in the primate fetus. Studies of the placental gradient for glucose and insulin in response to intravenous saline, glucose, and glucagon injections. Little WA, et al.
Am J Obstet Gynecol 109:732-43, 1 Mar 71
Measurement of intrarenal blood flow. II. Effect of saline diuresis in the dog. Blantz RC, et al.
Am J Physiol 220:1914-20, Jun 71
Calcium deprivation and renal handling of calcium during repeated saline infusions. Brickman AS, et al.
Am J Physiol 220:44-8, Jan 71
Modification of calciuretic effect of extracellular volume expansion by phosphate infusion. Coburn JW, et al. Am J Physiol 220:377-83, Feb 71
Metabolic rate in renal cortex and medulla during mannitol and saline infusion. Kiil F, et al.
Am J Physiol 220:565-70, Feb 71
Angiographic appearance of the canine kidney in acute hemorrhagic shock--modification by saline infusion, THAM infusion, and reinfusion of blood. Meng CH, et al.
Am J Roentgenol Radium Ther Nucl Med 111:716-28, Apr 71
Changes in the chloride-concentrations of amniotic fluid, maternal serum and urine following intra-amniotic saline injections. Kovács L.
Ann Chir Gynaecol Fenn 59:182-6, 1970
The sodium and potassium contents of yeasts differing in halotolerance, at various NaCl concentrations in the media. Norkrans B.
Antonie van Leeuwenhoek 35:Suppl:G31-2, Jun 69
Effect of sodium chloride and pH on enterotoxin C production. Genigeorgis C, et al.
Appl Microbiol 21:862-6, May 71
Tolerance of bacteria to high concentrations of NaCl and glycerol in the growth medium. Marshall BJ, et al.
Appl Microbiol 21:363-4, Feb 71
ATPase activity in rat jejunal epithelial cell homogenate: its relation to intestinal sodium chloride absorption and its change under the influence of some drugs. Wolff FA de, et al.
Arch Int Pharmacodyn Ther 189:399-400, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Growth responses of blue-green algae to sodium chloride concentration. Batterton JC Jr, et al. Arch Mikrobiol 76:151-65, 1971

Gastric secretion after parenteral fluid administration. Wilmore DW, et al. Arch Surg 102:509-11, May 71

Saline suppression of plasma aldosterone and plasma renin activity in hypertension. Kem DC, et al. Ariz Med 28:264-6, Apr 71

Salt-dependent conformational changes in the cell membrane of Halobacterium salinarium. Hsia JC, et al. Biochem Biophys Res Commun 43:88-93, 2 Apr 71

Effects of monovalent cations on light energy distribution between two pigment systems of photosynthesis in isolated spinach chloroplasts. Murata N. Biochim Biophys Acta 226:422-32, 2 Mar 71

Selective extraction of histones with sodium chloride and urea. Senshu T. Biochim Biophys Acta 236:349-52, 27 Apr 71

The survival of cells in human bone after exposure to air and saline correlated with deoxyribonucleic acid abnormalities. Nelson CL, et al. Calcif Tissue Res 6:280-4, 1970

Salt tolerance of intertidal marine bacteria. Forsyth MP, et al. Can J Microbiol 17:825-8, Jun 71

Vascular hyper-reactivity with sodium loading and with desoxycorticosterone induced hypertension in the rat. Beilin LJ, et al. Clin Sci 39:793-810, Dec 70

Different effects of frusemide administered during hypertonic saline infusion in healthy subjects and hypertensive patients. Radó JP, et al. Clin Sci 39:833-45, Dec 70

Alterations in plasma renin activity of patients with essential hypertension induced by NaCl and by salt depletion. Kiprov D, et al. Cor Vasa 12:188-92, 1970

Freeze-thaw behavior of a moderately halophilic bacterium as a function of salt concentration. Deal PH. Cryobiology 7:107-12, Sep-Oct 70

The kinetics of the inactivation of thylakoid membranes by freezing and high concentrations of electrolytes. Santarius KA, et al. Cryobiology 7:71-8, Sep-Oct 70

Levels of antidiuretic hormone in plasma after hemorrhage and infusion of hypertonic saline in dogs. Saito T, et al. Endocrinology 88:1511-3, Jun 71

The partial dissociation of nucleohistone by salts. Circular dichroism and denaturation studies. Henson P, et al. Eur J Biochem 16:524-31, Nov 70

Effects of low salt concentration on structural organization and template activity of chromatin in chicken erythrocyte nuclei. Brasch K, et al. Exp Cell Res 65:61-72, Mar 71

Ion-dependent anisotropy of deoxyribonucleoprotein structures in tissue cultures. Kellermayer N, et al. Exp Cell Res 63:204-7, Nov 70

Influence of NaCl, KCl and MgSO4 concentration on total and irreversible adsorption of T2r phage on isolated cell walls. Horáček P, et al. Folia Microbiol (Praha) 15:282-7, 1970

Chloride dependent growth stimulation of Vibrio cholerae (569B Inaba). Modak MJ, et al. Indian J Exp Biol 8:342-3, Oct 70

The effect of autogenous urine on leukocytic defenses in man. II. The response to varied concentrations of saline, urea, and urine. Johnson AJ, et al. Invest Urol 8:224-30, Sep 70

Self-feeding salt-supplement to grazing steers under tropical conditions. Chicco CF, et al. J Anim Sci 33:142-6, Jul 71

Effect of sodium chloride on the heat and radiation resistance and on the recovery of heated or irradiated spores of the genus bacillus. Briggs A, et al. J Appl Bacteriol 33:621-32, Dec 70

Allosteric inhibiton by alkali ions of the Ca 2+ uptake and adenosine triphosphatase activity of skeletal muscle microsomes. De Meis L. J Biol Chem 246:4764-73, 10 Aug 71

The effects of sucrose and various salts on the growth and lysosomal enzyme activity of L5178Y cells. Bernacki RJ, et al. J Cell Sci 8:399-406, Mar 71

Effect of temporary septal dysfunction on conditioning and performance of fear responses in rats. Duncan PM. J Comp Physiol Psychol 74:340-8, Mar 71

Effects of sodium chloride and sucrose on caries activity in rats. Esposito EJ. J Dent Res 50:850-3, Jul-Aug 71

The effect of salt loading on the pituitary prolactin levels of the domestic duck (Anas platyrhynchos) and juvenile herring or lesser black-backed gulls (Larus argentatus or Larus fuscus). Ensor DM, et al. J Endocrinol 48:167-72, Oct 70

The influence of growth-limiting substrate and medium NaCl concentration on the synthesis of magnesium-binding sites in the walls of Bacillus subtilis var. niger. Meers JL, et al. J Gen Microbiol 63:325-31, Nov 70

Effects of sodium chloride on steady-state growth and metabolism of Saccharomyces cerevisiae. Watson TG. J Gen Microbiol 64:91-9, Nov 70

Increased calcium excretion after saline administration to hypertensive subjects. Ackerman GL. J Lab Clin Med 77:298-306, Feb 71

Effects of prolonged saline exposure on water, sodium and urea transport and on electron-microscopical characteristics of the isolated urinary bladder of the toad Bufo bufo. Ackrill P, et al. J Physiol (Lond) 210:73-85, Sep 70

Effects of 0-9 per cent saline infusion on urinary and renal tissue composition in the hydropaenic, normal and hydrated conscious rat. Atherton JC, et al. J Physiol (Lond) 210:45-71, Sep 70

Effect on body temperature of perfusing calcium-free saline solution from a lateral ventricle to cisterna magna in the unanaesthetized rabbit. Feldberg W, et al. J Physiol (Lond) 207:52P-53P, Apr 70

Influence of dietary sodium chloride upon the hematologic and organ responses of rats to injected dextran. Evidence against an immunologic etiology of the associated arthropathy. Hall CE, et al. Lab Invest 24:456-63, Jun 71

Potentiation of angiotensin and eledoisin activities by sodium chloride. Bergmann J, et al. Life Sci [I] 10:969-75, 1 Sep 71

The effect of NaCl and LiCl on vasopressin-sensitive adenyl cyclase. Douza T, et al. Life Sci [I] 9:765-70, 1 Jul 70

On the regulation of the regulatory enzyme, citrate synthase, by salt. Poulsen LL, et al. Life Sci [II] 10:91-7, 22 Jan 71

Urea metabolism in patients with chronic renal failure: influence of sodium bicarbonate or sodium chloride administration. Blom van Assendelft PM, et al. Metabolism 19:1053-63, Dec 70

Dissociation of calciuretic and natriuretic responses to NaCl infusions in adrenalectomized dogs. Schmitt GH, et al. Metabolism 20:835-42, Sep 71

Effects of oligomycin on the (Na + + K +)-dependent adenosine triphosphatase. Robinson JD. Mol Pharmacol 7:238-46, May 71

Salinity tolerance of Saprolegnia parasitica Coker. Harrison JL, et al. Mycopathol Mycol Appl 43:297-307, 25 Mar 71

Osmotic threshold for vasopressin release as determined by saline infusion and by dehydration. Moses AM, et al. Neuroendocrinology 7:219-26, 1971

Parathormone as a mediator of inorganic phosphate diuresis during saline infusion in the rat. Frick A. Pfluegers Arch 325:1-13, 1971

Electrical and mechanical events in depolarized cardiac muscle fibers during low sodium perfusion. Mascher D. Pfluegers Arch 323:284-96, 1971

The mechanism of the acute effect of sodium chloride on blood pressure. Haddy FJ, et al. Proc Soc Exp Biol Med 136:551-4, Feb 71

Effects of sodium restriction on renin, norepinephrine, and cation content of cardiovascular tissues of dogs. Hayduk K, et al. Proc Soc Exp Biol Med 135:271-4, Nov 70

Effects of chronic excess salt feedin: demonstration of normal thyroid function in salt-fed dogs with hypercholesterolemia. Omenn GS, et al. Proc Soc Exp Biol Med 135:380-3, Nov 70

The effect of inorganic salts on the colorimetric estimation of deoxyribonucleic acid by the diphenylamine reaction. Ganguli PK. Rev Can Biol 29:261-9, Sep 70

Taste of water in the cat: effects on sucrose preference. Bartoshuk LM, et al. Science 171:699-701, 19 Feb 71

Effects of saline and colloid solutions on pulmonary function in hemorrhagic shock. Moss GS, et al. Surg Gynecol Obstet 133:53-8, Jul 71

Effects of sodium chloride on the water consumption of sand rats (Psammomys obesus). Abdallah A, et al. Z Versuchstierkd 13:150-7, 1971

[Tolerance to sodium chloride of Azotobacter strains isolated from the Atlantic coastline soils] Fustec-Mathon E, et al. Ann Inst Pasteur (Paris) 119:498-511, Oct 70 (Fre)

[Experimental morphological studies on animals; reactions of the bronchial mucosa to stimulation by aerosols] Kühne W. Bronches 18:521-3, Nov-Dec 68 (Fre)

[Effect of sodium chloride on the anti-bacterial action of gentamycin] Denis F, et al. C R Soc Biol (Paris) 164:2093-5, 1970 (Fre)

[Sodium chloride and glucose perfusions in rabbits, in Thiry-Vella type intestinal loop] Coulaud D, et al. J Physiol (Paris) 63:31A, Mar-Apr 71 (Fre)

[The effect of sodium overload on noradrenaline and 5-hydroxytryptamine in the brain and heart of rats] Godefroy F. J Physiol (Paris) 62:255-71, May-Jun 70 (Fre)

[Paradoxical effect of sodium chloride on oxacillin activity with regard to Staphylococcus aureus strains sensitive or resistant to this antibiotic] Yourassowsky E, et al. Pathol Biol (Paris) 18:819-22, Oct 70 (Fre)

[Influence of sodium perfusion on the respective anti-arrhythmic effects of imipramine and tetrodotoxin against aconitine in rats] Lagier G, et al. Therapie 26:109-19, Jan-Feb 71 (Fre)

[Histol- ogic and histochemical findings in the adrenal gland of male albino rats following antadenohypophysary, antithyroid and contrainsulin treatment] Marzotko D, et al. Gegenbaars Morphol Jahrb 116:1-34, 1971 (Ger)

[Effect of chronic cortexone-salt treatment on the mydriatic action of sympathomimetics] Walland A, et al. Naunyn Schmiedebergs Arch Pharmakol 266:472-3, 1970 (Ger)

[Renin release from kidney slices, as a function of the electrolyte composition of the medium] Oelkers W, et al. Pfluegers Arch 321:67-82, 1970 (Ger)

[Salt tolerance of respiration and light emission of Vibrio luminosus] Kössler F. Z Allg Mikrobiol 10:615-25, 1970 (Ger)

[Histological findings in the testes of adult albino rats following disruptions of the endocrine systems] Marzotko D, et al. Z Mikrosk Anat Forsch 83:215-36, 1971 (Ger)

[The resistance of the causative organisms of actinomycosis and nocardiosis to some environmental factors. II. The survival in distilled water and in simple aqueous solutions] Schaal KP. Zentralbl Bakteriol [Orig] 215:234-44, 1970 (Ger)

[Quantitative value of the count of helminth eggs in saturated sodium chloride solution. Comparison with the Stoll and Hausheer method] Ricci M, et al. Riv Parassitol 31:123-38, Jun 70 (Ita)

[Effect of the pituitary-adrenal system and administration of physiological saline on the excretion of uropepsinogen] Lipovskiĭ SM. Biull Eksp Biol Med 71:15-7, May 71 (Rus)

[The effect of chemical stimulation of small intestine receptors on the electrical activity of the hypothalamus and motor region of the cerebral cortex of rats] Udalova GP. Nerv Sist 9:103-8, 1968 (Rus)

[Bioelectric activity of the limbic region of the rabbit cerebral cortex under normal conditions and during salt loading following the action of gamma-aminobutyric acid on the motor region] Vasilevskaia NE, et al. Vestn Leningr Univ [Biol] 3:82-8, Aug 69 (Rus)

[Effects of extracellular sodium concentration on myocardial muscle contraction] Mattiazzi AR, et al. Rev Soc Argent Biol 45:5-12, Apr-Jul 69 (Spa)

PHYSIOLOGY

[The effect of sodium and chlorine ions on the properties of portal vein muscle cells] Taranenko VM, et al. Fiziol Zh SSSR 56:1149-56, Aug 70 (Rus)

POISONING

Pathomorphology of sodium chloride poisoning. II. Histopathological, histochemical, and histoenzymological studies of changes in the pituitary-adrenal system. Michalska Z. Folia Histochem Cytochem (Krakow) 9:51-75, 1971

Pathomorphology of sodium chloride poisoning. I. A histoenzymological study of changes in the central nervous system. Michalska Z. Folia Histochem Cytochem (Krakow) 9:31-49, 1971

Pathomorphology of sodium chloride poisoning. I. A histoenzymological study of changes in the central nervous system. Michalska Z. Folia Histochem Cytochem (Krakow) 9:31-50, 1971

Fatal salt poisoning due to gastric lavage with hypertonic saline. Carter RF, et al. Med J Aust 1:539-41, 6 Mar 71

[Feeding errors in poultry. I. NaCl-overdosage in compound feed for layer hens] Lüders H, et al. Dtsch Tieraerztl Wochenschr 77:614-6, 1 Dec 70 (Ger)

SECRETION

[Influence of preserved tissue (skin) implantation on NaCl excretion in tears] Vancea P. Klin Monatsbl Augenheilkd 158:303, Feb 71 (Ger)

THERAPEUTIC USE

The relationship between progesterone, uterine volume, intrauterine pressure, and clinical progress in hypertonic saline--induced abortions. Csapo AI, et al. Am J Obstet Gynecol 108:950-5, 15 Nov 70

Complications of amnioinfusion with hypertonic saline for midtrimester abortion. Goodlin RC. Am J Obstet Gynecol 110:885-6, 15 Jul 71

Termination of pregnancy with intra-amniotic hypertonic saline. Gillmer MD, et al. Br Med J 1:434-7, 20 Feb 71

From salted onions to clorox and milk. J Iowa Med Soc 61:483-4, Aug 71

The role of fetal death in the process of therapeutic abortion induced by intra-amniotic injection of hypertonic saline. Kovács L, et al. J Obstet Gynaecol Br Commonw 77:1132-6, Dec 70

The effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance: a comparison between normal saline and Ringer's lactate solutions. Coran AG, et al. Surgery 69:874-80, Jun 71

[Pregnancy toxic pyelitis cured by medical treatment alone (recent case)] Zurlinden, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:481-2, Nov-Dec 68 (Fre)

[A new drug used for nasal pulverizations] Cailleres. Rev Laryngol Otol Rhinol (Bord) 90:251-3, Mar-Apr 69 (Fre)

[Clinical study on a new collutory] Cailleres.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rev Laryngol Otol Rhinol (Bord) 90:254-6, Mar-Apr 69 (Fre)
[Choice of surgical treatment in Menière's disease. The new method of "osmotic induction"] Arslan M.
HNO 19:81-7, Mar 71 (Ger)
[Electrocardiographic changes in patients with coronary atherosclerosis under the influence of sodium chloride] Milovidova SS.
Kardiologiia 10:128-30, Jun 70 (Rus)

TOXICITY

[Comparative toxicity of lithium salts] Samoilov NN.
Farmakol Toksikol 33:616-9, Sep-Oct 70 (Rus)

URINE

The role of the urinary bladder in salt and water metabolism of the toad, Bufo marinus. Middler SA, et al. Comp Biochem Physiol 26:57-68, Jul 68

SODIUM CLOXACILLIN see under CLOXACILLIN (D3)

SODIUM GOLD THIOSULFATE see under GOLD (D1)

SODIUM HYDROXIDE (D1)

Immunologic response of 2-day-old passively immune and susceptible chicks to inactivated Newcastle disease virus. II. Effect of adding normal chicken serum, agarose, and formalin to alum-precipitated and sodium-hydroxide-conjugated vaccine. Boney WA Jr, et al. Avian Dis 14:779-87, Nov 70
A comparison of "OH" and "PO4" buffer on the organ distribution of indium colloids in the rat. Adatepe MH, et al. Int J Appl Radiat Isot 22:220-3, Mar 71
[Influence of sodium hydroxide on the bromatometric determination of hydroquinone and 1-and 2-naphthol] Thielemann H. Pharmazie 25:750-1, Dec 70 (Ger)
[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al.
J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)

ADVERSE EFFECTS

An unusual case of oesophageal stricture. Bates M.
Br Med J 1:231, 23 Jan 71

PHARMACODYNAMICS

Ultrastructure of induced transitions in the chromatin organization of Drosophila polytene chromosomes. Sorsa V, et al. Chromosoma 31:346-55, 1970
The effects of various treatments on the surfaces of the cercariae and schistosomula of Schistosoma mansoni. Kusel JR. Parasitology 62:199-207, Apr 71
[Filtering, bactericidal and bacteriostatic action of soda lime] Consorti P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1429-32, 1968 (Ita)

SODIUM HYPOCHLORITE (D1)

Effect of chlorination in the final washer on bacterial counts of broiler chicken carcasses. Sanders DH, et al.
Poult Sci 50:215-9, Jan 71

ADVERSE EFFECTS

The experimental causticity of sodium hypochlorite in the esophagus. Yarington CT Jr.
Ann Otol Rhinol Laryngol 79:895-9, Oct 70

PHARMACODYNAMICS

The effect of small amounts of sodium hypochlorite on the growth of Earl's "L" cells in suspension growth. Jordon WC, et al. Biotechnol Bioeng 12:635-9, Jul 70
The solvent action of sodium hypochlorite on pulp tissue of extracted teeth. Senia ES, et al.
Oral Surg 31:96-103, Jan 71

POISONING

Esophageal stenosis produced by ingestion of bleach: report of two cases. French RJ, et al.
South Med J 63:1140-4, Oct 70

THERAPEUTIC USE

Mastitis prophylaxis. A comparative study of udder wash with sodium hypochlorite, iodophor and hexachlorophene. Hansen SR.
Acta Vet Scand 12:80-5, 1971
Rationalized endodontic treatment by a bacteriologic direct sampling technique. Olgart LG.
J Dent Res 49:Suppl:1427-30, Nov-Dec 70
From salted onions to clorox and milk.
J Iowa Med Soc 61:483-4, Aug 71

SODIUM IODOHIPPURATE see under IODOHIPPURIC ACID (D2, D13)

SODIUM ISOTOPES (D1)

Determination of the functional extracellular fluid volume (ECFV) by sodium-24 chloride. Rai KR, et al.
Indian J Med Res 58:1038-43, Aug 70
A simplification of the radioactive antigen-binding test by a double label technique. Gotschlich EC.
J Immunol 107:910-1, Sep 71
Increase of dermal blood flow after sympathectomy as measured by radioactive sodium uptake. Herman BE, et al. Vasc Surg 4:161-3, Sep 70
[Changed 75Se concentration in Na2 75SeO3-application in tumors after irradiation] Wenzel M, et al.
Klin Wochenschr 48:1367-8, 15 Nov 70 (Ger)

ANALYSIS

Cosmogenic and artificial Na-22 levels in rainwater. Cigna AA, et al. Health Phys 18:379-82, Apr 70
Occurrence of 22Na in medium-sized animals. Gabay JJ, et al. Health Phys 18:429-31, Apr 70

METABOLISM

[Rate of absorption of Na24Cl and I-131-hippuran from the intramuscular depot] Sysoev VF, et al.
Med Radiol (Mosk) 15:84-6, Sep 70 (Rus)

SODIUM MORRHUATE see under SCLEROSING SOLUTIONS (D13)

SODIUM OXACILLIN see under OXACILLIN (D3)

SODIUM PSYLLIATE see under SCLEROSING SOLUTIONS (D13)

SODIUM RICINOLEATE see under SCLEROSING SOLUTIONS (D13)

SODIUM SALICYLATE (D2)

Solubility of sodium salicylate in mixed solvent systems. Paruta AN, et al. J Pharm Sci 60:432-7, Mar 71

ADMINISTRATION & DOSAGE

Biochemical and structural changes in rat liver resulting from the parenteral administration of a large dose of sodium salicylate. Bullock GR, et al.
Biochem Pharmacol 19:245-53, Jan 70
[Effect of amidopyrine, antipyrine, analgine and sodium salicylate on the tonus of intracranial and extracranial vessels] Gaevyi MD.
Farmakol Toksikol 34:174-81, 1971 (Rus)
[Effect of antirheumatic agents on the autoimmune reaction in vitro] Sachkov VI, et al.
Farmakol Toksikol 34:77-9, 1971 (Rus)
[Refractometric analysis of double drug solutions] Morachevskaiâ MD, et al.
Farmatsiia 20:44-6, 1971 (Rus)

ADVERSE EFFECTS

Effect of aspirin, sodium salicylate, and acetaminophen on bleeding. Sutor AH, et al.
Mayo Clin Proc 46:178-81, Mar 71
[Effects of aspirin and salicylates on the gastric mucosa] Faggioli F, et al.
G Clin Med 51:298-319, Apr 70 (Ita)

BLOOD

Appearance of salicylate in the circulation of thne newborn after administering the drug to the mother in the first minute of the placental stage. Boda D, et al.
Ann Clin Res 3:150-2, Jun 71

METABOLISM

Enzymatic conversion of salicylate to salicylurate. Forman WB, et al. Mol Pharmacol 7:247-59, May 71
[Studies on enteral absorption of pharmacologic substances in rats of different age. I. Penetration of foreign substances through the intestinal wall in vitro] Hoffmann H, et al.
Acta Biol Med Ger 26:833-44, 1971 (Ger)

PHARMACODYNAMICS

Glycolysis in human blood in the presence of sodium salicylate and the importance of the incubation medium. Davies DT, et al.
Biochem Pharmacol 19:1277-85, Apr 70
Hippuric acid synthesizing system during development. Kinetic studies and inhibition with salicylic acid. Gorodischer R, et al.
Biochem Pharmacol 20:67-72, Jan 71
On the effect of salicylate on incorporation of acetyl-CoA and malonyl-CoA into fatty acids and unsaponified compounds. Klimov AN, et al.
Biochem Pharmacol 20:227-9, Jan 71
Sodium salicylate and L-glutamic dehydrogenase activity of the brain. Villela GG, et al.
Biochem Pharmacol 19:2176-9, Jun 70
Arsanilic acid, sodium salicylate and bromide salts as potential growth stimulants for pigs receiving diets with and without copper sulphate. Barber RS, et al.
Br J Nutr 25:381-9, May 71
The suppression of inflammatory edema at the nidation site by sodium salicylate and nitrogen mustard in the rat. Horan AH. Fertil Steril 22:392-7, Jun 71
The effect of sodium salicylate on the binding of long-chain fatty acids to plasma proteins. Dawkins PD, et al. J Pharm Pharmacol 22:405-10, Jun 70
The effect of sodium salicylate on the release of acid phosphatase activity from rat liver lysosomes in vitro. Harford DJ, et al.
J Pharm Pharmacol 22:578-83, Aug 70
Salicylate-induced inhibition of collagen and mucopolysaccharide biosynthesis by a chick embryo cell-free system. Nakagawa H, et al.
J Pharm Pharmacol 23:399-406, Jun 71
The effects of salicylate on temperature regulation in the rabbit. Cranston WI, et al.
J Physiol (Lond) 208:251-9, May 70
The effects of salicylate upon temperature regulation in the rabbit. Cranston WI, et al.
J Physiol (Lond) 206:19P-20P, Feb 70
The sites of salicylate-induced antipyresis in the central nervous system of the rabbit. Cranston WI, et al. J Physiol (Lond) 215:27P, May 71
The venotropic action of some anti-inflammatory compounds. Observations in the isolated murine portal vein. Helfer H, et al. Pharmacology 5:23-35, 1971
The influence of amphiphilic alts in the control of oxygen consumption of the animal cell. O'Connor JM.
Proc R Ir Acad [B] 70:5-14, 1970
[Influence of sodium salicylate on cortisol-4-14 C metabolism in vitro] Sedlák J, et al.
Cas Lek Cesk 110:519-20, 1971 (Cze)
[The influence of anti-inflammatory agents on the central effects of barbiturates] Grosman IuS, et al.
Biull Eksp Biol Med 66:72-3, 1968 (Rus)
[Effect of non-steroid anti-inflammatory agents on proliferative processes in the inflammation focus] Mokhort NA.
Farmakol Toksikol 34:297-300, May-Jun 71 (Rus)
[Effect of cortisone, sodium salicylate and amidopyrine on the formation of granulomatous sac barrier mechanisms] Stamova LG.
Farmakol Toksikol 34:183-5, 1971 (Rus)
[Comparative anti-inflammatory, analgesic, antopyretic and toxic effect of mefenamic acid, butadion and sodium salicylate] Trinus FP, et al.
Farmakol Toksikol 34:306-11, May-Jun 71 (Rus)

POISONING

[Problems in the treatment of acidosis in salicylate poisoning] Weissenbacher G.
Wien Klin Wochenschr 82:137-42, 20 Feb 70 (Ger)

THERAPEUTIC USE

The antipyretic effects of acetaminophen and sodium salicylate on endotoxin-induced fevers in cats. Clark WG. J Pharmacol Exp Ther 175:469-75, Nov 70
The action of salicylate on non-infective feer. Cranston WI, et al. J Physiol (Lond) 207:18P, Mar 70
Observations on the mechanism of salicylate-induced antipyresis. Cranston WI, et al.
J Physiol (Lond) 210:593-600, Oct 70
[The effect of antipyretics on experimental bronchospasm] Shevchenko AI.
Biull Eksp Biol Med 67:78-80, Jun 69 (Rus)
[Effect of mud applications and their combination with sodium salicylate on the cardiac function in modeling of rheumatism] Luzin LL.
Vopr Kurortol Fizioter Lech Fiz Kult 35:231-3, May-Jun 70 (Rus)

SODIUM TETRADECYL SULFATES see under SCLEROSING SOLUTIONS (D13)

SOFRAMYCIN see FRAMYCETIN (D3)

SOIL (G3)

see also related HUMIC ACIDS (D13)

Clinical manifestations of visceral larva migrans. Variability as related to duration of ingestion. Lampkin BC, et al. Clin Pediatr (Phila) 9:683-5, Nov 70
Influence of soil fumigation of Telone and Nemagon on the ultrastructure of chromoplasts in carrot roots (Dancus carota L). Wu M, et al.
Experientia 27:712-3, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

210PoO2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71
210 PoO 2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71
The hazards implication of the transfer of unsupported 210 Po from alkaline soil to plants. Watters RL, et al. Health Phys 18:409-13, Apr 70
Effect of Mucor alternans on the persistence of DDT and Dieldrin in culture and in soil. Anderson JP, et al. J Econ Entomol 63:1595-9, Oct 70
Effects of variety and maturity of carrots upon uptake of Endrin residues from soil. Hermanson HP, et al. J Econ Entomol 63:1651-4, Oct 70
Long-term effects of carbon in reducing uptake of insecticidal soil residues by crops. Lichtenstein EP, et al. J Econ Entomol 64:585-8, Jun 71
Bioactivity of dasanit in a mineral soil in rutabagas in the field and in storage, and effect of cooking on toxicants in the roots. Read DC. J Econ Entomol 64:597-601, Jun 71
The effect of some composites on plant parasitic nematodes in soil. Gommers FJ. Pharm Weekbl 106:142-8, 19 Mar 71
Kinetics of heterogeneous chemical reactions: a theoretical model for the accumulation of pesticides in soil. Lin SH, et al. Proc Natl Acad Sci USA 68:777-80, Apr 71
The uptake of cerium-144, promethium-147, and plutonium-238 by oat plants from soils. Cummings SL, et al. Radiol Health Data Rep 12:83-5, Feb 71
Factors influencing the adsorption, desorption, and movement of pesticides in soi. Bailey GW, et al. Residue Rev 32:29-92, 1970 (246 ref.)
Introduction to triazine-soil interactions. Dubach P. Residue Rev 32:19-28, 1970 (9 ref.)
Movement of s-triazine herbicides in soils. Helling CS. Residue Rev 32:175-210, 1970 (84 ref.)
Mechanisms of adsorption of s-triazines by clay colloids and factors affecting plant availability. Weber JB. Residue Rev 32:93-130, 1970 (109 ref.)
Nitrogen loss--a general phenomenon in ammonia and ammonium salts oxidation. Dhar NR. Zentralbl Bakteriol [Naturwiss] 124:238-44, 1970
[Experimental study on the epidemiology of South-American blastomycosis] Saravia-Gomez J. Brux Med 48:577-88, Sep 68 (Fre)
[The problem of the residues in the application of chemical plant preservatives] Wallnöfer P. Dtsch Med Wochenschr 95:2535-8, 11 Dec 70 (Ger)
[The influence of the pig-run and soil on growth and on the hemoglobin content of the blood of infant pigs] Gütte JO, et al. Z Tierphysiol 22:160-73, Mar 67 (Ger)
[Influencing radioactive contamination of animals by addition of clay-minerals to food] Mirna A. Z Tierphysiol 26:72-82, Mar 70 (Ger)
[Investigations on the interaction between soil reaction and microorganisms. 3. The effect of the pH-range on microorganisms] Hirte WF. Zentralbl Bakteriol [Naturwiss] 125:647-60, 1970 (Ger)
[Investigations on the interaction between soil reaction and microorganisms. 2. Relations between liming of soil and microorganisms] Hirte WF. Zentralbl Bakteriol [Naturwiss] 125:639-46, 1970 (Ger)
[Microbial formation of humus. 3. The effect of substrate on the humification] Novák B. Zentralbl Bakteriol [Naturwiss] 125:620-38, 1970 (Ger)
[The effect of the depth of furrow on soil life. I. The effect of the deepening of the mould on soil life of pre-loamy and loamy sand soils] Steinbrenner K. Zentralbl Bakteriol [Naturwiss] 122:158-76, 1968 (Ger)
[Hygienic assessment of soil and plants treated with polychlorpinene] Kozhinova LA, et al. Gig Sanit 35:53-6, Aug 70 (Rus)
[Iodine content of the soil in the Tomsk District] Savina PN. Gig Sanit 35:94-5, Nov 70 (Rus)
[Current problems of soil hygiene] Sidorenko GI, et al. Gig Sanit 25:7-10, Feb 70 (Rus)
[Hygienic criteria for assessing pesticide pollution of soil] Spynu EI, et al. Gig Sanit 35:79-82, Nov 70 (Rus)
[Some characteristics in the behavior of radioactive and stable strontium in meadow biogeocenoses] Antropova ZG, et al. Radiobiologiia 11:301-4, Mar-Apr 71 (Rus)
[The significance of regional ecologic factors in the epizootology of anthrax. I. The factor of erosion] Adamovich VL, et al. Zh Mikrobiol Epidemiol Immunobiol 47:73-9, Jun 70 (Rus)
[Study of ecologic adaptation of Ancylostoma duodenale larvae in an endemic region of ankylostomiasis at Bosanski Brod] Gvozdenović M. Glas Srp Akad Nauka [Med] 21:145-52, 1969 (Ser)

ANALYSIS

Etiology of caries in Papua-New Guinea. Associations in soil, food and water. Barmes DE, et al. Bull WHO 43:769-84, 1970
Behavior of urease added to unsterilized, steam-sterilized, and gamma radiation-sterilized black spruce humus. Roberge MR. Can J Microbiol 16:865-70, Sep 70
Distribution of fallout and natural gamma radionuclides in litter, humus and surface mineral soil layers under natural vegetation in the Great Smoky Mountains, North Carolina-Tennessee. Ritchie JC, et al. Health Phys 18:479-89, May 70
Erosional behavior of Cesium-137. Rogowski AS, et al. Health Phys 18:467-77, May 70
Persistence of plutonium in soil, plants and small mammals. Romney EM, et al. Health Phys 19:487-91, Oct 70
Phosphatase activity in marine environments: open sandy beach at Porto Novo. Ayyakkannu K, et al. Indian J Exp Biol 8:349-50, Oct 70
Fate of herbicide-derived chloroanilines in soil. Bartha R. J Agric Food Chem 19:385-7, Mar-Apr 71
Pathways of loss of dieldrin from soils under field conditions. Caro JH, et al. J Agric Food Chem 19:379-84, Mar-Apr 71
Metabolism of propanil in soils. Chisaka H, et al. J Agric Food Chem 18:854-8, Sep-Oct 70
Determination of total residues of chlorphenamidine (N'-(4-chloro-o-tolyl)-N,N-dimethylformamine) in plant and soil material by colorimetry and thin-layer and electron capture gas chromatography. Geissbühler H, et al. J Agric Food Chem 19:365-71, Mar-Apr 71
Methylcarbamates affect acylanilide herbicide residues in soil. Kaufman DD, et al. J Agric Food Chem 19:204-6, Jan-Feb 71
Methylcarbamate inhibition of phenylcarbamate metabolism in soil. Kaufman DD, et al. J Agric Food Chem 13:513-9, May-Jun 70
Specific determination of chlorphenamidine (N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine) in plants and soil material by colorimetry and thin-layer and electron capture gas chromatography. Kossmann K, et al. J Agric Food Chem 19:360-4, Mar-Apr 71
Associated decomposition of DDT to DDE in the diffusion of DDT on homoionic clays. López-González J de D, et al. J Agric Food Chem 18:520-3, May-Jun 70
1,3-bis(3,4-dichlorophenyl) triazene from propanil in soils. Plimmer JR, et al. J Agric Food Chem 18:859-61, Sep-Oct 70
Determination of mobility and adsorption of agrichemicals on soils. Rhodes RC, et al. J Agric Food Chem 18:524-8, May-Jun 70
An improved gas chromatographic method for the analysis of 2,4-D free acid in soil. Woodham DW, et al. J Agric Food Chem 19:186-8, Jan-Feb 71
Identification of metabolites of N-(1,1-dimethylpropynyl)-3,5-dichlorobenzamide in soil and alfalfa. Yih RY, et al. J Agric Food Chem 19:314-9, Mar-Apr 71
Endemic goiter in Greece: some new epidemiologic studies. Malamos B, et al. J Clin Endocrinol Metab 32:130-9, Feb 71
Residues of aldrin, dieldrin, chlordane, and DDT in soil and sugarbeets. Onsager JA, et al. J Econ Entomol 63:1143-6, Aug 70
Measurement of absorbed dose rate from terrestrial background radiation in Hong Kong. Chuang LA, et al. J Radiat Res (Tokyo) 11:53-60, Jun 70
The determination of plutonium in soil samples. Inoue Y, et al. J Radiat Res (Tokyo) 11:98-106, Jun 70
Plants and soils as indicators of metals in the air. Goodman GT, et al. Nature (Lond) 231:287-92, 4 Jun 71
Long erm persistence of parathion in soil. Stewart DK, et al. Nature (Lond) 229:47, 1 Jan 71
Soil persistence of gungicides--experimental design, sampling, chemical analysis, and statistical evaluation. Polzin WJ, et al. Pestic Monit J 4:209-15, Mar 71
Monitoring pesticides in soils from areas ofregular, limited, and no pesticide use. Stevens LJ, et al. Pestic Monit J 4:145-66, Dec 70
Radiological health and data reports. IV. Other data. Environmental levels of radioactivity at Atomic Energy installations. Radiol Health Data Rep 12:113-7, Feb 71
Quantitative determination of triazine herbicides in soils by bioassay. Behrens R. Residue Rev 32:355-69, 1970 (40 ref.)
Ways and means to influence the activity and the persistence of triazine herbicides in soils. LeBaron HM. Residue Rev 32:311-53, 1970 (128 ref.)
Quantitative determination of triazine herbicides in soils by chemical analysis. Mattson AM, et al. Residue Rev 32:371-90, 1970 (31 ref.)
Interaction between insecticides and soil. Microbiological assay of Sevin and Meta-iso-systox using bacteria as test organisms. Mahmoud SA, et al. Zentralbl Bakteriol [Naturwiss] 124:766-8, 1970
[Pedobiological study of two halomorphic soils (estuary of the Somme and Chott el Djerid, south-Tunisia). I. Study of stations: factors of the medium] Loquet M. Ann Inst Pasteur (Paris) 120:204-27, Feb 71 (Fre)
[Pedobiologic study of 2 halomorphus soils (estuary of the Somme river and Chott El Djerid, South-Tunisia). 2. Methods. Microbiological resutle. Conclusions] Loquet M. Ann Inst Pasteur (Paris) 120:561-79, Apr 71 (Fre)
[Chemical methods of evaluation of quantitative occurrence of bacteria and algae in the soil] Steubing L. Zentralbl Bakteriol [Naturwiss] 124:245-9, 1970 (Ger)
[Criteria for the standardization of pesticide levels in the soil] Loczew I, et al. Rocz Panstw Zakl Hig 22:33-7, 1971 (Pol)
[Utilization of pesticide concentrates of Polish manufacture as analytical standards for the determination of DDT, DMDT and gamma-HCH in water and soil] Luczak J, et al. Rocz Panstw Zakl Hig 21:267-72, 1970 (Pol)
[Determination of residues of chlorinated hydrocarbon pesticides in samples of cultivated soil in Poland] Obuchowska I, et al. Rocz Panstw Zakl Hig 22:25-32, 1971 (Pol)
[Hygienic study of the soil in relation to the use of the herbicide 2,4-D] Aksenov VB, et al. Gig Sanit 35:102-3, Mar 70 (Rus)
[Distribution of Sr90 and Ce144 in various types of soil] Belova EI, et al. Gig Sanit 35:110-2, Feb 70 (Rus)
[Determination of polycyclic aromatic hydrocarbons in snow and soil samples by a spectral-luminescent method] Gurov FI, et al. Gig Sanit 36:71-4, 1971 (Rus)
[Determination of residual quantities of hexachlorane in the soil] Parseniuk LN, et al. Gig Sanit 35:70-1, Dec 70 (Rus)

SOIL MICROBIOLOGY (G1, G3)

Rhizosphere mycoflora of some bryophytes. Kamal, et al. Ann Inst Pasteur (Paris) 119:752-5, Dec 70
On rhizosphere fungal flora of some ferns from Darjeeling (India). Kamal, et al. Ann Inst Pasteur (Paris) 119:360-8, Sep 70
Microbial activities in soil near natural gas leaks. Adamse AD, et al. Antonie van Leeuwenhoek 37:251-2, 1971
Pesticide and herbicide interaction with microbial ecosystems. Kokke R. Antonie van Leeuwenhoek 36:580-1, 1970
Achromobacter starkeyi sp. n., a methionine-decomposing bacterium isolated from soil. Ruiz-Herrera J. Antonie van Leeuwenhoek 36:329-33, 1970
Ecology of yeasts isolated from oil and natural gas deposits. Tsuru S. Antonie van Leeuwenhoek 35:Suppl:D21-2, Jun 69
Occurrence of Vibrio parahaemolyticus and related hemolytic vibrios in marine environments of Washington State. Baross J, et al. Appl Microbiol 20:179-86, Aug 70
Dry-heat inactivation kinetics of naturally occurring spore populations. Bond WW, et al. Appl Microbiol 20:573-8, Oct 70
Microorganisms in unamended soil as observed by various forms of microscopy and staining. Casida LE Jr. Appl Microbiol 21:1040-5, Jun 71
Relative numbers of certain microbial groups present in compost used for mushroom (Agaricus bisporus) propagation. Fordyce C Jr. Appl Microbiol 20:198-9, Aug 70
Method for measuring mineralization in lake sediments. Harrison MJ, et al. Appl Microbiol 21:698-702, Apr 71
Increased recovery rate of salmonellae from stream bottom sediments versus surface waters. Hendricks CW. Appl Microbiol 21:379-80, Feb 71
Detection of Leptospira in soil and water by immunofluorescence staining. Henry RA, et al. Appl Microbiol 21:953-6, May 71
Seasonal incidence of bacterial temperature types in Louisiana soil and water. Larkin JM. Appl Microbiol 20:286-8, Aug 70
Methods used to monitor the microbial load of returned lunar material. Taylor GR, et al. Appl Microbiol 20:271-2, Aug 70
Listeria monocytogenes in nature. Weishimer HJ, et al. Appl Microbiol 21:516-9, Mar 71
Terminal oxydation pattern of a soil Pseudomonad (PL-strain). Hungund BL, et al. Arch Mikrobiol 71:258-70, 1970
Reisolation of Nitrosospira briensis S. Winogradsky and H. Winogradsky 1933. Watson SW. Arch Mikrobiol 75:179-88, 1971
Formation of dibutylphthalate from 2-butyne-1,4-diol by a soil bacterium. Miyoshi T, et al. Biochim Biophys Acta 222:684-5, 29 Dec 70
Persistence of captan and its effects on microflora, respiration, and nitrification of a forest nursery soil. Agnihotri VP. Can J Microbiol 17:377-83, Mar 71
Solubilization of insoluble phosphates by soil fungi isolated from nursery seedbeds. Agnihotri VP. Can J Microbiol 16:877-80, Sep 70
Effects of some phenylamide herbicides and their degradation products on soil nitrification. Corke CT, et al. Can J Microbiol 16:567-71, Jul 70
Effects of mechanical shaking and water tension on survival and distribution of fungal inoculum in glass microbead media. Dickinson CH, et al. Can J Microbiol 16:549-52, Jul 70
Salt tolerance of intertidal marine bacteria. Forsyth MP, et al. Can J Microbiol 17:825-8, Jun 71
Increased activity of soil microorganisms near sclerotia

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of Sclerotium rolfsii in soil. Gilbert RG, et al. Can J Microbiol 17:557-62, Apr 71
Enteric bacterial metabolism of stream sediment eluates. Hendricks CW. Can J Microbiol 17:551-6, Apr 71
Fate of Bacillus thuringiensis in soil: effect of soil pH and organic amendment. Saleh SM, et al. Can J Microbiol 16:677-80, Aug 70
Search for antagonistic Actinomycetae in Libyan soils. Selim MS. Can J Microbiol 17:731-5, May 71
Formation of 3,3',4,4'-tetrachloroazobenzene from 3,4-dichloroaniline in Ontario soils. Sprott GD, et al. Can J Microbiol 17:235-40, Feb 71
Particle size, water-stable aggregates, and bacterial populations in lake sediments. Tsernoglou D, et al. Can J Microbiol 17:217-27, Feb 71
Control of Fusarium wilt of muskmelon and other effects of benomyl soil drenches. Wensley RN, et al. Can J Microbiol 16:615-20, Jul 70
The distribution of antagonistic actinomycetes of three types of Indian soils. Dasgupta J, et al. Folia Microbiol (Praha) 15:368-71, 1970
The oxidation of pipecolic acid in preincubated soils. Guirguis MA, et al. Folia Microbiol (Praha) 15:459-67, 1970
Formation of biologically active substances by rhizosphere bacteria and their effect on plant growth. Hussain A, et al. Folia Microbiol (Praha) 15:468-78, 1970
Effect of glucose on decomposition of vanillin by soil microorganisms. Kunc F. Folia Microbiol (Praha) 16:51-7, 1971
Decomposition of vanillin by soil microorganisms. Kunc F. Folia Microbiol (Praha) 16:41-50, 1971
Control of damping-off and root-rot with the use of Streptomyces spores. Thirumalachar MJ, et al. Hindustan Antibiot Bull 12:138-41, May 70
Solubilization of tricalcium phosphate by some soil fungi. Mehta YR, et al. Indian J Exp Biol 8:228-9, Jul 70
Metabolism of endrin by certain soil microorganisms. Matsumura F, et al. J Agric Food Chem 19:27-31, Jan-Feb 71
Synthesis and properties of 4-(3,4-dichloroanilino)-3,3',4'-trichloroazobenzene. Rosen JD, et al. J Agric Food Chem 19:50-1, Jan-Feb 71
Metabolism of 3-(p-bromophenyl)-1-methoxy-1-methylurea (metobromuron) by selected soil microorganisms. Tweedy BG, et al. J Agric Food Chem 18:851-3, Sep-Oct 70
A selective medium for Agrobacterium radiobacter biotype 2. New PB, et al. J Appl Bacteriol 34:233-6, Mar 71
Fluorescent pseudomonads--a residual component in the soil microflora? Rovira AD, et al. J Appl Bacteriol 34:253-9, Mar 71
Pseudomonas fluorescens biotype G, the dominant fluorescent pseudomonad in South Australian soils and wheat rhizospheres. Sands DC, et al. J Appl Bacteriol 34:261-75, Mar 71
Clostridium oceanicum, sp. n., a sporeforming anaerobe isolated from marine sediments. Smith LD. J Bacteriol 103:811-3, Sep 70
Coliforms and fecal coliforms in an oyster--growing area. Presnell MW, et al. J Water Pollut Control Fed 43:407-16, Mar 71
Soil microfloral interactions with aflatoxin synthesis and degradation. Chang CM, et al. Mycologia 62:978-86, Sep-Oct 70
Aspergillus longivesica, a new species from Nigerian soil. Huang LH, et al. Mycologia 63:50-7, Jan-Feb 71
Microbial characteristics of a forest soil after twenty years of prescribed burning. Jorgensen JR, et al. Mycologia 62:721-6, Jul-Aug 70
Isolation of Nocardia from soil by a modified paraffin bait method. Kurup PV, et al. Mycologia 63:175-7, Jan-Feb 71
Endotrophic vesicular-arbuscular mycorrhizae on soybean in Florida. Schenck NC, et al. Mycologia 63:672-5, May-Jun 71
On the long-term survival of keratinophilic fungi in non-sterile soil. Alteras I. Mycopathol Mycol Appl 44:177-81, 3 May 71
The effect of sludge additives on soil fungus populations. Cooke WB. Mycopathol Mycol Appl 44:205-19, 28 May 71
Soil mycoflora of Peru. Gochenaur SE. Mycopathol Mycol Appl 42:259-72, 29 Dec 70
Fusarium javanicum Koorders in Israel. Joffe AZ, et al. Mycopathol Mycol Appl 42:305-14, 29 Dec 70
The isolation of keratinophilic fungi from soil and wild animals in South Dakota. Knudtson WU, et al. Mycopathologia Mycol Appl 40:309-23, 31 Aug 70
Effect of certain chemical fertilizers on the rhizosphere myco-flora of Oryza sativa. I. Nitrogenous fertilizers: ammonium nitrate and urea. Mishra RR. Mycopathol Mycol Appl 44:167-76, 3 May 71
Soil microfungi of Turkey. Oner M. Mycopathol Mycol Appl 42:81-7, 28 Dec 70
Deterioration of uredospores of wheat stem rust under natural conditions. Orr GF, et al. Mycopathol Mycol Appl 44:143-8, 3 May 71
Three new species of Eupenicillium from soil. Paden JW. Mycopathol Mycol Appl 43:259-68, 25 Mar 71
Isolation of keratinophilic fungi from soil in the vicinity of Bogota, Colombia. Rogers AL. Mycopathol Mycol Appl 44:261-4, 28 May 71
Nematophagous fungi of agricultural soils. I. Sachidananda J, et al. Mycopathol Mycol Appl 43:235-41, 19 Feb 71
A preliminary study of keratinophilic fungi from Abaco Island, the Bahamas. Volz PA. Mycopathol Mycol Appl 43:337-9, 25 Mar 71
First isolation of Microsporum racemosum--Dante Borelli 1965 from Romanian soil. (New data on its pathogenic properties). Alteraş I, et al. Mykosen 12:223-30, 1 Apr 69
[Production of antibiotics by geophilic dermatophytes. II. The antibiotic spectrum of crude filtrate. Gip L, et al. Mykosen 13:521-3, 1 Oct 70
Production of antibiotics by geophilic dermatophytes. I. Screening test of antibacterial activity. Gip L, et al. Mykosen 13:397-400, 1 Aug 70
Trichophyton terrestre from poultry farm soil in India. Padhye AA. Mykosen 11:725-6, 1 Oct 68
Dermatophytes and other fungi isolated from the soil in Serbia. Stefanović M. Mykosen 12:231-2, 1 Apr 69
Concerning the epidemiological importance of soil as a source of mycosis infection. Stepanischeva ZG, et al. Mykosen 14:399-401, 1 Aug 71
Bat and soil studies for sources of histoplasmosis in Florida. Disalvo AF, et al. Public Health Rep 85:1063-9, Dec 70
Interaction between herbicides and soil microorganisms. Cullimore DR. Residue Rev 35:65-80, 1971 (51 ref.)
Microbial degradation of s-triazine herbicides. Kaufman DD, et al. Residue Rev 32:235-65, 1970 (103 ref.)
Ecology and transmission of Microsporum gypseum from soil to man. Chmel L, et al. Sabouraudia 8:149-56, Aug 70
Ecology of anthrax. Van Ness GB. Science 172:1303-7, 25 Jun 71
Factors influencing distribution of some proteolytic enzymes in soils. Ambrož Z. Zentralbl Bakteriol [Naturwiss] 125:433-7, 1970
An interesting species of Piptocephalis. Baijal U, et al. Zentralbl Bakteriol [Naturwiss] 122:181-4, 1968
Effect of some chlorinated hydrocarbon insecticides on nitrification in soil. Bardiya MC, et al. Zentralbl Bakteriol [Naturwiss] 124:552-5, 1970
Further research on Azotobacter paspali and its variety specific occurrence in the rhizosphere of Paspalum notatum Flugge. Döbereiner J. Zentralbl Bakteriol [Naturwiss] 124:224-30, 1970
Effect of dieldrin and lindane on soil microorganisms. Mahmoud SA, et al. Zentralbl Bakteriol [Naturwiss] 125:134-49, 1970
Correlation analysis of criteria of symbiotic nitrogen. Fixation by soybeans (Glycine max Merr.). Martinez CJ, et al. Zentralbl Bakteriol [Naturwiss] 124:212-6, 1970
[The dynamics of the soil microflora after adding pesticides. VII. The effect of some fumigants on soil microorganisms. Naumann K. Zentralbl Bakteriol [Naturwiss] 125:478-91, 1970
The effect of manuring and fertilizing on the soil respiration. Novák B. Zentralbl Bakteriol [Naturwiss] 124:285-91, 1970
The effect of the clay content of some Dutch polder soils on the breakdown of organic material. Schreven A van. Zentralbl Bakteriol [Naturwiss] 124:319-27, 1970
Fixation of atmospheric nitrogen by the strains of Arthrobacter. Smyk B. Zentralbl Bakteriol [Naturwiss] 124:231-7, 1970
Rhizosphere microflora of leguminous plants. Taha SM, et al. Zentralbl Bakteriol [Naturwiss] 124:217-23, 1970
Effect of some rare elements on nitrification by nitrate-forming bacteria in soil suspension. Tandon SP, et al. Zentralbl Bakteriol [Naturwiss] 122:155-7, 1968
A comparison of rhizosphere floras in conifer beds treated with fungitoxicants. Vaartaja O, et al. Zentralbl Bakteriol [Naturwiss] 124:157-64, 1970
Studies in aerobic cellulose-decomposing bacteria. I. Evaluation of media for enumeration. Zayed MN, et al. Zentralbl Bakteriol [Naturwiss] 125:49-54, 1970
[Tolerance to sodium chloride of Azotobacter strains isolated from the Atlantic coastline soils] Fustec-Mathon E, et al. Ann Inst Pasteur (Paris) 119:498-511, Oct 70 (Fre)
[Pedobiologic study of 2 halomorphus soils (estuary of the Somme river and Chott El Djerid, South-Tunisia). 2. Methods. Microbiological results. Conclusions] Loquet M. Ann Inst Pasteur (Paris) 120:561-79, Apr 71 (Fre)
[Quantitative study of the Azotobacter population of soil by the immunofluorescence method] Ville RR de, et al. Ann Inst Pasteur (Paris) 119:492-7, Oct 70 (Fre)
[Specificity of the biosynthesis of certain vitamin factors in the rhizosphere of colza plantules (Brassica napus oleifera)] Blondeau R. Ann Inst Pasteur Lille 20:255-9, 1969 (Fre)
[Inoculation myxomatosis caused by the rabbit flea and myxomatosis from burrowing] Joubert L, et al. Bull Acad Vet Fr 42:93-101, Feb 69 (Fre)
[Keratinophilic telluric Gymnoascaceae from Senegal] Juminer B, et al. Bull Soc Pathol Exot 64:191-7, Mar-Apr 71 (Fre)
[Use of spontaneous mutants resistant to antibiotics for the ecological study of Rhizobium] Obaton MM. C R Acad Sci [D] (Paris) 272:2630-3, 17 May 71 (Fre)
[Comparative study of methods of isolation of actinophages from their natural habitats] Collard CA. C R Soc Biol (Paris) 164:485-8, 25 Sep 70 (Fre)
[Keratinophylic dermatophytes in the soil of cemeteries] Căpuşan I, et al. Mykosen 14:337-42, Jun 71 (Fre)
[Influence of light intensity and age of the plant on sulfate reduction in the rhizosphere of maize] Jacq V, et al. Zentralbl Bakteriol [Naturwiss] 125:661-9, 1970 (Fre)
[The behavior of Cryptococcus neoformans in soil. I. Occurrence in soil, survival in seasand, efficiency comparison of different demonstration methods] Böhm KH, et al. Mycopathol Mycol Appl 42:57-63, 28 Dec 70 (Ger)
[Dermatophyte flora of the soil of Asia Minor and Rhodes. Isolation of Trichophyton quinckeanum, Trichophyton terrestre, Chrysosporium keratinophilum and Chrysosporium inducum] Abou-Gabal M, et al. Mykosen 11:147-52, 1 Feb 68 (Ger)
[The vitality of saprophytic and pathogenic dermatophytes in natural biocenosis of the soil] Balabanoff VA, et al. Mykosen 13:145-54, 1 Mar 70 (Ger)
[Distribution of keratinophilic soil fungi in the Dresden area depending on the pH value of the site] Blaschke-Helmessen R. Mykosen 12:551-66, 1 Sep 69 (Ger)
[The dermatophyte flora of East Bohemia] Dvořák J, et al. Mykosen 12:183-90, 1 Mar 69 (Ger)
[Chrysosporium indicum-like fungi and Chrysosporium evolceanui from the soil of Cuba] Otčenášek M, et al. Mykosen 11:19-24, 1 Jan 68 (Ger)
[Microsporum gypseum, Trichophyton mentagrophytes "variatio asteroides" and Keratinomyces Ajelloi as typical keratin metabolizing soil parasites] Rieth H. Mykosen 11:909-10, 1 Dec 68 (Ger)
[The significance of griseofulvin and actidione resistance as a specific characteristic mark in keratinolytic fungi] Schönborn C. Mykosen 13:505-20, 1 Oct 70 (Ger)
[The occurrence of Chrysosporium keratinophilum (Frey) Carmichael and a thermophylic variant in soil and in animals] Schönborn C. Mykosen 11:847-64, 1 Dec 68 (Ger)
[The behavior of Cryptococcus neoformans in the soil. II. Long term studies of the survival time of Cryptococcus neoformans in artificially infected sand and garden soil under external environmental conditions] Weiland E. Mykosen 13:355-60, 1 Jul 70 (Ger)
[The behavior of various microorganism groups in humid and dry stored soils] Ahrens E, et al. Zentralbl Bakteriol [Naturwiss] 124:250-62, 1970 (Ger)
[Microbial decomposition of herbicides and their effect on the microflora of the soil] Beck T. Zentralbl Bakteriol [Naturwiss] 124:304-13, 1970 (Ger)
[Microbiological properties of a gneiss brown soil under deciduous and coniferous forest cover] Fiedler HJ, et al. Zentralbl Bakteriol [Naturwiss] 124:292-300, 1970 (Ger)
[Microbial decomposition of various fractions from plant material] Grabert D, et al. Zentralbl Bakteriol [Naturwiss] 124:399-411, 1970 (Ger)
[The effect of humus substances on the count of soil microorganisms in culture] Grunda B. Zentralbl Bakteriol [Naturwiss] 125:584-93, 1970 (Ger)
[Is the damage done to the soil microflora by seawater flodding the cause of persistent disturbances of the soil structure?] Harmsen GW. Zentralbl Bakteriol [Naturwiss] 124:369-75, 1970 (Ger)
[Studies of the reciprocal effect between soil reaction and microorganisms. 1. The change in the soil reaction by the microflora of the soil] Hirte W. Zentralbl Bakteriol [Naturwiss] 125:458-70, 1970 (Ger)
[Investigations on the interaction between soil reaction and microorganisms. 3. The effect of the pH-range on microorganisms] Hirte WF. Zentralbl Bakteriol [Naturwiss] 125:647-60, 1970 (Ger)
[Investigations on the interaction between soil reaction and microorganisms. 2. Relations between liming of soil and microorganisms] Hirte WF. Zentralbl Bakteriol [Naturwiss] 125:639-46, 1970 (Ger)
[The dependence of microbiological activity on the soil structure] Hulpoi N, et al. Zentralbl Bakteriol [Naturwiss] 124:279-84, 1970 (Ger)
[Mineralization intensity of nitrogen from urea and

urea-formaldehyde fertilizers in soils with different soil reaction and temperature] Knop K, et al. Zentralbl Bakteriol [Naturwiss] 124:532-40, 1970 (Ger)

[The use of cellophane foil for testing the reproduction capability of bacteria under edaphic influence] Krannich K. Zentralbl Bakteriol [Naturwiss] 122:177-80, 1968 (Ger)

[The importance of enzymes in judging the biological activity of the soil] Kunze C. Zentralbl Bakteriol [Naturwiss] 125:385-93, 1970 (118 ref.) (Ger)

[The effect of streptomycin and aromatic carbonic acid on the catalase activity in soil samples] Kunze C. Zentralbl Bakteriol [Naturwiss] 124:658-61, 1970 (Ger)

[Investigation of the influence of pesticides on soil microorganisms in pure cultures by means of a laboratory method] Langkramer O. Zentralbl Bakteriol [Naturwiss] 125:713-22, 1970 (Ger)

[Bacterial successions during decomposition of alfalfa, rye straw and corn roots] Mai H. Zentralbl Bakteriol [Naturwiss] 124:508-31, 1970 (Ger)

[Parasitic seedling diseases of forest trees and the soil fungi] Mańka K. Zentralbl Bakteriol [Naturwiss] 124:450-9, 1970 (Ger)

[Equipment for the promotion of germination of vine seeds (Vitis vinifera L.) with sterile surfaces under sterile conditions] Manninger E, et al. Zentralbl Bakteriol [Naturwiss] 125:675-7, 1970 (Ger)

[Synthesis of humic substances by Streptomyces aureus. 2. Behaviour of isolated fractions of humic substances during examination by absorption spectrography] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:150-61, 1970 (Ger)

[Synthesis of humic substances by Streptomyces aureus. 3. Chemical investigations on humic substances from organisms] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:162-9, 1970 (Ger)

[Synthesis of humic substance by Streptomyces aureus. I. Metabolic processes of Streptomyces aureus] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:85-99, 1970 (Ger)

[Synthesis of humic substance by Streptomyces aureus. 4. Comparison by infrared spectroscopy] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:438-47, 1970 (Ger)

[Synthesis of humic substance by Streptomyces aureus. 5. Investigations on filtrates of streptomycetes cultures, fractioned by Sephadex] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:448-57, 1970 (Ger)

[The setting free of lixiviatable nitrogen from ureaform by microorganisms] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 125:23-38, 1970 (Ger)

[The adsorption of soil bacteria on substrates with special reference to secondary clay minerals and ionic exchangers on the basis of artifical resin. 1] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 125:333-44, 1970 (Ger)

[The adsorption of soil bacteria on substrates with special reference to secondary clay minerals and ionic exchangers on the basis of artifical resin. 2] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 125:345-62, 1970 (Ger)

[Analytical study and microbiological testing of the technical NH3 "strong water" and its components] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 124:146-56, 1970 (Ger)

[Adsorption of soil bacteria to substrates (review)] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 124:271-8, 1970 (30 ref.) (Ger)

[On the dynamics of the microflora of the soil after the application of plant protectives. IV. Investigations on the effect of parathion-methyl on respiration and dehydrogenase activity of the soil] Naumann K. Zentralbl Bakteriol [Naturwiss] 125:119-33, 1970 (Ger)

[The dynamics of the soil microflora after adding pesticides. 8. Experiments with the defoliants sodiumtrichlorophenolate and sodiumethylxanthogenate] Naumann K. Zentralbl Bakteriol [Naturwiss] 125:492-504, 1970 (Ger)

[Dynamics of soil microlora after the application of insecticides. I. Field trials of the effect of methyl-parathion on the bacteria and actinomycetes population of the soil] Naumann K. Zentralbl Bakteriol [Naturwiss] 124:743-54, 1970 (Ger)

[Dynamics of soil microflora after the application of insecticides. II. The reaction of various physiological groups of soil bacteria to the appliction of methyl-parathion in the field] Naumann K. Zentralbl Bakteriol [Naturwiss] 124:755-65, 1970 (Ger)

[Intensity of microbial life as graduator of soil fertility] Nieschlag F. Zentralbl Bakteriol [Naturwiss] 124:301-3, 1970 (Ger)

[The determination of the biologic oxygen demand of grabage and garbage compost by means of Warburg apparatus] Niese G. Zentralbl Bakteriol [Naturwiss] 124:328-33, 1970 (Ger)

[Effect of increasing amount of nitrogen on the microbial transformation of straw in soil] Novák B. Zentralbl Bakteriol [Naturwiss] 125:263-72, 1970 (Ger)

[Respiration of soil samples amended with glucose and inorganic nitrogen] Novák B. Zentralbl Bakteriol [Naturwiss] 125:71-6, 1970 (Ger)

[Microbial formation of humus. 1. Hypothesis of the humus formation through the microbial action based on the relation of the matter and energetic metabolism of microflora] Novák B. Zentralbl Bakteriol [Naturwiss] 125:566-77, 1970 (Ger)

[Microbial formation of humus. 2. Methods] Novák B. Zentralbl Bakteriol [Naturwiss] 125:578-83, 1970 (Ger)

[Microbial formation of humus. 3. The effect of substrate on the humification] Novák B. Zentralbl Bakteriol [Naturwiss] 125:830-38, 1970 (Ger)

[Microbial formation of humus. 4. Anaerobic and aerobic processes in humification of stall manure in model experiments] Novák B. Zentralbl Bakteriol [Naturwiss] 126:48-62, 1971 (Ger)

[Microbial formation of humus. 5. Anaerobic and aerobic processes in the humification of model substrates] Novák B. Zentralbl Bakteriol [Naturwiss] 126:63-7, 1971 (Ger)

[Microbial formation of humus. 6. Anaerobic and aerobic processes in the rotting of stall manure] Novák B. Zentralbl Bakteriol [Naturwiss] 126:68-81, 1971 (Ger)

[Is there a correlation between iron-reducing and nitrate-reducing flora of the soil?] Ottow JC, et al. Zentralbl Bakteriol [Naturwiss] 124:314-8, 1970 (Ger)

[Biological effects of various synthetic soil conditioning chemicals] Palissa A, et al. Zentralbl Bakteriol [Naturwiss] 125:273-88, 1970 (Ger)

[Hygienic microbiological investigations with "Vitahum" composts] Parráková E, et al. Zentralbl Bakteriol [Naturwiss] 125:307-21, 1970 (Ger)

[Autolysis of soil fungi] Paul C. Zentralbl Bakteriol [Naturwiss] 124:673-83, 1970 (Ger)

[The effect of organic and mineral fertilizers on microbial and biochemical processes in soil] Pokorná-Kozová J, et al. Zentralbl Bakteriol [Naturwiss] 125:250-62, 1970 (Ger)

[The decomposition of cellulose by different manuring and fertilizing] Pokorná-Kozová J. Zentralbl Bakteriol [Naturwiss] 125:471-7, 1970 (Ger)

[Effect of several years of fertilization of fallow land on the decomposition of cellulose] Pokorná-Kozová J. Zentralbl Bakteriol [Naturwiss] 126:32-7, 1971 (Ger)

[Activity of soil enzymes as a component of the soil biological activity, specially with regard to the judgement about soil fertility, and aspects of the soil enzymatic research.] Rawald W. Zentralbl Bakteriol [Naturwiss] 125:363-84, 1970 (Ger)

[Effect of plants on phytopathogenic soil fungi. VI. Rhizoctonia solani Kühn] Seidel D. Zentralbl Bakteriol [Naturwiss] 124:546-51, 1970 (Ger)

[Effect of plants on phytopathogenic soil fungi. V. Fusarium oxysporum f. pisi Snyd. et Hans] Seidel D. Zentralbl Bakteriol [Naturwiss] 124:541-5, 1970 (Ger)

[Plants affecting the phytopathogenic soil fungi. 3. Helminthosporium sativum P., K. et B] Seidel D. Zentralbl Bakteriol [Naturwiss] 124:441-5, 1970 (Ger)

[Plants affecting the phytopathogenic fungi. IV. Fusarium solani f. pisi (Jones) Snyd. et Hans] Seidel D. Zentralbl Bakteriol [Naturwiss] 124:446-9, 1970 (Ger)

[Testing of pesticide effect on the mycorrhiza fungi in forest soils] Sobotka A. Zentralbl Bakteriol [Naturwiss] 125:723-30, 1970 (Ger)

[The effect of the depth of furrow on soil life. I. The effect of the deepening of the mould on soil life of pre-loamy and loamy sand soils] Steinbrenner K. Zentralbl Bakteriol [Naturwiss] 122:158-76, 1968 (Ger)

[Chemical methods of evaluation of quantitative occurrence of bacteria and algae in the soil] Steubing L. Zentralbl Bakteriol [Naturwiss] 124:245-9, 1970 (Ger)

[Estimating the density of bacteria populations with the fluorescence microscope] Stohr G. Zentralbl Bakteriol [Naturwiss] 125:415-25, 1970 (Ger)

[Experiments for isolating and cultivating mycobacteria, living in the soil. (Methodological article)] Szelényi F, et al. Zentralbl Bakteriol [Naturwiss] 125:54-70, 1970 (Ger)

[Survey of the microbe content of various soil types] Wolff-Straub R. Zentralbl Bakteriol [Naturwiss] 124:263-70, 1970 (20 ref.) (Ger)

[New possibilities of inactivation of Synchytrium endobiodicum (Schilb.) Perc. resting sporangia] Zakopal J. Zentralbl Bakteriol [Naturwiss] 125:505-14, 1970 (Ger)

[On the duration of survival of Escherichieae in nat-urally contaminated soil samples] Leonardopoulos J, et al. Zentralbl Bakteriol [Orig] 214:79-85, 1970 (Ger)

[Experimental study on Beijerinckia-Lipomyces synergism in nitrogen fixation] Florenzano G, et al. Ric Sci 38:1273-6, Dec 68 (Ita)

[Destruction of benzopyrenes by soil microflora] Khesina Ala, et al. Biull Eksp Biol Med 68:70-3, Oct 69 (Rus)

[New soil microorganism--Renobacter vaculatum gen. et sp. n.] Nikitin DI. Dokl Akad Nauk SSSR 198:447-8, 1971 (Rus)

[Metabolism of benz(a)pyrene by microflora of different soils and by individual species of microorganisms] Pogiazova MN, et al. Dokl Akad Nauk SSSR 198:1211-3, 1971 (Rus)

[Effect of dinitroorthocresol on the growth of some saprophytic and pathogenic microorganisms] Tarkov MI, et al. Gig Sanit 36:57-60, 1971 (Rus)

[Antarctic black yeast Nadsoniella nigra var. hesuelica (characteristics and identification of strain 365)] Liakh SP, et al. Izv Akad Nauk SSSR [Biol] 4:581-92, Jul-Aug 70 (Rus)

[Distribution and selection of active forms of yeasts of the genus Rhodotorula] Zhukova SV, et al. Izv Akad Nauk SSSR [Biol] 4:621-3, Jul-Aug 70 (Rus)

[Nuclease activity of thermophilic soil actinomycetes] Agre NS, et al. Mikrobiologiia 38:1085-90, Nov-Dec 69 (Rus)

[Distribution of hycrocarbon-oxidizing microorganisms in soils of the main Uzbekistan oil deposits] Andrusenko Mia, et al. Mikrobiologiia 38:873-7, Sep-Oct 69 (Rus)

[Effect of herbicides on nitrifying bacteria of sod-podzolic soils] Chunderova AI, et al. Mikrobiologiia 39:887-91, Sep-Oct 70 (Rus)

[New strains of viruses isolated from mold fungi of the Penicillium genus] Gauze GF, et al. Mikrobiologiia 40:540-3, May-Jun 71 (Rus)

[Actinomyces leucophaeus n. sp] Gesheva RL. Mikrobiologiia 38:1038-42, Nov-Dec 69 (Rus)

[Slime actinomycetes from Egyptian soils] Hussein A, et al. Mikrobiologiia 38:878-82, Sep-Oct 69 (Rus)

[4 new species of actinomycetes of the Actinosporangium genus] Hussein A, et al. Mikrobiologiia 38:1032-7, Nov-Dec 69 (Rus)

[Isolation and properties of microorganisms decomposing uric acid] Imšenecki AA, et al. Mikrobiologiia 39:805-11, Sep-Oct 70 (Rus)

[Decomposition of uric acid by aerobic bacteria isolated from soil] Imšenecki AA, et al. Mikrobiologiia 40:269-74, Mar-Apr 71 (Rus)

[Utilization of hydrocarbons by ray fungi] Krasil'nikov NA, et al. Mikrobiologiia 38:962-7, Nov-Dec 69 (Rus)

[Distribution of barotolerant microorganisms in soils] Kriss AE, et al. Mikrobiologiia 40:558-62, May-Jun 71 (Rus)

[Use of a medium containing chitin for isolation and counting actinomycetes from soil] Kuznetsov VD, et al. Mikrobiologiia 39:902-6, Sep-Oct 70 (Rus)

[Actinomycetes from genetic horizons of Estonian soils] Kuznetsov VD, et al. Mikrobiologiia 39:1095-101, Nov-Dec 70 (Rus)

[Methods of isolation and some biological peculiarities of microorganisms oxidizing gaseous hydrocarbons] Kvasnikov EI, et al. Mikrobiologiia 38:968-74, Nov-Dec 69 (Rus)

[Thermophilic aerobic spore-forming hydrocarbon-utilizing oligonitrophilic bacteria and their physiology] Kvasnikov EI, et al. Mikrobiologiia 40:509-16, May-Jun 71 (Rus)

[Fungi associated with bacteria oxidizing manganese] Mirchink TG, et al. Mikrobiologiia 39:379-83, Mar-Apr 70 (Rus)

[Detection and morphological-cultural characteristics of actinomyces from the Antarctic] Tsyganov VA, et al. Mikrobiologiia 39:821-6, Sep-Oct 70 (Rus)

[New forms of microorganisms and their distribution in natural peat] Volarovich MP, et al. Mikrobiologiia 39:488-94, May-Jun 70 (Rus)

[The search for producers of dicarbonic amino acids and their amides] Vuchetich I, et al. Mikrobiologiia 39:434-9, May-Jun 70 (Rus)

[The effect of the level of ground water on the processes of ammonification and nitrification of peat bog soil] Zimenko TG, et al. Mikrobiologiia 39:522-6, May-Jun 70 (Rus)

[Electron microscopic study of absorption of microorganisms on soil particles and minerals]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Zviagintsev DG, et al.
Mikrobiologiia 38:1091-5, Nov-Dec 69 (Rus)
[The effect of different soils on the viability of the causative agent of listeriosis] Gershun VI.
Veterinariia 1:32-3, Jan 71 (Rus)
[The role of regional ecologic factors in the epizootology of anthrax. II. A comparative method of evaluating the epizootologic intensity of the territory] Adamovich VL, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:113-7, Aug 70 (Rus)
[Distribution of Clostridium botulinum in Mendoza, Argentina] Giménez DF, et al.
Bol Of Sanit Panam 69:505-10, Dec 70 (Spa)
[Study of the aspects of soil pollution in relation to public health] Shuval HI.
Bol Of Sanit Panam 70:264-84, Mar 71 (Spa)
[Incidence of phosphate mineralizing microorganisms in cultivated and dry soils of Granada Province] Barea JM, et al. Microbiol Esp 23:149-56, Apr-Jun 70 (Spa)
[Contribution to the in vitro study of bacterial phosphate mineralization] Barea JM, et al.
Microbiol Esp 23:257-67 passim, Oct-Dec 70 (Spa)
[Amplitude of growth temperature in soil micromycete] Bilai TI, et al.
Mikrobiol Zh 33:30-4, 1971 (Ukr)
[Formation of vitamin B complex by actinomycetes, isolated from soils in the southern USSR] Kogan SB.
Mikrobiol Zh 32:726-30, Nov-Dec 70 (Ukr)
[Naphthalene oxidizing bacteria of the western Ukrainian oil deposits] Kvasnikov EI, et al.
Mikrobiol Zh 32:294-7, May-Jun 70 (Ukr)
[Oligonitrophilous microorganisms oxidizing hydrocarbons in soils of petroleum deposits] Kvasnikov EI, et al.
Mikrobiol Zh 32:719-21, Nov-Dec 70 (Ukr)
[The effect of substances mineralized in air tanks on vitamin B-12 formation by microorganisms in active silts] Lazurkevich ZV, et al.
Mikrobiol Zh 31:595-601, Nov-Dec 69 (Ukr)
[Effect o herbicides on the biological activity of the microflora of black earth soil] Mareshko MIa.
Mikrobiol Zh 31:525-9, Sep-Oct 69 (Ukr)
[The effect of the culture fluids and extracts of several soil bacteria on tobacco mosaic virus] Mil'chenko KP.
Mikrobiol Zh 31:356-60, Jul-Sep 69 (Ukr)
[Distribution of species of the genus Penicillium in the pine forest soil of the Central Woodlands of the Ukraine] Pidoplichko MM, et al.
Mikrobiol Zh 31:602-8, Nov-Dec 69 (Ukr)
[Aspergillus species from the soils of the Uraine] Pidoplichko NM, et al.
Mikrobiol Zh 31:449-53, Sep-Oct 69 (Ukr)
[Microflora of soils of vineyards] Popova KG.
Mikrobiol Zh 31:465-9, Sep-Oct 69 (Ukr)
[Nodule bacteria of fodder beans and lupine in cultivated soddy-podzol soils of the Woodlands of the UkrSSR] Prikhod'ko OI.
Mikrobiol Zh 31:326-8, Jul-Sep 69 (Ukr)
[The hydrolytic activity of actinomycetes in soil] Vladimirova OV.
Mikrobiol Zh 32:301-5, May-Jun 70 (Ukr)

DRUG EFFECTS

[Effect of linurone on microflora of chernozem with a low content of humus] Ulasevich II, et al.
Mikrobiol Zh 32:497-502, May-Jun 70 (Ukr)

INSTRUMENTATION

[Vessel for macrorespirometric measurement of soil samples] Novák B, et al.
Zentralbl Bakteriol [Naturwiss] 124:473-87, 1970 (Ger)

SOLANINE (D2, D11)

ANALYSIS

[Pharmacognostic study of the sprouts of potato Solanum tuberosum L. as the source for solanine] Pogorelova OV. Farmatsiia 17:27-33, Jul-Aug 68 (Rus)

PHARMACODYNAMICS

Pharmacology of solanine. Nishie K, et al.
Toxicol Appl Pharmacol 19:81-92, May 71

SOLAR PLEXUS see CELIAC PLEXUS (A8)

SOLDIERS see under MILITARY PERSONNEL (M)

SOLGANAL see under GOLD (D1)

SOLUBILITY (H)

Efficient and rapid solubilization of biological material. Stevens A, et al. Anal Biochem 37:1-10, Sep 70
Tissue cholesterol preservation: solubility of cholesterol digitonide in ethanol. Sterzing PR, et al.
Anat Rec 168:569-71, Dec 70
Preparation and characterization of isolubilized L-amino acid oxidase. Weetall HH, et al.
Biotechnol Bioeng 12:399-407, May 70
A system for the determination of liquid-gas partition coefficients using gas chromatography. Chaves-Chavarria R, et al. Br J Anaesth 42:804, Sep 70
Parenteral formulations. IV. Solubility considerations in developing a parenteral dosage form. Lin KS, et al.
Bull Parenter Drug Assoc 25:40-50, Jan-Feb 71
Solubility of skin collagen in normal human subjects and in patients with generalised scleroderma. Uitto J, et al. Clin Chim Acta 31:13-8, Jan 71
Solubilization of tricalcium phosphate by some soil fungi. Mehta YR, et al. Indian J Exp Biol 8:228-9, Jul 70
Interference of tissue solubilizers with liquid scintillation counting fluors. Dunn A.
Int J Appl Radiat Isot 22:212, Mar 71
Simple manometric apparatus for measuring partition coefficients of highly soluble gases. Bachofen H, et al.
J Appl Physiol 30:136-9, Jan 71
Analysis and solubility of dimethyl and diethyl ether in water, saline, oils, and blood. Brody AW, et al.
J Appl Physiol 31:125-31, Jul 71
Solubility of nitrous oxide in biologic fluid and myocardium. Kozam RL, et al.
J Appl Physiol 29:593-7, Nov 70
Glucosylation of teichoic acid: solubilization and partial characterization of the uridine diphosphoglucose: polyglyceroliteichoic acid glucosyl transferase from membranes of Bacillus subtilis. Brooks D, et al.
J Bacteriol 107:223-9, Jul 71
Solubility of a silicate cement. Pulver JC, et al.
J Dent Res 49:Suppl:1530-6, Nov-Dec 70
Conversion of soluble immune complexes into complement-fixing aggregates by IgM-rheumatoid factor. Tesar JT, et al. J Immunol 105:1206-14, Nov 70
The effects of temperature on the critical micelle concentrations of alkyl alpha-picolinium bromiees. Adderson JE, et al.
J Pharm Pharmacol 22:523-30, Jul 70
The effect of temperature on the solubilities of testosterone propionate in low polarity solvents. Bowen DB, et al.
J Pharm Pharmacol Suppl:104S+, Dec 70
An investigation of the distribution coefficients of some androgen esters using paper chromatography. Bowen DB, et al. J Pharm Pharmacol 22:518-22, Jul 70
An infrared study of solute-solvent interactions of testosterone propionate. James KC, et al.
J Pharm Pharmacol Suppl:109S+, Dec 70
Dissolution rate studies using the B.P. disintegration apparatus. Khalil SA, et al.
J Pharm Pharmacol 23:125-30, Feb 71
Aspirin dissolution: polymorphism, crystal habit or crystal defects. Mitchell AG, et al.
J Pharm Pharmacol 23:534-5, Jul 71
Interpretation of dissolution rate maxima: dependence upon tablet compression force. Smith HL, et al.
J Pharm Pharmacol 23:536-8, Jul 71
Solubility profiles for several barbiturates in hydroalcoholic mixtures. Breon TL, et al.
J Pharm Sci 59:1306-13, Sep 70
Phase diagram and dissolution-rate studies on sulfathiazole-urea solid dispersions. Chiou WL, et al.
J Pharm Sci 60:1333-8, Sep 71
Mechanism of increased rates of dissolution and oral absorption of chloramphenicol from chloramphenicol-urea solid dispersion system. Chiou WL. J Pharm Sci 60:1406-8, Sep 71
Application of molecular sieve technique in solubilization studies of benzoic acid in solutions of cetomacrogol 1000. Donbrow M, et al.
J Pharm Sci 59:1427-30, Oct 70
Factors influencing solvolysis of corticosteroid-21-phosphate esters. Flynn GL, et al.
J Pharm Sci 59:1433-8, Oct 70
Binding specificity between small organic solutes in aqueous solution: classification of some solutes into two groups according to binding tendencies. Higuchi T, et al. J Pharm Sci 59:1601-8, Nov 70
Salt effects in aqueous solutions of urea. Lindstrom RE, et al. J Pharm Sci 59:1625-30, Nov 70
Effect of macromolecules on aqueous solubility of cholesterol. Madan DK, et al.
J Pharm Sci 59:1362-3, Sep 70
pKa determinations utilizing solutions of 7-(2-hydroxypropyl)theophylline. Moulding HV, et al.
J Pharm Sci 60:309-11, Feb 71
Solubility of amino acids in mixed solvent systems. Needham TE Jr, et al. J Pharm Sci 60:258-60, Feb 71
Inhibited dissolution of drug crystals by certified water-soluble dyes. II. Piccolo J, et al.
J Pharm Sci 60:59-63, Jan 71
Dissolution behavior and solubility of anhydrous and dihydrate forms of Wy-4508, an aminoalicyclic penicillin. Poole JW, et al.
J Pharm Sci 59:1265-7, Sep 70
Solubility of alkyl benzoates. I. Effect of some alkyl p-hydroxybenzoates (parabens) on the solubility of benzyl p-hydroxybenzoate. Shihab F, et al.
J Pharm Sci 59:1574-7, Nov 70
Entropic factor in the solubility of small particles. Smolen VF, et al. J Pharm Sci 60:130-1, Jan 71
Rotating-flask method for dissolution-rate determinations of aspirin from various dosage forms. Weintraub H, et al. J Pharm Sci 59:1792-6, Dec 70
[Studies on solubilizing agents. 3. Properties of the mixtures of glycols and their derivatives with water. Kato Y. J Pharm Soc Jap 90:1464-6, Nov 70
Analysis of the association of two different monomers by combined colligative and solubility measurements. Steiner RF. J Theor Biol 28:185-93, Aug 70
Electron spin resonance studies of the solubilization of nitroxide spin probes by micellar solutions. Oakes J.
Nature (Lond) 231:38-9, 7 May 71
V. The rate of dissolution of dental silicate cement. Experiments in saliva. Eriksson SE, et al.
Odontol Revy 21:433-7, 1970
IV. The rate of dissolution of dental silicate cement. The effects of different organic acids. Eriksson SE.
Odontol Revy 21:309-18, 1970
3. The rate of dissolution of dental silicate cement. The errors of the method. Eriksson SE, et al.
Odontol Revy 21:199-206, 1970
Enzymatic method for the quantitative determination of factor. XIII. Application to a familial deficiency. Janssen CL, et al. Pathol Eur 5:315-30, 1970
A study of some factors affecting the in-vitro release of drug from prolonged release granulations. 2. Effect of dissolution retardant. Asker AF, et al.
Pharmazie 26:213-4, Apr 71
Radiation increases the solubility of L cell DNA in a detergent-based lysing system. Moss AJ Jr, et al.
Proc Soc Exp Biol Med 135:922-4, Dec 70
Salt extraction of soluble HL-A antigens. Reisfeld RA, et al. Science 172:1134-6, 11 Jun 71
The relation between formation of gallstones rich in cholesterol and the solubility of cholesterol in aqueos solutions of bile salts and lecithin. Dam H, et al.
Z Ernaehrungswiss 10:239-52, Apr 71
The solubility of cholesterol in aqueous solutions of bile salts and lecithin. Hegardt FG, et al.
Z Ernaehrungswiss 10:223-33, Apr 71
[Influence of adjuvants on the speed of dissolution and stability of acetylsalicylic acid in tablets. I. Effects of some disintegrating agents] Cid E, et al.
J Pharm Belg 26:38-48, Jan-Feb 71 (Fre)
[Amelioration and normalization of the rapidity of dissolution by microcrystallization: application to methylprednisolone] Moran I, et al.
J Pharm Belg 26:115-34, Mar-Apr 71 (Fre)
[Influence of the compression force on the dimension of particles of acetylsalicylic acid and their rapidity of dissolution] Cid E, et al.
Pharm Acta Helv 46:167-78, Mar 71 (Fre)
[Phenobarbital and hexobarbital solubility in relation to their biologic activity] Maher N, et al.
Rev Can Biol 30:45-9, Mar 71 (Fre)
[Analytic studies on rhodamine dyes. II. Solubility of rhodamines in organic solvents and gravimetric determination of the solution residues] Schmidt T.
Acta Histochem (Jena) 38:250-62, 1970 (Ger)
[Solubility of polycyclic hydrocarbons in serums] Obrikat H, et al.
Arch Geschwulstforsch 35:326-37, 1970 (Ger)
[Studies of 4 silicate cements on pressure stability and solubility pertaining to F.D.I.-specification no. 5 in various powder-solution combinations] Meyer E.
Dtsch Zahnaerztl Z 26:677-84, Jun 71 (Ger)
[Intermolecular interaction of folic acid with N-phthaloyl-DL-glutamic acid. Teratogenic effect of thalidomide] Eckert T, et al.
Experientia 27:671-2, Jun 71 (Ger)
[Solubilization of brain neuraminidase by proteolytic enzymes] Gielen W.
Experientia 26:954-6, 26 Sep 70 (Ger)
[Influence of air pressure and air content on the dissolution rate of compressed tablets] Hüttenrauch R, et al. Pharmazie 25:699-700, Nov 70 (Ger)
[Influencing the water solubility of caffeine. Influence of sodium salts on aliphatic acids] Schulte KE, et al.
Pharmazie 25:769-8, Dec 70 (Ger)
[Solubility of some alkaloid bases under the effect of Tween 80] Kittel D.
Acta Pharm Hung 40:285-6, Nov 70 (Hun)
[The role of solubility distribution in the releasing of active ingredients from suppositories] Mezey G, et al.
Acta Pharm Hung 40:200-4, 1970 (Hun)
[Studies on insoluble protein in cataractous lens] Yamamoto K, et al.
Folia Ophthalmol Jap 22:219-22, Apr 71 (Jap)
[Monoamine oxidase. 8. Solubilization and purification of monoamine oxidase of the pig kidney] Sho S, et al.
Folia Pharmacol Jap 66:442-8, 20 Jul 70 (Jap)
[Studies on solubilizing agents. II. Properties of the mixtures of glycols and their derivatives with water] Kato Y, et al. J Pharm Soc Jap 90:1187-92, Oct 70 (Jap)
[An attempt to solubilize liver microsomal P-450] Kitagawa H, et al.
J Pharm Soc Jap 91:294-5, Feb 71 (Jap)
[Solubility and hydrolysis rate of 1-monolaurin in aqueous solutions] Nakagaki M, et al.
J Pharm Soc Jap 90:1310-5, Oct 70 (Jap)
[Studies on complexes. XV. Solubilizing actions and quantum chemical properties of acid-amides] Samejima M, et al.
J Pharm Soc Jap 91:252-6, Feb 71 (Jap)
[Study of some physico-chemical properties of

novobiocin] Bakaeva RM, et al.
Antibiotiki 15:965-8, Nov 70 (Rus)
[Identification of antibacterial antibiotics mutabililicin and sporangiomycin] Frolova VI, et al.
Antibiotiki 16:204-7, Mar 71 (Rus)
[Comparative evaluation of different solvents for erythromycin] Kostareva MG, et al.
Antibiotiki 16:124-7, Feb 71 (Rus)
[Use of non-ionic surface-active agents and polyethylene oxide 400 as solvents for synthomycin, dibazol and furacillin] Dashevskaia BI, et al.
Farmatsiia 19:26-8, Nov-Dec 70 (Rus)
[Study of the solubilization of esantial oils] Gluxman MKh, et al. Farmatsiia 17:11-8, Jul-Aug 68 (Rus)
[Comparative toxicity of oil-soluble salts of dicyclohexylamine] Paustovskaia VV, et al.
Gig Sanit 35:109-11, Apr 70 (Rus)

INSTRUMENTATION

Simplified automatic determination of in vitro drug dissolution rates using direct concentration recording. Burger JM, et al.
J Pharm Sci 60:300-2, Feb 71

STANDARDS

Unexpected variable in the USP-NF rotating dissolution test. Beyer WF, et al.
J Pharm Sci 60:496-7, Mar 71

SOLUTIONS (D13)

Preparation of kidney transportation solution. Shukur M, et al. Am J Hosp Pharm 28:196-200, Mar 71
Nonspecific hypothermia caused by infusion of solutions into the nephrectomized rat. Nash HA, et al.
Am J Physiol 220:767-72, Mar 71
Fluid and electrolyte complications of peritoneal dialysis. Choice of dialysis solutions. Gault MH, et al.
Ann Intern Med 75:253-62, Aug 71
Choice of peritoneal dialysis solutions. Tenckhoff H.
Ann Intern Med 75:313-4, Aug 71
The absorption of phosgene by aqueous solutions and its relation to toxicity. Nash T, et al.
Ann Occup Hyg 14:227-33, Sep 71
48-hour storage of canine kidneys after brief perfusion with Collins' solution. Liu WP, et al.
Ann Surg 173:748-57, May 71
Aggregation of local anesthetics in solution. Johnson EM, et al. Biochem Pharmacol 18:2675-7, Oct 69
The role of diffusion in bimolecular solution kinetics. Schurr JM. Biophys J 10:700-16, Aug 70
Theory of interaction of polymer and small molecules which can aggregate in solution. Damle VN.
Biopolymers 9:1437-43, 1970
A mechanistic study of oxygen transfer in aqueous systems. Muchmore CB, et al.
Biotechnol Bioeng 13:271-92, Mar 71
Research committee reports. Studies on the efficiency of inert gas flushing techniques. Anschel J.
Bull Parenter Drug Assoc 25:68-72, Mar-Apr 71
Detection of particulate matter in parenteral solutions by image projection: A concept and its feasibility. Louer RC Jr, et al.
Bull Parenter Drug Assoc 25:54-64, Mar-Apr 71
The future impact of clinical pharmacy on parenteral drugs and the industry. Whitney HA Jr, et al.
Bull Parenter Drug Assoc 25:87-97, Mar-Apr 71
A comparison of the amounts and the antigenicity of polymeric materials formed in aqueous solution by some beta-lactam antibiotics. Smith H, et al.
Immunology 21:527-33, Sep 71
Dissolved CO2: determination in small sample volumes using the Scholander 0.5-ml analyzer. D'Aoust BG.
J Appl Physiol 30:142-5, Jan 71
Theoretical analysis of net tracer flux due to volume circulation in a membrane with pores of different sizes. Relation to solute drag model. Patlak CS, et al.
J Gen Physiol 57:113-24, Feb 71
Ionic aluminum (3) in generator eluate as an erythrocyte-agglutinating agent. Lin MS, et al.
J Nucl Med 12:297-9, Jun 71
Structural differences in solutions derived from polymorphic modifications of aspirin. Kildsig DO, et al. J Pharm Pharmacol 23:374-6, May 71
The protective effect of gallate antioxidants on emulsions and solutions of benzaldehyde. Nixon JR, et al. J Pharm Pharmacol 23:170-9, Mar 71
Stability and structure of some organic molecular complexes in aqueous solution. Cohen JL, et al.
J Pharm Sci 59:1271-6, Sep 70
Autotransfusion: urologic applications and the development of a modified irrigating fluid. Wilson JD, et al. J Urol 105:873-7, Jun 71
Organ preservation by Collins' solution. Abouna GM, et al. Lancet 1:1076, 22 May 71
Solutions for kidney preservation. Dempster WJ. Lancet 2:1086-7, 21 Nov 70
Inactivation of methicillin in dextrose solutions at alkaline pH. Lynn B. N Engl J Med 285:690, 16 Sep 71
The diffusion of carbon dioxide in erythrocytes and hemoglobin solutions. Gros G, et al.
Pfluegers Arch 324:249-66, 1971
Ventilation with synthetic fluids. Patel MM, et al.
Surg Clin North Am 51:25-36, Feb 71
[Preparation and use of solutions for extracorporeal dialysis] Jirka J, et al.
Cas Lek Cesk 110:421-3, Apr 71 (Cze)
[Preparation of homoeopathic stock tinctures] Wurmser L, et al.
Ann Pharm Fr 28:377-89, May 70 (Fre)
[Elution solutions for electrophoresis] Englhardt A.
Dtsch Med Wochenschr 95:2256, 30 Oct 70 (Ger)
[Significance of tissue fixation for the clinic] Moser R, et al. Med Lab (Stuttg) 23:79-85 concl, Apr 70 (Ger)
[Attempt at applying modern research methods as planning and control means in the preparation of infusion solutions in the pharmaceutic practice. Extract from the documentation of the 2d educational course for managers in the field of pharmacy and medical technology] Greulich J.
Pharm Prax 2:25-31, 1970 (Ger)
[Mould occurrence in syrup althaeae DAB7-GDR] Spieler C, et al. Pharm Prax 1:19-20, 1971 (Ger)
[Correlation between viscosity and concentration of water soluble cellulose ether] Reuter H, et al.
Pharmazie 25:759-62, Dec 70 (Ger)
[The perfusate in extracorporeal circulation] Trede M.
Thoraxchirurgie 17:379-88, Oct 69 (Ger)
[Fixation and positive contrast studies for the preparation of isolated ribosomes and their substructures] David H, et al.
Z Med Labortech 11:286-91, 1970 (Ger)
[Liquid-liquid dispersion on mechanical agitation. II. New measurement method of particle size] Kubo T, et al. J Pharm Soc Jap 91:518-21, May 71 (Jap)
[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al.
J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)
[Resistance of streptomycin in aqueous solutions] Kondrat'eva AP, et al.
Antibiotiki 15:722-7, Aug 70 (Rus)
[Steady-state volt-ampere characteristics and potassium permeability of Ranvier node membrane in solutions with varying potassium content] Mozhaeva GN. Biofizika 14:68-77, Jan-Feb 69 (Rus)
[Determination of bemegride in solution] Kotenko AM.
Farmatsiia 20:71-2, Mar-Apr 71 (Rus)
[Methods for examination of polymer materials, designed for the packing of injection solutions] Senov PL, et al. Farmatsiia 20:72-7, Jan-Feb 71 (Rus)
[Apparatus for filtration of solutions by means of vacuum pump] Donchenko F.
Farm Zh 25:89, 1970 (Ukr)
[Effect of some factors on the stability of oxacillin solutions] Novikevich AM.
Farm Zh 26:59-61, Jan-Feb 71 (Ukr)
[Apparatus for filtration of solutions working by means of water-jet pump] Stanislavs'kiĭ PL.
Farm Zh 25:88, 1970 (Ukr)
[Preparation of demineralized water for parenteral solutions] Pilipović I, et al.
Vojnosanit Pregl 27:333-5, Jul-Aug 70 (Cro)

ADMINISTRATION & DOSAGE

Experimental study on peritoneal dialysis using xylitol-containing solution. Yen TS.
J Formosan Med Assoc 69:292-304, 28 Jun 70

ANALYSIS

Algebraic extrapolation of tie lines in ternary phase diagrams. Schott H. J Pharm Sci 60:160-1, Jan 71
Interaction between aqueous preservative solutions and their plastic containers. II. McCarthy TJ.
Pharm Weekbl 105:1139-46, 2 Oct 70
An oxidation-distillation procedure for reclaiming osmium tetroxide from used fixative solutions. Jacobs GF, et al. Stain Technol 46:207-8, Jul 71
[Gas chromatographic determination of the water and ethanol content of tinctures] Huisman TJ, et al.
Pharm Weekbl 106:282-92, 19 Mar 71 (Dut)
[Biochemical research on organ preservation] Herfarth C, et al. Bull Soc Int Chir 30:1-7, Jan-Feb 71 (Ger)
[Use of ionization chamber for control of the specific activity of gas and liquids] Kaftal S, et al.
Minerva Fisiconucl 15:15-9, Jan-Mar 71 (Ita)
[Spectrophotometric method for the determination of the content of bruneomycin in culture fluid and solutions] Ponomarenko VI.
Antibiotiki 16:44-6, Jan 71 (Rus)
[Extraction of pilocarpine from aqueous solutions by organic solvents depending on the pH of the medium] Akopian OA, et al.
Farmatsiia 19:46-7, Jul-Aug 70 (Rus)
[Effect of medium pH and nature of organic solvents on the extraction of theobromine from aqueous solutions] Shkadova AI.
Farm Zh 26:69-70, Jan-Feb 71 (Ukr)

PHARMACODYNAMICS

Effect of solution environment on the absorption maxima of Schiff bases of retinal. Blatz PE, et al.
Photochem Photobiol 13:237-45, Mar 71

STANDARDS

Microbial content in a non-sterile concentrated haemodialysis solution. Fregersiev S.
Dan Tidsskr Farm 44:332-7, 1970
[Effect of gum on injection solutions. Foreign particles] Damme PA van.
Pharm Acta Helv 45:564-71, Sep 70 (Ger)
[Control for the absence of mechanical particles in injection solutions] Beskrovnyi RP.
Farmatsiia 20:59-61, Mar-Apr 71 (Rus)
[Evaluation of high polymer materials for the capping of injection solutions] Mironova VA.
Farmatsiia 18:31-6, May-Jun 69 (Rus)

SOLVENTS (D13)

Choice of solvent for analysis of conjugated and unconjugated Porter-Silber chromogens in urine of beagle dogs. Mitchell CE.
Am J Vet Res 31:1835-9, Oct 70
Rapid procedure for liquid scintillation counting of animal tissues using a nitric acid digestion procedure and a dioxane-based scintillator. Pfeffer M, et al.
Anal Biochem 39:46-53, Jan 71
The solution of erythrocyte membranes in organic solvents. Stoddart RW. Biochem J 120:30P-31P, Dec 70
Optical activity of insulin. II. Effect of nonaqueous solvents. Ettinger MJ, et al.
Biochemistry 10:831-40, 2 Mar 71
"Squiggle-H2O". An enquiry into the importance of solvation effects in phosphate ester and anhydride reactions. George P, et al.
Biochim Biophys Acta 223:1-15, 3 Nov 70
The extraction of acidic phospholipids in organic solvent mixtures containing water. Palmer FB.
Biochim Biophys Acta 231:134-44, 2 Feb 71
Electric and hydrodynamic properties of polypeptides in solution. II. Conformation of poly(L-glutamic acid) in various organic solvents. Matsumoto M, et al.
Biopolymers 9:1307-17, Nov 70
Repurification of dichloromethane used for extraction in fluorometric methods. Lever M.
Clin Chim Acta 31:291-3, Jan 71
Elimination of the acid fastness but not the gram positivity of leprosy bacilli after extraction with pyridine. Fisher CA, et al. J Bacteriol 106:707-8, May 71
Interaction of heavy meromyosin with substrate. IV. Studies on the tyrosine and tryptophan residues by solvent perturbation method. Shimizu T, et al.
J Biochem (Tokyo) 69:453-61, Mar 71
Coupling of solute and solvent flows in porous lipid bilayer membranes. Andreoli TE, et al.
J Gen Physiol 57:479-93, Apr 71
The efficacy of wax solvents: in vitro studies and a clinical trial. Fraser JG.
J Laryngol Otol 84:1055-64, Oct 70
Effects of solvent environment and mode of preparation on the physical properties of ribosomes fron Escherichia coli. Hill WE, et al.
J Mol Biol 53:107-21, 14 Oct 70
An infrared study of solute-solvent interactions of testosterone propionate. James KC, et al.
J Pharm Pharmacol Suppl:109S+, Dec 70
Thermodynamics of micellization of some non-ionic surfactants in mixed solvents. McDonald C.
J Pharm Pharmacol 22:774-7, Oct 70
Conformation of some acetylcholine analogs as solutes in deuterium oxide and other solvents. Casy AF, et al.
J Pharm Sci 60:67-73, Jan 71
Solubility relationships in urea-water systems. Lindstrom RE. J Pharm Sci 59:1695-6, Nov 70
Solubility of sodium salicylate in mixed solvent systems. Paruta AN, et al. J Pharm Sci 60:432-7, Mar 71
Inert organic liquid as a biological oxygen carrier. Malchesky PS, et al.
J Surg Res 10:559-70, Nov 70 (56 ref.)
Adaptor for collecting the top phase of a solvent mixture. Chahi JS. Lab Pract 19:1036, Oct 70
Solvophobic interactions and micelle formation in structure forming nonaqueous solvents. Ray A.
Nature (Lond) 231:313-5, 4 Jun 71
Characterisation of a lipoprotein fraction obtained from rat liver microsomes by treatment with isooctane. Scott-Burden T, et al.
S Afr J Med Sci 35:37-43, Jul 70
An exploration of joint toxic action. II. Equitoxic versus equivolume mixtures. Smyth HF Jr, et al.
Toxicol Appl Pharmacol 17:498-503, Sep 70
[Use of thermogravimetry in the study of the solvation of organic products of pharmaceutical importance] Hirtz J, et al. Ann Pharm Fr 26:749-58, 1968 (Fre)
[The organic solvents] Chalout L.
Can Psychiatr Assoc J 16:157-60, Apr 71 (26 ref.) (Fre)
[Determination of phenobarbital in suppositories in a non-aqueous medium] Résibois B, et al.
J Pharm Belg 25:343-56, Sep-Oct 70 (Fre)
[Analytic studies on rhodamine dyes. II. Solubility of rhodamines in organic solvents and gravimetric determination of the solution residues] Schmidt T.
Acta Histochem (Jena) 38:250-62, 1970 (Ger)
[Behavior of chlorinated hydrocarbon insecticides in organic solvents] Herzel F.
Arch Hyg Bakteriol 154:14-7, Jun 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Significance of blood alcohol determination after inspiration of solvent vapors] Kürzinger R, et al.
Dtsch Gesundheitsw 26:1395-400, 22 Jul 71 (Ger)
[UV-spectrophotometry in drug control. 9. Influence of substitution and solvents on the UV spectrophotometric reaction of drugs with 1.2.4-benzothiadiazine-1.1.-dioxide-chromophore] Kráčmar J, et al. Pharmazie 25:464-70, Aug 70 (Ger)
[UV-spectrophotometry in drug control. 10. Influence of the substitution and of the solvent on the UV-spectrophotometric behavior of drugs with naphthaline-chromophor] Kráčmar J, et al.
Pharmazie 26:155-62, Mar 71 (Ger)
[Studies of environmental pollution with solvents in automobile manufacturing plants and in metallic painting workshops] Vivoli G.
Riv Ital Ig 29:79-101, Jan-Apr 70 (Ita)
[Comparative evaluation of different solvents for erythromycin] Kostareva MG, et al.
Antibiotiki 16:124-7, Feb 71 (Rus)
[Temperature quenching of the triplet state of porphyrins. I. Effect of solvent and oxygen] Sibel'dina LA, et al. Biofizika 15:816-21, Sep-Oct 70 (Rus)
[Extraction of pilocarpine from aqueous solutions by organic solvents depending on the pH of the medium] Akopian OA, et al.
Farmatsiia 19:46-7, Jul-Aug 70 (Rus)
[Dissociation constants of the weak organic bases in acetone] Evstratova KI, et al.
Farmatsiia 17:33-6, Jul-Aug 68 (Rus)
[Determination of cyqualone by the method of titration innon-aqueous solvents] Georgievskif VP, et al.
Farmatsiia 20:48-9, 1971 (Rus)
[Conditions for papaverine extraction from aqueous solutions by organic solvents depending on the pH of the medium] Shvydkif BI, et al.
Farmatsiia 20:49-51, 1971 (Rus)
[Conditions for extraction of ethylmorphine from aqueous solutions by organic solvents depending on the pH of the medium] Shvydkif BI, et al.
Farmatsiia 20:38-41, Mar-Apr 71 (Rus)
[Polyols-pharmaceutical and toxicological characteristics. I] Dominguez-Gil A, et al.
Farmaco [Prat] 26:394-404, Jul 71 (Spa)
[Determination of amidopyrine by methods of direct and differential spectrophotometry in different solvents] Belikov VG, et al.
Farm Zh 25:30-4, 1970 (Ukr)
[Extraction of hexobarbital by organic solvents] Shcherbina OM, et al.
Farm Zh 26:76-7, Jan-Feb 71 (Ukr)
[Effect of medium pH and nature of organic solvents on the extraction of theobromine from aqueous solutions] Shkadova AI.
Farm Zh 26:69-70, Jan-Feb 71 (Ukr)

ANALYSIS

Solvent vapor analysis using activated charcoal tubes. Sadenwasser JL.
Am Ind Hyg Assoc J 31:533-4, Jul-Aug 70
Solvent water for electrolytes in the muscle fiber of the giant barnacle. Hinke JA.
J Gen Physiol 56:521-41, Oct 70
[Content of 3,4-benzopyrene in organic solvents and perfection of the method for determining carcinogenic substances] Fedonin VF, et al.
Gig Sanit 35:78-80, Apr 70 (Rus)

METABOLISM

The influence of submaximal work on solvent uptake. Zenz C, et al. J Occup Med 12:367-9, Sep 70
[1st results of the study of metabolism in rabbits of an industrial solvent: the isophorone] Dutertre-Catella H, et al.
C R Acad Sci [D] (Paris) 271:1333-6, 12 Oct 70 (Fre)
[Metabolism of tetrachloro 1,1,1,2-ethane] Phu-Lich N, et al.
C R Acad Sci [D] (Paris) 272:1173-6, 22 Feb 71 (Fre)

PHARMACODYNAMICS

The fate of adenovirus type 7 deosyribonucleic acid during treatment of the virus with formamide. Neurath AR, et al.
Arch Gesamte Virusforsch 32:116-24, 1970
Respiratory and hypnotic effects of nitrazepam, diazepam and pentobarbitone and their solvents in the rabbit and the mouse. Bradshaw EG, et al.
Br J Anaesth 43:637-43, Jul 71
Studies on continuous enzyme reactions. VII. Activation of water-insoluble aminoacylase by protein denaturing agents. Tosa T, et al.
Enzymologia 40:49-63, 31 Jan 71
Specificity in steroid histochemistry, with special reference to the use of steroid solvents. Distribution of 11-beta-Hydroxysteroiddehydrogenase in kidney and thymus from the mouse. Hoyer PE, et al.
Histochemie 24:292-306, 1970
The effect of solvents on the potency of chlordiazepoxide, diazepam, medazepam and nitrazepam. Crankshaw DP, et al.
J Pharm Pharmacol 23:313-21, May 71
Behavior of erythrocytes in various solvent systems. VI. Water-tetramethylurea. Cadwallader DE, et al.
J Pharm Sci 59:1243-5, Sep 70
Inotropic actions of dipolar aprotic solvents. Spilker B.
J Pharmacol Exp Ther 175:361-7, Nov 70
Permeation of dry seeds with chemicals: use of dichloromethane. Meyer H, et al.
Science 171:583-4, 12 Feb 71
[Is N,N,N,N,N,N-hexamethyiphosphoric acid triamide (HMPT) suitable as universal solvent in testing of antifungal qualities] Lührs K.
Mykosen 13:279-82, 1 May 70 (Ger)
[The effect of various organic solvents on the growth of bacteria] Patsch R, et al.
Z Allg Mikrobiol 11:49-56, 1971 (Ger)

POISONING

Ethylene chlorohydrin intoxication with fatality. Miller V, et al. Arch Dis Child 45:589-90, Aug 70
Instant benzol death. Tauber JB.
J Occup Med 12:520-3, Dec 70
[Pulmonary elimination of toxic substances. Measurement and toxological applications] Pebay-Peyroula F, et al.
Poumon Coeur 26:853-66, 1970 (Fre)
[Acute poisonings in industrial environments by solvents] Vincent V.
Rev Lyon Med 19:Suppl:113-4, 1970 (Fre)
[First aid directives following ingestion of cleaning agents and detergents] Gloxhuber C.
Z Allgemeinmed 47:168-72, 31 Jul 71 (Ger)
[A neurophysiological study of thinner intoxication] Izumi T, et al.
Psychiatr Neurol Jap 73:99-119, Feb 71 (Jap)

RADIATION EFFECTS

[Method for elimination of the solvent scattering component in x-ray and neutron smal angle scattering erified with heoglobin solutions] Schneider R, et al.
Hoppe Seylers Z Physiol Chem 351:1499-502, Dec 70 (Ger)

STANDARDS

[Characteristics of the determination of streptomycin and neomycin in blood serum by the agar diffusion method] Kivman GIa, et al.
Antibiotiki 16:331-5, 1971 (Rus)

THERAPEUTIC USE

Instrumental chemolysis of renal calculi: indications and dangers. Mischol HR, et al.
J Urol 105:607-10, May 71

TOXICITY

Intravenous infusion of renacidin in dogs. Rosen DI, et al. Invest Urol 9:31-3, Jul 71
[Industrial hygienic-toxicological evaluation of the solvent B20 (mainly 2-ethyl butyl acetate)] Grigorowa R, et al. Z Gesamte Hyg 17:95-8, Feb 71 (Ger)
[Industrial hygienic-toxicological evaluation of tetrachloroethyl butyrate] Schmidt P.
Z Gesamte Hyg 17:93-5, Feb 71 (Ger)

SOMA see CARISOPRODOL (D5)

SOMATOSENSORY CORTEX (A8)

Multisensory projection areas and association phenomena] Albe-Fessard D.
Zh Vyssh Nerv Deiat 21:509-13, 1971 (55 ref.) (Rus)

ANATOMY & HISTOLOGY

An anatomical study of converging sensory pathways within the cerebral cortex of the monkey. Jones EG, et al. Brain 93:793-820, 1970
The cortico-striate projection in the monkey. Kemp JM, et al. Brain 93:525-46, 1970
Homotopic and nonhomotopic interhemispheric cortical projections in the squirrel monkey. Boyd EH, et al. Exp Neurol 32:256-74, Aug 71
[Callosal connections of the posterior sigmoid gyrus of the cat brain] Kosareva VZ.
Arkh Anat Gistol Embriol 58:40-3, Nov 70 (Rus)
[Thalamocortical projections to 2 somatosensory regions of the cortex] Khorenian DV.
Biull Eksp Biol Med 71:15-8, Apr 71 (Rus)
[Morphology of the connections between the thalamus ventrobasal omplex and the 1st and 2d somatosensory zones of the cortex] Ermolaeva VIu.
Dokl Akad Nauk SSSR 196:716-9, 21 May 71 (Rus)
[Interzonal relationships between the 1st and 2d somatosensory zones (SI, SII) of the cat brain (morphological and electrophysiological study)] Ermolaeva VIu. Fiziol Zh SSSR 57:202-12, Feb 71 (Rus)
[Morphology and electrophysiologic characteristics of the comissural connections between the 1st and 2d somatosensory zones (SI and SII) of the cat cerebral cortex] Ermolaeva VIu.
Fiziol Zh SSSR 57:348-57, Mar 71 (Rus)
[Morphology and topography of afferent connections of the somatosensory cortical zones S1 and S2 in the cat] Ermolaeva VIu.
Zh Vyssh Nerv Deiat 21:803-11, May-Jun 71 (Rus)

CYTOLOGY

Diameters of callosal fibers interconnecting cat sensorimotor cortex. Naito H, et al.
Brain Res 27:369-72, 2 Apr 71
The cytoarchitecture of somatic sensory-motor cortex in the opossum (Didelphis marsupialis virginiana): a Golgi study. Walsh TM, et al. J Anat 107:1-18, Jul 70
[Comparative evaluation of the cytoarchitectonics in the region of representation of fore- and hindlimbs in the cat somatosensory cortex] Eliseeva ZV.
Dokl Akad Nauk SSSR 194:743-6, 21 Jan 69 (Rus)

GROWTH & DEVELOPMENT

[The influence of the intensity of proprioceptive stimulation on the parameters of evoked potentials in the sensory-motor cortex in rabbits during ontogenesis] Shimko IA.
Zh Vyssh Nerv Deiat 21:514-22, 1971 (Rus)

PHYSIOLOGY

The thalamocortical system as a neuronal machine: the interaction of ventrolateral nucleus with sensorimotor cortex in the cat. Johnson RN, et al.
Brain Res 18:319-39, 3 Mar 70
Somatosensory evoked responses in the mesencephalic central gray matter of the rat. Liebeskind JC, et al.
Brain Res 27:133-51, 19 Mar 71
Microelectrode delineation of fine grain somatotopic organization of (SmI) cerebral neocortex in albino rat. Welker C. Brain Res 26:259-75, 5 Mar 71
Sensory examinations using electrically induced somatosensory potentials. Blair AW.
Dev Med Child Neurol 13:447-55, Aug 71
Determination of peripheral sensory nerve conduction velocities in man from stimulus response delays of the cortical evoked potentials. Ball GJ, et al.
Electroencephalogr Clin Neurophysiol 30:409-14, May 71
Somatomotor and visceromotor correlates of operantly conditioned 12-14 C-SEC sensorimotor cortical activity. Chase MH, et al.
Electroencephalogr Clin Neurophysiol 31:85-92, Jul 71
Habituation and dishabituation of the human vertex response. Fruhstorfer H.
Electroencephalogr Clin Neurophysiol 30:306-12, Apr 71
The effect of aging on the wave form of the somatosensory cortical evoked potential. Lüders H.
Electroencephalogr Clin Neurophysiol 29:450-60, Nov 70
Homotopic and nonhomotopic interhemispheric cortical projections in the squirrel monkey. Boyd EH, et al. Exp Neurol 32:256-74, Aug 71
Influence of sensorimotor cortices on lateral reticular nucleus cells. Crichlow EC.
Exp Neurol 32:184-94, Aug 71
Cerebellar effects on the cerebrum. A microelectrical analysis of somatosensory cortex. Snider RS, et al.
Int J Neurol 7:141-51, 1970
Somatotopic organization of spider monkey somatic sensory cerebral cortex. Pubols BH Jr, et al.
J Comp Neurol 141:63-75, Jan 71
Somatotopic organization and response properties of neurons of the ventrobasal complex in the opossum. Sousa AP, et al. J Comp Neurol 142:231-47, Jun 71
Effect of attention modification by television viewing on somatosensory evoked responses and recovery functions. Shagass C, et al.
J Nerv Ment Dis 152:53-62, Jan 71
Effects of two tetrahydrocannabinols and of pentobarbital on cortico-cortical evoked responses in the squirrel monkey. Boyd E, et al.
J Pharmacol Exp Ther 176:480-8, Feb 71
Mass and unitary activity in and around the primary somatosensory area in cats. Holmes O, et al.
J Physiol (Lond) 217:45P-46P, Aug 71
Projection from low-threshold muscle afferents of hand and forearm to area 3a of baboon's cortex. Phillips CG, et al. J Physiol (Lond) 210:59P-60P, Sep 70
Post-natal changes in the somaesthetic evoked potentials in the albino rat. Thairu BK.
Nature [New Biol] 231:30-1, 5 May 71
Somatosensory system: organizational hierarchy from single units in monkey area 5. Duffy FH, et al.
Science 172:273-5, 16 Apr 71
[Studies on the efferences from the nucleus medialis of the thalamus to the cortex and strio-pallidal structures in cats] Bénita M, et al.
Exp Brain Res 12:204-22, 25 Feb 71 (Fre)
[Study of the somesthesic pathway by double shock, during postnatal development of rabbits] Briquel F.
J Physiol (Paris) 63:20A-21A, Mar-Apr 71 (Fre)
[Electrocortical rhythm of motionless wakefulness in normal monkeys. Phylogenetic perspectives]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Charlopin N, et al.
J Physiol (Paris) 63:25A, Mar-Apr 71 (Fre)
[Microphysiologic study of cortical projections of vagal origin in cats. Effect of vagal stimulation on unit activity of the anterior suprasylvian gyrus] Mei N, et al. J Physiol (Paris) 62:Suppl 3:412, 1970 (Fre)
[Changes in the evoked and spontaneous brain activity of man during extracranial polarization] Pfurtscheller G.
Z Gesamte Exp Med 152:284-93, 23 Aug 70 (Ger)
[Pain pathway from the tooth pulp to the somatosensory cortex and effects of morphine and barbiturates on the cortical response evoked by the stimulation of the pulp in rats] Shigenaga Y.
Folia Pharmacol Jap 67:22-39, Jan 71 (Jap)
[Mathematical model of an evoked potential] Golovchinskiĭ VB, et al.
Biofizika 14:521-9, May-Jun 69 (Rus)
[Interaction of certain kinds of evoked potentials in the somatosensory projection zones of the cat brain cortex] Bashkirov AA.
Dokl Akad Nauk SSSR 188:946-9, Oct 69 (Rus)
[An instance of functional interrelationships of cortical neurons] Durinian RA.
Dokl Akad Nauk SSSR 184:739-42, 21 Jan 69 (Rus)
[Evoked potentials of the fields of primary somatosensory projections at the dorsolateral surface of the cerebral cortex in cats] Kalistratov GF.
Dokl Akad Nauk SSSR 187:689-92, 21 Jun 69 (Rus)
[Origin and functional significance of the 1st evoked potentials of the cerebral cortex] Kullanda KM.
Dokl Akad Nauk SSSR 187:220-3, 1 Jul 69 (Rus)
[Interrelation of the activity of adjacent neurons in the cat somatosensory cortex] Mel'nichuk PV, et al.
Dokl Akad Nauk SSSR 198:1471-3, 1971 (Rus)
[Nature of rapid potential fluctuations in intrazonal responses of the somatosensory cortex] Rabin AG.
Dokl Akad Nauk SSSR 190:740-3, 21 Jan 70 (Rus)
[Neuronal activity in the cerebello-thalamo-cortical regulatory system] Afrapetian AA, et al.
Fiziol Zh SSSR 56:527-34, Apr 70 (Rus)
[The inhibitory effect of the caudate nucleus on the electrical activity of sensory-motor cortex neurons] Arushanian EB, et al.
Fiziol Zh SSSR 56:1111-7, Aug 70 (Rus)
[Interzonal relationships between the 1st and 2d somatosensory zones (SI, SII) of the cat brain (morphological and electrophysiological study)] Ermolaeva VIu. Fiziol Zh SSSR 57:202-12, Feb 71 (Rus)
[Morphology and electrophysiologic characteristics of the comissural connections between the 1st and 2d somatosensory zones (SI and SII) of the cat cerebral cortex] Ermolaeva VIu.
Fiziol Zh SSSR 57:348-57, Mar 71 (Rus)
[Dynamics of evoked potentials in the somatosensory system] Golovchinskiĭ VB, et al.
Fiziol Zh SSSR 56:1337-43, Oct 70 (Rus)
[A comparative study of the neuronal reactions of the paleo- and neo-cortex of the guinea pig brain] Shliafer TP. Fiziol Zh SSSR 56:318-23, Mar 70 (Rus)
[Neuron activity in the somatosensory area of the rat cerebral cortex subjected to the action of static electric fields] Shliafer TP, et al.
Fiziol Zh SSSR 56:1689-93, Dec 70 (Rus)
[Prolonged periodic phenomena in the brain during elaboration of a conditioned defense reflex] Aladzhalova NA, et al.
Zh Vyssh Nerv Deiat 21:27-34, Jan-Feb 71 (Rus)
[The polysensory properties of rabbit sensory-motor cortex neurons in early ontogensis] Farber DA, et al.
Zh Vyssh Nerv Deiat 20:628-36, Jul-Aug 70 (Rus)
[Conditioned reflex reorganization of evoked potentials in cortical projection of an unconditioned stimulus during elaboration of a defense reflex to the surroundings] Romanovskaia EA.
Zh Vyssh Nerv Deiat 21:76-82, Jan-Feb 71 (Rus)
[The effect of removal of individual portions of the neocortex on the course of motor alimentary conditioned reflexes, the functional morphologic state of cortical neurons] Shliafer TP, et al.
Zh Vyssh Nerv Deiat 21:47-53, Jan-Feb 71 (Rus)
[Differences in the dynamics of the neuronal responses of the rabbit somatosensory cortex to tactile stimulation of the paw and head] Trubachev VV.
Zh Vyssh Nerv Deiat 20:1283-9, Nov-Dec 70 (Rus)
[Changes in sensory after-discharge to light during elaboration of a classic defensive conditioned reflex] Varga ME, et al.
Zh Vyssh Nerv Deiat 20:975-81, Sep-Oct 70 (Rus)
[Synaptic processes in lumbar motoneurons induced by stimulation of the sensorimotor area of the cerebral cortex] Vasilenko DA, et al.
Zh Vyssh Nerv Deiat 16:52-61, Jan-Feb 66 (Rus)
[The phasic character of cortical neuron reactions and its functional significance for the transmission of excitation in afferent systems] Vasilevskiĭ NN, et al.
Zh Vyssh Nerv Deiat 20:621-7, Jul-Aug 70 (Rus)

PHYSIOPATHOLOGY

Rhythmic unit firing in the precentral cortex in relation with postural tremor in a deafferented limb. Joffroy AJ, et al. Brain Res 27:386-9, 2 Apr 71
Sensory evoked responses with unilateral electroconvulsive treatment. Small JG, et al.
Electroencephalogr Clin Neurophysiol 30:164, Feb 71
Somatosensory and visual evoked potentials in hyperthyroidism. Takahashi K, et al.
Electroencephalogr Clin Neurophysiol 29:551-6, Dec 70
Changes in the somatosensory cortical evoked potential produced by hypovolemic shock. McCutcheon EP, et al.
Proc Soc Exp Biol Med 136:1063-7, Apr 71

SOMATOTROPIN (D8)

Human growth hormone: current knowledge regarding its role in normal and abnormal metabolic states. Raiti S, et al. Adv Pediatr 17:99-123, 1970 (106 ref.)
Serum phospholipid levels in growth hormone deficient children. Theodoridis CG, et al.
Arch Dis Child 45:715, Oct 70
Structure and synthesis of biologically active peptides derived from pituitary growth hormone. Bornstein J, et al.
Biochem Biophys Res Commun 42:252-8, 22 Jan 71
Bovine growth hormone: evidence for two allelic forms. Seavey BK, et al.
Biochem Biophys Res Commun 43:189-95, 2 Apr 71
H-exchange behaviour and extent of reversible conformation changes in human, bovine, ovine, porcine and equine growth hormones. Cambiaso CL, et al. Biochim Biophys Acta 221:290-6, 17 Nov 70
Kinetic study of the deamidation of growth hormone and prolactin. Lewis UJ, et al.
Biochim Biophys Acta 214:498-508, 29 Sep 70
Human pituitary growth hormone. XXVII. Reaction with tetranitromethane. Ma L, et al.
Biochim Biophys Acta 229:444-50, 16 Feb 71
Circular dichroism studies of biologically active growth hormone preparations. Sonenberg M, et al.
Biochim Biophys Acta 229:88-101, 19 Jan 71
Some immunological properties of rabbit antiserum to mouse growth hormone. Kosugiyama M, et al.
Endocrinol Jap 17:349-54, Oct 70
Induction of sulfation factor activity infection of hypophysectomized rats with Spirometra mansonoides. Garland JT, et al.
Endocrinology 88:924-7, Apr 71
Structural studies on ovine growth hormone. Cyanogen bromide fragments: N- and C-terminal sequences. Peña C, et al. Eur J Biochem 17:27-31, Nov 70
The effect ofgrowth hormone on DNA synthesis in rat spleen. Fast DK, et al. Exp Cell Res 62:441-6, Oct 70
Stimulation of RNA polymerase activity by histones, polyamino acids, and polypeptide hormones. Konishi G, et al. Experientia 27:262-4, 15 Mar 71
Effects of pH and protein concentration on the molecular weight of human chorionic somatomammotropin. Neri P, et al.
Ital J Biochem 19:111-7, Mar-Apr 70
The properties of bovine growth hormone. IV. Circular dichroism of native and iodinated molecules. Edelhoch H, et al. J Biol Chem 245:4199-203, 25 Aug 70
Antibodies to porcine growth hormone induced by treatment with human growth hormone. Murthy G, et al. J Clin Endocrinol Metab 32:641-6, May 71
The antigenicity of human chorionic somato-mammotrophin and human growth hormone in the rhesus monkey (Macaca mulatta). Beck JS, et al.
J Endocrinol 49:683-91, Apr 71
Revised primary structure for human growth hormone. Niall HD. Nature [New Biol] 230:90-1, 17 Mar 71
Where the hormones.
Nature [New Biol] 230:65, 17 Mar 71
[Aspects of somatotropin secretion in the course of hypercorticism] Giordano G, et al.
Arch E Maragliano Patol Clin 26:379-91, Nov-Dec 70 (Ita)
[Localization of anti-GH antibodies in vitro and in vivo in the rat] Russolo M, et al.
Boll Soc Ital Biol Sper 46:569-72, 30 Jun 70 (Ita)

ADMINISTRATION & DOSAGE

Effect of intravenous administration of human growth hormone on sulphation factor activity in serum of hypopituitary subjects. Hall K.
Acta Endocrinol (Kbh) 66:491-7, Mar 71
The influence of HGH administration on the metabolism of fasting obese patients. Schwarz F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:200, 1971
Pituitary dwarfism: treatment with human growth hormone. Hall K, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:73+, 1970
Studies in 80 per cent pancreatectomized rats of the synergistic interaction of growth hormone, ACTH and the glucocorticoids (corticosterone, cortisol, prednisone and dexamethasone) as diabetogenic agents. Bates RW, et al.
Endocrinology 88:1429-36, Jun 71
Effects of hypophysectomy and hormone substitution on packed-cell volume in chickens. Farrington AJ, et al. Poult Sci 50:649-51, Mar 71
[Experiences in treating pseudoarthrosis with Sotropin H] Nuschenpickel H.
Beitr Orthop Traumatol 18:85-7, 1971 (Ger)

ADVERSE EFFECTS

Incidence and effects on growth of antibodies to human growth hormone. Chalkley SR, et al.
Arch Dis Child 46:160-6, Apr 71

ANALYSIS

An electron microscopic study of normal and neoplastic acidophil cells of the rat pituitary. Schelin U, et al.
Acta Endocrinol (Kbh) 67:29-39, May 71
Radioimmunoassay of human growth hormone using a charcoal-dextran separation procedure. Virasoro E, et al. Clin Chim Acta 31:294-7, Jan 71
Growth hormone in delayed fracture union. Misol S, et al. Clin Orthop 74:206-8, Jan 71
Purification and characterization of growth hormone from dog pituitary glands. Hashimoto C, et al.
Endocrinology 88:881-9, Apr 71
Early localization of 125-I-labelled human growth hormone in adrenals and other organs of immature hypophysectomized rats. Mayberry HE, et al.
Endocrinology 88:1309-17, Jun 71
Evaluation of somatotropic activity using the NEFA mobilization test and radioimmunologic estimation of plasma HGH. Studies on 43 children with short stature. Mancuso G, et al.
Folia Endocrinol (Roma) 23:60-79, Feb 70
Immunological studies with rat pituitary growth hormone (RGH). II. Comparative immunochemical investigation of GH from representatives of various vertebrate classes with monkey antiserum to RGH. Hayashida T. Gen Comp Endocrinol 15:432-52, Dec 70
Characterization by polyacrylamide gel electrophoresis of human growth hormone produced in tissue culture. Kohler PO, et al.
J Clin Endocrinol Metab 32:70-6, Jan 71
Classic bioassay statistical procedures applied to radioimmunoassay of bovine thyrotropin, growth hormone and prolactin. Vivian SR, et al.
J Clin Endocrinol Metab 33:225-33, Aug 71
Human growth hormone in cultures of human pituitary tumors. Batzdorf U, et al. J Neurosurg 34:741-8, Jun 71
The effects of hypophysial portal plasma on the content of immunoreactive growth hormone in the anterior pituitary. Buse MG, et al.
J Physiol (Lond) 206:243-56, Feb 70
Distribution of prolactin and growth hormone in rat and guinea pig adenohypophyses. Vodian MA.
Life Sci [I] 9:443-9, 15 Apr 70
Existence of a linear log dose response in the bioassay for a hypothalamic somatotrophin stimulating factor as based on rat pituitary somatotrophin content. Parkhie MR, et al. Neuroendocrinology 8:1-9, 1971
Interactions of the pineal gland, blinding, and underfeeding on reproductive organ size and radioimmunoassayable growth hormone. Sorrentino S Jr, et al. Neuroendocrinology 7:105-15, 1971
Sequences of pituitary and placental lactogenic and growth hormones: evolution from a primordial peptide by gene reduplication. Niall HD, et al.
Proc Natl Acad Sci USA 68:866-70, Apr 71
Circadian pattern of bioassayable and radioimmunoassayable growth hormone in the pituitary of female rats. Muller EE, et al.
Proc Soc Exp Biol Med 135:934-9, Dec 70
Primary structure of the human chorionic somatomammotropin (HCS) molecule. Li CH, et al.
Science 173:56-8, 2 Jul 71
[Radioimmunological determination of human somatotropin] Guenezan J, et al.
C R Soc Biol (Paris) 164:1099-104, 1970 (Fre)
[Human growth hormone determination by double antibody radioimmunoassay and its clinical application] Sack J, et al.
Harefuah 78:591-3, 15 Jun 70 (Heb)
[The human growth hormone. V. Na-I 131 labeling, purification and specific activity calculation] Simionescu L, et al.
Stud Cercet Endocrinol 22:57-66, 1971 (Rum)
[Analysis of various problems of the radioimmunological method for measuring growth hormone] Youlton R, et al.
Rev Med Chil 99:572-6, Aug 71 (Spa)

ANTAGONISTS & INHIBITORS

Inhibitory effect of beta-hydroxybutyrate on lipolysis stimulated by dihydroergotamine and growth hormone in vitro. Hotta N, et al.
Can J Physiol Pharmacol 49:87-91, Jan 71
Inhibition by theophylline of the stimulatory effects of growth hormone on amino acid transport and protein synthesis in muscle. Payne SG, et al.
Endocrinology 87:1186-91, Dec 70
[Values of inhibitory factor in children treated with corticosteroids] Cífková-Pšafovicov, et al.
Bratisl Lek Listy 54:658-61, Dec 70 (Cze)
[3,5-Dimethylisoxazole and exogenously stimulated lipolysis. 1. Influence of 3,5-dimethylisoxazole on adrenaline and human growth hormone increased levels of fatty acids in the plasma and of the blood sugar] Tragl KH, et al.
Arzneim Forsch 20:1806-8, Nov 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BIOSYNTHESIS

Biosynthesis of monkey growth hormone and prolactin in vitro. Friesen HG, et al. Endocrinology 88:1353-62, Jun 71

Growth in suspension culture of rat pituitary cells which produce growth hormone and prolactin. Bancroft FC, et al. Exp Cell Res 64:125-8, Jan 71

Solid-phase synthesis and bioassay by tibia test of monotetracontapeptide 81-121 and of ditriacontapeptide 122-153 of human growth hormone. Chillemi F, et al. Experientia 27:385-6, 15 Apr 71

The biosynthesis of human growth hormone and prolactin. Friesen H, et al. J Clin Endocrinol Metab 31:611-24, Dec 70

Biosynthesis of human growth hormone and prolactin by normal pituitary glands and pituitary adenomas. Hwang P, et al. J Clin Endocrinol Metab 33:1-7, Jul 71

Effect of insulin on growth hormone (GH) induction by cortisol in rat pituitary tumor cells. Vanha-Perttula T, et al. Life Sci [II] 9:805-13, 22 Jul 70

Prolactin and growth hormone production as influenced by catecholamines and agents that affect brain catecholamines. MacLeod RM, et al. Neuroendocrinology 6:283-94, 1970

Pineal regulation of growth hormone synthesis and release in blinded and blinded-anosmic male rats. Sorrentino S Jr, et al. Neuroendocrinology 7:210-8, 1971

Effects of gold thioglucose and bipiperidyl mustard on pituitary prolactin and growth hormone content of C3H mice. Sinha YN, et al. Proc Soc Exp Biol Med 136:830-3, Mar 71

Effect of lipids on growth hormone synthesis by isolated pituitaries. Taylor LM, et al. Proc Soc Exp Biol Med 137:1026-8, Jul 71

Effect of starvation on pituitary and plasma growth hormone in rats. Trenkle A. Proc Soc Exp Biol Med 135:77-80, Oct 70

Ultrastructure of STH cells of the pars distalis of hepatectomized mice. Llanos JM, et al. Z Zellforsch Mikrosk Anat 113:29-38, 1971

[Current knowledge on the growth hormone and its methods for its assessment] De Toni E, et al. Minerva Pediatr 21:1209-17, 7 Jul 69 (Ita)

BLOOD

Spontaneous variations in serum growth hormone levels. Buckler JM. Acta Endocrinol (Kbh) 65:342-51, Oct 70

Effect of intravenous administration of human growth hormone on sulphation factor activity in serum of hypopituitary subjects. Hall K. Acta Endocrinol (Kbh) 66:491-7, Mar 71

Effects of synthetic pyroglutamyl-histidyl-proline-amide on serum levels of thyrotrophin, cortisol, growth hormone, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Karlberg B, et al. Acta Endocrinol (Kbh) 67:288-302, Jun 71

Changes in plasma growth hormone and insulin of the human foetus following hysterotomy. Turner RC, et al. Acta Endocrinol (Kbh) 66:577-86, Apr 71

Cortisol secretion during the normal menstrual cycle. Aubert ML, et al. Acta Endocrinol [Suppl] (Kbh) 155:78, 1971

Hormone levels in diabetic and non-diabetic pregnancy. Büber V, et al. Acta Endocrinol [Suppl] (Kbh) 155:185, 1971

Alterations of maternal and fetal serum concentrations of HCG, HPL, STH and TSH after delivery. Geiger W. Acta Endocrinol [Suppl] (Kbh) 152:39, 1971

Effects of synthetic TRH on serum levels of HTSH, cortisol, STH, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Karlberg B, et al. Acta Endocrinol [Suppl] (Kbh) 155:7, 1971

Insulin dependent diabetes mellitus and HGH, TSH in serum following thyrotrophin releasing factor (TRF). Raptis S, et al. Acta Endocrinol [Suppl] (Kbh) 155:182, 1971

Assessment of the somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone and other parameters. Rohde W, et al. Acta Endocrinol [Suppl] (Kbh) 155:46, 1971

Thyrotrophin (TSH), human growth hormone (HGH) in hypothyroid patients and patients with endocrine ophthalmopathy after TRF injection. Rothenbuchner G, et al. Acta Endocrinol [Suppl] (Kbh) 155:2, 1971

Plasma insulin, growth hormone and placental lactogen levels in normal and abnormal pregnancies. Spellacy WN. Acta Endocrinol [Suppl] (Kbh) 155:82, 1971

Variable effects of different dosages of 6-dehydro-16-methylencortisol (ST-C-407 "Merck") on hypoglycaemic reaction of blood-11-OCS & STH. Winkler GK, et al. Acta Endocrinol [Suppl] (Kbh) 155:164, 1971

Plasma growth hormone and hypertrophic osteoarthropathy in carcinoma of the bronchus. Dupont B, et al. Acta Med Scand 188:25-30, Jul-Aug 70

The Prader test and plasma HGH in children with short stature. Engleson G, et al. Acta Paediatr Scand 60:108, Jan 71

Correlation of gestational age with maternal human chorionic somatomammotropin and maternal and fetal growth hormone plasma concentrations during labor. Cramer DW, et al. Am J Obstet Gynecol 109:849-55, 15 Feb 71

Patterns of insulin, growth hormone, and placental lactogen release after protein and glucose-protein ingestion in pregnancy. Tyson JE, et al. Am J Obstet Gynecol 110:934-42, 1 Aug 71

Comparison of serum growth hormone levels after Bovril and insulin stimulation. Grant DB, et al. Arch Dis Child 45:544-6, Aug 70

Metabolic and hormonal responses to oral amino acids in infantile malnutrition. Milner RD. Arch Dis Child 46:301-5, Jun 71

Growth hormone response to oral glucose load in untreated diabetic children. Theodoridis CG, et al. Arch Dis Child 46:117-9, Feb 71

Fasting growth hormone in treated diabetic children. Theodoridis CG, et al. Arch Dis Child 45:720-1, Oct 70

Dietary regulation of plasma insulin and growth hormone concentrations in sheep. Bassett JM, et al. Aust J Biol Sci 24:321-30, Apr 71

The effects of glucagon on plasma concentrations of insulin, growth hormone, glucose, and free fatty acids in sheep: comparison with the effects of catecholamines. Bassett JM. Aust J Biol Sci 24:311-20, Apr 71

Slow wave sleep deprivation in relation to plasma growth hormone concentration. Karacan I, et al. Behav Neuropsychiatry 2:11-4, Feb-Mar 71

Insulin, growth hormone and corticosteroids in neonatal lambs. Normal concentrations and the effects of gold. Bassett JM, et al. Biol Neonate 17:112-25, 1971

Effects of neuroleptanaesthesia on plasma levels of growth hormone and insulin. Oyama T, et al. Br J Anaesth 42:1105-12, Dec 70

Effects of halothane anaesthesia and surgery on human growth hormone and insulin levels in plasma. Oyama T, et al. Br J Anaesth 43:573-80, Jun 71

Growth hormone in infant malnutrition: the arginine test in marasmus and kwashiorkor. Beas F, et al. Br J Nutr 26:169-75, Sep 71

Optimization of radioimmunoassay for human growth hormone by the charcoal-dextran technique. Meek JC, et al. Clin Chem 16:845-8, Oct 70

Effects of standard intravenous insulin tolerance tests on growth hormone, 11-hydroxycorticosteroids, free fatty acids and plasma sugar in myxoedema. Vince FP, et al. Clin Sci 39:17P-18P, Dec 70

Diurnal serum growth hormone levels in poorly and well-controlled juvenile diabetics. Johansen K, et al. Diabetes 20:239-45, Apr 71

Metabolic effects of weight loss in obese subjects. Changes in plasma substrate levels, insulin and growth hormone responses. Kalkhoff RK, et al. Diabetes 20:83-91, Feb 71

Effects of synthetic thyrotropin-releasing hormone on plasma thyrotropin, growth hormone and insulin levels in man. Saito S, et al. Endocrinol Jap 17:101-8, Feb 71

Serum insulin and growth hormone response to hemorrhagic shock. Cerchio GM, et al. Endocrinology 88:138-43, Jan 71

Plasma growth hormone responses to intrapituitary injections of growth hormone releasing factor (GRF) in the rat. Frohman LA, et al. Endocrinology 88:1483-8, Jun 71

Immunoassay of plasma growth hormone in cats following fasting and administration of insulin, arginine, 2-deoxyglucose and hypothalamic extract. Kokka N, et al. Endocrinology 88:359-66, Feb 71

Ineffectiveness of hypoglycemia, cold exposure and fasting in stimulating GH secretion in the mouse. Müller EE, et al. Endocrinology 88:345-50, Feb 71

Radioimmunoassay for canine growth hormone. Tsushima T, et al. Endocrinology 89:685-93, Sep 71

Medroxyprogesterone acetate and carbohydrate metabolism: measurement of glucose, insulin, and growth hormone during 6 months' time. Spellacy WN, et al. Fertil Steril 21:457-63, Jun 70

Effect of synthetic "thyrotropin-releasing factor" on plasma levels of thyrotropin and growth hormone in healthy subjects and patients with hyperthyroidism or primary hypothyroidism. Mühlen A von zur, et al. Ger Med Mon 1:1-2, Spring 71

Serum growth hormone levels in swine. Siers DG, et al. Growth 34:419-30, Dec 70

Plasma growth hormone determination in the Silver-Russell syndrome. Eeckels R, et al. Helv Paediatr Acta 25:363-70, Oct 70

Mammotropic and somatotropic hormones in sera of normal rats and in rats bearing primary and grafted pituitary tumors. Ito A, et al. Int J Cancer 7:416-29, 15 May 71

Influences of age, breed and sex on plasma hormones in cattle. Irvin R, et al. J Anim Sci 32:292-5, Feb 71

Influence of live weight, age and sex on circulating growth hormone levels in swine. Siers DG, et al. J Anim Sci 32:1229-32, Jun 71

Effect of diet upon levels of plasma growth hormone in sheep. Trenkle A. J Anim Sci 32:111-4, Jan 71

Acute effects of cold on blood levels of growth hormone, cortisol, and thyrotropin in man. Golstein-Golaire J, et al. J Appl Physiol 29:622-6, Nov 70

Metabolic and thermal responses to Piromen in man. Davidson MB, et al. J Clin Endocrinol Metab 32:179-87, Feb 71

Behavioral state, sleep stage and growth hormone levels in human infants. Finkelstein JW, et al. J Clin Endocrinol Metab 32:368-71, Mar 71

Growth hormone and cortisol responses to insulin-induced hypoglycemia in thyrotoxicosis. Giustina G, et al. J Clin Endocrinol Metab 32:571-4, Apr 71

Studies on the cross-reaction between human growth hormone and human chorionic somatomammotropin in radioimmunoassay systems. Grant DB, et al. J Clin Endocrinol Metab 32:88-93, Jan 71

A combined immunoassay of human growth hormone and insulin: cumulative assessment of assay performance. Juan C, et al. J Clin Endocrinol Metab 33:150-2, Jul 71

Determination of integrated plasma concentrations and true secretion rates of human growth hormone. Kowarski A, et al. J Clin Endocrinol Metab 32:356-60, Mar 71

Variable response of plasma GH in acromegalic patients treated with medroxyprogesterone acetate. Malarkey WB, et al. J Clin Endocrinol Metab 33:424-31, Sep 71

Effect of propranolol on the response of serum growth hormone to glucagon. Mitchell ML, et al. J Clin Endocrinol Metab 32:470-5, Apr 71

Growth hormone and glucose interrelationships in diabetes: studies of inadvertent hypoglycemic episodes during continuous blood glucose analysis. Molnar GD, et al. J Clin Endocrinol Metab 32:428-37, Mar 71

Effect of dexamethasone on plasma growth hormone levels in acromegaly. Nakagawa K, et al. J Clin Endocrinol Metab 31:502-6, Nov 70

The response of human adrenocorticotrophic hormone and growth hormone to surgical stress. Newsome HH, et al. J Clin Endocrinol Metab 33:481-7, Sep 71

Mathematical analysis of kinetics of radioligand assays: improved sensitivity obtained by delayed addition of labeled ligand. Rodbard D, et al. J Clin Endocrinol Metab 33:343-55, Aug 71

Lack of response of serum growth hormone to metyrapone. Sawin CT, et al. J Clin Endocrinol Metab 32:854-6, Jun 71

Further purification and characterization of sulfation factor and thymidine factor from acromegalic plasma. Van Wyk JJ, et al. J Clin Endocrinol Metab 32:389-403, Mar 71

Measurement of human growth hormone in pregnancy and correlation with human placental lactogen. Varma SK, et al. J Clin Endocrinol Metab 32:328-32, Mar 71

The effect of administration of human growth hormone on the plasma growth hormone, cortisol, glucose, and free fatty acid response to insulin: evidence for growth hormone autoregulation in man. Abrams RL, et al. J Clin Invest 50:940-50, Apr 71

Normalization of growth hormone hyperresponse to exercise in juvenile diabetics after "normalization" of blood sugar. Hansen AP. J Clin Invest 50:1806-11, Sep 71

Effect of adrenergic-blocking or -stimulating agents on plasma growth hormone, immunoreactive insulin, and blood free fatty acid levels in man. Imura H, et al. J Clin Invest 50:1069-79, May 71

Growth hormone, insulin, and glucose in suckling, weanling, and mature ruminants. Stern JS, et al. J Dairy Sci 54:1052-9, Jul 71

The plasma growth hormone concentration of the foetal lamb. Bassett JM, et al. J Endocrinol 48:251-63, Oct 70

Pituitary function after yttrium implants as measured by plasma growth hormone levels. Stewart HJ, et al. J Endocrinol 50:41-50, May 71

The response of plasma sugar, free fatty acids, 11-hydroxycorticosteroids and growth hormone to insulin-induced hypoglycaemia and vasopressin in primary myxoedema. Vince FP, et al. J Endocrinol 48:389-400, Nov 70

Hormone and amino acid levels in altered nutritional states. Adibi SA, et al. J Lab Clin Med 76:722-32, Nov 70

The relationship between exercise, body temperature and plasma growth hormone levels in a human subject. Buckler JM. J Physiol (Lond) 214:25P-26P, Apr 71

Coronary-prone individuals (type A behavior pattern). Growth hormone responses. Friedman M, et al. JAMA 217:929-32, 16 Aug 71

Spontaneous burned-out acromegaly with preservation of normal human growth hormone responses: diagnostic, historical, theoretical, and treatment aspects. Ewer RW, et al. Johns Hopkins Med J 127:199-212, Oct 70

Raised nyctohemeral (night and day) growth hormone: levels in conditions with primordial short stature. Gotlin RW, et al. Lancet 1:826-7, 27 Mar 71

Hormone levels in men with extra Y chromosomes. Lundberg PO, et al. Lancet 2:1133, 28 Nov 70

Plasma-11-hydroxycorticosteroid and growth-hormone levels in climbers. MacInnes C, et al. Lancet 1:49-51, 9 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Growth hormone in XYY men. Nielsen J, et al. Lancet 2:1363, 26 Dec 70
The effects of acute uremia on plasma glucose, insulin and growth hormone in the rat. Nitzan M, et al. Life Sci [II] 10:671-6, 22 Jun 71
Effects of alcohol ingestion on growth hormone levels: their relation to 11-hydroxycorticoid levels and serum FFA. Bellet S, et al. Metabolism 20:762-9, Aug 71
Effect of nicotinic acid administaation on plasma HGH, FFA and glucose in obese subjects and in hypopituitary patients. Irie M, et al. Metabolism 19:972-9, Nov 70
Influence of adrenergic receptor stimulation on glucose metabolism during starvation in man: effects on circulating levels of insulin growth hormone and free fatty acids. Misbin RI, et al. Metabolism 20:544-54, Jun 71
A comparison of response of serum growth hormone to glucagon and vasopressin. Sawin CT, et al. Metabolism 19:898-903, Oct 70
Implications of growth hormone release in sleep. VanderLaan WP, et al. Metabolism 19:891-7, Oct 70
Dwarfism with elevated levels of plasma growth hormone. Najjar SS, et al. N Engl J Med 284:809-12, 15 Apr 71
Effect of chlorpromazine on serum growth-hormone concentration in man. Sherman L, et al. N Engl J Med 284:72-4, 14 Jan 71
Adrenergic blockade and the corticosteroid and growth hormone responses to methylamphetamine. Rees L, et al. Nature (Lond) 228:565-6, 7 Nov 70
Plasma growth hormone responses to electrical stimulation of the hypothalamus in the rat. Bernardis LL, et al. Neuroendocrinology 7:193-201, 1971
Effect of lesion size in the ventromedial hypothalamus on growth hormone and insulin levels in weanling rats. Bernardis LL, et al. Neuroendocrinology 6:319-28, 1970
Growth hormone levels in normoglycemic and hypoglycemic infants born small for gestational age. Humbert JR, et al. Pediatrics 48:190-9, Aug 71
Growth hormone in newborn infants during sleep-wake periods. Shaywitz BA, et al. Pediatrics 48:103-9, Jul 71
Plasma growth-hormone response to glucocorticoids in diabetics. Meek JC, et al. Proc Soc Exp Biol Med 135:123-6, Oct 70
Influence of blood glucose levels on growth hormone secretion in sheep. Trenkle A. Proc Soc Exp Biol Med 136:51-5, Jan 71
Psychologic correlates of growth hormone and adrenal secretory responses of patients undergoing cardiac catheterization. Greene WA, et al. Psychosom Med 32:599-614, Nov-Dec 70
Radioimmunoassay of human chorionic somatomammatropin (HCS) plasma levels in normal and abnormal pregnancies. Haour F, et al. Rev Eur Etud Clin Biol 16:124-30, Feb 71
Growth hormone in uremia. I. Plasma growth hormone, insulin and glucagon after oral and intravenous glucose in uremic subjects. Orskov H, et al. Scand J Clin Lab Invest 27:51-60, Feb 71
Prolactin: evidence that it is separate from growth hormone in human blood. Frantz AG, et al. Science 170:745-7, 13 Nov 70
[Diabetic angiopathy] Lundbaek K. Tidsskr Nor Laegeforen 91:1314-5, 20 Nov 71 (Dan)
[Growth hormone and delay in length growth] Brande JV van den, et al. Ned Tijdschr Geneeskd 115:353-4, 20 Feb 71 (Dut)
[Growth retardation] Wolter R. Acta Paediatr Belg 24:223-30, 1970 (Fre)
[Plasma growth hormone and hypothyroidism in children. Influence of treatment on the response to stimulation. Study of 11 children] David M, et al. Ann Pediatr (Paris) 17:100-10, 2 Feb 70 (Fre)
[Plasmatic growth hormone in hypothalamic tumors with cachexia (Russel's syndrome) and thinness] Jaquet P, et al. Ann Pediatr (Paris) 18:73, 2 Jan 71 (Fre)
[Initial hypoglycemic manifestations in a familial form of isolated somatotropin deficiency] Royer P, et al. Ann Pediatr (Paris) 17:828-36, 2 Nov 70 (Fre)
[Isolated and sporadic growth hormone insufficiency] Job JC, et al. Arch Fr Pediatr 27:713-32, 1970 (Fre)
[Statistical interpretation of tests of the stimulation of secretion of growth-hormone by insulin and arginine] Job JC, et al. Arch Fr Pediatr 28:505-20, May 71 (Fre)
[Comparison between various stimulation tests used for the study of somatotropic function in children] Donnadieu M, et al. Pathol Biol (Paris) 19:293-301, Mar 71 (Fre)
[Determination of growth hormone in normal and pathologic children] Mariani R, et al. Pediatrie 25:783-9, Oct-Nov 70 (Fre)
[Determination of growth hormone during congenital primary hypothyroidism in children] Ponté C, et al. Pediatrie 25:843-54, Dec 70 (Fre)
[Plasma growth hormone and hypothyroidism in children. Influence of treatment of the response to stimulation. Study of 11 children] David M, et al. Therapeutique 47:147-56, Feb 71 (Fre)
[Missing stimulation of STH secretion by glucagon i.v. in normal, adipose, and diabetic adults] Quabbe HJ, et al. Acta Endocrinol [Suppl] (Kbh) 152:8, 1971 (Ger)
[H-TSH, thyroxine, HGH, insulin and glucose in the blood after administration of synthetic thyrotropin releasing hormone] Wagner H, et al. Acta Endocrinol [Suppl] (Kbh) 152:80, 1971 (Ger)
[Growth hormone and growth disorders] Schröder KE. Dtsch Med J 22:155-60, 20 Mar 71 (Ger)
[Effect of synthetic "thyreotropin releasing factor" on the plasma levels of thyreotropic hormone and growth hormone in healthy subjects, in patients with hyperthyreosis and primary hypothyreosis] Mühlen A von zur, et al. Dtsch Med Wochenschr 95:3623-4, 25 Dec 70 (Ger)
[Glucose loading and arginine infusions in newborn infants. Effect on growth hormone, blood sugar, fatty acids and glycerin] Stubbe P, et al. Klin Wochenschr 48:918-23, 1 Aug 70 (Ger)
[Radioimmunologic determination of human growth hormones (STH) in the serum of 62 patients with acromegaly] Hackenberg K, et al. Verh Dtsch Ges Inn Med 75:769-71, 1969 (Ger)
[Serum insulin and growth hormone during glucose loading in liver cirrhosis] Schatz H, et al. Wien Z Inn Med 52:41-8, 1971 (Ger)
[Somatotropinemia after administration of insulin and arginine in some pathological conditions] Cicognani A, et al. Clin Pediatr (Bologna) 52:222-34, May 70 (Ita)
[Aspects of blood sugar regulation in obese children (behavior of blood sugar, insulin, somatotropin and cortisol in various experimental conditions)] Tassoni P, et al. Clin Pediatr (Bologna) 52:205-14, May 70 (Ita)
[Familial juvenile acromegalic syndrome accompanied by abnormal somatotropin metabolism] Conti C, et al. Folia Endocrinol (Roma) 23:241-51, Jun 70 (Ita)
[Glucagon, somatotropin and insulin in the blood in the late hypoglycemic syndrome of gastrectomized patients] Fallucca F, et al. Folia Endocrinol (Roma) 23:197-205, Apr 70 (Ita)
[Aspects of hormone increase in insulinomas. Behavior of insulin, glucagon and somatotropin in the blood] Menzinger G, et al. Folia Endocrinol (Roma) 23:200-12, Apr 70 (Ita)
[Daily variations of blood somatotropin in children] Vigneri R, et al. Folia Endocrinol (Roma) 23:504-12, Oct 70 (Ita)
[Determination of the somatotropic hormone (HGH) in the diagnosis of hypopituitarism] Del Guercio MJ, et al. Minerva Pediatr 22:1017-21, 19 May 70 (Ita)
[Study on the growth hormone secretion in diabetic retinopathy. 3. Alteration of serum insulin secretion in relation to diabetic retinopathy and growth hormone] Takeo K. Acta Soc Ophthalmol Jap 75:543-54, 20 Jan 71 (Jap)
[Changes of plasma growth hormone level in normal and hypersomnic patients during nocturnal sleep] Takahashi K, et al. Adv Neurol Sci (Tokyo) 14:743-54, Apr 71 (Jap)
[Radioimmunoassay of human growth hormone by enzyme proteolysis] Takahara J, et al. Folia Endocrinol Jap 46:1180-9, 20 Mar 71 (Jap)
[Clinical studies on pituitary growth hormone. II. On the serum level in normal subjects and patients with various disorders] Isobe I. Jap Arch Intern Med 17:253-69, Sep 70 (Jap)
[Clinical studies of pituitary growth hormone. I. On assay system of serum human growth hormone level using radioimmunoassay] Isobe I. Jap Arch Intern Med 17:187-93, Aug 70 (Jap)
[Effects of thiopental-nitrous oxide anesthesia and surgical stress on plasma human growth hormone and insulin levels] Takiguchi M, et al. Jap J Anesthesiol 19:1444-8, Dec 70 (Jap)
[Effect of droperidol-pentazocine-nitrous oxide anesthesia and surgical stress on the levels of HGH and insulin in the blood] Takiguchi M, et al. Jap J Anesthesiol 20:227-34, Mar 71 (Jap)
[Growth hormone--how to read its figures] Shizume K. Jap J Clin Med 29:Suppl:521-6, Jan 71 (40 ref.) (Jap)
[Methods and application of growth hormone determination] Kumahara Y, et al. Jap J Clin Pathol 19:322-5, May 71 (Jap)
[Responses of plasma cortisol, human growth hormone and insulin following intravenous administration of (gly-l)-ACTH(1-18)-octadecapeptide amide (50022-S)] Asaoka K, et al. Saishin Igaku 26:615-21, Mar 71 (Jap)
[Effect of neuroleptanesthesia and surgical stress on the concentration of growth hormone and insulin in the human blood] Takiguchi M, et al. Surg Ther (Osaka) 24:577-84, May 71 (Jap)
[Determination of human growth hormone by the double-antibody radioimmunoassay] Schiller B, et al. Endokrynol Pol 22:1-14, Jan-Feb 71 (Pol)
[Radioimmune determination of somatotropic hormone in human blood using immunosorbents] Bobrov IuF, et al. Lab Delo 2:70-3, 1971 (Rus)
[Growth hormone. I. Radioimmunoassay] Parra-Covarrubias A. Gac Med Mex 101:591-606, May 71 (Spa)

CHEMICAL SYNTHESIS

Human growth hormone. Parsons JA. Br Med J 2:465, 22 May 71
Human growth hormone. Br Med J 2:236-7, 1 May 71

DIAGNOSTIC USE

Diagnostic and prognostic value of short-term metabolic response to human growth hormone in short stature. Clayton BE, et al. Arch Dis Child 46:405-13, Aug 71
[Effects of human growth hormone on different tests for functional exploration of carbohydrate metabolism in pituitary dwarfs] Elsair J, et al. J Physiol (Paris) 61:169-83, May-Jun 69 (Fre)
[Diagnostic value of metabolic tests following administration of human growth hormone in the assessment of hypothalamo-hypophyseal dwarfism in children] Rybakowa M, et al. Pediatr Pol 46:885-94, Jun 71 (Pol)

ISOLATION & PURIFICATION

Preparation of purified human growth hormone and a crude human pituitary gonadotrophin. Trygstad O, et al. Acta Endocrinol (Kbh) 66:478-90, Mar 71
The separation of monkey prolactin from monkey growth hormone by affinity chromatography. Guyda HJ, et al. Biochem Biophys Res Commun 42:1068-75, 19 Mar 71
Purification and characterization of growth hormone from dog pituitary glands. Hashimoto C, et al. Endocrinology 88:881-9, Apr 71
[A simple method of purification by silica in microgranular form of radio-iodinated somatotropic hormone] Martin-Laval C, et al. C R Soc Biol (Paris) 164:338-41, 25 Sep 70 (Fre)
[Isolation of highly-purified, immunologically homogeneous growth hormone from human hypophyses] Schäfer G, et al. Acta Biol Med Ger 24:455-62, 1970 (Ger)
[Flocculation analysis of growth hormone distribution by fractions of the Reben human pituitary extract] Lazarev AF. Biull Eksp Biol Med 67:99-101, 1969 (Rus)

METABOLISM

Changes of growth hormone-containing cells during tumorigenesis and subpassages of estrogen-induced pituitary tumors in rats. Ueda G, et al. Endocrinol Jap 17:447-52, Dec 70
Pituitary GH and hypothalamic GHRF after median eminence implantation of ovine or human GH. Voogt JL, et al. Endocrinology 88:1383-7, Jun 71
The diffusion of growth hormone into thoracic duct lymph in man. Santis MR, et al. J Clin Endocrinol Metab 31:632-9, Dec 70
Growth hormone, sorbitol, and diabetic capillary disease. Gabbay KH, et al. Lancet 1:913, 1 May 71
Pineal regulation of growth hormone synthesis and release in blinded and blinded-anosmic male rats. Sorrentino S Jr, et al. Neuroendocrinology 7:210-8, 1971
[Pathological liver and endocrinal glands: etio-pathogenic hypothesis on the origin of the prostatic adeno-fibroma] Gallizia F, et al. J Urol Nephrol (Paris) 76:752-8, Jul-Aug 70 (Fre)
[Influence of chronic metabolic acidosis on endocrine regulation of growth in rats] Gervais MH, et al. Union Med Can 100:716-22, Apr 71 (Fre)
[Symoosium 2. Endocrine function of the fetus. 1. Growth hormone in the human fetus] Matsuzaki F. Folia Endocrinol Jap 46:737-43, 20 Oct 70 (Jap)

PHARMACODYNAMICS

The effect of gonadotrophins and of growth hormone on the development of ovarian autografts on the greater omentum of hemicastrated rats. Ber A. Acta Endocrinol (Kbh) 66:99-110, Jan 71
Effect of somatotrophic and synthetic adrenocorticotrophic hormone on water metabolism of hypophysectomized rats. László FA, et al. Acta Endocrinol [Suppl] (Kbh) 155:47, 1971
A histological investigation of the effects of raben type growth hormone during controlled tooth movement in the maxillary incisor teeth in the laboratory rat. Decker R. Am J Orthod 59:300, Mar 71
Growth hormone inhibition of proline hydroxylation in vitro. Henneman DH. Am J Physiol 220:1808-13, Jun 71
Effect of growth hormone in vitro on phosphofructokinase activity of rat epididymal adipose tissue. Raj RK, et al. Arch Biochem Biophys 142:61-8, Jan 71
Submicroscopic effects of hormones on articular cartilage of adult mice. Silberberg R, et al. Arch Pathol 91:241-55, Mar 71
Hormonal control of heart function and myosin ATPase activity. Hjalmarson AC, et al. Biochem Biophys Res Commun 41:1584-9, 24 Dec 70
Hormonal stimulation of hepatic ornithine decarboxylase. Panko WB, et al. Biochem Biophys Res Commun 43:346-50, 16 Apr 71
Amino acid requirement for the growth-hormone stimulation of incorporation of precursors into protein and nucleic acids of liver slices. Clemens MJ, et al. Biochem J 119:629-34, Oct 70
The effect of growth hormone on fibrinogen synthesis. Jeejeebhoy KN, et al. Biochem J 119:243-9, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The control of ornithine decarboxylase activity during liver regeneration. Fausto N.
Biochim Biophys Acta 238:116-28, 29 Apr 71
Changes in rat liver transfer RNA following growth hormone administration and in regenerating liver. Jackson CD, et al.
Biochim Biophys Acta 217:64-71, 17 Sep 70
The influence of age, sex, hypophysectomy and various hormones on the composition of the skin surface lipids of the rat. Hormones and sebum composition in the rat. Nikkari T, et al.
Br J Dermatol 83:459-72, Oct 70
Differential effects of growth hormone and hydrocortisone on nuclear RNA synthesis in rat liver. Ip PM, et al. Can J Biochem 49:853-62, Jul 71
Accelerated response of hepatic DNA synthesis to partial hepatectomy in rats pretreated with growth hormone or surgical stress. Moolten FL, et al.
Cancer Res 30:2353-7, Sep 70
Effect of hypophysectomy on liver enzymes in the chicken, Gallus domesticus: replacement therapy with growth hormone and thyroxine. Chandrabose KA, et al. Comp Biochem Physiol 39:55-9, 15 May 71
Decreased response to insulin in adipose tissue during starvation. Effect of hypophysectomy and growth hormone administration. Trueheart PA, et al.
Diabetes 20:46-50, Jan 71
Influence of growth hormone, fasting and alloxan diabetes on pituitary, tibia and adrenal glycogen levels in the rat. Hazelwood RL, et al.
Endocrinology 87:1372-6, Dec 70
In vitro effects of growth hormone on the number and activity of ribosomes engaged in protein synthesis in the isolated rat diaphragm. Kostyo JL, et al.
Endocrinology 88:1054-62, Apr 71
Studies on the early interactions of growth hormone: effect in vitro on lipogenesis in adipose tissue. Pandian MR, et al. Endocrinology 88:928-36, Apr 71
Studies on the delayed action of growth hormone on the metabolism of the rat diaphragm. Riliema JA, et al.
Endocrinology 88:240-8, Jan 71
In vitro stimulation of leucine incorporation into muscle and cartilage protein by a serum fraction with sulfation factor activity: differentiation of effects from those of growth hormone and insulin. Salmon WD Jr, et al. Endocrinology 87:1168-80, Dec 70
In vitro metabolic effects of bovine growth hormone fragments in adipose tissue. Swislocki NI, et al.
Endocrinology 87:900-4, Nov 70
Pituitary GH and hypothalamic GHRF after median eminence implantation of ovine or human GH. Voogt JL, et al. Endocrinology 88:1363-7, Jun 71
Site of production of meiosis-inducing substance in ovary of starfish. Hirai S, et al.
Exp Cell Res 67:224-7, Jul 71
Fish growth hormone: a biological, immunochemical, and ultrastructural study of sturgeon and paddlefish pituitaries. Hayashida T, et al.
Gen Comp Endocrinol 13:403-11, Dec 69
Comparative effects of mammalian prolactin and growth hormone on growth in the toads Bufo boreas and Bufo marinus. Zipser RD, et al.
Gen Comp Endocrinol 13:382-91, Dec 69
Isolated growth hormone deficiency in prepubertal children. Influence of human growth hormone on longitudinal growth, adipose tissue, bone mass and bone maturation. Ferrandez A, et al.
Helv Paediatr Acta 25:566-76, Dec 70
Effects of prolactin or growth hormone on growth of carcinogen-induced mammary tumors of adreno-ovariectomized rats. Nagasawa H, et al.
Int J Cancer 6:488-95, 15 Nov 70
Effect of growth hormone on longitudinal bone growth in hypophysectomized rats. Hansson LI, et al.
Isr J Med Sci 7:377, Mar 71
Bone formation by induction under the influence of growth hormone and cortisone. Koskinen EV, et al.
Isr J Med Sci 7:378-80, Mar 71
Effect of growth hormone upon the RNA polymerase and deoxythymidine kinase activities of regenerating liver in hypophysectomized rats. Akamatsu N, et al.
J Biochem (Tokyo) 69:1091-5, Jun 71
Effects of triiodothyronine, growth hormone and anabolic steroids on nitrogen excretion and oxygen consumption of obese patients. Bray GA, et al.
J Clin Endocrinol Metab 33:293-300, Aug 71
Effects of insulin and growth hormone on the flux rates of plasma glucose and plasma free fatty acids in man. Cheng JS, et al.
J Clin Endocrinol Metab 31:647-53, Dec 70
Administration of growth hormone to patients with familial dwarfism with high plasma immunoreactive growth hormone: measurement of sulfation factor, metabolic and linear growth responses. Laron Z, et al.
J Clin Endocrinol Metab 33:332-42, Aug 71
The effect of administration of human growth hormone on the plasma growth hormone, cortisol, glucose, and free fatty acid response to insulin: evidence for growth hormone autoregulation in man. Abrams RL, et al. J Clin Invest 50:940-50, Apr 71
Metabolic response to human growth hormone during prolonged starvation. Felig P, et al.
J Clin Invest 50:411-21, Feb 71
Effect of growth hormone on glucose, nonesterified fatty acid and insulin levels, and on glucose utilization in dairy calves. Head HH, et al.
J Dairy Sci 53:1496-501, Oct 70
Growth hormone influences on palmitate entry rate in fed and fasted sheep. Johnson RR, et al.
J Dairy Sci 53:1089-93, Aug 70
The effect of prolactin and growth hormone on the ultrastructure of mouse mammary gland in organ culture. Hallowes RC, et al. J Endocrinol 49:v, Mar 71
Changes in enzymic activity, chemical composition and histology of the mammary glands and metabolites in the blood of lactating rabbits after hypophysectomy and replacement therapy with sheep prolactin, human growth hormone or bovine growth hormone. Hartmann PE, et al. J Endocrinol 48:433-48, Nov 70
The aldosterone secretory response to sodium restriction in chronically hypophysectomized corticotrophin-maintained rats as a function of duration and amount of growth hormone treatment. Palkovits M, et al. J Endocrinol 50:407-11, Jul 71
Structural changes in involuting rat mammary gland. Effects of reserpine and anterior pituitary hormones. Richards RC, et al. J Endocrinol 46:7-8, Feb 70
Growth hormone activity and DNA synthesis in mammary organ culture. Rivera EM, et al.
J Endocrinol 46:283-4, Feb 70
The effect of kidney ligation on the release of plasma free fatty acids following the injection of growth hormone. Wallace AL, et al.
J Endocrinol 48:297-8, Oct 70
Comparative biochemical effects of prolactin and growth hormone on mouse mammary gland in organ culture. Wang DY, et al. J Endocrinol 49:iv-v, Mar 71
Stimulation of synthesis of DNA-like and ribosomal RNA by growth hormone. Oravec M, et al.
J Mol Biol 58:489-98, 14 Jun 71
Strain differences in response of the mouse mammary gland to hormones in vitro. Singh DV, et al.
J Natl Cancer Inst 45:657-75, Oct 70
A method for evaluation of small sample, short duration experiments. Betz PK, et al.
J Periodont Res 3:328-35, 1968
Stress-mediated decrease in liver hexobarbital metabolism: the role of corticosterone and somatotropin. Wei E, et al.
J Pharmacol Exp Ther 177:227-33, Apr 71
Enzyme regulation in gluconeogenesis and lipogenesis. Relationship of protein synthesis and cyclic AMP to lipolytic action of growth hormone and glucocorticoids. Fain JN, et al.
Metabolism 20:109-18, Feb 71
Adipose tissue metabolism of weanling rats after destruction of ventromedial hypothalamic nuclei: effect of hypophysectomy and growth hormone. Goldman JK, et al. Metabolism 19:995-1005, Nov 70
Antilipolytic effects of growth hormone. Goodman HM.
Metabolism 19:849-55, Oct 70
Stimulation of articular cartilage of young adult mice by hormones. Silberberg R, et al.
Pathol Microbiol (Basel) 37:23-36, 1971
Influence of physical training, aortic constriction and exogenous anterior pituitary hormones on the heart weights of hypophysectomized rats. Tipton CM, et al.
Pfluegers Arch 325:103-12, 1971
Interaction of human growth hormone and human erythrocyte membranes studies by intrinsic fluorescence. Sonenberg M.
Proc Natl Acad Sci USA 68:1051-5, May 71
Insensitivity of adipocytes of hypophysectomized rats to growth hormone and insulin. Eastman RC, et al.
Proc Soc Exp Biol Med 137:168-74, May 71
Decreased incidence of restraint-stress induced gastric erosions in rats treated with bovine growth hormone. Vanamee P, et al.
Proc Soc Exp Biol Med 135:259-62, Nov 70
Hormonal control of lymphatic tissue development in Snell-Bagg dwarf mice. Baroni C, et al.
Progr Immunobiol Stand 4:474-6, 1970
[The nature of anti-hypophyseal stimulating hormones of milk secretion in normal ewes] Denamur R, et al.
Arch Int Pharmacodyn Ther 186:185-7, Jul 70 (Fre)
[Lack of marked effects of pituitary growth hormone on the histological maturation of the cerebellar cortex in normal and hypothyroid young rats] Rebière A, et al. Brain Res 22:299-312, 16 Sep 70 (Fre)
[Influence of somatotropin hormone on the velocity of irreversible degradation in vivo of free threonine] Chevan J, et al.
C R Acad Sci [D] (Paris) 271:671-3, 17 Aug 70 (Fre)
[Uptake of sugars by isolated rat diaphragm under the influence of somatotropin (STH): possible role of adenosine 3'5' monophosphoric acid (cyclic AMP)] Buneaux JJ, et al.
J Physiol (Paris) 62:Suppl 2:257-8, 1970 (Fre)
[In vitro investigation of glutathione synthesis in human erythrocytes under the influence of human growth hormone] Hohenwallner W.
Clin Chim Acta 30:573-81, Dec 70 (Ger)
[The effect of testosterone, methenolone, somatotropic hormone, adrenal cortex hormones and octapeptide hormones on the iron incorporation rate in polycythemic mice] Essers U, et al.
Med Welt 6:205-7, 6 Feb 71 (Ger)
[Experimental studies on lipolysis in adipose tissue from man and guinea pig] Ebel W, et al.
Z Gesamte Inn Med 26:30-3, 1 Jan 71 (Ger)
[Growth of transplantable mammary carcinoma in mice: dependence on ovarian hormones for enhancing effect of growth hormone and prolactin] Speiser T, et al. Harefuah 77:381-4, 2 Nov 69 (Heb)
[Clinical studies on pituitary growth hormone. 3. Effects of tryptic digests of bovine growth hormone to human subjects] Isobe I.
Jap Arch Intern Med 17:271-8, Sep 70 (Jap)
[Effect of exogenous growth hormone in heifers fed fodder with addition of urea. II. Urea nitrogen and amino acids in serum and in cellular blood elements] Barej W, et al.
Acta Physiol Pol 21:259-68, Mar-Apr 70 (Pol)
[Effect of exogenous growth hormone in heifers fed fodder with addition of urea. I. Glucose and free fatty acids in the blood] Garwacki S, et al.
Acta Physiol Pol 21:251-8, Mar-Apr 70 (Pol)
[Metabolism of insulin-I 125 under the influence of the growth hormone in the isolated and perfused rat liver] Costiner E, et al.
Stud Cercet Endocrinol 22:29-33, 1971 (Rum)
[The effect of somatotropic hormone on the duration of mitotic cycle DNA synthesis] Bardik IuV.
Biull Eksp Biol Med 68:106-8, Aug 69 (Rus)
[Effect of growth hormone on the duration of the separate periods of the mitotic cycle in the basal layer of epithelial cells in the rat esophagus] Bardik IuV.
Biull Eksp Biol Med 68:94-7, Nov 69 (Rus)
[Effect of somatotropic hormone of the hypophysis on some indices of liver nitrogen metabolism in experimental thyroidin toxicosis in rabbits] Gasanov SG. Biull Eksp Biol Med 68:54-6, Jun 69 (Rus)
[Growth stimulation by somatotropin of the limbs in embryos of mice of the mutant line brachypodism-H] Koniukhov BV, et al.
Biull Eksp Biol Med 67:70-1, 1969 (Rus)
[Effect of growth hormone on the behavior and some morphologic and biochemical indices in offspring of Wistar line rats] Fedorov VK, et al.
Dokl Akad Nauk SSSR 198:727-9, 21 May 71 (Rus)
[Effect of growth hormone on the behavior and some morphologic and biochemical indices in the offspring of Wistar line rats] Gromova KI, et al.
Fiziol Zh SSSR 57:813-9, Apr 71 (Rus)
[Role of hypophyseal somatotrophic hormone in the regulation of protein metabolism in experimental thyrotoxicosis] Gasanov SG.
Patol Fiziol Eksp Ter 15:53-8, May-Jun 71 (Rus)
[Effect of somatotropin on erythropoiesis in hypophysectomized rats] Voino-Iasenetskaia EM, et al. Patol Fiziol Eksp Ter 14:69-73, Jul-Aug 70 (Rus)
[Hormonal regulation in enzyme activity. Effects of cortisol, somatotropin, insulin and castration on the proteolytic activity of the liver] Llamas R, et al.
Rev Invest Clin 22:25-36, Jan-Mar 70 (Spa)
[Study in vitro on erythrocytes and somatropin] Ramasso JC, et al.
Rev Soc Argent Biol 45:161-7, Aug-Nov 69 (Spa)

PHYSIOLOGY

Pituitary growth hormone and the regulation of metabolic fuel supplies. Hunter WM.
Acta Clin Belg 24:316-7, 1969
Hormones and substrates in the regulation of gluconeogenesis in fasting man. Mariiss E, et al.
Adv Enzyme Regul 8:3-11, 1970
Growth hormone and tryptophan oxygenase activity. Korner A. Am J Clin Nutr 24:712-7, Jun 71
Growth hormone and diabetes. Br Med J 1:186, 23 Jan 71
New knowledge about HGH. Rimoin D.
Calif Med 115:75-6, Aug 71
The suppression of the circulatory action of some neutral lipide soluble fraction (LNF) by the growth hormone releasing hormone (GRH). Secchi C, et al.
Enzymologia 40:120-6, 28 Feb 71
Glucose and lipid homeostasis in the absence of human growth hormone. Merimee TJ, et al.
J Clin Invest 50:574-82, Mar 71
Observations on the responsiveness of human subjects to human growth hormone. Effects of endogenous growth hormone deficiency and myotinic dystrophy. Rudman D, et al. J Clin Invest 50:1941-9, Sep 71
Growth inhibition of newborn rats by plasma of monkeys immunized against rat growth hormone. Duquesnoy RJ, et al. J Endocrinol 48:465-6, Nov 70
Decreased incidence of restraint-stress induced gastric erosions in rats treated with bovine growth hormone. Vanamee P, et al.
Proc Soc Exp Biol Med 135:259-62, Nov 70
[Data contributed by radioimmunologic assay on the physiology and the pathology of somatotropin] Annee Endocrinol 23:63-80, 1971 (70 ref.) (Fre)
[Effects of growth hormone on carbohydrate metabolism] Elsair J.
J Physiol (Paris) 62:123-43, Mar-Apr 70 (93 ref.) (Fre)
[Effect of growth hormone on regeneration of the rat liver] Kamiya T.
J Jap Obstet Gynecol Soc 23:19-23, Jan 71 (Jap)
[Bone metabolism and hormone, with special reference to somatotropin] Inoue T.
J Jap Orthop Assoc 44:689-92, Sep 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SECRETION

Glucagon-induced growth hormone release in children. Weber B, et al. Acta Endocrinol (Kbh) 65:323-41, Oct 70

Stimulation of growth hormone secretion by microinjection of norepinephrine into hypothalamus of conscious baboon. Toivola PT, et al. Acta Endocrinol [Suppl] (Kbh) 155:32, 1971

The parietal cell mass: growth hormone relationship in man. Hall WH. Am J Dig Dis 16:139-43, Feb 71

Sulfation factor regulation of skeletal growth. A stable mechanism dependent on intermittent growth hormone secretion. Daughaday WH. Am J Med 50:277-80, Mar 71 (18 ref.)

The response of growth hormone to xylitol administration in man. Spitz IM, et al. Am J Med Sci 60:224-9, Oct 70

Prolonged nutritional deprivation in pregnancy: changes in human chorionic somatomammotropin and growth hormone secretion. Tyson JE, et al. Am J Obstet Gynecol 109:1080-2, 1 Apr 71

Growth hormone levels with exercise. Buckler J. Arch Dis Child 46:399, Jun 71

The effect of puberty on growth hormone secretion in boys with short stature and delayed adolescence. Eastman CJ, et al. Aust NZ J Med 1:154-9, May 71

Effects of theophylline and adenosine 3':5'-cclic monophosphate on growth hormone release from the isolated rat anterior pituitary gland. Ewart RB, et al. Biochem J 120:10P, Dec 70

Changing concepts on the control of growth hormone secretion in man. VanderLaan WP. Calif Med 115:38-46, Aug 71 (57 ref.)

Growth hormone investigation in patients with mental dysfunction. Pozsonyi J, et al. Can Med Assoc J 104:26-9, 9 Jan 71

The plasma growth hormone response to I. V. glucagon administration. Stimmler L, et al. Clin Sci 40:28P-29P, Jun 71

Ultrastructural changes in B cells of pancreatic islets from rats with elevated levels of circulating growth hormone secreted by MtT-W15 tumor. Bencosme SA, et al. Diabetes 20:15-26, Jan 71

Effect of changes in plasma free fatty acids level on secretion of human growth hormone. Tsushima T, et al. Endocrinol Jap 17:369-77, Oct 70

Patterns of growth hormone and cortisol responses to psychological stress in the squirrel monkey. Brown GM, et al. Endocrinology 88:956-63, Apr 71

Hypothalamic mediation of growth hormone and adrenal stress response in the squirrel monkey. Brown GM, et al. Endocrinology 89:694-703, Sep 71

Growth hormone secretion in young rats after partial or total interruption of neural afferents to the medical basal hypothalamus. Halasz B, et al. Endocrinology 89:198-203, Jul 71

A stimulatory test for growth hormone release in the rat. Howard N, et al. Endocrinology 88:497-9, Feb 71

Effect of synthetic TRF on hormone release from bovine anterior pituitary in vitro. LaBella FS, et al. Endocrinology 88:787-9, Mar 71

Ineffectiveness of hypoglycemia, cold exposure and fasting in stimulating GH secretion in the mouse. Müller EE, et al. Endocrinology 88:345-50, Feb 71

Impaired secretion of growth hormone in goldthioglucose-obese mice. Müller EE, et al. Endocrinology 89:56-62, Jul 71

Regulation of immunoreactive growth hormone secretion in male rats. Takahashi K, et al. Endocrinology 88:909-17, Apr 71

Release of growth hormone from somatotropin producing cells of hepatectomized mice without the participation of the Golgi complex. Echave Llanos JM, et al. Experientia 27:318-9, 15 Mar 71

Failure to stimulate significant cortisol or growth hormone secretion in man by ether infusion. Haibach H, et al. Experientia 26:1146-7, 15 Oct 70

The role of corticotrophin in promoting growth hormone release in man. Neri V, et al. Folia Endocrinol (Roma) 23:513-9, Oct 70

Growth hormone secretion rates in cattle. Trenkle A. J Anim Sci 32:115-8, Jan 71

Production of both prolactin and growth hormone by clonal strains of rat pituitary tumor cells. Differential effects of hydrocortisone and tissue extracts. Tashjian AH Jr, et al. J Cell Biol 47:61-70, Oct 70

Extra-adrenal actions of metyrapone in man. Effects on plasma cortisol disappearance, growth hormone secretion and glucose metabolism. Bruno OD, et al. J Clin Endocrinol Metab 32:260-5, Feb 71

In vitro release of monkey pituitary growth hormone by acromegalic plasma. Hagen TC, et al. J Clin Endocrinol Metab 33:448-51, Sep 71

Effect of prostaglandin on the secretion of human growth hormone. Ito H, et al. J Clin Endocrinol Metab 32:857-9, Jun 71

The effect of weight loss on the growth hormone response to arginine infusion in obesity. el-Khodary AZ, et al. J Clin Endocrinol Metab 32:42-51, Jan 71

Determination of integrated plasma concentrations and true secretion rates of human growth hormone. Kowarski A, et al. J Clin Endocrinol Metab 32:356-60, Mar 71

Experimental modification of the sleep-induced peak of growth hormone secretion. Lucke C, et al. J Clin Endocrinol Metab 32:729-36, Jun 71

Further studies on the relation between growth hormone and corticotrophin secretion in insulin-induced hypoglycemia. Nakagawa K, et al. J Clin Endocrinol Metab 32:188-91, Feb 71

Human growth hormone release in sleep: nonsuppression by acute hyperglycemia. Parker DC, et al. J Clin Endocrinol Metab 32:65-9, Jan 71

Growth hormone secretion during sleep: impairment in glucose tolerance and nonsuppressibility by hyperglycemia. Schnure JJ, et al. J Clin Endocrinol Metab 33:234-41, Aug 71

Fructose induced growth hormone release. Strauch G, et al. J Clin Endocrinol Metab 32:582-4, Apr 71

Growth hormone release during the first year of life in relation to sleep-wake periods. Vigneri R, et al. J Clin Endocrinol Metab 33:561-3, Sep 71

Human growth hormone release in sleep: effect of daytime exercise. Zir LM, et al. J Clin Endocrinol Metab 32:662-5, May 71

The effect of administration of human growth hormone on the plasma growth hormone, cortisol, glucose, and free fatty acid response to insulin: evidence for growth hormone autoregulation in man. Abrams RL, et al. J Clin Invest 50:940-50, Apr 71

Effect of lipids on growth hormone secretion in humans. Blackard WG, et al. J Clin Invest 50:1439-43, Jul 71

Influence of insulin injected into the lateral ventricle on pituitary growth-hormone release in the rat. Pecile A, et al. J Endocrinol 50:51-8, May 71

Suppression of mammary hyperplastic nodule formation and pituitary prolactin secretion in mice induced by ergocornine or 2-bromo-a-ergocryptine. Yanai R, et al. J Natl Cancer Inst 45:1105-12, Dec 70

Effect of synthetic beta 1-24 corticotropin on growth hormone release in children. Del Guercio MJ, et al. J Pediatr 78:689-91, Apr 71

Effect of adolescence on the serum growth hormone response to hypoglycemia. Frasier SD, et al. J Pediatr 77:465-7, Sep 70

Fanconi's anemia with growth hormone deficiency. Pochedly C, et al. J Pediatr 79:93-6, Jul 71

Arginine-induced growth hormone responses in children: effect of age and puberty. Sperling MA, et al. J Pediatr 77:462-5, Sep 70

Effects of cations on prolactin and growth hormone secretion by rat adenohypophyses in vitro. Parsons JA. J Physiol (Lond) 210:973-87, Nov 70

Corticosteroid and growth hormone secretion in patients treated with L-dopa. Werder K von, et al. Klin Wochenschr 48:1454-6, 15 Dec 70

Arginine-infusion test for growth-hormone secretion. Baker HW, et al. Lancet 2:1193, 5 Dec 70

Growth hormone, sorbitol, and diabetic capillary disease. Beaumont P, et al. Lancet 1:579-81, 20 Mar 71

Corticosteroid and growth-hormone response to hypoglycaemia in patients on long-term treatment with corticotrophin. Daly JR, et al. Lancet 1:476-7, 6 Mar 71

The hypothalamus, brain-catecholamines, and drug therapy for gigantism and acromegaly. Sherman L, et al. Lancet 1:682-5, 3 Apr 71

Ectopic growth hormone syndrome associated with lung cancer. Sparagana M, et al. Metabolism 20:730-6, Aug 71

Implications of growth hormone release in sleep. VanderLaan WP, et al. Metabolism 19:891-7, Oct 70

Stimulation of human-growth-hormone secretion by L-dopa. Boyd AE 3d, et al. N Engl J Med 283:1425-9, 24 Dec 70

Growth-hormone secretion. N Engl J Med 284:615-6, 18 Mar 71

Release of pituitary growth hormone by prostaglandins and dibutyryl adenosine cyclic 3':5'-monophosphate in the absence of protein synthesis. MacLeod RM, et al. Proc Natl Acad Sci USA 67:1172-9, Nov 70

Short-term hormonal responses to oral glucose in normal and abnormal energy metabolism. Baird JD. Proc Nutr Soc 30:26-36, May 71

Secretion of prolactin and growth hormone by cultures of adult simian pituitaries. Channing CP, et al. Proc Soc Exp Biol Med 135:540-2, Nov 70

Hormonal response to intra-venous fructose in normal and fructosaemic children: a study of insulin and growth hormone secretion. Modigliani E, et al. Rev Eur Etud Clin Biol 15:882-7, Oct 70

Dwarfism due to isolated growth hormone abnormalities. S Afr Med J 44:1045, 19 Sep 70

Insulin and growth hormone regulation in organic hyperinsulinism. AvRuskin TW, et al. Surg Gynecol Obstet 133:1-10, Jul 71

Ultrastructure of STH cells in the pars distalis of the hypophysis of mice bearing transplanted hepatomas. Badran AF, et al. Z Zellforsch Mikrosk Anat 118:525-31, Jul 71

[Studies of the hypothalamo-hypophyseal-gonadic and the hypothalamo-hypophyseal-somatotropic axis in man] Franchimont P, et al. Acta Clin Belg 24:67-83, 1969 (Fre)

[Somatotropin insufficiency in Cushing's syndrome: regression after treatment of the hypercorticism] Strauch G, et al. Ann Endocrinol (Paris) 31:985-92, Sep-Oct 70 (Fre)

[Study of the action of some new analogues of cyclic AMP on the release of growth hormone and prolactin in vitro] Cehovic G, et al. C R Acad Sci [D] (Paris) 271:1399-401, 19 Oct 70 (Fre)

[Stimulation of the somatotropic cells of the pituitary gland of the carp after prolonged fasting] Olivereau M. C R Acad Sci [D] (Paris) 270:2343-6, 11 May 70 (Fre)

[Preparation of new derivatives of cAMP (substituted in position C-8 and C-2) and study of their action on the release of growth hormone] Posternak T, et al. C R Acad Sci [D] (Paris) 272:622-5, 25 Jan 71 (Fre)

[Determination of the level of somatotropin and gonadotropins in some cases of arthrosis appearing during menopause] Franchimont P, et al. J Belge Rhumatol Med Phys 23:59-64, Mar-Apr 68 (Fre)

[Exploration of the hypothalamo-pituitary-somatotropic axis] Franchimont P, et al. Rev Fr Endocrinol Clin 11:105-19, Mar-Apr 70 (Fre)

[Secretion of growth hormone (STH)] Collu R, et al. Union Med Can 98:1488-502, Sep 69 (Fre)

[Stimulation of growth hormones in children with ACTH] Girard J, et al. Schweiz Med Wochenschr 101:930-2, 26 Jun 71 (Ger)

[Heat-induced secretion of somatotropin in man] Meder R, et al. Z Kinderheilkd 108:297-304, 1970 (Ger)

[Vasopressin and somatotropin secretion in man] Giordano G, et al. Arch E Maragliano Patol Clin 26:333-48, Nov-Dec 70 (Ita)

[Aspects of somatotropin secretion in the course of hypercorticism] Giordano G, et al. Arch E Maragliano Patol Clin 26:379-91, Nov-Dec 70 (Ita)

[Glucagon and secretion of somatotropin] Giordano G, et al. Arch E Maragliano Patol Clin 26:111-26, Mar-Apr 70 (Ita)

[Somatotropin response to the insulin and arginine hypoglycemia in normal subjects and hyperthyroid patients, treated with reserpine] Cavagnini F, et al. Folia Endocrinol (Roma) 23:608-16, Oct 70 (Ita)

[Study of the entero-insular axis in normal and obese infants. (Effects of the ingestion of fats and proteins on the secretion of insulin and somatotropin)] Cacciari E, et al. Minerva Pediatr 23:1053-60, 16 Jun 71 (Ita)

[Control mechanism of growth hormone secretion] Imura H, et al. Clin Endocrinol (Tokyo) 18:803-10, Oct 70 (83 ref.) (Jap)

[Anterior pituitary gland function tests. 2. HGH, LH, FSH, and TSH secretion tests] Takebe K, et al. Clin Endocrinol (Tokyo) 19:127-33, Feb 71 (49 ref.) (Jap)

[Regulatory mechanism of ACTH and GH secretion] Ichikawa Y. Folia Endocrinol Jap 46:979-80, 20 Dec 70 (Jap)

[Factors regulating secretion of pituitary hormones] Imura H. Folia Endocrinol Jap 46:983-3, 20 Dec 70 (Jap)

[Secretory activity of anterior pituitary hormones in thyroid disorders, with special reference to HGH, ACTH and LH] Nunokawa T. Folia Endocrinol Jap 47:115-28, 20 May 71 (Jap)

[General aspect of HGH secretion] Okada Y. Folia Endocrinol Jap 46:987-8, 20 Dec 70 (Jap)

[Autoregulation of GH, influence of GH on cortisone secretion and effects of acute cortisol administration on GH secretion] Sakuma M. Folia Endocrinol Jap 46:986-7, 20 Dec 70 (Jap)

[Prolactin and growth hormone producing cells in experimental pituitary tumors] Ueda S. Folia Endocrinol Jap 46:993-4, 20 Dec 70 (Jap)

[Growth hormone secretion stimulation test] Okada Y, et al. Jap J Clin Med 28:2746-50, Dec 70 (Jap)

[Somatotropic function of the hypophysis in peptic ulcer] Mosin VI. Ter Arkh 42:43-7, Jul 70 (Rus)

[Resistance of the inhibition of the growth hormone and fatty acids by glucose in patients with cancer of the breast and uterine body] Bobrov IuF, et al. Vopr Onkol 17:40-4, 1971 (Rus)

[Growth hormone. II. Sequential administration of L-arginine and insulin in the diagnosis of growth hormone deficiency] Parra-Covarrubias A, et al. Gac Med Mex 101:607-18, May 71 (Spa)

[Hormones and stress] Luft R, et al. Nord Med 84:1257-64, 1 Oct 70 (67 ref.) (Swe)

THERAPEUTIC USE

The early antibody response to human growth hormone. Warner SM, et al. Acta Endocrinol (Kbh) 67:457-62, Jul 71

Treatment with growth hormone. Br Med J 3:547-8, 4 Sep 71

Hormones and the immunological capacity. IV. Restorative effects of developmental hormones or of lymphocytes on the immunodeficiency syndrome of the dwarf mouse. Fabris N, et al. Clin Exp Immunol 9:227-40, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Results of long-term human growth hormone therapy for pituitary dwarfism. Shizume K, et al. Endocrinol Jap 17:297-306, Aug 70
Isolated growth hormone deficiency in prepubertal children. Influence of human growth hormone on longitudinal growth, adipose tissue, bone mass and bone maturation. Ferrandez A, et al. Helv Paediatr Acta 25:566-76, Dec 70
Growth hormone antibodies in patients treated with different preparations of human growth hormone (HGH). Illig R. J Clin Endocrinol Metab 31:679-88, Dec 70
Prevention of hypercholesterolaemia in thyroidectomized rats by growth hormone. Byers SO, et al. Nature (Lond) 228:464-5, 31 Oct 70
[Study of specific antibodies in subjects treated with human growth hormone (H.G.H.)] Schimpff RM, et al. Ann Pediatr (Paris) 18:118-28, 2 Feb 71 (Fre)
[Results of prolonged therapy of children with hypophyseal-hypothalamic dwarfism with homologous growth hormone. A report of 10 cases] Lässker G. Dtsch Gesundheitsw 25:2328-33, 3 Dec 70 (Ger)
[Influence of growth hormone on hydroxyprolinuria in patients with pituitary dwarfism] Kopecký A. Endokrinologie 57:194-200, 1971 (Ger)
[Changes in behavior of the oral and venous calcium tolerance test after treatment with human STH in aged patients with osteoporosis] Bompani R, et al. G Gerontol 18:327-31, Apr 70 (Ita)
[Influence of treatment with human somatotropin on intestinal absorption of calcium in aged osteoporotic subjects] Coscelli A, et al. G Gerontol 18:343-6, Apr 70 (Ita)
[Changes induced with administration of thyrocalcitonin in the behavior of the clearance curve of Ca47, intravenously administered, in aged osteoporotics treated with human somatotropin] Gnudi A, et al. G Gerontol 18:353-9, Apr 70 (Ita)
[Behavior of hydroxyprolinuria in aged osteoporotics after treatment with human STH] Scali G, et al. G Gerontol 18:389-93, Apr 70 (Ita)
[The human growth hormone. IV. Metabolic activity in growth dystrophies] Simionescu L, et al. Stud Cercet Endocrinol 21:439-49, 1970 (Rum)
[Growth hormone and its significance in the clinic] Vasiukova EA, et al. Klin Med (Mosk) 48:3-11, Oct 70 (Rus)

URINE

Urine excretion of insulin and growth hormone in subjects with renal failure. Lowy C, et al. Acta Endocrinol (Kbh) 67:85-96, May 71
A growth hormone factor in human urine. Hanssen KF. Acta Endocrinol [Suppl] (Kbh) 155:202, 1971
[The Cockayne syndrome--a form of dwarfism with increased excretion of growth hormone] Bender SW, et al. Acta Endocrinol [Suppl] (Kbh) 152:9, 1971 (Ger)

SOMATOTROPIN RELEASING FACTOR see under PITUITARY HORMONE RELEASING FACTORS (D8)

SOMATOTYPES (G1)

Worldwide somatic comparisons among contemporary human groups of adult females. Meredith HV. Am J Phys Anthropol 34:89-132, Jan 71 (197 ref.)
Body geometry of patients who had recurrent attacks of acute necrotizing ulcerative gingivitis. Clark RE, et al. Arch Oral Biol 16:205-13, Feb 71
Body build of paranoid and non-paranoid schizophrenic males. Polednak AP. Br J Psychiatry 119:191-2, Aug 71
Personality, body build and adrenocortical activity. Segraves RT. Br J Psychiatry 117:405-11, Oct 70
Physique and the eosinophil count. Burr WA, et al. Hum Biol 42:202-5, May 70
The somatotypes of athletes--a review. Carter JE. Hum Biol 42:535-69, Dec 70 (63 ref.)
The relation of frontal QRS axis to age and body build. Dougherty JD, et al. J Electrocardiol 3:285-98, 1970
Effects of tetracosactrin on plasma corticosteroids in subjects of different body-build. Jones MT, et al. J Endocrinol 48:285-6, Oct 70
Self-concept, sports interests, sports participation, and body type of seventh- and eighth-grade boys. Felker DW, et al. J Psychol 78:223-8, Jul 71
Psychopathology and perception of physiques. Miller AR, et al. Percept Mot Skills 32:475-8, Apr 71
An analysis of the relationship between somatotype and personality traits of college women. Slaughter M. Res Q Am Assoc Health Phys Educ 41:569-75, Dec 70
Comparison of somatotypes of selected groups of Czechoslovak sportsmen. Bavor M. Sb Ved Pr Lek Fak Karlovy Univ 13:57-71, 1970
[Somatoscopic diagnostics in clinical typology of the child] Blažek F. Cesk Pediatr 25:585-6, Dec 70 (Cze)
[Relation of the degree of endomorphism and mesomorphism in obese children to the decrease of weight and subcutaneous fatty tissue in diet therapy] Kleinwächterová H. Cesk Pediatr 26:113-4, Mar 71 (Cze)
[Study of somatotypes in primary school children] Clarys J, et al. Arch Belg Med Soc 28:426-40, Jun 70 (Dut)
[Method for the somatic characterization of full-term infants] Ottaviano S, et al. Arch Ital Pediatr Puericult 26:384-7, May-Aug 69 (Ita)
[On the Sheldon concept of somatotype] Bon Guzman de Matte L. Arch Psicol Neurol Psichiatr 32:5-93, Jan-Apr 71 (Ita)
[Correlations between auxologico-constitutional type and paradysmorphisms of the spine in childhood. Statistical studies at a Rehabilitational and Corrective Gymnastic Center] Magistroni C, et al. Minerva Pediatr 21:875-90, 12 May 69 (Ita)
[Catecholamines and obesity. (Study of the differences of excretion of adrenaline and noradrenaline found in relation to android and gynoid types)] Giorgino R, et al. Policlinico [Med] 77:87-95, Mar-Apr 70 (Ita)
[Somatic types of males with ankylosing spondylitis] Wolański J. Pol Tyg Lek 25:1886-8, 7 Dec 70 (Pol)
[Application of the chest-limb index for determination of the constitutional type of women in labor] Stokowski C. Wiad Lek 23:1867-73, 1 Nov 70 (Pol)
[Morphotypes in Klinefelter's syndrome] Milcu SM, et al. Stud Cercet Endocrinol 22:3-18, 1971 (Rum)

SOMNAMBULISM (C10, F2)

[The problem of the origin of motor and autonomic automatisms during sleep: the possibility of their relation to epilepsy] Popoviciu L, et al. Rev Neurol (Paris) 123:262-3, Oct 70 (Fre)

DIAGNOSIS

[Diagnosis of somnambulism] Nekrich MA. Voen Med Zh 12:64-5, Dec 70 (Rus)

SONICATION see under VIBRATION (H)

SOPOR see METHAQUALONE (D6)

SORBITOL (D11)

Sorbitol and mannitol for diabetic patients? Brennan E, et al. J Am Diet Assoc 58:570 passim, Jun 71

ADMINISTRATION & DOSAGE

A comparison of sodium and methylglucamine diatrizoate in clinical urography. Dacie JE, et al. Br J Radiol 44:51-4, Jan 71
Sodium or methylglucamine? A comparison of iothalamates in urography. Pearson MC, et al. Br J Radiol 44:55-7, Jan 71
[Experience in the use of an iron preparation, ferbitol, for intramuscular administration in iron deficiency anemias] Siubaeva NI, et al. Ter Arkh 43:84-7, Jan 71 (Rus)

ADVERSE EFFECTS

Reaction to iron sorbitol injection. Soots M, et al. Br Med J 4:54, 3 Oct 70
[Fatal liver dystrophy in 3 siblings with hereditary fructose intolerance after long-lasting infusion with sorbitol solutions] Heine W, et al. Dtsch Gesundheitsw 24:2325-9, 4 Dec 69 (Ger)

ANALYSIS

[Selective polarimetric determination of sorbitol and of mannitol] Hamon M, et al. Ann Pharm Fr 27:283-7, Apr 69 (Fre)
[Rates of enzyme elimination from the liver into blood following acute damage by carbon tetrachloride] Schlosser H. Acta Biol Med Ger 24:421-30, 1970 (Ger)

BLOOD

[Determination of xylitol and sorbitol in blood. Comparison of gas chromatographic and enzymatic-kinetic methods] Gauchel FD, et al. Z Klin Chem Klin Biochem 9:25-7, Jan 71 (Ger)
[Effect of repeated decelerations of moderate importance and very short duration on laboratory animals] Paolucci G. Minerva Med 61:4228-33, 26 Sep 70 (Ita)

DIAGNOSTIC USE

[Glucose and sorbitol in perfusion cholangio-cholecystography: comparative radiologic findings] Miceli R, et al. Ann Radiol Diagn (Bologna) 42:290-308, 1969 (Ita)
[Early experience with the use of sorbitol in intravenous cholangio-cholecystography] Pannuti F, et al. Ann Radiol Diagn (Bologna) 42:289-89, 1969 (Ita)

METABOLISM

Effects of consumption of hydrogenated saccharides and sucrose on the blood sugar concentration. Björling S, et al. Acta Odontol Scand 29:31-41, Apr 71
Inhibition of sorbitol oxidation by ethanol in intact rats pretreated with triiodothyronine or propyl thiouracil. Hillbom ME. Biochem Pharmacol 19:483-6, Feb 70
Sorbitol metabolism in Aerobacter aerogenes. Kelker NE, et al. J Bacteriol 105:160-4, Jan 71
Growth hormone, sorbitol, and diabetic capillary disease. Beaumont P, et al. Lancet 1:579-81, 20 Mar 71
Growth hormone, sorbitol, and diabetic capillary disease. Gabbay KH, et al. Lancet 1:913, 1 May 71
Sorbitol and the lens. Hollows FC, et al. Lancet 1:803, 17 Apr 71
Metabolism of sorbitol modified by ethanol in rats fed with a choline-deficient or choline-supplemented low-protein high-fat diet. Hillbom ME. Life Sci [II] 10:927-38, 22 Aug 71
Metabolic interaction of ethanol and sorbitol in relation to redox state of liver cytosol in hypo-, hyper-, and euthyroid rats. Hillbom ME, et al. Metabolism 20:843-9, Sep 71
[Biochemical studies on the etiology of cataract in diabetes] Friedburg D, et al. Ber Dtsch Ophthalmol Ges 70:362-8, 1970 (Ger)
[The degradation of glucose and sorbit by plaque streptococci] Dallmeier E, et al. Dtsch Zahnaerztl Z 25:887-98, Sep 70 (Ger)
[Metabolites in rat liver following sorbit application] Heinz F, et al. Hoppe Seylers Z Physiol Chem 351:1215-20, Oct 70 (Ger)
[Hereditary methemoglobinemia with mental and growth retardation found in a Japanese boy. With special reference to xylitol, sorbitol metabolism and methemoglobin reduction in the erythrocyte] Nishina T, et al. Acta Haematol Jap 33:455-61, Aug 70 (Jap)

PHARMACODYNAMICS

Influence of sorbitol on the rate of ethanol oxidation and on acetaldehyde accumulation in hypo-, hyper- and euthyroid rats. Hillbom ME. Life Sci [II] 9:841-6, 8 Aug 70
[Various aspects of exocrine duodenal secretion in relation to particular pharmaco-chemical stimulations] Fontana G, et al. Arch Patol Clin Med 44:445-55, 1967 (Ita)
[Hepatoprotective activity in the rat of 2,4-monofurfurylidene-tetra-O-methyl sorbitol (MSF). IX. Influence on the variation of hepatic glycogen caused by CCl4 poisoning] König G, et al. Boll Soc Ital Biol Sper 45:1444-5, 30 Nov 69 (Ita)
[Hepatoprotective activity in the rat of 2,4-monofurfurylidene-tetra-O-methyl sorbitol (MSF). 8. Influence on the variation of hepatic glucose-6-phosphatase activity induced by CCl4] König G, et al. Boll Soc Ital Biol Sper 45:1443-4, 30 Nov 69 (Ita)
[Hepatoprotective activity in the rat of 2,4-monofurfurylidene-tetra-O-methyl sorbitol (MSF). X. Influence on the increase of transaminase activity caused by acute CCl 4 poisoning] König G, et al. Boll Soc Ital Biol Sper 45:1445-6, 30 Nov 69 (Ita)
[Action of N-methylglucamine, papaveroline and their association on spontaneous motility of isolated arteries] Cassiano O, et al. Minerva Anestesiol 35:1265-7, Dec 69 (Ita)

POISONING

Fatality associated with injection of Jectofer. Cochrane JC, et al. S Afr Med J 44:1311-2, 14 Nov 70

THERAPEUTIC USE

[Steatrope in digestive pathology] Dubarry JJ, et al. Bord Med 3:2513-4 passim, Oct 70 (Fre)
[Difficulty of treatment of South American leishmaniasis seen again at a one year interval] Pothier MA, et al. Bull Soc Pathol Exot 63:473-6, Jun-Aug 70 (Fre)
[Oral treatment of intestinal atonia after appendectomy by the simultaneous administration of metochlopramide and sorbitol] Setbon L. Therapeutique 45:203-5, Feb 69 (Fre)
[Results of modern infusion therapy in toxic enteritis and hyperpyretic toxicosis in infants] Heine W, et al. Dtsch Gesundheitsw 25:1924-6, 8 Oct 70 (Ger)
[Therapy of cholestasis in infectious hepatitis] Semmler H, et al. Dtsch Gesundheitsw 25:1341-4, 16 Jul 70 (Ger)
[Diagnosis and therapy of posttraumatic brain edema] Janik B, et al. Med Welt 12:468-70, 20 Mar 71 (Ger)
[Hepatoprotective activity of 2,4-monofurfuryliden-tetra-o-methyl sorbitol (MSF) in rats. VII. Comparison between the protective activity of MSF and 2 of its analogs against CC1-4 poisoning] Baggio G, et al. Boll Soc Ital Biol Sper 45:1225-6, 15 Oct 69 (Ita)
[Effect of sorbit on the functional status of the liver in patients with diabetes mellitus] Lesnichiĭ AV. Sov Med 33:118-9, Dec 70 (Rus)
[Use of polyatomic alcohols in gastroenterology

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(review of literature and our own data)] Rafes IuI, et al. Ter Arkh 42:17-21, Jun 70 (Rus)
[Use of Jectofer in the treatment of anemias in pregnancy] Jakasović M, et al.
Srp Arh Celok Lek 98:757-62, May 70 (Ser)
[Treatment of anemias of pregnancy and the puerperium with iron-sorbitol complex] Nohemí Akemi M. Ginecol Obstet Mex 28:867-71, Dec 70 (Spa)

SORBOSE (D11)

METABOLISM

Sugar transport in Neurospora crassa. 3. An inositol requirement for the function of the glucose active transport system. Scarborough GA.
Biochem Biophys Res Commun 43:968-75, 4 Jun 71
The effect of temperature on the competitive inhibition of sorbose transfer in human erythrocytes by glucose. Levine M, et al.
Biochim Biophys Acta 225:291-300, 2 Feb 71
Kinetic studies on sorbose fermentation. Krieg P, et al.
Pathol Microbiol (Basel) 36:343, 1970
Cellular components specifically labeled during sorbose stimulation of sugar transport in neurospora. Klingmüller W. Z Naturforsch [B] 26:409-13, May 71
[Regulatory function of sorbose-resistance gene C in sugar transport of Neurospora] Klingmüller W, et al.
Mol Gen Genet 109:27-41, 1970 (Ger)
[Effects of osmotic shock and triton treatment on sorbose transport in Neurospora] Hack A, et al.
Z Naturforsch [B] 26:250-5, Mar 71 (Ger)

PHARMACODYNAMICS

Sorbose resistant mutants of Aspergillus nidulans. Elorza MV, et al. Mol Gen Genet 111:185-93, 1971
Studies on oligosaccharide synthesis by five species of Helminthosporium. I. Effect of L-sorbose. Reddy SM.
Pathol Microbiol (Basel) 34:360-5, 1969

SORE THROAT see under PHARYNGITIS (C5)

SORT (STRUCTURES-OBJECTIVE RORSCHACH TEST) see under RORSCHACH TEST (E1, F3)

SOUND (H)

see also related
NOISE (G3, H)

Physical characteristics of sound and hearing. Feigen LP. Am J Cardiol 28:130-3, Aug 71
Human fetal heart rate change and movement in response to sound and vibration. Grimwade JC, et al.
Am J Obstet Gynecol 109:86-90, 1 Jan 71
Human fetal brain response to sound during labor. Scibetta JJ, et al.
Am J Obstet Gynecol 109:82-5, 1 Jan 71
Intrauterine noise: a component of the fetal environment. Walker D, et al.
Am J Obstet Gynecol 109:91-5, 1 Jan 71
The effect of sound on the perception of color. Letourneau J, et al. Am J Optom 48:133-7, Feb 71
Apparent sound displacement during vestibular stimulation. Lester G, et al.
Am J Psychol 83:554-66, Dec 70
Response of the human fetus to sensory stimulation. Grimwade J, et al.
Aust NZ J Obstet Gynaecol 10:222-4, Nov 70
Circadian alteration of audiogenic seizure susceptibility in rats. Wada JA, et al.
Exp Neurol 29:211-4, Nov 70
Spreading cortical depression and audiogenic seizures in mice. Ward R, et al. Exp Neurol 31:437-43, Jun 71
Acoustic stimulus perception by the american lobster Homarus americanus (Decapoda). Offutt GC.
Experientia 26:1276-8, 15 Nov 70
The effect of sound, light and vibratory stimuli on serum lipid levels and liver fatty acid content of old and adult rats. Szamosi T. Experientia 27:628-9, Jun 71
Temporal position of discharges in single auditory nerve fibers within the cycle of a sine-wave stimulus: frequency and intensity effects. Anderson DJ, et al.
J Acoust Soc Am 49:Suppl 2:1131+, Apr 71
Reliability of ratings in an auditory signal-detection experiment. Bell DW, et al.
J Acoust Soc Am 49:Suppl 2:435-9, Feb 71
Travel time in the cochlea and its determination from cochlear-microphonic data. Dallos P, et al.
J Acoust Soc Am 49:Suppl 2:1140+, Apr 71
Audibility of high harmonics in a periodic pulse. II. Duifhuis H. J Acoust Soc Am 49:Suppl 2:1155+, Apr 71
Continuity in alternately sounded tonal signals in a free field. Elfner LF.
J Acoust Soc Am 49:Suppl 2:447-9, Feb 71
The acoustic stapedius reflex in relation to critical bandwidth. Flottorp G, et al.
J Acoust Soc Am 49:Suppl 2:457+, Feb 71
Effect of noise bandwidth on the loudness of a 1000-Hz tone. Hellman RP. J Acoust Soc Am 48:500-4, Aug 70
Differences of interaural phase and level in detection and lateralization. Jeffress LA, et al.
J Acoust Soc Am 49:Suppl 2:1169+, Apr 71
Measurement of the two-click threshold. Leshowitz B.
J Acoust Soc Am 49:Suppl 2:462-6, Feb 71
On-frequency masking with continuous sinusoids. Leshowitz B, et al.
J Acoust Soc Am 49:Suppl 2:1180+, Apr 71
Lateralization and detection of noise-masked tones of different durations. McFadden D, et al.
J Acoust Soc Am 49:2:1191+, Apr 71
Relation of temporary loudness shift to temporary threshold shift. McPherson DF, et al.
J Acoust Soc Am 49:Suppl 2:1195+, Apr 71
Pure-tone auditory behavioral thresholds in three species of lemurs. Mitchell C, et al.
J Acoust Soc Am 48:531-5, Aug 70
Interaural correlation detection for auditory pulse trains. Pollack I.
J Acoust Soc Am 49:Suppl 2:1213+, Apr 71
Pattern reversal in auditory perception. Ptacek PH, et al. J Acoust Soc Am 49:Suppl 2:493-8, Feb 71
Some effects of bandwith-duration constraints on frequency discrimination. Ronken DA.
J Acoust Soc Am 49:Suppl 2:1232+, Apr 71
Monaural detection with contralateral cue (MDCC). II. Interaural delay of cue and signal. Taylor MM, et al.
J Acoust Soc Am 49:Suppl 2:1243+, Apr 71
Bowel sound quantitation to evaluate drugs on gastrointestinalmmotor activity. Martin DC, et al.
J Clin Pharmacol 11:42-5, Jan-Feb 71
Role of contact and sound in eliciting filial responses and development of social attachments in domestic guinea pigs. Harper LV.
J Comp Physiol Psychol 73:427-35, Dec 70
Behavior-genetic analysis of the ontogeny of acoustically primed audiogenic seizures in mice. Henry KR, et al.
J Comp Physiol Psychol 70:235-41, Feb 70
Effects of auditory stimuli on the amplitude of the nictitating membrane reflex of the rabbit (Oryctolagus cuniculus). Ison JR, et al.
J Comp Physiol Psychol 75:157-64, Apr 71
Physiological basis for detection of sound and vibration in snakes. Hartline PH. J Exp Biol 54:349-71, Apr 71
Mid-brain responses of the auditory and somatic vibration systems in snakes. Hartline PH.
J Exp Biol 54:373-90, Apr 71
An auditory prompting device for behavior observation. Leifer AD, et al.
J Exp Child Psychol 11:376-8, Jun 71
Primary auditory stream segregation and perception of order in rapid sequences of tones. Bregman AS, et al.
J Exp Psychol 89:244-9, Aug 71
Binaural summation of loudness: reconsidered. Scharf B, et al. J Exp Psychol 86:374-9, Dec 70
The mechanical properties of hair. I. The dynamic sonic modulus. Goldsmith LA, et al.
J Invest Dermatol 55:256-9, Oct 70
Properties of 'two-tone inhibition' in primary auditory neurones. Arthur RM, et al.
J Physiol (Lond) 212:593-609, Feb 71
Responses of inferior colliculär neurones of bats to tone bursts with different rise times. Suga N.
J Physiol (Lond) 217:159-77, Aug 71
Hearing aid distortion and consonant identification. Bode DL, et al. J Speech Hear Res 14:323-31, Jun 71
Problems in identifying an acoustically evoked potential to a single stimulus. Derbyshire AJ, et al.
J Speech Hear Res 14:160-71, Mar 71
Within average variability of the acoustically evoked response. Keating LW, et al.
J Speech Hear Res 14:179-88, Mar 71
Temporal segmentation--influence of the envelope function on perception. Landercy A.
J Speech Hear Res 14:47-57, Mar 71
Early components of the averaged electroencephalic response in relation to rise-decay time and duration of pure tones. Lane RH, et al.
J Speech Hear Res 14:408-15, Jun 71
Evoked cortical responses to stimulus change. McCandless GA, et al.
J Speech Hear Res 13:624-34, Sep 70
Experimental studies on the uncomfortable loudness level. Stephens SD, et al.
J Speech Hear Res 14:262-70, Jun 71
Quality judgments of hearing aid transduced speech. Witter HL, et al. J Speech Hear Res 14:312-22, Jun 71
Useful noise. JAMA 215:1492, 1 Mar 71
Anticonvulsive effect of p-chlorophenylalanine in audiosensitive mice. Alexander GJ, et al.
Life Sci [I] 10:877-82, 1 Aug 71
Genetics of audiogenic seizures. 3. Time response relationships between drug administration and seizure susceptibility. Schlesinger K, et al.
Life Sci [I] 9:721-9, 1 Jul 70
Sound-induced convulsions: latency and severity in unilaterally audiosensitized mice. Iturrian WB, et al.
Pharmacology 5:65-73, 1971
Characteristics of the neuronal activity in the medial geniculate body of the cat during monaural and binaural stimulation. Altman JA, et al.
Physiol Bohemoslov 19:177-84, 1970
Localisation of plastic changes induced by association of sensory stimuli with electrical brain stimulation. Caviedes E, et al. Physiol Bohemoslov 19:169-76, 1970
Hyper-acoustic behaviour in premature babies: the importance of spontaneous responses. Bench RJ.
Proc R Soc Med 64:475-6, May 71
Heart rate responses of human newborns to modulated pure tones. Crowell DH, et al.
Proc R Soc Med 64:472-4, May 71
Infant heart rate response as a function of stimulus and state. Berg KM, et al. Psychophysiology 8:30-44, Jan 71
Selective habituation of galvanic skin response component of the orientation reaction to an auditory stimulus. O'Gorman JG, et al.
Psychophysiology 6:716-21, May 70
Heart rate response to sound and light. Roessler R, et al. Psychophysiology 5:359-69, Jan 69
Cochlear summating potentials: composition. Dallos P, et al. Science 170:641-4, 6 Nov 70
Acetoxycycloheximide enhances audiogenic seizures in DBA-2J mice. Jameson HD, et al.
Science 173:249-51, 16 Jul 71
Summating potential with electrical stimulation of crossed olivocochlear bundles. Konishi T, et al.
Science 172:483-4, 30 Apr 71
Periodical cicada: sound production and hearing. Simmons JA, et al. Science 171:212-3, 15 Jan 71
Breath sounds. Forgacs P, et al.
Thorax 26:288-95, May 71
Effect of auditory stimulation on the pulsatile echo, blood pressure, and electroencephalogram. Fernandez H, et al. Ultrasonics 9:138-41, Jul 71
Design of a low-Q sonar transducer. Small DJ.
Ultrasonics 9:154-7, Jul 71
A general treatment of modulation scanning as applied to acoustic linear arrays. 1. Voglis GM.
Ultrasonics 9:142-53, Jul 71
[Effects of audio-visual stimulations on the incidence of restraint ulcer in Wistar rats] Martin S, et al.
C R Soc Biol (Paris) 164:1748-50, 1970 (Fre)
[Effect of partial masking of 2 simultaneous pure sounds situated at random from the masked sound] Chocholle R, et al.
J Physiol (Paris) 1:Suppl 1:104-5, 1969 (Fre)
[Effect of contralateral partial masking on a pure sound of 2 other simultaneous pure sounds selected on both sides of the 1st] Chocholle R, et al.
J Physiol (Paris) 62:Suppl 2:259, 1970 (Fre)
[Reaction times to brief duration sounds partially masked homolaterally] Chocholle R, et al.
J Physiol (Paris) 63:26A, Mar-Apr 71 (Fre)
[Mechanical transient distortions in the sound transmission system of the ear] Lerche E.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:278-94, 1970 (Ger)
[On the dependence of objective determination of the intensity function of human hearing on sound sequence frequency] Rau RM.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 190:133-45, 1968 (Ger)
[Integrated gauge diagram of the respiratory sound. A useful extension of respiratory sound audiometry] Kumpf W, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:535-9, 1970 (Ger)
[Phasic changes in heart rate following acoustic stimuli during natural human sleep] Baust W, et al.
Pfluegers Arch 324:165-75, 1971 (Ger)
[Human reaction to sound, tone, light and color] Polster HG. Rehabilitation (Bonn) 22:1-3, Jun 69 (Ger)
[Clinical significance of the arterial circulatory sounds over the orbit] Schmidtke I, et al.
Verh Dtsch Ges Kreislaufforsch 36:365-9, 1970 (Ger)
[The influence of sound stimulation with pure tone on nuclear volume and content of nissl-substance in the nerve cells of the cochlear nuclei in the guinea-pig] Wüstenfeld E, et al.
Z Anat Entwicklungsgesch 131:353-63, 1970 (Ger)
[Behavior of the intrathoracic cavity in passage of low-frequency sound and its diagnostic importance. 3. Comparative clinical-physiological examinations in changed respiratory mechanics] Böhme H.
Z Erkr Atmungsorgane 132:315-23, 1970 (Ger)
[Behavior of the intrathoracic cavity in passage of low-frequency sound and its diagnostic importance. IV. Sound passage on infiltrating lung changes] Böhme H.
Z Erkr Atmungsorgane 132:325-35, 1970 (Ger)
[Study of the sound absorption effect of light construction plates made of foam polystyrol] Henkel W, et al. Z Gesamte Hyg 17:394-6, Jun 71 (Ger)
[Detection of average evoked responses to auditory stimuli by use of a multifilter system] Abe H.
J Otolaryngol Jap 74:230-43, Feb 71 (Jap)
[Intrauterine fetal reaction to acoustic stimuli] Arayama T.
J Otolaryngol Jap 73:1885-907, Dec 70 (Jap)
[Experimental study on morphological changes and injuries of auditory hairs in the organ of corti due to sound stimulation] Murakami Y.
J Otolaryngol Jap 73:1454-64, Sep 70 (Jap)
[Case of verttigo induce by sound stimulation] Yamanaka Y, et al.
J Otolaryngol Jap 73:1936-42, Dec 70 (Jap)
[Electron microscopic study of the inner ear in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

soundproof environment--comparison with ordinary and noisy environment] Yatsuhashi S.
J Otolaryngol Jap 74:184-216, Feb 71 (Jap)
[Dominancy of cerebral hemisphere to complex sounds consisting of the combination of narrow band noises] Tsunoda T. Med Biol (Tokyo) 81:53-6, 10 Aug 70 (Jap)
[Development of speech in children. 7. Changes of speech sound frequency in conversation of children] Nakanishi Y, et al.
Otolaryngology (Tokyo) 43:473-80, Jun 71 (Jap)
[Plans for the construction of sound-proof rooms and accessary equipment] Sakabe N.
Otolaryngology (Tokyo) 42:1029-37, Dec 70 (Jap)
[On the susceptibility of DBA-2 inbred mouse to audiogenic seizure] Ikedah, et al.
Psychiatr Neurol Jap 72:1047-50, Nov 70 (Jap)
[Distinction and discrimination of speech sounds in a 1-syllable test for children] Pruszewicz A, et al.
Otolaryngol Pol 24:447-51, 1970 (Pol)
[Dynamics of the formation and bonding of ammonia in rat brain tissue under the influence of acoustic stimulation inducing convulsions] Pogodaev KI, et al.
Biull Eksp Biol Med 66:46-9, Nov 68 (Rus)
[Effect of nicotine on the development of audiogenic convulsions in animals of various ages] Zakhariia EA, et al. Biull Eksp Biol Med 69:24-5, Mar 70 (Rus)
[Distribution of acoustic oscillations in the air passages of the lungs] Nemerovskiĭ LI.
Nov Med Friborostr 2:110-5, 1970 (Rus)
[Pulmophonographic study of healthy subjects] Vinitskaia RS, et al.
Nov Med Friborostr 2:116-21, 1970 (Rus)
[Determination of the acoustic impedance of the human respiratory system] Zelivianskaia LI, et al.
Nov Med Friborostr 2:135-9, 1970 (Rus)
[Effect of sound stimulation on the level and nucleotide composition of neuronal RNA from the Deiters' vestibular nucleus of the brain of rats from 2 lines] Maksimovskiĭ LF.
Tsitologiia 12:887-93, Jul 70 (Rus)

DIAGNOSTIC USE

[Reactions of the newborn infant to calibrated sound stimulation] Lepage F, et al.
Gynecol Obstet (Paris) 69:467-78, Nov-Dec 70 (Fre)

INSTRUMENTATION

Sound-pressure distribution and cavity resonances for a new artificial voice. Tarnow V.
J Acoust Soc Am 49:1704-8, Jun 71

SOY BEANS (J)

Dietary protein quality in infants and children. IV. A corn-soy-milk blend. Graham GG, et al.
Am J Clin Nutr 24:416-22, Apr 71
The cause of pancreatic enlargement in rats fed raw soybean. Beswick IP, et al.
Br J Exp Pathol 52:252-5, Jun 71
An assessment of the nutritive value f a maize-soya mixture, 'Soy-Ogi', as a weaning food in Nigeria. Akinrele IA, et al. Br J Nutr 26:177-85, Sep 71
Changes in the metabolism of vitamin B12 and methionine in rats fed unheated soya-bean flour. Edelstein S, et al. Br J Nutr 24:735-40, Sep 70
The effect of trypsin inhibitors on pancreatopeptidase E, trypsin, chymotrypsin and amylase in the pancreas and intestinal tract of chicks receiving raw and heated soya-bean diets. Gertler A, et al.
Br J Nutr 24:893-904, Dec 70
Digestion of concentrates in sheep. 1. The effect of increasing the concentration of soya-bean meal in a barley diet on apparent disappearance of feed constituentsalong the digestive tract. Orskov ER, et al. Br J Nutr 25:225-33, Mar 71
Effec of photo-induction on the transaminase actiity of glycine-aspartate system in bilioxi soybean. Sirohi GS, et al. Indian J Exp Biol 8:23-4, Jul 70
Flavor and flatulence factors in soybean protein products. Rackis JJ, et al.
J Agric Food Chem 18:977-82, Nov-Dec 70
Absorption, translocation, and metabolism of p-nitrophenyl-alpha, alpha, alpha-trifluoro-2-nitro-p-tolyl ether by soybeans. Rogers RL. J Agric Food Chem 19:32-5, Jan-Feb 71
Nutritional adequacy of soy isolate infant formulas in rats. cCholine. Theuer RC, et al.
J Agric Food Chem 18:913-6, Sep-Oct 70
The food processing front of the seventies. Bird K.
J Am Diet Assoc 58:103-8, Feb 71
Soybean milk. Shih VE. J Am Diet Assoc 57:520-2, Dec 70
Soy flour as a protein source for early-weaned pigs. Lennon AM, et al. J Anim Sci 33:514-9, Aug 71
Effects of feeding alkali-treated oat straw supplemented with soybean meal or nonprotein nitrogen on growth of lambs and on certain blood and rumen liquor parameters. Saxena SK, et al.
J Anim Sci 33:485-90, Aug 71
Effect of cooked soybeans on performance, fatty acid composition and pork carcass characteristics. Wahlstrom RC, et al. J Anim Sci 32:891-4, May 71
Symposium on microbial changes in foods. Application of microbial proteases to soybean and other materials to improve acceptability, especially through the formation of plastein. Fujimaki M, et al.
J Appl Bacteriol 34:119-31, Mar 71
Goitrogenic effects of a corn silage--soybean meal supplemented ration. Hemken RW, et al.
J Dairy Sci 54:85-8, Jan 71
Causes of the increased requirement for vitamin B 12, in rats subsisting on an unheated soybean flour diet. Edelstein S, et al. J Nutr 100:1377-82, Dec 70
Influence of the branched-chain volatile fatty acids and phenylacetate on rminal microorganisms and nitrogen utilization by steers fed urea or isolated soy protein. Oltjen RR, et al. J Nutr 101:101-12, Jan 71
Effects of aldehyde treatment of soybean meal on in vitro ammonia release, solubility and lamb performance. Peter AP, et al.
J Nutr 101:605-11, May 71
Isoelectric fractionation and some properties of a protease from soyabean seeds. Catsimpoolas N, et al.
J Sci Food Agric 22:79-82, Feb 71
Studies on the processing and properties of soymilk. I. Effect of preprocessing conditions on the flavour and compositions of soymilks. Khaleque A, et al.
J Sci Food Agric 21:579-83, Nov 70
Urinary tract allergy. Unger DL. J Urol 105:867, Jun 71
The effect of dietary soybean trypsin-inhibitor on the histology of dog pancreas. Patten JR, et al.
Life Sci [II] 10:145-50, 8 Feb 71
Endotrophic vesicular-arbuscular mycorrhizae on soybean in Florida. Schenck NC, et al.
Mycologia 63:672-5, May-Jun 71
Cytokinin-like activity of 8-quinolinol sulphate. Rameshwar A, et al.
Nature (Lond) 228:1224-5, 19 Dec 70
Ribulose diphosphate carboxylase regulates soybean photorespiration. Ogren WL, et al.
Nature [New Biol] 230:159-60, 31 Mar 71
Soybean sensitivity: case report. Mendoza J, et al.
Pediatrics 46:744-6, Nov 70
Nutritional value of soybeans in the diet of depancreatized chickens. Lepkovsky S, et al.
Poult Sci 49:942-9, Jul 70
The response of chicks to sodium sulfate supplementation of a corn-soy diet. Ross E, et al.
Poult Sci 49:1605-10, Nov 70
Leucyl transfer RNA synthetase changes during soybean cotyledon senescence. Bick MD, et al.
Proc Natl Acad Sci USA 68:224-8, Jan 71
Isolation of an organ-specific leucyl-tRNA synthetase from soybean seedling. Kanabus J, et al.
Proc Natl Acad Sci USA 68:873-6, May 71
The effect of diets containing soya products on the passage of digesta through the alimentary tract of the pre-ruminant calf. Smith RH, et al.
Proc Nutr Soc 29:Suppl:6A-7A, May 70
The effect of raw soybean on the pancreas of adult dogs. Patten JR, et al.
Proc Soc Exp Biol Med 137:59-63, May 71
Pelleting of soybean (Glycine max) seeds with activated charcoal and humus. Iswaran V, et al.
Zentralbl Bakteriol [Naturwiss] 126:45-7, 1971
Correlation analysis of criteria of symbiotic nitrogen. Fixation by soybeans (Glycine max Merr.). Martinez CJ, et al.
Zentralbl Bakteriol [Naturwiss] 124:212-6, 1970
[Practical evaluation of culture media with SCA basis produced by the Serology and Vaccine Institute] Resl V Jr, et al. Cesk Dermatol 46:29-38, Feb 71 (Cze)
[Nitrogen balance in an nutritional study with TVP] Althoff JD. Med Klin 65:1204-7, 19 Jun 70 (Ger)
[Endogenous formation of polycyclic hydrocarbons in higher plants. 8. Carcinogenic hydrocarbons in the human environment] Grimmer G, et al.
Z Naturforsch [B] 25:1171-5, Oct 70 (Ger)
[A method for preparing radioactive labeled phosphatides using soybeans in vivo] Hölzl J, et al.
Z Naturforsch [B] 26:425-34, May 71 (Ger)
[Rhizobium and other bacteria in the root nodules of leguminous plants. I. Sterilization of the surface of root nodules of Soja max] Manninger E, et al.
Zentralbl Bakteriol [Naturwiss] 124:684-7, 1970 (Ger)
[Experimental stdy of nutrition in young animals. (43-1). Nutritional experiment using soybean flour and defatted soybean flour] Shoji M.
Acta Paediatr Jap 74:954-9, Nov 70 (Jap)
[Experimental study on the nutrition of suckling animals. 43-2. Effect of bean-flour and extracted bean-flour on nutrition and experimental dental caries in rats] Shoji S.
Shikwa Gakuho 70:1573-80, Dec 70 (Jap)
[Urease in seeds of Citrullus colocynthis (L.) Schrad found in Poland] Kostecka-Mądalska O.
Acta Pol Pharm 27:397-400, 1970 (Pol)
[Interruption of proteolysis using insoluble inhibitors] Mosolov VV, et al.
Dokl Akad Nauk SSSR 191:951-2, 1970 (Rus)

ANALYSIS

Crystalline leghemoglobin. 13. Sedimentation studies. Behike J, et al. Acta Chem Scand 25:746-7, 1971
Separation of soybean isoflavones from their 5-hydroxy derivatives by thin-layer chromatography. Wang LC.
Anal Biochem 42:296-8, Jul 71
Purification and some properties of a non-haem iron protein from the bacteroids of soya-bean (Glycine max Merr) nodules. Koch B, et al.
Biochem J 118:773-81, Aug 70
Porphyrin biosynthesis in soybean callus. V. The porphobilinogen deaminase-uroporphyrinogen cosynthetase system. Kinetic studies. Llambías EB, et al. Biochim Biophys Acta 220:552-9, 16 Dec 70
Effects of cowpea chlorotic mottle virus (soybean strain) on chemical composition of Davis soybeans. Harris HB, et al.
J Agric Food Chem 18:911-2, Sep-Oct 70
Direct determination of sodium in soybean oil by flame photometry. Black LT.
J Am Oil Chem Soc 47:313-5, Sep 70
The amino acid sequence of the amino terminal region of soybean trypsin inhibitor (Kunitz). Ikenaka T, et al.
J Biochem (Tokyo) 69:251-3, Jan 71
Studies on the nutritional value of tempeh. 3. Changes in biotin and folic acid contents during tempeh fermentation. Murata K, et al.
J Vitaminol (Kyoto) 16:281-4, 10 Dec 70
Studies on the nutritional value of tempeh. IV. Biosynthesis of folate compounds with Rhizopus oligosporus. Sanke Y, et al.
J Vitaminol (Kyoto) 17:96-100, 10 Jun 70

SPACE FLIGHT (J)

see also related
EXTRATERRESTRIAL ENVIRONMENT (G3)
SEALED CABIN ECOLOGY (G3)
WEIGHTLESSNESS (H)

Introduction--Biosatellite 3 results. Adey WR, et al.
Aerosp Med 42:273-80, Mar 71
Animal restraint: application in space (weightless) environment. Burton RR, et al.
Aerosp Med 41:1060-5, Sep 70
Detailed study of contaminant production in a space cabin simulator at 258 mm. mercury. Conkle JP, et al.
Aerosp Med 41:1031-8, Sep 70
Biosatellite post-flight experiment: some effects of forced electrolyte imbalance in Macaca nemestrina. Durham RM, et al. Aerosp Med 42:177-82, Feb 71
Circadian rhythms of the Macaca nemestrina monkey in Biosatellite 3. Hahn PM, et al.
Aerosp Med 42:295-304, Mar 71
Sleep and wake states in the Biosatellite 3 monkey: visual and computer analysis of telemetered electroencephalographic data from earth orbital flight. Hanley J, et al. Aerosp Med 42:304-13, Mar 71
Brain study in balloon-borne monkeys exposed to cosmic rays. Haymaker W, et al.
Aerosp Med 41:989-1002, Sep 70
Tolerances to thermal extremes in aerospace activities. Iampietro PF. Aerosp Med 41:1278-81, Nov 70
Crew performance as a factor of information input. McKenzie RE. Aerosp Med 42:337-9, Mar 71
Soyuz-9 flight, a manned biomedical mission. Mandrovsky BN. Aerosp Med 42:172-7, Feb 71
Cardiovascular observations of the Macaca nemestrina monkey in Biosatellite 3. Meehan JP, et al.
Aerosp Med 42:322-36, Mar 71
Head cooling in work and heat stress. Nunneley SA, et al. Aerosp Med 42:64-8, Jan 71
Life on orbital stations. Parin V.
Aerosp Med 41:1415 passim, Dec 70
Soviet research in space medicine. Parin VV, et al.
Aerosp Med 42:339-40, Mar 71
Thermal loads in lunar ambulation. Stolwijk JA.
Aerosp Med 41:1286-8, Nov 70
Analysis of 10 minutes of physiological data from the Biosatellite 3 from lift-off to orbital insertion. Tejada RI, et al. Aerosp Med 42:281-7, Mar 71
Digital computer analysis of neurophysiological data from Biosatellite 3. Walter DO, et al.
Aerosp Med 42:314-21, Mar 71
Health surveillance of Lunar Receiving Laboratory personnel during the Apollo 11 quarantine period. Brooks GF. Am J Public Health 60:1956-9, Oct 70
Quantitative and qualitative microbiological profiles of the Apollo 10 and 11 spacecraft. Puleo JR, et al.
Appl Microbiol 20:384-9, Sep 70
A psychiatrist in space? Br Med J 1:245-6, 30 Jan 71
Flashes in astronaut's eyes. Br Med J 4:510, 28 Nov 70
Rescue in space. Br Med J 4:321-2, 7 Nov 70
Flashes in astronaut's eyes. Br Med J 2:726, 26 Jun 71
Mnaement of metabolic waste in the space environment. Capps WF Jr, et al.
Dis Colon Rectum 14:32-7, Jan-Feb 71
Relationship between urinary excretion of 17-hydroxycorticosteroids and glycosaminoglycans. Kastelan M, et al. Experientia 26:937-9, 26 Sep 70
The vestibular aspects of space flights. Shapiro SL.
Eye Ear Nose Throat Mon 49:95-9, Feb 70
Aerospace toxicology. II. Toxicological evaluation of materials associated with spacecraft. Back KC.
Fed Proc 29:2006-9, Nov-Dec 70
Aerospace toxicology. I. Propellant toxicology. Back KC. Fed Proc 29:2000-5, Nov-Dec 70
Dosimetry of proton radiation fields in space with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

nuclear emulsions. Schaefer HJ, et al. Health Phys 19:663-70, Nov 70
Aerospace technology for health care use. Richards JT Jr. Hosp Manage 110:28-33, Sep 70
Beyound the moon--some problems in space medicine. Wagner BM. J Clin Pathol 24:289-94, May 71
Urine collection problems in the space program. Walkup JL, et al. J Urol 104:898-901, Dec 70
To sterilize an astronaut. Taylor FW. JAMA 216:522, 19 Apr 71
Possible effects of space cabin environments on drugs. Bitter HL. Milit Med 135:495-9, Jun 70
Generation of Cherenkov light flashes by cosmic radiation within the eyes of the Apollo astronauts. Fazio GG, et al. Nature (Lond) 228:260-4, 17 Oct 70
Space flight: death on re-entry. Nature (Lond) 232:78, 9 Jul 71
The medical problems of space flight. Bergin KG. Nurs Times 67:787-9, 1 Jul 71
Balance studies of astronauts. Nutr Rev 28:256-60, Oct 70
Medical applications of space science research, 1. Postgrad Med 50:37-8, Aug 71
[Psychologic reactions following biologic rhythm disturbances during space flights] Chemin P. Ann Med Psychol (Paris) 127:227-32, Jul 69 (Fre)
[Vision on another world: the moon exploration] Guillaumat L. Ann Ocul (Paris) 204:523-30, May 71 (Fre)
[Role of environmental factors in biologic rhythms: application to astronautics] Chemin P. Presse Therm Climat 107:58-62, 1970 (Fre)
[Problems presented by the rhythm wakefulness--sleep in the course of cosmic flights] Chemin P. Rev Corps Sante Armees 10:575-84, Oct 69 (Fre)
[Physiologic and physiopathologic effects of transverse accelerations in aerospace medicine] Violette F, et al. Rev Corps Sante Armees 10:523-46, Oct 69 (Fre)
[Physiological viewpoints on the production of artificial gravity in a spacestation using centrifugal force] Grohmann R. HNO 19:50-1, Feb 71 (Ger)
[Contribution of biotechnology to aviation and space flight] Gerathewohl SJ. Munch Med Wochenschr 113:1117-24, 13 Aug 71 (Ger)
[Notes on space laws] Ambrosini A. Minerva Med 61:1391-4, 7 Apr 70 (Ita)
[Ophthalmologic problems during space flight] Bietti G. Minerva Med 61:1383-8, 7 Apr 70 (Ita)
[Oxygen replenishment and carbon dioxide elimination in space vehicles] Cianetti E. Minerva Med 62:1271-6, 24 Mar 71 (Ita)
[Men together] Cianetti E. Minerva Med 61:1401-3, 7 Apr 70 (Ita)
[The legal status of cosmonauts] Del Pozzo CU. Minerva Med 61:1389-90, 7 Apr 70 (Ita)
[Medical aspects of the Apollo programme] Haaland JA. Minerva Med 61:5732-40, 12 Dec 70 (Ita)
[Methods of biological data detection and transmission during space missions and their present use in clinical medicine] Judica-Cordiglia A. Minerva Med 61:5723-31, 12 Dec 70 (Ita)
[Psycho-physical behavior of cosmonauts during space flight] Lomonaco T. Minerva Med 61:5707-22, 12 Dec 70 (Ita)
[Physiopathological conditions of humans living in polar or desert regions] Lomonaco T. Minerva Med 61:3960-5, 15 Sep 70 (Ita)
[Man and his relations to the environment and with the handling of space vehicles] Scano A. Riv Med Aeronaut Spaz 34:111-37, Jan-Jun 71 (Ita)
[Microbiological problems of space flight: selection of astronauts from the microbiological viewpoint] Sulli E. Riv Med Aeronaut Spaz 32:63-101, Jan-Mar 69 (Ita)
[Space flight medicine] Sem-Jacobsen CW. Nord Med 85:543-4, 29 Apr 71 (Nor)
[Medicine and astronautics] Haduch S. Pol Tyg Lek 25:1723-6, 9 Nov 70 (29 ref.) (Pol)
[Problems of space genetics] Dubinin NP. Izv Akad Nauk SSSR [Biol] 5:669-81, Sep-Oct 67 (Rus)
[Some characteristics of the physiological reactions of pilots during simulated egress from a spacecraft] Maksimov DG, et al. Izv Akad Nauk SSSR [Biol] 5:682-94, Sep-Oct 67 (Rus)
[Immunologic problems of closed spaces and gnotobiology] Lebedev KA, et al. Usp Sovrem Biol 71:235-52, Mar-Apr 71 (149 ref.) (Rus)
[Effect of some factors in conditions of space flight on the course of experimental staphylococcal infection in albino mice] Prokhorov VIa, et al. Zh Mikrobiol Epidemiol Immunobiol 47:52-6, Nov 70 (Rus)
[Chromosome mutations induced by space flight factors in barley seeds during the flight of the automatic stations Zond-5 and Zond-6 around the moon] Nuzhdin NI, et al. Zh Obshch Biol 31:72-83, Jan-Feb 70 (Rus)
[Space medicine] ADM 27:255-8, May-Jun 70 (Spa)

HISTORY

[The "Apollo 14" space mission] Lomonaco T. Minerva Med 62:1261-5, 24 Mar 71 (Ita)
["Hey, we've got a problem here". Physiopathological considerations on the dramatic flight of Apollo 13] Lomonaco T. Minerva Med 61:3910-21, 15 Sep 70 (Ita)
[Past and future of astronautics] Maraldi U. Minerva Med 62:1266-70, 24 Mar 71 (Ita)

SPACE MAINTENANCE see under

ORTHODONTICS, PREVENTIVE (E6)

SPACE PERCEPTION (F1)

The influence of unilateral labyrinthectomy on orientation in space. Friedmann G. Acta Otolaryngol (Stockh) 71:289-98, Apr 71
Binocular coordination: feedback of synchronization of eye movements for space perception. Smith KU, et al. Am J Optom 47:879-89, Sep 70
Symmetry of letters as a factor in tachistoscopic recognition. Bryden MP. Am J Psychol 81:513-24, Dec 68
Studies on the speed of accommodation during space perception. Suzumura A. Annu Rep Res Inst Environ Med Nagoya Univ 18:73-82, 1970
Spatial vision. Bishop PO, et al. Annu Rev Psychol 22:119-60, 1971 (201 ref.)
Loss of the ability to perceive the spatial orientation of a rod after posterior right brain damage. De Renzi E, et al. Brain Res 34:545-6, 18 Dec 70
Vestibular and non-dominant parietal lobe disorders. (Two aspects of spatial disorientation in man). Barlow JS. Dis Nerv Syst 31:667-73, Oct 70
Hemispheric cerebral dominance. Benton AL. Isr J Med Sci 6:294-303, Mar-Apr 70 (28 ref.)
Behavioral deficits in monkeys after selective lesions within the middle third of sulcus principalis. Butters N, et al. J Comp Physiol Psychol 76:8-14, Jul 71
Role of monkeys' spatial preferences in performance of a nonspatial task. Glick SD, et al. J Comp Physiol Psychol 73:56-61, Oct 70
A factor analysis of perceptual and motor abilities of dental students. Zullo TG. J Dent Educ 35:356-61, Jun 71
Discrimination of spatially confusable letters by young children. Asso D, et al. J Exp Child Psychol 11:11-20, Feb 71
Regions of brightness and darkness in the sequential presentation of partially overlapping straight lines. Stanley G, et al. J Exp Psychol 88:314-8, Jun 71
The role of spatial visualization in verbal problem solving. Furby L. J Gen Psychol 85:149-50, Jul 71
Human brightness perception near sharp contours. Davidson M, et al. J Opt Soc Am 61:530-6, Apr 71
The perceived spatial frequency shift: evidence for frequency-selective neurones in the human brain. Blakemore C, et al. J Physiol (Lond) 210:727-50, Oct 70
The representation of three-dimensional visual space in the cat's striate cortex. Blakemore C. J Physiol (Lond) 209:155-78, Jul 70
Behavioural study of brain damage following profound hypoxia. Brierley JB, et al. J Physiol (Lond) 211:Suppl:48P+, Dec 70
Effect of environmental experience on spatial ability in an East African society. Munroe RL, et al. J Soc Psychol 83:15-22, Feb 71
Theoretical analysis of binocular space perception. Baislev E, et al. J Theor Biol 31:77-100, Apr 71
Binocular space and its representation by cellular assemblies in the brain. Leibovic KN, et al. J Theor Biol 28:513-29, Sep 70
Binocular vision and pattern recognition. Leibovic KN, et al. Kybernetik 8:14-23, Jan 71
Mislocalization in visual space with particular reference to the midline at the boundary of a homonymous hemianopia. Corin MS, et al. Neurology (Minneap) 20:378-9, Apr 70
Sex-linked inheritance of spatial ability. Hartlage LC. Percept Mot Skills 31:610, Oct 70
Children's spatial representation of directional movement and figure orientations along horizontal and vertical dimensions. Kershner JR. Percept Mot Skills 31:841-2, Oct 70
Two-point discrimination: asymmetry in spatial discrimination on the two sides of the tongue, a preliminary report. McCall GN, et al. Percept Mot Skills 32:368-70, Apr 71
Spatial creativity in second year architecture students. Schmidt HE. Percept Mot Skills 31:561-2, Oct 70
Stereology: applications to biomedicalresearch. Elias H, et al. Physiol Rev 51:158-200, Jan 71 (60 ref.)
Studies in visual perception of architectural spaces and rooms. II. Judgments of open and closed space by category rating and magnitude estimation. Gärling T. Scand J Psychol 10:257-68, 1969
Studies in visual perception of architectural spaces and rooms. Gärling T. Scand J Psychol 10:250-6, 1969
Space perception in early infancy: perception within a common auditory-visual space. Aronson E, et al. Science 172:1161-3, 11 Jun 71
[Kinesthesia and spatial orientation. Reproduction of an elementary movement in children aged of 4 or 5 years with experimental visual deafferentation] Salzarulo P, et al. Annee Psychol 71:19-29, 1971 (Fre)
[Perception of displacements and identity judgments in children of preschool age] Vurpillot E, et al. Annee Psychol 71:31-52, 1971 (Fre)
[Preliminary note on changes in spatial localization during ocular movements] Déodati F, et al. Bull Soc Ophtalmol Fr 69:208-11, Feb 69 (Fre)
[Study of a case of unilateral spatial agnosia] Rohmer F, et al. Rev Otoneuroophtalmol 43:41-6, Jan-Feb 71 (Fre)
[Cerebral hemispheric dominance and simultaneous perception of verbal and non-verbal stimuli] Perret E, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:87-95, 1970 (Fre)
[Influence of vestibular lesions on space orientation] Friedmann G. Z Laryngol Rhinol Otol 50:370-5, May 71 (Ger)
[Right parieto-temporo-occipital carrefour syndrome. Serial study of a case operated on for glioblastoma of the region] Anepeta L, et al. Arch Psicol Neurol Psichiatr 30:270-92, May-Jun 69 (Ita)
[Geodetic findings and the curvature of visual space] Imbasciati A. Arch Psicol Neurol Psichiatr 31:212-50, May-Jun 70 (Ita)
[Speech and temporospatial disorders: an experiment with the Language Master] Bonistalli E, et al. Riv Neurobiol 16:225-8, Apr-Jun 70 (Ita)
[Studies on the fluctuation of accommodation during the space perception and the mechanism of the onset of asthenopia] Suzumura A, et al. Acta Soc Ophthalmol Jap 74:1183-9, Sep 70 (Jap)
Unilateral spatial agnosia and phenomena of sensory extinction--a case of right internal carotid thrombosis] Endo M, et al. Psychiatr Neurol Jap 72:902-13, Sep 70 (Jap)
[The role of the retina's antenna properties in analysis of visual space] Shaftor EP. Fiziol Zh SSSR 56:137-43, Feb 70 (Rus)
[Spatial analysis and poly-analyzer convergence in the monkey cerebral cortex] Egorova MP. Nerv Sist 9:99-102, 1968 (Rus)
[The importance of cortical vestibular projection zones in elaboration of vestibular conditioned reflexes and in spatial orientation in cats] Gorgiladze GI. Zh Vyssh Nerv Deiat 20:663-5, Jul-Aug 70 (Rus)
[Perception neurons in fish and their properties] Loginov BV, et al. Zh Vyssh Nerv Deiat 21:135-43, Jan-Feb 71 (Rus)

DRUG EFFECTS

Effects of amobarbital sodium on the acquisition and extinction of a lever-press spatial discrimination in the rat. Rosen AJ. Arch Int Pharmacodyn Ther 188:112-8, Nov 70

SPARGANOSIS (C1)

[Surgical parasitic diseases. 2. Sparganosis mansoni] Tsushima K, et al. Iryo 25:407-8, Jun 71 (Jap)

DIAGNOSIS

[Sub-conjunctival cysticercus cyst. Differential diagnosis with ocular sparganosis] Michiels J, et al. Bull Soc Belge Ophtalmol 155:560-75, Jun 70 (Fre)

PHYSIOPATHOLOGY

Growth stimulating effect of experimental sparganosis in thyroidectomized and hypophysectomized rats, and comparative activity of different species of Spirometra. Mueller JF. J Parasitol 54:795-801, Aug 68

SPARGANUM see under CESTODA (B1)

SPARTEINE (D2, D5)

ADMINISTRATION & DOSAGE

[Therapy of the most important arrythmias] Siebner H. Dtsch Med Wochenschr 95:2203, 23 Oct 70 (Ger)

BIOSYNTHESIS

Biosynthesis of lupin alkaloids from 14CO2 evidence for the independent formation of lupanine and sparteine. Cho YD, et al. J Am Chem Soc 93:2087-9, 21 Apr 71

METABOLISM

[Screening tests of microorganisms for the microbial transformation of griseophenone A, N-methylcocIaurine and sparteine] Isaka H, et al. Bull Natl Inst Hyg Sci (Tokyo) 88:144-9, 1970 (Jap)

PHARMACODYNAMICS

Comparative psychopharmacologic investigation of cryogenine, certain non-steroid anti-inflammatory compounds, lupin alkaloids and cyproheptadine.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Nucifora TL, et al.
Arch Int Pharmacodyn Ther 191:345-56, Jun 71
[Influence of sparteine sulfate "Weiss" on the normal EEG of adults] Lehmann H, et al.
Z Aerztl Fortbild (Jena) 65:24-7, 1 Jan 71 (Ger)
[Effects of uterus contraction agents] Otani I.
J Jap Obstet Gynecol Soc 22:1309-16, Dec 70 (Jap)
[Effects of sparteine on uterus contractility during labor] Dipont M. Ginekol Pol 42:657-63, May 71 (Pol)
[Application of sparteine sulfate and dolantin in induced labor] Pietrzykowski M, et al.
Ginekol Pol 41:989-92, Sep 70 (Pol)

POISONING

[Ajmaline sparteine antazoline intoxication] Larbig D, et al.
Munch Med Wochenschr 112:1798-804, 2 Oct 70 (Ger)

THERAPEUTIC USE

[Effect of sparteine sulfate on mechanically produced extrasystole in humans] Wick E, et al.
Med Welt 8:303-6, 20 Feb 71 (Ger)
[Quantitative comparative studies on the changing of the ventricular fibrillation threshold by antifibrillatory substances] Diederich KW, et al.
Z Kreislaufforsch 59:736-43, Aug 70 (Ger)
[Results of treatment with SEN DCS-1. Preliminary note on 24 patients] Pastor Franco A.
Rev Clin Esp 118:359-64, 31 Aug 70 (Spa)

SPASM (C10, C17)

see also related
MUSCLE CRAMP (C3)
MYOTONIA (C3)

An observation on post-operative spasm and its possible significance. Brice J.
J Neurol Neurosurg Psychiatry 33:718, Oct 70
Evidence for the release of two atropine-resistant spasmogens from Auerbach's plexus. Ambache N, et al. J Physiol (Lond) 207:761-82, May 70
Diffuse esophageal spasm. Kramer P.
Med Treat 7:1151-62, Nov 70

CHEMICALLY INDUCED

The writhing test with erythromycin. Gatti MT, et al.
Arzneim Forsch 20:1751-3, Nov 70
Studies on the receptors involved in the action of the various agents in the phenylbenzoquinone analgesic assay in mice. Smits SE, et al.
Br J Pharmacol 39:639-46, Jul 70
The duration of action of antinociceptive agents ad determined in mice using the arachidonic acid writhing test. Helfer H, et al.
Pharmacology 4:163-8, 1970
[Serious complications from myelography with meglumine iothalamate. An account of 324 lumbar myelographies together with a description of 2 cases of severe leg cramp] Boisen E, et al.
Nord Med 85:520-4, 29 Apr 71 (Dan)

CLASSIFICATION

Features which distinguish groups of spasmodic torticollis. Meares R. J Psychosom Res 15:1-11, Mar 71

COMPLICATIONS

Syndrome of hiatus hernia with torsion spasms and abnormal posturing (Sandifer's syndrome). Gellis SS, et al. Am J Dis Child 121:53-4, Jan 71
Effect of emotional stress on spasticity and rigidity. Boman K. J Psychosom Res 15:107-12, Mar 71
Natural history of spasmodic torticollis, and effect of surgery. Meares R. Lancet 2:149-50, 17 Jul 71
Transit time related to clinical findings in children with recurrent abdominal pain. Dimson SB.
Pediatrics 47:666-74, Apr 71
[Demonstration of four patients who have had infantile spasms and hypsarrhythmia with good prognosis] Brandt S, et al. Nord Med 85:809-10, 1 Jul 71 (Dan)

DIAGNOSIS

Grand-rounds whiplash: predisposing cause. Gilman HC. N Engl J Med 283:1235, 26 Nov 70
[Permanent pseudospasm of the mouth of the esophagus. Apropos of 3 cases] Gaillard J, et al.
Ann Otolaryngol Chir Cervicofac 87:692-7, Oct-Nov 70 (Fre)

DRUG THERAPY

Gaba derivative in spasticity.
(Beta-(4-chlorophenyl)-gamma-aminobutyric acid, Ciba 34.647-Ba). Pedersen E, et al.
Acta Neurol Scand 46:257-66, 1970
Preliminary report on the treatment of spasticity with 45 per cent ethyl alcohol injections into the muscles. Cockin J, et al. Br J Clin Pract 25:73-5, Feb 71
Intracarotid phenoxybenzamine for cerebral arterial spasm. Cummins BH, et al. Br Med J 1:382-3, 13 Feb 71
Management of spasticity in cerebral palsied children by peripheral nerve block with phenol. Spira R.
Dev Med Child Neurol 13:164-73, Apr 71
Favourable effect of intravenous diazepam on muscular spasms in the lower extremities following iothalamate (Conray) radiculography. Go KG, et al.
Eur Neurol 4:253-5, 1970
Drug treatment of spasticity. Burke D, et al.
Lancet 2:1131, 28 Nov 70
Drug treatment of spasticity. Lancet 2:918-9, 31 Oct 70
Effect of glycine on experimental hind-limb rigidity in rats. Stern P, et al. Life Sci [I] 9:955-9, 15 Aug 70
Torsion dystonia and spasmodic torticollis--results of treatment with L-dopa. Barrett RE, et al.
Neurology (Minneap) 20:107-13, Nov 70
Modification of the antinociceptive action of aminopyrine by an -adrenergic blocking agent (phentolamine) and 2 -adrenergic blocking drugs (propranolol, oxoprenolol). Jaques R, et al.
Pharmacology 5:89-96, 1971
The effects of dantrolene sodium on spasticity and motor performance in hemiplegia. Chyatte SB, et al.
South Med J 64:180-5, Feb 71
[Psychiatric prognosis of infantile spasms treated by ACTH or corticoids. Statistical analysis of 78 cases followed for more than one year] Chevrie JJ, et al.
J Neurol Sci 12:351-7, Mar 71 (Fre)
[Avafortan suppositories post-partum cramps] Geile P, et al. Lille Med Suppl 6:1345+, Nov 70 (Fre)
[Nitrolingual spray in coronary spasms] Kurz JF.
Z Allgemeinmed 46:1045-7, 20 Jul 70 (4 ref.) (Ger)
[Clinical experiences with a new spasmoanalgesic agent in double-blind test] Weber H.
Z Allgemeinmed 47:299-300, 28 Feb 71 (Ger)
[Anisotropine methylbromide (Valpin) in the treatment of spasms of the gastrointestinal system. Biometric study] Giovannelli CA, et al.
Minerva Med 61:5942-51, 22 Dec 70 (Ita)
[Papaverine--an obsolete preparation? A simple and clear conclusion] Naess K.
Tidsskr Nor Laegeforen 91:292-3, 10 Feb 71 (Nor)

ETIOLOGY

Posttraumatic intracranial arterial spasm. Report of three cases. Arseni C, et al.
Acta Neurochir (Wien) 24:25-35, 1971
Vasospasm with an indwelling radial artery cannula. Dalton B, et al. Anesthesiology 34:194-7, Feb 71
Thiamine deficiency presenting as opisthotonus. Sullivan TJ. J Pediatr 77:1092-3, Dec 70
The rigid form of Huntington's chorea. Bird MT, et al.
Neurology (Minneap) 21:271-6, Mar 71
[Penis captivus] Kvíz D.
Cesk Gynekol 36:266-8, Jun 71 (Cze)
[Muscle spasms of the legs after myelography. Clinical studies and electromyography] Tuvo F, et al.
Electromyography 10:183-91, May-Aug 70 (Fre)
[Flexion spasms in infants] Thieffry S, et al.
Rev Neuropsychiatr Infant 16:789-96, Oct-Nov 68 (Fre)
[On infantile myoclonic encephalopathy with spasms and hypsarrhythmia. Etiopathogenetic and clinico-therapeutic considerations] Buttitta P, et al.
Pediatria (Napoli) 78:253-75, 1970 (Ita)
[Excitation rhythm of the nerve groups. 3. Tremor and clonus--mechanism of rhythm generation] Oe C.
J Physiol Soc Jap 33:72-4, Feb 71 (Jap)
[Postcontusional spasm of accomodation in the myopic eye] Aleksankin VF, et al.
Oftalmol Zh 25:621-3, 1970 (Rus)
[Neurologic status in patients with spasm of accommodation] Vilina NIa, et al.
Oftalmol Zh 26:57-61, 1971 (Rus)

PATHOLOGY

On the problem of the pathology of spasmodic torticollis in man. Tarlov E.
J Neurol Neurosurg Psychiatry 33:457-63, Aug 70
Hepatosplenomegaly with opisthotonus in an infant. Bolande RP, et al. J Pediatr 79:142-50, Jul 71

PHYSIOPATHOLOGY

Phasic ankle reflex in spasticity and Parkinsonian rigidity. The role of the fusimotor system. Dietrichson P. Acta Neurol Scand 47:22-51, 1971
Infantile spasms and hypsarrhythmia. Charlton MH, et al.
Electroencephalogr Clin Neurophysiol 29:413, Oct 70
Evolution of the EEG changes in infantile spasm. Lesný I.
Electroencephalogr Clin Neurophysiol 30:275, Mar 71
A comparative analysis of H- and M-responses and of general muscular electrogenesis in spasticity. Novikova VP.
Electromyography 10:145-53, May-Aug 70
Ankle clonus--an autonomous central pace-maker? Walsh EG. J Physiol (Lond) 212:38P-39P, Jan 71
Electromyographic studies in patients with spasmodic torticollis. Meares R, et al.
J Psychosom Res 15:13-8, Mar 71
Electromyographic studies on the mechanism of pylorospasm following vagotomy. Shiratori T.
Jap J Smooth Muscle Res 6:141-6, Jun 70
Increased sensory outflow from muscles following tetanic stimulation of alpha motor nerve fibres. Hnik P, et al. Physiol Bohemoslov 19:49-54, 1970
An electromyographic analysis of spasticity. Lance JW, et al. Trans Am Neurol Assoc 95:272-4, 1970

PREVENTION & CONTROL

Intraarterial injection of procaine. Ng AC, et al.
Am J Roentgenol Radium Ther Nucl Med 111:791-3, Apr 71

RADIOGRAPHY

Roentgenographic appearance of canine histiocytic ulcerative colitis. Lawson TL, et al.
Am J Roentgenol Radium Ther Nucl Med 110:377-84, Oct 70

SURGERY

Spasmodic torticollis; results after cervical rhizotomy in 80 cases. Hamby WB, et al.
Clin Neurosurg 17:28-37, 1969
Stimulation and destruction of and around the interstitial nucleus of Cajal in man. Sano K, et al.
Confin Neurol 32:118-25, 1970

THERAPY

The orthopaedic management of brain-injured children. Hoffer MM, et al.
J Bone Joint Surg [Am] 53:567-77, Apr 71
Behavioral control of spasms using aversive conditioning with a cerebral palsied adult. Sachs DA, et al. J Nerv Ment Dis 152:362-3, May 71
Contralateral upper extremity cooling from a specific cold stimulus. Wolf SL. Phys Ther 51:158-65, Feb 71
[Phenolization of peripheral nerves. Technic and practical application] Mortier G, et al.
J Belge Rhumatol Med Phys 24:53-60, Mar-Apr 69 (Dut)

VETERINARY

Spastic, an hereditary neurological mutation in the mouse characterized by vertebral arthropathy and leptomeningeal cyst formation. Meier H, et al.
Exp Med Surg 28:24-38, 1970
Stringhalt in camels-case reports. Dhabiania DC, et al.
Indian Vet J 48:416-9, Apr 71
A report of 'congenital spasms' in sheep. Singh VK.
Indian Vet J 47:913-4, Oct 70

SPASMOLYTICS see under
PARASYMPATHOLYTICS (D5)

SPASMOPHILIA (C10)

BLOOD

[Digestive spasmophilia, erythrocyte magnesium and Vichy cure] De la Tour J, et al.
Sem Hop Paris 46:2534-7, 8 Oct 70 (Fre)

COMPLICATIONS

[Etiology of various muscle cramps of idiopathic aspect] Bisschop G de, et al.
Rev Neurol (Paris) 122:437-9, Jun 70 (Fre)
[Clinical, electroencephalographic and polygraphic studies of sleep in spasmophilia. Relation of spasmophilia to epilepsy, organic diseases of the nervous system, and neuroses] Rpopoviciu L, et al.
Rev Neurol (Paris) 123:266-7, Oct 70 (Fre)

DIAGNOSIS

[Contribution of electronystagmography to the diagnosis of spasmophilia] Bertoni R, et al.
Sem Hop Paris 47:633-6, 26 Feb 71 (Fre)

ETIOLOGY

Spasmophilia caused by magnesium deficit. Freyre AV, et al. Psychosomatics 11:500-1, Sep-Oct 70

METABOLISM

[Influence of induced hypocalcemia on the coefficient of glucose utilization: study in spasmophiliacs stricken with cataract] Klotz HP, et al.
Diabete 18:21-5, Jan-Mar 70 (Fre)

PHYSIOPATHOLOGY

Electropolygraphic studies of sleep in spasmophilia.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Aagjan B, et al.
Electroencephalogr Clin Neurophysiol 30:358, Apr 71
The value of electrographic data (EMG and EEG) for the clinical delimitation of spasmophilia. Călcîianu G.
Electroencephalogr Clin Neurophysiol 30:358, Apr 71
The clinical, EEG and polygraphic study of sleep in spasmophilia; its relation with epilepsy, organic disease of the nervous system and neuroses. Popoviciu L, et al.
Electroencephalogr Clin Neurophysiol 30:373, Apr 71

THERAPY

[Digestive spasmophilia, erythrocyte magnesium and Vichy cure] De la Tour J, et al.
Sem Hop Paris 46:2534-7, 8 Oct 70 (Fre)

SPATIAL BEHAVIOR (F1, I)

Spatiality--a concern of the psychoanalyst. Wenkart A.
Am J Psychoanal 30:145-54, 1970
Decreasing space--increasing problems? Perry GC.
Br Vet J 127:396, Aug 71
Spatial abilities and spatial egocentrism in the young child. Shantz CU, et al. Child Dev 42:171-81, Mar 71
Social and spatial density effects on spacing behaviour in preschool children. McGrew PL.
J Child Psychol Psychiatry 11:197-205, Dec 70
Effects of population density and living space upon neuroanatomy, neurochemistry, and behavior in the C57B1-10 mouse. Bell RW, et al.
J Comp Physiol Psychol 75:258-63, May 71
Effects of hippocampal lesions on cue utilization in spatial discrimination in rats. Means LW, et al.
J Comp Physiol Psychol 73:254-60, Nov 70
Expresson of emotion through family grouping schemata, distance, and interpersonal focus. Gerber GL, et al. J Consult Clin Psychol 36:370-7, Jun 71
Physical distance and persuasion. Albert S, et al.
J Pers Soc Psychol 15:265-70, Jul 70
Experimenter-subject "distance" and self-disclosure. Jourard SM, et al. J Pers Soc Psychol 15:278-82, Jul 70
Personal space as influenced by sex and type of movement. Hartnett JJ, et al.
J Psychol 76:139-44, Nov 70
Geometry for the selfish herd. Hamilton WD.
J Theor Biol 31:295-311, May 71
A free space-time traversal data-logging system for two human subjects. MacCulloch MJ, et al.
Med Biol Eng 7:593-9, Nov 69
What is signalled by proximity? Porter E, et al.
Percept Mot Skills 30:39-42, Feb 70
Role of spatial variables in conditioned conflict. Stewart RA, et al. Psychol Rep 27:415-9, Oct 70
Interpersonal spacing in natural settings. Baxter JC.
Sociometry 33:444-56, Dec 70
Space exploration in the animal clinic. We must adapt our services to the client's needs. Anteyes J.
Vet Med Small Anim Clin 66:707-10, Jul 71
[Spatial distance and visual attention as a measure of social interaction between child and adult. Observations on normal autistic and prenatally injured children] Castelli R.
Bibl Psychiatr 147:155-63, 1971 (Ger)

SPECIALISM (G2)

Nurse clinicians in industry. Cipolla JA, et al.
Am J Nurs 71:1530-4, Aug 71
Clinical nursing specialization and intershift report behavior. Georgopoulos BS, et al.
Am J Nurs 71:538-45, Mar 71
Clinical nurse specialist-- in name only. Moon ST.
Am J Nurs 71:546-8, Mar 71
The clinician's use of nursing rounds. Unangst C.
Am J Nurs 71:1566-7, Aug 71
Editorial. Things to remember. Muller G.
Int J Orthod 8:113-4, Sep 70
More power to the nurse specialist. Sturzl JA.
Nurs Outlook 18:48-9, Dec 70
Charting a new course. Nurs Times 67:847, 15 Jul 71
[Sacred cows] Sparrevohn S.
Ugeskr Laeger 133:36-8, 8 Jan 71 (Dan)
[Particular responsibilities and obligations of specialists] Bréhant J.
Presse Med 79:599-600, 13 Mar 71 (Fre)
[The need for specialization in the profession of veterinary medicine]
Schweiz Arch Tierheilkd 112:24-9, Jan 70 (Ger)
[Education and professional policy] Nef P.
Ther Umsch 27:416-8, Jul 70 (Ger)
[The teaching of pediatrics to graduates in Italy] Bulgarelli R. Minerva Pediatr 22:1312-8, 30 Jun 70 (Ita)
[Integration of pediatrics with the study of psychology, psychiatry and pedagogics. Problems of pediatric superspecialization] De Toni G.
Minerva Pediatr 22:1272-6, 23 Jun 70 (Ita)
[The diploma of the specialist]
Arq Bras Endocrinol Metabol 18:1-3, Apr 69 (Por)
[Part-time employment of physicians in various specialties (based on data of studies conducted in 4 districts of the RSFSR)] Kritskif EI.
Sov Zdravookhr 29:32-6, 1970 (Rus)
[Trends in studying the most important problems of higher medical education] Lisitsyn IuP, et al.
Zdravookhr Ross Fed 14:38-41, Oct 70 (Rus)
[Scientific and practical problems of pediatrics in the past, present and future] Fanconi G.
Minerva Pediatr 22:1263-6, 23 Jun 70 (Spa)

SPECIALTIES, DENTAL (G2)

Editorial. The lack of interspecialty communication. Salzmann JA. Am J Orthod 59:611-2, Jun 71
The performance of community oriented activities by specialist and generalist dental practitioners. Waldman HB. J Am Coll Dent 38:173-9 passim, Jul 71
Survey of drug usage in dental practice, 1969. IV. Drug products administered at the dental office; drug products dispensed to patients for home use. Bureau of Economic Research and Statistics.
J Am Dent Assoc 82:400-3, Feb 71
Quality control in dental education. Council on Dental Education. J Am Dent Assoc 82:1043-56, May 71
Survey of drug usage in dental practice, 1969. I. Introduction. Bureau of Economic Research and Statistics. J Am Dent Assoc 81:1179-81, Nov 70
Proposals for specialization in dentistry. Council on Education. J Can Dent Assoc 37:135-7, Apr 71
The lowering of specialization and research interests in dental school. Sherlock BJ.
J Dent Educ 35:478-84, Aug 71
A comparative study on the relationship between the specialist and the referring dentist. Brustein DD, et al.
J Periodontol 42:306-8, May 71
Editorial. Our explosive age. Auslander WP.
NY J Dent 41:95-6, Mar 71

EDUCATION

The relationship of the Council on Dental Education to the special areas of dental practice.
J Dent Educ 35:36-40, Feb 71

SPECIALTIES, MEDICAL (G2)

The medicine machine versus today's superspecialist--a study in anachronization. Lesse S.
Am J Psychother 24:377-9, Jul 70
The training of the chest physician. Williams MH Jr.
Am Rev Resp Dis 103:730-1, May 71
Oncology as a subspecialty? Fairey RN, et al.
Ann Intern Med 74:447-8, Mar 71
Women in surgery. Nadelson CC.
Arch Surg 102:234-5, Mar 71
The future and scope of pediatric surgery.
Arch Surg 101:635-7, Nov 70
Personality factors in choice of medical specialty. Mowbray RM, et al. Br J Med Educ 5:110-7, Jun 71
International medical congresses: opportunities, purposes and responsibilites. Wangensteen OH.
Bull Soc Int Chir 29:395-402, Nov-Dec 70
Oncology in medicine. Kennedy BJ.
CA 20:368-71, Nov-Dec 70
The role of the Advisory Board for Medical Specialties in postgraduate education. Larmon WA.
Clin Orthop 75:22-9, Mar-Apr 71
Oncology: an introduction to the cancer issue. Kennedy BJ. Geriatrics 25:95, Oct 70
The plans of our doctors in training. 2. Breed JE.
Ill Med J 138:602-3, Dec 70
Pediatric radiology: yes or no? Bose SK.
Indian Pediatr 7:529-31, Oct 70
Pediatric surgery in India. Some thoughts on its past, present and future. Gandhi RK.
Indian Pediatr 7:365-7, Jul 70
The modern concept of a geriatric service. Flanagan JJ.
Ir J Med Sci 3:363-9, Aug 70
New approach to the prediction of medical specialization: student-based strong vocational interest blank scales. Athelstan GT, et al.
J Appl Psychol 55:80-6, Feb 71
Editorial. The Quebec specialists' dilemma.
J Can Dent Assoc 37:1, Jan 71
The specialist and his nurse. Unused sources of primary medical care. Langhorne WH.
J Fla Med Assoc 58:38-9, Sep 71
Family practice in North America. Varamisra P.
J Med Assoc Thai 53:798-801, Nov 70
Intellectual, personality, and environmental factors in career specialty preferences. Paiva RE, et al.
J Med Educ 46:281-9, Apr 71
OU medical graduates: what they do. Everett MA.
J Okla State Med Assoc 63:554-5, Nov 70
The rationale for a specialty of adolescent medicine. Heald FP. J Periodontol 42:535-7, Aug 71
The changes in the name and status of The Board of Thoracic Surgery. Paulson DL.
J Thorac Cardiovasc Surg 61:330-2, Feb 71
Oncology as a teaching specialty. Bostick WL.
JAMA 214:1566, 23 Nov 70
Characteristics of male medical students related to their subsequent careers. Monk MA, et al.
Johns Hopkins Med J 127:254-72, Nov 70
Clinical research. Its contribution to biological thought. Himsworth H. Lancet 2:835-40, 24 Oct 70
Medical oncology. Southam CM. Lancet 2:709, 25 Sep 71
Medical oncology. Lancet 2:419, 21 Aug 71
Wither clinical biochemistry? Neale FC.
Med J Aust 1:803-9, 13 Mar 71
Focus on medical computer development.
Med J Aust 2:942, 21 Nov 70
The clinician. Med J Aust 2:707-8, 17 Oct 70
There is a new specialist in town. Donateile EP.
Minn Med 54:681 passim, Sep 71
"Unapproved" subspecialties. Bennett WM.
N Engl J Med 283:1057, 5 Nov 70
Medical specialties and their impact on medical education. Lawrence GH.
Northwest Med 70:475-7, Jul 71
Officers (1970-71) specialty societies affiliated with the institute of medicine of Chicago.
Proc Inst Med Chic 28:185-6, Sep 70
Some of the many faces of the practice of allergy.
Rev Allergy 25:278-85, Mar 71
Recognition of experience in general practice.
S Afr Med J 44:1169, 17 Oct 70
Specialty choice and attitudes toward medical specialists. Zimny GH, et al.
Soc Sci Med 4:257-64, Aug 70
[Therapeutic rehabilitation--a medical specialty] Balzar M. Cesk Zdrav 18:451-3, Oct 70 (Cze)
[Work capacity evaluation--a new specialty] Maixner J, et al. Cesk Zdrav 19:53-6, 1971 (Cze)
[Bibliography of scientific papers of the Charles' University Medical School in Hradec Králové] Horák J.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 1:7-82, 1970 (Cze)
[Reflections of a medical practitioner enrolled in the special course in industrial medicine] Paternotte L.
Brux Med 50:271-2, Apr 70 (Fre)
[The status of diabetology in the professional organizations] Stratmann FW.
Diabete Suppl:50-1, 28 Sep 68 (Fre)
[Current status and future of specialized medicine] Bréhant J. Presse Med 79:1184, 22 May 71 (Fre)
[Panel talk. The rheumatic patients in the clinic, practice and health resort. The patients of a city rheumatological practice] Beiart W.
Verh Dtsch Ges Rheumatol 1:324-8, 1969 (Ger)
[Panel talk. The rheumatic patients in the clinic, practice and health resort. The patients of a city rheumatological practice]
Verh Dtsch Ges Rheumatol 1:324-6, 1969 (Ger)
[The uninteresting case] Brandimeier P.
Z Allgemeinmed 47:594-5, 20 Apr 71 (Ger)
[Rheumatology: its education and teaching] Nava P.
Hospital (Rio de J) 78:729-44, Sep 70 (Por)
[Specialization and upgrading of physicians--public health administrators] Alekseev VA.
Sov Zdravookhr 29:37-42, 1970 (Rus)
[Specialized service for gastroenterologic patients] El'shtein NV. Sov Zdravookhr 30:31-6, 1971 (Rus)
[Regulation of patients' visits to physicians of different specialties in urban polyclinics] Komarov IuM.
Sov Zdravookhr 29:13-9, 1970 (Rus)
[Registration at a polyclinic in relation to the development of specialization] Maurer LA.
Sov Zdravookhr 29:25-8, 1970 (Rus)
[Analysis of the expenditure fo work time by regional pulmonary tuberculosis specialists and methodological approaches to the development of case load standards] Nisan GI, et al.
Sov Zdravookhr 30:44-8, 1971 (Rus)
[Angiology as a specialty] Arruda S.
Angiologia 21:90-2, Mar-Apr 69 (Spa)
[Past, present and future of surgery in Mexico. Teaching of specialists and regulations of the specialties] Ortiz-Monasterio F.
Gac Med Mex 100:716-20, Jul 70 (Spa)
[Oncological criterion in surgery. II. Oncological surgery in the different specialties] Pacheco CR.
Gac Med Mex 100:923-6, Sep 70 (Spa)
[The place of specialization in surgery] Brea MM.
Medicina (B Aires) 30:409-15, Jul-Aug 70 (Spa)
[The importance of the basic sciences in rheumatology] Astorga G. Rev Med Chil 98:842-5, 1970 (Spa)
[The Chilean Society of Rheumatology] Losada M.
Rev Med Chil 98:585-6, 1970 (Spa)
[More medical work--less referring to a specialist] Bunta S. Vojnosanit Pregl 28:89-90, Feb 71 (Cro)

EDUCATION

Gaps in venereology. Br Med J 2:547, 5 Jun 71
Postgraduate education and the proposed specialist register for consultants and general practitioners. Counihan HE. J Ir Med Assoc 63:327-30, 25 Sep 70
Postgraduate education and the proposed specialist register for consultants and general practitioners. Godber G. J Ir Med Assoc 63:318-21, 25 Sep 70
Postgraduate education and the proposed specialist register for consultants and general practitioners. Horder J. J Ir Med Assoc 63:322-6, 25 Sep 70
From whence to whither. Some reflections on surgical specialty training. Burford TH.
J Thorac Cardiovasc Surg 62:167-75, Aug 71
Evaluating postgraduate examinations. Parkhouse J.
Lancet 1:905-6, 1 May 71
The training of internists in cancer. Myers WP, et al.
Med Clin North Am 55:647-52, May 71 (3 ref.)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Education of a gynecologic oncologist. Gusberg SB. Obstet Gynecol 36:773-8, Nov 70
[Education for specialists] Yagre Laeger 19:1149-51, 1971 (Dan)
[Medical specialty schooling and progess in the Peoples Republic of Bulgaria] Petkov W. Dtsch Med J 20:358-61, 27 May 69 (Ger)
[Problems of specialization. Limitation or widening of the scope?] Fellinger K. Pneumonologie 143:93-100, 1970 (Ger)
[Basic principles in the profile of a Medical faculty] Bolck F, et al. Z Gesamte Hyg 14:846-52, Nov 68 (Ger)
[Oncological criterion in surgery. IV. Oncological riterion in the permanent education of the physician] Castelazo-Ayala L. Gac Med Mex 100:928-32, Sep 70 (Spa)
[Oncological criterion in surgery. I. Concept and implications of the oncological criterion in the practice of medicine] Zalce H. Gac Med Mex 100:919-22, Sep 70 (Spa)
[Oncological criterion in surgery. 3. Education of the oncological surgeon] Zalce H. Gac Med Mex 100:926-8, Sep 70 (Spa)

HISTORY

Twenty-five years of rheumatology. Copeman WS. Br J Clin Pract 25:55-7, Feb 71
[25 years of liberated Czechoslovak rheumatology] Lenoch F. Fysiatr Reumatol Vestn 48:193-6, Oct 70 (Cze)

MANPOWER

Oncology in medicine. Kennedy BJ. Ann Intern Med 73:637-9, Oct 70
Socioeconomic and technological factors in trends of physicians to specialize. Weiss JE. HSMHA Health Rep 86:46-51, Jan 71
The plans of our doctors in training. Breed JE. Ill Med J 138:536-7, Nov 70
To orient or not to orient--that is the question. Acher RP. J Indiana State Med Assoc 63:1317-8, Nov 70
Medical students--a collective portrait. Encel S, et al. Med J Aust 1:698-703, 27 Mar 71
[Plethora or lack of specialists?] Bréhant J. Presse Med 79:1310-1, 5 Jun 71 (Fre)
[Recruiting for the preclinical subjects is in danger] Rosell S. Lakartidningen 68:790-2, 17 Feb 71 (Swe)

SPECIES SPECIFICITY (G1)

Species specific differences in converting enzyme and in angiotensin I. Poulsen K, et al. Acta Pathol Microbiol Scand [A] 78:665-8, 1970
Species specificity of fibrinogen. Lázár G. Acta Physiol Acad Sci Hung 38:1-7, 1970
Speciation in parasitic nematodes. Inglis WG. Adv Parasitol 9:185-223, 1971 (131 ref.)
Biology and human aggression. Scott JP. Am J Orthopsychiatry 40:568-76, Jul 70
Electrophoretic studies on renin substrate from various species. Nasjletti A, et al. Am J Physiol 220:804-7, Mar 71
Effect of hyperthermia on heat balance during running in the African hunting dog. Taylor CR, et al. Am J Physiol 220:823-7, Mar 71
Low uricase activity in the Dalmatian dog simulated in mongrels given oxonic acid. Yü TF, et al. Am J Physiol 220:973-9, Apr 71
Comparative electrocardiography and phonocardiography in six species of animals. Luisada AA, et al. Am J Vet Res 31:1695-702, Sep 70
A comparative study of the Lewis and Sprague Dawley rat in adjuvant arthritis. Rosenthale ME. Arch Int Pharmacodyn Ther 188:14-22, Nov 70
The nonidentity of invariable positions in the cytochromes c of different species. Fitch WM. Biochem Genet 5:231-41, Jun 71
The fate of sulphadimethoxine in primates compared with other species. Adamson RH, et al. Biochem J 118:41-5, Jun 70
The fate of benzoic acid in various species. Bridges JW, et al. Biochem J 118:47-51, Jun 70
An attempt at a subjective and objective classification of the acidophilic granulocytes of some marine fishes. Kindred JE. Biol Bull 140:416-26, Jun 71
The relationship between the pathogenicity of Staphylococcus aureus for the mouse and its pathogenicity for man and the guinea pig. Foster WD. Br J Exp Pathol 52:307-14, Jun 71
Evolution of the house finch on Santa Cruz Island, California. Power DM. Can J Zool 49:675-84, May 71
Species-specific tissue antigens. Bonstein HS, et al. Clin Exp Immunol 8:291-303, Feb 71
The major histocompatibility antigens in various species. Iványi P. Curr Top Microbiol Immunol 53:1-90, 1970 (484 ref.)
Similarity of antigenic determinants in pit- uitary and chorionic gonadotropins from primates. Nixon WE, et al. Endocrinology 88:702-6, Mar 71
Genetic studies on mouse nucleoli. Iványi D. Exp Cell Res 64:240-2, Jan 71
Aspects of the determination of biphenyl hydroxylase activity in liver homogenates. II. Sex and species differences in the effect of mitochondria. Bachmann E, et al. Exp Mol Pathol 13:269-80, Dec 70
Karyotypes of bats of the subfamily Carolliinae (Mammalia; Phyllostomatidae) and their evolutionary implications. Baker RJ, et al. Experientia 27:220-2, 15 Feb 71
Activity of 6-phosphogluconate dehydrogenase in the preimplantation mouse and rabbit embryo. Brinster RL. Experientia 27:371-2, 15 Apr 71
Strain difference in sex ratio response of mice to lactate dehydrogenase virus infection. Crispens CG Jr, et al. Experientia 27:41-2, 15 Jan 71
Variation between species in the innervation of intra-testicular blood vessels. Dayan AD. Experientia 26:1359-60, 15 Dec 70
Competition between strains of Drosophila wiilistoni and D. pseudoobscura. Mourão CA, et al. Experientia 27:343, 15 Mar 71
Chromosomes of some Asian and South American squirrels (Rodentia: Sciuridae). Nadler CF, et al. Experientia 26:1383-6, 15 Dec 70
Immunological responsiveness in CBA-PH and C57BL-6 mice and in their first backcross generation. Poláčková M, et al. Folia Biol (Praha) 17:163-70, 1971
Adrenal steroid biosynthesis by different species of mouselike rodents. Ogunsua AO, et al. Gen Comp Endocrinol 16:192-9, Apr 71
Sensitivity of male rats of different strains to vasopressi. Kar K, et al. Indian J Exp Biol 8:194-7, Jul 70
Nephrotoxicity of antibodies to species-specific antigens. Kano K, et al. Int Arch Allergy Appl Immunol 40:470-80, 1971
Further observations on the immunological relationships among serum globulins of man and other primates, revealed by a serological inhibition test. Wiener AS, et al. Int Arch Allergy Appl Immunol 39:368-80, 1970
Comparative study of blood coagulation in nonhuman primates. Abildgaard CF, et al. J Appl Physiol 30:400-5, Mar 71
Mechanical factors influencing collateral ventilation in human, dog, and pig lungs. Woolcock AJ, et al. J Appl Physiol 30:99-115, Jan 71
Human-mouse hybrid cell lines and susceptibility to species-specific viruses. Pollack R, et al. J Cell Physiol 77:117-9, Feb 71
Interspecific character of the Müllerian-inhibiting substance: action of the human fetal testis, ovary and adrenal of the fetal rat Müllerian duct in organ culture. Josso N. J Clin Endocrinol Metab 32:404-9, Mar 71
Visually evoked response in guinea pigs: strains compared. Creel DJ, et al. J Comp Physiol Psychol 73:490-3, Dec 70
Stimulus attributes and training procedures in learning-set formation of Rhesus and Cebus monkeys. Devine JV. J Comp Physiol Psychol 73:62-7, Oct 70
Apparent memory differences in inbred mice produced by differential reaction to stress. Duncan NC, et al. J Comp Physiol Psychol 74:383-9, Mar 71
Age, sex, and strain differences in the aversive threshold to grid shock in the rat. Paré WP. J Comp Physiol Psychol 69:214-8, Oct 69
Species specificity among oriental fruit flies, melon flies, and Mediterranean fruit flies in susceptibility to insecticides at several loci. Keiser I, et al. J Econ Entomol 64:606-10, Jun 71
The serological differentiation of human blood stains from those of sub-human primates in Southern Africa using the anti-globulin inhibition technique. Grobbelaar BG, et al. J Forensic Med 17:112-20, Jul-Sep 70
Antigenic variation of 7Sgamma-1, 7Sgamma-2 and gamma-M globulins within the genus Peromyscus. Coe JE. J Immunol 106:34-40, Jan 71
Human and rat gamma E: serologic evidence of homology. Kanyerezi B, et al. J Immunol 106:1411-2, May 71
Effects of a single dose of cyclophosphamide on various organs in the rat. II. Response of urinary bladder epithelium according to strain and sex. Koss LG, et al. J Natl Cancer Inst 44:1195-200, May 70
Resistance of AKR mice to lymphoid leukemia associated with a chronic protozoan infection, Besnoitia jellisoni. Lunde MN, et al. J Natl Cancer Inst 47:485-8, Aug 71
Spontaneous cholangiomas in strain C3H-AvyfB mice and in their hybrids. Vlahakis G, et al. J Natl Cancer Inst 46:677-83, Mar 71
Methotrexate tissue distribution: prediction by a mathematical model. Zaharko DS, et al. J Natl Cancer Inst 46:775-84, Apr 71
Observations on the relapse activity of Plasmodium fieldi in the rhesus monkey. Collins WE, et al. J Parasitol 57:29-32, Feb 71
Species differences in the induction of microsomal hemoproteins and 3,4-benzpyrene hydroxylase by phenobarbital and 3-methylcholanthrene. Alvares AP, et al. J Pharmacol Exp Ther 175:4-11, Oct 70
Comparison of the ultrastructure of acinar cell granules of the submaxillary gland of the cat, dog, rabbit, rat and guinea-pig. Bhoola KD, et al. J Physiol (Lond) 210:79P-81P, Sep 70
Species difference in drug metabolism by liver microsomes in alloxan diabetic or fasted animals. II. The substrate interaction with cytochrome P-450 in drug oxidation. Kato R, et al. Jap J Pharmacol 20:554-61, Dec 70
Species difference in drug metabolism by liver microsomes in alloxan diabetic or fasted animals. I. The activity of drug-metabolizing enzymes and electron transport system. Kato R, et al. Jap J Pharmacol 20:546-53, Dec 70
Strain differences in the metabolism and action of drugs in mice and rats. Kato R, et al. Jap J Pharmacol 20:562-71, Dec 70
Host specificity of Brazilian strains of Pasteurella pestis. Burrows TW, et al. Nature (Lond) 229:51-2, 1 Jan 71
Transmission of two subacute spongiform encephalopathies of man (Kuru and Creutzfeldt-Jakob disease) to new world monkeys. Gajdusek DC, et al. Nature (Lond) 230:588-91, 30 Apr 71
Species distribution of new structures on fly antennae. Greenberg B. Nature (Lond) 228:1338-9, 26 Dec 70
Chromosomal and serological studies of the Caenolestidae and their implications for marsupial evolution. Hayman DL, et al. Nature (Lond) 231:194-5, 21 May 71
Species specific aggregation of dissociated sponge cells. Humphreys T. Nature (Lond) 228:685-6, 14 Nov 70
Vertebrate faunas from the Kubi Algi, Koobi Fora and Ileret areas, East Rudolf, Kenya. Maglio VJ. Nature (Lond) 231:248-9, 28 Mar 71
Energetical structure of zoological systems. Mezhzherin VA. Nature (Lond) 231:461-2, 18 Jun 71
Geographical variation in the Atlantic salmon. Payne RH, et al. Nature (Lond) 231:250-2, 28 Mar 71
Mouse specific bone marrow-derived lymphocyte antigen as a marker for thymus-independent lymphocytes. Raff MC, et al. Nature (Lond) 230:50-1, 5 Mar 71
Chromosomal evidence for natural interspecific hybridization by mosquitoes of the Anopheles gambiae complex. White GB. Nature (Lond) 231:184-5, 21 May 71
Coexistence of intraspecies and interspecies specific antigenic determinants on the major structural polypeptide of mammalian C-type viruses. Gilden RV, et al. Nature [New Biol] 231:107-8, 26 May 71
Lack of anti-macrophage species specificity in anti-lymphocytic serum. Hughes D, et al. Nature [New Biol] 230:211-3, 14 Apr 71
Role of different sponge cell types in species specific cell aggregation. John HA, et al. Nature [New Biol] 230:128-8, 24 Mar 71
Species differences in the binding of phenylbutazone to plasma albumin. Chignell CF, et al. Pharmacology 5:235-44, 1971
Comparative study of the phagocytic activity of the leucocytes of some laboratory animals. Fiala J, et al. Physiol Bohemoslov 19:447-50, 1970
Specificity of the humoral and pathological response to Marek's disease virus. Zacharia TP, et al. Poult Sci 49:1650-3, Nov 70
A comparative study of the atropinesterases of nine Pseudomonas strains. Oosterbaan RA, et al. Proc K Ned Akad Wet [Biol Med] 74:158-66, 1971
Ecological consequences of island colonization by southwest Pacific birds. II. The effect of species diversity on total population density. Diamond JM. Proc Natl Acad Sci USA 67:1715-21, Dec 70
Specificity of the DNA product of the C-type virus RNA-dependent DNA polymerase. Hatanaka M, et al. Proc Natl Acad Sci USA 68:10-2, Jan 71
Species-specific and interspecific antigenic determinants associated with the structural protein of feline C-type virus. Oroszlan S, et al. Proc Natl Acad Sci USA 68:901-4, May 71
Anthranilate synthase enzyme system and complementation in Pseudomonas species. Queener SF, et al. Proc Natl Acad Sci USA 67:1225-32, Nov 70
Comparative DNA renaturation kinetics in amphibians. Straus NA. Proc Natl Acad Sci USA 68:799-802, Apr 71
Host--parasite relations: nutrition and genetics in filariasis. Kershaw WE, et al. Proc Nutr Soc 29:218-23, Dec 70
Host preferences of mosquitoes. Tempelis CH. Proc Pap Annu Conf Calif Mosq Control Assoc 38:25-8, 1970
Dibutylnitrosamine carcinogenesis in Syrian Golden and Chinese hamsters. Althoff J, et al. Proc Soc Exp Biol Med 136:168-73, Jan 71
Species differences in the metabolism of diphenhydramine (Benadryl). Drach JC, et al. Proc Soc Exp Biol Med 135:849-53, Dec 70
Retention of human properties by a xenografted human colonic tumor, GW-77, propagated in unconditioned hamsters. Goldenberg DM, et al. Proc Soc Exp Biol Med 135:857-9, Dec 70
Variations in rabbit antimouse lymphocyte sera due to strain differences and "nonthymic" lymphocytes.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Miller J, et al.
Proc Soc Exp Biol Med 137:248-54, May 71
The potential for leukemia regression in BALB/c mice.
Rich MA, et al. Proc Soc Exp Biol Med 137:35-8, May 71
Trichostrongylus axei host-parasite relationship studies. The influence of passage on cross infection.
Ross JG. Res Vet Sci 11:461-4, Sep 70
Genetic differences in the susceptibility of sheep to infection with Trichostrongylus axei. A comparison of Scottish Black-face and Dorset breeds.
Ross JG. Res Vet Sci 11:463-8, Sep 70
Morphometric estimation of pulmonary diffusion capacity. 3. The effect of increased oxygen consumption in Japanese Waltzing mice.
Geelhaar A, et al. Resp Physiol 11:354-66, Mar 71
Contractile properties of the diaphragm in some mammals.
Sant'Ambrogio G, et al.
Resp Physiol 10:349-57, Oct 70
Prey population: a parsimonious model for evolution of response to predator species diversity.
Ghiselin J, et al. Science 170:649-51, 6 Nov 70
Sex pheromone specificity and taxonomy of budworm moths (Choristoneura).
Sanders CJ.
Science 171:911-3, 5 Mar 71
Antigen competition: a paradox.
Waterston RH.
Science 170:1108-10, 4 Dec 70
Strain-dependent renal toxicity of a nonsteroid antiinflammatory agent.
Bokelman DL, et al.
Toxicol Appl Pharmacol 19:111-24, May 71
-naphthylisothiocyanate (ANIT)-induced hepatotoxicity and disposition in various species.
Capizzo F, et al.
Toxicol Appl Pharmacol 19:176-87, Jun 71
Correlation of 4-hour vs. 24-hour contact skin penetration toxicity in the rat and rabbit and use of the former for predictions of relative hazard of pesticide formulations.
Weil CS, et al.
Toxicol Appl Pharmacol 18:734-42, Mar 71
Nonspecies specificity of antilymphocyte serum.
Caspary EA, et al. Transplantation 11:170-4, Feb 71
Distribution of antigens reactive with rabbit antirat thymic cell serum.
Oliver CB, et al.
Transplantation 11:412-4, Apr 71
Studies on the mechanism of delayed type hypersensitivity in tissue cultures. XIV. Species nonspecificity of biologically active substances (migration inhibiting factor) released during the interaction of hypersensitive lymphocytes with antigen in vitro.
Svejcar J, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:119-28, 1971
Differences in the growth of the Walker carcinoma in Sprague-Dawley and Wistar rats.
Jensen G, et al.
Z Krebsforsch 74:55-8, 1970
The carcinogenic effect of dibutylnitrosamine in Syrian and Chinese hamsters.
Mohr U, et al.
Z Krebsforsch 74:112-3, 1970
[A new robertsonian polymorphic system in a new species of "Leggada" (Mus goundae Petter)]
Jotterand M. Experientia 26:1360-1, 15 Dec 70 (Fre)
[Kinetic reaction studies on the species dependency of complex forming reactions in methemoglobins]
Blanck J, et al.
Acta Biol Med Ger 24:K 35-40, 1970 (Ger)
[Incidence and histochemical classification of Paneth's granular cells in some mammalian species]
Schaaf P, et al. Anat Anz 126:527-30, 1970 (Ger)
[Hypophysectomy in rats and mice; a comparison of SPF with conventional animals]
Ebmeyer WR, et al.
Endokrinologie 58:21-6, 1971 (Ger)
[Morphological and quantitative studies of the neocortex in bovids; a contribution to the phylogeny of this family. I. Forms of average body weight (25 kg to 75 kg)]
Ronnefeld U.
Gegenbaurs Morphol Jahrb 115:163-230, 1970 (Ger)
[Organ and species specificity of leucine aminopeptidase from bovine lens]
Glässer D, et al.
Hoppe Seylers Z Physiol Chem 351:1337-43, Nov 70 (Ger)
[Differences and correspondences in brain organization of man and monkey compared to neuropsychologic knowledges]
Ettlinger G.
Klin Wochenschr 49:786-90, 15 Jul 71 (Ger)
[Species differences with respect to influencing the action and elimination of adenosine by dipyridamole and hexobendine]
Kolassa N, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:373-4, 1970 (Ger)
[Transfer of the species-specific behavior componets by xenoplastic transplantation of the brain rudiments between Xenopus laevis and hymenochirus boettgeri (AMphibia, Anura)]
Andres G, et al.
Rev Suisse Zool 77:959-62, 1970 (Ger)
[Effect of cobalt(II)-compounds on blood coagulation in various animal species]
Fiedler H, et al.
Thromb Diath Haemorrh 24:587-600, 31 Dec 70 (Ger)
[Recent advances in study of serum proteins of different animal species by use of immunoelectrophoresis]
Bongioanni M, et al.
Arch Sci Med (Torino) 126:524-9, Aug 69 (Ita)
[Hematologic characteristics of certain strains of mice]
Maslennikova RL, et al.
Biull Eksp Biol Med 68:121-3, Sep 69 (Rus)
[Comparative study of the microheterogeneity of myoglobins of certain animals and man]
Troitskaia OV. Biull Eksp Biol Med 68:46-9, Sep 69 (Rus)
[Comparative sensitivity of man and animals to the effects of various substances according to indices of acute toxicity]
Krasovskif GN, et al.
Gig Sanit 35:29-34, Apr 70 (Rus)
[Changes in DNA mass in the nuclei of species of acrididae with various numbers of chromosomes]
Kiknadze II, et al. Tsitologiia 12:1100-7, Sep 70 (Rus)

SPECIFIC GRAVITY (H)

Areometer for estimating the concentration of modern barium meals.
Mattsson O.
Acta Radiol [Diagn] (Stockh) 8:446-8, Sep 69
The validity of gravimetric measurements of respirable coal mine dust.
Morse KM, et al.
Am Ind Hyg Assoc J 32:104-14, Feb 71
Specific gravity of bovine blood as affected by breed and age.
Chaplin RK, et al.
Am J Vet Res 31:1887-8, Oct 70
Use of specific gravity in the measurement of cerebral edema.
Nelson SR, et al.
J Appl Physiol 30:268-71, Feb 71
Melanogenesis in amphibians. 3. The buoyant density of oocyte and larval xenopus laevis melanosomes and the isolation of oocyte melanosomes from the eyes of PTU-treated larvae.
Eppig JJ Jr.
J Exp Zool 175:467-75, Dec 70
New method for measuring density of seawater.
Kremling K. Nature (Lond) 229:109-10, 8 Jan 71
Isopycnometric serology: a new technique based on buoyant density changes in latex beads.
Anderson NG, et al. Nature [New Biol] 231:112-4, 26 May 71
Correlation between buoyant density and ribonucleic acid content in viruses.
Sehgal OP, et al.
Phytopathology 60:1778-84, Dec 70
[Influence of the specific weight of the urine on the results of the quantitative determination of human chorionic gonadotropin (HCG)]
Weiss PA.
Wien Klin Wochenschr 83:578-9, 6 Aug 71 (Ger)

INSTRUMENTATION

An unbreakable hydrometer.
Dev SG.
Lab Pract 20:132, Feb 71

SPECIFIC PATHOGEN FREE see under

GERM-FREE LIFE (G1)

SPECIMEN HANDLING (E1)

Lymphocyte cultures under varied logistical conditions: stability of nucleic acid synthesis.
Daniels JC, et al. Aerosp Med 41:1298-301, Nov 70
Evaporation-induced errors in clinical chemistry assays.
Moore JL, et al.
Am J Med Technol 36:519-22, Nov 70
Survival of Neisseria gonorrhoeae in the mail.
Cross RC, et al. Appl Microbiol 20:281, Aug 70
Mechanism and magnitude of leakage of oxygen from blood and water samples stored in plastic syringes.
Scott PV, et al. Br J Anaesth 43:717-8, Jul 71
Transport of herpes simplex virus in Stuart's medium.
Rodin P, et al. Br J Vener Dis 47:198-9, Jun 71
A technique for collecting ectoparasites from small birds and mammals.
Hilton DF.
Can J Zool 48:1445-6, Nov 70
Experience with cytogenetic analysis in a reference laboratory.
Winkelman J, et al.
Health Lab Sci 8:11-6, Jan 71
Procurement, fixation, and submission of tissue specimens for microscopic examination.
Conroy JD.
J Am Vet Med Assoc 158:99-101, 1 Jan 71
The collection of semen from Aberdeen Angus bulls by massage of intrapelvic organs.
Goodwin DE.
J Am Vet Med Assoc 157:831-3, 15 Sep 70
A method for the collection of bovine seminal vesicle secretions for microbiologic examination.
Parsonson IM, et al. J Am Vet Med Assoc 158:175-7, 15 Jan 71
An envelope system designed to facilitate safer transport and rapid identification of "high risk" specimens in hospital laboratories.
Cash JD.
J Clin Pathol 24:367-8, May 71
Inconsistency of temperature in plastic containers.
Corner N, et al. J Clin Pathol 23:646, Oct 70
Studies in the biochemistry of oral tissue. I. Technique for obtaining epithelial slices of bovine attached gingiva.
Rosett T, et al. J Dent Res 50:161, Jan-Feb 71
Buffering action of Krebs-Ringer-Phosphate solutions in respiration studies of dental pulp.
Shalla CL, et al.
J Dent Res 50:116-8, Jan-Feb 71
A holder for specimen rods in the A.E.I. EM6B electron microscope.
Kennedy FD, et al.
J Med Lab Technol 27:385, Jul 70
A new technique for specimen manipulation in the scanning electron microscope.
Bywater NE, et al.
J Microsc 92:113-8, 1970
The collection of rat urine free of faecal contamination.
Plummer DT, et al.
J Physiol (Lond) 209:Suppl:16P+, Jul 70
Infective hepatitis and the handling of specimens in general practice.
Marmion BP.
J R Coll Gen Pract 21:247-50, Apr 71
Analytical diagnosis of pesticide poisoning. Collection, storage, and shipment of biological samples.
Morrison G, et al. JAMA 216:298-300, 12 Apr 71
Plastic foil for blood-films.
Bruce-Chwatt LJ.
Lancet 1:346, 13 Feb 71
Plastic tubes for mailing biopsy specimens.
Bruch K.
Lancet 2:316, 7 Aug 71
The pee-peeper. A micturition-alert device.
Dosa S, et al. Lancet 2:530, 4 Sep 71
Diagnosis of accidental hypothermia of the elderly.
Fox RH, et al. Lancet 1:424-7, 27 Feb 71
Collecting urine from small children.
Ullathorne MM.
Nurs Times 67:72-4, 21 Jan 71
Thermal resistance of salmonellae in egg yolk containing 10 percent sugar or salt after storage at various temperatures.
Cotterill OJ, et al.
Poult Sci 50:109-15, Jan 71
Reversible decrease in platelet retention by glass bead columns (adhesiveness) induced by disturbing the blood.
Coller BS, et al.
Proc Soc Exp Biol Med 136:769-71, Mar 71
[Experiences with a transport medium for the semi-quantitative determination of the bacterial content of urine]
Russwurm E, et al.
Dtsch Gesundheitsw 26:548-50, 18 Mar 71 (Ger)
[Freezing bull semen in pellet form: marking of the pellets]
Leipnitz C.
Dtsch Tieraerztl Wochenschr 74:257-9, 15 May 67 (Ger)
[Methods for collecting pathological material from the skin of animals for mycological examination]
Klobusický M, et al. Mykosen 13:131-8, 1 Mar 70 (Ger)
[Obtaining and sending of material for mycological examination of scurf, hair and nails and the problem of fee appropriation according to tariff]
Rieth H.
Mykosen 13:401-2, 1 Aug 70 (Ger)
[Shorter autoradiographic exposition of electron microscopic preparations by scintillators]
Fischer HA, et al. Naturwissenschaften 58:101-2, Feb 71 (Ger)
[Combined preparation methods for optimal diagnosis in pulmonary specimen cytology]
Kühnert M, et al.
Z Erkr Atmungsorgane 132:227-31, 1970 (Ger)
[Transtracheal aspiration in the diagnosis of respiratory tract infections]
Stille W.
Z Laryngol Rhinol Otol 50:357-60, May 71 (Ger)
[A rapid and simple method to desiccate muscles and other tissues for diagnosis of gas gangrene infections]
Toschkov A.
Zentralbl Bakteriol [Orig] 216:128-7, 1971 (Ger)
[Collection and handling of clinical specimens for virological studies]
Flugsrud L.
Tidsskr Nor Laegeforen 91:85-6, 20 Jan 71 (Nor)
[Standards for collecting material for mycological tests]
Carvalho CA de, et al.
Hospital (Rio de J) 78:1393-6, Nov-Dec 70 (Por)
[Use of Cary-Blair media for the preservation and transport of suspicious plague specimens in rural areas]
Mello MT de, et al.
Rev Bras Malariol Doencas Trop 21:767-73, Oct-Dec 69 (Por)
[Labelling glass slides]
Bekker GM.
Arkh Anat Gistol Embriol 59:101, 1970 (Rus)

INSTRUMENTATION

Collection of skin lipids.
Schmid P.
Arch Dermatol 103:79-80, Jan 71
Polyester sponge swabs to facilitate examination for genital infection in women.
Oates JK, et al.
Br J Vener Dis 47:289-92, Aug 71
A genteel device for collecting faeces.
Pryke ES, et al.
Gut 11:966, Nov 70
Collection and quantitation of mouse salivary secretions.
Chernick WS, et al.
J Dent Res 50:165, Jan-Feb 71
Screening for bacteriuria in the newborn nursery: collection of the suitable urine specimen.
Randolph MF. J Pediatr 79:463-6, Sep 71
Urine collection problems in the space program.
Walkup JL, et al. J Urol 104:898-901, Dec 70
Plastic foil as slides for blood-smears.
Bruch K.
Lancet 1:22-3, 2 Jan 71
[Rotatory slide carrier for stereomicroscopy studies]
Pérez Clavier R. Acta Cient Venez 22:23-5, 1971 (Spa)

SPECTACLES see EYEGLASSES (E2)

SPECTROPHOTOMETRY (H)

Cell population identification studies.
Kamentsky LA, et al. Acta Cytol (Baltimore) 14:367-12, May 70
Determination of mercury in urine by atomic absorption.
Mesman BB, et al.
Am Ind Hyg Assoc J 31:701-4, Nov-Dec 70
Analytical guides. Atomic absorption spectrophotometry.
Am Ind Hyg Assoc J 31:525-8, Jul-Aug 70
Infrared absorption spectroscopy.
Am Ind Hyg Assoc J 32:412-4, Jun 71
Evaluation of five reagent grade uric acid standards and observations on the phosphotungstic acid method for uric acid measurement.
Copeland BE, et al.
Am J Clin Pathol 56:1-7, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Spectrophotometric acid dichromate method for the determination of ethyl alcohol. Bennett C.
Am J Med Technol 37:217-20, Jun 71

The predictive value of amniotic fluid spectrophotometry. Cassady G, et al.
Am J Obstet Gynecol 106:1010-6, 1 Dec 70

Spectrophotometric analysis of amniotic fluid in early gestation. Niswander KR.
Am J Obstet Gynecol 106:1296-7, 15 Dec 70

Application of spectrophotofluorometric procedures to some problems in Mycobacterium leprae infections in mice and man treated with dapsone (DDS), diacetyl-DDS (DADDS), and di-formyl-DDS (DFD). Ozawa T, et al. Am J Trop Med Hyg 20:274-81, Mar 71

Spectrophotometric determination of phosphate esters in the presence and absence of orthophosphate. Bartlett EM, et al. Anal Biochem 36:159-67, Jul 70

Spectrophotometric determination of serum iron at the submicrogram level with a new reagent (ferrozine). Carter P. Anal Biochem 40:450-8, Apr 71

Scanning gel isoelectrofocusing of proteins. Catsimpoolas N, et al. Anal Biochem 39:141-55, Jan 71

A spectrophotometric method for the simultaneous measurement of L-glutamine and L-asparagine in biological materials. Cooney D, et al.
Anal Biochem 40:312-26, Apr 71

Analysis of picomole quantities of Ca, Mg, K, Na, and Cl in biological samples by ultramicro flame spectrophotometry. Haljamäe H, et al.
Anal Biochem 42:155-70, Jul 71

Determination of initial enzyme reaction rates from spectrophotometric recordings: a rapid method. Henderson AR. Anal Biochem 42:143-8, Jul 71

A continuous spectrophotometric method for ammonia-generating reactions. Hersh LB, et al.
Anal Biochem 37:353-6, Oct 70

Infrared spectra of related dipeptides. Kimmel HS, et al. Anal Biochem 32:1-9, 15 Oct 69

Spectrophotometric determination of copper with N,N,N',N'-tetraethylthiuram disulfide and an application of this method for studies on subcellular distribution of copper in rat brain. Matsuba Y, et al.
Anal Biochem 36:182-91, Jul 70

Determination of lead in hair by atomic absorption spectroscopy for simple screening of lead intoxication. Hasegawa N, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:1-5, 1970

Spectrophotometric methods for monitoring the microbial transformation of steroids. I. Determination of 9-alpha-fluorohydrocortisone and 9-alpha-fluoro-16-alpha-hydroxyhydrocortisone in fermentation broths. Ivashkiv E.
Appl Microbiol 20:251-3, Aug 70

Rapid infrared determination of the potency of chlorinated bactericides. Spagnolo F, et al.
Appl Microbiol 21:1051-2, Jun 71

Flow flash kinetics of the cytochrome a 3 -oxygen reaction in coupled and uncoupled mitochondria using the liquid dye laser. Chance B, et al.
Arch Biochem Biophys 143:675-87, Apr 71

The effect of 2,2-diphenyl-1-picrylhydrazyl and p-cresol on the oxidative degradation of indole-3-acetate. Miller RW, et al.
Arch Biochem Biophys 143:276-85, Mar 71

The acceptor specificity of flavins and flavoproteins. I. Techniques for anaerobic spectrophotometry. Dixon M. Biochim Biophys Acta 226:241-58, 2 Mar 71

A spectrophotometric method for the quantitative estimation of intact (Class I) chloroplasts. Karlstam B, et al. Biochim Biophys Acta 216:220-2, 4 Aug 70

Far-infrared studies on hemin and hemin-like complexes. Uenoyama H.
Biochim Biophys Acta 230:479-81, 1971

Microphotometric observations of the haemoglobin content of individual erythrocytes under normal and some pathological circumstances. Morseit AF, et al.
Biut 23:25-32, Jul 71

Serum calcium by atomic absorption spectrophotometry. Nichols CJ.
Can J Med Technol 33:81-108, Jun 71

A more sensitive spectrophotometric method for determination of isoniazid in serum or plasma. Eidus L, et al. Clin Chem 17:492-4, Jun 71

Chemical versus spectrophotometric determination of bilirubin in amniotic fluid, and the influence of hemoglobin and metheme pigments. Kapitulnik J, et al. Clin Chem 16:756-9, Sep 70

A bench-top, automated, high-resolution analyzer for ultraviolet absorbing constituents of body fluids. Pitt WW Jr, et al. Clin Chem 16:657-61, Aug 70

The determination of trace elements in human fingernails by atomic absorption spectroscopy. Harrison WW, et al. Clin Chim Acta 31:63-73, Jan 71

An evaluation of the spectrophotometric determination of HbO2, and Hb in blood with the co-oximeter IL 182. Maas AH, et al.
Clin Chim Acta 29:303-9, Aug 70

Direct determination of copper in urine by atomic absorption spectrophotometry. Spector H, et al.
Clin Chim Acta 31:5-11, Jan 71

Spectrophotometric study of bilirubin interference in the Huang reaction for cholesterol. Zak B, et al.
Clin Chim Acta 30:697-705, Dec 70

Microphotometric and autoradiographic studies on the cell cycle and cell size during growth and decline of Chinese hamster cell cultures. Kimball RF, et al.
Exp Cell Res 66:17-32, May 71

UV microspectrophotometry of mitochondrial responses to extracellular glucose in cultured ascites tumor cells. Ritter C, et al.
Exp Cell Res 65:233-9, Mar 71

Derivative microspectrophotometry of single cells in vivo. Tatake VG, et al. Exp Cell Res 66:251-3, May 71

[Quantitative determination of berberine in Berberis vulgaris L] Tses'ko AI, et al.
Farmatsiia 20:28-30, Mar-Apr 71

Tentative method of analysis for nitrate in atmospheric particulate matter (2,4-xylenol method (1)).
Health Lab Sci 7:267-9, Oct 70

Tentative method of analysis for mercaptan content of the atmosphere. Health Lab Sci 7:270-5, Oct 70

Tentative method of analysis for iron content of atmospheric particulate matter (bathophenanthroline method).
Health Lab Sci 7:276-8, Oct 70

Note describing a sensitive spectrophotometric method for determination of isoniazid. Eidus L, et al.
Int Z Klin Pharmakol Ther Toxikol 4:410-1, Oct 70

Note describing a sensitive spectrophotometric method for determination of isoniazid. Eidus L, et al.
Int Z Klin Pharmakol Ther Toxikol 3:410-1, Oct 70

The spectrophotometric determination of 5-methyl-3-(2,6-halogen substituted phenyl)-4-isoxazolyl penicillins (cloxacillin, dicloxacillin and flucloxacillin). Yasuda T, et al.
J Antibiot (Tokyo) 24:290-3, May 71

A rapid method for simultaneous measurement of carboxy- and methemoglobin in blood. Small KA, et al.
J Appl Physiol 31:154-60, Jul 71

Studies on low temperature spectra of respiratory pigments. I. Measurement of absorption spectra between liquid helium and room temperatures. Hagihara B, et al. J Biochem (Tokyo) 69:355-62, Feb 71

Spectorphotometric assay of monoamine oxidase using 2,4,6-trinitrobenzene-1-sulfonic acid. Obata F, et al.
J Biochem (Tokyo) 69:349-54, Feb 71

Studies of the interaction of substrate analogues with bacterial liquefying alpha-amylase by means of spectrophotometry and steady state kinetics. Onishi M. J Biochem (Tokyo) 69:181-9, Jan 71

Difference spectrophotometric study of interaction between maltose and saccharifying alpha-amylase from Bacillus subtilis. Onishi M.
J Biochem (Tokyo) 68:933-6, Dec 70

Interaction of alcohols with lysozyme. II. Studies on difference absorption spectra. Shimaki N, et al.
J Biochem (Tokyo) 68:795-803, Dec 70

A spectrophotofluorometric method for the determination of amphetamine. Nix CR, et al.
J Forensic Sci 15:595-600, Oct 70

Reflection spectra of small paint samples: a potential solution. Paul FW, et al. J Forensic Sci 16:241-4, Apr 71

Spectrophotometric determination of d-propoxyphene (Darvon) in liver tissue. Thompson E, et al.
J Forensic Sci 15:605-9, Oct 70

Reduced nicotinamide adenine dinucleotide-linked analysis of 2,3-diphosphoglyceric acid: spectrophotometric and fluorometric procedures. Keitt AS. J Lab Clin Med 77:470-5, Mar 71

Spectrophotometric examination of the amniotic fluid in RH-iso-immunization: a simple method for the evaluation of results. Poláček K, et al.
J Obstet Gynaecol Br Commonw 78:248-50, Mar 71

Preparation and mass spectral properties of cystine and lanthionine derivatives. A novel synthesis of L-lanthionine by selective desulfurization. Harpp DN, et al. J Org Chem 36:73-80, 15 Jan 71

Application of orthogonal functions to spectrophotometric analysis of weakly absorbing compounds in tablets. Abdine H, et al.
J Pharm Pharmacol 23:444-7, Jun 71

The determination of sodium aminosalicylate in cachets of sodium aminosalicylate and isoniazid by ultraviolet absorption. Clough D.
J Pharm Pharmacol 22:414-6, Jun 70

Application of the delta-A method to the determination of morphine. Wahbi AM, et al.
J Pharm Pharmacol 22:848-50, Nov 70

Spectrophotometric determination of diphenhydramine hydrochloride in an antiallergic cream. De Fabrizio F. J Pharm Sci 59:1470-1, Oct 70

Spectrophotometric assay of potassium permanganate tablets (USP XVII). Mancott A, et al.
J Pharm Sci 59:1482-3, Oct 70

Determination of flurazepam and its major biotransformation products in blood and urine by spectrophotofluorometry and spectrophotometry. Silva JA de, et al. J Pharm Sci 60:1303-14, Sep 71

Determination of total iron in hematinics by atomic absorption spectrophotometry. Tarlin HI, et al.
J Pharm Sci 59:1328-30, Sep 70

Rapid assay of hydrogen peroxide solution (USP 18) via UV spectrophotometry. Tietjen J, et al.
J Pharm Sci 60:460-1, Mar 71

Determination of phenothiazine compounds in biologic specimens by UV spectrophotometry. Wallace JE, et al. J Pharm Sci 60:1346-50, Sep 71

The role of the phagocyte in host-parasite interactions. XXIX. Use of intact leukocytes for spectrophotometric assay of different enzymes. Paul BB, et al. J Reticuloendothel Soc 9:352-60, Apr 71

Ultraviolet spectrophotometry of organic synthesized pesticides. Takahama K, et al.
Jap J Leg Med 25:85-90, Jan 71

UV spectrophotometry of autoxidized lipid monolayers while on silica gel. Porter WL, et al.
Lipids 6:16-25, Jan 71

A method of ultraviolet spectrophotometry of lipid monolayers on silica gel. Porter WL, et al.
Lipids 6:9-15, Jan 71

A safety device for use with the Unicam SP 90 atomic absorption spectrophotometer. Hunter WH.
Med Lab Technol 28:211-2, Apr 71

Hydrofluoric acid treatment on pasture grass ashes for atomic absorption analysis. Ogura Y.
Natl Inst Anim Health Q (Tokyo) 10:171-2, Fall 70

Huntington's chorea: infrared spectroscopy of the urine. Shepherd JA, et al.
Neurology (Minneap) 21:642-6, Jun 71

Respiratory measurements of odontoblasts from rat incisors by a simple spectrophotometric micromethod. Linde A, et al.
Odontol Revy 21:275-8, 1970

Application of orthogonal functions in spektrophotometric analysis. 2. The determination of atropine sulphate injections. Wahbi AM.
Pharmazie 26:291-2, May 71

Effect of solution environment on the absorption maxima of Schiff bases of retinal. Blatz PE, et al.
Photochem Photobiol 13:237-45, Mar 71

The effect of spectrophotometry error on the accuracy of the perspex H.X. megarad dosemeter. Crookall JO, et al. Phys Med Biol 15:319-24, Apr 70

Spectrophotometric measurement of ferric ion concentration in the ferrous sulphate (Fricke) dosemeter. Scharf K. Phys Med Biol 16:77-86, Jan 71

Measurement of ferric ion concentration in the Fricke dosemeter. Phys Med Biol 16:531-3, Jul 71

Microspectrophotometric measurements of deoxyribonucleic acid in human thyroid carcinomas. Lindsay S. Surg Gynecol Obstet 131:905-13, Nov 70

A study on the quantitative determination of intracellular formazan by microspectrophotometry. Miyamoto H, et al.
Tokushima J Exp Med 17:57-67, Nov 70

Continuous in vivo monitoring by mass spectrometry of human blood gases and cerebral blood flow. Hass WK, et al. Trans Am Neurol Assoc 95:255-7, 1970

Formation of zinc chelates from porphyrin methyl esters for spectrophotometric analysis. Doss M. Z Klin Chem Klin Biochem 8:208-11, May 70

[Trans-abdominal amniocentesis and spectrophotometric study of amniotic fluid Rh sensitized in pregnant women] Arnaudova R, et al.
Akush Ginekol (Sofiia) 8:369-85, 1969 (Bul)

[Conditions for the spectrophotometric determination of vitamin D following thin-layer chromatography] Cerný J. Cesk Farm 20:103-6, Apr 71 (Cze)

[Spectral study of pyridine carboxylic acid amides and hydrazides] Greksáková O, et al.
Cesk Farm 19:259-63, Sep 70 (Cze)

[Spectrophotometric determination of lactulose] Vachek J. Cesk Farm 20:96-8, Apr 71 (Cze)

[Identification of agents in toxicologic analysis using 1.2-dichlorethane extraction, thin-layer chromatography and U.V.-spectrophotometry] Drost RH, et al. Pharm Weekbl 105:1129-38, 2 Oct 70 (Dut)

[The detection and determination of silver in biological fluids] Buneaux F, et al.
Ann Biol Clin (Paris) 28:273-7, 1970 (Fre)

[Possible use of atomic adsorption spectrophotometry for evaluation of serum iron and of saturation capacity of siderophilin] Dreux C, et al.
Ann Biol Clin (Paris) 29:251-6, 1971 (Fre)

[Quantitative analysis of metals by atomic absorption in industrial medicine. I. Application to analysis of organic lead in the air of the working environment] Thilliez G. Arch Mal Prof 31:133-40, Mar 70 (Fre)

[Detection of chronic fetal suffering with the spectrophotometric study of amniotic fluid obtained by amniocentesis] Richon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:250-2, Apr-May 70 (Fre)

[Lead determination in urine by atomic absorption spectrophotometry] Lorimier DF, et al.
Helv Chim Acta 53:1990-2, 1970 (Fre)

[Human spectrometry. A method of diagnosis of internal contamination. Achievements of the Health Service] Frossard H, et al.
Rev Corps Sante Armees 12:187-200, Apr 71 (Fre)

[Spectrophotometric determination of steroids and triterpenoid compounds] Kartnig T, et al.
Arch Pharm (Weinheim) 303:767-70, Sep 70 (Ger)

[Spectrophotomectic determination of some diphenyl sulfonyl hydrazides. 2. Analysis of hydrazine derivatives] Teodorescu N, et al.
Arch Pharm (Weinheim) 304:16-9, Jan 71 (Ger)

[The determination of carbon monoxide in blood by means of a non-dispersive infrared differential absorption technique] Krüsmann K, et al.
Arch Toxikol 27:99-105, 1971 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Cerebrospinal fluid permeability by oxyphenbutazone. Spectrophotometric study] Agnoli A, et al. Arzneim Forsch 20:1786-93, Nov 70 (Ger)
[Spectrofluorometric method for determination of glycodiazine in plasma and of the both glycodiazine metabolites in urine] Held H, et al. Arzneim Forsch 20:1927-9, Dec 70 (Ger)
[Atomic-absorption spectrophotometry] Paschen K, et al. Dtsch Med Wochenschr 95:2577-81, 18 Dec 70 (Ger)
[Histological and spectrophotometrical investigations to determine the "strength of metachromotropy" by dichlorpseudoisocyanine] Reutter K, et al. Histochemie 24:187-96, 1970 (Ger)
[Influence of formaldehyde on the extinction spectrum of thionin, toluidine blue and cresyivioiet] Böck P. Mikroskopie 26:175-80, Sep 70 (Ger)
[Microspectrophotometric studies of living cells of shell leaf epidermis of Allium cepa after acridine orange staining] Tsekos I. Mikroskopie 26:30-40, Jun 70 (Ger)
[Mass spectrophotometric analysis of natural and medicinal materials] Moll F. Mitt Dtsch Pharm Ges 39:125-41, Jun 69 (68 ref.) (Ger)
[Spectrofluorometric determination of griseofulvin level in serum with aid of thin layer chromatography] Kadner H, et al. Pharmazie 26:94-6, Feb 71 (Ger)
[UV-spectrophotometry in drug control. 9. Influence of substitution and solvents on the UV spectrophotometric reaction of drugs with 1.2.4-benzothiadiazine-1.1.-dioxide-chromophore] Kráčmar J, et al. Pharmazie 25:464-70, Aug 70 (Ger)
[UV-spectrophotometry in drug control. 10. Influence of the substitution and of the solvent on the UV-spectrophotometric behavior of drugs with naphthaline-chromophor] Kráčmar J, et al. Pharmazie 26:155-62, Mar 71 (Ger)
[Photometric identification and determination of morphine and morphine derivatives in drugs] Lang E. Pharmazie 26:345-6, Apr 71 (Ger)
[Fluorescence spectrometry. Fundamentals and application] Thomitzek WD. Pharmazie 26:82-9, Feb 71 (Ger)
[Spectral choroid photoplethysmography in albino rabbits] Peregrin J, et al. Verh Dtsch Ges Kreislaufforsch 36:327-9, 1970 (Ger)
[Chromatographic spectrophotometry in clinical use and research] Weiss PA. Wien Klin Wochenschr 82:777-9, 16 Oct 70 (Ger)
[Spectrophotometry of the amniotic fluid in suspicion of Rhesus incompatibility] Baumgarten K. Wien Med Wochenschr 120:395-7, 30 May 70 (Ger)
[Amnioscopy and spectrophotometry of the amniotic fluid in Rh incompatibility] Gitsch E, et al. Wien Med Wochenschr 120:322-3, 2 May 70 (Ger)
[Atom absorption spectrophotometry and its use in the industrial laboratory] Franzen E. Z Gesamte Hyg 16:486-91, Jul 70 (Ger)
[Determination of cobalt and nickel in whole blood, plasma and fibrinogen of rabbits by means of atom absorption spectrophotometry] Hoffmann HD, et al. Z Gesamte Inn Med 25:1065-70, 1 Dec 70 (Ger)
[Measurement of urinary copper excretion by atomic absorption spectrophotometry] Pirke KM, et al. Z Klin Chem Klin Biochem 8:449-52, Sep 70 (Ger)
[Synthesis of humic substances by Streptomyces aureus. 2. Behaviour of isolated fractions of humic substances during examination by absorption spectrography] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:150-61, 1970 (Ger)
[Synthesis of humic substance by Streptomyces aureus. 4. Comparison by infrared spectroscopy] Matschke J. Zentralbl Bakteriol [Naturwiss] 125:438-47, 1970 (Ger)
[Spectrophotometric evaluation of the amniotic fluid in a fetus with hypoxia] Zak K, et al. Zentralbl Gynaekol 92:346-9, 14 Mar 70 (Ger)
[Infrared spectrophotometric determination of succinic dinitrile in aqueous pharmaceutical preparations] Bellomonte G. Ann Ist Super Sanita 5:625-7, 1969 (Ita)
[Automatic determination of benzylpenicillin and other semisynthetic penicillins. II] Saccani F, et al. Boll Chim Farm 108:89-92, Feb 69 (Ita)
[Studies of the formation of intermolecular bonds in various conditions of manufacture of food pastes. II. Infra-red spectrophotometric analysis] Fabriani G, et al. Boll Soc Ital Biol Sper 45:663-7, 31 May 69 (Ita)
[New spectrophotometric method for determination of adenosine cyclic phosphodiesterase activity] Polidoro G, et al. Boll Soc Ital Biol Sper 46:582-6, 30 Jun 70 (Ita)
[Simultaneous spectrophotometric determination of the components of a binary mixture with graphic resolution. I] Savoia F. Boll Soc Ital Biol Sper 45:939-41, 31 Jul 69 (Ita)
[Simultaneous spectrophotometric determination of the components of a binary mixture with graphic resolution. II] Savoia F. Boll Soc Ital Biol Sper 45:942-3, 31 Jul 69 (Ita)
[Quantitative determination of methandrostenolone by spectrophotometry I.R. X. Control of some pharmaceutical products] Silvestri S. Farmaco [Prat] 26:283-92, May 71 (Ita)
[A spectrophotometric method for determination of fluorine in urine] Rausa G, et al. Ig Mod 63:89-103, 1970 (Ita)
[Spectrophotometric determination of the hydrolysis of beta-lactam ring in penicillins] Lepidi AA, et al. Mycopathol Mycol Appl 43:11-5, 25 Jan 71 (Ita)
[Determination by means of atomic absorption spectrophotometry of calcium, magnesium, iron, copper and zinc in the blood of normal children and adolescents] Poggini G, et al. Riv Clin Pediatr 81:597-604, Jul-Aug 68 (Ita)
[Studies on DNA content in human leukemic cells in bone marrow with chemotherapy using the microspectrophotometer] Oara K. Acta Haematol Jap 33:363-81, Aug 70 (Jap)
[On the official inspection of coal-tar dyes in 1969. 3. Analysis of Cr, Zn, Fe and Pb contaminants in food coal-tar dyes and their aluminium lakes by atomic absorption spectrophotometry] Tonogai Y, et al. Bull Natl Inst Hyg Sci (Tokyo) 88:139-43, 1970 (Jap)
[Pharmacological studies of diuretics. 3. Measurement of uric acid of the blood using the automatic liquid chromatography with the ultraviolet ray analyzer] Suzuki Y, et al. Folia Pharmacol Jap 67:83-8, Jan 71 (Jap)
[Studies on zinc determination by atomic absorption spectroscopy and its clinical application] Matsumoto H. J Jap Soc Intern Med 60:203-14, Mar 71 (Jap)
[Studies on the hexobarbital difference spectrum with microsomes from 3-methylcholanthrene treated rats] Kamataki T, et al. J Pharm Soc Jap 91:142, Jan 71 (Jap)
[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al. J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)
[Determination of cadmium in organs by atomic absorption spectrophotometry] Tachi M, et al. Med Biol (Tokyo) 81:131-7, 10 Sep 70 (Jap)
[Spectrophosphorimetry--method and its application to biochemistry] Kawai K. Protein Nucleic Acid Enzyme (Tokyo) 16:919-28, Sep 71 (Jap)
[Flame photometry and atomic absorption spectrophotometry] Motegi K. Saishin Igaku 26:246-52, 10 Feb 71 (Jap)
[Studies on the use of UV spectrophotometry for assessment of some alkaloids in injections] Kanafarska-Miotkowska S. Acta Pol Pharm 28:23-9, 1971 (Pol)
[Diagnostic value of spectrophotometric examination of the amniotic fluid in Rh-sensitized pregnant women] Arnaudova R, et al. Akush Ginekol (Sofiia) 9:261-4, 1970 (Rus)
[Spectrophotometric method for the determination of benzylpenicillin in culture fluid] Iusim RS, et al. Antibiotiki 16:39-43, Jan 71 (Rus)
[Spectrophotometric method for the determination of the content of bruneomycin in culture fluid and solutions] Ponomarenko VI. Antibiotiki 16:44-6, Jan 71 (Rus)
[A method of determining the spectrum of neurosecretion in histologic sections] Gul'iants ES. Biull Eksp Biol Med 67:123-4, Jun 69 (Rus)
[A microspectrophotometric study of the concentration of protein sulfhydryl groups in endometrial gland epithelium in hyperplasia and cancer] Kazantseva IA, et al. Biull Eksp Biol Med 71:79-81, Mar 71 (Rus)
[Spectrophotometric determination of oxacillin and ampicillin] Buriak VP, et al. Farm Zh 25:42-5, 1970 (Rus)
[Spectrophotographic and morphologic study of the toxic effect of "chromium alkalies" on the parenchymatous organs in rabbits] Shabanova OM, et al. Farmakol Toksikol 34:240-4, 1971 (Rus)
[Spectrophotometric determination of sulfapyridazine and sulfadimethoxine in tablets] Chichiro VE, et al. Farmatsiia 19:43-5, Jul-Aug 70 (Rus)
[Spectrophotmetric determination of anabasine in biological material] Grianova EA, et al. Farmatsiia 17:57-62, May-Jun 68 (Rus)
[Spectrophotometric determination of amorphine] Kasymov AU, et al. Farmatsiia 20:25-7, 1971 (Rus)
[Use of the absorption spectroscopy in the analysis of drugs from the group of estrogens and their synthetic substitutes] Kovalenko LI. Farmatsiia 17:87-90, May-Jun 68 (54 ref.) (Rus)
[Use of the methods of objective phtometry for the quantitative determination of some steroid hormones] Kovalenko LI. Farmatsiia 17:36-42, Jul-Aug 68 (Rus)
[Qualitative characteristic of complexes of theobromine with interhaloid compounds by means of infrared spectrophotometry] Melent'eva GA, et al. Farmatsiia 20:31-6, Jan-Feb 71 (Rus)
[Spectrophotometric determination of thiamine] Rapaport LI, et al. Farmatsiia 20:44-50, Jan-Feb 71 (Rus)
[Spectrophotometric determination of thiamine in the mixture with ascorbic and nicotinic acids] Rapaport LI, et al. Farmatsiia 20:41-4, 1971 (Rus)
[Extraction-photometric determination of spasmolytin and arpenal] el'Safed MA. Farmatsiia 17:72-6, May-Jun 68 (Rus)
[Spectrophotometric determination of iodine in thyroidin] Trifimov AR, et al. Farmatsiia 20:38-41, 1971 (Rus)
[Spectrophotometric method of determining pyrene in biological substrates] Potapova AN, et al. Gig Tr Prof Zabol 14:47-8, Aug 70 (Rus)
[Modified method for determining the activity of serum urocaninase activity] Frolova IA. Vopr Med Khim 17:102-3, Jan-Feb 71 (Rus)
[Hydration of free and intraphage DNA studied by the infrared spectrophotometry method] Midon Sh, et al. Vopr Virusol 15:619-22, Sep-Oct 70 (Rus)
[Determinatoon of blood cortisol levels by spectrophotofluorometry (personal experience with 300 cases)] Valor Perea R, et al. Med Trop (Madr) 46:283-95, Jan-Dec 70 (Spa)
[Determination of amidopyrine by methods of direct and differential spectrophotometry in different solvents] Belikov VG, et al. Farm Zh 25:30-4, 1970 (Ukr)
[Spectrophotometric determination of ethymizole] Buriak VP, et al. Farm Zh 26:71, Jan-Feb 71 (Ukr)
[Spectrophotometric method for quantitative analysis of drug mixtures with atropine sulfate] Kagan FE, et al. Farm Zh 26:32-7, Jan-Feb 71 (Ukr)
[Use of the method of minimum squares in spectrophotometric analysis of multicomponent drug mixtures] Kaleniuk TG, et al. Farm Zh 26:44-6, Jan-Feb 71 (Ukr)
[Quantitative determination of pastinacin in preparation and in tablets] Koget TO. Farm Zh 25:37-40, 1970 (Ukr)
[Spectrophotometric method for the quantitative determination of rutin in urutin] Koget TO. Farm Zh 26:72-4, Jan-Feb 71 (Ukr)
[Quantitative determination of prednisone and prednisolone the method of UV-spectrophotometry] Kovalenko LI, et al. Farm Zh 25:78-9, 1970 (Ukr)
[Spectrophotometric determination of 5-nitrofuran derivatives] Kurinna NV. Farm Zh 26:37-43, Jan-Feb 71 (Ukr)
[Quantitative determination of hydrocortisone and cortisone acetate by means of IR-spectra] Minka AF, et al. Farm Zh 25:13-7, 1970 (Ukr)
[Microcrystalloscopic and spectrophotometric study of benzotepa and thiophosphamide] Pozdniakova VT, et al. Farm Zh 26:50-3, Jan-Feb 71 (Ukr)
[Spectrophotometric determination of phenyiin] Solomonova SH, et al. Farm Zh 25:78, 1970 (Ukr)
[Spectrophotometric determination of novoimanine concentration in organs of rats] Derbentseva NA, et al. Mikrobiol Zh 33:96-100, 1971 (Ukr)
[Study of the composition of kidney calculi by roentgen diffraction and infrared spectrophotometry. Correlation with clinical data] Radonić M, et al. Lijec Vjesn 92:757-70, Jul 70 (Cro)

INSTRUMENTATION

A rapid semiautomated system for time rate enzyme assays. Krieg AF, et al. Am J Clin Pathol 55:141-4, Feb 71
Evaluation of a direct reading spectrophotometer for neonatal bilirubinometry. Levkoff AH, et al. Am J Clin Pathol 54:562-5, Oct 70
A rapid spectrophotometric system for measurement of lactic acid dehydrogenase activity. Lumeng J, et al. Am J Clin Pathol 55:471-4, Apr 71
A simple protein meter. Bennett PA, et al. Anal Biochem 36:123-6, Jul 70
Analysis of picomole quantities of Ca, Mg, K, Na, and Cl in biological samples by ultramicro flame spectrophotometry. Haljamäe H, et al. Anal Biochem 42:155-70, Jul 71
Quartz-halogen lamps: high-intensity visible light sources for laboratory spectrophotometers. Hegeman GD. Anal Biochem 37:202-4, Sep 70
A versatile, inexpensive microstirrer for spectrophotometer cuvets. Herlihy JT, et al. Anal Biochem 41:290-1, May 71
An inexpensive device for recording difference absorption spectra at low temperature (-196 degrees). Labbe P, et al. Anal Biochem 39:322-6, Feb 71
A simple large-volume cell suitable for multiparameter measurements in the Aminco-Chance spectrophotometer. Merola AJ, et al. Anal Biochem 41:455-9, Jun 71
Use of a fiber optic probe for spectral measurements and the continuous recording of the turbidity of growing microbial cultures. Robrish SA, et al. Appl Microbiol 21:278-87, Feb 71
Use of a digital voltmeter for direct absorbance readings on the Unicam SP. Collier HB. Clin Chem 17:832, Aug 71
The control of interference filters. Heerspink W, et al. Clin Chim Acta 29:191-2, Jul 70
Computer-aided microspectrophotometry of biological specimens. Shapiro HM, et al. Exp Cell Res 67:81-9, Jul 71
An automated diluter suitable for use with the Unicam S.P. 90 Atomic absorption spectrophotometer. Bennett JE. J Med Lab Technol 27:386-8, Jul 70
Automatic apparatus for the spectrophotometric assay of certain enzymes. Cove DJ. Lab Pract 19:1233-5, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

An inexpensive stirrer addaptable to spectrophotometers. Van Dyk M, et al.
Lab Pract 20:582, Jul 71
[A differential cinespectrophotometer] Chagneux R, et al. Med Biol Eng 8:195-201, Mar 70 (Fre)
[Recorder spectrophotometers]
Pathol Biol (Paris) 19:691, Jun-Jul 71 (Fre)
[Cytophotometric and microspectrophotometric studies using a spectral colorimeter] Klein G.
Z Med Labortech 10:164-76, 1969 (Ger)
[A micro-cuvette holder] Thalmann K.
Z Med Labortech 11:362-5, 1970 (Ger)
[Scanning integrating single-ray microspectrophotometer] Avtandilov GG, et al.
Arkh Patol 32:70-2, 1970 (Rus)
[Modification of SF-10 and SF-14 spectrophotometers] Berman AL.
Vopr Med Khim 16:639-42, Nov-Dec 70 (Rus)

STANDARDS

Quantum yield of fluorescence of dimethylprotriptylinium bromide. Borg KO, et al.
Acta Pharm Suec 7:567-8, Nov 70
Spectrophotometric accuracy. Mallikarjuneswara VR, et al. Clin Chem 17:458, May 71
Spectrophotometric accuracy. Rand RN.
Clin Chem 17:457-8, May 71
[Standardization of methods for the determination of the activity of various enzymes] Pyrkov LM, et al.
Lab Delo 9:540-2, 1970 (Rus)

SPECTROPOLARIMETRY see under SPECTRUM ANALYSIS (H)

SPECTROSCOPY see SPECTRUM ANALYSIS (H)

SPECTRUM ANALYSIS (H)

Measurements of prostaglandins in biological fluids by gas chromatography-mass spectrometry coupled with a small analogue computer. Kelly RW.
Acta Endocrinol [Suppl] (Kbh) 155:221, 1971
An attempt of applying laser rays for the detection and analysis of chemical elements in tissue slices. Kozik M, et al. Acta Histochem (Jena) 37:203-5, 1970
The concept of Fourier transform spectroscopy. Meyer-Arendt JR, et al.
Acta Histochem (Jena) 37:217-22, 1970
Mass fragmentography and elemental analysis by means of a new and combined multiple ion detector--peak matcher device. Developments of new techniques in gas chromatography-mass spectrometry. Hammar CG.
Acta Pharm Suec 8:129-52, Jun 71
Spectroscopic techniques for the study of drug interactions with biological systems. Chignell CF.
Adv Drug Res 5:55-94, 1970 (110 ref.)
Qualitative detection limits for specific compounds utilizing gas chromatographic fractions, activated charcoal and a mass spectrometer. Cooper CV, et al.
Am Ind Hyg Assoc J 32:383-6, Jun 71
Spectrometer performance based upon signal-to-noise toleration. Lovell DJ. Am J Optom 47:650-6, Aug 70
Separation of the delta-2 and delta-3 isomers of N6-(delta-2-isopentenyl)adenosine by gas chromatography and characterization by mass spectroscopy. Alam SN, et al.
Anal Biochem 40:424-8, Apr 71
Mass spectral studies of deoxyribonucleic acid. Charnock GA, et al. Anal Biochem 37:81-4, Sep 70
Mass spectral fragmentation of trimethylsilyl derivatives of 2-amino-4-hydroxypteridines: a method of identification. Haug P.
Anal Biochem 37:285-92, Oct 70
Mass spectral analysis of modified ribonucleosides obtained by degradation of 14 alkali-stable dinucleotides isolated from yeast ribonucleic acid. Howlett HA, et al. Anal Biochem 39:429-40, Feb 71
Optimum working range for the study of hemoproteins by reflectance spectroscopy. Kaplan AE, et al.
Anal Biochem 38:417-22, Dec 70
Adaptation of multiple internal reflection (MIR) spectroscopy to the identification of steroids from thin-layer chromatographic zones. Saier EL, et al.
Anal Biochem 37:345-52, Oct 70
Analyses of pyrimidine and purine bases by a combination of paper chromatography and time-of-flight mass spectrometry. Studier MH, et al.
Anal Biochem 26:320-4, Nov 68
Determination of protein thiol groups by atomic absorption spectrometry. Suzuki M, et al.
Anal Biochem 32:106-17, 15 Oct 69
High resolution field ionization mass spectrometry of the condensable phase of cigarette smoke. Forehand JB, et al. Anal Chem 42:1839-41, Dec 70
Ultraviolet spectrogramic microscope studies of Rous sarcoma virus cultured in cell-free medium. Alexander-Jackson E.
Ann NY Acad Sci 174:765-81, 30 Oct 70
Hemerythrin: further studies of Mössbauer spectra. Garbett K, et al.
Arch Biochem Biophys 142:574-83, Feb 71
Artifacts in the measured optic activity of membrane suspensions. Gordon DJ, et al.
Arch Biochem Biophys 142:481-8, Feb 71
Light-scattering contributions to the circular dichroism of particulate systems. Ottaway CA, et al.
Arch Biochem Biophys 139:257-64, Aug 70
A comparative study of x-ray diffraction and infrared absorption properties and amino-acid analysis of bovine enamel. Tamura K, et al.
Arch Oral Biol 16:801-11, Jul 71
Application of mass spectrometry to protein chemistry. II. Chemical ionization studies on acetylated permethylated peptides. Gray WR, et al.
Biochem Biophys Res Commun 41:1111-9, 9 Dec 70
Analysis of compounds containing phosphate and phosphonate by gas-liquid chromatography and mass spectrometry. Karlsson KA.
Biochem Biophys Res Commun 39:847-51, 5 Jun 70
Mass spectrometry of DNP-amino acids combination with paper chromatography. Studier MH, et al.
Biochem Biophys Res Commun 40:894-900, 24 Aug 70
Improved ellipticity data for several biological membranes. Urry DW, et al.
Biochem Biophys Res Commun 41:521-4, 9 Nov 70
Conformation of nucleic acids and the analysis of the hypochromic effect. Cox RA.
Biochem J 120:539-47, Dec 70
Hyperfine structure of (57Fe) iron in the Mössbauer spectrum of the high-potential iron protein from Chromatium. Evans MC, et al.
Biochem J 119:289-91, Sep 70
Optical activity of insulin. II. Effect of nonaqueous solvents. Ettinger MJ, et al.
Biochemistry 10:831-40, 2 Mar 71
Optical activity of insulin. I. On the nature of the circular dichroism bands. Ettinger MJ, et al.
Biochemistry 10:824-31, 2 Mar 71
Mass spectrometry of perdeuterated molecules of biological origin. Fatty acid esters from Scenedesmus obliquus. Wendt G, et al.
Biochemistry 9:4854-66, 8 Dec 70
Circular dichroism of transfer ribonucleic acid. Melcher G, et al. Biochimie 53:43-6, 1971
Raman scattering of some synthetic polypeptides: poly(gamma-benzyl L-glutamate), poly-L-leucine, poly-L-valine, and poly-L-serine. Koenig JL, et al.
Biopolymers 10:89-106, 1971
Raman spectra of poly-L-lysines. Koenig JL, et al.
Biopolymers 9:1229-37, 1970
Conformational dependence of the Raman scattering intensities from polynucleotides. Small EW, et al.
Biopolymers 10:69-88, 1971
An observation on the analysis of urinary calculi by infrared spectroscopy. Takasaki E.
Calcif Tissue Res 7:232-40, 1971
Raman spectroscopy of calcified tissue. Walton AG, et al. Calcif Tissue Res 6:162-7, 1970
The middle ultraviolet spectra of proteins. II. The denatured states of RNase. A'zary EP, et al.
Can J Biochem 48:963-9, Sep 70
The middle ultraviolet spectra of proteins. I. Studies on model compounds. A'zary EP, et al.
Can J Biochem 48:753-61, Sep 70
Detection of carbon. Phosphorus bonds by proton nuclear magnetic resonance spectroscopy. Benezra C, et al. Can J Biochem 48:991-3, Sep 70
Nuclear magnetic resonance and ultraviolet studies of the effect of p2H on reduced nicotinamide-adenine dinucleotide. Griffith PR, et al.
Can J Biochem 48:947-52, Sep 70
Gas chromatographic and mass spectrometric studies of synthetic and naturally occurring ceramides. Samuelsson K, et al.
Chem Phys Lipids 5:44-79, Oct 70 (41 ref.)
Analysis of compounds of biological interest by electron spectroscopy. Hulett LD, et al.
Clin Chem 16:677-80, Aug 70
Comparison of serum lithium determinations by flame photometry and atomic absorption spectrophotomerry. Levy AL, et al.
Clin Chem 16:840-2, Oct 70
The influence of air and natural gas flow rates on interferences in atomic absorption spectroscopy. Reed MF, et al. Clin Chim Acta 30:829-30, Dec 70
On the application of the statistical amplitude analyser, ASA, in quantitative EEG. Drohocki ZA.
Electroencephalogr Clin Neurophysiol 30:261, Mar 71
Analysis of the interrelations between frequency bands of the EEG by means of the bispectrum. A preliminary study. Dumermuth G, et al.
Electroencephalogr Clin Neurophysiol 31:137-48, Aug 71
Determination of sleep stages with the EEG interval spectrum analyser (KISA of Tönnies) and tests of its reliability. Gottschaldt M, et al.
Electroencephalogr Clin Neurophysiol 30:363, Mar 71
EEG analysis and psychological functions. Lehmann D.
Electroencephalogr Clin Neurophysiol 30:270, Mar 71
Optical rotatory dispersion and circular dichroism of cytochrome oxidase. King TE, et al.
Eur J Biochem 20:103-10, 11 May 71
Circular dichroism of acetoacetylated proteins. Marzotto A. Experientia 26:1084-5, 15 Oct 70
Isolation and characterization of hallachrome, a red pigment from the sea worm Hallaparthenopeia. Prota G, et al. Experientia 27:15-6, 15 Jan 71
Studies on the behaviour of circular dichroism of different hemoglobins in the 280 nm region. Ruckpaul K, et al. Experientia 26:1079-80, 15 Oct 70
Rapid screening of environmental samples using gama spectrometry. Daly JC, et al.
Health Phys 20:640-1, Jun 71
Rapid estimation of 241 Am content in plutonium. DelPizzo RG, et al. Health Phys 18:725-7, Jun 70
Specific gamma-ray constant and gamma spectrum of 182Ta. Ninković M, et al. Health Phys 20:215-9, Feb 71
Effect of absorbers on alpha spectral measurements. Peshori LH, et al. Health Phys 18:685-91, Jun 70
Absorption spectral curves of dichroism on collagen bundles. De Campos Vidal B, et al.
Histochemie 23:176-9, 1970
An application of signal processing techniques to the study of myoelectric signals. Kwatny E, et al.
IEEE Trans Biomed Eng 17:303-13, Oct 70
Biophysical studies of the immunoglobulins. The circular dichroic spectra of the immunoglobulins--a phylogenetic comparison. Litman GW, et al.
Int Arch Allergy Appl Immunol 40:551-75, 1971
Standardization of cadmium-109 sources for -ray emission rate. Hutchinson JM, et al.
Int J Appl Radiat Isot 22:405-14, Jul 71
Pesticide residue analysis in human tissue by combined gas chromatography--mass spectrometry. Biros FJ, et al. J Agric Food Chem 18:425-9, May-Jun 70
Interaction of alcohols with lysozyme. I. Studies on circular dichroism. Ikeda K, et al.
J Biochem (Tokyo) 68:785-94, Dec 70
Effect of proton donors on the absorption spectrum of flavin compounds in apolar media. Kotaki A, et al.
J Biochem (Tokyo) 68:287-92, Sep 70
Spectral studies on hen egg-white lysozyme modified with diisopropylphosphorofluoridate. Murachi T, et al. J Biochem (Tokyo) 69:209-17, Jan 71
A change in circular dichroism due to the binding of guanosine-3-phosphate to ribonuclease T1. Oshima T, et al. J Biochem (Tokyo) 70:197-9, Jul 71
Effect of salts on the N-F transition of bovine plasma albumin. Sogami M.
J Biochem (Tokyo) 69:319-22, Apr 71
Effect of pH on the optical absorption spectrum and effective number of the Bohr magneton of horse erythrocyte catalase in the range from 77 degrees K to 287 degrees K. Yoshida K, et al.
J Biochem (Tokyo) 68:349-57, Dec 70
Nanosecond time-resolved fluorescence spectra of a protein-dye complex. Brand L, et al.
J Biol Chem 246:2317-9, 10 Apr 71
Spectroscopic studies of five purified histones from calf thymus. Oh YH. J Biol Chem 245:6404-16, 10 Dec 70
The measurement by gas chromatography-mass spectrometry of oestra-1,3,5-triene-3,15 alpha, 16 alpha, 17 beta-tetrol (oestetrol) in pregnancy urine. Kelly RW. J Chromatogr 54:345-55, 3 Feb 71
Identification and quantitation of free neutral carbohydrates in milk products by gas-liquid chromatography and mass spectrometry. Reineccius GA, et al. J Dairy Sci 53:1018-22, Aug 70
Determination of tin in enamel and dentin by atomic absorption spectroscopy. Pearlman RS, et al.
J Dent Res 49:Suppl:1437-43, Nov-Dec 70
Emission spectrochemical analysis of submilligram samples. Harvey CE. J Forensic Sci 13:269-78, Apr 68
Spectrochemical detection of fluorine in fluoracetamide. Schoenfeld I, et al.
J Forensic Sci 13:267-8, Apr 68
Mass spectral analysis in the identification of human metabolites of warfarin. Trager WF, et al.
J Med Chem 13:1196-204, Nov 70
Polarized infrared studies of a polytripeptide with superfolded cross beta conformation. Rippon WB, et al. J Mol Biol 56:507-13, 28 Mar 71
Circular dichroism spectra of oriented and unoriented deoxyribonucleic acid films--a preliminary study. Tunis-Schneider MJ, et al.
J Mol Biol 52:521-41, 28 Sep 70
Combined gas-liquid chromatography--mass spectrometry in the study of barbiturate metabolism. Gilbert JN, et al.
J Pharm Pharmacol 22:897-901, Dec 70
The quantitative analysis of alkyl polyoxyethylene glycol monoethers with mass spectrometry and proton magnetic resonance spectroscopy in combination. McDonald C, et al.
J Pharm Pharmacol 22:727-8, Sep 70
The aggregation of chlorhexidine digluconate in aqueous solution from optical rotatory dispersion measurements. Perrin JH, et al.
J Pharm Pharmacol 23:76-7, Jan 71
Application of absorbance ratios to analysis of pharmaceuticals. VI. Analysis of binary mixture using a reference spectrum. Cho MJ, et al.
J Pharm Sci 59:1333-5, Sep 70
Analysis of barium in barium sulfate and diagnostic meals containing barium sulfate using atomic absorption spectroscopy. Sharp RA, et al.
J Pharm Sci 60:458-60, Mar 71
Absorption of light by non-refractive spherical shells. Papageorgiou G. J Theor Biol 30:249-54, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The separation, identification and estimation of prostaglandins in nanogram quantities by combined gas chromatography-mass spectrometry. Thompson CJ, et al. Life Sci [I] 9:983-8, 1 Sep 70

The use of infrared dichroic absorption spectra in the study of the structure of bovine fibrinogen and fibrin. Kahn CR, et al. Life Sci [II] 9:1125-32, 8 Oct 70

Continuous measurement of blood gases in vivo by mass spectrography. Wald A, et al. Med Biol Eng 8:111-28, Mar 70

Mass spectrometry in the detemination of structure of certain natural products containing sugars. Hanessian S. Methods Biochem Anal 19:105-228, 1971 (116 ref.)

Optical activity of LSD-DNA mixtures. Brady AH, et al. Nature (Lond) 232:189-90, 16 Jul 71

Determining body composition by radiation absorption spectrometry. Mazess RB, et al. Nature (Lond) 228:771-2, 21 Nov 70

Determination of iodine in urine by flame spectrometry. Gutsche B, et al. Naunyn Schmiedebergs Arch Pharmakol 270:94-7, 1971

The spectroscopy and photochemistry of naturally occurring and synthetic chromenes. Kolc J, et al. Photochem Photobiol 12:383-93, Nov 70

Studies on three-dimensional scintigraphy with gamma-gamma-coincidences. Schmitz-Feuerhake I. Phys Med Biol 15:649-56, Oct 70

The determination of x-ray spectra using attenuation measurements and a computer program. Twidell JW. Phys Med Biol 15:529-39, Jul 70

Experimental continuous and L-characteristic x-ray spectra for tungsten target tubes operated at 15 to 30kV. Unsworth MH, et al. Phys Med Biol 15:631-42, Oct 70

Theoretical continuous and L-characteristic x-ray spectra for tungsten target tubes operated at 10 to 50kV. Unsworth MH, et al. Phys Med Biol 15:621-30, Oct 70

Measurement of LET spectra using a spherical tissue-equivalent proportional counter. Wilson KS, et al. Phys Med Biol 15:657-66, Oct 70

NMR studies on the conformation of derivatives of the side chain of oxytocin: examples of cis-trans isomerism. Hruby VJ, et al. Proc Natl Acad Sci USA 68:450-3, Feb 71

A new basis for interpreting the circular dichroic spectra of proteins. Saxena VP, et al. Proc Natl Acad Sci USA 68:969-72, May 71

An interpretation of the optical density-dose relationship in irradiated clear polymethyl methacrylate. Chadwick KH. Radiat Res 44:282-95, Nov 70

Steam film sampling of water for mass spectrometric analysis of the deuterium content. Thurston WM. Rev Sci Instrum 42:700-3, May 71

Screening for metabolic disorders using gas-liquid chromatography, mass spectrometry, and computer technique. Jellum E, et al. Scand J Clin Lab Invest 27:273-85, May 71

Bispectrum analysis of electroencephalogram signals during waking and sleeping. Barnett TP, et al. Science 172:401-2, 23 Apr 71

Detection of air pollutants with tunable diode lasers. Hinkley ED, et al. Science 171:635-9, 19 Feb 71

On-line in vivo measurements of partial pressures of oxygen and carbon dioxide of blood, tissue, and respired air by mass spectrometry. Dardik H, et al. Surg Gynecol Obstet 131:1157-60, Dec 70

Circular dichroism of ovine luteinizing hormone and its subunits. Jirgensons B, et al. Tex Rep Biol Med 28:553-9, Winter 70

Ultrasonic absorption--a new technique. Woodcock JP. Ultrasonics 8:213-5, Oct 70

Dichroism in the retina at -196 degrees C. Strackee L. Vision Res 10:925-38, Oct 70

Identification of small amounts of barbiturate sedatives in biological samples by a combination of gas chromatography and mass spectrometry. Bonnichsen R, et al. Zacchia 6:371-85, Jul-Sep 70

[Analysis of the parrot voice on the spectroscope] Bauk V. Acta Otolaryngol (Stockh) 71:181-5, Feb-Mar 71 (Fre)

[Measurement of alveolar gas by means of single channel rapid scanning mass spectrography] Colinet-Lagneaux D, et al. Acta Tuberc Pneumol Belg 61:163-8, Jan-Apr 70 (Fre)

[Derivatives of benzo-(f)-diazepine-1,4 used in therapeutics. I. Study using spectroscopy and thin-layer chromatography of these derivatives, of their main metabolites and of the compounds formed by their acid hydrolysis] Lafargue P, et al. Ann Pharm Fr 28:343-54, May 70 (Fre)

[Quantitative determination of stable strontium by fluorescence x-ray spectrography in biological samples] Patti F. Bull Soc Chim Fr 11:4145-52, Nov 70 (Fre)

[Studies on the variations of the dichroic spectrum of hemoglobin due to oxygen fixation] Melki G. C R Acad Sci [D] (Paris) 271:2035-8, 30 Nov 70 (Fre)

[Use of an infrared spectrometry method of identification and determination of nonvolatile organic poisons in medico-legal toxicology] Corneteau H, et al. Med Leg Domm Corpor (Paris) 1:352-9, Oct 68 (Fre)

[Spectrometric study of the radioactive corporeal load in bats living in the radioactive atmosphere of subterranean sites, tunnels and radiovaporium of the Luchon thermal station] Grandpierre R, et al. Presse Therm Climat 107:30-2, 1970 (Fre)

[Use of mass spectrometry to respiratory physiology and physiopathology] Colinet-Lagneaux D. Rev Med Liege 24:347-51, 15 Apr 69 (Fre)

[pH-dependency of circular dichroism of human and cattle hemoglobin and horse myoglobin] Ruckpaul K, et al. Acta Biol Med Ger 24:25-32, 1970 (Ger)

[NMR-spectroscopic studies of 1-dimethyl-amino-2-methyl-3,3-diphenyl-alkanones] Haller R, et al. Arch Pharm (Weinheim) 303:775-9, Sep 70 (Ger)

[NMR-spectroscopic studies of coumaranones-(3), aurones and some S-analoguous compounds] Huke M, et al. Arch Pharm (Weinheim) 302:423-34, Jun 69 (Ger)

[Polyhydroxyaurones. 3. Systematic characterization by UV-spectroscopy and thin layer chromatography] Huke M, et al. Arch Pharm (Weinheim) 302:401-22, Jun 69 (Ger)

[Degradation mechanism of bromisoval, carbromal and other monoureides in the mass spectrometer] Rücker G, et al. Arch Pharm (Weinheim) 303:601-6, Jul 70 (Ger)

[Nucleic acids and their distribution in human sperm] Zimmermann H, et al. Dermatol Monatsschr 156:97-107, 1970 (Ger)

[Experiences with the determination of different minerals in biological material using atomic absorption spectroscopy] Feder H. Dtsch Tieraerztl Wochenschr 77:642-6, 15 Dec 70 (Ger)

[Spectrum analysis of EEG: before, during and after extracranial stimulation in man] Pfurtscheller G. Elektromed Biomed Tech 15:225-30, Nov 70 (Ger)

[Mass spectrometry identification of substituted phenylthiohydantoins from the Edman degradation of peptides] Weygand F, et al. Eur J Biochem 20:72-80, 11 May 71 (Ger)

[An improved method for the determination of helical protein from circular dichroism measurements] Rosenkranz H, et al. Hoppe Seylers Z Physiol Chem 352:896-904, Jul 71 (Ger)

[Mass spectra of N1-acyl derivatives of 2-acetamino-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranosylamine] Komori T, et al. Justus Liebigs Ann Chem 741:33-8, 1970 (Ger)

[EPR-spectroscopy] Fenner H. Mitt Dtsch Pharm Ges 41:165-73, Jul 71 (Ger)

[Infrared spectroscopy of drugs. Fundamentals, methods and application] Moll F. Mitt Dtsch Pharm Ges 41:119-36, May 71 (16 ref.) (Ger)

[Infrared spectroscopy of drugs. II. Basic principles, methods and application] Moll F. Mitt Dtsch Pharm Ges 41:145-61, Jun 71 (148 ref.) (Ger)

[Disturbances in the isoelectric focussing of proteins caused by anorganic ions] Blaich R. Naturwissenschaften 58:55-6, Jan 71 (Ger)

[Quantitative spectrum analysis of inhomogenously dispersed dye. Example hemoglobin] Lübbers DW, et al. Naturwissenschaften 58:321, Jun 71 (Ger)

[Physical analyses after a nuclear accident] Huber O. Strahlenschutz Forsch Prax 11:21-9, 1971 (Ger)

[266 Ra-calibration method for a total body-counter with radium, taking into account the absorption and spreading of the gamma irradiation as well as the macroscopic distribution pattern in humans] Poulheim KF. Strahlentherapie 139:553-64, May 70 (Ger)

[Spectroanalytic and radiochemical studies of metallosis] Lüdinghausen M von, et al. Verh Dtsch Ges Pathol 54:414-6, 1970 (Ger)

[Mass spectra of 1-dimethylaminonaphthalene-5-sulfonyl derivatives of some metabolites of catecholamines] Egge H, et al. Z Naturforsch [B] 26:229-34, Mar 71 (Ger)

[Application of the thermoreflection technic in the analysis of band structure of a solid state] Balzarotti A, et al. Ann Ist Super Sanita 6:82-87, 1970 (Ita)

[Study of thiocyanate compounds of diphenylethers and diphenylamines on physical properties and Hückel approximation of the thiocyanation reaction.] Hamada Y, et al. J Pharm Soc Jap 90:1488-93, Dec 70 (Jap)

[Mass spectra of alkyl and aryl hexopyranoside as well as hexofuranoside] Ida Y, et al. J Pharm Soc Jap 91:119-27, Jan 71 (Jap)

[Studies on the metal-nucleotide complexes. 3. Infrared absorption and NMR spectral studies of 5'-adenylic acid-metal complexes] Ogawa M. J Pharm Soc Jap 91:618-23, Jun 71 (Jap)

[Studies on the metal-nucleotide complexes. V. Isolation of the 5'-guanylic acid-metal complexes and their infrared absorption spectra] Ogawa M, et al. J Pharm Soc Jap 91:750-4, Jul 71 (Jap)

[Study on drug metabolites by mass spectrometry. I. Identification of N-acetate in metabolites of sulfanilamide derivatives] Tatematsu A, et al. J Pharm Soc Jap 90:1428-33, Nov 70 (Jap)

[Electron spin resonance (ESR) and infrared spectra of eye melanin and of the pigment in substantia nigra] Mikulski T. Acta Physiol Pol 21:219-25, Mar-Apr 70 (Pol)

[Identification of antibacterial antibiotics mutabililicin and sporangiomycin] Frolova VI, et al. Antibiotiki 16:204-7, Mar 71 (Rus)

[Use of dimethylsulfoxide in the study of the IR-spectra of proteins] Abaturov LV, et al. Biofizika 14:743-5, Jul-Aug 69 (Rus)

[Possibility of studying small conformational changes in polypeptide chain structure using vibration spectroscopy] Chirgadze IuN. Biofizika 14:792-5, Sep-Oct 69 (Rus)

[Calculation of some optical characteristics of polypeptides] Denisov DA. Biofizika 14:14-9, Jan-Feb 69 (Rus)

[Hyperchromism of nucleic acids in the infrared region] Maleev VIa, et al. Biofizika 16:389-97, May-Jun 71 (Rus)

[IR-spectra of transmission of light scattering samples] Ogorodnik KZ, et al. Biofizika 14:51-5, Jan-Feb 69 (Rus)

[Emission spectra of light-scattering samples of biopreparations] Ogorodnik KZ, et al. Biofizika 16:714-8, Jul-Aug 71 (Rus)

[Ultraviolet spectroscopy of nucleoproteins. I. Determination of the light-scattering contribution during the recording of electronic absorption spectra of nucleoproteins] Pluchennichak A, et al. Biofizika 16:398-406, May-Jun 71 (Rus)

[Possibility of determining the structure of oligosaccharides from their mass spectra] Chizhov OS, et al. Dokl Akad Nauk SSSR 197:607-9, 21 Mar 71 (Rus)

[Optical rotatory dispersion and circular dichroism of amino acid derivatives of nucleotides] Gromova ES, et al. Dokl Akad Nauk SSSR 189:892-4, 1 Dec 69 (Rus)

[Mass spectrometry of some isoquinoline alkaloids] Fesenko DA. Farmatsiia 19:64-70, Jul-Aug 70 (Rus)

[Prospectives of the use of infrared spectroscopy in pharmaceutical analysis] Shilov IuM, et al. Farmatsiia 20:76-82, Mar-Apr 71 (102 ref.) (Rus)

[Use of computers for identification of chemical compounds by spectral characteristics (retrieval system for IR-spectra)] Drobyshev IuP, et al. Vestn Akad Nauk SSSR 40:75-83, Aug 70 (Rus)

[Quantitative determination of microelements in the blood and cerebrospinal fluid by the emissive spectral analysis method] Kazakov SB, et al. Farm Zh 26:53-6, Jan-Feb 71 (Ukr)

[UV spectra of absorption of some pharmaceutical preparations, derivatives of aminophenols and their quantitative determination] Koval'chuk TV. Farm Zh 25:29-33, 1970 (Ukr)

[Atomic absorption analysis at the Institute of Occupational Health, Stockholm] Lindstedt G. Nord Hyg Tidskr 49:44-5, 1968 (Mul)

INSTRUMENTATION

A system for automatic temperature-programmed recording of circular dichroism and optical rotatory dispersion. Martz WW, et al. Anal Biochem 39:327-32, Feb 71

Biological applications of the carbon rod atomizer in atomic absorption spectroscopy. 1. Preliminary studies on magnesium, iron, copper, lead, and zinc in blood and plasma. Matoušek JP, et al. Clin Chem 17:363-8, May 71

Electronic compensation of the effects of water vapor in respiratory mass spectrometry. Scheid P, et al. J Appl Physiol 30:258-60, Feb 71

Instrumentation in criminalistics. Kirk PL. J Forensic Sci Soc 10:97-107, Apr 70 (132 ref.)

Circular dichroism of DNA films: reversibility studies. Maestre MF. J Mol Biol 52:543-56, 28 Sep 70

A recording spectrograph for analysing Doppler blood velocity signals (particularly from aortic flow) in real time. Light LH. J Physiol (Lond) 207:42P-44P, Apr 70

Cerebral blood flow and oxygen consumption. An on-line technique. Pevsner PH, et al. Johns Hopkins Med J 128:134-40, Mar 71

Impact of the laser. Nature (Lond) 228:320-1, 24 Oct 70

[The radio frequency mass spectrometer and the possibility of its application in studying external respiration] Uvarov BS, et al. Vestn Khir 103:98-102, Nov 69 (Rus)

SPEECH (F1, G1, L)

see also related
VERBAL BEHAVIOR (F1)

Speech pattern changes during edentulous and denture conditions. I. Palatographic study. Wictorin L, et al. Acta Odontol Scand 28:729-37, Nov 70

Anterior teeth relationship and speech. Studies using cineradiography synchronized with speech recording. Jensen R. Acta Radiol [Diagn] (Stockh) Suppl 276:1+, 1968

Birdsong and speech development: could there be parallels? Marler P. Am Sci 58:669-73, Nov-Dec 70
Diagnostic significance of PB word functions. Jerger J, et al. Arch Otolaryngol 93:573-80, Jun 71
Speech and language in the Philippines. Williams JD. ASHA 13:271-4, May 71
The use of operant procedures to reduce rates of reading and speaking. Bradford LJ. ASHA Monogr 14:19-23, Jan 70
Spoken communication. Whitwam JG. Br J Anaesth 42:768-78, Sep 70
Social and ethnic differences in understanding the spoken word. Wooster AD. Br J Disord Commun 5:118-25, Oct 70
Depression: defence mechanisms in speech. Hinchliffe MK, et al. Br J Psychiatry 118:471-2, Apr 71
The repetition of single speech sounds under delayed auditory feedback. Fletcher JF, et al. Br J Psychol 62:73-9, Feb 71
Acoustic analysis of the acquisition of acceptable r in American English. Klein RP. Child Dev 42:543-50, Jun 71
Videofluoroscopy examination. Morris HL, et al. Cleft Palate J 8:212-3, Apr 71
The relationship between three oral breath pressure ratios and ratings of severity of nasality for talkers with cleft palate. Weinberg B, et al. Cleft Palate J 8:251-6, Jul 71
Success of an obturator reduction program. Weiss CE. Cleft Palate J 8:291-7, Jul 71
A preliminary report on studies of mandibular movements in speech. Geissler PR. Dent Pract Dent Rec 21:429-32, Aug 71
Relation of speech patterns in psychotherapy to empathic ability, responsiveness to approval and dapproval. Staples FR, et al. Dis Nerv Syst 31:Suppl:100-4, Nov 70
Speech intelligibility in a background noise and noise-induced hearing loss. Acton WI. Ergonomics 13:546-54, Sep 70
Experimental interference with auditory feedback. Langová J, et al. Folia Phoniatr (Basel) 22:191-6, 1970
Air flow in the upper register. McGlone RE. Folia Phoniatr (Basel) 22:231-8, 1970
Relations between motorics of speech and general motor ability in clutterers. Seeman M. Folia Phoniatr (Basel) 22:376-80, 1970
An international terminology in the field of logopedics and phoniatrics. Sonninen A, et al. Folia Phoniatr (Basel) 23:1-32, 1971
Vocal initiation. High speed cinematographic studies on normal subjects. Werner-Kukuk E, et al. Folia Phoniatr (Basel) 22:107-16, 1970
Spontaneous speech effects in hypnosis. Hunt SM. Int J Clin Exp Hypn 19:225-33, Oct 71
Ordinal language and superego genesis: a hitherto unnoticed influence of language on the formation of psychic structure. Walsh MN. Int J Psychoanal 52:115-25, 1971
Disinhibition of communicated thought: generality and role of cognitive style. Holzman PS, et al. J Abnorm Psychol 77:263-74, Jun 71
Effects of filtering and vowel environment on consonant perception. Gay T. J Acoust Soc Am 48:993-8, Oct 70
Formant concentration positions in the speech of children at two levels of linguistic development. Gilbert JH. J Acoust Soc Am 48:Suppl 2:1404+, Dec 70
Descriptions of the speech of patients with cancer of the vocal folds. I. Measures of fundamental frequency. Hecker MH, et al. J Acoust Soc Am 49:Suppl 2:1275+, Apr 71
Descriptions of the speech of patients with cancer of the vocal folds. II. Judgments of age and voice quality. Kreul EJ, et al. J Acoust Soc Am 49:Suppl 2:1283+, Apr 71
Analysis of fundamental frequency contours in speech. Levitt H, et al. J Acoust Soc Am 49:Suppl 2:569+, Feb 71
Spech communication in diving masks. I. Acoustics of microphones and mask cavities. Morrow CT, et al. J Acoust Soc Am 50:1-9, Jul 71
Speech communication in diving masks. II. Psychoacoustic and supplementary tests. Morrow CT, et al. J Acoust Soc Am 50:10-22, Jul 71
Binaural unmasking of vocalic signals. Mosko JD, et al. J Acoust Soc Am 49:Suppl 2:1203+, Apr 71
Pitch of tone bursts of changing frequency. Nábělek IV, et al. J Acoust Soc Am 48:534-53, Aug 70
Acoustical variables in open planning. Pirn R. J Acoust Soc Am 49:1339-45, May 71
Hemispheric specialization for speech perception. Studdert-Kennedy M, et al. J Acoust Soc Am 48:579-94, Aug 70
Transducer for measuring mandibular movements. Sussman HM, et al. J Acoust Soc Am 48:857-8, Oct 70
Transducer for measuring lip movements during speech. Sussman HM, et al. J Acoust Soc Am 48:858-60, Oct 70
Variations in speech sounds during psychotherapy: an independent indicator of change. Kernberg PF, et al. J Am Acad Child Psychiatry 9:762-7, Oct 70
The measurement of speaker credibility. Fulton RB. J Commun 20:270-9, Sep 70
Group insight versus group desensitization in treating speech anxiety. Meichenbaum DH, et al. J Consult Clin Psychol 36:410-21, Jun 71
Anxiety and depression in speech. Pope B, et al. J Consult Clin Psychol 35:128-33, Aug 70
Anxiety and speech in the initial interview. Pope B, et al. J Consult Clin Psychol 35:233-8, Oct 70
An apparatus and procedure for the perceptual study of speech pauses. Ruder KR, et al. J Exp Anal Behav 14:287-9, Nov 70
Metered memory search and concurrent chanting. Weber RJ, et al. J Exp Psychol 89:162-70, Jul 71
Binaural advantages in hearing of speech. MacKeith NW, et al. J Laryngol Otol 85:213-32, Mar 71
The frequency of sleep talking in the laboratory among chronic sleep talkers and good dream recallers. Arkin AM, et al. J Nerv Ment Dis 151:369-74, Dec 70
The degree of concordance between the content of sleep talking and mentation recalled in wakefulness. Arkin AM, et al. J Nerv Ment Dis 151:375-93, Dec 70
Acoustic level and vocal effort as cues for the loudness of speech. Allen GD. J Opt Soc Am 49:1831-41, Jun 71
A masking noise with speech-envelope characteristics for studying intelligibility. Horii Y, et al. J Opt Soc Am 49:1849-56, Jun 71
Discrimination of filtered-clipped speech by hearing-impaired subjects. Thomas IB, et al. J Opt Soc Am 49:1881-7, Jun 71
Most comfortable loudness for pure tones, noise, and speech. Ventry IM, et al. J Opt Soc Am 49:1805-13, Jun 71
Utilizing speech to simplify a personalized denture service. Pound E. J Prosthet Dent 24:586-600, Dec 70
Effect of cleft palate prostheses on respiratory effort. Wood MT, et al. J Prosthet Dent 26:213-8, Aug 71
On the use of parametric statistical techniques to assess the on-off characteristics of speech. Breskin S, et al. J Psychol 75:41-4, May 70
Modification of speech discrimination in patients with binaural asymmetrical hearing loss. Arkebauer HJ, et al. J Speech Hear Disord 36:208-12, May 71
The respirometer as a diagnostic and clinical tool in the speech clinic. Beckett RL. J Speech Hear Disord 36:235-41, May 71
A case supporting Martin's hypothesis. Jones MC. J Speech Hear Disord 36:291-2, May 71
Compensatory physiologic phonetics for the glossectomee. Skelly M, et al. J Speech Hear Disord 36:101-14, Feb 71
Neurophysiological feature detectors and speech perception: a discussion of theoretical implications. Abbs JH, et al. J Speech Hear Res 14:23-36, Mar 71
Auditory training and speech discrimination. Bode DL, et al. J Speech Hear Res 13:839-55, Dec 70
Hearing aid distortion and consonant identification. Bode DL, et al. J Speech Hear Res 14:323-31, Jun 71
Severity of nasality in three selected speech tasks. Carney PJ, et al. J Speech Hear Res 14:396-407, Jun 71
Articulation and stress-juncture production under oral anesthetization and masking. Gammon SA, et al. J Speech Hear Res 14:271-82, Jun 71
Some recent developments in the use of electromyography in speech research. Gay T, et al. J Speech Hear Res 14:241-6, Jun 71
Consistency of judgments of articulatory productions. Irwin RB. J Speech Hear Res 13:548-55, Sep 70
Temporal patterns of speech and sample size. Jaffe J, et al. J Speech Hear Res 13:667-8, Sep 70
Phonemic variability in apraxia of speech. Johns DF, et al. J Speech Hear Res 13:556-83, Sep 70
Spectral noise levels and roughness severity ratings for normal and simulated rough vowels produced by adult females. Lively MA, et al. J Speech Hear Res 13:503-17, Sep 70
Sentence familiarity as a factor in visual speech reception (lipreading) of deaf college students. Lloyd LL, et al. J Speech Hear Res 14:291-4, Jun 71
Examination of the CROS type hearing aid. Lotterman SH, et al. J Speech Hear Res 14:416-20, Jun 71
Identification of brief pauses in the fluent speech of stutterers and nonstutterers. Love LR, et al. J Speech Hear Res 14:229-40, Jun 71
Perception of simultaneous dichotic and monotic monosyllables. Lowe SS, et al. J Speech Hear Res 13:812-22, Dec 70
Reply to "comment on 'primary stuttering at the onset of stuttering: a reexamination of data'". McDearmon JR. J Speech Hear Res 14:447-8, Jun 71
Comment on "the relationship between articulatory deficits and syntax in speech defective children". McNutt JC, et al. J Speech Hear Res 13:669-70, Sep 70
Lateral pharyngeal wall movement during speech production. Minifie FD, et al. J Speech Hear Res 13:584-94, Sep 70
The operant manipulation of vocal pitch in normal speakers. Moore JC, et al. J Speech Hear Res 14:283-90, Jun 71
Syntax of preschool fluent and disfluent speech: a transformational analysis. Muma JR. J Speech Hear Res 14:428-41, Jun 71
Writedown versus talkback scoring and scoring bias in speech discrimination testing. Nelson DA, et al. J Speech Hear Res 13:645-54, Sep 70
Relationship between speech sound discrimination skills and language abilities of kindergarten children. Perozzi JA, et al. J Speech Hear Res 14:382-90, Jun 71
Social class and code elaboration in oral communication. Poole ME, et al. J Speech Hear Res 14:421-7, Jun 71
Vowel recognition threshold as a function of temporal segmentations. Powell RL, et al. J Speech Hear Res 13:715-24, Dec 70
The relative contribution of visual and auditory components of speech to speech intelligibility as a function of three conditions of frequency distortion. Sanders DA, et al. J Speech Hear Res 14:154-9, Mar 71
Spectral noise levels and roughness severity ratings for normal and simulated rough vowels produced by adult males. Sansone FE Jr, et al. J Speech Hear Res 13:489-502, Sep 70
Reassembly of segmented CVC syllables by children. Shriner TH, et al. J Speech Hear Res 13:537-47, Sep 70
Reply to "comments on the relationship between articulatory deficits and syntax in speech defective children". Shriner TH, et al. J Speech Hear Res 14:442-4, Jun 71
Comment on "primary stuttering at the onset of stuttering: a reexamination of data". Silverman EM. J Speech Hear Res 14:446-7, Jun 71
The effect of rhythmic auditory stimulation on the disfluency of nonstutterers. Silverman FH. J Speech Hear Res 14:350-5, Jun 71
Delayed speech feedback and age. Smith KU, et al. J Speech Hear Res 14:214-9, Mar 71
Measurement of hearing handicap. Speaks C, et al. J Speech Hear Res 13:768-76, Dec 70
Comparison of sentence identification and conventional speech discrimination scores. Speaks C, et al. J Speech Hear Res 13:755-67, Dec 70
Hearing aid efficiency in a competing speech situation. Tillman TW, et al. J Speech Hear Res 13:789-811, Dec 70
A comparison of the results of pressure articulation testing in various contexts for subjects with cleft palates. Van Denmark DR. J Speech Hear Res 13:741-54, Dec 70
Changes in reliance on auditory feedback cues as a function of oral practice. Webster RL, et al. J Speech Hear Res 14:307-11, Jun 71
Psychological correlates of speech characteristics: on sounding "disadvantaged". Williams F. J Speech Hear Res 13:472-88, Sep 70
Quality judgments of hearing aid transduced speech. Witter HL, et al. J Speech Hear Res 14:312-22, Jun 71
A comparison of averaged evoked response amplitudes using nonaffective and affective verbal stimuli. Young LL Jr, et al. J Speech Hear Res 14:295-300, Jun 71
On nucleus component durations. Bernard JR. Lang Speech 13:89-101, Apr-Jun 70
The interaction of sentence characteristics and mode of presentation in recall. Feldman CF. Lang Speech 14:18-25, Jan-Mar 71
A perceptual study of American English diphthongs. Gay T. Lang Speech 13:65-88, Apr-Jun 70
The articulation test as a linguistic technique. Higgs JA. Lang Speech 13:262-70, Oct-Dec 70
Speech intelligibility for interaural alternated speech with and without intervening noise for words and nonsense. Kreul EJ. Lang Speech 14:99-107, Jan-Mar 71
Some observations on the metatheory of speech perception. MacNeilage PF. Lang Speech 14:12-7, Jan-Mar 71
Synthesis by rule as a tool for phonological research. Mattingly IG. Lang Speech 14:47-56, Jan-Mar 71
Functions of hesitations in the speech of normal families and families of schizophrenic patients. Mishler EG, et al. Lang Speech 13:102-17, Apr-Jun 70
Synthesis by rule of some retroflex speech sounds. Ramasubramanian N, et al. Lang Speech 14:65-85, Jan-Mar 71
On the spoken disambiguation of superficially ambiguous sentences. Scholes RJ. Lang Speech 14:1-11, Jan-Mar 71
Classifying allophones. Tatham MA. Lang Speech 14:140-5, Apr-Jun 71
General language deficits in children with articulation problems. Whitacre JD, et al. Lang Speech 13:231-9, Oct-Dec 70
Negro children's speech: some social class differences in word predictability. Williams F, et al. Lang Speech 13:141-50, Jul-Sep 70
Musical tests for functional lateralization with intracarotid amobarbital. Bogen JE, et al. Nature (Lond) 230:524-5, 23 Apr 71
On your own for that first speech. Fielding J. Nurs Times 66:1689, 31 Dec 70
Ratings of vowel representativeness. Cullinan WL, et al. Percept Mot Skills 32:395-401, Apr 71
Effect of intertrial interval and verbal reinforcement on choice of front or back tongue position. Dixon PW, et al. Percept Mot Skills 32:59-62, Feb 71
Phoneme perception in two- and three-year-old children. Locke JL. Percept Mot Skills 32:215-7, Feb 71
Phonemic processing in silent reading. Locke JL. Percept Mot Skills 32:905-6, Jun 71
Sex as a factor influencing sensitivity to delayed auditory feedback. Timmons BA. Percept Mot Skills 32:824-6, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The neurological justification for the use of interruption in communication. Fremont-Smith F. Perspect Biol Med 14:333-8, Winter 71
Speech changes after pharyngeal flap surgery. Hamlen M. Plast Reconstr Surg 46:437-44, Nov 70
An unobtrusive measure of prejudice toward Negroes under differing durations of speech. Jaffee CL, et al. Psychol Rep 27:823-8, Dec 70
Perceiving the sequence of speech and non-speech stimuli. Bertelson P, et al. Q J Exp Psychol 22:653-62, Nov 70
Ear differences in the recall of fricatives and vowels. Darwin CJ. Q J Exp Psychol 23:46-62, Feb 71
Encoding and the REA for speech signals. Haggard MP. Q J Exp Psychol 23:34-45, Feb 71
Phoniatric speech evaluation after velopharyngoplasty. A clinical study of 82 cleft palate patients. Lindholm H. Scand J Plast Reconstr Surg 5:47-52, 1971
Auditory illusions and confusions. Warren RM, et al. Sci Am 223:30-6, [illegible] 70
Differential cerebral processing of noise and verbal stimuli. Cohen R. Science 172:599-601, 7 May 71
Speech perception in infants. Eimas PD, et al. Science 171:303-6, 22 Jan 71
Language production: electroencephalographic localization in the normal human brain. McAdam DW, et al. Science 172:499-502, 30 Apr 71
Lecturing. Heath GB. Vet Rec 89:256-9, 4 Sep 71
[Voice in psychosomatic development in children] Herren H. J Fr Otorhinolaryngol 20:429-35, Feb 71 (Fre)
[Evolution of phonation from early infancy to puberty: electro-glottographic study] Holm C. J Fr Otorhinolaryngol 20:437-40, Feb 71 (Fre)
[Social meaning of the human message] Mounier-Kuhn P. J Med Lyon 50:1543-54, 20 Nov 69 (Fre)
[Recent data on the physiology of phonation] Chouard CH. Probl Actuels Otorhinolaryngol 135-51, 1969 (Fre)
[The influence of buccal functions on the teeth. Logopedic consequences] Cauhépé J. Rev Laryngol Otol Rhinol (Bord) 91:688-92, Sep-Oct 70 (Fre)
[Ultrasonoglottography (preliminary report). Ultrasonic process of registration of the glottis joining during phonation] Kitamura T, et al. Rev Laryngol Otol Rhinol (Bord) 90:190-5, Mar-Apr 69 (Fre)
[Orthophony and dental prosthesis] Michelet FX, et al. Rev Laryngol Otol Rhinol (Bord) 91:702-3, Sep-Oct 70 (Fre)
[Time factor in phoniatrics] Pommez J. Rev Laryngol Otol Rhinol (Bord) 90:133-52, Mar-Apr 69 (Fre)
[Gerontological studies on vocal range and vocal register] Böhme G, et al. Folia Phoniatr (Basel) 22:176-84, 1970 (Ger)
[Freiburg's speech understanding test and its apperception] Ackermann R. HNO 17:89-91, Mar 69 (Ger)
[Medium pitch in young and old people] Froeschels E. HNO 17:14, Jan 69 (Ger)
[Remarks on speaking and writing] Heilner H. Med Klin 65:573-4, 20 Mar 70 (Ger)
[On the subtraction of stratigrams in the study of some phonetic positions of the larynx] Rossi M, et al. Clin Otorinolaringoiatr 20:740-54, Nov-Dec 68 (Ita)
[Speech and cerebral organization] Gainotti G, et al. Riv Neurobiol 16:153-67, Apr-Jun 70 (Ita)
[Phonetical investigation on cleft palate speech] Minatogawa M. Med J Kobe Univ 31:1-29, Dec 69 (Jap)
[Development of speech in children. 7. Changes of speech sound frequency in conversation of children] Nakanishi Y, et al. Otolaryngology (Tokyo) 43:473-80, Jun 71 (Jap)
[Speech proficiency following operative treatment of cleft palate] Wakui I, et al. Otolaryngology (Tokyo) 42:1055-62, Dec 70 (Jap)
[The structure of speech in autistic children] Ishikawa T. Psychiatr Neurol Jap 72:1159-74 passim, Dec 70 (Jap)
[Speech-physiological studies on articulation in the Japanese language. 1. Speech-physiological observation of palatal shapes of the Japanese] Kanematsu T. Shikwa Gakuho 71:1789-804, Jul 71 (Jap)
[Significance of organic frequency bands for the understanding of the Polish language] Ceypek T, et al. Otolaryngol Pol 24:429-33, 1970 (Pol)
[Distinction and discrimination of speech sounds in a 1-syllable test for children] Pruszewicz A, et al. Otolaryngol Pol 24:447-51, 1970 (Pol)
[On the method of electromyographic examination of the velo-palatine, pharyngeal and laryngeal musculature] Asgian B, et al. Stud Cercet Neurol 15:319-26, 1970 (Rum)
[2d signal system as a diagnostic boundary between Troglodytidae and Hominidae] Porshnev BF. Dokl Akad Nauk SSSR 196:228-31, 1971 (Rus)
[Various parallels between physical and biological bases of voice formation and lip sound formation] Bekbulatov GT. Vestn Otorinolaringol 32:30-2, Sep 70 (Rus)
[Reflection of speech signals in the nervous system] Chistovich LI, et al. Zh Vyssh Nerv Deiat 20:413-21, Mar-Apr 70 (Rus)
[Characteristics of formation of the autonomic component in human speech reactions] Sukhanova NV. Zh Vyssh Nerv Deiat 19:313-8, Mar-Apr 69 (Rus)
[Effect of trigeminal nerve block on the speech ability of the lip muscles] Persson A, et al. Nord Med 85:638, 20 May 71 (Swe)

DRUG EFFECTS

The effects of certain drugs on phonation. Fishman BV, et al. J Speech Hear Res 14:301-6, Jun 71
The effect of L-dopa treatment on the speech of patients with Parkinson's disease. Audelman JU, et al. Neurology (Minneap) 20:410-1, Apr 70

SPEECH DISORDERS (C10, F2)

see also related
DEAF-MUTISM (C11)

Luria's verbal deficiency theory of mental retardation and performance on sameness, symmetry, and opposition tasks: a critique. Zigler E, et al. Am J Ment Defic 75:400-13, Jan 71
The information center and what it can do for you. Catlin FI. Arch Otolaryngol 92:529, Dec 70
The unity of communicology. Goldstein R. ASHA 12:543-50, Nov 70
Notes on patterns of development found by using the qualitative phonetic assessment sheet of the Edinburgh articulation test. Anthony N, et al. Br J Disord Commun 5:148-64, Oct 70
Stuttering and normal nonfluency a continuity hypothesis. Bloodstein O. Br J Disord Commun 5:30-9, Apr 70
The speech of deaf and partially-hearing children with special reference to factors affecting intelligibility. Markides A. Br J Disord Commun 5:126-40, Oct 70
Dysphonia: the organization and working of a dysphonia clinic. Simpson IC. Br J Disord Commun 6:70-85, Apr 71
Expressive language in the surgically separated minor hemisphere. Levy J, et al. Cortex 7:49-58, Mar 71
Speech and intelligence in adult cleft-palate patients. Lovius BB. Dent Pract Dent Rec 21:290-3, Apr 71
Certain speech characteristics of mentally retarded children. Massengill R. Folia Phoniatr (Basel) 22:139-42, 1970
The current world status of logopedics and phoniatrics. Segre R. Folia Phoniatr (Basel) 23:155-97, 1971
Your patient with a speech and-or hearing problem. Walton J, et al. J Arkansas Med Soc 67:225-6, Dec 70
Clinical follow-up of 192 normally hearing children with delayed speech. Beagley HA, et al. J Laryngol Otol 84:1001-11, Oct 70
Speech difficulties symptomatic of destructive behavior toward self or others. Mehrhof EG, et al. J Nerv Ment Dis 152:63-7, Jan 71
Functional speech disorders and personality: a decade of research. Bloch EL, et al. J Speech Hear Disord 36:295-314, Aug 71 (71 ref.)
Comment on "the relationship between articulatory deficits and syntax in speech defective children". McNutt JC, et al. J Speech Hear Res 13:669-70, Sep 70
Syntax of preschool fluent and disfluent speech: a transformational analysis. Muma JR. J Speech Hear Res 14:428-41, Jun 71
Reply to "comments on the relationship between articulatory deficits and syntax in speech defective children". Shriner TH, et al. J Speech Hear Res 14:442-4, Jun 71
Speech disorders in children. Rose FC. Lond Clin Med J 11:39-46, Jul 70
Speech disorders in childhood. I. Types of speech disorders. Ingram TT. Nurs Times 67:171-5, 11 Feb 71
Voice confrontation in individuals with normal and defective speech patterns. Weston AJ, et al. Percept Mot Skills 30:187-90, Feb 70
Conversion of an inferiorly-based pharyngeal flap to a superiorly-based position. McEvitt WG. Plast Reconstr Surg 48:36-9, Jul 71
Experience with the sensation-seeking-scale by Zuckerman in speech disorders. Kempe P, et al. Psychiatr Neurol Neurochir 74:59-64, Jan-Feb 71
[Voice, speech and language abnormalities during the 1st school year] Franckx H. Arch Belg Med Soc 26:589-95, Oct 68 (Dut)
[Electro-acoustic study of various voices. The value of sonography in vocal rehabilitation] Hennebert D, et al. Acta Otorhinolaryngol Belg 23:504-22, 1969 (Fre)
[Neuropsychiatric examination in voice disorders in children] Gouin M, et al. J Fr Otorhinolaryngol 20:465-8, Feb 71 (Fre)
[What is anarthria?] Sabouraud O, et al. Presse Med 79:675-8 passim, 24 Mar 71 (Fre)
[Action of speech psychorhythmics in a group of children] Domain M. Rev Laryngol Otol Rhinol (Bord) 90:230-49, Mar-Apr 69 (Fre)
[Temporal structuralization and disorders of spoken and written language] Ducassou C. Rev Laryngol Otol Rhinol (Bord) 90:202-29, Mar-Apr 69 (Fre)
[Psychologic inhibitions observed during vocal re-education] Le Huche F. Rev Laryngol Otol Rhinol (Bord) 90:195-201, Mar-Apr 69 (Fre)
[Report of the Congress of the International Society for Logopedics and Phoniatrics from 31 August to 7 September in Paris] Becker KP, et al. Z Aerztl Fortbild (Jena) 64:208-10, 15 Feb 70 (Ger)
[Delayed auditory feedback effect and tendency of interference: testing a hypothesis] Bäumler G. Z Exp Angew Psychol 17:357-70, 1970 (Ger)
[Clinical psychodiagnosis in speech and voice disorders] Kassian A. Z Laryngol Rhinol Otol 50:250-4, Apr 71 (Ger)
[The problem of speech disorders and their psychosocial aspects] Rubinato L, et al. Minerva Pediatr 22:2271-2, 17 Nov 70 (Ita)
[Social and preventive pediatric otorhinolaryngology] Vacalebre L. Riv Clin Pediatr 81:1323-8, Nov-Dec 68 (Ita)
[Unilateral facial hypertrophy in a patient with a speech disorder] Eguchi S. Otolaryngology (Tokyo) 43:155-61, Feb 71 (Jap)
[Longitudinal study of speech development in children. 5. A case with delayed onset of speech] Nakanishi Y. Otolaryngology (Tokyo) 43:97-115, Feb 71 (Jap)
[Speech disorders in the child] Bernaldo DE Quiros J. ADM 28:29-45, Jan-Feb 71 (Spa)

CHEMICALLY INDUCED

Bilateral intracarotid amytal injection. A study of dysphasia, disturbance of consciousness and paresis. Hommes OR, et al. Psychiatr Neurol Neurochir 73:447-59, Nov-Dec 70
[Toxic effects of cyclopentolate. Case of severe dysarthria with transitory loss of phonation] Missiroli A. Boll Ocul 48:433-8, Jun 69 (Ita)
[Case of a functional impairment of voice and speech after novocaine injections] Troshanov T. Zh Ushn Nos Gori Bolezn 30:103, Jul-Aug 70 (Rus)

CLASSIFICATION

An international terminology in the field of logopedics and phoniatrics. Sonninen A, et al. Folia Phoniatr (Basel) 23:1-32, 1971
[Classification of speech disorders of the evolutive age] Poggiali B. Riv Neurobiol 16:209-20, Apr-Jun 70 (Ita)

COMPLICATIONS

Documentation of syndactyly and Treacher Collins syndrome for possible concomitant speech disorders. Massengill R Jr, et al. Br J Disord Commun 6:45-51, Apr 71
Speech and histidinemia: methodology and evaluation of four cases. Lott IT, et al. Dev Med Child Neurol 12:596-603, Oct 70
Some problems of cluttering. Langová J, et al. Folia Phoniatr (Basel) 22:325-36, 1970
Ataxic dysarhria. Brown JR, et al. Int J Neurol 7:302-18, 1970
Periodicity of speech in Parkinsonism. Mawdsley C, et al. Nature (Lond) 231:315-6, 4 Jun 71
Developing malocclusion and infantile speech. Jaffe PE, et al. NY J Dent 41:135 passim, Apr 71
[Speech and temporospatial disorders: an experiment with the Language Master] Bonistalli E, et al. Riv Neurobiol 16:225-8, Apr-Jun 70 (Ita)
[Dynamics of speech and mental disorders in children and adolescents with the motor alalia syndrome] Kovalev VV, et al. Zh Nevropatol Psikhiatr 70:1561-5, 1970 (Rus)
[Transitional syndrome associated with paraphasia] Bellido I. Rev Clin Esp 118:473-6, 15 Sep 70 (Spa)

DIAGNOSIS

The detection of minimal dysphasia. Keenan JS. Arch Phys Med Rehabil 52:227-32, May 71
Diagnosis of speech problems in patients with cleft palate. McWilliams BJ, et al. Br J Disord Commun 6:26-32, Apr 71
The assessment of nominal dysphasia in dementia: the use of reaction-time measures. Lawson JS, et al. Br J Med Psychol 41:411-4, Dec 68
Investigations on incidence and symptomatology of cluttering. Becker KP, et al. Folia Phoniatr (Basel) 22:261-71, 1970
Stuttering and cluttering. Developmental aspects of dysrhythmic speech. De Hirsch K. Folia Phoniatr (Basel) 22:311-24, 1970
A casuistic model of a logopedic assessment in private practice. Goldschmidt P. Folia Phoniatr (Basel) 22:289-300, 1970
Cluttering and its problems. Grewel F. Folia Phoniatr (Basel) 22:301-10, 1970
Stuttering and cluttering. The differential diagnosis. Van Riper C. Folia Phoniatr (Basel) 22:347-53, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Early motor unit disease masquerading as psychogenic breathy dysphonia: a clinical case presentation. Aronson AE. J Speech Hear Disord 36:115-24, Feb 71
The respirometer as a diagnostic and clinical tool in the speech clinic. Beckett RL.
J Speech Hear Disord 36:235-41, May 71
Interclinician agreement. Knox JA, et al.
J Speech Hear Disord 36:292, May 71
Consistency of judgments of articulatory productions. Irwin RB. J Speech Hear Res 13:548-55, Sep 70
Phonemic variability in apraxia of speech. Johns DF, et al. J Speech Hear Res 13:556-83, Sep 70
Positive carriers of violence among children: detection by speech deviations. Filippi R, et al.
Ment Hyg 55:157-61, Apr 71
A reply to "positive carriers of violence among children: detection by speech deviations". Fraser B, et al. Ment Hyg 55:162-4, Apr 71
Identification of communication disorders by resident physicians. Schaye GF, et al.
NY State J Med 71:1941-2, 15 Aug 71
A speech screening procedure with three-year-old children. Fiedler MF, et al.
Pediatrics 48:268-76, Aug 71
Nasal speech: some points in diagnosis and treatment. Hansen DA. S Afr Med J 44:1389-90, 12 Dec 70
[Pseudo-bulbar congenital syndromes and congenital bucco-facial apraxias. Importance of oscillographic recording of speech] Chevrie-Muller C, et al.
Arch Fr Pediatr 27:1019-39, 1970 (Fre)
[Trial on the diagnostic value of speech disorders in injuries of motor ways] Martin MM, et al.
J Fr Otorhinolaryngol 19:561-3, Sep 70 (Fre)
[Phoniatric examination of some neurological patients] Pommez J, et al.
Rev Laryngol Otol Rhinol (Bord) 90:375-83, Jul-Aug 69 (Fre)
[Phoniatric, clinical and instrumental study of dysarthria. II. Results in patients presenting bulbar and pseudo-bulbar syndromes] Chevrie-Muller C, et al. Rev Neurol (Paris) 122:123-38, Feb 70 (Fre)
[Practical experiences with a speech understanding test administered to young children] Albrecht R.
HNO 17:121-5, Apr 69 (Ger)
[Pneumographic studies in the diagnosis of hyperkinetic dysphonia in children] Supáček I.
Monatsschr Ohrenheilkd Laryngorhinol 104:168-72, 1970 (Ger)
[Cardinal symptom: speech disorders] Bärscheider M.
Munch Med Wochenschr 112:2001-3, 30 Oct 70 (Ger)
[Audiophonologopedic and electroacoustic observations in mongoloid patients] De Santis M, et al.
Clin Otorinolaringoiatr 20:561-4, Nov-Dec 68 (Ita)
[New audiometer for objective E.E.G. audiometry] Mora E, et al.
Clin Otorinolaringoiatr 21:411-8, Nov-Dec 69 (Ita)
[Tests for development of voluntary movement in children with speech disorders] Nishiyama A.
J Otolaryngol Jap 73:1634-61, Oct 70 (Jap)
[Some differences in speech disorders in schizophrenia and motor alalia in children of preschool age] Mastiukova EM.
Zh Nevropatol Psikhiatr 70:1523-8, 1970 (Rus)

DRUG THERAPY

A contribution to pharmacotherapy of stuttering and cluttering. Sedláčková E.
Folia Phoniatr (Basel) 22:354-75, 1970

ETIOLOGY

Permanent nasal escape in speech after adenoidectomy. Calnan JS.
Br J Plast Surg 24:197-204, Apr 71
Congenital large pharynx. A new syndrome with a report on 41 personal cases. Calnan JS.
Br J Plast Surg 24:263-71, Jul 71
The restrictive pharyngeal flap. Weber J Jr, et al.
Br J Plast Surg 23:347-51, Oct 70
Prevalence of perceived acoustic deviations related to laryngeal function among subjects with palatal anomalies. Marks CR, et al.
Cleft Palate J 8:201-11, Apr 71
Nasality and cleft uvula. Starr CD, et al.
Cleft Palate J 8:189-95, Apr 71
An attempt to explain the caused of cluttering with the LLMM theory. Arnold GE.
Folia Phoniatr (Basel) 22:247-60, 1970
Observations on tachylalia. Freund H.
Folia Phoniatr (Basel) 22:280-8, 1970
Perceptual factors in articulatory defects. Haggard MP, et al. Folia Phoniatr (Basel) 23:33-40, 1971
Lingual positions of cleft palate patients with and without velopharyngeal closure. Massengill R Jr, et al.
Folia Phoniatr (Basel) 22:185-90, 1970
Vrious aspects of cluttering. Mussafia M.
Folia Phoniatr (Basel) 22:337-46, 1970
Tachyphemia. A clinical contribution. Perelló J.
Folia Phoniatr (Basel) 22:381-2, 1970
Prediction of short-term verbal memory disturbance after ventrolateral thalamotomy. Ojemann GA, et al.
J Neurosurg 35:203-10, Aug 71
Hyponasality associated with patulous eustachian tubes: report of a case. Batza EM, et al.
J Speech Hear Disord 36:410-3, Aug 71
The use of a bilateral speech appliance in conjunction with a pharyngeal flap: two case reports. Quinn GW, et al. J Speech Hear Disord 36:422-4, Aug 71
Dysphonias associated with spinal bracing in scoliosis. Skelly M, et al. J Speech Hear Disord 36:368-76, Aug 71
Auditory perception of sequenced words in apraxia of speech. Aten JL, et al.
J Speech Hear Res 14:131-43, Mar 71
Parkinson's disease: speech disorder and released infantile oroneuromotor activity. Morrison EB, et al.
J Speech Hear Res 13:655-66, Sep 70
Upper cervical spine anomalies and osseous nasopharyngeal depth. Osborne GS, et al.
J Speech Hear Res 14:14-22, Mar 71
Speech disorders in childhood. 2. Slow speech development. Ingram TT.
Nurs Times 67:205-9, 18 Feb 71
Selective hearing loss: clues to early identification. Holm VA, et al. Pediatrics 47:447-51, Feb 71
The mechanics of nasal escape. Battle RJ.
Proc R Soc Med 64:67-70, Jan 71
[Ratio of the organic and the functional factors in the etiology of dyslalia of dental origin] Vajshajtlová M.
Cesk Stomatol 70:360-4, Nov 70 (Cze)
[Some aspects of endocrine dysphonia] Gelder L van.
Ned Tijdschr Geneeskd 115:1337-43, 7 Aug 71 (38 ref.) (Dut)
[Influence of time selection for palate refection on phonation development] Longacre JJ, et al.
Ann Chir Plast 13:249-51, Dec 68 (Fre)
[Scientific report from the 27th congress: speech disorders in peripheral neurologic disorders] Calvet J, et al. J Fr Otorhinolaryngol 19:539-53, Sep 70 (Fre)
[Articulation disorders and dentoalveolar dysmorphism. Round-table discussion]
J Fr Otorhinolaryngol 20:753-74, 20 Jun 71 (Fre)
[Articulatory disorders due to velum insufficiency. An unhappy consequence of adenoidectomy] Dugas M.
Presse Med 79:807-9, 10 Apr 71 (Fre)
[Orthophonics and dento-facial orthopedics] Baume.
Rev Laryngol Otol Rhinol (Bord) 90:470-1, Jul-Aug 69 (Fre)
[Statistical analysis of systematic combined examinations by the stomatologist and the speech therapist] Baume L, et al.
Rev Laryngol Otol Rhinol (Bord) 91:692-5, Sep-Oct 70 (Fre)
[Phonetic disorders related to malformations of the mouth and teeth] Borel-Maisonny S.
Rev Laryngol Otol Rhinol (Bord) 91:678-87, Sep-Oct 70 (Fre)
[Toleration of orthodontic plates (in orthophonic and school environment)] Dubois G.
Rev Laryngol Otol Rhinol (Bord) 91:703-6, Sep-Oct 70 (Fre)
[Reflexions on articulation problems caused by orthodontic plates] Saley AM.
Rev Laryngol Otol Rhinol (Bord) 91:700-1, Sep-Oct 70 (Fre)
[Atrophy of the globus pallidus, substancia nigra, and nucleus subthalamicus. Akinetic syndrome with pallialia, oppositional rigidity and catatonia] Contamin F, et al.
Rev Neurol (Paris) 124:107-20, Feb 71 (Fre)
[Ocular myopathy with delayed complications in the form of an involvement of deglutition and phonation muscles and of the root of the 4 limbs] Warter JM, et al. Rev Otoneuroophtalmol 41:315-23, Sep-Oct 69 (Fre)
[Functional diseases of the speaking voice] Arndt HJ.
HNO 17:46-50, Feb 69 (Ger)
[Comments on the paper: "Speech disorders after intubation", by W. Pfau; printed in HNO(Berl.)17,45(1969)] Sprenger F.
HNO 17:215, Jul 69 (Ger)
[Submucous cleft palate as a cause of rhinolalia aperta after tonsillectomy] Opperbeck J.
Int Z Vitaminforsch 40:805-8, 1970 (Ger)
[The child with contact and communication disorders due to family conflict as demonstrated with scenotest] Wochnik M.
Paediatr Grenzgeb 9:229-50, 1970 (Ger)
[Submucous cleft palate as a cause of rhinolalia aperta after tonsillectomy] Opperbeck J.
Z Laryngol Rhinol Otol 49:805-8, Dec 70 (Ger)
[Audiologic examination and care of patients with hyperkinesis following perinatal cerebral damage] Pálfalvi L. Orv Hetil 111:2948-52, 13 Dec 70 (Hun)
[Etiopathogenesis and treatment of organic dyslalias and rhinolalias] De Filippis A.
Arch Ital Otol 80:593-7, Nov-Dec 69 (Ita)
[Speech and cerebral organization] Gainotti G, et al.
Riv Neurobiol 16:153-67, Apr-Jun 70 (Ita)
[Facio-bucco-lingual apraxia. Case findings] Pompili A, et al. Riv Neurol 39:459-71, Sep-Oct 69 (Ita)
[Speech disturbances in Parkinsonian syndromes after stereotaxic operations] Pilipowska T, et al.
Neurol Neurochir Pol 5:37-41, 1971 (Pol)
[Aphasia or psychotic speech (discussion of a case)] Bulandra R, et al.
Neurol Psihiatr Neurochir 15:553-8, Nov-Dec 70 (Rum)
[Electromyographic semiology of the velo-palatine, pharyngeal and laryngeal muscles] Asgian B, et al.
Stud Cercet Neurol 15:369-83, 1970 (Rum)
[Psychomotor epilepsies and phoniatry] Tormakh EE.
Prensa Med Argent 57:1746-9, 13 Nov 70 (Spa)

FAMILIAL & GENETIC

Cluttering. Bradford D.
Folia Phoniatr (Basel) 22:272-9, 1970
Inheritance of speech defects. Luchsinger R.
Folia Phoniatr (Basel) 22:216-30, 1970

HISTORY

The classic reprint. The palate suture. A newly discovered method to correct congenital speech defects. Dr. Carl Ferdinand von Graefe, Berlin. (Graefe CF von), May H.
Plast Reconstr Surg 47:488-92, May 71

OCCURRENCE

Investigations on incidence and symptomatology of cluttering. Becker KP, et al.
Folia Phoniatr (Basel) 22:261-71, 1970
The incidence of persistent rhinolalia following cleft palate repair. Analysis of 439 patients. McEvitt WG.
Plast Reconstr Surg 47:258-61, Mar 71

PHYSIOPATHOLOGY

Relations between motorics of speech and general motor ability in clutterers. Seeman M.
Folia Phoniatr (Basel) 22:376-80, 1970
[Acoustic study of recurrent paralysis] Cornut G, et al.
J Fr Otorhinolaryngol 19:555-9, Sep 70 (Fre)
[Dichotic and monaural discrimination capabilities of children with speech disorders] Nagafuchi M.
J Otolaryngol Jap 73:1920-9, Dec 70 (Jap)

PREVENTION & CONTROL

National Association of Hearing and Speech Agencies.
Clin Pediatr (Phila) 10:295, May 71

REHABILITATION

Internation activities of the social and rehabilitation service relating to the field of speech and hearing. McCavitt ME. ASHA 13:388-90, Jul 71
[Functional retraining in rhinology] Huyghebaert J, et al. Acta Otorhinolaryngol Belg 23:456-66, 1969 (Fre)
[The polity of national funds in the social reclassification of the handicapped with reference to the functional recovery of the hearing and speech handicapped] Maron A.
Acta Otorhinolaryngol Belg 23:451-5, 1969 (Fre)
[Restatement concerning lisping from the point of view of rehabilitation and stomatology] Girolami-Boulinier A.
Rev Laryngol Otol Rhinol (Bord) 91:707-10, Sep-Oct 70 (Fre)
[Speech therapy and orthodontics] Cadenat H, et al.
Rev Laryngol Otol Rhinol (Bord) 91:695-8, Sep-Oct 70 (Mul)

SURGERY

Speech status of post-adolescents following bone flap palatal surgery. Wynn SK, et al.
Cleft Palate J 8:196-200, Apr 71
Conversion of an inferiorly-based pharyngeal flap to a superiorly-based position. McEvitt WG.
Plast Reconstr Surg 48:36-9, Jul 71
Evaluation of the pharyngeal flap operation at the Rhode Island hospital. Yates JA.
RI Med J 53:424-8 passim, Aug 70
[Glossectomy and phonation] Deplagne H.
Rev Laryngol Otol Rhinol (Bord) 91:710-2, Sep-Oct 70 (Fre)

THERAPY

The use of a palatal stimulator to decrease velopharyngeal gap. Massengill R Jr, et al.
Ann Otol Rhinol Laryngol 80:135-7, Feb 71
Speech pathology and audiology in Israel. Bergman M, et al. ASHA 13:9-12, Jan 71
An analysis of motivational techniques used in speech therapy. Mowrer DE. ASHA 12:491-3, Oct 70
The possible role and position of speech pathology and audiology in regard to language, learning disabilities, and the hearing impaired. O'Neill JJ.
ASHA 13:51-2, Feb 71
Deceleration of inappropriate vocal behavior in a hard-of-hearing child. Galloway K, et al.
ASHA Monogr 14:67-9, Jan 70
Reinforcement procedures and the increase of functional speech by a brain-injured child. Hall RV.
ASHA Monogr 14:48-59, Jan 70
Reinforcement procedures for establishing and maintaining echoic speech by a nonverbal child. McReynolds LV. ASHA Monogr 14:60-6, Jan 70
Treatment of non fluent speech resulting from

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

neurological disease--treatment of dysarthria. Allan CM. Br J Disord Commun 5:3-5, Apr 70
Interact and communicate. The fifth Jansson Memorial Lecture of the College of Speech Therapists 15th May, 1970. Davis DR. Br J Disord Commun 6:3-12, Apr 71
The treatment of non-fluent utterance a behavioural approach. Wohl MT.
Br J Disord Commun 5:66-76, Apr 70
Articulatory changes in the therapeutic process. Van Demark DR. Cleft Palate J 8:159-66, Apr 71
Effects of a palatal lift prosthesis upon the speech intelligibility of a dysarthric patient. Marshall RC, et al. J Prosthet Dent 25:327-33, Mar 71
A speech aid for velopharyngeal incompetency. Lubit EC, et al. J Speech Hear Disord 36:61-70, Feb 71
A distinctive feature analysis of children's misarticulations. McReynolds LV, et al.
J Speech Hear Disord 36:155-66, May 71
A study of the effectiveness of the S-pack program in the elimination of frontal lisping behavior in third-grade children. Ryan BP.
J Speech Hear Disord 36:390-6, Aug 71
An automated therapy program for articulatory correction. Leonard LB, et al.
J Speech Hear Res 14:338-44, Jun 71
Unique chincap therapy. Lubit EC.
NY State Dent J 37:156-8, Mar 71
Use of paired stimuli in modification of articulation. Weston AJ, et al. Percept Mot Skills 32:947-57, Jun 71
Discovering how mime can help. Levett LM.
Spec Educ 60:17-9, Mar 71
[Speech defects and health visiting] Norrelund N, et al.
Ugeskr Laeger 133:773-6, 23 Apr 71 (Dan)
[Procedures for measuring the results of treatment of the voice, speech and language disorders] Lafon JC, et al.
Folia Phoniatr (Basel) 23:81-154, 1971 (43 ref.) (Fre)
[Speaking and language backwardness. Trial of therapy by the mother (picture reading method)] Le Huche F, et al. J Fr Otorhinolaryngol 19:591-4, Sep 70 (Fre)
[Practical knowledge and care of hearing and speech handicapped children. Situation report, shortcomings and proposals for improval] Biesalski P.
HNO 17:248-50, Aug 69 (Ger)
[Treatment of hyperkinetic dysphonias] Kollár A.
HNO 18:278-9, Sep 70 (Ger)
[Treatment of spastic dysphonia] Schlosshauer B.
HNO 17:12-4, Jan 69 (Ger)
[Need for sigmatism therapy] Frank F.
Monatsschr Ohrenheilkd Laryngorhinol 105:43-7, 1971 (Ger)
[Therapy of speech disorders in the evolutive age] Bickel J. Riv Neurobiol 16:139-52, Apr-Jun 70 (Ita)
[Phoniatric diagnosis and rehabilitation] Fritzell B.
Nord Med 85:510-1, 22 Apr 71 (Swe)

SPEECH, ESOPHAGEAL see under VOICE

PRODUCTION, ALARYNGEAL (E2)

SPEECH THERAPY (G2)

see also related
VOICE TRAINING (I)

Evaluating language improvement after completed stroke. Sarno JE, et al.
Arch Phys Med Rehabil 52:73-8, Feb 71
A survey of state certification requirements for public school speech clinicians. Causey LM, et al.
ASHA 13:123-9, Mar 71
Involvement: today's challenge to ASHA. Presidential address--1970 National Convention. Kleffner F.
ASHA 13:359-62, Jun 71
Personal and professional responsibilities related to current social problems. Matthews J.
ASHA 13:331-3, Jun 71
An analysis of motivational techniques used in speech therapy. Mowrer DE. ASHA 12:491-3, Oct 70
Evaluation of a university speech and hearing program through PERT. Panagos JM, et al.
ASHA 13:207-12, Apr 71
Recent developments in sociolinguistics: some implications for ASHA. Taylor OL.
ASHA 13:341-5, Jun 71
The use of a tape recorder in clinical practice. Weston A, et al. ASHA 12:551-2, Nov 70
An introduction to the functional analysis of speech and language. Girardeau FL, et al.
ASHA Monogr 14:1-9, Jan 70
Extending stimulus control of phoneme articulation by operant techniques. McLean JE.
ASHA Monogr 14:24-47, Jan 70
The implications of a functional approach to speech and hearing research and therapy. Spradlin JE, et al.
ASHA Monogr 14:70-8, Jan 70
Interact and communicate. The fifth Jansson Memorial Lecture of the College of Speech Therapists 15th May, 1970. Davis DR. Br J Disord Commun 6:3-12, Apr 71
Intensive treatment and group therapy programme for the child and adult stammerer. Fawcus M.
Br J Disord Commun 5:59-65, Apr 70
Speech therapy management following laryngectomy. Gordon MT. Br J Disord Commun 6:52-7, Apr 71
A comparative study of methods for teaching post-laryngectomy speech. Simmons MF, et al.
Br J Disord Commun 6:58-62, Apr 71
The use of DAF in stuttering therapy. Van Riper C.
Br J Disord Commun 5:40-5, Apr 70
Training voluntary pharyngeal wall movements in children with normal and inadequate velopharyngeal closure. Tash EL, et al. Cleft Palate J 8:277-90, Jul 71
Clinical research methodology in evaluating the therapeutic process. Van Demark DR.
Cleft Palate J 8:26-35, Jan 71
Articulatory changes in the therapeutic process. Van Demark DR. Cleft Palate J 8:159-66, Apr 71
Speech clinicians and aphasia therapy: a survey. Fisher S. Conn Med 35:460, Jul 71
Effects of masking noise on the verbal performance of adult aphasics. Wertz RT, et al.
Cortex 6:399-409, Dec 70
Who guides the therapist? MacKeith R.
Dev Med Child Neurol 13:125-6, Feb 71
Who guides the therapist? Renfrew C.
Dev Med Child Neurol 12:822-4, Dec 70
The current world status of logopedics and phoniatrics. Segre R. Folia Phoniatr (Basel) 23:155-97, 1971
A therapeutic approach to speech phobia: elective mutism reexamined. Halpern WI, et al.
J Am Acad Child Psychiatry 10:94-107, Jan 71
Vocal rehabilitation following total laryngectomy. Warner J. J Laryngol Otol 85:577-82, Jun 71
Speech therapy for the laryngectomy patient. Struthers C. J R Coll Gen Pract 20:248-50, Oct 70
Guidelines for choosing appropriate phonetic contexts for speech-sound recognition and production practice. Fleming KJ.
J Speech Hear Disord 36:356-67, Aug 71
A foster home approach to speech therapy. Hatten JT, et al. J Speech Hear Disord 36:257-63, May 71
Interclinician agreement. Knox JA, et al.
J Speech Hear Disord 36:292, May 71
Developmental sentence scoring: a clinical procedure for estimating syntactic development in children's spontaneous speech. Lee LL, et al.
J Speech Hear Disord 36:315-40, Aug 71
A distinctive feature analysis of children's misarticulations. McReynolds LV, et al.
J Speech Hear Disord 36:155-66, May 71
The importance of seeing red: self-teaching techniques for adult aphasia. Montgomery J.
J Speech Hear Disord 36:250-1, May 71
Operant procedures applied to stuttering therapy for children. Ryan BP.
J Speech Hear Disord 36:264-80, May 71
A study of the effectiveness of the S-pack program in the elimination of frontal lisping behavior in third-grade children. Ryan BP.
J Speech Hear Disord 36:390-6, Aug 71
The use of real-time visual displays of speech in the training of a profoundly deaf, nonspeaking child: a case report. Stark RE.
J Speech Hear Disord 36:397-409, Aug 71
Speech clinicians' conceptions of boys and men who stutter. Woods CL, et al.
J Speech Hear Disord 36:225-34, May 71
Prediction of articulation improvement with therapy from early lesson sound production task scores. Arndt WB, et al. J Speech Hear Res 14:149-53, Mar 71
Frequency transposition in the teaching of speech to deaf children. Ling D, et al.
J Speech Hear Res 14:37-46, Mar 71
Comment on "stuttering and its disappearance". Reed R. J Speech Hear Res 14:444, Jun 71
Speech therapy and language recovery in severe aphasia. Sarno MT, et al.
J Speech Hear Res 13:607-23, Sep 70
Therapy as seen by stutterers. Sheehan JG, et al.
J Speech Hear Res 14:445-6, Jun 71
Singing with a paralysed cord. Aherne G.
Lancet 2:1313, 19 Dec 70
Some uses of video-tape recording in language rehabilitation after brain damage. Hatfield FM.
Med Biol Illus 21:166-71, Jul 71
Volume feedback and generalization techniques in shaping speech of an electively mute boy: a case study. Norman A, et al.
Percept Mot Skills 31:463-70, Oct 70
A rationale for the use of the hearing-aid metronome in a program of therapy for stuttering. Silverman FH.
Percept Mot Skills 32:34, Feb 71
Use of paired stimuli in modification of articulation. Weston AJ, et al. Percept Mot Skills 32:947-57, Jun 71
Evaluation of the pharyngeal flap operation at the Rhode Island hospital. Yates JA.
RI Med J 53:424-8 passim, Aug 70
Nasal speech: some points in diagnosis and treatment. Hansen DA. S Afr Med J 44:1389-90, 12 Dec 70
Discovering how mime can help. Levett LM.
Spec Educ 60:17-9, Mar 71
[Therapeutic possibilities for stuttering children] Bastijns P.
Acta Otorhinolaryngol Belg 23:679-82, 1969 (Dut)
[Functional retraining in rhinology] Huyghebaert J, et al. Acta Otorhinolaryngol Belg 23:456-66, 1969 (Fre)
[Procedures for measuring the results of treatment of the voice, speech and language disorders] Lafon JC, et al.
Folia Phoniatr (Basel) 23:81-154, 1971 (43 ref.) (Fre)
[Articulation disorders and dentoalveolar dysmorphism. Round-table discussion]
J Fr Otorhinolaryngol 20:753-74, 20 Jun 71 (Fre)
[Action of speech psychorhythmics in a group of children] Domain M.
Rev Laryngol Otol Rhinol (Bord) 90:239-49, Mar-Apr 69 (Fre)
[Deafness appearing after the acquisition of the use of speech. Problems of rehabilitation] Filippis A de.
Rev Laryngol Otol Rhinol (Bord) 91:627-31, Sep-Oct 70 (Fre)
[Psychologic inhibitions observed during vocal re-education] Le Huche F.
Rev Laryngol Otol Rhinol (Bord) 90:195-201, Mar-Apr 69 (Fre)
[The importance of the right hemisphere for the restitution of aphasic speech defects] Sollberg G.
Folia Phoniatr (Basel) 22:143-53, 1970 (Ger)
[Memorandum of the study group of German-speaking speech therapists] Schlorhaufer W.
Munch Med Wochenschr 112:444-6, 6 Mar 70 (Ger)
[Speech therapy in the service of rehabilitation] Delavier C. Ther Umsch 28:74-9, Feb 71 (Ger)
[Etiopathogenesis and treatment of organic dysalias and rhinolalias] De Filippis A.
Arch Ital Otol 80:593-7, Nov-Dec 69 (Ita)
[Therapy of speech disorders in the evolutive age] Bickel J. Riv Neurobiol 16:139-52, Apr-Jun 70 (Ita)
[Space, time and rhythm in the correction of speech disorders with audiovisual methods] Gilliberti Tincolini V, et al.
Riv Neurobiol 16:221-4, Apr-Jun 70 (Ita)
[Coordination of the sciences of orthophonics and orthodontics for good results] Beuttenmüller MD.
Rev Bras Odontol 28:113-4, May-Jun 71 (Por)
[Phoniatric diagnosis and rehabilitation] Fritzell B.
Nord Med 85:510-1, 22 Apr 71 (Swe)

EDUCATION

Operationally written therapy goals in supervised clinical practicum. Andrews JR. ASHA 13:385-7, Jul 71
Speech pathology and audiology in Israel. Bergman M, et al. ASHA 13:9-12, Jan 71
Clinical training in stuttering therapy: a survey. Leith WR. ASHA 13:6-8, Jan 71
A pilot graduate seminar concerning speech and hearing problems of the chronically ill and the aged. Leutenegger RR, et al. ASHA 13:61-6, Feb 71
The dental specialist in research: a training institute in the speech sciences. Noll JD, et al.
ASHA 13:12-3, Jan 71
Pros and cons of departmentalization--a survey of college and university speech pathology and audiology programs. ASHA 12:557-9, Nov 70
The use of video-tape recording (VTR) in university speech pathology and audiology training centers. ASHA 12:555-6, Nov 70
Speech therapy in the British Isles--license to practice. Greene MC. Br J Disord Commun 5:180-5, Oct 70
The training of speech therapists. De Montfort M.
J Ir Med Assoc 64:200-3, 8 Apr 71

INSTRUMENTATION

A new device for the treatment of stammering. Donovan GE. Br J Disord Commun 6:86-8, Apr 71
The use of the portable voice masker in stuttering therapy. Gruber L.
J Speech Hear Disord 36:287-9, May 71
A speech aid for velopharyngeal incompetency. Lubit EC, et al. J Speech Hear Disord 36:61-70, Feb 71
An automated therapy program for articulatory correction. Leonard LB, et al.
J Speech Hear Res 14:338-44, Jun 71
[Some physical characteristics of Suvag I] Forrez G.
Acta Otorhinolaryngol Belg 23:481-9, 1969 (Fre)
[Speech and temporospatial disorders: an experiment with the Language Master] Bonistalli E, et al.
Riv Neurobiol 16:225-8, Apr-Jun 70 (Ita)
[On an instrument for the treatment of stuttering] Mori G. Rev Neuropsiquiatr 33:301-4, Dec 70 (Spa)

MANPOWER

No small thing. Williams R. ASHA 13:346-9, Jun 71

SPERMATIC CORD (A5)

Spermatic cord tumors: a case report. Krawitt DR, et al.
Mt Sinai J Med NY 37:603-6, Sep-Oct 70
[Dermoid cyst of the spermatic cord] Diemer KF.
Z Urol Nephrol 63:811-3, Nov 70 (Ger)
[Tumors of the spermatic cord. Causistical contribution] Fossati G, et al.
Cancro 21:412-29, 1968 (Ita)
[Diphyllobothrial funiculitis: report of a case] Ito M, et al. Acta Urol Jap 17:416-9, Jun 71 (Jap)

BLOOD SUPPLY

The peculiar vasculature of the external spermatic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

fascia in the rat; possible subserving thermoregulation. Grant RT, et al. J Anat 109:293-305, Jul 71
[Ligation of the spermatic vein in patients with subfertility due to varicocele] Nöske HD, et al. Munch Med Wochenschr 112:1682-6, 18 Sep 70 (Ger)
[Treatment of varicose veins of the spermatic cord according to V.V. Iakovenko's method] Chizh PM. Voen Med Zh 9:82-3, Sep 70 (Rus)

MICROBIOLOGY

[Bovine actinobacillosis of the spermatic cord] Rossbach HD, et al. Berl Munch Tierarztl Wochenschr 83:394-6, 15 Oct 70 (Ger)

SURGERY

Resection of the spermatic cord in inguinal hernia repair. Harrison JH. Am J Surg 121:631-3, Jun 71
Age and the testis after resection of the spermatic cord in the repair of inguinal hernia. Heifetz CJ. Am J Surg 121:634-6, Jun 71
Resection of the spermatic cord in selected inguinal hernias. Twenty years of experience. Heifetz CJ. Arch Surg 102:36-9, Jan 71
Follow-up study of inguinal hernia in adults repaired by dividing the spermatic cord in the inguinal canal. Shah NC. J Indian Med Assoc 55:161-2, 1 Sep 70
[High ligation of varicocele of the spermatic cord--surgical method and results] Negishi T. Shujutsu 24:1235-40, Oct 70 (Jap)

SPERMATIC CORD TORSION (C6)

Torsion of the testis. Sparks JP. Ann R Coll Surg Engl 49:77-91, Aug 71
Acute scrotum in children with emphasis on torsion of spermatic cord. Moharib NH, et al. J Urol 104:601-3, Oct 70
Torsion of the spermatic cord: a review of the literature and an analysis of 70 new cases. Skoglund RW, et al. J Urol 104:604-7, Oct 70
[Clinical picture of the testicular torsion. II. Therapy, results, case reports] Braun E, et al. Dtsch Gesundheitsw 25:1802-5, 17 Sep 70 (Ger)
[Testicular torsion] Esch W. Z Urol Nephrol 64:191-3, Mar 71 (Ger)
[A rare case of bilateral torsion of the appendix testis] Sommo G, et al. Pathologica 59:429-32, Nov-Dec 67 (Ita)
[A case of torsion of the spermatic cord] Fujieda J, et al. Acta Urol Jap 16:745-9, Dec 70 (Jap)
[Torsion of the testicle and its appendages in children] Pulatov AT, et al. Vestn Khir 105:81-3, Oct 70 (Rus)

COMPLICATIONS

Torsion of the testicle. Notley RG. Br Med J 1:728, 27 Mar 71
Torsion of an intra-abdominal testis. A case report. Kaushik SP. Indian J Med Sci 24:515-6, Aug 70
[Acute orchitis syndrome in childhood] Radrigan W, et al. Rev Chil Pediatr 41:547-50, Jul 70 (Spa)

CONGENITAL

[Infarction and torsion of the testicle in the newborn] Bret AJ. Rev Fr Gynecol Obstet 63:83-90, Mar 68 (Fre)

DIAGNOSIS

[Clinical picture of testicular torsion, I. Historical background, definition, symptoms, diagnostical problems] Braun E, et al. Dtsch Gesundheitsw 25:1650-4, 27 Aug 70 (Ger)
[Testicular torsion. A frequently unrecognized disease] Baur HH. Dtsch Med Wochenschr 95:2600-4 passim, 25 Dec 70 (Ger)
[Testicular torsion. Experiences on the basis of 140 cases] Stauffer UG. Ther Umsch 27:443-8, Jul 70 (Ger)

ETIOLOGY

[Torsion of the testicle in infants with cryptorchism] Prisiuda AIa, et al. Klin Khir 9:75-6, Sep 70 (Rus)

FAMILIAL & GENETIC

Torsion of the hydatid of Morgagni in two brothers. Leslie D. Med J Aust 2:1195-6, 19 Dec 70

OCCURRENCE

[Testicular torsion] Flach A. Dtsch Med Wochenschr 96:307-8, 12 Feb 71 (Ger)

SURGERY

Torsion of the spermatic cord--a true emergency. Fitzpatrick RJ, et al. Med Trial Tech Q 17:326-31, Mar 71
Torsion of the testis. A plea to general practitioners. Sparks JP. Practitioner 205:191-4, Aug 70
[Scrotal edema] Ott R. Ther Umsch 27:327-30, May 70 (Fre)

SPERMATOCELE (C6)

PATHOLOGY

Atypical cells in spermatocele fluid. Wentworth P, et al. Acta Cytol (Baltimore) 15:210-1, May-Jun 71

SURGERY

A bloodless operation for spermatocoele or cyst of the epididymis. Lord PH. Br J Surg 57:641-4, Sep 70

SPERMATOZOA (A11)

The etiology of the cocci type "streptokokkentyp" vaginal smear. Leppäluoto PA. Acta Cytol (Baltimore) 15:211-5, May-Jun 71
The effect of copper and other metals on spermatogenesis in rats. Zbuzkova V, et al. Acta Endocrinol (Kbh) 66:379-84, Feb 71
A modified technique used for the clinical evaluation of testicular size in the bull. Osman AM. Acta Vet Acad Sci Hung 20:149-54, 1970
Fertility of deep frozen boar spermatozoa. Crabo B, et al. Acta Vet Scand 12:125-7, 1971
Fertility of ram spermatozoa following pellet freezing on dry ice at -79 and -140 degrees C. Salamon S. Aust J Biol Sci 24:183-5, Feb 71
Effects of phosphodiesterase inhibitors and cyclic nucleotides on sperm respiration and motility. Garbers DL, et al. Biochemistry 10:1825-31, 11 May 71
An abnormality of the spermatozoa of a stallion (Equus caballus). Chenoweth PJ, et al. Br Vet J 126:476-81, Sep 70
Acrosomal abnormality in ram spermatozoa due to heat stress. Rathore AK. Br Vet J 126:440-3, Aug 70
Studies on spermatogenesis in rats. 3. Effects of hormonal treatment on differentiation kinetics of the spermatogenic cycle in regressed hypophysectomized rats. Go VL, et al. Can J Biochem 49:768-75, Jul 71
A molecular approach to fertilization. II. Viability and artificial fertilization of Xenopus laevis gametes. Wolf DP, et al. Dev Biol 25:348-59, Jul 71
A molecular approach to fertilization. 3. Development of a bioassay for sperm capacitation. Wolf DP, et al. Dev Biol 25:360-76, Jul 71
Spermatogenetic activity after early postnatal hypothalamic lesion in rats. Daikoku S, et al. Endocrinol Jap 17:551-66, Dec 70
Hormonal control of lysosomal enzymes during spermatogenesis in the rat. Males JL, et al. Endocrinology 88:578-88, Mar 71
The ability of HCG in the induction of spermination in toads devoid of an endogenous souce of gonadotropin. Chatterjee A, et al. Endokrinologie 58:119-20, 1971
Changes in deoxyribonucleoprotein during spermiogenesis in the bull. Sensitivity of DNA to heat denaturation. Ringertz NR, et al. Exp Cell Res 62:204-18, Sep 70
Scrotal and testicular temperature: its relation to sperm count before and after operation for varicocele. Agger P. Fertil Steril 22:286-97, May 71
The use of spermatogenic activity test for evaluation of therapy in young unfertile adults. Czerniak P, et al. Fertil Steril 21:830-7, Dec 70
Supravital staining of human spermatozoa. Eliasson R, et al. Fertil Steril 22:134-7, Feb 71
Clomiphene therapy in defective spermatogenesis. Paiti Z. Fertil Steril 21:838-43, Dec 70
Human sperm fine structure in a case of severe asthenospermia-necrospermia. Pedersen H, et al. Fertil Steril 22:156-64, Mar 71
Selection for the length of the spermatozoan midpiece in the mouse. Woolley DM. Genet Res 16:261-75, Dec 70
Progeny: sperm ratios and segregation-distorter in Drosophila melanogaster. Zimmering S, et al. Genetica 41:61-4, 1970
Sperm competition and sperm loss in Drosophila melanogaster females fertilized by YXY-O males. Olivieri G, et al. Genetics 64:323-35, Feb 70
Sex-related phenotypical variation in the population of mammalian spermatozoa. Bhattacharya BC, et al. Indian J Exp Biol 8:71-4, Apr 70
Studies on mating. II. The effect of ethanol on sperm transport and ovulation in successfully mated rabbits. Sharma SC, et al. Indian J Med Res 58:501-4, Apr 70
Infertility in a bull-effect of vitamin A therapy on the semen picture. Choudhury RR, et al. Indian Vet J 48:101-4, Jan 71
Phagocytosis of spermatozoa in the uterine cavity of woman using intrauterine device. Sağiroğlu N. Int J Fertil 16:1-14, Jan-Mar 71
Immunologically induced aspermatogenesis in the white mouse. II. Malkiel S, et al. J Allergy 46:321-5, Dec 70
New observations on flagellar fine structure. The relationship between matrix structure and the microtubule component of the axoneme. Warner FD. J Cell Biol 47:159-82, Oct 70
Monotropic increase of serum FSH correlated with low sperm count in young men with idiopathic oligospermia and aspermia. Rosen SW, et al. J Clin Endocrinol Metab 32:410-6, Mar 71
Effect of sexual rest and frequency of ejaculation on sperm acrosomal morphology. Wells ME, et al. J Dairy Sci 54:526-30, Apr 71
Hop-sterile, a mutant gene affecting sperm tail development in the mouse. Johnson DR, et al. J Embryol Exp Morphol 25:223-36, Apr 71
Effects of gonadectomy and testosterone replacement on the viability of epididymal spermatozoa in the golden hamster (Mesocricetus auratus). Lubicz-Nawrocki C, et al. J Endocrinol 48:22-3, Sep 70
Sperm lytic activity and its relation to fertilization in the frog Rana pipiens. Elinson EP. J Exp Zool 177:207-17, Jun 71
Immunofluorescence and electron microscopy of acrosomes of bull spermatozoa. O'Donnell JM, et al. J Physiol (Lond) 210:120P+, Sep 70
The ultrastructure of abnormal spermatozoa in a stud dog. Aughey E, et al. J Reprod Fertil 25:303-4, May 71
Epididymal physiology. II. Immunofluorescent analyses of epithelial secretion and absorption, and of bovine sperm maturation. Barker LD, et al. J Reprod Fertil 26:319-32, Sep 71
A study of four cases with Klinefelter's syndrome, showing motile spermatozoa in their ejaculates. Foss GL, et al. J Reprod Fertil 25:401-8, Jun 71
A technique for the collection by fistula of epididymal spermatozoa from the rat. Gilmore DP, et al. J Reprod Fertil 25:137-40, Apr 71
Changes in deoxyribonucleoprotein during spermiogenesis in the bull: increased (3H)actinomycin D binding to nuclear chromatin of morphologically abnormal spermatozoa. Gledhill BL, et al. J Reprod Fertil 26:25-38, Jul 71
Gonadal and extragonadal sperm reserves of indigenous Central African bulls. Igboeli G, et al. J Reprod Fertil 25:107-9, Apr 71
Further observations on the Dag-defect of the tail of the bull spermatozoon. Koefoed-Johnsen HH, et al. J Reprod Fertil 26:77-83, Jul 71
Effects of site of insemination, sperm motility and contractions of the genital tract on the transport of spermatozoa in the ewe. Lightfoot RJ, et al. J Reprod Fertil 24:151-2, Jan 71
An adverse effect of the ventral prostate secretion on hamster epididymal spermatozoa. Morita Z, et al. J Reprod Fertil 24:255-60, Feb 71
The melanizing activity of the semen of buffalo bulls and its relation to the proportion of liver spermatozoa. Pant KP, et al. J Reprod Fertil 25:103-5, Apr 71
The relationship between numbers of spermatozoa inseminated and fertilization rate of ova in ewes treated with fluoro-progestagen intravaginal sponges in summer and autumn. Quinlivan TD. J Reprod Fertil 23:87-102, Oct 70
Observations on the survival of washed boar spermatozoa in different media. White IG, et al. J Reprod Fertil 26:129-32, Jul 71
Microlymphocyte transformation studies with seminal antigen. II. Observations in male patients with sperm agglutinating antibodies. Gordon HL, et al. J Urol 105:863-6, Jun 71
Bacterial hitch-hikers. Howard TL. J Urol 106:94, Jul 71
Semen examinations after vasectomy. Temple JG, et al. Lancet 2:1258, 12 Dec 70
Mutagenesis and cell interactions--site of Y-chromosome function in Drosophila melanogaster. Williamson JH. Mutat Res 10:503-6, Nov 70
A quantitative study of spermatogenesis in androgen-treated hypophysectomized rats. Matsuyama S, et al. Natl Inst Anim Health Q (Tokyo) 11:46-52, Spring 71
Uterine changes during capacitaion in the golden hamster. Lakshman AB. Nature (Lond) 229:49-50, 1 Jan 71
Unusual membranous body in the spermatids of pig tail monkey. Sun CN. Naturwissenschaften 57:458-9, Sep 70
Hormonal control of mammalian spermatogenesis. Steinberger E. Physiol Rev 51:1-22, Jan 71 (139 ref.)
Motility and energy-rich phosphorus compounds in spermatozoa of Octopus dofleini martini. Brooks DE, et al. Proc R Soc Lond [Biol] 178:151-60, 29 Jun 71
Fertilization of rabbit ova in vitro by sperm with adsorbed Sendai virus. Ericsson RJ, et al. Science 173:54-5, 2 Jul 71
Porifera: sudden sperm release by tropical Demonspongiae. Reiswig HM. Science 170:538-9, 30 Oct 70
[Multiple meiotic and gametic abnormalities in a case of male sterility] Dutrillaux B, et al. Ann Genet (Paris) 14:49-52, Mar 71 (Fre)
[Contraception. Human male antigonad serum] Dop JB. Presse Med 79:1498, 3 Jul 71 (Fre)
[Biological studies in male sterility] Haour P. Rev Lyon Med 19:Suppl:31-3, 1970 (Fre)
[Differentiation and fertilization capacity of pathological spermatozoa] Leidl W, et al. Dtsch Tieraerztl Wochenschr 78:129-32 passim, 15 Feb 71 (Ger)
[Reaction of bull sperms to deep-freezing] Merkt H, et

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

al.
Dtsch Tieraerztl Wochenschr 78:127-9, 15 Feb 71 (Ger)
[Quantitative study of spermatogenesis in the bull, with special reference to methodology--3 bulls with asthenospermia accompanied by aspermia] Tiba T.
Jap J Vet Res 13:Suppl 2:1-127, Sep 65 (Ger)
[Form and function of human spermatozoa] Ott F.
Schweiz Med Wochenschr 100:1653-5, 26 Sep 70 (Ger)
[Sperm count following mumps orchitis] Viczián M.
Orv Hetil 112:323-4, 7 Feb 71 (Hun)
[Our experience with mesterolone therapy. Evaluation of 22 hormonal steroids constituting the gas chromatographic picture in the total neutral urinary fraction. The effectiveness of mesterolone in the therapy of oligoasthenospermias] Ros A.
Attual Ostet Ginecol 15:37-53, Jan-Feb 69 (Ita)
[Spermatogenesis in vitro in testicular tubules of Macaca] Rabino Massa E, et al.
Boll Soc Ital Biol Sper 46:873-6, 15 Nov 70 (Ita)
[Fluorochromization with acridine orange in the study of human spermatozoa] Floris F, et al.
Minerva Ginecol 21:1253-4, 30 Sep 69 (Ita)
[On the effect of preservative mixtures on the motility of human and Bos taurus nematospermia] Giordano G.
Minerva Ginecol 21:909-13, 31 Jul 69 (Ita)
[Experimental aspermatogenesis induced by autoimmunization. 3. Aspermatogenesis in the hamster treated with homologous testis and zymosan adjuvant] Vermiglio G, et al.
Riv Patol Clin Sper 10:233-49, Jul-Dec 69 (Ita)
[Chromosome studies of germ cells in male infertility] Takagi K.
Jap J Urol 62:78-88, Jan 71 (Jap)
[Dielectric properties of cell suspensions] Dushefko OI, et al.
Biofizika 16:254-9, Mar-Apr 71 (Rus)
[Hybridization of mammalian somatic cells and spermatozoa. Penetration and early morphological changes of stallion spermatozoa in Chinese hamster cells] Senin VM, et al.
Dokl Akad Nauk SSSR 197:698-700, 21 Mar 71 (Rus)
[Ultrastructure of the silkworm testis. I. Membrana basilaris and discharge of spermatozoa from the lobuli testis to the ductus efferens] Danilova LV, et al.
Tsitologiia 13:15-21, Jan 71 (Rus)
[Micromorphology of accessory sex glands in rams castrated by various methods] Petrosian SL.
Veterinariia 11:91-2, Nov 70 (Rus)
[Prolonged storage of stallion sperm] Platov EM, et al.
Veterinariia 10:109-11, Oct 70 (Rus)
[The influence of the pre-ejaculatory secretion on the quality of bovine sperm] Stoianov T, et al.
Veterinariia 1:117-8, Jan 71 (Rus)
[Changes in the spermatograms and testicular microstructure of bulls] Zagorski D, et al.
Veterinariia 1:115-7, Jan 71 (Rus)
[Study of cortisone and renin in spermatica interna and a refined sperm analysis in patients with varicocele] Thulin L, et al.
Nord Med 85:416, 1 Apr 71 (Swe)

ANALYSIS

Histochemistry of avian spermatogenesis. Guraya SS.
Acta Morphol Acad Sci Hung 18:139-46, 1970
The DNA content of sperm of Drosophila melanogaster. Rasch EM, et al.
Chromosoma 33:1-18, 1971
Seminal fluid and spermatozoon zinc levels and their relationship to human spermatozoon motility. Janick J, et al.
Fertil Steril 22:373-80, Sep 71
Observations on the content of ATP and ADP in bull spermatozoa using the firefly luciferase system. Brooks DE.
J Reprod Fertil 23:525-8, Dec 70
Nucleotides in spermatozoa. Brooks DE.
J Reprod Fertil 25:302-3, May 71
The proteins of bovine spermatozoa from the caput and cauda epididymidis. Lavon U, et al.
J Reprod Fertil 24:219-32, Feb 71
The lipid content of bovine spermatozoa during maturation and ageing. Lavon U, et al.
J Reprod Fertil 23:215-22, Nov 70
Comparative histochemical observations on the contributions of the acrosomal vesicle and granule to the acrosomal cap in the spermatozoa of mammals. Guraya SS.
Z Zellforsch Mikrosk Anat 114:321-50, 1971
[Modification of the arginine and cystine content of nucleoproteins of elongated spermatids of the ram (Ovis aries)] Loir M.
C R Acad Sci [D] (Paris) 271:1634-7, 2 Nov 70 (Fre)
[Demonstration of nuclear RNA in the mature spermatids of Acanthodactylus erythrurus lineomaculatus Dum. & Bibr. (Lacertidae)] Bons N.
Z Zellforsch Mikrosk Anat 118:249-53, 1971 (Fre)
[Nucleic acids and their distribution in human sperm] Zimmermann H, et al.
Dermatol Monatsschr 156:97-107, 1970 (Ger)
[Linear dichroitic studies of DNA organization in sperm heads of Locusta migratoria L] Zirwer D, et al.
J Cell Biol 45:431-4, May 70 (Ger)
[Determination of acid phosphomonesterase in human spermatozoa] Kipping D.
Klin Wochenschr 48:1127-8, 15 Sep 70 (Ger)
[Methodological remarks on a multiclinical project in andrology] Schirren JM.
Methods Inf Med 10:148-55, Jul 71 (Ger)
[Technic of performing the reaction to detect sperm using potato agglutinin and the expert evaluation of the results obtained] Tumanov AK, et al.
Sud Med Ekspert 13:51-3, Jul-Sep 70 (Rus)
[Specificity of histones from sperm of various species of sea urchin] Gineitis AA, et al.
Tsitologiia 12:1133-6, Sep 70 (Rus)

ANATOMY & HISTOLOGY

Precision measurements of dimensions, refractive index and mass of bull spermatozoa in the living state. Duijn C Jr van, et al.
Mikroskopie 27:142-67, Jul 71

CYTOLOGY

Histochemical observations on the spermatogenesis of Fasciola indica. Guraya SS, et al.
Acta Morphol Neerl Scand 8:9-17, Sep 70
Fine structural modifications of the rat chromatoid body during spermiogenesis. Susi FR, et al.
Am J Anat 129:177-91, Oct 70
The fine structure of the neck of mammalian spermatozoa. Zamboni L, et al.
Anat Rec 169:155-72, Feb 71
The fine structure of monkey and human spermatozoa. Zamboni L, et al.
Anat Rec 169:129-53, Feb 71
Fluorescent evidence for spermatocytes with two Y chromosomes in an XYY male. Hultén M, et al.
Ann Hum Genet 34:273-6, Feb 71
Scanning electron microscopy of mammalian gametes. Gould KG, et al.
Arch Gynaekol 210:235-50, 1971
Morphological changes in ram spermatozoa due to hot-room exposure for varying periods. Rathore AK.
Br Vet J 126:277-81, Jun 70
Centriole adjunct development in the cockroach, Eublaberus posticus. Lindsey JN, et al.
Can J Genet Cytol 12:841-50, Dec 70
A radiation analysis of a Comstockiella chromosome system: destruction of heterochromatic chromosomes during spermatogenesis in Pariatoria oleae (Coccoidea: Diaspididae). Kitchin RM.
Chromosoma 31:165-97, 1970
Nomarski interference contrast microscopy of human, monkey, and rabbit spermatozoa. El-Minawi MF, et al.
Fertil Steril 21:383-9, May 70
Ultrastructural changes in the human spermatozoon after freezing for artificial insemination. Pedersen H, et al.
Fertil Steril 22:125-33, Feb 71
Ultrastructural changes in the acrosome and sperm membranes during maturation of spermatozoa in the testis and epididymis of the rabbit and monkey. Bedford JM, et al.
J Anat 108:527-43, Apr 71
Effect of the T locus on sperm ultrastructure in the house mouse. Olds PJ.
J Anat 109:31-7, May 71
The fine structure and arrangement of microcylinders in the lumina of flagellar fibers in cricket spermatids. Kaye JS.
J Cell Biol 45:416-30, May 70
Striations in the peripheral fibers of rat and mouse spermatozoa. Woolley DM.
J Cell Biol 49:936-9, Jun 71
Studies on the fine structure of spermatids and spermatozoa of the crab, Pinnixia sp. Reger JF.
J Morphol 132:89-99, Sep 70
Ultrastructure of the "decapitated sperm defect" in Guernsey bulls. Blom E, et al.
J Reprod Fertil 23:67-72, Oct 70
A study on sperm tail elements in mouse blastocysts. McReynolds HD, et al.
J Reprod Fertil 24:291-4, Feb 71
Centrifugal patterns and morphological variation of bull spermatozoa. O'Donnell JM, et al.
J Reprod Fertil 23:41-8, Oct 70
An electron microscope study of a tail abnormality in spermatozoa from a subfertile man. Ross A, et al.
J Reprod Fertil 24:99-103, Jan 71
The effects of heat on the metabolism and ultrastructure of ram testicular spermatozoa. Voglmayr JK, et al.
J Reprod Fertil 24:71-80, Jan 71
A 'posterior ring' in the spermatozoa of species of Muridae. Woolley DM.
J Reprod Fertil 23:361-3, Nov 70
Penetration of the oocyte envelope by spermatozoa in the spider crab. Hinsch GW.
J Ultrastruct Res 35:86-97, Apr 71
A freeze-etching study of rabbit spermatozoa with particular reference to head structures. Koehler JK.
J Ultrastruct Res 33:598-614, Dec 70
An ultrastructural analysis of fertilization in the surf clam, Spisula solidissima. II. Development of the male pronucleus and the association of the maternally and paternally derived chromosomes. Longo FJ, et al.
J Ultrastruct Res 33:515-27, Dec 70
Ultrastructural study on human binucleate spermatids. Matano Y.
J Ultrastruct Res 34:123-34, Jan 71
Observations on the axial filament complex of the human spermatozoon. Pedersen H.
J Ultrastruct Res 33:451-62, Dec 70
Ultrastructure of spermatozoa of the wooly opossum Caluromys philander. Phillips DM.
J Ultrastruct Res 33:381-97, Nov 70
Development of spermatozoa in the wooly opossum with special reference to the shaping of the sperm head. Phillips DM.
J Ultrastruct Res 33:369-80, Nov 70
Morphogenesis of the lacinate appendages of lepidopteran spermatozoa. Phillips DM.
J Ultrastruct Res 34:567-85, Mar 71
Ultrastructure of mammalian spermiogenesis. II. Elimination of the nuclear membrane. Rattner JB, et al.
J Ultrastruct Res 36:1-7, Jul 71
Fine structure of spermiogenesis in the elasmobranch fish Squalus suckleyi. II. Late stages of differentiation and structure of the mature spermatozoon. Stanley HP.
J Ultrastruct Res 36:103-18, Jul 71
Fine structure of spermiogenesis in the elasmobranch fish Squalus suckleyi. I. Acrosome formation, nuclear elongation and differentiation of the midpiece axia. Stanley HP.
J Ultrastruct Res 36:86-102, Jul 71
A detailed ultrastructural study of the head membranes of ejaculated bovine sperm. Wooding FB, et al.
J Ultrastruct Res 35:71-85, Apr 71
Acrosome loss in fertilizing mammalian spermatozoa: a clarification. Zamboni L.
J Ultrastruct Res 34:401-5, Feb 71
The fine structure of nuclei during spermiogenesis in the leopard frog, Rana pipiens. Zirkin BR.
J Ultrastruct Res 34:159-74, Jan 71
The fine structure of nuclei in mature sperm. I. Application of the Langmuir trough-critical point method to histone-containing sperm nuclei. Zirkin BR.
J Ultrastruct Res 36:237-48, Jul 71
Some ultrastructural aspects of nuclear morphology in developing spermatids and mature spermatozoa of the bull. Zibrín M.
Mikroskopie 27:10-6, Apr 71
Genetic function correlated with unfolding of lampbrush loops by the Y chromosome in spermatocytes of Drosophila hydei. Hess O.
Mol Gen Genet 106:328-46, 1970
Origin of apparent polyploid spermatocytes in the mouse. Ford CE, et al.
Nature (Lond) 230:389-90, 9 Apr 71
Motion of spermatozoa in fluid streams. Roberts AM.
Nature (Lond) 228:375-6, 24 Oct 70
Frequency of polyploid spermatozoa in man. Sumner AT.
Nature (Lond) 231:49, 7 May 71
Distinguishing between X, Y and YY-bearing human spermatozoa by fluorescence and DNA content. Sumner AT, et al.
Nature [New Biol] 229:231-3, 24 Feb 71
Identical linear order of chromosomes in both gametes of the acoel turbellarian Polychoerus carmelensis: a preliminary note. Costello DP.
Proc Natl Acad Sci USA 67:1951-8, Dec 70
Multivariate analysis in the genetics of spermatozoan dimensions in mice. Williams DA, et al.
Proc R Soc Lond [Biol] 174:313-31, 4 Aug 70
An eosin-fast green-naphthol yellow mixture for differential staining of cytologic components in mammalian spermatozoa. Bryan JH.
Stain Technol 45:231-6, Sep 70
Fine structure of macrogametes and oocysts of Coccidia and related organisms. Scholtyseck E, et al.
Z Parasitenkd 37:1-43, 1971
Spermatogenesis revisited. I. On the presence of multinucleate spermatogenic cells in the seminiferous epithelium of the mouse. Bryan JH.
Z Zellforsch Mikrosk Anat 112:333-49, 1971
Scanning and transmission electron microscopy of human ejaculate spermatozoa with special reference to their abnormal forms. Fujita T, et al.
Z Zellforsch Mikrosk Anat 105:483-97, 1970
Ultrastructure of germ cell development in the human fetal testis. Gondos B, et al.
Z Zellforsch Mikrosk Anat 119:1-20, 1971
The ultrastructure of four types of human spermatogonia. Rowley MJ, et al.
Z Zellforsch Mikrosk Anat 112:139-57, 1971
[Changes in spermiogram values after successful treatment of infertile men] Bartík V.
Cas Lek Cesk 110:573-4, 11 Jun 71 (Cze)
[Meiotic chromosomes of humans. II. The nucleolus. The chiasmata. 3. Male sterility] Luciani JM.
Ann Genet (Paris) 13:169-82, Sep 70 (Fre)
[Development of a reticular complex during the evolution of primary spermatogonia in Triturus helveticus Razoumowsky] Sentein P, et al.
Arch Anat Microsc Morphol Exp 60:83-93, Jan-Mar 71 (Fre)
[Morphological development of meiotic chromosomes in the ram (Ovis aries)] Loir M.
C R Acad Sci [D] (Paris) 272:2587-90, 17 May 71 (Fre)
[Crystalloid inclusions in the karyoplasm of spermatids from a myriopod] Horstmann E.
Experientia 26:991-2, 26 Sep 70 (Ger)
[The fine structure of the macrogamete of the mouse coccidium Eimeria falciformis] Scholtyseck E, et al.
Z Parasitenkd 37:44-54, 1971 (Ger)
[Fine structure of rat spermatozoa after fertilization] Merker HJ, et al.
Z Zellforsch Mikrosk Anat 95:594-607, 1969 (Ger)
[New formation of mitochondria: electron microscopic studies on spermatids of Eisenia foetida (Annelidae)] Stang-Voss C, et al.
Z Zellforsch Mikrosk Anat 111:127-42, 1970 (Ger)
[Morphologic aspects of human spermatozoa after fluorescent staining with acridine orange] Floris F, et al.
Minerva Ginecol 22:456-7, 30 Apr 70 (Ita)
[Electron microscope studies on the head of the developing spermatids in the testis of the bagworm, Cryptothelea formosicola strand] Oura C, et al.
J Kumamoto Med Soc 45:415-35, 25 Apr 71 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Some characteristics of meiosis in mammals] Pogosiants EE. Tsitologiia 13:447-53, Apr 71 (Rus)
[Changes in some ultrastructures during microgametogenesis in rabbit coccidia] Snigirevskaia ES. Tsitologiia 11:382-5, 1969 (Rus)

DRUG EFFECTS

Discrimination of isotopes by living systems. 3. The effect of heavy water on the motility and lifetime of sperms. Niedetzky A, et al.
Acta Biochim Biophys Acad Sci Hung 5:477-84, 1970
Spermatogenesis and sperm output in rabbits after long-term treatment with oxytocin. Melin P.
Acta Endocrinol (Kbh) 66:515-28, Mar 71
Interference of steroids with fertilization. Elger W, et al. Acta Endocrinol [Suppl] (Kbh) 152:71, 1971
Dose-response curves for dominant lethal mutations induced in the sperm and oöcytes of screw-worm flies by N,N'-tetramethylenebis (1-aziridinecarboxamide). Crystal MM. Ann Entomol Soc Am 63:1369-72, Sep 70
Effect of composition of the thawing solution on survival of ram spermatozoa frozen by the pellet method. Salamon S, et al.
Aust J Biol Sci 24:355-64, Apr 71
Factors influencing the response of ram spermatozoa to bicarbonate and carbon dioxide. Wales RG, et al. Aust J Biol Sci 24:345-54, Apr 71
Alteration of cell volume in bull spermatozoa by factors known to affect active cation transport. Bredderman PJ, et al. Exp Cell Res 66:190-6, May 71
Factors stabilizing bull sperm cell volume and prolonging motility at high dilution. Bredderman PJ, et al. Exp Cell Res 66:458-64, Jun 71
Sperm motility and survival in relation to glucose concentration: an in vitro study. Kellerman AS, et al. Fertil Steril 21:802-5, Nov 70
Action of cholinergic drugs on motility of spermatozoa. Sanyal RK, et al. Fertil Steril 22:356-9, Jun 71
Fertilization and early embryonic development subsequent to mating with TEPA-treated male mice. Joshi SR, et al. Genetics 65:483-94, Jul 70
In vitro prevention of lysis in human ejaculation. Bhattacharya BC. Indian J Exp Biol 8:75-7, Apr 70
Effects of prolactin on spermatogenesis in hypophysectomized mice. Bartke A.
J Endocrinol 49:311-6, Feb 71
The fertilizing life of spermatozoa in the female tract of rabbits and ferrets treated with oestrogen. Chang MC, et al. J Reprod Fertil 23:173-5, Oct 70
Effect of alpha-chlorhydrin upon the fertility of spermatozoa of the cauda epididymidis of the rat. Turner MA. J Reprod Fertil 24:267-9, Feb 71
The effect of storage on the frequency of dominant lethals in Drosophila melanogaster. Srám RJ.
Mol Gen Genet 106:286-8, 1970
Comparison of radiation-and chemically-induced dominant lethal mutations in male mice. Ehling UH.
Mutat Res 11:35-44, Jan 71
Induction by 5-bromodeoxyuridine of sex-linked lethal mutations in spermatogenous cells of Drosophila melanogaster. Kaufmann BP, et al.
Mutat Res 10:591-5, Dec 70
Capacitation of hamster spermatozoa by beta-glucuronidase. Gwatkin RB, et al.
Nature (Lond) 229:343-4, 29 Jan 71
Effect of some cryophylactic agents on turkey spermatozoa. Brown KI, et al.
Poult Sci 50:832-5, May 71
[Comparative study of the effect of streptomycin, dihydrostreptomycin and neomycin on motility characteristics and longevity of spermatozoa] Duijn C van Jr, et al.
Ned Tijdschr Geneeskd 114:1525-30, 12 Sep 70 (Dut)
[Arrest of spermatogenesis by various antibiotics: preliminary experimental results] Dokov VK, et al.
Acta Urol Belg 38:277-87, Jul 70 (Fre)
[Bradykinesias: a therapeutic experience] Giarola A, et al. Gynecol Prat 21:353-69, 1970 (Fre)
[Histological findings in the biopsy of human testes during anti-androgen treatment] Städtler F, et al.
Acta Endocrinol [Suppl] (Kbh) 152:36, 1971 (Ger)
[Effect of the anti-androgen Cyproterone on ejaculate findings and sperm prostaglandins in young men] Sturde HC.
Arch Dermatol Forsch 241:86-95, 1971 (Ger)
[Andrologic examinations in the antimetabolite therapy of psoriasis] Günther E.
Dermatol Monatsschr 156:498-502, 1970 (Ger)
[Treatment results in oligospermia with HMG (Pergonal 500). Preliminary results] Landes E, et al.
Hautarzt 22:305-6, Jul 71 (Ger)
[Treatment of oligospermia with amitriptyline] Vogel PG, et al.
Munch Med Wochenschr 113:1028-33, 9 Jul 71 (Ger)
[Testicular lesions in rats treated with ethambutol] Botticelli A, et al.
Boll Soc Ital Biol Sper 47:72-5, 15 Feb 71 (Ita)
[Effects of prolonged treatment with mesterolone in oligoasthenospermia] Todeschini F, et al.
Boll Soc Ital Biol Sper 46:775-8, 15 Oct 70 (Ita)
[Study of the seminal fluid in subjects treated with methotrexate] De Luca M, et al.
G Ital Dermatol 46:247-9, Jun 71 (Ita)
[Effect of dimethyl sulfate on S and n gene mutation frequency in the carp (Cyprinus carpio L.)] Tsof RM.
Dokl Akad Nauk SSSR 197:701-4, 21 Mar 71 (Rus)
[Effect of nitrosomethylurea and dimethylsulfate on the sperm of the rainbow trout (Salmo irideus Gibb.) and the white fish (Coregonus peled Gmel.)] Tsof RM.
Dokl Akad Nauk SSSR 189:411-4, 11 Nov 69 (Rus)
[Effect of maneb on testicular and ovarian functions] Kirlich AE. Veterinariia 6:93-4, Jun 70 (Rus)
[Effect of antibiotics on V. fetus in deep-frozen sperm] Velichko IM, et al. Veterinariia 10:107-9, Oct 70 (Rus)
[Study of the basal temperature, cervix mucus, vaginal cytology, spermatic penetration, and length of the menstrual cycle, in patients under clomiphene treatment] Ruiz Velasco V, et al.
Ginecol Obstet Mex 26:315-26, Sep 69 (Spa)

ENZYMOLOGY

Activation of monkey spermatozoal adenyl cyclase by thyroxine and triiodothyronine. Casillas ER, et al.
Biochem Biophys Res Commun 40:255-62, 27 Jul 70
Mammalian sperm acrosomal neuraminidases. Srivastava PN, et al.
Biochem Biophys Res Commun 39:575-82, 22 May 70
Enzymic control of fructolysis in primate spermatozoa. Hoskins DD, et al.
Biochim Biophys Acta 237:227-38, 18 May 71
Some factors affecting loss of intracellular enzymes from spermatozoa. Brown KI, et al.
Cryobiology 8:220-4, Apr 71
Distribution of glutamic oxalacetic transaminase and lactic dehydrogenase activities in boar semen after cold shock and freezing. Pursel VG, et al.
Cryobiology 7:141-4, Sep-Oct 70
Ultrastructural investigations of spermatozoa treated with desoxyribonuclease and ribonuclease. Vassileva-Popova Y.
Dokl Bolg Akad Nauk 22:201-3, 1969
The histochemical distribution of fructose metabolism enzymes in bovine spermatogenesis. Micucci M, et al.
J Anat 109:209-14, Jul 71
Some kinetic aspects of sperm specific lactate dehydrogenase in mice. Hawtrey CO, et al.
J Exp Zool 174:451-61, Aug 70
Te cytochemical localization of glycolytic and oxidative enzymes within mitochondria ofspermatozoa of some pulmonate gastropods. Anderson WA, et al.
J Histochem Cytochem 18:783-9, Nov 70
Electrophoretic studies of esterases of bull spermatozoa, cytoplasmic droplets and seminal plasma. Meizel S, et al.
J Histochem Cytochem 19:226-31, Apr 71
Electrophoretic detection of multiple forms of trypsin-like activity in spermatozoa of the domestic fowl. Ho JJ, et al. J Reprod Fertil 23:177-9, Oct 70
Association of the lactic dehydrogenase X 4 isozyme with male-producing rabbit spermatozoa. Stambaugh R, et al. J Reprod Fertil 25:275-8, May 71
Some enzyme activities of chicken spermatozoa. Buckland RB. Poult Sci 49:1638-41, Nov 70
Biochemical changes in the zona pellucida of rabbit ova induced by fertilization and sperm enzymes. Gould K, et al. Proc Soc Exp Biol Med 136:6-10, Jan 71
Proteolytic reaction of mammalian spermatozoa on gelatin membranes. Gaddum P, et al.
Science 170:749-51, 13 Nov 70
[Histoenzymology of spermatozoids] Dokov VK, et al.
Acta Urol Belg 38:30-2, Jan 70 (Fre)

GROWTH & DEVELOPMENT

Advancement of spermatogenesis and testosterone production in the prepuberal ferret following hypothalamic lesions. Goldfoot DA, et al.
Acta Endocrinol [Suppl] (Kbh) 155:25, 1971
Histochemical observations on the spermatogenesis of the trematode, Paramphistomum (Explanatum) bathycotyle. Guraya SS, et al.
Acta Morphol Neerl Scand 8:19-27, Sep 70
Histochemical observations on the spermatogenesis of Fasciola indica. Guraya SS, et al.
Acta Morphol Neerl Scand 8:9-17, Sep 70
Spermatogonial stem-cell renewal in the mouse. Oakberg EF. Anat Rec 169:515-31, Mar 71
Sex pheromones of noctuid moths. XV. Timing of development of pheromone-responsiveness and other indicators of reproductive age in males of eight species. Shorey HH, et al.
Ann Entomol Soc Am 61:857-61, Jul 68
[Study of meiotic chromosomes in a caseof Klinefelter'sdisease with spermatogenesis and 46,XY-47,XXY karyotype] Luciani JM, et al.
Ann Genet (Paris) 13:249-53, Dec 70
Avian hypophyseal stimulation and spermatogenesis. Van Krey HP, et al. Aust J Biol Sci 23:717-20, Jun 70
Studies on spermatogenesis in rats. I. Application of the sedimentation velocity technique to an investigation of spermatogenesis. Go VL, et al.
Can J Biochem 49:753-60, Jul 71
Studies on spermatogenesis in rats. II. Evidence that carnitine acetyltransferase is a marker enzyme for the investigation of germ cell differentiation. Vernon RG, et al. Can J Biochem 49:761-7, Jul 71
Physical and chemical studies of sperm production. Bruce WR, et al. Can Med Assoc J 103:885-8, 17 Oct 70
Male germ line, spermatogenesis and karyotypes of Heteropeza pygmaea Winnertz. (Diptera: Cecidomyiidae). Panelius S.
Chromosoma 32:295-331, 1971
The protein composition of nuclei during spermiogenesis in the leopard frog, Rana pipiens. Zirkin BR. Chromosoma 31:231-40, 1970
Deuterium oxide effect on spermatogenesis in the mouse. Oakberg EF, et al.
Exp Cell Res 50:306-14, May 68
Duration of transit of spermatozoa through the human male ductular system. Rowley MJ, et al.
Fertil Steril 21:300-6, May 70
Impairment of spermatogenesis and libido through antibodies to lutenizing hormone. Talaat M, et al.
Fertil Steril 22:113-8, Feb 71
Induction of experimental autoimmune aspermatogenesis by immune serum fractions. Pokorná Z. Folia Biol (Praha) 16:320-9, 1970
Hormonal regulation of hyaluronidase during spermatogenesis in the rat. Males JL, et al.
J Biol Chem 245:6329-34, 10 Dec 70
Abnormal spermiogenesis in two pink-eyed sterile mutants in the mouse. Hunt DM, et al.
J Embryol Exp Morphol 26:111-21, Aug 71
Spermatid differentiation in the blowfly Sarcophaga bullata with particular reference to flagellar morphogenesis. Warner FD.
J Ultrastruct Res 35:210-32, May 71
Early stages of spermatozoan development in the colonial hydroid Campanularia flexuosa. Lunger PD.
Z Zellforsch Mikrosk Anat 116:37-51, 1971
A scheme of rabbit spermateleosis based upon electron microscopical observations. Plöen L.
Z Zellforsch Mikrosk Anat 115:553-64, 1971
Spermatogenesis in animals as revealed by electron microscopy. XIX. Peculiar granular body clusters in early spermatid nuclei of Grasshopper. Yasuzumi G, et al. Z Zellforsch Mikrosk Anat 109:450-64, 1970
Spermatogenesis in animals as revealed by electron microscopy. XXI. Microkaryosomes and microtubules appearing during spermiogenesis of the lovebird Uroloncha striata var. domestica flower. Yasuzumi G, et al. Z Zellforsch Mikrosk Anat 114:451-9, 1971
Spermatogenesis in animals as revealed by electron microscopy. XXII. Development of nuclei and cytoplasmic microtubules in the grasshopper spermatids. Yasuzumi G, et al.
Z Zellforsch Mikrosk Anat 115:543-52, 1971
[Regeneration of the spermatogenesis of the hypophysectomized cyprid Carassius auratus. L. by a highly purified carp gonadotropic factor] Billard R, et al. C R Acad Sci [D] (Paris) 271:1896-9, 23 Nov 70 (Fre)
[A new quantitative method for determination of spermatogenesis and its application in examinations of spermatogenesis in the testes of rats with hereditary unilateral descent disorders] Krause HH.
Acta Endocrinol [Suppl] (Kbh) 152:32, 1971 (Ger)
[On the origin of the golgi-apparatus. Electron microscopical observations on spermatids of Eisenia foetida (Annelidae)] Stang-Voss C.
Z Zellforsch Mikrosk Anat 109:287-96, 1970 (Ger)
[Effect of prolonged high dose administration of an anti-androgen (medroxyprogesterone acetate) on testicular function in rats] Ronzoni G, et al.
Chir Patol Sper 17:101-10, Jun 69 (Ita)
[Transformation of spermatozoa nuclei of some mammalian species in cells cultivated in vitro] Senin VM, et al. Dokl Akad Nauk SSSR 197:941-3, 1971 (Rus)
[Chromatin movement during spermiogenesis in the freshwater crayfish and possible evolutionary significance of this phenomenon] Studitskiĭ AN.
Dokl Akad Nauk SSSR 198:1203-6, 1971 (Rus)
[Effect of chronic intoxication with ethylated gasoline on spermatogenesis and sexual function in males] Neshkov NS. Gig Tr Prof Zabol 15:45-6, 1971 (Rus)
[ultrastructural changes in the flagellum envelope during silkworm spermiogenesis] Danilova LV.
Tsitologiia 13:564-7, May 71 (Rus)
[The spermatogenic function of thyrotoxicosis patients] Kazarian GA, et al.
Zh Eksp Klin Med 7:79-83, 1967 (Rus)
[Action of gonadotropins on the prepuberal testicle] Bergadá C, et al.
Rev Argent Endocrinol Metab 14:163-4, Sep 68 (Spa)
[Use of human gonadotropins in oligospermia and azoospermia] Janches M, et al.
Rev Argent Endocrinol Metab 14:165, Sep 68 (Spa)
[Effect of different gonadotropins in the recovery of spermatogenesis in hypophysectomized patients] Seogier AC, et al.
Rev Argent Endocrinol Metab 14:162-3, Sep 68 (Spa)

IMMUNOLOGY

Localization of human male autoantibodies on spermatozoa. Fjällbrant B.
Am J Obstet Gynecol 106:550-6, 15 Oct 70
Immunofluorescent studies on human spermatozoa. II. Characterization of spermatozoal antigens and their occurrence in spermatozoa from the male partners of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

infertile couples. Hansen KB, et al.
Clin Exp Immunol 9:21-31, Jul 71
Antibodies to spermatozoa. 3. Responses in rabbits and guinea-pigs to immunization with guinea-pig sperm cells. Hekman A, et al.
Clin Exp Immunol 9:147-60, Aug 71
Immunofluorescent studies on human spermatozoa. I. The detection of different spermatozoal antibodies and their occurrence in normal and infertile women. Hjort T, et al. Clin Exp Immunol 8:9-23, Jan 71
Antibodies to spermatozoa. I. A new macroscopic agglutination technique for their detection, using immotile sperm. Shulman S, et al.
Clin Exp Immunol 9:137-46, Aug 71
Sperm antibodies in infertile couples. Ansbacher R, et al. Fertil Steril 22:296-302, May 71
Circulating antibody titers in relation to fertility. I. Male guinea pigs. Katsh S, et al.
Fertil Steril 22:456-61, Jul 71
Spermatotoxicity of immune sera in human infertility. Manarang-Pangan S, et al.
Fertil Steril 22:145-51, Mar 71
Effect of antihyaluronidase antibody on reproduction in rabbit. Bhattacharya BC.
Indian J Exp Biol 8:78-80, Apr 70
Investigations on repeat breeding cows and buffaloes. Immunological agglutination of spermatozoa in the cervical mucus. Deo S, et al.
Indian Vet J 48:572-83, Jun 71
Immunoelectrophoretic analysis of human seminal plasma fractions after fractionation by various methods. Li TS, et al. Int J Fertil 16:87-100, Apr-Jun 71
Immunization of human female with human sperm and semen. Otani Y, et al. Int J Fertil 16:19-23, Jan-Mar 71
Sperm sedimentation patterns. A semimicro method for evaluation of antibodies against spermatozoa. Zappi E, et al. Int J Fertil 16:75-86, Apr-Jun 71
Reversible immunologic aspermatogenesis in guinea pigs. Etribi A, et al. J Egypt Med Assoc 53:321-9, 1970
Pathogenesis of experimental allergic orchitis. II. The role of antibody. Tung KS, et al.
J Immunol 106:1463-72, Jun 71
Selective damage to spermatogenic cells of high antigenicity during auto-allergic aspermatogenesis. Johnson MH. J Pathol 102:131-8, Nov 70
Cross-reacting antigens on spermatozoaand erythrocytes. Baldo BA, et al.
J Reprod Fertil 24:129-30, Jan 71
Spermagglutinins in human sera. Boettcher B, et al.
J Reprod Fertil 24:127-8, Jan 71
Subnormal testicular function in a bull concealed by phagocytosis of abnormal spermatozoa in the efferent ductules. Crabo B, et al.
J Reprod Fertil 26:393-6, Sep 71
A study on the effect of injections of brain and liver on spermatogenesis in guinea-pigs. Etribi AA, et al.
J Reprod Fertil 26:333-6, Sep 71
Fractionation of human spermagglutinating sera. Kay DJ, et al. J Reprod Fertil 24:128, Jan 71
Incidence of immunoglobulins in fluids of the rabbit genital tracts and the distribution of IgG-globulin in the tissues of the female tract. Symons DB, et al.
J Reprod Fertil 24:55-62, Jan 71
Detection of H-2 antigens on mouse spermatozoa by the cytotoxicity test. Goldberg EH, et al.
Nature (Lond) 228:570-2, 7 Nov 70
Serological demonstration of H-Y (male) antigen on mouse sperm. Goldberg EH, et al.
Nature (Lond) 232:478-80, 13 Aug 71
Reflexion of genetic differences by spermatozoan antigens. Kulangara AC, et al.
Nature [New Biol] 231:144-6, 2 Jun 71
Sperm-immobilizing and agglutinating antibodies in the serum of infertile women. Vaidya RA, et al.
Obstet Gynecol 37:546-9, Apr 71
[Immunologic sterility]
Annee Endocrinol 23:56-62, 1971 (Fre)
[Critical study of new contraceptive methods] Revaz C, et al.
Schweiz Med Wochenschr 101:127-30 concl, 30 Jan 71 (Fre)
[Antigenicity and autoimmunity in sexual reproduction. Own report] Shulman S.
Z Haut Geschlechtskr 45:765-6, 15 Nov 70 (Ger)
[Combination of haplotypes of the HL-A system as a possible mechanism for gametic or zygotic selection] Piazza A, et al. Haematologica 54:703-20, 1969 (Ita)
[Detection of an autoantigen in testicular tissue and in cells of monolayer cultures of guinea pig testis] Podoplelov II, et al.
Vestn Akad Med Nauk SSSR 26:82-6, 1971 (Rus)
[Role of immune factors in the reproduction of cattle] Il'inskif EV, et al. Veterinariia 11:97-9, Nov 70 (Rus)
[Sterility of immunological origin] Usandizaga JA.
Acta Obstet Ginecol Hisp Lusit 18:101-19, Apr 70 (Spa)
[Immunohistochemical localization of serum proteins in human spermatozoids] Gutiérrez O.
Rev Soc Argent Biol 45:174-80, Aug-Nov 69 (Spa)

METABOLISM

Metabolism of ram testicular spermatozoa in the presence of testosterone and related steroids. Vogimayr JK, et al.
Acta Endocrinol (Kbh) 65:565-76, Nov 70
Transport of spermatozoa, and fertilization in the ewe following cervical and uterine insemination early and late in oestrus. Killeen ID, et al.
Aust J Biol Sci 23:1271-7, Dec 70
Studies of the fixation of carbon dioxide by washed ram spermatozoa. O'Shea T, et al.
Aust J Biol Sci 23:889-901, Aug 70
Effect of incubation conditions on the metabolic response of ram spermatozoa in the presence of fluids from the genital tract of the ewe. Restall BJ.
Aust J Biol Sci 23:1255-64, Dec 70
Properties and function of the respiratory chain of freshwater mussel spermatozoa in relation to motility. Higashi S, et al.
Biochim Biophys Acta 216:274-81, 1 Sep 70
Enzymic control of fructolysis in primate spermatozoa. Hoskins DD, et al.
Biochim Biophys Acta 237:227-38, 18 May 71
Aspects of histophysiology of the spermathecal gland of Sitophilus granarius (L.) (Coleoptera). Bhatnagar RD, et al. Can J Zool 49:275-7, Feb 71
Testicular morphology and germ cell DNA synthesis in the testis of patients with prostatic carcinoma. Markewitz M, et al. Cancer 27:919-24, Apr 71
Glycerol metabolism in untreated, cold-shocked, and frozen human spermatozoa. Ackerman DR.
Cryobiology 7:145-7, Sep-Oct 70
Calcium-45 uptake as a measurement of freeze-thaw injury to hicken spermatozoa in the presence or absence of cryopreservatives. Thurston RJ, et al.
Cryobiology 7:100-6, Sep-Oct 70
Changes in deoxyribonucleo-protein during spermiogenesis in the bull. 3 H-Actinomycin D binding capacity. Daržynkiewicz Z, et al.
Exp Cell Res 58:435-8, Dec 69
Fusion of rabbit spermatozoa with somatic cells cultivated in vitro. Sawicki W, et al.
Exp Cell Res 66:145-51, May 71
Variation due to freezing in the citric acid content of human semen. Ackerman DR.
Fertil Steril 22:58-60, Jan 71
Tritium activity in spermatozoa and epididymal epithelium after application of thymidine-methyl-H3 and passage blocking by ligature. Fulka J, et al.
Fertil Steril 22:119-24, Feb 71
Influence of atmosphere and incubation temperature on the metabolism of washed boar spermatozoa. Shelby DR, et al. J Anim Sci 32:103-6, Jan 71
Effects of benzimidazoles as inhibitors of the metabolism of washed porcine spermatozoa. Witters WL, et al. J Anim Sci 32:287-91, Feb 71
Studies of the stimulating effect of bicarbonate on the metabolism of ram spermatozoa. Murdoch RN, et al.
J Reprod Fertil 25:231-42, May 71
The binding of ouabain to spermatozoa of boar and ram. O'Donnell JM, et al. J Reprod Fertil 23:181-4, Oct 70
Some factors affecting the intracellular accumulation of metabolites by spermatozoa of the ram. O'Shea T.
J Reprod Fertil 24:130, Jan 71
Synthesis and metabolism of myoinositol in testicular and ejaculated spermatozoa of the ram. Vogimayr JK, et al. J Reprod Fertil 24:29-37, Jan 71
The effect of steroid hormones on the metabolism of ram spermatozoa. White IG, et al.
J Reprod Fertil 24:137-8, Jan 71
Transport of spermatozoa in the reproductive tract of turkey hens. Howarth B Jr. Poult Sci 50:84-9, Jan 71
Study of spermatogenesis and steroid metabolism in cultures of mammalian testes. Steinberger E, et al.
Recent Progr Horm Res 26:547-88, 1970 (63 ref.)
Labelling of mouse spermatozoa with L-arginine-14C(U) monohydrochloride. Kopečný V. Z Zellforsch Mikrosk Anat 109:414-9, 1970
[Nature and development of the basic proteins during the spermiogenesis in Pleurodeles waltlii Michah., Urodele amphibian] Picheral B.
Histochemie 23:189-206, 1970 (Fre)
[Biochemical changes in the blood and sperm of bulls] Valge LA. Veterinariia 10:101-4, Oct 70 (Rus)

PHYSIOLOGY

Bioassay techniques related to sperm capacitation. Dukelow WR. Acta Endocrinol (Kbh) 66:503-14, Mar 71
Changes in the golgi apparatus during spermiogenesis in the rat. Susi FR, et al. Am J Anat 130:251-67, Mar 71
Transport and distribution of spermatozoa in the pseudopregnant rabbit. Dobrowolski W, et al.
Am J Vet Res 31:2243-4, Dec 70
Contractile mechanisms in flagella. Rikmenspoel R.
Biophys J 11:447-63, May 71
Capacitation of sperm in the female reproductive tract of the rabbit during estrus and pseudopregnancy. Brown SM, et al. Fertil Steril 22:92-7, Feb 71
Effects of pH on the migration of X and Y sperm. Diasio RB, et al. Fertil Steril 22:303-5, May 71
Influence of various hormonal contraceptives on sperm migration in vivo. Kesserü-Koos E.
Fertil Steril 22:584-603, Sep 71
Influence of the oviduct on sperm capacitation in the rabbit. Seitz HM Jr, et al. Fertil Steril 21:325-8, Apr 70
Interference of human spermatozoa motility by Escherichia coli. Teague NS, et al.
Fertil Steril 22:281-5, May 71
A test of the functional significance of the quantity of mitochondria in the spermatozoa of mice. Woolley DM. Genet Res 16:225-8, 2 Oct 70
Possible nonrandom utilization of X- and Y-bearing sperm in Drosophila melanogaster. Mange AP.
Genetics 65:95-106, May 70
Transport and distribution of spermatozoa in the reproductive tract of the cow. Dobrowolski W, et al.
J Anim Sci 31:940-3, Nov 70
Marking boar spermatozoa with fluorochromes for evaluating spermatozoan transport within gilts. Mellish KS, et al. J Anim Sci 31:917-22, Nov 70
The influence of oestrogen and progesterone on sperm capacitation in the reproductive tract of the female rabbit. Bedford JM. J Endocrinol 46:191-200, Feb 70
Capacitation and fertilization during pseudopregnancy in the rabbit. Hunter RH. J Endocrinol 49:581-9, Apr 71
Bending moments in free-swimming flagella. Brokaw CJ. J Exp Biol 53:445-64, Oct 70
Further investigation of capacitation of sperm and fertilization of mouse eggs in vitro. Iwamatsu T, et al.
J Exp Zool 175:271-81, Nov 70
Local stimulatory effect of vitamin A on spermatogenesis in the rat. Ahluwalia B, et al.
J Nutr 101:141-51, Feb 71
The relation of cervical mucus proteins to sperm penetrability. Elstein M, et al.
J Obstet Gynaecol Br Commonw 77:1123-6, Dec 70
Germinal cell loss during human spermatogenesis. Barr AB, et al. J Reprod Fertil 25:75-80, Apr 71
The rate of sperm passage into the cervix after coitus in the rabbit. Bedford JM.
J Reprod Fertil 25:211-8, May 71
The capacitation time and fertilizing life of snowshoe hare spermatozoa in the female tract of the rabbit. Chang MC, et al. J Reprod Fertil 25:287-9, May 71
The 'sperm-rise' test. Drevius LO.
J Reprod Fertil 24:427-9, Mar 71
Cat (Felis catus L.) spermatozoa require capacitation. Hamner CE, et al. J Reprod Fertil 23:477-80, Dec 70
Rapid disruption of sperm transport mechanisms by intra-uterine devices in the ewe. Hawk HW.
J Reprod Fertil 23:139-42, Oct 70
Polyspermic fertilization following tubal surgery in pigs, with particular reference to the rôle of the isthmus. Hunter RH, et al.
J Reprod Fertil 24:233-46, Feb 71
Factors involved in the fertilization of mouse eggs in vitro. Iwamatsu T, et al.
J Reprod Fertil 26:197-208, Aug 71
The influence of the ageing of rabbit spermatozoa in vitro on fertilizing capacity and embryonic mortality. Koefoed-Johnsen HH, et al.
J Reprod Fertil 26:351-6, Sep 71
Effects of site of insemination, sperm motility and genital tract contractions on transport of spermatozoa in the ewe. Lightfoot RJ, et al.
J Reprod Fertil 26:1-13, Jul 71
Transuterine migration of spermatozoa in the golden hamster (Mesocricetus auratus). Lubicz-Nawrocki C.
J Reprod Fertil 23:197-9, Oct 70
Maintenance of the motility of rat epididymal spermatozoa in the presence of male accessory secretions. Morita Z, et al.
J Reprod Fertil 24:247-54, Feb 71
Biophysical characterization of fowl spermatozoa. II. Interrelationships between intrinsic motility and electrophoretic mobility. Pistenma DA, et al.
J Reprod Fertil 24:161-9, Feb 71
Biophysical characterization of fowl spermatozoa. I. Preservation of motility and fertilizing capacity under conditions of low temperature and low sperm concentrations. Pistenma DA, et al.
J Reprod Fertil 24:153-60, Feb 71
Transport of unejaculated spermatozoa through the pelvic part of the urogenital tract in the ram. Tischner M. J Reprod Fertil 24:271-4, Feb 71
Decrease in the electrophoretic mobility of rabbit spermatozoa following intra-uterine incubation. Vaidya RA, et al. J Reprod Fertil 24:299-301, Feb 71
Effect of an intrauterine device on sperm transport and uterine motility in sheep and rabbits. Warren JE Jr, et al. J Reprod Fertil 26:419-22, Sep 71
The movement of golden hamster spermatozoa before and after capacitation. Yanagimachi R.
J Reprod Fertil 23:193-6, Oct 70
Uptake of heterologous genome by mammalian spermatozoa and its transfer to ova through fertilization. Brackett BG, et al.
Proc Natl Acad Sci USA 68:353-7, Feb 71
Modification of histones during spermiogenesis in trout: a molecular mechanism for altering histone binding to DNA. Sung MT, et al.
Proc Natl Acad Sci USA 67:1616-23, Nov 70
The effect of sodium pentobarbital on capacitation in the rabbit. Piotka ED, et al.
Proc Soc Exp Biol Med 136:937-9, Mar 71
Hormones and sperm capacitation in rabbits. Piotka ED, et al. Proc Soc Exp Biol Med 136:934-6, Mar 71
Spermatogenesis in animals as revealed by electron microscopy. XX. Relationship between chromatoid bodies and centriole adjunct in spermatids of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

grasshopper, Acrida lata. Yasuzumi G, et al. Z Zellforsch Mikrosk Anat 110:231-42, 1970
[Quantitative spermatogenesis evaluation in animals and men] Desclin JC. Acta Urol Belg 39:89-93, Jan 71 (Fre)
[Determination of testes consistency in bulls, using a tonometer to test the germinative function of the gonads] Leidl W, et al. Berl Munch Tieraerztl Wochenschr 84:141-4, 15 Apr 71 (Ger)
[In vitro penetration test, an additional method for the diagnosis of fertility] Berner D, et al. Dermatol Monatsschr 156:46-51, 1970 (Ger)
[Tests for recognition of motility of the human sperm] Isaac JP, et al. Med Lab (Stuttg) 23:121-9, 1970 (Ger)
[Blood extract without protein (actihaemyl) as an adjuvant to improve the motility of spermatozoa. Experimental examinations] Milbradt R, et al. Munch Med Wochenschr 113:142-4, 22 Jan 71 (Ger)

RADIATION EFFECTS

Genetic effects of 90Sr on various stages of spermatogenesis in mice. Frölén H. Acta Radiol [Ther] (Stockh) 9:596-608, Dec 70
Radiation-induced chromosomal translocations in spermatogonia and other germ cell stages of different mammalian species. Smith B. Br J Radiol 44:567, Jul 71
The immediate and delayed effects of 1000 R x-rays on the rodent testis. Rugh R, et al. Fertil Steril 22:73-82, Feb 71
Laboratory studies on radiation-induced dominant lethality in sperms in population control of the mosquito Culex pipiens fatigans Wied. Koshy T, et al. Int J Radiat Biol 18:521-30, 1970
Mechanisms of selective fertilization in the rabbit: sperm transport and viability. Overstreet JW, et al. J Reprod Fertil 26:219-31, Aug 71
Comparison of radiation-and chemically-induced dominant lethal mutations in male mice. Ehling UH. Mutat Res 11:35-44, Jan 71
Dose-response curve for the yield of translocations in mouse spermatogonia after repeated small radiation doses. Lyon MF, et al. Mutat Res 10:497-501, Nov 70
RBE values of 15-MeV neutrons for recessive lethals and translocations in mature spermatozoa and late spermatids of Drosophila. Sobels FH, et al. Mutat Res 9:395-406, Apr 70
Frequency of parthenogenesis in chickens after insemination with irradiated sperm. Sarvella P. Radiat Res 46:186-91, Apr 71
Incidence of dominant lethal mutations after x-irradiation of spermatozoa of mice and rats. Gilliavod N, et al. Strahlentherapie 141:351-3, 1971
[Prenatal mortality induced by irradiation of spermatozoa] Léonard A. C R Soc Biol (Paris) 164:903-7, 1970 (Fre)
[Dominant lethal mutations in the offspring of irradiated male mice. 1. Studies of the dosage effect and the difference between whole-and part-body irradiation in meiotic and postmeiotic cell stages] Schröder JH, et al. Mutat Res 11:215-45, Feb 71 (Ger)
[Comparison of the effectiveness of single and fractionated irradiation of spermatozoa on prenatal death in rabbits] Nuzhdin NI, et al. Dokl Akad Nauk SSSR 194:1211-3, 1970 (Rus)
[Mutagenic effect of radiation on mice spermatogoniae] Pomerantseva MD, et al. Dokl Akad Nauk SSSR 185:1157-60, 11 Apr 69 (Rus)
[Sperm production in the dog during chronic gamma irradiation for a period of 2 years] Fedorova NL, et al. Radiobiologiia 11:120-3, Jan-Feb 71 (Rus)

SPERMINE (D2)

Metabolism and function of spermine and related polyamines. Bachrach U. Annu Rev Microbiol 24:109-34, 1970 (191 ref.)
Polyamines and protein synthesis. VI. Role of spermine in aminoacyl-tRNA formation. Igarashi K, et al. Biochim Biophys Acta 213:240-3, 16 Jul 70
Preparation and stability of oxidized polyamines. Kimes BW, et al. Biochim Biophys Acta 228:223-34, 1 Jan 71
Interaction between spermine and histones at nucleoprotein formation. Agrell I, et al. Hoppe Seylers Z Physiol Chem 352:39-42, Jan 71
Observations on the affinity between polyamines and nucleic acids. Heby O, et al. Hoppe Seylers Z Physiol Chem 352:29-38, Jan 71

BIOSYNTHESIS

Biosynthesis of spermidine and spermine in regenerating rat liver: some properties of the enzyme systems involved. Raina A, et al. Acta Chem Scand 24:3061-4, 1970
Dissociation of putrescine-activated decarboxylation of S-adenosyl-L-methionine from the enzymic synthesis of spermidine and spermine by purified prostatic enzyme preparations. Jänne J, et al. Biochem Biophys Res Commun 42:222-9, 22 Jan 71

METABOLISM

Polyamines and amino acid incorporation in vitro into microsomes of rat cerebral cortex. Giorgi PP. Biochem J 120:643-51, Dec 70

PHARMACODYNAMICS

Antibacterial action of spermine: effect on urinary tract pathogens. Fair WR, et al. Appl Microbiol 21:6-8, Jan 71
Absence of amino acid hydroxamate formation in aminoacyl transfer RNA formation stimulated by spermine. Takeda Y, et al. Biken J 13:395-7, Dec 70
Effect of spermine and magnesium on the attachment of free ribosomes to endoplasmic reticulum membranes. Khawaja JA, et al. Biochem Biophys Res Commun 41:512-8, 23 Oct 70
Cell-free ammonia oxidation by Nitrosomonas europaea extracts: effects of polyamines, Mg2+ and albumin. Suzuki I, et al. Biochem Biophys Res Commun 39:950-5, 5 Jun 70
Antiviral activity of oxidized polyamines and aldehydes. Kremzner LT, et al. Biochem Pharmacol 19:2541-50, Sep 70
The effects of diamines and polyamines on enzymic methylation of nucleic acid. Pegg AE. Biochim Biophys Acta 232:630-42, 8 Apr 71
Effect of spermine on the kinetics of estradiol hydroxylation by rat liver microsomes. Jellinck PH, et al. Experientia 26:1066, 15 Oct 70
Inactivation of influenza and Newcastle disease viruses by oxidized spermine. Bachrach U, et al. Isr J Med Sci 6:435-7, May-Jun 70
Polyamines and protein synthesis. VII. Effect of spermine on the binding of polyuridylic acid to 30S ribosomal subunits. Takeda Y, et al. J Biochem (Tokyo) 68:937-40, Dec 70
Inactivation of myxoviruses by oxidized polyamines. Bachrach U, et al. J Gen Virol 11:1-9, Apr 71

SPHAERIALES see under ASCOMYCETES (B5)

SPHAEROPHORUS (B3)

ANALYSIS

Preparation and chemical characteristics of endotoxic lipopolysaccharide from three strains of Sphaerophorus necrophorus. Hofstad T, et al. Acta Pathol Microbiol Scand [B] 79:385-90, 1971

CLASSIFICATION

[Butyric acid producing bacteroides cultures] Werner H, et al. Zentralbl Bakteriol [Orig] 217:206-16, Jun 71 (Ger)

DRUG EFFECTS

Effect of bile and desoxycholate on gram-negative anaerobic bacteria. Shimada K, et al. Appl Microbiol 20:737-41, Nov 70

ENZYMOLOGY

Formation of proteolytic activity in continuous culture of Sphaerophorus necrophorus. Wahren A, et al. Acta Pathol Microbiol Scand [B] 79:391-8, 1971

GROWTH & DEVELOPMENT

Application of immunofluorescence to studies on the ecology of Sphaerophorus necrophorus. Garcia MM, et al. Appl Microbiol 21:809-14, May 71
Evidence for branching in Sphaerophorus necrophorus. Teresa GW, et al. Can J Microbiol 16:908, Sep 70

IMMUNOLOGY

[Serological study of 3 Sphaerophorus strains] Wattre P, et al. Ann Inst Pasteur (Paris) 120:643-8, May 71 (Fre)

ISOLATION & PURIFICATION

Isolation of Sphaerophorus necrophorus from bovine hepatic abscesses in British Columbia. Simon PC, et al. Can J Comp Med 35:103-6, Apr 71
Fluorescent antibody techniques in the identification of the gram-negative nonsporeforming anaerobes. Griffin MH. Health Lab Sci 7:78-83, Apr 70

METABOLISM

[Immunelectrophoretic studies of the action of Bacteroides, Fusobacterium, Leptotrichia, and Sphaerophorus species on human plasma proteins] Werner H, et al. Zentralbl Bakteriol [Orig] 216:96-113, 1971 (Ger)

SPHAEROPHORUS INFECTIONS (C1, C15)

MICROBIOLOGY

[Empyema of the pleura caused by the anerobe, non-spore-producing bacteria species Sphaerophorus necrophorus] Werner H, et al. Dtsch Med Wochenschr 96:202-5 passim, 29 Jan 71 (Ger)

OCCURRENCE

[Occurrence and clinical significance of suppuration inducing Bacteroides and Sphaerophorus species] Werner H, et al. Dtsch Med Wochenschr 96:1325-9, Aug 71 (Ger)

VETERINARY

Contagious ovine ecthyma with primary lesions of the rumen and concurrent phycomycosis: a case report. Morales GA, et al. Am J Vet Res 32:163-6, Jan 71
[Use of tetracycline hydrochloride in necrobacillosis in reindeer] Pisarenko NI. Veterinariia 8:54-5, Aug 70 (Rus)

SPHAEROTILUS (B3)

[Bacteria of the Sphaerotilus-Leptothrix group] Petitprez M, et al. Ann Inst Pasteur Lille 20:115-40, 1969 (119 ref.) (Fre)

CYTOLOGY

[Some structural aspects of Sphaerotilus natans] Petitprez M, et al. Ann Inst Pasteur Lille 20:103-13, 1969 (Fre)

SPHENOID BONE (A2)

Report of a case of tuberculous retrobulbar neuritis and osteomyelitis. Miller BW, et al. Am J Ophthalmol 71:751-6, Mar 71
Unilateral and bilateral sphenoidal spikes in relation to the duration of epilepsy. Gupta PC, et al. Electroencephalogr Clin Neurophysiol 30:365-6, Apr 71
[A case of chordoma of the clivus with cervical extension in a child] Bourdial J, et al. Ann Otolaryngol Chir Cervicofac 87:820-2, Dec 70 (Fre)
[Giant ethmoido-sphenoidal mucocele with bilateral optic atrophy] Junien-Lavillauroy C, et al. J Fr Otorhinolaryngol 19:668-9 passim, Oct 70 (Fre)
[Is it necessary to operate on meningioma "en plaque" of the sphenoid bone?] Guiot G, et al. Minerva Neurochir 14:293-304, 1970 (Fre)
[Value of ocular signs in meningioma of the little wing of the sphenoid bone] Arseni C, et al. Rev Otoneuroophtalmol 42:493-7, Dec 70 (Fre)
[Mucocele of the sphenoid bone following hypophysectomy] Schoen D. Fortschr Geb Roentgenstr Nuklearmed 11:114-6, Jan 70 (Ger)
[Case of chordoma of the clivus] Bassi P, et al. Ann Radiol Diagn (Bologna) 42:415-23, Sep 69 (Ita)
[Postoperative course in pituitary surgery. Comparison between transfrontal and transphenoidal approach] Nicola GC, et al. Minerva Neurochir 14:89-91, Apr-Sep 70 (Ita)

ABNORMALITIES

[Hamulus pterygoideus] Moller-Jensen JE. Nord Med 85:479, 15 Apr 71 (Dan)

ANATOMY & HISTOLOGY

[Morphological and radiological studies of the optic canal] Nikolić V, et al. Acta Med Iugosl 24:89-103, 1970 (Cro)

INJURIES

Fractures of the pterygoid processes accompanying severe facial bone injury. Unger JD, et al. Radiology 98:311-6, Feb 71
[Blindness and fracture of the sphenoid] Montaut J, et al. Rev Otoneuroophtalmol 41:437-41, Dec 69 (Fre)

INNERVATION

Sphenopalatine ganglionectomy for cluster headache. Meyer JS, et al. Arch Otolaryngol 92:475-84, Nov 70

PATHOLOGY

The clinical significance of the optic strut. Cares HL, et al. J Neurosurg 34:355-64, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Tomography of the optic canal. Potter GD, et al. Neurology (Minneap) 20:419, Apr 70
The unfused planum sphenoidale: differentiation from fracture. Smith TR, et al. Radiology 98:305-9, Feb 71
[Evaluation of the spheno-sphenoidal fissures in the occipito-frontal (O-F) radiogram in radiological diagnosis of intracranial hypertension] Di Renzo R. Atti Accad Fisiocrit Siena [Med Fis] 17:897-910, 1968 (Ita)
[Plaque meningioma of the sphenoid wing] Fratarcangeli S. Valsalva 46:63-73, Apr 70 (Ita)

SURGERY

Total removal of large global meningiomas at the medial aspect of the sphenoid ridge. Technical note. Cook AW. J Neurosurg 34:107-13, Jan 71
Transsphenoidal hypophysectomy. Hardy J. J Neurosurg 34:582-94, Apr 71
Vidian neurectomy and other trans-antral surgery--1970. Golding-Wood PH. Laryngoscope 80:1179-89, Aug 70
Effects of pterygoid hamulotomy upon eustachian tube function. Odol H, et al. Laryngoscope 81:1242-4, Aug 71
[Surgery of the pterygopalatine fossa] Wentges RT. Ned Tijdschr Geneeskd 115:1367-71, 14 Aug 71 (Dut)
[The infratemporal approach to the orbit and the fossa pterygoidea] Denecke HJ. Fortschr Kiefer Gesichtschir 14:241-2, 1970 (Ger)

SPHENOID SINUS (A4)

Report of a case of sphenoid fissure syndrome studied by orbital venography. Milstein BA, et al. Am J Ophthalmol 72:600-3, Sep 71
Sphenoid sinus mucocele. Stanton MB. Am J Ophthalmol 70:991-4, Dec 70
Malignant change in sphenoid sinus fibrous dysplasia. Townsend GL, et al. Arch Otolaryngol 92:267-71, Sep 70
Notes on a "benign imitator" of malignancy. Shapiro SL. Eye Ear Nose Throat Mon 50:171-4, May 71
Sphenoid sinus plasmacytoma with amyloidosis (a case report). Oza VK, et al. Indian J Cancer 7:326-9, Dec 70
Nucocele of the sphenoidal sinus. Friedmann G. J Laryngol Otol 85:189-97, Feb 71
Sphenoidal mucocoele. Ghosh P, et al. J Laryngol Otol 84:1073-82, Oct 70
[A meningioma of the sella turcica, subdiaphragmatic variety. Exeresis through the transsphenoidal route] Hardy J, et al. Neurochirurgia 15:535-43, Dec 69 (Fre)
[Massive post-traumatic epistaxis due to the rupture of an infraclinoid aneurysm] Papo I, et al. Neurochirurgia 15:283-90, Jul-Aug 69 (Fre)
[Difficult diagnosis of an E.O.A. of the sphenoid sinus] Farnarier G, et al. Rev Otoneuroophtalmol 43:69-74, Mar 71 (Fre)
[Mucocele of the sphenoid sinus and of the posterior ethmoidal labyrinth] Frühwald H, et al. Monatsschr Ohrenheilkd Laryngorhinol 105:25-33, 1971 (Ger)
[Pyocele of the sphenoid sinus] Soyka D. Z Neurol 199:215-23, 1971 (Ger)
[Endonasal transphenoidal removal of hypophyseal tumors under x-ray television screen control] Blagoveshchenskaia NS, et al. Vestn Otorinolaringol 33:73-9, Jan-Feb 71 (Rus)

RADIOGRAPHY

Tumor bulge into the sphenoid sinus. A roentgen sign of parasellar meningioma. Gifford RD, et al. Am J Roentgenol Radium Ther Nucl Med 112:324-8, Jun 71

SURGERY

[Removal of a bullet from the sphenoid sinus of a child] Smirnov NM. Vestn Otorinolaringol 32:108-9, Sep 70 (Rus)

SPHEROCYTES see under ERYTHROCYTES, ABNORMAL (A11)

SPHEROCYTOSIS, HEREDITARY (C9)

see also related ANEMIA, SIDEROBLASTIC (C9)

Sporadic cases of hereditary spherocytosis. Rozier JC Jr. NC Med J 32:136-40, Apr 71
Cardiopulmonary bypass in hereditary spherocytosis: a case report. Moyes DG, et al. Thorax 26:131-2, Jan 71
[Hereditary spherocytosis. Report of 37 cases] Sabrafen JS, et al. Sangre (Barc) 16:7-31, 1971 (Spa)

BLOOD

Hereditary spherocytosis: stability of erythrocytic reduced glutathione and the activity of the related enzymes. Swarup-Mitra S, et al. Bull Calcutta Sch Trop Med 17:69-71, Jul 69
Abnormal membrane protein of red blood cells in hereditary spherocytosis. Jacob HS, et al. J Clin Invest 50:1800-5, Sep 71
A possible new variant of G-6-PD with decreased activity (G-6-PD-Utrecht) in a Dutch family with hereditary spherocytosis. Staal GE, et al. Scand J Haematol 7:401-3, 1970
Alteration of membrane deformability in hemolytic anemias. LaCelle PL. Semin Hematol 7:355-71, Oct 70
Erythrocyte ion transport defects and hemolytic anemia: "hydrocytosis" and "desiccytosis". Nathan DG, et al. Semin Hematol 7:381-408, Oct 70
[Some hemolytic syndromes in the neonatal period] Sondergaard Petersen H. Nord Med 85:967-8, 12 Aug 71 (Dan)

COMPLICATIONS

Genetic intelligence: hereditary spherocytosis and polycystic disease of the kidneys in four members of a family. Chanmugam D, et al. Am J Hum Genet 23:66, Jan 71
[Splenectomy and cholecystectomy in hereditary hemolytic disease at the height of severe hemolytic crisis] Iashanin IuV. Vestn Khir 103:141-2, Aug 69 (Rus)
[Viral hepatitis and hemolytic anemia] Gedikoğlu A, et al. Tip Fak Mecm 32:509-13, 1969 (Tur)

DIAGNOSIS

Case for diagnosis. King FM. Milit Med 135:1020 passim, Nov 70
[Hereditary spherocytosis revealed by an Owren-Gasser syndrome] Duzer A, et al. Sem Hop Paris 47:774-80, 8 Mar 71 (Fre)

DRUG THERAPY

[Atypical hereditary spherocytosis: parallel effects of glucose and cysteine in the autohemolysis test] Gioseffi ON, et al. Sangre (Barc) 15:419-25, 1970 (Spa)

ENZYMOLOGY

A possible new variant of G-6-PD with decreased activity (G-6-PD-Utrecht) in a Dutch family with hereditary spherocytosis. Staal GE, et al. Scand J Haematol 7:401-3, 1970
[A new (?) G6PD-variant with decreased activity in a Dutch family with congenital spherocytosis] Punt K, et al. Ned Tijdschr Geneeskd 114:2202-3, 26 Dec 70 (Dut)

ETIOLOGY

[Current data on the pathogenesis of hereditary spherocytosis (Minkowski-Shauffard's anemia) (review of the literature and personal study)] Kovalev IuR, et al. Probl Gematol Pereliv Krovi 15:34-9, Oct 70 (68 ref.) (Rus)

FAMILIAL & GENETIC

Hypoplastic crisis in hereditary spherocytosis: simultaneous occurrence in separated family members. Pierce LE. South Med J 64:431-4, Apr 71

IMMUNOLOGY

Splenic macrophage interaction with red cells in pyruvate kinase deficiency and hereditary spherocytosis. Bowman HS, et al. Vox Sang 19:168-75, Aug 70

PHYSIOPATHOLOGY

The role of the spleen in congenital spherocytosis. Macpherson AI, et al. Am J Med 50:35-41, Jan 71

SURGERY

[Treatment of constitutional hemolytic jaundice (hereditary spherocytosis)] Gehrmann G. Dtsch Med Wochenschr 96:1195-6, 9 Jul 71 (Ger)

THERAPY

[Splenectomy and cholecystectomy in hereditary hemolytic disease at the height of severe hemolytic crisis] Iashanin IuV. Vestn Khir 103:141-2, Aug 69 (Rus)

SPHINGOLIPIDS see under LIPIDS (D11)

SPHINGOMYELINS (D11)

Electrical characteristics of sphingomyelin bilayer membranes. Kauffman JW, et al. Biophys J 10:1084-9, Nov 70
Radiochemical decomposition of N-14CH3-labeled sphingomyelin. Kanfer JN, et al. Chem Phys Lipids 6:121-4, May 71

BIOSYNTHESIS

The incorporation of ethanolamine and methionine into sphingomyelin in Ehrlich ascites tumor cells. Sinclair AJ. Can J Biochem 49:700-8, Jun 71

BLOOD

Sphingomyelin fatty acid composition in human twins. The effects of genotype, age, and sex. Chin HP. Biochim Biophys Acta 218:407-16, 15 Dec 70
Long-chain bases in the sphingomyelins of bovine serum. Slomiany BL, et al. Biochim Biophys Acta 210:493-5, 8 Sep 70
[Serum phospholipids in several demyelinating diseases of the central nervous system] Vartanian KZ. Zh Nevropatol Psikhiatr 71:193-7, 1971 (Rus)

METABOLISM

Metabolism of phosphatidyl choline, phosphatidyl ethanolamine and sphingomyelin in regenerating rat liver. Fex G. Biochim Biophys Acta 231:161-9, 2 Feb 71
[A case of dyslipidosis with sphingomyelin in adult dyslipidosis] Ganter P, et al. Arch Anat Pathol (Paris) 19:39-48, Mar 71 (Fre)
[Distribution and metabolism of 2 types of sphingomyelins in various zones of the central nervous system] Lastennet A, et al. J Physiol (Paris) 62:Suppl 2:289, 1970 (Fre)

SPICES see under CONDIMENTS (J)

SPIDER BITE see under ARACHNIDISM (C14)

SPIDERS (B1)

Drugs alter web-building of spiders: a review and evaluation. Witt PN. Behav Sci 16:98-113, Jan 71 (33 ref.)
The heartbeat of the spider, Geolycosa missouriensis. Sherman RG, et al. Comp Biochem Physiol 28:529-36, Aug 68
Enemies of Triatoma dimidiata Latreille, 1811 in an endemic area of Chagas' disease in Costa Rica (Hemiptera, Reduviidae). Zeledón R, et al. J Med Entomol 7:722-4, Dec 70
Innervation of the retinal muscles in wolf spiders (Araneae-Lycosidae). Melamed J, et al. J Ultrastruct Res 35:359-69, May 71
Treatment of severe loxoscelism. Special article--case report. Anderson PC. Mo Med 68:609-11 passim, Aug 71
Haemocyanin in a spider. Linzen B, et al. Naturwissenschaften 58:269, May 71
The effect of the venom of the black widow spider Latrodectus mactans tredecimguttatus on the giant neurones of Periplaneta americana. D'Ajello V, et al. Toxicon 9:103-10, Apr 71
Effect of Latrodectus mactans tredecimguttatus venom on sympathetic ganglion isolated in vitro. Paggi P, et al. Toxicon 9:265-9, Jul 71
Loxosceles laeta venom--partial purification. Suarez G, et al. Toxicon 9:291, Jul 71
[Spider infestation through bananas] Schmidt G. Munch Med Wochenschr 113:Suppl 4:3, 22 Jan 71 (Ger)
[Induced resistance of the rabbit to increasing doses of Loxosceles laeta venom] Schenone H, et al. Toxicon 8:285-8, Nov 70 (Spa)

ANALYSIS

Cuticular components of common Indian arachnids and myriapods. Shrivastava SC. Experientia 26:1028-9, 26 Sep 70

ANATOMY & HISTOLOGY

Chemosensitive hairs in spiders. Foelix RF. J Morphol 132:313-33, Nov 70
[Input apparatus of slit sense organs (Cupiennius salei Keys., Araneae)] Barth FG. Z Zellforsch Mikrosk Anat 112:212-46, 1971 (Ger)

GROWTH & DEVELOPMENT

Morphogenesis of the tarsal tissue and the development of the intromittent palpal organs in the wolf-spider Lycosa chaperi (Simon) (Araneida: Lycosidae). Bhatnagar RD, et al. Can J Zool 49:397-400, Mar 71

METABOLISM

Conservation of web proteins in the spider, Araneus diadematus. Peakall DB. J Exp Zool 176:257-64, Mar 71

PHYSIOLOGY

Orientation by jumping spiders in the absence of visual feedback. Land MF. J Exp Biol 54:119-39, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SPINA BIFIDA (C16)

An enquiry into the effect of a spina bifida child upon family life. Freeston BM.
Dev Med Child Neurol 13:456-61, Aug 71
Spina bifida--and the parents. Walker JH, et al.
Dev Med Child Neurol 13:462-76, Aug 71
A case of congenital spina bifida: imprint of the defect of psychic development. Parker B.
Int J Psychoanal 52:307-20, 1971
Studies of the school-age child with meningomyelocele: social and emotional adaptation. Kolin IS, et al.
J Pediatr 78:1013-9, Jun 71
Spina bifida; an ever increasing problem. Waterhouse RA. Nurs Times 66:1646-8, 24 Dec 70
Spina bifida; an ever increasing problem. Waterhouse RA. Nurs Times 66:1646-8, 24 Dec 71
Multidisciplinary approach tomeningomyeloceles. Alsauer FE. NY State J Med 70:2986-90, 15 Dec 70
A model for documentation of spina bifida. Parsch K. Paraplegia 8:82-6, Aug 70
[Spina bifida and malformation of the posterior arch of the dorsolumbar vertebrae] Louyot P, et al.
J Belge Rhumatol Med Phys 24:233-54, Sep-Oct 69 (Fre)
[Spina bifida of the atlas] González-Elipe J, et al.
Rev Clin Esp 117:187-90, 30 Apr 70 (Spa)

COMPLICATIONS

Urinary ascites complicating spina bifida. Howat JM.
Arch Dis Child 46:103-5, Feb 71
The renogram and the renal tract in spina bifida. Cudmore RE, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:24-7, 1970
The defunctioned neurogenic bladder: a clinical study. Eckstein HB, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:46+, 1970
Postnatal echoencephalography in cystic dysraphia. Grumme T, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:78+, 1970
Fractures of the lower limbs in spina bifida cystica: a survey of 44 fractures in 122 children. James CC.
Dev Med Child Neurol [Suppl] 22:Suppl 22:88+, 1970
Arterial hypertension in children with spina bifida cystica and urinary incontinence. Lorger J, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:101+, 1970
Muscle morphology in spina bifida hip deformities. Říllš Z.
Dev Med Child Neurol [Suppl] 22:Suppl 22:137+, 1970
Spina bifida as an obstetric problem. Stark G, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:157+, 1970
Paralysis of hip abductor muscles in spina bifida. Results of treatment by the Mustard procedure. Cruess RL, et al.
J Bone Joint Surg [Am] 52:1364-72, Oct 70
Talectomy for equinovarus deformity in arthrogryposis and spina bifida. Menelaus MB.
J Bone Joint Surg [Br] 53:468-73, Aug 71
The early management of varus feet in myelomeningocele. Walker G.
J Bone Joint Surg [Br] 53:462-7, Aug 71
Spina bifida with associated choristoma of Müllerian origin. Kurman RJ, et al. J Pathol 99:324-7, Dec 69
Deformities of the renal tract associated with spina bifida in rat embryos. Lendon RG, et al.
J Pathol 101:Pxi, Aug 70
Spina bifida occulta causing plantar ulceration. Chaudhury DS. Lepr Rev 41:236-7, Oct 70
A study of the ocular complications of hydrocephalus and meningomyelocele. Clements DB, et al.
Trans Ophthalmol Soc UK 90:383-90, 1970
[Bone lesions complicating meningomyelocele] Tošovský V, et al.
Acta Chir Orthop Traumatol Cech 38:10-3, Feb 71 (Cze)
[22 psoas transplantations by Sharrad's method] Carlioz H, et al.
Rev Chir Orthop 57:Suppl 1:187+, 1971 (Fre)
[Does hip dislocation in meningomyelocele require a special treatment? Apropos of 30 transplantations of the psoas by Sharrard's technic] Parsch K, et al.
Rev Chir Orthop 56:683-96, Oct-Nov 70 (Fre)
[Unusual malformation of the cervico-occipital joint] Géraud J, et al.
Rev Otoneuroophtalmol 40:455-9, Dec 68 (Fre)
[Lipomas of the cauda equina and spina bifida. Apropos of a case] Serre H, et al.
Rhumatologie 22:399-406, Dec 70 (Fre)
[Tumor or excess callus formation? Is proof biopsy justified in all fractures in children with myelodysplasia?] Chakour K.
Arch Orthop Unfallchir 70:292-7, 1971 (Ger)
[The incidence of spina bifida occulta in the healthy and in patients with enuresis. Comparative empirical studies on a possible inerrelationship] Steingrüber HJ, et al.
Dtsch Med Wochenschr 96:21-7, 1 Jan 71 (Ger)
[Urologic problems in children with meningomyelocele] Dettmar H.
Z Urol Nephrol 62:837-9, Nov 69 (Ger)
[Congenital abnormality and dermoid in the lumbosacral region] Betz H, et al.
Zentralbl Neurochir 31:161-5, 1970 (Ger)
[Clinical and surgical findings on various lumbo-sacral abnormalities associated with angiolipoma] Lo Re F, et al. Arch Putti Chir Organi Mov 24:70-85, 1969 (Ita)
[Case of atypical meningomyelocele with a bizarre bone flap] Kawamura H, et al.
Brain Nerve (Tokyo) 23:301-7, Mar 71 (Jap)
[Pyoderma gangrenosum. A case with transition to spino-cellular carcinoma] Thune P, et al.
Tidsskr Nor Laegeforen 91:1220-1, 10 Jun 71 (Nor)
[Pediatric neurology. 5. Hydrocephalus and spina bifida cystica] Hellström B.
Lakartidningen 68:2821-2, 9 Jun 71 (Swe)
[Children with hydrocephalus and spina bifida cystica--a multifaceted group of problems] Hellström B. Nord Med 85:442, 8 Apr 71 (Swe)
[Lipomas of the lumbosacral region associated with spina bifida occulta in adults] Jeličić I, et al.
Lijec Vjesn 92:1147-55, 1970 (Cro)

CONGENITAL

Urinary ascites present at birth associated with lumbosacral myelomeningocele. Wagget J, et al.
J Pediatr Surg 5:473, Aug 70

DIAGNOSIS

Neonatal assessment of the child with a myelomeningocele. Stark GD.
Arch Dis Child 46:539-48, Aug 71
Studies of the school age child with meningomyelocele. I. Physical and intellectual development. Scherzer AL, et al. Pediatrics 47:424-30, Feb 71
[Spina bifida occulta] Reinhardt K.
Dtsch Med Wochenschr 96:967-8, 28 May 71 (Ger)

EMBRYOLOGY

Abnormal growth and tissue tension in paralytic lesions in man. Sharrard WJ. J Anat 107:183, Jul 70

ETIOLOGY

The pathogenesis of spina bifida: a study of the relationship between observation, hypothesis, and surgical incentive. Brocklehurst G.
Dev Med Child Neurol 13:147-63, Apr 71

FAMILIAL & GENETIC

The sex ratio in anencephaly. Timson J.
Genetica 41:457-65, 1970

MORTALITY

Infant mortality from spina bifida, congenitalhydrocephalus, monstrosity, and congenital dseases of the cardiovascular system in England and Wales. Rogers SC, et al.
Ann Hum Genet 34:295-305, Feb 71
Epidemics of anencephaly and spina bifida. Carter MP.
Lancet 1:1303-4, 19 Jun 71

NURSING

Spina bifida: mother-child relationship. Kapke KA.
Nurs Forum 9:310-20, 1970

OCCURRENCE

A study of time-place clustering in anencephaly and spina bifida. Trichopoulos D, et al.
Am J Epidemiol 94:26-30, Jul 71
Natural history of spina bifida cystica and cranium bifidum cysticum. Major central nervous system malformations in South Wales. IV. Laurence KM, et al.
Arch Dis Child 46:127-38, Apr 71
Major malformations of the central nervous system in Hungary. Czeizel A, et al.
Br J Prev Soc Med 24:205-22, Nov 70
Congenital malformations of the central nervous system among Glasgow births 1964-68. Wilson TS.
Health Bull (Edinb) 28:32-8, Oct 70
A study of congenital malformations of the central nervous system among Glasgow births 1964-1968. Wilson TS. Health Bull (Edinb) 29:79-87, Apr 71
Spina bifida in Ireland. Coffey VP.
J Ir Med Assoc 63:343-8, 25 Sep 70
A five year survey in Cork of spina bifida and hydrocephaly. Spellman MP.
J Ir Med Assoc 63:339-42, 25 Sep 70
Epidemics of anencephaly and spina bifida. Carter MP.
Lancet 1:1303-4, 19 Jun 71
Relationship between the influenza pandemic and the epidemic of neurological malformations. Janerich DT.
Lancet 1:1165, 5 Jun 71
Unrecognised epidemic of anencephaly and spina bifida. MacMahon B, et al. Lancet 1:31-3, 2 Jan 71
Unrecognised epidemic of anencephaly and spina bifida. Pleydell MJ. Lancet 1:188, 23 Jan 71
Epidemics of anencephaly and spina bifida.
Lancet 1:689-90, 3 Apr 71
Neural-tube defects: an unrecognized epidemic.
Med J Aust 1:564-5, 13 Mar 71
On neural-tube defects: an epidemiological elicitation of etiological factors. Cnol NW, et al.
Neurology (Minneap) 20:399-400, Apr 70
Spina bifida and the paraplegic service. Gregg TM.
Paraplegia 8:157-61, Nov 70
Anencephaly and spina bifida in Israel. Naggan L.
Pediatrics 47:577-86, Mar 71
[Occult spina bifida] Curtius F.
Dtsch Med Wochenschr 96:709, 16 Apr 71 (Ger)
[Spina bifida occulta] Steingrüber HJ.
Dtsch Med Wochenschr 96:800, 30 Apr 71 (Ger)

PATHOLOGY

Dilatation of the renal tract in children with neurospinal dysraphism. Forbes M, et al.
Arch Dis Child 45:711, Oct 70
The dural sinuses and the veins in the midline of the brain in myelomeningocele. Blaauw G.
Dev Med Child Neurol [Suppl] 22:Suppl 22:12-7, 1970
The structure of the bladder in myelomeningocele: a quantitative histological study of the bladder fundus. Forbes M.
Dev Med Child Neurol [Suppl] 22:Suppl 22:65-8, 1970

PHYSIOPATHOLOGY

Micturition urethrocystography in children with myelomeningocele. A radiologic and clinical investigation. Ericsson NO, et al.
Acta Radiol [Diagn] (Stockh) 11:321-36, May 71
Preliminary studies in nervous conduction through myelomeningocele lesions. Blair A.
Arch Dis Child 45:712, Oct 70
Lack of temperature control in infants with abnormalities of central nervous system. Cross KW, et al. Arch Dis Child 46:437-43, Aug 71
Sweat function in babies with defects of the central nervous system. Foster KG, et al.
Arch Dis Child 46:444-51, Aug 71
Bowel function in myelomeningocele. Scobie WG, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:150+, 1970
Multiple cranial nerve deficits associated with the Arnold-Chiari malformation. Sieben RL, et al.
Neurology (Minneap) 21:673-81, Jul 71
[Method of functional exploration of digestive motility in pediatric surgery] Arhan P, et al.
Ann Chir Infant 12:197-206, May-Jun 71 (Fre)

RADIOGRAPHY

[Cervico-thoracic spina bifida] Roggatz J, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:540-1, Apr 70 (Ger)

REHABILITATION

Future for children with spina bifida. Lister AH.
Lancet 2:982-3, 7 Nov 70
Myelomeningocele birth defect. Habilitation of the child. Bensman A, et al. Minn Med 54:599-604, Aug 71
Use of the reciprocating brace with polyplanar hip hinge on spina bifida children. Gilbertson MP.
Physiotherapy 57:67-8, Feb 71
A reciprocating brace with polyplanar hip hinges used on spina bifida children. Scrutton D.
Physiotherapy 57:61-6, Feb 71
[Deformities of the lower extremities and prosthetic devices in children with myelodysplasia] Chakour K.
Arch Orthop Unfallchir 70:101-7, 1971 (Ger)

SURGERY

Selecting cases of myelomeningocele for surgery. Finlay HV. Br Med J 3:429, 14 Aug 71
Changes in muscle activity following early closure in myelomeningocele. Duckworth T, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:39+, 1970
The impace of total care with special reference to myelodysplasia. Nash DF.
Dev Med Child Neurol [Suppl] 22:Suppl 22:1-11, 1970
The prognostic value of EEG in hydrocephalus after surgical therapy for meningo-myelocele. Förster C, et al.
Electroencephalogr Clin Neurophysiol 30:168, Feb 71
Some unsolved problems in paediatric neurosurgery. Guthkelch AN.
J Neurol Neurosurg Psychiatry 34:104, Feb 71
Reconstruction of the dural canal in myelomeningocele. Case report. Bartal AD, et al.
Plast Reconstr Surg 47:87-9, Jan 71
Closure of large meningomyelocele defects by composite skin-muscle flaps. Desprez JD, et al.
Plast Reconstr Surg 47:234-8, Mar 71
The decision to treat myelomeningocele on the first day of life. Katzen M. S Afr Med J 45:345-9, 27 Mar 71
[Immediate treatment of children suffering from spina bifida cystica] Beks JW, et al.
Neurochirurgie 15:291-8, Jul-Aug 69 (Fre)
[Pre- and postoperative electromyographic results in spina bifida with neurologic disorders] Bonnal J, et al.
Neurochirurgie 15:299-306, Jul-Aug 69 (Fre)
[Course to follow in hydrocephalus and spina bifida in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the newborn] Bonnal J.
Rev Med Liege 24:337-46, 15 Apr 69 (Fre)
[Early orthopedic therapy of the child with cystic spina bifida] Parsch K, et al.
Z Orthop 109:458-67, Jul 71 (Ger)
[Spina bifida cystica. Indications and contraindications for surgical intervention. Prognosis] Migliore A.
Minerva Pediatr 21:2354-60, 15 Dec 69 (Ita)
[Result of the treatment of congenital abnormalities of the central nervous system and its coverings] Gonzalez D, et al. Cir Cir 38:411-36, Jul-Aug 70 (Spa)

THERAPY

Meningomyelocele: the price of treatment. Brocklehurst G. Br Med J 3:429-30, 14 Aug 71
Meningomyelocele: the price of treatment. Lightowler CD. Br Med J 2:385-7, 15 May 71
Coordinated care of the child with spina bifida. Colliss V, et al. Lancet 2:1140-1, 28 Nov 70
Coordinated care of the child with spina bifida. Forrest DM, et al. Lancet 2:934-5, 31 Oct 70

SPINAL ACCESSORY NERVE see ACCESSORY NERVE (A8)

SPINAL CANAL (A2)

Death from a grass seed. Trees AJ.
Vet Rec 87:450, 10 Oct 70
[Stenosis of the cervical canal: its measurement in 50 subjects without any myelopathy] Eyssette M, et al.
J Med Lyon 51:909-15, 5 Apr 70 (Fre)
[Dynamics of infestation of cattle with Hypoderma bovis De Geer, 1776. 2. Occurrence of larvae I in the spinal canal and localization of the grubs in cattle] Hiepe T, et al.
Monatsh Vet Med 24:289-93, 15 Apr 69 (Ger)
[Case of teratoid cyst in the caudal area] Sugiura Y, et al. Orthop Surg (Tokyo) 22:482-4, 1971 (Jap)

ABNORMALITIES

[Measurement of the sagittal diameter of the cervical canal in adults] Babin E.
Sem Hop Paris 46:2739-42, 20 Oct 70 (Fre)
[Significance of the protonic narrowness of the cervical spinal canal for cervical myelopathy. Comparative statistical studies] Lurati M, et al.
Z Neurol 199:46-66, 28 Apr 71 (Ger)

GROWTH & DEVELOPMENT

Growth processes in the lumbar neural arch. Reichmann S, et al.
Z Anat Entwicklungsgesch 133:89-101, 1971

INJURIES

Spontaneous haemorrhage in the spinal canal. Schaake T, et al. J Neurol Neurosurg Psychiatry 33:715-6, Oct 70

PATHOLOGY

Developmental stenosis of a thoracic vertebra resulting in narrowing of the spinal canal. Govoni AF.
Am J Roentgenol Radium Ther Nucl Med 112:401-4, Jun 71

RADIOGRAPHY

Cervical myelopathy caused by narrowing of the cervical spinal canal. The value of x-ray examination of the cervical spinal column in extension. Bechar M, et al. Clin Radiol 22:63-8, Jan 71
[Segmental dilatations of the spinal canal in neurofibromatosis (a case)] Lemaitre G, et al.
J Radiol Electrol Med Nucl 50:340-2, Nov 69 (Fre)
[Measurement of the sagittal diameter of the cervical canal in adults] Babin E.
Sem Hop Paris 46:2739-42, 20 Oct 70 (Fre)

SPINAL CORD (A8)

see also related
CHORDOTOMY (E4)
MYELOGRAPHY (E1)

Development and growth of axonal sprouts from noradrenaline and 5-hydroxytryptamine neurones in the rat spinal cord. Björklund A, et al.
Brain Res 31:21-33, 7 Aug 71
[Case of hemophilia associated with hematomyelia with chief symptom of paraplegia] Matsuoka M, et al.
Naika 26:553-7, Sep 70 (Jap)

ABNORMALITIES

Arteriovenous malformations of the conus medullaris and cauda equina. Decompressive laminectomy. Report of 2 cases. Lombardi V.
Acta Neurol (Napoli) 25:463-7, Jul-Aug 70
Postnatal sequences of myelodysplasia in the rat offspring caused by maternal administration of trypan blue during pregnancy. Hoshino K, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:53-5, 1970
Syndrome of caudal regression and dysrhaphic malformations of the spinal cord. Jelinek R, et al.
Folia Morphol (Praha) 19:58-70, 1971
Abnormalities of the lower spine and spinal cord in Manx cats. Tomlinson BE. J Clin Pathol 24:480, Jul 71
Ethanol induced notochord and spinal cord duplications in the embryo of the zebrafish, Brachydanio rerio. Laale HW.
J Exp Zool 177:51-64, May 71
An outline of iniencephaly. Lee MJ.
Radiography 36:151-6, Jul 70
[Gaseous myelography and myelospinal dysraphies] Crouzet G, et al.
J Radiol Electrol Med Nucl 52:331-4, May 71 (Fre)
[Vascular malformation of the dorso-lumbar region of the spinal cord in a child] Tridon P, et al.
Pediatrie 23:827-35, Oct-Nov 68 (Fre)
[Spinal angiomas, segmentary vascular dysplasia and phacomatosis] Djindjian R, et al.
Rev Neurol (Paris) 124:121-42, Feb 71 (Fre)
[Spinal cord malformations in man] Cserhati M.
Arch Julius Klaus Stift Vererbungsforsch 43:91-113, 1968 (Ger)
[Diastematomyelia (report of a case demonstrated by pneumomyelography)] Bradac GB.
Fortschr Geb Roentgenstr Nuklearmed 114:570-2, Apr 71 (Ger)
[Clinical features and differential diagnosis of the restricted cranial migration of the spinal cord] Matthias FR, et al.
Z Kinderheilkd 108:238-57, 1970 (74 ref.) (Ger)
[Case of exstrophy of the cloaca] Sameshima N, et al.
Shujutsu 25:899-904, Jul 71 (Jap)
[Neural tube closure defects induced by tyrosine overload] Schlack L, et al.
Rev Med Chil 99:129-31, Feb 71 (Spa)

ANALYSIS

Purifications and properties of basic proteins in pig spinal cord and peripheral nerve. Uyemura K, et al.
Biochim Biophys Acta 214:190-7, 27 Jul 70
Neurochemistry of the spinal cord in experimental border disease (hypomyelinogenesis congenita) of lambs. Patterson DS, et al.
J Neurochem 18:883-94, Jun 71
On the possible existence of a new intraneuronal monoamine in the spinal cord of the rat. Björklund A, et al. J Pharmacol Exp Ther 175:525-32, Nov 70
[Level and distribution of various fractions of phospholipids in the spinal cord] Reva AD, et al.
Biull Eksp Biol Med 68:38-40, Nov 69 (Rus)
[Proteolipids of the white substance of different parts of the dog brain, spinal cord and sciatic nerve] Buniatian GKh, et al.
Dokl Akad Nauk SSSR 198:449-52, 1971 (Rus)
[Electrophoretic separation of water-soluble proteins in different areas of lumbar enlargement of the spinal cord] Rybak VI, et al.
Ukr Biokhim Zh 41:121-5, 1969 (Ukr)

ANATOMY & HISTOLOGY

Dendritic organization of the ventral spinal gray matter in the cat. Matsushita M.
Acta Anat (Basel) 76:263-88, 1970
Origin from the spinal cord of motor innervation to uterine horn and corpus uteri in dogs. Mori T.
Acta Obstet Gynecol Scand [Suppl] 18:101-6, Apr 71
Position of the lumbar intumescence of the spinal cord. Jirout J.
Acta Radiol [Diagn] (Stockh) 7:509-11, Nov 68
Corticospinal projections from the pre- and postcentral gyri in the squirrel monkey (Saimiri sciureus). Harting JK, et al. Brain Res 24:322-8, 1 Dec 70
A comparison of dorsal column nuclei and spinal afferents in the European hedgehog (Erinaceus europeaus). Jane JA, et al. Exp Neurol 30:1-17, Jan 71
The normal postnatal development of synaptic end-feet in the lumbosacral spinal cord and of responses in the hind limbs of the albino rat. Steiner DJ.
Exp Neurol 31:337-57, Jun 71
Fiber sorting in the fasciculus gracilis of squirrel monkeys. Whitsel BL, et al.
Exp Neurol 29:227-42, Nov 70
Projections of the subnucleus caudalis of the trigeminal nucleus in the sheep. Roberts PA, et al.
J Comp Neurol 141:273-82, Mar 71
Projection of dorsal column nuclei and spinal cord to brainstem and thalamus in the tree shrew, Tupaia glis. Schroeder DM, et al. J Comp Neurol 142:309-50, Jul 71
Functional neuroanatomy for nurses. 6. The fate of sensory impulses. Hewitt W.
Nurs Times 67:925-7, 29 Jul 71
Functional neuroanatomy for nurses. 3. The gross structure of the central nervous system. Hewitt W.
Nurs Times 67:831-4, 8 Jul 71
Efferent projections of the nucleus caudalis of the spinal trigeminal complex in the cat. Kawamura S. Okajimas Folia Anat Jap 47:377-405, Mar 71
Metamerical topography of the cord and its roots. Benassy J. Paraplegia 8:75-9, Aug 70
Sex difference in the number of the sympathetic neurons in the spinal cord of the cat. Calaresu FR, et al. Science 173:343-4, 23 Jul 71
Supravital staining and fixation of brain and spinal cord by intravascular perfusion. Augulis V, et al.
Stain Technol 46:183-90, Jul 71
Use of gallocyanin as a myelin stain for brain and spinal cord. Augulis V, et al. Stain Technol 46:137-43, May 71
[Elucidation of the function of Reissner's fiber. In vitro binding of noradrenaline, drenaline and serotonin] Ermisch A, et al.
Experientia 26:1319-21, 15 Dec 70 (Ger)
[Neurohistological and fluorescence microscopic studies on the innervation of the glycogen body in birds] Paul E.
Z Zellforsch Mikrosk Anat 112:516-25, 1971 (Ger)
[Caudal neurosecretory system in the sturgeon] Saenko II.
Dokl Akad Nauk SSSR 194:218-21, Sep-Oct 70 (Rus)

BLOOD SUPPLY

Arterial supply of the cervical spinal cord (with special reference to the radicular arteries). Chakravorty BG.
Anat Rec 170:311-29, Jul 71
Transthoracic ligation of intercostal arteries for arteriovenous malformations of the spinal cord. Post KD, et al. Ann Surg 173:152-6, Jan 71
The anterior spinal artery syndrome--a complication of abdominal aortic surgery: report of five cases and review of the literature. Zuber WF, et al.
Ann Surg 172:909-15, Nov 70
Surgery of vascular lesions of the spinal cord with the microsurgical technique. Yaşargil MG.
Clin Neurosurg 17:257-65, 1969
Biological fluorescent substances--indicators of blood supply of cells. Ichev K.
Dokl Bolg Akad Nauk 22:1197-9, 1969
Spinal angiography in scoliosis patients. Keim HA, et al.
J Bone Joint Surg [Am] 53:904-12, Jul 71
Regulation of spinal blood flow under physiological and pathological conditions. Palleske H, et al.
J Neurol Neurosurg Psychiatry 33:716, Oct 70
Percutaneous embolization of spinal cord arteriovenous malformations. Doppman JL, et al.
J Neurosurg 34:48-55, Jan 71
Ischemia in primate spinal cord injury. Locke GE, et al.
J Neurosurg 34:614-7, May 71
Microvasculature of the human spinal cord. Turnbull IM. J Neurosurg 35:141-7, Aug 71
Correction of coarctation of the aorta. Manometric determination of safety during test occlusion. Hughes RK, et al. J Thorac Cardiovasc Surg 62:31-3, Jul 71
The influence of motor activity and sensible excitation on the regional spinal blood flow. Loew F, et al.
Minerva Neurochir 14:305-8, 1970
Vascular disease of the spinal cord. Infante E, et al.
Minn Med 53:1009-17, Sep 70
Vulnerability of human spinal cord in transient cardiac arrest. Gilles FH, et al.
Neurology (Minneap) 21:833-9, Aug 71
Venous infarction of the spinal cord. Hughes JT.
Neurology (Minneap) 21:794-800, Aug 71
Combined arterial and arteriovenous aneurysms of the spinal cord. Herdt JR, et al.
Radiology 99:589-93, Jun 71
Segmental infarction of the spinal cord associated with thrombosis of the abdominal aorta. Allen JP.
Rocky Mt Med J 67:41-4, Dec 70
Excision of spinal cord arteriovenous malformation. Reichman OH, et al. Rocky Mt Med J 68:21-4, Jun 71
The vascularization of the spinal cord--anatomical and pathophysiological aspects. Fazio C, et al.
Vasc Surg 4:245-57, Dec 70
Surgical treatment of vascular tumors and vascular malformations of the spinal cord. Guidetti B.
Vasc Surg 4:179-85, Sep 70
Paraplegia following resection of an abdominal aortic aneurysm. Report of a case of atheromatous embolization to the anterior spinal artery. Reich MP.
Vasc Surg 2:230-4, Dec 68
[Medullar arteriography. Technics and indications] Tavernier MT. Bord Med 3:2434 passim, Oct 70 (Fre)
[Spinal cord angiography] Djindjian R.
J Belge Radiol 54:363-73, May-Jun 71 (Fre)
[Spinal cord vasculature in the cat (Felis domestica). The anterior extramedullary arteries] Maillot C, et al.
J Hirnforsch 12:45-71, 1970 (Fre)
[Current evaluation on selective medullar arteriography] Djindjian R.
J Radiol Electrol Med Nucl 51:588-92, Oct 70 (Fre)
[Opacification of the perispinal network of the cervical region with retrograde humeral arteriography (contribution of subtraction in bidirectionnal seriography)] Labauge R, et al.
J Radiol Electrol Med Nucl 51:592-8, Oct 70 (Fre)
[Spinal angiomas, segmentary vascular dysplasia and phacomatosis] Djindjian R, et al.
Rev Neurol (Paris) 124:121-42, Feb 71 (Fre)
[Medullary arteriovenous aneurysms] Adotti F, et al.
Sem Hop Paris 47:553-8, 20 Feb 71 (Fre)
[An unusual complication of atherosclerosis: spinal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cord softening] Péquignot H, et al.
Sem Hop Paris 47:1135-8, 14 Apr 71 (Fre)
[Malacia of the spinal cord and renal artery embolism as rare complications after aorta prostheses] Mairose UB, et al. Angiologica 7:246-56, 1970 (Ger)
[Changes in the blood supply of the spine in mice following amputation of the forelimbs] Wassilev W, et al. Dokl Bolg Akad Nauk 22:101-4, 1969 (Ger)
[Experimental angiography of the spinal cord] Di Chiro G, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:380-1, Mar 70 (Ger)
[Ultrastructural features of the terminal blood vessel system under various physiological and pathological influences] Itschev K.
Z Mikrosk Anat Forsch 83:305-13, 1971 (Ger)
[Anatomical study of vertebro-radicular vascularization in relation to paralyzing sciatica] Frignani R, et al.
Arch Putti Chir Organi Mov 25:78-84, 1970 (Ita)
[Selective medullary arteriography in the study of an arterio-venous aneurysm of the spinal cord] Smaltino F, et al. Radiol Med (Torino) 55:23-30, Jan 69 (Ita)
[Anterior spinal artery syndrome] Mitobe F, et al.
Naika 27:342-5, Feb 71 (Jap)
[Congenital diffuse phlebectasia of the spinal cord] Eremeeva AS, et al. Arkh Patol 32:75-7, 1970 (Rus)
[Incapsulated receptors of the medulla oblongata and spinal cord arteries] Motavkin PA, et al.
Biull Eksp Biol Med 67:84-7, 1969 (Rus)
[The role of the spinal cord reticular formation in the pathogenesis of ischemic disorders of spinal circulation] Sharapov BI, et al.
Zh Nevropatol Psikhiatr 70:540-5, 1970 (Rus)
[The clinical picture and differential diagnosis of spinal strokes] Subbotin AV, et al.
Zh Nevropatol Psikhiatr 70:824-8, 1970 (Rus)

CYTOLOGY

Cytoplasmic laminated bodies in the spinal cord of the hen. An electron microscopic study. Ahmed MM, et al.
Acta Anat (Basel) 78:91-8, 1971
Early differentiation of the chick embryo spinal cord in organ culture: light and electron microscopy. Lyser KM. Anat Rec 169:45-63, Jan 71
Fluorescent staining of cat motoneurons in vivo with beveled micropipettes. Barrett JN, et al.
Brain Res 18:565-8, 17 Mar 70
Zinc iodide-osmium tetroxide reaction in the spinal cord of goldfish. Dennison ME.
Brain Res 27:357-9, 2 Apr 71
Double-walled exo-endocytosis between synaptic terminals. Estable-Puig JF, et al.
Brain Res 28:172-5, 16 Apr 71
Reticulospinal neurones in the rat. Fox JE.
Brain Res 23:35-40, 29 Sep 70
Changes of neurones dimensions as a possible morphological correlate of their increased functional activity. Geinismann YY, et al.
Brain Res 26:247-57, 5 Mar 71
The effect of tetanus toxin on boutons terminaux. Illis LS, et al. Brain Res 18:283-95, 3 Mar 70
Morphological identification of physiologically defined neurones in the cat spinal cord. Jankowska E, et al.
Brain Res 20:323-6, 3 Jun 70
A morphological and biochemical study of subcellular fractions of the guinea pig spinal cord. Ross LL, et al.
Brain Res 25:103-19, 8 Jan 71
Light and electron microscopy of motoneurons and neuropile in the amphibian spinal cord. Stensaas LJ, et al. Brain Res 31:67-84, 7 Aug 71
An ultrastructural study of the pattern of myelination of preterminal fibers in teleost oculomotor nuclei, electromotor nuclei, and spinal cord. Waxman SG.
Brain Res 27:189-201, 2 Apr 71
Ultrastructural observations on the degeneration of spinal afferents to the nucleus medullae oblongatae centralis (pars caudalis) of the cat. Westman J, et al.
Brain Res 26:395-8, 5 Mar 71
Spinal border cell origin of the ventral spinocerebellar tract. Burke R, et al. Exp Brain Res 12:283-94, 1971
The blockade of bulbospinal inhibition by 5-hydroxytryptamine antagonists. Clineschmidt BV, et al. Exp Brain Res 11:175-86, 1970
An electron microscopic analysis of pyramidal tract termination nn the spinal cord of the cat. Dyachkova LN, et al. Exp Brain Res 12:105-19, 25 Feb 71
Ultrastructural synaptology of Clarke's column. Réthelyi M. Exp Brain Res 11:159-74, 1970
The fine structure of "non-specific" grey matter (laminae V and VII) in the cat spinal cord. Westman J, et al. Exp Brain Res 112:379-88, 26 May 71
Developmental relationship between spinal motoneuron dendrite bundles and patterned activity in the hind limb of cats. Scheibel ME, et al.
Exp Neurol 29:328-35, Nov 70
Reticulospinal fibers of the opossum, Didelphis virginiana. I. Origin. Beran RL, et al.
J Comp Neurol 141:453-65, Apr 71
Reticulospinal fibers of the opossum, Didelphis virginiana. II. Course, caudal extent and distribution. Martin GF, et al. J Comp Neurol 141:467-83, Apr 71
Identification of cholinergic neurones in the spinal cord: an electron histochemical study of choline acetyltransferase. Kása P.
J Physiol (Lond) 210:89P-90P, Sep 70
Histochemical demonstration of cholinergic elements in the ventral horn of the rat spinal cord. Lewis PR, et al. J Physiol (Lond) 210:81P-82P, Sep 70
The cytoarchitectonic study of the spinal cord in the dog. Nakano K. Mie Med J 20:185-226, Jan 71
A structural analysis of spinal interneurons and Renshaw cells. Scheibel ME, et al.
UCLA Forum Med Sci 11:159-208, 1969
The localization of functional groups of interneurons. Willis WD Jr. UCLA Forum Med Sci 11:267-87, 1969
The lateral cervical nucleus in the cat. V. A quantitative evaluation on the bouton- and glia-covered surface area of different LCN-neurons. Westman J.
Z Zellforsch Mikrosk Anat 115:377-87, 1971
[Cytological and cytochemical study of in-vitro cultured nerve cells of the lumbosacral spinal cord of chick embryos] Noel-Courtey B, et al.
Arch Biol (Liege) 81:361-85, 1970 (Fre)
[Size and distribution of mitochondria in the fasciculus gracilis of the spinal cord in cattle] Blume R, et al.
Gegenbaurs Morphol Jahrb 114:47-88, 1969 (Ger)
[Changes in dimensions of the nuclei in satellites of spinal motor neurons during orthodromic electric stimulation] Mats VN.
Dokl Akad Nauk SSSR 190:733-5, 21 Jan 70 (Rus)

DRUG EFFECTS

Blockade of the reticulospinal inhibitory pathway by anaesthetic agents. Frank GB, et al.
Br J Pharmacol 42:328-42, Jul 71
Enhancement by morphine of the central descending inhibitory influence on spinal sensory transmission. Sato M, et al. Eur J Pharmacol 14:60-5, 1971
Locus of action of centrally acting muscle relaxants, diazepam and tybamate. Tseng TC, et al.
J Pharmacol Exp Ther 178:350-60, Aug 71
Effects of nereistoxin and its derivatives on the spinal cord and motor nerve terminals. Chiba S, et al.
Jap J Pharmacol 21:175-84, Apr 71
Effects of fentanyl upon the spinal interneurons activated by A afferent fibers of the cutaneous nerve of the cat. Iwata N, et al.
Jap J Pharmacol 21:413-6, Jun 71
Some actions of anaesthetics on the spinal cord. Whitwam JG. Proc R Soc Med 64:213-4, Feb 71
Effects of ACTH and related polypeptides on spinal cord. Krivoy WA. Progr Brain Res 32:108-19, 1970
[Study of the action of anesthetics on the activity of the dorsal horn cells of the spinal cord] Besson JM, et al.
J Physiol (Paris) 62:Suppl 3:350-1, 1970 (Fre)
[Action of serotonin on cat spinal cord activity] Chanelet J, et al.
J Physiol (Paris) 63:24A, Mar-Apr 71 (Fre)
[Effects of arecoline, scopolamine and myelotomy on the acetylcholine content of the rat spinal cord] Meyer FP, et al.
Acta Biol Med Ger 24:227-30, 1970 (Ger)
[Selective blocking actions of some narcotics on the phasic and tonic motoneurons of the spinal cord of the cat--size principle and drug effect] Sakai Y, et al.
Folia Pharmacol Jap 66:586-99, 20 Sep 70 (Jap)
[Effects of some central muscle relaxants on spinal cord reflex] Yoshino T.
Jap J Anesthesiol 20:127-34, Feb 71 (Jap)
[Histochemical findings on the effects of actinomycin 2703 on the RNA metabolism of spinal motor neurons under conditions of increased functioning] Geinisman Iula, et al. Biull Eksp Biol Med 66:104-7, 1968 (Rus)
[Effect of substances used for neuroleptanalgesia on the synaptic transmission of stimulation in the spinal cord] Rudatov AG.
Farmakol Toksikol 34:10-3, 1971 (Rus)

EMBRYOLOGY

The notochord as an abnormal organizer in production of congenital intestinal defect. Elliott GB, et al.
Am J Roentgenol Radium Ther Nucl Med 110:628-34, Nov 70
Embryonic spinal cord: synchrony and spatial distribution of polyneuronal burst discharges. Provine RR. Brain Res 29:155-8, 4 Jun 71
Development of neural elements in human embryos of four to seven weeks gestation. Windle WF.
Exp Neurol 28:Suppl:44-83, 1970
An anatomical study of the spinal cord in man during the first half of prenatal development. Malínská J, et al. Folia Morphol (Praha) 18:400-13, 1970
[Development of fiber systems of the white substance of the spinal medulla in the chick embryo] Mitolo V.
Boll Soc Ital Biol Sper 45:1572-5, 15 Dec 69 (Ita)

ENZYMOLOGY

Submicroscopic localization of acid phosphatase in the motoneurons of the spinal cord in mice subjected to compulsory work. Jonek J, et al.
Acta Med Pol 12:213-8, 1971
Submicroscopic localization of thiamine pyrophosphatase in spinal cord motoneurons in mice after compulsory work. Jonek J, et al.
Acta Med Pol 12:207-12, 1971
Histochemical study of the metabolism of the ketone bodies in the nervous system. I. Histochemical characteristics of the activity of the D(-)-beta-hydroxybutyric dehydrogenase. Martinez R, et al. Ann Histochim 15:119-30, Apr-Jun 70
Cholinesterase-containing neurones in the spinal cord of the rat. Navaratnam V, et al.
Brain Res 18:411-25, 17 Mar 70
Effect of extrinsic neuronal connections on development of acetylcholinesterase and choline acetyltransferase activity in the ventral half of the chick spinal cord. Burt AM, et al.
Exp Neurol 29:261-10, Nov 70
The post-mortem stability of certain oxidative enzymes in brain and spinal cord. Tyrer JH, et al.
Histochemie 27:21-7, 1971
Triphosphopyridine nucleotide-dependent enzymes in the developing spinal cord of the rabbit. Luine VN, et al. J Neurochem 18:1113-24, Jun 71
A possible histochemical method for the localization of choline acetyltransferase. Hebb C, et al.
J Physiol (Lond) 208:1P-2P, May 70
Cholinesterases and choline acetylase in the spinal cord of the cat. Silver A, et al.
J Physiol (Lond) 210:92P-93P, Sep 70
The effect of enzymatic debridement on scar formation and cavitation in experimental spinal cord transection. Perkins LC, et al.
Neurology (Minneap) 20:1185-7, Dec 70
Histochemical and functional correlations in anterior horn neurons of the cat spinal cord. Campa JF, et al.
Science 171:198-9, 15 Jan 71
[Chemodifferentiation of the spinal cord and spinal ganglion in the rat] Sarrat R.
Histochemie 24:202-13, 1971 (Ger)
[Behavior of acid phosphatase and thiamine pyrophosphatase in spinal cord motor neurons of rat upon exposure to mechanical vibrations] Jonek J, et al. Neuropatol Pol 9:47-52, 1971 (Pol)
[Animal spinal cord cholinesterase activity following x-ray irradiation] Snisar' IA, et al.
Biull Eksp Biol Med 69:47-9, Jun 70 (Rus)
[Phosphorylation connected with oxidation of various substrates in functionally and morphologically different areas of spinal cord] Dvoretskii AI, et al.
Ukr Biokhim Zh 41:191-6, 1969 (Ukr)

GROWTH & DEVELOPMENT

The normal postnatal development of synaptic end-feet in the lumbosacral spinal cord and of responses in the hind limbs of the albino rat. Stelzner DJ.
Exp Neurol 31:337-57, Jun 71
Mass and RNA content of rat spinal anterior horn neurons during postnatal development. Haitia M, et al.
Experientia 26:1069-70, 15 Oct 70
A quantitative study of morphological changes accompanying the initiation and progress of myelin production in the dorsal funiculus of the rat spinal cord. Matthews MA, et al.
J Comp Neurol 142:1-22, May 71
Reflex maturation. Skoglund S.
UCLA Forum Med Sci 11:131-58, 1969

INJURIES

Experimental ultrasonic damage of relevance to ultrasonography. Taylor KJ, et al.
Br J Radiol 44:563, Jul 71

METABOLISM

Transport of fluorescent protein tracer in peripheral nerves. Kristensson K.
Acta Neuropathol (Berl) 16:293-300, 1970
Age-dependant variations in the spread of exogenous proteins in peripheral nerve. Kristensson K, et al.
Acta Pathol Microbiol Scand [A] 79:310-1, 1971
Effect of electrical stimulation and high potassium concentrations on the effux of (14C) glycine from slices of spinal cord. Hopkin J, et al.
Br J Pharmacol 42:215-23, Jun 71
The effect of ACTH on the synthesis of proteins in spinal motoneurones as studied by autoradiography. Jakoubek B, et al. Brain Res 25:133-41, 8 Jan 71
Electron microscopical studies on the lysosomes and the Golgi apparatus in the motoneurons of spinal cords of mice under physiological and pathological conditions. Jonek J, et al. Histochemie 26:28-34, 1971
The influence of formaldehyde fixation time on the rate of nitrous acid deamination of erythrocytes and spinal cord proteins. Lillie RD, et al.
Histochemie 24:156-8, 1970
Effect of stable manganese on the fate of radiomanganese in the rat with special reference to the CNS. Manghani DK, et al.
Indian J Med Res 58:209-15, Feb 70
Topochemical aspects of nucleic acid and protein metabolism within the neuron-neuroglia unit of the spinal cord anterior horn. Pevzner LZ.
J Neurochem 18:895-907, Jun 71
Lactate accumulation in primate spinal cord during

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

circulatory arrest. Feldman RA, et al.
J Neurosurg 34:618-20, May 71
Effects of local hypothermia and tissue oxygen studies in experimental paraplegia. Kelly DL Jr, et al.
J Neurosurg 33:554-63, Nov 70
The fate of intracisternally administered norepinephrine-3H in the brain and spinal cord of the rabbit. Chalmers JP, et al.
J Pharmacol Exp Ther 178:8-19, Jul 71
The uptake of [14C]glycine by slices of mammalian spinal cord. Neal MJ.
J Physiol (Lond) 215:103-17, May 71
Glycine transport from cerebrospinal fluid. Murray JE, et al. Neurology (Minneap) 20:393, Apr 70
Acetylcholine release into the perfused intermeningeal spaces of the cat spinal cord. Edery H, et al. Neuropharmacology 10:239-46, May 71
[Effect of gamma-aminobutyric acid on phosphorylation, associated with oxidation of alpha-ketoglutarate, pyruvate and glutamate in spinal cord structures] Dvoretskif AI, et al.
Biull Eksp Biol Med 70:53-5, Jul 70 (Rus)
[Respiration coupled with phosphorylation in the tissue of the lumbar region of the spinal cord using different substrates] Dvoretskif AI, et al.
Biull Eksp Biol Med 67:60-2, Jun 69 (Rus)
[RNA content of the spinal cord motor neurons during hypokinesis] Gorbunova AV.
Tsitologiia 13:83-7, Jan 71 (Rus)
[Study of acetylcholine system in the spinal cord] Snisar' IA, et al. Ukr Biokhim Zh 42:580-3, 1970 (Ukr)

PATHOLOGY

A note on the neuroglia in normal and tricresyiphosphate (TCP) poisoned hen. Ahmed MM.
Acta Anat (Basel) 77:120-30, 1970
The influence of vibration on ultrastructure of spinal cord motoneurons. Konecki J, et al.
Acta Med Pol 12:219-23, 1971
Pathological changes of the spinal cord after brain death. Schneider H, et al.
Acta Neuropathol (Berl) 18:234-47, 1971
Percutaneous biopsy of vertebrae and ribs. Nordenström B.
Acta Radiol [Diagn] (Stockh) 11:113-21, Mar 71
Ultrastructure of oligodendroglioma of the spinal cord. Garcia JH, et al. Am J Clin Pathol 54:757-65, Nov 70
A somatotopical pattern in the human lateral vestibular nucleus. Loken AC, et al. Arch Neurol 23:350-7, Oct 70
Demonstration of neurofibrillary degeneration induced by anoxia in spinal motor neurons in vitro. Kim SU. Experientia 27:264-5, 15 Mar 71
Demyelination of the posterior and anterior columns of the spinal cord in association with metabolic disturbances. Kott E, et al.
Isr J Med Sci 7:577-80, Apr 71
Ultrastructure of anterior horn motor neurones in the Hirano-Kurland-Sayre type of combined neurological system degeneration. Hughes JT, et al.
J Neurol Sci 13:389-99, Aug 71
[Amyotrophic Lateral Sclerosis and degenerative lesions of the posterior column] Castaigne P, et al.
J Neurol Sci 13:125-35, Jun 71 (Fre)
[Angiodysgenetic myelomalacia (Foix-Alajouanine syndrome)] Ignat'eva EN.
Arkh Patol 32:53-7, 1970 (Rus)
[Fibrosing spinal leptomeningitis (clinico-morphologic study)] Ignat'eve EN.
Zh Nevropatol Psikhiatr 71:178-84, 1971 (Rus)
[The clinical picture and morphology of vascular disorders of the cervical spinal cord] Zharkov VM.
Zh Nevropatol Psikhiatr 71:80-6, 1971 (Rus)

PHYSIOLOGY

Reflex activity in chronic spinal cats. Afelt Z.
Acta Neurobiol Exp (Warsz) 30:129-44, 1970
Corticotrophin release induced by traumatic stress in rats with unilateral spinal cord lesion. Makara GB, et al. Acta Physiol Acad Sci Hung 38:199-203, 1970
Heterosegmental contralateral inhibition in the sacral cord of the cat. García Ramos J.
Acta Physiol Lat Am 20:227-37, 1970
Excitatory and inhibitory propriospinal pathways from lumbo-sacral to cervical segments in the cat. Miller S.
Acta Physiol Scand 80:25A-26A, Dec 70
Sympathetic outflow from spinal cord to splanchnic circulation of the dog. Brooksby GA, et al.
Am J Physiol 219:1429-33, Nov 70
Behavior of dorsal spinocerebellar neurons during sinusoidal muscle stretch. Higgins DC.
Am J Physiol 220:2032-46, Jun 71
Sympathetic unit activity associated with Mayer waves in the spinal dog. Kaminski RJ, et al.
Am J Physiol 219:1768-71, Dec 70
Minimal-gradient requirements of motoneurons during posttetanic potentiation. Ushiyama J, et al.
Am J Physiol 220:1949-55, Jun 71
Pharmacological studies on an elementary model of learning--the fixation of an experience at spinal level. I. Pharmacological reactivity of the spinal cord fixation time. Giurgea C, et al.
Arch Int Pharmacodyn Ther 191:279-91, Jun 71
Pharmacological studies on an elementary model of learning--the fixation of an experience at spinal level. II. Specific shortening of the spinal cord fixation time (SFT) by a brain extract. Giurgea C, et al.
Arch Int Pharmacodyn Ther 191:292-300, Jun 71
Effects of picrotoxin on the spinal reflexes and their post-tetanic potentiations. Tan U.
Arch Int Pharmacodyn Ther 191:243-54, Jun 71
Dissociation of presynaptic and postsynaptic effects produced in the lumbar cord by vestibular volleys. Barnes CD, et al. Arch Ital Biol 108:295-324, Apr 70
Proprioceptive influence on supraspinal descending inhibitory mechanisms. Thoden U, et al.
Arch Ital Biol 109:130-51, Jun 71
A method of stimulating different segments of the autonomic outflow from the spinal column to various organs in the pithed cat and rat. Gillespie JS, et al.
Br J Pharmacol 40:257-67, Oct 70
The sensory and motor role of impulses travelling in the dorsal columns towards cerebral cortex. Wall PD.
Brain 93:505-24, 1970
Characteristics of cervical interneurones which mediate cortical motor outflow to distal forelimb muscles of cats. Asanuma H, et al.
Brain Res 27:79-95, 19 Mar 71
Supraspinal control of the discharge evoked by constant current in the alpha-motoneurones. Baldissera F, et al. Brain Res 25:642-4, 5 Feb 71
Rubrospinal monosynaptic connexion with last-order interneurones of polysynaptic reflex paths. Baldissera F, et al. Brain Res 27:390-2, 2 Apr 71
Unitary responses in somatic relay nuclei during sleep and wakefulness. Benoit O.
Brain Res 31:373-4, 20 Aug 71
Afferent inhibition in the cuneate nucleus of the rhesus monkey. Biedenbach MA, et al.
Brain Res 27:179-83, 19 Mar 71
A study of the synaptic input to Deiters' neurones evoked by stimulation of peripheral nerves and spinal cord. Bruggencate GT, et al.
Brain Res 25:207-11, 8 Jan 71
Presynaptic facilitation: positive dorsal root potentials evoked from brain stem reticular formation in lumbar cord. Chan SH, et al. Brain Res 28:176-9, 16 Apr 71
Presynaptic inhibition of spinal motoneurons. Cook WA Jr, et al. Brain Res 24:521-4, 18 Dec 70
The dorsal columns and attention theory. Gaffan D.
Brain Res 24:553-4, 18 Dec 70
Excitability of cutaneous afferent terminals during habituation and sensitization in acute spinal cat. Groves PM, et al. Brain Res 18:388-92, 3 Mar 70
Mapping the cord of the spinal cat for sympathetic and blood pressure responses. Illert M, et al.
Brain Res 23:274-6, 13 Oct 70
Pyramidal modulation of responses of spinal neurons to natural stimulation of cutaneous receptors. Kasprzak H, et al. Brain Res 24:121-4, 11 Nov 70
Signalling of reciprocal Ia inhibition by the ventral spinocerebellar tract. Lundberg A, et al.
Brain Res 23:109-11, 29 Sep 70
Ascending dorsolateral pathways relaying type I afferent activity. Mann MD, et al.
Brain Res 27:176-8, 19 Mar 71
The lateral respiratory neurones of the medulla: their associations with nucleus ambiguus, nucleus retroambigualis, the spinal accessory nucleus and the spinal cord. Merrill EG. Brain Res 24:11-28, 11 Nov 70
Response properties of units in the dorsal column nuclei of the freely moving rat: changes as a function of behaviour. O'Keefe J, et al.
Brain Res 31:374-5, 20 Aug 71
Excitation and inhibition of reticulospinal neurons by vestibular, cortical and cutaneous stimulation. Peterson BW, et al. Brain Res 27:373-6, 2 Apr 71
Characteristics of two ascending pathways which originate in spinal dorsal horn of Macauco mulatta. Price DD, et al. Brain Res 26:406-10, 5 Mar 71
Cardiovascular responses to hypothalamic, spinal cord and stellate ganglion stimulation. Kim KS, et al.
Cardiology 55:164-77, 1970
Participation of central noradrenergic neurons in arterial baroreceptor reflexes in the rabbit. Chalmers JP, et al. Circ Res 28:480-91, Apr 71
Spinal shock and strychnine convulsions in intact and spinal amphibians and reptiles. Chiarch P, et al.
Comp Biochem Physiol 38:175-81, 1 Jan 71
Reflex response changes of the toad spinal cord to variations in temperature and pH. Tebécis AK, et al.
Comp Biochem Physiol 25:1035-47, Jun 68
Epidural recording of spinal electrogram in man. Shimoji K, et al.
Electroencephalogr Clin Neurophysiol 30:236-9, Mar 71
Modification of spinal transmission by nikethamide. Banna NR. Eur J Immunol 14:397-8, May 71
Effects of prolonged stretch of flexor muscles upon excitability of an extensor reflex arc. Decandia M, et al. Exp Brain Res 12:161-70, 25 Feb 71
Excitability changes of extensor motoneurons and primary afferent endings during prolonged stimulation of flexor afferents. Decandia M, et al.
Exp Brain Res 12:150-60, 25 Feb 71
Functional organization of connexions to the ventral spinocerebellar tract. Lundberg A, et al.
Exp Brain Res 12:295-316, 1971
Function of the ventral spinocerebellar tract. A new hypothesis. Lundberg A. Exp Brain Res 12:317-30, 1971
The action of ammonium on postsynaptic inhibition of cat spinal motoneurons. Lux HD, et al.
Exp Brain Res 11:431-47, 1970
Supraspinal monosynaptic excitation and inhibition of thoracic back montoneurons. Wilson VJ, et al.
Exp Brain Res 11:282-95, 1970
Axonal regeneration and formation of synapses proximal to the site of lesion following hemisection of the rat spinal cord. Bernstein JJ, et al.
Exp Neurol 30:336-51, Feb 71
Long-term alteration of leg position due to shock avoidance by spinal rats. Buerger AA, et al.
Exp Neurol 30:195-211, Feb 71
Spinal compensation of the cerebral release phenomena. Giretti ML. Exp Neurol 30:459-66, Mar 71
Recurrent inhibition and facilitation in the monkey, Macaca mulatta, in relation to spinal shock. McCouch GP, et al. Exp Neurol 29:92-100, Oct 70
The cremasteric reflex in the spinal rat. Tang AH.
Exp Neurol 29:310-6, Nov 70
Antagonism of barbiturate depression of spinal transmission by catechol. Banna NR.
Experientia 26:1330-1, 15 Dec 70
Evidence for a spinal sympathetic regulation of cardiovascular functions. Malliani A, et al.
Experientia 26:965-6, 26 Sep 70
Renshaw inhibition during local spinal cord cooling and warming. Pierau FK, et al.
Experientia 26:978-9, 26 Sep 70
The responses of gastric motility and their location by stimulating the thoracic cord of the dog. Semba T, et al. Hiroshima J Med Sci 19:73-85, Sep 70
Qualitative studies of the phosphorylase, succinic dehydrogenase, adenosine triphosphatase, and glycogen synthetase content of normal, neurogenic, and defunctionalized bladder muscle. Wein AJ, et al.
Invest Urol 8:177-81, Sep 70
Skin conductance responses mediated by the transected human spinal cord. Fuhrer MJ.
J Appl Physiol 30:663-9, May 71
Effects of heating and cooling of the spinal cord on preoptic unit activity. Guieu JD, et al.
J Appl Physiol 29:675-83, Nov 70
Effect of Diazepam on rat spinal reflexes. Nakanishi T, et al. J Neurol Sci 13:189-95, Jun 71
Somatic and visceral receptive field properties of fibers in ventral quadrant white matter of the cat spinal cord. Fields HL, et al.
J Neurophysiol 33:827-37, Nov 70
Excitation and inhibition of Renshaw cells by impulses in peripheral afferent nerve fibers. Ryall RW, et al.
J Neurophysiol 34:242-51, Mar 71
Spinal cord participation in the Cushing reflex in the dog. Meyer GA, et al. J Neurosurg 33:662-75, Dec 70
Lamina-specific suppression of dorsal horn unit activity by nitrous oxide and by hyperventilation. Kitahata LM, et al.
J Pharmacol Exp Ther 176:101-8, Jan 71
Individual mechanisms activated in descending spino-spinal activity in the chloralose anaesthetized cat. Abrahams VC. J Physiol (Lond) 210:175P+, Sep 70
Spino-spinal mechanisms in the chloralose anaesthetized cat. Abrahams VC.
J Physiol (Lond) 215:755-68, Jul 71
A spinal autonomic reflex evoked by congestion of the mesenteric vein. Andrews CJ, et al.
J Physiol (Lond) 213:37P-38P, Mar 71
The effect of urethane on transmission along the dorsal column sensory pathway in the rat. Angel A, et al.
J Physiol (Lond) 208:32P-33P, May 70
Spinal cord and root potentials. Boriand RG, et al.
J Physiol (Lond) 210:166P+, Sep 70
Cutaneous receptive properties of single fibres in the cat's medial lemniscus. Brown AG, et al.
J Physiol (Lond) 211:Suppl:37P+, Dec 70
A comparison of peripheral and rubrospinal synaptic input to slow and fast twitch motor units of triceps surae. Burke RE, et al.
J Physiol (Lond) 207:709-32, May 70
Excitatory and inhibitory afferent inputs to the dorsal column nuclei not involving the dorsal columns. Dart AM, et al. J Physiol (Lond) 211:Suppl:36P+, Dec 70
Post-tetanic hyperpolarization produced by an electrogenic pump in dorsal spinocerebellar tract neurones of the cat. Kuno M, et al.
J Physiol (Lond) 210:839-55, Nov 70
Sensory cells in the spinal cord of the sea lamprey. Martin AR, et al. J Physiol (Lond) 212:65-83, Jan 71
Afferent input to cat spinal cord from forepaw cutaneous nerve fibres. Paul DH, et al.
J Physiol (Lond) 214:47P-49P, Apr 71
Central adaptation in the salamander spinal cord. Stirling VR. J Physiol (Lond) 210:184P+, Sep 70
Group Ia acceleration following stimulation of the ventral roots during gallamine administration. Homma S, et al. J Physiol Soc Jap 33:206-9, Mar 71
Electrical activation of micturition by spinal cord stimulation. Nashold BS Jr, et al.
J Surg Res 11:144-7, Mar 71
Permanent longitudinal electric polarization and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

pyroelectric behaviour of collagenous structures and nervous tissue in man and other vertebrates. Athenstaedt H. Nature (Lond) 228:830-4, 28 Nov 70
GABA and prolonged spinal inhibition. Curtis DR, et al. Nature [New Biol] 231:187-8, 9 Jun 71
The action of bemegride on presynaptic inhibition. Banna NR, et al. Neuropharmacology 9:553-60, Nov 70
Spinal shock and reflex behaviour in man. Guttmann L. Paraplegia 8:100-16, Aug 70
An outline of recent work on the spinal cord of the cat. Phillips CG. Paraplegia 8:86-100, Aug 70 (10 ref.)
Spinal cord and hypothalamus as core sensors of temperature in the conscious dog. I. Equivalence of responses. Jessen C, et al. Pfluegers Arch 324:189-204, 1971
Spinal cord and hypothalamus as core sensors of temperature in the conscious dog. 3. Identity of functions. Jessen C, et al. Pfluegers Arch 324:217-26, 1971
Spinal cord and hypothalamus as core sensors of temperature in the conscious dog. II. Addition of signals. Jessen C, et al. Pfluegers Arch 324:205-16, 1971
Spinal mediation of vasomotor reflexes in animals with intact brain studied by electrophysiological methods. Khayutin VM, et al. Pfluegers Arch 321:197-222, 1970
Thermoregulatory adjustments of skin blood flow in chronically spinalized dogs. Walther OE, et al. Pfluegers Arch 322:323-35, 1971
Studies on the ascending pathways from the thermosensitive region of the spinal cord. Wünnenberg W, et al. Pfluegers Arch 321:233-41, 1970
Some properties of deafferented spinal neurons. Loeser J. Proc Annu Clin Spinal Cord Inj Conf 16:9-11, 1967
Unit activity in the isolated spinal cord of chick embryo, in situ. Sharma SC, et al. Proc Natl Acad Sci USA 66:40-7, May 70
Histochemical and functional correlations in anterior horn neurons of the cat spinal cord. Campa JF, et al. Science 171:198-9, 15 Jan 71
Convergence of excitatory and inhibitory action on interneurones in the spinal cord. Lundberg A. UCLA Forum Med Sci 11:231-65, 1969
Spinal cord afferents: functional organization and inhibitory control. Schmidt RF. UCLA Forum Med Sci 11:209-29, 1969
[Effect of stimulation of the sympathetic trunk on liberation of noradrenaline 3H into the rat blood stream: influence of guanethidine, phenoxybenzamine, cocaine and desipramine in vivo] Jacquot C, et al. Arch Int Pharmacodyn Ther 187:245-64, Oct 70 (Fre)
[Effects induced by stimulation of the orbital cortex on the cells of strata IV and V of the dorsal horn of the spinal cord in cats] Maillard MC, et al. C R Acad Sci [D] (Paris) 272:729-32, 1 Feb 71 (Fre)
[Persistent excitability variations of motor neurons of the lumbar cord of the spinal cat as a function of afferent stimulations] Lonchampt P, et al. C R Soc Biol (Paris) 164:711-20, 1970 (Fre)
[Human spinal reflexes and attention levels] Bathien N. Electroencephalogr Clin Neurophysiol 30:32-7, Jan 71 (Fre)
[Long term recovery of motor excitability in the chronic spinal eel] Biancheteau M. J Physiol (Paris) 61:257-63, May-Jun 69 (Fre)
[Longitudinal distribution of spinal cord potentials obtained by adequate cutaneous stimulation in the spinal cat] Bouaziz M, et al. J Physiol (Paris) 1:Suppl 1:94, 1969 (Fre)
[Action of d-tubocurarine injected into motor neuron nuclei of the lumbar spinal cord in the cat] Chanelet J, et al. J Physiol (Paris) 1:Suppl 1:102-3, 1969 (Fre)
[Evoked activities at the lumbar level due to stimulation of nerves of the anterior paw in the spinal cat. II. Activities in the dorsal horns] Djalali E, et al. J Physiol (Paris) 62:Suppl 3:368, 1970 (Fre)
[Evoked activities at the lumbar level by stimulation of nerves of the anterior paw in the spinal cat. I. Activities in the ventral horns] Djalali E, et al. J Physiol (Paris) 62:Suppl 3:367, 1970 (Fre)
[Depolarization of somesthetic afferents at the level of the Burdach nucleus induced by stimulation of the vago-aortic trunk] Gahery Y, et al. J Physiol (Paris) 1:Suppl 1:130-1, 1969 (Fre)
[Suppression of bulbar inhibition of electrodermal responses by ventral section of the spinal cord] Granger L, et al. J Physiol (Paris) 62:Suppl 2:281, 1970 (Fre)
[Thermoregulatory responses evoked by thermal stimulations of the anterior hypothalamus and spinal ord in waking rabbits] Guieu JD, et al. J Physiol (Paris) 62:Suppl 2:283, 1970 (Fre)
[Effects of the ablation of different cortical areas on variations of amplitude of the P wave of spinal cord potential during different wakefulness and sleep states] Ménetrey D, et al. J Physiol (Paris) 62:Suppl 3:413, 1970 (Fre)
[Relations between discharges of certain spinal interneurons and dorsal radicular potentials] Rivot JP, et al. J Physiol (Paris) 62:Suppl 3:440, 1970 (Fre)
[The nervous control of peripheral venous constriction at the beginning of exercise. Comparative study in normal man and in paraplegia due to section of the dorsal spinal cord] Bidart Y, et al. Pathol Biol (Paris) 19:13-9, Jan 71 (Fre)
[Importance of cervical spinal cord structures in the production of heat while averting coldness] Berge G, et al. Acta Biol Med Ger 24:657-72, 1970 (Ger)
[Excitation of Renshaw cells by reflex discharge of alpha-motoneurons] Haase J, et al. Pfluegers Arch 325:14-27, 1971 (Ger)
[Spinal sympathetic control of cardiac functions] Malliani A. Atti Accad Fisiocrit Siena [Med Fis] 17:1347-67, 1968 (Ita)
[Dissociation of presynaptic and postsynaptic responses produced in the lumbar spinal cord by vestibular stimuli] Barnes GD, et al. Boll Soc Ital Biol Sper 46:203-6, 28 Feb 70 (Ita)
[Control of gastric motility by the thoracic cord] Senba T, et al. Brain Nerve (Tokyo) 23:679-84, Jun 71 (Jap)
[Longitudinal conduction systems serving spinal and brainstem coordination-spino-bulbo-spinal reflex] Shimamura M. J Physiol Soc Jap 33:225-33, Apr 71 (24 ref.) (Jap)
[Supraspinal control over segment centers of muscle antagonists in man. I. Reflectory excitability of muscle antagonist motor neurons during voluntary movement] Kots IaM. Biofizika 14:167-72, Jan-Feb 69 (Rus)
[Cerebellar influence on the reticulo-spinal neurons during locomotion] Orlovskiĭ GN. Biofizika 15:894-901, Sep-Oct 70 (Rus)
[Antagonistic nature of the descending effects of medial and lateral hypothalamic nuclei on the excitation of spinal cord motor neurons] Chubakov AR. Biull Eksp Biol Med 70:22-4, Nov 70 (Rus)
[The effect of prolonged stimulation of afferent fibers on changes in efferent biopotentials in frogs] Darinskiĭ IuA. Biull Eksp Biol Med 65:10-2, 1968 (Rus)
[Functional isolation as a principle of nervous system activity (descending and contralateral effect of defensive reflexes of the extremities on spinal mechanisms)] Frankshteĭn SI, et al. Biull Eksp Biol Med 68:13-5, Nov 69 (Rus)
[The effect of electrostimulation of areas of the medulla and spinal cord on restoration of the function of the respiratory center following clinical death] Gurvich NL, et al. Biull Eksp Biol Med 66:17-9, Nov 68 (Rus)
[Effect of morphine on the activity of neuronal elements of the dorsal region of the spinal cord dorsal horn] Ignatov IuD. Biull Eksp Biol Med 70:71-5, Nov 70 (Rus)
[The effect of stimulating various parts of the brain stem on the reflex activity of a group of extensor spinal cord motor neurons] Ignatov IuD. Biull Eksp Biol Med 65:3-7, May 68 (Rus)
[Chemosensitivity of dorsal root fibers to potassium ions and the hypothesis of the peripheral mechanism of pain] Khaiutin VM, et al. Biull Eksp Biol Med 69:3-6, Mar 70 (Rus)
[The spino-bulbo-spinal response in unanesthetized rats] Semagin VN. Biull Eksp Biol Med 65:7-11, Apr 68 (Rus)
[Synaptic effects on frog motor neurons during stimulation of the spinal cord dorsal roots and dorsal columns] Shiriaev BI. Biull Eksp Biol Med 71:6-10, May 71 (Rus)
[Spinobulbospinal and propriospinal reflexes during natural sleep and wakefulness in cats] Smolin LN. Biull Eksp Biol Med 72:9-12, Jul 71 (Rus)
[The effect of nembutal on arterial pressure reactions evoked by stimulation of the hypothalamus, medulla oblongata and lateral horns of the spinal cord] Tsyrlin VA. Biull Eksp Biol Med 65:62-5, 1968 (Rus)
[Synaptic processes in spinal neurons monosynaptically activated by the pyramidal tract] Vasilenko DA, et al. Biull Eksp Biol Med 63:20-5, Nov 67 (Rus)
[Afferent influences from the anterior extremities on the spontaneous activity of intercalated neurons of the spinal cord lumbar region] Adamovich NA, et al. Dokl Akad Nauk SSSR 184:493-6, Jan 69 (Rus)
[Changes in the dimensions of motor and sensory spinal cord neurons and the surrounding glial cells under different conditions of motor activity] Brumberg VA. Dokl Akad Nauk SSSR 184:1231-4, 11 Feb 69 (Rus)
[Contralateral inhibition of reflex reactions at the level of spinal cord intercalated neurons] Evdokimov SA, et al. Dokl Akad Nauk SSSR 184:1235-8, 11 Feb 69 (Rus)
[Variation in the reflex responses of the spinal cord of frogs registered in the filaments of the anterior radix under the influence of antidromous stimulation of the adjacent anterior radix] Galashina AG, et al. Dokl Akad Nauk SSSR 190:1250-3, 11 Feb 70 (Rus)
[Presynaptic nature of the extinction by tetanus toxin of postsynaptic inhibition] Gushchin IS, et al. Dokl Akad Nauk SSSR 187:685-8, 21 Jun 69 (Rus)
[Properties of corticospinal and afferent synaptic effects on lumbar motor neurons of the monkey] Shapovalov AI, et al. Dokl Akad Nauk SSSR 192:694-7, 21 May 70 (Rus)
[Time dispersion in afferent pathways and realization of vasomotor reflexes in spinal preparations] Sonina RS, et al. Dokl Akad Nauk SSSR 198:483-5, 1971 (Rus)
[Fixation of monosynaptic reflex asymmetry in the spinal cord induced by removal of half the cerebellum] Tikhomirova LI. Dokl Akad Nauk SSSR 185:229-32, Mar-Apr 69 (Rus)
[[Electron microscopic study of motor neurons during prolonged activation of afferent fibers] Zamoskovskiĭ EM, et al. Dokl Akad Nauk SSSR 198:475-8, 1971 (Rus)
[State of the human spinal cord segmentary apparatus during cyclic voluntary movements] Baranov-Kryiov IN. Fiziol Zh SSSR 56:1396-404, Oct 70 (Rus)
[Effect of caudal sections of the spinal cord on the excitability of respiratory muscle motor neurons] Frankshteĭn SI, et al. Fiziol Zh SSSR 56:874-6, 1970 (Rus)
[Evoked neuron impulse activity in the spinal cord dorsal horn] Ignatov IuD. Fiziol Zh SSSR 56:867-73, 1970 (Rus)
[Analysis of the functional organization of suprasegmental-spinal connections] Val'dman AV, et al. Fiziol Zh SSSR 56:1386-95, Oct 70 (Rus)
[The influence of muscle fatigue on electrically evoked human spinal cord responses] Shabanov AI. Nerv Sist 9:120-6, 1968 (Rus)
[Excitability of muscle and brain and their sorption of dyes during hyperpolarization] Andriainen OA, et al. Tsitologiia 11:354-9, 1969 (Rus)
[Human spinal reflex influences under static work conditions] Kurbatov VI, et al. Zh Vyssh Nerv Deiat 20:1310-2, Nov-Dec 70 (Rus)
[Afferent intercentral connections of the cerebellar cortex] Bratus' NV, et al. Fiziol Zh 16:257-64, Mar-Apr 70 (Ukr)
[Device for fixing the pectoral vertebra in microelectrode study of the pulse of respiratory neurons of the spinal cord of animals] Krakovich VD. Fiziol Zh 17:271-2, Mar-Apr 71 (Ukr)

PHYSIOPATHOLOGY

The effects of experimental demyelination on conduction in the central nervous system. McDonald WI, et al. Brain 93:583-98, 1970
Pain reactivity of monkeys after lesions to the dorsal and lateral columns of the spinal cord. Vierck CJ Jr, et al. Exp Brain Res 13:140-58, 1971
The monosynaptic spinal cord reflex activity changes in stuttering. Lašťovka M. Folia Phoniatr (Basel) 22:129-38, 1970
Effect of a demyelinating lesion on conduction in the central nervous system studied in single nerve fibres. McDonald WI, et al. J Physiol (Lond) 207:53P-54P, Apr 70
Ankle clonus--an autonomous central pace-maker? Walsh EG. J Physiol (Lond) 212:38P-39P, Jan 71
Elicitation of scratching movements by mechanical stimulation to spinal cord in decerebrate cats. Huang CC, et al. Jap J Physiol 20:365-9, Aug 70
Hemorrhagic shock and central nervous functions: spinal and spino-bulbo-spinal reflexes. Mori S, et al. Surgery 68:870-7, Nov 70
Demyelinative lesions in spinal cord of mouse following neonatal thymectomy. An electron microscopic study. Field EJ, et al. Z Neurol 198:93-104, 1970
[Changes in the electromyograms of the skeletal muscles of sensitized animals following the application of antigen to the muscles and spinal cord] Ado AD, et al. Biull Eksp Biol Med 63:52-6, Nov 67 (Rus)
[Morphofunctional characteristics of the state of spinal motor neuron synapses in tetanus intoxication] Gefnisman Iula, et al. Biull Eksp Biol Med 63:71-5, Nov 67 (Rus)
[Hyperpolarizing effect of glycine on tetanus motor neurons] Gushchin IS, et al. Biull Eksp Biol Med 70:29-32, Aug 70 (Rus)
[Reflex excitability of human spinal motor neurons under conditions of temporary ischemic "deafferentation"] Kots IaM. Biull Eksp Biol Med 66:32-7, Sep 68 (Rus)
[Spinal cord dorsal potentials in rats with the convulsive syndrome in ascending tetanus] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 70:25-9, Aug 70 (Rus)
[The mechanism of the disruption of spinal cord neuron electrical activity in experimental botulism] Mikhailov VV, et al. Biull Eksp Biol Med 66:24-7, Nov 68 (Rus)
[Segmental and suprasegmental mechanisms of the protection phenomenon at the thoracic level of the spinal cord] Sergeeva LN, et al. Biull Eksp Biol Med 69:44-7, Apr 70 (Rus)
[Functional changes in the nervous system following sensitization with brain tissue antigen] Tsibul'kin AP, et al. Biull Eksp Biol Med 67:52-4, Jun 69 (Rus)
[The influence of impulsation from a focus of inflammation on reciprocal inhibition] Ul'ianina NN. Biull Eksp Biol Med 66:39-41, Aug 68 (Rus)
[State of the inhibitory processes in the spinal cord in experimental thyrotoxicosis] Gol'ber LM, et al. Dokl Akad Nauk SSSR 196:987-9, 1 Feb 71 (Rus)
[The nature of the initial inhibition of spinal cord reflexed in circulatory disorders] Kosheleva GG. Nerv Sist 10:37-44, 1969 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIATION EFFECTS

Radiation myelopathy in relation to oxygen level. Coy P, et al. Br J Radiol 44:705-7, Sep 71
Spinal cord dosimetry in 131-I-IHSA cisternography. Harbert JC, et al. J Nucl Med 11:534-41, Sep 70
[Post-radiotherapy myelopathies during Hodgkin's disease. Apropos of 4 cases] Castaigne P, et al. Rev Neurol (Paris) 123:369-86, Dec 70 (Fre)
[X-ray irradiation in syringomyelia. Catamnestic studies with simultaneous consideration of the question of irradiation tolerance of the spinal cord] Hallen O, et al.
Strahlentherapie 139:527-31, May 70 (Ger)
[Radiation damage in medulla sinalis] Pleym Solheim O. Nord Med 84:1634, 17 Dec 70 (Nor)
[Vvedenskii's frequency pessimum following spinal cord irradiation and in the compensation period] Semagin VN.
Doki Akad Nauk SSSR 197:1452-5, 21 Apr 71 (Rus)
Cervical myelopathies caused by radiation. Report of 3 cases] Figini HA, et al.
Prensa Med Argent 57:1755-8, 13 Nov 70 (Spa)
[Cholinesterase activity in spinal cord in radiation sickness] Snisar' IA, et al.
Ukr Biokhim Zh 42:469-71, 1970 (Ukr)

RADIOGRAPHY

[Radiocinematography of the dural sac] Fournier AM, et al. Ann Radiol (Paris) 13:705-11, 1970 (Fre)

SECRETION

Thr release of 14C-glycine from electrically stimulated rat spinal cord slices. Hopkin JM, et al.
Br J Pharmacol 40:136P+, Sep 70

SURGERY

Method of chronic isolation of spinal cord segment in the adult cats. Afelt Z.
Acta Neurobiol Exp (Warsz) 31:219-26, 1971
Recent advances in neurological surgery. Fox JL. Med Ann DC 40:88-91, Feb 71
Preliminary observations of the regeneaative potentials of the spinal cord aftet cryogenic surgery. Pinner-Poole B, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:1-5, 7 Nov 66
Assessment of the structure of pathways of vegetative spinal reflexes commissural myelotomy. Sourek K. Rev Czech Med 17:105-6, 1971
[Clinical experience with bipolar electrocoagulation at the level of the brain stem and spinal cord] Koos W, et al. Neurochirurgie 15:253-62, Jul-Aug 69 (Fre)
[Myelosurgery] Chigasaki H.
Surg Ther (Osaka) 24:296-306, Mar 71 (16 ref.) (Jap)
[Diagnosis in myelosurgery] Miyazaki Y.
Surg Ther (Osaka) 24:282-95, Mar 71 (97 ref.) (Jap)

TRANSPLANTATION

[Heterotopic homoplastic transplantation of spinal cord segments in the adult newt. Phenomena of degeneration and regeneration] Margotta V, et al.
Arch Biol (Liege) 80:347-68, 1969 (Fre)
[Value of spinal cord transposition in the treatment of paraplegia due to kyphosis and kyphoscoliosis] Galibert P, et al.
Therapeutique 47:487-92, May 71 (Fre)
[Further observations on autoplastic and homoplastic transplants of spinal medulla in adult tritons] Margotta V, et al.
Acta Embryol Exp (Palermo) 2:151-62, 1970 (Ita)
[A new hope for the neurosurgeons: transplantation of the spinal cord] Del Pozzo CU.
Minerva Med 62:Suppl 25:25-6, 30 Mar 71 (Ita)

SPINAL CORD COMPRESSION (C10, C14)

COMPLICATIONS

Intermittent claudication of neurospinal origin. Silver RA, et al. Bull Soc Int Chir 29:284-94, Sep-Oct 70
[Value of spinal cord transposition in the treatment of paraplegia due to kyphosis and kyphoscoliosis] Galibert P, et al.
Therapeutique 47:487-92, May 71 (Fre)
[A case of Klippel-Trenauney-Weber syndrome with arteriovenous fistula in the region of the dorsal vertebrae and spinal cord compression] Krayenbühl H, et al.
Neurochirurgia (Stuttg) 13:228-32, Nov 70 (Ger)
[Extralesion symptoms in the course of spinal compression] Granieri U.
Rass Int Clin Ter 49:1086-96, 15 Sep 69 (Ita)

DIAGNOSIS

Value of polyphasic potentials in diagnosis of lumbar root lesions. Hoover BB, et al.
Arch Phys Med Rehabil 51:546-8, Sep 70
[The consequence of local vascular disorders in the clinical picture of spinal cord injury] Gapeeva LS.
Zh Nevropatol Psikhiatr 70:984-8, 1970 (Rus)

DRUG THERAPY

[On the neuromuscular block caused by intra-arterial injection of acetylcholine. Effects of preliminary treatment with ACTH] Pinelli P, et al.
Riv Neurol 40:203-12, Jul-Aug 70 (Ita)

ETIOLOGY

Hereditary multiple exostoses. Report of a case with spinal cord compression. Vinstein AL, et al.
Am J Roentgenol Radium Ther Nucl Med 112:405-7, Jun 71
Stenosis of the lumbar spinal canal and sciatic claudication. A study of 29 cases, thirteen of which were operated upon. Auquier L, et al.
Ann Rheum Dis 29:691-2, Nov 70
Cervical osteomyelitis complicating pharyngeal resection. Biller HF, et al.
Arch Otolaryngol 94:165-8, Aug 71
Osteochondroma of the cervical spine causing cord compression. Thomas ML, et al.
Br J Radiol 44:549-51, Jul 71
Spinal cord compression in polyostotic fibrous dysplasia. Mathew NT, et al.
Can J Surg 14:228-30, May 71
Spinal compression. (Analysis of 200 cases). Rao SB, et al. J Assoc Physicians India 18:1009-13, Dec 70
A case of alkaptonuric ochronosis producing spinal cord compression. Srinivasan V, et al.
J Assoc Physicians India 19:49-51, Jan 71
Spinal subdural hematoma in a leukemic child. Wolcott GJ, et al. J Pediatr 77:1060-2, Dec 70
Vitamin-D-resistant osteomalacia as a cause of cord compression. Highman JH, et al.
Q J Med 39:529-37, Oct 70
[Spinal cord compression of tumoral origin] Brion S, et al.
J Radiol Electrol Med Nucl 52:50-1, Jan-Feb 71 (Fre)
[Erosive aneurysm of the aortic arch] Buchet R, et al.
J Radiol Electrol Med Nucl 51:645-6, Nov 70 (Fre)
[Spinal cord compression by an intra-dural hydatid cyst (apropos of a case)] Baurand C, et al.
Mars Med 107:921-2, 1970 (Fre)
[Radicular-spinal cord compression with spinal genesis in a female patient with achondroplasia] Stroobandt G, et al. Neurochirurgie 16:295-306, Jul-Aug 70 (Fre)
[Intracranial multiform glioblastomas of a young subject, manifesting themselves originally by a lower radiculospinal compression] Thierry A, et al.
Neurochirurgie 15:545-55, Dec 69 (Fre)
[Pseudotumoral forms of lumbar disk hernias] Sicard A, et al. Presse Med 78:2453-6, 26 Dec 70 (Fre)
[Probable medullary softening due to compression of occupational origin (carrying a load on the shoulder)] Charbonnel A, et al.
Rev Neurol (Paris) 122:371-5, May 70 (Fre)
[Spinal cord compression by vertebro-epidural cavernous angiomas] Lefèvre JP, et al.
Rev Neuropsychiatr Infant 16:841-6, Oct-Nov 68 (Fre)
[Radicular compression due to tabetic arthropathies of the spine] Serre H, et al.
Rev Rhum Mal Osteoartic 37:525-33, Aug-Sep 70 (Fre)
[Cauda equina syndrome of diskal origin in rheumatologic practice] Serre H, et al.
Sem Hop Paris 46:3302-10, 8 Dec 70 (Fre)
[Paramedullary angioma with cervical spinal cord compression] Steimle R, et al.
Sem Hop Paris 47:1242-7, 20 Apr 71 (Fre)
[Significance of the protonic narrowness of the cervical spinal canal for cervical myelopathy. Comparative statistical studies] Lurati M, et al.
Z Neurol 199:46-66, 28 Apr 71 (Ger)
[Osteophytes compressing the sympathetic trunks and the splanchnic nerves in the thorax and abdomen] Nathan H. Harefuah 78:51-5, 15 Jan 70 (Heb)
[Multiple posterior protrusions of the intervertebral disks] Lo Monte G.
Arch Putti Chir Organi Mov 25:65-77, 1970 (Ita)
[Medullary compressions caused by epidural metastases. (Indications for surgical treatment)] Sanguinetti C. Chir Patol Sper 17:29-49, Feb 69 (Ita)
[Medullary neurological manifestations in the course of malignant lymphogranuloma] Cognazzo A, et al.
Minerva Med 61:2027-33, 19 May 70 (Ita)
[Spinal cord compression due to herniated thoracic intervertebral disks] Iwata K, et al.
Brain Nerve (Tokyo) 22:843-9, Jul 70 (Jap)
[Results of surgical treatment of tuberculous spondylitis complicated by lesions of the spinal cord] Malawski S. Gruzlica 39:25-31, 1971 (Pol)
[Transpharyngeal anterior atlanto-axial spondylodesis for old fractures of the odontoid process of the axis and compression of the spinal cord] Osna AI. Vopr Neirokhir 35:39-41, Mar-Apr 71 (Rus)
[Nontraumatic spinal cord compressions] Paniagua JL.
Rev Clin Esp 117:51-62, Apr 70 (Spa)

RADIOGRAPHY

[Opaque myelography in medullary and radicular compressions] Babin E, et al.
J Radiol Electrol Med Nucl 51:546-8, Oct 70 (Fre)
[Preliminary experience with transomatic cervical phlebography in the diagnosis of dervical compression] Fortuna A, et al.
Minerva Neurochir 13:75-8, 1969 (Ita)

SURGERY

Transthoracic vertebral surgery. Cook WA.
Ann Thorac Surg 12:54-68, Jul 71
Role of surgery in the treatment of spinal cord compression by metastatic neoplasm. White WA, et al.
Cancer 27:558-61, Mar 71
["Containing-contained" syndromes: apropos of osseous acute contraction of the lumbar spinal canal, complication of discoidectomies with osseous grafts. Trends in experimental research] Boussens J.
Bord Med 3:2301-2 passim, Oct 70 (Fre)
[A case of curable metastatic paraplegia] Benhamou G, et al. Presse Med 78:1896, 17 Oct 70 (Fre)
[Significance of medullary transposition in the treatment of paraplegia due to kyphosis and kypho-scoliosis] Galibert P, et al.
Sem Hop Paris 46:2998-3003, 14 Nov 70 (Fre)

THERAPY

Treatment of spinal cord compression in Hodgkin's disease. Silverberg IJ, et al. Cancer 27:306-13, Feb 71
The treatment of extradural spinal cord compression. Raichle ME, et al. Neurology (Minneap) 20:391, Apr 70

VETERINARY

Hemilaminectomy and dorsal laminectomy for relieving compressions of the spinal cord in the dog. Gage ED, et al.
J Am Vet Med Assoc 152:351-9, 15 Feb 68

SPINAL CORD DISEASES (C10)

Spinal extradural cyst. Ramamurthi B, et al.
J Indian Med Assoc 55:417-8, 16 Dec 70
Spinal arachnoid diverticula. Stewart DH Jr, et al.
J Neurosurg 35:65-70, Jul 71
Vascular disease of the spinal cord. Infante E, et al.
Minn Med 53:1009-17, Sep 70
[Subdural effusions in infants] Alcardi J, et al.
Arch Fr Pediatr 28:233-47, 1971 (Fre)
[Japanese myelo-opticoneuropathy]
Presse Med 7:1068, 8 May 71 (Fre)
[Postoperative medullary syndrome following inferior lumbar discoidectomy] Werner A.
Schweiz Arch Neurol Neurochir Psychiatr 107:291-8, 1970 (Fre)
[Spontaneous spinal epidural hematoma in a 22-month-old infant] Amyot R, et al.
Union Med Can 98:1302-6, Aug 69 (Fre)
[Primary and neurogenic skeletal muscle diseases or paralysis with marked disturbances of cardiac rhythm] Sterz H, et al.
Z Kreislaufforsch 60:1-13, Jan 71 (Ger)
[Orthopedic disorders in disability evaluation for social courts of justice] Biehl G, et al.
Z Orthop 108:277-86, Sep 70 (Ger)
[On the relationship between Devic's optic neuromyelitis and multiple sclerosis. Apropos of a clinical case] Carucci G, et al.
Riv Neurobiol 15:780-7, Oct-Dec 69 (Ita)
[Softening of the spinal medulla. Considerations deduced from examination of anatomo-clinical cases from the literature] Fazio C, et al.
Sist Nerv 21:330-42, Nov-Dec 69 (Ita)
[Case of intramedullary tuberculoma] Stepień A, et al.
Neuropatol Pol 9:161-4, 1971 (Pol)
[Werdnigg-Hoffmann disease in the light of our personal observations] Holendzki Z, et al.
Pediatr Pol 46:338-44, Mar 71 (Pol)
[Spinal cord cysticercosis] Arseni C, et al.
Neurol Psihiatr Neurochir 16:1-8, Jan-Feb 71 (Rum)
[Acute hematogenic osteomyelitis of the spine] Starovoĭt VV. Klin Med (Mosk) 47:116-20, Sep 69 (Rus)
[Suppurative changes of the spinal cord. (report of 3 cases and review of the theme)] Barcia Mariño C.
Rev Esp Otoneurooftalmol Neurocir 28:269-77, 1969-70 (Spa)
[Spinal cord localization of Behcet's disease (report of a case)] Tangör A, et al.
Tip Fak Mecm 32:694-701, 1969 (Tur)

CHEMICALLY INDUCED

Focal experimental demyelination in the central nervous system. McDonald WI, et al.
Brain 93:575-82, 1970
Motor neurone disease and exposure to lead. Campbell AM, et al.
J Neurol Neurosurg Psychiatry 33:877-85, Dec 70
Spontaneously remitting spinal epidural hematoma in a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

patient on anticoagulants. Harik SI, et al.
N Engl J Med 284:1355-7, 17 Jun 71
[Incidences of cerebrospinal fluid movements in complications caused by hydrosolubles in radiography] Fournier AM, et al.
J Radiol Electrol Med Nucl 51:449-51, Jun-Jul 70 (Fre)
[Spinal epidural hematoma in anticoagulant therapy] Jost F, et al.
Dtsch Med Wochenschr 95:2350, 13 Nov 70 (Ger)
[Neurosurgical aspects of central nervous system hemorrhages due to anticoagulants] Lévy A, et al.
Dtsch Med Wochenschr 96:1043-8, 11 Jun 71 (Ger)
[Neurologic complications in anticoagulant therapy] Gehrmann G. Med Welt 9:327-9, 27 Feb 71 (Ger)

CLASSIFICATION

[On the nosographic classification of myeloradiculopathies caused by cervical arthrosis] Curti V, et al.
Acta Neurol (Napoli) 26:14-6, Jan-Feb 71 (Ita)
[Classification of vascular disorders of the brain and spinal cord] Shmidt EV, et al.
Zh Nevropatol Psikhiatr 71:3-11, 1971 (Rus)

COMPLICATIONS

Spinal compression. (Analysis of 200 cases). Rao SB, et al. J Assoc Physicians India 18:1009-13, Dec 70
Chronic proximal spinal muscular atrophy. Namba T, et al. J Neurol Sci 11:401-23, Nov 70
Ultrastructure of muscle in infantile spinal muscular atrophy. Roy S, et al. J Neurol Sci 12:219-32, Feb 71
Sciatica caused by sacral-nerve-root cysts. Williams B. Lancet 1:137, 16 Jan 71
Encephalomyelopathy following abdominal symptoms. Epidemiological and follow-up studies, histological changes of Auerbach's plexus, and urinary porphyrin. Maeda K. Mie Med J 19:209-33, Jan 70
Moebius syndrome. Lower motor neuron involvement and hypogonadotrophic hypogonadism. Olson WH, et al. Neurology (Minneap) 20:1002-8, Oct 70
Atlanto-axial subluxation and cervical myelopathy in rheumatoid arthritis. Stevens JC, et al.
Q J Med 40:391-408, Jul 71
Intramedullary cyst formation with progressive gliosis (traumatic syringomyelia) following spinal cord injury. Horenstein S.
Trans Am Neurol Assoc 95:263-6, 1970
[Neurogenic muscular atrophy in children] Hainaut H, et al. Acta Paediatr Belg 23:261-74, 1969 (Fre)
[Association of spinocerebellar degeneration and hypogonadotrophic impuberism in a 28-year-old man] Mattei A, et al.
Ann Med Interne (Paris) 120:583-6, Aug-Sep 69 (Fre)
[Spinal cord compression by an intra-dural hydatid cyst (apropos of a case)] Baurand C, et al.
Mars Med 107:921-2, 1970 (Fre)
[Rhythmic segmental myoclonus of spinal cord origin. Apropos of 2 cases] Castaigne P, et al.
Rev Otoneuroophtalmol 41:241-50, Jul-Aug 69 (Fre)
[Paramedullary angioma with cervical spinal cord compression] Steimle R, et al.
Sem Hop Paris 47:1242-7, 20 Apr 71 (Fre)
[Cervical headache] Gutmann G.
Z Allgemeinmed 47:996-1007, 10 Jul 71 (Ger)
[Case of apparently primary lactic acidosis in a patient with Kugelberg-Welander pseudomyopathic muscular atrophy] Rizzon P, et al.
Minerva Med 61:5677-83, 8 Dec 70 (Ita)
[Acute neurogenic ulcer in patients with acute medullary lesions. Study of 22 cases] Morello A, et al.
Minerva Neurochir 14:45-55, 1970 (Ita)
[Combined spinal and spino-cerebellar sclerosis associated with pituitary dysfunction] Mantovani M, et al. Riv Sper Freniatr 93:152-60, 28 Feb 69 (Ita)
[On an unusual disorder of erect standing position (observation of 3 cases)] Pazzaglia P, et al.
Riv Sper Freniatr 94:450-7, 30 Apr 70 (Ita)
[2 autopsy cases of the spinocerebellar degeneration with cerebral atrophy] Kato Y, et al.
Brain Nerve (Tokyo) 22:1201-8, Oct 70 (Jap)
[Atlas of nervous system diseases. 4. Autopsy case of progressive spinal muscular atrophy] Abe M.
Iryo 25:276-7, Apr 71 (Jap)

DIAGNOSIS

Primary spinal epidural abscess. Baker CJ.
Am J Dis Child 121:337-9, Apr 71
Electromyography of the anal and urethral sphincters in diagnosis of diseases of the cauda equina and of the lumbo-sacral cord. Isch-Treussard C, et al.
Electroencephalogr Clin Neurophysiol 29:533, Nov 70
Spinal abscess. Cutaneous erythema perstans as an alerting sign. Kao CC, et al. JAMA 215:113-5, 4 Jan 71
Threshold of vibratory perception in normal children. Alter M, et al. Minn Med 54:893-5, Sep 71
Clinical pattern of motor neuron disease seen in younger age groups in Madras. Meenakshisundaram E, et al. Neurol India 18:Suppl 1:109+, Dec 70
Motor conduction time of the phrenic nerve in normal subjects and in pathological states: its value for clinical neurological diagnosis. Drechsler B, et al.
Neurology (Minneap) 20:384, Apr 70
[Electromyography of paravertebral muscles; its value in diagnosis of radicular syndromes of the lower extremities] Hamonet C, et al.
Rev Neurol (Paris) 122:429-30, Jun 70 (Fre)
[Electromyography of the anal and urethral sphincters in diagnosis of cauda equina and lumbosacral medullary disorders] Jessel M, et al.
Rev Neurol (Paris) 122:431-4, Jun 70 (Fre)
[Contribution of electromyography to the diagnosis of spondilosic myelopathy] Mamoli A.
Minerva Neurochir 13:35-8, 1969 (Ita)
[Atypical myelosis funicularis diagnosed by way of a 58 Co-labeled vitamin B 12 test] Bieniowa A, et al.
Pol Tyg Lek 26:601-2, 19 Apr 71 (Pol)
[The clinical picture and differential diagnosis of spinal strokes] Subbotin AV, et al.
Zh Nevropatol Psikhiatr 70:824-8, 1970 (Rus)
[The clinical picture and morphology of vascular disorders of the cervical spinal cord] Zharkov VM.
Zh Nevropatol Psikhiatr 71:60-6, 1971 (Rus)
[Otoneurological symptoms in pathological processes in the region of the cervical vertebra and spinal medulla] Andreevski A, et al.
Med Glas 24:182-5, Apr-May 70 (Cro)

ETIOLOGY

The anterior spinal artery syndrome--a complication of abdominal aortic surgery: report of five cases and review of the literature. Zuber WF, et al.
Ann Surg 172:909-15, Nov 70
Infarction of spinal cord. Two cases of selective gray matter involvement secondary to asymptomatic aortic disease. Herrick MK, et al.
Arch Neurol 24:228-41, Mar 71
Delayed myelopathy: a rare complication of severe electrical burns. Holbrook LA, et al.
Br Med J 4:659-60, 12 Dec 70
Subacute combined degeneration of the cord and the production of folic acid by intestinal bacteria. Jaatoul N, et al. Can Med Assoc J 104:407-8 passim, 6 Mar 71
Intraspinal tumors (epidermoid) resulting from lumbar punctures with open needles. McQueen JA, et al.
J SC Med Assoc 67:107-10, Mar 71
Calcification in the posterior longitudinal ligament as a cause of cervical myelopathy. Soo YS, et al.
Med J Aust 1:743-4, 3 Apr 71
Vulnerability of human spinal cord in transient cardiac arrest. Gilles FH, et al.
Neurology (Minneap) 21:833-9, Aug 71
Venous infarction of the spinal cord. Hughes JT.
Neurology (Minneap) 21:794-800, Aug 71
Prolonged post-lumbar puncture cerebrospinal fluid leakage from lumbar subarachnoid space demonstrated by radioisotope myelography. Lieberman LM, et al.
Neurology (Minneap) 21:925-9, Sep 71
Combined arterial and arteriovenous aneurysms of the spinal cord. Herdt JR, et al.
Radiology 99:589-93, Jun 71
[Saccoradiculography with hydrosoluble iodine products in diagnosis of sciatica and lumbosciatica] Buffard P, et al.
J Radiol Electrol Med Nucl 50:541-2, Jul-Aug 69 (Fre)
[Carbon monoxide myelopathy?] Trillet M, et al.
Presse Med 78:1843, 10 Oct 70 (Fre)
[Neurogenic motor syndromes due to medullary ischemia after dorsolumbar fractures] Fayt P, et al.
Rev Chir Orthop 57:13-28, Jan-Feb 71 (Fre)
[Post-radiotherapy myelopathies during Hodgkin's disease. Apropos of 4 cases] Castaigne P, et al.
Rev Neurol (Paris) 123:369-86, Dec 70 (Fre)
[Staphylococcal spondylitis and its neurologic complications] Serratrice G.
Rhumatologie 22:303-4, Oct 70 (Fre)
[An unusual complication of atherosclerosis: spinal cord softening] Péquignot H, et al.
Sem Hop Paris 47:1135-8, 14 Apr 71 (Fre)
[Iatrogenic intraspinal epidermoid cysts in children] Décarie M, et al.
Union Med Can 100:1321-7, Jul 71 (Fre)
[Animal experiment studies on pathological-anatomical and permeability changes following the influence of cold on the rabbit spinal cord] Liebaldt GP, et al.
Neurochirurgia (Stuttg) 14:138-50, Jul 71 (Ger)
[Significance of the protonic narrowness of the cervical spinal canal for cervical myelopathy. Comparative statistical studies] Lurati M, et al.
Z Neurol 199:46-66, 28 Apr 71 (Ger)
[Neurological manifestations in Vitamin B 12 deficiency] Rachmilewitz M.
Harefuah 77:269-71, 1 Oct 69 (Heb)
[Hepatic encephalomyelopathy associated with citrullinaemia] Miyazaki M, et al.
Brain Nerve (Tokyo) 23:19-25, Jan 71 (Jap)
[Autopsy case of leukemic reticulosarcomatosis with abducens nerve palsy and transverse myelopathy] Miyoshi S, et al.
Brain Nerve (Tokyo) 22:1209-17, Oct 70 (Jap)
[Carcinomatous neuropathy associated with undifferentiated carcinoma of the lung] Yoshiki T, et al. Jap J Cancer Clin 16:1195-200, 1970 (Jap)
[Myelomacia and subarachnoid hemorrhage in a case of complete occlusion of the aortic isthmus] Markiewicz M, et al. Pol Tyg Lek 26:599-601, 19 Apr 71 (Pol)
[Characteristics and pathogenesis of spondylogenic myelopathy] Markov DA, et al.
Klin Med (Mosk) 47:111-6, Sep 69 (Rus)
[Damage to the spinal cord in disorders of circulation in the lower portions of the abdominal aorta] Kolomoitseva IP, et al. Sov Med 32:101-6, Sep 69 (Rus)
[The role of the spinal cord reticular formation in the pathogenesis of ischemic disorders of spinal circulation] Sharapov BI, et al.
Zh Nevropatol Psikhiatr 70:540-5, 1970 (Rus)
[Spinal cord lesions in several congenital and acquired diseases of the spine (review of the literature)] Shtul'man DR.
Zh Nevropatol Psikhiatr 70:1418-29, 1970 (201 ref.) (Rus)
Cervical myelopathies caused by radiation. Report of 3 cases] Figini HA, et al.
Prensa Med Argent 57:1755-8, 13 Nov 70 (Spa)
[Medico-legal problems raised by syringomyelia and hematomyelia] Tuero M, et al.
Rev Esp Otoneuroftalmol Neurocir 28:319-22, 1969-70 (Spa)

FAMILIAL & GENETIC

Werdnig-Hoffmann-Wohlfart-Kugelberg-Welander disease. Nosological unity and clinical variability in intrafamilial cases. Ghetti B, et al.
Acta Genet Med Gemellol (Roma) 20:43-58, Jan 71
Dominant spino-pontine atrophy. Report of a family through three generations. Taniguchi R, et al.
Brain 94:349-58, 1971
A new form of heredo-familial spinocerebellar degeneration with slow eye movements (nine families). Wadia NH, et al. Brain 94:359-74, 1971
Ultrastructural and histochemical features of skeletal muscle in the Wohlfart-Kugelberg-Welander syndrome. Adachi M, et al.
J Neurol Sci 13:13-25, May 71
Inherited spinal muscular atrophies. Kerr C.
Minn Med 54:429-30, Jun 71
Spinal muscular atrophy. McLeod JG, et al.
Minn Med 54:457-61, Jun 71
[Hereditary sensory neuropathy (Denny-Brown) (Familial acroosteolysis)] Partsch H.
Wien Klin Wochenschr 82:129-36, 20 Feb 70 (Ger)
[Histological-histochemical studies on muscular changes in pseudomyopathic spinal muscular atrophy (Wohlfart-Kugelberg-Welander)] Heene R.
Z Neurol 198:291-304, 1970 (Ger)
[Pseudomyopathic progressive spinal amyotrophy of adults] Cazzato G.
Acta Neurol (Napoli) 24:341-70, May-Jun 69 (Ita)
[Case of apparently primary lactic acidosis in a subject with Kugelberg-Welander pseudomyopathic muscular atrophy] Rizzon P, et al.
Minerva Med 61:5677-83, 8 Dec 70 (Ita)

HISTORY

[Subacute necrotic myelitis (Foix-Alajouanine disease)--1962. 2] Hirayama K.
Adv Neurol Sci (Tokyo) 14:854-66, Apr 71 (Jap)

IMMUNOLOGY

[Investigation on immunological aspects of paraneoplastic syndromes involving the central nervous system] Mielke F.
Verh Dtsch Ges Pathol 54:297-301, 1970 (Ger)

METABOLISM

Axoplasmic flow in the wobbler mouse mutant. Bird MT, et al. Neurology (Minneap) 20:395-6, Apr 70

PATHOLOGY

Synaptic morphology in the spinal cord of normal and tricresylphosphate (TCP) poisoned hen. An electron microscopic study. Ahmed MM.
Acta Neuropathol (Berl) 17:302-9, 1971
An epithelial cyst of the spinal cord. An electron microscopic study. Hirano A, et al.
Acta Neuropathol (Berl) 18:214-23, 1971
Subacute combined degeneration of the spinal cord. No association with vitamin B12 deficiency. Robertson DM, et al. Arch Neurol 24:203-9, Mar 71
Demyelination of the posterior and anterior columns of the spinal cord in association with metabolic disturbances. Kott E, et al.
Isr J Med Sci 7:577-80, Apr 71
Selective changes in the sizes of red and white muscle fibres in upper motor lesions and Parkinsonism. Edström L. J Neurol Sci 11:537-50, Dec 70
Histological and histochemical changes in skeletal muscle from cases of chronic juvenile and early adult spinal muscular atrophy (the Kugelberg-Welander

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

syndrome). Mastaglia FL, et al.
J Neurol Sci 12:15-44, Jan 71
Galactosamine myelopathy. Koenig H.
J Neuropathol Exp Neurol 30:142, Jan 71
Intramedullary hydatid cyst. Case report. Ley A Jr, et al. J Neurosurg 33:457-9, Oct 70
Ultrastructure of chromatolytic motoneurons in a case of Werdnig-Hoffmann disease. Chou SM, et al. Neurology (Minneap) 20:381, Apr 70
An electron microscopic study of muscle in Werdnig-Hoffmann's disease. Haelst U van.
Virchows Arch [Pathol Anat] 351:291-305, 1970
[Ultrastructure and cellular pathology of medullary lesions induced by aluminum hydroxide] Estable-Puig JF, et al. Laval Med 42:468-81, May 71 (Fre)
[Infantile progressive spinal muscular atrophy. Werdnig-Hoffmann disease] Mohr W, et al.
Med Welt 35:1317-9, 28 Aug 71 (Ger)
[Autopsy case of hematomyelia] Minami S, et al. Naika 28:379-82, 1971 (Jap)
[Angiodysgenetic myelomalacia (Foix-Alajouanine syndrome)] Ignat'eva EN.
Arkh Patol 32:53-7, 1970 (Rus)
[Fibrosing spinal leptomeningitis (clinico-morphologic study)] Ignat'eve EN.
Zh Nevropatol Psikhiatr 71:178-84, 1971 (Rus)

PHYSIOPATHOLOGY

The effects of experimental demyelination on conduction in the central nervous system. McDonald WI, et al. Brain 93:583-98, 1970
Neurological and pneumo-EG examinations in 25 patients with muscle diseases of neurogenic and myogenic nature. Hovstad L.
Electroencephalogr Clin Neurophysiol 30:260, Mar 71
Differences in recruitment order of motor units in phasic and tonic flexion reflex in "spinal man". Grimby L, et al.
J Neurol Neurosurg Psychiatry 33:562-70, Oct 70
Contraction times and fiber types in neurogenic paresis. Buchthl F, et al.
Neurology (Minneap) 21:58-67, Jan 71
[Observations on the variability of the H reflex in patients with spinal cord lesion] Kiwerski J.
Chir Narzadow Ruchu Ortop Pol 36:379-83, 1971 (Pol)
[An electromyographic study of the regulation of urination under normal conditions and in the presence of spinal lesions] Zenkov LR, et al.
Vopr Neirokhir 34:42-7, May-Jun 70 (Rus)

PREVENTION & CONTROL

Correction of coarctation of the aorta. Manometric determination of safety during test occlusion. Hughes RK, et al. J Thorac Cardiovasc Surg 62:31-3, Jul 71
Modification of secondary spread of thermal injury in the central nervous system with systemic hypothermia. Sutton CH, et al.
Trans Am Neurol Assoc 95:316-7, 1970

RADIOGRAPHY

Cervical myelopathy caused by narrowing of the cervical spinal canal. The value of x-ray examination of the cervical spinal column in extension. Bechar M, et al. Clin Radiol 22:63-8, Jan 71
Spinal perineurial and meningeal cysts. Tarlov IM.
J Neurol Neurosurg Psychiatry 33:833-43, Dec 70
Angiography of obstructive vascular disease of the spinal cord. Di Chiro G. Radiology 100:607-14, Sep 71
Arteriographic demonstration of spontaneous spinal subarachnoid hemorrhage. Case report. Janon EA.
Radiology 97:385-8, Nov 70
[Medullary circulatory insufficiency revealed by arteriography of the spinal cord] Houdart R, et al.
Ann Med Interne (Paris) 121:971-4, Nov 70 (Fre)
[Degenerative spinal cord lesions and cervicarthrosis] Delfosse C, et al.
J Belge Radiol 54:355-62, May-Jun 71 (Fre)
[Spinal cord angiography] Djindjian R.
J Belge Radiol 54:363-73, May-Jun 71 (Fre)
[Radiologic exploration in the course of cervicalough the narrowing of the spinal canal] Geindre M, et al.
J Radiol Electrol Med Nucl 51:92-3, Jan-Feb 70 (Fre)
[The gas myelography by lumbar approach] Legré J, et al. J Radiol Electrol Med Nucl 51:576-82, Oct 70 (Fre)
[Tomography with gas myelography, vertebral trauma and intraspinal lesions] Metzger J, et al.
Med Leg Domm Corpor (Paris) 2:58-61, Jan-Mar 69 (Fre)
[Selective arteriography of the cervical spinal cord (technic, normal and pathologic arteriography)] Djindjian R, et al.
Rev Neurol (Paris) 122:321-35, May 70 (Fre)
[Diastematomyelia (report of a case demonstrated by pneumomyelography)] Bradac GB.
Fortschr Geb Roentgenstr Nuklearmed 114:570-2, Apr 71 (Ger)
[Clinical findings on various morphologic changes of the dural canal] Casella E, et al.
Minerva Neurochir 14:114-8, Apr-Sep 70 (Ita)
[Spinal intradural leptomeningeal cysts] Ambrosetto C, et al. Omnia Med Ther 47:583-616, Jul-Sep 69 (Ita)
[Selective medullary arteriography in the study of an arterio-venous aneurysm of the spinal cord] Smaltino F, et al. Radiol Med (Torino) 55:23-30, Jan 69 (Ita)
[A new water-soluble contrast medium for lumbar radiculography: Dimer-X. (Preliminary note on 40 cases)] Calabro' A, et al.
Rass Int Clin Ter 50:1423-8, 30 Nov 70 (Ita)
[Diagnosis in myelosurgery] Miyazaki Y.
Surg Ther (Osaka) 24:283-95, Mar 71 (97 ref.) (Jap)
[Pneumomyelography in the diagnosis and expert opinion on diseases of the spinal cord and spinal column] Pustovoftenko VT.
Voen Med Zh 6:37-8, Jun 70 (Rus)
[Stenosis of the spinal canal at its cervical part] Aito H.
Nord Med 85:938, 5 Aug 71 (Swe)

RADIOTHERAPY

[Radiodermatitis after treatment of neurologic diseases] Dufourmentel C, et al.
Rev Neurol (Paris) 124:76-9, Jan 71 (Fre)

REHABILITATION

[Rehabilitation in neural disorders] Ueda S.
Naika 26:815-22, Nov 70 (Jap)

SURGERY

Intramedullary tuberuloma of the spinal cord. A case with a five year follow-up. Balaparameswararao S, et al. Indian J Med Sci 24:647-9, Oct 70
A new surgical approach in the treatment of hydromyelia and syringomyelia. The embryological basis and the first results. Krayenbühl H, et al.
J R Coll Surg Edinb 16:147-61, May 71
Surgery of the spinal column and cord. Scott M.
Progr Neurol Psychiatry 25:294-301, 1970 (66 ref.)
[Anterior operations in cervicarthrosis and cervical disk hernia] Verbiest H.
Neurochirurgie 16:Suppl 2:91+, May 70 (Fre)
[Angiomas of the spinal cord and their surgical treatment] Houdart R.
Presse Med 79:1533-7, 10 Jul 71 (Fre)
[Therapeutic indications and operative results obtained in a series of 80 myelopathies caused by cervicoarthrosis] Combalbert A, et al.
Sem Hop Paris 47:950-2, 26 Mar 71 (Fre)
[Surgery of cervicovertebral myelopathy] Mori T, et al.
Shujutsu 25:535-43, May 71 (Jap)

THERAPY

[Devic's disease] Mozai T. Naika 27:1472-5, Jun 71 (Jap)

SPINAL CORD INJURIES (C14)

Spinal cord injury. Talbot HS.
Arch Surg 102:539-40, Jun 71
Neurologic birth injuries. 2. Bresnan MJ.
Postgrad Med 49:202-6, Apr 71
EEG patterns in sleep and wakefulness in high spinal cord injuries. Adey WR.
Proc Annu Clin Spinal Cord Inj Conf 16:2-9, 1967
History and program of California PVA. Capson W.
Proc Annu Clin Spinal Cord Inj Conf 16:116-9, 1967
Device for abdominal compression. McCluer S.
Proc Annu Clin Spinal Cord Inj Conf 16:202-6, 1967
[Resuscitation problems in spinal cord injuries] Pantaleoni M.
Acta Anaesthesiol (Padova) 20:1059-82, Nov-Dec 69 (Ita)

CHEMICALLY INDUCED

Pathogenesis of contrast media injury: insights provided by neurotoxicity studies. Margolis G.
Invest Radiol 5:392-406, Nov-Dec 70

CLASSIFICATION

A classification of the functional end-results of injury to the cervical spinal cord. Cheshire DJ.
Paraplegia 8:70-3, Aug 70

COMPLICATIONS

Convulsions of spinal cord origin. Lavy S, et al.
Acta Neurochir (Wien) 23:121-5, 1970
Congenital sensory neuropathy? Bray PF.
Am J Dis Child 120:583-4, Dec 70
Blood pressure in spinal cord injury. Gotshall RA Jr.
Arch Intern Med 127:775, Apr 71
Spinal cord casualties. Magee JH.
Arch Intern Med 127:962, May 71
Concomitant craniocerebral and spinal trauma, with special reference to the cervicomedullary region. Schneider RC. Clin Neurosurg 17:266-309, 1969
Traumatic quadriplegia. A comprehensive review. O'Connor JR, et al.
J Rehabil 37:14-20, May-Jun 71 (49 ref.)
Major abdominal and thoracic trauma associated with spinal cord injury: problems in management. Bricker DL, et al. J Trauma 11:63-75, Jan 71
Incomplete traumatic quadriplegia. A ten-year review. Bosch A, et al. JAMA 216:473-8, 19 Apr 71
The nursing management of acute spinal paraplegia. 1. Pratt R. Nurs Times 67:499-500, 29 Apr 71
The salvage of kidney function. Talbot HS.
Paraplegia 8:199-207, Nov 70
A review of sexual function following spinal cord trauma. Weber DK, et al. Phys Ther 51:290-5, Mar 71
Vasoresection following epididymitis among patients with spinal cord injury. Comarr AE.
Proc Annu Clin Spinal Cord Inj Conf 15:47-52, 7 Nov 66
Transfer of the brachioradialis to enhance wrist extension in spinal cord injury. Freehafer AA, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:60-5, 7 Nov 66
Intestinal obstruction in spinal cord injury patients. Holden EM.
Proc Annu Clin Spinal Cord Inj Conf 15:110-2, 7 Nov 66
The management of the spastic contracted bladder in spinal cord dysfunction. Jousse AT, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:140-51, 7 Nov 66
Some observations on immediate and late prognosis in traumatic paraplegia. Maglio A.
Proc Annu Clin Spinal Cord Inj Conf 16:19-25, 1967
Atresia of the bulbous urethra. Malament M, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:168-72, 1967
Incidence of vesicoureteral reflux in paraplegia as related to the level of injury and the type of urinary drainage. Mihaldzic N, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:136-40, 7 Nov 66
The acute abdomen in spinal cord injury patients. O'Hare JM.
Proc Annu Clin Spinal Cord Inj Conf 15:113-7, 7 Nov 66
Further experience with intermittent catheterization. Walsh JJ.
Proc Annu Clin Spinal Cord Inj Conf 16:134-40, 1967
Traumatic quadriplegia with ectopic ossification. Frankel HL. Proc R Soc Med 64:222-3, Feb 71
Intramedullary cyst formation with progressive gliosis (traumatic syringomyelia) following spinal cord injury. Horenstein S.
Trans Am Neurol Assoc 95:263-6, 1970
[Trophic disorders of nervous origin] Benassy J.
Phlebologie 24:19-28, Jan-Mar 71 (Fre)
[Cutaneous vasomotoricity in paraplegics. Plethysmographic study of 10 patients] Jaeger-Denavit O, et al.
Presse Med 77:1207-9, 26 Jul 69 (Fre)
[Paraplegia in children] Meinecke FW.
Hefte Unfallheilkd 102:133-42, 1970 (Ger)
[Prevention and treatment of bronchopulmonary complications in spinal cord injuries] Mühlbauer L.
Med Welt 44:1905-9, 31 Oct 70 (Ger)
[Dislocated fractures of the cervical spine and their influence on the respiratory and cardiovascular system] Harefuah 79:536-30, 1 Dec 70 (Heb)
[Acute neurogenic ulcer in patients with acute medullary lesions. Study of 22 cases] Morello A, et al.
Minerva Neurochir 14:45-55, 1970 (Ita)
[Study of renal function by means of the isotope renogram in patients with neurogenic bladder caused by spinal cord lesions] Zanollo A, et al.
Minerva Urol 21:48-57, Mar-Apr 69 (Ita)
[Brown Séquard syndrome caused by cervical trauma] Maeno K, et al.
Orthop Surg (Tokyo) 21:1029-34, Nov 70 (Jap)
[Dynamics of urinary tract infections in patients with spinal cord lesions and neurogenic bladder] Tessarowicz J, et al.
Chir Narzadow Ruchu Ortop Pol 35:657-63, 1970 (Pol)
[Syndrome of hemilateral damage of the spinal cord (Brown-Sequard) of vascular origin] Lysiak B, et al.
Neurol Neurochir Pol 5:125-8, 1971 (Pol)
[An electromyographic study of a system of inclusion of trunk and lower extremity muscles in motor activity in patients with full and partial severance of the spinal cord] Nesmeyanova TN, et al.
Biull Eksp Biol Med 69:40-4, Apr 70 (Rus)
[Clinical aspects and therapy of ligamental injuries in injuries of the spine and spinal cord] Bazilevskaia ZB.
Ortop Travmatol Protez 31:16-9, Jun 70 (Rus)
[Case of widespread neurodystrophic ossification] Kushnarevich RL, et al.
Vestn Rentgenol Radiol 45:92-4, Nov-Dec 70 (Rus)
[Urinary infection in paralytics] Bernstein-Hahn L.
Rev Argent Urol Nefrol 39:10-4, Jan-Jun 70 (Spa)

CONGENITAL

A case of spinal cord injury at birth with analgesia and anhidrosis. Nagayama E, et al.
Paediatr Univ Tokyo 18:174-9, Dec 70

DIAGNOSIS

The immediate management of paraplegia. Neurological assessment. Kerr AS.
Ann R Coll Surg Engl 48:20-1, Jan 71

DRUG THERAPY

The use of drugs in the care of spinal cord injury

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

patients. Davenport LF.
Proc Annu Clin Spinal Cord Inj Conf 16:69, 1967

[Intraspinal hydrocortisone in spinal cord contusions] Giammusso V, et al.
Rass Int Clin Ter 49:378-82, 31 Mar 69 (Ita)

ETIOLOGY

Transection of spinal cord. A rare obstetrical complication of cephalic delivery. Shulman ST, et al.
Arch Dis Child 46:291-4, Jun 71

Injuries of the cervical spine with spinal cord involvement (myelic fractures): statistical considerations. Castellano V, et al.
Bull Hosp Joint Dis 31:188-94, Oct 70

Cervical spinal cord hemorrhages in experimental head injuries. Gosch HH, et al. J Neurosurg 33:640-5, Dec 70

Mechanism and pathophysiology of experimentally induced cervicval spinal cord injuries in adult rhesus monkeys. Gosch HH, et al. Surg Forum 21:455-7, 1970

[Brain and spinal cord injuries by electricity] Hirschmann J. Med Welt 12:443-6, 20 Mar 71 (Ger)

HISTORY

[Railway spine and traumatic neuroses--the psyche and the spinal cord] Fischer-Homberger E.
Gesnerus 27:96-111, 1970 (Ger)

IMMUNOLOGY

[Immunological changes in the organism in spinal injuries with damage to the spinal cord] Kaplan AE, et al. Ortop Travmatol Protez 32:9-11, Jan 71 (Rus)

METABOLISM

Ischemia in primate spinal cord injury. Locke GE, et al.
J Neurosurg 34:614-7, May 71

Ossifications and fracture-healing in paraplegia and brain injuries. Benassy J.
Proc Annu Clin Spinal Cord Inj Conf 15:55-60, 7 Nov 66

MORTALITY

A followup study of life expectancy and mortality in traumatic transverse myelitis. Jousse AT, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:198-202, 1967

NURSING

A program of bowel training. Clarke E.
Proc Annu Clin Spinal Cord Inj Conf 15:107-10, 7 Nov 66

Staffing of nursing personnel spinal cord injury service. Cox F.
Proc Annu Clin Spinal Cord Inj Conf 16:111-2, 1967

Placement of spinal cord injury patients in community nursing homes at VA expense. Lukas M.
Proc Annu Clin Spinal Cord Inj Conf 16:107-11, 1967

Genito-urinary nursing care of the spinal cord injury patient at the Long Beach Spinal Cord Injury Center. McCullough JF.
Proc Annu Clin Spinal Cord Inj Conf 16:114-6, 1967

OCCURRENCE

[Accidental injuries of the spinal cord and their sequelae. Review of the literature] Fischer H.
Z Allgemeinmed 46:1080-4, 31 Jul 70 (29 ref.) (Ger)

PATHOLOGY

Ultrasonic damage to spinal cord and the synergistic effect of hypoxia. Taylor KJ. J Pathol 102:41-7, Sep 70

Late degenerative changes in second order spinal neurons following cauda equina injury. Porter RW.
Proc Annu Clin Spinal Cord Inj Conf 16:11-3, 1967

Mechanism and pathophysiology of experimentally induced cervicval spinal cord injuries in adult rhesus monkeys. Gosch HH, et al. Surg Forum 21:455-7, 1970

PHYSIOPATHOLOGY

Blood pressure in patients with spinal cord injury. Kunin CM. Arch Intern Med 127:285-7, Feb 71

Urinary manometry in spinal cord injury patients--preliminary report. Rossier AB, et al.
Br J Urol 42:466-74, Aug 70

Studies of spasticity in man. 4. Changes in flexion reflex with repetitive cutaneous stimulation in spinal man. Dimitrijević MR, et al. Brain 93:743-68, 1970

The effect of complete transection of thoracic spinal cord on cat's electrocorticogram. Lavy S, et al.
Epilepsia 12:117-22, Jun 71

Changes in evoked potentials after experimental cervical spinal cord injury in the monkey. Singer JM, et al. Exp Neurol 29:449-61, Dec 70

Experimental traumatic paraplegia. The vascular and pathological changes seen in reversible and irreversible spinal-cord lesions. Assenmacher DR, et al. J Bone Joint Surg [Am] 53:671-80, Jun 71

Analysis of electrodermal evidence for a paramedullary afferent tract in patients with a transection of the thoracic spinal cord. Fuhrer MJ.
J Neurol Neurosurg Psychiatry 34:281-8, Jun 71

Autonomic hyper-reflexion. Pryor J.
N Engl J Med 285:860, 7 Oct 71

A study on sexual function in 56 male patients with complete irreversible lesions of the spinal cord and cauda equina. Jochheim KA, et al.
Paraplegia 8:166-72, Nov 70

Studies on paraplegia status of lower extremity circulation in traumatic spinal cord lesions. Elis H, et al. Proc Annu Clin Spinal Cord Inj Conf 16:75-6, 1967

Electromyographic evidence of lower motor neuron injury in cervical spinal cord injury. O'Hare JM, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:25-7, 1967

Renal function in patients with spinal cord injuries. Price MM.
Proc Annu Clin Spinal Cord Inj Conf 15:15-20, 7 Nov 66

A study of micturition in patients with cauda equina injury. Scott FB, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:141-5, 1967

[Changes in Thorntest findings in he presence of organic lesions of the spinal cord] Matinian LA, et al.
Zh Eksp Klin Med 7:3-11, 1967 (Rus)

PREVENTION & CONTROL

Fractures of the 2nd cervical vertebra; neurosurgical management. Salmon JH.
Med Trial Tech Q 17:194-200, Dec 70

RADIOGRAPHY

Value of myelography in thoracic spinal cord injuries. Cantu RC. Int Surg 56:23-6, Jul 71

Microangiographic study of experimental spinal injuries in dogs and rabbits. Fairholm D, et al.
Surg Forum 21:453-5, 1970

[Myelographic demonstration of lumbal root avulsions] Langer F.
Fortschr Geb Roentgenstr Nuklearmed 114:566-8, Apr 71 (Ger)

[Roentgendiagnosis of injuries of ligaments and intervertebral joints in injuries of the spine and spinal cord] Bazilevskaia ZV.
Vestn Rentgenol Radiol 45:99-100, Sep-Oct 70 (Rus)

REHABILITATION

Physical rehabilitation of quadriplegic patients. Trigiano LL, et al.
Arch Phys Med Rehabil 51:592-4 passim, Oct 70

Observation and analysis of patient behavior in the rehabilitation hospital. Vineberg SE, et al.
Arch Phys Med Rehabil 52:8-14, Jan 71

A specially adapted mobile standing device (surfboard) for spinal cord injury patients. Eagleson HM Jr, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:29-36, 7 Nov 66

Development of a servo controlled tiltboard using heart rate or blood pressure as feedback controllers. Hamilton LL, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:36-43, 7 Nov 66

A spinal cord injury service. Harris P.
Proc Annu Clin Spinal Cord Inj Conf 16:50-3, 1967

[Physical exercise for patients with spinal cord injuries] Arens W.
Hefte Unfallheilkd 102:275-7, 1970 (Ger)

[Treatment and nursing care of patients with injuries of the spinal cord. Difficulties, neglects and errors] Stoephasius E.
Munch Med Wochenschr 111:2339-43, 7 Nov 69 (Ger)

[Training in planned orthotic care for restoration of prehensile ability in lesions of the cervical medulla] Stöger M, et al. Z Orthop 109:239-43, May 71 (Ger)

SURGERY

Surgical reversal of the effects of long-standing traumatic lesions of the conus medullaris and cauda equina. Landau B, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:27-33, 1967

Posterior dislocation of the L4 body accompanied by massive extrusion of the disc above and below. Myers P.
Proc Annu Clin Spinal Cord Inj Conf 15:89-90, 7 Nov 66

Traumatic paraplegia treated by vertebral resection, excision of spinal cord lesion, suture of the spinal cord, and interbody fusion. Street DM.
Proc Annu Clin Spinal Cord Inj Conf 16:92-102, 1967

[Trial in reconstruction of the completely transected spinal cord--autotransplantation of the cultured cerebellar cortex] Aihara H.
Brain Nerve (Tokyo) 22:769-84, Jul 70 (Jap)

[The status of neurotraumatological service in the Kherson district] Liashchenko MT.
Klin Khir 9:59-61, Sep 69 (Rus)

THERAPY

The diagnosis and early treatment of patients with spinal cord injury. Harris P.
Proc Annu Clin Spinal Cord Inj Conf 16:14-8, 1967

Neurologic injury--responsibilities of the emergency room physician. Mack EW.
Rocky Mt Med J 68:32-4, Mar 71

[Experiences in the treatment of traumatic paraplegia] Schüler KH, et al.
Beitr Orthop Traumatol 16:668-81, Nov 69 (Ger)

[1st results after 1 year's experience at a new spinal cord injury unit in the Murnau emergency hospital] Stoephasius E. Med Welt 44:1900-4, 31 Oct 70 (Ger)

[Rhythmic alternating electrogymnastic apparatus ESD-1 in neurosurgical clinical practice] Khaes LB, et al. Vopr Neirokhir 35:54-6, Mar-Apr 71 (Rus)

VETERINARY

Injury to the cervical spinal cord in the dog. Swaim SF, et al. J Am Vet Med Assoc 158:462-7, 15 Feb 71

SPINAL CORD NEOPLASMS (C2)

Reticulum cell sarcoma of the spinal epidural space. Muggia FM, et al. Ann Intern Med 75:477-8, Sep 71

Malignant lymphoma of the spinal epidural space. Mullins GM, et al.
Ann Intern Med 74:416-23, Mar 71 (61 ref.)

Intraspinal teratoma. Reddy DR, et al.
Neurol India 19:45-7, Mar 71

[Neoplastic diseases of the spinal cord and similar disorders] Cerveňanský J.
Acta Chir Orthop Traumatol Cech 38:55-9, Feb 71 (Cze)

[Intramedullary neurinoma] Duinen MT van.
Ned Tijdschr Geneeskd 115:1070-4, 19 Jun 71 (Dut)

[Meningeal carcinomatosis] Vital C, et al.
Bord Med 3:2927-8 passim, Dec 70 (Fre)

[Dorsolumbal meningeal melanocarcinoma revealed by a prevalent pleural metastasis] Voog R, et al.
J Fr Med Chir Thorac 23:685-94, Sep-Oct 69 (Fre)

[Intermedullary metastasis (apropos of 2 cases)] Barge M, et al. J Med Lyon 50:1683-4 passim, 5 Dec 69 (Fre)

[Pseudoneurinomas] Heitz P.
Minerva Neurochir 13:103-28, 1969 (Fre)

[Lindau's disease. Angioreticuloma of the cerebellum, hemangioma of the terminal cone, syringomyelic syndrome (cervical)] Pecker J, et al.
Presse Med 79:635-6, 20 Mar 71 (Fre)

[On cranio-spinal lipomas. Anatomo-clinical observations on 2 cases with spinal localization] Cognazzo A, et al.
Minerva Med 62:1947-50, 12 May 71 (Ita)

[Spinal metastases from intracranial oligodendroglioma] Reggiani R, et al.
Riv Sper Freniatr 95:331-40, 30 Apr 71 (Ita)

[2 cases of lipoma of the spinal cord together with evaluation of 21 cases reported in Japan] Shiraishi S, et al. Orthop Surg (Tokyo) 21:1043-9, Nov 70 (Jap)

[Intraspinal lipoma (apropos of 4 cases)] Tarcan B, et al. Tip Fak Mecm 32:489-500, 1969 (Tur)

CEREBROSPINAL FLUID

[Current morphologic methods in neurosurgery. IV. Cytology of the cerebrospinal fluid] Mazalton A, et al.
Neurochirurgie 17:Suppl 1:89-122, May 71 (Fre)

CHEMICALLY INDUCED

Experimental carcinogenesis in the nervous system with N-nitroso-compounds. Sehrbundt HJ, et al.
Acta Neurol (Napoli) 25:468-75, Jul-Aug 70

[Experimental rat tumors induced with administration of nitrosourea derivatives. II. Observations on the sterol composition] Grossi-Paoletti E, et al.
Acta Neurol (Napoli) 24:563-4, Jul-Aug 69 (Ita)

[Experimental rat tumors induced with administration of nitrosourea derivatives. I. Morphological and histochemical observations] Schiffer D, et al.
Acta Neurol (Napoli) 24:561-2, Jul-Aug 69 (Ita)

CLASSIFICATION

[Spinal angiomas, segmentary vascular dysplasia and phacomatosis] Djindjian R, et al.
Rev Neurol (Paris) 124:121-42, Feb 71 (Fre)

COMPLICATIONS

Urinary presentation of cauda equina lesions without neurological symptoms. Garfield J, et al.
Br J Urol 42:551-4, Oct 70

Spinal compression. (Analysis of 200 cases). Rao SB, et al. J Assoc Physicians India 18:1009-13, Dec 70

Intraspinal neurilemoma in association with the Rubinstein-Taybi syndrome. Russell NA, et al.
Pediatrics 47:444-7, Feb 71

[Paraplegia in the course of lymphography in a patient with cervical ganglionic reticulosarcoma. (Anatomo-clinical study)] Mikol J, et al.
Ann Med Interne (Paris) 121:355-62, Mar 70 (Fre)

[Meningeal hemorrhage in cerebral and spinal cord ependymoma] Gil R, et al.
Bord Med 4:325-6 passim, Feb 71 (Fre)

[Multiple disembryoplasias, all benign, followed by surgical operations] Thibaut D.
Bull Soc Fr Dermatol Syphiligr 76:160-5, 1969 (Fre)

[Epidural infections (14 cases)] Jacquin-Cotton L, et al.
Bull Soc Med Afr Noire Lang Fr 15:384-90, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Papillary stasis caused by tumor of the cauda equina] Bessière E, et al.
Bull Soc Ophtalmol Fr 69:275-9, Feb 69 (Fre)
[Spinal cord compression of tumoral origin] Brion S, et al.
J Radiol Electrol Med Nucl 52:50-1, Jan-Feb 71 (Fre)
[Osseous repercussions of intraspinal neurinoma] Joyeux O, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:399+, May 69 (Fre)
[Uneradicable cervical spinal cord angioma with pseudo-tumoral symptomatology in a patient with Rendu-Osler disease. Arteriographic study and therapeutic value of multiple ligatures] Hurth M, et al. Neurochirurgie 16:287-94, Jul-Aug 70 (Fre)
[Angioma of the medullary cone with papillary stasis] Iacob M. Neurochirurgie 15:586-90, Dec 69 (Fre)
[Traumatic paraplegia revealing neurinoma of the cauda equina] Steimlé R, et al.
Neurochirurgie 16:432-6, Sep-Oct 70 (Fre)
[Intraspinal pheochromocytoma] Perrin A, et al.
Rev Lyon Med 18:577-80, 15 Oct 69 (Fre)
[Rhythmic segmental myoclonus of spinal cord origin. Apropos of 2 cases] Castaigne P, et al.
Rev Otoneuroophtalmol 41:241-50, Jul-Aug 69 (Fre)
[Lipomas of the cauda equina and spina bifida. Apropos of a case] Serre H, et al.
Rhumatologie 22:399-408, Dec 70 (Fre)
[Clinical and surgical findings on various lumbo-sacral abnormalities associated with angiolipoma] Lo Re F, et al. Arch Putti Chir Organi Mov 24:70-85, 1969 (Ita)
[Acute neurogenic ulcer in patients with acute medullary lesions. Study of 22 cases] Morello A, et al.
Minerva Neurochir 14:45-55, 1970 (Ita)
[Vertebral skeletal changes during myxopapillary ependymoma] Dei Poli N, et al.
Minerva Ortop 21:28-37, Jan 70 (Ita)
[Extralesion symptoms in the course of spinal compression] Granieri U.
Rass Int Clin Ter 49:1086-96, 15 Sep 69 (Ita)
[Scoliosis in the course of paresis or paralysis caused by spinal cord tumors] Wejsflog A.
Chir Narzadow Ruchu Ortop Pol 36:65-9, 1971 (Pol)
[Lipomas of the lumbosacral region associated with spina bifida occulta in adults] Jeličić I, et al.
Lijec Vjesn 92:1147-55, 1970 (Cro)

DIAGNOSIS

Common errors in the diagnosis of herniation of the intervertebral disk. Epstein JA.
Ind Med Surg 39:481-8, Nov 70
Diagnosis and treatment of spinal angiomas. Pia HW.
J Neurol Neurosurg Psychiatry 33:715, Oct 70
Cytological diagnosis of the sarcomas of the C.N.S. by smear technique. Schiffer D, et al.
Minerva Neurochir 15:14-7, 1971
Diagnosis of intraspinal tumors close to the foramen magnum. Prakash B. Nord Med 85:61, 14 Jan 71
Spinal tumours. Shepherd RH.
Rheumatol Phys Med 11:90, May 71
[Von Hippel-Lindau's disease. Medullary hemangioblastomas resembling an arteriovenous malformation] Sachs M, et al.
Neurochirurgie 15:575-82, Dec 69 (Fre)
[Spinal cord metastases simulating a paraneoplastic neurological syndrome during an undiagnosed small cell bronchial cancer] Péquignot H, et al.
Sem Hop Paris 47:1139-41, 14 Apr 71 (Fre)
[Spinal anesthesia in spinal cord tumors] Malatinský J.
Anaesthesiol 19:156, Apr 70 (Ger)
[Clinical and morphological findings in an infiltrating spinal neurinoma] Orf G.
Arch Psychiatr Nervenkr 213:396-407, 1970 (Ger)
[Differential diagnosis: scoliosis--sarcoma of the leptomeninx with paraplegia] Kadner P.
Beitr Orthop Traumatol 17:26-7, Jan 70 (Ger)
[Tumors in the differential diagnosis of non-traumatic paraplegia] Pissarek H, et al.
Beitr Orthop Traumatol 17:4-6, Jan 70 (Ger)
[Cauda equina neurinoma: direction for an early diagnosis] Bazzan A, et al.
Fracastoro 63:750-9, Sep-Oct 70 (Ita)
[Autopsy case of retroperitoneal rhabdomyosarcoma primarily presenting as myelopathy] Iwashita H, et al.
Naika 27:781-4, Apr 71 (Jap)
[Lipomas of the spinal cord] Panichev AF, et al.
Vopr Neirokhir 34:44-7, Nov-Dec 70 (Rus)

DRUG THERAPY

[Transitory clinical remission during administration of dexamethasone in a patient with intraspinal tumor] Kawiak W, et al.
Neurol Neurochir Pol 4:595-7, Sep-Oct 70 (Pol)

ENZYMOLOGY

A histochemical study of alkaline and acid nuclease activity in the human brain compared to the incidence of malignant tumours. Taper HS, et al.
J Neurol Sci 12:369-82, Apr 71

ETIOLOGY

Intramedullary epidermoid tumors of the spinal cord. Report of a case and review of the literature. Alves AM, et al. Int Surg 54:239-43, Oct 70
[Problem of neuroleukosis] Rynskaia LM, et al.
Ter Arkh 42:57-60, Jun 70 (Rus)

OCCURRENCE

A survey of tumors of the central nervous system in Iceland during the 10-year period 1954-1963. Guomundsson KR. Acta Neurol Scand 46:538-52, 1970
Tumors of the nervous system. Incidence and population selectivity. Leibowitz U, et al.
J Chronic Dis 23:707-21, Mar 71
Lipomas of the spinal cord and cauda equina. Rogers HM, et al. J Neurosurg 34:349-54, Mar 71
Neoplasms of the central nervous system: epidemiologic considerations. Percy AK.
Neurology (Minneap) 20:398-9, Apr 70

PATHOLOGY

Ultrastructure of oligodendroglioma of the spinal cord. Garcia JH, et al. Am J Clin Pathol 54:757-65, Nov 70
Primary malignant melanoma of the leptomeninges associated with hypoglycorrhachia. Shuangshoti S, et al. J Med Assoc Thai 54:508-16, Jul 71
Extraneural metastases in ependymoma of the cauda equina. Rubinstein LJ, et al.
J Neurol Neurosurg Psychiatry 33:763-70, Dec 70
Experimental brain tumours induced in rats by nitrosourea derivatives. II. Morphological aspects of nitrosoethylurea tumours obtained by transplacental induction. Grossi-Paoletti E, et al.
J Neurol Sci 11:573-81, Dec 70
Experimental brain tumours induced in rats by nitrosourea derivatives. I. Morphological aspects of methylnitrosourea tumours. Schiffer D, et al.
J Neurol Sci 11:559-72, Dec 70
Ependymomas. A clinical survey. Barone BM, et al.
J Neurosurg 33:428-38, Oct 70
Intramedullary sclerosing astrocytoma of the spinal cord. Case report. Gass H, et al.
J Neurosurg 34:693-6, May 71
Metastasising gliomas in young subjects. Eade OE, et al.
J Pathol 103:245-56, Apr 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 25-1971.
N Engl J Med 284:1427-34, 24 Jun 71
[On "mesoectodermic structure" neoplasms of the spinal marrow] Melis M, et al.
Riv Neurobiol 15:3-20, Jan-Mar 69 (Ita)
[Spinal cord tumor] Omori M, et al.
Jap J Clin Pathol 18:810, Nov 70 (Jap)

RADIOGRAPHY

Sacrococcygeal tumors. Macpherson RI, et al.
J Can Assoc Radiol 21:132-42, Sep 70
[Medullar arteriography. Technics and indications] Tavernier MT. Bord Med 3:2434 passim, Oct 70 (Fre)
[Scoliosis revealing a medullary tumor] Desorgher G, et al. J Radiol Electrol Med Nucl 50:695-8, Oct 69 (Fre)
[Current evaluation on selective medullar arteriography] Djindjian R.
J Radiol Electrol Med Nucl 51:588-92, Oct 70 (Fre)
[Cauda equina syndrome caused by tumoral and diskal compression: contribution of myelographic examination] Jeanmart L, et al.
J Radiol Electrol Med Nucl 51:561-6, Oct 70 (Fre)
[The gas myelography by lumbar approach] Legré J, et al. J Radiol Electrol Med Nucl 51:576-82, Oct 70 (Fre)
[Calcified dorsal meningioma (a case)] Tréheux A, et al. J Radiol Electrol Med Nucl 50:936-7, Dec 69 (Fre)
[Various recent problems in spinal angiography] Djindjian R, et al.
Neurochirurgie 15:471-6, Nov 69 (Fre)
[Angiographic study of a medullary angioma] Bertolino A. Rass Int Clin Ter 50:1411-6, 30 Nov 70 (Ita)

RADIOTHERAPY

Radiation therapy of primary spinal cord neoplasms. Ozarda AT. Mo Med 68:328-30, May 71
[Radiotherapy in the treatment of intradural and extradural spinal cord tumors] Dhermain PM.
J Radiol Electrol Med Nucl 52:52-62, Jan-Feb 71 (Fre)
[Tumors of the spinal cord and spine] Mazabraud A.
J Radiol Electrol Med Nucl 52:48-50, Jan-Feb 71 (Fre)
[On the radiotherapeutic possibilities in medullary neoplasms in relation to the tolerance of the nerve tissue] Macarini N, et al. Cancro 23:49-59, 1970 (Ita)

SURGERY

The surgery of spinal cord tumors. Pool JL.
Clin Neurosurg 17:310-30, 1969
Intramedullary epidermoid tumors of the spinal cord. Report of a case and review of the literature. Alves AM, et al. Int Surg 54:239-43, Oct 70
Spinal neurinoma. A study of fifty surgical cases. Rao SB, et al. Int Surg 54:410-4, Dec 70
Dermoid tumors of the spinal cord. Bailey IC.
J Neurosurg 33:676-81, Dec 70
Angiomyolipoma: long-term cure following radical approach to malignant-appearing benign intraspinal tumor. Report of three cases. Pearson J, et al.
J Neurosurg 33:466-70, Oct 70
Multiple melanotic meningiomas of the cervical cord. Case report. Scott M, et al.
J Neurosurg 34:555-9, Apr 71
Unusual intradural spinal metastasis of a cranial chordoma. Case report. Stough DR, et al.
J Neurosurg 34:560-2, Apr 71
Intramedullary glioblastomas. Fortuna A, et al.
Neurochirurgia (Stuttg) 14:14-23, Jan 71
Intraspinal dermoids. Rao SB, et al.
Neurol India 18:185-8, Sep 70
Surgical treatment of vascular tumors and vascular malformations of the spinal cord. Guidetti B.
Vasc Surg 4:179-85, Sep 70
[Epidermoid and dermoid tumors of the central nervous system] Feldmann H, et al.
Zentralbl Chir 95:696-704, 6 Jun 70 (Ger)
[Total removal of hemangioblastoma of the spinal cord] Saito I, et al. Brain Nerve (Tokyo) 23:13-7, Jan 71 (Jap)
[Surgically treated case of extradural metastasis of cholioepithelioma] Kobayashi M, et al.
Orthop Surg (Tokyo) 22:312-5, Apr 71 (Jap)
[Surgically treated case of intramedullary tumors of the upper neck with an interesting postoperative course] Sato S, et al.
Orthop Surg (Tokyo) 22:51-5, Jan 71 (Jap)
[Rational methods of removing tumors of the spinal cord] Pen'kovoĭ KI.
Ortop Travmatol Protez 31:52-5, Jun 70 (Rus)
[Tumors of the cervical portion of the spinal cord] Bassuri L, et al.
Neurocirugia 28:62-71, Jan-Jun 70 (Spa)

VETERINARY

Clinical and pathological aspects of cervical disc protrusion and primary tumours of the cervical spinal cord in the dog. Palmer AC.
J Small Anim Pract 11:63-7, Jan 70

SPINAL CORD SYPHILIS see TABES DORSALIS

(C1, C10)

SPINAL DISEASES (C3)

Lesions of the cauda equina. Ransohoff J.
Clin Neurosurg 17:331-44, 1969
Ankylosing hyperostosis of the spine. Forestier J, et al.
Clin Orthop 74:65-83, Jan 71
Observations on chronic-ankylosing inflammation of the vertebrae and hip joints. Strumpell EA, et al.
Clin Orthop 74:4-6, Jan 71
Pyogenic infection of the spine. A review of twenty-eight cases. Griffiths HE, et al.
J Bone Joint Surg [Br] 53:383-91, Aug 71
Syphilitic disorders of the spine. Report of two cases. Johns D. J Bone Joint Surg [Br] 52:724-31, Nov 70
[Circumscribed sacroiliitis in pregnancy] Popnikolov S. Akush Ginekol (Sofiia) 9:170-1, 1970 (Bul)
[Isolated cervical eosinophilic granuloma in a child] Bonneville JF, et al. Cah Med 12:641-5, 30 May 71 (Fre)
[3 cases of osseous echinococcosis] Aulong C, et al.
Mem Acad Chir (Paris) 94:237-44, 1968 (Fre)
[Calcifications of intervertebral disks in children. 6 cases] Rosenberg D, et al.
Presse Med 79:92, 16 Jan 71 (Fre)
[Arthroses] Orban F.
Rev Med Liege 25:671-9, 15 Oct 70 (Fre)
[Duration of painful manifestations of spinal osteoarthritis] Boasson M, et al.
Rev Rhum Mal Osteoartic 36:151-60, Apr 69 (Fre)
[Cystic and diverticular formations of the spinal meninges] Braun JP, et al.
Sem Hop Paris 46:2750-4, 30 Oct 70 (Fre)
[Significance of the difference in leg lenght] Bengert O. Z Orthop 108:435-45, Nov 70 (Ger)
[The problem of cervical spine syndrome] Selenfreund M. Harefuah 78:505-7, 15 May 70 (Heb)
[Use of mathematical models in the study of orthopedic anomalies] Dragonetti L.
Arch Ortop Suppl:433-9, 1969 (Ita)
[Sacro-coccigeal echinococcosis] Demartin F.
Chir Organi Mov 57:517-27, 1969 (Ita)
[Osteomyelitis of the spine] Borejko M, et al.
Chir Narzadow Ruchu Ortop Pol 36:45-9, 1971 (Pol)
[Morbidity and work incapacity caused by disk diseases and spondylosis at the Tractor Factory] Florescu F, et al. Med Interna (Bucur) 23:159-62, Feb 71 (Rum)
[Aspects of morbidity and work incapacity caused by disk diseases and spondylosis in workers of the motor truck plant, the Metrom plant and the ICIMBv workshops (Braşov)] Incze A, et al.
Med Interna (Bucur) 23:149-58, Feb 71 (Rum)
[Unusual localizations of hydatidosis. Intraspinal cysts] Arcan P, et al.
Neurol Psihiatr Neurochir 16:37-44, Jan-Feb 71 (Rum)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

Developmental stenosis of a thoracic vertebra resulting in narrowing of the spinal canal. Govoni AF.
Am J Roentgenol Radium Ther Nucl Med 112:401-4, Jun 71

Uncommon causes of sciatica. Maroun FB, et al.
Can Med Assoc J 103:1292-5, 5 Dec 70

The traction spur. An indicator of segmental instability. Macnab I.
J Bone Joint Surg [Am] 53:663-70, Jun 71

The problem of backache. Jayson MI.
Practitioner 205:615-21, Nov 70

Vertebral echinococcosis. Szíva J, et al.
Rom Med Rev 14:47-54, 1970

Blastomycosis of the spine with paraplegia. Osmond JD, et al. S Afr Med J 45:431-4, 17 Apr 71

[Claude Bernard syndrome, so-called Horner's syndrome, and heterochromia with brachio-vertebral dysmorphia caused by osteomyelitis] Paufique L, et al. Bull Soc Ophtalmol Fr 68:501-2, Apr 68 (Fre)

[Chylothorax and Gorham's disease (or regional massive osteolysis)] Touraine R, et al.
J Fr Med Chir Thorac 25:315-26, Apr 71 (Fre)

[Lumbar pain of disk origin] Bonnal J.
Rev Med Liege 25:261-4, 15 Apr 70 (Fre)

[Spinal causes of lumbar pain] Franchimont P.
Rev Med Liege 25:256-61, 15 Apr 70 (Fre)

[Static lumbalgia] Rennotte A.
Rev Med Liege 26:549-53, 15 Aug 71 (Fre)

[Deglutition disorders and cervical arthrosis] Commandre F, et al.
Rhumatologie 21:163-7, May 69 (Fre)

[Therapeutic indications and operative results obtained in a series of 80 myelopathies caused by cervicoarthrosis] Combalbert A, et al.
Sem Hop Paris 47:950-2, 26 Mar 71 (Fre)

[Degenerative changes in the lumbosacral region as the cause of intensive lumbago] Arct WA.
Beitr Orthop Traumatol 17:700-3, 1970 (Ger)

[Relation between degenerative changes of the spine and mentioned complaints] Grieser H.
Beitr Orthop Traumatol 17:677-9, Oct 70 (Ger)

[Degenerative spinal changes and occupational load] Schröter G.
Beitr Orthop Traumatol 17:687-90, Oct 70 (Ger)

[Sacroiliitis, Reiter's disease and spinal rheumatism] Ott VR. Dtsch Med J 20:301-7, 27 May 69 (Ger)

[Cervical headache] Gutmann G.
Z Allgemeinmed 47:996-1007, 10 Jul 71 (Ger)

[Relations beween cervical arthrosis and vertebro-basilar circulation. Clinical and angiographic study] Carella A, et al.
Acta Neurol (Napoli) 24:455-74, May-Jun 69 (Ita)

[On the nosographic classification of myeloradiculopathies caused by cervical arthrosis] Curti V, et al.
Acta Neurol (Napoli) 26:14-6, Jan-Feb 71 (Ita)

[On a case of aneurysm of the left renal artery with vertebral lesions] Zacco R, et al.
Atti Accad Med Lomb 23:267-74, Apr-Jun 68 (Ita)

[The use of cinnarizine in geriatrics] Pardo A, et al.
G Gerontol 18:936-40, Oct 70 (Ita)

[Spinal epidural hematoma] Bollati A, et al.
G Psichiatr Neuropatol 98:493-504, 1970 (Ita)

[Apropos of the etiology of lumbago in women] Giordano G, et al.
Minerva Ginecol 21:168-74, 15 Feb 69 (Ita)

[Preliminary experience with transomatic cervical phlebography in the diagnosis of dervical compression] Fortuna A, et al.
Minerva Neurochir 13:75-8, 1969 (Ita)

[On the effect of nicotinyl alcohol, alone or associated with other drugs, in the treatment of radicular syndromes not due to mechanical compression] Cuscani R, et al.
Minerva Ortop 20:347-50, Jul-Aug 69 (Ita)

[Kashin-Beck disease] Fukushima M.
J Jap Dent Assoc 23:1001-2, Jan 71 (Jap)

[The vestibular syndrome in the framework of cervical spondyloses] Sîrjită N.
Otorinolaringologie 16:21-6, Jan-Feb 71 (Rum)

[Diagnosis and disability evaluation in nervous system lesions caused by degenerative changes in the thracic intervertebral disks] Lukacher GIa.
Klin Med (Mosk) 48:116-20, Sep 70 (Rus)

[Characteristics and pathogenesis of spondylogenic myelopathy] Markov DA, et al.
Klin Med (Mosk) 47:111-8, Sep 69 (Rus)

[Neurologic complications in osteochondrosis of the thoracic part of the spine] Shtul'man DR.
Klin Med (Mosk) 48:108-15, Sep 70 (Rus)

[Pathogenetic connections between several forms of circulatory disorders of the extremities and spinal osteochondrosis] Margolin GA.
Vopr Neirokhir 35:41-5, Mar-Apr 71 (Rus)

[Clinical picture and surgery of cervical osteochondrosis] Shefer DG, et al.
Vopr Neirokhir 34:47-52, Sep-Oct 70 (Rus)

[Spinal cord lesions in several congenitil and acquired diseases of the spine (review of the literature)] Shtul'man DR.
Zh Nevropatol Psikhiatr 70:1418-29, 1970 (201 ref.) (Rus)

[Spinal myocionia in an irreversible coma] Esteban A, et al. Rev Clin Esp 121:161-8, 30 Apr 71 (Spa)

CONGENITAL

[Radiologic contribution to the classification of sacro-coccigeal dysplasia] Sacco M.
Nunt Radiol 34:869-99, Sep 68 (Ita)

DIAGNOSIS

Statistical analysis of skeletal scintigrams. Galasko CS, et al. Br J Surg 58:302, Apr 71

Common errors in the diagnosis of herniation of the intervertebral disk. Epstein JA.
Ind Med Surg 39:481-8, Nov 70

Roentgen findings in the craniosacral mechanism. Greenman PE. J Am Osteopath Assoc 70:60-71, Sep 70

Thoracic and abdominal pain originating in the vertebral axis. Some aspects of physical diagnosis. Taylor TK. Northwest Med 69:879-85, Sep 70

[Lateral fexion in the diagnosis of dynamic disorders of the cervical spine] Jirout J.
Acta Chir Orthop Traumatol Cech 37:286-8, Oct 70 (Cze)

[Diagnosis of the so-called Forestier's disease] Vyhnánek L, et al.
Acta Chir Orthop Traumatol Cech 37:262-5, Oct 70 (Cze)

[Morbus disci columnae thoracalis in the Faroe Islands] Joensen HD. Ugeskr Laeger 132:1666-8, 3 Sep 70 (Dan)

[Myeloscintigraphy (critical and comparative review of its results)] Oberson R.
J Radiol Electrol Med Nucl 51:549-56, Oct 70 (23 ref.) (Fre)

[Intraspinal enteric cysts. 3 cases] Kahn AP, et al.
Neurochirurgie 17:33-44, Jan-Feb 71 (Fre)

[Biopsy by puncture and aspiration of the dorsal vertebral body] Japas LM, et al.
Rev Chir Orthop 56:763-70, Dec 70 (Fre)

[An early sign of spinal osteoprosis: enlargement of lumbar disc spaces] Ravault PP, et al.
Rev Lyon Med 18:603-13, 30 Oct 69 (Fre)

[Diagnosis of rachialgia (excluding cervico-brachialgia): the clinician's viewpoint] Martin E. Rev Med Suisse Romande 89:241-56, Apr 69 (Fre)

[Spinal diseases and their differential diagnosis] Brocher JE.
Arch Atlas Norm Pathol Anat Roentgenbild 68:1-881, 1970 (Ger)

[Evaluation of the suitability and fitness for construction occupations of subjects with congenital and acquired spinal changes] Heidenreich C.
Beitr Orthop Traumatol 17:710-2, 1970 (Ger)

[Degenerative diseases of the spine (excluding scoliosis and malformations). A new measuring device for the functional diagnosis of the spine] Lekszas G.
Beitr Orthop Traumatol 17:693-9 contd, 1970 (Ger)

[Scintigraphic demonstration of pathological processes in the spinal canal after intravenous application of radioactive substances. (i. v. myeloscintigraphy)] Piepgras U, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:329-36, Sep 70 (Ger)

[Differential diagnosis of vertebra plana: isolated flat vertebra as an early symptom of acute leukemia] Buhr J. Kinderaerztl Prax 38:259-66, Jun 70 (Ger)

[Significance of typical orthopedic findings] Rompe G.
Oeff Gesundheitswes 33:67-75, Feb 71 (Ger)

[Physical examination of patients suffering from spinal diseases] Wagenhäuser FJ.
Ther Umsch 28:9-23, Jan 71 (Ger)

[A new measuring device for spine function diagnosis] Lekszas G.
Z Aerztl Fortbild (Jena) 64:602-8, 15 Jun 70 (Ger)

[Gynecovertebral syndrome] Verhagen A.
Zentralbl Gynaekol 92:1491-5, 7 Nov 70 (Ger)

[Clinical, radiological and electromyographic aspects of cervical spondylosis] Mamoli A.
Riv Neurobiol 15:849-76, Oct-Dec 69 (Ita)

[Tuberculous-like diseases of the spine] Klepurska A.
Gruzlica 39:33-43, 1971 (Pol)

[Clinical and radiological study of the cervical spine in rheumatoid arthritis] Losada A, et al.
Rev Med Chil 98:600-9, 1970 (Spa)

[Otoneurological symptoms in pathological processes in the region of the cervical vertebra and spinal medulla] Andreevski A, et al.
Med Glas 24:182-5, Apr-May 70 (Cro)

DRUG THERAPY

Experimental disc lesion in rabbits. The effect of repeated ACTH administration. Haimovici EH.
Acta Orthop Scand 41:505-21, 1970

Chemonucleolysis. Macnab I, et al.
Can J Surg 14:280-9, Jul 71

Intraspinal application of hydrocortisone in radiculitis due to protrusion of intervertebral disk. Iitchewski S, et al. Ther Hung 18:68-71, 1970

[Medical treatment of backache of spinal origin] Franchimont P.
Rev Med Liege 25:274-6, 15 Apr 70 (Fre)

[Ambulatory management of the extended lumbar syndrome using intravenous Prigenta administration] Fichtner HJ.
Munch Med Wochenschr 112:119-22, 16 Jan 70 (Ger)

[Treatment of spinal syndromes with paravertebral Traumeel-infiltrations] Vorstoffel E.
Munch Med Wochenschr 113:440-3, 19 Mar 71 (Ger)

[Internal hospital treatment of spinal and joint diseases. Experiences with a new percutaneously acting drug] Pilz R.
Z Allgemeinmed 47:1169-72, 20 Aug 71 (Ger)

[Clinical aspects and therapy of neuralgia and vertebrogenic pains in the clinic and practice of an otorhinolaryngologist] Riemann D.
Z Allgemeinmed 47:189-91, 10 Feb 71 (Ger)

[A case of intervertebral meniscitis (discitis) and vertebral osteomyelitis treated with sodium oxacillin] Valente G.
Minerva Ortop 21:589-95, Nov 70 (Ita)

[The diphenylbutazone-gamma-phenylpropyl carbamate combination in the treatment of spinal pains] Klein B, et al.
Hospital (Rio de J) 76:925-9, Sep 69 (Por)

[Use of vitamin B complex combined with methylmelubrine in the treatment of spinal arthroses] Carneiro W.
Rev Bras Med 27:526-31, Oct 70 (Por)

[On the medical treatment of spondyloses (study of 396 patients)] Aurel I, et al.
Med Interna (Bucur) 23:143-8, Feb 71 (Rum)

[Progress made in therapy of spondylosis and disk arthroses] Dumitru CG, et al.
Med Interna (Bucur) 23:163-75, Feb 71 (Rum)

Enzyme therapy of lumbar osteochondrosis by intra-disk punctures] Kalinkin VV.
Ortop Travmatol Protez 31:40-4, Jun 70 (Rus)

ETIOLOGY

Spinal bony bridging and carditis in Reiter's disease. Cliff JM. Ann Rheum Dis 30:171-9, Mar 71

Vertebral osteoporosis in ankylosing spondylitis. Hanson CA, et al. Clin Orthop 74:59-64, Jan 71

Chemical epidural abscess: case report. Vijayan N, et al.
J Neurol Neurosurg Psychiatry 34:297-9, Jun 71

Spinal meningeal hematoma, warfarin therapy, and chiropractic adjustment. Dabbert O, et al.
JAMA 214:2058, 14 Dec 70

Spinal muscular atrophy of the scapulo-peroneal-type. Schuchmann L. Z Kinderheilkd 109:118-23, 1970

[Osteomyelitis of the spine-complication of urinary tract infections] Andersen MJ, et al.
Ugeskr Laeger 133:191-5, 5 Feb 71 (Dan)

[Voluminous aneurysm of the thoracic aorta with dorso-lumbar lysis. Resection; recovery] Puel P, et al.
Ann Chir Thorac Cardiovasc 10:167-70, 1971 (Fre)

[Osseous repercussions of intraspinal neurinoma] Joyeux O, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:399+, May 69 (Fre)

[Epiduritis from contact with a focus of melitococcic osteitis. 1 case] Monier P, et al.
Lyon Med 224:541-5, 8 Nov 70 (Fre)

[Relations of spondylolysis and spondylolisthesis to injury] Lance P.
Rev Chir Orthop 57:Suppl 1:107-9, 1971 (Fre)

[The spinal mobile segment] Eshougues JR d', et al.
Rhumatologie 23:193-8, Jun-Jul 71 (Fre)

[Bilateral radiotherapeutic hip and osseous necrosis of L5 after cyclocobaltotherapy for cervix uteri epithelioma] Gaucher A, et al.
Rhumatologie 23:165-9, May 71 (Fre)

[Degenerative diseases of the spine] Unger H.
Beitr Orthop Traumatol 17:813-6, Oct 70 (Ger)

[Luetic thoraco-lumbal aortic aneurysm with arrosion of the vertebral body] Boldt I, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:846-9, Jun 71 (Ger)

[Upper arm amputation and spinal statics] Holland C, et al. Hefte Unfallheilkd 102:277-83, 1970 (Ger)

[Psychiatric aspects of back ailments] Kirchgraber D.
Ther Umsch 28:24-8, Jan 71 (Ger)

[Results of a serial mass screening of 60 tractor drivers on health damage by noise and vibration] Seidel B, et al. Z Gesamte Hyg 16:447-50, 1 Jun 70 (Ger)

[Slight abnormalities of development of the atlas: their pathogenetic significance. I. Premises, general considerations and working hypotheses] Carella A, et al. Acta Neurol (Napoli) 26:26-40, Jan-Feb 71 (Ita)

[Vertebral skeletal changes during myxopapillary ependymoma] Dei Poli N, et al.
Minerva Ortop 21:28-37, Jan 70 (Ita)

[Correlations between auxologico-constitutional type and paradysmorphisms of the spine in childhood. Statistical studies at a Rehabilitational and Corrective Gymnastic Center] Magistroni C, et al.
Minerva Pediatr 21:875-90, 12 May 69 (Ita)

[2 cases of postoperative inflammation of the lumbar disc] Kurata T, et al.
Orthop Surg (Tokyo) 21:1120-2, Dec 70 (Jap)

[Physiopathological bases of prophylaxis and treatment of disk disorders and spondyloses] Ciobanu V, et al. Med Interna (Bucur) 23:133-41, Feb 71 (Rum)

[The neurologic syndromes of hormonal spondylopathy

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and their treatment] Smirnov IuD.
Zh Nevropatol Psikhiatr 70:1804-10, 1970 (Rus)
[Sequelae of tuberculous meningitis in children and their therapy] Krivobokov SA.
Pediatr Akush Ginekol 2:22-4, Mar-Apr 70 (Ukr)

FAMILIAL & GENETIC

[Familial vertebral dysplasia: a case report] Matsu K, et al. Orthop Surg (Tokyo) 22:110-4, Feb 71 (Jap)

HISTORY

John Hilton's contributions on atlanto-axial disease--a forgotten chapter in the history of neurosurgery. (Hilton J), Pandya SK. Neurol India 18:147-57, Sep 70

IMMUNOLOGY

[Autoimmune reactions in the pathogenesis ofpinal osteochrondrosis] Osna AI, et al.
Zh Nevropatol Psikhiatr 70:1621-5, 1970 (Rus)

OCCURRENCE

[Degenerative illness of lumbar vertebral column and its socioeconomic consequences in a Swiss town] Mennet P, et al.
Schweiz Med Wochenschr 101:293-6, 27 Feb 71 (Ger)
[The anatomy of the aging spinal column. II. Deformities, wedge-shaped vertebrae formation] Schumacher GH, et al.
Z Aerztl Fortbild (Jena) 65:337-45, 15 Mar 71 (Ger)
[Premature signs of stress fatigue in truck drivers] Rosegger S. Z Orthop 108:510-6, Nov 70 (Ger)

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Cases 34-1971.
N Engl J Med 285:508-16, 26 Aug 71
[Lumbar disc lesion, with special reference to the histological significance of nerve endings of the lumbar discs] Shinohara H.
J Jap Orthop Assoc 44:553-70, Aug 70 (Jap)
[Eosinophilic granuloma of thoracic vertebrae and lungs] Dobrota S, et al.
Bratisl Lek Listy 55:208-15, 1971 (Slo)

PREVENTION & CONTROL

[From experience in the prevention of posture disorders in children] Smagina NM.
Vopr Kurortol Fizioter Lech Fiz Kult 35:343-6, Jul-Aug 70 (Rus)

RADIOGRAPHY

Myeloscintigraphy with I-131 labelled hippuran. A new screening method for demonstration of spinal block lesions. Huusko S. Ann Clin Res 1:Suppl 2:1-55, 1969
The spinal manifestations of coccidioidomycosis. Dalinka MK, et al. J Can Assoc Radiol 22:93-9, Mar 71
Pyogenic osteomyelitis of the spine. May D.
Postgrad Med 50:58-60, Jul 71
[Syndrome of high lumbar vertebrae] Fried K, et al.
Acta Chir Orthop Traumatol Cech 37:275-80, Oct 70 (Cze)
[Hypermobility in the craniocervical junction in the clinical and x-ray picture] Lewit K.
Cesk Neurol 34:113-9, May 71 (Cze)
[X-ray cinematography in functional diagnosis of the cervical spine] Roth M, et al.
Cesk Radiol 25:122-4, May 71 (Cze)
[Disk pseudo-calcification. Presentation of radiographs] Gunzberg J.
J Belge Rhumatol Med Phys 23:65-70, Mar-Apr 68 (Fre)
[Radiologic exploration in the course of cervicalough the narrowing of the spinal canal] Geindre M, et al.
J Radiol Electrol Med Nucl 51:92-3, Jan-Feb 70 (Fre)
[Results of an initial series of 20 saccoradiculographies accomplished with methyiglucamine iothalamate] Riffat G, et al. Rev Lyon Med 18:303-13, 30 Apr 69 (Fre)
[Lumbar diskography; its value in diagnosis and surgical treatment of painful lumbar and lumbosacral diskopathies: record of 4 years' experience] Massare C, et al.
Rev Rhum Mal Osteoartic 36:312-5, Jun 69 (Fre)
[Trial vertebral densitometry] Berthon MP, et al.
Rhumatologie 23:87-95, Mar 71 (Fre)
[Diagnostic problems with the sequelae of vertebral dystrophy during development] Simon L.
Rhumatologie 22:293-7, Oct 70 (Fre)
[Diagnostic problems with chronic rheumatic lesions of the spine] Villiaumey J.
Rhumatologie 22:305-10, Oct 70 (Fre)
[Calcification of intervertebral spaces of the cervical spine in childhood] Heitner H.
Beitr Orthop Traumatol 18:218-22, Apr 71 (Ger)
[Juvenile vertebral osteochondrosis in the x-ray picture. Results of x-ray studies of 1000 young men] Schultze HU.
Beitr Orthop Traumatol 18:205-10, Apr 71 (Ger)
[Interpretation and evaluation of solitary defects on the cortical plates of the lumbar vertebrae] Walter R.
Beitr Orthop Traumatol 17:176-7, Feb 70 (Ger)
[Ankylosing hyperostosis of the spine (Forestier's disease) in diabetics. Systematic x-ray examinations of 1,000 diabetics] Andersch H, et al.
Dtsch Gesundheitsw 25:1991-4, 15 Oct 70 (Ger)
[D. Schoen's cervical pseudocleft in spondylosis uncovertebralis. Special, seldom noticed radiographic findings in supportive tissue and joint tissue 1] Dihlmann W, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:522-7, Oct 70 (Ger)
[Radiodiagnosis of the costotransverse joint] Hohmann D, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:783-9, Jun 70 (Ger)
[Relation between hyperostotic spondylosis and hyperostotic reactions on the spinal process points of the lumbar vertebral column] Meyer R.
Schweiz Med Wochenschr 101:289-91, 27 Feb 71 (Ger)
[Backache and x-ray changes in diving] Groher W, et al.
Z Orthop 108:51-61, Jul 70 (Ger)
[Extensive intraspinal meningocele] Fábián MS, et al.
Orv Hetil 111:2223-8, 20 Sep 70 (Hun)
[A new water-soluble contrast medium for lumbar radiculography: Dimer-X. (Preliminary note on 40 cases)] Calabro' A, et al.
Rass Int Clin Ter 50:1423-8, 30 Nov 70 (Ita)
[A case of Calvé's disease with double localization] Gerasimenko ZS.
Vestn Rentgenol Radiol 45:82-3, May-Jun 70 (Rus)
[Calcification of an intervertebral disk in a child] Gordyiev MN.
Vestn Rentgenol Radiol 45:83-4, May-Jun 70 (Rus)
[Specific alteration in the intervertebral disks in deforming fibrous osteodystrophy of the spine] Ioffe AZ. Vestn Rentgenol Radiol 45:71-7, Jan-Feb 70 (Rus)
[A motor segment of the spine in the light of functional roentgenologic study] Mazo IS, et al.
Vestn Rentgenol Radiol 45:3-9, May-Jun 70 (Rus)
[Pneumomyelography in the diagnosis and expert opinion on diseases of the spinal cord and spinal column] Pustovoitenko VT.
Voen Med Zh 6:37-8, Jun 70 (Rus)
[Comments on 3 cases of osseous bridge between the transverse apophysis and the lumbar spine] Palou RT, et al.
Rev Esp Reum Enferm Osteoartic 13:343-8, Apr 70 (Spa)

RADIOTHERAPY

[Radiation loading of bone marrow in x-ray therapy of the spine in non-blastomatous diseases] Hrabovszky Z, et al. Strahlentherapie 140:515-8, Nov 70 (Ger)

REHABILITATION

Ambulation-prism-spectacles. Gostin SB.
Trans Am Acad Ophthalmol Otolaryngol 75:644-6, May-Jun 71
[Rehabilitation after diskectomy and ventral spondylodesis in osteochondrosis of the lumbar region] Jumaschew GS.
Z Gesamte Hyg 17:444-6, Jun 71 (Ger)

SURGERY

Anterior cervical fusion for cervical rhizopathies. A follow-up study. Lindberg L.
Acta Orthop Scand 41:312-9, 1970
Surgical approaches to the anterior aspect of the spinal column. Jackson JW.
Ann R Coll Surg Engl 48:83-98, Feb 71
Spinal extradural cryptococcal granuloma. A case report. Rao SB, et al. Neurol India 18:192-3, Sep 70
The lumbar disk syndrome and its operative treatment. Stauffer RN, et al. Postgrad Med 49:87-93, Feb 71
Surgery of the spinal column and cord. Scott M. Progr Neurol Psychiatry 25:294-301, 1970 (66 ref.)
[Anterior cervical uncusectomy and foraminectomy] Jung A, et al. Neurochirurgie 17:61-6, Jan-Feb 71 (Fre)
[Lumbosacral interbody arthrodesis] Debeyre J, et al.
Rev Chir Orthop 55:499-514, Sep 69 (Fre)
[The place of surgery in vertebral arthrosis] Husquinet W. Rev Med Liege 25:662-3, 15 Oct 70 (Fre)
[Myelopathy of cervical origin: a series of 15 cases treated by extensive laminectomy] Lievre JA, et al.
Rhumatologie 21:277-90, Oct 69 (Fre)
[Operative treatment in the degenerative spinal diseases] Böhmert W.
Beitr Orthop Traumatol 17:682-3, Oct 70 (Ger)
[Spinal extension in the complex rehabilitation of patients with secondary radicular syndrome] Kaptelin AF.
Beitr Orthop Traumatol 17:488-90, 1970 (Ger)
[Treatment of mega-apophyses and isolated spinal process apophyses] Schulz P.
Beitr Orthop Traumatol 17:329-34, 1970 (Ger)
[Intrathoracic meningocele] Akovbiantz A, et al.
Schweiz Med Wochenschr 101:19-23, 9 Jan 71 (Ger)
[Possibilities and limitations of surgical treatment in spinal ailments] Zimmermann H.
Ther Umsch 28:51-5, Jan 71 (Ger)
[Contribution of surgical orthopedics to cure of vertebral sciatica] Radu C.
Med Interna (Bucur) 23:177-82, Feb 71 (Rum)
[Temporary surgical realignment of the spine in the complex treatment of Calve's disease (preliminary report)] Andrushko NS, et al.
Ortop Travmatol Protez 31:82-4, Nov 70 (Rus)
[Evolution of ideas in the surgery and orthopedics of the spine] Chaklin VD.
Ortop Travmatol Protez 32:48-54, Mar 71 (Rus)
[Pathogenetic surgical treatment of osteochondrosis of the spine] Osna AI.
Ortop Travmatol Protez 31:29-34, Jun 70 (Rus)

THERAPY

Proctalgia fugax: recurrent fulminating coccygodynia. A report of three cases with a review of the literature. Eibel P. Clin Orthop 73:116-20, Nov-Dec 70
Manipulative methods for treating locomotor pain in general practice. Price DI.
J R Coll Gen Pract 21:214-20, Apr 71
[Physiopathological principles of the treatment by vertebral manipulations] Maigne R.
Cah Coll Med Hop Paris 9:1029-36, Nov 68 (Fre)
[Traction treatment in physical therapy] Schindel E.
Arch Phys Ther (Leipz) 22:215-8, Jul-Aug 70 (Ger)
[Treatment of orthopedic diseases by therapeutic riding] Riede D, et al.
Beitr Orthop Traumatol 18:53-4, 1971 (Ger)
[Ultra-stimulation current in degenerative changes of the spine] Tomaschewski HK.
Beitr Orthop Traumatol 17:676-7, Oct 70 (Ger)
[Positioning therapy of spinal diseases] Unger H.
Munch Med Wochenschr 112:2292-3, 11 Dec 70 (Ger)
[Experiences with microwave sand treatment method] Nikolova-Troeva L. Ther Ggw 109:1049-59, Jul 70 (Ger)
[Treatment of degenerative spinal diseases] Kunz W.
Z Allgemeinmed 47:156-60, 10 Feb 71 (Ger)
[On the technic of chiropractic] Seil K.
Z Allgemeinmed 46:1146-53, 20 Aug 70 (Ger)
[Spinal extension using a stretching bandage] Krämer J. Z Orthop 107:364-7, Jan 70 (Ger)
[Traction in therapy of cervical arthropathies. (Clinical cases)] Bianchi C, et al.
Fracastoro 62:54-62, Jan-Feb 69 (Ita)
[Problems in vertebral manipulations: osteopathy and chiropractic. (Opinion of Professor Alberto Lodispoto)] Salvati A.
Minerva Med 61:4566-73, 13 Oct 70 (Ita)
[Spa treatment of degenerative spinal diseases with natural peat or the so-called peat paste] Timmler J.
Pol Tyg Lek 25:1287-9, 24 Aug 70 (Pol)
[Disk diseases in internal medicine. (Rehabilitation by drug therapy and medical gymnastics)] Dumitrescu D.
Med Interna (Bucur) 23:211-4, Feb 71 (Rum)
[Kinetotherapeutic methods of prevention and rehabilitation in disk diseases and spondylosis] Stoia I, et al. Med Interna (Bucur) 23:187-201, Feb 71 (Rum)
[Rehabilitation by medical physical culture methods in spondylopathies] Taus L, et al.
Med Interna (Bucur) 23:203-9, Feb 71 (Rum)
[Intradisk blockade in the treatment of diskalgesic syndromes of spinal osteochondrosis] Dolgun AP, et al. Ortop Travmatol Protez 31:36-40, Jun 70 (Rus)

VETERINARY

Hypervitaminosis A of the cat. Seawright AA, et al.
Adv Vet Sci Comp Med 14:1-27, 1970 (72 ref.)
Spastic, an hereditary neurological mutation in the mouse characterized by vertebral arthropathy and leptomeningeal cyst formation. Meier H, et al.
Exp Med Surg 28:24-38, 1970
Staphylococcal osteomyelitis of the avian vertebral column. Wise DR. Res Vet Sci 12:169-71, Mar 71
Clinical experiences with use of methocarbamol to control muscular spasms in treatment of spinal lesions in dogs. Rowe ET, et al.
Vet Med Small Anim Clin 65:1082-4 passim, Nov 70
Brucella-associated vertebral osteomyelitis in a thoroughbred mare. Collins JD, et al.
Vet Rec 88:321-6, 27 Mar 71

SPINAL FUSION (E4)

see also related
LAMINECTOMY (E4)

Anterior cervical fusion for cervical rhizopathies. A follow-up study. Lindberg L.
Acta Orthop Scand 41:312-9, 1970
Surgical treatment of scoliosis. Dolan JA, et al.
Clin Orthop 76:125-37, May 71
Combined halo and sacral bar fixation. A method for immobilization and early ambulation following extensive spine fusion. Hardy JH, et al.
Clin Orthop 75:205-8, Mar-Apr 71
Is surgical fusion still desirable in spinal tuberculosis? Neville CH Jr, et al. Clin Orthop 75:179-87, Mar-Apr 71
Cervical spine fusions in children. Roy L, et al.
Clin Orthop 73:146-51, Nov-Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The use of Gelfoam paste in anterior cervical fusion. Taheri ZE. J Neurosurg 34:438, Mar 71
Early anterior fusion for cervical spine injury. JAMA 215:2113-4, 29 Mar 71
Pulmonary function in thoracic scoliosis, before and after corrective surgery. Westgate HD. Minn Med 53:839-47, Aug 70
Management of the complications of anterior cervical fusion. Myers PW, et al. Proc Annu Clin Spinal Cord Inj Conf 16:33-8, 1967
Stabilization of the upper cervical spine by the transpharyngeal route. Bonney G. Proc R Soc Med 63:896-7, Sep 70
Spinal fusion after laminectomy for cervical myelopathy. Fairbank TJ. Proc R Soc Med 64:634-6, Jun 71
Anterior cervical discectomy and fusion. Simmons EH. Proc R Soc Med 63:897-8, Sep 70
Transpharyngeal fusion of the upper cervical spine. Thompson H. Proc R Soc Med 63:893-6, Sep 70
[Treatment of cervical dislocation fractures using ventral fusion] Schürmann K, et al. Chirurg 41:225-8, May 70 (Ger)
[Application of Cloward's anterior spinal fusion in cervical spine injur- ies. Compilation of 26 cases] Reichenbach W. Schweiz Arch Neurol Neurochir Psychiatr 107:231-59, 1970 (Ger)
[Possibilities and limitations of surgical treatment in spinal ailments] Zimmermann H. Ther Umsch 28:51-5, Jan 71 (Ger)
[Anesthesiologic problems in Risser's surgical spondylodesis] Dustmann HO, et al. Z Orthop 108:184-91, Sep 70 (Ger)
[Transabdominal reposition and splinting of advanced spondylolisthesis and early spondyloptosis] Zimmermann H. Z Orthop 109:467-74, Jul 71 (Ger)
[Anterior fusion of the spine] Torok G, et al. Harefuah 78:479-83, 15 May 70 (Heb)
[Evaluation of the anterior fixatio method in spondylolysis and spondylolisthesis] Inoue S, et al. J Jap Orthop Assoc 44:709-12, Sep 70 (Jap)
[Spondylolysis and spondylolisthesis, with special reference to posterior fixation method] Kono S. J Jap Orthop Assoc 44:703-6, Sep 70 (Jap)
[Evaluation of surgical therapy in spondylolysis and spondylolisthesis and follow-up studies by each method] Onomura T, et al. J Jap Orthop Assoc 44:712-7, Sep 70 (Jap)
[Postero-lateral spinal fusion] Mitani S, et al. Shujutsu 25:452-9, Apr 71 (Jap)
[Transperitoneal lumbar discotomy and anterior spinal fusion in lumbar disc disorders (Suzuki's method)] Tsuji H. Shujutsu 25:437-46, Apr 71 (Jap)
[Use of formalin-treated homograft to achieve anterior spondylodesis] Iumashev GS, et al. Ortop Travmatol Protez 31:75-7, Apr 70 (Rus)

ADVERSE EFFECTS

Sudden cessation of cardiac output during spinal fusion. Dykes MH, et al. Anesth Analg (Cleve) 49:596-9, Jul-Aug 70
Electrolytic reaction to dissimilar metals as a cause of sciatica: a case report. Bhalla SK, et al. Can J Surg 11:52-6, Jan 68

INSTRUMENTATION

The value of the Wilson plate in spinal fusion. Cobey MC. Clin Orthop 76:138-40, May 71

VETERINARY

Ventral approach for surgical treatment of cervical disk disease in the dog. Popovic NA, et al. Am J Vet Res 32:1155-61, Aug 71

SPINAL INJURIES (C14)

Hangman's break. Shaw M. Am J Nurs 70:2565-6, Dec 70
Traumatic occipito-atlantal dislocation. Evarts CM. J Bone Joint Surg [Am] 52:1653-60, Dec 70
Fractures, dislocations, and fracture-dislocations of the spine. Holdsworth F. J Bone Joint Surg [Am] 52:1534-51, Dec 70
Hyperextension injuries of the spine. Burke DC. J Bone Joint Surg [Br] 53:3-12, Feb 71
Fractures of the dens (odontoid process). An analysis of thirty-seven cases. Schatzker J, et al. J Bone Joint Surg [Br] 53:392-405, Aug 71
Peculiarities of spinal trauma in Nigeria. Odeku EL, et al. West Afr Med J 20:211-25, Apr 71
[Unusual case of cervical spine injury] Vlček J. Rozhl Chir 49:589-91, Nov 70 (Cse)
[Whiplash injury or indirect injuries of the cervical spine or post-traumatic cervical syndrome] Wackenheim A. Bull Soc Sci Med Grand Duche Luxemb 105:93-114, Nov 68 (Fre)
[Introductory report. Sequelae of lumbosacral spine injuries: medicolegal aspects] Lance P. Med Leg Domm Corpor (Paris) 2:54-7, Jan-Mar 69 (Fre)
[Legal claims and lumbosacral spinal trauma] Moron P. Med Leg Domm Corpor (Paris) 2:74-6, Jan-Mar 69 (Fre)
[Corrective and stabilizing surgery on the extremities as well as on the spine using metal and bone cement] Junghanns H. Bull Soc Int Chir 30:44-7, Jan-Feb 71 (Ger)
[Spinal injuries] Russe O. Chirurg 41:49-55, Feb 70 (Ger)
[Indication for the wearing of a supporting brace] Müller HJ. Hefte Unfallheilkd 102:283-6, 1970 (Ger)
[Whiplash injuries of cervical spine] Weinreich M. Hefte Unfallheilkd 99:293-8, 1969 (Ger)
[Evaluation and treatment of spinal injuries] Rehn J. Langenbecks Arch Chir 322:322-7, 1968 (Ger)
[Flexion-luxation of the cervical spine with dorsal dislocation of the vertebral body] Gelehrter G. Monatsschr Unfallheilkd 72:29-31, Jan 69 (Ger)
[Forensic evidence of the so-called vital signs in street traffic victims with injuries of the cervical spine] Hinz P, et al. Z Rechtsmed 68:95-100, 1971 (Ger)
[Perinatal spinal injuries in infants] Müller KM, et al. Zentralbl Allg Pathol 114:209-19, 1971 (Ger)
["Pure" a5tognetti G, Giaretta V: ["Pure traumatic" dislocation of the cervical spine in the infantile age] Tognetti G, et al. Fracastoro 62:39-46, Jan-Feb 69 (Ita)
[On the anesthesia technic for cervical vertebral arthrodesis] Contratti V, et al. Minerva Anestesiol 37:504-6, Aug-Sep 71 (Ita)
[Vertebral distortion in acrobatic flight. Clinical and medico-legal considerations] Rotondo G. Riv Med Aeronaut Spaz 34:32-53, Jan-Jun 71 (Ita)
[Fracture of the dens epistrophei] Vlajić I. Vojnosanit Pregl 28:205-6, Apr 71 (Cro)

CLASSIFICATION

[Spinal injuries] Moser H. Wien Med Wochenschr 120:952-5, 15 Dec 70 (Ger)

COMPLICATIONS

"Stiff man syndrome" and trauma. Hall CD, et al. Br Med J 3:531, 28 Aug 71
Injuries of the cervical spine with spinal cord involvement (myelic fractures): statistical considerations. Castellano V, et al. Bull Hosp Joint Dis 31:188-94, Oct 70
Bilateral traumatic abducens palsy. A mechanism of injury suggested by the study of associated cervical spine fractures. Schneider RC, et al. J Neurosurg 34:33-7, Jan 71
Cranio-cerebro-cervical injuries. Stadaas J, et al. J Oslo City Hosp 20:149-60, Nov 70
Carotid artery injuries due to closed cervical trauma. Jernigan WR, et al. J Trauma 11:429-35, May 71
The problem of head and spinal injuries: prevention of the second accident. Gillingham J. Med Sci Law 10:104-9, Apr 70
Facial bone fractures associated with cervical spine injuries. Halsová L, et al. Oral Surg 30:742-8, Dec 70
[A rare cause of chylothorax: fracture luxation of the spine] Snoeck JM, et al. Acta Chir Belg 68:402-9, Sep 69 (Fre)
[Tetraplegia caused by fracture-dislocations of the cervical spine treated by emergency reduction and osteosynthesis] Judet J, et al. J Chir (Paris) 101:349-58, Mar 71 (Fre)
[2 cases of post-traumatic dorsal diskal hernia] Deruty R, et al. J Med Lyon 51:851-64, 5 Apr 70 (Fre)
[Radiologic details of cervical spine fractures and luxations in children] Fischer L, et al. Maroc Med 50:672-8, Nov 70 (Fre)
[Various psychologic aspects of patients with lumbar trauma] Buffard S, et al. Med Leg Domm Corpor (Paris) 2:72-3, Jan-Mar 69 (Fre)
[Neurogenic motor syndromes due to medullary ischemia after dorsolumbar fractures] Fayt P, et al. Rev Chir Orthop 57:13-28, Jan-Feb 71 (Fre)
[A case of post-traumatic intertransversal lumbar ossification] Horeau M. Rev Chir Orthop 57:75-6, Jan-Feb 71 (Fre)
[Relations of spondylolysis and spondylolisthesis to injury] Lance P. Rev Chir Orthop 57:Suppl 1:107-9, 1971 (Fre)
[Cervicarthrosis and traumatic osteoarticular lesions of the cervical spine: occasionally difficult diagnostic problems] Mourgues G de, et al. Rhumatologie 21:271-6, Oct 69 (Fre)
[Combined injuries in childhood] Benecke H. Beitr Orthop Traumatol 17:253-6, Apr 70 (Ger)
[Fracture of the dens axis with post-traumatic isolation and simulation of a dens aplasia] Gombert HJ. Fortschr Geb Roentgenstr Nuklearmed 113:246-7, Aug 70 (Ger)
[Cerebral abscess as complication of extension therapy with Crutchfield clamp] Masuhr KF, et al. Langenbecks Arch Chir 328:71-7, 1970 (Ger)
[Resuscitation problems in spinal cord injuries] Pantaleoni M. Acta Anaesthesiol (Padova) 20:1059-82, Nov-Dec 69 (Ita)
[Spinal epidural hematoma] Bollati A, et al. G Psichiatr Neuropatol 98:493-504, 1970 (Ita)
[Vesical electrostimulation in a cystoplegic patient] Bono AV, et al. Minerva Urol 23:112-5, May-Jun 71 (Ita)
[Pain due to compression 10 years after vertebral fracture] Gluch H. Wiad Lek 24:61-4, 1 Jan 71 (Pol)
[The vestibular syndrome in the framework of cervical spondyloses] Sîrjiță N. Otorinolaringologie 16:21-6, Jan-Feb 71 (Rum)
[Clinical aspects and therapy of ligamental injuries in injuries of the spine and spinal cord] Bazilevskaia ZB. Ortop Travmatol Protez 31:16-9, Jun 70 (Rus)
[Urethral fistulas in patients with spinal cord injuries] Bernstein-Hahn L, et al. Rev Argent Urol Nefrol 39:44-50, Jan-Jun 70 (Spa)

DIAGNOSIS

Electrophysiologic diagnosis of cervical nerve root avulsion. Zalis AW, et al. Arch Phys Med Rehabil 51:706-10, Dec 70
[Clinical, electromyographic and radiological aspects in traumatic lumbago] Bisschop G de, et al. Arch Mal Prof 30:515-8, Sep 69 (Fre)
[Skull injuries with undiagnosed vertebral injuries] Dreyfus BA, et al. Med Leg Domm Corpor (Paris) 3:258-60, Jul-Sep 70 (Fre)
[Problems of pre-existing alterations in expert opinion of the spine] Erdmann H. Arch Orthop Unfallchir 70:152-68, 1971 (Ger)
[Differential diagnosis of the occupational diseases bursitis (22), nerve compression injuries (23), paratendinoses (43), vertebral process fractures (45)] Laarmann A. Arch Orthop Unfallchir 70:285-91, 1971 (Ger)
[The overlooked vertebral fracture. An analysis based on 10 evaluated cases] Krupke HJ, et al. Monatsschr Unfallheilkd 74:57-70, Feb 71 (Ger)
[Spinal injuries] Moser H. Wien Med Wochenschr 120:952-5, 15 Dec 70 (Ger)
[Diagnosis and treatment of injuries of the cervical spine] Tsuru M. Surg Ther (Osaka) 24:487-98, May 71 (Jap)
[Neurologic syndromes in pathology of the cervical spine and structures of the neck in acute cranio-cerebral injuries] Zinchenko AP, et al. Vopr Neirokhir 35:46-9, Mar-Apr 71 (Rus)

DRUG THERAPY

[Treatment of active rotation subluxations of the atlas] Nikitin MN. Ortop Travmatol Protez 32:11-4, Jan 71 (Rus)

ETIOLOGY

Seatbelt injuries of the spine and abdomen. Dehner JR. Am J Roentgenol Radium Ther Nucl Med 111:833-43, Apr 71

IMMUNOLOGY

[Immunological changes in the organism in spinal injuries with damage to the spinal cord] Kapian AE, et al. Ortop Travmatol Protez 32:9-11, Jan 71 (Rus)

METABOLISM

[Correlations between the clinical course and urinary elimination of nitrogen in patients with neurosurgical diseases] Caruselli G. Acta Neurol (Napoli) 24:475-99, May-Jun 69 (Ita)

NURSING

The nursing management of acute spinal paraplegia. 2. Management of fracture/dislocation. Pratt R. Nurs Times 67:537-40, 6 May 71

OCCURRENCE

The nature of seat belt injuries. Williams JS, et al. J Trauma 11:207-18, Mar 71
[Accidental injuries of the spinal cord and their sequelae. Review of the literature] Fischer H. Z Allgemeinmed 46:1069-4, 31 Jul 70 (29 ref.) (Ger)

PATHOLOGY

The pathological findings in fatal craniospinal injuries. Davis D, et al. J Neurosurg 34:503-13, May 71

PREVENTION & CONTROL

[The behavior of the cervical vertebrae in simulated traffic accidents] Hinz P, et al. Monatsschr Unfallheilkd 72:321-8, Aug 69 (Ger)
[Traumatic separation of the napex from the cervical spine] Jarosch K, et al. Monatsschr Unfallheilkd 72:89-99, Mar 69 (Ger)
[Prevention of spinal trauma in the course of electroconvulsive treatment] Kamiński Z. Psychiatr Pol 5:45-8, Jan-Feb 71 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

The roentgenographic appearance of transverse or chance fractures of the spine: the seat belt fracture. Rogers LF.
Am J Roentgenol Radium Ther Nucl Med 111:844-9, Apr 71
Fracture of the posterior arch of the atlas (combined with fracture of the spinous process of the sixth and seventh cervical vertebrae). Rijsbosch JK.
Arch Chir Neerl 23:83-9, 1971
Radiographic demonstration of induced vertebral facet displacements. Swezey RL, et al.
Arch Phys Med Rehabil 52:244-9, Jun 71
The view box. Love L. Ill Med J 139:245 passim, Mar 71
The low back x-ray as a pre-employment screening tool in the forest products industry. Redfield JT.
J Occup Med 13:219-26, May 71
The capricious odontoid fracture. Seljeskog EL, et al.
Minn Med 54:241-8, Apr 71
[Tomography with gas myelography, vertebral trauma and intraspinal lesions] Metzger J, et al.
Med Leg Domm Corpor (Paris) 2:58-61, Jan-Mar 69 (Fre)
[Dynamic radiology of the cervical spine of flying military personnel; the special case of jet pilots] Delahaye RP, et al.
Rev Corps Sante Armees 9:593-614, Oct 68 (Fre)
[Postmortem radiography with the aid of a field x-ray machine] Fischer H, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:535-7, Oct 70 (Ger)
[Vertebral fractures in scoliosis (2 case reports)] Savini R, et al.
Arch Putti Chir Organi Mov 24:368-74, 1969 (Ita)
[X-ray diagnosis of compression fractures of the spine in children] Sibirskaia PV, et al.
Ortop Travmatol Protez 31:59-61, Nov 70 (Rus)
[Roentgendiagnosis of injuries of ligaments and intervertebral joints in injuries of the spine and spinal cord] Bazilevskaia ZV.
Vestn Rentgenol Radiol 45:99-100, Sep-Oct 70 (Rus)
[A case of long-term observation of aseptic necrosis of a vertebra] Sviridov SA.
Vestn Rentgenol Radiol 45:76-9, May-Jun 70 (Rus)

REHABILITATION

The organization of a spinal injuries unit at Royal Perth Hospital, Perth, Western Australia. Bedbrook GM.
Proc Annu Clin Spinal Cord Inj Conf 16:53-61, 1967
[Reeducation treatment in traumatic paraplegias] Bertini G.
G Batteriol Virol Immunol 63:294-308, Jul-Aug 70 (Ita)
[Status of social rehabilitation and somatic conditions in spinal injuries] Shingu H, et al.
Orthop Surg (Tokyo) 22:499-504, 1971 (Jap)

SURGERY

Early anterior fusion for cervical spine injury.
JAMA 215:2113-4, 29 Mar 71
Fractures of the 2nd cervical vertebra; neurosurgical management. Salmon JH.
Med Trial Tech Q 17:194-200, Dec 70
Anterolateral operations in cervical spinal fractures report of a series of 39 cases. Verbiest H.
Proc Annu Clin Spinal Cord Inj Conf 15:53-5, 7 Nov 66
Stereotaxic realignment of the dislocated cervical spine. McFadden JT.
Surg Gynecol Obstet 133:262-4, Aug 71
The management of penetrating wounds of the neck. Weaver AW, et al.
Surg Gynecol Obstet 133:49-52, Jul 71
[Surgical treatment of cervical spine injuries] Macůk I, et al. Rozhl Chir 50:430-7, Aug 71 (Cse)
[Apropos of 5 cervical osteotomies in the treatment of old traumatic lesions] Louis R.
Chirurgie 96:224-30, 1970 (Fre)
[2 cases of surgical replacement of a vertebral body with osseous heteroplastic graft] Liguori MR, et al.
Neurochirurgie 17:75-9, Jan-Feb 71 (Fre)
[Indications relative to anterior and posterior approaches in recent cervical injuries] Vigouroux RP, et al. Neurochirurgie 17:67-70, Jan-Feb 71 (Fre)
[Arthrodesis in the cerebrospinal region] Dubousset J, et al. Rev Chir Orthop 55:29-54, Jan-Feb 69 (Fre)
[Spinal osteotomy by the anterior approach] Louis R.
Rev Chir Orthop 57:Suppl 1:163+, 1971 (Fre)
[Treatment of cervical dislocation fractures using ventral fusion] Schürmann K, et al.
Chirurg 41:225-8, May 70 (Ger)
[Transcervical approach in upper cervical spine surgery] Jahnke V. HNO 19:148-50, May 71 (Ger)
[Application of Cloward's anterior spinal fusion in cervical spine injur- ies. Compilation of 26 cases] Reichenbach W.
Schweiz Arch Neurol Neurochir Psychiatr 107:231-59, 1970 (Ger)
[The direct anterior approach to foreign bodies in the cervical spine] Yoachims HZ, et al.
Harefuah 78:483-5, 15 May 70 (Heb)
[Surgery of uncomplicated fractures of the spine] Iumashev CS, et al.
Khirurgiia (Mosk) 22:48-54, Apr 69 (Rus)
[Experience in surgery of uncomplicated compression fractures of the vertebrae] Iumashev GS, et al.
Khirurgiia (Mosk) 46:44-50, Sep 70 (Rus)
[Surgical treatment of closed uncomplicated fractures of the spine in the lower thoracic and lumbar regions] Orlovskif BF, et al.
Ortop Travmatol Protez 31:6-8, Jun 70 (Rus)
[Horizontal fractures of the vertebrae] Selivanov VP, et al. Ortop Travmatol Protez 32:5-8, Jan 71 (Rus)
[Atlanto-axial dislocation. Report and analysis of 8 cases. Technical contribution to its surgical treatment] Gofii PB. Clr Clr 38:15-86, Jan-Feb 70 (Spa)

THERAPY

Development of systems of spinal injury management with a correlation to the development of other esoteric health care systems. Young JS.
Ariz Med 27:1-6, Aug 70
Trauma rounds, Montreal General Hospital. Fractured lumbar vertebra (case P76).
Can Med Assoc J 104:605-7, 3 Apr 71
Treatment of stable thoracolumbar spine compression fractures by early ambulation. Weitzman G.
Clin Orthop 76:116-22, May 71
An aid for insertion of the Crutchfield skull tongs. Gonski A. Med J Aust 2:1137-8, 12 Dec 70
[Early functional treatment of vertebral fractures] Melzer B, et al.
Beitr Orthop Traumatol 16:59-62, Feb 69 (Ger)
[Spinal damages in old age and their therapy] Jäger M.
Dtsch Med J 21:1223-9, 5 Oct 70 (Ger)
[Diagnosis and treatment of injuries of the cervical spine] Tsuru M.
Surg Ther (Osaka) 24:487-98, May 71 (Jap)
[Prevention of complications in the correction of traumatic displacement of the cervical vertebrae] Selivanov VP. Khirurgiia (Mosk) 46:51-5, Sep 70 (Rus)
[Skeletal traction in injuries of the cervical spine] Kashigina EA.
Ortop Travmatol Protez 31:67-9, Apr 70 (Rus)
[Treatment of uncomplicated fractures of the vertebral body] Prudnikov EA.
Ortop Travmatol Protez 31:66-7, Jun 70 (Rus)
[Traction of the cervical region of the spine by an apparatus applied to the zygomatic arches] Reut NI.
Ortop Travmatol Protez 31:73-4, Nov 70 (Rus)
[Method of determining the reducibility of neglected dislocations of the cervical vertebrae] Selivanov VP.
Ortop Travmatol Protez 31:8-12, Jun 70 (Rus)
[Experience of the Institute in the treatment of spinal fractures] Tinchurina SG, et al.
Ortop Travmatol Protez 31:12-5, Jun 70 (Rus)

VETERINARY

Vertebral body plating for spinal immobilization. Swaim SF. J Am Vet Med Assoc 158:1683-95, 15 May 71
Body casts: technics of application to the dog. Swaim SF. Vet Med Small Anim Clin 65:1179-86, Dec 70

SPINAL NEOPLASMS (C2)

Intrathoracic chordoma. Tanghe W, et al.
Acta Orthop Belg 37:177-85, Mar-Apr 71
Vertebral angiosarcoma. A case report. Stjernvall L.
Acta Orthop Scand 41:165-8, 1970
Extra nodal spread of Hodgkin's disease. Medina A, et al.
Am J Roentgenol Radium Ther Nucl Med 111:368-75, Feb 71
Osteoblastic metastases in carcinoma of the pancreas. Joffe N. Br J Radiol 44:226, Mar 71
Survival in malignant schwannoma. An 18-year study. White HR Jr. Cancer 27:720-9, Mar 71
Metastatic disease of the spine. Bhalla SK.
Clin Orthop 73:52-60, Nov-Dec 70
Primary adenocarcinoma of the appendix with metastasis to the fifth lumbar vertebra: report of a case and review of the English-language literature. Rockwood E, et al.
J Am Osteopath Assoc 70:681-5, Mar 71
Intraosseous neurilemoma of the third lumbar vertebra. Dickson JH, et al.
J Bone Joint Surg [Am] 53:349-55, Mar 71
Malignant hemangioendothelioma of the cervical spine. A case report. Sweterlitsch PR, et al.
J Bone Joint Surg [Am] 52:805-8, Jun 70
Osteoid osteoma. Wilkinson RH.
Postgrad Med 49:61-2, Apr 71
[A case of chordoma of the clivus with cervical extension in a child] Bourdial J, et al.
Ann Otolaryngol Chir Cervicofac 87:220-2, Dec 70 (Fre)
[Spinal chordoma with double localization] Bellet M, et al. Ann Radiol (Paris) 14:121-30, Jan-Feb 71 (Fre)
[Vertebral chordoma with double localization] Bellet M, et al. Bord Med 3:2987-8 passim, Dec 70 (Fre)
[Medulloblastoma of the 4th ventricle and diffuse osseous metastases] Verger P, et al.
Bord Med 3:2467-8, Oct 70 (Fre)
[Craniospinal tumors in African Negroes] Girard PL, et al. Bull Soc Med Afr Noire Lang Fr 16:42-50, 1971 (Fre)
[Spinal metastases of visceral neoplasms] Jacquin-Cotton L, et al.
Bull Soc Med Afr Noire Lang Fr 15:144-9, 1970 (Fre)
[Primary reticulosarcoma of the spine. 6 cases] Goutelle A, et al. J Med Lyon 51:937-43, 5 Apr 70 (Fre)
[Vertebral hemangioma] Grenier R, et al.
Union Med Can 98:2088-94, Dec 69 (Fre)
[Metastases from sacrococcygeal chordoma. (Frequency, diffusion and radiosensitivity)] Garusi G, et al. Cancro 22:547-62, 1969 (Ita)
[Osteoblastoma of the posterior arch of the cervical spine] Giachi LM. Chir Organi Mov 58:541-5, 1970 (Ita)
[Transplantable osteosarcoma caused by the "Moloney strain of murine sarcoma virus (M-MSV)" in Osborne-Mendel rats] Biancifiori C.
Lav Ist Anat Istol Patol Perugia 30:101-17, 1970 (Ita)
[On spinal dermoepidermoids] Brizzi RE, et al.
Minerva Neurochir 13:34, 1969 (Ita)
[Osseous localizations of malignant lymphogranuloma. Case reports] Depiano A, et al.
Nunt Radiol 35:233-43, Mar 69 (Ita)
[Osseous metastases of neoplasms of the testis. (Clinico-radiological considerations)] Donati E.
Radiobiol Radioter Fis Med 24:311-23, Sep-Oct 69 (Ita)
[Sacrococcygeal chordoma] Petrone C, et al.
Prensa Med Argent 57:609-13, 29 May 70 (Spa)

COMPLICATIONS

Osteochondroma of the cervical spine causing cord compression. Thomas ML, et al.
Br J Radiol 44:549-51, Jul 71
Simultaneous occurrence of congenital aniridia, hamartoma, and Wilms' tumor. Haicken BN, et al.
J Pediatr 78:497-502, Mar 71
Cervical radicular pain secondary to osteoid osteoma of spine. Scott M, et al. JAMA 217:964-5, 16 Aug 71
[Congenital fistulizing presacral teratoma. (Contribution on the problem of sacrococcygeal fistulas)] Zadorožný P, et al.
Rozhl Chir 49:473-6, Sep 70 (Cse)
[Long-term cauda equina compression and osteolysis of the 3d lumbar vertebra (chordoma): diagnostic and therapeutic problems] Pecker J, et al.
J Radiol Electrol Med Nucl 50:253-4, Mar-Apr 69 (Fre)
[Relapsing angio-reticulomas in the course of Von Hippel-Lindau's disease. Clinical and arteriographic aspects] Lepoire J, et al.
Neurochirurgie 15:529-34, Dec 69 (Fre)
[Paraplegia caused by spondylo-diskal metastasis of cancr of the prostate] Casanova G, et al.
Presse Med 79:54, 9 Jan 71 (Fre)
[Spinal causes of lumbar pain] Franchimont P.
Rev Med Liege 25:256-61, 15 Apr 70 (Fre)
[Spinal cord compression by vertebro-epidural cavernous angiomas] Lefèvre JP, et al.
Rev Neuropsychiatr Infant 16:841-6, Oct-Nov 68 (Fre)
[Congenital abnormality and dermoid in the lumbosacral region] Betz H, et al.
Zentralbl Neurochir 31:161-5, 1970 (Ger)
[Medullary compressions caused by epidural metastases. (Indications for surgical treatment)] Sanguinetti C. Chir Patol Sper 17:29-49, Feb 69 (Ita)
[Oncogenic spinal sciaticas] Fortuna A, et al.
Policlinico [Chir] 77:306-17, Nov-Dec 70 (Ita)
[Symptomatic ulcero-mutilant acropathy in tumors of the dauda equina] Frank F, et al.
Riv Neurol 41:34-51, Jan-Feb 71 (Ita)
[Dermal sinuses associated with intraspinal tumors] Carrascosa RG, et al.
Rev Clin Esp 117:397-406, 31 May 70 (Spa)

DIAGNOSIS

Malignant sacrococcygeal teratoma--a problem in diagnosis. Scobie WG. Arch Dis Child 46:216-8, Apr 71
Occult spinal metastases--early electromyographic manifestation. LaBan MM, et al.
Arch Phys Med Rehabil 52:223-6, May 71
Primary osteogenic sarcoma of the cervical spine originally mistaken for benign osteoblastoma. A case report. Marsh HO, et al.
J Bone Joint Surg [Am] 52:1467-71, Oct 70
Clinicopathologic conference: sudden paralysis at level of D4. Tchertkoff V. Med Times 98:171-80, Oct 70
Differential diagnosis of the intraspinal haemangioblastomas. Iizuka J.
Minerva Neurochir 14:100-5, Apr-Sep 70
Radiostrontium in the early diagnosis of bone metastases in patients with prostatic carcinoma. Kontturi M, et al. Scand J Urol Nephrol 5:210-4, 1971
[Spinal neuroblastoma in a 7-months-old infant] Bernhardtsen NJ.
Ugeskr Laeger 133:1513-4, 6 Aug 71 (Dan)
[Clinical aspects and therapeutic indications of spinal metastases] Sarrazin D.
J Radiol Electrol Med Nucl 52:86-90, Jan-Feb 71 (Fre)
[Intraspinal enteric cysts. 3 cases] Kahn AP, et al.
Neurochirurgie 17:33-44, Jan-Feb 71 (Fre)
[Giant cell tumors] Kubin H, et al.
Wien Med Wochenschr 121:304-6, 10 Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Osteoid osteoma of the cervical spine] Torok G. Harefuah 78:395-6, 15 Apr 70 (Heb)
[Benign osteoblastoma of the cervical spine] Popović S, et al. Srp Arh Celok Lek 98:293-9, Feb 70 (Ser)

ETIOLOGY

[Osteongic sarcoma following irradiation] Harefuah 79:195, 16 Aug 70 (Heb)

PATHOLOGY

Malignant hemangioendothelioma of bone in childhood. Report of a case and review of the literature. Gilbert EF, et al. Am J Dis Child 121:410-4, May 71
Clinicopathologic conference: backache and abnormal findings on chest films. Bruno MS, et al. NY State J Med 70:2692-702, 1 Nov 70
[Ultrastructural study of a sacral chordoma] Cesarini JP, et al. Arch Anat Pathol (Paris) 19:95-102, Mar 71 (Fre)
[Metastasizing spinal meningioma] Banki H, et al. Zentralbl Allg Pathol 114:51-6, 1971 (Ger)
[Lipoma extradurale canalis vertebralis C1-Th1 in a 1 and a half-year-old child] Woźniak F. Patol Pol 21:643-6, Oct-Dec 70 (Pol)
[Leydig cell tumor with metastases in liver and spine] Shemiakin OS. Arkh Patol 33:77-80, 1971 (Rus)

RADIOGRAPHY

Teratomas in infants and children. Partlow WF, et al. Am J Roentgenol Radium Ther Nucl Med 112:155-66, May 71
Osteoblastic metastases in carcinoma of pancreas. Gillison EW, et al. Br J Radiol 43:818-20, Nov 70
Intraspinal tumours in children (excluding dysraphism). Banna M, et al. Clin Radiol 22:17-32, Jan 71 (53 ref.)
Enlarged neural foramen in a child. Heitzman ER, et al. NY State J Med 71:449-52, 15 Feb 71
Vertebral scalloping in neurofibromatosis. Salerno NR, et al. Radiology 97:509-10, Dec 70
Intraspinal neurilemmomas simulating lumbar disc disease. Chadduck WM. Va Med Mon 98:25-30, Jan 71
[Vertebral localization of plasmacytoma] Jeanmart L, et al. J Belge Radiol 53:132-42, Mar-Apr 70 (Fre)
[Pseudo-calcifications of the disk. Disappearance of a lumbar vertebral body] Gunzburg J. J Belge Rhumatol Med Phys 25:141-8, Jul-Aug 70 (Fre)
[Primary malignant spinal tumors in children] Béraud C, et al. J Radiol Electrol Med Nucl 50:657-62, Oct 69 (Fre)
[Segmental dilatations of the spinal canal in neurofibromatosis (a case)] Lemaitre G, et al. J Radiol Electrol Med Nucl 50:840-2, Nov 69 (Fre)
[Radio-anatomical aspects of spinal angiomas. Two cases] Picard L, et al. Neurochirurgie 15:519-28, Dec 69 (Fre)
[Differential diagnosis of aneurysmal bone cyst and hemangioma in the cervical spine (with a contribution to the osseous venography of vertebral hemangioma)] Thiemann KJ. Fortschr Geb Roentgenstr Nuklearmed 112:641-5, May 70 (Ger)
[Sacro-coccygeal chordoma. Report of a case with unusual clinico-radiological manifestations] Placanica A, et al. Nunt Radiol 35:181-98, Feb 69 (Ita)
[Roentgenodiagnosis of hemangioma of the spine] Kasparian RM, et al. Zh Eksp Klin Med 8:63-5, 1968 (Rus)

RADIOTHERAPY

Retropharyngeal spread of carcinoma of the thyroid. McCormack KR, et al. Cancer 26:1366-9, Dec 70
[Radiotherapy of secondary tumors of the spine (technics, complications and results] Abbatucci JS. J Radiol Electrol Med Nucl 52:79-85, Jan-Feb 71 (Fre)
[Tumors of the spinal cord and spine] Mazabraud A. J Radiol Electrol Med Nucl 52:48-50, Jan-Feb 71 (Fre)
[Radiotherapy of primary spinal tumors] Papillon J, et al. J Radiol Electrol Med Nucl 52:62-78, Jan-Feb 71 (Fre)
[Clinical aspects and therapeutic indications of spinal metastases] Sarrazin D. J Radiol Electrol Med Nucl 52:86-90, Jan-Feb 71 (Fre)
[Accidental diagnostic finding of vertebral hemangioma and its therapy, especially tele-cobalt therapy] Riepenhausen U, et al. Beitr Orthop Traumatol 17:7-8, Jan 70 (Ger)

SURGERY

Definitive marsupialization of the acute pilonidal abscess. Cavanagh CR, et al. Am Surg 36:650-1, Oct 70
Benign cartilaginous tumours of the spine. A report of one case together with a review of the literature. Bell MS. Br J Surg 58:707-11, Sep 71
Total spondylectomy in chondrosarcoma arising from the seventh thoracic vertebra. Stener B. J Bone Joint Surg [Br] 53:288-95, May 71
Complete removal of three vertebrae for giant-cell tumour. Stener B, et al. J Bone Joint Surg [Br] 53:278-87, May 71
Acrylic prosthesis of the fifth cervical vertebra in multiple myeloma. Technical note. Cross GO, et al. J Neurosurg 35:112-4, Jul 71
[Contribution of lateral and anterior interventions to the surgical treatment of tumors of the cervical spine] Verbiest H. Neurochirurgie 16:Suppl 2:171+, May 70 (Fre)
[Surgery of bone tumors of the spine] Schlegel KF. Beitr Orthop Traumatol 16:790-4, Dec 69 (Ger)
[Personal experiences with the surgical treatment of spinal aneurysmatic bone cysts] Riskó T, et al. Z Orthop 108:468-76, Nov 70 (Ger)
[Case studies on coccygeal teratomas] Skibbe G, et al. Zentralbl Chir 96:150-4, 23 Jan 71 (Ger)
[Our experience with the surgical treatment of aneurysmal cysts of the vertebrae] Riskó T, et al. Orv Hetil 112:188-90, 24 Jan 71 (Hun)
[The use of diazepam for induction of general anesthesia in neurosurgery. Experience in 183 cases] Di Giugno G. Riv Neurobiol 15:904-12, Oct-Dec 69 (Ita)
[Case of teratoid cyst in the caudal area] Sugiura Y, et al. Orthop Surg (Tokyo) 22:482-4, 1971 (Jap)
[1-stage operation for the removal of a jaudglass-shaped tumor localized in the spinal canal and posterior mediastinum] Czochra M, et al. Neurol Neurochir Pol 4:619-22, Sep-Oct 70 (Pol)
[Posterior occipital-cervical arthrodesis] Tsiv'ian IaL. Ortop Travmatol Protez 31:70-1, Oct 70 (Rus)

THERAPY

Prospects for cryo-immunotherapy in cases of metastasizing carcinoma of the prostate. Alblin RJ, et al. Cryobiology 8:271-9, Jun 71

SPINAL NERVES (A8)

Value of electromyography in lumbar radiculopathy. Johnson EW, et al. Arch Phys Med Rehabil 52:239-43, Jun 71
Intermittent claudication of neurospinal origin. Silver RA, et al. Bull Soc Int Chir 29:284-94, Sep-Oct 70
Neuroblastoma with normal urinary catecholamine excretion. Voorhess ML. J Pediatr 78:680-3, Apr 71
Intraspinal tumors (epidermoid) resulting from lumbar punctures with open needles. McQueen JA, et al. J SC Med Assoc 67:107-10, Mar 71
Sacral-nerve-root cysts and sciatica. Braham J. Lancet 1:45, 2 Jan 71
Sciatica caused by sacral-nerve-root cysts. Clarke GR, et al. Lancet 2:1135-6, 28 Nov 70
Severe hypomyelination and marked abnormality of conduction in Dejerine-Sottas hypertrophic neuropathy: myelin thickness and compound action potential of sural nerve in vitro. Dyck PJ, et al. Mayo Clin Proc 46:432-6, Jun 71
Segmental demyelination secondary to axonal degeneration in uremic neuropathy. Dyck PJ, et al. Mayo Clin Proc 46:400-31, Jun 71
[Electromyography of paravertebral muscles; its value in diagnosis of radicular syndromes of the lower extremities] Hamonet C, et al. Rev Neurol (Paris) 122:429-30, Jun 70 (Fre)
[Varicosis epiduralis--a cause for lumbar root irritations] Wöber G, et al. Wien Med Wochenschr 120:884-5, 21 Nov 70 (Ger)
[On the nosographic classification of myeloradiculopathies caused by cervical arthrosis] Curti V, et al. Acta Neurol (Napoli) 26:14-6, Jan-Feb 71 (Ita)

ABNORMALITIES

[Sciatica and spinal anomalies. (10 cases)] Carayon A, et al. Bull Soc Med Afr Notre Lang Fr 14:42-50, 1969 (Fre)

ANALYSIS

Distribution of glutamate in spinal roots of different species: a comparative study. Rizzoli AA. Comp Biochem Physiol 26:1131-3, Sep 68

ANATOMY & HISTOLOGY

Variability of the ansa cervicalis in dogs. Benson RO, et al. Am J Vet Res 32:1165-8, Aug 71
Functional neuroanatomy for nurses. 4. The peripheral nervous system. 1. The cerebrospinal nervous system. Hewitt W. Nurs Times 67:853-7, 15 Jul 71
Metamerical topography of the cord and its roots. Benassy J. Paraplegia 8:75-9, Aug 70
[Cervical and the spinal accessory nerves. Morphological studies by means of fiber analysis] Kumaki K. Acta Anat Nippon 45:311-44, 1 Dec 70 (Jap)
[Distribution of the posterior root fibers along the length of the spinal cord and their relation to the cells of the anterior horn] Iontov AS. Arkh Anat Gistol Embriol 58:74-81, 1970 (Rus)
[Certain morphological criteria of afferent spinal innervation of internal organs] Stovichek GV, et al. Biull Eksp Biol Med 69:113-6, Mar 70 (Rus)

BLOOD SUPPLY

Ocular and nervous system involvement in angioma serpiginosum. Gautier-Smith PC, et al. Br J Ophthalmol 55:433-43, Jul 71

CYTOLOGY

Axonal bifurcation in the dorsal root ganglion of the cat: a light and electron microscopic study. Ha H. J Comp Neurol 140:227-40, Oct 70
A quantitative electron microscope analysis of peripheral nerve in the urodele amphibian in relation to limb regenerative capacity. Egar M, et al. J Morphol 133:387-97, Apr 71
[Ultrastructure of the liquor contacting neurons of the spinal cord of reptiles] Vigh-Teichmann I, et al. Z Zellforsch Mikrosk Anat 109:180-94, 1970 (Ger)

DRUG EFFECTS

Postsynaptic disinhibition by ammonium. Lux HD, et al. Naturwissenschaften 57:456-7, Sep 70
Ammonium and chloride extrusion: hyperpolarizing synaptic inhibition in spinal motoneurons. Lux HD. Science 173:555-7, 6 Aug 71
[Electrophysiological effect of Levodopa on the phenomena of spinal inhibition and facilitation in Parkinson's disease] Cernibori. Riv Neurol 40:363-9, Sep-Oct 70 (Ita)

EMBRYOLOGY

Association of glial cells with the terminal parts of neurite bundles extending from chick spinal cord in vitro. Grainger F, et al. Z Zellforsch Mikrosk Anat 108:93-104, 1970

GROWTH & DEVELOPMENT

Postnatal development of spinal anterior horn neurones in normal and undernourished rats. A quantitative cytochemical study. Haltia M. Acta Physiol Scand Suppl 352:1+, 1970

INJURIES

Electrophysiologic diagnosis of cervical nerve root avulsion. Zalis AW, et al. Arch Phys Med Rehabil 51:708-10, Dec 70
The view box. Love L. Ill Med J 139:245 passim, Mar 71
Complication of myelography--transection and withdrawal of a nerve filament by the needle. Young DA, et al. N Engl J Med 285:156-7, 15 Jul 71
[Nerve injuries of the hand] Millesi H. Dtsch Med J 22:82-6, 5 Feb 71 (Ger)
[Myelographic demonstration of lumbal root avulsions] Langer F. Fortschr Geb Roentgenstr Nuklearmed 114:566-8, Apr 71 (Ger)
[Orthopedic treatment and physical therapy of paralysis of the trapezius muscle] Guicciardi E, et al. Minerva Ortop 21:462-8, Jun-Jul 70 (Ita)

METABOLISM

The distribution of glutamic acid, a transmitter candidate, and other amino acids in the dorsal sensory neuron of the cat. Johnson JL, et al. Brain Res 24:285-92, 1 Dec 70

PATHOLOGY

Ultrastructure of remyelination of peripheral nerves in Landry-Guillain-Barré syndrome. Liu HM. Acta Neuropathol (Berl) 16:262-5, 1970
Arthrogryposis multiplex congenita. Simultaneous involvement of peripheral nerve and skeletal muscle. Hooshmand H, et al. Arch Neurol 24:561-72, Jun 71
Familial amyloid polyneuropathy: an electron microscope study of the peripheral nerve in five cases. I. Interstitial changes. Coimbra A, et al. Brain 94:199-206, 1971
Familial amyloid polyneuropathy: an electron microscope study of the peripheral nerve in five cases. II. Nerve fibre changes. Coimbra A, et al. Brain 94:207-12, 1971
Ultrastructure of chromatolytic motoneurons and anterior spinal roots in a case of Werdnig-Hoffmann disease. Chou SM, et al. J Neuropathol Exp Neurol 30:368-79, Jul 71
Sensory, motor, and autonomic dysfunction: the nervous system in familial dysautonomia. Pearson J, et al. Neurology (Minneap) 21:456-63, May 71
Electrophysiological and sural nerve biopsy studies in patients with Freidreich's ataxia and Charcot-Marie-Tooth disease. McLeod JG. Proc Aust Assoc Neurol 7:89-95, 1970
[Osteophytes compressing the sympathetic trunks and the splanchnic nerves in the thorax and abdomen] Nathan H. Harefuah 78:51-5, 15 Jan 70 (Heb)
[Experimental investigations on peripheral nerves in undernutrition] Sima A, et al. Nord Med 85:480-1, 15 Apr 71 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOLOGY

Depression of Ia IPSP in spinal border cells by impulses in recurrent motor axon collaterals. Gustafsson B, et al. Acta Physiol Scand 80:13A-14A, Dec 70

Spino-bulbo-spinal reflex inhibition of monosynaptic extensor reflexes of hindlimb in cats. Magherini PC, et al. Arch Ital Biol 109:110-29, Jun 71

Proprioceptive influence on supraspinal descending inhibitory mechanisms. Thoden U, et al. Arch Ital Biol 109:130-51, Jun 71

Cortical areas exerting presynaptic inhibitory action on the spinal cord in cat and monkey. Abdelmoumène M, et al. Brain Res 20:327-9, 3 Jun 70

Applications of signal averaging to dorsal root recording. Brown PB, et al. Brain Res 25:87-102, 8 Jan 71

Presynaptic facilitation: positive dorsal root potentials evoked from brain stem reticular formation in lumbar cord. Chan SH, et al. Brain Res 28:176-9, 16 Apr 71

Effects from the vestibulospinal tract on the contralateral hindlimb motoneurones in the cat. Hongo T, et al. Brain Res 31:220-3, 7 Aug 71

Pattern of sympathetic discharges and their relation to baroreceptor and respiratory activities. Koizumi K, et al. Brain Res 27:281-94, 2 Apr 71

Positive dorsal root potentials produced by stimulaton of small diameter muscle afferents. Mendell L. Brain Res 18:375-9, 3 Mar 70

Visceral afferent and efferent fibers in sacral ventral roots in cats. Ryall RW, et al. Brain Res 23:57-65, 29 Sep 70

Deafferentation: purposive movement in a unilaterally deafferented limb. Berman AJ. Electroencephalogr Clin Neurophysiol 29:411, Oct 70

Afferent volleys in limb nerves influencing impulse discharges in cerebellar cortex. II. In Purkynĕ cells. Eccles JC, et al. Exp Brain Res 13:15-35, 26 Jul 71

Afferent volleys in limb nerves influencing impulse discharges in cerebellar cortex. II. In Purkynĕ cells. Eccles JC, et al. Exp Brain Res 13:36-53, 26 Jul 71

Dorsal spinal nerve root regeneration verified by injection of leucine-3H into the dorsal root ganglion. Ikeda K, et al. Exp Neurol 30:379-88, Mar 71

Physiological roles of A and C fiber inputs to the spinal dorsal horn of Macaca mulatta. Price DD, et al. Exp Neurol 29:383-99, Dec 70

Thoracic segmental input to the cerebellum. Macgillivray BB, et al. Int J Neurol 7:288-93, 1970

Dynamic properties of mechanoreceptors with unmyelinated (C) fibers. Bessou P, et al. J Neurophysiol 34:116-31, Jan 71

Terminals of single Ia fibers: location, density, and distribution within a pool of 300 homonymous motoneurons. Mendell LM, et al. J Neurophysiol 34:171-87, Jan 71

Excitation and inhibition of Renshaw cells by impulses in peripheral afferent nerve fibers. Ryall RW, et al. J Neurophysiol 34:242-51, Mar 71

Intersegmental coordination of swimmeret motoneuron activity in crayfish. Stein PS. J Neurophysiol 34:310-8, Mar 71

Spinal cord and root potentials. Borland RG, et al. J Physiol (Lond) 210:166P+, Sep 70

Centrifugal dorsal root discharges induced by motoneurone activation. Decima EE, et al. J Physiol (Lond) 207:103-18, Mar 70

Spinal and supraspinal components of the reflex discharges into lumbar and thoracic white rami. Sato A, et al. J Physiol (Lond) 212:839-50, Feb 71

Bulbar inhibition of spinal and supraspinal sympathetic reflex discharges. Kirchner F, et al. Pfluegers Arch 326:324-33, 1971

Slow ventral root potentials in the spinal frog (Xenopus laevis). Meij HS, et al. S Afr Med J 44:893-7, 8 Aug 70

[Longitudinal distribution of spinal cord potentials obtained by adequate cutaneous stimulation in the spinal cat] Bouaziz M, et al. J Physiol (Paris) 1:Suppl 1:94, 1969 (Fre)

[Influence of gastrocnemic nerve stimulation on solear tonic activity and on the Hoffmann reflex in man] Bouaziz Z, et al. J Physiol (Paris) 63:16A-17A, Mar-Apr 71 (Fre)

[Presynaptic and postaynaptic components in reflex inhibition of spinal motor neurons] Cangiano A, et al. Boll Soc Ital Biol Sper 46:196-8, 28 Feb 70 (Ita)

[Chemosensitivity of dorsal root fibers to potassium ions and the hypothesis of the peripheral mechanism of pain] Khaiutin VM, et al. Biull Eksp Biol Med 69:3-6, Mar 70 (Rus)

[Synaptic effects on frog motor neurons during stimulation of the spinal cord dorsal roots and dorsal columns] Shiriaev BI. Biull Eksp Biol Med 71:6-10, May 71 (Rus)

[Features of trophic disorders of the myocardium following spinal and vagal deafferentation of the heart] Sobieva ZI, et al. Biull Eksp Biol Med 66:25-9, Sep 68 (Rus)

[Post-tetanic changes in reflex responses of the ventral roots and motor nerves during rhythmic antidromic stimulation of the motor neurons] Pushkarev IuP. Fiziol Zh SSSR 57:90-7, Jan 71 (Rus)

[Effect of posterior root deafferentation on the system of complex defensive conditioned reflex] Ioffe ME, et al. Zh Vyssh Nerv Deiat 21:487-91, May-Jun 71 (Rus)

[Reinnervation of the afferent denervated urinary bladder after coupling of the dorsal spinal roots. Experimental study in cats] Sundin T, et al. Nord Med 85:189, 11 Feb 71 (Swe)

PHYSIOPATHOLOGY

Alterations of postsynaptic potentials in periodic variations of seizure excitability. Speckmann EJ, et al. Electroencephalogr Clin Neurophysiol 30:264-5, Mar 71

Analysis of electrodermal evidence for a paramedullary afferent tract in patients with a transection of the thoracic spinal cord. Fuhrer MJ. J Neurol Neurosurg Psychiatry 34:281-8, Jun 71

[Presynaptic inhibition and dorsal root potentials in cats with experimental thyrotoxicosis] Ignatkov VIa. Biull Eksp Biol Med 70:16-9, Sep 70 (Rus)

[The relation between disruptions in axoplasm transport and changes in the functional properties of individual myelinated nerve fibers in tetanus] Mikhailov VV, et al. Biull Eksp Biol Med 65:40-3, Apr 68 (Rus)

RADIOGRAPHY

[Status of saccoradiculography] Caillé JM. Bord Med 3:2433-4, Oct 70 (Fre)

[Radiculography using emulsified Duroliopaque] Bories J. J Belge Radiol 54:375-83, May-Jun 71 (Fre)

[New uses of water-soluble contrast media in neuroradiology] Gonsette R. J Belge Radiol 54:385-402, May-Jun 71 (Fre)

[Radiculography with Dimer X. 1st results after 630 examinations] Baumgartner J, et al. J Radiol Electrol Med Nucl 51:557-9, Oct 70 (Fre)

[Radiculography with emulsions of ethyl mono-lodo-stearate] Bories J, et al. J Radiol Electrol Med Nucl 51:566-70, Oct 70 (Fre)

[Experimental and clinical study of some water-soluble contrast media. Their possible use in radiculography, myelography and ventriculography] Gonsette R, et al. J Radiol Electrol Med Nucl 51:19-28, Jan-Feb 70 (Fre)

[Radiculography without spinal anesthesia] Legré J, et al. J Radiol Electrol Med Nucl 49:827-32, Nov 68 (Fre)

[Critical comparison of 847 lumbosacral radiculographies performed with methyliglucamine iothalamate] Baumgartner J, et al. Neurochirurgie 15:503-7, Nov 69 (Fre)

[Radiculography with Dimer X. 1st results based on 630 examinations] Baumgartner J, et al. Neurochirurgie 16:453-7, Sep-Oct 70 (Fre)

[Lumbo-sacral radiculography with dimer-X] Guerbet M. Presse Med 79:414, 20 Feb 71 (Fre)

[Results of an initial series of 20 saccoradiculographies accomplished with methyliglucamine iothalamate] Riffat G, et al. Rev Lyon Med 18:303-13, 30 Apr 69 (Fre)

[Radiculography by means of iothalamic acid N-methyliglucamine salts] Signorini E, et al. Nunt Radiol 35:103-15, Feb 69 (Ita)

[Further results in myeloradiculography without spinal anesthesia] Corsi M, et al. Quad Radiol 35:247-53, 26 Oct 69 (Ita)

SURGERY

Changes in acetylcholinesterase, acid phosphatase and beta glucuronidase proximal to a nerve crush. Johnson JL. Brain Res 18:427-40, 17 Mar 70

Spasmodic torticollis; results after cervical rhizotomy in 80 cases. Hamby WB, et al. Clin Neurosurg 17:28-37, 1969

Diagonal locomotion in de-afferentated toads. Harcombe ES, et al. J Exp Biol 53:255-63, Oct 70

[Critical examination of sacral rhizotomy in the treatment of pains in the pelvic area] Meyer E. Langenbecks Arch Chir 322:587-93, 1968 (Ger)

[Various aspects of rhizotomies and ganglionectomies in lumbosacral painful syndromes of unknown etiology. Preliminary report] Del Corral JF, et al. Rev Clin Esp 115:115-6, 31 Oct 69 (Spa)

TRANSPLANTATION

Studies on the bridging of irreducible gaps in severed ventral roots. An experimental study in cats. Carlsson CA, et al. J Neurol Sci 12:163-76, Feb 71

SPINAL OSTEOPHYTOSIS (C3)

[Neri-Barrè-Lieou syndrome] Bartolini G. G Clin Med 50:437-44, May 69 (Ita)

[A case of Baastrup's disease] Krzywicka M. Pol Przegl Radiol 34:453-6, Jul-Aug 70 (Pol)

[Barre-Lieou syndrome (Terracol's syndrome and Leri's syndrome)] Alves OC, et al. Hospital (Rio de J) 76:967-71, Sep 69 (Por)

COMPLICATIONS

Dysphagia and dyspnoea as complications in spondylarthritis ankylopoetica with cervical osteophytes. Benhabyles M, et al. Acta Orthop Scand 41:396-401, 1970

Developmental stenosis of a thoracic vertebra resulting in narrowing of the spinal canal. Govoni AF. Am J Roentgenol Radium Ther Nucl Med 112:401-4, Jun 71

Cervical osteophytes and dysphagia. Saunders WH. Ann Otol Rhinol Laryngol 79:1091-7, Dec 70

[Some rare cervical syndromes in otorhinolaryngology] Zelenka J. Cesk Otolaryngol 20:71-8, Apr 71 (Cze)

[A case of intertransversal lumbar arthrosis on congenital abnormality] Dunoyer J. Rev Chir Orthop 57:73-4, Jan-Feb 71 (Fre)

[Dysphagia caused by high cervical arthrosis. Report of a case] Di Lella V, et al. Nunt Radiol 35:127-38, Feb 69 (Ita)

DIAGNOSIS

Cervical osteophytes presenting with pharyngeal symptoms. Maran A, et al. Laryngoscope 81:412-7, Mar 71

[Ventral cervical spondylosis and the differential diagnosis of the distal pharyngeal wall tumors] Paulsen HJ, et al. HNO 18:305-7, Oct 70 (Ger)

[Contribution of electromyography to the diagnosis of spondilosic myelopathy] Mamoli A. Minerva Neurochir 13:35-8, 1969 (Ita)

ETIOLOGY

Spontaneous anterior fusion of vertebral bodies. Butler RW. J Bone Joint Surg [Br] 53:230-5, May 71

Cervical spondylosis and dyskinesias. Levine RA, et al. Neurology (Minneap) 20:1194-9, Dec 70

[A case of post-traumatic intertransversal lumbar ossification] Horeau M. Rev Chir Orthop 57:75-6, Jan-Feb 71 (Fre)

HISTORY

[The Neri-Lieou-Barrè syndrome. Etiopathogenetic discussion of a case described in the "Practica" of the teacher Archimathaeus (Salerno, XIth century)] Guarneri E, et al. Boll Mal Orecch Gola Naso 88:24-40, 1970 (Ita)

OCCURRENCE

[The anatomy of the aging spinal column. I. Spondylosis deformans, costovertebral hyperostosis] Schumacher GH, et al. Z Aerztl Fortbild (Jena) 65:278-84, 1 Mar 71 (Ger)

PATHOLOGY

Relations between the cervical spine and the vertebral arteries. Constantin P, et al. Acta Radiol [Diagn] (Stockh) 11:91-6, Jan 71

[Osteophytes compressing the sympathetic trunks and the splanchnic nerves in the thorax and abdomen] Nathan H. Harefuah 78:51-5, 15 Jan 70 (Heb)

PHYSIOPATHOLOGY

[Pathophysiology and clinical observation on Barré-Liéou syndrome] Nagashima C. Surg Ther (Osaka) 24:307-22, Mar 71 (65 ref.) (Jap)

RADIOGRAPHY

[Cervical spinal lesions in wrestlers] Roeser J, et al. J Radiol Electrol Med Nucl 50:699-702, Oct 69 (Fre)

[Microradiographic and histological study of vertebral osteophytes] François RJ. Pathol Eur 4:193-208, 1969 (Fre)

[Radiological study of the localizations of vertebral hyperostosis at the level of the cervico-occipital hinge] Dirheimer Y, et al. Sem Hop Paris 46:2734-8, 20 Oct 70 (Fre)

[Cervical forms of vertebral hyperostosis] Wackenheim A, et al. Sem Hop Paris 46:2743-9, 20 Oct 70 (Fre)

[Use of large-frame fluorography for detection of spinal pathology] Gertsen IG, et al. Ortop Travmatol Protez 31:72-3, Jun 70 (Rus)

[Value of the radiographic method in diagnosing cerebral syndromes of cervical osteochondrosis] Ratner AIu. Vopr Neirokhir 34:47-51, Mar-Apr 70 (Rus)

SURGERY

Myelopathy in cervical spondylosis: surgical treatment using a posterolateral approach. Jefferson A. J Neurol Neurosurg Psychiatry 33:716, Oct 70

[Surgical treatment of Baastrup's syndrome] Reich M, et al. Beitr Orthop Traumatol 17:683-4, Oct 70 (Ger)

[Pathophysiology and clinical observation on Barré-Liéou syndrome] Nagashima C. Surg Ther (Osaka) 24:307-22, Mar 71 (65 ref.) (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SPINAL PUNCTURE (E1)

Lumbar puncture in the neonate: a simplified technique. Greenaher J, et al.
J Pediatr 78:1034-5, Jun 71

The place of isotope encephalography by the lumbar route in neurological diagnosis. Bannister R.
Proc R Soc Med 63:921-5, Sep 70

[Improved technic of lumbosacral myelography] Hammer B.
Fortschr Geb Roentgenstr Nuklearmed 113:325-8, Sep 70 (Ger)

[Treatment of brain concussion] Kollevold T.
Tidsskr Nor Laegeforen 91:282-4, 10 Feb 71 (Nor)

ADVERSE EFFECTS

Epidural injections of autologous blood for postlumbar-puncture headache. DiGiovanni AJ, et al.
Anesth Analg (Cleve) 49:268-71, Mar-Apr 70

Chronic postmyelogram headache. Isotopic demonstration of dural leak and surgical cure. Gass H, et al. Arch Neurol 25:168-70, Aug 71

Simple relief of post spinal headache. Ainslie WH.
J Med Soc NJ 65:546-7, Oct 68

Spinal subdural hematoma in a leukemic child. Wolcott GJ, et al. J Pediatr 77:1060-2, Dec 70

Intraspinal tumors (epidermoid) resulting from lumbar punctures with open needles. McQueen JA, et al.
J SC Med Assoc 67:107-10, Mar 71

Prolonged post-lumbar puncture cerebrospinal fluid leakage from lumbar subarachnoid space demonstrated by radioisotope myelography. Lieberman LM, et al.
Neurology (Minneap) 21:925-9, Sep 71

[Iatrogenic intraspinal epidermoid cysts in children] Décarie M, et al.
Union Med Can 100:1321-7, Jul 71 (Fre)

[The post-puncture syndrome] Shtul'man DR, et al.
Zh Nevropatol Psikhiatr 71:509-16, 1971 (Rus)

INSTRUMENTATION

The spinal-needle director. Morley TS.
Anesthesiology 34:580, Jun 71

A new spinal manometer. Booth AE.
Br Med J 2:528, 29 May 71

Improved method of lumbar puncture in the newborn and small infant. Rothman FB.
Pediatrics 48:335-6, Aug 71

SPINE (A2)

see also related
LAMINECTOMY (E4)

Osteoporosis: controlled methods of measurement. Popowitz M, et al. Clin Orthop 74:185-95, Jan 71

ABNORMALITIES

Thanatophoric dwarfism. Ponzone A, et al.
Am J Dis Child 120:493, Nov 70

Abnormalities of the lower spine and spinal cord in Manx cats. Tomlinson BE. J Clin Pathol 24:480, Jul 71

Inheritance of vertebral fusion in the skipper frog. Dasgupta S, et al. J Hered 61:174-6, Jul-Aug 70

An outline of iniencephaly. Lee MJ.
Radiography 36:151-6, Jul 70

Spondylothoracic dysplasia. Pochaczevsky R, et al.
Radiology 98:53-8, Jan 71

[Teratogenic action of nicotine sulfate on the chick embryo] Strudel G.
C R Acad Sci [D] (Paris) 272:673-6, 25 Jan 71 (Fre)

[Straight back syndrome in cardiology] Serradimigni A, et al. Coeur Med Interne 9:69-74, Jan 70 (Fre)

[Gaseous myelography and myelospinal dysraphies] Crouzet G, et al.
J Radiol Electrol Med Nucl 52:331-4, May 71 (Fre)

[Micromelic form of spondylo-epiphyso-metaphyseal dysplasia involving the extremities (a case)] Geindre M, et al.
J Radiol Electrol Med Nucl 49:867-70, Nov 68 (Fre)

[Straight back syndrome in cardiology] Serradimigni A, et al. Mars Med 106:643-51, 1969 (Fre)

[Lumbosacral spinal deformities and the cause of the appearance of lumbalgia and lumbosciatica (1,000 cases): medicolegal aspects] Winninger J.
Med Leg Domm Corpor (Paris) 2:65-7, Jan-Mar 69 (Fre)

[Lumbarization of the first sacral vertebra and osseous bridge between the transverse apophyses of the 4th and 5th lumbar vertebrae] Dosen M, et al.
Rev Chir Orthop 57:69-72, Jan-Feb 71 (Fre)

[A case of intertransversal lumbar arthrosis on congenital abnormality] Dunoyer J.
Rev Chir Orthop 57:73-4, Jan-Feb 71 (Fre)

[Systematic radiologic examination of the spine during the admission examination of flight personnel. Definition of normal and management of congenital abnormalities] Delahaye RP, et al.
Rev Corps Sante Armees 11:667-83, Oct 70 (Fre)

[Polydysspondylism] Zippel H.
Beitr Orthop Traumatol 16:641-50, Nov 69 (Ger)

[Syndrome of caudal hypoplasia] Schönenberg H.
Helv Paediatr Acta 26:88-97, Apr 71 (Ger)

[Clinical features and differential diagnosis of the restricted cranial migration of the spinal cord] Matthias FR, et al.
Z Kinderheilkd 108:238-57, 1970 (74 ref.) (Ger)

[Case report on supernumerary breast associated with multiple vertebral malformations] Carella A, et al.
Acta Neurol (Napoli) 26:136-42, Mar-Apr 71 (Ita)

[Bilateral hypoplasia of the vertebral artery in a patient with craniocervical malformation] Carella A, et al.
Acta Neurol (Napoli) 24:524-9, Jul-Aug 69 (Ita)

[A center for the treatment of vertebral deformities] Marchetti PG, et al.
Arch Putti Chir Organi Mov 25:173-88, 1970 (Ita)

[The "straight back syndrome" in cardiology] Bobba P, et al. Cardiol Prat 21:393-404, Dec 70 (Ita)

[Syndrome of caudal dysplasia] Mastella G.
Fracastoro 62:95-102, Jan-Feb 69 (Ita)

[Correlations between auxologico-constitutional type and paradysmorphisms of the spine in childhood. Statistical studies at a Rehabilitational and Corrective Gymnastic Center] Magistroni C, et al.
Minerva Pediatr 21:875-90, 12 May 69 (Ita)

[Lumbosacral spinal agenesis. Case report] Maggini M, et al. Riv Clin Pediatr 82:438-44, Oct-Dec 69 (Ita)

[Etiology of spondylolysis--question on the theory of hypoplasia of the vertebral arch] Arai M.
Orthop Surg (Tokyo) 22:1-8, Jan 71 (Jap)

[Goldenhar's syndrome (oculo-auriculo-vertebral dysplasia). Apropos of a case] Paiva C.
Rev Bras Oftalmol 30:139-45, Jun 71 (Por)

[Roentgen diagnosis of the straight spine syndrome] Koroliuk IP. Klin Med (Mosk) 49:68-74, Mar 71 (Rus)

[Neural tube closure defects induced by tyrosine overload] Schlack L, et al.
Rev Med Chil 99:129-31, Feb 71 (Spa)

[Spinal dysraphism in certain occult forms examined by air myelography without tomography] Strand RD.
Ann Radiol (Paris) 12:393-9, 1969 (Mul)

ANALYSIS

[Comparative structural analysis of large vessels and the skeletal system in relation to age] Emmrich R, et al. Z Alternsforsch 23:29-33, 1970 (Ger)

ANATOMY & HISTOLOGY

The Weberian aparatus and associated vertebrae in Cirrhina mrigala (Ham.). Saxena PK.
Anat Anz 128:105-7, 1971

Studies on the vertebral column of Barilius bola (Ham.). Shukla GR, et al. Anat Anz 128:131-45, 1970

Georgraphic and morphological variation in the presence and absence of the pelvic skeleton in the brook stickleback, Culaea inconstans (Kirtland), in Alberta and Saskatchewan. Nelson JS, et al.
Can J Zool 49:343-52, Mar 71

The intervertebral foramen. Hewitt W.
Physiotherapy 56:332-6, Aug 70

[Behavior of the antero-posterior curvatures among young people in the sitting position] Przybylski J.
Chir Narzadow Ruchu Ortop Pol 36:71-5, 1971 (Pol)

BLOOD SUPPLY

Syndrome of anterior spinal artery from cervical spondylosis relieved by surgery. A case report. La Torre E, et al. Minerva Neurochir 15:22-3, 1971

Lumbar angiography in the diagnosis of primary retroperitoneal tumors. Lowman RM, et al.
Surg Gynecol Obstet 132:597-602, Apr 71

[Changes in the blood supply of the spine in mice following amputation of the forelimbs] Wassilev W, et al. Dokl Bolg Akad Nauk 22:101-4, 1969 (Ger)

[Anatomical study of vertebro-radicular vascularization in relation to paralyzing sciaticas] Frignani R, et al.
Arch Putti Chir Organi Mov 25:78-84, 1970 (Ita)

[Comparative characteristics of blood supply to vertebral venous plexuses in man and dog] Loginova LA. Arkh Anat Gistol Embriol 58:50-5, Nov 70 (Rus)

CYTOLOGY

[The cellular bone of the teleost fish "Anguilla anguilla L". I. A histocytologic and histophysical study] Lopez E. Z Zellforsch Mikrosk Anat 109:552-65, 1970 (Fre)

DRUG EFFECTS

Histological changes in the skeletal elements of developing rat foetuses following treatment with sodium salicylate. Lansdown AB.
Food Cosmet Toxicol 8:647-53, Dec 70

EMBRYOLOGY

[Extracellular material and vertebral chondrogenesis] Strudel G.
C R Acad Sci [D] (Paris) 272:473-6, 18 Jan 71 (Fre)

[Biochemical study of depletion by collagenase and of restoration of chick embryo vertebral cartilage in culture in vitro] Strudel G, et al.
C R Acad Sci [D] (Paris) 272:2217-20, 26 Apr 71 (Fre)

[Somitogenesis in the avian embryo: experimental study] Lanot R.
J Embryol Exp Morphol 26:1-20, Aug 71 (Fre)

[Observations on unusual vertebral anomalies of the lumbar spine in adults. Discussion on defective notochord segmentation] Vielberg H.
Fortschr Geb Roentgenstr Nuklearmed 113:80-7, Jul 70 (Ger)

[Skeleton of trunk and extremities of a human embryo with craniorhachischisis] Dziallas S.
Z Anat Entwicklungsgesch 131:212-27, 1970 (Ger)

GROWTH & DEVELOPMENT

The effect of environmental temperature on the growth of vertebrae in the tail of the mouse. Noel JF, et al. J Embryol Exp Morphol 24:405-10, Sep 70

The ontogenic development of the vertebrae in some gekkonoid lizards. Werner YL.
J Morphol 133:41-91, Jan 71

[Etiopathogenesis of diseases of the vertebral epiphyses] Grossmann J, et al.
Beitr Orthop Traumatol 17:415-20, Jul 70 (Ger)

[The spinal column and sports in youth] Morscher E.
Schweiz Z Sportmed 17:151-62, 1969 (Ger)

[Changes in the growing vertebrae and spine under the effects of arthrodesing surgery] Tsiv'ian IaL, et al.
Ortop Travmatol Protez 31:55-61, Aug 70 (Rus)

[Effect of experimental partial excision of the intervertebral disk and adjacent surfaces of the vertebral bodies on the growth and formation of the spine] Tursunov BS.
Ortop Travmatol Protez 31:60-4, Jun 70 (Rus)

PATHOLOGY

Lesions in nervous tissue and bone in ataxic vitamin A deficient quail. Howell JM, et al.
Acta Neuropathol (Berl) 16:285-92, 1970

The development of the lumbar lordosis. A post mortem study on excised lumbar spines. Reichmann S, et al. Arch Orthop Unfallchir 69:275-85, 1971

[Destructive lesions of the spine in spondylarthritis ankylopoietica] Savoini E, et al.
Chir Organi Mov 58:427-37, 1970 (Ita)

PHYSIOLOGY

Normal range of spinal mobility. An objective clinical study. Moll JM, et al. Ann Rheum Dis 30:381-6, Jul 71

Mechanics of the spine. Lucas DB.
Bull Hosp Joint Dis 31:115-31, Oct 70

Bio-engineering in relation to spinal mechanism. Roy S.
J Indian Med Assoc 54:566-8, 16 Jun 70

Bio-engineering in relation to spinal mechanism. Roy S.
J Indian Med Assoc 54:566-8, 1 Jul 70

[Kinetics and dynamics of the spine] Lánik V.
Acta Chir Orthop Traumatol Cech 38:67-72, 1971 (Cze)

[The spinal mobile segment] Eshougues JR d', et al.
Rhumatologie 23:193-8, Jun-Jul 71 (Fre)

[Experiences with an orthopedic device for releaving stress on the spine during knee bending exercises with heavy weights] Franke J, et al.
Beitr Orthop Traumatol 17:712-4, 1970 (Ger)

[Spinal examinations in athletes] Jungmichel D, et al.
Beitr Orthop Traumatol 17:690-1, Oct 70 (Ger)

[A new measuring device for spine function diagnosis] Lekszas G.
Z Aerztl Fortbild (Jena) 64:602-8, 15 Jun 70 (Ger)

[Measurement of vertebral column rotation] Paveika K. Z Rheumaforsch 29:366-70, Nov-Dec 70 (Ger)

PHYSIOPATHOLOGY

The loose back: an unrecognized syndrome. Howes RG, et al. Rheumatol Phys Med 11:72-7, May 71

[Measurement of vertebral column rotation] Paveika K. Z Rheumaforsch 29:366-70, Nov-Dec 70 (Ger)

RADIATION EFFECTS

Localized aplasia in irradiated vertebral bone marrow. A frequently overlooked gross observation. Schantz A, et al. Arch Pathol 92:187-90, Sep 71

[Late damages after radiotherapy of malignant tumors in childhood. 1. Late results following irradiation of kidney tumors] Strietzel M, et al.
Radiobiol Radiother (Berl) 11:251-63, 1970 (Ger)

RADIOGRAPHY

Motion of the lumbar articular processes in flexion-extension and lateral flexions of the spine. Reichmann S.
Acta Morphol Neerl Scand 8:261-72, May 71

Vertebral scalloping in acromegaly. Stuber JL, et al.
Am J Roentgenol Radium Ther Nucl Med 112:397-400, Jun 71

Craniospinal dysraphia and segmental level of the axial skeleton. Barson AJ. J Pathol 101:Pxi, Aug 70

[Systematic radiologic examination of the spine during the admission examination of flight personnel.

Definition of normal and management of congenital abnormalities] Delahaye RP, et al.
Rev Corps Sante Armees 11:667-83, Oct 70 (Fre)
[Radiography of the spine in a sitting position. Its importance in aviation medicine] Delahaye RP, et al.
Rev Corps Sante Armees 10:571-4, Oct 69 (Fre)
[Radiodiagnosis of the costotransverse joint] Hohmann D, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:783-9, Jun 70 (Ger)
[Kidogram. A new gravitation direction considering radiologic method for measuring the spine. (Introduction of the concepts: flexure system, directional system and corpo-articular angle)] Gaizler G. Z Orthop 107:197-207, Jan 70 (Ger)
[Differentiation of different types of mucopolysaccharidosis by vertebral body and intervertebral disk indices] Brandner M, et al.
Ann Radiol (Paris) 14:321-8, Mar-Apr 71 (Mul)
[Changes on the cervical spine in the course of ankylosing spondylitis in our patients] Car A.
Reumatizam 17:169-75, 1970 (Cro)

SURGERY

[Spinal osteotomy by the anterior approach] Louis R.
Rev Chir Orthop 57:Suppl 1:163+, 1971 (Fre)
[Late results of vertebrotomy in tuberculous spondylitis] Wehrheim W.
Beitr Orthop Traumatol 18:312-23, Jun 71 (Ger)
[New chip-removing chisel for spondylodesis] Zielke K. Z Orthop 108:152-4, Jul 70 (Ger)
[Anterior approach to the spine] Weissman SL.
Harefuah 78:505, 15 May 70 (Heb)
[Posterior spondyliodesis in the treatment of scoliosis using homogenic bones] Tkachenko SS.
Vestn Khir 105:123-8, Oct 70 (Rus)
[Surgical treatment of myeloma patients with paraplegia] Unander-Scharin L.
Nord Med 85:255-6, 25 Feb 71 (Swe)

SPINOTHALAMIC TRACTS (A8)

ANATOMY & HISTOLOGY

The termination of the spinothalamic tract in the cat. An experimental study with silver impregnation methods. Boivie J. Exp Brain Res 112:331-53, 26 May 71

PHYSIOLOGY

Characteristics of two ascending pathways which originate in spinal dorsal horn of Macauco mulatta.
Price DD, et al. Brain Res 26:406-10, 5 Mar 71

SURGERY

[The pain threshold after spinothalamic chordotomy]
Papo I, et al. Neurochirurgie 16:513-24, Nov 70 (Fre)

SPIRAL ORGAN see ORGAN OF CORTI (A8, A9)

SPIRAMYCIN (D3)

Pharmaceutical benefits: deletion of spiramycin.
Scrimgeour N, et al. Med J Aust 1:48, 2 Jan 71
[Spiramycin derivatives. 2] Takahira H.
Jap J Antibiot 23:429-33, Aug 70 (Jap)

ADMINISTRATION & DOSAGE

[Spiramycin. Tissue concentration in the tonsils and adenoids. Research on a new posology in children and adult] Gaillard L, et al.
Lyon Med 225:419-24, 14 Mar 71 (Fre)

CHEMICAL SYNTHESIS

[Spiramycin derivatives. 1] Takahira H.
Jap J Antibiot 23:424-8, Aug 70 (Jap)

PHARMACODYNAMICS

Antibiotics and ureter. IV. Spiramycin. Benzi G, et al.
Arch Int Pharmacodyn Ther 187:269-75, Oct 70
Antibiotics against Mycoplasma associated with bovine mastitis. Socci A, et al.
Arch Vet Ital 21:235-43, 31 Aug 70
Action of antibiotics on the respiratory tract. V. Spiramycin. Benzi G, et al.
Farmaco [Sci] 26:424-34, May 71
[Bacteriostatic effect of tetracyclines-macrolides associations] Lajudie P de.
Pathol Biol (Paris) 19:607-12, Jun-Jul 71 (Fre)
[Action of a metronidazole-spiramycin association on anaerobic bacteria] Videau D.
Pathol Biol (Paris) 19:661-6, Jun-Jul 71 (Fre)
[Spiramycin derivatives. 1] Takahira H.
Jap J Antibiot 23:424-8, Aug 70 (Jap)

THERAPEUTIC USE

Spiramycine in the treatment of gonorrhoea.
Hamilton-Smith B, et al.
Appl Ther 12:24 passim, Aug 70
[Diagnosis and therapy of chronic female gonorrhea]
Kvicera J, et al. Cesk Dermatol 45:241-2, Sep 70 (Cze)
[Record of 8 years of use of spiramycin in pediatrics (apropos of 419 cases)] Flattot M, et al.
Pediatrie 23:321-8, Apr-May 68 (Fre)
[Therapeutic effect of rovamycin in the treatment of early lesions in chronic periodontitis] Guldener P.
Parodontologie 24:67-83, Sep 70 (Ger)

SPIRILLUM (B3)

Isolation and characterization of a bacteriophage Si 1 for Spirillum itersonii. Clark-Walker GD, et al.
J Gen Virol 11:139-45, Jun 71

CYTOLOGY

Studies on the cell wall of Spirillum serpens. 1. Isolation and partial purification of the outermost cell wall layer. Buckmire FL, et al.
Can J Microbiol 16:1011-22, Oct 70

DRUG EFFECTS

Selective release of proteins from Spirillum itersonii by tris (hydroxymethyl) aminomethane and ethylenediaminetetraacetate. Garrard WT.
J Bacteriol 105:93-100, Jan 71

ENZYMOLOGY

-aminolevulinic acid dehydratase of Spirillum itersonii and the regulation of tetrapyrrole synthesis. Ho YK, et al. Arch Biochem Biophys 144:734-40, Jun 71

GROWTH & DEVELOPMENT

[Fluorescent antibodies on growing bacteria. II. The formation of the new cell wall of Spirillum serpens] Wagner M.
Zentralbl Bakteriol [Orig] 203:378-85, 1967 (Ger)

SPIRITUALISM (K)

Mammy Water: folk beliefs and psychotic elaborations in Liberia. Wintrob RM.
Can Psychiatr Assoc J 15:143-57, Apr 70

SPIRO COMPOUNDS (D2)

ADMINISTRATION & DOSAGE

Reoccurrence of the microsporidan Perezia pyraustae in the European corn borer, Ostrinia nubilalis, reared on diet containing fumidil B. Lynch RE, et al.
J Invertebr Pathol 17:243-6, Mar 71
Clinical study of an injectable long-acting neuroleptic agent: fluspirilene (R 6218). Onkenhout LA, et al.
Psychiatr Neurol Neurochir 73:285-91, Jul-Aug 70
[Joint clinical study of a long term neuroleptic drug fluspirilene] Immich H, et al.
Arzneim Forsch 20:1699-701, Nov 70 (Ger)

CHEMICAL SYNTHESIS

[Studies on piperidine derivatives. IV. Studies on the synthesis of 3-oxo-1-thia-4,8-diazaspiro (4,5)decane derivatives. 2] Nakanishi M, et al.
J Pharm Soc Jap 91:657-66, Jun 71 (Jap)
[Studies on piperidine derivatives. 3. Studies on the synthesis of 3-oxo-1-thia-4,8-diazaspiro [4,5] decane derivatives. (1)] Nakanishi M, et al.
J Pharm Soc Jap 91:363-83, Mar 71 (Jap)
[Synthesis of spiro [4-hydroxycycloalkane-1,4'-2',3'-dihydro-6'-methoxy-2'-methyl-1-1'H-isoquinoline] derivatives under the conditions of Eschweiler-Clarke reaction] Shirai H, et al. J Pharm Soc Jap 90:1135-9, Sep 70 (Jap)

ISOLATION & PURIFICATION

[Structure of the antibiotic Roridin E] Traxler P, et al.
Helv Chim Acta 53:2071-85, 1970 (Ger)

PHARMACODYNAMICS

The pharmacology of fluspirilene (R 6218), a potent, long-acting and injectable neuroleptic drug. Janssen PA, et al. Arzneim Forsch 20:1689-98, Nov 70
Autoradiographic studies of the action of leucogenenol on leukocytes in the bone marrow, spleen, and peripheral blood of the rat. Rice FA, et al.
J Infect Dis 123:117-24, Feb 71
On the catatoxic effect of antimineralocorticoids. Selye H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:34-42, 1970
Neuroleptic drugs and the central dopaminergic system. Antagonism between L-dopa and some butyrophenones on the EEG and motor effects elicited by stimulation of the mesencephalon in the rabbit. Florio V, et al.
Neuropharmacology 10:45-54, Jan 71
Autoradiographic studies of the action of leucogenenol on the blood cells of the rat. Rice FA, et al.
Proc Soc Exp Biol Med 136:56-60, Jan 71
The influence of various neuroleptic drugs on noise escape response in rats. Niemegeers CJ, et al.
Psychopharmacologia 18:249-59, 1970
[Mechanisms of the leukocyte response to a substance isolated from Penicillium gilmanii; the leukogenenol] Fossati GC, et al.
Riv Emoter Immunoematol 16:91-100, 1969 (Ita)

THERAPEUTIC USE

Experience with fluspirilene (R 6218), a long-acting neuroleptic. Epen JH van.
Psychiatr Neurol Neurochir 73:277-84, Jul-Aug 70
[Value of fenspiride, a new eupneisant drug in asthmatics] Charpentier MJ, et al.
Bord Med 4:553-4 passim, Feb 71 (Fre)
[Clinical study of fenspiride in asthma and dyspneic chronic bronchopneumopathies] Pernod J, et al.
J Fr Med Chir Thorac 24:783-8, Nov-Dec 70 (Fre)
[A new drug for paroxysmal or chronic respiratory insufficiency] Phelip M.
Lyon Med 225:469-71, 14 Mar 71 (Fre)
[Spirazidin in the complex treatment of lung cancer] Shkrob OS, et al.
Khirurgiia (Mosk) 46:17-22, Aug 70 (Rus)

SPIROCHAETA (B3)

Slide impregnation method for Treponema pallidum and other spirochetes. Di Virgilio G, et al.
Lab Pract 19:1028-30, Oct 70
A virus associated with SR-spirochetes of Drosophila nebulosa. Oishi K, et al.
Proc Natl Acad Sci USA 67:1565-72, Nov 70

DRUG EFFECTS

In vitro susceptibility of oral spirochetes to metronidazole. Le Clair RA, et al.
J Dent Res 49:Suppl:1513-6, Nov-Dec 70
The in-vitro sensitivity of oral spirochaetes to metronidazole. Davies RM, et al.
J Periodont Res 5:183-6, 1970

ISOLATION & PURIFICATION

Mycoplasma salivarium in human gingival sulci. Engel LD, et al. J Periodont Res 5:163-71, 1970
Spirochaetal invasion of the colonic epithelium in swine dysentery. Taylor DJ, et al.
Res Vet Sci 12:177-9, Mar 71
Separation of relapsing fever spirochaetes from blood by DEAE cellulose anion exchanger. Ginger CD, et al.
Trans R Soc Trop Med Hyg 64:700-2, 1970
An agent possibly associated with swine dysentery. Blakemore WF, et al. Vet Rec 87:59-60, 11 Jul 70

PATHOGENICITY

Intestinal spirochaetosis. Lee FD, et al.
Gut 12:126-33, Feb 71

SPIROMETRY (E1)

Functional residual capacity and distribution of the inspired air in the premature baby: preliminary results. Ronchetti R, et al.
Acta Paediatr Belg 25:5-16, 1971
Expiratory flow rates determined by wedge and water spirometer in children and young adults. Levison H, et al. Acta Paediatr Scand 59:648-52, Nov 70
An aerosol inhalation apparatus for human single breath deposition studies. Palmes ED, et al.
Am Ind Hyg Assoc J 32:43-6, Jan 71
Total lung capacity measured by roentgenograms.
Harris TR, et al. Am J Med 50:756-63, Jun 71
LS-MFT: lung screening by meaningful function testing. II. Discher DP, et al.
Am J Public Health 60:2361-85, Dec 70
Comparison of direct and indirect measurement of airway resistance. A critical analysis of the forced vital capacity curve. Allen GW, et al.
Am Rev Resp Dis 104:61-71, Jul 71
Maximal static respiratory pressures in generalized neuromuscular disease. Black LF, et al.
Am Rev Resp Dis 103:641-50, May 71
Measurement of the total lung capacity by helium dilution in a constant volume system. Hathirat S, et al.
Am Rev Resp Dis 102:760-70, Nov 70
Rib cage and abdomen-diaphragm in bronchial asthma: relative contributions to air displacement. Marazzini L, et al. Am Rev Resp Dis 103:285-6, Feb 71
Measurement of total lung volume by helium dilution.
Stanescu D. Am Rev Resp Dis 104:134-5, Jul 71
A high-resolution radiorespirometer for continuous determination of respiratory 14CO2. Jacobsen DW, et al. Anal Biochem 39:402-11, Feb 71
The importance of preoperative pulmonary-function

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

evaluation. Belinkoff S, et al.
Anesth Analg (Cleve) 50:83-5, Jan-Feb 71
Pneumotachography by the ionization principle--a new approach. Jeretin S, et al.
Anesthesiology 35:218-23, Aug 71
Analysis of components of variation in a radiological method for determining total lung capacity. Reger RB, et al. Arch Environ Health 21:778-83, Dec 70
Hospital admissions pulmonary function screening project. Spotnitz M, et al. Ariz Med 28:593-3, Aug 71
Bronchial reactivity. Its measurement and clinical significance. Cade JR, et al.
Aust NZ J Med 1:22-5, Feb 71
Tidal volume stabilization to resistive loading during anaesthesia. Kafer ER, et al.
Br J Anaesth 43:718, Jul 71
The effects of variations in end-expiratory inflation pressure on cardiorespiratory function in normo-, hypo-and hypervolaemic dogs. Sykes MK, et al.
Br J Anaesth 42:669-77, Aug 70
The assessment of airflow obstruction. Role of measurements of airways resistance and of tests of forced expiration. Pride NB.
Br J Dis Chest 65:135-69, Jul 71 (33 ref.)
A long-term follow-up of respiratory symptoms and ventilatory function in a group of working men. Howard P. Br J Ind Med 27:326-33, Oct 70
Inspiratory obstruction. Clark TJ.
Br Med J 3:682-4, 19 Sep 70
Value of spirometric investigations in the assessment of the results of mitral commissurotomy. Cuchra-Zbien A, et al.
Bull Pol Med Sci Hist 14:35-6, Jan 71
Lateral position test: a simple, inexpensive, yet accurate method of studying the separate functions of the lungs. Hazlett DR, et al. Chest 59:276-9, Mar 71
Ventilatory function in healthy adult Nigerians. Femi-Pearse D, et al. Clin Sci 41:203-11, Sep 71
Effort and the forced expiratory volume in one second (FEV). Kemm JR, et al. Clin Sci 39:747-55, Dec 70
Factors determining the ventilatory response to carbon dioxide in chronic obstructive airways disease. King TK, et al. Clin Sci 39:653-62, Nov 70
Gas transport in the air phase of the lung simulated by a digital computer. Paiva M, et al.
Comput Biomed Res 3:675-89, Dec 70
Chronic respiratory disease among nonsmokers in Hagerstown, Maryland. II. Problems in the estimation of pulmonary function values in epidemiological surveys. Stebbings JH Jr. Environ Res 4:163-92, Apr 71
Recording of respiratory minute volume in the rat. Giovati A, et al. Farmaco [Prat] 25:512-5, Aug 70
Effect of yoga practices on vital capacity. (A preliminary communication). Bhole MV, et al.
Indian J Chest Dis 12:32-5, Jan-Apr 70
Evaluation of pulmonary function in the office. Allen TW. J Am Osteopath Assoc 70:712-5, Mar 71
Pulmonary function studies in the diagnosis of congestive heart failure. Wolfe GP.
J Am Osteopath Assoc 70:242-50, Nov 70
Vertical gradient of transpulmonary pressure with active and artificial lung expansion. Agostoni E, et al.
J Appl Physiol 29:705-12, Nov 70
Tidal volume and respiratory rate changes at start and end of exercise. Beaver WL, et al.
J Appl Physiol 29:872-6, Dec 70
Mechanical consequences of airway smooth muscle relaxation. Bouhuys A, et al.
J Appl Physiol 30:670-6, May 71
Rate of development of pulmonary O2 toxicity in man during O2 breathing at 2.0 Ata. Clark JM, et al.
J Appl Physiol 30:739-52, May 71
Surface forces and airway obstruction. Faridy EE, et al.
J Appl Physiol 30:319-21, Mar 71
Terminal bronchiole diameter changes with volume in isolated, air-filled lobes of cat lung. Klingele TG, et al.
J Appl Physiol 30:224-7, Feb 71
Analysis of test gas washout from lungs with varying tidal volume: theory. Scheid P, et al.
J Appl Physiol 31:292-5, Aug 71
Spirometric measurements in an Egyptian portland cement factory. el-Sewefy AZ, et al.
J Egypt Med Assoc 53:179-86, 1970
Studies on pulmonary function and respiratory tract symptoms of workers in an iron ore mine where diesel trucks are used underground. Jörgensen H, et al.
J Occup Med 12:348-54, Sep 70
Radiographic determination of total lung capacity in patients with cystic fibrosis. Hiller EJ, et al.
J Pediatr 78:435-40, Mar 71
The respirometer as a diagnostic and clinical tool in the speech clinic. Beckett RL.
J Speech Hear Disord 36:235-41, May 71
Pulmonary pressure and volume relationships in the dog. Normal whole and differential lung studies. Anderson RP. J Surg Res 11:202-8, Apr 71
Postural variations of the capacity in tetraplegics. Forner Valero JV. Paraplegia 8:176, Nov 70
XE133-radiospirometry for evaluation of congenital malformations of pulmonary arteries. Arborelius M Jr, et al. Pediatrics 47:529-36, Mar 71
Normal values of pulmonary ventilation in children. 3. Indices of total ventilatory efficiency. Kaczmarczyk J.
Pol Med J 9:1383-92, 1970
Normal values of pulmonary ventilation in children. IV. Indices of ventilation at rest and other indirect ventilation indices. Kaczmarczyk J.
Pol Med J 9:1393-8, 1970
Spirometric studies on normal Turkish subjects aged 21 to 40 years. Akgün N, et al. Respiration 28:54-73, 1971
Dorsal and-or ventral detectors in studies of regional lung function by 133Xe-radiospirometry. Aulin I, et al.
Scand J Clin Lab Invest 26:129-36, Sep 70
Distribution of pulmonary blood flow during the valsalva and Müller maneuvers. Bake B.
Scand J Clin Lab Invest 27:307-14, Jun 71
133Xenon radiospirometry with moving detectors. Normal values and repeatability. Korhonen O.
Scand J Clin Lab Invest 27:113-21, Apr 71
Simultaneous registration of ventilation and perfusion of the right and left lung in rabbits with a radiospirometric technique. Dale K.
Scand J Resp Dis 51:125-32, 1970
Comparison of 133 Xenon radiospirometry with moving detectors and bronchospirometry. Korhonen O, et al.
Scand J Resp Dis 52:63-6, 1971
Ventilatory capacity in a group of opium smokers. Koon LH, et al. Singapore Med J 11:75-9, Jun 70
Determination of lung volumes from chest films. O'Shea J, et al. Thorax 25:544-9, Sep 70
The relation between spirometric measurements and arterial blood gas analysis in patients with chronic airflow obstruction. Shibel EM, et al.
Thorax 25:598-603, Sep 70
[Estimation of aerobic capacity using a submaximal load with the step test. Comparison with values measured directly in healthy able young men] Simůček J. Cas Lek Cesk 109:1007-11, Sep 70 (Cze)
[Tonicity of the respiratory musculature] Zajíc F, et al.
Cesk Fysiol 19:89-95, Sep 70 (Cze)
[Significance of changes in the functional residual capacity] Zajíc F. Cesk Fysiol 19:79-87, Sep 70 (Cze)
[Variations of pulmonary vital capacity in pregnancy] Baldk K. Cesk Gynekol 35:468-70, Oct 70 (Cze)
[Peak expiratory flow-rate (Wright) in normal children. A simple study of respiration] Hoybye G.
Ugeskr Laeger 132:2007-9, 22 Oct 70 (Dan)
[Comparison of the peak expiratory volume and the maximum expired volume per second] Deroanne R, et al.
Acta Tuberc Pneumol Belg 60:57-65, Jan-Feb 69 (Fre)
[Pulmonary compliance and conductance during spontaneous calm respiration in severe anthracosilicosis] Petit JM, et al.
Acta Tuberc Pneumol Belg 61:515-20, 1970 (Fre)
[Value of spirometry in the detection of respiratory disorders in children] Novakova M, et al.
Arch Belg Med Soc 27:394-401, Jun 69 (Fre)
[Influence of age on postural variations of mobilizable pulmonary volumes in humans] Parot S, et al.
Arch Sci Physiol (Paris) 24:173-9, 1970 (Fre)
[Radiospirometry with 133xenon] Lassen NA.
J Fr Med Chir Thorac 24:679-84, Sep-Oct 70 (Fre)
[Interpretation of the changes in secondary maximal expiratory volume (VEMS) after an aerosol of acetylcholine and allergens in young asthmatics] Pham QT, et al.
J Fr Med Chir Thorac 22:533-42, Jul-Aug 68 (Fre)
[Validity of certain physical interpretations of the evolution of debts during forced expiration] Clément J, et al. J Physiol (Paris) 1:Suppl 1:107-8, 1969 (Fre)
[Determination of expired pulmonary volume from thoracic radiographies. Comparison with spirographic values] Liot F, et al.
J Physiol (Paris) 62:Suppl 3:407-8, 1970 (Fre)
[Functional pulmonary exploration in surgery] Poisvert M, et al. Laval Med 42:274-7, Mar 71 (Fre)
[Electrocardiographic, hemodynamic and respiratory function correlations in chronic bronchopneumopathy (46 cases)] Warembourg H, et al. Lille Med 14:1152-66, Dec 69 (Fre)
[Principles and clinical applications of a diagram representative of spirographic criteria] Drutel P, et al. Poumon Coeur 27:313-30, 1971 (Fre)
[Measurement of the functional residual capacity: comparison of 3 methods: spirographic, radiographic and plethysmographic method in 100 normal adults] Germouty J, et al.
Poumon Coeur 26:589-613, 1970 (Fre)
[Study of the ventilatory response to passive movement of the legs in paraplegics] Jaeger-Denavit O, et al.
Rev Eur Etud Clin Biol 15:654-66, Jun-Jul 70 (Fre)
[Can the VC (vital capacity)-time of the pneumometer replace the relative 1st-second capacity?] Böngen U.
Aerztl Forsch 25:260-7, 10 Aug 71 (Ger)
[Automatically controlled ergospirographic function analysis with direct electronic data processing] Waterloh E, et al.
Biomed Tech (Stuttg) 16:142-5, Aug 71 (Ger)
[Physiologic estimate of physical work capacity in patient with mitral stenosis after commissurotomy by spiroergometry] Kontowt A, et al.
Cor Vasa 13:25-31, 1971 (Ger)
[Spiroergometric examinations for the judgment of the physical load capacity in diabetics] Maidorn K.
Dtsch Med J 20:261-8, 20 Apr 69 (Ger)
[Age influence on the spiroergometric measurements in submaximal region] Hollmann W, et al.
Med Welt 28:1280-8, 11 Jul 70 (Ger)
[Electronic data processing in spiro-ergometric physical fitness tests] Waterloh E, et al.
Med Welt 22:926-31, 29 May 71 (Ger)
[A comparative study of residual volume in children and young people with plethysmography and helium method] Bankstahl A.
Pneumonologie 144:228-43, 1971 (Ger)
[Analysis and display of spiroergometric data by means of analog computation] Brandt HJ, et al.
Pneumonologie 143:61-77, 1970 (Ger)
[Effect of atmospheric factors and of SO2 and airborne dust emissions on intrabronchial flow resistance and intrathoracal gas volume of healthy and sick humans] Niehaus A, et al. Pneumonologie 143:1-14, 1970 (Ger)
[A simple method for extending the range of the Minimus pneumometer] Hildebrandt G, et al.
Prax Pneumol 24:776-80, Dec 70 (Ger)
[A slide-rule technic for the rapid computation of the normal intrathoracic gas volume] Schindl R, et al.
Prax Pneumol 25:39-42, Jan 71 (Ger)
[Refined lung function analysis in patients with extended lung infiltration and normal spirometry] Rütsche M, et al. Praxis 60:105-11, 26 Jan 71 (Ger)
[Stadidensigraphy in the preliminary diagnosis of pulmonary emphysema] Stier M, et al.
Radiol Diagn (Berl) 11:581-93, 1970 (Ger)
[The influence of body weight on static pressure volume diagrams of isolated rat lungs] Havránková J, et al. Respiration 28:186-96, 1971 (Ger)
[The equation of the fast vital capacity curve] Pavlik I.
Respiration 27:469-79, 1970 (Ger)
[Significance of inspiratory seconds capacity in the diagnosis of stenosing processes of the laryngeal and tracheal regions] Schönthal H, et al.
Verh Dtsch Ges Inn Med 75:951-4, 1969 (Ger)
[The spirographically controlled treatment of the chronic nonspecific respiratory syndrome] Pichler O.
Wien Med Wochenschr 121:223-6, 20 Mar 71 (Ger)
[Spirometric studies in the evaluation of broncho-spasmolysis] Szimak J.
Wien Med Wochenschr 120:105-8, 14 Feb 70 (Ger)
[Vital capacity and respiratory minute volume test in school children of the 4th and 5th grade in areas differing in their degree of air pollution] Grosser PJ, et al. Z Erkr Atmungsorgane 134:255-65, 1971 (Ger)
[In vivo determinations of various metabolic cycles in laying hens with different productivity] Niesar KH, et al. Z Tierphysiol 23:17-30, Sep 67 (Ger)
[Electrocardiogram, phonocardiogram and pneumogram of the Chinese hamster] Denac M.
Z Versuchstierkd 12:106-9, 1970 (Ger)
[Evaluation of the vital capacity in young athletes] Bracci C, et al.
Ann Ist Carlo Forlanini 29:188-92, 1969 (Ita)
[Respiratory function in normal subjects in the supine position. Volumetric ratio] Rambaldi M, et al.
Arch Tisiol Mal Appar Resp 24:726-42, Sep 69 (Ita)
[Forced inspiratory and expiratory volume in normal subjects as a function of age] Rambaldi M, et al.
Arch Tisiol Mal Appar Resp 24:743-52, Sep 69 (Ita)
[Continuous distribution of the specific tidal volume in normal subjects and patients with chronic obstructive pneumopathies] Cutillo A, et al.
Boll Soc Ital Biol Sper 45:1374-7, 15 Nov 69 (Ita)
[Relations between the distribution of inspired air and respiratory rate in normal subjects and patients with chronic obstructive pneumopathies] Cutillo A, et al.
Boll Soc Ital Biol Sper 45:1380-2, 15 Nov 69 (Ita)
[Relations between a method for determination of the continuous distribution of the specific tidal volume and other procedures for analysis of the curve of nitrogen elimination from the lung during oxygen respiration] Cutillo A, et al.
Boll Soc Ital Biol Sper 45:1377-9, 15 Nov 69 (Ita)
[Determination of various spimometric data in mucoviscidosis] Cracco G, et al.
Fracastoro 63:866-92, May-Aug 70 (Ita)
[Research on the behavior of various spirometric parameters studied on a population of over 60 healthy subjects] Sdraffa L, et al.
G Gerontol 18:145-51, Mar 70 (Ita)
[Relations between the entity of the respiratory functional damage and its electrocardiographic repercussions] Banaudi C, et al.
G Ital Mal Torace 24:237-43, Sep-Oct 69 (Ita)
[Comparative study on the radiologic and spirometric evolution of silicosis: examination of 224 cases] Saia B, et al. Med Lav 60:175-81, Mar 69 (Ita)
[Residual pulmonary volume in 500 aviation candidates as a parameter of function evaluation] Portaña L.
Minerva Med 61:1404-7, 7 Apr 70 (Ita)
[Blood gas analysis from the aspect of pulmonary function determination of PaCO2 and a-ADCO2 in the mixed venous blood by expiratory gas analysis] Tamura M. Jap J Clin Pathol 18:650-6, Sep 70 (Jap)
[Present status of respiratory function tests and evaluation of forced expiratory volume one second by predicted vital capacity in surgical treatment for pulmonary tuberculosis] Kokkaku 46:129-36, May 71 (Jap)
[Comparative assessment of several ventilatory indices used in epidemiological studies of chronic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

non-specific respiratory diseases] Jędrychowski W, et al. Gruzlica 39:315-21, Apr 71 (Pol)
[Evaluation of the respiratory ventilation reserve in bilateral paralysis of the vocal cords following thyroid surgery] Tiuchowski W, et al. Otolaryngol Pol 24:575-81, 1970 (Pol)
[Prognostic significance of some simple spirometric values in patients with chronic bronchitis] Sosnowski W. Pol Tyg Lek 26:990-3, 28 Jun 71 (Pol)
[Spirometric tests in epidemiological studies on chronic non-specific respiratory diseases] Wysocki M. Pol Tyg Lek 25:1912-5, 7 Dec 70 (26 ref.) (Pol)
[The vital capacity-height ratio in adults and its decrease as a function of age] Rachid J, et al. Hospital (Rio de J) 77:929-41, Mar 70 (Por)
[Determination of the vital capacity of 96 asthma patients in a rehabilitation program] Strauss A, et al. Hospital (Rio de J) 77:1933-41, Jun 70 (Por)
[Tests in sport activities] Gomes GS. Rev Bras Med 28:112-5, Mar 71 (Por)
[A means of calculating the average depth of respiration using spirograms] Tokarev PF, et al. Biull Eksp Biol Med 65:116-8, 1968 (Rus)
[Determination of the coefficient of forced vital capacity of the lungs in children] Kokin VS. Gig Sanit 35:115-6, Aug 70 (Rus)
[Results of clinical tests of the azotograph] Votchal BE, et al. Nov Med Priborostr 2:122-9, 1970 (Rus)
[Analysis of the expirogram in patients with pulmonary tuberculosis in association with bronchial asthma] Boush GV. Probl Tuberk 48:45-8, 1970 (Rus)
[Phase analysis of forced respiration in patients with destructive forms of pulmonary tuberculosis] Norefko BV. Probl Tuberk 48:62-5, 1970 (Rus)
[Correlation between blood gases and respiratory volumes in patients with respiratory insufficiency] Kabakov AI, et al. Ter Arkh 42:100-4, Oct 70 (Rus)
[Correlation between the magnitude of forced expiration and inspiration] Tagaĭ VA. Ter Arkh 43:19-21, Jan 71 (Rus)
[Vital capacity of the lungs during chronic suppurative lung diseases] Kukosh VI, et al. Vestn Khir 105:3-5, Dec 70 (Rus)
[Radiographic determination of residual air in the lung] Rozmarin ShV. Vestn Rentgenol Radiol 45:35-41, Jul-Aug 70 (Rus)
[The "KSF" apparatus for studying psychophysiological symptoms in control system operators] Fomin VS. Voen Med Zh 11:80-2, Nov 70 (Rus)
[Spirometry as a method for the evaluation of the functional condition of the lungs in respiratory tract diseases] Kotevski LJ, et al. God Zb Med Fak Skopje 16:51-62, 1970 (Ser)
[Clinical use of spirography in children] Nikolić P. Srp Arh Celok Lek 97:909-14, Sep 69 (Ser)
[Pulmonary ventilation in normal children. II. Mechanics orf respiration: timed vital capacity and maximal expiratory and inspiratory flows] Diaz Cruz A, et al. Rev Chil Pediatr 41:967-74, Oct 70 (Spa)
[Forced exhaust spirography in healthy and sick children in active phase of rheumatism] Zverisev OP. Pediatr Akush Ginekol 1:20-2, Jan-Feb 69 (Ukr)
[Comparative study of the bronchospasmolytic effect of alupent and aleudrine by spirometric examination of pulmonary ventilation] Juričić V. Lijec Vjesn 92:217-22, 1970 (Cro)
[Constrictive syndrome] Stevanović M. Med Glas 23:118-9, May-Aug 69 (Cro)

ADVERSE EFFECTS

[Problem of spirograph as a potential source of infection] Thomas E, et al. Z Gesamte Hyg 16:843-9, Nov 70 (Ger)

INSTRUMENTATION

Assessment of pulmonary function in postoperative patients using a simple apparatus--the McKesson vitalor. Sheiner NM, et al. Am J Surg 120:714-7, Dec 70
A carbon dioxide-mixing chamber--a simple device for continuous measurement of mean expired carbon dioxide. Jeretin S, et al. Anesthesiology 34:479-82, May 71
Evaluation of a new electronic spirometer. Visick WD, et al. Anesthesiology 34:475-8, May 71
The effect of repairs on the performance of the Wright respirometer. Lunn JN, et al. Br J Anaesth 42:1127-30, Dec 70
An instrument for the accurate measurement of MEFV parameters. Gulesian PJ Jr. IEEE Trans Biomed Eng 18:378-9, Sep 71
A spirometer for breath-by-breath measurement of VE. Duffin J, et al. J Physiol (Lond) 212:7P-8P, Jan 71
Simplified mobile equipment for 133Xe-radiospirometry. Arborelius M Jr, et al. Scand J Clin Lab Invest 26:125-8, Sep 70
[Possibilities for ergometric studies in pre-school children] Klimt F, et al. Kinderaerztl Prax 37:117-21, Mar 69 (Ger)
[Special ruler for the simplified interpretation of spirograms] Cegla U. Med Klin 66:816-8, May 71 (Ger)
[Ruler for simplified evaluation of spirograms] Münzberger E. Z Gesamte Hyg 16:543-4, Jul 70 (Ger)
[A device for exact registration of respiratory parameters of rats] Konza EA, et al. Fiziol Zh SSSR 56:447-8, Mar 70 (Rus)
[Determination of respiratory coefficient and sensitivity of respiratory center to carbon dioxide by means of SG-IM spirometer] Butenko AT. Klin Khir 1:72-4, Jan 70 (Rus)
[Integrator for a pneumotachygraph] Krishtul IB, et al. Nov Med Priborostr 2:130-4, 1970 (Rus)
[Rating of a pneumatic pickup for respiration] Mironova NS. Nov Med Priborostr 2:47-51, 1969 (Rus)
[Oxyspirocarbograph--an instrument for studying gas exchange and external respiration] Trofimovskiĭ MR, et al. Nov Med Priborostr 2:42-6, 1969 (Rus)
[Use of new instruments for studying gas exchange and external respiration in clinical practice] Vinnitskaia RS, et al. Nov Med Priborostr 2:33-8, 1969 (Rus)

STANDARDS

[Calibration of output meters by integral methods] Varène P, et al. J Physiol (Paris) 63:104A, Mar-Apr 71 (Fre)

VETERINARY

[Calculation of ventilatory volume from gas exchange intensity in broilers] Lovygin NA. Veterinariia 1:26-8, Jan 71 (Rus)

SPIRONOLACTONE (D2, D7)

Experimental production of so-called spironolactone bodies. Fisher ER, et al. Arch Pathol 91:471-8, May 71

ADMINISTRATION & DOSAGE

Spironolactone diuresis in patients with cirrhosis and ascites. Eggert RC. Br Med J 4:401-3, 14 Nov 70
High doses of spironolactone (Aldactone, SC-14266, Verospirone) alone and in combination with triamterene and-or diuretics in the treatment of refractory edema associated with secondary hyperaldosteronism. Radó JP, et al. Endokrinologie 57:46-62, 1970
Does prolonged pretreatment with large doses of spironolactone hasten a recovery from juxtaglomerular-adrenal suppression in primary aldosteronism? Morimoto S, et al. J Clin Endocrinol Metab 31:659-64, Dec 70
A spironolactone-hydroflumethiazide combination in hypertension. Practitioner 206:412-5, Mar 71
[Adjunction of spironolactone to anti-hypertensive treatment with thiazides. Double blind study] Froment A, et al. Presse Med 79:577-9, 13 Mar 71 (Fre)
[Chronic cardiac insufficiency and ventricular hyperexcitability: value of unjectable anti-aldosterone with quick action] Petitier H, et al. Therapeutique 47:15-9, Jan 71 (Fre)
[Spironolactone preparations] Clin Ter 53:83, 15 Apr 70 (Ita)
[Effect of long-term administration of spironolactone in massive dosage on the postoperative plasma renin activity in primary aldosteronism] Morimoto S, et al. Naika 28:535-40, Sep 70 (Jap)
[Spironolactone (Aldactone) as a stage in the treatment of hypertension] Storm-Mathisen H. Tidsskr Nor Laegeforen 91:224-5, 30 Jan 71 (Nor)
[The combination of aldosterone blockaders with thiazides in he treatment of arterial hypertension] Serbano PA, et al. Arch Inst Cardiol Mex 40:195-204, Mar-Apr 70 (Spa)

ADVERSE EFFECTS

[Experimental study on teratology of spironolactone] Seassaro E, et al. Quad Clin Ostet Ginecol 24:347-58, May 69 (Ita)

DIAGNOSTIC USE

[The spironolactone test at high dosage in the study of arterial hypertension with hyperaldosteronism] Caralps A, et al. Rev Clin Esp 120:355-62, 28 Feb 71 (Spa)

METABOLISM

The influence of spironolactone on its own biotransformation. Solymoss B, et al. Steroids 16:263-75, Sep 70

PHARMACODYNAMICS

Stimulation of barbiturate metabolism by spironolactone in mice. Gerald MC, et al. Arch Int Pharmacodyn Ther 187:120-4, Sep 70
Effects of hydrochlorothiazide, spironolactone and metyrapone on electrolyte excretion and zona glomerulosa width in the sodium depleted rat. Hofmann LM, et al. Arch Int Pharmacodyn Ther 185:76-84, May 70
Effect of spironolactone on the distribution and excretion of 203-HgCl2 in the rat. Garg BD, et al. Arzneim Forsch 21:815-6, Jun 71
Effect of spironolactone, norboletone, progesterone, hydroxydione and beta-diethylaminoethyl diphenylpropylacetate on the disappearance rate of indometacin from blood. Solymoss B, et al. Arzneim Forsch 21:384-6, Mar 71
The effect of spironolactone on sodium transport in the absence of aldosterone. Clarkson EM, et al. Clin Sci 39:16P, Dec 70
The effect of the spirolactone SC 14266 on the sodium transport across isolated frogskin. Nutbourne DM, et al. Clin Sci 39:16P, Dec 70
Inhibition by spironolactone of 7-hydroxymethyl-12-methylbenz(a)anthracene-induced adrenal necrosis in rats. Somogyi A, et al. Endokrinologie 56:245-7, 1970
Prevention of hypervitaminosis A by spironolactone and anabolic steroids. Tuchweber B, et al. Int Z Vitaminforsch 40:575-84, 1970
On the catatoxic effect of antimineralocorticoids. Selye H, et al. Naunyn Schmiedebergs Arch Pharmakol 266:34-42, 1970
Differential effect of spironolactone on the ulcerogenic and anti-inflammatory activities of indomethacin. Aspinall RL. Proc Soc Exp Biol Med 135:561-4, Nov 70
Stimulation of liver microsomal drug metabolism in male and female mice by spironolactone and aldadiene. Feller DR, et al. Proc Soc Exp Biol Med 136:1347-50, Apr 71
Spironolactone-induced proliferation of smooth-surfaced endoplasmic reticulum in the liver of rats. Kovács K, et al. Z Gesamte Exp Med 152:104-10, 1970
[Effect of aldactone on potassium storage in patients with ascitic cirrhosis] Lévy VG, et al. Ann Med Interne (Paris) 121:183-90, Feb 70 (Fre)
[Influence of spironolactone on the excretion of C21-, C19-, and C18 steroids in pregnant and nonpregnant women] Nocke L, et al. Acta Endocrinol [Suppl] (Kbh) 152:41, 1971 (Ger)
[Effect of spironolactone, etacrynic acid and furosemide on microsomal enzymes of rat liver] Leber HW, et al. Klin Wochenschr 49:116-8, 15 Jan 71 (Ger)

THERAPEUTIC USE

Role of the liver in the prevention of indomethacin-induced intestinal ulcers by spironolactone. Selye H. Acta Hepatosplenol (Stuttg) 17:393-7, Nov-Dec 70
Spironolactone (aldactone) bodies: concentric lamellar formations in the adrenal cortices of patients treated with spironolactone. Davis DA, et al. Am J Clin Pathol 54:22-32, Jul 70
Management of aldosteronism. Liddle GW. Am J Clin Pathol 54:331-2, Sep 70
Effect of spironolactone in hypertensive patients. Crane MG, et al. Am J Med Sci 260:311-30, Dec 70
Effect of spironolactone on body potassium in heart failure and hypertension. White R, et al. Br Heart J 31:394, May 69
A double-blind, controlled, clinical trial of spironolactone for benign prostatic hypertrophy. Castro JE, et al. Br J Surg 58:485-9, Jul 71
Suppression by spironolactone of 7,12-dimethylbenz(a)anthracene-induced mammary tumors. Kovacs K, et al. Eur J Cancer 6:195-201, Jun 70
Spironolactone in regimens for pseudointractable edema of heart failure. Gold H, et al. J Clin Pharmacol 11:125-34, Mar-Apr 71
Chemical prevention of myocardial necrosis. Selye H. Laval Med 41:595-8, Apr 70
Protection by spironolactone and oxandrolone against chronic digitoxin or indomethacin intoxication. Solymoss B, et al. Toxicol Appl Pharmacol 18:586-92, Mar 71
[Inhibitors of adreno-cortical hormone synthesis] Albeaux-Fernet M, et al. Annee Endocrinol 22:5-11, 1970 (Fre)
[Use of combined aldactone-altizide in obstetrics: 100 cases] Hartemann J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:315-8, Jun-Aug 69 (Fre)
[1st results of the use of Soludactone in the treatment of certain forms of cerebral edema] Ravon R, et al. J Med Lyon 51:885-92, 5 Apr 70 (Fre)
[Treatment of cirrhotic edemas with triamterene, amiloride and spirolactone. New clinical and biological facts] Vesin P. Schweiz Med Wochenschr 101:398-401, 20 Mar 71 (Fre)
[Variations of renin activity in hypertensive patients under aldactone therapy] Popov NG, et al. Med Welt 22:1207-9, 24 Jul 71 (Ger)
[On the therapy of myasthenia gravis. (Presentation of a case)] Henriquet F, et al. Minerva Anestesiol 36:277-81, Apr 70 (Ita)
[Clinical study of the use of "Spirolang" 50] Gentili G, et al. Minerva Med 62:816-27, 28 Feb 71 (Ita)
[Use of aldactone in hypertension and nephritis] Shul'ga IuD, et al. Vrach Delo 3:33-6, Mar 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Treatment of late pregnancy toxemias with aldactone] Kavunets GP.
Pediatr Akush Ginekol 2:43-5, 1971 (Ukr)

SPIROSTANS (D2)

ANALYSIS

[Presence of chlorogenin beside the diosgenin and gitogenin in Tribulus terrestris L.] Gheorghiu A, et al.
Ann Pharm Fr 26:745-8, 1968 (Fre)

SPIRUROIDEA (B1)

Intraocular nematode in man. Schultz GR.
Am J Ophthalmol 70:826-9, Nov 70
Gnathostoma spinigerum: an unusual cause of ocular nematodiasis in the western hemisphere. Tudor RC, et al. Am J Ophthalmol 72:185-90, 30 Jul 71
Penetration of the skin by Gnathostoma spinigerum larvae. Daengsvang S, et al.
Ann Trop Med Parasitol 64:399-402, Sep 70
Incidence of Spirocerca lupi in dogs in the Port Moresby area of Papua and New Guinea. Talbot NT.
Aust Vet J 47:189-91, May 71
Occurrence of Thelazia gulosa Railliet and Henry, 1910 in India. Bhopale KK, et al.
Indian Vet J 48:346-8, Apr 71
Transthoracic esophageal surgery for obstructive lesions caused by Spirocerca lupi in dogs. Colgrove DJ.
J Am Vet Med Assoc 158:2073-6, 15 Jun 71
Physalopteroides versicoloris n. sp. from garden lizard Calotes versicolor. Deshmukh PG.
Riv Parassitol 30:125-8, Jun 69
[Parasite in the conjunctival sac, Thelazia callipaeda] Tanaka R.
Ophthalmology (Tokyo) 12:732-8, Sep 70 (Jap)

ANATOMY & HISTOLOGY

Morphological variation in the gullet nematode, Gongylonema pulchrum Molin, 1857, from eight species of definitive hosts with a consideration of Gongylonema from Macaca spp. Lichtenfels JR.
J Parasitol 57:348-55, Apr 71
Notes on Gongylonema pulchrum Molin, 1857 (Nematoda: Spiruridae) in the gray squirrel in southwestern Virginia. Parker JC, et al.
J Parasitol 57:629, Jun 71
Didelphonema longispiculata (Hill, 1939) Wolfgang, 1953 (Nematoda: Spiruroidea) and other helminths from the opossum (Didelphis marsupialis virginiana) in Georgia. Stewart TB, et al.
J Parasitol 57:687-8, Jun 71
[Helminth parasites of wild animals of Senegal. 2. Syncuaria (Skrjabinocara) leptoptili Gedoelst 1916, Syncuaria (Skrjabinocara) bressoui n. sp. (Nematoda) and Balfouria monogama Leiper 1908 (Trematoda), in Leptoptilus crumenifer (Less.) (marabou stork)] Gretillat S.
Ann Parasitol Hum Comp 45:279-88, May-Jun 70 (Fre)

DRUG EFFECTS

The filaricidal effect of basically substituted 2,6-bis-benzimidazoles in Litomosoides carinii infection of the cotton rat (Sigmodon hispidus). Raether W, et al.
Ann Trop Med Parasitol 65:107-15, Mar 71

GROWTH & DEVELOPMENT

Infectivity of Gnathostoma spinigerum larvae in primates. Daengsvang S. J Parasitol 57:476-8, Jun 71
[Larval morphogenesis of the spirurid Mastophorus muris (Gmelin, 1790)] Quentin JC.
Ann Parasitol Hum Comp 45:839-55, Nov-Dec 70 (Fre)

PATHOGENICITY

Heligmosomoides polygyrus (=Nematospiroides dubius) from wild rodents of northern California: natural infections, host specificity, and strain characteristics. Forrester DJ.
J Parasitol 57:498-503, Jun 71

SPITZER MENTAL STATUS SCHEDULE see under PSYCHIATRIC STATUS RATING SCALES (F3)

SPLANCHNIC NERVES (A8)

[Infiltration of the splanchnic nerves in the treatment of acute pancreatitis] Prior C, et al.
Minerva Chir 22:856-8, 15 Aug 67 (Ita)

ANALYSIS

Chromogranins in the catecholamine-storing granules of the adrenal medulla and the splenic nerve trunk. Helle KB. Acta Physiol Scand 9, 1970
Biochemistry of catecholamine storage: some similarities between whole sympathetic nerve trunk vesicles and the membranes of adrenomedullary vesicles. Helle KB, et al.
Acta Physiol Scand 81:565-7, Apr 71

ANATOMY & HISTOLOGY

[Analysis of statistical variance in the passage of splanchnic nerves through the diaphragm] Loeweneck H, et al. Anat Anz 126:531-47, 1970 (Ger)
[Source of innervation of hepatic veins] Sapozhkova MIa. Arkh Anat Gistol Embriol 58:107-10, 1970 (Rus)

DRUG EFFECTS

Modification by glucagon of the splanchnic vascular responses to activation of the sympathicoadrenal system. Kock NG, et al. J Surg Res 11:12-7, Jan 71
[Alterations of the electrical response of sympathetic nerves to acute hypotension by diazoxide] Schmitt H, et al. Therapie 24:523-30, May-Jun 69 (Fre)
[On the gangliioplegic effect of a hydrazinopyridazine derivative with hypotensive properties] Bobulescu V.
Fiziol Norm Patol 17:269-76, 1971 (Rum)

METABOLISM

Two populations of noradrenaline-particles in the dog spleen. De Potter WP, et al.
Acta Physiol Scand 7-8, 1970
Electron microscopical and biochemical studies on transport of noradrenaline-containing granules. Mayor D, et al. Acta Physiol Scand 16, 1970
[Acetylcholine concentration in the fibers of the trunk of the greater splanchnic nerve and in the blood of the adrenal vein during stimulation of the splanchnic nerve] Klimenko EM.
Fiziol Zh SSSR 56:1606-11, Nov 70 (Rus)

PATHOLOGY

[Osteophytes compressing the sympathetic trunks and the splanchnic nerves in the thorax and abdomen] Nathan H. Harefuah 78:51-5, 15 Jan 70 (Heb)

PHYSIOLOGY

Evoked splanchnic potentials produced by electrical stimulation of medullary vasomotor regions. Gootman PM, et al. Exp Brain Res 13:1-14, 26 Jul 71
Intrarenal distribution of blood flow and cortico-medullary sodium gradient after unilateral splanchnicotomy in the dog. Bencsáth P, et al.
J Physiol (Lond) 212:629-40, Feb 71
The glycogenolytic response to stimulation of the splanchnic nerves in adrenalectomized calves. Edwards AV, et al. J Physiol (Lond) 211:109-24, Nov 70
The glycogenolytic response to stimulation of the splanchnic nerves in adrenalectomized calves, sheep, dogs, cats and pigs. Edwards AV.
J Physiol (Lond) 213:741-59, Mar 71
The effect of splanchnic nerve stimulation on gastric acid secretion and mucosal blood flow in the anaesthetized cat. Reed JD, et al.
J Physiol (Lond) 214:1-13, Apr 71
Modification by glucagon of the splanchnic vascular responses to activation of the sympathicoadrenal system. Kock NG, et al. J Surg Res 11:12-7, Jan 71
Reflex sympathetic responses produced by activation of vibrational receptors. Miyamoto J, et al.
Jap J Physiol 20:725-40, 15 Dec 70
Effects of injection of live Escherichia coli organisms on dogs after denervation of the abdominal viscera. Kux M, et al. Surgery 70:392-8, Sep 71
[Limits and distribution of the splanchnic afferents at the level of the spinal ganglia in the rat] Mei N, et al.
C R Soc Biol (Paris) 164:1058-62, 1970 (Fre)
[Reflex action of different types of splanchnic nerve afferent fibers on the blood pressure] Franc Z, et al.
J Physiol (Paris) 62:Suppl 3:375, 1970 (Fre)
[Study of the electrical and mechanical activities in stomach smooth muscle: effects of splanchnic nerve stimulation, catecholamine, reserpine and phentolamine] Sakamoto S.
J Kumamoto Med Soc 45:229-39, 25 Feb 71 (Jap)
[Conduction of nervous impulses in fibers of the greater splanchnic nerve leading to the adrenal medulla in the cat] Klimenko EM.
Biull Eksp Biol Med 69:7-10, Mar 70 (Rus)
[Neural control of the motor functions of the gallbladder] Klimov PK, et al.
Biull Eksp Biol Med 65:16-9, 1968 (Rus)
[The effect of stimulating the efferent fibers of the splanchnic nerves on renal tubular activity] Lysov VF.
Biull Eksp Biol Med 66:29-32, 1968 (Rus)
[The effect of stimulating the interoceptors of the ileocecal region on the motoricity of the large intestine] Vorob'eva NM.
Biull Eksp Biol Med 65:13-6, 1968 (Rus)
[Impulsation of the central and peripheral segments of the splanchinc and vagus nerves during chemical stimulation of the small intestine mucous membrane] Itina LV. Fiziol Zh SSSR 57:95-102, Jan 71 (Rus)
[Visceral representation in the cat caudate nucleus] Lobanova LV. Fiziol Zh SSSR 56:172-8, Feb 70 (Rus)
[The role of the splanchnic nerves in the choleretic activity of bile acids] Mel'nikov VP.
Fiziol Zh SSSR 56:1059, 1970 (Rus)
[Standing waves or segmental vasoconstriction?] Bergquist E, et al. Nord Med 85:634, 20 May 71 (Swe)

SURGERY

Splanchnicectomy in chronic pancreatitis: application and effect. Vossschulte K, et al.
Minn Med 53:1053-9, Oct 70
[Developmen of th duodenogram in chronic and recurrent pancreatitis treated by left splanchnicectomy and celiac ganglioectomy] Mallet-Guy, et al.
Arch Fr Mal App Dig 57:933-48, Nov 68 (Fre)
[Total pancreatic antalgia by bilateral splanchnicectomy in 1-stage operation] Vaysse J, et al.
J Chir (Paris) 100:167-78, Sep 70 (Fre)
[Indications and possibilities of splanchnicectomy in chronic pancreatitis] Cariati E.
Lyon Chir 66:414-6, Nov-Dec 70 (Fre)
[Splanchnic neurectomy combined with excision of semilunar ganglion in the treatment of persistent pain of pancreatic origin] Szlachta E, et al.
Pol Przegl Chir 43:37-40, Jan 71 (Pol)

SPLANCHNOPTOSIS see VISCEROPTOSIS (C4)

SPLEEN (A7)

A study of some histochemical and phagocytic reactions of the reticuloendothelial system of the rabbit spleen. Snodgrass MJ, et al.
Anat Rec 170:243-53, Jun 71
Bilateral diaphragmatic hernia from blunt injury causing a Budd-Chiari syndrome: use of liver and spleen scan in demonstrating the defects. Clay MG, et al. Ann Surg 173:321-4, Feb 71
Induction of antipertussis agglutinins in normal and previously stimulated mice by immune mice spleen nucoproteins. Ghyka G, et al.
Arch Roum Pathol Exp Microbiol 28:445-52, Jun-Sep 69
In vitro cultures of rabbit spleen. Differentiation and pseudodifferentiation of plasma cells in short and long-term cultures. Teodorescu M, et al.
Arch Roum Pathol Exp Microbiol 28:237-46, Mar 69
The measurement of splenic red cell volume. Williams ED, et al. Br J Radiol 44:403, May 71
Widespread occurrence of inhibitors of melanoma tyrosinase in plant and mammalian tissues. Menon IA, et al. Experientia 27:844-5, Jun 71
Demonstration of the common precursor for production of IgM and IgG antibodies. Sterzl J, et al.
Folia Microbiol (Praha) 16:1-11, 1971
Further studies on the biological properties of Friend virus-induced leukemic cells differentiating along the erythrocytic pathway. Rossi GB, et al.
J Cell Physiol 76:159-66, Oct 70
Further characterization of the WI-L1 and WI-L2 lymphoblastoid lines. Levy JA, et al.
J Natl Cancer Inst 46:647-54, Mar 71
Primate liver and spleen biopsy procedures. Voss WR.
Lab Anim Care 20:995-7, Oct 70
Growth of an allogeneic tumor in lethally irradiated mice treated with sensitized and unsensitized spleen cells. Riches AC, et al. Radiat Res 44:87-96, Oct 70
Changes in liver and spleen scans of patients during treatment with two hypolipidemic drugs. Dujovne CA, et al. Radiology 98:683-4, Mar 71
Methyl green-pyronin for staining autoradiographs of hydroxyethyl methacrylate-embedded lymphoid tissue. North RJ. Stain Technol 46:59-62, Mar 71
Migration of transplanted hematopoietic stem cells to the spleen of irradiated mice. Boggs DR, et al.
Transplantation 11:191-2, Feb 71
[Influence of semisyngenic splenic cells on the proportion of takes and growth of a syngenic tumor in mice] Robert J.
C R Soc Biol (Paris) 164:1334-9, 1970 (Fre)
[Scintigraphy of the spleen using 113m indium labelled erythrocytes] Imhof H, et al.
Biut 21:162-7, Sep 70 (Ger)
[The history of spleen research. Retrospectiveand prospectiveiew. In memory of Robert Herrlinger (1914-1968)] Ischendorf F.
Ergeb Anat Entwicklungsgesch 42:3-59, 1970 (Ger)
[Value of combined splenic scintigraphy and function test in the evaluation of therapeutic measures in hematologic-oncologic diseases] Fischer J, et al.
Verh Dtsch Ges Inn Med 75:507-10, 1969 (Ger)
[Combined splenic scintigraphy and function test: a new differential diagnostic criterion in chronic myeloid leukemia and myelofibrosis] Roux A, et al.
Verh Dtsch Ges Inn Med 75:510-3, 1969 (Ger)
[Slide method of the plaque technic] Hein H, et al.
Zentralbl Bakteriol [Orig] 215:398-400, 1970 (Ger)
[The biological activity of mixtures of foot-and-mouth disease virus and serums in animal experiments on mice pretreated unspecifically (cattle spleen extract)] Läbke A.
Zentralbl Bakteriol [Orig] 204:165-72, 1967 (Ger)
[Action of the splenic factor in experimental cardiac insufficiency induced with volume overloading]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Aufiero C, et al.
Boll Soc Ital Biol Sper 46:699-702, 15 Sep 70 (Ita)
[Action of the splenic factor in experimental cardiac insufficiency induced with propranolol] Aufiero C, et al. Boll Soc Ital Biol Sper 46:695-8, 15 Sep 70 (Ita)
[Action of acellular spleen homogenate on the cardiovascular system of dogs with experimental infarct] Scapicchio A, et al.
Boll Soc Ital Biol Sper 45:1344-7, 15 Nov 69 (Ita)
[Analysis of the rejection reaction of skin homografts. Inhibition of the delayed hypersensitivity reaction by periomodermal injections of homo-specific lymphoreticular tissue homogenate, in the guinea pig] Craviotto C, et al.
Riv Anat Patol Oncol 35:281-91, 1969 (Ita)
[Radioisotope scanning of the liver and spleen in cases of schistosomiasis japonica] Nagatani M, et al.
Naika 26:541-6, Sep 70 (Jap)
[Successive abdominal scintillation with 131-I-tagged BSP--description of the thyroid gland, kidney and spleen (comparison with 131-I-RB)] Imaeda T, et al.
Rinsho Hoshasen 15:803-17, Nov 70 (Jap)
[Comparison of eosinopenia caused by acupuncture of the spleen-pancreas meridian with tests of adrenal cortex stimulation (ACTH and insulin)] Vlase L, et al.
Stud Cercet Endocrinol 21:509-13, 1970 (Rum)
[The effect of cell and tissue extracts on the growth of culture cells] Kochergina NI, et al.
Biull Eksp Biol Med 71:86-8, Mar 71 (Rus)
[Role of scanning the liver and spleen with gold colloid solutions in the differential diagnosis aleukemic reticulosis] Fafnshtein FE, et al.
Probl Gematol Pereliv Krovi 15:9-14, Sep 70 (Rus)
[Effect of Splenin on certain metabolic indices in patients with atherosclerosis] Golovtsev IuN.
Ter Arkh 41:66-70, Sep 69 (Rus)
[Quaternary structure of cathepsin C from bovine spleen] Benenson AM, et al.
Vopr Med Khim 17:54-7, Jan-Feb 71 (Rus)

ABNORMALITIES

Ectopic spleen in an Rh incompatible infant. Iancu T, et al. Acta Paediatr Scand 60:353-6, May 71
Recurrent thrombocytopenia in Gaucher's disease responding to a second "splenectomy": report of a case. Vogel JM, et al.
Am J Clin Pathol 55:489-95, Apr 71
Lymphangiectasis and other pulmonary lesions in the asplenia syndrome. Esterly JR, et al.
Arch Pathol 90:553-60, Dec 70
An anatomical aberration of spleen. Pachauri SP, et al.
Indian Vet J 47:1138-9, Dec 70
Malrotation of the bowel in patients with congenital heart disease associated with splenic anomalies. Moller JH, et al. Radiology 99:393-8, May 71
[2 cases of pedicular torsion of ectopic spleens] Courbil LJ, et al.
Bull Soc Med Afr Noire Lang Fr 15:381-3, 1970 (Fre)
[Thoracic transposition of the spleen] Leger L, et al.
Mem Acad Chir (Paris) 95:364, 1969 (Fre)
[The lien caudatus from the surgical and pathologic-anatomical viewpoint] Bindernagel G, et al. Bruns Beitr Klin Chir 218:555-66, Mar 71 (Ger)
[Ivemark's syndrome (spleen agenesia-syndrome)] Féaux de Lacroix W, et al.
Med Welt 27:1109-12, 10 Jul 71 (Ger)
[Scrotal accessory spleen] Venzoni M, et al.
Minerva Chir 25:1299-307, 15 Oct 70 (Ita)

ANALYSIS

Depletion of mono-amines in kidney, spleen and heart vessels in mice with experimental ascites. Tallqvist G, et al. Acta Pathol Microbiol Scand [A] 78:305-12, 1970
Splenic deposits of melanin in black mink. Nordstoga K, et al. Acta Vet Scand 12:148-50, 1971
Rare earths in the human body. II. Yttrium and lanthanides in the spleen. Erämetsä O, et al.
Ann Med Exp Biol Fenn 49:35-7, 1971
The mechanism of "biochemical shock". I. The correlation between the accumulation of some thiol radioprotectors in rat tissues and biochemical changes induced by them. Filippovich IV, et al.
Biochem Pharmacol 19:2533-40, Sep 70
The bromine content of human issue. Crampton RF, et al. Br J Nutr 25:317-22, Mar 71
Circular dichroism of gangliosides from normal and Tay-Sachs tissues. Stone AL, et al.
Chem Phys Lipids 6:274-9, Jul 71
Carbohydrate components of extraneuronal gangliosides from bovine and human spleen, and bovine kidney. Wiegandt H, et al.
Eur J Biochem 15:287-92, Aug 70
Isolation and properties of ferritin from dolphin (Delphinus cetacea) spleen. Kato T, et al.
J Biochem (Tokyo) 68:681-7, Nov 70
Comparison of lysine-rich histones in various normal and neoplastic mouse tissues. Hohmann P, et al.
J Nati Cancer Inst 47:337-41, Aug 71
Hepatic and splenic glycolipids in a case of Niemann-Pick disease. Kawamura N.
Jap J Exp Med 41:221-32, Jun 71
Relation between the cell wall composition and susceptibility of Salmonella typhimurium to anti-salmonella substance extracted from mouse spleens. Nakano M, et al.
Jap J Microbiol 15:99-101, Jan 71
Saturated hydrocarbons in human tissues. 3. Oil droplets in the liver and spleen. Boitnott JK, et al.
Johns Hopkins Med J 127:65-78, Aug 70
Evidence for 2 types of noradrenaline storage particles in dog spleen. Chubb IW, et al.
Nature (Lond) 228:1203-4, 19 Dec 70
Separation by polyacrylamide gel electrophoresis of RNA from the spleens of immunized mice. Majer J, et al. Proc Soc Exp Biol Med 136:942-5, Mar 71
Histochemistry of the pigments found in the liver, spleen and kidney of the fresh-water fish. Tokumaru M, et al. Rev Bras Biol 30:163-71, Jun 70
The demonstration of a leukocyte release control substance from mouse and human spleen. Minton JP, et al. Surg Forum 21:386-7, 1970
[Gaucher's disease: determination of total lipids and cerebrosides in the spleen] Hoebeke J, et al.
Ann Soc Belg Med Trop 49:489-96, 1969 (Fre)
[Liberation of a non-specific soluble cytotoxic factor by splenic cells in the presence of phytohemagglutinin] Hottier D, et al.
Rev Eur Etud Clin Biol 15:806-10, Aug-Sep 70 (Fre)
[Niemann-Pick disease in the adult. Lipid analyses of the body organs and the brain of autopsy- resp. biopsy material from two cases] Pilz H.
Dtsch Med Wochenschr 95:1905-10, 18 Sep 70 (Ger)
[Sex-specific differences in the corticosteroid hormone content of rat organs and tissues] Fazekas AT. Endokrinologie 57:166-75, 1971 (Ger)
[Augmentation of bis(monoacylglycerin)phosphric acid in sphingomyelinosis (M. Niemann-Pick?)] Seng PN, et al.
Hoppe Seylers Z Physiol Chem 352:280-8, Feb 71 (Ger)
[Neuraminic acid-free glycosphingolipids from bovine spleen] Tschöpe G.
Hoppe Seylers Z Physiol Chem 352:71-7, Jan 71 (Ger)
[Inhibitory effect of L-cysteine and methionine on amyloid formation] Kornejewa TS.
Z Gesamte Inn Med 25:1064-7, 1 Dec 70 (Ger)
[Time course of the concentration of Mn, Cu and Zn in liver, spleen and thymus of rats with Yoshida ascites sarcoma] Zimmerer J, et al.
Z Krebsforsch 74:15-9, 1970 (Ger)
[Effect of antineoplastic agents on the accumulation of collargol in cells of the reticuloendothelial system] Korol'chuk VP, et al.
Farmakol Toksikol 33:707-11, 1970 (Rus)

ANATOMY & HISTOLOGY

Quantitative studies of haemopoietic spleen colonies in rats treated with cytotoxic chemicals. Dunn CD, et al.
Br J Haematol 19:755-64, Dec 70
Estimation of splenic volume in vivo. Keeling DH, et al.
Br J Radiol 44:403, May 71
Weight changes in different organs of the mouse at two levels of reduced atmospheric pressure. Clegg EJ.
J Appl Physiol 30:764-7, May 71
Structure of the ellipsoid sheath in the spleen of the armadillo (Dasypus novemcinctus). A light and electron microscopic study. Hayes TG.
J Morphol 132:207-23, Oct 70
Dimensions of the normal adult spleen scan and prediction of spleen weight. Larson SM, et al.
J Nucl Med 12:123-6, Mar 71
Scan evidence of organ involution and improvement of hypersplenism in Hodgkin's disease following splenic artery ligation. Nuland SB, et al.
J Nucl Med 11:692-4, Nov 70
Evaluation of spleen size during routine liver imaging with 99mTc and the scintillation camera. Sigel RM, et al. J Nucl Med 11:689-92, Nov 70
Estimation of functional size of the spleen. Spencer RP.
J Nucl Med 11:616, Oct 70
Normal spleen size. DeLand FH.
Radiology 97:589-92, Dec 70
The determination of spleen mass from radionuclide images. Rollo FD, et al. Radiology 97:583-7, Dec 70
Effects of adrenalectomy and antigenic stimulation on spleen weight in mice. Kieffer JD, et al.
Transplantation 11:45-9, Jan 71
[Morphofunctional characteristics of lymphoid organs and adrenal glands in microbe-free guinea pigs] Chakhava OV, et al.
Arkh Anat Gistol Embriol 58:28-34, Jun 70 (Rus)
[Determination of spleen size by means of 99mTe and gamma camera in polycythemia] Westin J, et al.
Nord Med 84:1572, 3 Dec 70 (Swe)

BLOOD SUPPLY

Splenic blood flow in idiopathic portal hypertension in Japan measured by 85Kr clearance method. Ueda H, et al. Acta Hepatosplenol (Stuttg) 18:28-40, Jan-Feb 71
Immunohistochemical study of arteriolar (simple) hyalinosis in spleen. Krawczyński K.
Am J Pathol 62:253-64, Feb 71
Control of portal blood flow--humoral mechanisms. Hutchin P, et al. Ann Surg 173:78-84, Jan 71
Actions of prostaglandin F2-alpha on the splenic vascular and capsular smooth muscle in the dog. Davies BN, et al. Br J Pharmacol 41:1-7, Jan 71
Spleen blood flow. Goddard BA.
Br J Radiol 44:404, May 71
A study of the spleen volume in dogs by means of labelled with 32P erythrocytes. Nachev N, et al.
Dokl Bolg Akad Nauk 22:827-30, 1969
"Multitubular bodies" in the blood stream. Langer KH.
Klin Wochenschr 48:1195-7, 1 Oct 70
Antibody to nuclear material eluted from isolated spleen vessels in systemic lupus erythematosus. Svec KH, et al. Science 170:550-1, 30 Oct 70
Anatomical hazards to the passage of erythrocytes through the spleen. Weiss L, et al.
Semin Hematol 7:372-80, Oct 70
A method for high resolution renal and splenic microangiography. Thompson DP, et al.
Surg Gynecol Obstet 132:101-8, Jan 71
[Study of the splenic area in splenoportography: the iodinated injection puddle, the intra- and perisplenic opacified veins. Normal and pathological aspects] Pietri H, et al.
Acta Gastroenterol Belg 32:605-27, Sep 69 (Fre)
[Angiographic diagnosis of splenic rupture] Kaick G van, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:633-40, May 70 (Ger)
[Splenic portal hypertension (clinical and experimental research)] D'Addato M.
Acta Chir Ital 25:661-723, Nov-Dec 69 (Ita)
[Peripheral and visceral rheography withi infinite time constant. II. Hepato-splenic rheography (semiquantitative blood flow velocity determination)] Garbini GC, et al.
Arch Patol Clin Med 45:443-62, Sep 69 (Ita)
[Effect of phenylalanine-2-iysyl-8 vasopressin (PLV-2) on spleen circulation] Pastorini C, et al.
Minerva Gastroenterol 16:159-63, Oct-Dec 70 (Ita)
[Measuring of the splenic blood flow with devitalized blood cells] Tizianello A, et al.
Minerva Med 61:5641-6, 8 Dec 70 (Ita)
[Ultrastructural observations on the penicilliary arterioles of the normal rabbit spleen] Ferreli A, et al.
Pathologica 59:519-26, Nov-Dec 67 (Ita)
[Systemic obeservations on the behavior of the penicilliary arterioles in various types of splenic diseases] Ferreli A, et al.
Pathologica 59:527-37, Nov-Dec 67 (Ita)

CYTOLOGY

Phylogenesis of mast cells. II. Ultrastructure of mast cells in the frog. Csaba G, et al.
Acta Biol Acad Sci Hung 21:255-64, 1970
The quantitative bone marrow and spleen composition in male NMRI and CBA mice. Beran M, et al.
Acta Haematol (Basel) 45:55-64, 1971
A mathematical analysis of endogenous-spleen-colony-formation in irradiated mice. Ueno Y. Acta Haematol Jap 33:291-8, Jun 70
Morphological-histochemical comparison of dog and cat splenic ellipsoid sheaths. Jacobsen G.
Anat Rec 169:105-13, Jan 71
The red pulp of the rabbit spleen studied under the scanning electron microscope. Miyoshi M, et al.
Arch Histol Jap 32:289-306, Sep 70
The role of the splenic macrophage in antihemophilic factor (factor VIII) synthesis. Ponn RB, et al.
Arch Surg 103:398-401, Sep 71
Free and membrane-bound polyribosomes in normal and Rauscher-virus-infected mouse spleen cells. Burghouts JT, et al. Biochem J 119:749-56, Oct 70
Stem cell migration and proliferation during severe anemia. Rencricca NJ, et al. Blood 36:764-71, Dec 70
Separation of erythropoietin-sensitive cells from hemopoietic spleen colony-forming stem cells of mouse fetal liver by unit gravity sedimentation. Stephenson JR, et al. Blood 37:417-27, Apr 71
Electron microscopic study on acid phosphatase of macrophges during the breakdown of erythrocytes in the spleen of the rat. Spors S. Blut 21:244-50, Oct 70
RNA synthesis in nuclei isolated from normal and Friend virus-infected mouse spleen. Munson BR, et al.
Cancer Res 30:2414-9, Sep 70
Detachment of L cells in the presence of normal mouse spleen cells in vitro; a quantitative study. Goistein P.
Clin Exp Immunol 7:885-95, Dec 70
Characterization of two different types of direct plaque-forming cells. John UW, et al.
Clin Exp Immunol 6:913-8, Jun 70
The effect of ionizing radiation on haemolytic plaques-forming spleen cells upon using certain chemical radioprotectors. Soumerska T.
Dokl Bolg Akad Nauk 22:105-8, 1969
Formation of splenic megakaryocytes in young rat. Sklarew RJ, et al. Exp Cell Res 64:195-203, Jan 71
Labeled RNA in isolated rat spleen nuclei. Tsuzuki J.
Exp Cell Res 58:431-4, Dec 69
Proliferation of spleen cells from mice infected with Friend virus in the spleens of unirradiated and irradiated mice. Takada A, et al.
Experientia 27:315-6, 15 Mar 71
Quick-response capacity in mice recently immunized to sheep erythrocytes: dependence on a transient cell

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

population. Byfield P, et al.
Folia Biol (Praha) 17:97-105, 1971
Influence of bursectomy on cellular changes in the spleen of immunized chickens. II. A long-term study of the effects of bursectomy. Rodák L.
Folia Biol (Praha) 17:106-10, 1971
Immunization with xenogeneic erythrocytes to increase the number of mitas for in vivo chromosome studies in the mammalian spleen. Wallin A, et al.
Hereditas 61:278-82, 1969
In vitro stimulation of antibody formation by peritoneal cells. 3. Effect of active immunization on the subsequent in vitro performance of peritoneal and spleen cells. Boris S, et al.
Immunology 19:743-57, Nov 70
Homogeneity of antibody-producing cells as analysed by their buoyant density in gradients of Ficoll. Gorczynski RM, et al. Immunology 19:817-29, Nov 70
Density distribution analysis of a primary antibody forming cell response. Kraft N, et al.
Immunology 20:919-30, Jun 71
Early antibody-forming cells of double specificity. Liacopoulos P, et al. Immunology 20:57-66, Jan 71
The effects of RES 'blockade' on antibody formation. IV. Inhibition of plaque-forming cells in spleen cultures treated with carbon particles. Sabet TY, et al.
Immunology 19:843-53, Nov 70
The effect of various antilymphocyte sera (ALS) on the migration of spleen fragment cells. Svejcar J, et al.
Immunology 21:45-9, Jul 71
Effect of Freund's complete adjuvant on lysosomal enzymes. Lee JW, et al.
Int Arch Allergy Appl Immunol 39:609-15, 1970
Hematopoietic stem cells from mice with erythroblastosis. Hajdik I, et al.
J Cell Physiol 77:393-400, Jun 71
Hemopoietic stem cell distribution in tissues of fetal and newborn mice. Niewisch H, et al.
J Cell Physiol 76:107-15, Aug 70
The density distribution of thymus, thoracic duct and spleen lymphocytes. Shortman K.
J Cell Physiol 77:319-30, Jun 71
Growth kinetics of hemopoietic fetal stem cells. Vogel H, et al. J Cell Physiol 76:117-26, Aug 70
Identifying characteristics of the haematopoietic precursor cell. Murphy MJ Jr, et al.
J Cell Sci 9:23-47, Jul 71
Electrophoretically homogeneous antibody synthesized by spleen foci of irradiated repopulated mice. Luzzati AL, et al.
J Exp Med 132:199-210, 1 Aug 70
Some physical and radiobiological properties of immunologically reactive mouse spleen cells. Osoba D. J Exp Med 132:368-83, 1 Aug 70
Autoradiographic studies of the action of leucogenenol on leukocytes in the bone marrow, spleen, and peripheral blood of the rat. Rice FA, et al.
J Infect Dis 123:117-24, Feb 71
Studies of recovery of erythropoiesis after irradiation as a function of the cellularity of the endocolonized spleen. DeGowin RL, et al.
J Lab Clin Med 77:219-27, Feb 71
Ultrastructure aspects of red cell destruction in the normal rat spleen. Edwards VD, et al.
J Ultrastruct Res 33:187-201, Oct 70
In vitro kinetics of embryonic spleen cells. Comoglio PM, et al. Minerva Pediatr 23:188-9, 4 Feb 71
Embryonic mouse peripheral blood colony-forming units. Barker JE. Nature (Lond) 228:1305-6, 26 Dec 70
Cellular kinetics of 19S and 7S hemolysin production in mice under the influence of bacterial endotoxins. Finger H, et al.
Pathol Microbiol (Basel) 35:324-37, 1970
A difference between stem cells from marrow and spleen in initiating splenic megakaryocytopoiesis. Ebbe S, et al. Proc Soc Exp Biol Med 137:1037-41, Jul 71
Clasmatosis: ultrastructure of cytoplasmic fragments from the spleen, lymph nodes, and thymus of the rat. Kabakov YN, et al. Protoplasma 70:167-77, 1970
Factors influencing clasmatosis in vivo: observations of periodicity of clasmatosis in lymphocytes and hematopoietic recovery after irradiation. Kabakov YN. Radiat Res 47:491-9, Aug 71
Early and late effects of tritiated thymidine upon the replication of splenic lymphocytes. Post J, et al.
Radiat Res 45:335-48, Feb 71
The occurrence of tow types of cytotoxic lymphoid cells in mice immunised with allogeneic tumour cells. Denham S, et al. Transplantation 9:366-82, Apr 70
The occurrence of two types of cytotoxic lymphoid cells in mice immunised with allogeneic tumour cells. Denham S, et al. Transplantation 9:366-82, Apr 70
Colony-forming cells in the spleen. Determination of the fraction transplanted. Kretchmar AL, et al.
Transplantation 8:376-81, Nov 69
Proliferation of spleen-derived cells in thymus of lethally irradiated mice. Tyan ML, et al.
Transplantation 8:751-3, Nov 69
Effect of antilymphocyte serum (ALS) on trypsinized macrophages. Svejcar J, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:166-72, Aug 71
Histochemistry and electron microscopy of follicle lining reticular cells in the rat spleen. Streefkerk JG, et al. Z Zellforsch Mikrosk Anat 115:524-42, 1971
[Relative persistence of cell differentiation in splenic explants cultivated in contact with a hydrophobic substrate (silicone membrane)] Goube de Laforest P.
C R Acad Sci [D] (Paris) 271:2001-3, 30 Nov 70 (Fre)
[Effect of polyvinylpyridine-N-oxide on phagocytic activity of the reticuloendothelial system] Nothdurft W, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:341-52, 1970 (Ger)
[Phagocytosis and antibody synthesis. Function of a cell] Noltenius H, et al.
Verh Dtsch Ges Pathol 54:247-52, 1970 (Ger)
[Studies on proliferation in antibody forming cells] Sieboid G, et al.
Verh Dtsch Ges Pathol 54:258-65, 1970 (Ger)
[Cytophotometric determination of the Feulgen-DNA-content of cells from the red pulpa of the spleen. I. Studies on normal human spleens] Stutte HJ, et al.
Virchows Arch [Zellpathol] 6:198-207, 1970 (Ger)
[Nature of the histiocytes of the lining of the splenic sinuses. I. On the possible documentation of mitotic figures] Barbolini G, et al.
Boll Soc Ital Biol Sper 45:610-2, 15 May 69 (Ita)
[Nature of the histocytes of the lining of the splenic sinuses. II. Histoautoradiographic study with thymidine-H3] Barbolini G, et al.
Boll Soc Ital Biol Sper 45:612-3, 15 May 69 (Ita)
[Morphologic studies on spleen colonies from normal and leukemic cells] Niezabitowski A.
Patol Pol 22:225-37, Apr-Jun 71 (Pol)
[A chromosomal analysis of stem cell inactivation following transplantation of a mixture of bone marrow from genetically different donors] Khaitov RM. Biull Eksp Biol Med 69:88-91, Jun 70 (Rus)
[Induction of bone formation in a population of guinea pig lymphoid cells] Lalykina KS, et al.
Biull Eksp Biol Med 67:105-8, Jun 69 (Rus)
[Spontaneous and induced differentiation of osseous tissue in a population of fibroblast-like cells obtained from long-term monolayer cultures of bone marrow and spleen] Chailakhan RK, et al.
Dokl Akad Nauk SSSR 187:473-5, 11 Jul 69 (Rus)
[Effect of early thymectomy on the colony-forming ability of spleen cells in mice of CBA line] Kozlov VA, et al. Dokl Akad Nauk SSSR 196:708-10, 21 Jan 71 (Rus)
[Fibroblast-like cells in cultures of guinea pig hematopoietic tissue] Fridenshtein AIa, et al.
Tsitologiia 12:1147-55, Sep 70 (Rus)

DRUG EFFECTS

Changes in the lymphoid system following the intravenous injection of phytohaemagglutinin in mice. A pilot study. Hartveit F.
Acta Pathol Microbiol Scand [A] 78:525-31, 1970
Cytological and histological events following treatment with anti-thymocytic globulin in mice. Studies on the increased decay in lymphatic tissue. Röpke C.
Acta Pathol Microbiol Scand [B] 79:23-32, 1971
Some observations on the acute histopathologic effects of cycloheximide in vivo. Verbin RS, et al.
Am J Pathol 62:111-25, Jan 71
Inhibition of nucleic acid and protein synthesis mouse spleen cells in vitro by azathioprine. Chan GY, et al.
Appl Microbiol 20:910-2, Dec 70
Differential effects of anti-tumour drugs on human tumour and spleen DNA synthesis in vitro. Edwards AJ, et al.
Arch Int Pharmacodyn Ther 190:241-8, Apr 71
The influence of pargyline on the storage and release of dopamine from the cat spleen. Farmer JB, et al.
Arch Int Pharmacodyn Ther 190:309-15, Apr 71
The responses of the isolated perfused spleen of man to sympathetic nerve stimulation, catecholamines and polypeptides. Ayers AB, et al.
Br J Pharmacol 40:575P+, Nov 70
Actions of prostaglandin F2-alpha on the splenic vascular and capsular smooth muscle in the dog. Davies BN, et al. Br J Pharmacol 41:1-7, Jan 71
Effect of beta-haloalkylamines and ephedrine on noradrenaline release from the intact spleen of the cat. Kirpekar SM, et al.
Br J Pharmacol 39:533-41, Jul 70
A comparative study of the effects of anti-tumour and immunosuppressive drugs on antibody-forming and erythropoietic cells. Floersheim GL.
Clin Exp Immunol 6:861-70, Jun 70
Differences in the sensitivity to hydrocortisone of erythropoiesis in the bone marrow and the spleen of fasting adrenalectomized mice. Pospíšil M, et al.
Folia Biol (Praha) 17:33-6, 1971
Toxic effect of polyriboinosinic-polyribocytidylic acid on mouse hemopoietic stem cells. Jullien P, et al.
Int J Cancer 7:468-75, 15 May 71
Hydrocortisne resistance of graft vs host activity in mouse thymus, spleen and bone marrow. Cohen JJ, et al. J Immunol 105:1146-50, Nov 70
The mitogenic effects of endotoxin and staphylococcal enterotoxin B on mouse spleen cells and human peripheral lymphocytes. Peavy DL, et al.
J Immunol 105:1453-8, Dec 70
Lienotoxicity of Bordetella pertussis in mice. Iida T, et al. J Med Microbiol 4:51-61, Feb 71
The effect of cocaine and normetanephrine on the overflow of noradrenaline from the isolated blood-perfused cat spleen. Cripps H, et al.
J Physiol (Lond) 211:Suppl:34P+, Dec 70
Alterations in reticuloendothelial organ structure and function following cortisone administration to mice. Gotjamanos T. J Reticuloendothel Soc 8:421-33, Nov 70
Autoradiographic study on the site of uptake of the haptoglobin-hemoglobin complex. Wada T, et al.
J Reticuloendothel Soc 8:185-93, Aug 70
Influence of pargyline on the effects of dopamine infusions on sympathetically innervated tissues. Roberts DJ, et al. Neuropharmacology 9:457-65, Sep 70
Change in colloidal gold clearance in rats treated with SKF 525-A. Marchand C, et al.
Rev Can Biol 29:294-8, Sep 70
Tehe effect of certain mono-functional methanesulphonoxy-alkanes on haemopoietic colony forming units in the rat. Dunn CD, et al.
Rev Eur Etud Clin Biol 15:771-4, Aug-Sep 70
Studies on the responses of liver and spleen to the toxohormone administration. Ono S, et al.
Yokohama Med Bull 21:49-55, Oct 70
[Light and electron microscope study of splenic changes in Wistar rats subjected to prolonged treatment with low doses of ACTH] Senelar R, et al.
Pathol Biol (Paris) 19:347-62, Apr 71 (Fre)
[Certain aspects of immunosuppression caused by heterologous antilymphocyte globulin in the guinea pig] Boroș I, et al.
Rev Roum Physiol 7:245-57, 1970 (Fre)
[Antilymphocitic serum. II. Experimental histological changes induced in lymphoid organs] Danieli G, et al.
G Clin Med 51:119-28, Feb 70 (Ita)
[Asparaginase and the germinative centers] Astaldi G, et al. Haematologica (Pavia) 55:528-9, 1970 (Ita)
[Pharmacological responses of the rabbit's spleen strip with particular reference to the contracting mechanisms of various drugs] Hongo H.
Med J Kobe Univ 31:127-52, Dec 69 (Jap)
[Changes in the spleen of dogs after injection of ethionine] Torzecki Z, et al.
Patol Pol 21:343-9, Aug 70 (Pol)
[Morphological study of actinomycin D (dactinomycin)] Berezina EK, et al.
Antibiotiki 15:1081-5, Dec 70 (Rus)
[Morphohistochemical changes in the organs of healthy dogs during a prolonged intra-arterial infusion of penicillin] Zakharova LB, et al.
Antibiotiki 16:127-30, Feb 71 (Rus)
[Continuous and intermittent effect of methylmercaptophos on the microstructure of animal organs] Tikhonova GP.
Farmakol Toksikol 34:235-7, 1971 (Rus)
[Characteristics of the formation of endogenous colonies of hematopoietic tissue in spleen of irradiated lines (CC 57 W) and non-pedigree mice subjected to radioprotectors and the significance of the dose of the latter] Zherebchenko PG, et al.
Radiobiologiia 10:522-6, Jul-Aug 70 (Rus)
[Cytologic shifts in the blood and spleen in immunized rats after the administration of antilymphocytic, antinuclear or antithymus serum] Kartasheva AL, et al. Tsitologiia 12:1156-63, Sep 70 (Rus)
[Morphological changes in chickens during poisoning by trolene] Mukhamedshin RA.
Veterinariia 7:79-81, Jul 70 (Rus)
[In vivo action of phytohemagglutinin on the erythropoiesis of mice] Scaro JL, et al.
Rev Esp Fisiol 27:115-23, Jun 71 (Spa)
[Tannin in irrigography (preliminary report on the experimental work)] Novak J, et al.
Ged Zb Med Fak Skopje 16:225-33, 1970 (Cro)

EMBRYOLOGY

The developmental endocrinology of the spleen in chick embryos. I. The pars distalis. Betz TW.
J Embryol Exp Morphol 24:357-65, Sep 70
[The hypothesis of a double determinism of the development of myelocytic blood lines: experimentation in vitro on explants of chick embryonic spleen] Cury G.
C R Soc Biol (Paris) 164:1820-3, 1970 (Fre)
[Ultrastructural characteristics of erythropoiesis in the chick embryo spleen, with and without supravital staining] Buccliolini M.
Arch Ital Anat Embriol 74:341-66, 1969 (Ita)
[Participation of glycoproteins in regulating organ growth during embryogenesis] Khvatov VB, et al.
Biull Eksp Biol Med 67:99-102, Jun 69 (Rus)

ENZYMOLOGY

Enzyme histochemistry of lymphoid tissues in germfree cats inoculated with feline infectious enteritis (feline panleukopenia) virus. Fowler EH, et al. Am J Vet Res 31:2061-9, Nov 70
Studies on hog spleen N-acetylglucosamine kinase. II. Allosteric regulation of the activity of N-acetylglucosamine kinase. Datta A.
Arch Biochem Biophys 142:645-50, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Purification of deoxyribonuclease II from sheep spleen. Slor H, et al.
Arch Biochem Biophys 139:172-8, Jul 70
Studies on acid deoxyribonuclease. IX. 5'-Hydroxy-terminal and penultimate nucleotides of oligonucleotides obtained from calf thymus deoxyribonucleic acid. Ehrlich SD, et al.
Biochemistry 10:2000-9, 25 May 71
Control of pyrimidine biosynthesis in mammalian tissues. 3. Multiple forms of aspartate transcarbamoylase of mouse spleen. Inagaki A, et al.
Biochim Biophys Acta 220:491-502, 16 Dec 70
Uroporphyrinogen decarboxylase from mouse spleen. Romeo G, et al.
Biochim Biophys Acta 230:330-41, 23 Feb 71
Alkaline and acid ribonucleases of kidney and spleen of nephrotic rats. Nicholls DM, et al.
Can J Biochem 49:535-42, May 71
Nucleases in immunity. I. The effect of immunization on RNase and DNase activity in lymphoid tissues. Chakrabarty AK, et al.
Clin Exp Immunol 6:609-18, Apr 70
Changes in activity of uridine kinase and thymidine kinase in mouse spleen extract following immunization. Rieger M, et al.
Folia Biol (Praha) 17:140-4, 1971
Lysosomal enzyme changes in mouse spleen cells after antigenic stimulation. Jacob KH, et al.
Immunology 21:419-26, Sep 71
Some aspects of fractionation of DNA on an IR-120 Al3+ column. II. Effects of the physical state of DNA on chromatographic profiles. Kothari RM.
J Chromatogr 53:580-3, 23 Dec 71
Nucleoside deaminase: an enzymatic marker for stress erythropoiesis in the mouse. Rothman IK, et al.
J Clin Invest 49:2051-67, Nov 70
An experimental examination of the scrapie agent in cell membrane mixtures. II. The association of scrapie activity with membrane fractions. Millson GC, et al.
J Comp Pathol 81:255-65, Apr 71
Exposure of hidden antigenic determinants in human IgG by digestion with spleen proteases. Fehr K, et al.
J Immunol 107:814-21, Sep 71
Degradation of immunoglobulins by intracellular proteases in the range of neutral pH. LoSpalluto JJ, et al. J Immunol 105:886-97, Oct 70
Adenyl cyclase activity of spleen cells exposed to immunoenhancing synthetic oligo- and polynucleotides. Winchurch R, et al.
J Immunol 106:1399-400, May 71
The effect of poly rI:rC on sRNA methylase activity in normal and leukemic mouse spleens. Meier H, et al.
Life Sci [II] 9:641-51, 8 Jun 70
Enzymes in scrapie-affected mouse spleen. Little K, et al. Res Vet Sci 12:202-4, Mar 71
Correlation of splenic histidine decarboxylase activity and antibody formation following SRBC immunization. Moore TC, et al.
Transplantation 11:346-8, Mar 71
[Biosynthesis of glycoproteins. XXI. A study of microsomal mannosyl transferase from splenocytes] Richard M, et al.
Bull Acad R Med Belg 9:107-12, 1969 (Fre)
[Influence of phosphodiesterase of swine spleen on the reconstitution in vitro of tobacco mosaic virus] Guilley H, et al.
C R Acad Sci [D] (Paris) 272:1181-4, 22 Feb 71 (Fre)
[Histo-enzymatic aspects of thymo-dependent zones in the spleen in mice subjected to the massive action of cortisone acetate] Catayée G, et al.
C R Soc Biol (Paris) 164:621-3, 1970 (Fre)
[Detection of NAD-glycohydrolase in electropherograms and chromatograms] Martelli P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1580-2, 1968 (Ita)
[DNA polymerase activity of the spleen after removal of the pineal gland in the rat] Giuffrida AM, et al.
Boll Soc Ital Biol Sper 45:936-8, 31 Jul 69 (Ita)
[The activity of liver catalase and its inhibitor in humans who have died from acute leukemia] Koniukhov AF, et al.
Biull Eksp Biol Med 69:49-50, Jun 70 (Rus)
[Comparative study of adenosine deaminase activity in the spleen, thymus and bone marrow of mice of strains AKR and C57BL] Svirnovskiĭ AI, et al.
Biull Eksp Biol Med 71:64-7, Jan 71 (Rus)
[Histochemical study of cathepsin C in the spleen during the early stages of immunogenesis] Leftes FL, et al. Dokl Akad Nauk SSSR 187:193-6, 1 Jul 69 (Rus)
[Adenosine deaminase activity in the leukemic tissues of AKR mice] Svirnovskiĭ AI, et al.
Vopr Onkol 17:71-3, 1971 (Rus)
[Mechanism of action of antilymphocyte serum and phytohemaggliutinin on lymphoid cells] D'iakova AM.
Zh Mikrobiol Epidemiol Immunobiol 48:123-6, May 71 (Rus)

GROWTH & DEVELOPMENT

Splenosis. A disease or a beneficial condition? Widmann WD, et al.
Arch Surg 102:152-8, Feb 71 (91 ref.)
Antibiotic growth promotion: effects of bacitracin and oxytetracycline on intestines and selected lymphoid tissues of New Hampshire cockerels. Franti CE, et al.
Poult Sci 50:94-9, Jan 71
The periellipsoidal lymphoid tissue in chick spleen: a bursa-dependent area of the white pulp. Mori T, et al.
Tohoku J Exp Med 104:201-2, Jun 71

IMMUNOLOGY

A comparison of the immune response of tonsils with the appendix and spleen in neonatal rabbits. Godrick EA, et al. Acta Otolaryngol (Stockh) 71:357-64, Apr 71
Cellular sites of immunoglobulins. I. Distribution of light polypeptide chains in human lymphoid tissue. Chen ST. Acta Pathol Jap 20:487-503, Nov 70
The in vivo spleen response to sheep erythrocytes in bursectomized-irradiated chickens. Alm GV.
Acta Pathol Microbiol Scand [B] 78:641-6, 1970
Development of plasma cells during acute graft-versus-host reactions. Lindholm L, et al.
Acta Pathol Microbiol Scand [B] 79:445, 1971
Effect of primary immunization with sheep erythrocytes on the release of cells from the spleen and on peripheral blood lymphocyte population in young guinea-pigs. Sandberg G.
Acta Pathol Microbiol Scand [B] 78:277-84, 1970
The influence of thymic and bursal lymphoid systems in avian tuberculosis. Cheville NF, et al.
Am J Pathol 64:97-122, Jul 71
The effect of 5-fluorouracil on direct and developed spleen hemolysin plaque-forming cells of mice. Griswold DE, et al.
Arch Ital Patol Clin Tumori 12:109-14, Jan-Jun 69
Biochemical similarity of papain-solubilized H-2d alloantigens from tumor cells and from normal cells. Yamane K, et al. Biochemistry 9:4743-50, 24 Nov 70
In-vitro inhibition of leucocyte migration in Crohn's disease by a sarcoid spleen suspension. Willoughby JM, et al. Br Med J 3:155-7, 17 Jul 71
An in vitro study on migration activity of spleen cells of allografted and antithymocytic serum treated animals. Kossowska-Paul B, et al.
Bull Acad Pol Sci [Biol] 18:749-51, 1970
Antigen-sensitive spleen cells and the adjuvant activity of Bordetella pertussis. Finger H, et al.
Can J Microbiol 16:623-7, Jul 70
Facilitation of tumor growth by syngeneic normal cells mixed with tumor cells in vitro. Deckers PJ, et al.
Cancer 27:897-901, Apr 71
Effects of antimacrophage, antithymocyte, antilymphocyte and antispleen serum on the immune response in mice. Argyris BF, et al.
Clin Exp Immunol 7:551-64, Oct 70
Immunosuppression in murine malaria. II. The effect on reticulo-endothelial and germinal centre function. Greenwood BM, et al.
Clin Exp Immunol 9:345-54, Sep 71
Immune responses in aged mice: changes of antibody-forming cell precursors and antigen-reactive cells with ageing. Kishimoto S, et al.
Clin Exp Immunol 8:957-62, Jun 71
Human thymus-lymphoid tissue antigen and its presence in leukaemia and lymphoma. Yata J, et al.
Clin Exp Immunol 7:781-92, Dec 70
Study on the immunological reactivity of mice with solid Ehrlich adenocarcinoma. Botev B, et al.
Dokl Bolg Akad Nauk 23:451-3, 1970
Study on immunological reactivity of mice treated with antigen from ascitic form of Ehrlich carcinoma. Botev B, et al. Dokl Bolg Akad Nauk 23:455-8, 1970
Participation of the spleen in the humoral immune response of hyperimmunized guinea-pigs. Nakov L.
Dokl Bolg Akad Nauk 23:443-5, 1970
A morphological examination of antigen reactive cells from mouse spleen and peritoneal cavity. Mandel T, et al. Exp Cell Res 58:179-82, Nov 69
The effect of hexosamine inhibitors on the secretion of gamma-globulin. Esterly NB, et al.
Experientia 27:208-9, 15 Feb 71
Degree of allogeneic histoincompatibility assayed by the hemolytic plaque technique. Hirano S, et al.
Experientia 26:1404-5, 15 Dec 70
Adjuvant activity of ricin as measured by Jerne's plaque technique. Koga T, et al.
Experientia 27:323-4, 15 Mar 71
Dynamics of interaction between allogeneic immune and non-immune lymphocytes and target cells in tissue culture. Chernyakhovskaya IJ, et al.
Folia Biol (Praha) 16:336-46, 1970
H-2 immunogenicity of various tissue extracts as detected by growth of an allogeneic tumour. Hilgert I, et al. Folia Biol (Praha) 17:73-85, 1971
Comparison of colony-forming performance of bone marrow cells in syngeneic and allogeneic cellular environment within a single host. Lengerová A, et al.
Folia Biol (Praha) 16:385-90, 1970
Influence of bursectomy on cellular changes in the spleen of immunized chickens. I. An autoradiographic study. Rodák L. Folia Biol (Praha) 16:417-21, 1970
Effect of cortisone acetate on plaque-forming cell formation in mice. Wlodarski K, et al.
Folia Biol (Praha) 16:427-30, 1970
Inhibition of the growth of primary fibrosarcomas in rats with immune or non-immune spleen and lymph-node cells. Mitsui K. Gann 62:13-20, Feb 71
Effect of sarcoid spleen suspension on in vitro leukocyte migration in Crohn's disease. Willoughby JM, et al. Gut 12:496, Jun 71
Effect of polyanions on the antibody formation by spleen cells. Wacker A, et al.
Hoppe Seylers Z Physiol Chem 351:1273-6, Oct 70
Plaque forming cells to 2,4-dinitrophenyl in spleens of immunized and nonimmunized mice. Chiller JM, et al.
Immunochemistry 7:989-92, Dec 70
Hemolytic plaque formation by mouse spleen cells producing antibodies to ovalbumin. Segre D, et al.
Immunochemistry 5:206-12, Mar 68
A unique low molecular weight antigen fragment associated with oligoribonucleopeptide in lymph nodes and spleen. Yuan L, et al.
Immunochemistry 8:185-99, Feb 71
Allotypic suppression of adult mouse spleen cells. Anderson HR. Immunology 19:169-79, Jul 70
Regulation of IgM memory expression by spleen cells cultured in diffusion chambers. Borella L.
Immunology 20:289-98, Mar 71
Suppression of developed spleen haemolytic plaque formation by neonatal antigen stimulus in mice. Chandra RK, et al. Immunology 20:175-83, Feb 71
Ontogeny of the immune response in animals having less than one million lymphocytes: the larvae of the toad Alytes obstetricans. Du Pasquier L.
Immunology 19:353-62, Aug 70
Antigens of mouse spleen cells: immunochemical analysis with heterologous rabbit antisera. Feilenberg R von. Immunology 20:963-72, Jun 71
Analysis of immunological memory in terms of increased PFC responsiveness and increased focus-forming capacity. Gregory CJ.
Immunology 20:241-5, Feb 71
The induction of haemolysin producing cells in vitro: inhibition by antiglobulin antisera. Hartmann KU, et al. Immunology 20:29-36, Jan 71
The induction of an immune response in vitro to a protein antigen (rabbit Fab'2). Hunter P, et al.
Immunology 19:491-9, Sep 70
Early 7S antibody--antigen complexes with affinity to spleen cells in chickens immunized with a low dose of human serum albumin. Iványi J.
Immunology 19:629-35, Oct 70
Antigens in immunity. XVI. A light and electron microscope study of antigen localization in the rat spleen. Mitchell J, et al. Immunology 21:207-24, Aug 71
Response of rat blood, spleen, and lymph node leucocytes to soluble and insoluble antigen. Rabin BS, et al. Immunology 19:239-55, Aug 70
The early antibody-forming response to Salmonella antigens. A study of morphology and kinetics in vivo and in vitro. Russell PJ, et al.
Immunology 19:651-67, Oct 70
Antigenic competition in vitro of spleen cells subjected to a graft-versus-host reaction. Sjöberg O.
Immunology 21:351-61, Aug 71
The relationship of antibody-forming cells to rosette-forming cells. Wilson JD.
Immunology 21:233-45, Aug 71
In vitro studies of chicken lymphoid cells. II. The anamnestic response of spleen cells from control-irradiated and bursectomized-irradiated chickens to sheep erythrocytes. Alm GV.
Int Arch Allergy Appl Immunol 40:643-55, 1971
Specificity of antibodies synthetized by immunocytes as detected by immunoenzyme techniques. Avrameas S, et al. Int Arch Allergy Appl Immunol 40:161-70, 1971
Variations in the development of cellular immune reactivity of thymus cells and spleen cells in young inbred mice. Lemmel EM, et al.
Int Arch Allergy Appl Immunol 40:613-9, 1971
Ultrastructure of the primary immune response. Development of 19S antibody-producing cells. Neber GH, et al.
Int Arch Allergy Appl Immunol 39:133-55, 1970
The influence of gold on the kinetics of plaque-forming cells. Scheiffarth F, et al.
Int Arch Allergy Appl Immunol 40:117-23, 1971
Antibody induced lysis of PPD-coated chicken erythrocytes by spleen cells of non-immunized guinea pigs. Wasserman J, et al.
Int Arch Allergy Appl Immunol 40:905-16, 1971
Some effects of neuraminidase on the in vitro interactions between spleen and mastocytoma (P815) cells. Weiss L, et al. Int J Cancer 7:187-97, 15 Mar 71
Proliferation of macrophage and granulocyte precursors in response to primary and transplanted tumors. Hibberd AD, et al.
Isr J Med Sci 7:202-10, Jan 71
Affinity of radioiodinated bovine serum albumin for lymphoid cells. 3. Further experiments with cells of normal animals. Naor D, et al.
Isr J Med Sci 6:519-22, Jul-Aug 70
Transfer of tumor immunity with RNA. Pilch YH, et al.
Isr J Med Sci 7:246-58, Jan 71
Mouse mammary tumorigenesis by mammary tumor virus in the absence of thymus, spleen or both organs. Squartini F. Isr J Med Sci 7:26-35, Jan 71
Transfer of adjuvant arthritis by means of lymph node

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

or spleen cells. Pearson CM.
J Beige Rhumatol Med Phys 24:150-67, Jul-Aug 69
Synthesis of antibody in vitro. I. Immunological memory cells separated from spleen and lymph nodes of the immunized rabbtts. Yukioka M, et al.
J Biochem (Tokyo) 68:467-73, Oct 70
In vitro immune response of primed mouse spleen cells as affected by the time of antigenic stimulation. Meiss HK, et al. J Cell Physiol 76:3-6, Aug 70
Suppression of memory by passive immunization late in the primary response. Axelrad MA.
J Exp Med 133:857-63, 1 Apr 71
Rejection of tumor allografts by mouse spleen cells sensitized in vitro. Cohen IR, et al.
J Exp Med 133:821-33, 1 Apr 71
Immune responses in vitro. 3. Development of primary gamma-M, gamma-G, and gamma-A plaque-forming cell responses in mouse spleen cell cultures stimulated with heterologous erythrocytes. Pierce CW, et al. J Exp Med 134:395-416, 1 Aug 71
Immunological memory in vitro. Radcliffe GN, et al.
J Exp Med 133:846-56, 1 Apr 71
Surface antigens of immunocompetent cells. I. Effect of theta and PC.1 alloantisera on the ability of spleen cells to transfer immune responses. Takahashi T, et al.
J Exp Med 132:1181-90, 1 Dec 70
Cell surface immunoglobulin. II. Isolation and characterization of immunoglobulin from mouse splenic lymphocytes. Vitetta ES, et al.
J Exp Med 134:242-64, 1 Jul 71
Cellular recognition by mouse lymphocytes in vitro. II. Specific stimulation by histocompatibility antigens in mixed cell culture. Adler WH, et al.
J Immunol 105:984-1000, Oct 70
Conversion of non-immune rabbit spleen cells by ribonucleic acid of lymphoid cells from an immunized rabbit to produce IgM and IgG antibody of foreign heavy-chain allotype. Bell C, et al.
J Immunol 107:83-95, Jul 71
Reappearance and relative importance of immunocompetent cells in the thymus, spleen and lymph nodes following lethal x-irradiation and bone marrow reconstitution in mice. Blomgren H, et al.
J Immunol 106:831-4, Mar 71
Evidence for thymic dependence of PHA-reactive cells in spleen and lymph nodes and independence in bone marrow. Blomgren H, et al.
J Immunol 106:835-41, Mar 71
The immunosuppressive effects of Rauscher leukemia virus upon spleen cells cultured in cell-impermeable diffusion chambers. II. Effects upon IgM and IgG immunologic memory and on response to phytohemagglutinin and stimulation with allogeneic cells. Borella L. J Immunol 107:464-75, Aug 71
Qualitative and quantitative studies of cytotoxic immune cells. Canty TG, et al.
J Immunol 106:200-8, Jan 71
Immunosuppression by leukemia viruses. IV. Effect of Friend leukemia virus on antibody-precursors as assessed by cell transfer studies. Ceglowski WS, et al.
J Immunol 105:1406-15, Dec 70
Early accumulation of antibody plaque-forming cells in mouse spleens lacking a pre-existing immune background. Cerny J, et al.
J Immunol 106:1371-80, May 71
Immunosuppressive effects of incomplete Freund's adjuvant on hemolytic antibody-forming cells in spleens of immunized mice. Chakrabarty AK, et al.
J Immunol 106:1389-95, May 71
The third cell type required for the immune response of spleen cells in vitro. Cosenza H, et al.
J Immunol 107:414-21, Aug 71
Antibody inhibition of the immune response: experimental analysis of the site of action in vivo. Eisenberg RA, et al. J Immunol 106:143-9, Jan 71
Immune response to alloantigens of thymus studied in mice with plaque assay. Fuji H, et al.
J Immunol 106:56-64, Jan 71
Cellular aspects of primary antibody response in vitro. Grobstein RH. J Immunol 106:842-54, Mar 71
Secretion of monospecific anti-hapten IgG antibodies by rabbit immunocytes. Hanna EE, et al.
J Immunol 107:172-84, Jul 71
Antibody plaque-orming cells in mice immunized with human gamma globulin (HGG). II. Inhibition by mouse anti-HGG serum and human rheumatoid factor. Hege JS, et al. J Immunol 106:792-8, Mar 71
Comparisons of the specificities of cell-mediated and humoral immune responses. I. Cytolytic lymphocytes and plaque-forming cells following immunization with dinitrophenylated human IgG. Henney CS, et al.
J Immunol 106:20-8, Jan 71
The antigen receptor in delayed-type hypersensitivity. I. Isolation with an affinity label. Hill WC.
J Immunol 106:414-20, Feb 71
A study of mixed cell interactions between sensitized and allogeneic mouse spleen cells in vitro using the hemolytic plaque assay. Hirano S, et al.
J Immunol 106:619-28, Mar 71
The number of antibody-producing cells in the parathymic lymph nodes and the spleen following intraperitoneal injection of antigen. Hirsh DC, et al.
J Immunol 106:1401-3, May 71
Depressed cellular and humoral hemolysin responses of rabbits injected intraperitoneally with mineral oil before immunization. Huard MI, et al.
J Immunol 106:266-70, Jan 71
In vitro induction of sulfanilic acid-specific antibodies by RNA extracted from rat spleen. Juras D, et al.
J Immunol 105:1244-52, Nov 70
Anti-TNP antibody responses in vitro: augmented primary responses of carrier-primed spleen cells. Katz DH, et al. J Immunol 106:271-3, Jan 71
Selective inhibition of cells in the immune response by actinomycin D. Kaufman SJ.
J Immunol 106:781-5, Mar 71
The stimulation of splenic foci in vitro. Klinman NR, et al. J Immunol 106:1338-44, May 71
Purification and analysis of "monofocal" antibody. Klinman NR. J Immunol 106:1345-52, May 71
Immunosuppression by leukemia viruses. VI. Ultrastructure of individual antibody-forming cells in the spleens of friend leukemia virus-infected mice. Koo GC, et al. J Immunol 106:815-30, Mar 71
Immunosuppression by leukemia viruses. V. Ultrastructural studies of antibody-forming spleensof mice infected with Friend leukemia virus. Koo GC, et al. J Immunol 106:799-814, Mar 71
Immunoglobulin synthesis in mixed cultures of syngeneic cells of different lymphoid tissues. Mikhailova AA, et al. J Immunol 106:1086-8, Apr 71
A micro-immune adherence test for the detction of HL-A antigens. Miyakawa Y, et al.
J Immunol 106:681-8, Mar 71
Precursor cells in density fractions of lymph node cells: relation to antibody-producing cells. Moav N, et al.
J Immunol 105:1522-9, Dec 70
Rosette formation in relation to active synthesis of antibody. Moav N, et al. J Immunol 105:1501-11, Dec 70
Specific inhibition of an anti-hapten immune response by chemical modifications of cells. Naor D, et al.
J Immunol 105:1322-6, Dec 70
An in vitro immune response to penicillin. Naor D, et al.
J Immunol 107:302-5, Jul 71
Recovery of the antigen retention mechanism after sublethal x-irradiation in mice receiving cells from various sources. Nettesheim P, et al.
J Immunol 107:518-25, Aug 71
Cells involved in the immune response. XX. The "all or none" nature of the primary immune response (19S antibody) by individual antibody-forming cells in the rabbit. Richter M, et al. J Immunol 105:1575-7, Dec 70
Synthesis of the second component of guinea pig complement in vitro. Rubin DJ, et al.
J Immunol 106:295-303, Feb 71
Ultrastructural analysis of hemolysin-forming cell clusters. I. Preliminary observations. Saunders GC, et al. J Immunol 105:1299-303, Nov 70
Antibody production by host cells in x-irradiated recipients of allogeneic spleen cells. Storb U, et al.
J Immunol 105:957-63, Oct 70
Detection of antibody-like structures on cell surfaces with chemically modified bacteriophages. Sulica A, et al. J Immunol 106:721-31, Mar 71
Use of chromium chloride as the coupling agent in a modified plaque assay. Cells producing anti-protein antibody. Sweet GH, et al.
J Immunol 106:1407-10, May 71
Plaque-forming cells of two different origins in single hemolytic foci. Vann DC, et al.
J Immunol 105:1584-6, Dec 70
Immunochemical assay of antilymphocyte serum with subcellular fractions and purified membranes. Von Fellenberg R, et al. J Immunol 107:751-6, Sep 71
Immune paralysis induced by pneumococcal polysaccharide. II. Studies with peritoneal and spleen cell extracts and RNA. Williams CC, et al.
J Immunol 107:163-71, Jul 71
Immune paralysis induced by pneumococcal polysaccharide. I. Peritoneal cell phagocytic activity and interaction with spleen cells. Wu WG, et al.
J Immunol 107:154-62, Jul 71
Decreasing immune competence and development of reticulum cell sarcomas in lymphatic tissue of aged mice. Hanna MG Jr, et al.
J Natl Cancer Inst 46:809-24, Apr 71
Effect of Friend leukemogenic virus on antibody-forming cells to a bacterial somatic antigen. Hirano S, et al. J Natl Cancer Inst 43:1337-45, Dec 69
Immunologic cross-reactivity between antigen of unfertilized mouse eggs and mouse cells transformed by simian virus 40. Koprowski H, et al.
J Natl Cancer Inst 46:1317-23, Jun 71
Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. 3. Plaque-forming cell response in lymph nodes and spleen. Rowland GF, et al. J Natl Cancer Inst 47:321-7, Aug 71
Suppression of established Friend virus leukemia by statolon. 3. Development of FV-leukemogenic and FV-immunogenic activities in bloods, spleens, and lymph nodes. Wheelock EF, et al.
J Natl Cancer Inst 46:797-802, Apr 71
Studies on delayed (cellular) hypersensitivity in mice infected with Trichinella spiralis. VI. Results in recipients injected with antiserum or "freeze-thaw" spleen cells. Larsh JE Jr, et al.
J Parasitol 56:1206-9, Dec 70
Polyribosome formation in relation to accumulation of plasma cells. La Via MF, et al.
J Reticuloendothel Soc 9:1-12, Jan 71
Histopathological effects of type-specific antilymphocyte globulin. Alexander JW, et al.
J Surg Res 11:74-84, Feb 71
Studies on target cell destruction. Kikuchi K.
Jap J Med Sci Biol 24:193-4, Jun 71
Initiation of the primary immune response to sheep red blood cells in dissociated mouse spleen cell culture. I. Conditions for the culture and comparison of in vitro responses with in vivo responses. Tadakuma T, et al.
Jap J Microbiol 14:433-40, Nov 70
Transformation of reticulum cells to lymphoblasts in cultures of bovine spleen infected with Theileria parva. Moulton JE, et al. Lab Invest 24:187-96, Mar 71
Fluorescein-labelled Salmonella typhi antigen for detection of antibody in spleen cells of protein-depleted rabbits injected with the same antigen not labelled. Nayebi M, et al.
Med Lab Technol 28:141-5, Apr 71
Suppression of cell-mediated immunity through immune spleen cells against Ehrlich ascites tumor. Okubo S. Nagoya J Med Sci 33:329-40, Mar 71
Lymphocyte-mediated transport of aggregated human gamma-globulin into germinal centre areas of normal mouse spleen. Brown JC, et al.
Nature (Lond) 228:367-9, 24 Oct 70
Hydrocortisone resistance of activated initiator cells in graft versus host reactions. Cohen JJ.
Nature (Lond) 229:274-5, 22 Jan 71
Cooperation of immune lymphoid cells with macrophages in tumour immunity. Evans R, et al.
Nature (Lond) 228:620-2, 14 Nov 70
Production of heterologous cytotoxic antibodies in vitro. Koldovský P, et al.
Nature (Lond) 228:1323-4, 26 Dec 70
Enhancement of residual antibody synthesis by irradiation of the spleen in pre-immunized rats. Simić MM, et al. Nature (Lond) 229:263-4, 22 Jan 71
Stimulation of proliferation of 19S antibody-forming cells in the spleens of immunized guinea pigs after exchange transfusion. Sturgill BC, et al.
Nature (Lond) 228:1304-5, 26 Dec 70
Early affect of adult thymectomy. Bach JF, et al.
Nature [New Biol] 231:110-1, 26 May 71
Transfer of immunity to tumour isografts by the systemic administration of xenogeneic "immune" RNA. Deckers PJ, et al.
Nature [New Biol] 231:181-3, 9 Jun 71
Antigen binding cells in embryonic chicken bursa and thymus. Dwyer JM, et al.
Nature [New Biol] 229:210-1, 17 Feb 71
Induction of immunity and tolerance to the dinitrophenyl determinant in vitro. Feldmann M.
Nature [New Biol] 231:21-3, 5 May 71
New hypothesis on antigenic competition based on cell interactions in the immune response. Kerbel RS, et al.
Nature [New Biol] 232:26-8, 7 Jul 71
Separate thymus dependent and thymus independent antibody forming cell precursors. Playfair JH, et al.
Nature [New Biol] 231:149-51, 2 Jun 71
Suppression of graft versus host reaction by univalent anti-immunoglobulin antibody. Riethmüller G, et al.
Nature [New Biol] 230:248-50, 21 Apr 71
Immunogenicity and antigenicity of lymphoid cells treated with neuraminidase. Simmons RL, et al.
Nature [New Biol] 231:179-81, 9 Jun 71
Nuclear RNA metabolism in the spleen during the inductive phase of immunogenesis. Stanchev BD.
Nauchni Tr Vissh Med Inst Sofiia 49:31-6, 1970
Actinomycin C and antibody biosynthesis in vitro. Stanchev BD.
Nauchni Tr Vissh Med Inst Sofiia 49:37-42, 1970
Altered immunogenicity of the allogeneic spleen cell preparations from rats affected by the graft-versus-host reaction. Medzihradský J.
Neoplasma 18:225-7, 1971
Enhancement of tumour homografts by the local graft-versus-host reaction. Medzihradský J, et al.
Neoplasma 18:133-40, 1971
Graft-versus-host reactivity of mouse spleen cells separated on discontinuous albumin gradients. Eugster H. Pathol Microbiol (Basel) 35:315-23, 1970
Activation of non competent embryonic chicken spleen and bone marrow cells by thymus and bursa Fabricii extracts. Sharon R. Poult Sci 49:1750-2, Nov 70
The induction of a primary immune response in spleen cells cultured in diffusion chambers. Rossi G, et al.
Proc K Ned Akad Wet [Biol Med] 74:92-104, 1971
Radioresistance of the enhancing effect of cells from carrier-immunized mice in an in vitro primary immune response. Kettman J, et al.
Proc Natl Acad Sci USA 68:699-703, Apr 71
The cell site of the immunological defect in tumor-bearing mice. Biano G, et al.
Proc Soc Exp Biol Med 136:507-9, Feb 71
Nonrandom distribution of vibriolytic foci in the spleen of mice lacking "background" antibody. Cerny J, et al.
Proc Soc Exp Biol Med 137:1021-5, Jul 71
A rapid method for in vitro screening of immunosuppressants using mouse spleen cells. Klesius PH. Proc Soc Exp Biol Med 135:155-9, Oct 70
Immunity to murine sarcoma virus (MSV)-induced tumors demonstrated by "in vivo" elimination of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

51-chromium labeled tumor cells. Burstein NA. Rev Eur Etud Clin Biol 15:873-5, Oct 70
Release of a non-specific cytotoxic factor by splenic cells immunized against allogeneic tumour cells. Hottier D, et al. Rev Eur Etud Clin Biol 16:240-3, Mar 71
Cellular cooperation in the primary immune response. The need for a uniform terminology. Osoba D. Rev Eur Etud Clin Biol 15:929-33, Nov 70
Eression of allelic immunoglobulin in homozygous rabbits injected with RNA extract. Bell C, et al. Science 171:199-201, 15 Jan 71
Cell interaction in an immune response in vitro: requirement for theta-carrying cells. Chan EL, et al. Science 170:1215-7, 11 Dec 70
Selective simulation of allelic expression: effectf antibodies to allotypic markers on lymphoid cells. Frensdorff A, et al. Science 171:391-4, 29 Jan 71
Immune response restoration with macrophage culture supernatants. Hoffmann M, et al. Science 172:1047-8, 4 Jun 71
Density gradient separation of marrow cells restricted for antibody class. Miller HC, et al. Science 171:913-5, 5 Mar 71
Stimulation in vitro with protein carrier of antibodies against a hapten. Sulica A, et al. Science 171:1165-7, 19 Mar 71
Interactions between sensitized lymphoid cells and adenovirus-12-induced tumor cells. McDougall PT, et al. Tex Rep Biol Med 28:75-86, Spring 70
Graft-versus-host reactions mediated by spleen cells from amyloidotic and nonamyloidotic mice. Hardt F, et al. Transplantation 12:36-9, Jul 71
Jerne plaque assay for antibody-forming spleen cells: some technical modifications. Kaliss N. Transplantation 12:146-7, Aug 71
Changed differentiation pattern of parental colony-forming cells in F1 hybrid mice suffering from graft-versus-host disease. Kitamura Y, et al. Transplantation 10:455-62, Dec 70
Necessity of the spleen for balanced secondary sex ratios following maternal immunization with male antigen. Lappé M, et al. Transplantation 11:491-5, May 71
Correlation of splenic histidine decarboxylase activity and antibody formation following SRBC immunization. Moore TC, et al. Transplantation 11:346-8, Mar 71
Distribution of antigens reactive with rabbit antirat thymic cell serum. Oliver CB, et al. Transplantation 11:412-4, Apr 71
The immunosuppressive effect of antilymphocyte sera produced by sensitization with different lymphoid tissues. Sterling WA, et al. Transplantation 10:297-301, Oct 70
Splenic macrophage interaction with red cells in pyruvate kinase deficiency and hereditary spherocytosis. Bowman HS, et al. Vox Sang 19:168-75, Aug 70
Synthesis versus release of pre-formed antibody in the process of plaque formation by immune spleen cells. Jaroszewski J, et al. Z Immunitaetsforsch Exp Klin Immunol 142:122-8, Aug 71
Changes in cell population and intercellular relationships in the course of an "in vitro" initiated secondary immune response to poliovirus. Teodorescu M. Z Immunitaetsforsch Allerg Klin Immunol 141:111-8, 1971
The pattern of postvaccination changes in the lymphoid cell population of the spleen in chickens during their early ontogenesis (an autoradiographic study). Rodák L, et al. Zentralbl Veterinaermed [B] 17:924-34, Nov 70
[Bactericidal power of mouse spleen and liver macrophages against Listeria monocytogenes. Influence of a previous treatment of animals with glucocorticoids, an endotoxin, Corynebacterium parvum and polyinosinic, polycytidylic acid (Poly: I.C.)] Fauve RM, et al. Ann Inst Pasteur (Paris) 120:399-411, Mar 71 (Fre)
[Studies on the origin of cells forming spontaneous rosettes] Bach JF, et al. C R Acad Sci [D] (Paris) 272:1318-9, 1 Mar 71 (Fre)
[Migration of proteins in the nucleus of cells elaborating antibodies studied by ultrastructural autoradiography] Bouteille M. C R Acad Sci [D] (Paris) 271:2183-5, 9 Dec 70 (Fre)
[Individual splenic cells producing antibodies of 2 various specificities] Liacopoulos P, et al. C R Acad Sci [D] (Paris) 271:740-3, 24 Aug 70 (Fre)
[Immuno-adjuvant action of poly IC in mice and its application to the treatment of leukemia L 1210] Mathé G, et al. C R Acad Sci [D] (Paris) 272:170-3, 4 Jan 71 (Fre)
[Interaction between thymic and medullary cells of mice; influence of the line of origin of the thymic cells] Umaly RC, et al. C R Acad Sci [D] (Paris) 272:1917-9, 5 Apr 71 (Fre)
[Modern research concerning the so-called activated splenic pulp in the course of homologous kidney transplantation in animals] Nosny P, et al. Chirurgie 96:88-91, 1970 (Fre)
[Standardization of antilymphocyte serum] Balner H, et al. Progr Immunobiol Stand 4:214-24, 1970 (Fre)
[19S-hemolysin formation in the mouse after immunization with hemoglobin and serum lipoproteins. I. Immunobiological studies: demonstration of 19S-hemolysin forming spleen cells using Jerne's hemolytic plaque technic] Mengel H, et al. Arb Paul Ehrlich Inst 65:15-24, 1970 (Ger)
[In vitro culture of antibody forming spleen cells. I. Plaque size and number of antibody forming cells of a plaque in relation to the cultivation time] Siefert G, et al. Arb Paul Ehrlich Inst 65:36-41, 1970 (Ger)
[Immunologic studies following splenectomy and their importance on wound healing and expert testimony] Lennert KA. Hefte Unfallheilkd 107:101-4, 1970 (Ger)
[Suppression and recovery of the immunresponse. Quantitative immunological and morphological investigations on the rat spleen after cyclophosphamide] Günther G, et al. Verh Dtsch Ges Pathol 54:231-4, 1970 (Ger)
Population genetic studies on the variability of the number of plaque forming cells in the spleen of mice] Buschmann H. Z Immunitaetsforsch Allerg Klin Immunol 141:37-48, 1970 (Ger)
[Mechanism of stimulation of humoral antibody formation by polyanions] Diamantstein T, et al. Z Klin Chem Klin Biochem 8:632-6, Nov 70 (Ger)
[Method of determination of the synthesis of immunoglobulins in vitro: preliminary observations] Aiuti F, et al. Boll Soc Ital Biol Sper 45:720-3, 15 Jun 69 (Ita)
[Homologous antilymphocyte antibodies synthesized by limbocorneal lymphoid foci during the delayed hypersensitivyt phase. Analysis of the limbal immunologic reaction after intracorneal injection of homospecific spleen homogenate] Claudio C, et al. Riv Anat Patol Oncol 33:336-50, 1968 (Ita)
[Influence of thymectomy, splenectomy and cortisone on cancerogenesis] Della Porta G, et al. Tumori 56:121-35, Mar-Apr 70 (Ita)
[Nonspecific factor stimulating amyloidogenesis in mice] Rukosuev VS. Arkh Patol 32:42-5, 1970 (Rus)
[Breakdown of spleen ribosomal RNA during immunogenesis] Stanchev BD. Biokhimiia 35:420-3, May-Jun 70 (Rus)
[Immunologic reactions in animals with tumors] Antoniuk RD. Biull Eksp Biol Med 66:93-7, Aug 68 (Rus)
[An immunofluorescent and serologic study of early reactions to the administration of BCG and H37Rv mycobacteria] Averbakh MM, et al. Biull Eksp Biol Med 66:33-6, Aug 68 (Rus)
[An experimental analysis of the origin of antibody producing cells in the spleen of an intact recipient following transplantation of cells from an immunized donor] Fontalin LN, et al. Biull Eksp Biol Med 63:108-13, Nov 67 (Rus)
[The effect of aflatoxin on the dynamics of antibody formation] Galikeev KhL, et al. Biull Eksp Biol Med 65:88-90, May 68 (Rus)
[The quantity of antibody forming cells in the spleen and lymph nodes of Wistar rats with hormone dependent tumors] Iakimenko LV, et al. Biull Eksp Biol Med 69:91-3, Apr 70 (Rus)
[The immune response of a culture of spleen cells upon antigenic stimulation in vitro] Kabanova EA, et al. Biull Eksp Biol Med 66:77-9, Nov 68 (Rus)
[The role of cellular factors in the pathogenesis of experimental allergic encephalomyelitis] Kanchurin AKh, et al. Biull Eksp Biol Med 66:28-30, Nov 68 (Rus)
[The effect of anti-spleen serum on the stem cells of hemopoietic tissue] Kaulen DR, et al. Biull Eksp Biol Med 69:85-8, Apr 70 (Rus)
[Specific action of immune RNA in 2 different cellular systems] Liashenko VA, et al. Biull Eksp Biol Med 70:67-70, Jul 70 (Rus)
[A study of the antibody-synthesizing function of the spleen in mice during the early postnatal period] Mańkif IN, et al. Biull Eksp Biol Med 68:88-9, Sep 69 (Rus)
[Use of a stable tetrazonium salt for sensitizing erythrocytes with proteins in local passive hemolysis tests] Olovnikov AM, et al. Biull Eksp Biol Med 70:106-8, Dec 70 (Rus)
[The effect of 6-thioguanine on the immunoreactivity of animals to foreign erythrocytes] Solov'ev VV, et al. Biull Eksp Biol Med 66:78-81, Aug 68 (Rus)
[Biosynthesis of nucleic acids and protein in the so-called small lymphocytes producing hemolysins] Gusev VP, et al. Dokl Akad Nauk SSSR 185:929-31, 1 Apr 69 (Rus)
[Antigen-binding capacity of spleen polysomes in immunized animals] Iurin VL, et al. Dokl Akad Nauk SSSR 195:1211-4, 1970 (Rus)
[Histochemical study of cathepsin C in the spleen during the early stages of immunogenesis] Leftes FL, et al. Dokl Akad Nauk SSSR 187:193-6, 1 Jul 69 (Rus)
[Synthesis of immunoglobulins in mixed cultures of syngeneic cells from different lymphoid tissues] Mikhailova AA, et al. Dokl Akad Nauk SSSR 197:209-11, 1 Mar 71 (Rus)
[In vitro component of the phenomenon of inactivation of allogeneic stem cells] Petrov RV, et al. Dokl Akad Nauk SSSR 189:418-9, 11 Nov 69 (Rus)
[Synthesis of gamma globulins in mixed cultures of allogenic lymphoid cells] Petrov RV, et al. Dokl Akad Nauk SSSR 187:922-4, Aug 69 (Rus)
[Decomposition of nuclear RNA in the spleen during the inductive phase of immunogenesis] Stanchev BD. Dokl Akad Nauk SSSR 196:1228-30, 11 Feb 71 (Rus)
[Immunodepressive properties of 5-fluorouracil in a culture of lymphoid cells] Uteshev BS, et al. Dokl Akad Nauk SSSR 190:969-71, Feb 70 (Rus)
[Effect of protamine sulfate on antibody formation and its interaction with ACTH and hydrocortisone] Kovalev IE. Patol Fiziol Eksp Ter 14:75-7, Jul-Aug 70 (Rus)
[Kinetics of antibody producing cells in vitro] Pinegin BV, et al. Tsitologiia 12:1307-14, Oct 70 (Rus)
[Intercellular exchange of information during immunogenesis. I. Effect of RNA from the spleen of immunized rats on rat lymphosarcoma cells] Tsikarishvili TN, et al. Tsitologiia 11:389-92, 1969 (Rus)
[The immunologic reactivity of mice with transplantable Harding-Passay melanoma] Kovalev IE, et al. Vopr Onkol 17:55-8, 1971 (Rus)
[Formation of antiviral antibodies by spleen cells stimulated by an antigen in vitro, after transplantation to newborn and irradiated recipients] Nepomniashchif IuZ, et al. Vopr Virusol 16:31-5, Jan-Feb 71 (Rus)
[Antibody synthesis following intratracheal immunization of animals with sheep erythrocytes] Kevorkov NN. Zh Mikrobiol Epidemiol Immunobiol 46:17-21, Oct 69 (Rus)
[Comparative findings on the effects of hydrocortisone and irradiation on antibody formation] Nikolaev AI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:64-8, Aug 70 (Rus)
[Kinetics of antibody-forming cells in a culture of lymphoid cells of the spleen] Pinegin BV, et al. Zh Mikrobiol Epidemiol Immunobiol 47:68-72, Apr 70 (Rus)
[Study of the nature of rosette-forming cells during immunization of mice with sheep erythrocytes] Pinegin BV, et al. Zh Mikrobiol Epidemiol Immunobiol 48:117-21, Jun 71 (Rus)
[Morphologic changes in guinea pigs following enteral immunization with plague vaccine EV] Ternovoĭ VI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:18-21, Feb 70 (Rus)
[The effect of actinomycin on the kinetics of a population of antibody-producing cells] Uteshev BS, et al. Zh Mikrobiol Epidemiol Immunobiol 47:103-8, Mar 70 (Rus)
[Characteristics of antilymphocyte serum prepared with spleen- or thymus cells] Collste LG, et al. Nord Med 86:919-20, 29 Jul 71 (Swe)

INJURIES

Radiologic evaluation of splenic injury after blunt trauma. Brindle MJ. J Can Assoc Radiol 22:3-9, Mar 71
Splenic trauma--a pitfall in diagnosis. Tuttle RJ. J Can Assoc Radiol 22:160-2, Jun 71
Splenic arteriography. Sullivan DT, et al. J Okla State Med Assoc 64:331-5, Aug 71
Intrasplenic haematoma. Wilkinson AE. S Afr J Surg 8:59-60, 1970
[Post-traumatic hematic pseudo-cysts of the spleen. Contribution of angiography] Trinez G, et al. J Radiol Electrol Med Nucl 52:99-103, Jan-Feb 71 (Fre)
[Post-traumatic cystic hematoma of the spleen. The long and painful story of an initally undiagnosed splenic trauma] Fontaine JL. Presse Med 78:2069-71, 7 Nov 70 (Fre)
[Diagnosis and treatment of blunt splenic and pancreatic injuries] Kümmerle F. Hefte Unfallheilkd 107:76-82, 1970 (Ger)
[Intrathoracic splenosis] Freise G, et al. Med Klin 65:406-9, 27 Feb 70 (Ger)
[The symptomatic spleen rupture] Kempter M, et al. Monatsschr Unfallheilkd 72:158-61, Apr 69 (Ger)
[Difficulites in the diagnosis of splenic abscesses of traumatic origin] Nechiporuk VM, et al. Klin Khir 4:69-70, 1971 (Rus)

INNERVATION

Two populations of noradrenaline-particles in the dog spleen. De Potter WP, et al. Acta Physiol Scand 7-8, 1970
Antagonism by calcium of the inhibitory action of prostaglandin E2 on sympathetic neurotransmission in the cat spleen. Hedqvist P. Acta Physiol Scand 80:269-75, Oct 70
Accumulation and loss of noradrenaline central to a constriction on adrenergic nerves. Boyle FC, et al. Eur J Pharmacol 12:77-84, 1 Sep 70
The distribution of 3H-noradrenaline and acetylcholinesterase (AChE) proximal to constrictions of hypogastric and splenic nerves in the cat. Lever JD, et al. J Anat 107:407-19, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effect of intermittent nerve stimulation on norepinephrine synthesis and mobilization in the perfused cat spleen. Gewirtz GP, et al. J Pharmacol Exp Ther 175:514-20, Nov 70

Regeneration of sympathetic nerves to the vas deferens and spleen of the cat. Kirpekar SM, et al. J Pharmacol Exp Ther 175:197-205, Oct 70

An electron microscopic study of noradrenaline storage vesicles isolated from bovine splenic nerve trunk. Klein RL, et al. J Ultrastruct Res 34:473-91, Mar 71

[Adrenergic innervation of the cat spleen] Zelenova IG. Arkh Anat Gistol Embriol 60:88-90, 1971 (Rus)

METABOLISM

In vitro studies of chicken lymphoid cells. 1. Phytohaemagglutinin induced DNA, RNA and protein synthesis in spleen cells from control-irradiated and bursectomized-irradiated chickens. Alm GV. Acta Pathol Microbiol Scand [B] 78:632-40, 1970

In vitro studies on the fate of antigen. 4. The digestion of human serum albumin and ferritin by extracts of mouse spleen. Rhodes JM. Acta Pathol Microbiol Scand [B] 79:153-62, 1971

The effect of protriptyline on uptake and retention of dl-3H-noradrenaline in different tissues of the rat. Almgren O, et al. Acta Physiol Scand 82:282-8, Jun 71

The extrahepatic uptake of 198Au as an index of portal hypertension. Fernandez JP, et al. Am J Dig Dis 15:883-93, Oct 70

Metabolism of volatile fatty acids by liver and portal-drained viscera in sheep. Bergman EN, et al. Am J Physiol 221:586-92, Aug 71

Liver and spleen nonheme iron and ferritin composition in the neonatal rat. Leslie AJ, et al. Am J Physiol 220:1000-4, Apr 71

Storage of blood cells in spleen of the cat. Song SH, et al. Am J Physiol 220:779-84, Mar 71

Plasma factor VIII synthesis and control as revealed by canine organ transplantation. Webster WP, et al. Am J Physiol 220:1147-54, May 71

Differential response of mitochondrial and nuclear DNA syntheses to hydroxyurea in normal and regenerating rat liver. Baugnet-Mahieu L, et al. Biochem Pharmacol 20:141-9, Jan 71

The 'informosome'-like particles of lymphoid cells. Ivanyi J. Biochim Biophys Acta 238:303-13, 13 May 71

Methylation of DNA in vivo by thymus, spleen, and liver of the rat. Seemayer G. Biochim Biophys Acta 224:10-20, 12 Nov 70

Studies on hyposideraemia and altered iron storage in the rat following thermal injury. Elek SJ, et al. Br J Haematol 21:95-8, Jul 71

Effect of angiotensin on noradrenaline-3H accumulation and synthesis in vivo. Palaić D. Can J Physiol Pharmacol 49:495-500, Jun 71

Effect of adrenalectomy and gonadectomy on protein turnover of liver, kidney and spleen of mice. Ichii S, et al. Endocrinol Jap 17:273-6, Aug 70

The effect ofgrowth hormone on DNA synthesis in rat spleen. Fast DK, et al. Exp Cell Res 62:441-6, Oct 70

Organ localization of intravenously administered HSA I-131 in chickens. Krejčí J, et al. Folia Microbiol (Praha) 15:330-6, 1970

Protracted hepatic, splenic and renal retention of 239 Pu in the beagle. Stover BJ, et al. Health Phys 20:369-74, Apr 71

Incorporation of [3H] thymidine into the spleens of intact mice during the immune response to sheep erythrocytes (SRC). Harris G, et al. Immunology 19:865-78, Dec 70

Proliferative activity in the lymphatic tissues of germ-free New Zealand black mice. Denman AM, et al. Int J Cancer 6:108-22, 15 Jul 70

Lipids in leprosy. I. Histochemistry of lipids in murine leprosy. Sakurai I, et al. Int J Lepr 38:379-88, Oct-Dec 70

Protein biosynthesis in the spleen. 3. Aminoacyltransferase I as a translational regulatory factor during the immune response. Willis DB, et al. J Biol Chem 246:2828-34, 10 May 71

Metabolism of arterial plasma estrogens by the splanchnic organs of the dog in vivo. Collins DC, et al. J Clin Invest 49:2324-35, Dec 70

Protein biosynthesis in the spleen. II. Effect of primary immunization on the mechanism of protein synthesis. Selawry HS, et al. J Immunol 106:358-63, Feb 71

Protein biosynthesis in the spleen. I. Effect of primary immunization on microsomal and ribosomal function in vitro. Selawry HS, et al. J Immunol 106:349-57, Feb 71

Glycosphingolipids in the spleen of developing rats. Kuske TT, et al. J Lipid Res 12:173-8, Mar 71

Estimation of red cell sequestration in the spleen by modified excess spleen count method. Suwanik R, et al. J Med Assoc Thai 53:372-5, May 70

Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. II. Nucleic acid content and synthesis in lymph nodes, spleen, and thymus. Edwards AJ, et al. J Natl Cancer Inst 47:313-20, Aug 71

Diagnostic significance of the relative uptake of liver compared with spleen in 99mTc-sulfur colloid scintiphotography. Bekerman C, et al. J Nucl Med 12:237-40, May 71

On the mechanism of supersensitivity to norepinephrine in the denervated cat spleen. Brimijoin S, et al. J Pharmacol Exp Ther 175:503-13, Nov 70

Effect of intermittent nerve stimulation on norepinephrine synthesis and mobilization in the perfused cat spleen. Gewirtz GP, et al. J Pharmacol Exp Ther 175:514-20, Nov 70

Inhibitory effect of low pH on norepinephrine release. Puig M, et al. J Pharmacol Exp Ther 176:134-8, Jan 71

Effects of nerve stimulation on the subcellular distribution of noradrenaline in the cat spleen. Bisby MA, et al. J Physiol (Lond) 214:13P-14P, Apr 71

Evidence suggesting uptake of noradrenaline at adrenergic receptors in the isolated blood-perfused cat spleen. Cripps H, et al. J Physiol (Lond) 216:55P-56P, Jul 71

The extraneuronal uptake and localization of noradrenaline in the cat spleen and the effect on this of some drugs, of cold and of denervation. Gillespie JS, et al. J Physiol (Lond) 206:563-90, Mar 70

Effect of steroids on the cycling of haemopoietic stem cells. Byron JW. Nature (Lond) 228:1204, 19 Dec 70

Indomethacin and aspirin abolish prostaglandin release from the spleen. Ferreira SH, et al. Nature [New Biol] 231:237-9, 23 Jun 71

Noradrenaline uptake and denervation sensitivity in cat spleen. Brimijoin WS, et al. Naunyn Schmiedebergs Arch Pharmakol 266:303, 1970

Distribution curves of 3H-testosterone and 3H-estradiol in neonatal female rats. Alvarez EO, et al. Neuroendocrinology 6:349-60, 1970

Changes in the nucleic acid metabolism of the spleen of tumor-bearing rats. Pal M, et al. Pathol Eur 5:253-9, 1970

Circadian rhythmicity in radioiron incorporation in the mouse spleen. Vacek A, et al. Rev Eur Etud Clin Biol 16:158-61, Feb 71

A macro-autoradiographic method for the demonstration of iron-concentrating spleen colonies. Thomas DB, et al. Transplantation 10:274-5, Sep 70

Tissue injury in lymphocytic choriomeningitis viral infection: virus-induced immunologically specific release of a cytotoxic factor from immune lymphoid cells. Oldstone MB, et al. Virology 42:805-13, Dec 70

[Influence of pH on the tissue uptake of amphetamine-H 3 and ephedrine-C 14 : in vitro studies] Jacquot C, et al. Biochem Pharmacol 18:2415-24, Oct 69 (Fre)

[Studies on FE59 distribution in experimental nitrobenzene poisoning] Goldstein I, et al. Med Lav 61:237-42, Apr 70 (Fre)

[Turnover times of noradrenaline in various rat organs determined by the isotope method: comparison of the the results obtained from utilizaton of l and dl noradrenaline 3H] Bralet J, et al. Pfluegers Arch 323:297-309, 1971 (Fre)

[Distribution of corticosteroid fractions in canine tissues] Fazekas AT. Endokrinologie 57:159-65, 1971 (Ger)

[The diffusin of 59Fe-labelled hemoglobin, an artefact of the fixation with glutaraldehyde] Thiessen G, et al. Histochemie 23:171-5, 1970 (Ger)

[Chemical binding of lead in liver, kidney and spleen during chronic poisoning of cattle] Rüssel HA. Naunyn Schmiedebergs Arch Pharmakol 266:435, 1970 (Ger)

[Studies on the uptake of soluble proteins by immunized cells in vitro] Haas W, et al. Verh Dtsch Ges Pathol 54:253-8, 1970 (Ger)

[Preliminary study of the use of Ga68-labeled compounds in section scintiscanning] Colombetti LG, et al. Acta Isot (Padova) 9:375-90, 30 Sep 69 (Ita)

[Incidence and meaning of spleen and bone marrow uptake in radiocolloid liver scintigraphy] Manduca A, et al. Rass Int Clin Ter 51:1-10, 15 Jan 71 (Ita)

[Effect of glucocorticoids on decomposition of deoxyribonucleoproteins in lymphoid cells in vivo and in vitro] Ermolaeva NV, et al. Biokhimiia 35:1039-45, Sep-Oct 70 (Rus)

[Inclusion of S35-methionine in the proteins of cardiac muscle and several other organs in experimental neurogenic-autoallergic myocardial infarct] Gerelliuk IP. Biull Eksp Biol Med 66:23-6, Aug 68 (Rus)

[Changes in the concentration of sulfhydryl groups in the organs of white rats and mice during reparative regeneration of skeletal muscle] Nikitin VS, et al. Biull Eksp Biol Med 66:103-5, Aug 68 (Rus)

[Immunodiffusion analysis of the proteins synthesized in a single splenic colony of hematopoietic cells] Vasilenkiĭ SS. Biull Eksp Biol Med 69:120-3, Jun 70 (Rus)

[Antiradical tissue activity and radiosensitivity] Kuzin AM, et al. Dokl Akad Nauk SSSR 184:221-4, Jan 69 (Rus)

[Change in the reactive ability of tissue sulfhydryl groups following total or partial irradiation of animals] Speranskaia TA. Dokl Akad Nauk SSSR 188:223-6, Sep-Oct 69 (Rus)

[Sulfhydryl group content and morphological changes in rat organs following intraperitoneal administration of Y-90 and Au-198 colloids] Pavliushchik, et al. Med Radiol (Mosk) 15:54-60, Aug 70 (Rus)

[Cytochemical study of spleen cells in hypoplastic anemia] Rouk VD, et al. Probl Gematol Pereliv Krovi 15:46-50, Aug 70 (Rus)

[Differences in the efects of radiation-protective sympathomimetics on oxygen tension in the spleen] Kulinskiĭ VI. Radiobiologiia 10:910-3, Nov-Dec 70 (Rus)

[Oxidative phosphorylation in spleen mitochondria in acute radiation injury treated by bone marrow transplantation] Malovichko II, et al. Radiobiologiia 10:590-2, Jul-Aug 70 (Rus)

[Effect of splenin on sulfhydryl compounds of the liver and spleen] Oleĭnik BV, et al. Fiziol Zh 17:222-4, Mar-Apr 71 (Ukr)

[Effect of exogenous cortisol on RNA content in the mitochondria and ribonuclease in organs of white rats] Germaniuk IaL, et al. Ukr Biokhim Zh 43:234-8, Mar-Apr 71 (Ukr)

[Protein and lipid biosynthesis in kidney and spleen of the rabbit after partial hepatectomy and effect of sodium bicarbonate and bivalent cations on these processes] Zhurbin GI, et al. Ukr Biokhim Zh 42:325-8, 1970 (Ukr)

MICROBIOLOGY

Survival of Mima polymorpha in the liver and spleen of neonatally thymectomized, nonwasted mice. McCloskey RV. Antimicrob Agents Chemother 9:499-501, 1969

Influence of sensitization with bacterial antigens on the replication of Friend spleen focus-forming virus. Flickinger JT, et al. Can J Microbiol 17:481-6, Apr 71

Very early replication of scrapie in lymphocytic tissue. Mould DL, et al. Nature (Lond) 228:779-80, 21 Nov 70

Multiplication of scrapie agent in mouse spleen. Clarke MC, et al. Res Vet Sci 12:195-7, Mar 71

The unsuccessful dialysis of scrapie agent from goat brain and spleen. Mould DL, et al. Res Vet Sci 11:304-5, May 70

[Immunofluorescence studies of Brucella. II. Demonstration in the organs of experimentally infected mice] Radu I, et al. Arch Roum Pathol Exp Microbiol 29:41-50, Mar-Jun 70 (Fre)

[Presence of viral particles A, B and C in the organs of RIII-Dm-Se mice] Bucciarelli E, et al. Lav Ist Anat Istol Patol Perugia 30:57-72, 1970 (Ita)

[Rauscher virus and its effect on RNA synthesis in the spleen cells of line BALB-c mice] Kiselev FI, et al. Vopr Virusol 15:589-96, Sep-Oct 70 (Rus)

PATHOLOGY

Hodgkin's disease complicated by thrombocytopenia and nephrotic syndrome. Am J Med 51:109-20, Jul 71

The spleen in type I hyperlipoproteinemia. Histochemical, biochemical, microfluorometric and electron microscopic observations. Ferrans VJ, et al. Am J Pathol 64:67-98, Jul 71

Ceroid histiocytosis of spleen and bone marrow in idiopathic thrombocytopenic purpura (ITP): a contribution to the understanding of the sea-blue histiocyte. Rywlin AM, et al. Blood 37:587-93, May 71

Gaucher's cells in thalassemia. Zaino EC, et al. Blood 38:457-62, Oct 71

Salmonella pathogenesis in germ-free mice. A bacteriological and histological study. Ruitenberg EJ, et al. Br J Exp Pathol 52:192-7, Apr 71

Clinicopathologic studies of 117 untreated patients subjected to laparotomy for the staging of Hodgkin's disease. Kadin ME, et al. Cancer 27:1277-94, Jun 71

Effect of ionizing radiation on the frequency and ultrastructure of mast cells in mouse spleen. Viklický V, et al. Folia Biol (Praha) 16:347-52, 1970

Induction of lymphoma in BALB-c mice by Rowson-Parr virus (RPV). Carter RL, et al. Int J Cancer 6:290-303, 15 Sep 70

Hematopoietic stem cells from mice with erythroblastosis. Hajdik I, et al. J Cell Physiol 77:393-400, Jun 71

Lymphoid necrosis in the mouse spleen produced by mouse hepatitis virus (MHV3): an electron-microscopic study. Biggart JD, et al. J Med Microbiol 3:627-32, Nov 70

Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. I. Histology and weight of lymph nodes, spleen, and thymus. Edwards AJ, et al. J Natl Cancer Inst 47:301-11, Aug 71

Rapid assay of murine leukemia virus helper activity for Friend spleen focus-forming virus. Steeves RA, et al. J Natl Cancer Inst 46:1219-28, Jun 71

Marburg virus infection in monkeys. Ultrastructural studies. Murphy FA, et al. Lab Invest 24:279-91, Apr 71

Splenosis: report of a case. Widmann WD, et al. Milit Med 135:293-5, Apr 70

Effect of L-asparaginase on germinal centre haemolysin. Berenbaum MC, et al. Nature (Lond) 231:318-9, 4 Jun 71

Changes in tumour inhibiting activity of allogeneic lymphoid cells derived from donors altered by the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

graft-versus-host reaction. Medzihradský J, et al. Neoplasma 17:355-60, 1970

Surgical staging of abdominal involvement in unselected patients with Hodgkin's disease. Glatstein E, et al. Radiology 97:425-32, Nov 70

Ultrasonic determination of liver and spleem volumes. Kardel T, et al. Scand J Clin Lab Invest 27:123-8, Apr 71

Malignant teratoma of the spleen. Daftary M, et al. Yale J Biol Med 43:283-7, Feb-Apr 71

Histopathological studies on leukemic liver and spleen, with special reference to the sizes of leukemia cells infiltrating the liver. Ito E. Yonago Acta Med 14:106-30, Dec 70

[Recent contributions of histopathology in the knowledge of Hodgkin's disease] Ripault J, et al. Bull Cancer (Paris) 58:21-44, Jan-Mar 71 (Fre)

[The liver and spleen in cirrhotic patients after portocaval derivation] Leger L, et al. Presse Med 79:701-4 passim, 27 Mar 71 (Fre)

[Immunomorphological changes in the preallergic period in experimental tuberculosis] Radanov R, et al. Rev Immunol (Paris) 34:329-41, Oct-Dec 70 (Fre)

[The spleen in Hodgkin's disease. Anatomico-pathological study following splenectomy] Delarue J, et al. Virchows Arch [Pathol Anat] 353:27-44, 1971 (Fre)

[Morphological studies in cattle with pathologic-anatomically predominant spleen leukosis] Beyer J. Arch Exp Veterinaermed 23:739-64, 1969 (Ger)

[Influence of BCG vaccination and growth of methylcholanthrene-induced tumor on the structure of reticulo-histiocytic system of the liver and spleen in rats and mice] Wolf M, et al. Arch Geschwulstforsch 37:152-60, 1971 (Ger)

[Practical significance of liver and spleen scintigraphy in abdominal surgery] Mappes G, et al. Langenbecks Arch Chir 322:153-4, 1968 (Ger)

[Morphology of the spleen follicles of mice of the strain NZB-NZW and C 57-BL-6] Hobik HP, et al. Verh Dtsch Ges Pathol 54:235-8, 1970 (Ger)

[Viral hepatitis of ducklings in an electron microscope study. II. Findings in spleen and muscle] Adamiker D. Zentralbl Veterinaermed [B] 17:880-9, Sep 70 (Ger)

[Morphological and histochemical observations on a case of splenomegaly during drepanocytic anemia] Barbolini G, et al. Arch Ds Vecchi Anat Patol 55:185-215, Jun 69 (Ita)

[On the thanatologic study of the spleen] Tappero P. Minerva Medicoleg 89:12-6, Jan-Feb 69 (Ita)

[Effects of repeated decelerations of moderate intensity and brief duration on experimental animals] Paolucci G. Riv Med Aeronaut Spaz 33:88-99, Jan-Mar 70 (Ita)

[Further contribution to the ultrastructure of spleen in Cooley's disease] Bearzi I, et al. Riv Patol Clin Sper 10:251-67, Jul-Dec 69 (Ita)

[Morphologic studies on spleen colonies from normal and leukemic cells] Niezabitowski A. Patol Pol 22:225-37, Apr-Jun 71 (Pol)

[Morphological changes in the organs of albino mice in mixed tularemia and listeriosis infection] Gets II, et al. Arkh Patol 32:48-53, 1970 (Rus)

[Formation of fibroblast colonies in monolayer cultures of the spleen of irradiated and normal mice] Fridenshtein AIa, et al. Biull Eksp Biol Med 71:74-8, Jan 71 (Rus)

[Plasmocytic reaction in the lymph nodes and spleen of albino rats in bone injury] Kurochkin VI, et al. Biull Eksp Biol Med 70:35-7, Aug 70 (Rus)

[Gaucher-like cells in the spleen in Werlhof's disease] Anokhina IuV, et al. Lab Delo 4:231-3, 1970 (Rus)

[Method testing and observations in the use of plastics for the production of corrosion material of liver, pancreas and spleen] Wiechel KL, et al. Nord Med 86:912, 29 Jul 71 (Swe)

[Lymphogranulomatosis affecting spleen in a 11-year-old child] Sitkovs'kif MB, et al. Pediatr Akush Ginekol 3:31-2, 1970 (Ukr)

PHYSIOLOGY

Effects of norepinephrine on washout of red cells from the spleen. Groom AC, et al. Am J Physiol 221:255-8, Jul 71

Splenic responses to stimulation in Squalus acanthias. Opdyke DF, et al. Am J Physiol 221:623-5, Aug 71

Splanchnic contribution to transcapillary refill after hemorrhagic shock. Marty AT, et al. Ann Surg 174:131-6, Jul 71

Acquisition of autophagic vacuoles by human erythrocytes. Physiological role of the spleen. Holroyde CP, et al. Blood 36:566-75, Nov 70

Reticulocyte sequestration in spleens of normal, anaemic and leukaemic rats. Dornfest BS, et al. Br J Haematol 21:83-94, Jul 71

Exercise, factor VIII and the spleen. Rizza CR, et al. Br J Haematol 20:629-35, Jun 71

Megakaryocytopoiesis in splenectomized and 'hypersplenic' rats. Rolovic Z, et al. Br J Haematol 18:257-68, Mar 70

Studies on the relationship between thymus regeneration and lymphoma prevention in C57Bl-6 mice irradiated and injected with syngeneic spleen cells. Chen L. Int J Cancer 7:491-8, 15 May 71

The effect of some radioprotective substances on the redox equilibrium in the spleen. Mustea I, et al. Int J Radiat Biol 19:281-6, 1971

Effects of splenectomy on production of endotoxin-type interferon in mice. Ito Y, et al. J Child Psychol Psychiatry 12:638-41, Jun 71

The role of the spleen in thrombokinetics. Harker LA. J Lab Clin Med 77:247-53, Feb 71

Effects of lowered temperature on the responses of the smooth muscle of the isolated, blood-perfused dog's spleen to sympathetic nerve stimulation. Davies BN, et al. J Physiol (Lond) 212:18P-19P, Jan 71

Effects of splenectomy on the immune response of the blue gourami Trichogaster trichopterus, to infectious pancreatic necrosis (IPN) virus. Yu ML, et al. Life Sci [II] 9:749-55, 8 Jul 70

Effect of splenectomy on catabolism of homologous IgG in the rabbit. Cajthamlová H, et al. Physiol Bohemoslov 19:531-4, 1970

Evidence for the production of Foà-Kurloff cells by the spleen of guinea-pigs. Sandberg G. Rev Eur Etud Clin Biol 15:867-9, Jun-Jul 70

Influence of splenectomy on thymic release of lymphocytes into the blood. Ernström U, et al. Scand J Haematol 7:342-8, 1970

[Blood storage function of the spleen in the domestic pig. I. Effect of adrenaline and exercise on the hematocrit value and hemoglobin content] Steinhardt M, et al. Arch Exp Veterinaermed 24:817-26, 1970 (Ger)

[Blood storage function of the spleen in the domestic pig. II. Effect of adrenaline and running exercise on plasma and blood volume] Steinhardt M, et al. Arch Exp Veterinaermed 24:827-39, 1970 (Ger)

[The suitability of technetium-labelled erythrocytes for studies on splenic function] Franke WG, et al. Radiol Diagn (Berl) 11:783-9, 1970 (Ger)

[Relations between spleen and hemopoiesis. An experimental study] Fresen O, et al. Z Gesamte Exp Med 154:36-59, 1971 (Ger)

[The first appearance of erythropoiesis stimulating factors in the kidney and spleen of the newborn rabbit] Liotti FS, et al. Haematologica 55:241-58, 1970 (Ita)

[Relations between the kidney and spleen in the control of erythropoiesis] Liotti FS, et al. Haematologica 54:351-72, 1969 (Ita)

[Direct evaluation of splenic removal of erythrocytes on tissues removed during operation] Pannacciulli I, et al. Minerva Med 61:5647-51, 8 Dec 70 (Ita)

[Evaluation of the splenic blood flow by means of devitalized erythrocytes] Tizianello A, et al. Minerva Med 61:5641-6, 8 Dec 70 (Ita)

[Action of the spleen on the excitation level of the brain. 1. Effect of splenectomy on the excitation level of the brain of the rabbit] Mizuno T. Acta Paediatr Jap 74:923-7, Nov 70 (Jap)

[Action of the spleen on excitation level of the brain. 2. Correlation between the spleen and hypophyseal-adrenocortical hormones on fluctuation of the excitation level of the brain of the rabbit] Mizuno T. Acta Paediatr Jap 74:928-35, Nov 70 (Jap)

[The role of the spleen in hematopoiesis. Experimental study] Kurita H. Med J Kobe Univ 31:153-65, Dec 69 (Jap)

[The significance of spleen under normal conditions and in hypothermia] Stążka W, et al. Acta Physiol Pol 21:621-7, Sep-Oct 70 (Pol)

[Morphofunctional characteristics of lymphoid organs and adrenal glands in microbe-free guinea pigs] Chakhava OV, et al. Arkh Anat Gistol Embriol 58:28-34, Jun 70 (Rus)

[The effect of splenectomy on liver regeneration in dogs] Beresnev AV. Biull Eksp Biol Med 69:94-7, Apr 70 (Rus)

[Deafferentation anemia in splenectomized animals] Pekarskiĭ MI. Biull Eksp Biol Med 70:19-22, Dec 70 (Rus)

[Inhibition of bone marrow erythropoiesis in mice with human and rat plasma. Preliminary report] Sánchez-Perovani JA, et al. Rev Esp Fisiol 27:35-8, Mar 71 (Spa)

PHYSIOPATHOLOGY

The role of the spleen in congenital spherocytosis. Macpherson AI, et al. Am J Med 50:35-41, Jan 71

O2 exchange across spleen during asphyxia. Cherniack NS, et al. Am J Physiol 219:1585-9, Dec 70

Sympathetic and hypophyseal roles in the splenic response to hemorrhage. Stark RD, et al. Am J Physiol 220:837-40, Mar 71

Isotopic studies of erythrocyte survival in normal and porphyric cattle: influence of light exposure, blood withdrawal, and splenectomy. Johnson LW, et al. Am J Vet Res 31:2167-77, Dec 70

Splenic function in adult coeliac disease. Marsh GW, et al. Br J Haematol 19:445-57, Oct 70

Studies of splenic function in the myeloproliferative disorders and generalized malignant lymphomas. Pettit JE, et al. Br J Haematol 20:575-86, Jun 71

Splenic constriction with endotoxin shock in the dog. Guntheroth WG, et al. J Appl Physiol 30:517-20, Apr 71

Functional hyposplenia in cyanotic congenital heart disease. Pearson HA, et al. Pediatrics 48:277-80, Aug 71

Experimental transplantation of the spleen. Skodkiewicz M. Pol Med J 10:443-50, 1971

The post hypoxic bone marrow and spleen composition. Beran M, et al. Scand J Haematol 8:5-15, 1971

Splenic destruction of newly-formed red blood cells and shortened erythrocyte survival in mice with congenital microcytosis. Landaw SA, et al. Scand J Haematol 7:516-24, 1970

Ultrastructural modifications of mitochondria and rough endoplasmic reticulum of liver and spleen after a period of hypoxia. Firket H, et al. Virchows Arch [Zellpathol] 8:342-9, 1971

[Influence of splenic passage on erythrocytes] Weinreich J, et al. Acta Hepatosplenol (Stuttg) 17:298-306, Sep-Oct 70 (Ger)

[Hypersplenism. What it is and what not] Fischer J. Internist (Berlin) 12:176-86, Apr 71 (Ger)

[Influence of the spleen and of the reticulo-histiocyte system on the experimental hemorrhagic shock evolution] Novelli GP, et al. Acta Anaesthesiol (Padova) 20:221-41, Mar-Apr 69 (Ita)

[The functions of the spleen and its diseases] Hittmair AM. Rev Clin Esp 115:461-6, 31 Dec 69 (Spa)

RADIATION EFFECTS

A mathematical analysis of endogenous-spleen-colony-formation in irradiated mice. Ueno Y. Acta Haematol Jap 33:291-8, Jun 70

In vitro studies of chicken lymphoid cells. 1. Phytohaemagglutinin induced DNA, RNA and protein synthesis in spleen cells from control-irradiated and bursectomized-irradiated chickens. Alm GV. Acta Pathol Microbiol Scand [B] 78:632-40, 1970

The in vivo spleen response to sheep erythrocytes in bursectomized-irradiated chickens. Alm GV. Acta Pathol Microbiol Scand [B] 78:641-6, 1970

Pathologic effects of different doses of radiostrontium in mice. Changes in the haematopoietic system. Nilsson A. Acta Radiol [Ther] (Stockh) 9:528-44, Dec 70

Management of chronic myeloid leukemia: a five-year survey with a comparison of oral busulfan and splenic irradiation. Gollerkeri MP, et al. Cancer 27:596-601, Mar 71

The effect of ionizing radiation on haemolytic plaques-forming spleen cells upon using certain chemical radioprotectors. Soumerska T. Doki Bolg Akad Nauk 22:105-8, 1969

Bone marrow and spleen interrelation in local irradiation: data of cytometry and Fe59 incorporation. Kabakov YN, et al. Folia Haematol (Leipz) 94:64-73, 1970

Morphological changes in the spleen of irradiated mice nine days after the transplantation of homologous bone marrow. Viktora L. Folia Morphol (Praha) 19:182-6, 1971

Protracted hepatic, splenic and renal retention of 239Pu in the beagle. Stover BJ, et al. Health Phys 20:369-74, Apr 71

Enhancement of residual antibody synthesis by irradiation of the spleen in pre-immunized rats. Simić MM, et al. Nature (Lond) 229:263-4, 22 Jan 71

Kinetic study of endogenous-spleen-colony-forming cells in irradiated mice. Ueno Y. Nippon Acta Radiol 31:13-6, Apr 71

Bone marrow, spleen, and thymus regeneration patterns in mice after whole-body irradiation. Takada A, et al. Radiat Res 45:522-35, Mar 71

Combined effect of irradiation and of some hormones on catheptic activity in rat spleen. Babnik J, et al. Strahlentherapie 140:557-60, Nov 70

[Behavior of acridine-orange (A-O) fluorochrome in cellular elements exposed to ionizing radiations. I. Research in vitro] Di Maggio C, et al. Minerva Med 61:4032-40, 19 Sep 70 (Ita)

[The relative biologic effectiveness of fast electrons generated by the linear accelerator LUE-25] Kozlov AP, et al. Med Radiol (Mosk) 16:69-71, Mar 71 (Rus)

[Resistance of immunocompetent and hematopoietic tissue cells to secondary irradiation in mice] Cheredeev AN. Radiobiologiia 10:863-7, Sep-Oct 70 (Rus)

[Changes in the nucleotide composition of DNA of hematopoietic tissue in mice and monkeys after total body irradiation with gamma rays in doses with greatest leukemia-inducing effect] Grigorovich NA. Radiobiologiia 9:682-5, Sep-Oct 69 (Rus)

[Study of histone biosynthesis in liver and spleen in irradiated animals] Paskevich IF, et al. Radiobiologiia 11:42-7, Jan-Feb 71 (Rus)

[Study of histone biosynthesis in the liver and spleen of irradiated animals] Paskevich LV, et al. Radiobiologiia 10:740-3, Sep-Oct 70 (Rus)

[Suppression of endocolonization of the spleen in sublethally irradiated mice after transplantation of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

allogenic lymphoid cells] Petrov RV, et al. Radiobiologiia 10:532-5, Jul-Aug 70 (Rus)
[Effect of adrenalectomy on the post-radiation changes in DNA synthesis in rat lymphoid organs] Skurikhina MM, et al. Radiobiologiia 10:648-52, Sep-Oct 70 (Rus)
[ATP concentration and the intensity of its resynthesis (according to P32 studies) in several tissues of irradiated ats] Voskoboinikov GV. Vopr Med Khim 16:343-8, Jul-Aug 70 (Rus)
[Study of spleen and liver polysomes of non-immunized and immunized rats with acute radiation injury] Vasil'chenko VN, et al. Ukr Biokhim Zh 42:499-507, 1970 (Ukr)

RADIOGRAPHY

Radiologic survey in the Solomon Islands, 1968: lungs, heart, spleen, scoliosis, bone age, and dental development. Clouse ME, et al. Hum Biol 43:22-35, Feb 71
Prolonged survival with retention of bullet in orbit, lung, or spleen. Report of three cases. The identification of bullets. The relationship between trauma and malignancy. Finck PA, et al. J Forensic Sci 15:565-80, Oct 70
[Radiologic morphology and topography of the normal spleen. Contribution of celiac trunk arteriography] Lamarque JL, et al. J Radiol Electrol Med Nucl 52:19-26, Jan-Feb 71 (Fre)
[Experimental radiographic demonstration of the liver and spleen using tantalum powder] Davaris P, et al. Fortschr Geb Roentgenstr Nuklearmed 114:119-26, Jan 71 (Ger)
[The gastric and extragastric visceral lymphography] Uchida H. Nippon Acta Radiol 31:259-85, Jun 71 (Jap)

SECRETION

Release of chromogranin A and dopamine-beta-hydroxylase from adrenergic nerves during nerve stimulation. De Potter WP, et al. Acta Physiol Scand 8, 1970
The effect of cocaine on the noradrenaline overflow from the isolated blood-perfused cat spleen. Cripps H, et al. J Physiol (Lond) 209:Suppl:37P+, Jul 70

SURGERY

Splenopexy by grid adhesion. A new method for producing anastomoses between the portal and systemic circulations. Gottlob R, et al. Ger Med Mon 1:9-10, Spring 71
Induction of functional asplenia: a piece in the splenic puzzle. Strauch GO, et al. J Pediatr Surg 6:45-8, Feb 71
Spleeno-myocardial pexia as a method for myocardial revascularization. Johansson L, et al. Scand J Thorac Cardiovasc Surg 4:143-7, 1970
[Subcutaneous transposition of the spleen. Experimental study] Vosmik J, et al. Rozhl Chir 50:212-4, Apr 71 (Cze)
[Spleno-hepatoplasty in the treatment of liver cirrhosis] Benichoux R, et al. Presse Med 79:79-82, 16 Jan 71 (Fre)
[Splenopexy with "grid adhesives". A new method for the formation of anastomoses between portal and systemic circulation] Gottlob R, et al. Dtsch Med Wochenschr 96:258-9, 5 Feb 71 (Ger)
[The viability of an ovary, implanted to the spleen] Fels E, et al. Endokrinologie 56:213-7, 1970 (Ger)
[Dynamics of growth of ovaries transplanted into kidney and spleen in rats] Dux K, et al. Endokrynol Pol 22:197-211, May-Jun 71 (Pol)
[Changes in the cell number of ovaries transplanted into the spleen of castrated female rats] Dux K, et al. Endokrynol Pol 22:229-34, May-Jun 71 (Pol)
[Histologic and morphometric studies of ovaries transplanted into the kidney and spleen of rats] Skurzak H, et al. Endokrynol Pol 22:213-27, May-Jun 71 (Pol)
[Development of ovarian tumors in rats caused by intrasplenic transplants] Skurzak H, et al. Nowotwory 21:97-102, Apr-Jun 71 (Pol)
[Transposition of spleen into pleural cavity in children with portal hypertension] Kushch NL, et al. Klin Khir 10:32-6, Oct 69 (Rus)

TRANSPLANTATION

Body temperature changes during organ transplantation. Aldrete JA, et al. Anesth Analg (Cleve) 49:384-8, May-Jun 70
A difference between spleen-derived and bone marrow-derived colony-forming units in ability to protect lethally irradiated mice. Kretchmar AL, et al. Blood 36:772-6, Dec 70
Radiation and the plating efficiency of haemopoietic stem cells in the spleen colony assay technique. Hendry JH, et al. Br J Radiol 44:652, Aug 71
Cellular control of blood coagulation. II. The response to adrenalin after allogeneic cell transfer. Kowarzyk H, et al. Bull Acad Pol Sci [Biol] 19:221-2, 1971
Subcutaneous transposition of the spleen. An experimental study. Bengmark S, et al. Bull Soc Int Chir 29:156-8, May-Jun 70
The adoptive transfer of concomitant immunity to murine tumor isografts with spleen cells from tumor-bearing animals. Deckers PJ, et al. Cancer Res 31:734-42, Jun 71
Renal disease in (NZB x NZW) F1 mice treated with antilymphocytic antibody. II. Effects of restoration with isogeneic, allogeneic, and xenogeneic lymphoid cells. Denman AM, et al. Clin Exp Immunol 6:841-59, Jun 70
Transplantation of a portion of spleen into genetically anaemic mice. Selier MJ. Clin Sci 40:26P, Jun 71
Effect of pore size of membrane filter barrier on growth stimulation of embryonic spleen graft by adult chicken spleen. Eastwood CJ, et al. Exp Cell Res 58:10-4, Nov 69
Allotypic suppression of adult mouse spleen cells. Anderson HR. Immunology 19:169-79, Jul 70
Radioautographic study of cellular mechanisms in delayed hypersensitivity. IV. Distribution of injected lymph node, spleen, thymus and bone marrow cells. Kosunen TU. Immunology 19:117-24, Jul 70
Transplantation tolerance following transfer of donor spleen cells in adult animals. Liacopoulos P, et al. Int Arch Allergy Appl Immunol 41:101-9, 1971
Effect of combination treatment with cyclophosphamide and isogeneic or allogeneic spleen and bone marrow cells in leukemic (L1210) mice. Vadiamudi S, et al. Int J Cancer 7:160-6, 15 Jan 71
Splenic transplantation in a case of Gaucher's disease. Groth CG, et al. Lancet 1:1280-4, 19 Jun 71
Spleen transplant in Gaucher's disease. Pappworth MH. Lancet 2:220, 24 Jul 71
Experimental transplantation of the spleen. Skodkiewicz M. Pol Med J 10:443-50, 1971
Leukemia virus activation in chronic allogeneic disease. Hirsch MS, et al. Proc Natl Acad Sci USA 67:1914-7, Dec 70
Proliferation of donor spleen and bone-marrow cells in the spleens and bone marrows of unirradiated and irradiated adult mice. Takada A, et al. Proc Soc Exp Biol Med 136:222-6, Jan 71
Chimaerism and mortality of irradiated mice injected with allogeneic spleen and bone marrow cells. Boranić M, et al. Rev Eur Etud Clin Biol 16:161-6, Feb 71
Intraportal splenic autotransplantation to the liver. Pegg CA, et al. Surg Forum 21:350-2, 1970
Intraportal spleen cell autotransplantation. Pegg CA, et al. Surgery 69:433-40, Mar 71
Nonspecific cytotoxicity in graft-versus-host reactions. Singh JN, et al. Transplantation 11:475-8, May 71
[Portocaval shunt by spleen transplantation into the thoracic space] Turunen MI, et al. Dtsch Z Verdau Stoffwechselkr 30:111-4, 1970 (Ger)
[Intrathoracic splenosis] Freise G, et al. Med Klin 65:406-9, 27 Feb 70 (Ger)
[Action of cyclophosphamide on splenic autografts in the rat] Laurentaci G, et al. Boll Soc Ital Biol Sper 46:602-4, 15 Jul 70 (Ita)
[Action of amethopterin on splenic autografts in the rat] Laurentaci G, et al. Boll Soc Ital Biol Sper 46:600-2, 15 Jul 70 (Ita)
[Action of 6-mercaptopurine on splenic autografts in the rat] Laurentaci G, et al. Boll Soc Ital Biol Sper 45:1566-8, 15 Dec 69 (Ita)
[Transplantation of the spleen in the rat: technical aspects and results in the absence of treatment for rejection] Ronzoni G, et al. Chir Patol Sper 17:293-306, Oct 69 (Ita)
[Experimental research on orthotopic homologous transplant of the spleen] Rolfo F, et al. Minerva Chir 26:597-602, 15 Jun 71 (Ita)
[Experimental studies on spleen transplantation] Skodkiewicz M. Pol Arch Med Wewn 45:295-302, 1970 (Pol)
[Stimulation of liver cell proliferative activity in unoperated mice with lymphoid cells from partially hepatectomized donors] Babaeva AG, et al. Biull Eksp Biol Med 68:91-4, Jun 69 (Rus)
[An experimental analysis of the origin of antibody producing cells in the spleen of an intact recipient following transplantation of cells from an immunized donor] Fontalin LN, et al. Biull Eksp Biol Med 63:108-13, Nov 67 (Rus)
[Inhibition of the function of hematopoietic tissue stem cells by phytohemagglutinin and antilymphocyte serum] Golovanova TA, et al. Biull Eksp Biol Med 70:86-9, Nov 70 (Rus)
[Induction of immune tolerance in adult mice by multiple administration of allogenic spleen cells] Golovistikov IN. Biull Eksp Biol Med 66:88-90, 1968 (Rus)
[The cytotoxic action of the spleen cells of irradiated and non-irradiated rabbits] Klemparskaia NN, et al. Biull Eksp Biol Med 65:48-51, Apr 68 (Rus)
[Quantitative assessment of the effect of radiation on the homotransplantation activity of lymphoid cells] Seslavina LS. Radiobiologiia 9:715-9, Sep-Oct 69 (Rus)
[Induction of cellular autoimmune reactions to the liver in mice by implanting spleen cells of syngeneic donors with toxic hepatitis] Sukernik RT, et al. Tsitologiia 13:636-43, May 71 (Rus)
[Immune reactions to the serum proteins of the donor following transplantation of xenogenic lymphoid cells] Maianskiĭ DN. Zh Mikrobiol Epidemiol Immunobiol 46:51-6, Oct 69 (Rus)

SPLENECTOMY (E4)

Splenectomy in Hodgkin's Disease for splenomegaly, cytopenias and intolerance to myelosuppressive chemotherapy. Lowenbraun S, et al. Am J Med 50:49-55, Jan 71
Splenectomy for massive splenomegaly due to myeloid metaplasia. Morgenstern L. Am J Surg 122:288-93, Aug 71
Immunosuppression in rodent malaria. Effect upon recovery and antibody response. Barker LR, et al. Am J Trop Med Hyg 20:389-93, May 71
Childhood splenectomy: indications for and results from. Kisewetter WB, et al. Am Surg 37:135-9, Mar 71
Purpura, arthralgia, and IgM-IgM cryoglobulinemia with rheumatoid factor acrivity. Response to cyclophosphamide and splenectomy. Mathison DA, et al. Ann Intern Med 74:383-90, Mar 71
Felty's syndrome: long-term follow-up after splenectomy. Moore RA, et al. Ann Intern Med 75:381-5, Sep 71
The selection of patients for splenectomy. Weatherall DJ. Ann R Coll Surg Engl 48:29, Jan 71
Spleno-renal shunt, cholecystectomy, and appendectomy in a patient with hemophilia A, and abnormal fibrinogen, and thrombocytopenia. Gaston LW, et al. Ann Surg 173:234-7, Feb 71
Dilutional anemia of splenomegaly: an indication for splenectomy. Hess CE, et al. Ann Surg 173:693-9, May 71
Lymphosarcoma of the spleen. Results of diagnostic splenectomy in 11 patients. Skarin AT, et al. Arch Intern Med 127:259-65, Feb 71
Usefulness of laparotomy and splenectomy in Hodgkin's disease. Vélez García E, et al. Bol Asoc Med PR 63:104-12, May 71
The sequestration site of platelets in idiopathic thrombocytopenic purpura: its correlation with the results of splenectomy. Najean Y, et al. Br J Haematol 21:153-64, Aug 71
Splenectomyin patients with lyhosarcoma. Br Med J 1:518, 6 Mar 71
The effect of splenectomy on the pathogenicity of Fasciola hepatica in the sheep. Sinclair KB. Br Vet J 126:15-29, Jan 70
Cellular control of the blood coagulation. I. The response to adrenaline after splenectomy and cell re-infusion. Kowarzyk H, et al. Bull Acad Pol Sci [Biol] 19:77-9, 1971
Effect of splenectomy on the clinical picture and survival time of platelets in children with idiopathic thrombocytopenic purpura. Kozlowska J, et al. Bull Pol Med Sci Hist 13:172-8, Oct 70
Effect of prior splenectomy on hematologic tolerance during total lymphoid radiotherapy of patients with Hodgkin's disease. Salzman JR, et al. Cancer 27:471-8, Feb 71
Laparotomy and splenectomy as routine investigations in the staging of Hodgkin's disease before treatment. Jelliffe AM, et al. Clin Radiol 21:439-45, Oct 70
Splenectomy as an adjunct to the treatment of Hodgkin's disease. Nuland SB. Conn Med 34:851-5, Dec 70
Splenectomy as a stimulus of antibody formation. Bednařík T, et al. Folia Biol (Praha) 17:196-9, 1971
Effects of splenectomy on production of endotoxin-type interferon in mice. Ito Y, et al. J Child Psychol Psychiatry 12:638-41, Jun 71
Regulation of homocytotropic antibody formation in the rat. 3. Effect of thymectomy and splenectomy. Okumura K, et al. J Immunol 106:1019-25, Apr 71
Splenectomy and prevention of Rh sensitisation. Huchet J, et al. Lancet 1:603, 20 Mar 71
Laparotomy for staging of Hodgkin's disease. Perlin E, et al. Lancet 1:494, 6 Mar 71
Serum-immunoglobulin levels in thalassaemia and the effects of splenectomy. Wasi C, et al. Lancet 2:237-9, 31 Jul 71
Influence of splenectomy on the development of leukemia in male mice of the ICRC strain. Pai SR, et al. Life Sci [II] 10:475-9, 22 Apr 71
Blunt trauma and the normal spleen: peacetime experience at a military hospital in Europe. Widmann WD. Milit Med 134:25-35, Jan 69
Abdominal surgery. 3. Welch CE. N Engl J Med 284:534-9, 11 Mar 71 (44 ref.)
Neonatal rupture of the spleen. Report of a case successfully treated after spontaneous cessation of hemorrhage. Leape LL, et al. Pediatrics 47:101-4, Jan 71
Formation of antibodies to immunoglobulins after splenectomy during intravenous and depot immunization. Bednařík T, et al. Physiol Bohemoslov 19:135-8, 1970
Formation of precipitins to albumin in normal and splenectomized rabbits during intravenous immunization. Bednařík T, et al. Physiol Bohemoslov 20:39-42, 1971
Sequestration of heat-damaged red cells in splenectomized rats. Sebestík V, et al. Physiol Bohemoslov 20:33-8, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Recovery from radiation injury with and without bone marrow transplantation: effects of splenectomy. Smith LH, et al. Radiat Res 44:248-61, Oct 70
Splenectomy in haematology. Indications, results, and complications in 41 cases. Christensen BE, et al. Scand J Haematol 7:247-60, 1970
Influence of splenectomy on thymic release of lymphocytes into the blood. Ernström U, et al. Scand J Haematol 7:342-8, 1970
Splenectomy. South Med J 64:695-702, Jun 71
Maintenance of dogs without splanchnic portal organs. Price JB Jr, et al. Surg Forum 21:360-1, 1970
Splenectomy for lymphosarcoma. Hyatt DF, et al. Surg Gynecol Obstet 131:928-32, Nov 70
Observations on postsplenectomy drainage and its significance. Reynolds BM. Surgery 68:783-5, Nov 70
Mammary tumorigenesis in splenectomized mice. Squartini F, et al.
Tex Rep Biol Med 28:115-21, Spring 70
Pathogenicity of Trichomonas hominis to splenectomized rats. al-Dabagh MA, et al.
Trans R Soc Trop Med Hyg 64:826-8, 1970
[Surgical therapy of portal hypertension in childhood] Kabelka M, et al. Rozhl Chir 50:1-10, Jan 71 (Cze)
[Treatment of idiopathic thrombocytopenic purpura] Bloch Thomsen PE. Nord Med 85:968, 12 Aug 71 (Dan)
[Surgery and hemorrhagic diathesis] Vignon H, et al. Agressologie 11:437-43, 1970 (Fre)
[Importance of laparotomy and splenectomy in the course of Hodgkin's disease] Rakotoarimanana D, et al. Ann Med Interne (Paris) 121:269-82, Mar 70 (Fre)
[Discussion with reference to laparotomy and splenectomy in Hodgkin's disease] Teillet F, et al. Ann Med Interne (Paris) 121:283-4, Mar 70 (Fre)
[Effect of the removal of the thymus and of the spleen on the leukocyte response to cortisone in the rat. Origin of the blood lymphocytes sensitive to the action of that hormone] Aschkenasy A.
C R Soc Biol (Paris) 164:951-6, 1970 (Fre)
[Effects of ablation of the thymus, spleen or both organs simultaneously on neutrophils and lymphocytes, as well as serum proteins in a balanced diet or during refeeding following nitrogen starvation] Aschkenasy A.
J Physiol (Paris) 1:Suppl 1:70, 1969 (Fre)
[15 new cases of splenectomy in Hodgkin's disease. Value of previous radioisotope scanning] Revol L, et al. Lyon Med 224:939-40, 27 Dec 70 (Fre)
[Splenectomies for hematologic indications] Bernard J. Mem Acad Chir (Paris) 95:679-81, Oct 69 (Fre)
[360 splenectomies for "hematologic indication"] Mialaret J, et al.
Mem Acad Chir (Paris) 95:863-79, Oct 69 (Fre)
[Indication for splenectomy in idiopathic thrombopenic purpura] Najean Y, et al.
Presse Med 79:443-8, 24 Feb 71 (Fre)
[The place of laparatomy-splenectomy in the therapeutic management of Hodgkin's disease] Wagenknecht L, et al.
Schweiz Med Wochenschr 100:1999-2000, 14 Nov 70 (Fre)
[Splenectomy indications] Bernard J.
Therapeutique 47:127-8, Feb 71 (Fre)
[Current treatment of idiopathic thrombopenia] Caen J, et al. Therapeutique 47:133-6, Feb 71 (Fre)
[Hematologic indications for splenectomy in childhood] Hofmann K, et al.
Dtsch Gesundheitsw 25:1236-44, 30 Jun 70 (Ger)
[Treatment of constitutional hemolytic jaundice (hereditary spherocytosis)] Gehrmann G.
Dtsch Med Wochenschr 96:1195-8, 9 Jul 71 (Ger)
[Legal importance of traumatic splenectomy] Küppermann W.
Hefte Unfallheilkd 107:104-7, 1970 (Ger)
[Indications for splenectomy] Clément F.
Praxis 60:162-6, 9 Feb 71 (Ger)
[On the increased IgG-level following splenectomy] Bednařík T, et al.
Z Immunitaetsforsch Exp Klin Immunol 141:378-84, Apr 71 (Ger)
[Studies on acid resistance of erythrocytes (erythrogram) after splenectomy and blood loss] Somora J, et al. Z Versuchstierkd 12:261-4, 1970 (Ger)
[Hodgkin's disease with exclusive splenic localization. Description of 2 cases and review of literature (with special reference to the problem of splenectomy)] Bacci G, et al.
Arch Patol Clin Med 45:268-88, Feb 69 (Ita)
[Hyperbaric oxygenation in normal and splenectomized rats] Cifaldi S, et al.
Boll Soc Ital Biol Sper 45:1631-3, 31 Dec 69 (Ita)
[Effects of splenectomy on reticulocytosis caused by bloodletting in the rabbit] Liotti FS, et al.
Boll Soc Ital Biol Sper 46:898-902, 15 Nov 70 (Ita)
[Leukolymphosarcoma in spontaneous subcomplete remission 19 years after splenectomy] Bignotti G.
Haematol Lat 13:157-61, Apr-Jun 70 (Ita)
[Studies of the behavior of collagen as an index of the regenerative activity of the liver in various experimental conditions. I. Hepatic regeneration after partial hepatectomy associated with splenectomy, ligation of the splenic superior mesenteric and gastroduodenal veins in the rat] Pirozzi V, et al.
Osp Ital Chir 22:229-35, May-Jun 70 (Ita)
[Indications for splenectomy] Pasquazzi M.
Policlinico [Prat] 78:374-8, 1 May 71 (Ita)
[Experimental findings on spleno-endocrine correlations. Influence of splenectomy on blood luteinizing activity in rats] Oppo GT, et al.
Quad Clin Ostet Ginecol 24:43-62, Jan 69 (Ita)
[Regular check-ups of patients splenectomized following injuries. Considerations and hygienic-social proposals] Chignoli V.
Rass Int Clin Ter 49:1147-56, 30 Sep 69 (Ita)
[Action of the spleen on the excitation level of the brain. 1. Effect of splenectomy on the excitation level of the brain of the rabbit] Mizuno T.
Acta Paediatr Jap 74:923-7, Nov 70 (Jap)
[Effect of splenectomy on the clinical picture and the survival time of platelets in children with chronic idiopathic thrombocytopenia] Kozlowska J, et al.
Pediatr Pol 45:901-9, Aug 70 (Pol)
[Delayed results of splenectomy in idiopathic thrombocytopenic purpura] Krykowski E, et al.
Pol Tyg Lek 26:15-7, 4 Jan 71 (Pol)
[Indications for splenectomy in splenomegaly] Migdalska-Kornacka Z, et al.
Pol Tyg Lek 26:213-5, 8 Jul 71 (Pol)
[The effect of splenectomy on liver regeneration in dogs] Beresnev AV.
Biull Eksp Biol Med 69:94-7, Apr 70 (Rus)
[Effectiveness of splenectomy in hemoglobinopathy H] Didkovskif NA, et al.
Klin Med (Mosk) 48:164-7, Aug 70 (Rus)
[Indices for differential surgery in blood diseases] Kassirskif IA. Klin Med (Mosk) 48:62-77, Aug 70 (Rus)
[Effect of splenectomy on the coagulogram indices in Werlhof's disease] Demidiuk PF, et al.
Probl Gematol Pereliv Krovi 16:39-44, Feb 71 (Rus)
[Changes in the acid-base equilibrium and in the most important electrolytes in patients with congenital hemolytic anemia during splenectomy] Grozdov DM, et al.
Probl Gematol Pereliv Krovi 16:32-5, Feb 71 (Rus)
[Change in haptoglobin content in hemolytic anemia following splenectomy] Turchenko EI, et al.
Probl Gematol Pereliv Krovi 15:10-5, Dec 70 (Rus)
[Splenectomy and cholecystectomy in hereditary hemolytic disease at the height of severe hemolytic crisis] Iashanin IuV.
Vestn Khir 103:141-2, Aug 69 (Rus)
[Surgery of portal hypertension under conditions of ascites] Napalkov PN, et al.
Vestn Khir 106:25-9, Jan 71 (Rus)
[Our judgment concerning several disputed problems related to the surgical treatment of portal hypertension] Patsiora MD.
Vestn Khir 106:124-30, Apr 71 (Rus)
[Prevention and treatment of postoperative complications following splenectomy in patients with hemolytic anemia] Senchilo EA, et al.
Vestn Khir 102:51-7, May 69 (Rus)
[Late results of splenectomy for traumatic rupture of the spleen in children] Mosiagina EN, et al.
Vopr Okhr Materin Det 16:84, Feb 71 (Rus)
[Splenectomy in various hematologic diseases] Reynoso Zúñiga E, et al.
Cir Cir 38:251-76, May-Jun 70 (Spa)
[Leukemogenic effect of X rays in BALB mice; effect of splenectomy] Saal F, et al.
Medicina (B Aires) 30:365-71, Jul-Aug 70 (Spa)
[Intraerythrocytic structure after splenectomy] Berg B, et al. Nord Med 84:1572-3, 3 Dec 70 (Swe)
[Splenectomy in hematologic diseases] Branehög I, et al. Nord Med 84:1348, 15 Oct 70 (Swe)
[Why perform splenectomy?] Domellöf L, et al.
Nord Med 84:1347, 15 Oct 70 (Swe)
[Splenectomy in malignancy of the upper part of the abdomen] Olsson AM, et al.
Nord Med 84:1347-8, 15 Oct 70 (Swe)
[Role of splenectomy in 6 cases of major thalassemia] Uras A, et al. Tip Fak Mecm 32:605-15, 1969 (Tur)
[Megakaryocytic thrombocytopenic purpura (report of 56 cases)] Cepelja Z, et al.
Lijec Vjesn 92:49-55, 1970 (Cro)
[Indications for splenectomy] Litričin T, et al.
Med Glas 24:65-9, Feb 70 (Cro)

ADVERSE EFFECTS

Streptococcal infection leading to cardiac and renal involvement in thalassaemia. Wasi P.
Lancet 1:949-50, 8 May 71
Is splenectomy harmless? Cole F.
Surg Gynecol Obstet 133:98-9, Jul 71
[Thromboses in portal circulation following splenectomy] Korhoň M, et al.
Chirurg 42:227-8, May 71 (Ger)
[Immunologic studies following splenectomy and their importance on wound healing and expert testimony] Lennert KA. Hefte Unfallheilkd 107:101-4, 1970 (Ger)
[Consequences of spleen loss in children and adults] Rastetter J. Hefte Unfallheilkd 102:157-63, 1970 (Ger)
[Streptococcus angina, myocarditis and toxoplasmosis following splenectomy] Renschler HE, et al.
Internist (Berlin) 11:150-1, Apr 70 (Ger)
[The effect of splenectomy on liver function] Liddle JR, et al.
Monatsschr Unfallheilkd 72:170-7, Apr 69 (Ger)
[Wound healing disturbances after splenectomy] Lennert KA, et al.
Munch Med Wochenschr 112:146-8, 23 Jan 70 (Ger)
[Postsplenectomy hemorrhage] Berchtold R, et al.
Schweiz Med Wochenschr 100:2105-10, 5 Dec 70 (Ger)
[Electrocardiographic changes in dogs after splenecomy] De Franciscis P, et al.
Boll Soc Ital Biol Sper 45:332-6, 31 Mar 69 (Ita)

HISTORY

The Helmontian George Thomson and William Harvey: the revival and application of splenectomy to physiological research. (Thomson G), (Harvey W), Webster C. Med Hist 15:154-67, Apr 71

VETERINARY

[Babesiasis and anaplasmosis of cattle in Madagascar. II. Influence of splenectomy] Ullenberg G.
Rev Elev Med Vet Pays Trop 22:237-48, 1969 (Fre)

SPLENIC ARTERY (A7)

Bleeding esophageal varices due to splenic arteriovenous fistula. Nissan S, et al.
Am J Gastroenterol 55:379-82, Apr 71
Respiratory alterations in the intensity of the continuous murmur of splenic arteriovenous fistula. Hyman AL, et al. Ann Intern Med 74:947-9, Jun 71
A patient with multiple aneurysms of the splenic artery. Pernot JH. Arch Chir Neerl 22:165-71, 1970
Splénic artery aneurysm. Moore SW, et al.
Bull Soc Int Chir 29:210-8, Jul-Aug 70
Splenic artery aneurysm. Klugman SN.
Cent Afr J Med 16:179-80, Aug 70
Hepatic lobar distribution of splenic and mesenteric blood flow in man. Grossmann RJ, et al.
Gastroenterology 60:1047-52, Jun 71
Splenic arteriovenous fistula with bacterial endarteritis and endocarditis. Quintiliani R, et al.
JAMA 214:727-30, 26 Oct 70
Aneurysm of splenic artery. Gordimer H, et al.
NY State J Med 70:2726-31, 1 Nov 70
[Arteriovenous fistula of the splenic vessels and portal hypertension] Zejda V. Rozhl Chir 50:310-4, 1971 (Cze)
[Perforation of a splenic artery aneurysm] Mašurka V.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:175-7, 1970 (Cze)
[Splenic artery aneurysm: 9 cases] Hivet M, et al.
Ann Chir 23:183-95, Feb 69 (Fre)
[Arterial erosions of pancreatic pseudocysts. Angiographic study of 6 cases] L'Herminé C, et al.
Ann Radiol (Paris) 14:55-63, Jan-Feb 71 (Fre)
[Diagnostic value of auscultation of the abdominal vessels. Dupey F.
Arch Fr Mal App Dig 58:233-44, Apr-May 69 (Fre)
[Arteriovenous aneurysm of the splenic pedicle with portal hypertension] Stoppa R, et al.
Chirurgie 96:423-30, 1970 (Fre)
[Hemoperitoneum caused by rupture, in the spleen, of an aneurysm of the splenic artery] Patel JC, et al.
J Chir (Paris) 101:571-5, May-Jun 71 (Fre)
[Aniography of digestive tract aneurysms] Bellin A, et al. J Radiol Electrol Med Nucl 50:363-5, May 69 (Fre)
[Cataclysmic digestive hemorrhage following an arterio-venous fistula of the splenic vessels. Surgerical treatment. Cure] Murat J, et al.
Lyon Chir 65:586-8, Jul-Aug 69 (Fre)
[Arterial and arteriovenous aneurysms of the splenic stalk: 3 cases] Nosny P, et al.
Med Trop (Mars) 29:347-55, May-Jun 69 (Fre)
[Arteriovenous aneurysm of the splenic pedicle] Kamoun A, et al. Tunis Med 48:121-7, Mar-Apr 70 (Fre)
[Clinical manifestations of spontaneous hemorrhages into the abdominal cavity with special reference to hemorrhages from the splenic artery and vein] Kövér G, et al. Orv Hetil 112:1163-5, 16 May 71 (Hun)
[Carcinoma of the body and tail of the pancreas with arterial murmurs in the epigastrium] Motomura S, et al. Naika 27:351-4, Feb 71 (Jap)
[Spontaneous rupture of a splenic artery aneurysm and pregnancy: report of 3 cases and review of the literature] Novo JL, et al.
Matern Infanc (Sao Paulo) 29:333-56, Jul-Sep 70 (Por)
[Aneurysm of the splenic artery] Koshchug GD.
Vestn Khir 104:120-1, Mar 70 (Rus)

ABNORMALITIES

[Problems of the splenic artery] Tischendorf F.
Z Anat Entwicklungsgesch 132:339-49, 1970 (Ger)

DRUG EFFECTS

[Pharmacodynamic amelioration of return portography in celiosplenic angiography (preliminary note)] Weill F, et al.
J Radiol Electrol Med Nucl 50:177, Mar-Apr 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Angiographic diagnosis of tumors arising from the pancreatic islets. Boijsen E, et al.
Acta Radiol [Diagn] (Stockh) 10:161-76, May 70
Splenic trauma--a pitfall in diagnosis. Tuttle RJ.
J Can Assoc Radiol 22:160-2, Jun 71
Arteriographic studies of splenic and hepatic arteries in portal hypertension. Yamauchi H, et al.
Tohoku J Exp Med 101:363-74, Aug 70
[Caliber at origin of the digestive branches and the aorta in children (inferior mesenteric artery excluded)] Debrun G, et al.
Ann Radiol (Paris) 13:727-9, 1970 (Fre)
[A case of subcapsular hematoma of the spleen diagnosed by selective arteriography of the splenic artery] Geriniere P, et al.
Lyon Chir 67:63, Jan-Feb 71 (Fre)

SURGERY

Splenic artery implantation in the kidney. Effect on experimental renal hypertension. Manz C, et al.
Arch Surg 103:242-7, Aug 71
Aneurysm of the splenic artery. Sabety AM, et al.
J Med Soc NJ 67:701-3, Nov 70
Scan evidence of organ involution and improvement of hypersplenism in Hodgkin's disease following splenic artery ligation. Nuland SB, et al.
J Nucl Med 11:692-4, Nov 70
An experimental anatomic study of indirect myocardial revascularization. Gardner RJ, et al.
J Surg Res 11:243-7, May 71
[Subcutaneous transposition of the spleen. Experimental study] Vosmík J, et al.
Rozhl Chir 50:212-4, Apr 71 (Cze)
[Aneurysm of the proper hepatic artery treated by resection with reestablishment of arterial circulation by splenohepatic anastomosis] Saubier EC, et al.
Lyon Chir 67:176-80, May-Jun 71 (Fre)
[Selective renal angiography through an implanted splenic artery] Beduhn D, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:133-7, Aug 70 (Ger)
[Esophagoplasty of the anterior thorax using the stomach tube with reconstructed blood vessels] Nakamura T, et al. Shujutsu 25:21-6, Jan 71 (Jap)
[Use of arteriovenous anastomosis in liver cirrhosis] Patsiora MD, et al.
Khirurgiia (Mosk) 47:99-105, Jan 71 (Rus)

TRANSPLANTATION

Renal revascularization by splenic artery implantation. Lanier VC Jr, et al. Surg Forum 21:175-7, 1970

SPLENIC DISEASES (C9)

Hydatid disease of the spleen. A case-report. Warambo MW. East Afr Med J 47:288-7, May 70
Cysts of the spleen. Report of two cases. Monasch S. Trop Geogr Med 22:486-93, Dec 70
[A case of non-parasitic calcified cyst of the spleen] Fenzy A, et al.
Arch Fr Mal App Dig 58:846, Dec 69 (Fre)
[Kidney echinococcosis with penetration into the spleen capsule] Fiedler U.
Dtsch Med J 20:277-9, 1969 (Ger)
[A case of calcified epidermoid cyst of the spleen] Takahashi Y, et al.
J Jap Soc Intern Med 60:539-46, 10 Jun 71 (Jap)
[Torsion of the spleen] Kompacheva GS.
Vestn Khir 104:102-3, Jun 70 (Rus)
[Angiomatosis of the spleen] Bref VP.
Pediatr Akush Ginekol 5:30-1, Sep-Oct 70 (Ukr)

CHEMICALLY INDUCED

Kidney, spleen and liver necrosis following intrauterine fetal transfusions. Craig JM, et al.
Biol Neonate 16:197-208, 1970
Splenic atrophy following thorotrast administration. McLoughlin GP, et al. Br J Radiol 44:404, May 71
[Hepato-spleno-lymphatic thorotrastosis. Apropos of an anatomo-clinical case] Roujeau J, et al.
Sem Hop Paris 47:818-24, 14 Mar 71 (Fre)

COMPLICATIONS

Follicular lymphoma of the spleen in patients with hepatosplenic Schistosomiasis mansoni. Andrade ZA, et al. Am J Trop Med Hyg 20:237-43, Mar 71
Splenic abscess causing obstruction of the large intestine: first reported case. Podgorny G.
Am Surg 37:269-72, May 71
Functional hyposplenia in cyanotic congenital heart disease. Pearson HA, et al.
Pediatrics 48:277-80, Aug 71
[Splenic portal hypertension (clinical and experimental research)] D'Addato M.
Acta Chir Ital 25:661-723, Nov-Dec 69 (Ita)
[Splenic hyalinosis in the course of blood diseases. Morphological, immunohistochemical and histochemical findings] Pozzi R, et al.
Arch De Vecchi Anat Patol 55:355-76, Oct 69 (Ita)
[Deep cerebrovascular malformation complicated by multiple splenic cysts] Mino M, et al.
Jap J Clin Med 29:1605-10, 1971 (Jap)

DIAGNOSIS

Spleen scanning using a double isotope technique. Costeas A, et al. Br J Radiol 44:404, May 71
Investigations of the liver, spleen and pancreas using radionuclides. Williams R. Br J Radiol 44:400-1, May 71
Liver and spleen scanning: some physical and clinical aspects. Wood EJ, et al. Br J Radiol 44:402, May 71
Visualization of the human spleen with 99mTc-labeled red blood cells. Eckelman W, et al.
J Nucl Med 12:310-1, Jun 71
Identification of cases of "acquired" functional asplenia. Spencer RP, et al. J Nucl Med 11:763-6, Dec 70
Chemical and electron microscope observations of a safe PVP-stabilized colloid for liver and spleen scanning. Szymendera J, et al.
J Nucl Med 12:212-5, May 71
Splenic masses detected by scintillation imaging and contrast tomography. Morgan H, et al.
Radiology 97:301-6, Nov 70
The value of scintiscans in the diagnosis of splenic abscess. Zook EG, et al.
Surg Gynecol Obstet 131:1125-9, Dec 70
[Spleen scintigraphy in clinical diagnosis] Kuba J.
Cas Lek Cesk 110:413-5, Apr 71 (Cze)
["Rapid" isotopic exploration with iron-59 (Najean's technic)] Reboul J, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:459+, May 69 (Fre)
[Diagnosis of left hypochondrial region tumors] Smadja M, et al.
Rev Med Chir Mal Foie 45:171-6, 1970 (Fre)
[Ultrasonics sectional picture method in the diagnosis of abdominal diseases] Wewalka F, et al.
Dtsch Z Verdau Stoffwechselkr 30:145-9, 1970 (Ger)
[The suitability of technetium-labelled erythrocytes for studies on splenic function] Franke WG, et al.
Radiol Diagn (Berl) 11:783-9, 1970 (Ger)
[Spleen scintigraphy and function tests with Cr-51 labelled erythrocytes] Szöllösy G, et al.
Orv Hetil 112:1339-43, 6 Jun 71 (Hun)
[Splenic scintigraphy using erythrocytes devitalized by mercury hydroxypropane and labelled with Hg 197 or Cr 51] Paravidino GF, et al.
Arch E Maragliano Patol Clin 25:459-66, Nov-Dec 69 (Ita)
[Scintiphotography with the gamma camera] Marabini A. Fracastoro 62:5-20, Jan-Feb 69 (Ita)
[Spleen photoscintigraphy with BMHP Hg203 using a scintillation camera in the study of the sequestration and clearance of erythrocytes by the spleen] Cajozzo A, et al. Haematologica 55:373-401, 1970 (Ita)
[Importance of hepato-splenic scintiscanning with Tc99m and In113m in pediatric pathology] Mussa GC, et al. Minerva Pediatr 22:919-32, 15 May 70 (Ita)
[Color scanning of the liver and the spleen with colloidal Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 21:895-907, 19 May 69 (Ita)
[Giant cyst of the spleen--on the diagnosis based on ultrasonic tomography] Yokota M, et al.
Naika 27:355-60, Feb 71 (Jap)
[Difficulites in the diagnosis of splenic abscesses of traumatic origin] Nechiporuk VM, et al.
Klin Khir 4:69-70, 1971 (Rus)

ETIOLOGY

Occult helminth infection with appearance of splenic and lung calcifications. Haddow JE, et al.
Am J Dis Child 120:555-6, Dec 70
Induction of functional asplenia: a piece in the splenic puzzle. Strauch GO, et al. J Pediatr Surg 6:45-8, Feb 71
Splenic calcification and sickle cell disease in Nigerians. Lagundoye SB.
Trop Geogr Med 23:135-40, Jun 71
[2 cases of pedicular torsion of ectopic spleens] Courbil LJ, et al.
Bull Soc Med Afr Noire Lang Fr 15:381-3, 1970 (Fre)
[Post-traumatic cystic hematoma of the spleen. The long and painful story of an initally undiagnosed splenic trauma] Fontaine JL.
Presse Med 78:2069-71, 7 Nov 70 (Fre)
[Selective arteriography of the celiac trunk in splenic hydatid cysts] Kamoun A, et al.
Tunis Med 47:425-7, Nov-Dec 69 (Fre)
[Reticulosarcoma with a myelocytic leukemoid reaction and marked tumoral leukocytosis. (Contribution to the pathogenetic interpretation of leukemoid reactions)] Frizzera G.
Arch Ital Anat Istol Patol 42:490-508, 1969 (Ita)
[Post-traumatic false cyst of the spleen] Afdarov AA, et al. Klin Khir 6:68, Jun 70 (Rus)

IMMUNOLOGY

Immunological studies in splenic atrophy. Wardrop CA, et al. Br J Haematol 21:359, Sep 71

METABOLISM

[Intestinal absorption in the hepatosplenic form of schistosomiasis mansoni] Mott CB, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:55-60, Apr 71 (Por)

PATHOLOGY

Renal changes in patients with hepatosplenic schistosomiasis. Andrade ZA, et al.
Am J Trop Med Hyg 20:77-83, Jan 71
Alterations of the intrahepatic vasculature in hepatosplenic schistosomiasis mansoni. Andrade ZA, et al. Am J Trop Med Hyg 20:425-32, May 71
Kidney biopsy in the hepatosplenic form of infection with Schistosoma mansoni in man. Silva LC da, et al.
Bull WHO 42:907-10, 1970
Alterations in splenic hilar lymphatics in patients with congestion of the spleen. Dumont AE, et al.
Proc Soc Exp Biol Med 135:643-7, Dec 70
[Systemic observations on the behavior of the penicilliary arterioles in various types of splenic diseases] Ferreli A, et al.
Pathologica 59:527-37, Nov-Dec 67 (Ita)
[Formation of bony tissue in the spleen] Surguladze GN. Vestn Khir 105:136-7, Oct 70 (Rus)

PHYSIOPATHOLOGY

Splenic function in adult coeliac disease. Marsh GW, et al. Br J Haematol 19:445-57, Oct 70
[The functions of the spleen and its diseases] Hittmair AM. Rev Clin Esp 115:461-6, 31 Dec 69 (Spa)

PREVENTION & CONTROL

[The inhibiting effect of L-cysteine on the process of amyloid fibril formation in vitro and in vivo] Korneeva TS, et al.
Biull Eksp Biol Med 69:114-5, Apr 70 (Rus)

RADIOGRAPHY

Preoperative diagnosis of splenic cysts. Bron KM, et al.
Arch Surg 102:459-61, May 71
Splenic arteriography. Sullivan DT, et al.
J Okla State Med Assoc 64:331-5, Aug 71
The angiographic changes in hydatid cysts of the liver and spleen. Rizk GK, et al. Radiology 99:303-9, May 71
[Diseases of the pancreas, liver and spleen in the light of selective arteriography] Arianoff AA, et al.
Acta Chir Belg 68:657-74, 1969 (Fre)
[Arteriography of splenic tumors] Delorme G, et al.
Ann Radiol (Paris) 14:37-53, Jan-Feb 71 (Fre)
[Localization by selective angiography of multiple hydatid cysts of the liver and of the spleen] Clément JP, et al.
J Radiol Electrol Med Nucl 52:201-3, Mar-Apr 71 (Fre)
[Difficulties of radiological diagnosis of certain portal diversions of the left hypophrenium. (Apropos of 4 observations.)] Spay G, et al.
J Radiol Electrol Med Nucl 51:89-91, Jan-Feb 70 (Fre)
[Post-traumatic hematic pseudo-cysts of the spleen. Contribution of angiography] Trinez G, et al.
J Radiol Electrol Med Nucl 52:99-103, Jan-Feb 71 (Fre)
[A case of subcapsular hematoma of the spleen diagnosed by selective arteriography of the splenic artery] Geriniere P, et al.
Lyon Chir 67:63, Jan-Feb 71 (Fre)
[Angiography of liver, spleen and pancreas] Rosenberger A, et al.
Harefuah 78:556-8, 1 Jun 70 (Heb)
[Value of pneumoperitoneum in the diagnosis of surgical pathology in children] Shavga NG.
Vestn Khir 104:92-5, Jun 70 (Rus)
[Angiographic localization of hydatid cyst of the spleen] Muro J, et al.
Rev Clin Esp 115:433-8, 15 Dec 69 (Spa)
[Hepatography and splenography with ultrafluid lipiodol] Arevalo Jimenez E.
Rev Esp Enferm Apar Dig 33:671-4, 15 Mar 71 (Spa)
[Roentgen diagnosis of splenic cysts] Kaufmann HJ.
Ann Radiol (Paris) 12:217-23, 1969 (Mul)

SURGERY

Large splenic cysts. Davis CE Jr, et al.
Ann Surg 173:686-92, May 71
[Isolated splenic abscess] Góczy I, et al.
Orv Hetil 112:1409-10, 13 Jun 71 (Hun)
[Indications for splenectomy] Pasquazzi M.
Policlinico [Prat] 78:374-8, 1 May 71 (Ita)
[Suppuration of a large true cyst of the spleen] Fesenko VP, et al. Klin Khir 6:66-7, Jun 70 (Rus)
[Splenic echinococcosis] Tkebuchava GI.
Vestn Khir 105:122, Aug 70 (Rus)

VETERINARY

Case report. Splenic torsion in three great danes. Maxie MG, et al. Can Vet J 11:249-55, Dec 70
[Picture report No. 2. Splenitis mycotica (spleen,

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fungi) in a cow]
Dtsch Tieraerztl Wochenschr 78:34, 15 Jan 71 (Ger)

SPLENIC INFARCTION (C9)

COMPLICATIONS

Sixty-eight year old woman with abdominal pain, weakness and fever. SD J Med 24:27-32, Apr 71

DIAGNOSIS

Watch out for polycythemia. Fink WJ.
Surg Clin North Am 50:1045-9, Oct 70

SPLENIC NEOPLASMS (C2)

Metaplastic mesodermal cyst of the spleen. Cave RH, et al. Am Surg 37:97-102, Feb 71
Uterine metaplasia in castrated rats following connection of the left uterine horn to a spleen-ovary tumor. Ber A. J Med (Basel) 2:13-24, 1971
[Tumors of the splenic cavity in children (apropos of 11 cases)] Pellerin D, et al.
Ann Chir 24:1351-61, Dec 70 (Fre)
[Apropos of a case of splenic and pulmonary trophoblastic localization] Merlier M, et al.
Chirurgie 97:314-21, 1971 (Fre)
[Hodgkin's disease with exclusive splenic localization. Description of 2 cases and review of literature (with special reference to the problem of splenectomy)] Bacci G, et al.
Arch Patol Clin Med 45:268-88, Feb 69 (Ita)
[Clinically primary reticulosarcoma of the spleen] Domeniconi R, et al.
Minerva Chir 25:195-208, 15 Feb 70 (Ita)
[On paraneoplastic cerebellar atrophy. Apropos of a case gastrectomized for gastric cancer] Dazzi P, et al.
Riv Sper Freniatr 94:251-72, 30 Apr 70 (Ita)
[Delayed single metastasis of uterine cancer to the spleen] Kopacz A, et al.
Pol Przegl Chir 42:1467-70, Oct 70 (Pol)
[Characteristics of a new transplanted tumor of the rat ovary] Valueva IM.
Biull Eksp Biol Med 69:92-5, Mar 70 (Rus)
[Hemangioma of the spleen] Krasovskif AP, et al.
Klin Khir 2:64-5, Feb 71 (Rus)
[Case of diffuse hemangiosarcomatosis] Chubarova NV, et al.
Probl Gematol Pereliv Krovi 16:55-7, Feb 71 (Rus)
[Lymphogranulomatosis affecting spleen in a 11-year-old child] Sitkovs'kif MB, et al.
Pediatr Akush Ginekol 3:31-2, 1970 (Ukr)

BLOOD

Solitary plasmocytoma of the spleen with marked polyclonal increase of gamma G, normalized after splenectomy. Stavem P, et al.
Acta Med Scand 188:115-8, Jul-Aug 70

CHEMICALLY INDUCED

[The growth and metastasis of tumors induced in the spleen] Sokolova EV.
Biull Eksp Biol Med 65:79-83, Apr 68 (Rus)

COMPLICATIONS

Delayed spontaneous rupture of a splenic hemangioma. Jones WW, et al. J Iowa Med Soc 60:706-8, Oct 70
Generalized lymphangioma in infancy with chylothorax. Morphis LG, et al.
Pediatrics 46:566-75, Oct 70
[Gastrorraghia of splenic origin. Apropos of a case of isolated Hodgkin's disease of the spleen] Ratziu O, et al. Acta Chir Belg 68:147-53, Feb 69 (Fre)
[A case of spontaneous rupture of the spleen caused by an apparently primary splenic chorioepithelioma] Verger J. Chirurgie 97:134-7, 1971 (Fre)
[Splenic hamartoma] Miller G.
Laval Med 40:282, Mar 69 (Fre)
[A case of giganto-follicular lymphoma with only splenic localization causing a syndrome from portal hyperflow] Torre GC.
Pathologica 61:273-7, Sep-Oct 69 (Ita)

DIAGNOSIS

Lymphosarcoma of the spleen. Results of diagnostic splenectomy in 11 patients. Skarin AT, et al.
Arch Intern Med 127:259-65, Feb 71
Hemangiolymphangioma of spleen and bone. Sammis AF Jr, et al. NY State J Med 71:1762-4, 15 Jul 71
Splenic masses detected by scintillation imaging and contrast tomography. Morgan H, et al.
Radiology 97:301-6, Nov 70
[Preoperative diagnosis of splenic cysts using scintigraphy and percutaneous contrast medium injections] Thiemann KJ, et al.
Radiologe 10:406-10, Oct 70 (Ger)
[Morphologic differential diagnosis of hemangioendothelioma and hemangiosarcoma] Danz M, et al. Zentralbl Allg Pathol 113:331-42, 1970 (Ger)
[Spleen scintigraphy and function tests with Cr-51 labelled erythrocytes] Szöllösy G, et al.
Orv Hetil 112:1339-43, 6 Jun 71 (Hun)
[Importance of hepato-splenic scintiscanning with Tc99m and In113m in pediatric pathology] Mussa GC, et al. Minerva Pediatr 22:919-32, 15 May 70 (Ita)

ENZYMOLOGY

An unusual tumour of the spleen associated with a high serum alkaline phosphatase. Pietroni RG.
Guys Hosp Rep 119:379-87, 1970

ETIOLOGY

Follicular lymphoma of the spleen in patients with hepatosplenic Schistosomiasis mansoni. Andrade ZA, et al. Am J Trop Med Hyg 20:237-43, Mar 71
Prolonged survival with retention of bullet in orbit, lung, or spleen. Report of three cases. The identification of bullets. The relationship between trauma and malignancy. Finck PA, et al.
J Forensic Sci 15:565-80, Oct 70

IMMUNOLOGY

Decreasing immune competence and development of reticulum cell sarcomas in lymphatic tissue of aged mice. Hanna MG Jr, et al.
J Natl Cancer Inst 46:309-24, Apr 71

METABOLISM

The reaction of nucleoproteins with guanidine hydrochloride in the organs of normal and Brown-Pearce tumour-bearing rabbits. Zsindely A, et al. Neoplasma 18:105-11, 1971

PATHOLOGY

Spleen involvement at the onset of Hodgkin's disease. Aisenberg AC, et al. Ann Intern Med 74:544-7, Apr 71
Malignant teratoma of the spleen. Daftary M, et al.
Yale J Biol Med 43:283-7, Feb-Apr 71
[Reticulosis in rats] Guérin M, et al.
Bull Cancer (Paris) 56:309-20, Jul-Sep 69 (Fre)
[Hemangiosarcoma of the spleen] Castrup HJ, et al.
Zentralbl Allg Pathol 113:395-400, 1970 (Ger)

PHYSIOPATHOLOGY

[Participation of the kidneys in extrinsic diseases] Sommo G, et al. Pathologica 59:441-5, Nov-Dec 67 (Ita)

RADIOGRAPHY

[Arteriography of splenic tumors] Delorme G, et al.
Ann Radiol (Paris) 14:37-53, Jan-Feb 71 (Fre)
[Indications of hepatic and splenic vascular explorations in children] Chaumont P, et al.
J Radiol Electrol Med Nucl 51:696-9, Nov 70 (Fre)

SURGERY

[Combined surgery for cancer of the stomach] Sagaidak VN. Khirurgiia (Mosk) 45:66-71, Sep 69 (Rus)

VETERINARY

[Morphological studies in cattle with pathologic-anatomically predominant spleen leukosis] Beyer J.
Arch Exp Veterinaermed 23:739-64, 1969 (Ger)
[Atrioventricular heart block in a horse with lymphosarcoma of the spleen] Volckart W, et al.
Dtsch Tieraerztl Wochenschr 78:446-9, 15 Aug 71 (Ger)

SPLENIC RUPTURE (C9, C14)

Rupture of the normal spleen occurring as a birth injury. Halvorsen JF.
Acta Obstet Gynecol Scand 50:95-7, 1971
Spontaneous rupture of spleen. Grech A.
Br Med J 1:111, 9 Jan 71
Rupture of the spleen during pregnancy. McCammon RE. J Fla Med Assoc 58:21-3, Mar 71
Spontaneous occult rupture of a normal spleen. Orr KB, et al. Med J Aust 1:713-4, 27 Mar 71
Spontaneous occult rupture of a normal spleen. Stewart GR, et al. Med J Aust 1:203-5, 23 Jan 71
Spontaneous occult rupture of a normal spleen. Susman MP. Med J Aust 1:874, 17 Apr 71

COMPLICATIONS

Intrathoracic splenosis. Case report and review of the literature. Dalton ML Jr, et al.
Am Rev Resp Dis 103:827-30, Jun 71
Splenosis: report of a case. Widmann WD, et al.
Milit Med 135:293-5, Apr 70
Spontaneous splenic rupture in lymphoma: report of 3 cases. Papp JP, et al. South Med J 64:831-2, May 71
[Occlusive hemoperitoneum due to spontaneous splenic rupture at the end of pregnancy] Robey M, et al. Gynecol Obstet (Paris) 68:35-40, Jan-Mar 69 (Fre)
[Severe complications in varicellae] Pape JF, et al.
Tidsskr Nor Laegeforen 91:25-6, 10 Jan 71 (Nor)

DIAGNOSIS

Splenic rupture masquerading as acute appendicitis. Lazaro EJ, et al. Am Surg 36:705-7, Nov 70
Trauma rounds, Montreal General Hospital. (Case P62). Ruptured spleen. Can Med Assoc J 104:57-8, 9 Jan 71
Spontaneous occult rupture of a normal spleen. Susman MP. Med J Aust 1:451-2, 20 Feb 71
Occult rupture of the spleen.
Med J Aust 2:300, 15 Aug 70
Scintiscanning in the diagnosis of rupture of the spleen. O'Mara RE, et al.
Surg Gynecol Obstet 131:1077-83, Dec 70
[Diagnostic problem in ruptures of the spleen and liver in patients with multiple injuries] Bourrel P.
Med Trop (Mars) 29:584-8, Sep-Oct 69 (Fre)
[Diagnosis of traumatic splenic rupture in multiple injuries] Wenzel R, et al.
Dtsch Med Wochenschr 96:1282-3, 30 Jul 71 (Ger)
[The symptomatic spleen rupture] Kempter M, et al.
Monatsschr Unfallheilkd 72:158-61, Apr 69 (Ger)
[A case of a splenic rupture without clinical symptoms] Fiedler R. Zentralbl Chir 95:758-60, 20 Jun 70 (Ger)
[Splenic rupture simulating glomerulonephritis] Tumangelov S, et al. Vestn Khir 102:97, May 69 (Rus)

ETIOLOGY

Gastric volvulus causing rupture of the spleen. Hudspeth AS, et al. Arch Surg 102:232-3, Mar 71
Trauma rounds. Montreal General Hospital. Ruptured spleen (case P48). Can Med Assoc J 103:761-3, 10 Oct 70
Spontaneous splenic rupture in myeloid metaplasia. Amir J, et al. Isr J Med Sci 6:658-9, Sep-Oct 70
Delayed spontaneous rupture of a splenic hemangioma. Jones WW, et al. J Iowa Med Soc 60:706-8, Oct 70
Spontaneous rupture of the spleen in acute myeloid leukaemia. Ravich RB, et al. Med J Aust 1:90-2, 9 Jan 71
[A case of spontaneous rupture of the spleen caused by an apparently primary splenic chorioepithelioma] Verger J. Chirurgie 97:134-7, 1971 (Fre)
[Spontaneous rupture of the spleen revealing a chronic myeloid leukemia] Leuridan B, et al.
J Sci Med Lille 88:537-41, Oct 70 (Fre)
[2 cases of spontaneous rupture of the spleen during infectious mononucleosis] Gaillard P, et al.
Lyon Chir 65:430-2, May-Jun 69 (Fre)
[Spontaneous rupture of the spleen revealing infectious mononucleosis. 1 case] Lévêque JN, et al.
Lyon Chir 65:410-1, May-Jun 69 (Fre)
[Spontaneous rupture of suppurative echinococcic splenic cyst into the abdominal cavity] Muradian KM.
Klin Khir 6:70, Jun 70 (Rus)
[2-stage traumatic rupture of the spleen] Strel'nikov BE. Klin Khir 6:68-70, Jun 70 (Rus)
[Combination of ectopic pregnancy with subcutaneous rupture of the spleen] Ibadov Iu, et al.
Vopr Okhr Materin Det 16:85-6, Jan 71 (Rus)
[Traumatic splenic ruptures. Study of 10 cases] Soleto Saez E, et al. Int Surg 54:35-44, Jul 70 (Spa)
[Obstetrical rupture of the spleen in the newborn] Volosky E, et al.
Rev Chil Pediatr 41:993-5, Oct 70 (Spa)

OCCURRENCE

Splenic rupture. A review of 114 cases. Pratt DB, et al.
Minn Med 54:177-84, Mar 71

RADIOGRAPHY

Angiographic diagnosis of splenic lesions following blunt abdominal trauma. Lepasoon J, et al.
Acta Radiol [Diagn] (Stockh) 11:257-73, May 71
The angiographic diagnosis of splenic and hepatic trauma. Berk RN, et al.
J Can Assoc Radiol 21:230-4, Dec 70
Radiologic evaluation of splenic injury after blunt trauma. Brindle MJ. J Can Assoc Radiol 22:3-9, Mar 71
[Angiographic diagnosis of splenic rupture] Kaick G van, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:633-40, May 70 (Ger)
[Angiography of splenic injury--report of 3 cases] Nagai J, et al. Rinsho Hoshasen 16:547-51, Jul 71 (Jap)

SURGERY

Blunt trauma and the normal spleen: peacetime experience at a military hospital in Europe. Widmann WD. Milit Med 134:25-35, Jan 69
Neonatal rupture of the spleen. Report of a case successfully treated after spontaneous cessation of hemorrhage. Leape LL, et al.
Pediatrics 47:101-4, Jan 71
[Late results of splenectomy for traumatic rupture of the spleen in children] Mostagina EN, et al.
Vopr Okhr Materin Det 16:84, Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Obstetric splenic rupture in the newborn] Volosky E, et al. Rev Chil Pediatr 41:443-5, Jun 70 (Spa)

VETERINARY

Splenic rupture in a horse. Finocchio EJ. Vet Med Small Anim Clin 66:223, Mar 71

SPLENIC VEIN (A7)

Bleeding esophageal varices due to splenic arteriovenous fistula. Nissan S, et al. Am J Gastroenterol 55:379-82, Apr 71
Respiratory alterations in the intensity of the continuous murmur of splenic arteriovenous fistula. Hyman AL, et al. Ann Intern Med 74:947-9, Jun 71
Splenic arteriovenous fistula with bacterial endarteritis and endocarditis. Quintiliani R, et al. JAMA 214:727-30, 26 Oct 70
Splenic vein thrombosis and bleeding esophageal varices. Yale CE, et al. JAMA 217:317-20, 19 Jul 71
[Arteriovenous fistula of the splenic vessels and portal hypertension] Zejda V. Rozhl Chir 50:310-4, 1971 (Cse)
[Familial spontaneous spleno-renal anastomosis] Escat J, et al. Arch Fr Mal App Dig 59:597-600, Sep 70 (Fre)
[Arteriovenous aneurysm of the splenic pedicle with portal hypertension] Stoppa R, et al. Chirurgie 96:423-30, 1970 (Fre)
[Pulmonary opacity in a tuberculous patient, tumor of the left hypochondrium and splenic vein thrombosis] Mesmacque R, et al. Lille Med 15:1286-9, Nov 70 (Fre)
[Cataclysmic digestive hemorrhage following an arterio-venous fistula of the splenic vessels. Surgerical treatment. Cure] Murat J, et al. Lyon Chir 65:586-8, Jul-Aug 69 (Fre)
[Arterial and arteriovenous aneurysms of the splenic stalk: 3 cases] Nosny P, et al. Med Trop (Mars) 29:347-55, May-Jun 69 (Fre)
[Arteriovenous aneurysm of the splenic pedicle] Kamoun A, et al. Tunis Med 48:121-7, Mar-Apr 70 (Fre)
[Clinical manifestations of spontaneous hemorrhages into the abdominal cavity with special reference to hemorrhages from the splenic artery and vein] Kövér G, et al. Orv Hetil 112:1163-5, 16 May 71 (Hun)
[Effect of adrenaline on the splanchnic venous blood flow in splenectomized dogs and splenomegalic dogs] Pastorini C, et al. Minerva Gastroenterol 16:154-8, Oct-Dec 70 (Ita)
[Studies of the behavior of collagen as an index of the regenerative activity of the liver in various experimental conditions. I. Hepatic regeneration after partial hepatectomy associated with splenectomy, ligation of the splenic superior mesenteric and gastroduodenal veins in the rat] Pirozzi V, et al. Osp Ital Chir 22:229-35, May-Jun 70 (Ita)
[On an unusual case of splenic thrombophlebitis in the puerperium] Valente P. Rass Int Clin Ter 51:299-304, 15 Mar 71 (Ita)

ABNORMALITIES

[Spontaneous true spleno-renal anastomosis in early cirrhosis with portal hypertension] Gadrat J, et al. Arch Fr Mal App Dig 58:257-62, Apr-May 69 (Fre)

PHYSIOLOGY

Influence of peristaltic contraction of the stomach on blood flow through the gastrosplenic vein. Semba T, et al. Hiroshima J Med Sci 19:87-97, Sep 70

SURGERY

The distal splenorenal shunt. Zeppa R, et al. Am J Surg 122:300-3, Sep 71
Splenorenal shunt during pregnancy. Brown HJ. Am Surg 37:441-3, Jul 71
Use of the left renal vein for portal decompression. Baird RJ, et al. Ann Surg 173:551-3, Apr 71
Hemodynamic contrasts between selective and total portal-systemic decompression. Salam AA, et al. Ann Surg 173:827-44, May 71
Surgical management of portal hypertension. A ten-year experience. Dagher FJ, et al. Arch Surg 103:363-70, Sep 71
Portal decompression by side-to-side splenorenal venous anastomosis. Results in 14 patients. Haller JD, et al. Arch Surg 102:316-21, Apr 71
Spleno-renal shunt constructed below the body of the pancreas. Mieny CJ. S Afr J Surg 8:25-7, 1970
[Value of umbilicoportography and renal phlebography in preparation for a splenorenal shunt for portal hypertension] Guffens JM, et al. J Belge Radiol 54:415-7, May-Jun 71 (Fre)
[Porto-spleno-mesenteric obstructions] Belli L, et al. Mem Acad Chir (Paris) 95:719-21, 1969 (Fre)
[Superior mesenteric arteriography in angiographic survey of surgical spleno-renal anastomosis] Kamoun A, et al. Tunis Med 48:229-33, Jul-Aug 70 (Fre)
[Selective renal angiography through an implanted splenic artery] Beduhn D, et al. Fortschr Geb Roentgenstr Nuklearmed 113:133-7, Aug 70 (Ger)
[Esophagoplasty of the anterior thorax using the stomach tube with reconstructed blood vessels] Nakamura T, et al. Shujutsu 25:21-6, Jan 71 (Jap)
[Prophylactic central reno-splenic anastomosis in the treatment of esophageal varices and hypersplenic thrombocytopenia] Jankau O, et al. Pol Tyg Lek 26:802-3, 24 May 71 (Pol)
[New trends in the surgical treatment of portal hypertension] Raia S, et al. Rev Hosp Clin Fac Med Sao Paulo 26:35-8, Jan-Feb 71 (Por)
[Preventive splenorenal venous anastomosis in liver cirrhosis with portal hypertension] Lytkin MI, et al. Vestn Khir 106:30-4, Jan 71 (Rus)
[Terminal spleno-renal shunt with preservation of the left kidney in the treatment of portal hypertension] Moreno C, et al. Rev Esp Enferm Apar Dig 33:293-302, 1 Feb 71 (Spa)

TRANSPLANTATION

Direct vascular implantation of liver for hepatic regeneration after interruption of the portal vein and hepatic artery. Goldsmith HS, et al. Am J Surg 121:100-4, Jan 71

SPLENOMEGALY (C9)

BLOOD

Studies on the haemodilution anaemia of splenomegaly. Blendis LM, et al. Eur J Clin Invest 1:54-64, Mar 70
[Study of the serum of Africans presenting various forms of reactional macroglobulinemia] Sandor G, et al. Bull Soc Pathol Exot 62:780-9, 1969 (Fre)

CHEMICALLY INDUCED

Analgesics, hemolysis, and splenomegaly. Pisciotta AV. Ann Intern Med 74:634-5, Apr 71
Analgesics, hemolysis, and splenomegaly. Schnitzer B. Ann Intern Med 75:320-1, Aug 71
Splenomegaly in analgesic takers. Duggan JM. Med J Aust 2:580-3, 26 Sep 70

COMPLICATIONS

Splenomegaly in rheumatoid arthritis. Isomäki H, et al. Acta Rheumatol Scand 17:23-6, 1971
A comparative study of hypersplenism in reactive and congestive splenomegaly. Bagshawe A. Br J Haematol 19:729-37, Dec 70
Irreversibly sickled cells and splenomegaly in sickle-cell anaemia. Serjeant GR. Br J Haematol 19:635-41, Nov 70
Eosinophilia, splenomegaly and cardiac disease. Sheperd AJ, et al. Br J Haematol 20:233-9, Feb 71
Gross splenomegaly and pancytopenia. Grave GF. Cent Afr J Med 16:261-3, Nov 70
Malaria and the tropical splenomegaly syndrome in New Guinea. Crane GG, et al. Trans R Soc Trop Med Hyg 65:315-24, 1971
[Investigations of anemia pathogenesis in patients with chronic lymphocytic leukemia and splenomegaly. Mechanisms behind "hypersplenism syndrome"--the value of splenectomy] Egelund Christensen B. Nord Med 84:1571-2, 3 Dec 70 (Dan)
[Myeloma and myeloid splenomegaly (a case with major myelemia)] Plauchu M, et al. Lyon Med 224:937-8, 27 Dec 70 (Fre)
[Rare combination of stomach angiosarcoma with splenomegaly] Senchilo EA, et al. Vestn Khir 105:118-9, Aug 70 (Rus)

DIAGNOSIS

Tropical splenomegaly syndrome. Rieckmann KH. Br Med J 4:175, 17 Oct 70
Giant splenomegaly in sarcoidosis demonstrated by radionuclide scintiphotography. Response to corticosteroid therapy. Burt RW, et al. JAMA 215:2110-1, 29 Mar 71
Asymptomatic splenomegaly. Silverstein MN, et al. Postgrad Med 48:80-5, Aug 70
[Scintigraphic evaluation of adrenalinic splenocontraction in the study of splenomegaly] Manduca A, et al. Rass Int Clin Ter 50:1325-37, 15 Nov 70 (Ita)
[Splenomegalic cirrhosis without Banti's syndrome] De Santis E. Riv Anat Patol Oncol 33:159-86, 1968 (Ita)

DRUG THERAPY

Tropical splenomegaly syndrome in Zambia: further observations and effects of cycloguanil and proguanil. Lowenthal MN, et al. Br Med J 1:429-32, 20 Feb 71
Clinical trial of malaria prophylaxis in tropical splenomegaly syndrome. Stuiver PC, et al. Br Med J 1:428-9, 20 Feb 71
Tropical splenomegaly syndrome. Br Med J 1:420, 20 Feb 71
Long-term proguanil therapy in idiopathic tropical splenomegaly. Bagshawe AF. East Afr Med J 47:622-6, Dec 70
Effects of Friend disease of double-stranded RNA of fungal origin. Pilch DJ, et al. J Gen Virol 10:155-62, Feb 71

ETIOLOGY

Renal-cell carcinoma with extrarenal manifestations in a 10-month-old child. Pochedly C, et al. Am J Dis Child 121:528-30, Jun 71
Splenectomy in Hodgkin's Disease for splenomegaly, cytopenias and intolerance to myelosuppressive chemotherapy. Lowenbraun S, et al. Am J Med 50:49-55, Jan 71
Splenectomy for massive splenomegaly due to myeloid metaplasia. Morgenstern L. Am J Surg 122:288-93, Aug 71
Spleen reaction following tumor growth. A study with a homotransplantable rat tumor. Ballini Kerr I. Arch Geschwulstforsch 35:13-20, 1970
Jaundice and splenomegaly. Eminiams J. Clin Pediatr (Phila) 9:688, Nov 70
Synergism of thymus and bone marrow in the production of gra a5hilgard HR: Synergism of thymus and bone marrow in the production of graft-versus-host splenomegaly in x-irradiated hosts. Hilgard HR. J Exp Med 132:317-28, 1 Aug 70
Burkitt's lymphoma and tropical splenomegaly syndrome. Ziegler JL, et al. Lancet 2:317, 7 Aug 71
[Congestive splenomegaly of the Mediterranean type and consumption coagulopathy. II. Demonstration of chronic intravascular coagulation in Mediterranean-type congestive splenomegaly] Demange J, et al. Ann Med Interne (Paris) 121:41-7, Jan 70 (Fre)
[Protein malnutrition of Biafran children. Clinical study] Sagnet H, et al. Bull Soc Pathol Exot 62:937-41, Sep-Oct 69 (Fre)
[Hypersplenomegalic hepatic cirrhoses with diffuse hemorrhage. Discussion of the role of hypersplenism] Lorriaux A, et al. Lille Med 14:1046-9, Nov 69 (Fre)
[Myeloid splenomegaly] Smadja A, et al. Maroc Med 49:893-9, Dec 69 (Fre)
[Familial lympho-histiocytosis: apropos of a 3rd case in the same family] Sirol J, et al. Mars Med 106:1045-53, 1969 (Fre)
[Virus-induced chromosome aberrations in ascitic Ehrlich carcinoma cells (AECC) and simultaneous spleen reaction in inoculated mice] Wiener F, et al. Arch Geschwulstforsch 35:21-35, 1970 (Ger)
[Morphological and histochemical observations on a case of splenomegaly during drepanocytic anemia] Barbolini G, et al. Arch De Vecchi Anat Patol 55:185-215, Jun 69 (Ita)
[On an unusual case of splenic thrombophlebitis in the puerperium] Valente P. Rass Int Clin Ter 51:299-304, 15 Mar 71 (Ita)
[Angiographic localization of hydatid cyst of the spleen] Muro J, et al. Rev Clin Esp 115:433-8, 15 Dec 69 (Spa)

FAMILIAL & GENETIC

Splenomegaly and haematologic disorders of the Gunn rat. Lozzio BB, et al. Br J Haematol 19:543-54, Oct 70

IMMUNOLOGY

Immunological studies in tropical splenomegaly syndrome. Wells JV. Trans R Soc Trop Med Hyg 64:531-46, 1970
Dissociation of splenomegaly from graft-versus-host disease by host x-irradiation. Hilgard HR. Transplantation 10:396-402, Nov 70

METABOLISM

Accumulation of acidic phospholipids in a case of hyperlipidemia with hepatosplenomegaly. Yamamoto A, et al. Lipids 5:566-71, Jun 70

OCCURRENCE

Splenomegaly and blood pressure in an Orang Asli community in West Malaysia. Burns-Cox CJ. Am Heart J 80:718-9, Nov 70
Splenomegalia in Brazilian Indians from the "Alto Xingu" (Central Brazil). I. Occurrence and results of serological tests for some parasitic diseases. Baruzzi RG, et al. Ann Soc Belg Med Trop 51:205-13, 1971
Hepatosplenomegaly in Machakos district. Oomen L. East Afr Med J 47:616-21, Dec 70

PATHOLOGY

Hepatosplenomegaly with opisthotonus in an infant. Bolande RP, et al. J Pediatr 79:142-50, Jul 71
Ultrasonic determination of liver and spleem volumes. Kardel T, et al. Scand J Clin Lab Invest 27:123-8, Apr 71
[Comparison of splenomegaly in Moroccans with the splenomegaly occurring in alcoholic cirrhosis] Najman A, et al. Rev Med Chir Mal Foie 43:23-36, Feb 68 (Fre)
[Considerations on glycogenosis, type 3] Stoppoloni G, et al. Pediatria (Napoli) 77:684-708, 1969 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOPATHOLOGY

[Hypersplenism. What it is and what not] Fischer J. Internist (Berlin) 12:176-86, Apr 71 (Ger)
[Effect of adrenaline on the splanchnic venous blood flow in splenectomized dogs and splenomegalic dogs] Pastorini C, et al. Minerva Gastroenterol 16:154-8, Oct-Dec 70 (Ita)
[Direct evaluation of splenic removal of erythrocytes on surgically resected tissues] Pannacciulli I, et al. Minerva Med 61:5647-51, 8 Dec 70 (Ita)
[Measuring of the splenic blood flow with devitalized blood cells] Tizianello A, et al. Minerva Med 61:5641-6, 8 Dec 70 (Ita)

RADIOGRAPHY

[Indications of hepatic and splenic vascular explorations in children] Chaumont P, et al. J Radiol Electrol Med Nucl 51:696-9, Nov 70 (Fre)
[Transcutaneous splenoportography: anatomo-clinical considerations and technics] Lusvarghi E, et al. J Radiol Electrol Med Nucl 50:519-25, Jul-Aug 69 (Fre)

SURGERY

The selection of patients for splenectomy. Weatherall DJ. Ann R Coll Surg Engl 48:29, Jan 71
Dilutional anemia of splenomegaly: an indication for splenectomy. Hess CE, et al. Ann Surg 173:693-9, May 71
Massive splenomegaly in Gaucher's disease. Appel MF, et al. JAMA 217:343-4, 19 Jul 71
Surgical considerations in Gaucher's disease. Marks C, et al. Surg Gynecol Obstet 132:609-13, Apr 71
[Indications for splenectomy in splenomegaly] Migdalska-Kornacka Z, et al. Pol Tyg Lek 26:213-5, 8 Jul 71 (Pol)
[Surgical management of Korovnikov's disease] Zimovskif VL, et al. Klin Khir 6:65-6, Jun 70 (Rus)

THERAPY

[Nosographic and therapeutic findings on Banti's disease and Banti's syndrome] Spada S. Clin Ter 48:563-74, 31 Mar 69 (Ita)

SPLENOPORTOGRAPHY (E1)

Portohepatography with an oily contrast medium. Granone FG, et al. Am J Roentgenol Radium Ther Nucl Med 111:547-53, Mar 71
Extrahepatic portal obstruction in childhood and its angiographic diagnosis. Rösch J, et al. Am J Roentgenol Radium Ther Nucl Med 112:143-9, May 71
Spleno-portography in the rat. McLachlan MS, et al. Br J Radiol 44:631-5, Aug 71
Splenoportographic evaluation of portal hypertension in children. Melhem RE, et al. J Pediatr Surg 5:522-6, Oct 70
Isotopic splenoportography making use of intrasplenic injection of 133Xe. Kuba J, et al. Rev Int Hepatol 19:173-82, 1969
[Study of the splenic area in splenoportography: the iodinated injection puddle, the intra- and perisplenic opacified veins. Normal and pathological aspects] Pietri H, et al. Acta Gastroenterol Belg 33:605-27, Sep 69 (Fre)
[False spleno-portal thromboses] Nahum H, et al. Ann Radiol (Paris) 13:671-9, 1970 (Fre)
[Place of radiology in the etiologic diagnosis of upper digestive hemorrhages] Morin M, et al. Bord Med 3:2397-8, Oct 70 (Fre)
[Value of umbilicoportography and renal phlebography in preparation for a splenorenal shunt for portal hypertension] Guffens JM, et al. J Belge Radiol 54:415-7, May-Jun 71 (Fre)
[Supra-hepatoportography. Report of our experience] Leger L, et al. J Chir (Paris) 101:151-62, Feb 71 (Fre)
[Indications of hepatic and splenic vascular explorations in children] Chaumont P, et al. J Radiol Electrol Med Nucl 51:696-9, Nov 70 (Fre)
[Transcutaneous splenoportography: anatomo-clinical considerations and technics] Lusvarghi E, et al. J Radiol Electrol Med Nucl 50:519-25, Jul-Aug 69 (Fre)
[Difficulties of radiological diagnosis of certain portal diversions of the left hypophrenium. (Apropos of 4 observations.)] Spay G, et al. J Radiol Electrol Med Nucl 51:89-91, Jan-Feb 70 (Fre)
[Differential diagnosis of prehepatic blockade with the splenoportogram] Stephan G. Fortschr Geb Roentgenstr Nuklearmed 113:349-58, Sep 70 (Ger)
[Studies of the splenoportal blood circulation with radioactive colloidal Au198] Frenkel VC. Radiobiol Radiother (Berl) 11:695-9, 1970 (Ger)
[Splenoportography in the study of changes in the splenomeseraicoportal trunk] Trenti A. Minerva Chir 26:766-70, 31 Jul 71 (Ita)
[Gastroesophageal varices: esophageal radiography and splenoportography compared in a re-examination of the traditional radiological methods] Piazza G, et al. Quad Radiol 35:351-71, 26 Oct 69 (Ita)
[Morphologic analysis of the splenoportogram] Karpova PV, et al. Arkh Anat Gistol Embriol 59:75-82, Sep 70 (Rus)
[Straight portography and portomanometry in the diagnosis of portal hypertension in children] Kushch NL, et al. Khirurgiia (Mosk) 46:13-8, Jul 70 (Rus)
[Splenoportography in the diagnosis of hepatic alveococcosis] Tret'iakov AA. Khirurgiia (Mosk) 46:69-74, Nov 70 (Rus)
[Diagnostic value of splenoportography in surgery of liver echinococcosis] Refsh BE, et al. Klin Khir 10:81-3, Oct 69 (Rus)
[X-ray contrasting of the portal system veins in the diagnosis of diseases of the upper abdominal organs] Akmalov MK. Vestn Khir 106:18-22, Mar 71 (Rus)
[Method of splenoportography] Berzin SA. Vestn Khir 105:144-5, Nov 70 (Rus)
[Clinico-roentgenological parallels in portal hypertension] Ender LA, et al. Vestn Rentgenol Radiol 45:86-8, May-Jun 70 (Rus)
[Transarterial (reverse) splenoportography] Vinogradov VV, et al. Vestn Rentgenol Radiol 45:37-43, Sep-Oct 70 (Rus)
[Interpretation errors in splenoportography caused by faulty punctures] Salvidea JC, et al. Prensa Med Argent 57:440-2, May 70 (Spa)
[Modifications of the splenoportographic image in the prone position] Salvidea JC, et al. Prensa Med Argent 57:1146-8, 7 Aug 70 (Spa)
[Direct portographies] Marions O, et al. Nord Med 84:1317, 8 Oct 70 (Swe)
[Indications and technic of splenoportography for children] Niemann H, et al. Ann Radiol (Paris) 12:211-6, 1969 (Mul)

ADVERSE EFFECTS

Thorotrast-induced endothelial cell sarcoma of liver. Howard RJ, et al. Minn Med 54:685-8, Sep 71

SPLINTS (E2, E4)

Switch control concepts in a myoelectric control system. Kelly SF, et al. Am J Occup Ther 25:164-9, Apr 71
Results of a survey on the use of a wrist-driven splint for prehension. Knox CC, et al. Am J Occup Ther 25:109-11, Mar 71
A functional ulnar deviation cuff for the rheumatoid deformity. Quest IM, et al. Am J Occup Ther 25:32-7 passim, Jan 71
Application of fingernail hooks in splinting of burned hands. Von Prince KM, et al. Am J Occup Ther 24:556-9, Nov-Dec 70
A simple splinting method for protecting extremity grafts in infants. Filston HC, et al. Am J Surg 122:432, Sep 71
Modifications of the wrist-driven flexor hinge splint. McCluer S, et al. Arch Phys Med Rehabil 52:233-5, May 71
Clinical application of plastic foam. Redford JB, et al. Arch Phys Med Rehabil 52:86-7, Feb 71
A quick-release connecting rod for cranio-mandibular fixation. Maisels DO, et al. Br J Plast Surg 23:398-9, Oct 70
Experimental shoulder splint. Duckworth B. Can J Occup Ther 37:113-4, Autumn 70
Adhesive plaster of paris splinting for children. Nangle EJ. Cent Afr J Med 17:49-50, Mar 71
An aid to the cementation of cap splints. Leopard P. Dent Pract Dent Rec 21:274-5, Apr 71
Intercondylar T-shaped fractures of the humerus. Results in ten cases treated by early mobilisation. Brown RF, et al. J Bone Joint Surg [Br] 53:425-8, Aug 71
Rat limb splinting by means of cold-curing resin. Anaise J, et al. J Dent Res 50:170, Jan-Feb 71
Partial plaster splint for the sprained ankle. Hilsinger EA. JAMA 214:1326, 16 Nov 70
The use of air splints as immediate prostheses after below-knee amputation for vascular insufficiency. Little JM. Med J Aust 2:870-2, 7 Nov 70
An adjustable plastazote splint for the hand or arm. Betts GA. Nurs Times 66:1556-7, 3 Dec 70
Temporary splinting using an adhesive system. Heiman GR, et al. Oral Surg 37:819-22, Jun 71
Plastic bivalved walking splint for immobilization of an arthritic ankle. Schober WR, et al. Phys Ther 51:785, Jul 71
A thermoplastic splint for the nose. Freeman BS. Plast Reconstr Surg 46:513, Nov 70
Simple splint for finger injuries. Laskin RS. Postgrad Med 48:174-5, Oct 70
A method of tubal splinting. Lewis BV. Proc R Soc Med 63:1047-8, Oct 70
Repair of defects in mandible. Brånemark PI, et al. Scand J Plast Reconstr Surg 4:100-8, 1970
[Fixation with an orthodontic band-acrylic splint. A new fixation method for luxated permanent teeth] Andreasen JO. Tandlaegebladet 75:404-7, May 71 (Dan)
[Intraradicular splinting of fractured roots] Lamers AC. Ned Tijdschr Tandheelkd 78:313-4, Aug-Sep 71 (Dut)
[The diadem: a new universal facial splint with skull anchoring] Tessier P, et al. Ann Chir Plast 16:12-20, 1971 (Fre)
[Rehabilitation apparatus for hand injuries] Lambilliote P. Bull Mem Soc Chir Paris 60:238-9, 1970 (Fre)
[What is the justification for curvature-correcting bandage in the treatment of early scoliosis?] Krieghoff R, et al. Beitr Orthop Traumatol 16:650-6, Nov 69 (Ger)
[Treatment of humeral fractures using the U splint] Koch G. Chirurg 42:327-9, Jul 71 (Ger)
[Results using the orthopedic diaper treatment in hip luxation with special reference to prevention] Sakreida M. Kinderaerztl Prax 39:82-8, Feb 71 (Ger)
[Tension strap osteosynthesis in unstable fractures of the metacarpal head] Adler H. Monatsschr Unfallheilkd 72:297-9, Jul 69 (Ger)
[Splinting and wire traction as aids in plastic surgery] Breckwoldt E, et al. Monatsschr Unfallheilkd 73:579-85, 1970 (Ger)
[Simple changeable foot lift splint] Eichler J, et al. Z Orthop 108:320-1, Sep 70 (Ger)
[A simple, dynamic splint for the after care following surgical interventions on the metacarpo-phiangeal joints in PcP] Reflor HJ. Z Orthop 108:160-2, Jul 70 (Ger)
[Experience in the use of protective plates in resection of the maxilla] Iroshnikova ES. Biull Eksp Biol Med 71:96, Mar-Apr 71 (Rus)
[Abduction splint for the treatment of humeral fractures] Kuznetsova NA, et al. Ortop Travmatol Protez 32:86-7, Feb 71 (Rus)
[Use of Volkov's splint in the functional treatment of congenital dislocation of the hip in children] Morozova AA, et al. Ortop Travmatol Protez 31:79-82, Jul 70 (Rus)
[The application of a 2-part posterior splint] Kallend GD. Stomatologiia (Mosk) 50:85, Jan-Feb 71 (Rus)
[Plastic splint in the treatment of clavicle fractures in children] Konovalov AM, et al. Vestn Khir 103:129, Aug 69 (Rus)

INSTRUMENTATION

Modification of the Thomas splint with Pearson attachment for balanced suspension. Ricker HA, et al. J Bone Joint Surg [Am] 53:787-90, Jun 71

SPLINTS, PERIODONTAL see under

PERIODONTAL PROSTHESIS (E6)

SPONDYLARTHRITIS ANKYLOPOIETICA see

SPONDYLITIS, ANKYLOSING (C3)

SPONDYLITIS (C3)

Juvenile spondylarthritis. Br Med J 4:385, 14 Nov 70
[Non-tuberculous vertebral osteo-arthritis in adults] Somerhausen M. Acta Chir Belg 68:77-106, Feb 69 (Fre)
[Salmonella spondylodiscitis (apropos of a personal case)] Kempf F, et al. J Radiol Electrol Med Nucl 52:271-4, May 71 (Fre)
[Current data on arthritic deterioration of the intervertebral disk] Sèze S de, et al. Rev Rhum Mal Osteoartic 36:339-49, Jun 69 (63 ref.) (Fre)
[Case of cervical pyogenic spondylitis] Machida T, et al. Orthop Surg (Tokyo) 22:143-6, Feb 71 (Jap)
[Non-specific spondylitis of childhood] Brass A, et al. Ann Radiol (Paris) 12:343-54, 1969 (Mul)

COMPLICATIONS

Septic abortion and sacroiliitis. Watt I. Proc R Soc Med 64:55-6, Jan 71
[Staphylococcal spondylitis and its neurologic complications] Serratrice G. Rhumatologie 22:303-4, Oct 70 (Fre)
[Are there typical skin manifestations in psoriatic arthritis and psoriatic spondylarthritis?] Theiss B. Hautarzt 22:63-8, Feb 71 (Ger)
[Functional relationships between diseases of the cervico-thoracic spinal column, heart arrhythmias, angina pectoris and epicastric diseases and possibilities for their therapeutic modifications] Atzenhofer K, et al. Wien Med Wochenschr 121:286-90, 10 Apr 71 (Ger)
[Antero-lateral arthrodesis of painful and insufficient gibbous spondylitis (surgical technic)] Sanguinetti C. Arch Putti Chir Organi Mov 24:114-24, 1969 (Ita)
[Our observations on purulent spondylitis] Ramotowski W, et al. Chir Narzadow Ruchu Ortop Pol 36:181-5, 1971 (Pol)

DIAGNOSIS

Destruction of the odontoid process due to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

atlanto-axial pyogenic spondylitis. Ahlbäck S, et al. Acta Radiol [Diagn] (Stockh) 10:394-400, Sep 70
A clinical and roentgenological follow-up study of patients with uro-arthritis or pelvospondylitis. Rosenthal L, et al. Acta Rheumatol Scand 17:3-14, 1971
[Diagnostic problems with infectious diskospondylitis] David-Chausse J.
Rhumatologie 22:299-302, Oct 70 (Fre)
[Notes on the differential diagnosis of spondylopathia psoriatica] Mach J.
Beitr Orthop Traumatol 17:640, Oct 70 (Ger)
[Unspecific spondylitis] Mäder A, et al.
Schweiz Med Wochenschr 101:282-3, 27 Feb 71 (Ger)

ETIOLOGY

Vertebra plana: two cases due to disseminated coccidioidomycosis. Nykamp PW.
Ariz Med 28:165-7, Mar 71
[Atloido-axoid dislocation and cervical spondylodiskitis associated with rheumatoid polyarthritis] Cabanel G, et al.
Rev Lyon Med 19:173-9, 15 Mar 70 (Fre)
[Pelvospondylitis in Flessinger-Leroy-Reiter syndrome] Delbarre F, et al.
Verh Dtsch Ges Rheumatol 1:195-200, 1969 (Ger)
[Spondylitis in tropical diseases] Mohr W.
Verh Dtsch Ges Rheumatol 1:70-80, 1969 (Ger)
[Aspecific infectious spondylites. Case of lumbar osteomyelitis caused by E. Coli secondary to pyelonephritis] Boffano M, et al.
Minerva Radiol 14:69-98, Jan-Feb 69 (Ita)
[Vertebra plana (de Clave's disease) in multifocal eosinophilic granuloma] Kowalski R, et al.
Pediatr Pol 46:507-14, Apr 71 (Pol)
[Cervical myelopathy of vascular genesis--case reports] Kandić B, et al. Med Pregl 22:581-4, 1969 (Ser)

FAMILIAL & GENETIC

Ulcerative colitis and sacroiliitis: a family study. Macrae IF, et al. Ann Rheum Dis 29:559-60, Sep 70
[Immunochemical studies in families of patients with psoriatic arthritis and psoriatic spondylarthritis] Theiss B, et al.
Arch Klin Exp Dermatol 239:70-8, 1970 (Ger)

MICROBIOLOGY

Salmonella typhi spondylitis: an unusual presentation. Schweitzer G, et al. S Afr Med J 45:126-8, 30 Jan 71

PHYSIOPATHOLOGY

[Research concerning statics and dynamics of the rheumatismal foot and the functional diagnosis of gait disorders] Stroescu I, et al.
Rev Rhum Mal Osteoartic 38:173-8, Mar 71 (Fre)

RADIOGRAPHY

Ankylosing spondylitis and spondylitis accompanying ulcerative colitis, regional enteritis, psoriasis and Reiter's disease. A comparative study. McEwen C, et al. Arthritis Rheum 14:291-318, May-Jun 71
[Lumbosacral tuberculous spondylitis with posterior development] Amiel M, et al.
J Radiol Electrol Med Nucl 50:748-9, Oct 69 (Fre)
[Vertebra plana with vertebral biopsy. A case followed for 10 years] Lefort H.
J Radiol Electrol Med Nucl 52:173-5, Mar-Apr 71 (Fre)
[Nontuberculous spondylodiskitis] Louyot P, et al.
J Radiol Electrol Med Nucl 50:178-80, Mar-Apr 69 (Fre)
[Ochronotic spondylarthropathy] Cerveňanský J, et al.
Beitr Orthop Traumatol 17:637-9, Oct 70 (Ger)
[Infectious spondylitis after lumbar blocking of the sympathetic chain] Sewcz HG, et al.
Radiol Diagn (Berl) 11:23-9, 1970 (Ger)
[Planimetric measurements of intervertebral foramina in cervical spondylosis] Kinalski R, et al.
Neurol Neurochir Pol 4:507-13, Sep-Oct 70 (Pol)
[Infectious nonspecific spondylitis in children] Kvashnina VI.
Vestn Rentgenol Radiol 45:16-20, May-Jun 70 (Rus)

THERAPY

[Heating effects of diathermy with decimeter waves] Rusch D, et al.
Verh Dtsch Ges Rheumatol 1:420-5, 1969 (Ger)

VETERINARY

Use of selenium-tocopherol in clinical practice. Fuller SA. Vet Med Small Anim Clin 66:202 passim, Mar 71

SPONDYLITIS, ANKYLOSING (C3)

Ankylosing spondylitis. Calabro JJ, et al.
Am Fam Physician GP 2:80-9, Nov 70
Ankylosing spondylitis.
Arthritis Rheum 13:496-8, Sep-Oct 70
Ankylosing spondylitis and its variants. Edioorial comment. Duncan H. Clin Orthop 74:2-3, Jan 71
Clinical features of ankylosing spondylitis. Sigler JW, et al. Clin Orthop 74:14-9, Jan 71
[Ankylosing spondylarthritis (rheumatismal pelvispondylitis). Medico-military value. 62 personal cases] Doury P.
Rev Corps Sante Armees 11:765-84, Dec 70 (Fre)
[Reiter's syndrome and ankylosing spondylitis] Hauser W. Verh Dtsch Ges Rheumatol 1:60-9, 1969 (Ger)
[Medical psychological criteria in rheumatology. Comparison of psychologic characteristics in 2 patient groups with ankylosing spondylitis and lumbar disc hernia] Schild R.
Z Rheumaforsch 30:129-45, May-Jun 71 (Ger)
[Ankylosing spondylitis] Perry CB.
Recent Progr Med (Roma) 46:564-77, Jun 69 (Ita)
[Somatic types of males with ankylosing spondylitis] Wolański J. Pol Tyg Lek 25:1886-8, 7 Dec 70 (Pol)
[Ankylosing spondylitis] Szymański AF.
Wiad Lek 24:225-8, 1 Jul 71 (Pol)

BLOOD

[Influence of chronic rheumatic inflammation on blood iron content and erythrocyte magnesium] Jacqueline F, et al. Rhumatologie 22:137-40, Apr 70 (Fre)
[The determination of collagen antibodies and the so-called "collagen-like protein" (CLP) in serum in ankylosing spondylitis] Langness U, et al.
Verh Dtsch Ges Rheumatol 1:211-5, 1969 (Ger)
[Laboratory tests in Bechterew's disease] Svec V, et al.
Fysiatr Reumatol Vestn 45:199-203, Aug 67 (Slo)

COMPLICATIONS

Dysphagia and dyspnoea as complications in spondylarthritis ankylopoetica with cervical osteophytes. Benhabyles M, et al.
Acta Orthop Scand 41:396-401, 1970
Sjögren's syndrome in psoriatic arthritis, ankylosing spondylitis and Reiter's syndrome. Whaley K, et al.
Acta Rheumatol Scand 17:105-14, 1971
Fibrosing interstitial pneumonitis in ankylosing spondylitis. Cohen AA, et al. Chest 59:369-71, Apr 71
Vertebral osteoporosis in ankylosing spondylitis. Hanson CA, et al. Clin Orthop 74:59-64, Jan 71
The ankylosing spondylopathies. Hart FD.
Clin Orthop 74:7-13, Jan 71
Arthropathy, ankylosing spondylitis, and clubbing of fingers in ulcerative colitis. Jalan KN, et al.
Gut 11:748-54, Sep 70
Temporomandibular joint symptoms and ankylosing spondylitis. Crum RJ, et al.
J Am Dent Assoc 83:630-3, Sep 71
Amyloidosis in ankylosing spondylitis. Jayson MI, et al.
Rheumatol Phys Med 11:78-82, May 71
[Unusual form of Bechterew's disease] Kaňková D, et al. Fysiatr Reumatol Vestn 49:76-80, Apr 71 (Cze)
[Endocranial hyperostoses and ankylosing processes of the spine] Hájková Z, et al. Sb Lek 73:1-7, Jan 71 (Cze)
[Crico-arytenoid arthritis and ankylosing spondylarthritis] Morimont M, et al.
Acta Otorhinolaryngol Belg 24:653-61, 1970 (Fre)
[Prolonged fever revealing an inflammatory rheumatism in adults] Auquier L, et al.
Ann Med Interne (Paris) 122:597-603, May 71 (Fre)
[Clinical and immune aspects of rheumatic iridocyclitis] Blagojević M, et al.
Bull Mem Soc Fr Ophtalmol 83:71-83, 1970 (Fre)
[Aortic insufficiency, ankylosing spondylarthritis and Flessinger-Leroy-Reiter syndrome. Apropos of an anatomo-clinical case] Siguier F, et al.
Coeur Med Interne 9:457-65, Oct 70 (Fre)
[Transient total auriculoventricular block associated with ankylosing spondylarthritis] Warembourg H, et al. Lille Med 14:1178-83, Dec 69 (Fre)
[Surgical incidence in atloido-axoid luxation and odontoid apophysis osteolysis associated with rheumatoid polyarthritis and ankylosing spondylarthritis] Creyssel J, et al.
Rhumatologie 21:293-301, Oct 69 (Fre)
[Heart involvement in spondylitis ankylopoetica] Hensge R, et al.
Dtsch Gesundheitsw 25:391-3, 5 Mar 70 (Ger)
[Sacroiliitis, Reiter's disease and spinal rheumatism] Ott VR. Dtsch Med J 20:301-7, 27 May 69 (Ger)
[Hyperostotic spondylosis and diabetes mellitus. Observations of patients in a diabetic clinic] Boos R, et al. Verh Dtsch Ges Rheumatol 1:244-51, 1969 (Ger)
[The diagnosis of osteoporosis in ankylosing spondylitis] Havelka S, et al.
Verh Dtsch Ges Rheumatol 1:200-6, 1969 (Ger)
[Amyloidosis in ankylosing spondylitis] Missmahl HP.
Verh Dtsch Ges Rheumatol 1:97-101, 1969 (Ger)
[A case of spondylodiscitis in chronic polyarthritis] Capra R, et al. Reumatismo 21:110-3, May-Jun 69 (Ita)
[Amyloidosis in progressive polyarthritis and Bechterew's disease] Kopecký S, et al.
Fysiatr Reumatol Vestn 48:207-10, Oct 70 (Slo)
[Involvement of peripheral joints in Bechterew's disease] Sit'aj S, et al.
Fysiatr Reumatol Vestn 45:193-8, Aug 67 (Slo)
[Extraarticular osteitis in ankylosing spondylitis] Maksimović B, et al. Reumatizam 17:212-8, 1970 (Cro)

DIAGNOSIS

Differentiation of inflammation and ossification in spondylarthritis ankylopoietica. Langness U, et al.
Acta Rheumatol Scand 17:15-22, 1971
Reiter's syndrome--protan symptomatology? Woodcock K. Br Med J 3:706-7, 18 Sep 71
[Differential diagnosis of joint diseases in psoriasis patients] Theiss B.
Dtsch Med Wochenschr 96:300-3 passim, 12 Feb 71 (21 ref.) (Ger)
[Sacroiliac 85 Sr profilography in ankylosing spondylitis] Dihlmann W, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:42-53, Jul 71 (Ger)
[Diagnosis and prognosis of ankylosing spondylitis] Ott VR. Lebensversicherungsmedizin 23:1-7, Jan 71 (Ger)
[Differential diagnostic difficulties and atypical primary manifestations of early ankylosing spondylitis] Eberl R, et al.
Verh Dtsch Ges Rheumatol 1:162-70, 1969 (Ger)
[Biopsy differential diagnosis of sacroiliitis] Maier K.
Verh Dtsch Ges Rheumatol 1:47-56, 1969 (Ger)
[The differential diagnostic value of symptoms of ankylosing spondylitis] Mathies H, et al.
Verh Dtsch Ges Rheumatol 1:156-62, 1969 (Ger)
[Diagnosis of ankylosing spondylitis according to FML] Schoger GA.
Verh Dtsch Ges Rheumatol 1:215-9, 1969 (Ger)
[The clinical course of ankylosing spondylitis] Treiber W. Verh Dtsch Ges Rheumatol 1:101-4, 1969 (Ger)
[Early diagnosis of Bechterew's disease] Breitenfelder J. Z Allgemeinmed 46:1055-7, 31 Jul 70 (Ger)
[Diagnosis and treatment of ankylosing spondylitis] Shichikawa K, et al.
Surg Ther (Osaka) 23:425-34, Oct 70 (Jap)
[The symptom of foot removal from the floor in ankylosing spondyloarthritis (Bekhterev's disease)] Lukacher GIa.
Zh Nevropatol Psikhiatr 71:545-6, 1971 (Rus)
[The problem of disability in Bechterew's disease] Sit'aj S, et al.
Fysiatr Reumatol Vestn 45:204-8, Aug 67 (Slo)

DRUG THERAPY

[Value in rheumatology of a combination of a muscle relaxant, an analgesic and a corticoid] Doury P.
Maroc Med 49:296-9, May 69 (Fre)
[Long-term therapy of ankylosing spondylitis using cytostatics] Fricke R, et al.
Verh Dtsch Ges Inn Med 75:938-41, 1969 (Ger)
[Treatment of ankylosing spondylitis with cyclophosphamide and azathioprine] Fricke R, et al.
Verh Dtsch Ges Rheumatol 1:189-95, 1969 (Ger)
[Cytostatic long term treatment in the inflammatory clinical course of Bechterew's disease] Petersen D, et al. Z Orthop 108:74-80, Jul 70 (Ger)
[Our experience in immunosuppressive therapy in Behçet's disease] Pivetti-Pezzi P, et al.
Boll Oculi 48:886-95, Nov 69 (Ita)
[Incidence of complications in the drug treatment of ankylosing spondylitis] Svec V, et al.
Bratisl Lek Listy 55:619-28, May 71 (Slo)

ETIOLOGY

Spondylitis of hypoparathyroidism. Jimenea CV, et al.
Clin Orthop 74:84-9, Jan 71
[Morphology and pathogenesis of ankylosing spondylitis] Beneke G.
Verh Dtsch Ges Rheumatol 1:5-20, 1969 (Ger)

FAMILIAL & GENETIC

Familial spondylitis. Bennett R, et al.
Proc R Soc Med 64:663-4, Jun 71
[Genetics of ankylosing spondylitis] Jörgensen G.
Verh Dtsch Ges Rheumatol 1:104-13, 1969 (Ger)

HISTORY

Observations on chronic-ankylosing inflammation of the vertebrae and hip joints. Strumpell EA, et al.
Clin Orthop 74:4-6, Jan 71

IMMUNOLOGY

[The immunoglobulins in ankylosing spondylitis] Kriegel W, et al.
Verh Dtsch Ges Rheumatol 1:206-11, 1969 (Ger)
[Comparative studies of the demonstration of antinuclear factors by immunofluorescence and antiglobulin consumption tests] Schmidt K, et al.
Verh Dtsch Ges Rheumatol 1:251-8, 1969 (Ger)
[Behavior of C'3-concentration (beta-la-globulin) in inflammatory rheumatic diseases] Klein G.
Z Rheumaforsch 30:104-8, Mar-Apr 71 (Ger)

METABOLISM

[Histological and histochemical changes of the skin in patients with ankylosing spondylarthritis]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Dzierzyński M, et al.
Fysiatr Reumatol Vestn 49:152-5, Aug 71 (Cze)
[Metabolic changes in ankylosing spondylitis] Štěpán J, et al. Verh Dtsch Ges Rheumatol 1:90-7, 1969 (Ger)

OCCURRENCE

The rarity of ankylosing spondylitis in the black race. Baum J, et al. Arthritis Rheum 14:12-8, Jan-Feb 71
[Ankylosing spondylitis in Portugal] Pap L de. Verh Dtsch Ges Rheumatol 1:81-90, 1969 (Ger)
[Rheumatoid diseases in Poland in the period 1965-67] Dworakowska H, et al.
Reumatologia 8:169-75, 1970 (Pol)

PATHOLOGY

Immunofluorescence studies on kidney biopsies in ankylosing spondylitis. Linder E, et al.
Acta Pathol Microbiol Scand [B] 78:517-25, 1970
Enthesopathy of rheumatoid and ankylosing spondylitis. Ball J. Ann Rheum Dis 30:213-23, May 71
The lungs in ankylosing spondylitis.
Br Med J 3:492-3, 26 Aug 71
Pathology of ankylosing spondylitis. Cruickshankb. Clin Orthop 74:43-58, Jan 71
The microscopic appearance of synovial membranes in peripheral joints in ankylosing spondylitis. Wagner T.
Reumatologia 8:209-15, 1970
[Histological and histochemical changes of the skin in patients with ankylosing spondylarthritis] Dzierzyński M, et al.
Fysiatr Reumatol Vestn 49:152-5, Aug 71 (Cze)
[Morphology and pathogenesis of ankylosing spondylitis] Beneke G.
Verh Dtsch Ges Rheumatol 1:5-20, 1969 (Ger)
[Use of x-ray picture analysis for the perception of fine tissue changes in ankylosing spondylitis] Dihlmann W. Verh Dtsch Ges Rheumatol 1:21-32, 1969 (Ger)
[The problem of a peculiar osteopathy of the spine in ankylosing spondylitis] Pohl W, et al.
Verh Dtsch Ges Rheumatol 1:57-9, 1969 (Ger)
[X-ray morphological findings in ankylosing spondylitis] Schilling F.
Verh Dtsch Ges Rheumatol 1:33-46, 1969 (Ger)
[Destructive lesions of the spine in spondylarthritis ankylopoietica] Savoini E, et al.
Chir Organi Mov 58:427-37, 1970 (Ita)
[Synovial pathological anatomy in Bechterew's disease] Muriach V, et al.
Rev Esp Reum Enferm Osteoartic 13:304-6, Jan 70 (Spa)

PHYSIOPATHOLOGY

Pathophysiology of rheumatoid joint disease. Bluhm GB, et al. Clin Orthop 74:34-42, Jan 71
[Contribution of electromyography of the diaphragm to the study of dynamic respiratory reflexes in ankylosing spondylarthritis] Delhez L, et al.
J Belge Rhumatol Med Phys 24:209-16, Sep-Oct 69 (Fre)
[Measurement of vertebral column rotation] Pavelka K. Z Rheumaforsch 29:366-70, Nov-Dec 70 (Ger)

RADIOGRAPHY

Grading of films for sacro-iliitis in population studis. Macrae IF, et al. Ann Rheum Dis 30:58-66, Jan 71
Radiological manifestations of ankylosing spondylitis according to age at onset. Riley MJ, et al.
Ann Rheum Dis 30:138-48, Mar 71
Ankylosing spondylitis and spondylitis accompanying ulcerative colitis, regional enteritis, psoriasis and Reiter's disease. A comparative study. McEwen C, et al. Arthritis Rheum 14:291-318, May-Jun 71
Roentgen features of ankylosing spondylitis. Berens DL. Clin Orthop 74:20-33, Jan 71
[Radiographic changes in the calcaneus in progressive polyarthritis and ankylosing spondylitis] Domljan Z, et al. Fysiatr Reumatol Vestn 48:218-21, Oct 70 (Cze)
[Lymphography in ankylosing spondylarthritis] Fournier AM, et al.
J Radiol Electrol Med Nucl 50:773-84, Nov 69 (Fre)
[Place of metatarso-phalangeal arthritis of destructive tendency in peripheral localizations of ankylosing spondylarthritis (A.S.)] Louyot P, et al.
J Radiol Electrol Med Nucl 50:281-5, May 69 (Fre)
[Unusual aspect of an ankylosing spondylarthritis] Rousseau J, et al.
J Radiol Electrol Med Nucl 51:820-1, Dec 70 (Fre)
[Use of x-ray picture analysis for the perception of fine tissue changes in ankylosing spondylitis] Dihlmann W. Verh Dtsch Ges Rheumatol 1:21-32, 1969 (Ger)
[X-ray morphological findings in ankylosing spondylitis] Schilling F.
Verh Dtsch Ges Rheumatol 1:33-46, 1969 (Ger)
[Destruction of the intervertebral disk and vertebral body in Bekhterev's disease] Nowak C.
Pol Przegl Radiol 35:269-72, May-Jun 71 (Pol)
[Changes on the cervical spine in the course of ankylosing spondylitis in our patients] Car A.
Reumatizam 17:169-75, 1970 (Cro)

RADIOTHERAPY

[Irradiated ankylosing spondylarthritis and radioleukemia] Guiraud G.
J Radiol Electrol Med Nucl 52:163-6, Mar-Apr 71 (Fre)
[On the therapeuic value of colloidal radioactive gold (Au198) in the treatment of certain rheumatismal diseases] Gheorghe N, et al.
Rev Roum Physiol 7:323-8, 1970 (Fre)
[Critical remarks on the radiotherapy in ankylosing spondylitis] Barth G, et al.
Verh Dtsch Ges Rheumatol 1:149-55, 1969 (Ger)
[Radon pit treatment of ankylosing spondylitis] Günther R, et al.
Verh Dtsch Ges Rheumatol 1:141-8, 1969 (Ger)
[Results of a 20-year-long parenteral thorium-X treatment of osseous inflammatory ankylosis of the spine (Bechterew's disease)] Koch W.
Verh Dtsch Ges Rheumatol 1:132-40, 1969 (Ger)
[Results of x-ray treatment in ankylosing spondylitis] Schuler B, et al.
Verh Dtsch Ges Rheumatol 1:124-32, 1969 (Ger)

REHABILITATION

Rotary brush. Sackville L.
Can J Occup Ther 37:149, Winter 70
Ambulation-prism-spectacles. Gostin SB.
Trans Am Acad Ophthalmol Otolaryngol 75:644-6, May-Jun 71
[Vocational change, disability and professional incapacity due to ankylosing spondylitis] Schwenk G.
Verh Dtsch Ges Rheumatol 1:219-22, 1969 (Ger)

SURGERY

[Pelvic osteotomy preferred to rachidian osteotomy for the treatment of severe kyphosis of ankylosing spondylarthritis] Gérard Y, et al.
Rev Rhum Mal Osteoartic 38:221-5, Mar 71 (Fre)
[Sivash-prosthesis hip arthroplasty in Bechterew's disease] Chapchal G.
Beitr Orthop Traumatol 17:146-8, Feb 70 (Ger)
[II. Orthopedic prolems in the treatment of chronic polyarthritis. Hip joint alloplasty in patients with infectious arthritis] Panowa MI.
Beitr Orthop Traumatol 17:770-2, Dec 70 (Ger)
[The remobilization of ankylosed hip joints in ankylosing spondylitis with a total endoprosthesis] Buchholz HW.
Verh Dtsch Ges Rheumatol 1:178-84, 1969 (Ger)
[Surgical treatment of severe kyphosis and hip arthrosis in ankylosing spondylitis] Junghanns H.
Verh Dtsch Ges Rheumatol 1:171-8, 1969 (Ger)

THERAPY

[Treatment of ankylosing spondylitis] Blécourt JJ de.
Ned Tijdschr Geneeskd 115:19-22, 2 Jan 71 (Dut)
[Corticoid excretion of spondylosis patients during ultrasonic therapy] Morariu E, et al.
Arch Phys Ther (Leipz) 21:67-72, Jan-Feb 69 (Ger)
[Sports as therapy of Bechterew's disease] Jung I.
Schweiz Med Wochenschr 101:283-8, 27 Feb 71 (Ger)
[Hyperthermia treatment of ankylosing spondylitis] Hentschel HD, et al.
Verh Dtsch Ges Rheumatol 1:184-8, 1969 (Ger)
[Criteria of the treatment results of ankylosing spondylitis] Nold F, et al.
Verh Dtsch Ges Rheumatol 1:292-305, 1969 (Ger)
[The therapy of Bechterew's disease] Schulze B.
Z Aerztl Fortbild (Jena) 64:1113-5, 1 Nov 70 (Ger)
[Therapy of Bechterew's disease with special reference to the therapeutic possibilities available to the general practioner] Breitenfelder J.
Z Allgemeinmed 46:1058-62, 31 Jul 70 (Ger)
[Massage therapy with mud in the treatment of ankylosing spondylitis] Dainotto F, et al.
Clin Ter 47:236-9, 31 Dec 68 (Ita)
[Clinical studies of the treatment of arthrosis with intravenous administration of indomethacin, in association with exercise therapy] Santolini BM, et al.
Minerva Ortop 22:141-5, Apr 71 (Ita)
[An antirheumatic therapy which has proved itself: that of ankylosing spondylarthritis] Françon F.
Reumatismo 20:226-30, May-Jun 68 (Ita)
[Diagnosis and treatment of ankylosing spondylitis] Shichikawa K, et al.
Surg Ther (Osaka) 23:425-34, Oct 70 (Jap)

SPONDYLOEPIPHYSEAL DYSPLASIA see

ECCENTRO-OSTEOCHONDRODYSPLASIA (C3)

SPONDYLOLISTHESIS (C16)

Spondylolysis and spondylolisthesis in children: a review. Mc Kee BW, et al.
J Can Assoc Radiol 22:100-9, Mar 71
Spondylolisthesis following lumbar disc surgery in a child. Case report. Kobrine A, et al.
J Neurosurg 34:563-8, Apr 71
[Lumbosacral spondylolisthesis. Introduction] Picault C. Rev Chir Orthop 57:Suppl 1:88-9, 1971 (Fre)
[Spondylolisthesis] Parsch K, et al.
Z Allgemeinmed 46:1390-3, 10 Oct 70 (Ger)

COMPLICATIONS

Spondylolisthesis and tight hamstrings. Barash HL, et al. J Bone Joint Surg [Am] 52:1319-28, Oct 70
[Absence of an articular process on L3 in combination with spondylolisthesis on L5-S1 as a clinical symptomless secondary finding] Rose H.
Fortschr Geb Roentgenstr Nuklearmed 114:424-6, Mar 71 (Ger)
[Management of delivery in spondylolisthesis] Link G.
Med Welt 34:1465-8, 22 Aug 70 (Ger)
[Spondylolisthesis with spastic gait] Tsiv'ian IaL.
Vopr Netrokhir 34:58-60, Sep-Oct 70 (Rus)

CONGENITAL

Spondylolisthesis of the cervical spine. Case report. Dawley JA. J Neurosurg 34:99-101, Jan 71

DIAGNOSIS

[Complaint and symptoms in spondylolysis and spondylolisthesis] Morisaki N.
J Jap Orthop Assoc 44:898-9, Sep 70 (Jap)

ETIOLOGY

[Relations of spondylolysis and spondylolisthesis to injury] Lance P.
Rev Chir Orthop 57:Suppl 1:107-9, 1971 (Fre)
[Etiology of spondylolisthesis] Taillard W.
Rev Chir Orthop 57:Suppl 1:90-8, 1971 (Fre)
[Experimental studies on the etiology of spondylolysis] Pfeil E. Z Orthop 109:231-8, May 71 (Ger)
[Etiology of spondylolysis] Yano T, et al.
J Jap Orthop Assoc 44:695-8, Sep 70 (Jap)
[Etiology of spondylolysis--question on the theory of hypoplasia of the vertebral arch] Arai M.
Orthop Surg (Tokyo) 22:1-8, Jan 71 (Jap)
[Radiological follow-up of spondylolysis--in 4 cases from the view point of postnatal development] Kimura M. Orthop Surg (Tokyo) 22:31-8, Jan 71 (Jap)

FAMILIAL & GENETIC

Osteopetrosis with spondylolysis--four cases in one family. Saha MM, et al. Br J Radiol 43:738-40, Oct 70
[Heredity in spondylolisthesis; its sexual variations and associated modifications of the lumbo-pelvic skeleton] Wangermez J, et al.
J Radiol Electrol Med Nucl 50:311-4, May 69 (Fre)

OCCURRENCE

Spondylolysis in the Alaskan Eskimo. Ketteikamp DB, et al. J Bone Joint Surg [Am] 53:563-6, Apr 71

PATHOLOGY

[Lumbosacral spondylolisthesis. Anatomopathological basis] Louis R.
Rev Chir Orthop 57:Suppl 1:99+, 1971 (Fre)
[Microscopic anatomy of spondylolysis] Taillard W.
Rev Chir Orthop 57:Suppl 1:106, 1971 (Fre)

RADIOGRAPHY

[Reflexions on discography after 500 cases] Massare C.
J Radiol Electrol Med Nucl 51:571-4, Oct 70 (Fre)
[Lumbosacral spondylolisthesis. Radiological examination] Massare C, et al.
Rev Chir Orthop 57:Suppl 1:110-4, 1971 (Fre)
[Combined exploration air myelography-discography in lumbar rheumatology] Chaouat Y, et al.
Rev Rhum Mal Osteoartic 38:299-305, Apr 71 (Fre)
[Lumbar diskography; its value in diagnosis and surgical treatment of painful lumbar and lumbosacral diskopathies: record of 4 years' experience] Massare C, et al.
Rev Rhum Mal Osteoartic 36:312-5, Jun 69 (Fre)
[Radiographic demonstration of fissue formation in the intra-articular portion of the 4th or 5th lumbar vertebra] Hannappel A.
Arch Orthop Unfallchir 69:35-8, 1970 (Ger)
[Spondylolisthesis and sport] Schmidt H.
Beitr Orthop Traumatol 17:717-9, 1970 (Ger)
[Zones of reconstruction in the interarticular portions of lumbar vertebrae as an expression of disruption of adaptation to extensive loading] Mal'chenko OV.
Vestn Rentgenol Radiol 45:74-9, Sep-Oct 70 (Rus)

SURGERY

Transabdominal anterior interbody fusion of spondylolisthesis L5-S1. Kunc Z, et al.
Acta Neurol Scand 46:354-68, 1970
Surgical reduction and stabilization of spondylolisthesis. Del Torto U.
Clin Orthop 75:281-4, Mar-Apr 71
Spondylolisthesis (two cases). Buck JE.
Proc R Soc Med 64:713-4, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Lumbosacral spondylolisthesis. Intersomatic anterior arthrodesis. I. History] Cauchoix J.
Rev Chir Orthop 57:Suppl 1:125, 1971 (Fre)
[Lumbosacral spondylolisthesis. 3. Associated anterior and posterior arthrodesis] Cauchoix J.
Rev Chir Orthop 57:Suppl 1:131-7, 1971 (Fre)
[Lumbosacral interbody arthrodesis] Debeyre J, et al.
Rev Chir Orthop 55:499-514, Sep 69 (Fre)
[Lumbosacral spondylolisthesis. II. Intersomatic anterior arthrodesis in the treatment of L.P.S. of less than 50 per cent] Goutallier D.
Rev Chir Orthop 57:Suppl 1:125+, 1971 (Fre)
[Lumbosacral spondylolisthesis. V. Stabilization of spondylolisthesis of more than 50 per cent and of spondyloptosis] Lord G.
Rev Chir Orthop 57:Suppl 1:141-7, 1971 (Fre)
[Lumbosacral spondylolisthesis. IV. Fixed intersomatic anterior arthrodesis] Mazas F.
Rev Chir Orthop 57:Suppl 1:137+, 1971 (Fre)
[Lumbosacral spondylolisthesis. Spinal posterior arthrodesis] Moreau CA.
Rev Chir Orthop 57:Suppl 1:121-4, 1971 (Fre)
[Lumbosacral spondylolisthesis. Gill's operation] Picault C. Rev Chir Orthop 57:Suppl 1:118+, 1971 (Fre)
[Lumbosacral spondylolisthesis. Indications of surgical treatment] Picault C.
Rev Chir Orthop 57:Suppl 1:158+, 1971 (Fre)
[Radical decompression of the cauda equina in spondylolisthesis with iliac-lumbar extension stiffness and sciatica] Schlegel KF.
Langenbecks Arch Chir 322:584-7, 1968 (Ger)
[Therapy of spondylolisthesis] Mahner A.
Z Allgemeinmed 47:242-3, 20 Feb 71 (Ger)
[Transabdominal reposition and splinting of advanced spondylolisthesis and early spondyloptosis] Zimmermann H. Z Orthop 109:467-74, Jul 71 (Ger)
[Evaluation of the anterior fixatio method in spondylolysis and spondylolisthesis] Inoue S, et al.
J Jap Orthop Assoc 44:709-12, Sep 70 (Jap)
[Laminectomy without fusionin spondylolysis] Ito T.
J Jap Orthop Assoc 44:699-702, Sep 70 (Jap)
[Spondylolysis and spondylolisthesis, with special reference to posterior fixation method] Kono S.
J Jap Orthop Assoc 44:703-6, Sep 70 (Jap)
[Evaluation of surgical therapy in spondylolysis and spondylolisthesis and follow-up studies by each method] Onomura T, et al.
J Jap Orthop Assoc 44:712-7, Sep 70 (Jap)
[Removal of the mobile laminae without subsequent spine fusion in spondylolysis] Ito T.
Shujutsu 25:297-306, Mar 71 (Jap)

THERAPY

[Lumbosacral spondylolisthesis. Medical and orthopedic treatment] Lance P.
Rev Chir Orthop 57:Suppl 1:115-6, 1971 (Fre)
[Reduction and fixation of spondylolisthesis and spondyloptosis] Michel CR.
Rev Chir Orthop 57:Suppl 1:148+, 1971 (Fre)
[Therapy of spondylolysis and spondylolisthesis in early childhood] Pfeil E.
Beitr Orthop Traumatol 17:719-21, 1970 (Ger)
[Spondylolysis and spondylolisthesis, with special reference to therapy] Hirabayashi K, et al.
J Jap Orthop Assoc 44:706-9, Sep 70 (Jap)

VETERINARY

Occurrence of spondylolisthesis (kinky-back) in broiler chickens in South Australia. Kelly WR.
Aust Vet J 47:73, Feb 71
Spondylolisthesis ('kinky back') in broiler chickens. Wise DR. Res Vet Sci 11:447-51, Sep 70

SPONDYLOLYSIS see under SPONDYLOLISTHESIS

(C16)

SPONDYLOSIS DEFORMANS see under SPINAL

OSTEOPHYTOSIS (C3)

SPONTIN see RISTOCETIN (D3)

SPORES (B3, B5)

Identification of a pea component stimulatory for heat-stressed putrefactive anaerobe 59-123 spores. Ashton DH. Appl Microbiol 21:38-40, Jan 71
Dry-heat inactivation kinetics of naturally occurring spore populations. Bond WW, et al.
Appl Microbiol 20:573-8, Oct 70
Improved device for the administration of fungal spores to small animals via the respiratory route. Burrell R. Appl Microbiol 20:964-5, Dec 70
Dry-heat destruction of Bacillus subtilis spores on surfaces: effect of humidity in an open system. Drummond DW, et al. Appl Microbiol 20:805-9, Nov 70
Inhibition of transplantable tumour cells by tetanus spores. Schneeweiss U, et al.
Arch Geschwulstforsch 35:1-5, 1970
Commitment to sporulation and induction of glucose-phosphoenolpyruvate-transferase. Freese E, et al. Biochim Biophys Acta 222:265-89, 24 Nov 70
Coordinative binding of divalent cations with ligands related to bacterial spores. Equilibrium studies. Chung L, et al. Biophys J 11:469-82, Jun 71
Coordinative binding of divalent cations with ligands related to bacterial spores: equilibrium studies. Chung L, et al. Biophys J 11:469-82, Jun 71
Effects of mechanical shaking and water tension on survival and distribution of fungal inoculum in glass microbead media. Dickinson CH, et al.
Can J Microbiol 16:549-52, Jul 70
Sorption of water by spores, heat-killed spores, and vegetative cells. Grecz N, et al.
Can J Microbiol 16:573-9, Jul 70
Effects of freeze-drying and sporulation on microbial variation. Servin-Massieu M.
Curr Top Microbiol Immunol 54:119-50, 1971 (106 ref.)
Formation of the parasporal inclusion of Bacillus thuringiensis. Somerville HJ.
Eur J Biochem 18:226-37, Jan 71
Means for the recovery of homokaryotic segregants following sexual crosses in Neurospora tetrasperma. Novak DR, et al. Genetics 67:201-8, Feb 71
Formation of protoplasts from resting spores. Fitz-James PC. J Bacteriol 105:1119-36, Mar 71
Preparation of biologically active ribosomal subunits from fungal spores. Van Etten JL.
J Bacteriol 106:704-6, May 71
The stability of messenger ribonucleic acid during sporulation in Bacillus subtilis. Leighton TJ, et al.
J Biol Chem 246:3189-95, 25 May 71
Sporulation in Bacillus subtilis. Theoretical and experimental studies in continuous culture systems. Dawes IW, et al. J Gen Microbiol 62:49-66, Jul 70
Sporidesmin production and sporulation in Pithomyces chartarum. DiMenna ME, et al.
J Gen Microbiol 61:87-96, Apr 70
Mutants of Streptomyces coelicolor defective in sporulation. Hopwood DA, et al.
J Gen Microbiol 61:397-408, Jun 70
Inactivation of bacterial spores by hydrostatic pressure. Sale AJ, et al.
J Gen Microbiol 60:323-34, Mar 70
Septation during sporulation in Streptomyces coelicolor. Wildermuth H, et al.
J Gen Microbiol 60:51-9, Jan 70
Entomophthora conidia in the air-spora. Wilding N.
J Gen Microbiol 62:149-57, Aug 70
Longevity of Cercospora beticola conidia under different storage conditions. Ruppel EG.
Mycologia 63:640-1, May-Jun 71
Determining effect of growth medium on the shape and position of daughter chromosomes and on sporulation in Bacillus subtilis. Dawes IW, et al.
Nature (Lond) 230:567-9, 30 Apr 71
Ultrastructural observations on the kinetosomes, and golgi bodies during the asexual life cycle of Saprolegnia. Heath IB, et al.
Z Zellforsch Mikrosk Anat 112:371-89, 1971
[Fatty acids metabolism during sporulation in Bacillus subtilis var. niger] Bureau G, et al.
Ann Inst Pasteur (Paris) 120:144-53, Feb 71 (Fre)
[Biogenesis of laterosporin. II. Functions of the antibiotic] Stamatin N, et al.
Ann Inst Pasteur (Paris) 120:609-15, May 71 (Fre)
[Biosynthesis of linear or branched fatty acids, during sporulation of Bacillus subtilis var. Niger. Study by gas radiochromatography] Bureau G, et al.
C R Acad Sci [D] (Paris) 272:153-5, 4 Jan 71 (Fre)
[Characterization of a cytoplasmic endopeptidase in Bacillus megaterium undergoing sporulation] Millet J. C R Acad Sci [D] (Paris) 272:1806-9, 29 Mar 71 (Fre)
[Study of rate of the gastrointestinal transit of spores of a strictly thermophilic strain of Bacillus subtilis in the holoxenic rat, the axenic rat and the cecectomized axenic rat] Sacquet E, et al.
C R Soc Biol (Paris) 164:532-7, 1970 (Fre)
[The structure, especially the nuclear apparatus, of the very large sporulating bacteria] Delaporte B.
Z Allg Mikrobiol 10:165-82, 1970 (Fre)
[Increasing importance of hyphomycetic allergies in the respiratory tract] Hussarek M.
Monatsschr Ohrenheilkd Laryngorhinol 104:257-62, 1970 (Ger)
[Preservation of fungal spores] Friedrich W.
Z Med Labortech 12:223-4, 1971 (Ger)
[Endogenous rhythms with annual periodicity] Kazantsev EF. Biofizika 14:684-7, Jul-Aug 69 (Rus)
[Heat resistance of actinomycetes spores in relation to their content of dipicolinic acid, calcium and magnesium] Kalakutskif LV, et al.
Dokl Akad Nauk SSSR 184:1214-6, 11 Feb 69 (Rus)
[Use of a motorcar engine for obtaining air samples by an aspiration device] Galikeev KhL.
Gig Sanit 35:55-7, Oct 70 (Rus)
[Heat resistance of actinomycetes spores in air, water and hydrocarbons] Aslanian RR, et al.
Mikrobiologiia 40:293-6, Mar-Apr 71 (Rus)
[New forms of microorganisms and their distribution in natural peat] Volarovich MP, et al.
Mikrobiologiia 39:488-94, May-Jun 70 (Rus)

ANALYSIS

A comparative survey of atmospheric pollen and fungus spores at two places twenty miles apart. Reddi CS.
Acta Allergol (Kbh) 25:189-215, Jun 70
Major constituents of the conidial wall of Neurospora crassa. Mahadevan PR, et al.
Indian J Exp Biol 8:207-10, Jul 70
Chemical composition of chlamydospores of Candida albicans. Jansons VK, et al.
J Bacteriol 104:922-32, Nov 70
Structure and composition of resistant layers in bacterial spore coats. Gould GW, et al.
J Gen Microbiol 60:347-55, Mar 70
The association of lipoidal materials with spores of Nosema apis. Vandermeer JW, et al.
J Invertebr Pathol 17:284-5, Mar 71

CLASSIFICATION

Classification of Streptomyces spore surfaces into five groups. Dietz A, et al. Appl Microbiol 21:527-33, Mar 71

CYTOLOGY

Polysaccharides, ascospore walls and classification of Lipomyces. Slooff WC, et al.
Antonie van Leeuwenhoek 35:Suppl:A23-4, Jun 69
The fine structure of basidiospores of Panaeolus campanulatus (L.) Fr. revealed by freeze-etching. Griffiths DA. Arch Mikrobiol 76:74-82, 1971
Fine structure of ascospore development in the yeast Saccharomyces cerevisiae. Moens PB.
Can J Microbiol 17:507-10, Apr 71
Germination and outgrowth of Bacillus thuringiensis and Bacillus alvei spores viewed by scanning electron and phase-contrast microscopy. St. Julian G, et al.
Can J Microbiol 17:373-5, Mar 71
The fine structure of fern root cells showing apospory. Munroe MH, et al. Dev Biol 23:550-62, Dec 70
Ultrastructural changes and biochemical events in basidiospore germination of Schizophyllum commune. Aitken WB, et al.
J Bacteriol 104:981-8, Nov 70
Paracrystalline sheets reaggregated from solubilized exosporium of Bacillus cereus. Beaman TC, et al.
J Bacteriol 107:320-4, Jul 71
Ultrastructural changes associated with activation and germination of Bacillus cereus T spores. Hashimoo T, et al. J Bacteriol 105:361-8, Jan 71
Electron microscopy of the altered spore morphology of a ribonucleic acid polymerase mutant of Bacillus subtilis. Korch CT, et al. J Bacteriol 105:1110-8, Mar 71
Spore refractility in variants of Bacillus cereus treated with actinomycin D. Pearce SM, et al.
J Bacteriol 107:337-44, Jul 71
Taxonomic implications of spore fine structure in Clostridium bifermentans. Rode LJ, et al.
J Bacteriol 105:349-54, Jan 71
Appendage development in Clostridium bifermentans. Samsonoff WA, et al. J Bacteriol 106:269-75, Apr 71
The surface structure of spores and aerial mycelium in Streptomyces coelicolor. Wildermuth H, et al.
J Ultrastruct Res 35:168-80, Apr 71
Ultrastructural investigations of dormant Tilletia caries teliospores. Allen JV, et al.
Mycologia 63:144-68, Jan-Feb 71
An ultrastructural study of spore germination in the myxomycete Arcyria cinerea. Mims CW.
Mycologia 63:586-601, May-Jun 71
Deterioration of uredospores of wheat stem rust under natural conditions. Orr GF, et al.
Mycopathol Mycol Appl 44:143-8, 3 May 71
The surface structure of saprophytic and parasitic dermatophyte spores. Smith JM, et al.
Mycopathol Mycol Appl 43:153-9, 19 Feb 71
The nature of the secondary conidia of Sporothrix schenckii. Taylor JJ.
Mycopathol Mycol Appl 41:379-82, 4 Dec 70
[Somatic karyokinesis in Nannizzia incurvata] Hejtmánková-Uhrová N, et al.
Zentralbl Bakteriol [Naturwiss] 122:185-96, 1968 (Ger)
[Morphology of sporophores and spores in spontaneous mutants of Actinomyces nodosus Trejo producer of amphotericin] Zhukova RA, et al.
Antibiotiki 15:785-9, Sep 70 (Rus)
[Electron microscopic study of the structure of Verticillium dahliae] Saftiazov Zh, et al.
Dokl Akad Nauk SSSR 197:203-4, 1 Mar 71 (Rus)
[Ultrastructure of the hyphae and spores of Actinomyces megasporus] Dorokhova LA, et al.
Mikrobiologiia 40:517-21, May-Jun 71 (Rus)
[Structure of a spore coat in Bacillus longissimus] Kudriavtsev VI, et al.
Mikrobiologiia 40:332-4, Mar-Apr 71 (Rus)
[Study of the nuclei in mycelium and conidia of Trichothecium roseum Link] Maksimova RA, et al.
Mikrobiologiia 38:874-8, Jul-Aug 69 (Rus)
[Heterokaryon nature and germination ability of conidia in relation to variability of Trichothecium roseum] Pal'mova NP, et al.
Mikrobiologiia 39:665-70, Jul-Aug 70 (Rus)
[Use of luminescent microscopy for demonstration of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

nuclear DNA in the conidia of Phytophthora infestans] Karaseva EV, et al. Tsitologiia 12:1350-1, Oct 70 (Rus)

DRUG EFFECTS

Ethylene oxide resistance of micro-organisms in dust compared with the resistance of Bacillus subtilis spores. Kristensen H. Acta Pathol Microbiol Scand [B] 78:298-304, 1970
Ethylene oxide resistance of nondesiccated and desiccated spores of Bacillus subtilis var. niger hermetically sealed in various polymeric films. Doyle JE, et al. Appl Microbiol 20:793-7, Nov 70
Effect of relative humidity on the penetrability and sporicidal activity of formaldehyde. Hoffman RK, et al. Appl Microbiol 20:616-9, Oct 70
Reversible inhibition of spore germination by alcohols. Trujillo R, et al. Appl Microbiol 20:620-3, Oct 70
Phenethyl alcohol induced germination of ascospores of Neurospora. Lingappa BT, et al. Arch Mikrobiol 72:97-105, 1970
The effects of nicotinamide on heat resistance of spores of Bacillus cereus T. Mohankumar KC, et al. Experientia 26:1162-3, 15 Oct 70
Effect of 5-bromouracil on the pattern of deoxyribonucleic acid replication in germinating Bacillus subtilis spores. Nagley P, et al. J Mol Biol 43:619-30, 14 Aug 69
The inhibition of the development of the spores of a spoilage mould by chemical preservatives. McCafferty M, et al. J Pharm Pharmacol 22:679-83, Sep 70
Genetic classification of the lethal effects of various agents on heterokaryotic spores of Phycomyces. Cerdá-Olmedo E, et al. Mutat Res 9:369-84, Apr 70
Salinity tolerance of Saprolegnia parasitica Coker. Harrison JL, et al. Mycopathol Mycol Appl 43:297-307, 25 Mar 71
[Testing of glutaraldehyde, a new synthetic bactericidal and sporicidal drug, on some surgical and anesthesiological instruments] Carboncini P, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:345-52, 1968 (Ita)
[Comparative study of triethylamine and ethyleneimine used in the selection of the kanamycin-producing Actinomyces kanamyceticus] Duseeva ND, et al. Antibiotiki 16:32-6, Jan 71 (Rus)
[Culture media for the inoculation of the oxytetracycline-producing organism] Orlova NV. Antibiotiki 16:258-62, Mar 71 (Rus)
[N-nitrosomethylurea induced variability in 3 variants of Act. antibioticus--producer of oleandomycin] Zharova NI. Antibiotiki 15:599-602, Jul 70 (Rus)
[Ethylene oxide sterilization in hospitals] Nyström B. Lakartidningen 67:4657-63, 7 Oct 70 (Swe)

ENZYMOLOGY

Enhancement of Bacillus cereus spore lytic enzyme by a heat-labile non-dialyzable factor in spore extracts. Mencher JR, et al. Biochim Biophys Acta 230:646-8, 1971
Increase of thymidine, thymidylate and deoxycytidine kinase activites during germination of bacterial spores. Tanooka H, et al. Biochim Biophys Acta 228:26-37, 1 Jan 71
The purification and properties of the aminoacyl-tRNA binding enzyme from bean rust uredospores. Yaniv Z, et al. Biochim Biophys Acta 232:717-25, 8 Apr 71
An introspective view of penicillinase. Saz AK. J Cell Physiol 76:397-403, Dec 70
[Change in the activities of various enzymes in uredospores of Puccinia graminis var. tritici during germination] Burger A, et al. Arch Mikrobiol 72:260-6, 1970 (Ger)

GROWTH & DEVELOPMENT

Factors controlling sporulation of Schizosaccharomyces. Fowell RR. Antonie van Leeuwenhoek 35:Suppl:H21-2, Jun 69
Remarks on the sporulation of Saccharomyces cerevisiae Hansen. Vezinhet F, et al. Antonie van Leeuwenhoek 35:Suppl:H23-4, Jun 69
Heat resistance of xerophilic fungi based on microscopical assessment of spore survival. Pitt JI, et al. Appl Microbiol 20:682-6, Nov 70
Sporulation in Bacillus subtilis. Correlation of biochemical events with morphological changes in asporogenous mutants. Waites WM, et al. Biochem J 118:667-76, Jul 70
Electron spin resonance evaluation of pigment accumulation during asexual sporulation in Aspergillus flavus. Leighton TJ, et al. Biochim Biophys Acta 237:128-31, 20 Apr 71
Carbon and nitrogen requirements for macroconidial germination of Fusarium solani: dependence on conidial density. Griffin GJ. Can J Microbiol 16:733-40, Aug 70
Effects of glutamic acid on sporulation of Bacillus cereus and on spore properties. Kennedy RS, et al. Can J Microbiol 17:511-9, Apr 71
The mapping of genes for spore formation on the chromosome of Bacillus licheniformis. Rogolsky M. Can J Microbiol 16:595-600, Jul 70
Chlamydospore development in the absence of protein synthesis in Fusarium solani. Cochrane VW, et al. Dev Biol 23:345-54, Nov 70
Appearance of polyribosomes during germination of spores in cellular slime mold Dictyostelium purpureum. Feit IN, et al. Exp Cell Res 65:439-44, Apr 71
Synthesis of protein and RNA for initiation and growth of the protonema during germination of bracken fern spore. Raghavan V. Exp Cell Res 65:401-7, Apr 71
Germination of bracken fern spores. Regulation of protein and RNA synthesis during initiation and growth of the rhizoid. Raghavan V. Exp Cell Res 63:341-52, Dec 70
The value of chlamydospore test in the identification of Candida albicans. Kirčeva-Ganova E. Folia Med (Plovdiv) 11:336-42, 1969
A novel selective method for the production of Bacillus subtilis var. niger spores. Evans CG, et al. J Appl Bacteriol 34:215-9, Mar 71
Bacillus thuringiensis sporulation at suboptimal temperature. Aronson JN, et al. J Bacteriol 105:445-8, Jan 71
Pseudogermination in dipicolinic acid-less spores of a Bacillus cereus T mutant. Frank HA, et al. J Bacteriol 106:292-3, Apr 71
Selection of cells transformed to prototrophy for sporulation markers. Hoch JA. J Bacteriol 105:100-1, Mar 71
Genetic analysis of pleiotropic negative sporulation mutants in Bacillus subtilis. Hoch JA. J Bacteriol 105:896-901, Mar 71
Induction, morphogenesis, and germination of the chlamydospore of Candida albicans. Jansons VK, et al. J Bacteriol 104:910-21, Nov 70
Appearance of a new species of ribonucleic acid during sporulation in Saccharomyces cerevisiae. Kadowaki K, et al. J Bacteriol 105:828-30, Mar 71
Sporulation of a cortexless mutant of a variant of Bacillus cereus. Pearce SM, et al. J Bacteriol 105:339-48, Jan 71
Germination requirements of Bacillus macerans spores. Sacks LE, et al. J Bacteriol 105:739-46, Mar 71
Sporulation in Bacillus brevis: studies on protease and protein turnover. Slapikoff S, et al. J Bacteriol 106:739-44, Jun 71
Preferential transcription of Bacillus subtilis light deoxyribonucleic acid strands during sporulation. Yamakawa T, et al. J Bacteriol 106:305-10, May 71
Sequence of events during rapid germination of spores of Bacillus cereus. Dring GJ, et al. J Gen Microbiol 65:101-4, Jan 71
Initiation of germination of bacterial spores by hydrostatic pressure. Gould GW, et al. J Gen Microbiol 60:335-46, Mar 70
Exospores and cysts formed by methane-utilizing bacteria. Whittenbury R, et al. J Gen Microbiol 61:219-26, May 70
A conidial germination test in antifungal evaluations using dermatophytic organisms. Boyes RN, et al. J Invest Dermatol 56:83-4, Feb 71
The effect of temperature and of cetrimide on the rate of loss of refractility of spores of Bacillus megaterium. Rigby GJ, et al. J Pharm Pharmacol 23:8-14, Jan 71
Biochemical genetics of bacterial sporulation. 3. Correlation between morphological and biochemical properties of sporulation mutants. Balassa G, et al. Mol Gen Genet 108:1-22, 1970
Effect of aeration on the germination of Fuligo septica spores. Braun KL. Mycologia 63:669-71, May-Jun 71
pH, nutrients and macrospore germination in Gibberella zeae. Cappellini RA, et al. Mycologia 63:641-3, May-Jun 71
Chlamydospore induction in pure culture in Fusarium solani. Cochrane VW, et al. Mycologia 63:462-77, May-Jun 71
Production of ascospores by Piedraia hortai in vitro. Takashio M, et al. Mycologia 63:612-8, May-Jun 71
Influence of some factors on the growth and development of adiaspores of the fungus Emmonsia crescens Emmons et Jellison 1960. Hamšíček F, et al. Mycopathol Mycol Appl 43:201-9, 19 Feb 71
Effect of carbon sources on germibation of chlamydospores of Ustilago scitaminea Syd. Saxena SK, et al. Mycopathol Mycol Appl 43:317-22, 25 Mar 71
A note on chlamydospore formation in Trichosporon cutaneum. Walt JP van der. Mycopathol Mycol Appl 41:233-5, 4 Dec 70
Effect of radiation on the germination of spores of Dictyostelium discoideum. Hashimoto Y. Nature (Lond) 231:316-7, 4 Jun 71
Conidial discharge in Protomycopsis thirumalacharii. Pavgi MS, et al. Pathol Microbiol (Basel) 35:297-303, 1970
Some interesting aberrations in teliospore germination of Entyloma eleocharidis. Pavgi MS, et al. Pathol Microbiol (Basel) 34:375-8, 1969
Filamentation and endogenous sporulation in Cryptococcus neoformans. Gordon MA, et al. Sabouraudia 8:227-34, Nov 70
Germination of blastospores of Histoplasma capsulatum. Yen CM, et al. Sabouraudia 8:242-52, Nov 70
Self-inhibitor of bean rust uredospores: methyl 3,4-dimethoxycinnamate. Macko V, et al. Science 170:539-40, 30 Oct 70
Trapping of unreplicated phage DNA into spores of Bacillus subtilis and its stabilization against damage by 32P decay. Sonenshein AL. Virology 42:468-95, Oct 70
[Spore germination of Clostridium tyrobutyricum. I. Action of different compounds on the initial phase] Bergère JL. Ann Inst Pasteur (Paris) 117:179-95, Aug 69 (Fre)
[Sporulation medium for Clostridium perfringens] Tahon-Cstei BH, et al. Ann Inst Pasteur Lille 20:163-5, 1969 (Fre)
[Sporulation and virulence of Bacillus anthracis in opened and unopened animal carcasses] Toschkoff A, et al. Arch Exp Veterinaermed 24:1153-60, 1970 (Ger)
[Inhibition of germination and growth of Trichophyton verrucosum by repeated illumination] Buchnaček J. Mykosen 12:321-8, 1 May 69 (Ger)
[New data on the spore tubule formation of Candida albicans in various human and animal serums] Toyosi JO, et al. Mykosen 14:49-51, 1 Jan 71 (Ger)
[Sporulation behavior of Bacillus megaterium during carbohydrate starvation] Kretschmer S. Z Allg Mikrobiol 11:113-20, 1971 (Ger)
[The control of bunt spore germination and sporidium formation in Tilletia caries (DC) Tul. due to external fators. I. Th effect of storage temperature of bunt spores on the course of germination] Schauz K. Zentralbl Bakteriol [Naturwiss] 124:739-42, 1970 (Ger)
[Chlamydospore formation and its application for rapid identification of budding fungi] Möller HL, et al. Zentralbl Bakteriol [Orig] 203:463-15, 1967 (Ger)
[Electron microscopic study of the process of spore formation in Micropolyspora rectivirgula] Dorokhova LA, et al. Izv Akad Nauk SSSR [Biol] 5:733-7, Sep-Oct 70 (Rus)
[Characteristics of the processes accompanying the germination of Actinomyces streptomycini B-6 conidia] Kalakutskii LV, et al. Izv Akad Nauk SSSR [Biol] 4:593-9, Jul-Aug 70 (Rus)
[Electron microscopic study of spore formation in Micromonospora vulgaris] Dorokhova LA, et al. Mikrobiologiia 39:680-4, Jul-Aug 70 (Rus)
[Spore germination in actinomycetes] Kalakutskii LV, et al. Mikrobiologiia 38:834-41, Sep-Oct 69 (Rus)

IMMUNOLOGY

[Experiments on serologic tumor diagnosis, using spore-forming bacteria (II)] Möse JR, et al. Z Krebsforsch 74:91-9, 1970 (Ger)
[The suitability of spore-forming organisms for a serological method for tumor diagnosis] Möse JR. Zentralbl Bakteriol [Orig] 213:240-58, 1970 (Ger)

ISOLATION & PURIFICATION

The Toxoplasma gondii oocyst from cat feces. Dubey JP, et al. J Exp Med 132:636-62, 1 Oct 70
Fungal spores in the air, asthma and respiratory disorders. Walker J. Med J Aust 1:661, 20 Mar 71
Electronic particle counting of zoospores of Aphanomyces euteiches. Schoulties CL, et al. Mycologia 63:169-71, Jan-Feb 71
Harvest and survival of aspergillus fumigatus Fresenius spores. Richard JL, et al. Mycopathol Mycol Appl 43:165-8, 19 Feb 71
A glutinous rice culture medium for demonstration of chlamydospores of Candida albicans. Sukroongreung S. Mycopathol Mycol Appl 43:329-35, 25 Mar 71
[The microbiological purity of starch] Gerritsen GA, et al. Pharm Weekbl 105:1069-71, 18 Sep 70 (Dut)
[Demonstration of Candida albicans chlamydospores in the dermatological specimen] Schönborn C, et al. Mykosen 14:119-25, 1 Mar 71 (Ger)
[Diagnosis of mushroom poisoning by concentration of spores found in gastro-intestinal contents and feces] Machbert G, et al. Z Rechtsmed 68:115-23, 1971 (Ger)

METABOLISM

Role of tricarboxylic acid cycle in bacterial sporulation. Singh RM. Biochem Biophys Res Commun 39:651-4, 22 May 70
Tryptophan catabolism during sporulation in Bacillus cereus. Prasad C, et al. Biochem J 119:343-9, Sep 70
Induction of enzymes in dormant spores of Aspergillus oryzae. II. Effects of some aliphatic and aromatic alcohols. Sinoara H. Biochim Biophys Acta 224:541-52, 14 Dec 70
The effect of cochliodinol, a metabolite of Chaetomium cochliodes, on the respiration of microspores of Fusarium oxysporum. Meller D, et al. Can J Microbiol 17:83-6, Jan 71
Dielectric study of the physical state of electrolytes and water within Bacillus cereus spores. Carstensen EL, et al. J Bacteriol 107:106-13, Jul 71
Velocity of chromosome replication in thymine-requiring and independent strains of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bacillus subtilis. Ephrati-Elizur E, et al.
J Bacteriol 106:58-64, Apr 71
In vitro ribonucleic acid synthesis in the zoospores of the aquatic fungus Blastocladiella emersonii. Horgen PA. J Bacteriol 106:281-2, Apr 71
Ribosomal competence and spore germination in Fusarium solani. Rado TA, et al.
J Bacteriol 106:301-4, May 71
Repair of radiation damage to deoxyribonucleic acid in germinating spores of Bacillus subtilis. Terano H, et al. J Bacteriol 106:925-30, Jun 71
Developmental regulation of amino acid transport in Neurospora crassa. Tisdale JH, et al.
J Bacteriol 104:689-97, Nov 70
Timing of mucopeptide and phospholipid synthesis in sporulating Bacillus megaterium. Pitel DW, et al.
J Biol Chem 246:3720-4, 10 Jun 71
Mucopeptide metabolism during growth and sporulation in Bacillus megaterium. Pitel DW, et al.
J Biol Chem 245:6711-7, 25 Dec 70
Biochemical studies of bacterial sporulation and germination. 23. Nucleotide metabolism during spore germination. Setlow P, et al.
J Biol Chem 245:3645-52, 25 Jul 70
Biochemical studies of bacterial sporulation and germination. XXII. Energy metabolism in early stages of germination of Bacillus megaterium spores. Setlow P, et al. J Biol Chem 245:3637-44, 25 Jul 70
Ribonucleic acid synthesis during fungal spore germination. Hollomon DW.
J Gen Microbiol 62:75-87, Jul 70
Profiles of soluble protein during sporulation of Bacillus subtilis. Waites WM, et al.
J Gen Microbiol 61:311-7, Jun 70
Ribosomal RNA synthesis is turned off during sporulation of Bacillus subtilis. Hussey C, et al.
J Mol Biol 57:59-70, 14 Apr 71
Possible roles for antibiotics and other biologically active peptides at specific stages during sporulation of Bacillaceae. Hodgson B. J Theor Biol 30:111-9, Jan 71
Cysteine oxidation and annulment of amphotericin B inhibition of Coccidioides immitis. Sippel JE, et al.
Sabouraudia 8:212-6, Nov 70
[Activation of spore homogenates by heat treatment. VII. Contribution to the causal analysis of heat activation of spores of Phycomyces blakesleeanus] Rudolph H, et al. Arch Mikrobiol 72:175-81, 1970 (Ger)
[Free amino acids and gramicidin C concentration during germination of Bac. brevis R-variant spores] Egorov NS, et al.
Mikrobiologiia 39:331-6, Mar-Apr 70 (Rus)
[The effect of various sources of nitrogen nutrition on the germination of conidida of fungi of the genus Penicillium from the section Asymmetrica] Pashkevich RIu.
Mikrobiol Zh 31:459-64, Sep-Oct 69 (Ukr)
[Hydrocarbon oxidation by germinating spores of several microscopic fungi] Zaĭchenko AM, et al.
Mikrobiol Zh 31:614-8, Nov-Dec 69 (Ukr)

RADIATION EFFECTS

The radiosensitivity of a bacterial spore which survives all normal sterilization procedures. Dewey DL.
Br J Radiol 44:565, Jul 71
Effect of irradiation temperature in the range--196 to 95C on the resistance of spores of Clostridium botulinum 33A in cooked beef. Grecz N, et al.
Can J Microbiol 17:135-42, Feb 71
Radiation survival of bacterial spores in neutral and acid ice. Grecz N, et al.
Can J Microbiol 16:1045-9, Nov 70
Factors affecting the radiation resistance of dried bacterial spores. Shoesmith JG.
Guys Hosp Rep 119:185-94, 1970
Radiation responses of fern spores during their first cell-cycle. Howard A, et al.
Int J Radiat Biol 18:147-58, 1970
Gamma-ray-induced spore germination of Dictyostelium discoideum. Khoury AT, et al.
J Bacteriol 104:1022-3, Nov 70
Genetic classification of the lethal effects of various agents on heterokaryotic spores of Phycomyces. Cerdá-Olmedo E, et al. Mutat Res 9:369-84, Apr 70
Effect of radiation on the germination of spores of Dictyostelium discoideum. Hashimoto Y.
Nature (Lond) 231:316-7, 4 Jun 71
Effect of radiation on the spore germination of the cellular slime mold Dictyostelium discoideum. Hashimoto Y, et al. Radiat Res 44:649-59, Dec 70

SPOROTRICHOSIS (C1)

Sporotrichoid infection caused by a Mycobacterium. Shapiro L. Arch Dermatol 103:555-6, May 71
Sporotrichosis in childhood: report of ten cases. Orr ER, et al. J Pediatr 78:951-7, Jun 71
Sporotrichosis. A report of 21 cases. Becker FT, et al.
Minn Med 53:851-3, Aug 70
Sporotrichosis in New Zealand: a case report. Black H, et al. NZ Med J 68:27-30, Jul 68
[Interdigital sporotrichosis of the foot] Rollier R, et al.
Bull Soc Fr Dermatol Syphiligr 76:193-4, 1969 (Fre)
[Sporotrichosis] Guimaraes NA.
Maroc Med 48:19-25, Jan 68 (Fre)
[The sporotrichosis] Itani Z.
Hautarzt 22:110-3, Mar 71 (Ger)
[Sporotrichosis] Fuyuki N.
Acta Dermatol (Kyoto) 65:217-8, Nov 70 (Jap)
[Sporotrichosis--4 cases with isolation of spores marked with streaks suggestive of cell wall or division line] Yamada M.
Acta Dermatol (Kyoto) 65:7-16, Feb 70 (Jap)
[Description of 4 patients with sporotrichosis] Leshchenko VM, et al.
Vestn Dermatol Venerol 44:80-5, Oct 70 (Rus)

COMPLICATIONS

Gummatous sporotrichosis. Urabe H, et al.
Int J Dermatol 9:301-3, Oct-Dec 70

DIAGNOSIS

Sporotrichosis. Arch Dermatol 102:576-7, Nov 70
[Comparative evaluation of polysaccharide and cellular antigens of Sporothrix schenckii] González Ochoa A, et al.
Rev Invest Salud Publica 30:303-15, Oct-Dec 70 (Spa)

DRUG THERAPY

Osseous sporotrichosis. Failure of treatment with potassium iodide and sulfadimethoxine and success with amphotericin B. Gladstone JI, et al.
Am J Med 51:121-33, Jul 71
[Treatment of sporotrichosis in children] Scappini JF, et al. Arch Argent Pediatr 68:370-1, Dec 70 (Spa)

ETIOLOGY

Sporotrichosis and sarcoidosis. Lynch PJ, et al.
Arch Dermatol 103:298-303, Mar 71
A new variant of Sporothrix schenckii. Ajello L, et al.
Mykosen 12:633-44, 1 Nov 69

IMMUNOLOGY

[Sporotrichosis in patients with previous positive sporotrichin reaction] Velasco O, et al.
Rev Invest Salud Publica 31:53-5, Jan-Mar 71 (Spa)

MICROBIOLOGY

Chronic pulmonary sporotrichosis: report of a case, including morphologic and mycologic studies. Smith AG, et al. Am J Clin Pathol 54:401-9, Sep 70

OCCURRENCE

Cutaneous sporotrichosis. Beer, bricks, and bumps. Sanders E. Arch Intern Med 127:482-3, Mar 71
Sporotrichosis in children. Report of an epidemic. Dahl BA, et al. JAMA 215:1980-2, 22 Mar 71
Epidemic sporotgrichosis. Powell K, et al.
JAMA 217:340, 19 Jul 71
Beware, the Sporothrix. Vaisrub S.
JAMA 215:1976, 22 Mar 71
[Biotopology and dimorphism of Sporotrichum schenckii (Hetkoen and Perkins 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:365-80, May-Jun 70 (Fre)

PATHOLOGY

Chronic pulmonary sporotrichosis: report of a case, including morphologic and mycologic studies. Smith AG, et al. Am J Clin Pathol 54:401-9, Sep 70
Sporotrichum schenckii endophthalmitis. Cassady JR, et al. Arch Ophthalmol 85:71-4, Jan 71
Intraocular sporotrichosis. Report of a case. Levy JH.
Arch Ophthalmol 85:574-9, May 71
[Association of skin and lung localization in Schenk's sporotrichosis] Jovičić B, et al.
Berufsdermatosen 18:343-9, Dec 70 (Ger)

VETERINARY

Sporotrichosis in a dog: a case report. Berry JM, et al.
Vet Med Small Anim Clin 66:226 passim, Mar 71

SPOROTRICHUM (B5)

A comparison of some Ceratocystis species with Sporothrix schenckii. Taylor JJ.
Mycopathol Mycol Appl 42:233-40, 29 Dec 70

ANALYSIS

Isolation and purification of a peptido-rhamnomannan from the yeast form of Sporothrix schenckii. Structural and immunochemical studies. Lloyd KO, et al. J Immunol 107:663-71, Sep 71

ANATOMY & HISTOLOGY

[Morphological study of the parasitic phase of Sporotrichum scheckii (Hetkoen and Perkins, 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:881-9, Nov-Dec 70 (Fre)

CLASSIFICATION

Further clarification of Sporotrichum species. Taylor JJ. Mycologia 62:797-825, Jul-Aug 70
The genus Sporotrichum, a new classification based on growth in tissue culture cells. Grose ES, et al.
Zentralbl Bakteriol [Naturwiss] 124:369-3, 1970
[Taxinomy. Synonymy. History and geographical distribution of Sporotrichum schenckii (Hetkoen and Perkins, 1900) by photonic microscopy] Thibaut M.
Ann Parasitol Hum Comp 46:93-102, Jan-Feb 71 (Fre)

CYTOLOGY

Electron microscopy of the yeast to mycelial phase conversion of Sporotrichum schenckii. Lane JW, et al.
Can J Microbiol 16:747-9, Aug 70
The nature of the secondary conidia of Sporothrix schenckii. Taylor JJ.
Mycopathol Mycol Appl 41:379-82, 4 Dec 70
[The lomasomes of Sporotrichum schenckii] Ansel M, et al.
Ann Parasitol Hum Comp 44:797-810, Nov-Dec 69 (Fre)
[Research on the ultrastructure of the yeast form of Sporotrichum schenckii (Hetkoen and Perkins, 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:877-97, Sep-Oct 70 (Fre)
[Research on the ultrastructure of the mycelial phase of Sporotrichum schenckii (Hetkoen and Perkins, 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:899-760, Sep-Oct 70 (Fre)
[Ultrastructure of myelin bodies in Sporotrichum schenckii (Hetkoen and Perkins, 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:477-96, Jul-Aug 70 (Fre)
[Morphologic study of mycelian phases of Sporotrichum schenckii (Hetkoen and Perkins, 1900) in photonic microscopy] Thibaut M.
Ann Parasitol Hum Comp 45:509-16, Jul-Aug 70 (Fre)
[Sporotrichosis--4 cases with isolation of spores marked with streaks suggestive of cell wall or division line] Yamada M.
Acta Dermatol (Kyoto) 65:7-16, Feb 70 (Jap)

DRUG EFFECTS

Lysis of zoopathogenic fungi by streptomycetes. Howard DH, et al. Can J Microbiol 17:521-3, Apr 71

GROWTH & DEVELOPMENT

[Morphological study of the yeast-like phase of Sporotrichum schenkii (Hetkoen and Perkins, 1900) by photonic microscopy] Thibaut M.
Ann Parasitol Hum Comp 46:81-91, Jan-Feb 71 (Fre)

IMMUNOLOGY

[Comparative evaluation of polysaccharide and cellular antigens of Sporothrix schenckii] González Ochoa A, et al.
Rev Invest Salud Publica 30:303-15, Oct-Dec 70 (Spa)

ISOLATION & PURIFICATION

A new variant of Sporothrix schenckii. Ajello L, et al.
Mykosen 12:633-44, 1 Nov 69
[Biotopology and dimorphism of Sporotrichum schenckii (Hetkoen and Perkins 1900)] Thibaut M.
Ann Parasitol Hum Comp 45:365-80, May-Jun 70 (Fre)

METABOLISM

[Cytologic aspects of some elements of metabolism in Sporotrichum] Thibaut M, et al.
Ann Parasitol Hum Comp 45:497-507, Jul-Aug 70 (Fre)

SPOROZOA (B1)

Electron microscopic comparison of Babesia spp. and hepatic changes in ponies and mice. Simpson CF.
Am J Vet Res 31:1763-8, Oct 70
Microsporidian infection of a marine nematode, metoncholaimus scissus. Hopper BE, et al.
J Invertebr Pathol 16:371-7, Nov 70
Nosematosis in carnivores. Vavra J, et al.
J Parasitol 57:923-4, Aug 71
Ifection of Rhipicephalus appendiculatus ticks with Theileria parva, using a rabbit's head perfusion technique. Irvin AD, et al. Res Vet Sci 11:493-5, Sep 70
An outbreak of encephalomyelitis in broiler rabbits caused by Nosema cuniculi. Pattison M, et al.
Vet Rec 88:404-5, 10 Apr 71
[Trial of a therapeutic agent against nosematosis] Fritzsch W.
Arch Exp Veterinaermed 24:951-84, 1970 (Ger)
[Seasonal appearance of ticks and piroplasms in domestic animals in the Asiatic provinces of Turkey] Hoffmann G, et al.
Berl Munch Tieraerztl Wochenschr 84:152-6, 15 Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Retention of Piroplasma caballi virulence in latent foci] Koniukhov MP. Veterinariia 7:68-9, Jul 70 (Rus)

ANALYSIS

Crystalline inclusions in Leucocytozoon simondi. Desser SS, et al. Can J Zool 49:134-5, Jan 71

CLASSIFICATION

A contribution to the study of the haematozoon parasites of bats. A new mammalian haemoproteid, Polychromophilus deanei n. sp. Garnham PC, et al. Mem Inst Oswaldo Cruz 69:119-27, 1971

A new malaria parasite in Hylopetes alboniger Hodgson. Dasgupta B, et al. Parasitology 62:195-7, Apr 71

Serological evidence for the identification of Babesia major in Britain. Brocklesby DW, et al. Res Vet Sci 12:285-7, May 71

The problem of toxoplasmosis in Amphibia. II. (Protozoa, Sporozoa). Costa SC da, et al. Rev Bras Biol 30:367-70, Sep 70

[Notes on haemogregarins of Brazilian serpents. X. New parasitic species of Hydrodynastes gigas (D. and B.) and Corallus hortulanus (L.)] Pessôa SB, et al. Rev Bras Biol 30:351-4, Sep 70 (Por)

CYTOLOGY

Differentiation of Babesia gibsoni and Haemobartonella canis. Ewing SA. Am J Vet Res 31:2109-10, Nov 70

Modification of Field's stain for examination of growth forms of Babesia gibsoni. Fowler JL, et al. Am J Vet Res 31:2110-1, Nov 70

Ultramicroscopical appearance of Pneumocystis carinii. Claireaux AE. Arch Dis Child 45:709, Oct 70

Ultrastructural observations on four species of sporozoa. Stehbens WE, et al. J Parasitol 54:699-710, Aug 68

The fine structure of the sporozoite of Lankesteria culicis. Sheffield HG, et al. J Protozool 18:98-105, Feb 71

Ultrastructure of Cryptosporidium wrairi from the guinea pig. Vetterling JM, et al. J Protozool 18:248-60, May 71

The fine structure of intra-erythrocytic stages of Nuttallia (Babesia) microti. MacMillan WG, et al. Res Vet Sci 12:185-6, Mar 71

Ultrastructural study of characteristic organelles (paired organelles, micronemes, micropores) of sporozoa and related organisms. Scholtyseck E, et al. Z Parasitenkd 34:97-127, 1970

Fine structure of macrogametes and oocysts of Coccidia and related organisms. Scholtyseck E, et al. Z Parasitenkd 37:1-43, 1971

The fine structure of babesia microti in the natural host, microtus agrestis. Molyneux DH, et al. Z Tropenmed Parasitol 21:393-401, Dec 70

[Cytochemical studies on the fine structure of Klossia helicina (Coccidia, Adeleidea). 3. Electron microscopical evidence of mucopolysaccharides and "Coccidia-glykogen"] Schulte E. Z Parasitenkd 36:193-205, 1971 (Ger)

[Cytochemical studies of the fine structure of Klossia helicina (Coccidia, Adeleidea). I. Morphology and cultivation of Klossia helicina] Schulte E. Z Parasitenkd 36:140-57, 1971 (Ger)

ENZYMOLOGY

Carbohydrate metabolism in Babesia rodhaini: investigations with 14C-labeled substrates and enzyme assays. Rickard MD. Exp Parasitol 28:512-20, Dec 70

GROWTH & DEVELOPMENT

A microsporidan infection of Anopheles gambiae Giles, from Tanzania, interpretation of its mode of transmission and notes on Nosema infections in mosquitoes. Canning EU, et al. J Protozool 17:531-9, Nov 70

Cryptosporidium wrairi sp. n. from the guinea pig Cavia porcellus, with an emendation of the genus. Vetterling JM, et al. J Protozool 18:242-7, May 71

The effect of a milk diet upon Plasmodium berghei, Nuttallia (=Babesia) rodhaini and Trypanosoma brucei infections in mice. Nowell F. Parasitology 61:425-33, Dec 70

[Light microscopy studies on the development of Babesia ovis (Piroplasmides) in Rhipicephalus bursa (Ixodoidea). II. Cytochemical studies of differentiated merozoites in the salivrry glands of female ticks] Weber G, et al. Z Parasitenkd 35:218-33, 1971 (Ger)

[Note on haemogregarines from Brazilian snakes. On a new species of the genus Haemogregarina (S.S.), parasite of Thamnodynayes pallidus nattereri (Thumberg) and its development in mosquitoes] Pessôa SB, et al. Rev Lat Am Microbiol 13:29-32, Jan-Mar 71 (Por)

[Cultivation of Encephalitozoon (Nosema) cuniculi microsporidia in cultures of human and mouse embryo fibroblasts] Chumakov MP, et al. Med Parazitol (Mosk) 39:643-7, Nov-Dec 70 (Rus)

[The possibility of Encephalitozoon cuniculi multiplication in chick fibroblast cultures] Kaliakin VN, et al. Med Parazitol (Mosk) 39:647-50, Nov-Dec 70 (Rus)

[Notes on hemogregarines of Brazilian snakes. X. Hemogregarines of Hydrogynastes gigas (Duméril and Bibron) and its development] Pessôa SB, et al. Rev Lat Am Microbiol 12:197-200, Oct-Dec 70 (Spa)

IMMUNOLOGY

Some aspects on immunity to Akiba caulleryi infection in chickens. Morii T, et al. Natl Inst Anim Health Q (Tokyo) 10:151-9, Fall 70

[Transfer and persistence of antibodies to Babesia bigemina and Anaplasma marginale acquired via the colostrum] Ross JP, et al. Z Tropenmed Parasitol 21:401-11, Dec 70 (Ger)

ISOLATION & PURIFICATION

Babesia species isolated from a woman with clinical babesiosis. Ristic M, et al. Am J Trop Med Hyg 20:14-22, Jan 71

Besnoitia darlingi in the opossum (Didelphis marsupialis). Piatt RE, et al. Lab Anim Sci 21:106-9, Feb 71

Morphology and distribution of intracellular schizonts in chickens experimentally infected with Akiba caulleryi. Akiba K, et al. Natl Inst Anim Health Q (Tokyo) 11:109-21, Summer 71

[Current state of the problem of nosematosis of mammals] Zasukhin DN, et al. Med Parazitol (Mosk) 38:317-20, May-Jun 69 (Rus)

PATHOGENICITY

Large Babesia species transmitted to splenectomized calves by field collections of British ticks (Haemaphysalis punctata). Brocklesby DW, et al. Nature (Lond) 228:1215, 19 Dec 70

RADIATION EFFECTS

Immunity of rats and mice following injection with 60Co irradiated Babesia rodhaini infected red cells. Phillips RS. Parasitology 62:221-31, Apr 71

Resistance of mice and rats to Babesia rodhaini challenge after inoculation with irradiated B. rodhaini infected red cells. Phillips RS. Trans R Soc Trop Med Hyg 64:470, 1970

SPOROZOA INFECTIONS see under PROTOZOAN

INFECTIONS (C1)

SPORT MEDICINE (G2)

see also related
ATHLETIC INJURIES (C14)
PROTECTIVE DEVICES (E5, J)

Cardiovascular observations on Tarahumara Indian runners--the modern Spartans. Groom D. Am Heart J 81:304-14, Mar 71

Cardiovascular observations on Tarahumara Indian runners--the modern Spartans. Groom D. Am Heart J 8:304-14, Mar 71

T wave abnormalities in the electrocardiograms of top-ranking athletes without demonstrable organic heart disease. Hanne-Paparo N, et al. Am Heart J 81:743-7, Jun 71

The relationship between basketball shooting performance and certain visual attributes. Beals RP, et al. Am J Optom 48:585-90, Jul 71

Diet and athletics. Hyman M. Br Med J 4:52, 3 Oct 70

Reaching the top. Br Med J 4:128, 17 Oct 70

Athletes' deaths. Br Med J 4:4, 3 Oct 70

Serum glycoprotein levels in athletes in training. Haralambie G, et al. Experientia 26:959-60, 26 Sep 70

Correction of ametropia in skin and scuba divers. Williamson DE. Eye Ear Nose Throat Mon 49:165-71, Apr 70

Personal points of views--sports medicine. Fraser J. Health Bull (Edinb) 29:172, Jul 71

Visual response time changes in athletes during physical effort. Malomsoki J, et al. Int Z Angew Physiol 29:65-72, 1970

Effect of vitamin C supplementation upon the physiological response to exercise in trained and untrained subjects. Bailey DA, et al. Int Z Vitaminforsch 40:435-41, 1970

Maximal oxygen uptake at sea level and at 3,090-m altitude in high school champion runners. Dill DB, et al. J Appl Physiol 30:854-9, Jun 71

Cardiac outputs during maximum effort running and swimming. Dixon RW Jr, et al. J Appl Physiol 30:653-6, May 71

Capillary density of skeletal muscle in well-trained and untrained men. Hermansen L, et al. J Appl Physiol 30:860-3, Jun 71

Diet, muscle glycogen, and endurance performance. Karlsson J, et al. J Appl Physiol 31:203-6, Aug 71

Renin, norepinephrine, and epinephrine responses to graded exercise. Kotchen TA, et al. J Appl Physiol 31:178-84, Aug 71

Metabolic and cardiorespiratory response during free swimming and treadmill walking. McArdle WD, et al. J Appl Physiol 30:733-8, May 71

Disclosure by dietary modification of an exercise-induced protein catabolism in man. Molé PA, et al. J Appl Physiol 31:185-90, Aug 71

Sports medicine. Singh M. J Assoc Physicians India 18:703-7, Aug 70

Treatment of tennis elbow with forearm support band. Froimson AI. J Bone Joint Surg [Am] 53:183-4, Jan 71

The practical aspects of diving medicine. Morris JW. J Fla Med Assoc 58:24-7, Mar 71

Altitude and skiing. Stiles MH. J Maine Med Assoc 62:139-41, Jun 71

Medical aspects of skiing. Stiles MH. J Maine Med Assoc 62:136-8, Jun 71

Motor racing. Eaton KK. J R Coll Gen Pract 20:39-42, Jul 70

The medical aspects of professional association football. Phillips N. J R Coll Gen Pract 19:349-52, Jun 70

Sports medicine. XII. The athlete's "nerves". Ryde D. J R Coll Gen Pract 21:161-3, Mar 71

Pre-game meals: a discussion. Hirata I Jr. J Sch Health 40:409-13, Oct 70

Contact lenses and the athlete. Koetting RA. J Sch Health 41:75-7, Feb 71

Choice of the psychosomatic training for sportmen. De Winter E. J Sports Med Phys Fitness 10:254-9, Dec 70

Application of long-term medical examination results to the training system of cyclists. Piacheta Z, et al. J Sports Med Phys Fitness 11:52-8, Mar 71

Considerations concerning the neuro-endocrine characterization of sportsmen. Ulmeanu FC. J Sports Med Phys Fitness 10:133-7, Sep 70

Haemoglobin, packed cell volume, serum iron and iron binding capacity of selected athletes during training. Wijn JF de, et al. J Sports Med Phys Fitness 11:42-51, Mar 71

A team approach to sports medicine. Fried T, et al. JAMA 216:1777-8, 14 Jun 71

Iowa wrestling study. Weight loss in high school students. Tipton CM, et al. JAMA 214:1269-74, 16 Nov 70

The stress of racing driving. Falkner F. Lancet 1:850, 27 Mar 71

Physiological aspects of the Edinburgh commonwealth games. Muir AL, et al. Lancet 2:1125-8, 28 Nov 70

Hyperlipidaemia induced by the stress of racing driving. Taggart P, et al. Lancet 1:854, 24 Apr 71

Physiological determinants in champion athletes and swimmers. Rebuck AS. Minn Med 54:409-11, Jun 71

Unicycle seat to spare prostate. Angel RW. N Engl J Med 285:181, 15 Jul 71

Podiatry for marathon runner. Sheehan GA. N Engl J Med 285:414, 12 Aug 71

Racecourse nurses. Cullinan J. Nurs Times 67:89-71, 21 Jan 71

Anemia during physical training (sports anemia). Yoshimura H. Nutr Rev 28:251-3, Oct 70

The use and abuse of drugs in athletics. Murphy RJ. Ohio State Med J 67:737-41, Aug 71

Useful results with Apiplex, a natural food product. Bertuglia P. Panminerva Med 13:24-6, Jan-Feb 71

Physiotherapy at the IXth British Commonwealth Games. Morrison CW. Physiotherapy 56:507-8, Nov 70

Injury and disease of scuba and skin divers. Johnston DG, et al. Postgrad Med 49:134-9, Apr 71

State and trait anxiety, achievement motivation and skill attainment in college women. Burton EC. Res Q Am Assoc Health Phys Educ 42:139-44, May 71

Effects of time, endurance, and scoring variables on tennis results. Jarrett J, et al. Res Q Am Assoc Health Phys Educ 41:383-8, Oct 70

Psychophysiologic responses to rotary motions. Johnson RE Jr, et al. Res Q Am Assoc Health Phys Educ 41:489-95, Dec 70

Aerobic capacity, heart rate and estimated energy cost during women's competitive basketball. McArdle WD, et al. Res Q Am Assoc Health Phys Educ 42:178-86, May 71

Heart rate recovery during a college basketball game. Ramsey JD, et al. Res Q Am Assoc Health Phys Educ 41:528-35, Dec 70

Effects of rapid weight reduction and subsequent rehydration upon the physical working capacity of wrestlers. Ribisl PM, et al. Res Q Am Assoc Health Phys Educ 41:536-41, Dec 70

Prevention and detection of drug taking ('doping') at the IX British Commonwealth Games. Scott Med J 16:364-8, Aug 71

The racecourse medical officer. Miles JR. Vet Rec 87:294-6, 5 Sep 70

[Anatomic and physiologic characteristics of the female with reference to sports] Merwe GW van der, et al. S Afr Med J 44:1064, 26 Sep 70 (Afr)

[Sports after myocardial infarct] Gottheiner V.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ann Cardiol Angeiol (Paris) 20:129-45, Mar-Apr 71 (Fre)
[Studies of the value of an exercise test in determination of fitness for sport parachuting] Evrard E. Brux Med 48:639-44, Oct 68 (Fre)
[Comprehensive recommendations for field sports] S'Jongers JJ, et al. Brux Med 51:491-9, Jul 71 (Fre)
[Diabetes and sports] Félix H, et al. Diabete Suppl:35-40, 28 Sep 68 (Fre)
[Evolution of the respiratory rhythm at the time of 1,500 meter runs] Rougier G, et al. J Physiol (Paris) 1:Suppl 1:172, 1969 (Fre)
[Double localizations of stress fractures] Weber J, et al. J Radiol Electrol Med Nucl 50:897-9, Dec 69 (Fre)
[Sports agony] Langeron L. J Sci Med Lille 86:237-9, Apr 68 (Fre)
[Medicine and doping] Doll PJ. Med Leg Domm Corpor (Paris) 2:228-35, Jul-Sep 69 (Fre)
[Death of a young athlete: possible role of doping. Apropos of 2 cases] Yacoub M, et al. Med Leg Domm Corpor (Paris) 3:275-7, Jul-Sep 70 (Fre)
[Influence of magnesium in sport medicine dietetics: its rôle in physical endurance and prevention of muscular disorders] Boursier B. Rein Foie 12:115-27, 1969-70 (Fre)
[The Military Medical Service at the 10th Winter Olympic Games: Grenoble 1968] Rachou, et al. Rev Corps Sante Armees 9:709-33, Dec 68 (Fre)
[Metabolic cost and physiologic effect of exertion and sport in handicapped] S'Jongers JJ, et al. Schweiz Z Sportmed 18:117-25, 1970 (Fre)
[Sport medicine] Lavallée H. Union Med Can 99:1799-800, Oct 70 (Fre)
[Experiences with an orthopedic device for releaving stress on the spine during knee bending exercises with heavy weights] Franke J, et al. Beitr Orthop Traumatol 17:712-4, 1970 (Ger)
[Spinal examinations in athletes] Jungmichel D, et al. Beitr Orthop Traumatol 17:690-1, Oct 70 (Ger)
[Spondylolisthesis and sport] Schmidt H. Beitr Orthop Traumatol 17:717-9, 1970 (Ger)
[Traumatism and chronic degenerative damages of the locomotor system in active athletes] Tschokanow K. Beitr Orthop Traumatol 17:714-7, 1970 (Ger)
[Blood circulation in the high capacity athlete during rest and exercise] Schneider KW, et al. Ergeb Inn Med Kinderheilkd 31:131-87, 1971 (291 ref.) (Ger)
[Bases of altered physical capacity in sport in middle altitudes] Keul J, et al. Hippokrates 40:897-903, 15 Dec 69 (Ger)
[Sports or physical training as a component of preventive and rehabilitative medicine] Hollmann W. Lebensversicherungsmedizin 23:7-11, Jan 71 (Ger)
[Nutrition of the 1st and 2nd rank athletes] Glatzel H. Med Klin 65:126-30, 16 Jan 70 (Ger)
[Over-exertion thrombosis of the axiliary vein and the subclavian vein] Saborowski F. Med Klin 65:1939-41, 30 Oct 70 (Ger)
[On the clinical differential diagnosis of funnel chest and its significance in sport medicine] Aigner A, et al. Med Welt 39:1703-6, 26 Sep 70 (Ger)
[Sudden death in sports] Jokl E, et al. Med Welt 8:296-9, 20 Feb 71 (Ger)
[Changes in the red blood picture on high altitude. Studies on participants of the Olympic Games in Mexico City, 1968] Keul J, et al. Med Welt 20:941-3, 16 May 70 (Ger)
[Sport medicine: medical care in practice] Frey P. Schweiz Z Sportmed 19:121-32, 1971 (Ger)
[Responsibilities and importance of sport medicine in Switzerland] Frey U. Schweiz Z Sportmed 18:3-5, 1970 (Ger)
[2 fragments of psychosomatic sport medicine] Hegg JJ. Schweiz Z Sportmed 19:193-201, 1971 (Ger)
[Carbohydrate and lipid metabolism in 15-km ski competition] Howald H, et al. Schweiz Z Sportmed 19:41-60, 1971 (Ger)
[Anabolic steroids and sports] Imhof P. Schweiz Z Sportmed 18:79-85, 1970 (Ger)
[Radiotelemetric heart frequency measurements in long distance ski competition] Imhof P, et al. Schweiz Z Sportmed 19:27-39, 1971 (Ger)
[Changes in plasma volume, hematocrit and body weight in long-distance skiers] Keller HM, et al. Schweiz Z Sportmed 19:61-74, 1971 (Ger)
[Heart rate and arterial glucose and lactate levels in fencers during training period] Keul J, et al. Schweiz Z Sportmed 18:93-100, 1970 (Ger)
[Radiotelemetric ECG recording during a 60m long sprint in 11- and 14-year-old children] Klimt F, et al. Schweiz Z Sportmed 18:101-15, 1970 (Ger)
[Gonarthrosis in the sportsman (as represented by a model of meniscus impairment)] Piderman G. Schweiz Z Sportmed 19:133-49, 1971 (Ger)
[Maximal performance in sportsmen] Saxer U. Schweiz Z Sportmed 19:85-120, 1971 (Ger)
[The possibility of psychopathologic complications in high-caliber sports] Schmidt P. Schweiz Z Sportmed 19:203-7, 1971 (Ger)
[Physician and sports] Schönholzer G. Schweiz Z Sportmed 18:49-51, 1970 (Ger)
[Problems of orthopedics in sports] Segesser B. Schweiz Z Sportmed 19:151-64, 1971 (Ger)
[Medical and pedagogic aims in youth sports] Weiss U. Schweiz Z Sportmed 18:53-5, 1970 (Ger)
[Biometric data during a 60-m-race as well as during an ergometric study] Klimt F, et al. Z Aerztl Fortbild (Jena) 65:270-8, 1 Mar 71 (Ger)
[Physical fitness examination in mass sports] Nemessuri M. Orv Hetil 111:2773-7, 22 Nov 70 (Hun)
[Evaluation of the vital capacity in young athletes] Bracci C, et al. Ann Ist Carlo Forlanini 29:188-92, 1969 (Ita)
[Nautical sports and dermatologic diseases] Sabatini C. Ann Med Nav (Roma) 74:155-62, Mar-Apr 69 (Ita)
[Comparison between work capacity evaluated by bicycle ergometer and by treadmill in cyclists, soccer players and normal non-athletic subjects] Zedda S, et al. Med Lav 61:452-68, Aug-Sep 70 (Ita)
[Coffee and sports] Fischbach E. Minerva Med 61:4367-9, 3 Oct 70 (Ita)
[Coffee and sport] Fischbach E. Minerva Med 61:4367-9, 3 Oct 70 (Ita)
[Abdominal pains of long distance runners] Nakamura S. Jap J Clin Med 29:801-10, Feb 71 (Jap)
[Anabolic steroids for athletes. Abbreviated edition of a contribution to a round-table conference of the Norwegian Sport Medicine Association 15 October 1970] Frey H. Tidsskr Nor Laegeforen 91:289-90, 10 Feb 71 (Nor)
["The long distance runner's knee"] Staff PH, et al. Tidsskr Nor Laegeforen 91:1231-3, 10 Jun 71 (Nor)
[Liver activity during considerable exertion in sports in the light of the bromosulphophthalein test] Fojt E, et al. Pol Arch Med Wewn 45:755-61, 1970 (Pol)
[Liver damage in a sportsman] Fojt E, et al. Pol Tyg Lek 26:916-7, 14 Jun 71 (Pol)
[Sport medicine] Areno W. Rev Bras Med 27:96, Feb 70 (Por)
[Tests in sport activities] Gomes GS. Rev Bras Med 28:112-5, Mar 71 (Por)
[On the action of neostigmine in recovery processes in athletes] Trancioveanu M, et al. Fiziol Norm Patol 17:261-8, 1971 (Rum)
[Interrelations of the indices of work capacity of the cardiovascular and respiratory systems and the blood composition of runners during muscular work of increasing magnitude] Piarnat IaP, et al. Fiziol Zh SSSR 56:1427-32, Oct 70 (Rus)
[Sanitary condition of sport halls in the children sport schools of Leningrad] Bakulin PP. Gig Sanit 35:85-6, Sep 70 (Rus)
[Phase structure of the diastole in sportsmen according to range-free ultrasonic location data] Voloshin VG, et al. Kardiologiia 10:113-7, Sep 70 (Rus)
[Chronic microtrauma in sportsmen (clinico-biochemical study)] Mironova ZS, et al. Ortop Travmatol Protez 32:62-6, Apr 71 (Rus)
[High T-wave of noncoronary genesis in sportsmen] Nikitina TN. Sov Med 33:137-9, 1970 (Rus)
[Sudden death of apparently healthy adolescents under the normal physical stress of sport activities] Lapitskif FG, et al. Sud Med Ekspert 13:16-8, Apr-Jun 70 (Rus)
[Correlation between the magnitude of forced expiration and inspiration] Tagaĭ VA. Ter Arkh 43:19-21, Jan 71 (Rus)
[Zones of reconstruction in the interarticular portions of lumbar vertebrae as an expression of disruption of adaptation to extensive loading] Mal'chenko OV. Vestn Rentgenol Radiol 45:74-9, Sep-Oct 70 (Rus)
[Vitamin A requirements of athletes] Borisov IM. Vopr Pitan 29:43-6, Nov-Dec 70 (Rus)
[Changes in human EEG during mental visualization of movement] Ivanova MP, et al. Zh Vyssh Nerv Deiat 21:624-6, May-Jun 71 (Rus)
[Iron administration to healthy, physically very active students] Böttiger LE, et al. Nord Med 85:396-8, 1 Apr 71 (Swe)
[Test to predict jumping performance] Ferry S, et al. Nord Med 85:700-1, 3 Jun 71 (Swe)
[Dark adaptation under gravitation loads in sportsmen] Popov GV, et al. Fiziol Zh 16:655-60, Sep-Oct 70 (Ukr)
[Some data on hemodynamics in skiers in mountains of medium high altitude] Sokolov IV. Fiziol Zh 14:760-7, Nov-Dec 68 (Ukr)
[Respiration, oxygen transportation function of the blood and oxygen consumption in heavy athletes] Stepanov IuV. Fiziol Zh 14:768-73, Nov-Dec 68 (Ukr)
[Problem] Keros P. Lijec Vjesn 92:709-11, 1970 (Cro)
[Injuries caused by boat propellers] Sužtić V, et al. Lijec Vjesn 92:663-7, 1970 (Cro)

HISTORY

[Boxing match in ancient Greece and Roman empire from the standpoint of a physician] Hornof Z. Cas Lek Cesk 110:520-4, 1971 (Cze)
[Development of sport-medical consulting center in Olomouc] Slavětínský M. Vnitr Lek 17:707-9, Jul 71 (Cze)
[Sport medicine themes] Areno W. Rev Bras Med 27:155-6, Mar 70 (Por)

SPORTS (E2)

see also related
ATHLETIC INJURIES (C14)

The relationship between basketball shooting performance and certain visual attributes. Beals RP, et al. Am J Optom 48:585-90, Jul 71
Horseback riding for the handicapped. Henriksen JD. Arch Phys Med Rehabil 52:282-3, Jun 71
Eye injury from exploding golf balls. Nelson C. Br J Ophthalmol 54:676-1, Oct 70
The community and sport participation. Khosla T. Br J Prev Soc Med 25:114-8, May 71
Athletes' deaths. Laurie W. Br Med J 4:492, 21 Nov 70
Streamlined athlete. Br Med J 2:294, 8 May 71
Maximal muscular power, aerobic and anaerobic, in 116 athletes performing at the XIXth olympic games in Mexico. Di Prampero PE, et al. Ergonomics 13:665-74, Nov 70
The somatotypes of athletes--a review. Carter JE. Hum Biol 42:535-69, Dec 70 (63 ref.)
Calling for the prevention of aquatic accidents. Krzvitz H. Ill Med J 139:534-5, May 71
Determinants of Marathon running success. Costill DL, et al. Int Z Angew Physiol 29:249-54, 1971
Veterinary Medicine at the racetracks. Edmondson AH. J Am Vet Med Assoc 157:1599-601, 1 Dec 70
anagement opportunities for equine practitioners. Jackson RS. J Am Vet Med Assoc 157:1595-8, 1 Dec 70
Ventilatory control in the athlete. Byrne-Quinn E, et al. J Appl Physiol 30:91-8, Jan 71
Racial differences in reactive versus self-paced sports activities. Worthy M, et al. J Pers Soc Psychol 16:439-43, Nov 70
Oxygen intake in track and treadmill running with observations on the effect of air resistance. Pugh LG. J Physiol (Lond) 207:823-35, May 70
Self-concept, sports interests, sports participation, and body type of seventh- and eighth-grade boys. Felker DW, et al. J Psychol 78:223-8, Jul 71
Selected personality characteristics of high school athletes and nonathletes. Fletcher R, et al. J Psychol 77:39-41, Jan 71
Item failure and performance on subsequent items of an achievement test. Terry RL, et al. J Psychol 77:29-32, Jan 71
Teaching in the difficult areas; implications for physical education and athletics. Haley PA. J Sch Health 41:88-90, Feb 71
Sibling-sex-status and ordinal position effects on females' sport participation and interests. Landers DM. J Soc Psychol 80:247-8, Apr 70
Vision and sporting results. Gavriysky V. J Sports Med Phys Fitness 10:260-4, Dec 70
The olympic ideology. Szymiczek O. J Sports Med Phys Fitness 10:193-7, Sep 70
A guidance device for a blind athlete. Balmer L. Med Biol Eng 8:301-7, May 70
Cricket: the bowler's feet. Marr SH. Med J Aust 1:967, 1 May 71
Cricket: the bowlers' feet. Parrish RJ. Med J Aust 1:661-2, 20 Mar 71
Application of the heart score concept to the electrocardiography of Olympic athletes. Steel JD, et al. Med J Aust 2:728-30, 17 Oct 70
Dope and doping. Clarke EG. Med Sci Law 9:218-23, Oct 69
The Mexico City Olympic Games. Preparation and performance. Stiles MH. Minn Med 54:9-15, Jan 71
"The spectator's heart". Carveth SW, et al. Nebr State Med J 55:610-3, Oct 70
Personality traits of women athletes as measured by the Edwards Personal Preference Schedule. Dayries JL, et al. Percept Mot Skills 30:229-30, Feb 70
Video feedback in learning beginning trampoline. James PE. Percept Mot Skills 32:669-70, Apr 71
Some thoughts on the symbolism of bullfights. Guarner E. Psychoanal Rev 57:18-28, 1970
Evaluation of general versus specific instruction of badminton skills to women of low motor ability. Burdeshaw D, et al. Res Q Am Assoc Health Phys Educ 41:472-7, Dec 70
Effect of hand spacing and rear knee angle on the sprinter's start. Jackson AS, et al. Res Q Am Assoc Health Phys Educ 41:378-82, Oct 70
Effects of time, endurance, and scoring variables on tennis results. Jarrett J, et al. Res Q Am Assoc Health Phys Educ 41:383-8, Oct 70
Stress reactivity in tennis players. Krahenbuhl GS. Res Q Am Assoc Health Phys Educ 42:42-6, Mar 71
An information processing approach to the study of a complex motor skill. Lindquist EL. Res Q Am Assoc Health Phys Educ 41:396-401, Oct 70
Influence of participation motivation on success and satisfaction in team performance. Martens R. Res Q Am Assoc Health Phys Educ 41:510-8, Dec 70
Comparative effects of judo and selected physical education activities on male university freshman personality traits. Pyecha J. Res Q Am Assoc Health Phys Educ 41:425-31, Oct 70
Effects of imitative resistance exercise and direct practice on handball serving skill. Railey JH. Res Q Am Assoc Health Phys Educ 41:523-7, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A mathematical model for evaluating scoring systems with specific reference to tennis. Schutz RW. Res Q Am Assoc Health Phys Educ 41:552-61, Dec 70
Personality traits of champion level female fencers. Williams JM, et al. Res Q Am Assoc Health Phys Educ 41:446-53, Oct 70
Fluid and electrolyte balance during the comrades marathon. Dancaster CP, et al. S Afr Med J 45:147-50, 6 Feb 71
Renal function in marathon runners. Dancaster CP, et al. S Afr Med J 45:547-51, 22 May 71
Walk of jog for health. II. Estimating the maximum aerobic capacity for exercise. Wyndham CH, et al. S Afr Med J 45:53-7, 16 Jan 71
Walk or jog for health. I. The energy costs of walking or running at different speeds. Wyndham CH, et al. S Afr Med J 45:50-3, 16 Jan 71
Mechanical efficiency of a champion walker. Wyndham CH, et al. S Afr Med J 45:551-3, 22 May 71
Comparison of somatotypes of selected groups of Czechoslovak sportsmen. Bavor M. Sb Ved Pr Lek Fak Karlovy Univ 13:57-71, 1970
Effects of observing athletic contests on hostility. Goldstein JH, et al. Sociometry 34:83-90, Mar 71
[A comparison beween athleticperformance in men and women] Merwe GW van der, et al. S Afr Med J 44:1067-9, 26 Sep 70 (Afr)
[Effect of training on levels of free thyroxine in athletes] Nayer P de, et al. Ann Endocrinol (Paris) 31:721-3, Jul-Aug 70 (Fre)
[Sports and the woman] Canu MF. Gynecol Prat 20:137-50, 1969 (Fre)
[Maximal oxygen consumption at altitude in resident and transplanted athletes] Coudert J, et al. J Physiol (Paris) 63:30A, Mar-Apr 71 (Fre)
[Physiologic adaptation in sports] Rieckert H. Aerztl Forsch 25:72-7, 10 Mar 71 (Ger)
[Chest muscle apiasia and sport fitness] Arndt KH. Beitr Orthop Traumatol 17:803-7, 1970 (Ger)
[Possibilities of physical exercise, physical education and sport in reference to orthopedic social welfare] Kegel B. Beitr Orthop Traumatol 17:511-6, 1970 (Ger)
[The importance of patient gymnastics and sport for the disabled in the rehabilitation of paraplegics] Koch I. Beitr Orthop Traumatol 17:516-27, 1970 (Ger)
[Sports and physical fitness in men, aged 40 to 50 years] Bauer HR. Dtsch Med Wochenschr 95:1923-5, 18 Sep 70 (Ger)
[Value of walking for the health] Stegemann J. Dtsch Med Wochenschr 96:456, 9 Apr 71 (Ger)
[Sports following vaccination] Vivell O. Dtsch Med Wochenschr 96:766-7, 23 Apr 71 (Ger)
[Comparison of timing methods in sprinting] Singer R, et al. Int Z Angew Physiol 29:224-33, 1971 (Ger)
[Heart rate and mental stretch in gliding] Clasing D, et al. Med Welt 19:808-11, 8 May 71 (Ger)
[On the sympathico-adrenal reaction in training and competition in various sports] Nowacki P, et al. Med Welt 39:1682-8, 26 Sep 70 (Ger)
[Energy metabolism of performance athletes under competitive conditions] Schmidt H, et al. Med Welt 39:1675-81, 26 Sep 70 (Ger)
[Telemetry in a 2000m race as endurance test] Clasing D. Munch Med Wochenschr 44:Suppl 44:3, 30 Oct 70 (Ger)
[Emergency health service planning for the Olympic Games 1972] Munch Med Wochenschr 42:4, 16 Oct 70 (Ger)
[Directed recreational programs in the field of rehabilitation with health educational aspects] Brandau G. Oeff Gesundheitswes 33:268-72, May 71 (Ger)
[Sports as therapy of Bechterew's disease] Jung I. Schweiz Med Wochenschr 101:283-8, 27 Feb 71 (Ger)
[The spinal column and sports in youth] Morscher E. Schweiz Z Sportmed 17:151-62, 1969 (Ger)
[Mathematico-statistical model of an analysis of biorhythm in high-caliber sports] Müller H. Schweiz Z Sportmed 19:221-8, 1971 (Ger)
[Sports psychology in Switzerland] Schilling G. Schweiz Z Sportmed 19:209-20, 1971 (Ger)
[Medical and pedagogic aims in youth sports] Weiss U. Schweiz Z Sportmed 18:53-5, 1970 (Ger)
[The theory of performance in sport] Weiss U, et al. Schweiz Z Sportmed 19:17-28, 1971 (Ger)
[Sports as prevention in medicine] Oberbauer W. Wien Med Wochenschr 120:784-8, 7 Nov 70 (Ger)
[Acceleration and sports] Prokop L. Z Allgemeinmed 46:1123-7, 10 Aug 70 (Ger)
[Sports and training in higher period of life] Harnisch H. Zahnaerztl Mitt 61:607-12, 11 Jun 71 (Ger)
[On the effects of various sports activities on blood flow of the extremities] Garbini GC, et al. Boll Soc Ital Cardiol 15:591-9, 1970 (Ita)
[Feeding of the young athlete. The benefits of the natural food "Apipiex"] Bertuglia P. Minerva Med 61:Suppl 87:30-2, 26 Oct 70 (Ita)
[Physical education and training of athletes in the Netherlands] Minerva Med Suppl 95:17-8, 27 Nov 70 (Ita)
[Children and sports today] Tatafiore E. Riv Clin Pediatr 81:1099-100, Nov-Dec 68 (Ita)
[Sports fan and the risk of myocardial infarct] Chrobok H, et al. Wiad Lek 24:813-8, 1 May 71 (Pol)
[Green areas, sport and children's areas in planning and building cities] Mashinskif LO. Gig Sanit 36:11-6, 1971 (Rus)
[Physical training. 4. Medical advice and control in training and competition] Sjöstrand T. Lakartidningen 67:4558-62, 30 Sep 70 (Swe)
[Model of training] Nord Med 85:66, 14 Jan 71 (Swe)

ADVERSE EFFECTS

Athletic activity in adolescence as an etiological factor in degenerative hip disease. Murray RO, et al. J Bone Joint Surg [Br] 53:406-19, Aug 71
[Prospects and hazards of physical exercise in cerebrovascular diseases] Steinbach M. Med Welt 39:1699-702, 26 Sep 70 (Ger)
[How dangerous are performance and competitive sports?] Groh H. Munch Med Wochenschr 113:380-3, 12 Mar 71 (Ger)
[Aspects of the physiopathology of competitive sports activities in cardiology] Lubich T, et al. Boll Soc Ital Cardiol 15:577-90, 1970 (Ita)

HISTORY

Home front, battle field, and sport during the Civil War. Betts JR. Res Q Am Assoc Health Phys Educ 42:113-32, May 71

SPRAINS AND STRAINS (C14)

Bone strain in the tibia during normal quadrupedal locomotion. Lanyon LE, et al. Acta Orthop Scand 41:238-48, 1970
The ankle sprain. Glickstein M. JAMA 215:980-1, 8 Feb 71
[Pathological and clinical study on Kienboeck's disease] Inoue T. J Jap Orthop Assoc 44:1035-61, Dec 70 (Jap)
[Pathological reconstruction of the metatarsal bones as a consequence of excessive loading] Kramarenko GN. Ortop Travmatol Protez 32:60-4, Jan 71 (Rus)

COMPLICATIONS

[Sequelae of tibio-tarsal sprains] Voutey H. Rhumatologie 23:69-86, Mar 71 (Fre)
[Reflex neurodystrophy of the lower limb in private insurance against accidents] Maraflioti Renzi E, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1589-96, 1968 (Ita)

DIAGNOSIS

[Diagnosis and expertise in "march periostitis"] Ivanova LA. Voen Med Zh 12:30-2, Dec 70 (Rus)

DRUG THERAPY

Tibial collateral ligament strain. Casscells SW. Clin Orthop 76:123-4, May 71

RADIOGRAPHY

[Radiodiagnosis of static strain and rupture of the lateral ligaments of the knee joint] Chernov AP. Ortop Travmatol Protez 31:75-6, Jul 70 (Rus)
[Use of arthropneumography for diagnosing injury to the lateral ligaments of the knee joint] Merkulova RI. Vestn Khir 105:87-90, Dec 70 (Rus)

SURGERY

[Immediate ligament repairs in external sprains of tibiotarsal joint] Blanchet A. Lyon Chir 67:139-40, Mar-Apr 71 (Fre)
[Surgical treatment of habitual ankle joint distorsions by means of pricking with an electric needle] Ziegler R. Beitr Orthop Traumatol 17:411-4, Jul 70 (Ger)
[Surgery of inveterate isolated and combined injuries of the lateral ligamentous apparatus of the knee joint in sportsmen] Merkulova RI. Ortop Travmatol Protez 31:29-35, Jul 70 (Rus)

THERAPY

Partial plaster splint for the sprained ankle. Hilsinger EA. JAMA 214:1326, 16 Nov 70
Interferential therapy. Willie CD. Physiotherapy 55:503-5, Dec 69

SPREADING CORTICAL DEPRESSION (G1)

Asymmetry of hemispheres studied by means of unilateral cortical spreading depression in rats. Kunc L. Act Nerv Super (Praha) 13:13-7, 1971
Amino acids of brain and gamma-hydroxybutyrate-induced depression. DeFeudis FV, et al. Arch Int Pharmacodyn Ther 187:30-6, Sep 70
Spreading depression of negative wave of direct cortical response and pyramidal tract responses. Ichijo M, et al. Brain Res 23:41-56, 29 Sep 70
The minimum volume of depolarized neural tissue required for triggering cortical spreading depression in rat. Matsuura T, et al. Exp Brain Res 12:238-49, 1971
Excitation and depression of cortical neurones during spreading depression. Phillis JW, et al. Exp Brain Res 12:132-49, 25 Feb 71
Comparison of hippocampal depression and hippocampal lesion. Greene E. Exp Neurol 31:313-25, Jun 71
Spreading cortical depression and audiogenic seizures in mice. Ward R, et al. Exp Neurol 31:437-43, Jun 71
Visual evoked-response attenuation by spreading depression. Freedman N, et al. J Comp Physiol Psychol 69:362-7, Oct 69
Deformations and thickness variations accompanying spreading depression in the retina. Castro G de O, et al. J Neurophysiol 33:891-900, Nov 70
Yawning and penile erection induced in rats by cortical spreading depression. Huston J. Nature (Lond) 232:274-5, 23 Jul 71
The effect of prolonged cortical spreading depression on consolidation of visual engrams in rats. Burešová O, et al. Psychopharmacologia 20:57-65, 1971
[Application of spreading depression to the study of components of a defensive instrumental response in rats] Kukleta M. J Physiol (Paris) 62:Suppl 3:397, 1970 (Fre)
[Use of dynamic diagrams in the analysis of the characteristics of spreading depression] Koroleva VI. Zh Vyssh Nerv Deiat 20:1295-7, Nov-Dec 70 (Rus)

SPRUE (C4, C13)

Fingerprint changes in coeliac disease. David TJ, et al. Br Med J 4:594-6, 5 Dec 70
Collagenous sprue. Lancet 1:692, 3 Apr 71
[Diseases of the small intestine: recent acquisitions and physiopathological and clinical problems] Sotgiu G. Minerva Med 62:200-7, 17 Jan 71 (Ita)

BLOOD

[Hematologic changes in the course of secondary disturbances of intestinal absorption on a 6-month-old-infant] Baszczyński J, et al. Pediatr Pol 45:713-5, Jun 70 (Pol)

CHEMICALLY INDUCED

[Drug induced steatorrhea] Wagner A. Hippokrates 42:226-8, Jun 71 (Ger)

CLASSIFICATION

[Pathophysiology and pathobiochemistry of steatorrhea] Müller G, et al. Dtsch Gesundheitsw 26:621-6, 1 Apr 71 (130 ref.) (Ger)

COMPLICATIONS

Development of malignant lymphoma during the course of adult celiac disease. A clinicopathologic study of a 49-year old male veteran. Ansari A, et al. Am J Gastroenterol 55:482-8, May 71
Intestinal malabsorption deficiency. Geizayd EA, et al. Arch Intern Med 127:141-7, Jan 71
Regressive vacuolar myopathy in steatorrhea. Electrophysiological and histological study. Coërs C, et al. Arch Neurol 24:217-27, Mar 71
Vasculitis in coeliac diseases. Holdstock DJ, et al. Br Med J 4:369, 7 Nov 70
Idiopathic steatorrhoea and idiopathic pulmonary haemosiderosis. Lane DJ, et al. Br Med J 2:89-90, 10 Apr 71
Osteomalacia in adult coeliac disease. Bordier P, et al. Gut 11:1065-6, Dec 70
Coeliac disease, vasculitis, and cryoglobulinaemia. Doe WF, et al. Gut 11:1066-7, Dec 70
Non-tropical sprue as a cause of megacolon. Report of a case. Carlson DH, et al. J Can Assoc Radiol 21:235-7, Dec 70
[Recurring malabsorption syndrome with achylia, microbial and parasitic infestations of the jejunum] Tolot F, et al. J Med Lyon 50:1675-6 passim, 5 Dec 69 (Fre)
[Osseous repercussions of steatorrhea (20 cases)] Pansu D, et al. Lyon Med 222:515-8 passim, 12 Oct 69 (Fre)
[Hypothesis: pancreatogenic steatorrhea--regulating hyperparathyroiditis--duodenal ulcer--is it a clinical syndrome with common etiology?] Simon L, et al. Orv Hetil 111:2090-1, 30 Aug 70 (Hun)
[Ulcerative hemorrhagic enteritis accompanied by steatorrhea] Potkonjak D, et al. Med Pregl 23:215-8, 1970 (Ser)

DIAGNOSIS

The use of plasma and erythrocyte phospholipid linoleate levels as a screening test for malabsorption. Corlin RF, et al. Am J Dig Dis 15:953-7, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Use of a standard fatty meal as a test for fat absorption. Penfold WA, et al. Ann Surg 173:157-63, Jan 71
[Beta-carotene loading test as a screening test for steatorrhea] Leemhuis MP, et al. Ned Tijdschr Geneeskd 115:1527-30, 11 Sep 71 (Dut)
[Function and metabolism of bile salts] Borel GA. Ther Umsch 27:574-9, Sep 70 (Fre)
[Idiopathic steatorrhea with colic--pancreas carcinoma] Martini GA. Internist (Berlin) 11:145-6, Apr 70 (Ger)
[Significance of fat absorption tests using 131-I-labeled lipids] Wagner A, et al. Med Klin 66:431-9, 19 Mar 71 (Ger)
[Diverse manifestations of endogenous sprue] Wagner A. Z Allgemeinmed 46:1793-5, 31 Dec 70 (Ger)

ENZYMOLOGY

Intestinal dipeptidases and disaccharidases in celiac disease in adults. Berg NO, et al. Gastroenterology 59:575-82, Oct 70
[Column chromatographic examinations for clarification of macroamylasemia] Bosseckert H, et al. Dtsch Z Verdau Stoffwechselkr 29:419-24, 1969 (Ger)

ETIOLOGY

Question of psoriatic enteropathy. Summerly R, et al. Arch Dermatol 103:678-9, Jun 71
Steatorrhoea due to duodeno-colic fistulae from perforation of a duodenal diverticulum with ectopic gastri epithelium. Dey KR, et al. Br J Clin Pract 24:444-5, Oct 70
Dermatitis herpetiformis and celiac sprue. Trier JS. Gastroenterology 60:468-9, Mar 71
Determinants of adult celiac disease. Paulley JW. N Engl J Med 284:916, 22 Apr 71
Seeking the causes of malabsorption. N Engl J Med 283:1340-1, 10 Dec 70
Accidental excision of the superior mesenteric artery. Technical and physiological considerations. Ikard R, et al. Surg Clin North Am 50:1075-85, Oct 70
The esophagus, the vagi, and fat absorption. Shils ME. Surg Gynecol Obstet 132:709-15, Apr 71 (70 ref.)
[Intestinal stasis syndrome] Paulsen S, et al. Ugeskr Laeger 133:1126-8, 11 Jun 71 (Dan)
[3 patients with steatorrhea caused by intolerance to gluten] Arch Belg Med Soc 28:667-70, Nov-Dec 68 (Fre)
[Prolonged steatorrhea after vagotomy for ulcer] Tolot F, et al. Lyon Med 222:229-32, 7 Sep 69 (Fre)
[Chronic steatorrhea in children due to congenital deficiency of pancreatic lipase] Verger P, et al. Pediatrie 26:285-90, Apr-May 71 (Fre)
[Steatorrhea and gastric hypersecretion (experimental studies on dogs)] Manfredi C, et al. G Ital Chir 25:161-8, Mar 69 (Ita)
[Sprue-like syndrome in systemic scleroderma] Miagkova LP, et al. Sov Med 33:113-6, Sep 70 (Rus)
[Secondary sprue. I. Malabsorption syndromes caused by duodenocolic fistula] Del Rio A, et al. Rev Esp Enferm Apar Dig 35:95-102, Jul 71 (Spa)
[Hypoproteinemia, steatorrhea, protein losing enteropathy, calcium and electrolyte loss, atrophy of villi and reversible lymphatic dilatations in a case of an operated esophagus cancer] Gaon D, et al. Rev Esp Enferm Apar Dig 35:85-94, Jul 71 (Spa)
[Sequealae of chronic pancreatitis] Pelaez Redondo J. Rev Esp Enferm Apar Dig 34:289-96, 1 May 71 (Spa)
[Steatorrhea caused by disorders of the micellar phase of fat absorption] Kušić M, et al. Vojnosanit Pregl 27:282-4, Jun 70 (Cro)

FAMILIAL & GENETIC

Familial steatorrhoea with calcification of the basal ganglia and mental retardation. Cockel R, et al. Gut 11:1064, Dec 70

IMMUNOLOGY

Autoantibodies to reticulin in patients with idiopathic steatorrhoea, coeliac disease, and Crohn's disease, and their relation to immunoglobulins and dietary antibodies. Alp MH, et al. Lancet 2:682-5, 25 Sep 71

METABOLISM

Tropical sprue and malnutrition in West Bengal. II. Fluid and electrolyte transport in the small intestine. Banwell JG, et al. Am J Clin Nutr 23:1559-68, Dec 70
Tropical sprue and malnutrition in West Bengal. IV. Bile salt deconjugation in tropical sprue. Cassells JS, et al. Am J Clin Nutr 23:1579-81, Dec 70
Tropical sprue and malnutrition in West Bengal. 3. Biochemical characteristics of bile salts in the small intestine. Nair PP, et al. Am J Clin Nutr 23:1569-78, Dec 70
Malabsorption of dietary folate (Pteroylpolyglutamates) in adult coeliac disease and dermatitis herpetiformis. Hoffbrand AV, et al. Br Med J 4:85-9, 10 Oct 70
Absorption of tritiated vitamin K1 in patients with fat malabsorption. Shearer MJ, et al. Gut 11:1063-4, Dec 70
Incorporation of L-leucine-14C into immunoglobulins by jejunal biopsies of patients with coeliac sprue and other gastrointestinal diseases. Loeb PM, et al. J Clin Invest 50:559-69, Mar 71
Studies on bile salt deconjugation in patients with tropical sprue. Kapadia CR, et al. Scand J Gastroenterol 6:29-31, 1971
A study of the ratios of bile salt conjugates of glycine to taurine in the jejunum and ileum in patients with tropical sprue. Kapadia CR, et al. Scand J Gastroenterol 6:357-61, 1971
[Gastro-intestinal loss of endogenous fatty acids in steatorrhea of various origin] Begemann F. Klin Wochenschr 49:110-1, 15 Jan 71 (Ger)

MICROBIOLOGY

Tropical sprue and malnutrition in West Bengal. I. Intestinal microflora and absorption. Gorbach SL, et al. Am J Clin Nutr 23:1545-58, Dec 70
[Importance and significance of the intestinal flora in the clinical evaluation of steatorrhea] Ferri S, et al. Arch Ital Mal Appar Dig 36:69-86, 1969 (Ita)

OCCURRENCE

Steatorrhoea in the Punjab: the results of a village survey. Cowan B, et al. J Trop Med Hyg 74:137-40, Jun 71
[Endemic sprue in the surroundings of Vienna] Stefenelli N. Wien Klin Wochenschr 83:284-5, 23 Apr 71 (Ger)
[Steatorrhea in alcoholics with and without liver cirrhosis] Insunza I, et al. Rev Med Chil 98:669-73, Oct 70 (Spa)

PATHOLOGY

Psoriatic enteropathy. Marks J, et al. Arch Dermatol 103:676-8, Jun 71
Enterocyte in coeliac disease. 1. Booth CC. Br Med J 3:725-31, 26 Sep 70
Collagenous sprue. Br Med J 2:65-6, 10 Apr 71
The small intestinal mucosa in dermatitis herpetiformis. I. Severity and distribution of the small intestinal lesion and associated malabsorption. Brow JR, et al. Gastroenterology 60:355-61, Mar 71
Chronic ulcerative jejunitis. Report of a case and discussion of classification. Moritz M, et al. Gastroenterology 60:96-102, Jan 71
Collagenous sprue. Barry RE, et al. N Engl J Med 284:1041, 6 May 71
Epithelial-cell renewal in cultured duodenal biopsies in celiac sprue. Trier JS, et al. N Engl J Med 283:1245-50, 3 Dec 70
Collagenous sprue--an unrecognized type of malabsorption. Weinstein WM, et al. N Engl J Med 283:1297-301, 10 Dec 70
[Biopsy of the duodenum in sprue] Cheli R. Arch Fr Mal App Dig 58:245-8, Apr-May 69 (Fre)
[Paneth cell deficiency by idiopathic steatorrhoea] Otto HF. Beitr Pathol 143:378-89, Jul 71 (Ger)
[The normal small bowel mucosa and its changes in endemic sprue. Morphological and histochemical findings] Riecken EO. Dtsch Med Wochenschr 95:2295-303, 6 Nov 70 (Ger)
[Comparative bioptic examinations on the formal pathogenesis of the intestinal mucous membrane changes in indigenous sprue. I. Microscopic, histologic, morphometric and cell kinetic findings] Riecken EO. Klin Wochenschr 48:1216-35, 15 Oct 70 (Ger)
[Some ultramicroscopic aspects of Lieberkühn's intestinal crypts during sprue-celiac disease before and during gluten-free diet] Dodero M, et al. Minerva Gastroenterol 16:131-5, Jul-Sep 70 (Ita)

PHYSIOPATHOLOGY

Splenic function in adult coeliac disease. Marsh GW, et al. Br J Haematol 19:445-57, Oct 70
Gallbladder inertia in adult coeliac disease. Low-Beer TS, et al. Gut 11:1057-8, Dec 70
Rapid evaluation of creatinine clearance. Braganza J, et al. Lancet 1:1133, 29 May 71
[Pathophysiology and pathobiochemistry of steatorrhea] Müller G, et al. Dtsch Gesundheitsw 26:621-6, 1 Apr 71 (130 ref.) (Ger)

PREVENTION & CONTROL

Experimental massive intestinal resection. Comparison of surgical measures and spontaneous adaptation. Delany HM, et al. Arch Surg 101:599-604, Nov 70

THERAPY

Influence of medium-chain triglycerides on steatorrhea--in maldigestion, malabsorption and primary exudative enteropathy. Creutzfeldt W, et al. Am J Proctol 22:47-55, Feb 71
The small intestinal mucosa in dermatitis herpetiformis. II. Relationship of the small intestinal lesion to gluten. Weinstein WM, et al. Gastroenterology 60:363-9, Mar 71

VETERINARY

Steatorrhoea in piglets. Mouwen JM, et al. Vet Rec 87:172-3, 8 Aug 70

SPRUE, TROPICAL (C4, C13)

BLOOD

Brown serum in tropical sprue. Weiner SV, et al. Am J Dig Dis 16:178-80, Feb 71
Vitamin B12 and folic acid status in tropical sprue. Mehta SK, et al. Indian J Med Res 59:265-70, Feb 71

COMPLICATIONS

Dermatitis of hands and feet associated with intestinal malabsorption in British service families in Singapore. Hindson TC. Arch Dermatol 102:624-30, Dec 70

DIAGNOSIS

Laboratory criteria for the diagnosis of tropical sprue in Puerto Rico. Santini R, et al. Am J Dig Dis 16:241-6, Mar 71
The xylose excretion test in normal children and in pediatric patients with tropical sprue. Santiago-Borrero PJ, et al. Pediatrics 48:59-63, Jul 71

ENZYMOLOGY

Disaccharidase levels in jejunal biopsy specimens from American and south Indian control subjects and patients with tropical sprue. Swaminathan N, et al. Clin Chim Acta 30:707-12, Dec 70

ETIOLOGY

Bacteriological study of jejunal fluid in idiopathic tropical malabsorption syndrome. Lahri K, et al. Indian J Med Res 58:1428-32, Oct 70

IMMUNOLOGY

Blood group and secretor status in tropical sprue. Menéndez-Corrada R, et al. Bol Asoc Med PR 63:125-7, Apr 70

METABOLISM

Evaluation of D-xylose absorption in tropical sprue in North India. Mehta SK, et al. Indian J Med Res 59:552-9, Apr 71
Small intestinal absorption studies and biopsy findings in Asians, in Singapore. Jayaratnam FJ, et al. Singapore Med J 11:275-82, Dec 70

OCCURRENCE

An epidemic of tropical sprue in southern India. II. Epidemiology. Baker SJ, et al. Ann Trop Med Parasitol 64:453-67, Dec 70
An epidemic of tropical sprue in southern India. I. Clinical features. Mathan VI, et al. Ann Trop Med Parasitol 64:439-51, Dec 70

PATHOLOGY

Jejunal histology and clinical status in tropical sprue and other chronic diarrheal disorders. Bayless TM, et al. Am J Clin Nutr 24:112-6, Jan 71
Comparison of ileal and jejunal biopsies in tropical sprue. Wheby MS, et al. Am J Clin Nutr 24:117-23, Jan 71

SPUTUM (A12)

Contamination of sputum induction equipment during patient usage. French ML, et al. Appl Microbiol 21:899-902, May 71
Sputum viscosity and pulmonary function in cystic fibrosis. Feather EA, et al. Arch Dis Child 45:807-8, Dec 70
Clinical observations and sputum rheology. Tekeres M, et al. Br J Anaesth 42:800-1, Sep 70
Sputum viscosity in cystic fibrosis of the pancreas and other pulmonary diseases. Feather EA, et al. Br J Dis Chest 64:192-200, Oct 70
The rheology of bronchitic sputum. Palmer KN, et al. Br J Dis Chest 64:185-91, Oct 70
Relationship of the loose cough sign to daily sputum volume. Observer variation in its detection. Hall GJ, et al. Br J Prev Soc Med 25:109-13, May 71
[Comparative study of sputum viscosity after administration of mycolytics] Brombacher PJ, et al. Acta Tuberc Pneumol Belg 62:52-8, Jan-Feb 71 (Dut)
[Mechanical conditions of expectoration] Gayrard P, et al. Mars Med 108:289-92, 1971 (Fre)
[Biochemical studies of bronchial secretions in mucoviscidosis of children] Havez R, et al. Poumon Coeur 27:23-40, 1971 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Influence of smoking habits on the incidence of non-specific respiratory diseases. 3] Reichel G, et al. Int Arch Arbeitsmed 27:49-72, 1970 (Ger)
[Early diagnosis of primary lung cancer by cyto-histologic examination of the sputum under ambulatory conditions] Ciaccia A Jr, et al. Riv Patol Clin Sper 11:39-54, Jan-Apr 70 (Ita)
[Importance and advantages of cyto-histologic examination of sputum in the clinical diagnosis of lung cancer] Lanza G, et al. Riv Patol Clin Sper 11:5-18, Jan-Apr 70 (Ita)
[Chagas' disease pneumopathies. Sputum examination of chronic Chagas' disease patients] Rossi MA, et al. Hospital (Rio de J) 78:869-71, Sep 70 (Por)

ANALYSIS

Analysis of sputum for presence of pharmacologically active substances in cases of bronchial asthma and other respiratory diseases. Sen P, et al. Allerg Asthma (Leipz) 16:80-3, 1970
Quantitation of sputum protein by use of the biuret reaction. Fields JP, et al. Clin Chem 16:773-5, Sep 70
Tetracycline levels in bronchial secretions. Campbell MJ. J Clin Pathol 23:427-34, Jul 70
Autacoids in sputum in cases of bronchial asthma and other respiratory diseases. Sen P, et al. J Pharm Pharmacol 22:531, Jul 70
Chemical balance as a rheometer for biological fluids. Davis SS, et al. J Pharm Sci 59:1764-9, Dec 70
Sputum cytology in the diagnosis of bronchial carcinoma. Laurie W, et al. Med J Aust 1:247-51, 30 Jan 71
Biochemistry and rheology of sputum in asthma. Keal EE. Postgrad Med J 47:171-7, Mar 71
Clindamycin levels in sputum in a patient with purulent chest disease due to cystic fibrosis. Raeburn JA, et al. Postgrad Med J 47:366-7, Jun 71
Relation between sputum sol phase composition and diagnosis in chronic chest diseases. Brogan TD, et al. Thorax 26:418-23, Jul 71
[Iron content of sputum] Neuwirtová R, et al. Cas Lek Cesk 110:492-3, 1971 (Cze)
[Various analyses of the development of the biochemical structure of expectoration during the Mont-Dore thermal cure] Cuvelier R, et al. Presse Therm Climat 106:232-3, 1969 (Fre)
[Behavior of electrophoretically, biochemically and immunologically demonstrable proteins in the sputum after secretolysis] Götz H, et al. Clin Chim Acta 30:53-64, Oct 70 (Ger)
[Exfoliative cytology of alveolar origin] Daddi G, et al. Ann Ist Carlo Forlanini 29:89-95, 1969 (Ita)
[Pharmacokinetics of various antibiotics on mucoviscidosis with special reference to their concentration in sputum in relation to its chemical composition] Bonomi U, et al. Fracastoro 63:579-609, May-Aug 70 (Ita)
[A new method of cell dispersion to study expectoration] Alonso P, et al. Rev Inst Nacl Cancerol (Mex) 19:590-1, Dec 66 (Spa)

CYTOLOGY

Progress report on study of respiratory spirals. Walker KR, et al. Acta Cytol (Baltimore) 14:396-8, Jul-Aug 70
Sputum eosinophilia in obstructive lung disease. Epstein RL. Ann Intern Med 75:317-8, Aug 71
Identification of oil-red-O stained granules in sputum macrophages. Pickren JW. JAMA 215:1985, 22 Mar 71
Clinico-pathological investigations in sheep pulmonary adenomatosis (Jaagsiekte). I. Exfoliative cytology. Nobel TA, et al. Zentralbl Veterinaermed [B] 17:958-62, Nov 70
[Combined preparation methods for optimal diagnosis in pulmonary specimen cytology] Kühnert M, et al. Z Erkr Atmungsorgane 132:227-31, 1970 (Ger)
[Cytologic differentiation of mucus forming and cornified cells] Šimeček C. Z Erkr Atmungsorgane 132:349-50, 1970 (Ger)
[The value of cytological studies in the diagnosis of malignant bronchopulmonary tumors] Aszity M, et al. Orv Hetil 112:913-6, 18 Apr 71 (Hun)

DRUG EFFECTS

The mucolytic agent bromhexine (bisolvon) in chronic lung disease. A double-blind crossover trial. Cobbin DM, et al. Aust NZ J Med 1:137-40, May 71
Effect of tolazoline hydrochloride on sputum viscosity in cystic fibrosis. Feather EA, et al. Thorax 25:732-6, Nov 70
[The effect of sputum from mucoviscidosis patients on the in vitro action of cephaloridin, gentamicin and chloramphenicol] Piacentini I, et al. Fracastoro 63:610-5, May-Aug 70 (Ita)

ENZYMOLOGY

Inhibitors and activators of leukocytic proteases in purulent sputum. Digestion of human lung and inhibition by alpha 1-antitrypsin. Lieberman J, et al. J Lab Clin Med 77:713-27, May 71

IMMUNOLOGY

Canine secretory immunoglobulins: identification of secretory component. Ricks J, et al. J Immunol 105:1327-33, Dec 70
Specificity of respiratory secretion antibody against influenza virus. Waldman RH, et al. J Immunol 105:1477-83, Dec 70
[Immunochemical studies on sputum proteins and on the bronchial mucosa before and after secretolysis] Götz H. Z Immunitaetsforsch Allerg Klin Immunol 140:372-81, 1970 (Ger)
[Immunological study of the excretions of the sputum of bronchitis patients] Zedda S, et al. Med Lav 60:350-9, May 69 (Ita)

MICROBIOLOGY

Entameba gingivalis in sputum. Its distinction from Entameba histolytica. Rosenberg M, et al. Acta Cytol (Baltimore) 14:361-2, Jul-Aug 70
The isolation of pathogenic fungi from sodium hydroxide-processed sputum specimens from patients suspected to have tuberculosis. Neimeister RP, et al. Am J Clin Pathol 56:201-3, Aug 71
The nonvalue of sputum culture in the diagnosis of pneumococcal pneumonia. Barrett-Connor E. Am Rev Resp Dis 103:845-8, Jun 71
Microscopy positive and microscopy negative cases of pulmonary tuberculosis. Narain R, et al. Am Rev Resp Dis 103:761-73, Jun 71
Nonculturable acid-fast forms in the sputum of patients with tuberculosis and chronic pulmonary disease. Warring FC Jr, et al. Am Rev Resp Dis 102:714-24, Nov 70
Serologically identical Battey mycobacteria from sputa of healthy piggery workers and lesions of pigs. Reznikov M, et al. Aust Vet J 46:606-7, Dec 70
Bacteria in sputum--contaminants or culprits? Hewitt WL. Calif Med 112:60-2, Feb 70
Pneumocystis carinii pneumonia diagnosed from sputum and successfully treated with pentamidine isethionate. Fortuny IE, et al. Cancer 26:911-3, Oct 70
Isolation of acid-fast bacilli from contaminated specimens. Gruft H. Health Lab Sci 8:79-82, Apr 71
A sputum swab culture method for tubercle bacilli using Cetrimide, compared with two other swab culture methods and the concentration culture method. Joseph S, et al. Indian J Med Res 57:1573-8, Aug 69
Seasonal variations of fungi in the sputa and throats of asthmatic patients. Chen CY. J Formosan Med Assoc 69:190-201, 28 Apr 70
Mucoid Pseudomonas aeruginosa in patients with chronic illnesses. Doggett RG, et al. Lancet 1:236-7, 30 Jan 71
Use of paraffin bait technique in the isolation of Nocardia asteroides from sputum. Kurup PV, et al. Mycopathologia Mycol Appl 40:363-7, 31 Aug 70
Isolation of tubercle bacilli from the sputum after treatment with Teepol XL, sodium lauryl sulfate, Sterinol or Cetavlon. Malski M. Pol Med J 9:1374-82, 1970
Examination of multiple sputum specimens in a tuberculosis survey. Chandrasekhar P, et al. Tubercle 51:255-62, Sep 70
Isolation of 'atypical' mycobacteria from healthy individuals in tropical Australia. Kiewiet AA, et al. Tubercle 51:296-9, Sep 70
[Note on the possibility of differences in reading fixed sputum films in detection of Koch's bacillus] Henneghien C, et al. Acta Tuberc Pneumol Belg 60:878-85, 1969 (Fre)
[Study of 123 Staphylococcus strains accompanied by Koch's bacilla in tuberculosis patient expectorations] Safa F, et al. Bord Med 4:315-8 passim, Feb 71 (Fre)
[Recent bacteriologic findings in chronic bronchopathy expectorations] Vernes JP, et al. J Fr Med Chir Thorac 23:573-9, Jul-Aug 69 (Fre)
[Mycological findings of 150 bronchial aspiration material collected from hospital patients] Alteraș I, et al. Mykosen 13:695-7, 1 Dec 69 (Fre)
[Isolation of atypical mycobacteria in the sputum of miners: clinical and epidemiologic aspects] Casula D. Rev Tuberc Pneumol (Paris) 34:79-86, 1970 (Fre)
[An unusual observation in agar diffusion tests with sulfonamides and sulfonamide combination sulfamethoxazol-trimethoprim] Hussels H, et al. Med Lab (Stuttg) 24:174-9, Aug 71 (Ger)
[Bacteriological examination of sputum] Reber H. Med Lab (Stuttg) 24:73-84, Apr 71 (Ger)
[Detection of tubercle bacilli in animal experiment by means of Marton's new instrument of secretion test] Marton S, et al. Pneumonologie 143:88-92, 1970 (Ger)
[Dependence of microbial flora in the bronchial tree of chronic lung disease patients on bronchial secretion and cough symptoms] Dobišová M, et al. Prax Pneumol 25:249-54, May 71 (Ger)
[Bacterioloical examination of sputum] Semenitz E. Wien Klin Wochenschr 83:400-6, 4 Jun 71 (Ger)
[Bacteriological findings in pre- and postoperatively sampled bronchial secretion of children with bronchiectasis] Kramer H, et al. Z Erkr Atmungsorgane 132:69-73, 1970 (Ger)
[Transtracheal aspiration in the diagnosis of respiratory tract infections] Stille W. Z Laryngol Rhinol Otol 50:357-60, May 71 (Ger)
[Killing of tuberculosis bacteria in sputum and gastric juice before the preparation for microscopic identification] Bartmann K. Zentralbl Bakteriol [Orig] 203:415-6, 1967 (Ger)
[In vitro effect of antibiotics on microorganisms in the sputum from mucoviscidosis patients evaluated by the standard antibiogram] Bonomi U, et al. Fracastoro 63:562-78, May-Aug 70 (Ita)
[Statistical findings on flora isolated from sputum of mucoviscidosis patients] Mengoli V, et al. Fracastoro 63:549-61, May-Aug 70 (Ita)
[Clinical studies on Haemophilus in respiratory diseases in children. I. Results of isolation of Haemophilus from the culture of the pharyngeal washings] Nomoto Y. Acta Paediatr Jap 75:255-63, Apr 71 (Jap)
[A new species Gordona aurantiaca occurring in sputa of patients with pulmonary disease] Tsukamura M, et al. Kekkaku 46:93-8, Apr 71 (Jap)
[The effect of chemotherapy for originally treated cavitary tuberculosis patients with positive sputum observed for two years] Yamamoto M, et al. Kekkaku 46:5-11, Jan 71 (Jap)
[Isolation of tubercle bacilli from sputum after treatment with Teepol XL] Malski M. Gruzlica 39:283-8, Apr 71 (Pol)
[Clinical value of determining Mycobacterium tuberculosis in sputum and bronchial washings] Rudoĭ NM, et al. Lab Delo 10:614-8, 1970 (Rus)
[Characteristics of bacillary excretion in pulmonary tuberculosis with and without cavitations] Shaenko VP. Probl Tuberk 49:48-52, 1971 (Rus)

PHYSIOPATHOLOGY

Sputum viscoelasticity in chronic bronchitis. Dulfano MJ, et al. Am Rev Resp Dis 104:88-98, Jul 71

SECRETION

A comparative study of alevaire and a new mucolytic agent, acumist in postoperative patients. Polk JW, et al. Eye Ear Nose Throat Mon 49:321-4, Jul 70
[Drug modifying expectoration] Voisin C, et al. Lille Med 16:23-7, 1971 (Fre)

SQUALENE (D2)

Conversion of des-6-methyl-2,3-oxidosqualene to 19-norlanosterol by 2,3-oxidosqualene-sterol cyclase. Corey EJ, et al. J Am Chem Soc 93:1493-4, 24 Mar 71
Biochemical conversion of partially cyclized squalene 2,3-oxide types to the lanosterol system. Views on the normal enzymic cyclization process. Van TAMELEN EE, et al. J Am Chem Soc 92:7206-7, 2 Dec 70

ANALYSIS

Lipids of human atheroma. VI. Hydrocarbons of the atheromatous plaque. Brooks CJ, et al. Lipids 5:818-24, Oct 70
Steroids and squalene in Methylococcus capsulatus grown on methane. Bird CW, et al. Nature (Lond) 230:473-4, 16 Apr 71

BIOSYNTHESIS

Squalene and lanosterol synthesis in the foeto-placental unit at midgestation. Leusden HA van, et al. Acta Endocrinol (Kbh) 66:711-9, Apr 71
Synthesis and conversion of presqualene alcohol to squalene. Altman LJ, et al. J Am Chem Soc 93:1782-3, 7 Apr 71
Studies on the mechanism of squalene biosynthesis. Presqualene pyrophosphate, stereochemistry and a mechanism for its conversion to squalene. Rilling HC, et al. J Am Chem Soc 93:1783-5, 7 Apr 71
Mechanism of presqualene pyrophosphate-squalene biosynthesis. Tamelen EE, et al. J Am Chem Soc 93:1780-2, 7 Apr 71
Biosynthesis of squalene and sterols by rat aorta. Daly MM. J Lipid Res 12:367-75, May 71
Biosynthesis of presqualene pyrophosphate by liver microsomes. Rilling HC. J Lipid Res 11:480-5, Sep 70
The biosynthesis of cholesterol and other sterols by brain tissue. II. A comparison of in vitro and in vivo methods. Ramsey RB, et al. Lipids 6:225-32, Apr 71
[Isolation and characterization of various membrane fractions type active in the synthesis in vitro of squalene and obtained from anergic tissue cultures of tobacco] Ferne M, et al. C R Acad Sci [D] (Paris) 272:2385-8, 3 May 71 (Fre)

BLOOD

Serum squalene and methyl sterols. Miettinen TA, et al. N Engl J Med 283:1054-5, 5 Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CHEMICAL SYNTHESIS

Stereoselective total synthesis of (plus or minus)-presqualene alcohol. Coates RM, et al. J Am Chem Soc 93:1785-6, 7 Apr 71
Application of the chloro ketal claisen reaction to the total synthesis of squalene. Experimental details. Werthemann L, et al. Proc Natl Acad Sci USA 67:1810-3, Dec 70
Application of the chloro ketal Claisen reaction to the total synthesis of squalene. Werthemann L, et al. Proc Natl Acad Sci USA 67:1465-7, Nov 70

METABOLISM

Specificity and role in cholesterol biosynthesis of a squalene and sterol carrier protein. Ritter MC, et al. J Biol Chem 246:1536-9, 10 Mar 71

PHARMACODYNAMICS

Hormonal action of certain biologically active compounds in Agrotis ypsilon larvae. el-Ibrashy MT, et al. Experientia 26:1095-6, 15 Oct 70
[The effect of squalene and cholesterol on the histological picture of the periodontium in white rats] Habczyńska D, et al. Czas Stomatol 23:1201-9, Oct-Nov 70 (Pol)

SQUAMOUS BONE see under TEMPORAL BONE

(A2)

SQUILL (B6, D5)

ADMINISTRATION & DOSAGE

[Current experience with the cardioactive glycoside proscillaridine A] Pezzo G, et al. Clin Ter 55:227-30, 15 Nov 70 (Ita)

ADVERSE EFFECTS

[On some aspects of occupational pathology in workers engaged in the manufacture of proscillaridin A] Tomasini M, et al. Med Lav 61:594-8, Nov 70 (Ita)

PHARMACODYNAMICS

[Effect of cardiac glycosides on the duration of systole. A comparison between proscillaridin and strophanthin] Heierli C, et al. Schweiz Med Wochenschr 101:638-42, 8 May 71 (Ger)

THERAPEUTIC USE

[Conservative treatment of cerebral insufficiency. Experiences with wallerox] Poser G. Munch Med Wochenschr 113:738-41, 7 May 71 (Ger)
[Sandoscill--the cardiac glycoside for daily practice] Z Allgemeinmed 47:1054-5, 20 Jul 71 (Ger)
[Comparative hemodynamic effect of proscillaridin A and strophanthin] Greggia G, et al. Cardiol Prat 1:Suppl:1-7, 1967 (Ita)

SQUINT see STRABISMUS (C11)

SQUIRRELS (B2)

Serological and bacteriological investigations of an outbreak of plague in an urban tree squirrel population. Hudson BW, et al. Am J Trop Med Hyg 20:255-63, Mar 71
Variations in fecundity of the red squirrel, Tamiasciurus hudsonicus (Erxleben). Millar JS. Can J Zool 48:1055-8, Sep 70
Ultrastructure of the ventricular tissue of the hibernating ground squirrel, Citellus lateralis, in relation to the physiology of the hibernator's heart. Aloia RC, et al. Comp Biochem Physiol 38:517-24, 1 Mar 71
Renal regulation of urea excretion in arousing and homeothermic ground squirrels (Citellus columbianus). Lesser RW, et al. Comp Biochem Physiol 36:291-6, 15 Sep 70
Further studies of transferrins of the arctic ground squirrel Spermophilus undulatus (rodentia: sciuridae). Nadler CF, et al. Comp Biochem Physiol 36:81-6, 1 Sep 70
Hibernation: intestinal protozoa populations in ground squirrels. Davis SD. Exp Parasitol 28:156-65, Oct 69
Radiation LD 50 (30) of Richardson ground squirrels. Markham OD, et al. Health Phys 18:731-2, Jun 70
Autoradiographic studies on DNA synthesis in sex chromosomes of five-striped squirrel, Funambulus pennanti Wroughton. Sharma VK, et al. Indian J Exp Biol 8:249-54, Oct 70
The effect of hibernation on the caecal flora of the thirteen-lined ground squirrel (Citellus tridecemlineatus). Barnes EM, et al. J Appl Bacteriol 33:505-14, Sep 70
The susceptibility of three British small mammals to foot-and-mouth disease. Capel-Edwards M. J Comp Pathol 81:433-6, Jul 71
Observations on parasites of gray squirrels during the 1968 emigration in North Carolina. Parker JC, et al. J Mammal 52:437-41, May 71
Occurrence of Neohaematopinus sciuri Jancke, 1933 on a West Virginia gray squirrel. Dansby KN, et al. J Parasitol 57:886, Aug 71
Plasmodium (Vinckeia) watteni sp. n. from the Formosan giant flying squirrel, Petaurista petaurista grandis. Lien JC, et al. J Parasitol 54:1171-4, Dec 68
Notes on Gongylonema pulchrum Molin, 1857 (Nematoda: Spiruridae) in the gray squirrel in southwestern Virginia. Parker JC, et al. J Parasitol 57:829, Jun 71
Studies on SOUTHEAST Asian Haemaphysalis ticks (Ixodoidea, Ixodidae). Redescription of H. (rhipistoma) Barteisi Schulze (resurrected), the Indonesian flying squirrel haemaphysalid. Wilson N, et al. J Parasitol 54:1223-7, Dec 68
Eimeria callosciuri n. sp. (Protozoa: Eimeriidae) from Prevost's squirrel Callosciurus prevostii Demarest, 1822 in Malaysia. Colley FC. J Protozool 18:199-200, May 71
Osteomalacia in captive flying squirrels, Glaucomys volans. Sheldon WG, et al. Lab Anim Sci 21:229-33, Apr 71
A new malaria parasite in Hylopetes alboniger Hodgson. Dasgupta B, et al. Parasitology 62:195-7, Apr 71
Alteration of activity rhythm after induced arousal from hibernation. Running head: alteration of activity rhythm after hibernation. Popovic VP, et al. Bass Neurol Veg 23:27-36, 1969
[Cytophysiological study of the lymph node tissue of the red-cheeked ground squirrel in the autumn-winter season] Alekseeva GV, et al. Zh Obshch Biol 31:361-4, May-Jun 70 (Rus)

ANATOMY & HISTOLOGY

Seasonal changes in the thyroid gland of the palm squirrel funambulus pennanti (Wroughton) with a note on the occurrence of parasites. Vijayan E, et al. Endokrinologie 58:27-36, 1971
Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al. Endokrinologie 58:37-54, 1971
Cortical visual areas in the grey squirrel (Sciurus carolinesis): a correlation between cortical evoked potential maps and architectonic subdivisions. Hall WC, et al. J Neurophysiol 34:437-52, May 71
In situ observations on the structure of the neurosecretory system in the Indian palm squirrel Funambulus pennanti (Wroughton). Vijayan E, et al. Neuroendocrinology 7:337-47, 1971
Ultrastructure of mesangial and juxtaglomerular cells in the kidney of a hibernator. Zimny ML, et al. Z Zellforsch Mikrosk Anat 118:326-32, 1971

CLASSIFICATION

Chromosomes and some issues of the evolution of the ground squirrel genus Citellus (Rodentia: Schiuridae). Liapunova EA, et al. Experientia 26:1033-8, 26 Sep 70
Chromosomes and some issues of the evolution of the ground squirrel genus Citellus (Rodentia: Sciuridae). Liapunova EA, et al. Experientia 26:1033-8, 26 Sep 70
Chromosomes of some Asian and South American squirrels (Rodentia: Sciuridae). Nadler CF, et al. Experientia 26:1383-6, 15 Dec 70
Taxonomic status of Petinomys morrisi (Carter) and its relationship to Petinomys setosus (Temminck and Schlegel). Muul I, et al. J Mammal 52:362-9, May 71

EMBRYOLOGY

The development of the chorio-allantoic placenta of the African scaly-tailed squirrels (family Anomaluridae). Luckett WP. Am J Anat 130:159-77, Feb 71

METABOLISM

[Pancreas enzyme activity of the ground squirrel (Citellus erythrogenys Br.) during experimental starvation] Klimova VP. Fiziol Zh SSSR 57:627-30, Apr 71 (Rus)

PHYSIOLOGY

Renal function in the hibernating ground squirrel Spermophilus columbianus. Moy RM. Am J Physiol 220:747-53, Mar 71
Representation of the visual field in the superior colliculus of the grey squirrel (Sciurus carolinensis) and the tree shrew (Tupaia glis). Lane RH, et al. Brain Res 26:277-92, 5 Mar 71
Homeostasis during hibernation in the golden-mantled ground squirrel, Citellus lateralis. Pengelley ET, et al. Comp Biochem Physiol 38:645-53, 1 Mar 71
Thyroid activity of the ground squirrel (Citellus tridecemlineatus) using a cannula technique. Bauman TR, et al. Gen Comp Endocrinol 15:369-73, Dec 70
Visual sensitivity and color vision in ground squirrels. Jacobs GH, et al. Vision Res 11:511-37, Jun 71
Projection of visual field on superior colliculus of ground squirrel (Citellus tridecemlineatus). Woolsey CN, et al. Vision Res 11:115-27, Feb 71

RADIATION EFFECTS

On the occurrence of ectopic thyroid in the normal and experimental Indian palm squirrel Funambulus pennanti (Wroughton). Vijayan E, et al. Strahlentherapie 141:485-90, Apr 71

STABLE FACTOR see FACTOR VII (D7)

STAINLESS STEEL (D1)

Stainless steel-vinylidene fluoride resin complete hip prosthesis--evaluation in the dog. Creed JE, et al. Am J Vet Res 32:757-65, May 71
Electrolytic reaction to dissimilar metals as a cause of sciatica: a case report. Bhalla SK, et al. Can J Surg 11:52-6, Jan 68
Prevention of interfacial corrosion of SMO stainless steel appliances. Homsy CA, et al. Clin Orthop 75:261-8, Mar-Apr 71
Simultaneous determination of the rates of synthesis of 3H-RNA and 3H-DNA in mouse embryo cells grown as monolayers on stainless steel. Birnie GD, et al. Exp Cell Res 50:474-6, May 68
Tube viscometry of blood: effects of wall material. Chisolm GM, et al. J Appl Physiol 31:313-7, Aug 71
Fatigue behavior of type 316 stainless steel under simulated body conditions. Wheeler KR, et al. J Biomed Mater Res 5:267-81, May 71
Modification of the stainless steel crown for primary teeth. Mink JR, et al. J Dent Child 38:197-205, May-Jun 71
Tendon repairs with nylon and a modified pullout technique. Mangus DJ, et al. Plast Reconstr Surg 48:32-5, Jul 71
Maintenance of chest wall stability: a further report. Le Roux BT, et al. Thorax 26:424-8, Jul 71
[Corrosion of metallic implants] Dubuc FL, et al. Union Med Can 99:2226-30, Dec 70 (Fre)
[Significance of material constants of metals in construction of clasps] Schwickerath H. Dtsch Zahnaerztl Z 26:793-801, Aug 71 (Ger)
[The importance of different operating modes of casting EI-95 stainless steel and cobalt-chromium alloy in the preparation of dental prosthesis framework] Zbarzh IaM, et al. Stomatologiia (Mosk) 50:35-8, May-Jun 71 (Rus)
[Comparative characteristics of the changes in bone tissue during osteosynthesis of open fractures using titanium and stainless steel nails] Tateosov GI, et al. Vestn Khir 105:60-3, Oct 70 (Rus)
[Crowns on deciduous teeth] Leyt S. Rev Asoc Odontol Argent 58:32-3, Jan-Mar 70 (Spa)

STANDARDS

Influence of gold plating of stainless steel pins on the tensile strength of dental amalgam. Bapna MS, et al. J Dent Res 50:846-9, Jul-Aug 71

STAINS AND STAINING (E5)

see also related DYES (D13)

A histocytological investigation on epithelioneural association in the lesser omentum of the eleven day chick embryo (Gallus domesticus), with special reference to the application of van Camphenhout's ammoniated silver carbonate technique. (With color plate I). Dreyer MV. Acta Anat (Basel) 76:409-24, 1970
A chloral hydrate modification of the Golgi-Cox method for impregnation of glia cells. Pessacq TP. Acta Anat (Basel) 76:131-5, 1970
Vital staining of the rat iris with methylene blue. Takkunen E. Acta Anat (Basel) 78:18-24, 1971
Studies on the Gomori-positive glial cells. II. Morphology of Gomori-positive glial cells in the central nervous system of the earthworm Allolobophora caliginosa. Koritsánszky S, et al. Acta Biol Acad Sci Hung 21:303-12, 1970
The chromosome number of 'hypochromic' cancer cells. Atkin NB. Acta Cytol (Baltimore) 14:463-4, Sep-Oct 70
Cytologic diagnosis of renal cell carcinoma with the aid of fat stain. Hajdu SI, et al. Acta Cytol (Baltimore) 15:31-3, Jan-Feb 71
Adenosine triphosphatase staining of dermatophytes. Shelley WB, et al. Acta Derm Venereol (Stockh) 51:257-60, 1971
Identification of the nucleic acid of mouse mammary tumor virus (MTV) using fluorescence microscopy. el-Fiky SM, et al. Acta Histochem (Jena) 37:323-9, 1970
Ultrahistochemical demonstration of the glycocalyx on the surface of tracheal epithelium by means of the colloidal iron method. Meyer C, et al. Acta Histochem (Jena) 39:176-8, 1971
Reaction on histones with ammoniacal silver in the

developing rat retina. Mydlíwski A.
Acta Histochem (Jena) 38:83-91, 1970
Combined acriflavine-alcian blue staining of gastrointestinal sulfated mucopolysaccharides. Yamada K. Acta Histochem (Jena) 37:186-93, 1970
Electrolyte-induced ultrastructural changes in collagen fibres as shown by topo-optical staining reactions. Deák G.
Acta Morphol Acad Sci Hung 18:249-59, 1970
Fluorescent histochemical examination of connective tissue. IV. Application of flavophosphine in the histochemistry of acid mucopolysaccharides. Módis L, et al. Acta Morphol Acad Sci Hung 18:99-109, 1970
Collagen-specific topo-optical staining reaction with Congo red and its ultrastructural interpretation. Romhányi G, et al.
Acta Morphol Acad Sci Hung 18:261-82, 1970
Histochemical study of the fluorochrome affinity of juxtaglomerular granulated cells. Szokol M.
Acta Morphol Acad Sci Hung 18:283-91, 1970
A new procedure for whole-mount alcian blue staining of the cartilaginous skeleton of chicken embryos, adapted to the clearing procedure in potassium hydroxide. Simons EV, et al.
Acta Morphol Neerl Scand 8:281-92, May 71
Studies on nuclear structure by staining for acidic protein in the cervical smear. Morishita H.
Acta Obstet Gynecol Scand [Suppl] 16:78-86, Apr 71
Rose bengal vital staining. Staining of cornea and conjunctiva by 10 prcent rose bengal, compared with 1 percent. Norn MS.
Acta Ophthalmol (Kbh) 48:546-59, 1970
Cresyl fast violet--a selective stain for human C-cells. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:618-20, 1970
Histochemical staining reactions for enzyme activities applied to immunoprecipitates in agar diffusion. Rafteli M, et al.
Acta Pathol Microbiol Scand [B] 78:265, 1970
Effects of early and late treating of corneae after the death of animals on the staining properties of corneal acid mucopolysaccharides (AMPS). Cejková J.
Albrecht von Graefes Arch Klin Ophthalmol 181:12-6, 1970
The thyrotropic cell of the rat hypophysis as studied with peroxidase-labeled antibody. Baker BL, et al.
Am J Anat 131:55-71, May 71
A simplified and modified methyl green pyronin stain. Elias JM. Am J Clin Pathol 56:254, Aug 71
Immunohistochemical method for localization of antibodies in cutaneous disease. Fukuyama K, et al.
Am J Clin Pathol 54:410-8, Sep 70
A simplified cytologic staining technic. Liu W.
Am J Clin Pathol 54:767-8, Nov 70
A simplified and modified methyl green pyronin stain. Rogers ER, et al. Am J Clin Pathol 54:667-9, Oct 70
Laboratory suggestion: two technics for permanent staining of formalin-fixed protozoan cysts. Ruff MD, et al. Am J Clin Pathol 54:264-7, Dec 70
A modified Bodian Protargol stain for identification of striated muscle elements. Van de Velde RL, et al.
Am J Clin Pathol 54:768-71, Nov 70
Modified giemsa for demonstrating Nocardia asteroides filaments. Luna LG, et al.
Am J Med Technol 36:469-72, Oct 70
Staining of amino acids with benzoquinone in paper chromatography. Lorentz K, et al.
Anal Biochem 38:557-9, Dec 70
A highly sensitive procedure for detection of histones in polyacrylamide gels. Wray W, et al.
Anal Biochem 38:454-60, Dec 70
Osmium-zinc iodide reactivity in human blood and bone marrow cells. Clark MA, et al.
Anat Rec 170:81-95, May 71
Scanning electron microscopy of aortic endothelial cell boundaries after staining with silver nitrate. Garbarsch C, et al. Angiologica 7:365-73, 1970
Histochemical and X-ray fluorescent investigations on the pancreas of guinea pig after treating with $CoCl_2$. Petkov P, et al. Ann Histochim 16:41-50, Jan-Mar 71
Silver impregnation: collagenic and reticular fibers and the ground substance. Valdrighi L, et al.
Ann Histochim 16:29-40, Jan-Mar 71
Interferometric and histochemical investigation on collagen bundles: refractive indices and dry masses prior and after staining with orange G. Vidal B de C.
Ann Histochim 15:191-205, Jul-Sep 70
Dichroism in collagen bundles stained with Xylidine-Ponceau 2R. Vidal B de C.
Ann Histochim 15:289-96, Oct-Dec 70
A new approach to the study of non-acid-fast mycobacteria. Nyka W, et al.
Ann NY Acad Sci 174:862-71, 30 Oct 70
Staining with diazonium-blue B as an aid in the yeast diagnostic. Sonck CE, et al.
Antonie van Leeuwenhoek 35:Suppl:E27-8, Jun 69
Microorganisms in unamended soil as observed by various forms of microscopy and staining. Casida LE Jr.
Appl Microbiol 21:1040-5, Jun 71
Staining of bacteriophages for light microscopy. McCamish J, et al. Appl Microbiol 21:149, Jan 71
Rapid semiquantitative method for screening large numbers of virus samples by negative staining electron microscopy. Monroe JH, et al.
Appl Microbiol 20:259-62, Aug 70
Use of horseradish peroxidase-labeled antibody for light and electron microscope localization of reovirus antigen. Ubertini T, et al.
Appl Microbiol 21:534-8, Mar 71
Selective staining of A cells in the freeze-dried and formaldehyde-fixed adrenal medulla with toluidine blue and pseudoisocyanin. Kobayashi S, et al.
Arch Histol Jap 33:59-66, Mar 71
In vivo staining of pharyngeal and laryngeal cancer. Shedd DP, et al. Arch Surg 102:442-6, May 71
Appearance of bone marrow smears with necrotic tumor cells. Brittin GM, et al. Blood 38:229-31, Aug 71
Elastosis perforans serpiginosa--a diagnostic measure. Main RA, et al. Br J Dermatol 85:195-6, Aug 71
A new method for intra-operative identification of insulinomas. Keaveny TV, et al.
Br J Surg 58:233-4, Mar 71
Y-fluorescence of interphase nuclei. Polani PE, et al.
Br Med J 1:461, 20 Feb 71
Fluorescent staining of cat motoneurons in vivo with beveled micropipettes. Barrett JN, et al.
Brain Res 18:565-8, 17 Mar 70
Selective zinc iodide-osmium tetroxide impregnation of synaptoid vesicles in the rat neurohypophysis. Rufener C, et al. Brain Res 22:402-5, 16 Sep 70
Does silver impregnate normal and degenerating boutons? A study based on light and electron microscopical observations of the inferior olive. Walberg F. Brain Res 31:47-65, 7 Aug 71
The fluorescent staining of a mycobacteriophage (C2) nucleic acid. Menezes J.
Can J Microbiol 17:171-4, Feb 71
A modification of Heidenhain's iron-haematoxylin technique, as used to stain smears of Drosophila larval polytene chromosomes and neuroblast cells. Moorman AE. Can J Zool 49:133-3, Jan 71
Toluidine blue staining test for early detection of oral cancer: an adjunct to biopsy. Srivastava YC, et al.
Dent Dig 77:400-3, Jul 71
Specific staining for electron microscopy of murein sacculi of bacterial cell walls. Formanek H, et al.
Eur J Biochem 17:78-84, Nov 70
Cell concentration and the staining properties of nuclear deoxyribonucleoprotein. Bolund L, et al.
Exp Cell Res 62:76-89, Sep 70
Myogenesis in vitro as demonstrated by immunofluorescent staining with antimuscle serum. Dawkins RL, et al. Exp Cell Res 67:1-10, Jul 71
The validity of the eosin technique as an index of viability. Geczy AF, et al. Exp Cell Res 62:356-8, Oct 70
Characterization of microsomal membranes by negative staining technique. Prezbindowski KS, et al.
Exp Cell Res 50:241-56, May 68
Alcian blue as an electron stain. Rothman AH.
Exp Cell Res 58:177-9, Nov 69
Localization of ionic calcium in Amoeba proteus. Shida H. Exp Cell Res 63:385-90, Dec 70
Vital staining of neurosecretory material with acridine orange in the insect, Periplaneta americana. Beattie TM. Experientia 27:110-1, 15 Jan 71
A new small molecular tracer for permeability studies with the electron microscope. Brayser M, et al.
Experientia 27:115-6, 15 Jan 71
Silver staining of axons in subcellular fractions of nervous tissue. Kiernan JA.
Experientia 26:1352, 15 Dec 70
New mitochondrial inclusion revealed by negative staining. Munn EA. Experientia 27:170-1, 15 Feb 71
Interaction of glutaraldehyde with some micro-organisms. Munton TJ, et al.
Experientia 27:109-10, 15 Jan 71
Metachromasia in cultured fibroblasts of subjects with glycogenosis type II. Tenconi R, et al.
Experientia 26:1238-9, 15 Nov 70
Vital staining of cornea and conjunctiva. Norn MS.
Eye Ear Nose Throat Mon 50:294-9, Aug 71
Supravital staining of human spermatozoa. Eliasson R, et al. Fertil Steril 22:134-7, Feb 71
Staining of smooth muscle cell membranes in human prostata with phenazine methosulphate-containing incubating media for soluble dehydrogenases. Wohlrab F, et al.
Folia Histochem Cytochem (Krakow) 8:317-20, 1970
Independence of paraldehyde-fuchsin staining of the corpus cardiacum and the presence of the neurosecretory hormone required for egg development in the mosquito. Meola R, et al.
Gen Comp Endocrinol 16:105-11, Feb 71
The selective nerve stain leucomethylene blue as an intraoperative aid to achieving complete vagotomy. Frimer ML, et al. Gut 11:881-2, Oct 70
A comparative study of the laboratory diagnosis of gonorrhea. Hodges JR, et al.
Health Lab Sci 8:17-20, Jan 71
Effects of anhydrous benzoylation on staining with a variety of protein end-group methods. Curtis SK, et al.
Histochemie 23:185-8, 1970
Quantitative aspects of the ninhydrin-Schiff reaction on amino cellulose films and tissue sections. Dalen JP van, et al. Histochemie 26:180-9, 1971
Intensity of Feulgen staining of rat liver nuclei fixed with two different concentrations of formalin. Dutt MK. Histochemie 25:80-2, 1971
Cytochemical significance of acridine orange staining of human plasmodia with some comments on double-stranded DNA. Dutta GP.
Histochemie 24:29-32, 1970
Studies in lipid histochemistry. II. The nature of the material stained with acid haematein test and with OTAN reaction in red blood cells. Elleder M, et al.
Histochemie 24:21-8, 1970
Appearance of nuclear pore complexes after Bernhard's staining procedure. Franke WW, et al.
Histochemie 24:266-78, 1971
Golgi impregnation with mercuric chloride: studies on the precipitate by x-ray powder diffraction and selected area electron diffraction. Fregerslev S, et al.
Histochemie 26:289-304, 1971
Simultaneous differential staining of nucleic acids and proteins in histological tissues by means of J-band effect. Haag D, et al. Histochemie 26:190-3, 1971
Electron microscopy of lipofuscin pigment stained by the Schmöri and Fontana techniques. Hendy R.
Histochemie 26:311-8, 1971
Histochemical significance of green metachromasia to toluidine blue. Ramalingam K, et al.
Histochemie 24:322-7, 1970
pH effect on electron microscopical contrast with iron salts solutions. Sprumont P, et al.
Histochemie 26:228-37, 1971
A new staining technique for trachomatous tissue. Vali NA. Indian J Med Res 58:1643-6, Nov 70
A modification of the Masson-trichrome stain. Singh I.
Indian J Pathol Bacteriol 12:172-3, Oct 69
A differential staining technique for dead larvae of Nematospiroides dubius Baylis, 1926. Sadig SM.
Indian Vet J 47:828-32, Oct 70
Gram staining and its molecular mechanism. Biswas BB, et al. Int Rev Cytol 29:1-27, 1970 (180 ref.)
The surface coats of animal cells. Martínez-Palomo A.
Int Rev Cytol 29:29-75, 1970
pH and methylene blue staining of peripheral nerves. Fitter WF, et al. Ir J Med Sci 3:437, Sep 70
Aberrant nuclear division configurations occurring in the bone marrow of cancer patients. Perencevich EN.
J Am Osteopath Assoc 70:114-22, Oct 70
Elimination of the acid fastness but not the gram positivity of leprosy bacilli after extraction with pyridine. Fisher CA, et al. J Bacteriol 106:707-8, May 71
Specific staining of wall mannan in yeast cells with fluorescein-conjugated concanavalin A. Tkacz JS, et al. J Bacteriol 105:1-5, Jan 71
Electron microscopic studies of cartilage matrix using lysozyme as a vital stain. Eisenstein R, et al.
J Cell Biol 47:626-31, Sep 70
Electron microscopy of the ammoniacal silver reaction for histones in the erythropoietic cells of the chick. MacRae EK, et al. J Cell Biol 45:235-45, May 70
A method for staining intracellular antigens in thin sections with ferritin-labeled antibody. Shahrabadi MS, et al. J Cell Biol 50:246-50, Jul 71
Cytochemical staining of the golgi apparatus in Amoeba proteus. Wise GE, et al. J Cell Biol 47:620-6, Sep 70
Silver staining of ribosomal proteins. Smith JW, et al.
J Cell Sci 9:253-69, Jul 71
Rapid staining of proteins and peptides in starch gels by chlorination. Darskus RL.
J Chromatogr 55:424-5, 3 Mar 71
An improved technique for the analysis of amino acids and related compounds on thin layers of cellulose. 3. Detection and identification by selective staining. Heathcote JG, et al. J Chromatogr 51:267-75, 16 Sep 70
Cellular contamination during automatic and manual staining of cytological smears. Levene M.
J Clin Pathol 24:91, Feb 71
Some effects of mucopolysaccharide stains on platelet aggregation. O'Brien JR. J Clin Pathol 23:784-8, Dec 70
Methods of fixation and the morphology of synaptic vesicles. Valdivia O. J Comp Neurol 142:257-73, Jul 71
Structure of aortic elastic fiber: an electron microscopic study with special reference to staining by ruthenium red. Yu SY, et al.
J Electron Microsc (Tokyo) 19:362-70, 1970
Further studies on metachromasia in cultured human fibroblasts. Staining of glycosaminoglycans (mucopolysaccharides) by Alcian blue in salt solutions. Danes BS, et al.
J Exp Med 132:765-74, 1 Oct 70
Fine structure of influenza A2 (Singapore) as revealed by negative staining, freeze-drying and freeze-etching. Nermut MV, et al.
J Gen Virol 10:37-51, Jan 71
A new electron-dense stain for elastic tissue. Albert EN, et al. J Histochem Cytochem 18:697-706, Oct 70
Comments on simultaneous demonstration of deoxyribonucleic acid, ribonucleic acid and lipids. Dutta GP, et al.
J Histochem Cytochem 19:252-3, Apr 71
Visualization in freeze-dried tissue sections of structures to be studied by quantitative histochemistry. Hellman B, et al.
J Histochem Cytochem 19:186-91, Mar 71
Centrifugal cytology. I. A quantitative technique for the preparation of glutaraldehyde-fixed cells for the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

light and scanning electron microscope. Leif RC, et al. J Histochem Cytochem 19:203-15, Apr 71
Electron staining with uranyl acetate. Possible role of free amino groups. Lombardi L, et al. J Histochem Cytochem 19:161-8, Mar 71
Fluorescent-protein staining of nucleoli in monolayer cell cultures: determinants and significance. Maisel JC. J Histochem Cytochem 18:746-55, Oct 70
Metachromatic staining of sodium bisulfite addition derivatives of glycogen. Malinin GI. J Histochem Cytochem 18:834-41, Nov 70
The staining and chromium binding of rat brain tissue and of lipids in model systems subjected to Baker's acid hematein technique. Roozemond RC. J Histochem Cytochem 19:244-51, Apr 71
The invalidity of "phosphotungstic acid as a specific electron stain for complex carbohydrates". Scott JE, et al. J Histochem Cytochem 19:63-4, Jan 71
An osmiophilic distyryl ditetrazolium salt (DS-NBT) for ultrastructural dehydrogenase activity. Seligman AM, et al. J Histochem Cytochem 19:273-85, May 71
Cellular architecture of the stratum corneum. Christophers E. J Invest Dermatol 56:165-9, Mar 71
Intercellular spaces of the human epidermis as demonstrated with lanthanum. Hashimoto K. J Invest Dermatol 57:17-31, Jul 71
Staining of the vagus nerve in vagotomy. Beesley WH. J Ir Med Assoc 63:451-2, Dec 70
Identification of the human sex chromosome complement in polymorphonuclear leukocytes: a new technique. Dallapiccola B. J Lab Clin Med 78:88-93, Jul 71
An improved Sirius red method for amyloid. Llewellyn BD. J Med Lab Technol 27:308-9, Jul 70
Bulk staining method for the alpha and beta cells of pancreatic islets. McGadey J. J Med Lab Technol 27:310-1, Jul 70
Mechanism of glycogen staining by Best's carmine and other dyes. Murgatroyd LB. J Med Lab Technol 27:512-27, Oct 70
An improved counting method for motile protozoan cultures. Erhan S, et al. J Microsc 90:161-4, 1969
Some observations on the relative dehydration rates of negative stains and biological objects. Johnson MW, et al. J Microsc 91:197-202, 1970
Ruthenium red staining of ultrathin sections of human mast-cell granules. Kobayasi T, et al. J Microsc 93:55-60, Feb 71
A technique for the specific staining of macromolecules and viruses with ferritin-antibody conjugates. McLean JD, et al. J Mol Biol 56:633-5, 28 Mar 71
Ruthenium red-stained coat of normal and simian virus 40-transformed cells. Vorbrodt A, et al. J Natl Cancer Inst 43:1241-8, Dec 69
The interaction between peripheral nerve polyanions and Alcian blue. Langley OK. J Neurochem 17:1535-41, Nov 70
In vitro staining of intramuscular nerve endings. Evans RH, et al. J Neurol Neurosurg Psychiatry 33:783-5, Dec 70
125I-oil red O: chromatography, radiopurity, and lipid binding. Peña HG, et al. J Nucl Med 12:245-8, May 71
Cellular metachromasia in cystic fibrosis. Reed GB, et al. J Pathol 101:251-7, Jul 70
Y-specific fluorescence in peripheral blood leukocytes. Thuline HC. J Pediatr 78:875-6, May 71
Further evaluation of an intra vitam staining method for the detection of early in vivo antischistosomal effects. Bourgeois JG, et al. J Pharmacol Exp Ther 176:455-63, Feb 71
Two non-injection methods for displaying vascular pattern in histological sections. Gallup AL, et al. J Physiol (Lond) 210:119P+, Sep 70
Membrane staining by uranyl cation in smooth muscle. Wolowyk MW. J Physiol (Lond) 217:3P-5P, Aug 71
Discoloration test of acrylic resin fillings by an organic dye. Fusayama T, et al. J Prosthet Dent 25:532-9, May 71
The tridimensional structure of native collagenous fibrils, their proteinaceous filaments. Bouteille M, et al. J Ultrastruct Res 35:314-38, May 71
The arrangement of subunits in the shell of ferritin. Electron microscopic observations of molecules negatively stained with uranyl acetate. Easterbrook KB. J Ultrastruct Res 33:442-50, Dec 70
A negative staining study of human erythrocyte ghosts and rat liver nuclear membranes. Harris JR, et al. J Ultrastruct Res 33:219-32, Nov 70
Extent of stain penetration in sections prepared for electron microscopy. Peters A, et al. J Ultrastruct Res 36:37-45, Jul 71
The morphological alteration of particulate glycogen by en bloc staining with uranyl acetate. Vye MV, et al. J Ultrastruct Res 33:278-91, Nov 70
Identification of oil-red-O stained granules in sputum macrophages. Pickren JW. JAMA 215:1985, 22 Mar 71
Complexes of organic acids with calcium phosphate: the von Kossa stain as a clue to the composition of bone mineral. Bills CE, et al. Johns Hopkins Med J 128:194-207, Apr 71
Quinacrine mustard staining solves the length variations of the human Y chromosome. Laberge C, et al. Johns Hopkins Med J 128:79-83, Feb 71
Amyloid, its nature and molecular structure. Comparison of a new toluidine blue polarized light method with traditional procedures. Wolman M. Lab Invest 25:104-10, Aug 71
Slide impregnation method for Treponema pallidum and other spirochetes. Di Virgilio G, et al. Lab Pract 19:1028-30, Oct 70
Simple nervous tissue stain for axons using Sirius red F3BA and Sirius supra blue FGL-CF. Traill MA. Lab Pract 19:909, Sep 70
Heparin-induced metachromasia. Befalluy E, et al. Lancet 1:973, 8 May 71
Dyeing the Y chromosome. Lancet 1:275-6, 6 Feb 71
Where have all the XYYs gone? Lancet 1:687, 3 Apr 71
New histochemical method for morphologic diagnosis of early stages of myocardial ischemia. Lie JT, et al. Mayo Clin Proc 46:319-27, May 71
An elastin stain. Miller PJ. Med Lab Technol 28:143-9, Apr 71
Fluorescent staining of human chromosomes. Gerald PS. N Engl J Med 284:788-9, 8 Apr 71
A modified stain for the hepatic fat storing cell. Watari N. Nagoya Med J 16:219-24, Mar 71
Quinacrine fluorescence of the human Y chromosome. Borgaonkar DS, et al. Nature (Lond) 230:52, 5 Mar 71
Distinguishing between the chromosomes involved in Down's syndrome (trisomy 21) and cronic myeloid leukaemia (Ph1) by fluorescence. O'Riordan ML, et al. Nature (Lond) 230:167-8, 19 Mar 71
Quinacrine fluorescence in mammalian chromosomes. Pearson PL, et al. Nature (Lond) 231:326-9, 4 Jun 71
Identification of Y and X chromosomes in amniotic fluid cells. Rook A, et al. Nature (Lond) 230:53, 5 Mar 71
Staining of satellite DNA in metaphase chromosomes. Yunis JJ, et al. Nature (Lond) 231:532-3, 25 Jun 71
Still more light on human chromosomes. Nature (Lond) 230:145, 19 Mar 71
Differential staining patterns of heterochromatin in man. Gagné R, et al. Nature [New Biol] 232:29-30, 7 Jul 71
Distinglishing between X, Y and YY-bearing human spermatozoa by fluorescence and DNA content. Sumner AT, et al. Nature [New Biol] 229:231-3, 24 Feb 71
New technique for distinguishing between human chromosomes. Sumner AT, et al. Nature [New Biol] 232:31-2, 7 Jul 71
Lighting up human genetics. Nature [New Biol] 229:225, 24 Feb 71
[Current morphologic methods in neurosurgery. 3. Histochemistry] Ginsbourg M. Neurochirurgie 17:Suppl 1:74-88, May 71
Ferritin-conjugated plant agglutinins as specific saccharide stains for electron microscopy: application to saccharides bound to cell membranes. Nicolson GL, et al. Proc Natl Acad Sci USA 68:942-5, May 71
Properties of squid axon membrane as revealed by a hydrophobic probe, 2-p-toluidinylnaphthalene-6-sulfonate. Tasaki I, et al. Proc Natl Acad Sci USA 68:938-41, May 71
The use of an invisible fluorescent marker to delineate radiotherapy treatment fields. Cowan RJ, et al. Radiology 97:681-2, Dec 70
Staining of pathogenic fungi with trypan blue. Sampaio MM, et al. Rev Inst Med Trop Sao Paulo 13:223-4, May-Jun 71
The alteration of mast cell staining due to various fixatives and demineralizing agents. Eda S, et al. Scand J Dent Res 78:217-31, 1970
Some methods for fluorochromation and staining of rat mast cells with bacic dyes. Hals E. Scand J Dent Res 78:301-10, 1970
Threonine deaminase: a novel activity stain on polyacrylamide gels. Feldberg RS, et al. Science 170:1414-5, 25 Dec 70
Phenylthioacetate as a stain for cholinesterase. McEnroe WD. Science 171:928, 5 Mar 71
Identification of each human chromosome with a modified Giemsa stain. Patil SR, et al. Science 173:821-2, 27 Aug 71
The gram stain in eye infections. Johnson AH, et al. South Med J 64:702 passim, Jun 71
Supravital staining and fixation of brain and spinal cord by intravascular perfusion. Augulis V, et al. Stain Technol 46:183-90, Jul 71
Use of gallocyanin as a myelin stain for brain and spinal cord. Augulis V, et al. Stain Technol 46:137-43, May 71
Protective paraffin infiltration of soft tissues in insects to facilitate softening of hard exoskeletons. Barróa-Pita JC. Stain Technol 46:171-5, Jul 71
Differential nucleolar staining of malignant and benign tissues with pontacyl dark green B. Bedrick AE. Stain Technol 45:273-6, Nov 70
Ubisch granules on tapetal membranes in anthers; rapid selective staining by spirit blue. Bhandari NN, et al. Stain Technol 46:15-7, Jan 71
Photographic mapping of a tissue surface to locate fields for electron microscopy; mouse lung. Boatman ES, et al. Stain Technol 46:63-9, Mar 71
Sequential use of Wright's and Ziehl-Neelsen's stains for demonstrating phagocytosis of bacterial spores. Booth R, et al. Stain Technol 46:23-6, Jan 71
Unmasking of proteins by in vitro methylation of rat liver RNA during azo dye carcinogenesis. Brière N. Stain Technol 46:201-6, Jul 71
An eosin-fast green-naphthol yellow mixture for differential staining of cytologic components in mammalian spermatozoa. Bryan JH. Stain Technol 45:231-6, Sep 70
The use of carbon and carmine particles in cell fusion experiments to distinguish hybrids from parental cells. Buehring GC. Stain Technol 46:163-4, May 71
Notes on technic. Reducing breakage of metaphase plates in Feulgen-stained root tips of wheat; ice-water storage before squashing. Dvorak J. Stain Technol 46:93-4, Mar 71
Staining of amyloid by buffered Congo red in 50 per cent ethanol. Eastwood H, et al. Stain Technol 46:205-9, Jul 71
Adaptation of the Millon, Sudan black B, and periodic acid-Schiff technics for block staining of insect tissues. Gerber GH. Stain Technol 45:225-9, Sep 70
Mounting and thionin counterstaining of Fink-Heimer-stained sections of dog brain. Haney L, et al. Stain Technol 46:159-60, May 71
An improved crystal violet method with alkaline differentiation for juxtaglomerular granules. Harada K. Stain Technol 46:155-6, May 71
Teflon membrane slide culture for phase microscope observation of fungi. Hartmann GC. Stain Technol 46:100-1, Mar 71
Fink-Heimer silver impregnation of degenerating axons and terminals in mounted cryostat sections of fresh and fixed brains. Hjorth-Simonsen A. Stain Technol 45:199-204, Sep 70
Basic fuchsin in acid alcohol: a simplified alternative to Schiff reagent. Horobin RW, et al. Stain Technol 46:53-8, Mar 71
Aldehyde-fuchsin followed by toluidine blue O for pancreatic islet cells. Kaliman J. Stain Technol 46:210-1, Jul 71
Commercial hair sprays as fixatives for hematological cytochemistry. Kaplow LS. Stain Technol 46:177-82, Jul 71
Acid-fast staining for hooklets of echinococcus. Kenney M, et al. Stain Technol 46:160-1, May 71
Epidermal and cuticular mounts of plant material obtained by maceration. Kiger RW. Stain Technol 46:71-5, Mar 71
Rapid chromosome and sex-chromatin staining with pinacyanol. Klinger HP, et al. Stain Technol 46:43-7, Mar 71
Intensification of osmium staining by p-phenylenediamine: paraffin and epon embedding; lipid granules in renal medulla. Ledingham JM, et al. Stain Technol 45:255-60, Nov 70
Difficulties in ferrous iron mordant hematoxylin staining and some hematoxylin substitutes. Lillie RD, et al. Stain Technol 46:145-9, May 71
Differentiating type I and type II alveolar cells in rat lung by OsO4-NaI staining. McNary WF Jr, et al. Stain Technol 45:215-9, Sep 70
Keratin in the EGG shells of amphistomes; histochemical differentiation from quinone tanned protein in other trematoda. Madhavi R. Stain Technol 46:105-9, May 71
A comparison of adhesives useable in the cold for the preparation of cryostat sections. Maxwell A, et al. Stain Technol 46:167-9, Jul 71
Combined staining by thioiacetic acid and Bielschowsky methods. Nakata T, et al. Stain Technol 46:151-3, May 71
Methyl green-pyronin for staining autoradiographs of hydroxyethyl methacrylate-embedded lymphoid tissue. North RJ. Stain Technol 46:59-62, Mar 71
The use of a chrome alum-gelatin (subbing) solution as a general adhesive for paraffin sections. Pappas PW. Stain Technol 46:121-4, May 71
Alcian blue as an en bloc stain for turtle lung goblet cells, with and without prior periodate oxidation. Perry SF. Stain Technol 46:191-4, Jul 71
Xylenol orange, a fluorochrome useful in polychrome sequential labeling of calcifying tissues. Rahn BA, et al. Stain Technol 46:125-9, May 71
Staining algal pyrenoids with carmine after fixation in an acidified hypochlorite solution. Rosowski JR, et al. Stain Technol 45:293-8, Nov 70
Reuse of chromosome preparations for fluorescent staining. Rowley JD, et al. Stain Technol 46:97-9, Mar 71
Embedding media for 1-2 micron sectioning. 3. Hydroxyethyl methacrylate-benzoyl peroxide activated with pyridine. Ruddell CL. Stain Technol 46:77-83, Mar 71
Staining salivary sheaths of feeding aphids; a simple Prussian blue reaction for paraffin sections. Saxena PN. Stain Technol 45:241-2, Sep 70
Preservation and long-term storage of Feulgen-stained mouse tissues for subsequent autoradiography. Schmeer AC. Stain Technol 46:27-31, Jan 71
Basic two-dye stains for epoxy-embedded 0.3-1 sections. Sievers J. Stain Technol 46:195-9, Jul 71
Rhodanile blue: a rapid and selective stain for Heinz bodies. Simpson CF, et al. Stain Technol 45:221-3, Sep 70
Saponification of methylated mucosubstances at low

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

temperatures. Sorvari TE, et al.
Stain Technol 46:49-52, Mar 71
A one-solution triacid general stain which differentiates oxygenated from nonoxygenate red blood corpuscles. Steedman HF.
Stain Technol 45:247-53, Nov 70
Fluorescent staining of juxtaglomerular cells in frozen sections. Szokol M, et al.
Stain Technol 46:102-3, Mar 71
Grimelius' silver stain for endocrine cell granules, as shown by electron microscopy. Vassallo G, et al.
Stain Technol 46:7-13, Jan 71
Glutaraldehyde-ammoniacal silver carbonate-formaldehyde staining of histones of mitotic chromosomes. Vidal OR, et al.
Stain Technol 46:89-92, Mar 71
Staining osteoid seams in thin slabs of undecalcified trabecular bone. Wei JK, et al.
Stain Technol 45:193-8, Sep 70
Embedding free-floating cells in stained agar for rapid scanning and subsequent ultramicrotomy. Winters C, et al. Stain Technol 46:161-2, May 71
Transfer of malaria parasites during staining of thick blood films. Thaver S.
Trans R Soc Trop Med Hyg 65:2, 1971
A method to increase the sensitivity of the lymphocyte microcytotoxicity test. Nelken D, et al.
Transplantation 10:346-7, Oct 70
Tract orientation and the intensity of myelin staining. Barbolini G, et al.
Virchows Arch [Zellpathol] 8:284-7, 1971
The routine demonstration of C cells in human and animal thyroid glands. Value of a simple silver stain. De Grandi P.
Virchows Arch [Zellpathol] 6:137-50, 1970
Negatively stained mycoplasmas: fact or artifact? Wolanski B, et al. Virology 42:319-27, Oct 70
A pigmented gelatin mass for vascular injection. Hales MR, et al. Yale J Biol Med 43:257-70, Feb-Apr 71
Alcian dyes in calcium chloride: a routine selective method to demonstrate mucins. Putt FA.
Yale J Biol Med 43:279-82, Feb-Apr 71
[Examination of serum lactate dehydrogenase (LDH) using the fast staining test (Fermognost rapid staining test for LDH)] Jelínek V, et al.
Vnitr Lek 17:75-8, Jan 71 (Cze)
[New staining methods for semi-thin sections of Araldit embedded tissues. Light, phase contrast, and fluorescent microscopy studies] Musy JP, et al.
Acta Anat (Basel) 77:37-49, 1970 (Fre)
[Principle of measurement of cytochemical staining using the phase contrast microscope] Vitalis S, et al.
Ann Inst Pasteur (Paris) 117:231-42, Aug 69 (Fre)
[Reliability of amyloid stains in medullary carcinoma of the thyroid gland] Gérard-Marchant R, et al.
Arch Anat Pathol (Paris) 19:19-23, Mar 71 (Fre)
[Cytologic examination of cerebrospinal fluid. Vital and semi-vital staining with polychrome blue. Cytologic image of the cerebrospinal fluid] Tassovatz B. Bord Med 4:833-4 passim, Mar 71 (Fre)
[Comparative ultrastructural study of the interphasic nucleus in the quail (Coturnix coturnix japonica) and the chicken (Gallus gallus) by the regressive EDTA staining method] Le Douarin N.
C R Acad Sci [D] (Paris) 272:2334-7, 3 May 71 (Fre)
[Electron microscopy study of the reconstruction of the mucosa in the isolated gastric pouch in the rabbit. I. Persistence or priority of argyrophil cells] Beauville M, et al.
C R Soc Biol (Paris) 164:1633-5, 1970 (Fre)
[Study of the mechanism of staining of amyelinic nervous fibres with the Champy-Maillet reagent. 2. Physico-chemical factors] David C, et al.
C R Soc Biol (Paris) 164:1928-30, 1970 (Fre)
[Study of beer drinkers' cardiomyopathy with the use of acid fuchsin stain] Couture G, et al.
Can Med Assoc J 104:994-7, 5 Jun 71 (Fre)
[Marking a parathyroid adenoma by isotope detection and elective staining] Leger L, et al.
Chirurgie 97:425-30, May-Jun 71 (Fre)
[Histochemistry of block staining with metals for semifine sections] Musy JP, et al.
Histochemie 25:310-21, 1971 (Fre)
[Observations on the specificity of staining of phosphotungstic and phosphomolybdic acid] Palladini G, et al. Histochemie 24:315-21, 1970 (Fre)
[Stainings and histochemical reactions applicable to semi-fine sections in the study of renal biopsies (technics)] Hebreard J, et al.
J Urol Nephrol (Paris) 76:846-52, Sep 70 (Fre)
[Routine utilization of P.A.S. technic on autopsy myocardium samples] Amours C d'.
Laval Med 40:283, Mar 69 (Fre)
[Fuchsinophilic myocardial degeneration] Côté G, et al.
Laval Med 41:946-50, Sep 70 (Fre)
[Application of staining technics used in optic microscopy to the semifine sections of electron microscopy] Kühn C.
Med Lab (Stuttg) 23:204-16, Sep 70 (Fre)
[Application of coloration technics used in optic microscopy in the semi-fine sections of electron microscopy] Kühn C.
Med Lab (Stuttg) 23:235-40, Oct 70 (Fre)
[New method of staining Trichomonas] Francechini P.
Presse Med 79:486-7, 27 Feb 71 (Fre)
[Value of the study of the amniotic cells colored with Nile blue sulphate to determine the term of pregnancy] Henrion R, et al.
Presse Med 78:1942, 24 Oct 70 (Fre)
[Study of mandibular lines of strength by the colored fissuration lines method] Jourde J, et al.
Rev Stomatol Chir Maxillofac 72:27-38, Jan-Feb 71 (Fre)
[On the fixing and staining of the ovaries of Diptera of medical importance] Lebied B.
Riv Parassitol 30:59-62, Mar 69 (Fre)
[Staining of nucleic acids with methyl green-safranine] Krutsay M.
Acta Histochem (Jena) 38:352-5, 1970 (Ger)
[Demonstration of iron in tissues by means of chlorate haematoxylin staining] Kutlák IE.
Acta Histochem (Jena) 37:259-67, 1970 (Ger)
[Fluorescence histochemistry demonstration of amyloid with thioflavin S and acridine orange] Stiller D, et al. Acta Histochem (Jena) 38:18-30, 1970 (Ger)
[Immunohistological studies on swine fever. I. Method of localization of the swine pest virus in the organ tissue of experimentally infected swine using direct immunofluorescence in conjunction with Evan's blue contrast staining] Engler E, et al.
Arch Exp Veterinaermed 24:481-501, 1970 (Ger)
[Various color reactions of the Arnold reagent] Kovar KA, et al.
Arch Pharm (Weinheim) 304:595-602, Aug 71 (Ger)
[Morphologic methods in routine diagnostics of kidney pathology (glomerulonephritis)] Wehner H.
Beitr Pathol 141:402-3, 1970 (Ger)
[Metachromatic studies on corneal ground substance in the Arthus phenomenon] Thiel HJ, et al.
Ber Dtsch Ophthalmol Ges 70:48-50, 1970 (Ger)
[Quantitative determination of DNA in Feulgen stained brain cells of ants. II. Influence of the environment on the extinction] Hauschteck-Jungen E.
Chromosoma 32:79-96, 2 Dec 70 (Ger)
[The importance of peroxidase staining in the diagnosis of pyelonephritis] Heller H, et al.
Dtsch Gesundheitsw 25:545-8, 18 Mar 71 (Ger)
[Histological and spectrophotometrical investigations to determine the "strength of metachromotropy" by dichlorpseudoisocyanine] Reutter K, et al.
Histochemie 24:187-96, 1970 (Ger)
[Staining of human chromosomes with acetic-acid-quinacrine] Kim A, et al.
Humangenetik 12:257-60, 1971 (Ger)
[Fluorescein staining of cysts of the orbiculus ciliaris] Slezak H.
Klin Monatsbl Augenheilkd 156:372-6, Mar 70 (Ger)
[Quantitative determination of the enzyme contents and the PAS-positive substances of bone marrow cells in vivo and in vitro. Acid and alkaline phosphatase, alpha-naphtylacetate-esterase, peroxidase and PAS-reaction in 3-day bone marrow clot culture] Boll I, et al. Klin Wochenschr 48:1233-9, 15 Oct 70 (Ger)
[Fluorescent microscopy detection of human Y-chromosome in interphase nuclei using acridine derivatives ("atebrin", "acranil")] Majewski F, et al.
Klin Wochenschr 49:814-8, 15 Jul 71 (Ger)
[Experimental studies on intravital staining of lymphoid tissue. Chromolymphography] Speisberg F, et al. Langenbecks Arch Chir 322:835-43, 1968 (Ger)
[A new and simple staining method of gelatin injection for microscopic purposes] Kaman J.
Mikroskopie 26:264-7, Nov 70 (Ger)
[Double staining of semi-thin sections with basic dyes] Morgenroth K Jr, et al.
Mikroskopie 26:260-3, Nov 70 (Ger)
[Microspectrophotometric studies of living cells of shell leaf epidermis of Allium cepa after acridine orange staining] Tsekos I.
Mikroskopie 26:30-40, Jun 70 (Ger)
[In-vivo staining of vagus fibers during vagotomy] Berchtold R, et al.
Schweiz Med Wochenschr 100:1216-7, 11 Jul 70 (Ger)
[Control of completeness of vagotomy following peroperative vital staining of vagus fibers] Maurer W, et al.
Schweiz Med Wochenschr 101:751-2, 22 May 71 (Ger)
[Modification of the methyl green-pyronine stain for studies on the function of the reticuloepithelial cells of the thymus] Erti N.
Verh Dtsch Ges Pathol 54:338-9, 1970 (Ger)
[Electron microscopic findings using ruthenium red in the juxtaglomerular apparatus] Cossel L.
Virchows Arch [Pathol Anat] 353:289-301, 1971 (Ger)
[Rapid dyeing of Mycobacteria for fluorescence microscopic demonstration] Ulber H.
Z Erkr Atmungsorgane 133:462-4, Dec 70 (Ger)
[Structural peculiarities of the Anuran epiphysis following prolonged osmium treatment and application of the acetylcholinesterase reaction] Ueck M.
Z Zellforsch Mikrosk Anat 112:526-41, 1971 (Ger)
[Demonstration of tubercle bacilli in tissue sections with DMSO-containing dye solutions] Heinicke G, et al. Zentralbl Allg Pathol 114:15-9, 1971 (Ger)
[The diagnostic value of bacterial silver impregnation according to the method of Levaditi] Wöckel W, et al.
Zentralbl Allg Pathol 113:318-21, 1970 (Ger)
[Diagnostic results with the quick staining method of cytologic smears] Grünberger V.
Zentralbl Gynaekol 92:1551-5, 21 Nov 70 (Ger)
[Autoradiography of semi-thin sections fixed in osmium and embedded in araldide stained with different methods before film application] Fagiolo U, et al. Ann Ist Super Sanita 5:622-4, 1969 (Ita)
[NBT-test used on Mycoplasma] Balducci L, et al.
Boll Soc Ital Biol Sper 46:724-5, 30 Sep 70 (Ita)
[Metachromasia of elastic arteries at determined pH in relation to the optical density of the sections] Battaglia G.
Boll Soc Ital Biol Sper 46:834-7, 30 Oct 70 (Ita)
[Histophotometry of the acid mucopolysaccharides in the carotid sinus of the dog and cat] Battaglia G.
Boll Soc Ital Biol Sper 46:838-40, 30 Oct 70 (Ita)
[Adsorption of some basic dyes in pathogenic strains Candida albicans and Cryptococcus neoformans] Costa AL, et al.
Boll Soc Ital Biol Sper 45:594-7, 15 May 69 (Ita)
[Stainability and resistance to enzymatic digestion of agar precipitates from RNA and anti-RNA rabbit serums] Forni G, et al.
G Batteriol Virol Immunol 63:39-42, Jan-Jun 70 (Ita)
[Fluorochromization with acridine orange in the study of human spermatozoa] Floris F, et al.
Minerva Ginecol 21:1253-4, 30 Sep 69 (Ita)
[Morphologic aspects of human spermatozoa after fluorescent staining with acridine orange] Floris F, et al. Minerva Ginecol 22:456-7, 30 Apr 70 (Ita)
[A new method of silver impregnation of nerve tissue] Alessi A, et al. Pathologica 61:1-4, Jan-Feb 69 (Ita)
[The use of fluorescence microscopy for histopathologic preparations stained by hematoxylin eosin] Novelli A. Pathologica 61:5-16, Jan-Feb 69 (Ita)
[The use of the alcian-PAS-cresyl violet technic in the study of granular cells of the connective tissue in rats] Catini C. Sperimentale 119:299-327, Jul-Aug 69 (Ita)
[Electron microscopic observations on connective tissues using ruthenium red staining] Kajikawa K, et al. J Electron Microsc (Tokyo) 19:347-54, 1970 (Jap)
[The osmium tetroxide procedure as applied to synthetic polymer materials] Kato K.
J Electron Microsc (Tokyo) 19:1-5, 1970 (Jap)
[Differentiation of the two layers of carious dentin by staining] Terashima S.
J Jap Stomatol Soc 37:279-86, Dec 70 (Jap)
[Mixed culture of lymphocytes by a new improved fixation and staining method--with special reference to reversion to blast forms in the cells of the lymph nodes and thymus] Hayashi M.
Jap J Allergy 19:794-9, Oct 70 (Jap)
[Determination of the fixation time based on tissue deformity and stainability] Arai S, et al.
Jap J Clin Pathol 19:367-70, May 71 (Jap)
[Introduction of the Hansei stain] Saito Y, et al.
Otolaryngology (Tokyo) 42:931-4, Nov 70 (Jap)
[Evaluation of the histological technic at fixation decalcification and staining of hard tissue] Mjör IA.
Odontol Tidskr 77:403-19, 31 Dec 69 (Nor)
[Specific staining of 6 chromosome in a Y body] Romer TE. Endokrynol Pol 22:163-5, 1971 (Pol)
[Method for staining nervous tissue and argentaffin fibers] Podskarbi H.
Folia Morphol (Warsz) 29:395-9, 1970 (Pol)
[Glycoproteins. Staining method in paper electrophoresis] Barretto OC, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:23-4, Jan-Feb 71 (Por)
[Morphology of the chromophobic phase of the interneuronal synapse in the central nervous system] Iontov AS, et al.
Arkh Anat Gistol Embriol 59:16-21, Sep 70 (Rus)
[Modifications of the means of staining the agent of histoplasmosis in tissue sections] Lesovoĭ VS.
Arkh Patol 32:75-7, 1970 (Rus)
[Tinctorial properties of uterine epithelium nucleic acids with different estrogen concentrations in the body] Budik VM.
Biull Eksp Biol Med 66:93-6, Sep 68 (Rus)
[Use of the method of vital staining of tissues for revealing the effect of small doses of chemical substances] Shtabskiĭ BM, et al.
Gig Sanit 36:51-3, 1971 (Rus)
[Use of the cation blue 2K stain for the staining of basophilic leukocytes in a chamber] Shubich MG, et al.
Lab Delo 8:489-91, 1970 (Rus)
[Dynamics of penetration of vital dyes into the crab axon] Geĭman KhM, et al.
Tsitologiia 13:182-9, Feb 71 (Rus)
[New staining method for the histopathological diagnosis of amyloidosis] Garrido CM, et al.
Arch Fund Roux Ocefa 3:225, 1969 (Spa)
[Determination of endothelial viability in perforating keratoplasties] Fernandez Meijide RE, et al.
Arch Oftalmol B Aires 45:143-52, Apr 70 (Spa)
[Our method for staining inclusion cells in the synovial fluid of rheumatoid arthritis] Gómez Martínez G, et al.
Rev Esp Reum Enferm Osteoartic 13:494-9, Oct 70 (Spa)
[Diagnosis of cervix displasia by the toluidine test]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Nágel J, et al.
Rev Obstet Ginecol Venez 30:415-8, 1970 (Spa)
[Evaluation of Schiller's test] Nágel J, et al.
Rev Obstet Ginecol Venez 30:409-13, 1970 (Spa)

HISTORY

The history of the Ziehl-Neelsen stain. (Ziehl F), (Neelsen FC), Bishop PJ, et al.
Tubercle 51:196-206, Jun 70

STANDARDS

Alcian blue--a consumers' guide. Scott JE, et al.
J Histochem Cytochem 18:842, Nov 70
The storage of Weigert's iron haematoxylin. Ibeachum GI. Med Lab Technol 28:117-20, Apr 71
Basic fuchsin and the preparation of Schiff's reagent. Lane RF, et al. Med Lab Technol 28:28-34, Jan 71
A comparison of assay values with actual staining obtained from commercial hemateins. McClure TD, et al. Stain Technol 45:261-3, Nov 70

STAMMERING see under STUTTERING (C10, F2)

STANNUM see TIN (D1)

STANOLONE (D2, D8)

Androgenicity in the rat fetus of metabolites of testosterone and antagonism by cyproterone acetate. Goldman AS, et al. Endocrinology 89:276-80, Jul 71

ANALYSIS

Hydrotestosterone in testicular tissue, and its androgenic potency in vivo. Jeffcoate WJ, et al.
J Endocrinol 48:199-204, Oct 70
Detection of 17 beta-hydroxy-5 alpha-androstan-3-one-3H following administration of testosterone-3H in the androgen dependent mouse tumor, Shionogi carcinoma 115. Yamaguchi K, et al.
Steroids 17:345-55, Mar 71

ANTAGONISTS & INHIBITORS

Mechanism of androgenic action: effect of specific intracellular inhibitors. Walsh PC, et al.
J Urol 105:850-7, Jun 71

BIOSYNTHESIS

Dihydrotestosterone formation in fetal tissues of the rabbit and rat. Wilson JD, et al.
Endocrinology 89:659-68, Sep 71
Differential rates of conversion of testosterone to dihydrotestosterone in acne and in normal human skin--a possible pathogenic factor in acne. Sansone G, et al. J Invest Dermatol 56:366-72, May 71

BLOOD

Antibodies to testosterone-3-bovine serum albumin, applied to assay of serum 17-beta-ol androgens. Chen JC, et al. Clin Chem 17:581-4, Jul 71
Determination of testosterone binding affinity, 17-beta-ol androgens, and free androgen index in hirsute women. Pohlman C, et al.
Clin Chem 17:585-6, Jul 71
Kinetics of dissociation of 17-beta-hydroxysteroids from the steroid binding beta-globulin of human plasma. Heyns W, et al.
J Clin Endocrinol Metab 32:147-54, Feb 71
The metabolic clearance rate and origin of plasma dihydrotestosterone in man and its conversion to the 5-alpha-androstanediols. Mahoudeau JA, et al.
J Clin Invest 50:1338-44, Jun 71

METABOLISM

Incorporation of testosterone and 5-alpha-dihydrotestosterone into rat ventral prostate in vitro. Shimazaki J, et al.
Endocrinol Jap 17:453-8, Dec 70
Estrogen and castration-induced effects on canine prostatic fine structure and C-19-steroid metabolism. Leav I, et al. Endocrinology 89:465-83, Aug 71
The metabolic clearance rate and origin of plasma dihydrotestosterone in man and its conversion to the 5-alpha-androstanediols. Mahoudeau JA, et al.
J Clin Invest 50:1338-44, Jun 71
Effect of the androgen-insensitivity mutation on a cytoplasmic receptor for dihydrotestosterone. Gehring U, et al. Nature [New Biol] 232:106-7, 28 Jul 71
Soluble complexes between steroid hormones and target-tissue receptors bind specifically to target-tissue chromatin. Steggles AW, et al.
Proc Natl Acad Sci USA 68:1479-82, Jul 71

PHARMACODYNAMICS

Demonstration of androgen-binding components in rat epididymis cytosol and comparison with binding components in prostate and other tissues. Ritzen EM, et al. Endocrinology 89:143-51, Jul 71
Hydrotestosterone in testicular tissue, and its androgenic potency in vivo. Jeffcoate WJ, et al.
J Endocrinol 48:199-204, Oct 70
Some biological actions of dihydrotestosterone (DHT). McDonald PG. J Reprod Fertil 25:309-10, May 71
The effects of testosterone and dihydrotestosterone on the comb, testis, and pituitary gland of the male fowl. Zeiler FJ. J Reprod Fertil 25:125-7, Apr 71
Anabolic effect of dehydrotestosterone in testicular feminization syndrome. Hamilton CR Jr, et al.
Metabolism 20:870-7, Sep 71
The action of hormone metabolites: a new concept in endocrinology (on the metabolism and the activity of testosterone). Baulieu EE.
Rev Eur Etud Clin Biol 15:723-6, Aug-Sep 70

STANOZOLOL (D2, D8)

ADMINISTRATION & DOSAGE

[On the administration of an injectable anabolizing agent in infants. Double-blind controlled research] Antonucci M.
Clin Pediatr (Bologna) 51:103-11, Feb 69 (Ita)

PHARMACODYNAMICS

Effects of triiodothyronine, growth hormone and anabolic steroids on nitrogen excretion and oxygen consumption of obese patients. Bray GA, et al.
J Clin Endocrinol Metab 33:293-300, Aug 71
[Effect of cortisone and androstanasol on the degree of bone calcification in white rats (evaluation of radiograms by the method of densitophotometry)] Staniczek J. Pol Tyg Lek 26:143-5, 25 Jan 71 (Pol)

THERAPEUTIC USE

Metformin and stanozolol in blood fibrinolytic activity. Menon IS. Br Med J 1:289-90, 30 Jan 71
[Effect of stanazolol in children with motor activity disorders associated with a ponderal and statural deficit] Denecker J, et al.
Brux Med 47:1109-18, 19 Nov 67 (Fre)
[An anabolic agent of the androstane-pyrazole type and the evaluation of anabolic treatment] Stöpán J.
Verh Dtsch Ges Rheumatol 1:401-5, 1969 (Ger)

STAPES see under EAR OSSICLES (A9)

STAPES MOBILIZATION (E4)

[Difficult to operate on footplates in otospongiosis surgery] Schepens Y.
Acta Otorhinolaryngol Belg 24:578-91, 1970 (Fre)
[Some remarks and long-term results concerning M. Portmann's stapedo-vestibular interposition] Zdravkoff T.
Rev Laryngol Otol Rhinol (Bord) 90:288-91, May-Jun 69 (Fre)
[Report of 2 cases of stapes fixation by the ponticulus promontorii] Zorzetto NL, et al.
Hospital (Rio de J) 77:953-60, Mar 70 (Por)
[Effect of surgical therapy of hearing disorders in patients with fenestral and retrofenestral manifestations of otosclerosis] Shchurovskiĭ VV, et al.
Zh Ushn Nos Gorl Bolezn 30:29-37, Jul-Aug 70 (Rus)

STAPES SURGERY (E4)

Type IV tympanoplasty results after stapedectomy. Sato R. Acta Otolaryngol (Stockh) 70:248-53, Oct 70
Bony fixation of the malleus and incus. Tos M.
Acta Otolaryngol (Stockh) 70:95-104, Aug 70
Ossicular reconstruction. Austin DF.
Acta Otorhinolaryngol Belg 24:86-94, 1970
Experiments with ossicular grafts. Broek P van den.
Acta Otorhinolaryngol Belg 24:79-82, 1970
Ossicular homografts. Hildyard VH.
Acta Otorhinolaryngol Belg 24:83-5, 1970
Tympano-ossicular homografts. Mawson S.
Acta Otorhinolaryngol Belg 24:125-31, 1970
Cartilage homografts. Experimental and clinical aspects. Smyth GD, et al.
Acta Otorhinolaryngol Belg 24:53-9, 1970
Gelfoam as an implant in oval window following stapedectomy. Schuknecht HF.
Ann Otol Rhinol Laryngol 80:415-8, Jun 71
Effect of stapedectomy on the nonoperated ear. Hrappo NS. Arch Otolaryngol 93:374-7, Apr 71
Malleomyringoplasty and wireclip polythene tube. Schiller A. Arch Otolaryngol 92:523, Nov 70
A new and safe technique for removal of a dropped footplate during stapedectomy. Wayoff MR, et al.
Eye Ear Nose Throat Mon 50:246-8, Jul 71
Stapedectomy and vein graft--in retrospect. Willis R.
J Otolaryngol Soc Aust 3:229-34, Mar 71
Experiences with revision stapedectomy procedures. Feldman BA. et al. Laryngoscope 80:1281-91, Aug 70
Symposium on stapes surgery. I. Footplate fragmentation in otosclerosis surgery. House HP, et al. Laryngoscope 80:1256-71, Aug 70
Stapedectomy--experiences with drill-out and vein plug prosthesis. Kos CM.
Laryngoscope 80:1272-80, Aug 70
Analog model for stapes prosthesis evaluation. Longo SE, et al. Med Res Eng 10:12-4, Jan-Feb 71
Long-term hearing results in obliterative otosclerosis. Ford CN Jr, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:24-30, Jan-Feb 71
A 15-year report on fenestration of the oval window. Shea JJ Jr.
Trans Am Acad Ophthalmol Otolaryngol 75:31-47, Jan-Feb 71
[Various causes of late failures in stapes surgery] Vencifk H. Cesk Otolaryngol 19:206-7, Sep 70 (Cze)
[Bone conduction after stapedectomy] Ampe W, et al.
Acta Otorhinolaryngol Belg 24:789-93, 1970 (Fre)
[Tympano-ossicular homografts] Antoli-Candela F.
Acta Otorhinolaryngol Belg 24:111-24, 1970 (Fre)
[Special problems related to tympano-ossicular homografts] Marquet J.
Acta Otorhinolaryngol Belg 24:99-110, 1970 (Fre)
[Homologous cartilage (meniscus) in reconstructive surgery of the middle ear] Prades J.
Acta Otorhinolaryngol Belg 24:66-71, 1970 (Fre)
[Recent notes on stapedectomy] Pruvot.
Acta Otorhinolaryngol Belg 23:429-32, 1969 (Fre)
[Teflon pellicle footplate prosthesis in stapedectomy] Prades J.
Ann Otolaryngol Chir Cervicofac 85:101-6, Jan-Feb 68 (Fre)
[Surgery of otospongiosis. Sudden deafness after stapedectomy] Causse J, et al.
Minerva Otorinolaringol 21:87-107, May-Jun 71 (Fre)
[Perception deafness after stapedectomy] Georgopoulos GN.
Minerva Otorinolaringol 21:137-9, Jul-Aug 71 (Fre)
[Prosthesis material in stapes surgery (presentation of a new model of teflon piston)] Cura O.
Rev Laryngol Otol Rhinol (Bord) 92:12-4, Jan-Feb 71 (Fre)
[Results of stapes surgery by various methods] Gerhardt HJ.
Monatsschr Ohrenheilkd Laryngorhinol 104:149-55, 1970 (Ger)
[Stapedectomy and vestibular function] Conti A, et al.
Arch Ital Otol 80:505-26, Nov-Dec 69 (Ita)
[Study of vestibular function after stapedectomy] Conti A, et al. Arch Ital Otol 80:69-77, Mar-Apr 69 (Ita)
[Bilateral stapedectomy] Ottaviani A, et al.
Arch Ital Otol 80:427-40, Nov-Dec 69 (Ita)
[Surgical treatment of otosclerosis. (Collective review and comparative results between the 1st and the last series of cases operated on in Pisa)] Scalori G, et al.
Boll Mal Orecch Gola Naso 87:347-70, 1969 (Ita)
[Recent results of stapedectomy studied in some hospitals of the USA (New York, Boston, Syracuse)] Salvadori G.
Minerva Otorinolaringol 19:60-4, Jan-Feb 69 (Ita)
[Vestibular function after surgical treatment of otosclerosis] Caporale R, et al.
Valsalva 46:251-61, Dec 70 (Ita)
[Prosthesis and stapedectomy] De Vincentiis I.
Valsalva 46:155-62, Aug 70 (Ita)
[On perilymph fistula] Filipo R, et al.
Valsalva 46:170-5, Aug 70 (Ita)
[Long-term behavior of cochlear reserve studied with von Bekesy's automatic audiometry in otosclerotic subjects after Shea's interposition operation] Maurizi M, et al. Valsalva 46:282-73, Dec 70 (Ita)
[Controlled hypotension with trimethaphan in plastic and otologic surgery] Pôrto AJ, et al.
Rev Bras Anestesiol 20:462-8, Oct-Dec 70 (Por)
[Morphologic changes in venous transplants in stapedoplasty] Buvailo SA, et al.
Vestn Otorinolaringol 32:25-9, Jul-Aug 70 (Rus)
[Dynamics of bone sound conduction in the process of stapedectomy] Kisliakova NA.
Vestn Otorinolaringol 33:23-7, Jan-Feb 71 (Rus)
[Use of autocartilage in surgery for otosclerosis] Nikitina VF.
Vestn Otorinolaringol 32:74-9, Nov-Dec 70 (Rus)
[Stapedectomy without protection of the oval window] Romero Díaz E.
Acta Otorinolaryngol Iber Am 21:289-94, 1970 (Spa)
[Conclusions of the round table discussion on homografts in otology] Marquet J.
Acta Otorhinolaryngol Belg 24:163-71, 1970 (Mul)

ADVERSE EFFECTS

The diagnosis and treatment of poststapedectomy granuloma. Gacek RR.
Ann Otol Rhinol Laryngol 79:970-5, Oct 70
Histological evidence of the causes of failure in stapes surgery. Linthicum FH Jr.
Ann Otol Rhinol Laryngol 80:67-77, Feb 71
Cholesteatoma: a complication of stapedectomy. Burnam JA, et al.
Eye Ear Nose Throat Mon 50:324-6, Sep 71
Iatrogenic deafness. Ballantyne J.
J Laryngol Otol 84:967-1000, Oct 70 (135 ref.)
On the problem of damage to the organ of Corti in manipulations on the conductive apparatus of the ear.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Faltýnek L, et al.
Pract Otorhinolaryngol (Basel) 32:149-52, 1970
[21 cases of delayed deafness after stapedectomy between the 12th and the 21st month] Bourdial J, et al.
Ann Otolaryngol Chir Cervicofac 88:5-20, Jan-Feb 71 (Fre)
[Otospongiosis surgery. Sudden deafness after stapedectomy] Causse J, et al.
Ann Otolaryngol Chir Cervicofac 87:751-78, Dec 70 (Fre)
[Labyrinth fistula and footplate surgery] Martin H, et al.
Ann Otolaryngol Chir Cervicofac 85:96-8, Jan-Feb 68 (Fre)
[Intra-labyrinthine platinium penetration during stapedectomy. Safe technic] Wayoff M, et al.
Ann Otolaryngol Chir Cervicofac 88:51-8, Jan-Feb 71 (Fre)
[Disorders of intelligibility after stapedectomy] Musta O. Otorinolaringologie 15:371-8, Sep-Oct 70 (Rum)

INSTRUMENTATION

[Microcutters for surgery on the stapes to improve hearing] Patiakina OK.
Vestn Otorinolaringol 32:86-7, Jul-Aug 70 (Rus)

STAPHYLOCOAGULASE see under COAGULASE

(D12)

STAPHYLOCOCCAL FOOD POISONING (C1, C4, C14)

DIAGNOSIS

Serological detection of enterotoxin from food-poisoning strains of Staphylococcus aureus. Simkovičová M, et al. J Med Microbiol 4:19-30, Feb 71

ETIOLOGY

Outbreak of food-borne gastroenteritis due to a coagulase-negative enterotoxin-producing staphylococcus. Breckinridge JC, et al.
N Engl J Med 284:541-3, 11 Mar 71

METABOLISM

Histological and histochemical examinations in experimental staphylococcal enterotoxin poisoning. Buris L, et al.
Acta Med Leg Soc (Liege) 20:195-6, Jul-Dec 67

MICROBIOLOGY

[Comparison of methods of enrichment and direct culture for isolation of Staphylococcus aureus from foods] Pacheco MG, et al.
Rev Invest Salud Publica 30:288-95, Oct-Dec 70 (Spa)

OCCURRENCE

[Food poisoning in the Province of Cáceres] Muñoz Cosin F, et al.
Med Trop (Madr) 46:177-84, Jan-Dec 70 (Spa)

PREVENTION & CONTROL

Staphylococci control and the food processor. De Figueiredo MP. J Am Diet Assoc 58:109-14, Feb 71
[Enterotoxins of pathogenic staphylococci (review)] Bugrova VI.
Zh Mikrobiol Epidemiol Immunobiol 47:120-6, Nov 70 (74 ref.) (Rus)

STAPHYLOCOCCAL INFECTIONS (C1)

see also related
CROSS INFECTION (C1, G3)

Post-operative wound infection. Predisposing factors and the effect of a reduction in the dissemination of staphylococci. Bruun JN.
Acta Med Scand [Suppl] 514:Suppl 514:3+, 1970
Pseudomembraneous enterocolitis--an unwelcome gastrointestinal complication of antibiotic therapy. Ecker JA, et al. Am J Gastroenterol 54:214-28, Sep 70
Necrotizing fasciitis. Rea WJ, et al.
Ann Surg 172:957-64, Dec 70
Ozone and the antibacterial defense mechanisms of the murine lung. Goldstein E, et al.
Arch Intern Med 127:1099-102, Jun 71
Considerations from a bacterial ecorelation viewpoint in an acute respiratory infection focus. Spînu I, et al.
Arch Roum Pathol Exp Microbiol 29:315-24, Mar-Jun 70
Coagulase-negative staphylococci as opportunist pathogens. Holt R. Arzneim Forsch 21:325-8, Mar 71
Cervico-facial suppurative lymphadenitis due to staphylococcal infection in childhood. Brook AH, et al.
Br J Oral Surg 8:257-63, Mar 71
Bacteriological studies on colonised ventriculoatrial shunts. Holt RJ.
Dev Med Child Neurol [Suppl] 22:Suppl 22:83-7, 1970
Studies of the bacterial flora in kerato-conjunctivitis sicca. Williamson J, et al.
Eye Ear Nose Throat Mon 50:257-64, Jul 71
Pyogenic infection of the spine. A review of twenty-eight cases. Griffiths HE, et al.
J Bone Joint Surg [Br] 53:383-91, Aug 71
The experimental induction of superficial cutaneous infection in guinea pigs. Jordan WE.
J Invest Dermatol 55:149-52, Aug 70
Occult infections of ventriculoatrial shunts. Fokes EC Jr. J Neurosurg 33:517-23, Nov 70
An unusual infection due to staphylococcus aureus. Levin MJ, et al. N Engl J Med 284:196-8, 28 Jan 71
Deep soft tissue abscesses secondary to nonpenetrating trauma. Heeb MA.
Surgery 69:550-3, Apr 71
[Bacterial endocarditis in childhood] Frank M, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:333-8, 1970 (Cse)
[Wound infection] Siboni K.
Ugeskr Laeger 133:807-8, 30 Apr 71 (Dan)
[Acute staphylococcal phlegmonous myositis] Serre H, et al. Rhumatologie 23:41-5, Feb 71 (Fre)
[Staphylococcal enterocolitis] Fortin CL, et al.
Union Med Can 99:1113-5, Jun 70 (Fre)
[Diffuse glomerulonephritis in staphylococci infiltrated ventriculo-atrial cerebrospinal fluid shunts] Molz G, et al.
Schweiz Arch Neurol Neurochir Psychiatr 107:223-30, 1970 (Ger)
[Clinical picture and course of pustulous bacterids] Weise HM.
Z Haut Geschlechtskr 46:319-37, 15 May 71 (Ger)
[Staphylococcal epidemic infection in a maternity ward caused by a bacterial strain 52-52A-80-81 resistant to erythromycin] Galiński J, et al.
Ginekol Pol 42:495-500, Apr 71 (Pol)
[Staphylococcal infections in neonates and in infants] Sânteses AE.
Rezen Clin Cient 38:82-4, Mar-Apr 69 (Por)
[Present characteristics of staphylococcal septicemias] Josan R, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:121-6, Mar-Apr 71 (Rum)
[Clinical aspects of hospital infections with potentially pathogenic bacteria] Vâță A, et al.
Rev Med Chir Soc Med Nat Iasi 74:783-92, Jul-Sep 70 (Rum)
[Surgical staphylococcal sepsis] Aronin AE, et al.
Klin Khir 9:64-6, Sep 69 (Rus)
[Analysis of errors in diagnosis and therapy of staphylococcal destructions of the lungs in children] Rokitskiĭ MR. Pediatriia 49:23-8, Sep 70 (Rus)
[Role of staphylococci in the etiology of purulent meningitis] Proskurov VA.
Voen Med Zh 10:32-4, Oct 70 (Rus)
[Staphylococcal coxitis] Salvatella Viñals J, et al.
Rev Esp Reum Enferm Osteoartic 13:279-303, Jan 70 (Spa)
[Intestinal staphylococcal infections in infants] Zykova OL. Pediatr Akush Ginekol 6:14-6, 1970 (Ukr)

BLOOD

Alteration in protein and carbohydrate metabolism of chick embryos infected with Staphylococcus aureus. Sharp MS, et al. Tex Rep Biol Med 28:105-14, Spring 70
Serum lipoproteins in Staphylococcus aureus infected chick embryos. Walker RI, et al.
Tex Rep Biol Med 28:581-4, Winter 70
[The anticoagulant properties of the blood plasma of patients with suppurative staphylococcal infections under clinical and experimental conditions] Bulaĭ AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:62-6, Oct 69 (Rus)

COMPLICATIONS

The pathogenesis of the renal lesion in a patient with streptococcal disease, infected ventriculoatrial shunt, cryogobulinemia and nephritis. Kaufman DB, et al.
Am J Med 50:262-8, Feb 71
Experimental phlyctenular keratitis. Davis PL, et al.
Can J Ophthalmol 5:284-92, Jul 70
Tricuspid valve subacute bacterial endocarditis complicating tetralogy of Fallot. Maramba LC, et al.
Chest 59:227-30, Feb 71
Culture determines treatment. Simko MV.
J Am Podiatry Assoc 61:350-1, Sep 71
Bacterial endocarditis with pulmonary edema necessitating mitral valve replacement in a hemodialysis-dependent patient. Ribot S, et al.
J Thorac Cardiovasc Surg 62:59-62, Jul 71
Spontaneous bacterial myositis. Altrocchi PH.
JAMA 217:819-20, 9 Aug 71
Splenic arteriovenous fistula with bacterial endarteritis and endocarditis. Quintiliani R, et al.
JAMA 214:727-30, 26 Oct 70
Fatal staphylococcal septicemia associated with use of jet injector for measles vaccination. Kassanoff I, et al.
Pediatrics 47:135-7, Jan 71
Notes on endocarditis due to coagulase-negative Staphylococcus albus. Mihail A, et al.
Rom Med Rev 15:23-8, Jan-Mar 71
Infection: a cause of acute peptic ulceration in hypersecreting animals. Douglass HO Jr, et al.
Surgery 68:827-30, Nov 70
Mediastinal complications of staphylococcal infection in childhood: experience with six consecutive cases. Slim MS, et al. Surgery 69:755-61, May 71
Effect of Pseudomonas aeruginosa and Staphylococcus pyogenes on the rate of wound healing in mice. Segree WA, et al. West Indian Med J 19:65-70, Jun 70
[Viral infections and severe staphylococcal complications] Camphyn R, et al.
Acta Tuberc Pneumol Belg 61:347-53, May-Aug 70 (Fre)
[Non-suppurative manifestations of staphylococcal septicemias] Leng-Lévy J, et al.
Bord Med 4:997-1007, Apr 71 (Fre)
[Staphylococcia in a newborn infant contracted in utero] Dumont M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:431-2, Sep-Oct 69 (Fre)
[Staphylococcia in a newborn infant contracted "in utero"] Dumont M, et al.
Lyon Med 221:931-2, 20 Apr 69 (Fre)
[Exceptional skin fistulization of a purulent pericarditis due to staphylococcus (apropos of a case observed in Fort-Lamy, Tchad)] Siroi J, et al.
Med Trop (Mars) 31:225-7, Mar-Apr 71 (Fre)
[Peracute pleuro-pulmonary staphylococcal infections in older children] Lambertz J, et al.
Pediatrie 26:13-30, Jan-Feb 71 (Fre)
[Staphylococcal spondylitis and its neurologic complications] Serratrice G.
Rhumatologie 22:303-4, Oct 70 (Fre)
[Myocardial abscess during a probable staphylococcal septicemia in a cirrhotic] Péquignot H, et al.
Sem Hop Paris 47:1143-3, 14 Apr 71 (Fre)
[Type and frequency of initial infection in subsepsis allergica] Lorenz K, et al.
Monatsschr Kinderheilkd 117:60-6, Feb 69 (Ger)
[On 13 cases of purulent meningitis in the first year of life observed during 1969] Giovanelli A, et al.
Minerva Pediatr 23:336-44, 25 Feb 71 (Ita)
[Bronchitis spastica in staphylococcal bacteraemia in infants] Gerkowicz T, et al.
Ann Univ Mariae Curie Sklodowska [Med] 24:263-9, 1969 (Pol)
[Observations on endocarditis with coagulase-negative Staphylococcus albus] Mihail A, et al.
Med Interna (Bucur) 22:929-36, Aug 70 (Rum)
[Penicillinase and penicillin therapy of mixed staphylococcal-pneumococcal infections] Shraer DP.
Biull Eksp Biol Med 71:67-8, Mar 71 (Rus)
[Role of the autonomic innervation of the heart in the origin of bradycardia in acute staphylococcal infection] Mikhailov VV, et al.
Kardiologiia 11:134-6, Feb 71 (Rus)
[Allergy to staphylococcus in burn patients] Kolker II, et al. Klin Med (Mosk) 49:87-92, Mar 71 (Rus)
[Specificity of the complement-fixation test for toxoplasmosis in staphylococcal infections] Eremeeva EA.
Med Parazitol (Mosk) 38:314-7, May-Jun 69 (Rus)
[Changes in the intestines in dysentery] Tsinzerling AV, et al. Pediatriia 50:33-6, Jan 71 (Rus)
[Anti-staphylococcal antibodies in the serum of patients with acute leukosis] Krotova TA, et al.
Probl Gematol Pereliv Krovi 15:19-21, Sep 70 (Rus)
[The role of the tonsils in the development of tuberculosis of the cervical lymph nodes] Novruzov MA. Probl Tuberk 49:83-6, 1971 (Rus)
[The role of pyococcal infection in the pathogenesis of the mycotic process (clinico-experimental study)] Mar'iasis ED, et al.
Vestn Dermatol Venerol 44:45-50, Jun 70 (Rus)
[Effect of some factors in conditions of space flight on the course of experimental staphylococcal infection in albino mice] Prokhorov VIa, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:82-6, Nov 70 (Rus)
[The role of staphylococcal and other microflora in the etiopathogenesis and clinical picture of erysipelas of the skin] Raskovalov MG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:123-4, Aug 70 (Rus)
[A case of Marfan's syndrome and staphylococcal sepsis] Zivić R, et al.
Srp Arh Celok Lek 98:89-98, Jan 70 (Ser)
[Thoracic empyema in infants] Loredo Hill J, et al.
Minerva Pediatr 22:1345-6, 30 Jun 70 (Spa)

CONGENITAL

[Impetigo neonatorum] Ledoux-Corbusier M, et al.
Bull Soc Fr Dermatol Syphiligr 77:336-8, 1970 (Fre)

DIAGNOSIS

Primary spinal epidural abscess. Baker CJ.
Am J Dis Child 121:337-9, Apr 71
External localization of experimental abscesses: scanning staphylococcal abscesses with antibody to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

staphylococcus. Baker GH, et al.
Invest Radiol 6:266-72, Jul-Aug 71
A screening technique for the detection of nasal carriers of antibiotic-resistant Staphylococcus. Stokes ER, et al. J Clin Pathol 23:546-7, Sep 70
Epidemic boric acid poisoning simulating staphylococcal toxic epidermal necrolysis of the newborn infant: Ritter's disease. Rubenstein AD, et al. J Pediatr 77:884-7, Nov 70
[Unusual course of staphylococcal sepsis in a 14-year-old girl] Filipova J, et al.
Cesk Pediatr 26:347-9, Jul 71 (Cze)
[The increased bacteriophage titer test. Method of diagnosis of digestive infections and indication of the presence of pathogenic bacteria in different contaminated materials] Kouznetzova VN.
Arch Roum Pathol Exp Microbiol 28:1069-72, Dec 69 (Fre)
[Malignant forms of pleuro-pulmonary staphylococcia in children] Lambertz J, et al.
J Radiol Electrol Med Nucl 51:708-10, Nov 70 (Fre)
[Scarlatinal syndromes of staphylococcal etiology] Bertrand JL, et al. Lyon Med 225:31-9, 10 Jan 71 (Fre)
[Scarlatina syndromes of staphylococcal etiology] Bertrand JL, et al. Presse Med 78:2284, 28 Nov 70 (Fre)
[Sensitivity to antibiotics, lysotyping and serotyping of strains of pathogenic staphylococci isolated in a military environment from 1965 to 1968] Thabaut A, et al. Rev Corps Sante Armees 12:215-31, Apr 71 (Fre)
[Demonstration of antibodies to staphylococcal toxin using the passive hemagglutination test with stable erythrocytes] Prozorovskaia KN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:52-5, Dec 70 (Rus)
[Serologic characteristics of the plasmocoagulase of some microorganisms] Zaikina NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:110-3, Apr 71 (Rus)

DRUG THERAPY

The Burns Unit in Copenhagen. 10. Antibiotic sensitivity of Staphylococcus aureus isolated from burns. Thomsen M.
Acta Pathol Microbiol Scand [B] 79:314-24, 1971
Treatment of penicillin-resistant staphylococcal infections with clindamycin. Feigin RD, et al.
Am J Med Sci 261:207-12, Apr 71
Studies in the management of the contaminated wound. V. An assessment of the effectiveness of pHisoHex and Betadine surgical scrub solutions. Custer J, et al.
Am J Surg 121:572-5, May 71
Antimicrobial activity of 3-substituted 5-amino-1,2,4-oxadiazoles. Gadebusch HH, et al.
Antimicrob Agents Chemother 9:280-3, 1969
Preliminary clinical trials with phosphonomycin. Holloway WJ, et al.
Antimicrob Agents Chemother 9:327-31, 1969
Activity of phosphonomycin in nasal carriers of coagulase-positive staphylococci. Smith JW, et al.
Antimicrob Agents Chemother 9:346-8, 1969
Therapy of staphylococcal infections in monkeys. VI. Comparison of clindamycin, erythromycin, and methicillin. Carlisle HN, et al.
Appl Microbiol 21:440-6, Mar 71
Treatment of staphylococcal infections with flucloxacillin. Leigh DA, et al.
Br J Clin Pract 25:371-4, Aug 71
Study of bactericidal and bacteriostatic antibiotics in experimentally diabetic and senescent mice, in cases of lethal staphylococcal infection. Biró L, et al.
Chemotherapy 16:166-72, 1971
Chemotherapeutic and toxicological properties of quinacillin. Bough RG, et al.
Chemotherapy 16:183-95, 1971
Flucloxacillin. Drug Ther Bull 9:21-2, 12 Mar 71
The therapeutic potential of the lincomycin antibiotics. Holloway WJ.
Int Z Klin Pharmakol Ther Toxikol 4:321-4, Apr 71
In vivo antibacterial activity of diaveridine-sulfonamide combinations. Carroll PT, et al. Invest Urol 9:21-4, Jul 71
Bone and joint perfusion with antibiotics in the treatment of experimental staphylococcal infection in rabbits. Finsterbusch A, et al.
J Bone Joint Surg [Am] 52:1424-32, Oct 70
Fucidin in patients on haemodialysis. Hobby JA, et al.
J Clin Pathol 23:484-6, Sep 70
Transmission of chloramphenicol-resistant Staphylococcus epidermidis: epidemiologic and laboratory studies. Bentley DW, et al.
J Infect Dis 122:365-75, Nov 70
Staphylococcal scalded skin syndrome: the expanded clinical syndrome. Melish ME, et al.
J Pediatr 78:958-67, Jun 71
Clinical trial of topical nitrofurazone, with or without hydrocortisone, in 252 children with skin infections. Sandifer SH. J SC Med Assoc 66:363-5, Oct 70
Gentamicin treatment of staphylococcal infections. Richards F, et al. JAMA 215:1297-300, 22 Feb 71
Methicillin: critical appraisal after a decade of experience. Gilbert DN, et al.
Med Clin North Am 54:1113-25, Sep 70 (65 ref.)
Bacitracin and tyrothricin. Kanof NB.
Med Clin North Am 54:1291-3, Sep 70 (9 ref.)
Vancomycin and novobiocin. Riley HD Jr.
Med Clin North Am 54:1277-89, Sep 70 (51 ref.)
Lincomycin: fact, fancy, and future. Sanders E.
Med Clin North Am 54:1295-303, Sep 70 (67 ref.)
Cephaloridine and the penicillins in the treatment of staphylococcal osteomyelitis and arthritis. Fleming PC, et al. Postgrad Med J Suppl:89-93, Oct 70
Clinical evaluation of cephalexin in staphylococcal infections. Hedlund P.
Postgrad Med J Suppl:152-5, Oct 70
Panel discussion of severe Gram-positive infections. Murdoch JM, et al.
Postgrad Med J 47:Suppl:94-102, Feb 71
Studies on cephalosporin therapy of experimental streptococcal and staphylococcal infections in monkeys. Sasiaw S.
Postgrad Med J 47:Suppl:20-5, Feb 71
Cephalosporin therapy of staphylococcal infections in adults. A review of the literature and a report of 501 treated patients. Smith IM.
Postgrad Med J 47:Suppl:78-87, Feb 71
Activity of minocycline and other tetracyclines against tetracycline-sensitive and -resistant staphylococci. Kuck NA, et al.
Proc Soc Exp Biol Med 136:479-81, Feb 71
Hematogenous osteomyelitis. Lowe RW, et al.
South Med J 63:1183-9, Oct 70
Oxacillin in-vitro tests and its use in thoracic surgery. Kiss J, et al. Ther Hung 18:156-62, 1970
[Statistical study of changes in susceptibility to antibiotics of pathogenic staphylococci] Teodorovici G, et al.
Arch Roum Pathol Exp Microbiol 28:207-10, Mar 69 (Fre)
[The present treatment of staphylococcal and micrococcal septicemia and infections] Brisou J.
Cah Med 11:1091-7, 10 Nov 70 (Fre)
[The treatment of cutaneous staphylococcal infections] Colomb D, et al.
J Med Lyon 51:1199+, 20 May 70 (Fre)
[Clinical study of sodium fusidate in surgical staphylococcal infections] Philippe M, et al.
Lyon Med 222:461-5, 5 Oct 69 (Fre)
[Clinical study of the combination of 17-betamethasone valerate-gentamicin in dermatology] Grigoriu D.
Praxis 59:1070-1, 21 Jul 70 (Fre)
[The therapeutic use of anti-A-HP in the treatment of staphylococcal skin diseases as a result of the affinity of the heterophil anti-A-HP AGGLUTININS FOR TEICHOIC ACID] Prokop O, et al.
Acta Biol Med Ger 24:K19-23, 1970 (Ger)
[Experiences with staphylococcal infections of the skin and respiratory passages in a 3 year patient study during the years 1964 to 1966] Turay P, et al.
Kinderaerztl Prax 37:193-201, May 69 (Ger)
[Synergistic effect of rifomycin SV and erythromycin] Banič S, et al.
Zentralbl Bakteriol [Orig] 216:418-20, 1971 (Ger)
[Experimental contribution to the study of the antibacterial activity of doxicycline] Annunziata A, et al. Arch Ital Laringol 76:295-302, Sep-Oct 68 (Ita)
[Therapeutic experience with a new cephalosporin: celhalexin] De Rosa F, et al.
Clin Ter 54:129-38, 31 Jul 70 (Ita)
[New chemical substances for therapeutic use]
Clin Ter 54:273-5, 15 Aug 70 (Ita)
[Gentamicin in the treatment of pleural complications of the staphylococcal pneumopathies during infancy] Annecchino A.
G Ital Chemioter 16:240-1, Jan-Sep 69 (Ita)
[Action of rifamycin AMP on bacterial flora present in bronchial secretions] Ninni A, et al.
Rass Int Clin Ter 50:1338-42, 15 Nov 70 (Ita)
[Antibiotics produced by Streptomyces spinichromogenes var. kujimyceticus. 4. Therapeutic effects of kujimycins A and B in experimental infections in mice] Namiki S, et al.
Jap J Antibiot 23:279-86, Jun 70 (Jap)
[Evaluation of the clinical effectiveness of cloxacillin. (Syntarpen 201 Polfa)] Sadowski Z, et al.
Pol Tyg Lek 25:1297-8, 24 Aug 70 (Pol)
[Lincocin--a new antistaphylococcal agent. Clinical and laboratory experiments] Zajączkowski K, et al.
Pol Tyg Lek 26:359-61, 8 Mar 71 (Pol)
[Presence of strains of methicillin-resistant staphylococci in hospitals] Teodorovici G, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:37-42, Jan-Feb 71 (Rum)
[Increase of body resistance to infection and a stimulation of regenerative process under the combined effect of prodigiozan and methyluracil] Braude AI, et al. Antibiotiki 16:339-44, 1971 (Rus)
[Comparative evaluation of the effect of lincomycin, novobiocin, methicillin and oxacillin on staphylococci isolated in the neurosurgical clinic] Imshenetskaia VF. Antibiotiki 15:241-5, Apr 70 (Rus)
[Effectiveness of kanamycin in experimental acute and chronic staphylococcal infection] Kuznetsova SM, et al. Antibiotiki 15:730-4, Aug 70 (Rus)
[The Soviet antibacterial drug chlorophillipt] Nadtoka VL. Antibiotiki 15:888-92, Oct 70 (Rus)
[Staphylococcal penicillinase and the effect of ceporin in combination with benzylpenicillin on the enzyme] Shraer DP. Antibiotiki 15:700-3, Aug 70 (Rus)
[Development of penicillin resistance in staphylococci in the body of experimental animals] Voropaeva SD.
Antibiotiki 16:79-82, Jan 71 (Rus)
[Penicillin and novobiocin treatment of suppurative diseases of the fingers and hands] Shcherbatov BA.
Klin Khir 11:69-70, Nov 70 (Rus)
[Use of new Soviet sulfonamide drugs in surgical practice] Govorovich EA, et al.
Sov Med 33:40-4, Jul 70 (Rus)
[Treatment of staphylococcal diseases of the eye] Proskurov VA.
Vestn Oftalmol 6:82-3, Nov-Dec 70 (Rus)
[Use of antistaphylococcal placental gamma-globulin in newborns and young children with staphylococcal diseases] Golosova TV, et al.
Vopr Okhr Materin Det 15:27-30, Nov 70 (Rus)
[Use of propolis in the treatment of pyodermia caused by antibiotics-resistant strains of staphylococcus] Orkin VF. Vrach Delo 110-2, Jan 71 (Rus)
[Staphylococcal meningitis cure with sodium dimethoxyphenyl penicillin (sodium methicillin)] Reisfeld S, et al. Med Panam 22:7-9, 1 Jan 64 (Spa)
[Leukomycin in gram positive infections] Ramirez Aznar G. Prensa Med Mex 35:280-3, May-Jun 70 (Spa)
[Lincomycin in the treatment of gram positive infections] Ramirez Aznar G.
Prensa Med Mex 33:44-6, Jan-Feb 68 (Spa)
[Therapy of staphylococcal infection in infants by means of antistaphylococcal gamma-globulin and staphylococcal anatoxin] Sveshnikova AS, et al.
Pediatr Akush Ginekol 2:17-9, Mar-Apr 70 (Ukr)
[Cephalexin: microbiological activity in vitro and in vivo] Muggleton PW, et al.
Antibiotica 7:93-128, Jun 69 (Mul)
[Problems in treatment of severe Staphylococcal infections] Kaljalović R, et al.
Vojnosanit Pregl 27:261-7, Jun 70 (Cro)

ENZYMOLOGY

[Intensification of the severity of staphylococcal infection and transduction of determinants of penicillinase activity in experiments on albino mice] Shraer DP.
Zh Mikrobiol Epidemiol Immunobiol 47:77-82, Nov 70 (Rus)

ETIOLOGY

Sources of postoperative wound infections with Staphylococcus aureus. Siebbeles HW.
Arch Chir Neerl 23:35-53, 1971
Staphylococcus epidermidis endocarditis complicating a Starr-Edwards prosthesis. A therapeutic dilemma. Watanakunakorn C, et al.
Arch Intern Med 128:1014-8, Dec 70
Importance of the carrier state as a source of Staphylococcus aureus in wound sepsis. Calia FM, et al. J Hyg (Camb) 67:49-57, Mar 69
Water or alcohol? Noone P. Lancet 2:982, 7 Nov 70
Infections in haemodialysis patients. Sherrard DJ. Lancet 2:880, 24 Oct 70
Staphylococcus and gram-negative bacteria in oeriodontal flap surgery: a case report. Klingsberg J. NY State Dent J 36:544-5, Nov 70
[Progressive septic granulomatosis. 3 cases] Marie J, et al. Ann Pediatr (Paris) 17:711-21, 2 Nov 70 (Fre)
[Complications after local cortisone injection] Stäcker AD, et al. Hefte Unfallheilkd 99:151-2, 1969 (Ger)
[Diffuse glomerulonephritis in children with shunt surgery in hydrocephalus] Stickler GB.
Zentralbl Bakteriol [Orig] 214:402-6, 1970 (Ger)
[Evaluation of the risk of infection from the use of nursing bottles. Microbiological studies] D'Arca Simonetti A, et al.
Nuovi Ann Ig Microbiol 20:375-439, Sep-Oct 69 (Ita)
[Suppurative infection in heart surgery] Burakovskiĭ VI, et al. Khirurgiia (Mosk) 46:81-7, Aug 70 (Rus)
[Role of biological properties of staphylococci in development of experimental aerogenic infection] Sinel'nikova OP.
Mikrobiol Zh 32:569-73, Sep-Oct 70 (Ukr)

HISTORY

A bunch of grapes: the discovery of staphylococci. Hatcher J. Nurs Times 66:1654, 24 Dec 70

IMMUNOLOGY

Influence of human milk on the development of antistaphylococcal immunity. Sengers RC.
Antonie van Leeuwenhoek 36:349-56, 1970
Nucleic acid modifications in the lymphatic satellite ganglion in animals with a primary response to staphylococcic toxoid. Ciplea AG, et al.
Arch Roum Pathol Exp Microbiol 28:413-8, Jun-Sep 69
The role of the carrier state and hypersensitivity in experimental staphylococcal infections in mice. Banerjee PL, et al. J Med Microbiol 4:203-13, May 71
The immune-suppressive effect of myelobromol and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

degranol on staphylococci-infected mice. Iván E, et al.
Jap J Exp Med 41:113-6, Apr 71
Adverse influence of ozone on pulmonary bactericidal activity of murine lung. Goldstein E, et al.
Nature (Lond) 229:262-3, 22 Jan 71
Antibodies against lipase from staphylococci. Lundbeck H, et al.
Progr Immunobiol Stand 4:417-21, 1970
Effect of whole-body x-irradiation on pulmonary bactericidal function. Hahn FF, et al.
Radiat Res 47:461-71, Aug 71
[Some aspects of antistreptococcal immunological reactivity in aged subjects] Mihalcou F, et al.
Arch Roum Pathol Exp Microbiol 28:361-72, Jun-Sep 69 (Fre)
[Role of facilitating antibodies on the development of a chronic bacterial infection: experimental staphylococcal synovitis in chickens] Forget A, et al.
Rev Eur Etud Clin Biol 15:895-9, Oct 70 (Fre)
[Anti-alpha-staphylolysins in pneumology] Charpentier J, et al.
Rev Tubere Pneumol (Paris) 34:485-510, Jun 70 (Fre)
[The practical importance of the antistaphylolysin titer determination in orthopedic diseases] Schwägerl W.
Beitr Orthop Traumatol 17:86-8, Jan 70 (Ger)
[Current aspects of staphylococcal infections] Toscano F. G Mal Infett Parassit 22:123-34, Feb 70 (Ita)
[Anti-staphylococcal antibodies in the serum of patients with acute leukosis] Krotova TA, et al.
Probl Gematol Pereliv Krovi 15:19-21, Sep 70 (Rus)
[Antibodies to several microbes in the sera of acute leukemia patients] Krotova TA, et al.
Vopr Onkol 17:25-9, 1971 (Rus)
[Possible relation between the virulence of staphylococci and certain characteristics of their submicroscopic structure] Akatov AK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:58-62, May 71 (Rus)
[State of some immunity indices in various diseases of staphylococcal etiology] Anikina AT, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:83-7, 1971 (Rus)
[Histopathology and histochemistry of an intradermal focus of staphylococcus infection in a nonimmune and an immune organism (Pathogenetic study)] Gindin AP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:103-9, Jul 70 (Rus)
[Study of the sensitizing properties of staphylococcal delta-toxin] Rusakova EV.
Zh Mikrobiol Epidemiol Immunobiol 47:77-81, Apr 70 (Rus)

METABOLISM

Alterations in lipids of chick embryos infected with Staphylococcus aureus. Walker RI, et al.
Tex Rep Biol Med 28:133-43, Spring 70
Amino acid and nitrogen metabolism in chick embryos infected with Staphylococcus aureus or Vibrio cholerae. Walker RI, et al.
Tex Rep Biol Med 29:141-7, Spring 71
[Studies on fat resorption in infants suffering from Leiner's disease, dispepsicolia and staphylococcosis] Mester A, et al.
Arch Kinderheilkd 82:146-53, Jan 71 (Ger)

MICROBIOLOGY

Bacterial interference between strains of Staphylococcus aureus, 1960 to 1970. Shinefield HR, et al. Am J Dis Child 121:148-52, Feb 71
Coagulase-negative staphylococcus. Andriole VT, et al.
Ann NY Acad Sci 174:533-44, 30 Oct 70
The problems of drug-resistant pathogenic bacteria. Practical effectiveness of agents curing R factors and plasmids. Bouanchaud DH, et al.
Ann NY Acad Sci 182:305-11, 11 Jun 71
Prevalence of extrachromosomal drug resistance. Staphylococci in Danish hospitals during the last decade: factors influencing some properties of predominant epidemic strains. Bülow P.
Ann NY Acad Sci 182:21-39, 11 Jun 71
Epidemiological and clinical aspects of methicillin resistance and enterotoxin production in Staphylococcus aureus. Hallander HO, et al.
Ann NY Acad Sci 182:96-105, 11 Jun 71
Effects of a systemic antibiotic on nasal bacterial ecology in man. Aly R, et al.
Appl Microbiol 20:240-4, Aug 70
Biochemical activity of coagulase positive and coagulase negative staphylococci isolated from pathological material. Jayakar PA, et al.
Indian J Pathol Bacteriol 13:63-7, Apr 70
The use of the polyvalent effect of phages for the differentiation of staphylococci isolated from the pathogenic material. Pilipich J, et al.
Zentralbl Bakteriol [Orig] 216:162-7, 1971
Metabolic and toxigenic activity of Staphylococcus aureus strains isolated from blood and from healthy carriers. A comparative study. Zak C, et al.
Zentralbl Bakteriol [Orig] 204:203-11, 1967
[Study of 123 Staphylococcus strains accompanied by Koch's bacilla in tuberculosis patient expectorations] Safa F, et al. Bord Med 4:315-6 passim, Feb 71 (Fre)
[Bacteriological aspects of bacterial endocarditis] Castagnou F, et al. Cah Med 11:1113-4, 10 Nov 70 (Fre)
[Bacteriological diagnosis and antibiotic therapy of staphylococcal infections. 1,055 strains of pathogenic staphylococci isolated from 1962 to 1969, their sensitivity to antibiotics, their lysotypic characteristics, their pathogenic activity in men] Vialtier J. J Med Lyon 51:477-99, 5 Feb 70 (Fre)
[Scheme of identification of aerobic micrococcaceae. Its value in urinary infections] Dauchy S, et al.
Pathol Biol (Paris) 19:333-7, Mar 71 (Fre)
[Antibiogram and lysotyping of staphylococci in a hospital environment] Stadtsbaeder S, et al.
Pathol Biol (Paris) 19:5-11, Jan 71 (Fre)
[Antibiotic resistance of staphylococci isolated from a surgical environment] Cucchi L, et al.
Biol Lat 22:51-8, Jan-Mar 70 (Ita)
[Mechanism of staphylococcal infection by means of various mutants originating from Staphylococcus aureus No. 248. II. Comparison of the virulence of 248 alpha-H and 248 beta-H in intraperitoneal infection of mice] Kimura K. Jap J Bacteriol 26:1-8, Jan 71 (Jap)
[Some biological and epidemiological characteristics of staphylococci isolated from nasopharyngeal carriers] Szöllösi A, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:43-8, Jan-Feb 71 (Rum)
[Phagolytic properties and sensitivity to antibiotics of pathogenic staphylococci isolated from children] Veselov AIa. Antibiotiki 15:951-4, Oct 70 (Rus)
[Transmission of extrachromosomal drug resistance in staphylococci present in animals and the effect of neomycin on this process] Zueva VS, et al.
Antibiotiki 15:316-20, Apr 70 (Rus)
[Microbiological studies in the treatment of peritonitis] Fedorov VD, et al.
Khirurgiia (Mosk) 47:52-60, Jan 71 (Rus)
[The dependence of the content of pathogenic staphylococ in the upper respiratory tract upon the state of the teeth] Leonene NI, et al.
Stomatologiia (Mosk) 50:74-5, May-Jun 71 (Rus)
[Changes in the phagolytic structure of staphylococci] Veselov AIa.
Zh Mikrobiol Epidemiol Immunobiol 47:92-6, Jul 70 (Rus)
[Clinical evaluation of microflora of the larynx and trachea in tracheotomized patients] Revo VV.
Zh Ushn Nos Gorl Bolezn 31:59-61, May-Jun 71 (Rus)
[Enterotoxic properties of pathogenic staphylococci] Paster EU, et al.
Mikrobiol Zh 32:328-32, May-Jun 70 (Ukr)
[Staphylococcal diarrhea in small children] Dergileva MP. Pediatr Akush Ginekol 1:11-3, Jan-Feb 69 (Ukr)

MORTALITY

[The effect of dimethyl sulfoxide upon experimental staphylococcal infection of the Swiss albino mouse] Kunze M, et al.
Zentralbl Bakteriol [Orig] 216:175-84, 1971 (Ger)

OCCURRENCE

Incidence of coagulase positive staphylococci among hospital personnel. Lawson C, et al.
Am J Med Technol 37:193-7, May 71
Postoperative infections in 1,136 consecutive cardiac operations. Baffes TG, et al. Surgery 68:791-9, Nov 70
[Postoperative wound infection. The epidemiology of staphylococcal infection in a surgical ward] Jepsen OB. Ugeskr Laeger 133:797-802, 30 Apr 71 (Dan)
[Importance of pathogenic staphylococcus carrier state in industrial environments. Study of isolated strains] Lazăr Z, et al.
Arch Roum Pathol Exp Microbiol 28:675-81, Jun-Sep 69 (Fre)
[Some sources of bacterial contamination in hospitals: epidemiologic study in a cardiovascular surgery department] Sepetjian M, et al.
Lyon Med 225:291-9, 28 Feb 71 (Fre)
[Incidence of some potentially pathogenic bacteria in hospitals] Antonescu M, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:227-34, May-Jun 71 (Rum)
[Epidemiological observations on manifestations of bacterial colonization in newborn infants of a maternity hospital] Ionescu T, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:49-55, Jan-Feb 71 (Rum)
[Etiological structure of acute intestinal disturbances in young children] Altantsétség Zh.
Zh Mikrobiol Epidemiol Immunobiol 47:25-7, Jul 70 (Rus)
[Microbiologic and immunologic studies of the human organism under Antarctic conditions. II. Characteristics of staphylococcal infection in an isolated collective] Tashpulatov RIu, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:68-73, Apr 71 (Rus)
[Microbial flora of the pharynx and dynamics of immunologic reactions in acute respiratory diseases in children] Zhoga VD.
Zh Mikrobiol Epidemiol Immunobiol 48:113-7, 1971 (Rus)
[Incidence of diarrhea with presence of Staphylococcus aureus as a possible causal agent] Araujo de Pérez C.
Acta Cient Venez 22:49-51, 1971 (Spa)
[Staphylococcal infections in the hospital environment] Gomez Luz R.
Med Trop (Madr) 45:243-60, Oct-Dec 69 (Spa)
[Dissemination of pathogenic staphylococcus in a nursery] Diachenko IuV, et al.
Pediatr Akush Ginekol 5:23-4, Sep-Oct 70 (Ukr)

PATHOLOGY

Generalized Staph. aureus infection found at autopsy. Wallmark G, et al.
Acta Pathol Microbiol Scand [B] 78:270-1, 1970
Ultrastructural pathology of mastitis in the mouse. A study of experimental staphylococcal and streptococcal infections. Chandler RL.
Br J Exp Pathol 51:639-45, Dec 70
True bacterial mural endocarditis. Milstoc M, et al.
Chest 59:103-5, Jan 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Cases 34-1971.
N Engl J Med 285:506-16, 26 Aug 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26-1971.
N Engl J Med 285:40-8, 1 Jul 71
Staphylococcal endocarditis--a review of 43 autopsy cases. Steiner I.
Sb Ved Pr Lek Fak Karlovy Univ 13:147-58, 1970
[Peculiar white matter lesions associated with purulent meningitis] Minauf M, et al.
Acta Neuropathol (Berl) 18:262-6, 1971 (Ger)
[A simple method for virulence determination of inflammation-inducing bacteria] Rotter M, et al.
Zentralbl Bakteriol [Orig] 216:517-28, 1971 (Ger)
[Histopathological findings in 3 cases of neonatal and infantile pneumopathies by Staphylococcus pyogenes, Pseudomonas aeruginosa and Escherichia coli 0127] Perrone G, et al.
Minerva Pediatr 21:836-41, 5 May 69 (Ita)

PHYSIOPATHOLOGY

The differential response to infection of autogenous vein versus dacron arterial prosthesis. Bricker DL, et al. Chest 58:566-70, Dec 70
Experimental pyelonephritis. XVI. Pseudomonas aeruginosa, Escherichia coli, and Staphylococcus aureus infections in mice and the effect of "water diuresis". Furtado D, et al.
Yale J Biol Med 43:177-93, Dec 70
[Respiratory function in children with staphylococcal destruction of the lungs] Geras'kin VI, et al.
Khirurgiia (Mosk) 46:52-7, Jul 70 (Rus)
[Brain temperature in experimental purulent meningoencephalitis] Saidova ZN.
Patol Fiziol Eksp Ter 14:27-30, Jul-Aug 70 (Rus)
[Bile secretory function of the liver in staphylococcal infections (experimental study)] Drogovoz SM.
Zh Mikrobiol Epidemiol Immunobiol 47:89-92, Jul 70 (Rus)

PREVENTION & CONTROL

Bacteriological and epidemiological investigations in a hospital. Huijsmans-Evers AG.
Arch Chir Neerl 23:25-34, 1971
An experiment to test the value of hygienic measures in the control of staphylococcal infection of the dairy cow. Edwards SJ, et al. Br Vet J 126:106-12, Feb 70
Prevention of airborne staphylococcal infection in an orthopedic surgical ward. Herold HZ, et al.
Clin Orthop 76:194-8, May 71
Staphylococcal infection in subdivided general surgical wards. Edmunds PN. J Hyg (Camb) 68:531-47, Dec 70
Effect of prophylactic antibiotics in preventing bacteremic infection of vascular prostheses. Moore WS, et al. Surgery 69:825-8, Jun 71
[The antimicrobial impregnation of hospital linen. II. The effect of a special impregnation against staphylococcus] Wigert H, et al.
Dtsch Gesundheitsw 25:1857-60, 24 Sep 70 (Ger)
[Bacterial hospitalism in the light of current knowledge on the origin and mechanism of antibiotic resistance] Lebek G.
Med Monatsschr 24:142-5, Apr 70 (Ger)
[Use of Chlorophyllipt for therapeutic and preventive purposes in obstetrics and gynecology] Galitskiĭ SA.
Akush Ginekol (Mosk) 46:43-6, Oct 70 (Rus)
[Prodigiozan stimulation of the defense reactions of the organism sustaining a severe toxicoinfectious process] Givental' NL.
Antibiotiki 15:335-40, Apr 70 (Rus)
[Activity of prodigiozan by various routes of administration and during non-specific stimulation of local (regional) defense mechanisms] Givental' NL.
Antibiotiki 16:345-50, 1971 (Rus)
[Current status of prevention of postoperative suppurative and septic complications in surgical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

clinics (literature review)] Shabanov AN, et al. Khirurgiia (Mosk) 47:137-41, Jan 71 (64 ref.) (Rus)
[Prevention and therapy of staphylococcal complications in patients with thermal burns] Proskurov VA, et al. Klin Khir 9:63-4, Sep 69 (Rus)
[Antibody titer in surgical patients immunized with staphylococcal anatoxin] Proskurov VA, et al. Vestn Khir 106:3-9, Mar 71 (Rus)
[Effect of immunization of animals with staphylococcus leukocidin and toxoid on the phagocytic activity of macrophages of the peritoneal exudate] Kushko IV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:95-100, 1971 (Rus)
[The immunogenic properties of preparations of staphylococcal leukocidin in experiments on white mice] Rusakova EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:135-9, Dec 70 (Rus)
[Protective somatic antigen of staphylococci] Tolovskaia KR, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:62-5, Dec 70 (Rus)
[Prevention of staphylococcal infection in maternity hospital] Galitskii SA, et al.
Pediatr Akush Ginekol 5:42-4, Sep-Oct 69 (Ukr)
[Prophylaxis of staphylococcal diseases in newborn] Proskurov VA, et al.
Pediatr Akush Ginekol 1:13-5, Jan-Feb 69 (Ukr)

RADIOGRAPHY

Pyogenic osteomyelitis of the spine. May D.
Postgrad Med 50:58-60, Jul 71
Button sequestrum revisited. Sholkoff SD, et al.
Radiology 100:649-52, Sep 71
[Diagnostic role of the straight and cross-section tomography in acute staphylococcal destruction of the lung in children] Vetoshchuk VI, et al.
Pediatr Akush Ginekol 2:19-20, Mar-Apr 70 (Ukr)

SURGERY

Decortication of the heart for staphylococcal pericarditis. Perera NV. Thorax 26:132-6, Jan 71
[Staphylococcal thoracic empyema in African children] Scoville A de. Chirurgie 96:784-90, 1970 (Fre)

THERAPY

A bunch of grapes: the discovery of staphylococci. Hatcher J. Nurs Times 66:1654, 24 Dec 70
A bunch of grapes: the discovery of staphylococci. Hatcher J. Nurs Times 66:1654, 24 Dec 71
[Treatment of purulent pleurisy caused by pyogens] Poulet J.
Cah Coll Med Hop Paris 10:291-8, 15 Apr 69 (Fre)
[Staphylococcal hepatitis treated with the aid of bacteriophages] Samet A, et al.
Pol Przegl Chir 42:1754-6, Dec 70 (Pol)
[Experience in the treatment of 400 children with staphylococcal destruction of the lungs] Kushch NL, et al. Grudn Khir 12:68-72, Sep-Oct 70 (Rus)
[Use of hyperimmune antistaphylococcal plasma] Papko GF, et al.
Khirurgiia (Mosk) 46:88-91, Jul 70 (Rus)
[Use of antistaphylococcal plasma in the complex therapy of staphylococcal sepsis in premature children] Tabolin VA, et al.
Pediatriia 49:27-30, Oct 70 (Rus)
[Effect of surgical treatment on the healing of an experimental infected wound of the cornea in radiation sickness] Paramef VT.
Vestn Oftalmol 1:68-70, Jan-Feb 70 (Rus)
[Use of autovaccines in the treatment of various chronic diseases] Lipkin ME, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:71-3, Oct 69 (Rus)
[Use of staphylococcal bacteriophage for therapeutic and preventive purposes] Proskurov VA.
Zh Mikrobiol Epidemiol Immunobiol 47:104-7, Feb 70 (Rus)
[The effect of ultrasound on the sensitivity of several organisms to antibiotics and on their pathogenic properties] Zanger AIu, et al.
Mikrobiol Zh 31:685-8, Nov-Dec 69 (Ukr)
[Therapy of staphylococcal infections in infants up to 1 year of age] D'iachenko KO.
Pediatr Akush Ginekol 1:27-8, Jan-Feb 71 (Ukr)

VETERINARY

Lymph production during staphylococcic B enterotoxemia-induced shock in monkeys. Rhoda DA, et al. Am J Vet Res 31:1845-51, Oct 70
An experiment to test the value of hygienic measures in the control of staphylococcal infection of the dairy cow. Edwards SJ, et al. Br Vet J 126:106-12, Feb 70
Enhancement of phagocytosis in bovine milk leukocytes in vitro. Newbould FH.
Can J Comp Med 34:281-4, Jul 70
The numbers of intramammary infections and teat duct colonizations in a herd of twins during a hygiene experiment. Newbould FH, et al.
Can J Comp Med 34:203-8, Jul 70
Staphylococcic dermatitis in mink. Crandell RA, et al.
J Am Vet Med Assoc 159:638-9, Sep 71
Evaluation of erythromycin in the treatment of infectious bovine mastitis. Schultz EJ.
J Am Vet Med Assoc 152:376-9, 15 Feb 68
Incidence of intramammary infections and effects of number of lactations, lactation stage, quarter and calf sex on somatic cell content of milk from Angus-Holstein F-1 cows. Wilson LL, et al.
J Anim Sci 33:433-7, Aug 71
Observations on ovine strains of tick-borne fever. Foster WN, et al. J Comp Pathol 80:429-36, Jul 70
Observations on the functional integrity of neutrophil leucocytes infected with tick-borne fever. Foster WN, et al. J Comp Pathol 80:487-91, Jul 70
Experimental ovine mastitis. A pathologic study. el-Etreby MF, et al. Pathol Vet 7:246-64, 1970 (35 ref.)
Experimental infection of the non-lactating bovine udder with Staphylococcus aureus and Streptococcus uberis. Reiter B, et al. Res Vet Sci 11:18-26, Jan 70
Staphylococcal osteomyelitis of the avian vertebral column. Wise DR. Res Vet Sci 12:169-71, Mar 71
The use of rifamycin SV in the treatment of bovine mastitis. Redaelli G, et al. Vet Rec 88:297-304, 20 Mar 71
A note on dry cow therapy in an Israeli dairy herd. Rozenzuaig A, et al. Vet Rec 87:409-10, 3 Oct 70
[Treatment of staphylococcal mastitis in the ewe with massive intramuscular injection of penicillin] Roguinsky M. Bull Acad Vet Fr 41:259-69, Jun 68 (Fre)
[Experiences in the use of gentamicin in monkeys] Poley D.
Dtsch Tieraerztl Wochenschr 76:695-7, 15 Dec 69 (Ger)
[Exudative epidermitis of the piglet (piglet eczema)--etiology and pathogenesis with special reference to Staphylococcus hyicus. I. Literature review] Schulz W.
Monatsh Vet Med 25:428-35, 1 Jun 70 (75 ref.) (Ger)
[Prevention of mastitis using Iosan CCT] Glawischnig E, et al.
Wien Tieraerztl Monatsschr 58:214-20, 1971 (Ger)
[Treatment of chronic staphylococcal mastitis in the cow] Neumeister E.
Wien Tieraerztl Monatsschr 57:1-18, Jan 70 (Ger)
[Experimental treatment of chronic bovine staphylococcal mastitis with lasdomycin and targot mastitis suspension] Neumeister E.
Wien Tieraerztl Monatsschr 58:255-60, Jun 71 (Ger)
[On some characteristics of coagulase-negative staphylococci, "Staph. epidermidis", isolated from the milk-cow udder] Ruffo G.
Arch Vet Ital 21:151-65, 30 Jun 70 (Ita)
[Staphylococcal "animal" phages and a comparative study of their lytic properties] Petrushina LI.
Zh Mikrobiol Epidemiol Immunobiol 47:115-9, Jun 70 (Rus)

STAPHYLOCOCCAL PHAGES (B4)

A subdivision of Staphylococcus aureus strains belonging to the 83A, 84, 85, 6557, 592 complex with special reference to antibiotic resistance. Rosendal K, et al. Acta Pathol Microbiol Scand [B] 79:377-84, 1971
The Burns Unit in Copenhagen. 11. Phage types of Staphylococcus aureus and the relation to antibiotic sensitivity. Thomsen M.
Acta Pathol Microbiol Scand [B] 79:325-32, 1971
Phage typing of Staphylococcus aureus from bovine mastitis. A comparison of phages according to Davidson to the conventional phage set. Thörne H, et al. Acta Pathol Microbiol Scand [B] 78:425-8, 1970
The assessment of a selected set of bacteriophages in the typing of Staphlococcus aureus of bovine origin in Australia. Frost AJ.
Aust J Exp Biol Med Sci 48:651-6, Dec 70
Role of converting bacteriophage in antibiotic resistance of strains of Staphylococcus aureus. Clynes FA, et al. Biochem J 119:26P, Sep 70
Ribitol teichoic acid synthesis in bacteriophage-resistant mutants of Staphylococcus aureus H. Shaw DR, et al.
J Biol Chem 245:5101-6, 10 Oct 70
The use of the polyvalent effect of phages for the differentiation of staphylococci isolated from the pathogenic material. Pillich J, et al.
Zentralbl Bakteriol [Orig] 216:162-7, 1971
[Hemolysin production and lysogenic conversion in Staphylococcus aureus] Dobardzic R, et al.
Ann Inst Pasteur (Paris) 120:42-9, Jan 71 (Fre)
[Use of the phenomenon of alternate lysis of Staphylococcus pyogenes aureus (Twort). II. Action of antiphage serum] German A, et al.
Ann Pharm Fr 26:737-44, 1968 (Fre)
[On the phage-bacterial relationships in pathogenic staphylococci and their epidemiological implication] Gherman D, et al.
Arch Roum Pathol Exp Microbiol 28:1040-7, Dec 69 (Fre)
[New phage preparations active against certain pathogenic staphylococci] Popovici M, et al.
Arch Roum Pathol Exp Microbiol 28:1032-40, Dec 69 (Fre)
[Bacteriophage sensitivity of staphylococci isolated in Moldavia (Rumania) during the past few years] Teodorovici G, et al.
Arch Roum Pathol Exp Microbiol 28:1047-52, Dec 69 (Fre)
[Selection of a strain of Staphylococcus pyogenes "recovered" from its prophage after lysogenic conversion] Duval-Iflah Y, et al.
C R Acad Sci [D] (Paris) 273:246-9, 12 Jul 71 (Fre)
[Phage repression of delta hemolysin in Staphylococcus aureus] Dobardzic R, et al.
Experientia 26:1022-3, 26 Sep 70 (Fre)
[Antibiogram and lysotyping of staphylococci in a hospital environment] Stadtsbaeder S, et al.
Pathol Biol (Paris) 19:5-11, Jan 71 (Fre)
[Morphology of a bacteriophage responsible for a multiple conversion in Staphylococcus aureus] Dobardzic R, et al. Rev Can Biol 29:253-9, Sep 70 (Fre)
[Non-defective phi-RE phage acting as a staphylococcin] Dobardzic R, et al.
Rev Can Biol 30:79-80, Mar 71 (Fre)
[Effect of double lysogenization on elaboration of beta-hemolysin and staphylokinase] Dobardzic R, et al. Rev Can Biol 29:1-6, Mar 70 (Fre)
[The sensitivity of staphylococci of human origin to bovine bacteriophages] Podhajska A.
Zentralbl Bakteriol [Orig] 213:170-82, 1970 (Ger)
[Phage typing, an indispensable method for epidemiologic studies in the surgical environment] Cucchi L, et al. Biol Lat 22:67-73, Jan-Mar 70 (Ita)
[Phagolytic properties and sensitivity to antibiotics of pathogenic staphylococci isolated from children] Veselov AIa. Antibiotiki 15:951-4, Oct 70 (Rus)
[Effect of deuterium oxide on the heat resistance of staphylophage] Popov IuB, et al.
Biofizika 14:186-7, Jan-Feb 69 (Rus)
[The complementarity of the receptor structure of bacteriophage and the sensitivity of microbial cells] Ioffe VI, et al.
Biull Eksp Biol Med 66:85-8, Aug 68 (Rus)
[Experience in the treatment of suppurative diseases of the skin and subcutaneous tissue with penicillin in combination with antiphagin] Shchekotov GM.
Sov Med 32:137-41, Sep 69 (Rus)
[Storage times for lyophilized type staphylococcal phages] Neked'eva NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:108-11, Mar 70 (Rus)
[Staphylococcal "animal" phages and a comparative study of their lytic properties] Petrushina LI.
Zh Mikrobiol Epidemiol Immunobiol 47:115-9, Jun 70 (Rus)
[Use of staphylococcal bacteriophage for therapeutic and preventive purposes] Proskurov VA.
Zh Mikrobiol Epidemiol Immunobiol 47:104-7, Feb 70 (Rus)
[Intensification of the severity of staphylococcal infection and transduction of determinants of penicillinase activity in experiments on albino mice] Shraer DP.
Zh Mikrobiol Epidemiol Immunobiol 47:77-82, Nov 70 (Rus)
[Changes in the phagolytic structure of staphylococci] Veselov AIa.
Zh Mikrobiol Epidemiol Immunobiol 47:92-6, Jul 70 (Rus)
[The effect of bacteriophage on pigment formation by Staphylococcus albus] Kalinchuk AM.
Mikrobiol Zh 32:332-5, May-Jun 70 (Ukr)

DRUG EFFECTS

[Mutagenic action of nitrofurazone, nitrofurantoin and novobiocin on the phage Twort of Staphylococcus compared with the activity of mitomycin: general method for study of mutagenic substances] German A, et al.
C R Acad Sci [D] (Paris) 272:886-9, 8 Feb 71 (Fre)
[Inactivation of staphylococcal and colon bacillus bacteriophage by dendrochin] Bilaĭ VI, et al.
Mikrobiol Zh 32:606-10, Sep-Oct 70 (Ukr)

GROWTH & DEVELOPMENT

[Influencing of intracellular phage development in staphylococci] Bruns W, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:306-7, 1970 (Ger)

IMMUNOLOGY

Immunochemical analysis of a galactosamine-rich teichoic acid of Staphylococcus aureus, phage type 187. Karakawa WW, et al. J Immunol 106:909-6, Apr 71

RADIATION EFFECTS

Inactivation and repair of polyvalent phages of Staphylococcus aureus irradiated with ultra-violet light: comparison of phages irradiated with u.v. light and plated on various bacterial hosts. Křivánková M, et al. Int J Radiat Biol 20:69-73, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

STAPHYLOCOCCAL PNEUMONIA see

PNEUMONIA, STAPHYLOCOCCAL (C1, C5)

STAPHYLOCOCCAL TOXOID (D12)

Active immunoprophylaxis in burns with a new multivalent vaccine. Sachs A. Lancet 2:959-61, 7 Nov 70

[Immunization of mice, by plantar route, with staphylococcal anatoxin. Influence of the antigen and adjuvant concentration on antibody production] Richou R, et al.
C R Acad Sci [D] (Paris) 271:2058-60, 30 Nov 70 (Fre)

[Antibody titer in surgical patients immunized with staphylococcal anatoxin] Proskurov VA, et al.
Vestn Khir 106:8-9, Mar 71 (Rus)

[Thermal stability of staphylococcal anatoxins] Balaian LB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:87-9, Jul 70 (Rus)

[Effect of immunization of animals with staphylococcus leukocidin and toxoid on the phagocytic activity of macrophages of the peritoneal exudate] Kushko IV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:95-100, 1971 (Rus)

[The immunogenic properties of preparations of staphylococcal leukocidin in experiments on white mice] Rusakova EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:135-9, Dec 70 (Rus)

[Level of serum antileukocidin in rabbits immunized with preparations of staphylococcal leukocidin and anatoxin] Vygodchikov GV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:86-93, Apr 70 (Rus)

ANALYSIS

[An accelerated method for indicating staphylococcal toxin in milk and dairy products] Kartashova VM.
Veterinariia 11:105-7, Nov 70 (Rus)

THERAPEUTIC USE

[Treatment of staphylococcal diseases of the eye] Proskurov VA.
Vestn Oftalmol 6:82-3, Nov-Dec 70 (Rus)

[Therapy of staphylococcal infection in infants by means of antistaphylococcal gamma-globulin and staphylococcal anatoxin] Sveshnikova AS, et al.
Pediatr Akush Ginekol 2:17-9, Mar-Apr 70 (Ukr)

STAPHYLOCOCCAL VACCINES (D12)

The release of histamine from blood corpuscles by antigen-antibody reactions. 3. The histamine release from whole blood before and after treatment of pollen allergic patients with staphylococcus vaccine. Berqquist G, et al. Acta Allergol (Kbh) 25:360-4, Dec 70

Active immunoprophylaxis in burns with a new multivalent vaccine. Sachs A. Lancet 2:959-61, 7 Nov 70

Local immunization of ewes with staphylococcal cell and cell-toxoid vaccines. McDowell GH, et al.
Res Vet Sci 12:258-64, May 71

[Use of autovaccines in the treatment of various chronic diseases] Lipkin ME, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:71-3, Oct 69 (Rus)

[Protective somatic antigen of staphylococci] Tolovskaia KR, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:62-5, Dec 70 (Rus)

THERAPEUTIC USE

[Antitoxin therapy of toxic staphylococcal infections] Balló T, et al. Orv Hetil 111:2271-2, 20 Sep 70 (Hun)

STAPHYLOCOCCUS (B3)

Staphylococcal invasion into a new burns unit. Hambraeus A.
Acta Pathol Microbiol Scand [B] 79:446, 1971

Comparison of antigenic structure and phage pattern with biochemical properties of Staphylococcus aureus strains isolated from dogs and pigeons. Oeding P, et al.
Acta Pathol Microbiol Scand [B] 78:414-20, 1970

A comparison of phage pattern and antigenic structure with biochemical properties of Staphylococcus aureus strains isolated from cattle. Oeding P, et al.
Acta Pathol Microbiol Scand [B] 79:357-64, 1971

Phage typing of Staphylococcus aureus from bovine mastitis. A comparison of phages according to Davidson to the conventional phage set. Thörne H, et al. Acta Pathol Microbiol Scand [B] 78:425-8, 1970

Gnotobiology is ecology. Luckey TD.
Am J Clin Nutr 23:1533-40, Nov 70

Staphylococcal clumping on microtiter plates: a rapid, simple method for measuring fibrinogen split products. Leavelle DE, et al.
Am J Clin Pathol 55:452-7, Apr 71

L forms in patients with cystic fibrosis. Kagan BM.
Am Rev Resp Dis 103:727-8, May 71

Effect of aerobic and anaerobic growth on the cell wall of Staphylococcus aureus. O'Brien TC, et al.
Antonie van Leeuwenhoek 37:153-60, 1971

Capillary tube immunological assay for staphylococcal enterotoxins. Gandhi NR, et al.
Appl Microbiol 21:626-7, Apr 71

The location of the D-alanyl ester in the ribitol teichoic acid of Staphylococcus aureus. Mirelman D, et al.
Biochem Biophys Res Commun 39:712-7, 22 May 70

Phosphorylation of a sugar-specific protein component of the lactose transport system in Staphylococcus aureus. Nakazawa T, et al.
Biochem Biophys Res Commun 42:836-43, 5 Mar 71

Toxic epidermal necrolysis produced by an extracellular product of Staphylococcus aureus. Arbuthnott JP, et al. Br J Dermatol 85:145-9, Aug 71

Purification of the delta toxin os Staphylococcus aureus. Caird JD, et al.
Can J Microbiol 16:703-8, Aug 70

Intraspecific transduction in Staphylococcus epidermidis and interspecific transduction between Staphylococcus aureus and Staphylococcus epidermidis. Yu L, et al.
Can J Microbiol 17:767-73, Jun 71

Microbial content in non-sterile pharmaceuticals. VII. Topical preparations. Ulrich K, et al.
Dan Tidsskr Farm 45:39-47, 1971

Release of endogenous pyrogen in cats by staphylococcal enterotoxin B. Clark WG, et al.
Experientia 27:411-2, 15 Apr 71

Septic infarction of the kidney due to Staphylococcus aureus. Reeves JF. Int Surg 54:345-7, Nov 70

Differential depression of staphylococcal plasmid and chromosomal penicillinase genes by a class of unlinked chromosomal mutations (R2-). Cohen S, et al. J Bacteriol 103:616-21, Sep 70

The primary structure of staphylococcal enterotoxin B. II. Isolation, composition, and sequence of chymotryptic peptides. Huang IY, et al.
J Biol Chem 245:3511-7, 25 Jul 70

The primary structure of staphylococcal enterotoxin B. 3. The cyanogen bromide peptides of reduced and aminoethylated enterotoxin B, and the complete amino acid sequence. Huang IY, et al.
J Biol Chem 245:3518-25, 25 Jul 70

Primary structure of staphylococcal enterotoxin B. I. Isolation, composition, and sequence of tryptic peptides from oxidized enterotoxin B. Huang IY, et al.
J Biol Chem 245:3493-510, 25 Jul 70

The tryptophan gene cluster of Staphylococcus aureus. Proctor AR, et al. J Gen Microbiol 64:319-27, Dec 70

Protein A reactivity with mouse immunoglobulins. Structural relationship between some mouse and human immunoglobulins. Kronvall G, et al.
J Immunol 105:1116-23, Nov 70

Assay for fibrinolytic split products: comparison of staphylococcal clumping and hemagglutination-inhibition tests. Leavelle DE, et al.
J Lab Clin Med 77:993-9, Jun 71

Induction of nasal carriage of staphylococci in mice and its relation to hypersensitivity. Modak KK, et al.
J Med Microbiol 4:195-202, May 71

Effects of staphylococcus alpha-toxin and streptolysin S on the oxidation of succinate by ascites tumour cells. Symington DA, et al.
J Med Microbiol 2:495-505, 4 Nov 69

Effect of pH on the haemolysis of rabbit erythrocytes by staphylococcus alpha--toxin. Wright MR.
J Med Microbiol 2:301-8, Aug 69

Coagulase and deoxyribonuclease tests for staphylococci. Stickler DJ, et al.
Med Lab Technol 28:96-7, Jan 71

Toxicity vs purity in staphylococcal enterotoxin "B". Vick JA, et al. Milit Med 135:892-7, Oct 70

Novel species of tRNA. Stewart TS, et al.
Nature (Lond) 230:36-8, 5 Mar 71

Chemotaxis of polymorphonuclear leukocytes by protein A of the staphylococcus. Harvey RL, et al.
Proc Soc Exp Biol Med 135:453-6, Nov 70

Staphylococcal clumping and fibrinogen and fibrin degradation products in inflammatory exudate. Hawiger J, et al.
Proc Soc Exp Biol Med 136:132-6, Jan 71

In vitro anaphylactic response to staphylococcal enterotoxin. McIntosh ME, et al.
Toxicon 9:163-8, Apr 71

Effect of staphylococcal alpha-toxin on mitochondrial Mg2+ (Na+, K+) activated adenosine triphosphatase. Novák E, et al. Toxicon 8:261-70, Nov 70

Effect of staphylococcal alpha-toxin on lysosomal beta-glucuronidase activity. Novák E, et al.
Toxicon 9:111-8, Apr 71

Effect of staphylococcal alpha-toxin on the phosphorylation of ADP by rat liver mitochondria. I. Inhibition of phosphorylation by a thermo-stable factor. Novák E, et al. Toxicon 9:211-8, Jul 71

Blastoid transformation of lymphocytes by staphylococcal aggressin. Fumarola D.
Z Immunitaetsforsch Allerg Klin Immunol 140:313-6, 1970

A study of staphylococci isolated from upper respiratory tract of different animal species. 3. Physiological properties of Staphylococcus aureus strains of porcine origin. Hájek V, et al.
Zentralbl Bakteriol [Orig] 214:68-74, 1970

[Lipase activity of staphylococcus toxin preparations] Novák E, et al. Cesk Fysiol 19:264-6, Dec 70 (Cze)

[Use of the phenomenon of alternate lysis of Staphylococcus pyogenes aureus (Twort). II. Action of antiphage serum] German A, et al.
Ann Pharm Fr 26:737-44, 1968 (Fre)

[On the phage-bacterial relationships in pathogenic staphylococci and their epidemiological implication] Gherman D, et al.
Arch Roum Pathol Exp Microbiol 28:1043-7, Dec 69 (Fre)

[New phage preparations active against certain pathogenic staphylococci] Popovici M, et al.
Arch Roum Pathol Exp Microbiol 28:1033-40, Dec 69 (Fre)

[On the biochemical types of 52-52A-80-81 staphylococci] Skalova R, et al.
Arch Roum Pathol Exp Microbiol 28:888-96, Dec 69 (Fre)

[Bacteriophage sensitivity of staphylococci isolated in Moldavia (Rumania) during the past few years] Teodorovici G, et al.
Arch Roum Pathol Exp Microbiol 28:1047-52, Dec 69 (Fre)

[Preliminary studies of the transfer of bacteriocinogenesis in staphylococci] Vlanu I.
Arch Roum Pathol Exp Microbiol 28:1097-101, Dec 69 (Fre)

[Bacterial strains isolated in 1 year at the Microbiology B Laboratory of the University Hospital Center at Dakar. (Mycobacteria excepted)] Castets M, et al.
Bull Soc Med Afr Noire Lang Fr 14:101-5, 1969 (Fre)

[Phage repression of delta hemolysin in Staphylococcus aureus] Dobardzic R, et al.
Experientia 26:1022-3, 26 Sep 70 (Fre)

[Effect of alpha-staphylotoxin on the guinea pig taenia coli by the sucrose gap method] Kadlec O, et al.
J Physiol (Paris) 62:Suppl 3:392, 1970 (Fre)

[The therapeutic use of anti-A-HP in the treatment of staphylococcal skin diseases as a result of the affinity of the heterophil anti-A-HP AGGLUTININS FOR TEICHOIC ACID] Prokop O, et al.
Acta Biol Med Ger 24:K19-23, 1970 (Ger)

[Growth inhibition of mycoplasmas by staphylococci and pseudomonas aeruginosa] Kunze M.
Zentralbl Bakteriol [Orig] 217:415-6, Jul 71 (Ger)

[Xerobiological investigations on bacteria. II. Direct drying and freeze-drying of Pseudomonas aeruginosa, Staphylococcus aureus and Escherichia coli] Sturdza SA. Zentralbl Bakteriol [Orig] 216:360-9, 1971 (Ger)

[Effects of a new staphylococcal aggressin on the phagocytic activity of neutrophils] Cerra E, et al.
Riv Emoter Immunoematol 16:133-47, 1969 (Ita)

[Inhibition of leukocyte migration by a staphylococcal aggressin] Fossati GC, et al.
Riv Emoter Immunoematol 16:119-27, 1969 (Ita)

[Studies of the antibiotic action of a strain of Staphylococcus on Mycobacteria] Luca D, et al.
Rev Med Chir Soc Med Nat Iasi 74:695-9, Jul-Sep 70 (Rum)

[Characteristic of antagonistic properties of some groups of Actinomycetes against acid resistant microorganisms] Taig MM, et al.
Antibiotiki 14:216-8, 1969 (Rus)

[Transmission of extrachromosomal drug resistance in staphylococci present in animals and the effect of neomycin on this process] Zueva VS, et al.
Antibiotiki 15:316-20, Apr 70 (Rus)

[The effect of staphylococcal leukocidins on human granulocytes] Georgadze TsV.
Biull Eksp Biol Med 68:87-9, Aug 69 (Rus)

[Permeability of the placental barrier with regard to hemolytic staphylococci and trypan blue] Surovtseva ZF. Biull Eksp Biol Med 65:53-5, May 68 (Rus)

[Effect of ethonium on staphylococcal toxin in experiments in vitro] Kucher VI.
Farmakol Toksikol 34:348-50, May-Jun 71 (Rus)

[The role of bacteria in experimental amebiasis] Sarkisian MA.
Med Parazitol (Mosk) 39:671-4, Nov-Dec 70 (Rus)

[The effect of thyroidectomy on the resistance of adult rats to Escherichia coli endotoxin and staphylococcal exotoxin] Belokrylov GA.
Zh Mikrobiol Epidemiol Immunobiol 47:72-4, Aug 70 (Rus)

[The effect of microbial toxins on the permeability of the blood-tissue barrier] Glezerov VZ.
Zh Mikrobiol Epidemiol Immunobiol 47:43-6, Sep 70 (Rus)

[The combined effect of gamma-irradiation and heat on staphylococci] Pershina ZG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:27-9, Dec 70 (Rus)

[Demonstration of antibodies to staphylococcal toxin using the passive hemagglutination test with stable erythrocytes] Prozorovskaia KN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:52-5, Dec 70 (Rus)

[Results of combined infection of a tissue culture with influenza virus A2 and staphylococcus] Tokar' RG, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Zh Mikrobiol Epidemiol Immunobiol 48:100-3, 1971 (Rus)
[Plasmides from Staphylococcus aureus] Dornbusch K.
Nord Med 85:445-6, 8 Apr 71 (Swe)
[The effect of staphylococcal toxin on the bile-secreting function of the liver in animals] Drogovoz SM. Mikrobiol Zh 31:378-82, Jul-Sep 69 (Ukr)

ANALYSIS

Cell walls of methicillin-resistant Staphylococcus aureus. Sabath LD, et al.
Antimicrob Agents Chemother 9:73-7, 1969
Capillary tube assay for staphylococcal enterotoxins A, B, and C. Fung DY, et al.
Appl Microbiol 21:559-61, Mar 71
Coagulase-negative staphylococci as opportunist pathogens. Holt R. Arzneim Forsch 21:325-8, Mar 71
Gas chromatographic determination of the configuration of alanine and serine in staphylococcal cell walls. Gil-Av E, et al.
Biochim Biophys Acta 211:101-3, 7 Jul 70
Hydroxyl apatite column chromatography of enterotoxin B. Chang PC, et al.
Can J Microbiol 17:296-7, Feb 71
Identification of staphylococcal delta-hemolysin. Murphy RA, et al. Can J Microbiol 17:737-9, May 71
Ultracentrifugal analysis of staphylococcal alpha toxin. Foriani L, et al. J Bacteriol 106:138-42, Apr 71
[Staphylococcal toxins and their identification in microbiological practice] Lochmann O, et al.
Cesk Epidemiol Mikrobiol Imunol 20:48-52, Jan 71 (Cze)
[Partial purification of Panton-Valentine-leukozidin of Staphylococcus aureus] Kanoe M, et al.
Z Naturforsch [B] 26:621, Jun 71 (Ger)
[Vertical polyacrylamide gel disk electrophoresis of staphylococcal proteins] Brückler J, et al.
Zentralbl Bakteriol [Orig] 213:161-9, 1970 (Ger)
[Anti-tumor activity and side reaction of bacterial component] Umezawa I.
Jap J Antibiot 23:287-97, Jun 70 (Jap)
[Content of some amino acids, DNA and RNA in antibiotic-resistant Staphylococcus aureus cells] Mikucki J, et al.
Med Dosw Mikrobiol 22:205-10, 1970 (Pol)
[Isolation and characteristics of the antibacterial compound--staphylococcin] Bukharin OV, et al.
Antibiotiki 15:1068, Dec 70 (Rus)
[Nature of penicillin receptor sites and some aspects of metabolism of penicillin resistant forms of bacteria] Torbochkina LI, et al.
Antibiotiki 15:872-6, Oct 70 (Rus)

CLASSIFICATION

A subdivision of Staphylococcus aureus strains belonging to the 83A, 84, 85, 6557, 592 complex with special reference to antibiotic resistance. Rosendal K, et al. Acta Pathol Microbiol Scand [B] 79:377-84, 1971
Bacteriophage types and antibiotic sensitivity patterns of Staphylococcus aureus in Lebanon. Taidi B, et al.
J Med Liban 24:1-13, 1971
A study of staphylococci isolated from the upper respiratory tract of different animal species. IV. Physiological properties of Staphylococcus aureus strains of hare origin. Hájek V, et al.
Zentralbl Bakteriol [Orig] 216:168-74, 1971
The use of the polyvalent effect of phages for the differentiation of staphylococci isolated from the pathogenic material. Pillich J, et al.
Zentralbl Bakteriol [Orig] 216:162-7, 1971
[Classification of aerobic Micrococcacae. Its value for medical bacteriology] Dauchy S, et al.
Bull Soc Pathol Exot 64:152-8, Mar-Apr 71 (Fre)
[The differentiation of pathogenic staphylococci and a suggestion for their taxonomic classification] Hájek V, et al.
Zentralbl Bakteriol [Orig] 217:176-82, Jun 71 (Ger)
[The sensitivity of staphylococci of human origin to bovine bacteriophages] Podhajska A.
Zentralbl Bakteriol [Orig] 213:170-82, 1970 (Ger)
[Lysogenicity studies of pathogenic human and animal staphylococci. I. Differentiation with the aid of 6 indicator strains of human origin] Pulverer G, et al.
Zentralbl Bakteriol [Orig] 203:277-91, 1967 (Ger)
[Typing of methicillin-resistant staphylococci with the aid of lysogeny] Pulverer G, et al.
Zentralbl Bakteriol [Orig] 215:429-34, 1970 (Ger)
[Lysogenicity studies of pathogenic human and animal staphylococci. II. Differentiation trials with the aid of 11 lysogenicity indicator strains of animal origin] Sczuka C, et al.
Zentralbl Bakteriol [Orig] 204:196-202, 1967 (Ger)
[Serological classification of Staphylococcus. 1. Basic study] Sekiya T.
Acta Paediatr Jap 74:979-87, Dec 70 (Jap)
[Serological classification of Staphylococcus. 2. Tachikawa's method] Sekiya T.
Acta Paediatr Jap 74:988-1003, Dec 70 (Jap)
[Laboratory differentiation of staphylococci isolated from animals and man] Artemov AA, et al.
Lab Delo 10:621-3, 1970 (Rus)
[Serological typing of pathogenic staphylococci with factor sera] Akatov AK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:126-9, Jan 71 (Rus)
[Endogenous reserve of Staphylococci] Vaamonde-Fernández R, et al.
Rev Esp Fisiol 27:103-10, Jun 71 (Spa)

CYTOLOGY

The effect of unbalanced cell wall synthesis on the protoplast formation in cells of Staphylococcus aureus "Oxford". Tynecka Z.
Ann Univ Mariae Curie Sklodowska [Med] 24:13-20, 1969
Differential light scattering measurements of heat-treated bacteria. Berkman RM, et al.
Appl Microbiol 20:510-2, Sep 70
Nature and origins of phosphorus compounds in isolated cell walls of Staphylococcus aureus. Mirelman D, et al. J Bacteriol 107:239-44, Jul 71
Thermally induced intracellular alteration of ribosomal ribonucleic acid. Rosenthal LJ, et al.
J Bacteriol 103:833-5, Sep 70
Scanning electron microscopy of intact colonies of microorganisms. Whittaker DK, et al.
J Bacteriol 104:902-9, Nov 70
Antibiotic-induced alterations in the surface morphology of bacterial cells: a scanning-beam electron miscroscopy study. Klainer AS, et al.
J Infect Dis 122:323-8, Oct 70
A capsulate Staphylococcus aureus. Scott AC.
J Med Microbiol 2:253-60, Aug 69
[Effect of bruneomycin on the submicroscopic structure of bacteria] Kats LN, et al.
Antibiotiki 16:60-3, Jan 71 (Rus)
[The submicroscopic structure of staphylococci during the process of toxinogenesis] Paviova IB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:85-8, Mar 70 (Rus)

DRUG EFFECTS

The Burns Unit in Copenhagen. 11. Phage types of Staphylococcus aureus and the relation to antibiotic sensitivity. Thomsen M.
Acta Pathol Microbiol Scand [B] 79:325-32, 1971
In vitro antibacterial activity of trimethoprim and sulphonamides on bacteria causing bovine mastitis. Rasmussen F. Acta Vet Scand 12:131-3, 1971
The decline of antibiotic resistance of Staphylococcus aureus isolated in the community. Bauer AW.
Am J Med Technol 37:247-53, Jun 71
The problems of drug-resistant pathogenic bacteria. Practical effectiveness of agents curing R factors and plasmids. Bouanchaud DH, et al.
Ann NY Acad Sci 182:305-11, 11 Jun 71
Prevalence of extrachromosomal drug resistance. Staphylococci in Danish hospitals during the last decade: factors influencing some properties of predominant epidemic strains. Bülow P.
Ann NY Acad Sci 182:21-39, 11 Jun 71
Genetic aspects of methicillin resistance and toxin production in a strain of Staphylococcus aureus. Dornbusch K. Ann NY Acad Sci 182:91-7, 11 Jun 71
I. Prevalence of extrachromosomal drug resistance. Changes in asusceptibility of selected pathogenic bacteria to widely used antibiotics. Finland M.
Ann NY Acad Sci 182:5-20, 11 Jun 71
Epidemiological and clinical aspects of methicillin resistance and enterotoxin production in Staphylococcus aureus. Hallander HO, et al.
Ann NY Acad Sci 182:98-105, 11 Jun 71
Experimental and clinical aspects of resistance determinants. Mode of resistance against beta-lactam antibiotics in staphylococci. Kayser FH, et al.
Ann NY Acad Sci 182:106-17, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Extrachromosomal nature of drug resistance in Staphylococcus aureus. Novick RP, et al.
Ann NY Acad Sci 182:279-94, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Factors influencing methicillin resistance in staphylococci. Sabath LD, et al.
Ann NY Acad Sci 182:258-66, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Macrolide resistance in staphylococci. Saito T, et al.
Ann NY Acad Sci 182:267-78, 11 Jun 71
The public health implications of drug-resistant bacteria in farm animals. Walton JR.
Ann NY Acad Sci 182:358-61, 11 Jun 71
Unusual resistance of Staphylococcus aureus to lincomycin and 7-chlorolincomycin. Benner EJ, et al.
Antimicrob Agents Chemother 9:100-3, 1969
Susceptibility of "methicillin"-resistant Staphylococcus aureus to 12 antimicrobial agents. Hoeprich PD, et al.
Antimicrob Agents Chemother 9:104-10, 1969
Phenotypic variability in penicillin resistance in a methicillin-resistant strain of Staphylococcus aureus. Seligman SJ.
Antimicrob Agents Chemother 9:90-3, 1969
Antimicrobial activity of sodium n-alkylsalicylates. Buckley D, et al. Appl Microbiol 21:565-8, Apr 71
Injury of bacteria by sanitizers. Scheusner DL, et al.
Appl Microbiol 21:41-5, Jan 71
Potentially infectious agents associated with shearling bedpads: effect of laundering with detergent-disinfectant combinations on Staphylococcus aureus and Pseudomonas aeruginosa. Wilkoff LJ, et al. Appl Microbiol 21:647-52, Apr 71
Studies on the combined action of fucidin and beta-lactam antibiotics on staphylococci. Jakubica P, et al. Arch Immunol Ther Exp (Warsz) 19:205-9, 1971
Role of converting bacteriophage in antibiotic resistance of strains of Staphylococcus aureus. Clynes FA, et al. Biochem J 119:28P, Sep 70
Lysis of Bacillus subtilis, Escherichia coli, and Staphylococcus aureus by phenethyl alcohol. Zyskind JW, et al. Can J Microbiol 17:565-8, Apr 71
Studies on the stability of drugs in biological media. 3. Effect of cupric ion on the stability and antibacterial activity of penicillins in culture medium. Kakemi K, et al. Chem Pharm Bull (Tokyo) 19:730-6, Apr 71
In vitro activity of chloramphenicol combined with cephalothin against D-Nase-positive, multiple-antibiotic resistant strains of Staphylococcus epidermidis. Traub WH.
Chemotherapy 15:234-41, 1970
The in vitro action of mammalian sex hormones on Staphylococcus aureus. Warren GH, et al.
Chemotherapy 15:273-85, 1970
Relationship between Rm values and antibiotic activity of rifamycins against E. coli and Staph. aureus. Biagi GL, et al. Farmaco [Sci] 25:755-60, Oct 70
Clinical implications of methicillin-resistance in Staphylococcus aureus. Harris DM.
Guys Hosp Rep 119:145-54, 1970
Joint action of beta-lactam antibiotics. Cheung KS, et al. Int Z Klin Pharmakol Ther Toxikol 4:309-15, Apr 71
Studies on the drug resistance of Staphylococci and Escherichia coli against antibiotics. 3. Multiple-drug resistances. Otaya H, et al.
J Antibiot (Tokyo) 24:155-71, Mar 71
Stimulation of body defence against Staphylococcus aureus by norinyl. Yotis WW, et al.
J Appl Bacteriol 33:458-69, Sep 70
Aspects of the mechanism of action of some cephalosporins. Russell AD, et al.
J Bacteriol 106:65-9, Apr 71
Erythromycin-inducible resistance in Staphylococcus aureus: requirements for induction. Weisblum B, et al. J Bacteriol 106:835-47, Jun 71
Jr,+MOELLERING RC JR, Tratt G, Weinberg AN: The In Vitro antibacterial effectiveness of antibiotic-detergent combinations. Moellering RC.
J Bone Joint Surg [Am] 53:30-6, Jan 71
Use and control of cephalosporins. Eykyn S.
J Clin Pathol 24:419-29, Jul 71
Changes in the drug resistance of Staphylococcus aureus in a non-hospital population during a 20-year period. Goldie DJ, et al. J Clin Pathol 24:44-7, Feb 71
Cloxacillin-resistant staphylococci in a children's hospital. Skirrow MB, et al.
J Clin Pathol 24:48-52, Feb 71
Growth of selected bacteria in liquid media containing DDT, dieldrin and heptachlor. Langlois BE, et al.
J Dairy Sci 53:1666-70, Dec 70
Effect of aliphatic polyamines on growth and macromolecular syntheses in bacteria. Bachrach U, et al. J Gen Microbiol 60:159-65, Feb 70
Mechanism of tetracycline resistance in Staphylococcus aureus. Sompolinsky D, et al.
J Gen Microbiol 62:351-62, Aug 70
Inducible resistance to tetracycline in Staphylococcus aureus. Sompolinsky D, et al.
J Gen Microbiol 62:341-9, Aug 70
A simple, rapid test to differentiate penicillin-susceptible from penicillin-resistant Staphylococcus aureus. Adams AP, et al.
J Infect Dis 122:544-6, Dec 70
Prevention of antibiotic resistance in vitro in Staphylococcus aureus, Escherichia coli, and Pseudomonas aeruginosa by coumadin. De Courcy SJ Jr, et al. J Infect Dis 123:11-5, Jan 71
Antistaphylococcal and antifibrinolytic activities of omega-amino acids and their L-histidine dipeptides. Fujii A, et al. J Med Chem 14:354-7, Apr 71
Penicillinase production and intrinsic resistance to penicillins in methicillin-resistant cultures of Staphylococcus aureus. Dyke KG.
J Med Microbiol 2:261-78, Aug 69
The detection of methicillin resistance in Staphylococcus aureus. Hewitt JH, et al.
J Med Microbiol 2:443-56, 4 Nov 69
High-frequency transfer of neomycin resistance between naturally occurring strains of Staphylococcus aureus. Lacey RW.
J Med Microbiol 4:73-84, Feb 71
Dwarf-colony variants of Staphylococcus aureus resistant to aminoglucoside antibiotics and to a fatty acid. Lacey RW. J Med Microbiol 2:187-97, Aug 69
Antibacterial activity of certain Mannich bases against Escherichia coli and Staphylococcus aureus. Chatten LG, et al. J Pharm Sci 60:316-8, Feb 71
Synthesis and biological activity of deuteriobenzyl-d7-penicillin. Laskar PA, et al.
J Pharm Sci 59:1727-32, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Methicillin resistant staphylococci. Rubin DJ, et al. JAMA 215:1505, 1 Mar 71

Macrolide resistance in Staphylococcus aureus. Isolation of a mutant in which leucomycin is an active inducer. Saito T, et al. Jap J Microbiol 14:473-8, Nov 70

Macrolide resistance in Staphylococcus aureus. Induction of macrolide resistance by erythromycin and its derivatives. Shimizu M, et al. Jap J Microbiol 15:193-200, Mar 71

Decrease in accumulation of macrolide antibiotics as a mechanism of resistance in Staphylococcus aureus. Yamagishi S, et al. Jap J Microbiol 15:39-52, Jan 71

The effect of temperature and sodium chloride on the intrinsic resistance of Staphylococcus aureus to benzylpenicillin. Annear DI, et al. Med J Aust 1:1169-70, 29 May 71

In-vivo experiments with ethylenediamine-tetra-acetic acid and investigations into its action on penicillin-resistant Staphylococcus aureus. Beaumont RJ. Med J Aust 2:1017-20, 28 Nov 70

EDTA and penicillin resistance of Staphylococcus aureus--a reevaluation. Rawal BD. Med J Aust 1:386-7, 13 Feb 71

Structure-activity relationships in membrane-perturbing agents. Hemolytic, narcotic, and antibacterial compounds. Hansch C, et al. Mol Pharmacol 7:337-54, May 71

Production of antibiotics by geophilic dermatophytes. I. Screening test of antibacterial activity. Gip L, et al. Mykosen 13:397-400, 1 Aug 70

Rapid detection of penicillin sensitivity in Staphylococcus aureus. Berkman RM, et al. Nature (Lond) 228:458-60, 31 Oct 70

Antibiotic resistance amongst haemolytic staphylococci isolated from bovine milk samples in New Zealand. Elliott RE. NZ Vet J 19:95-9, May 71

Altered methylation of ribosomal RNA in an erythromycin-resistant strain of Staphylococcus aureus. Lai CJ, et al. Proc Natl Acad Sci USA 68:856-60, Apr 71

Some features of antibiotic resistance in staphylococci: mercury resistance and multiple antibiotic resistance. Williams RF. Proc R Soc Med 64:540-4, May 71

Activity of minocycline and other tetracyclines against tetracycline-sensitive and -resistant staphylococci. Kuck NA, et al. Proc Soc Exp Biol Med 136:479-81, Feb 71

Microscopic observation of cell-wall modifications in Staphylococcus aureus cells treated with chloramphenicol or phenethyl alcohol. Cadieux G, et al. Rev Can Biol 29:219-25, Sep 70

Notes on methicillin resistance in pathogenic staphylococci investigated according to epidemiological criteria. Teodorovici G, et al. Rev Med Chir Soc Med Nat Iasi 75:403-8, Apr-Jun 71

The antibiotic resistance pattern of 192 strains of Staphylococcus aureus. Hui SE, et al. Singapore Med J 11:156-61, Sep 70

Activity of selected compounds against penicillinase producing Staphylococcus aureus. Dulaney EL. Trans NY Acad Sci 32:843-57, Nov 70

Detection of rifampicin in urine by a simple microbiological assay. Mitchison DA, et al. Tubercle 51:300-4, Sep 70

The production of resistance to rifamycin SV in Staphylococcus aureus recovered from bovine udders. Ziv G. Zentralbl Veterinaermed [B] 17:633-6, Jun 70

[Resistance of microbes isolated in persons subjected to occupational exposure to chlortetracycline] Schön E, et al. Cas Lek Cesk 110:798-801, 1971 (Cze)

[Sensitivity to antibiotics in staphylococci isolated from workers exposed to chlortetracycline] Schön E, et al. Cesk Epidemiol Mikrobiol Imunol 20:1-8, Jan 71 (Cze)

[Susceptibility of the bacterial flora of the anterior eye segment to antibiotics] Preisová J, et al. Cesk Oftalmol 27:140-4, May 71 (Cze)

[Influence of several factors on the induction by oxacillin of Staphylococcus aureus L forms] Gilain A, et al. Ann Inst Pasteur (Paris) 120:599-606, May 71 (Fre)

[Comparative study of the action of mitomycin C and nalidixic acid on normal and lysogenic staphylococci] German A, et al. Ann Pharm Fr 29:93-106, Feb 71 (Fre)

[Anti-staphylococcal bactericidal activity of leukocyte extract] Mirzoev M. Arch Roum Pathol Exp Microbiol 28:379-87, Jun-Sep 69 (Fre)

[Statistical study of changes in susceptibility to antibiotics of pathogenic staphylococci] Teodorovici G, et al. Arch Roum Pathol Exp Microbiol 28:207-10, Mar 69 (Fre)

[Kinetics of the antibacterial activity of chloramphenicol and thiamphenicol in vitro and in vivo] Yourassowsky E, et al. Arzneim Forsch 20:1106-9, Aug 70 (Fre)

[Mutagenic action of nitrofurazone, nitrofurantoin and novobiocin on the phage Twort of Staphylococcus compared with the activity of mitomycin: general method for study of mutagenic substances] German A, et al. C R Acad Sci [D] (Paris) 272:886-9, 8 Feb 71 (Fre)

[Recent studies on modifications of the sensitivity of Staphylococcus aureus to penicillin under the effect of amino acids] Nicolle J, et al. C R Acad Sci [D] (Paris) 272:2265-8, 26 Apr 71 (Fre)

[Bactericidal power of antibiotic combinations of rifamycin S.V. on pathogenic staphylococci] Brunel A, et al. C R Soc Biol (Paris) 164:332-6, 25 Sep 70 (Fre)

[Bactericidal effect of penicillin and rate of bacterial multiplication] Lecocq E, et al. C R Soc Biol (Paris) 164:1875-7, 1970 (Fre)

[Synergism of antibiotic components of the streptogramin group] Chabbert YA, et al. Pathol Biol (Paris) 19:813-9, Jun-Jul 71 (Fre)

[Paradoxical effect of sodium chloride on oxacillin activity with regard to Staphylococcus aureus strains sensitive or resistant to this antibiotic] Yourassowsky E, et al. Pathol Biol (Paris) 18:819-22, Oct 70 (Fre)

[Heterogeneous resistance to methicillin and lysotype in Staphylococcus aureus] Audurier A, et al. Presse Med 79:1125, 15 May 71 (Fre)

[Sensitivity to antibiotics, lysotyping and serotyping of strains of pathogenic staphylococci isolated in a military environment from 1965 to 1968] Thabaut A, et al. Rev Corps Sante Armees 12:215-31, Apr 71 (Fre)

[15 years of experience in the study of antibiotic resistance and lysotyping of pathogenic staphylococci] Teodorovici G, et al. Rev Med Chir Soc Med Nat Iasi 74:1059-61, Oct-Dec 70 (Fre)

[Studies on the survival time of bacteria on surfaces and the possibilities of influencing it. 3. Influence of various light conditions and preceding disinfection using plastic materials] Gundermann KO, et al. Arch Hyg Bakteriol 154:480-7, Apr 71 (Ger)

[Antibacterial effect of lincomycin and 7-chloro-7-desoxylincomycin (Sobelin)] Ritzerfeld W, et al. Arch Hyg Bakteriol 154:37-41, Jun 70 (Ger)

[Analysis of Do9 action upon resistant staphylococci] Bruns W, et al. Naunyn Schmiedebergs Arch Pharmakol 266:305-6, 1970 (Ger)

[Kinetics of the killing of Staphylococcus aureus with formaldehyde] Salfinger M. Pathol Microbiol (Basel) 36:277-8, 1970 (Ger)

[The effect of various organic solvents on the growth of bacteria] Patsch R, et al. Z Allg Mikrobiol 11:49-56, 1971 (Ger)

[The phenomenom of resistance and cross resistance to erythromycin, lincomycin and staphylomycin] Goldmann SF, et al. Z Med Mikrobiol Immunol 156:168-74, 1971 (Ger)

[The antimicrobial action of blood serum following simultaneous application of gentamicin and carbenicillin] Výmola F, et al. Zentralbl Bakteriol [Orig] 216:345-9, 1971 (Ger)

[Current data on the antibacterial effect of new benzylidene flavonones, benzylidene acetophenones (chalcons) and other acetophenones] Gábor M, et al. Acta Pharm Hung 40:233-6, 1970 (Hun)

[Sensitive mutants of a penicillin-resistant Staphylococcus strain, produced by electric stimulation, Preliminary report] Pelle P. Acta Pharm Hung 41:103-9, 1971 (Hun)

[Synthetic human corticotropin (alpha-h ACTH) and bacterial phagocytosis of leukocytes] Réfi M, et al. Orv Hetil 112:1330-2, 6 Jun 71 (Hun)

[Antibiotic resistance of staphylococci isolated from a surgical environment] Cucchi L, et al. Biol Lat 22:51-8, Jan-Mar 70 (Ita)

[Indicative examination of the bactericidal capacity of fluids, useful expedient in the practice of clinical bacteriology] Luciano C, et al. Chir Ital 21:158-70, Apr 69 (Ita)

["In vitro" activity of gentamicin. Research of bacterial strains isolated from various forms of morbidity] Panero C, et al. G Ital Chemioter 16:60-3, Jan-Sep 69 (Ita)

[Further Novara contribution on the antibiotic resistance of pyogenic staphylococci] Fumagalli E. G Mal Infett Parassit 22:150-4, Feb 70 (Ita)

[Results of staphylococcus sensitivity test, 1969] Suda S, et al. Ophthalmology (Tokyo) 13:167-75, Feb 71 (Jap)

[Study of biological activity of 6-methylene-5-hydroxytetracycline-methylkanamycin] Sobiczewski W, et al. Acta Pol Pharm 27:401-3, 1970 (Pol)

[Synergistic effect of trimethoprim and sulfamethoxazole on staphylococci, group A streptococci and diplococcus pneumoniae] Cybulska J, et al. Med Dosw Mikrobiol 23:117-21, 1971 (Pol)

[Studies on chloramphenicol inactivation by staphylococci] Kędzia B. Med Dosw Mikrobiol 22:219-29, 1970 (Pol)

[Content of some amino acids, DNA and RNA in antibiotic-resistant Staphylococcus aureus cells] Mikucki J, et al. Med Dosw Mikrobiol 22:205-10, 1970 (Pol)

[Analysis of the absence of correlation between the effectiveness of treatment of otitis media and the in vitro sensitivity to antibiotics of microorganisms] Szczypiorski K, et al. Otolaryngol Pol 25:199-203, 1971 (Pol)

[Appearance of a new hospital type of Staphylococcus aureus resistant to methicillin] Samet A, et al. Pediatr Pol 45:1351-3, Nov 70 (Pol)

[Methicillin-resistant Staphylococcus aureus strains isolated in Gdańsk hospitals] Kryński S, et al. Pol Tyg Lek 25:1565-7, 19 Oct 70 (Pol)

[Studies of the sensitivity of Staphylococcus aureus strains to antibiotics] Tubylewicz H, et al. Pol Tyg Lek 25:1243-4, 17 Aug 70 (Pol)

[Staphylococcus aureus in the air of a neonatal ward during an endemic occurrence of strains resistant to methicillin] Kryński S, et al. Przegl Epidemiol 25:105-9, 1971 (Pol)

[Antibiotic resistance of coagulase-positive staphylococci isolated from patients in the Katowice province in the years 1962-1967] Szaflarski J, et al. Przegl Epidemiol 25:91-5, 1971 (Pol)

[Present characteristics of staphylococcal septicemias] Joean R, et al. Microbiol Parazitol Epidemiol (Bucur) 16:121-6, Mar-Apr 71 (Rum)

[Characteristic of the causative agents of acute pneumonia isolated from patients treated with antibiotics] Abkarovich GF. Antibiotiki 15:654-7, Jul 70 (Rus)

[Distribution of carriers of resistant Staphylococcus strains among healthy persons and its connection with the use of antibiotics] Baroian OV, et al. Antibiotiki 15:845-9, Sep 70 (Rus)

[Effect of acrichine on the development of staphylococcal resistance toward some antibiotics] Bass TM. Antibiotiki 15:1029-33, Nov 70 (Rus)

[Effect of reaction of medium and anaerobic conditions on the action of oletetrine (sigmamycin) and the combination of erythromycin with tetracycline] Bass TM. Antibiotiki 15:843-5, Jul 70 (Rus)

[The increase of resistance of Staphylococcus and Escherichia coli to some antibiotics and their combinations with DNA-tropic substances] Brodinova NS, et al. Antibiotiki 15:801-6, Sep 70 (Rus)

[Penicillinase resistant semisynthetic penicillins--antibacterial action and circulatory characteristics of patients' blood] Fomina IP, et al. Antibiotiki 16:153-8, Feb 71 (Rus)

[Effect of heterogenic antipenicillinase serum on the penicillinase activity of Staphylococci and their sensitivity to penicillin] Gromova GN. Antibiotiki 15:1075-8, Dec 70 (Rus)

[Laboratory bases for the effective use of antibiotics in neurosurgery] Imshenetskaia VF. Antibiotiki 15:1041-4, Nov 70 (Rus)

[Comparative evaluation of the effect of lincomycin, novobiocin, methicillin and oxacillin on staphylococci isolated in the neurosurgical clinic] Imshenetskaia VF. Antibiotiki 15:341-5, Apr 70 (Rus)

[Effect of gramicidin C on the submicroscopic structure of bacteria] Kats LN, et al. Antibiotiki 15:312-6, Apr 70 (Rus)

[Effect of bruneomycin on the submicroscopic structure of bacteria] Kats LN, et al. Antibiotiki 16:60-3, Jan 71 (Rus)

[Possibility of the use of biochemical mutants of microorganisms for preliminary characterization of the mechanism of action of new antibiotics] Kochetkova GV, et al. Antibiotiki 16:53-6, Jan 71 (Rus)

[Effectiveness of the use of Staphylococcus aureus 209 mutant UV-2 at different stages of screening of new antineoplastic antibiotics] Kochetkova GV, et al. Antibiotiki 15:587-90, Jul 70 (Rus)

[Effectiveness of kanamycin in experimental acute and chronic staphylococcal infection] Kuznetsova SM, et al. Antibiotiki 15:730-4, Aug 70 (Rus)

[Biological properties of staphylococci and the sensitivity to antibiotics of the flora isolated from patients with chronic purulent otitis media] Levina AA. Antibiotiki 14:267-71, 1969 (Rus)

[Disappearance of penicillin resistance under the effect of acridine dyes and hydroxylamine in staphylococcal cultures] Moroz AF, et al. Antibiotiki 14:235-42, 1969 (Rus)

[The Soviet antibacterial drug chlorophillipt] Nadtoka VL. Antibiotiki 15:888-92, Oct 70 (Rus)

[Chemical study of antibiotic 31 from Pseudomonas] Rabinovich AS, et al. Antibiotiki 14:231-5, 1969 (Rus)

[Distribution of drug resistance and phage types of Staph. aureus isolated from clinical material of different origin] Shenderov BA, et al. Antibiotiki 15:866-10, Sep 70 (Rus)

[Effect of tetracycline in combination with other antibiotics on causative agents of purulent infection] Shestialtynova IS. Antibiotiki 16:72-5, Jan 71 (Rus)

[Study of sensitivity of Staphylococcus and Pseudomonas aeruginosa toward tetracycline and its combinations with sulfonamides of prolonged action] Shestialtynova IS. Antibiotiki 15:840-2, Jul 70 (Rus)

[Development of staphylococcal resistance to ethonium and some antibiotics] Sidorchuk II, et al. Antibiotiki 16:302-4, 1971 (Rus)

[Dynamics of the distribution of rifocin in patients with chronic tonsillitis at different methods of administration] Skurkovich GV, et al. Antibiotiki 15:1117-20, Dec 70 (Rus)

[Comparative study of the sensitivity to different antibiotics of Staphylococci isolated from patients

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and attendants] Sobolev VR, et al.
Antibiotiki 16:162-7, Feb 71 (Rus)
[Phagolytic properties and sensitivity to antibiotics of pathogenic staphylococci isolated from children] Veselov AIa. Antibiotiki 15:951-4, Oct 70 (Rus)
[Development of penicillin resistance in staphylococci in the body of experimental animals] Voropaeva SD. Antibiotiki 16:79-82, Jan 71 (Rus)
[Multiple resistance to antibiotics in clinical strains of staphylococci] Voropaeva SD, et al.
Antibiotiki 15:892-7, Oct 70 (Rus)
[Properties of drug-resistant staphylococci following treatment with 5-nitrofuran derivatives] Sherishorina SI, et al.
Biull Eksp Biol Med 71:52-4, Jan 71 (Rus)
[The ability of microorganisms of the genus Shigella and Salmonella to inactivate antibitics] Kvetnaia AS.
Lab Delo 11:648-9, 1970 (Rus)
[Transmission of multiple drug resistance in staphylococcal strains, isolated in the clinic] Smolianskaia AZ, et al. Lab Delo 11:669-72, 1970 (Rus)
[The effect of ristomycin and vancomycin on cytoplasmic membrane permeability and incorporation of P32 into different fractions of Staphylococcus aureus 209-P cells] Dormidoshina TA.
Mikrobiologiia 39:389-93, May-Jun 70 (Rus)
[Reasons for the residual growth of Staphylococcus aureus 209 in the presence of bacteriostatic concentrations of antibiotics--protein synthesis inhibitors] Kozyreva LF, et al.
Mikrobiologiia 40:311-6, Mar-Apr 71 (Rus)
[Amino acid and carbohydrate composition of Staphylococcus cultures sensitive and resistant to nitrofurans] Mafko II, et al.
Mikrobiologiia 38:848-50, Sep-Oct 69 (Rus)
[Bacteriostatic and bactericidal properties of new compositions of the tissue adhesive Cyacrin in relation to Staphylococcus and Streptococcus] Bobrovkova NG, et al. Oftalmol Zh 25:437-9, 1970 (Rus)
[Bacteriological method of controlling the quality of livestock premises disinfection] Iarnykh VS, et al.
Veterinariia 6:34-6, Jun 70 (Rus)
[Effect of certain compounds on the transmission of extrachromosomal determinants of drug resistance in staphylococci] Baroian OV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:52-5, Oct 70 (Rus)
[The effect of various disinfecting drugs as revealed by fluorescent microscopy] Mnatsakanian ShS.
Zh Mikrobiol Epidemiol Immunobiol 47:149-52, Aug 70 (Rus)
[Effect of monoamine oxidase inhibitors on bacterial multiplication in experiments in vitro] Romanovskaia MG.
Zh Mikrobiol Epidemiol Immunobiol 48:84-7, Jan 71 (Rus)
[The mechanism of monochloramine action on bacteria. I. Submicroscopic changes in staphylococcal and Escherichia coli cells under the influence of monochloramine] Tiurin VS.
Zh Mikrobiol Epidemiol Immunobiol 47:51-6, Sep 70 (Rus)
[Microflora of the esophagus and its sensitivity to antibiotics in the presence of foreign bodies] Iur'ev LP. Zh Ushn Nos Gorl Bolezn 29:72-5, Jul-Aug 69 (Rus)
[In vitro sensitivity of S. aureus to methicillin and cloxacillin in the past 8 years (1961-1968)] Ledermann W, et al. Rev Chil Pediatr 41:213-5, Mar 70 (Spa)
[Ethylene oxide sterilization in hospitals] Nyström B.
Lakartidningen 67:4657-63, 7 Oct 70 (Swe)
[Antimicrobic effect of ether oils] Dovgich NA.
Mikrobiol Zh 33:253-5, Mar-Apr 71 (Ukr)
[The antibacterial effect of ethonium on Staphylococcus aureus] Gladyshevskaia-Veselovska, et al. Mikrobiol Zh 32:388-90, May-Jun 70 (Ukr)
[Resistance of staphylococci to ethonium and some antibiotics] Kucher VI.
Mikrobiol Zh 32:502-5, May-Jun 70 (Ukr)
[Disinfecting effect of compounds of the aroylalkylene triphenyl phosphorane type] Sidorchuk II, et al.
Mikrobiol Zh 32:520-2, May-Jun 70 (Ukr)
[Acquisition of resistance to preparation SH-24 and some antibiotics by staphylococci] Sidorchuk II, et al.
Mikrobiol Zh 32:614-7, Sep-Oct 70 (Ukr)
[Study of staphylococcal resistance to decametoxin and some antibiotics] Sidorchuk II, et al.
Mikrobiol Zh 32:610-4, Sep-Oct 70 (Ukr)
[Antimicrobial activity of galascorbin] Voronkov VE, et al. Pediatr Akush Ginekol 2:28, 1971 (Ukr)
[Lack of plasmid governing the induced resistance to pristinamycin in staphylococcus aureus] Castro A, et al. Antibiotica 7:163-73, Jun 69 (Mul)
[Some aspects of resistance of animal staphylococci to antibiotics] Entnerová K, et al.
Cas Lek Cesk 110:805, 1971 (Slo)

ENZYMOLOGY

Studies on endo-beta-acetylglucosaminidase, staphylolytic peptidase, and N-acetylmuramyl-L-alanine amidase in lysostaphin and from Staphylococcus aureus. Wadstrom T, et al. Acta Pathol Microbiol Scand [B] 79:248-64, 1971
Staphylococcylytic enzymes. Wadström T, et al. Acta Pathol Microbiol Scand [B] 79:447, 1971
Penicillinase production in the evaluation of disk sensitivity testing of staphylococci to penicillin. Duma RJ, et al. Am J Clin Pathol 53:865-70, Jun 70
Insoluble radioactive DNA complex for determination of Staphylococcus aureus deoxyribonuclease activity. Sharpe AN, et al. Anal Biochem 41:430-4, Jun 71
The problems of drug-resistant pathogenic bacteria. Comparative enzymology of chloramphenicol resistance. Shaw WV.
Ann NY Acad Sci 182:234-42, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Effect of rifampicin and selected rifamycin derivatives on staphylococcal beta-lactamase plasmids. Zimmermann W, et al.
Ann NY Acad Sci 182:328-41, 11 Jun 71
Peptidase activity of yeast plasmocoagulase. Zaikina NA. Antonie van Leeuwenhoek 35:Suppl:125-6, Jun 69
Metachromatic agar-diffusion methods for detecting staphylococcal nuclease activity. Lachica RV, et al.
Appl Microbiol 21:585-7, Apr 71
Nuclease production and lysostaphin susceptibility of Staphylococcus aureus and other catalase-positive cocci. Lachica RV, et al.
Appl Microbiol 21:823-6, May 71
Comparison of animal sera for suitability in coagulase testing. Orth DS, et al. Appl Microbiol 21:420-5, Mar 71
Investigation of the penicillinase activity in L colonies of Staphylococcus aureus. Rosdahl VT, et al.
Appl Microbiol 20:871-4, Dec 70
Isolation and characterization of a staphylococcal lipase. Troller JA, et al.
Appl Microbiol 20:480-4, Sep 70
Hydrolysis of oligopeptides by the staphylolytic enzymes, L-11 enzyme and ALE. Suginaka H, et al.
Biken J 13:145-8, Jun 70
Bacteriolytic enzymes from Staphylococcus aureus. Properties of the endo-beta-N-acetylglucosaminidase. Wadström T. Biochem J 120:745-52, Dec 70
Bacteriolytic enzymes from Staphylococcus aureus. Specificity of ction of endo-beta-N-acetylglucosaminidase. Wadström T, et al. Biochem J 120:735-44, Dec 70
Bacteriolytic enzymes from Staphylococcus aureus. Purification of an endo-beta-N-acetylglucosaminidase. Wadström T, et al. Biochem J 120:725-34, Dec 70
Modification of staphylococcal nuclease with nitrophenylsulfenyl halides. Parikh I, et al.
Biochemistry 10:1173-7, 30 Mar 71
Proton magnetic resonance studies of the tyrosine residues of staphylococcal nuclease using [3,5- 2 H 2] tyrosine. Cohen JS, et al.
Biochim Biophys Acta 236:468-78, 25 May 71
Effect of thermal injury on the TCA cycle enzymes of Staphylococcus aureus MF 31 and Salmonella typhimurium 7136. Tomlins RI, et al.
Can J Microbiol 17:759-65, Jun 71
Staphylococcal ornithine carbamoyltransferase. Purification and some properties. Zaharia O, et al.
Eur J Biochem 18:28-34, 1 Jan 71
Nuclear magnetic resonance studies on selectively deuterated staphylococcal nuclease. Jardetzky O, et al. Farmaco [Sci] 25:894-7, Nov 70
A comparison of the penicillinases from a methicillin-sensitive and froma a methicillin-resistant strain of Staphylococcus aureus. Hamilton-Miller JM.
Guys Hosp Rep 119:155-71, 1970
Penicillin-sensitive enzymatic reactions in bacterial cell wall synthesis. Strominger JL.
Harvey Lect 64:179-213, 1968-69 (88 ref.)
Biochemical activity of coagulase positive and coagulase negative staphylococci isolated from pathological material. Jayakar PA, et al.
Indian J Pathol Bacteriol 13:62-7, Apr 70
Formation of bacteriolytic enzymes in batch and continuous culture of Staphylococcus aureus. Arvidson S, et al. J Bacteriol 104:227-33, Oct 70
Extracellular cell wall lytic enzyme from Staphylococcus aureus: purification and partial characterization. Huff E, et al.
J Bacteriol 103:761-9, Sep 70
Stability of penicillinase plasmids in Staphylococcus aureus. Johnston LH, et al. J Bacteriol 107:68-73, Jul 71
Evidence for genetic interaction between plasmid and chromosomal penicillinase linkage groups in Staphylococcus aureus. Vernon EG, et al.
J Bacteriol 103:826-9, Sep 70
Biosynthesis of the peptidoglycan of bacterial cell walls. XX. Identification of phosphatidylglycerol and cardiolipin as cofactors for isoprenoid alcohol phosphokinase. Higashi Y, et al.
J Biol Chem 245:3691-6, 25 Jul 70
Biosynthesis of the peptidoglycan of bacterial cell walls. XIX. Isoprenoid alcohol phosphokinase. Higashi Y, et al. J Biol Chem 245:3683-90, 25 Jul 70
The increased rate of loss of penicillinase plasmids from Staphylococcus aureus in the presence of rifampicin. Johnston JH, et al.
J Gen Microbiol 60:137-9, Jan 70
Anaerobiosis and the activity of enzymes of pyrimidine biosynthesis in Staphylococcus aureus. McIlimurray MB, et al. J Gen Microbiol 64:269-77, Dec 70
Observations on the coagulase and deoxyribonuclease tests for staphylococci. Brandish JM, et al.
J Med Lab Technol 27:355-8, Jul 70
Haemolysin and enzyme patterns of coagulase-positive staphylococci isolated from toxic epidermal necrolysis, Ritter's disease and impetigo contagiosa. Arbuthnott JP, et al.
J Med Microbiol 2:479-87, 4 Nov 69
Nuclear magnetic resonance studies of the structure and binding sites of enzymes. XIV. Inhibitor binding to staphylococcal nuclease. Markley JL, et al.
J Mol Biol 50:223-33, 14 Jun 70
Proton magnetic resonance studies at 220 MHz of the histidine residues of staphylococcal nuclease. Cohen JS, et al. Nature (Lond) 228:842-4, 14 Nov 70
Exciplexes and the fluorescence of Staphylococcus aureus endonuclease. Longworth JW, et al.
Photochem Photobiol 12:29-35, Jul 70
Antibodies against lipase from staphylococci. Lundbeck H, et al.
Progr Immunobiol Stand 4:417-21, 1970
Distribution of nucleoside phosphotransferase in Staphylococci and Micrococci. Komagata K, et al.
Zentralbl Bakteriol [Naturwiss] 124:653-7, 1970
[Selection of a strain of Staphylococcus pyogenes "recovered" from its prophage after lysogenic conversion] Duval-Iflah Y, et al.
C R Acad Sci [D] (Paris) 273:246-9, 12 Jul 71 (Fre)
[The role of lipases in the lipoid- and total metabolism of Staphylococcus aureus] Fritsche D.
Zentralbl Bakteriol [Orig] 217:483-500, Aug 71 (Ger)
[Concentration and identification of penicillinase of Staphylococcus aureus] Schaeg W, et al.
Zentralbl Bakteriol [Orig] 214:62-7, 1970 (Ger)
[On some characteristics of coagulase-negative staphylococci, "Staph. epidermidis", isolated from the milk-cow udder] Ruffo G.
Arch Vet Ital 21:151-65, 30 Jun 70 (Ita)
[Isolation and immunological study of acid phosphatase of Staphylococcus] Arai Y.
Nippon Ika Daigaku Zasshi 37:407-9, Dec 70 (Jap)
[Effect of gramicidin C on the dehydration of substrates by bacteria] Bulgakova VG, et al.
Antibiotiki 15:603-7, Jul 70 (Rus)
[Correlation between the resistance of clinical staphylococcal strains to penicillin and the formation of penicillinase] Gromova GN.
Antibiotiki 16:75-8, Jan 71 (Rus)
[Staphylococcal penicillinase and the effect of ceporin in combination with benzylpenicillin on the enzyme] Shraer DP. Antibiotiki 15:700-3, Aug 70 (Rus)
[Electron microscopic study of the localization of tellurite and tetrazolium compounds in intact and dissolved cells and in membrane fractions of Staphylococcus] Tordzhian IKh, et al.
Dokl Akad Nauk SSSR 186:1192-4, 11 Jun 69 (Rus)
[The anticoagulant properties of the blood plasma of patients with suppurative staphylococcal infections under clinical and experimental conditions] Bulaĭ AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:62-6, Oct 69 (Rus)
[Induced synthesis of plasmocoagulase by several microorganisms] Klinov NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:98-103, Mar 70 (Rus)
[Intensification of the severity of staphylococcal infection and transduction of determinants of penicillinase activity in experiments on albino mice] Shraer DP.
Zh Mikrobiol Epidemiol Immunobiol 47:77-82, Nov 70 (Rus)
[The dynamics of changes in the toxigenic and enzyme properties of pathogenic staphylococci in tissue cultures] Smol'skaia TT, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:91-5, Aug 70 (Rus)
[Mechanism of action of monochloramine on bacteria. II. Change in the succinate dehydrogenase, succinate oxidoreductase, and adenosine triphosphatase activity of staphylococcus and E. coli under the action of monochloramine] Tiurin VS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:63-6, Oct 70 (Rus)
[The effect of triphenylphosphonium salts on several oxidative-reductive enzymes of staphylococcus aureus] Sidorchuk II.
Mikrobiol Zh 31:670-4, Nov-Dec 69 (Ukr)

GROWTH & DEVELOPMENT

The effect of lysozyme and meticillin on the growti of meticillin resistant and sensitive staphylococcus aureus strains. Rozgonyi F, et al.
Acta Microbiol Acad Sci Hung 17:95-103, 1970
Bacterial interference between strains of Staphylococcus aureus, 1960 to 1970. Shinefield HR, et al. Am J Dis Child 121:148-52, Feb 71
Effect of storage of Mueller-Hinton agar plates on zone sizes for antimicrobial testing. Dewees LB, et al.
Appl Microbiol 20:293-7, Sep 70
Initiation of staphylococcal growth in processed meat environments. Genigeorgis C, et al.
Appl Microbiol 21:940-2, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Initiation of staphylococcal growth in laboratory media. Genigeorgis C, et al. Appl Microbiol 21:934-9, May 71

The effect of simulation of the volume changes which occur in the udder on the in vitro multiplication of staphylococci in bovine milk. Derbyshire JB, et al. Res Vet Sci 11:475-6, Sep 70

Effects of amino acid analogs on growth and toxin of Staphylococcus aureus. Matheieu LG, et al. Rev Can Biol 29:271-8, Sep 70

Studies on the transmissibility of pathogenic-organisms to liver by larvae of liver fluke and hookworm. Soh CT, et al. Yonsei Med J 10:109-16, 1969

The in vitro effects of pH and type of milk media on the growth of mastitis organisms as related to antibiotic sensitivity tests. Ziv G. Zentralbl Veterinaermed [B] 18:72-9, 1 Feb 71

[Hemolytic activity of bacteria] Filipe AD. Progr Immunobiol Stand 4:618-22, 1970 (Fre)

[Influence of hydrogen-ion concentration on the bacterial growth] Paotzold OH. Cosmetologica 19:353-62, 20 Oct 70 (Ger)

[Reduction of heat resistance of microorganisms] Kniewallner K, et al. Wien Tieraerztl Monatsschr 57:330-7, Oct 70 (Ger)

[Criteria of bacterial count in urine. I. The growth of Escherichia coli, Streptococcus faecalis, Proteus vulgaris and Staphylococcus aureus in urine] Breunung M, et al. Zentralbl Bakteriol [Orig] 216:239-54, 1971 (Ger)

[Criteria of germ number determination in urine. II. The growth of Escherichia coli and Staphylococcus aureus in urine, tested on the model of the child bladder] Breunung M, et al. Zentralbl Bakteriol [Orig] 217:63-73, May 71 (Ger)

[Egg yolk reaction of coagulase-positive staphylococci on different media at increased incubation temperature] Kusch D, et al. Zentralbl Bakteriol [Orig] 216:466-71, 1971 (Ger)

[Studies on carriers of Staphylococcus aureus. I. Antagonistic properties of bacterial flora of the anterior nasal cavity] Pryjma J, et al. Przegl Epidemiol 25:215-21, 1971 (Pol)

[Studies on carriers of Staphylococcus aureus. II. Ecologic equilibrium of Staphylococcus aureus and diphteroids in the anterior nasal cavity] Pryjma J, et al. Przegl Epidemiol 25:223-8, 1971 (Pol)

IMMUNOLOGY

Bacterial interference between strains of Staphylococcus aureus, 1960 to 1970. Shinefield HR, et al. Am J Dis Child 121:148-52, Feb 71

Serologic studies of staphylococcal and streptococcal L-forms. Dannis DC, et al. Ann NY Acad Sci 174:922-7, 30 Oct 70

Influence of human milk on the development of antistaphylococcal immunity. Sengers RC. Antonie van Leeuwenhoek 36:349-56, 1970

Occurrence of normal agglutinins for various serologic types of staphylococci. Galiński J, et al. Arch Immunol Ther Exp (Warsz) 18:507-10, 1970

Preparation of cytoplasmic membranes of Staphylococcus aureus FDA 209P through protoplasts made with the L-11 enzyme and a preliminary analysis of membrane antigens. Hirachi Y, et al. Biken J 14:11-28, Mar 71

Experimental marginal corneal infiltrates. Parunovic A. Br J Ophthalmol 55:481-3, Jul 71

Heterogenetic antigen of Staphylococci and of some aerobic bacilli. Jungerman D, et al. Bull Acad Pol Sci [Biol] 17:9-13, 1969

'False positive' precipitation reactions to extracts of organic dusts due to a teichoic acid from S. aureus. Techniques. Faux JA, et al. Clin Exp Immunol 7:897-902, Dec 70

Activation and inhibition of IgG mediated complement fixation by staphylococcal protein A. Kronvall G, et al. Clin Exp Immunol 7:211-20, Aug 70

Immunofluorescence examination of typical Staphylococcus aureus variants and L-forms for clumping factor. Elkins KL, et al. J Gen Microbiol 60:1-7, Jan 70

Immunochemical analysis of a galactosamine-rich teichoic acid of Staphylococcus aureus, phage type 187. Karakawa WW, et al. J Immunol 106:900-6, Apr 71

Study of the interaction of concanavalin A with staphylococcal teichoic acids. Reeder WJ, et al. J Immunol 106:334-40, Feb 71

Serological detection of enterotoxin from food-poisoning strains of Staphylococcus aureus. Simkovičová M, et al. J Med Microbiol 4:19-30, Feb 71

Delayed-type hypersensitivity to Staphylococcus aureus in human subjects. Mudd S, et al. J Reticuloendothel Soc 8:493-8, Nov 70

Some characters of Staphylococcus aureus 52-52A-80-81 complex. I. Serological properties. Galiński J, et al. Pathol Microbiol (Basel) 35:393-400, 1970

Gonadal hormones and the release of amino acids for staphylococcus aureus. Yotis WW, et al. Zentralbl Bakteriol [Orig] 216:290-8, 1971

[The practical importance of the antistaphylolysin titer determination in orthopedic diseases] Schwägerl W. Beitr Orthop Traumatol 17:86-8, Jan 70 (Ger)

[Antistreptolysin and antistaphylolysin reaction in chronic polyarthritis and spondylitis ankylopoetica] Schaefer J, et al. Med Klin 65:1923-8, 30 Oct 70 (Ger)

[Delayed hypersensitivity reaction in staphylococcal infections. 1. Delayed cutaneous reaction by staphylococcal cell wall material (mucopeptide)] Mizutani N. Acta Paediatr Jap 75:304-10, Apr 71 (Jap)

[Delayed hypersensitivity reaction in staphylococcal infections. 2. Passive transfer of delayed cutaneous hypersensitivity reaction by staphylococcal cell wall material (mucopeptide)] Mizutani N. Acta Paediatr Jap 75:311-7, Apr 71 (Jap)

[Cross reactions between antigens of Staphylococcus albus and Staphylococcus aureus in animals sensitized experimentally and in immunodiffusion] Rudzki E, et al. Przegl Dermatol 58:135-9, Mar-Apr 71 (Pol)

[Sensitizing properties of saprophytic staphylococci] Wyszomirska Z, et al. Przegl Dermatol 58:29-35, Jan-Feb 71 (Pol)

[Allergy to staphylococcus in burn patients] Kolker II, et al. Klin Med (Mosk) 49:87-92, Mar 71 (Rus)

[Reactive changes in leukocytes in bacterial allergy] Sakharov PP, et al. Klin Med (Mosk) 49:80-7, Mar 71 (Rus)

[Method of obtaining staphylococcus antigen for use in the immunosorption reaction] Moskvina EM, et al. Lab Delo 10:623-6, 1970 (Rus)

[Hemagglutinating ability of trichloracetic antigen from staphylococci] Zel'manovich BM, et al. Lab Delo 11:691-3, 1970 (Rus)

[Experience in the treatment of suppurative diseases of the skin and subcutaneous tissue with penicillin in combination with antiphagin] Shchekotov GM. Sov Med 32:137-41, Sep 69 (Rus)

[Lymphocyte transformation of sensitized animals subjected to staphylococcal antigens in vitro] Gorshevikova EV. Zh Mikrobiol Epidemiol Immunobiol 48:91-5, 1971 (Rus)

[Protective somatic antigen of staphylococci] Tolovskaia KR, et al. Zh Mikrobiol Epidemiol Immunobiol 47:62-5, Dec 70 (Rus)

[Skin reactions to individual chemical fractions of corpuscular staphylococcal antigen in ENT diseases of an infectious-allergic nature and in healthy persons] Tsmokaliuk II. Zh Ushn Nos Gorl Bolezn 30:65-70, May-Jun 70 (Rus)

ISOLATION & PURIFICATION

Bacterial flora of udder and the number of cellular elements in milk. Ryniewicz Z, et al. Acta Microbiol Pol [B] 3:117-20, 1971

Generalized Staph. aureus infection found at autopsy. Wallmark G, et al. Acta Pathol Microbiol Scand [B] 78:270-1, 1970

Polymyxin-coagulase-decxyribonuclease-agar: a selective isolation medium for Staphylococcus aureus. Orth DS, et al. Appl Microbiol 20:508-9, Sep 70

Bacteriology of acne comedones. Izumi AK, et al. Arch Dermatol 102:397-9, Oct 70

Nasal carriage of Staphylococcus aureus in a general surgical unit. Doig CM. Br J Surg 58:113-6, Feb 71

Coagulase-negative staphylococci from the blood of neonates. Clymo AB, et al. J Clin Pathol 24:477, Jul 71

The apparent transmission of staphylococci of human origin to laboratory animals. Blackmore DK, et al. J Comp Pathol 80:645-51, Oct 70

Selection of Staphylococcus aureus in cultures from air samples. Harding L, et al. J Hyg (Camb) 67:35-9, Mar 69

Staphylococcus surveillance in Czechoslovakia. Matějovská V. J Hyg Epidemiol Microbiol Immunol (Praha) 15:183-206, 1971

Staphylococcal persisters grown from empyema fluid on L-form medium. Newsom SW. J Med Microbiol 3:669-73, Nov 70

Biological and serological differences of coagulase-positive staphylococci derived from various animals. Yoshimura H. Jap J Vet Sci 32:263-74, Dec 70

Mixed infection with methicilin-resistant and methicillin-sensitive Staphylococcus aureus of phage type 88. Annear DI. Med J Aust 1:1167-8, 29 May 71

Sealing effectiveness of dental cements, silicates and resins as indicated by bacterial penetration. Amler MH. NY State Dent J 37:13-8, Jan 71

Leucocyte content of bovine milk, yielding staphylococci on four culture media. Munch-Petersen E, et al. Zentralbl Bakteriol [Naturwiss] 125:731-41, 1970

[Epidemiology of Staphylococcus aureus in the surgical clinic. II. A study of the dispersion of Staphylococcus aureus] Huysmans-Evers AG, et al. Ned Tijdschr Geneeskd 114:2036-40, 5 Dec 70 (Dut)

[A simple system for the registration of staphylococci in a hospital] Schönfeld JK. Ned Tijdschr Geneeskd 114:1859-62, 7 Nov 70 (Dut)

[Bacteriologic study of acute osteoarthritis and osteomyelitis in African children in Dakar] Castets M, et al. Bull Soc Med Afr Noire Lang Fr 15:589-93, 1970 (Fre)

[Scheme of identification of aerobic micrococcacae. Its value in urinary infections] Dauchy S, et al. Pathol Biol (Paris) 19:333-7, Mar 71 (Fre)

[Qualitative and quantitative studies of staphylococcus determination of a modifided K-bichromate plate compared with other selective media] Endmann P, et al. Arch Hyg Bakteriol 154:79-87, Jun 70 (Ger)

[Infection with anaerobic staphylococcus. A case of testicular abscess] Caselitz FH, et al. Z Med Mikrobiol Immunol 156:259-64, 1971 (Ger)

[Comparative investigations on the suitability of Kranep medium and Baird-Parker medium for selective isolation of coagulase-positive staphylococci] Kusch D, et al. Zentralbl Bakteriol [Orig] 217:23-34, May 71 (Ger)

[Selective culture media with egg yolk for the isolation of pathogenic staphylococci from foods] Sineli HJ, et al. Zentralbl Bakteriol [Orig] 204:248-64, 1967 (Ger)

[Occurrence of coagulase-positive staphylococci in ground meat. Lysis spectrum, biochemical characteristics and enterotoxin formation] Sineli HJ, et al. Zentralbl Veterinaermed [B] 17:429-35, Mar 70 (Ger)

[Bacterial flora of the small intestine. Bacteriologic findings in the enteric juice in normal subjects and in patients with chronic diarrhea] Ferri S, et al. Arch Ital Mal Appar Dig 35:533-46, Jun 69 (Ita)

[Staphylococcal hospital infections. Staphylococcus carriers in the hospital environment. Their sterilization with rifampicin] Angela GC, et al. G Batteriol Virol Immunol 63:485-96, Sep-Oct 70 (Ita)

[Phage typing of Staphylococcus aureus isolated from the lesion of chronic otitis media] Sugiyama M, et al. J Otolaryngol Jap 74:1-14, 20 Jan 71 (Jap)

[The whole body autobacteriographic studies on the distribution of Staphylococcus aureus in mice] Sakuma M, et al. J Pharm Soc Jap 90:1100-6, Sep 70 (Jap)

[Biological properties, drug sensitivity, phage type and pathogenicity in mice of staphylococci isolated from rats (Rattus norvegicus) living on an uninhabited island in the Tokyo Bay] Mori M. Jap J Bacteriol 25:390-7, Aug 70 (Jap)

[Staphylococcus epidermidis from clinical sources. 1. Biological properties and pathogenicity] Murakami M. Jap J Bacteriol 25:591-7, Nov 70 (Jap)

[Clinical bacteriology of Staphylococcus with special reference to typing] Zenyoji H. Naika 26:467-9, Sep 70 (Jap)

[Appearance of a new hospital type of Staphylococcus aureus resistant to methicillin] Samet A, et al. Pediatr Pol 45:1351-3, Nov 70 (Pol)

[Staphylococcus aureus in the air of a neonatal ward during an endemic occurrence of strains resistant to methicillin] Kryński S, et al. Przegl Epidemiol 25:105-9, 1971 (Pol)

[Comparison of suitability of Chapman, Carter, Baird-Parker and Giolitti-Cantoni media for the detection of pathogenic staphylococci in food products] Pliszka A, et al. Rocz Panstw Zakl Hig 21:533-42, 1970 (Pol)

[Concentration and separation of bacteria on Dowex anionite] Zviagintsev DG, et al. Mikrobiologiia 40:139-43, Jan-Feb 71 (Rus)

[Experience in a complex virological, bacteriological and serological study of the etiology of pneumonia in children] Tokar' RG. Pediatriia 49:7-10, Sep 70 (Rus)

[The properties of staphylococci in patients and carriers in an oral surgery hospital] Kuskova VF, et al. Stomatologiia (Mosk) 50:23-5, Jan-Feb 71 (Rus)

[Staphylococcal flora of the nose and sensitization of staphylococcal antigen in patients with rhinitis and sinusitis] Gorshevikova EV. Zh Ushn Nos Gorl Bolezn 30:59-62, Jul-Aug 70 (Rus)

[Comparison of methods of enrichment and direct culture for isolation of Staphylococcus aureus from foods] Pacheco MG, et al. Rev Invest Salud Publica 30:286-95, Oct-Dec 70 (Spa)

[Dissemination of pathogenic staphylococcus in a nursery] Diachenko IuV, et al. Pediatr Akush Ginekol 5:23-4, Sep-Oct 70 (Ukr)

METABOLISM

Influence of cultivation conditions on the production of extracellular proteins by Staphylococcus aureus. Arvidson S, et al. Acta Pathol Microbiol Scand [B] 79:399-405, 1971

Influence of pH on the formation of extracellular proteins by Staphylococcus aureus. Arvidson S, et al. Acta Pathol Microbiol Scand [B] 79:406-13, 1971

A continuous process for the production of extracellular proteins by Staphylococcus aureus. Holme T, et al. Acta Pathol Microbiol Scand [B] 79:414-20, 1971

Genetic aspects of methicillin resistance and toxin production in a strain of Staphylococcus aureus. Dornbusch K. Ann NY Acad Sci 182:91-7, 11 Jun 71

Epidemiological and clinical aspects of methicillin resistance and enterotoxin production in Staphylococcus aureus. Hallander HO, et al. Ann NY Acad Sci 182:98-105, 11 Jun 71

The effect of unbalanced cell wall synthesis on the protoplast formation in cells of Staphylococcus aureus "Oxford". Tynecka Z.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ann Univ Mariae Curie Sklodowska [Med] 24:13-20, 1969

Reagent strips and conventional tests for acid production from mannitol and coagulase activity of Staphylococcus: a comparative study. Anandam EJ. Appl Microbiol 21:95-7, Jan 71

Effect of toxin concentration on the heat inactivation of staphylococcal enterotoxin A in beef bouillon and in phosphate buffer. Denny CB, et al. Appl Microbiol 21:1064-6, Jun 71

Factors affecting the secretion of staphylococcal enterotoxin A. Markus ZH, et al. Appl Microbiol 20:492-6, Sep 70

Lactic acid utilization by the cutaneous Micrococcaceae. Smith RF. Appl Microbiol 21:777-9, Apr 71

Immunofluorescence detection of exterotoxin B produced under CO2 and N2 atmospheres. Stark RL, et al. Appl Microbiol 20:519-20, Sep 70

Effect of water activity on enterotoxin B production and growth of Staphylococcus aureus. Troller JA. Appl Microbiol 21:435-9, Mar 71

Effect of unsaturated fatty acids on aspartate transport in Staphylococcus aureus and on staphylococcal lipid monolayers. Gale EF, et al. Biochim Biophys Acta 233:237-42, 9 Mar 71

Analysis of the thermal transition curves of deoxyribonucleic acid from microorganisms. Krieg RE, et al. Can J Microbiol 16:989-95, Oct 70

Symposium on microbial changes in foods. Factors affecting the production of bacterial food poisoning toxins. Baird-Parker AC. J Appl Bacteriol 34:181-97, Mar 71

Genetic analysis of lysine auxotrophs of Staphylococcus aureus. Barnes IJ, et al. J Bacteriol 105:553-5, Feb 71

Protein A mutants of Staphylococcus aureus. Forsgren A, et al. J Bacteriol 107:245-50, Jul 71

Induction of mutants of Staphylococcus aureus 100 with increased ability to produce enterotoxin A. Friedman ME, et al. J Bacteriol 106:289-91, Apr 71

Characterization of a Staphylococcus aureus bacteriocin. Gagliano VJ, et al. J Bacteriol 104:117-25, Oct 70

Inhibition of carotenoid hydroxylation in Staphylococcus aureus by mixed-function oxidase inhibitors. Hammond RK, et al. J Bacteriol 103:607-10, Sep 70

Inhibition of vitamin K2 and carotenoid synthesis in Staphylococcus aureus by diphenylamine. Hammond RK, et al. J Bacteriol 103:611-5, Sep 70

Effect of benzo(a) pyrene and piperonyl butoxide on formation of respiratory system, phospholipids, and carotenoids of Staphylococcus aureus. Joyce GH, et al. J Bacteriol 106:403-11, May 71

Changes in membrane lipid composition in exponentially growing Staphylococcus aureus during the shift from 37 to 25 C. Joyce GH, et al. J Bacteriol 104:323-30, Oct 70

Induction of hemolysin synthesis by tranformation in Staphylococcus aureus. Nomura H, et al. J Bacteriol 105:673-5, Feb 71

Metabolism of the glycosyl diglycerides and phosphatidylglucose of Staphylococcus aureus. Short SA, et al. J Bacteriol 104:126-32, Oct 70

Biosynthesis of the peptidoglycan of bacterial cell walls. XXI. Isolation of free C55-isoprenoid alcohol and of lipid intermediates in peptidoglycan synthesis from Staphylococcus aureus. Higashi Y, et al. J Biol Chem 245:3697-702, 25 Jul 70

Ribitol teichoic acid synthesis in bacteriophage-resistant mutants of Staphylococcus aureus H. Shaw DR, et al. J Biol Chem 245:5101-6, 10 Oct 70

Decreased uptake of cadmium by a resistant strain of Staphylococcus aureus. Chopra I. J Gen Microbiol 63:265-7, Oct 70

Classification of vitamin K-deficient mutants of Staphylococcus aureus. Sâsârman A, et al. J Gen Microbiol 65:125-30, Feb 71

Hormonal intervention in the uptake of amino acids by staphylococci. Fitzgerald T, et al. J Med Microbiol 4:89-96, Feb 71

Interference with cellular incorporation of substrates into Staphylococcus aureus by hormones. Fitzgerald T, et al. J Med Microbiol 4:97-106, Feb 71

Outbreak of food-borne gastroenteritis due to a coagulase-negative enterotoxin-producing staphylococcus. Breckinridge JC, et al. N Engl J Med 284:541-3, 11 Mar 71

Shared lipid phosphate carrier in the biosynthesis of teichoic acid and peptidoglycan. Watkinson RJ, et al. Nature [New Biol] 229:57-9, 13 Jan 71

Metabolic and toxigenic activity of Staphylococcus aureus strains isolated from blood and from healthy carriers. A comparative study. Zak C, et al. Zentralbl Bakteriol [Orig] 204:203-11, 1967

[Hemolysin production and lysogenic conversion in Staphylococcus aureus] Dobardzic R, et al. Ann Inst Pasteur (Paris) 120:42-9, Jan 71 (Fre)

[Metabolism of phosphatidylglycerol and of cardiolipid in Staphylococcus aureus] Polonovski J, et al. Ann Inst Pasteur (Paris) 120:589-98, May 71 (Fre)

[Microbial antagonism between Sarcina lutea and certain strains of Staphylococcus aureus] Audurier A. C R Soc Biol (Paris) 164:384-6, 25 Sep 70 (Fre)

[Antibiotics producing a staphylococcic hemolysin] Lorian V. Presse Med 79:759, 3 Apr 71 (Fre)

[Decomposition of trehalose by the family Micrococcaceae] Ivanof A, et al. Zentralbl Bakteriol [Naturwiss] 124:427-33, 1970 (Ger)

[The effect of sodium azide on the production of some staphylococcal toxins] Binder N, et al. Zentralbl Bakteriol [Orig] 215:511-5, 1970 (Ger)

[Production of lysozyme and toxins of staphylococcal strains from animals] Hussels H, et al. Zentralbl Bakteriol [Orig] 214:203-6, 1970 (Ger)

[Occurrence of enterotoxin-producing staphylococci] Untermann F, et al. Zentralbl Bakteriol [Orig] 215:166-72, 1970 (Ger)

[Metabolical features of chloramphenicol-sensitive and resistant staphylococci] Kędzia B. Med Dosw Mikrobiol 23:103-16, 1971 (Pol)

[Studies on the transamination reaction in Staphylococcus aureus. I. Transamination range] Mikucki J. Med Dosw Mikrobiol 23:1-9, 1971 (Pol)

[Studies on transamination reaction in Staphylococcus aureus. II. Transamination in the donor-alpha-ketoglutarate system] Mikucki J. Med Dosw Mikrobiol 23:91-101, 1971 (Pol)

[Types of enterotoxin produced by staphylococci from various sources] Burbianka M. Przegl Epidemiol 25:257-62, 1971 (Pol)

[Study of some regularities of the inactivation of ampicillin by clinical strains of Proteus, Escherichia coli and Staphylococcus] Braginskaia PS, et al. Antibiotiki 14:244-9, 1969 (Rus)

[Mechanism of action of sibiromycin] Gauze GF, et al. Antibiotiki 15:867-71, Oct 70 (Rus)

[Simplified methods for the study of the ability of micro-organisms to inactivate antibiotics and toxic substances] Lisin VV. Antibiotiki 14:243-4, 1969 (Rus)

[Nature of penicillin receptor sites and some aspects of metabolism of penicillin resistant forms of bacteria] Torbochkina LI, et al. Antibiotiki 15:872-6, Oct 70 (Rus)

[Effect of antibiotics on the incorporation of labelled amino acids into proteins of tissue culture cells infected by Staphylococcus aureus] Zak AF, et al. Antibiotiki 14:200-5, 1969 (Rus)

[Effect of salicyl anilide and its halogen derivatives on the respiratory activity of microorganisms] Rotmistrov MN, et al. Mikrobiologiia 38:624-8, Jul-Aug 69 (Rus)

[Formation and secretion of alpha-toxin by pathogenic staphylococci] Ratgauz GL. Zh Mikrobiol Epidemiol Immunobiol 47:37-41, Oct 70 (Rus)

[Endogenous reserve of Staphylococci] Vaamonde-Fernández R, et al. Rev Esp Fisiol 27:103-10, Jun 71 (Spa)

[The effect of bacteriophage on pigment formation by Staphylococcus albus] Kalinchuk AM. Mikrobiol Zh 32:332-5, May-Jun 70 (Ukr)

[Enterotoxic properties of pathogenic staphylococci] Paster EU, et al. Mikrobiol Zh 32:328-32, May-Jun 70 (Ukr)

PATHOGENICITY

Cell wall deficient bacterial variants from man in experimental cardiopathy. Merline JR, et al. Am J Clin Pathol 55:212-20, Feb 71

Coagulase-negative staphylococcus. Andriole VT, et al. Ann NY Acad Sci 174:533-44, 30 Oct 70

Enterotoxigenicity of Staphylococcus aureus cultures isolated from acute cases of bovine mastitis. Olson JC Jr, et al. Appl Microbiol 20:605-7, Oct 70

Distribution of intravenously inoculated staphylococci in heart valves and viscera. A study in dogs with and without aortic insufficiency. Hamburger M, et al. Arch Intern Med 127:496-503, Mar 71

The relationship between the pathogenicity of Staphylococcus aureus for the mouse and its pathogenicity for man and the guinea pig. Foster WD. Br J Exp Pathol 52:307-14, Jun 71

Virulence of Staphylococcus aureus tested by intracerebral inoculation into mice. Torres Pereira A, et al. J Med Microbiol 3:547-50, Aug 70

Observations on mouse mastitis produced by inoculation of different strains of staphylococcus. Anderson JC. Res Vet Sci 12:186-8, Mar 71

[Bacteriological diagnosis and antibiotic therapy of staphylococcal infections. 1,055 strains of pathogenic staphylococci isolated from 1962 to 1969, their sensitivity to antibiotics, their lysotypic characteristics, their pathogenic activity in men] Viallier J. J Med Lyon 51:477-99, 5 Feb 70 (Fre)

[Importance of the bacterial surface of pathogenic staphylococcus] Morin G. Union Med Can 98:1482-7, Sep 69 (Fre)

[Germ colonization of the skin and pyoderma under climatic influences] Proppe A. Cosmetologica 19:345-52, 20 Oct 70 (Ger)

[Staphylogenic etiology of Impetigo contagiosa] Holzegel K. Dtsch Gesundheitsw 25:1752-4, 10 Sep 70 (Ger)

[Experimental studies on the etiology of oozing eczema of swine] Bollwahn W, et al. Dtsch Tieraerztl Wochenschr 77:601-3, 1 Dec 70 (Ger)

[A simple method for virulence determination of inflammation-inducing bacteria] Rotter M, et al. Zentralbl Bakteriol [Orig] 216:517-28, 1971 (Ger)

[Mechanism of staphylococcal infection by means of various mutants originating from Staphylococcus aureus No. 248. II. Comparison of the virulence of 248 alpha-H and 248 beta-H in intraperitoneal infection of mice] Kimura K. Jap J Bacteriol 26:1-8, Jan 71 (Jap)

[Virulence of rifampicin-resistant mutants of bacteria] Watanabe T, et al. Jap J Bacteriol 26:192-9, Jun 71 (Jap)

[Lysozyme as a possible indicator of staphylococcal pathogenicity] Afanas'eva TI, et al. Antibiotiki 15:1036-8, Nov 70 (Rus)

[Pathogenic staphylococcus carrier state] Rusanova NN. Vopr Okhr Materin Det 15:93, Aug 70 (Rus)

[The dynamics of changes in the toxigenic and enzyme properties of pathogenic staphylococci in tissue cultures] Smol'skaia TT, et al. Zh Mikrobiol Epidemiol Immunobiol 47:91-5, Aug 70 (Rus)

[Role of biological properties of staphylococci in development of experimental aerogenic infection] Sinel'nikova OP. Mikrobiol Zh 32:569-73, Sep-Oct 70 (Ukr)

RADIATION EFFECTS

Mutants of Staphylococcus aureus with increased sensitivity to ultraviolet radiation. Goering RV, et al. J Bacteriol 106:157-61, Apr 71

[Coagulase production by irradiated Staphylococcus aureus] Kiortsis M. Ann Inst Pasteur (Paris) 119:312-9, Sep 70 (Fre)

[Effect of temperature on the radiosensitivity of Staph. aureus] Samoilenko II, et al. Biull Eksp Biol Med 70:57-9, Dec 70 (Rus)

STARCH (D11)

Identification of a pea component stimulatory for heat-stressed putrefactive anaerobe 59-123 spores. Ashton DH. Appl Microbiol 21:38-40, Jan 71

Granulomas and peritonitis due to starch glove powder. Sobel HJ, et al. Arch Pathol 91:559-68, Jun 71

Continuous conversion of starch to glucose with immobilized glucoamylase. Smiley KL. Biotechnol Bioeng 13:309-17, Mar 71

Studies on hydroxyethyl starch as a plasma expander. II. Influences of molecular weight of hydroxyethyl starch on its physicochemical and biological properties. Tamada T, et al. Chem Pharm Bull (Tokyo) 19:286-91, Feb 71

Iodine binding capacity of wheat starches & characteristics of wheat (Triticum aestivum). Sandhu SS, et al. Indian J Biochem 7:139, Jun 70

Anisotropic light scattering by asymmetric starch granules. Mencik Z, et al. J Mol Biol 55:193-207, 28 Jan 71

Influence of grain processing on in vitro enzymatic starch digestion of barley and sorghum grain. Osman HF, et al. J Nutr 100:1133-9, Oct 70

Mechanism of action of starch as a tablet disintegrant IV: effect of medicaments and disintegrants on mean pore diameter and porosity. Lowenthal W, et al. J Pharm Sci 60:1325-32, Sep 71

Adsorption of methylene blue by potato starch. Effect of methanol, dioxane, sucrose, and urea in aqueous systems. Thakkar AL, et al. J Pharm Sci 59:1466-70, Oct 70

Plasma-volume replacement with hydroxyethyl starch. Lancet 2:147, 17 Jul 71

Modified food starches for use in infant foods. Nutr Rev 29:55-9, Mar 71

[Formation of cyclodextrins during cryolysis of starch solutions and possible mechanism of cryolytic processes] Berlin AA, et al. Biofizika 14:407-13, May-Jun 69 (Rus)

[The mechanism of the effect of D2-O on the viscosity of starch solutions] Kretovich VL, et al. Dokl Akad Nauk SSSR 190:1480-2, Feb 70 (Rus)

[Hydrolysis of starch for determining haptoglobin type] Nikolenko OV. Sud Med Ekspert 14:34-5, Jan-Mar 71 (Rus)

[Experience with use of starch in a suspension medium for production of dry colibacterin] Kozyreva MI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:129-31, Feb 70 (Rus)

[Technology of the preparation of tablets] Shumakov IuS. Farm Zh 25:51-7, 1970 (Ukr)

ADVERSE EFFECTS

Starch granuloma (pseudo-malignant seedlings). Cox KR. Br J Surg 57:650-3, Sep 70

Glove powder. Michaels L. Br Med J 3:369, 7 Aug 71

Starch granulomatosis of the peritoneum. Neely J, et al. Br Med J 3:625-9, 11 Sep 71

[Granulomatous peritonitis due to glove powder] Bastien E, et al. Union Med Can 98:1307-13, Aug 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

A study of sieve element starch using sequential enzymatic digestion and electron microscopy. Palevitz BA, et al. J Cell Biol 45:383-98, May 70
Crystals in renal tissues. Schreiber G. N Engl J Med 284:1382, 17 Jun 71
[Evaluation of amylum solubile as main carbon source by dermatophytes and penicillium. 3. Metabolism of species, Microsporum Gruby] Ziegler H, et al. Dermatol Monatsschr 156:52-66, 1970 (Ger)
[Icelandic moss as a drug] Mommsen H. Z Allgemeinmed 46:1566-7, 10 Nov 70 (Ger)
[Demonstration of the aspired amylum and cellulose by the modified Stein-reaction] Jobba G. Z Rechtsmed 68:204-6, 1971 (Ger)
[Human salivary dextrin-4-glycosyltransferase] Petrova AN, et al. Dokl Akad Nauk SSSR 191:708-10, 1970 (Rus)

BIOSYNTHESIS

Starch synthesis by Cryptococcus laurentii. Foda MS, et al. Antonie van Leeuwenhoek 35:Suppl:H9-10, Jun 69
Identification of maize seedling mutants lacking starch accumulation capacity. Cox EL, et al. Biochem Genet 5:15-25, Feb 71
Effect of an inhibitor isolated from onion (Allium cepa Linn.) bulbs on the activity of some of the enzymes involved in starch biosynthesis. Bhatia IS, et al. Experientia 26:1078-9, 15 Oct 70

BLOOD

[Loss of structure in leukocytes following phagocytosis of starch in the blood circulation] Brilla G, et al. Naturwissenschaften 58:62, Jan 71 (Ger)

DIAGNOSTIC USE

[Starch tolerance test in the functional evaluation of chronic pancreatic diseases] Bosello O, et al. Policlinico [Prat] 76:505-13, 21 Apr 69 (Ita)

METABOLISM

Studies on intestinal digestion of starch in children with congenital deficiency of sucrase and isomaltase activity. Auricchio S, et al. Acta Paediatr Scand 60:364, May 71
Influence of starch digestion in the large intestine of sheep on caecal fermentation, caecal microflora and faecal nitrogen excretion. Orskov ER, et al. Br J Nutr 24:671-82, Sep 70
A comparative study of starch hydrolysis by fecal streptococci employing plate and tube techniques. Pavlova MT, et al. Health Lab Sci 8:67-74, Apr 71
Influence of sulfur on in vitro starch digestion by rumen microorganisms. Kennedy LG, et al. J Anim Sci 32:359-63, Feb 71
Rumen development in lambs. I. Microbial digestion of starch and cellulose. Poe SE, et al. J Anim Sci 32:740-3, Apr 71
Lipoprotein lipase activity in the adipose tissue of rats fed sucrose or starch. Naismith DJ, et al. Proc Nutr Soc 30:12A, May 71
Intravascular persistence, tissue storage, and excretion of hydroxyethyl starch. Thompson WL, et al. Surg Gynecol Obstet 131:965-72, Nov 70
[Influence of dietary regimen upon the catalytic properties of pancreatic amylase] Firquet MP, et al. Arch Int Physiol Biochim 78:347-55, Apr 70 (Fre)
[Degradation of carbohydrates in the crop of the cock: role of microbial flora] Ivorec Szylit O. C R Acad Sci [D] (Paris) 272:2225-8, 26 Apr 71 (Fre)
[The cultivation of single strains of infusoria occurring in the rumen with studies of the end products of their carbohydrate metabolism] Nestorov NS, et al. Monatsh Vet Med 24:29-32, 1 Jan 69 (Ger)
[Starch malabsorption in pancreatic cystic fibrosis] Ciccimarra F, et al. Fracastoro 63:399-403, May-Aug 70 (Ita)

PHARMACODYNAMICS

A method for evaluation of acid potentialities of foods. Frostell G. Acta Odontol Scand 28:599-622, Nov 70
Role of sodium carboxymethyl cellulose and hydroxyethyl starch in hematopoietic cell line cultures. Mixrahi A, et al. Appl Microbiol 21:754-7, Apr 71
Long-term effects of dietary sucrose and starch on serum lipids and atherosclerosis in miniature swine. St. Clair RW, et al. Exp Mol Pathol 15:21-33, Aug 71
Effect of dietary carbohydrate source in controlling voluntary physical activity in rats. Ahrens RA, et al. J Nutr 101:889-93, Jul 71
Influence of urea, biuret and starch on amino acid patterns in ruminal bacteria and blood plasma and on nitrogen balance of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:839-46, Jul 71
Influence of starch and nitrogen sources on ruminal microorganisms of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:847-53, Jul 71
The effect of an 'atherogenic' diet containing starch or sucrose upon carcass composition and plasma lipids in the rat. Quereshi RU, et al. Nutr Metab 12:347-57, 1970
Herpesvirus saimiri. 3. Plaque formation under multi agar, methyl cellulose and starch overlays. Daniel MD, et al. Proc Soc Exp Biol Med 136:1192-6, Apr 71
[Blood glucose and serum insulin after oral loading with glucose and starch syrup in varying doses] Förster H, et al. Diabetologia 6:483-7, Oct 70 (Ger)
[Effect of hydroxyethyl starch on blood volume and extracellular fluid volume during hemorrhage--comparison with the effect of clinical dextran and re-infusion of autologous blood] Ikeda K, et al. Jap J Anesthesiol 20:639-47, Jul 71 (Jap)
[Effects of a new plasma expander, hydroxyethyl starch (HES) on circulatory dynamics, blood coagulation and erythrocyte aggregation. 1. Studies on volunteers] Takeyoshi S, et al. Jap J Anesthesiol 20:648-54, Jul 71 (Jap)

RADIATION EFFECTS

[Formation of hydrogen peroxide during gamma irradiation of corn starch] Berger G, et al. C R Acad Sci [D] (Paris) 272:1455-8, 8 Mar 71 (Fre)

STANDARDS

[The microbiological purity of starch] Gerritsen GA, et al. Pharm Weekbl 105:1069-71, 18 Sep 70 (Dut)

STARTLE REACTION (E1, F1, G1)

Effects of interstimulus interval length and variability on startle-response habituation in the rat. Davis M. J Comp Physiol Psychol 72:177-92, Aug 70
Modification of the startle reflex in the rat by changes in the auditory and visual environments. Ison JR, et al. J Comp Physiol Psychol 75:435-52, Jun 71
Effects of intensity and the signal value of stimuli on the orienting and defensive responses. Cohen MJ, et al. J Exp Psychol 88:286-8, May 71
Tachycardia and bradycardia associated with particular forms of stimuli. Hunt TJ. J Physiol (Lond) 210:64P, Sep 70
Recovery of motor performance following startle. Thackray RI, et al. Percept Mot Skills 30:279-92, Feb 70
Effect of avoidance-avoidance conflict on startle magnitude. Bachmann RF, et al. Psychol Rep 26:363-7, Apr 70
[Changes in the amplitude of the startle reflex following lesions of substantia nigra] Cebulla M, et al. Acta Biol Med Ger 26:209-11, 1971 (Ger)
[Influence of lesions in globus pallidus of the rat on the startle reflex] Cebulla M, et al. Acta Biol Med Ger 26:205-7, 1971 (Ger)
[Startle reaction, fear of being dropped, and pre-object reaction] Bittner G. Psyche (Stuttg) 25:192-205, Mar 71 (Ger)
[Clinically typical audiogenic epileptic involuntary start, correlated with unusual, multiple electroencephalographic manifestations] Di Perri R, et al. Acta Neurol (Napoli) 24:421-44, May-Jun 69 (Ita)

DRUG EFFECTS

The effects of chronic administration of ethanol on startle thresholds in rats. Gibbins RJ, et al. Psychopharmacologia 19:95-104, 1971

STARVATION (C13)

see also related
FASTING (E2)
FOOD DEPRIVATION (F1)
HUNGER (F1)

Effects of starvation on levels of corticotrophin releasing factor, corticotrophin and plasma corticosterone in rats. Chowers I, et al. Acta Endocrinol (Kbh) 61:687-94, Aug 69
Degeneration of HeLa-cells induced by the cytotoxic effect of isothiocyanates or by the starvation of cells. Horáková K, et al. Acta Morphol Acad Sci Hung 18:193-202, 1970
Epidemiology of famine in the Nigerian crisis: rapid evaluation of malnutrition by height and arm circumference in large populations. Davis LE. Am J Clin Nutr 24:358-64, Mar 71
Glucose availability and isolated heart function in starved and acclimated mice. Eller RR. Am J Physiol 220:1168-71, May 71
Histochemical and ultrastructural changes in rat muscle. Occurrence following adrenal corticotrophic hormone, glucocorticoids, and starvation. Walsh G, et al. Arch Neurol 24:83-93, Jan 71
Synthesis of liver glycogen in starved alloxan diabetic rats. Hornbrook KR. Diabetes 19:916-23, Dec 70
The effect of maternal liver injury and dietary reduction of foetal growth in the rat. Butler WH. Food Cosmet Toxicol 9:57-63, Feb 71
Psychological observations of obese adolescens during starvation treatment. Athan S, et al. J Am Acad Child Psychiatry 9:722-40, Oct 70
Cytological changes in the fat body of Rhodnius during starvation, feeding and oxygen want. Wigglesworth VB. J Cell Sci 2:243-58, Jun 67
Ontogeny of starvation-induced behavioral arousal in the rat. Moorcroft WH, et al. J Comp Physiol Psychol 75:59-67, Apr 71
"Self-starvation" in activity wheels: developmental and chlorpromazine interactions. Woods DJ, et al. J Comp Physiol Psychol 76:84-93, Jul 71
The effect of starvation on the kinetics of drug oxidation by hepatic microsomal enzymes from male and female rats. Gram TE, et al. J Pharmacol Exp Ther 175:12-21, Oct 70
Interactions of the pineal gland, blinding, and underfeeding on reproductive organ size and radioimmunoassayable growth hormone. Sorrentino S Jr, et al. Neuroendocrinology 7:105-15, 1971
Effect of starvation on the esterification of palmitic acid in the rat liver in vivo. Poledne R, et al. Physiol Bohemoslov 19:529-30, 1970
The effect of starvation on changes in lipid content and DNA synthesis in the liver of rats after partial hepatectomy. Simek J, et al. Physiol Bohemoslov 19:101-6, 1970
The influence of starvation upon hepatic drug metabolism in rats, mice, and guinea pigs. Furner RL, et al. Proc Soc Exp Biol Med 137:816-9, Jul 71
Effect of starvation on contractile response of isolated rat atria to citrate and bicarbonate-free medium. Ko KC, et al. Proc Soc Exp Biol Med 137:1115-9, Jul 71
Effect of administering 8-azaguanine at various times on liver enzyme activities of starved-refed rats. Szepesi B, et al. Proc Soc Exp Biol Med 135:709-12, Dec 70
Starvation of compliance and surfactant of the rat lung. Weiss HS, et al. Resp Physiol 12:123-9, Apr 71
The effect of environmental and dietary stress on the concentration of 1,1-Bis (4-chlorophenyl)-2,2,2-trichloroethane in rats. Brown JR. Toxicol Appl Pharmacol 17:504-10, Sep 70
[Ribonucleic acid content of the rat brain. Relation to the postnatal development and starvation] Mourek J, et al. Sb Lek 72:269-75, Oct 70 (Cze)
[Food preferences in malnourished rats] Berger P. J Physiol (Paris) 62:Suppl 2:246, 1970 (Fre)
[Work of the Soviet public health service in the famine of 1921-1922] Egorysheva IV. Sov Zdravookhr 29:53-9, 1970 (Rus)
[Views of physician-revolutionaries on the 1892 famine and cholera in Kazakhstan] Galiev VZ. Sov Zdravookhr 29:74-8, 1970 (Rus)

BLOOD

Serum lipids in newborn rabbits with reference to starvation and injury. Elphick MC. Biol Neonate 17:410-9, 1971
Plasma chorionic somatomammotropin levels during starvation in midpregnancy. Kim YJ, et al. J Clin Endocrinol Metab 32:864-7, Jun 71

COMPLICATIONS

Vagabond's diabetes. Miller R. JAMA 216:1039, 10 May 71
[Starvation in human pregnancy: hypoglycemia, hypoinsulinemia, and hyperketonemia. Felig P, et al. Science 170:990-2, 27 Nov 70

ENZYMOLOGY

A comparison of the effects of diabetes induced with either alloxan or streptozotocin and of starvation on the activities in rat liver of the key enzymes of gluconeogenesis. Wimhurst JM, et al. Biochem J 120:95-103, Nov 70
Studies on the mechanism of decrease in the RNA content in liver cells of fasted rats. II. The mechanism of starvation-induced decrease in RNA polymerase activity in liver. Onishi T. Biochim Biophys Acta 217:384-93, 15 Oct 70
Adaptive changes of glycerol 3-phosphate dehydrogenase level in rat skin: effects of starvation, alloxan diabetes and insulin. Ziboh VA, et al. Endocrinology 89:240-5, Jul 71
Evidence for increased constitutiveness of NADP-linked dehydrogenases in the starved-refed rat. Szepesi B, et al. J Nutr 101:863-7, Jul 71
Neonatal rise of rat liver tyrosine aminotransferase and serine dehydratase activity associated with lack of food. Reynolds RD, et al. Life Sci [II] 10:5-10, 8 Jan 71
[Isoenzymes in starvation] Pokrovskij AA, et al. Cas Lek Cesk 110:153-6, Feb 71 (Cze)
[Changes in the organ isoenzyme spectra in starvation] Pokrovskiĭ AA, et al. Biokhimiia 35:159-66, 1970 (Rus)
[Changes in the primary structure of proteins synthesized during different physiological states] Gulyĭ MF, et al. Dokl Akad Nauk SSSR 193:1411-4, 1970 (Rus)

HISTORY

[Remarks on emaciation due to starvation in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

concentration camps] Sterkowicz S.
Przegl Lek 27:17-22, 1971 (Pol)

METABOLISM

The influence of HGH administration on the metabolism of fasting obese patients. Schwarz F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:200, 1971
Prolonged nutritional deprivation in pregnancy: changes in human chorionic somatomammotropin and growth hormone secretion. Tyson JE, et al.
Am J Obstet Gynecol 109:1080-2, 1 Apr 71
Interrelationships between level of amino acids in plasma and tissues during starvation. Adibi SA.
Am J Physiol 221:829-38, Sep 71
Uric acid metabolism in starvation. Lloyd-Mostyn RH, et al. Ann Rheum Dis 29:553-5, Sep 70
Effects of neonatal malnutrition on developing cerebrum. I. Microchemical and histologic study of cellular differentiation in the rat. Bass NH, et al.
Arch Neurol 23:289-302, Oct 70
Effect of food consistency and starvation on the diurnal cycle of the rat parotid gland. Johnson DA, et al.
Arch Oral Biol 16:177-85, Feb 71
Turnover of mammalian phospholipids. Rates of turnover and metabolic heterogeneity in cultured human lymphocytes and in tissues of healthy, starved and vitamin A-deficient rats. Pasternak CA, et al.
Biochem J 119:481-8, Sep 70
Decreased ribonucleic acid synthesis in isolated rat liver nuclei during starvation. Rickwood D, et al.
Biochem J 120:381-4, Nov 70
The catabolic action of glucagon in rat liver. The influence of age, nutritional state and adrenal function on the effect of glucagon on lysosomal N-acetyl-beta, D-glucosaminidase. Guder W, et al.
Biochim Biophys Acta 222:593-605, 29 Dec 70
The effect of starvation and injury on the utilization of glucose in newborn rabbits. Elphick MC.
Biol Neonate 17:399-409, 1971
Protein turnover in skeletal muscle. II. The effect of starvation and a protein-free diet on the synthesis and catabolism of skeletal muscle proteins in comparison to liver. Millward DJ. Clin Sci 39:591-603, Nov 70
The utilization of reserves during starvation of larvae of the migratory locust. Hill L, et al.
Comp Biochem Physiol 36:61-70, 1 Sep 70
Comparative studies on liver and kidney xanthine dehydrogenase in two breeds of domestic chicks (Gallus domesticus) during prolonged starvation. Scholz RW. Comp Biochem Physiol 36:503-12, 1 Oct 70
Differences between metabolic responses to fasting in obese diabetic and obese nondiabetic subjects. Jackson RA, et al. Diabetes 20:214-27, Apr 71
Rats enriched with odd-carbon fatty acids. Effect of prolonged starvation on liver glycogen and serum lipids, glucose and insulin. Pi-Sunyer FX.
Diabetes 20:200-5, Apr 71
Decreased response to insulin in adipose tissue during starvation. Effect of hypophysectomy and growth hormone administration. Trueheart PA, et al.
Diabetes 20:46-50, Jan 71
Effects of starvation on hypothalamic FSH-RF and pituitary FSH in male rats. Negro-Vilar A, et al.
Endocrinology 88:1246-9, May 71
A simple method for measuring protein turnover in the liver: the effects of starvation and low protein feeding on liver protein metabolism in the rat. Millward DJ.
Gut 12:495, Jun 71
The clinical course of survival in the Arctic. Rogers TA.
Hawaii Med J 30:31-4, Jan-Feb 71
Ketone body metabolism in the ketosis of starvation and alloxan diabetes. McGarry JD, et al.
J Biol Chem 245:4382-90, 10 Sep 70
Metabolic response to human growth hormone during prolonged starvation. Felig P, et al.
J Clin Invest 50:411-21, Feb 71
Muscle and splanchnic glutmine and glutamate metabolism in postabsorptive andstarved man. Marliss EB, et al. J Clin Invest 50:814-7, Apr 71
Human forearm metabolism during progressive starvation. Owen OE, et al.
J Clin Invest 50:1536-45, Jul 71
Effect of semi-starvation on intestinal absorption of L-methionine and the dipeptide L-methionyl-L-methionine in the rat. Crampton RF, et al. J Physiol (Lond) 207:66P-67P, Apr 70
The effect of diet and acute starvation on the deiodination of thyroxine and triiodothyronine in the thyroidectomized rat. Nathanielsz PW.
J Physiol (Lond) 206:701-10, Mar 70
Species difference in drug metabolism by liver microsomes in alloxan diabetic or fasted animals. II. The substrate interaction with cytochrome P-450 in drug oxidation. Kato R, et al.
Jap J Pharmacol 20:554-61, Dec 70
Translation form of depot fat in starvation. Majima Y.
Keio J Med 19:157-61, Sep 70
Drug metabolism by hepatic microsomes from phenobarbital-treated or starved male and female rats in the presence of inhibitors. Gigon PL, et al.
Life Sci [II] 10:163-73, 8 Feb 71
Surgical nutrition. Morgan A, et al.
Med Clin North Am 54:1367-81, Nov 70
Influence of adrenergic receptor stimulation on glucose metabolism during starvation in man: effects on circulating levels of insulin growth hormone and free fatty acids. Misbin RI, et al.
Metabolism 20:544-54, Jun 71
DDT movement from adipocyte to muscle cell during lipid utilization. Findlay GM, et al.
Nature (Lond) 229:63-5, 1 Jan 71
Factors controlling the flux of glucose through the pentose phosphate pathway. Gumaa KA, et al.
Postgrad Med J 47:Suppl:403-6, Jun 71
Effect of starvation upon hepatic insulin metabolism in the rabbit. López-Quijada C, et al.
Rev Esp Fisiol 27:139-42, Jun 71
Fatty acid patterns determined simultaneously in human adipose tissue, liver, and plasma during starvation. Laurell S, et al.
Scand J Clin Lab Invest 27:29-32, Feb 71
Starvation and body nitrogen. Cahill GF Jr, et al.
Trans Am Clin Climatol Assoc 82:43-51, 26 Oct 70 (6 ref.)
[Influence of thermo-climatic conditions on the metabolic evaluation in partial starvation of short duration] Ducros H.
Presse Therm Climat 107:185-90, 1970 (Fre)
[Comparative morphological and chemical studies on the white and brown fatty tissues of the mouse after chronic hunger and refeeding] Rakow L, et al.
Beitr Pathol 141:349-73, 1970 (Ger)
[Dynamics of ketone body metabolism in healthy rats] Bässler KH, et al.
Z Gesamte Exp Med 153:131-5, 1970 (Ger)
[Determination of citrate in rats during starvation] Shol'ts KF, et al.
Biokhimiia 36:249-52, Mar-Apr 71 (Rus)
[Effect of pangamic acid (vitamin B15) during starvation] Khomulo PS, et al.
Biull Eksp Biol Med 70:61-2, Nov 70 (Rus)
[Pancreas enzyme activity of the ground squirrel (Citellus erythrogenys Br.) during experimental starvation] Klimova VP.
Fiziol Zh SSSR 57:627-30, Apr 71 (Rus)
[Effect of methylthiouracil on the content of cholesterol, its esters, and lipid phosphorus in blood plasma and liver of rabbits during starvation] Mikhaĭlova TA.
Vopr Med Khim 17:18-9, Jan-Feb 71 (Rus)
[Influence of starvation on pancreatic acinar and ductular secretion in volunteers] Bučko A, et al.
Bratisl Lek Listy 55:173-80, 1971 (Slo)

MORTALITY

The influence of propyl gallate and alpha-tocopherol on the survival time of rats during fasting. Tonkelaar EM den, et al. Food Cosmet Toxicol 6:25-31, Jun 68

PATHOLOGY

Experimental observations in peripheral nerves in undernourished rats. Sima A, et al.
Acta Pathol Microbiol Scand [A] 79:310, 1971
Hypertrophy of human subventricular hypothalamic nucleus in starvation. Hart MN.
Arch Pathol 91:493-6, Jun 71
[Changes in number of fat cells and cells of connective tissue in white adipose tissue of the mouse with chronic starvation and refeeding] Rakow L, et al.
Beitr Pathol 142:38-54, 1970 (Ger)
[Experimental investigations on peripheral nerves in undernutrition] Sima A, et al.
Nord Med 85:480-1, 15 Apr 71 (Swe)
[Ultrastructure of acinar cell of rat pancreas during starvation] Kapeller K, et al.
Bratisl Lek Listy 55:70-9, 1971 (Slo)

PHYSIOPATHOLOGY

Effect of neonatal malnutrition on developing cerebrum. II. Microchemical and histologic study of myelin formation in the rat. Bass NH, et al.
Arch Neurol 23:303-13, Oct 70
Effects of starvation on adrenal cortical function in the rabbit. Bouillé C, et al.
Endocrinology 87:1390-4, Dec 70
The effect of undernutrition on myelination of rat sciatic nerve. Hedley-Whyte ET, et al.
J Neuropathol Exp Neurol 30:130-1, Jan 71
The effects of luminal nutrition on the transintestinal potentials and short-circuit currents associated with active hexose transfer across the small intestine. Debnam ES, et al.
J Physiol (Lond) 209:Suppl:29P+, Jul 70
A comparison of the effects of single and fractionated irradiation on the phagocytic function of the RES in normal and starved rats. Antonijevic M.
Strahlentherapie 139:228-35, Feb 70
[Effect of starvation upon insulin secretion in the rabbit] Lopez-Quijada C, et al.
Acta Diabetol Lat 6:820-35, Oct-Dec 69 (Mul)

PREVENTION & CONTROL

[Protein supplements and vegetable proteins] Cardoso HT. Rev Bras Med 27:348-56, Jul 70 (Por)

URINE

Alteration in the urinary excretion rate of amino acids and nitrogen by dietary means in obese and normal human subjects. Adibi SA.
J Lab Clin Med 77:278-89, Feb 71

VETERINARY

[Effect of hunger on the serum bilirubin content of chicks] Sova Z, et al.
Dtsch Tieraerztl Wochenschr 77:234-6, 15 May 70 (Ger)

STATE DENTISTRY (N3)

Organisation in the school dental service. 2. Local government. Turner G. Br Dent J 131:75-8, 20 Jul 71
Organisation in the School Dental Service. 3. The administration of the Dental Service. Turner G.
Br Dent J 131:127-9, 3 Aug 71
Periodontology in the national health service in Scotland. Trainer JL.
Dent Pract Dent Rec 21:233-7, Mar 71
Editorial. Dentistry, public and private.
Dent Pract Dent Rec 21:149, Jan 71
The consultative document. Anderson JA.
Lancet 2:538-9, 4 Sep 71
[Social dentistry, scope of the field] Crielaers PJ.
Ned Tijdschr Tandheelkd 78:248-52, Jun 71 (Dut)
[Status and prospects of fluoridation of drinking water in the socialistic countries of Europe] Künzel W.
Ned Tijdschr Tandheelkd 77:407-10, Nov 70 (Dut)
[Implantation possibilities in state dentistry] Komári J.
Fogorv Sz 64:237-41, Jul 71 (Hun)
[Indications for the preservation of the vitality of the dental pulp in state dentistry] Lőrinczy E.
Fogorv Sz 64:213-6, Jul 71 (Hun)
[Preventive dentistry] Szabó H.
Fogorv Sz 64:221-3, Jul 71 (Hun)
[Government policy on malocclusion: suggestion for the Ministries of Welfare and Education and the Japan Dental association] Yokota S.
J Jap Dent Assoc 23:991-1000, Jan 71 (Jap)
[Reaffirmation and the new start in the practice of dental care in the system of the national health system] J Jap Dent Assoc 24:457, Aug 71 (Jap)
[The organization of a department for complex ambulatory dental care] Gall II.
Stomatologia (Bucur) 17:393-403, Sep-Oct 70 (Rum)
[Outpatient care in dentistry] Arshanskiĭ NIa, et al.
Biull Eksp Biol Med 71:65-6, Mar-Apr 71 (Rus)
[Report of the Tooth Protection Committee to the King on National Dental Care] Arnell S, et al.
Odontol Foren Tidskr 34:193-5, 1970 (Swe)

HISTORY

[50th anniversary of Rumanian Communist Party]
Stomatologia (Bucur) 18:193-6, May-Jun 71 (Rum)

STATE MEDICINE (N3)

National health insurance, national health policy, and the national health. Silver GA.
Am J Nurs 71:1730-4, Sep 71
Critical issues and potential implications for optometry and for optometric practice under proposed systems of national health insurance. Haffner AN.
Am J Optom 48:431-6, May 71
Social issues and medicine. Goldstein RA.
Arch Intern Med 127:773-5, Apr 71
A proposal for the creation of a compulsory national service corps. Stead EA Jr.
Arch Intern Med 127:89-90, Jan 71
The organization of postgraduate medical education within the health service. Geffen TJ.
Br J Anaesth 42:779-82, Sep 70
The roles of medicine and social science in the future health services of Britain. Ferguson RS.
Br J Med Educ 4:158-63, Jun 70
Reorganization of the British National Health Service.
Br J Med Educ 4:86-8, Jun 70
Royal Medico-Psychological Association memorandum on the second Green Paper on the future of the National Health Service.
Br J Psychiatry 117:577-9, Nov 70
Abortions under the N.H.S. Arthure HG.
Br Med J 4:617, 5 Dec 70
Health services financing. Griffiths A.
Br Med J 4:619, 5 Dec 70
Suggestion for the training of physicians in the National Health Service. Hamilton M, et al.
Br Med J 1:223-5, 23 Jan 71
Health Services financing report: a review of appendices A-Q. Lees D. Br Med J 4:292-4, 31 Oct 70
Effective management of health. Logan RF, et al.
Br Med J 2:519-21, 29 May 71
People's preferences. Br Med J 1:130, 16 Jan 71
New year thoughts. Br Med J 1:4-5, 2 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The managerial revolution. Br Med J 2:481-2, 29 May 71
The N.H.S. reorganization--Mark 3.
Br Med J 2:420, 22 May 71
Give and take. Br Med J 4:320-1, 7 Nov 70
Trail of suspicion. Br Med J 3:549-50, 4 Sep 71
Scotland's White Paper. Br Med J 3:387-8, 14 Aug 71
Doctors and the common market.
Br Med J 3:133, 17 Jul 71
The rest of the Kingdom. Br Med J 3:64-5, 10 Jul 71
Difficult decisions. Br Med J 3:3, 3 Jul 71
The managerial revolution. Br Med J 3:44-5, 3 Jul 71
Health-care legislation. Feldman LL.
Bull NY Acad Med 47:249-64, Mar 71
Bill 41. Lougheed MN. Can Med Assoc J 104:67, 9 Jan 71
Medical care: changing needs and pattern.
Can Med Assoc J 103:1080-1, 1 Nov 70
Some thoughts on the future of the National Health Service. Heycock JB.
Community Health (Bristol) 2:143-7, Nov-Dec 70
Implications of the transfer of basic health services from county councils to Central Government in Kenya. Vogel LC. East Afr Med J 47:242-6, May 70
The British National Health Service. Daniels RS.
Hospitals 45:39-44, 16 Jun 71
The voluntary approach. Saltzman BN.
J Arkansas Med Soc 67:437-40, May 71
The English National Health Service: some comparisons with the United States. Mechanic D.
J Health Soc Behav 12:18-29, Mar 71
Doctors and people--the challenge of change. Doolin Memorial Lecture. Mitchell D.
J Ir Med Assoc 63:311-7, 25 Sep 70
Finance for health. J Ir Med Assoc 64:234-5, 22 Apr 71
The time is not ripe. Overstreet SA.
J Ky Med Assoc 69:113-4, Feb 71
Medical care in poverty areas. Quertermous JC.
J Ky Med Assoc 69:77-8, Feb 71
Congress and the health care system. Talmadge HE.
J Med Assoc Ga 60:43-6, Feb 71
The four faces of national health insurance.
J Miss State Med Assoc 11:647-50, Dec 70
Universal health insurance. Myers RJ.
J Okla State Med Assoc 63:269-75, Jun 70
Man, milieu and malady. Medicine and the State. Past, present and future relationships. Jefferys M.
J R Coll Gen Pract 19:Suppl 4:2-8, Jun 70
Universal health insurance. Myers RA.
J Tenn Med Assoc 63:1049 passim, Dec 70
Medical care in the United States. Adams RM 2d.
Lancet 2:930, 31 Oct 70
The consultative document. Anderson JA.
Lancet 2:538-9, 4 Sep 71
Cut-price health. Brinton H. Lancet 2:699-700, 25 Sep 71
Who's in charge here? Cairns H. Lancet 2:318-9, 7 Aug 71
The inverse care law. Hart JT. Lancet 1:405-12, 27 Feb 71
The Australian National Health Act June, 1970.
Kent-Hughes MO. Lancet 2:1033-4, 14 Nov 70
Health-care plans in the U.S.A. Moore GE.
Lancet 2:483-4, 28 Aug 71
Medical services of Israel. Rabinowitz K, et al.
Lancet 1:1295, 19 Jun 71
Teaching hospitals and the community.
Lancet 1:584-5, 20 Mar 71
A tear for two tiers. Lancet 1:437-8, 27 Feb 71
Invitation to consult. Lancet 1:1056, 22 May 71
Three into one. Lancet 1:1064, 22 May 71
More on rights. Lancet 1:791-2, 17 Apr 71
What kind of health service? Lancet 1:789, 17 Apr 71
Marching into the past. Lancet 1:688-9, 3 Apr 71
The planning process. Lancet 1:846-7, 24 Apr 71
Doctors or politicians? Lancet 2:1020-1, 14 Nov 70
The axe. Lancet 2:920, 31 Oct 70
A shout of anger. Lancet 2:535, 4 Sep 71
N.H.S. charges. Lancet 2:169-70, 17 Jul 71
A challenge from Scotland. Lancet 2:250-1, 31 Jul 71
Departmental research support.
Lancet 2:207-8, 24 Jul 71
The case for a health commissioner.
Lancet 2:365, 14 Aug 71
The community hospital. Lancet 2:307, 7 Aug 71
Anatomy of the National Health Service. Forsyth G.
Med Care 9:1-3, Jan-Feb 71
Doctors in reolt: the crisis in the English National Health Service. Mechanic D, et al.
Med Care 8:442-55, Nov-Dec 70
National health service. Everigham D, et al.
Med J Aust 1:1244-5, 5 Jun 71
The Canadian medical system. Fisher GN.
Med J Aust 1:1035, 8 May 71
National health service: referral of patients. North CE.
Med J Aust 1:500, 27 Feb 71
National health service: referral of patients.
Puddicombe GH. Med J Aust 1:557-8, 6 Mar 71
National Health Service: referral of patients. Silver DD.
Med J Aust 1:1296, 12 Jun 71
National health service: referral of patients. Vann D.
Med J Aust 1:876, 17 Apr 71
National Health service. Viliunas A.
Med J Aust 1:1353, 19 Jun 71
Private practice attacked and defended. Lister J.
N Engl J Med 284:1425-6, 24 Jun 71
A personal post from Rio. Lister J.
N Engl J Med 283:980-2, 29 Oct 70
Effective management and the future of the NHS. Lister J. N Engl J Med 285:276-8, 29 Jul 71
Swedish medical care in transition. Werkö L.
N Engl J Med 284:360-6, 18 Feb 71
National health insurance--politicians' pipe dream. Aynes EA. Nurs Outlook 19:31-2, Jan 71
National health insurance--some vital issues. Brown HJ.
Nurs Outlook 19:24-5, Jan 71
Health security--a blueprint for progress. Fine MW.
Nurs Outlook 19:27-9, Jan 71
National health insurance--necessary and inevitable. Hamil KM. Nurs Outlook 19:29-30, Jan 71
National health insurance--a legislator's call to action. Kennedy EM. Nurs Outlook 19:26, Jan 71
National health insurance: a means or an end? Lewis EP. Nurs Outlook 19:23, Jan 71
Where have all the flowers gone? Cronk HM.
Nurs Times 67:423, 8 Apr 71
Should the patient pay? Cronk HM.
Nurs Times 67:458, 15 Apr 71
Nursing, change, and the nursing division, DHSS. 1. Raven KA. Nurs Times 67:Suppl:1-4, 7 Jan 71
Nursing, change, and the nursing division, DHSS. 2. Raven KA. Nurs Times 67:Suppl:5-8, 14 Jan 71
Ombudswhat? Nurs Times 67:463, 22 Apr 71
We get the health service we deserve.
Nurs Times 67:990-5, 12 Aug 71
Letter to the editor: national health insurance. Leonard RF. Phys Ther 51:235, Feb 71
The proposed new integrated health service. Rose J.
Physiotherapy 57:286-7, 10 Jun 71
Turning-point and achievements in infantile tuberculosis control during the 25-year period of Polish People's Republic. Zapaśnik-Kobierska MH, et al. Pol Med J 10:65-77, 1971
"It's free". Wilbur DL. Postgrad Med 49:244-5, Feb 71
Provision of medical care in developing countries. Hopwood BE. Proc R Soc Med 63:Suppl:1196+, Nov 70
Medical ethics and society. V. "State of the Union". Galloway JF. Public Health 85:83-7, Jan 71
Medical ethics and society. 3. The public. Teeling-Smith G. Public Health 85:39-41, Nov 70
Cinders no longer? Public Health 85:95-8, Mar 71
The future administration of the National Health Service. Macmillan M.
R Soc Health J 90:186-8 passim, Jul-Aug 70
The hospital service--integration and efficiency.
Radiography 36:211-4, Sep 70
The pros and cons of national health insurance. The medical profession's view. Petersen DM.
Rocky Mt Med J 68:55-9, Feb 71
An economic survey of the nature and intent of the British National Health Service. Cooper MH, et al.
Soc Sci Med 5:1-13, Feb 71
We interview Dr. Christian G. Boateng, M.B., F.F.A. Boateng CG.
Tidsskr Nor Laegeforen 90:2203-4, 1 Dec 70
Study of health facilities in the Province of New Brunswick. Gauvain S.
Trans Soc Occup Med 21:57-8, Apr 71
The vocational specialist answer.
Trans St Johns Hosp Dermatol Soc 56:57-8, 1970
[Complex socialistic rationalization in pharmacies] Jirout J. Cesk Farm 20:161-4, Jun 71 (Cze)
[Main trends of research in social medicine in the 5-year plan, 1971-1975] Drbal C.
Cesk Zdrav 19:166-70, Apr 71 (Cze)
[Preferences and discriminations in health care] Heral V, et al. Cesk Zdrav 19:7-13, 1971 (Cze)
[Research in medical sciences and health care in Czechoslovakia in the 5-year plan, 1971-1975] Houštěk J. Cesk Zdrav 19:163-5, Apr 71 (Cze)
[Professional library activities at Institutes of National Health] Křivinková J. Cesk Zdrav 19:42-3, 1971 (Cze)
[Who is being treated by district physicians? Results of statistical surveys on territorial distict physicians of the East-Slovakian region. II. Structure of patients according to age and sex. Demands for specialized care] Omelčuk A. Cesk Zdrav 18:478-88, Nov 70 (Cze)
[On the threshold of the 5th 5 year-plan] Prokopec J.
Cesk Zdrav 19:49-52, 1971 (Cze)
[Economic planning and national health administration] Holst E.
Ugeskr Laeger 133:1134, 11 Jun 71 (Dan)
[Are physicians able to live up to social reform?] Svane O. Ugeskr Laeger 133:1466-8, 30 Jul 71 (Dan)
[Analysis of National Health administration in the economic plan for 1970-1985]
Ugeskr Laeger 133:1135-42, 11 Jun 71 (Dan)
[Social security of migrant workers in the Communauté Economique Européenne 11 years after the treaty of Rome] Blancher G.
Arch Mal Prof 30:249-51, Apr-May 69 (Fre)
[The medical establishment: attempt at demographic interpretation] Festy.
Bull Inst Nati Sante Rech Med 24:1491-513, Nov-Dec 69 (Fre)
[Free choice and psychiatry] Mignot H.
Evol Psychiatr (Paris) 34:453-72, Jul-Sep 69 (Fre)
[Information retrieval system for the needs in the direction of anti-epidemic health centers] Petrov VI.
Sante Publique (Bucur) 4:343-60, 1970 (Fre)
[Five-year plan of the Soviet Health Service from 1971 to 1975] Dtsch Med J 22:79-81, 1 Jun 71 (Ger)
[The specialist in general medicine and the accident in state medical practice] Mitzscherling R.
Z Aerztl Fortbild (Jena) 64:196-201, 15 Feb 70 (Ger)
[Criteria and proposals for the system of medical care] Harych H. Z Gesamte Hyg 16:825-31, Nov 70 (Ger)
[Sociologic organization analysis in health care] Schneider K. Z Gesamte Hyg 17:430-5, Jun 71 (Ger)
[Assistance by the federal government in the establishment and consolidation of free professions] Lange E. Zahnaerztl Mitt 60:1104-8, 1 Nov 70 (Ger)
[Social medicine and health policies] Strobel FK.
Zahnaerztl Mitt 60:1101-4, 1 Nov 70 (Ger)
[To be healthy in old age]
Zahnaerztl Mitt 60:1106-13, 1 Nov 70 (Ger)
[National health service is no model]
Zahnaerztl Mitt 61:702-3, Jul 71 (Ger)
[The State and medico-social services] Salvati A.
Minerva Med Suppl 28:7-10, Mar 70 (Ita)
[Social psychiatry] Lewis A.
Recent Progr Med (Roma) 47:267-78, Sep 69 (Ita)
[The individual and the person] Baldi GM.
Zacchia 6:299-341, Jul-Sep 70 (Ita)
[Trend and analysis of the governmental budget in the health insurance system] Koike N.
J Jap Med Assoc 64:951-5, 15 Oct 70 (Jap)
[Seminar for the instructors of socialized insurance and modernization of medical care in Japan] Kumagaya H.
J Jap Med Assoc 64:1397-400, 15 Dec 70 (Jap)
[Trends in medical care under the national insurance system] Matsuura T.
J Jap Med Assoc 65:563-76, 15 Feb 71 (Jap)
[Obstacles in establishing the radical revision of the health insurance law] Takemi T.
J Jap Med Assoc 65:691-700, 1 Mar 71 (Jap)
[Medical insurance of the welfare state] Takemi T.
J Jap Med Assoc 65:332-41, 1 Feb 71 (Jap)
[Several organizational forms in the work of the executive committee of the Regional Council of Deputies of Labor in the direction of child health protection] Alekseeva RS.
Pediatriia 50:74-6, Jun 71 (Rus)
[Results of public health planning (1966-1970)] Golovteev VV. Sov Zdravookhr 30:3-8, 1971 (Rus)
[To M.M. Malamud's article "Methods of determining economic effectiveness of public health service"] Rodov IaI. Sov Zdravookhr 30:42-3, 1971 (Rus)
[Immediate tasks in financing of public health] Babanovskiĭ IV.
Zdravookhr Ross Fed 14:10-3, Jul 70 (Rus)
[Some problems of rural public health] Borob'ev VA.
Zdravookhr Ross Fed 14:13-7, Jul 70 (Rus)
[Improvement of the quality of obstetric and gynecological services in the Russian Federation] Isaeva EG, et al.
Zdravookhr Ross Fed 14:3-6, Jul 70 (Rus)
[Experiment in bringing highly qualified therapeutic services closer to the population] Kaliksthein DB.
Zdravookhr Ross Fed 14:17-20, Jul 70 (Rus)
[To implement the decisions of the 24th Congress of the CPSU in the field of public health services] Malov NI. Zdravookhr Ross Fed 15:3-6, Jun 71 (Rus)
[Medical care in Brazil] Etcheves JC.
Prensa Med Argent 58:160-2, 19 Mar 71 (Spa)
[Effects of the 7-kronor reform: increased demands on health services--doctors' performance is unchanged] Gabrielli B, et al.
Lakartidningen 68:1205-11, 10 Mar 71 (Swe)
[Stand up for free choice of doctors] Giertz G.
Lakartidningen 66:4602-3, 5 Nov 69 (Swe)
[United tax negotiations: doctors do not request doubled wages. Both sides agree on unchanged income] Lund T.
Lakartidningen 66:4625-8, 5 Nov 69 (Swe)
[Working hours--a central problem]
Lakartidningen 68:1203-4, 10 Mar 71 (Swe)
[Health care of children in resolutions of KPSU Congresses and decisions of the Soviet government] Gudzenko PM.
Pediatr Akush Ginekol 1:3-4, Jan-Feb 71 (Ukr)

HISTORY

Medicine's lesson from history. Bratrude AP.
Am Fam Physician 3:159-65, Apr 71
25 years of impetuous upsurge.
Folia Med (Plovdiv) 11:363-5, 1969
[Czechoslovak Communist Party and politics of the comprehensive health care] Strejček J.
Cas Lek Cesk 110:470, 1971 (Cze)
[20 years since the integration of health services] Palec R. Cesk Zdrav 19:297-303, 1971 (Cze)
[The process of socioeconomic development of the state health service in England] Neubauer G.
Sudhoffs Arch 54:242-60, Oct 70 (Ger)
[V.I. Lenin and formation of Soviet public health] (Lenin VI), Verkhratskiĭ SA.
Klin Khir 1:1-5, Jan 70 (Rus)
[V. I. Lenin and children] Erenkov VA.
Pediatr Akush Ginekol 3:3-5, May-Jun 69 (Ukr)
[V.I. Lenin--the founder of the state system of health services for mother and child] (Lenin VI), Erenkov VA. Pediatr Akush Ginekol 1:3-6, Jan-Feb 70 (Ukr)
[Lenin--the founder of the state public health system]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(Lenin VI), Kovalenko PI.
Pediatr Akush Ginekol 3:3-6, 1970 (Ukr)
[V. I. Lenin's legacy--the best for the children] (Lenin VI), Medianik RV.
Pediatr Akush Ginekol 2:3-6, Mar-Apr 70 (Ukr)
[Origin of the Czechoslovak Communist Party enabled the realization of the socialistic health care also in Slovakia] Zvara V. Cas Lek Cesk 110:459-60, 1971 (Slo)
[50th anniversary of the Czechoslovak Communisty Party and its effort in development of population health care, regarding the territory of Slovakia] Makovický E. Cesk Zdrav 19:145-56, Apr 71 (Slo)
[50 years of the Czechoslovak Communist Party--period of a struggle for the development of the most progressive system of health care] Zvara V. Cesk Zdrav 19:1-3, 1971 (Slo)

STANDARDS

National Health Service. Lazarus KP.
Med J Aust 1:988, 1 May 71
[Development of the medical sciences] Prokopec J. Cas Lek Cesk 110:1-2, 2 Jan 71 (Cze)
[Misuse of health care?] Sahlin J. Lakartidningen 68:658-9, 10 Feb 71 (Swe)

STATISTICS (H)

see also related
PSYCHOMETRICS (F3)
SOCIOMETRIC TECHNICS (I)

Statistical methods for determination of empirical rate equations for enzyme reactions. Pettersson G, et al.
Acta Chem Scand 24:1275-86, 1970
Effect of magnification on the estimation of the parameters of a log-normal distribution. Mercer TT.
Am Ind Hyg Assoc J 31:552-64, Sep-Oct 70
Multitest screening and normal range. Saracci R.
Am J Clin Pathol 56:252-3, Aug 71
Matched and unmatched: a comparison of two designs, with epidermiologic data. Currie JB.
Am J Epidemiol 93:315-6, May 71
The relative odds in the 2-3 contingency table. Worcester J. Am J Epidemiol 93:145-9, Mar 71
Research in occupational therapy. V. Data interpretation, results and conclusions. Ethridge DA, et al. Am J Occup Ther 25:149-54, Apr 71
A statistical study of the multivariate structure and race-sex differences of American white and Negro fetal skeletons. Choi SC, et al.
Am J Phys Anthropol 33:307-12, Nov 70
Data banks are not the answer: a statistician's viewpoint. Woolsey TD.
Am J Public Health 60:1991-5, Oct 70
Frequency in relatives for an all-or-none trait. James JW. Ann Hum Genet 35:47-9, Jul 71
Notes on the interpretation of intrafamilialcorrelation coefficients. Penrose LS.
Ann Hum Genet 34:291-3, Feb 71
Extension of the Hardy-Weinberg law to assortative mating. Price GR. Ann Hum Genet 34:455-8, May 71
Analysis of components of variation in a radiological method for determining total lung capacity. Reger RB, et al. Arch Environ Health 21:778-83, Dec 70
The practival psychology of biostatistical consultation. Hyams L. Biometrics 27:201-11, Mar 71
A stochastic model for the growth of cells in cancer. Iyer KS, et al. Biometrics 26:401-10, Sep 70
Analysis of ifformation--an alternative approach to the detection of a correlation between the sexes of adjacent sibs in human families. Ku HH.
Biometrics 27:175-82, Mar 71
A class of permutational and multinomial tests arising in epidemiological research. Mantel N, et al.
Biometrics 26:687-700, Dec 70
A test for differences between treatment means when several dose levels are compared with a zero dose control. Williams DA. Biometrics 27:103-17, Mar 71
The use of discriminant analysis for examining the histological features of oral keratoses and lichen planus. Appendix on discriminant analysis. Clarke MR. Br J Cancer 24:683-6, Dec 70
The use of discriminant analysis for examining the histological feathers of oral keratoses and lichen planus. Kramer IR, et al. Br J Cancer 24:673-83, Dec 70
Quantitative genetics in psychology. Burt C.
Br J Math Stat Psychol 24:1-21, May 71
A cross-over trial with categorized response. Hawkes AG. Br J Math Stat Psychol 24:93-100, May 71
Piecewise regression: a simplified procedure. Wainer H. Br J Math Stat Psychol 24:83-92, May 71
Some multivariate statistical techniques applied to pharmacological research. Cherrington N, et al.
Br J Pharmacol 41:425P+, Feb 71
Multivariate statistical methods and classification problems. Maxwell AE.
Br J Psychiatry 119:121-7, Aug 71
The number of patients required in a clinical trial. Boag JW, et al. Br J Radiol 44:122-5, Feb 71
There's safety in numbers. Raper AB.
Bristol Med Chir J 86:7-9, Jan 71
Normal values from a statistical viewpoint. Healy MJ.
Bull Acad R Med Belg 9:703-18, 1969
Studies of survivors of myocardial infarction. Irwin AC.
Can Med Assoc J 104:156 passim, 23 Jan 71
Remarks on clinical "norms". Mainland D.
Clin Chem 17:267-74, Apr 71
Influence of statistical method used on the resulting estimate of normal range. Reed AH, et al.
Clin Chem 17:275-84, Apr 71
Normal ranges and gaussian distributions. Werner M, et al. Clin Chem 16:809, Sep 70
Quality control using the daily mean. Dixon K, et al.
Clin Chim Acta 30:453-61, Nov 70
Discriminant function in clinical trials. Dorr AE.
Clin Pharmacol Ther 12:151, Jan-Feb 71
Clinical biostatistics. VII. The rancid sample, the tilted target, and the medical poll-bearer. Feinstein AR.
Clin Pharmacol Ther 12:134-50, Jan-Feb 71
Clinical biostatistics. 8. An analytic appraisal of the University Group Diabetes Program (UGDP) study. Feinstein AR.
Clin Pharmacol Ther 12:167-91, Mar-Apr 71
Clinical biostatistics. VI. Statistical "malpractice"--and the responsibility of a consultant. Feinstein AR.
Clin Pharmacol Ther 11:898-914, Nov-Dec 70
Clinical biostatistics. X. Sources of 'transition bias' in cohort statistics. Feinstein AR.
Clin Pharmacol Ther 12:704-21, Jul-Aug 71
Clinical biostatistics. XI. Sources of 'chronology bias' in cohort statistics. Feinstein AR.
Clin Pharmacol Ther 12:864-79, Sep-Oct 71
Classification problems in epidemiology studied by multivariate analysis. Agnese G, et al.
G Ig Med Prev 11:115-32, Jul-Sep 70
Cohort analysis with national survey data. Glenn ND, et al. Gerontologist 10:233-40, Autumn 70
Significance levels in multiple comparison tests. Hopkins CE, et al.
Health Serv Res 5:132-40, Summer 70
Analysis of qualitative data: linear functions. Johnson WD, et al. Health Serv Res 5:358-69, Winter 70
Forecasting by a modified exponential smoothing method. Sposato DP, et al.
Health Serv Res 5:141-7, Summer 70
Hospital statistics. Hospitals 45:Suppl 2:445-94, 1 Aug 71
Standard errors of heritability estimates calculated from variace component analysis of a two-way classification. Jensen EL, et al.
J Anim Sci 32:1069-77, Jun 71
Application of statistical techniques for assessment of prognosis in patients with acute circulatory failure (shock). Winkel P, et al. J Chronic Dis 24:61-9, Jun 71
H group method of profile analysis. Van ATTA RE, et al.
J Clin Psychol 27:327-33, Jul 71
Quantitative structure-activity models. Some conditions for application and statistical interpretation. Hudson DR, et al.
J Med Chem 13:1184-9, Nov 70
Socio-economic class bias in Rorschach diagnosis: contributing psychosocial attributes of the clinician. Trachtman JP. J Pers Assess 35:229-47, Jun 71
A common error in assessing the significance of percentage change in neuropharmacology. McLean RA, et al. J Pharm Pharmacol 23:643-5, Aug 71
Cautions regarding the physical interpretation of statistically based structure-activity relationships. Cammarata A, et al. J Pharm Sci 59:1498-9, Oct 70
Nonlinear regression applied to non-Newtonian flow. Niebergall PJ, et al. J Pharm Sci 60:1393-402, Sep 71
Stochastic population mechanics in the relational systems formalism: Volterra-Lotka ecological dynamics. Hamann JR, et al.
J Theor Biol 28:175-84, Aug 70
A test for comparing diversities based on the Shannon formula. Hutcheson K. J Theor Biol 29:151-4, Oct 70
The mean and variance of intervals between renewals of a type I counter with a censored Poisson input. Trabka EA, et al. Kybernetik 7:224-7, Dec 70
Mean and variance of the number of renewals of a censored Poisson process. Trabka EA, et al.
Kybernetik 7:221-4, Dec 70
Bayesian estimation for higher order cross-classifications. Cornfield J.
Milbank Mem Fund Q 48:Suppl:57-70, Oct 70
Hospital patient statistics. Problems and prospects. Murnaghan JH, et al. N Engl J Med 284:822-8, 15 Apr 71
The fallacy of using selected statistics to measure the effectiveness of medical care. Schreiber J.
Ohio State Med J 67:492-3, Jun 71
The quantitative limitations of exponential curve fitting. Glass HI, et al. Phys Med Biol 16:119-30, Jan 71
Statistics and computers--a worked example. Thompson R. Proc Nutr Soc 29:141-7, May 70
Nonparametric indexes for sensitivity and bias: computing formulas. Grier JB.
Psychol Bull 75:424-9, Jun 71
A procedure for examining time changes in rates of readmission to psychiatric hospitals. Thompson WO, et al. Public Health Rep 85:873-9, Oct 70
The reversible line: a statistical comparison of two methods of measurement. Application to electronic particle counters. Salmon D, et al.
Rev Eur Etud Clin Biol 15:1132-40, Dec 70
The task and perspectives of the application of statistics in medicine and health services. Začek A.
Sante Publique (Bucur) 12:321-30, 1969
Discriminant analysis. Eklund G.
Scand J Clin Lab Invest 28:305-6, Dec 70
A computerized method of determining the statistical significance of the observed mortality experience. Book DT, et al.
Trans Assoc Life Ins Med Dir Am 54:219-57, 1971
Sensitivity of chi-square testing for incidence of a criterion in biology. Ford GE.
Trans R Soc Trop Med Hyg 65:400-2, 1971
"A science which ought to be honourable". Jacobsen M.
Trans Soc Occup Med 21:38-42, Apr 71
Pharmacy manpower. Reinhart GR.
Vital Health Stat 14:1-28, Aug 69
National Center for Health Statistics. Development of the design of the National Center for Health Statistics Hospital Discharge Survey.
Vital Health Stat 2:1-29, Sep 70
Basic medical statistics. 11. Description of a quantitative sample: comparison of a sample mean with an expected mean. Bahn AK.
Woman Physician 26:78-87 passim, Feb 71
Basic medical statistics. 12. Difference between two independent sample means. Bahn AK.
Woman Physician 26:196-7 passim, Apr 71
[Principles of medical statistics. VII. Stopping rules] Andersen B. Nord Med 85:623-6, 20 May 71 (Dan)
[Principles in medical statistics. 8. Sequence analysis for qualitative variables] Andersen B.
Nord Med 86:902-5, 29 Jul 71 (Dan)
[Health insurance data as a source of medical statistics] Holst E, et al.
Ugeskr Laeger 132:2535-40, 31 Dec 70 (Dan)
[Statistical data on traffic accidents and offenses in Belgium and applicability of the data] Wijs-Koppen O de. Arch Belg Med Soc 28:285-94, Apr 70 (Dut)
[Value of computers for statistical analysis of 2300 measurements of thresholds of diastolic excitability in electrosystolic training with a bipolar endocavitary probe Medtronic 5816 and 5818] Fontaine G, et al.
Arch Mal Coeur 64:571-86, Apr 71 (Fre)
[2 easy statistical methods, involving a minimum of calculations, useful in biology and medicine] Duhamel J, et al. Biol Med (Paris) 60:177-203, Mar-Apr 71 (Fre)
[10 important suggestions or reflections for the proper use of medical statistics] Duhamel J, et al.
Bord Med 4:361-2 passim, Feb 71 (Fre)
[Characteristic values of 3 biological parameters and their correlations] Maschas H, et al.
Bull Acad Nati Med (Paris) 154:577-8, 30 Jun 70 (Fre)
[Obstetrical statistics] Lewin D.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:382-4, 1968 (Fre)
[Daily statistical data methods at the Bucharest Polizu Maternity Hospital] Peretianu I.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:394-5, 1968 (Fre)
[Utilization of samples in health surveys] Morando B.
Bull Inst Nati Sante Rech Med 24:1645-56, Nov-Dec 69 (Fre)
[Application of sequential statistical procedures to the study of enzymatic concentrations of human normal pancreatic juice] Schmidt B, et al.
C R Soc Biol (Paris) 164:1813-8, 1970 (Fre)
[Statistic aspects of the distribution and division functions] Bontemps R.
J Pharm Belg 26:183-7, Mar-Apr 71 (Fre)
[Application of statistical analysis to the study of spontaneous cerebral electric activity in adult rabbits] Bassant MH, et al.
J Physiol (Paris) 63:3A-4A, Mar-Apr 71 (Fre)
[General method of statistical analysis of cerebral electric activity] Bassant MH, et al.
J Physiol (Paris) 63:4A-5A, Mar-Apr 71 (Fre)
[Analysis of correspondences. Use with medical data] Lenoir P, et al.
Pathol Biol (Paris) 16:715-21, Aug-Sep 68 (Fre)
[Value of statistics procedures in the interpretation of biological research on patients taking thermal cures] Aublet-Cuvelier JL, et al.
Presse Therm Climat 107:161-3, 1970 (Fre)
[Methods of evaluation of the effects of crenotherapy] Cuvelier R.
Presse Therm Climat 107:129-34, 1970 (Fre)
[Methodological aspects of clinical therapeutic trials] Schwartz D.
Presse Therm Climat 107:123-9, 1970 (Fre)
[Therapeutic efficacy tests in respiratory allergy] Wolfromm R, et al.
Presse Therm Climat 107:134-9, 1970 (Fre)
[Registration and statistical analysis of genital cancer at the Institut Gustave-Roussy] Rouquette C, et al.
Rev Fr Gynecol Obstet 63:181-94, Apr 68 (Fre)
[Program system overregional archiving and statistical evaluation of AMP data] Bente D, et al.
Arzneim Forsch 20:913-5, Jul 70 (Ger)
[Statistical material in electronic processing of laboratory data] Borner K, et al.
Dtsch Med J 22:281-4, May 71 (Ger)
[Error in ulcer surgery or in statistics?] Bünte H.
Dtsch Med Wochenschr 96:1231-2, 16 Jul 71 (Ger)
[Sampling plans for sequential testing designs] Havelec L, et al.
Int Z Klin Pharmakol Ther Toxikol 4:342-5, Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Biometry and clinical pharmacology. Analysis of time depending datas in biomedical research] Rahlfs VW, et al.
Int Z Klin Pharmakol Ther Toxikol 5:96-109, Aug 71 (Ger)
[The danger of wrong inferences from medical record data (Berkson's fallacy)] Rümke CL.
Methods Inf Med 9:249-54, Oct 70 (Ger)
[Viewpoints of the medical statistician on the evaluation of results and documentation in rheumatology] Koller S.
Verh Dtsch Ges Rheumatol 1:271-8, 1969 (Ger)
[Note on testing the reliability of cancer statistics] Braun RN, et al.
Wien Med Wochenschr 120:729-32, 17 Oct 70 (Ger)
[Determination of the optimal bed capacity from the statistical data of the preceding year] Grimm J, et al.
Z Aerztl Fortbild (Jena) 65:267-70, 1 Mar 71 (Ger)
[Erroneous results of the mean birth weight determination due to unfavorable weight classification--a contribution to the determination of exact mathematical statistical parameters] Mildner G.
Z Aerztl Fortbild (Jena) 64:625-9, 15 Jun 70 (Ger)
[Poisson's classification of daily deliveries] Otto W.
Z Aerztl Fortbild (Jena) 65:214-6, 15 Feb 71 (Ger)
[The testimonial limits of autopsy statistics] Zschoch H.
Z Aerztl Fortbild (Jena) 65:334-9, 15 Mar 71 (Ger)
[Statistical studies of the errors of the "drop-plating" technic in germ cell counts in food] Untermann F.
Zentralbl Bakteriol [Orig] 215:563-71, 1970 (Ger)
[Significance of operation statistics] Müke R.
Zentralbl Neurochir 31:273-80, 1970 (Ger)
[The use of statistics in medicine] Halevi SH.
Harefuah 78:451-2, 1 May 70 (Heb)
[Sample selection in biometric analysis] Béky J.
Fogorv Sz 64:259-63, Jul 71 (Hun)
[Respiratory function tests in normal subjects. Predictive equations in the calculation of inspiratory capacity, expiratory reserve and dynamic pulmonary volumes] Rambaldi M, et al.
Arch Tisiol Mal Appar Resp 24:225-52, Mar 69 (Ita)
[Practical considerations on the use of crossover drawing in clinical experimentation] Lucchelli PE, et al.
Boll Chim Farm 109:223-32, Mar 70 (Ita)
[Quantitative diagnosis of cerebellopontine angle lesion--from the standpoint of neumerical diagnosis] Yoshimoto Y.
J Otolaryngol Jap 73:1930-5, Dec 70 (Jap)
[Some reflections on mathematical analysis of clinical diagnosis--from spectrum display to the quantitative theory] Abe H, et al.
Jap J Clin Pathol 19:172-84, Mar 71 (Jap)
[Statistics essential to the quality control program] Kawai T.
Jap J Clin Pathol 18:Suppl:2-8, 1970 (Jap)
[On causal and other associations in epidemiology] Westlund K.
Nord Med 85:453-8, 15 Apr 71 (Nor)
[Statistical methods of assessment of errors in the interpretation of miniature films] Sawicki F.
Gruzlica 39:125-34, Feb 71 (Pol)
[Evaluation of functional recombinations of intracellular microstructures using the Fisher information index] Vladimirskiĭ BM, et al.
Biofizika 15:473-7, May-Jun 70 (Rus)
[Calculation of the mean quadratic deviation from the range] Tolokontsev NA.
Gig Sanit 35:81-5, Oct 70 (Rus)
[Choice of basic equipment parameters for the construction of parametric series by the range correlation method] Golomazova ZA.
Nov Med Priborostr 1:39-43, 1970 (Rus)
[Study of the EMG cross-correlation function by physical modelling of interference bioelectric activity] Gundarov VP, et al.
Nov Med Priborostr 3:71-5, 1969 (Rus)
[Use of correlation function parameters as criteria of the functional state of the cerebral cortex] Gundarov VP, et al.
Nov Med Priborostr 1:32-6, 1967 (Rus)
[Some parameters of the autocorrelation function of the electromyogram] Gundarov VP.
Nov Med Priborostr 1:37-42, 1967 (Rus)
[Parameters of EMG crosscorrelation functions in man] Gundarov VP.
Nov Med Priborostr 2:118-26, 1967 (Rus)
[Study of the bioelectric activity of the sympathetic nerves of the heart and kidney by the cross-correlation method] Katunskiĭ AIa, et al.
Nov Med Priborostr 1:21-7, 1967 (Rus)
[Application of the cross-correlation analysis method in electromyography] Person RS, et al.
Nov Med Priborostr 1:16-20, 1967 (Rus)
[Application of the correlation method to the analysis of the electrograms of patients with hyperkinesis] Pokrovskaia ZA, et al.
Nov Med Priborostr 1:83-9, 1969 (Rus)
[Application of cross-correlation analysis in the electromyography of respiratory muscles] Shik LL, et al.
Nov Med Priborostr 1:11-5, 1967 (Rus)
[Choice of criteria for evaluating reliability in the design of medical equipment, taking into consideration cost indices] Sokolovskiĭ IuP.
Nov Med Priborostr 1:48-51, 1967 (Rus)
[Significance of some parameters of the auto- and cross correlation functions of the EEG for characterizing the functional condition of the CNS in schizophrenia] Titaeva MA, et al.
Nov Med Priborostr 1:90-9, 1969 (Rus)
[Methods of standardizing the reliability of medical instrumentation] Vladov AI.
Nov Med Priborostr 1:134-7, 1969 (Rus)
[Solving the problem of reliability of medical electronic equipment] Vladov AI.
Nov Med Priborostr 2:107-10, 1967 (Rus)
[Evaluation of the reliability of non-repairable medical radio electronic equipment] Vladov AI.
Nov Med Priborostr 1:44-8, 1970 (Rus)
[Study of the interrelations of the sensorimotor and visual regions of the cerebral cortex by the method of cross-correlation analysis] Zhegalkina NG.
Nov Med Priborostr 1:28-31, 1967 (Rus)
[Some indices of correlation functions for normal human electroencephalograms] Zhirmunskaia EA, et al.
Nov Med Priborostr 1:73-82, 1969 (Rus)
[Method of social hygienic study of puberty in children] Maksimova TM.
Sov Zdravookhr 29:68-71, 1970 (Rus)
[Study of the statistical structure of diseases by electronic computer] Vlasov PV, et al.
Sov Zdravookhr 29:48-54, 1970 (Rus)
[Application of comparative studies of certain objects of forensic medicine expertise (acquisition and processing of the experimental data). I] Kolosova VM.
Sud Med Ekspert 14:23-7, Jan-Mar 71 (Rus)
[Coding veterinary statistical data for machine processing] Orlov PT, et al.
Veterinariia 9:85-8, Sep 70 (Rus)
[Methodologic errors in statistical calculations] Kaminskiĭ MI.
Zdravookhr Ross Fed 15:28-9, Jan 71 (Rus)
[Use of mathematical methods in epidemiology. II. Empirical and theoretical distributions] Bezdeneshnykh IS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:3-9, Jun 70 (Rus)
[Express method for estimation of the normal distribution parameters from a grouped sample] Khovanov NV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:14-6, Jul 70 (Rus)
[Methods of statistical treatment of the results of serologic tests] Tambovtsev EP, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:26-31, Oct 69 (Rus)
[Method of statistical treatment of single and multiple serological reactions by a multichannel system] Tambovtsev EP, et al.
Zh Mikrobiol Epidemiol Immunobiol 43:74-9, Jan 71 (Rus)
[Principle of correlograms] Kanep SV.
Zh Obshch Biol 31:276-87, May-Jun 70 (Rus)
[Errors in the use of mathematics in biology. II. Errors related to excessive enthusiasm] Liubishchev AA.
Zh Obshch Biol 30:715-23, Nov-Dec 69 (Rus)
[The null hypothesis and its application in zoological studies] Smirnov VS.
Zh Obshch Biol 31:62-71, Jan-Feb 70 (Rus)
[Statistical analysis of clinical research] Cravioto J.
Gac Med Mex 100:738-55, Jul 70 (Spa)
[Use of statistical information in general hospitals for acute patients] Espinosa Ayala AM.
Salud Publica Mex 12:639-50, Sep-Oct 70 (Spa)
[Statistical studies on perinatal research. Forms and instructions] Lavalle Argudín R.
Salud Publica Mex 12:675-709, Sep-Oct 70 (Spa)

EDUCATION

[Correspondece courses in applied statistics (for medicine, epidemiology and biology)]
Munch Med Wochenschr 42:4, 16 Oct 70 (Ger)

HISTORY

[Lenin's ideas in the theory and practical application of statistics] (Lenin VI), Belitskaia EIa.
Gig Sanit 35:10-3, Apr 70 (Rus)
[Lenin's ideas in the development of statistics] (Lenin VI), Belitskaia EIa.
Sov Zdravookhr 28:3-8, 1969 (Rus)

STANDARDS

The accuracy of mortality statistics in clinically proven amyotrophic lateral sclerosis. Hoffman PM, et al.
Trans Am Neurol Assoc 95:261-3, 1970
[Codification] Aubenque M.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:388-91, 1968 (Fre)
[Statistics in obstetrical and gynecologic clinical practice: objective and subjective criteria] Brat T, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:396-9, 1968 (Fre)
[Attempted standardization of obstetrical observations and handling by the computer] Charvet F.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:379-82, 1968 (Fre)
[Relation between the obstetrical file and the mechanographic index] Lévi S.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:377-9, 1968 (Fre)
[Establishment and use of a standard statistical method] Wenner R.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:385-6, 1968 (Fre)
[Classification of malignant gynecological tumors in relation to standardization of statistics] Wolff JP.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:386-8, 1968 (Fre)
[Proposals with a view to the standardization of statistics in obstetrics and gynecology]
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:371-6, 1968 (Fre)

STATOLON see under POLYSACCHARIDES (D11)

STATUS DYSRAPHICUS (C16)

[The cleft sternum. Clinical picture and therapy] Wischnack H.
Zentralbl Chir 95:878-91, 25 Jul 70 (59 ref.) (Ger)
[Sternal dysrhaphia. (Pathogenetic and clinical considerations] Francesconi G, et al.
Minerva Chir 25:1231-9, 30 Sep 70 (Ita)

CHEMICALLY INDUCED

[Neural tube closure defects induced by tyrosine overload] Schlack L, et al.
Rev Med Chil 99:129-31, Feb 71 (Spa)

COMPLICATIONS

[Status dysrhaphicus and heterochromocyclitis] Schmautz KH.
Dtsch Gesundheitsw 25:991-3, 28 May 70 (Ger)
[Status dysraphicus in Dercum's syndrome] Emanuel' VIa.
Klin Med (Mosk) 48:115-8, Jul 70 (Rus)

DIAGNOSIS

[The present diagnosis of dysrhaphia] Curtius F, et al.
Arch Julius Klaus Stift Vererbungsforsch 43:115-75, 1968 (Ger)

EMBRYOLOGY

[Median facial dysraphias. Anterior neuropore and the olfactory brain] Gosserez M, et al.
Ann Chir Plast 13:264-78, Dec 68 (Fre)

RADIOGRAPHY

Craniospinal dysraphia and segmental level of the axial skeleton. Barson AJ. J Pathol 101:Pxi, Aug 70

STEAM (G3)

Disinfection of cystoscopes by subatmospheric steam and steam and formaldehyde at 80 degrees C. Alder VG, et al. Br Med J 3:677-80, 18 Sep 71
Steam film sampling of water for mass spectrometric analysis of the deuterium content. Thurston WM.
Rev Sci Instrum 42:700-3, May 71

STEARIC ACID (D11)

Membrane condensing effect of cholesterol and the role of its hydroxyl group. Long RA, et al.
Biochem Biophys Res Commun 41:321-7, 23 Oct 70
Reductive amination of 12-ketostearic acid. Freedman B, et al. J Am Oil Chem Soc 47:311-2, Sep 70
Chain length specificity of the saturated fatty acyl desaturase in rat liver preparations. Raju PK, et al.
Lipids 5:487-9, May 70
[Peroral drugs with delayed action. VI. Effect of stearic acid and its glycerin esters on the retarded release of drugs] Starha L, et al. Cesk Farm 20:60-2, Mar 71 (Cze)
[Polyoxyl 40 stearate] De Santis A, et al.
Boll Chim Farm 109:503, Sep 70 (Ita)
[Studies on the physicochemical properties of aluminum soaps. IX. Surface pressure and specific water evaporation resistance of monolayers of aluminum stearates] Nakagaki M, et al.
J Pharm Soc Jap 90:1088-94, Sep 70 (Jap)

ADMINISTRATION & DOSAGE

Advantages of prednisolone stearoylglycolate in chronic steroid-dependent asthma. Pines A.
Practitioner 206:513-6, Apr 71
[Controlled release erythromycin stearate in the treatment of diarrheic syndromes of different etiologies] Zerati A, et al.
Hospital (Rio de J) 78:1127-36, Oct 70 (Por)

ANALYSIS

Quatitative paper chromatography of fatty acids. 3. The chemical interaction with cellulose. Hansen HJ, et al.
Acta Chem Scand 24:1783-90, 1970
Gas liquid and thin layer chromatographic analysis of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

12-aminostearic acid. Freedman B.
J Am Oil Chem Soc 47:305-10, Sep 70

BIOSYNTHESIS

Conversion of oleic acid into threo-dihydroxystearic acid by rat liver microsomes. Watabe T, et al.
Biochem Pharmacol 20:912-3, Apr 71

BLOOD

[Inhibition of streptolysin O by C16-C18 fatty acids. Comparison with the inactivation of this hemolysin by cholesterol] Badin J, et al.
C R Acad Sci [D] (Paris) 272:2393-5, 3 May 71 (Fre)

DIAGNOSTIC USE

[Radiculography with emulsions of ethyl mono-iodo-stearate] Bories J, et al.
J Radiol Electrol Med Nucl 51:566-70, Oct 70 (Fre)

METABOLISM

Lipid metabolism in the perfused chicken liver. The uptake and metabolism of oleic acid, elaidic acid, cis-vaccenic acid, trans-vaccenic acid and stearic acid. Bickerstaffe R, et al. Biochem J 118:433-42, Jul 70
The metabolism of glucose, acetate, palmitate, stearate and oleate in pigs. Freeman CP, et al.
Br J Nutr 24:705-16, Sep 70
Stearic acid metabolism by mammary cells. Kinsella JE.
J Dairy Sci 53:1757-65, Dec 70
Studies of differential turnover of palmitoyl and stearoyl species of glycerophosphatides using labeled unsaturated acids. Holub BJ, et al.
Lipids 6:307-13, May 71
Inhibition of desaturation of stearic acid in livers of rats fed ethionine. Lyman RL, et al.
Lipids 5:583-9, Jul 70
Effect of oleic and linoleic acids on the monodesaturation in vitro of stearic acid by the livers of patients suffering from malignant neoplastic diseases. Nakazawa I, et al.
Tohoku J Exp Med 102:283-8, Nov 70
Metabolism of stearoyl propylene glycol hydrogen succinate. King WR, et al.
Toxicol Appl Pharmacol 17:519-28, Sep 70

PHARMACODYNAMICS

The effects of some compounds on the endogenous respiration of skin. Long VJ, et al.
Br J Dermatol 85:167-70, Aug 71

TOXICITY

Feeding of Succistearin to rats and dogs. King WR, et al. Toxicol Appl Pharmacol 18:26-34, Jan 71
[Experimental study of the toxicity of barium-cadmium stearate] Shabalina LP.
Gig Sanit 35:98-9, Feb 70 (Rus)

STEATITIS (C13, C15)

VETERINARY

Steatitis in a captive Marcy garter snake. Langham RF, et al. J Am Vet Med Assoc 159:640-1, Sep 71

STEATORRHEA see SPRUE (C4, C13)

STEATORRHEA, CHILDHOOD see CELIAC DISEASE (C4, C13)

STEEL see under ALLOYS (D1)

STEIN-LEVENTHAL SYNDROME (C2)

Treatment of anovulation in the Stein-Leventhal syndrome. Analysis of 90 cases. Zárate A, et al.
Fertil Steril 22:188-93, Mar 71
[Stein-Leventhal syndrome] Leutenegger M, et al.
Maroc Med 49:579-85, Oct 69 (Fre)
[Clinical studies, hormone tests and methods of treatment in patients with Stein-Leventhal syndrome] Tóth F, et al.
Z Geburtshilfe Gynaekol 172:286-97, Jun 70 (Ger)
[The anthropometric picture of Stein-LeVenthal syndrome] Oppenheim M, et al.
Endocrinol Sci Cost 30:183-90, Mar 69 (Ita)
[Clinical and anatomo-pathological contribution on Stein-Leventhal's syndrome] D'Antonio G.
Rass Int Clin Ter 50:944-51, 15 Aug 70 (Ita)
[Rare cases of gonadal dysgenesis and ovarian cystic degeneration in children] Szczepski O, et al.
Wiad Lek 23:2227-34, 15 Dec 70 (Pol)

BLOOD

The effect of Norit extraction on the plasma binding of testosterone in normal men and in women with the polycystic ovary syndrome. Southren AL, et al.
Clin Chim Acta 30:538-40, Nov 70

COMPLICATIONS

A case of Stein-Leventhal syndrome complicated by large multiple fibromyomas. Fook CW.
Med J Malaya 24:314-6, Jun 70
Endometrial carcinoma associated with Stein-Leventhal syndrome. Chuang JT, et al.
NY State J Med 71:1231-4, 1 Jun 71
[Thecoma in polycystic ovaries] Csaba I, et al.
Z Geburtshilfe Gynaekol 171:284-92, Dec 69 (Ger)
[Stein-Leventhal syndrome and uterus carcinoma] Tóth F, et al.
Z Geburtshilfe Gynaekol 172:276-85, Jun 70 (Ger)
[Psychoendocrine syndrome in the course of cystic degeneration of the ovaries] Kłosińska B, et al.
Psychiatr Pol 4:633-8, Nov-Dec 70 (Pol)
[Sclerocystic ovary syndrome and the generative function in women] Beskrovnaia NI.
Akush Ginekol (Mosk) 46:60-2, Mar 70 (Rus)

DIAGNOSIS

Sequential adrenal and ovarian suppression tests in the differential diagnosis of the polycystic ovary (Stein-Leventhal) syndrome. Benjamin F, et al.
Fertil Steril 21:854-9, Dec 70
Estimation of ovarian size with reference to Stein-Leventhal syndrome. Abrahams OL, et al.
Obstet Gynecol 38:117-24, Jul 71
Combined dexamethasone and human chorionic gonadotropin in diagnosis of polycystic ovarian disease. Beck WW Jr, et al.
Obstet Gynecol 37:211-7, Feb 71
[Diagnostic and therapeutic problems of the Stein-Leventhal syndrome] Swiderska T.
Wiad Lek 24:525-9, 15 Mar 71 (Pol)
[Use of synthetic progestins in diagnosing the causes of virilism] Tumilovich LG, et al.
Sov Med 34:34-7, Jan 71 (Rus)

DRUG THERAPY

[Cystic ovarian reaction during a HMG-HCG therapy for ante-pubertal Stein-Leventhal syndrome] Guinet P, et al. Rev Lyon Med 19:623-9, 15 Oct 70 (Fre)
[Single dose of Pergonal. Biologic and clinical prospectives] Ingiulla W, et al.
Minerva Ginecol 21:1026-31, 31 Aug 69 (Ita)
[Clinical and hormonal aspects of therapeutic ovarian inhibition with antiovulatory steroids] Rendina GM, et al. Policlinico [Prat] 76:1383-91, 27 Oct 69 (Ita)
[Diagnostic and therapeutic problems of the Stein-Leventhal syndrome] Swiderska T.
Wiad Lek 24:525-9, 15 Mar 71 (Pol)
[Induction of ovulation with clomiphene in the Stein-Leventhal syndrome] Hernández Ayup S, et al.
Ginecol Obstet Mex 27:727-31, Jun 70 (Spa)

ENZYMOLOGY

False-positive test for branched-chain ketonuria. Gabrilove JL, et al. N Engl J Med 285:753, 23 Sep 71

ETIOLOGY

Studies on the polycystic ovaries of rats under continuous auditory stress. Singh KB, et al.
Am J Obstet Gynecol 108:557-64, 15 Oct 70
[Gonadotropin secretion in patients with sclerocystic ovary syndrome] Dokumov S, et al.
Akush Ginekol (Mosk) 46:62-3, Mar 70 (Rus)
[Value of the progesterone test in studying the etiology of the sclerocystic ovary (Stein-Leventhal) syndrome] Tychinskiĭ LI.
Akush Ginekol (Mosk) 46:39-44, Feb 70 (Rus)

FAMILIAL & GENETIC

[The Stein-Leventhal syndrome and genetics]
Orv Hetil 112:531-2, 28 Feb 71 (Hun)
[Cytogenetic findings in Stin-Leventhal syndrome] Bovicelli L, et al.
Minerva Ginecol 21:1052-4, 31 Aug 69 (Ita)

METABOLISM

Histochemical and ultrastructural examinations in the Stein-Leventhal syndrome. Tóth F, et al.
Acta Morphol Acad Sci Hung 18:293-306, 1970
Long-term effect of wedge resection on androgen production in a case of polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 110:1061-5, 15 Aug 71
[Urinary excretion of testosterone in Stein-Leventhal's syndrome] Neri V, et al.
Folia Endocrinol (Roma) 23:373-80, Aug 70 (Ita)

PATHOLOGY

Histochemical and ultrastructural examinations in the Stein-Leventhal syndrome. Tóth F, et al.
Acta Morphol Acad Sci Hung 18:293-306, 1970
The significance of peripheral sclerosis in the Stein-Leventhal syndrome. Gyves MT.
Fertil Steril 21:502-7, Jun 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 24-1971.
N Engl J Med 284:1369-75, 17 Jun 71
[Electron microscopic study of the ovary in women with Stein-Leventhal syndrome] Takeva Ts.
Akush Ginekol (Sofiia) 9:302-9, 1970 (Bul)
[Histochemical and ultra-structural studies on the Stein-Leventhal syndrome] Tóth F, et al.
Z Geburtshilfe Gynaekol 173:103-16, Aug 70 (Ger)
[Histochemical study of Stein-Leventhal syndrome] Manfredi P, et al. Biol Lat 23:101-11, Apr-Jun 69 (Ita)
[Basic structural changes in the ovaries in Stein-Leventhal syndrome] Bronshtein ME, et al.
Arkh Patol 33:51-9, 1971 (Rus)

PHYSIOPATHOLOGY

[Clinico-electrophysiological parallels in atypical forms of virilization in girls] Bogdanova EA, et al.
Akush Ginekol (Mosk) 46:16-21, Dec 70 (Rus)

RADIOGRAPHY

[Pneumoperitoneum-pelvigraphy. Analysis of 100 cases. Radiological diagnosis of polycystic ovary] Grabert H, et al. Rev Paul Med 76:53-6, Jun 70 (Por)
[Radiography in the diagnosis of the Stein-Leventhal syndrome] Poliak MS, et al.
Pediatr Akush Ginekol 3:56-7, May-Jun 69 (Ukr)

SURGERY

Long-term effect of wedge resection on androgen production in a case of polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 110:1061-5, 15 Aug 71
[Stein-Leventhal syndrome] Döring GK.
Dtsch Med Wochenschr 96:924, 21 May 71 (Ger)
[Remote results of surgical treatment of the sclerocystic ovary (Stein-Leventhal) syndrome] Beskrovnaia NI.
Akush Ginekol (Mosk) 46:29-35, Feb 70 (Rus)

URINE

Urinary excretion of pregn-5-en-3 beta, 17 alpha, 20 alpha-triol in the Stein-Leventhal syndrome. Stern MI. J Endocrinol 50:347, Jun 71
[Gonadotropin inhibiting substances in patients with Stein-Leventhal syndrome] Dokumov SI, et al.
Zentralbl Gynaekol 93:64-6, 9 Jan 71 (Ger)

STELAZINE see TRIFLUOPERAZINE (D6)

STELLATE GANGLION (A8)

Rare complication during stellate ganglion block: a case report. Peng AT, et al.
Can Anaesth Soc J 17:640-2, Nov 70
Stellate ganglion block in the management of tinnitus. Adlington P, et al. J Laryngol Otol 85:159-68, Feb 71
Treatment of shoulder-hand syndrome. Combined ultrasonic application to stellate ganglion and physical medicine. Goodman CR.
NY State J Med 71:559-62, 1 Mar 71
Handwriting as an objective test of performance ability. Gwee Ah Leng.
Singapore Med J 11:222-4, Dec 70
[Complications after stellate block] Paulsen K, et al.
HNO 17:52-3, Feb 69 (Ger)
[Ganglion stellatum- and sympathetic nerve block in otorhinolaryngology] Leicher H.
Z Laryngol Rhinol Otol 49:703-33, Nov 70 (210 ref.) (Ger)
[Stellate block in diseases in the area of the upper limb. (Report on 1,600 stellate blocks)] Rauchfuss E, et al.
Zentralbl Chir 96:851-64, 26 Jun 71 (Ger)
[Differential diagnosis of cervico-occipital and brachio-scapular pain syndromes of autonomic and somatic origin] Rudik VP.
Zh Nevropatol Psikhiatr 70:1006-10, 1970 (Rus)

ANALYSIS

[Changes in quantity, structure and several cytochemical characteristics of sympathetic neurons in the stellate ganglia of mice and rats as a consequence of administering to the animals antibodies specific to nerve tissue growth factor] Iarygin VN, et al. Tsitologiia 12:745-53, 1970 (Rus)

CYTOLOGY

[Influence of electric stimulation on the incidence of intranuclear rods of sympathetic neurons. Quantitative study by electron microscopy] Seite R, et al.
C R Acad Sci [D] (Paris) 272:3352-5, 28 Jun 71 (Fre)
[Changes in quantity, structure and several

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cytochemical characteristics of sympathetic neurons in the stellate ganglia of mice and rats as a consequence of administering to the animals antibodies specific to nerve tissue growth factor] Iarygin VN, et al. Tsitologiia 12:745-53, 1970 (Rus)

DRUG EFFECTS

Specific cytotoxic effect of 6-hydroxydopamine on sympathetic neuroblasts. Angeletti PU, et al. Arch Ital Biol 108:213-21, Apr 70

[Electronystagmorgraphic and ophthalmodynamographic findings after anesthetic block of stellate ganglion in patients with vertigo syndromes] Galetti G, et al. Minerva Otorinolaringol 19:75-86, Mar-Apr 69 (Ita)

PATHOLOGY

The effect of anoxia on the ultrastructure of the superior cervical ganglion of the rat in vitro. Rouiller C, et al. Virchows Arch [Zellpathol] 7:269-92, 1971

The effect of hyperoxia on the ultrastructure of the superior cervical ganglion of the rat in vitro. Rufener C, et al. Virchows Arch [Zellpathol] 7:293-308, 1971

PHYSIOLOGY

Cardiovascular responses to hypothalamic, spinal cord and stellate ganglion stimulation. Kim KS, et al. Cardiology 55:164-77, 1970

The effect of prolonged depolarization on synaptic transfer in the stellate ganglion of the squid. Katz B, et al. J Physiol (Lond) 216:503-12, Jul 71

[Experimental studies on the behavior of Microphonic potentials after stellate blocking. I. Microphonic potentials after stellate blocking in the healthy ear] Kleinfeldt D, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 190:124-32, 1968 (Ger)

[Spinal sympathetic control of cardiac functions] Malliani A. Atti Accad Fisiocrit Siena [Med Fis] 17:1347-67, 1968 (Ita)

[The influence of the cardiac nerves on coronary vessel tonus] Aronova GN, et al. Biull Eksp Biol Med 65:16-20, Apr 68 (Rus)

SURGERY

Mycotic aneurysm of the left subclavian and vertebral arteries. A complication of cervicothoracic sympathectomy. Flye MW, et al. Am J Surg 122:427-9, Sep 71

STEPHANURUS DENTATUS INFECTION see under

NEMATODE INFECTIONS (C1)

STEREOTAXIC TECHNICS (E4, E5)

see also related
BRAIN MAPPING (E5)

Rapid method for implantation of brain electrodes. Dymond AM, et al. Aerosp Med 41:1421-2, Dec 70

Improvement in stereotaxic accuracy through the use of special x-rays. Pickering SG. Arch Ital Biol 109:75-9, Apr 71

Bi-frontal stereotactic tractotomy. A follow-up study of its effects on 210 patients. Ström-Olsen R, et al. Br J Psychiatry 118:141-54, Feb 71

Improvement and disturbance of short-term verbal memory with human ventrolateral thalamic stimulation. Ojemann GA, et al. Brain 94:225-40, 1971

Tissue impedance along probe trajectories in thalamotomy. Aguilar JA, et al. Confin Neurol 32:255-62, 1970

Thalamotomy in hyperactive and aggressive behavior. Andy OJ. Confin Neurol 32:322-5, 1970

Stereotaxic amygdalotomy in behavior disorders. Balasubramaniam V, et al. Confin Neurol 32:367-73, 1970

EEG depth leads during stereotaxic brain surgery. A report on 117 cases (5 target points, effects of 13 different drugs). Diemath HE, et al. Confin Neurol 32:263-71, 1970

Stereotactic treatment for the alleviation of intractable pain. Reassessements and limitations. Fairman D. Confin Neurol 32:341-4, 1970

Subthalamotomy in Parkinson's disease. Hullay J, et al. Confin Neurol 32:345-8, 1970

Forel-H-tomy for the treatment of epilepsy. Jinnai D, et al. Confin Neurol 32:307-15, 1970

Threshold stimulation of a human thalamic-subthalamic target area before and after electrocoagulation. Johansson GG, et al. Confin Neurol 32:272-5, 1970

Recording of somato-sensory evoked potentials during mesencephalotomy for intractable pain. Liberson WT, et al. Confin Neurol 32:185-94, 1970

Epileptic seizures and the stereotaxic amygdalotomy. Narabayashi H, et al. Confin Neurol 32:289-97, 1970

A method for visualizing the entire third ventricle. Nugent GR, et al. Confin Neurol 32:223-8, 1970

Calculation of position of electrode point during penetration in human brain. Peluso F, et al. Confin Neurol 32:213-8, 1970

Stereotaxic thalamotomy (lamella medialis) in aggressive psychiatric patients. Poblete M, et al. Confin Neurol 32:326-31, 1970

Stereotaxic ablation of the irritable focus in temporal lobe epilepsy. Ramamurthi B, et al. Confin Neurol 32:316-21, 1970

The variability of the position and somatotopic relation of the nucleus ventro-oralis thalami. Rümler B. et al. Confin Neurol 32:219-22, 1970

Functional anatomy of the dentate nucleus in the light of stereotaxic operations. Siegfried J, et al. Confin Neurol 32:1-10, 1970

Intracranial measurements for stereotactic surgery. Slaughter DG, et al. Confin Neurol 32:250-4, 1970

The use of a shadowgraph for stereotactic surgery. Voris HC, et al. Confin Neurol 32:229-34, 1970

Intracranial resistance measurements. Riemer W. Exp Neurol 29:76-83, Oct 70

Use of microscope as a stereotaxic instrument for rat: some modifications. Simhadri P. Indian J Med Res 59:467-71, Mar 71

Zeroing of microelectrodes to targets within the brain. Bium B. Isr J Med Sci 7:322-3, Feb 71

Application of stereologic methods to stratified gingival epithelia. Schroeder HE, et al. J Microsc 92:179-96, 1970

Stereotaxic treatment of pain. Grood MP de. J Neurol Neurosurg Psychiatry 34:106-7, Feb 71

Neurosurgery in cerebral palsy. Laitinen LV. J Neurol Neurosurg Psychiatry 33:513-8, Aug 70

Neurosurgical treatment of Parkinson's disease. Marcus AJ, et al. J Neurosurg Nurs 2:41-50, Jul 70

The marking of electrode tip positions in nervous tissue. Hellon RF. J Physiol (Lond) 214:12P, Apr 71

A simple device for blocking cat brains in the Horsley-Clarke coronal plane. Papaioannou J. J Physiol (Lond) 210:77P-79P, Sep 70

Computer calculation of two target trajectory during stereotaxic surgery. Peluso FP, et al. Med Biol Eng 8:91-4, Jan 70

Stereotactic thrombosis of intracranial aneurysms. Aiksne JF. N Engl J Med 284:171-4, 28 Jan 71

Stereoencephaloscopy. (A new microsurgical examination and intervention by means of the stereotaxic endoscopy). Iizuka J. Neurocirugia 28:3-12, Jan-Jun 70

Sedative neurosurgery. Balasubramaniam V, et al. Neurol India 18:Suppl 1:46-52, Dec 70

Stereotaxic surgery for generalised epilepsy. Kalanaraman S, et al. Neurol India 18:Suppl 1:34-41, Dec 70

Two machine stereotaxy. Kalyanaraman S, et al. Neurol India 18:Suppl 1:53-5, Dec 70

Stereotaxic surgery in cerebral palsy--a study of 57 cases. Kanaka TS, et al. Neurol India 18:Suppl 1:56-9, Dec 70

Stereotactic surgery in temporal lobe epilepsy. Ramamurthi B. Neurol India 18:Suppl 1:42-5, Dec 70

Stereotactic localization of a facial foreign body. Case report. Horton CE, et al. Plast Reconstr Surg 47:598-9, Jun 71

Improvement of the technique of stereotaxic brain operations by the method of Guiot-Gillingham. Wincentowicz Z, et al. Pol Med J 8:919-24, 1969

The type of lesion produced in stereotactic operations. Walder HA, et al. Psychiatr Neurol Neurochir 73:353-64, Sep-Oct 70

Some radiographic problems encountered in stereotactic surgery. Dawson BH, et al. Radiography 37:131-9, Jun 71

A stereotaxic method for repeated sessions of central unit recording in the paralyzed or moving animal. Lamarre Y, et al. Rev Can Biol 29:371-6, Dec 70

Stereotaxic realignment of the dislocated cervical spine. McFadden JT. Surg Gynecol Obstet 133:262-4, Aug 71

Cervical spinal cord and dentate delineation in percutaneous radiofrequency cordotomy at the level of the first to second cervical vertebrae. Onofrio BM. Surg Gynecol Obstet 133:30-4, Jul 71

Further studies on the stereotaxic thalamotomy for pain relief. Yoshii N, et al. Tohoku J Exp Med 102:225-32, Nov 70

Electroanatomy of the thalamic ventro-oral nucleus based on stereotaxic stimulation in man. Schaltenbrand G, et al. Z Neurol 199:259-76, 1971

[Report on the 4th International Stereotaxic Symposium in New York] Vladyka V. Cesk Neurol 33:277-80, Sep 70 (Cze)

[Stereotaxic contributions to the physiology and physiopathology of the human thalamus] Gybels J, et al. Acta Neurol Belg 70:795-832, 1970 (Fre)

[Reconstruction in perspective by photomounting of experimental brain lesions] Sibleyras P, et al. C R Soc Biol (Paris) 164:1587-9, 1970 (Fre)

[Kojewnikow syndrome and somato-motor attacks (clinical, E.E.G., E.M.G. and S.E.E.G. study)] Bancaud J, et al. Encephale 59:391-438, Sep-Oct 70 (Fre)

[Stereotaxic surgery of the dentate nucleus in treatment of hyperkinesia and spastic conditions] Krayenbühl H, et al. Neurochirurgie 15:51-8, Jan-Feb 69 (Fre)

[Stereotaxic stimulation of the diencephalic nystagmogenic area and quantification of the nystagmic response] Huguenin S, et al. Rev Laryngol Otol Rhinol (Bord) 91:807-13, Nov 70 (Fre)

[Stereotaxic treatment of tics and inarticulate cries or coprolalia considered as motor obsessional phenomena in Gilles de la Tourette's disease] Hassler R, et al. Rev Neurol (Paris) 123:89-100, Aug 70 (Fre)

[Postanoxic-action and intention myoclonus. Stereotaxic study and destruction of the lateral ventral nucleus of the thalamus] Lhermitte F, et al. Rev Neurol (Paris) 124:5-20, Jan 71 (Fre)

[Epileptic crises of occipital origin (stereo-electroencephalographic study)] Bancaud J. Rev Otoneuroophtalmol 41:299-314, Sep-Oct 69 (Fre)

[Selective ventriculography in stereotaxic surgery] Kim YK, et al. Dtsch Med Wochenschr 95:2311-4, 30 Oct 70 (Ger)

[Stereotaxic treatment of torticollis according to animal experiment experiences about direction determined movement] Hassler R, et al. Nervenarzt 41:437-87, Oct 70 (Ger)

[Observations and considerations in stereotaxic brain operations] Nittner K. Zentralbl Neurochir 31:213-30, 1970 (Ger)

[Anesthesiological problems in stereotaxic surgery of Parkinson's disease] Gianasi GC, et al. Acta Anaesthesiol (Padova) 20:1003-12, Nov-Dec 69 (Ita)

[Closed coagulation of deep seated nervous structures] Briani S, et al. Minerva Neurochir 13:53-6, 1969 (Ita)

[Positive pressure pneumoventriculography for stereotaxic surgery] Kuramoto S, et al. Brain Nerve (Tokyo) 22:1017-24, Sep 70 (Jap)

[Effects of L-dopa and stereotaxic surgery in Parkinsonism] Sugita K, et al. Brain Nerve (Tokyo) 22:1103-8, Sep 70 (Jap)

[Clinical results of stereotaxic thalamotomy for the relief of pain] Sugita K, et al. Saishin Igaku 26:915-20, May 71 (Jap)

[Present status and future problems of stereoencephalotomy] Narabayashi H. Shujutsu 25:859-64, Jul 71 (Jap)

[Streoenchephalotomy in parkinsonism: late result of pneumotaxic method] Matsumoto K, et al. Surg Ther (Osaka) 24:245-52, Mar 71 (Jap)

[Results of stereotaxic therapy of choreoathetosis and torsion dystonia] Mempel E, et al. Neurol Neurochir Pol 5:17-22, 1971 (Pol)

[Treatment of intention tremor with the stereotaxic method] Mempel E. Neurol Neurochir Pol 5:23-8, 1971 (Pol)

[Stereotaxic methods in neurosurgery] Mempel E. Neurol Neurochir Pol 5:1-9, 1971 (Pol)

[Delayed results of stereotaxic treatment of Parkinsonian syndrome] Mempel E, et al. Neurol Neurochir Pol 5:11-5, 1971 (Pol)

[Electroencephalographic changes in patients with extrapyramidal syndromes prior to and following stereotaxic surgery] Stadnicki R, et al. Neurol Neurochir Pol 5:55-61, 1971 (Pol)

[Value of stereotaxic methods in neurosurgery. (Summing-up of the conference)] Stepień L. Neurol Neurochir Pol 5:91-3, 1971 (Pol)

[Intracranial hemorrhage as complications of stereotaxic operations] Zaraki S, et al. Neurol Neurochir Pol 5:29-35, 1971 (Pol)

[Determination of the boundaries of the temporal fossa and the variability of its dimensions] Alliakparov MT. Arkh Anat Gistol Embriol 59:71-80, 1970 (Rus)

[The neuronal activity of the human brain] Raeva SN. Fiziol Zh SSSR 56:1104-10, Aug 70 (Rus)

[Method of stage-by-stage sectioning of the interhemispherical commissures in chronic experiments on cats] Samadashvili ZV. Fiziol Zh SSSR 56:1299-301, Sep 70 (Rus)

[A graphic method of determining stereotaxic coordinates for inserting electrodes at an angle] Saradzhev NK. Fiziol Zh SSSR 56:439-42, Mar 70 (Rus)

[Experience with the microelectrode method in neurosurgical clinical practice during single-stage stereotaxic surgery for parkinsonism] Arutiunov AI, et al. Vopr Neirokhir 34:12-8, Nov-Dec 70 (Rus)

[Individual anatomic differences in various subcortical brain formations of use in stereoencephalotomy] Margorin EM. Vopr Neirokhir 34:3-6, May-Jun 70 (Rus)

[Polarographic determination of oxygen tension in the deep structures of the temporal lobe during stereotaxic surgery in epilepsy] Shefer DG, et al. Vopr Neirokhir 34:20-5, Jul-Aug 70 (Rus)

[Stereotaxic orientation of the heads of chinchilla rabbits at various periods during their postnatal ontogenesis] Deribin LN. Zh Vyssh Nerv Deiat 19:723-9, Jul-Aug 69 (Rus)

[Stereotaxic coordinates for the brain stem structures of one-month-old kittens] Gladkovich NG, et al. Zh Vyssh Nerv Deiat 21:613-9, 1971 (Rus)

[Stereotaxic brain maps of young rabbits] Volokhov AA, et al. Zh Vyssh Nerv Deiat 16:145-84, Jan-Feb 66 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Stereotaxic trans-sphenoideal cryohypophysectomy] Pagani LF. An Cir (Rosario) 35:17-22, Jan-Jun 70 (Spa)
[Medial thalamic lesions in persistent painful syndromes (our current experience)] Arjona V, et al. Arch Neurobiol (Madr) 34:245-54, May-Jun 71 (Spa)
[Stereotaxic surgery in the treatment of dyskinesias] Botana López C.
Rev Esp Otoneurooftalmol Neurocir 28:153-68, 1969-70 (Spa)
[Position of psychostereotaxis in the therapy of mental disorders in Slovakia] Pogády J, et al.
Bratisl Lek Listy 56:92-5, 1971 (Slo)

ADVERSE EFFECTS

Akinesis following stereotactic surgery for Parkinsonism. The use of L-dopa. Ahmad R, et al.
Confin Neurol 32:128-34, 1970
Olfactory hallucinations evoked from stimulation of human thalamus. Nashold BS, et al.
Confin Neurol 32:298-306, 1970
Paramedial cerebellar nuclear lesions. Zervas NT.
Confin Neurol 32:114-7, 1970
Modification of secondary spread of thermal injury in the central nervous system with systemic hypothermia. Sutton CH, et al.
Trans Am Neurol Assoc 95:316-7, 1970
[Speech disturbances in Parkinsonian syndromes after stereotaxic operations] Pilipowska T, et al.
Neurol Neurochir Pol 5:37-41, 1971 (Pol)

INSTRUMENTATION

Stereotaxic localization of extracranial foreign bodies in the head. McFadden JT, et al.
Am Surg 37:353-6, Jun 71
Presentation of a stereotaxic frame designed for the simultaneous introduction of two or more stereotaxic tools. Dondey M. Confin Neurol 32:235-44, 1970
A simple device for moving an electrically driven micro-manipulator. Blau D.
Electroencephalogr Clin Neurophysiol 30:465, May 71
Technical contribution. A connector skull cap for neurophysiological studies. Kloprogge MJ.
Electroencephalogr Clin Neurophysiol 31:282-3, Sep 71
A technique for recording the impulse activity of four adjacent neurones in the brain. Radil-Weiss T, et al.
Electroencephalogr Clin Neurophysiol 30:571-4, Jun 71
[Stereotaxic headholder for immature and adult animals] Kriukov GB.
Biull Eksp Biol Med 70:122-3, Aug 70 (Rus)
[A method of recording cat cerebral cortex neuron activity in a chronic experiment] Fanardzhian VV, et al. Fiziol Zh SSSR 56:1060-2, 1970 (Rus)
[Further improvements in an instrument for local freezing of subcortical structures in stereotaxic surgery] Shal'nikov AI, et al.
Vopr Neirokhir 34:51-2, May-Jun 70 (Rus)

MORTALITY

[Clinico-morphological analysis of patients who passed away following stereotaxic operations] Dietrich-Rap Z, et al. Neurol Neurochir Pol 5:43-8, 1971 (Pol)

STANDARDS

[Target reliability of stereotaxic probe localization in deep-seated brain structures] Mundinger F, et al.
Dtsch Med Wochenschr 95:2224-6 passim, 30 Oct 70 (Ger)

STERILE CENTRAL SUPPLY see under HOSPITAL

CENTRAL SUPPLY (N2)

STERILITY (C6)

The role of professionals in working with unwed mothers and childless couples. Mary Clare Sister.
Alaska Med 13:98-101, Jul 71
Sterilizing activity of bis(1-aziridinyl)phosphine oxides and sulfides in male house flies. Chang SC, et al.
J Econ Entomol 63:1744-6, Dec 70
Antifertility effects of inorganic iodine in screw-worm flies. Crystal MM. J Econ Entomol 63:1851-3, Dec 70
Metabolism of nucleic acids and proteins of normal and chemosterilized house flies during oögenesis and embryogenesis. Gadallah AI, et al.
J Econ Entomol 63:1777-83, Dec 70
Effect of the chemosterilant P,P'-bis(1-aziridinyl)-N-(3-methoxypropyl)-phosphinothioic acid on ribosomal RNA and ribosomal protein in the eggs of house flies. Gadallah AI, et al.
J Econ Entomol 64:371-4, Apr 71
Some behavioral effects of metepa and tretamine on Drosophila melanogaster. Gadallah AI, et al.
J Econ Entomol 64:432-6, Apr 71
Chemosterilant effects of metepa and tretamine on larvae, pupae, and adults of Drosophila melanogaster. Gadallah AI, et al. J Econ Entomol 64:391-5, Apr 71
Sterilization of Hippelates pusio with tepa and metepa. Williams DF, et al. J Econ Entomol 64:448-50, Apr 71
Effects of sub-lethal high temperature on an insect, Rhodnius prolixus (Stål.). IV. Egg formation, oviposition and sterility. Okasha AY, et al.
J Exp Biol 53:25-36, Aug 70
Compounds related to insect juvenile hormone. V. Derivatives of citronellol and citronellylamine. Sonnet PE, et al. J Med Chem 13:1247-8, Nov 70
The infertile couple. Gunn AD.
Nurs Times 67:5-6, 7 Jan 71
Importance of marriage counseling to infertility investigation. Farrer-Meschan R.
Obstet Gynecol 38:316-25, Aug 71
[Transplantation of gonads in the study of the determinism of sterility in intergeneric duck hybrids] Gomot L. Annee Biol 9:509-17, Jul-Oct 70 (Fre)
[Trials to induce resistance thio-tepa in Musca domestica L. species] Combiescu I, et al.
Arch Roum Pathol Exp Microbiol 29:295-8, Mar-Jun 70 (Fre)
[Effect of administration of thio-tepa and apholate on the longevity of adult Musca domestica L.] Enescu A, et al.
Arch Roum Pathol Exp Microbiol 29:289-93, Mar-Jun 70 (Fre)
[Psychology of the sterile couple] Burthiault R.
Rev Lyon Med 19:Suppl:21-6, 1970 (Fre)
[Diagnosis of male and female factors as causes of sterility. Their evaluation for prognosis and treatment] Fikentscher R.
Munch Med Wochenschr 112:1671-81, 18 Sep 70 (Ger)
[Some calculations of the effectiveness of release of sterile insects] Vronskikh MD.
Zh Obshch Biol 32:287-98, May-Jun 71 (Rus)

CHEMICALLY INDUCED

Use of polynucleotides with seminal antigens to induce isoantibodies and infertility in rabbits. Menge AC.
Proc Soc Exp Biol Med 135:108-12, Oct 70
[Teratogenic and sterilizing action of synergistic pyrethrines on the chick embryo] Lutz-Ostertag Y, et al. C R Soc Biol (Paris) 164:777-9, 1970 (Fre)

DRUG THERAPY

Fertility drugs. Foss GL.
Practitioner 205:44-50, Jul 70 (22 ref.)

ETIOLOGY

Lymphocyte reaction in mixed wife-husband leukocyte cultures in relation to infertility. Oama K, et al.
Am J Obstet Gynecol 109:477-9, 1 Feb 71
Cytogenetic studies in reproductive failure. Stenchever MA, et al. Obstet Gynecol 37:83-9, Jan 71
[Condition and prospects of research in matrimonial infertility] Vojta M. Cesk Gynekol 36:7-9, Feb 71 (Cze)

FAMILIAL & GENETIC

Inherited semisterility for control of harmful insects. I. Productions of semisterility due to translocation in the mosquito, Culex pipiens L., by X-rays. Laven H, et al. Experientia 27:471-3, 15 Apr 71
[Cytogenetic studies in the gynecological field. 2. Cytogenetic studies on primary sterility. Kondo H. Nagoya Med J 16:93-103, Nov 70
[Clinical and genetic aspects of fertility disorders of chromosomal origin] Goebel KM, et al.
Cah Med 12:191-7, 28 Feb 71 (Fre)
[Clinical and genetic findings in chromosomal fertility disorders] Goebel KM, et al.
Munch Med Wochenschr 112:2312-8, 18 Dec 70 (Ger)
[Clinical and genetic aspects of fertility disorders of chromosome origin] Goebel KM, et al.
Minerva Med 61:5769-75, 15 Dec 70 (Ita)
[Chromosomal study in gyneco-obstetrical field. Chromosomal study of sterility and congenital anomalies] Tsunotani T.
J Jap Obstet Gynecol Soc 22:833-42, Aug 70 (Jap)

IMMUNOLOGY

Immunofluorescent studies on human spermatozoa. II. Characterization of spermatozoal antigens and their occurrence in spermatozoa from the male partners of infertile couples. Hansen KB, et al.
Clin Exp Immunol 9:21-31, Jul 71
Antigenicity and autoimmunity in sexual reproduction: a review. Shulman S.
Clin Exp Immunol 9:267-88, Sep 71 (176 ref.)
Sperm antibodies in infertile couples. Ansbacher R, et al. Fertil Steril 22:298-302, May 71
Spermatotoxicity of immune sera in human infertility. Manarang-Pangan S, et al.
Fertil Steril 22:145-51, Mar 71
Sperm-immobilizing and agglutinating antibodies in the serum of infertile women. Vaidya RA, et al.
Obstet Gynecol 37:546-9, Apr 71
[Immunologic sterility]
Annee Endocrinol 23:56-62, 1971 (Fre)
[Immunologic aspects of sterility] Samim F.
Bull Fed Soc Gynecol Obstet Lang Fr 21:244-9, Jun-Aug 69 (Fre)
[Importance of immunological phenomena in sterility] Matte J. Union Med Can 99:2252-3, Dec 70 (Fre)

SURGERY

Reconstructive surgery for infertility at the Boston Hospital for Women. Young PE, et al.
Am J Obstet Gynecol 108:1092-7, 1 Dec 70

THERAPY

[Various experience from a consulting clinic for childless marriages] Kohoutek M.
Cesk Gynekol 35:467-8, Oct 70 (Cze)
[Is there a place for treatment of involuntary conjugal sterility in the prenatal policy of France?] Varangot J.
Bull Acad Natl Med (Paris) 155:10-5, 5-12 Jan 71 (Fre)
[The childless marriage. The basic approach to consultation and treatment] Fikentscher R.
Munch Med Wochenschr 112:1579-85, 4 Sep 70 (Ger)

VETERINARY

Fertility, animal health and education. Laing JA.
Aust Vet J 47:61-6, Feb 71
Genetic collapse of insect populations. 1. Extinction of inbred and outbred lines in laboratory populations of the sugarcane borer. Walker DW, et al.
J Econ Entomol 64:660-7, Jun 71
[The antifertile effect of luzerne-feeding] Chury J.
Dtsch Tieraerztl Wochenschr 76:174-6, 1 Apr 69 (Ger)
[Review: clinical manifestations and fertility disorders in domestic animals after intake of estrogen-containing forage plants] Grunert E, et al.
Dtsch Tieraerztl Wochenschr 78:63-6, 1 Feb 71 (71 ref.) (Ger)
[Diagnosis and therapy of cattle herd sterility] Wettke K, et al.
Dtsch Tieraerztl Wochenschr 78:437-41, 15 Aug 71 (Ger)

STERILITY, FEMALE (C6)

[Artificial induction of ovulation. I. Use of gonadotropins of human origin] Albeaux-Fernet M, et al. Annee Endocrinol 22:152-62, 1970 (Fre)
[Artificial induction of ovulation. II. Use of clomiphene] Albeaux-Fernet M, et al.
Annee Endocrinol 22:163-73, 1970 (Fre)
[Peripuberal gynecologic pathology in its relations with fecundity and sterility. Results of an inquiry] Debiasi E. Gynecol Prat 22:29-48, 1971 (Fre)
[Involuntary sterility] Rioux JE.
Laval Med 41:331-5, Mar 70 (Fre)
[Sterility in female smokers and nonsmokers] Dráč P, et al. Zentralbl Gynaekol 92:865-6, 4 Jul 70 (Ger)
[A "religious factor" sterility in orthodox Jewish women] Toaff R. Harefuah 78:162-5, 15 Feb 70 (Heb)

BLOOD

[Blood serum analyses in cow herds with fertility disturbances] Schmidt B, et al.
Dtsch Tieraerztl Wochenschr 78:237-9, 15 Apr 71 (Ger)

CHEMICALLY INDUCED

Studies on the minimal exposure time for androgen to evoke sterility in female rats. Alkiint T, et al.
Acta Physiol Scand 80:5A, Dec 70
Post-pill and pill-related amenorrhea-galactorrhea. Gambrell RD Jr, et al.
Am J Obstet Gynecol 110:838-48, 15 Jul 71
Effect of estrogen and anti-estrogen on reproductive function in neonatally androgenized female rats. Napoli AM, et al. Endocrinology 87:1330-7, Dec 70
A possible process of the secondary sterilization: delayed anovulation syndrome. Arai Y.
Experientia 27:463-4, 15 Apr 71
Effect of cadmium chloride on the ovary of the Indian desert gerbil, Meriones hurrianae Jerdon. Kaul DK, et al. Indian J Exp Biol 8:171-3, Jul 70
Amenorrhea and infertility after oral contraception. Goldman SR, et al. J Med Assoc Ga 60:252-6, Jul 71
Compounds exhibiting prolonged antioestrogenic and antifertility activity in mice and rats. Emmens CW.
J Reprod Fertil 26:175-82, Aug 71
[Iatrogenic endometrial damage. Case report] Martínez JT, et al.
Rev Obstet Ginecol Venez 30:425-34, 1970 (Spa)
[Some data on the condition of sexual function of women, working in contact with chlororganic chemicals] Veis VP.
Pediatr Akush Ginekol 1:48-9, Jan-Feb 70 (Ukr)

COMPLICATIONS

Microphthalmia, prolactin and fertility in rats. Browman LG. J Reprod Fertil 24:353-60, Mar 71
Amenorrhoea and infertility. Stallworthy J.
Practitioner 206:668, May 71
[XXX syndrome in primary sterility associated with vagina subsepta and uterus septus] Blažek M, et al.
Cesk Gynekol 35:407-9, Sep 70 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DIAGNOSIS

Laparoscopy: advances and advantages. Golditch IM. Fertil Steril 22:306-10, May 71

[Study of anuvulatory menstrual cycles in steril women by vaginal smears] Durvenlashki Kh. Akush Ginekol (Sofiia) 9:152-9, 1970 (Bul)

[On about 100 cases of celioscopy] Gaudefroy M, et al. J Sci Med Lille 86:607-11, Oct 68 (Fre)

[Synopsis of peripheric ovulation criteria correlated to the endocrine spectrum] Lübke F. Arch Gynaekol 211:222-4, 4 Jun 71 (Ger)

[Diagnosis of the insufficient corpus luteluteann phase using endometrial biopsy, pregnanediol series analysis and basal temperature measurement] Friedrich F, et al. Z Geburtshilfe Gynaekol 175:27-43, Aug 71 (Ger)

[Histochemical carbohydrate studies on the endometrium of sterile women] Ruckhäberle KE, et al. Zentralbl Gynaekol 93:809-15, 12 Jun 71 (Ger)

[Hysterosalpingography in undetected early pregnancy. Case with favorable evolution] Gerli M, et al. Minerva Ginecol 21:1219-22, 30 Sep 69 (Ita)

[Cervical mucus in hormnnal diagnosis, in sterility diagnosis and in the diagnosis and control of pregnancy] Celia P. Quad Clin Ostet Ginecol 24:337-45, May 69 (Ita)

[Attempt at determining the state of the Fallopian tubes on the descending route by using the Au-198 method] Gromadzki W, et al. Ginekol Pol 42:107-15, 1971 (Pol)

[Chromoscopy as a method for determining the status of the tubae uterine in surgery for sterility] Aleksandrov EK. Akush Ginekol (Mosk) 46:75, Oct 70 (Rus)

DRUG THERAPY

Pathophysiology of reproductive failure after clomiphene-induced ovulation. Jones GS, et al. Am J Obstet Gynecol 108:847-67, 15 Nov 70

Quinestrol therapy in hypomucorrhea due to clomiphene. Sharf M, et al. Am J Obstet Gynecol 110:423-4, 1 Jun 71

New synthetic agent for the induction of ovulation: preliminary trials in women. Klopper A, et al. Br Med J 1:152-4, 16 Jan 71

Regulation of disorders of the menstrual cycle with special reference to sterility. Lunenfeld B. Bull Schweiz Akad Med Wiss 25:512-6, Oct 70

Clinical uses of progestational agents in the endocrine department of Chelsea Hospital for Women. Osmond-Clarke F. Bull Schweiz Akad Med Wiss 25:522-5, Oct 70

The use of Ro 4-8347 in amenorrhea and anovulation. Polishuk WZ, et al. Bull Schweiz Akad Med Wiss 25:565-74, Oct 70

Induction of ovulation with sexual steroids. Staemmler HJ, et al. Bull Schweiz Akad Med Wiss 25:560-4, Oct 70

Induction of ovulation with clomiphene citrate. Borrull-Sibina J, et al. Bull Soc R Belge Gynecol Obstet 39:311-6, Jul-Aug 69

The treatment of anovulatory infertility. Friedman S. Calif Med 113:41, Dec 70

Human pituitary gonadotropin in the treatment of female sterility. A clinical trial of a Danish preparation from human pituitary glands. Larsen JF, et al. Dan Med Bull 17:233-7, Oct 70

Induction of ovulation with human menopausal gonadotropin: the effect of prior treatment with estrogen. Logan GG, et al. Fertil Steril 21:774-83, Nov 70

Results of human menopausal gonadotropins (HMG). Therapy for anovulatory infertility using a nonvariable treatment schedule: comparison with previous reports. Marshall JR, et al. Fertil Steril 22:19-25, Jan 71

Estrogen monitoring in ovulation induction. Taymor ML, et al. Fertil Steril 21:750-62, Nov 70

Pergonal (menotropins): a summary of clinical experience in the induction of ovulation and pregnancy. Thompson CR, et al. Fertil Steril 21:844-53, Dec 70

Treatment of anovulation in the Stein-Leventhal syndrome. Analysis of 90 cases. Zárate A, et al. Fertil Steril 22:188-93, Mar 71

Selection of patients for treatment with human gonadotrophins. Sutaria UD, et al. Int J Fertil 16:42-6, Jan-Mar 71

Outcome of pregnancy after induced ovulation. Follow-up of pregnancies and children born after gonadotropin therapy. Hack M, et al. JAMA 211:791-7, 2 Feb 70

Induced fertility. JAMA 211:820, 2 Feb 70

Clomiphene citrate in Asian women. Ken TP, et al. Med J Malaya 24:297-9, Jun 70

Combined therapy with quinestrol and clomiphene in functional sterility. Sharf M, et al. Obstet Gynecol 37:260-6, Feb 71

[Hormonal changes in endocrinopathies following clomid therapy] Budňaská B, et al. Cesk Gynekol 35:585-8, Dec 70 (Cze)

[Therapy of anovulatory cycles using Clomide in sterile women] Kučera E, et al. Cesk Gynekol 35:404-7, Sep 70 (Cze)

[1st information on the clinical use of hypothalamic hormones in gynecology] Presl J. Cesk Gynekol 35:502-3, Oct 70 (Cze)

[Problems regarding the dosage of HMG-HCG in anovulation] Starup J, et al. Nord Med 85:66, 14 Jan 71 (Dan)

[The treatment of anovulation with cyclophenyl (bis(p-acetoxy-phenyl)-cyclohexylidenemethane, compound F 6066 or Sexovid) as compared with clomiphene] Bennen J, et al. Ned Tijdschr Geneeskd 114:1770-4, 24 Oct 70 (Dut)

[Our experience with Cyclofenil in the stimulation of ovulation] Bernard I, et al. Bord Med 3:2717-20 passim, Nov 70 (Fre)

[Comparative study of the treatment of ovulation disorders by gonadotropins of human origin and by clomiphene] Bernard I, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:482-5, 1968 (Fre)

[Urinary steroids in hormonal hyperstimulation induced by human gonadotropins (H.G.–H.C.G.)] Bernard I. Bull Fed Soc Gynecol Obstet Lang Fr 21:412-6, Sep-Oct 69 (Fre)

[Outcome of a pregnancy made possible by the use of human gonadotropin] Dellestable P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:473-6, Nov-Dec 68 (Fre)

[2 cases of pregnancy obtained by an inductor of ovulation (Clomid)] Mathieu J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:433-4, Sep-Oct 69 (Fre)

[Our experience with human gonadotropins in treatment of sterility due to anovulation] Mathieu J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:434-6, Sep-Oct 69 (Fre)

[63 cases of sterility with corpus luteum estrogen deficiency treated with clomiphene citrate] Pasquier F, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:399-409, Sep-Oct 69 (Fre)

[Physiology and disorders of the ovulation (103 cycles treated with crescendo method)] Seguy B. Bull Fed Soc Gynecol Obstet Lang Fr 22:157-69, Apr-May 70 (Fre)

[Our first results of treatment of anovulatory sterility with HMG] Serment H, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:185-6, Apr-May 69 (Fre)

[Our experience with cyclofenil in the stimulation of ovulation] Bernard I, et al. Gynecol Obstet (Paris) 70:207-14, Mar-Apr 71 (Fre)

[Induction of ovulation by clomiphene (73 treated cycles)] Ghnassia JP, et al. Gynecol Obstet (Paris) 68:41-9, Jan-Mar 69 (Fre)

[Clinical and biochemical study of 37 cases of endocrine sterility, with corpus luteum estrogenic deficiency in Jayle's dynamic test, treated by HMG-O in the preovulation phase] Palmer R, et al. Gynecol Obstet (Paris) 68:51-8, Jan-Mar 69 (Fre)

[On 75 cases of tubal sterility treated with perfusions] Gaudefroy M, et al. J Sci Med Lille 86:569-79, Oct 68 (Fre)

[Sequential therapy in menstruation disorders] Gaudefroy M, et al. J Sci Med Lille 86:581-606, Oct 68 (Fre)

[Present indications of various ovulation inducers in the treatment of infertility] Erny R, et al. Rev Fr Gynecol Obstet 66:217-29, Apr 71 (Fre)

[What may be expected from hydrotubations in treatment of tubal sterility (critical examination and results obtained in 108 cases)] Serment H, et al. Rev Fr Gynecol Obstet 64:497-508, Oct 69 (Fre)

[Induction of ovulation with human gonadotropins, HMG-HCG] Millet D, et al. Rev Med Liege 26:1-12, 1 Jan 71 (Fre)

[A new anti-inflammatory enzyme active by the oral route as supplementary treatment in gynecology] Bernard I. Sem Ther 44:242-5, Apr 68 (Fre)

[Clinical observations with HCG-induced pseudopregnancies] Geiger W, et al. Arch Gynaekol 210:29-38, 27 Apr 71 (Ger)

[Indications for progestational therapy] Bayer R. Bull Schweiz Akad Med Wiss 25:575-80, Oct 70 (Ger)

[Personal experiences with retrosteroid Ro 4-8347 in endocrine sterility] Dapunt O. Bull Schweiz Akad Med Wiss 25:481-9, Oct 70 (Ger)

[Treatment of endocrine sterility with retroprogesterone Ro 4-8347] Stamm O, et al. Bull Schweiz Akad Med Wiss 25:472-80, Oct 70 (Ger)

[Further clinical experiences in the treatment of monophasic cycle anomalies with clomiphene (Dynexic)] Zander J, et al. Geburtshilfe Frauenheilkd 30:493-504, Jun 70 (Ger)

[Experience with Pergonal and Clomid] Lutziger H. Gynaecologia 168:439-42, 1969 (Ger)

[Therapeutic results with the retrosteroid "Ro 4-8347" in endocrine sterility] Dapunt O, et al. Wien Klin Wochenschr 82:58-65, 23 Jan 70 (Ger)

[Acute abdomen following gonadotropin therapy] Groot-Wassink K. Zentralbl Gynaekol 92:449-56, 11 Apr 70 (Ger)

[Course of pregnancy after ovarian stimulation with gonadotropin] Groot-Wassink K. Zentralbl Gynaekol 92:417-9, 4 Apr 70 (Ger)

[Interesting case of lyndiol-treated primary sterility] Hegyi J, et al. Zentralbl Gynaekol 91:1410-1, 25 Oct 69 (Ger)

[Treatment of anovulatory cycle disorders with clomiphene dihydrogen citrate and chorionic gonadotropins] Jürgensen O, et al. Zentralbl Gynaekol 91:1401-9, 25 Oct 69 (Ger)

[Treatment of ovulatory sterility with clomiphene citrate] Caspi E, et al. Harefuah 77:338-40, 15 Oct 69 (Heb)

[Quinestrol therapy in cervical factor sterility] Graff G, et al. Harefuah 78:341-3, 1 Apr 70 (Heb)

[Assessment of the results of gonadotropin therapy] Insler V, et al. Harefuah 78:173-7, 15 Feb 70 (Heb)

[Colpocytology in evaluation of treatment with human gonadotropins (HMG)] Minucci D, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:883-96, 1968 (Ita)

[Results and considerations of the use of clomiphene in patients with anovulatory cycles] Arezzi Boza E, et al. Minerva Ginecol 21:149-67, 15 Feb 69 (Ita)

[Clinical considerations on 18 cases of pregnancy induced with clomiphene] Camurri M, et al. Minerva Ginecol 22:313-7, 15 Mar 70 (Ita)

[Fertility drugs] Pozzi M. Policlinico [Prat] 78:200-5, 1 Mar 71 (Ita)

[Clinical study of human menopausal gonadotropin therapy and endocrinological activities in patients with ovulation disorders] Shimizu M. J Jap Obstet Gynecol Soc 23:423-31, May 71 (Jap)

[Ovulation induction by HMG] Araya K. Sanfujinka Jissai 20:697-9, Jun 71 (Jap)

[Ovulation induction by HMG—clinical problems] Koi H. Sanfujinka Jissai 20:695-7, Jun 71 (Jap)

[Effective induction of ovulation] Kumasaka T. Sanfujinka Jissai 20:699-701, Jun 71 (Jap)

[Clinical treatment of ovulation induction—information for practitioners] Kushima K, et al. Sanfujinka Jissai 20:46-55, Jan 71 (Jap)

[Induction of ovulation in women with functional sterility by clomiphene (clomiphene citrate)] Baron J, et al. Ginekol Pol 42:335-41, 1971 (Pol)

[Compound conservative treatment of Fallopian tube impatency with reference to modern methods] Giedroyć B, et al. Ginekol Pol 42:73-86, 1971 (Pol)

[Human gonadotropins in the treatment of sterility and amenorrhea] Konopka P. Ginekol Pol 41:1355-63, 1970 (Pol)

[Therapy with pituitary gonadotropins in sterility. Results and complications] Sánchez Corral F, et al. Acta Obstet Ginecol Hisp Lusit 19:123-47, Mar 71 (Spa)

[Ovarian response to gonadotropin stimulation] García Flores RG, et al. Ginecol Obstet Mex 28:59-70, Jul 70 (Spa)

ETIOLOGY

Cervical mucus in cystic fibrosis: a possible cause of infertility. Oppenheimer EA, et al. Am J Obstet Gynecol 108:873-4, 15 Oct 70

Clinical observations on luteal phase inadequacy. Taubert HD, et al. Bull Schweiz Akad Med Wiss 25:586-94, Oct 70

Immunization of human female with human sperm and semen. Otani Y, et al. Int J Fertil 16:19-23, Jan-Mar 71

A case of primary amenorrhea caused by tuberculous endometritis. Anuman-rajadhon Y. J Med Assoc Thai 53:142-7, Feb 70

The possible relationship of appendicitis with perforation in childhood to infertility in women. Thompson WM, et al. J Pediatr Surg 6:458-61, Aug 71

Pernicious anaemia as a cause of infertility. Mahmood A. Lancet 1:753, 10 Apr 71

Luteal phase inadequacy. Its significance in infertility. Murthy YS, et al. Obstet Gynecol 36:758-61, Nov 70

[Appendicitis and female sterility] Tokhin R, et al. Akush Ginekol (Sofiia) 8:426-30, 1969 (Bul)

[Sterility following artificial interruption of 1st pregnancy] Jiratko K, et al. Cesk Gynekol 35:397-8, Sep 70 (Cze)

[Significance of sterility following artificial interruption of pregnancy] Kohoutek M, et al. Cesk Gynekol 35:398-9, Sep 70 (Cze)

[Long-term follow up of secondary sterility following artificial interruption of pregnancy] Kolářová O. Cesk Gynekol 35:399-400, Sep 70 (Cze)

[Myomectomy in sterile women] Macků F, et al. Cesk Gynekol 36:155-7, Apr 71 (Cze)

[Pertubation and uterine activity] Siregar-Emck TW, et al. Ned Tijdschr Geneeskd 114:2191-3, 26 Dec 70 (Dut)

[Abortion and sterility of neuro-endocrine origin] Belaisch J. Ann Endocrinol (Paris) 31:975-7, Sep-Oct 70 (Fre)

[Are there psychologic factors in female sterility?] Denber HC, et al. Ann Med Psychol (Paris) 1:642-50, Apr 69 (Fre)

[Histologic study and prognosis of Fallopian tube

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

lesions in sterility] De Brux J, et al.
Gynecol Obstet (Paris) 68:11-24, Jan-Mar 69 (Fre)
[Recent progress in sterility research] Stucki D.
Praxis 59:1595-601, 17 Nov 70 (Fre)
[Endometrial polyps of the intramural portion of the fallopian tube] Gaudefroy M, et al.
Rev Fr Gynecol Obstet 65:571-8, Oct 70 (Fre)
[Sterility due to dysovulation] Mikaelian S.
Rev Lyon Med 19:Suppl:15-9, 1970 (Fre)
[Sterility of utero-vaginal origin] Mousselon J.
Rev Lyon Med 19:Suppl:7-8, 1970 (Fre)
[Sterility of tubal origin] Rochet Y.
Rev Lyon Med 19:Suppl:9-13, 1970 (Fre)
[Checklist in female sterility] Villedieu P.
Rev Lyon Med 19:Suppl:3-6, 1970 (Fre)
[Obstetrical complications of uterine malformations] Polzat G. Rev Med Liege 25:763-4, 1 Dec 70 (Fre)
[Gynecologic complications of uterine malformations] Tinant G. Rev Med Liege 25:761-3, 1 Dec 70 (Fre)
[Infertility and uterine abnormalities] Umbricht W.
Gynaecologia 168:449-52, 1969 (Ger)
[Corpus luteum deficiency as cause of sterility] Zarro D, et al. Ther Umsch 27:697-708, Oct 70 (Ger)
[Sterility in urogenital trichomoniasis] Schmör J.
Wien Med Wochenschr 120:808-12, 14 Nov 70 (Ger)
[ABO-incompatibility as the cause of barren marriages] Wolfart M, et al.
Zentralbl Gynaekol 93:209-11, 13 Feb 71 (Ger)
[Infibulation and its consequences] Lenzi E, et al.
Riv Ital Ginecol 53:461-70, Jun-Jul 69 (Ita)
[Sclerocystic ovary syndrome and the generative function in women] Beskrovnaia NI.
Akush Ginekol (Mosk) 46:60-2, Mar 70 (Rus)
[Uterine myoma in sterility and infertility] Blanco Sancho R.
Acta Obstet Ginecol Hisp Lusit 19:53-74, Feb 71 (Spa)
[Sterility of immunological origin] Usandizaga JA.
Acta Obstet Ginecol Hisp Lusit 18:101-19, Apr 70 (Spa)
[Endometriosis as a sterility factor] Bravo Sandoval J, et al. Ctr Ctr 39:787-94, Mar-Apr 71 (Spa)
[Infertility caused by cervical-isthmic insufficiency] Pérez Romero L.
Ginecol Obstet Mex 29:223-31, Mar 71 (Spa)
[Sterility caused by anovular cycle. Analysis of 102 cases] Quiroz N, et al.
Ginecol Obstet Mex 30:153-67, Aug 71 (Spa)
[Endometriosis as a cause of pain and infertility] Wahlén T. Nord Med 85:954-6, 12 Aug 71 (Swe)
[Reproductive function of women, course of pregnancy and labor and frequency of parturition after cesarean section] Klimenko ZS.
Pediatr Akush Ginekol 3:45-7, 1970 (Ukr)

FAMILIAL & GENETIC

Pernicious anaemia as a cause of infertility in twins. Girdwood RH, et al. Lancet 1:528-30, 13 Mar 71

IMMUNOLOGY

Immunofluorescent studies on human spermatozoa. I. The detection of different spermatozoal antibodies and their occurrence in normal and infertile women. Hjort T, et al. Clin Exp Immunol 8:9-23, Jan 71
[Immunologic studies of women with long-standing sterility] Kirchev P, et al.
Akush Ginekol (Sofiia) 9:278-81, 1970 (Bul)
[Screening and treatment of an allergic basis in obstetrics and gynecology] Martin-Laval J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:55-62, Jan-Mar 71 (Fre)
[Fertility and immunologic factors. Therapeutic conclusions] Morin P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:409-11, 1968 (Fre)
[Animal experiment studies on the action mechanism of immunologic sterility] Hilfrich HJ, et al.
Arch Gynaekol 211:302-3, 4 Jun 71 (Ger)
[Experimental study on the value of immunologic factors in female sterility] Lehmann F, et al.
Arch Gynaekol 211:303-4, 4 Jun 71 (Ger)

METABOLISM

Progestin production by the ovary of the testosterone-sterilized rat treated with an ovulatory dose of LH, and the normal, proestrous rat. Cortes V, et al. Endocrinology 89:878-85, Sep 71
[Therapeutic considerations of side effects of hormonal contraceptives on the liver] Gomes da Costa SF, et al. Arzneim Forsch 20:1246-7, Sep 70 (Ger)

PATHOLOGY

The ovaries in infertile women: a clinical and pathologic study of 81 women having ovarian surgery at laparotomy. Stevenson CS.
Fertil Steril 21:411-25, May 70
Arcuate nucleus region in androgen-sterilized female rats: ultrastructural observations. Ratner A, et al.
Neuroendocrinology 8:26-35, 1971

SURGERY

Infertility due to endometriosis. Conservtive surgical therapy. Spangler DB, et al.
Am J Obstet Gynecol 109:850-7, 15 Mar 71
Polycystic isthmocervicopathy treated by supraisthmic amputation by abdominal approach. Sîrbu P, et al.
Rom Med Rev 15:58-64, Jan-Mar 71
[25 years of tubal surgery at the Lying-in-Cornell Center of New York] Bastle NK.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:346-7, 1968 (Fre)
[Analysis of the histopathological examination after surgical treatment of tubal sterility] Cemerikic M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:340-1, 1968 (Fre)
[Case of ovaro-uterine implantation] Chelli M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:360-1, 1968 (Fre)
[843 surgical operations for tubal obturation. Homogeneous statistics] Gares R.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:348-50, 1968 (Fre)
[Treated fallopian tube or functional failure in sterility] Gilloux A.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:329-31, 1968 (Fre)
[Per celioscopy codonolysis, a new technic] Gordji M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:15-6, Jan-Mar 71 (Fre)
[Surgical treatment of obliteration of the uterine tubes by use of a polyethylene phantom tube] Higier J.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:355-7, 1968 (Fre)
[Operated tubal sterility. 15-year statistics] Jamain B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:345-6, 1968 (Fre)
[Surgical treatment of tubal sterility] Kostic P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:358-9, 1968 (Fre)
[Implantation of the appendix in correction of sterility] Mladenovic D, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:364-6, 1968 (Fre)
[Ovaro-uterine implantation. Experimental study] Panopoulos C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:361-4, 1968 (Fre)
[Plastic tubal operations and genital tuberculosis in women] Poradovsky K, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:341-3, 1968 (Fre)
[Prognostic elements in surgery of tubal sterility] Revaz C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:337-9, 1968 (Fre)
[Principal causes of failure of restorative tubal surgery] Rochet Y.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:343-5, 1968 (Fre)
[Artificial fallopian tubes] Sistek J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:366-9, 1968 (Fre)
[A new salpingostomy technic] Thoyer-Rozat J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:350-2, 1968 (Fre)
[Surgical treatment of tubal sterility]
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:321-8, 1968 (Fre)
[Current status of tubal surgery] Gilloux A.
Bull Mem Soc Chir Paris 60:228-31, 1970 (Fre)
[Surgical methods in the treatment of sterility and importance of the post-operative treatment] Milosevic B. J Med Lyon 51:1607-9, 20 Sep 70 (Fre)
[I. Corticotherapy in reparative tubal surgery. II. The dangers of corticotherapy in pregnant women] Lesimple J. Maroc Med 49:530-4, Aug-Sep 69 (Fre)
[Homeoplastic endometrium transplantations at the Berlin University Gynecologic Clinic (Charité) during 1948-1968] Fiach W, et al.
Zentralbl Gynaekol 92:461-4, 11 Apr 70 (Ger)
[Reconstructive oviduct surgery] Toaff R, et al.
Harefuah 78:427-9, 1 May 70 (Heb)
[Clinical considerations on terminal salpingostomy in sterility] Robecchi E, et al.
Minerva Ginecol 22:744-8, 15 Aug 70 (Ita)
[Progress in the surgical treatment of the tubal sterility factor] Alvares Bravo A.
Ginecol Obstet Mex 29:153-71, Feb 71 (Spa)

THERAPY

The early treatment of "infertility": coitus and cautery. Keyser HH. Fertil Steril 21:377-81, Apr 70
Presentation of an insufflator-instillator and the use of it. Massouras HG. Fertil Steril 21:407-10, May 70
A preliminary design and trial of an artificial human tube. Wood C, et al. Fertil Steril 22:446-50, Jul 71
Treatment of occluded tubes by hydrotubation. Report of 94 cases of hydrotubation. Fuchs K, et al.
Int J Fertil 16:15-8, Jan-Mar 71
Therapeutic use of the intrauterine contraceptive device. Ray JL. Int Surg 56:193-5, Sep 71
Hydrotubation in private patients with infertility. Williams WW. NY State J Med 70:2673-6, 1 Nov 70
[Improvement of curative results of tubal sterility] Kohoutek M. Cesk Gynekol 36:29-30, Feb 71 (Cze)
[The price of a child] Chartier M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:506-10, Nov-Dec 70 (Fre)
[Prolonged hydrotubation with the use of the Fikentscher-Semm cervical adaptator (preliminary note)] Dajoux R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:318-23, Jun-Aug 70 (Fre)
[Intrauterine pessaries in the management of sterility] Gesenius H.
Munch Med Wochenschr 113:1188-9, 3 Sep 71 (Ger)
[Results of conversative sterility treatment at the University-Women's Clinic of the Charité, Berlin] Drühl S, et al.
Zentralbl Gynaekol 92:923-32, 18 Jul 70 (Ger)
[Pregnancy following bilateral wedge-shaped resection of the ovaries and prolonged insemination] Hagen H, et al. Zentralbl Gynaekol 92:749-51, 6 Jun 70 (Ger)
[Hydrotubation in the treatment of tubal sterility] Salomy M, et al. Harefuah 78:186-91, 15 Feb 70 (Heb)
[Pregnancy after therapy for sterility. Preliminary note] Brigato G, et al.
Minerva Ginecol 22:479-80, 15 May 70 (Ita)
[Etiopathogenesis of pathologic changes in the Fallopian tubes in women treated because of tubal impatency] Gromadzki W, et al.
Ginekol Pol 42:87-98, 1971 (Pol)
[Treatment of sterility at the urban gynecologic center in Krasnotur'insk] Tarinskiĭ AP.
Akush Ginekol (Mosk) 46:64-5, Mar 70 (Rus)
[Female sterility of tubal origin; experience in 40 cases treated by hydrointubations] Vargas J.
Rev Obstet Ginecol Venez 30:447-8, 1970 (Spa)
[Services in sterility therapy] Biroikova MS, et al.
Pediatr Akush Ginekol 5:59-60, Sep-Oct 70 (Ukr)

URINE

Ovarian pregnanetriol test for the assessment of potential ovulatory capacity of infertile women. Weidenfeld J, et al. Fertil Steril 21:495-501, Jun 70
[Stimulation of the LH excretion by retroprogesterone Ro 4-8347] Stamm O, et al.
Bull Schweiz Akad Med Wiss 25:391-407, Oct 70 (Ger)
[LH ecretion in corpus leteum insufficiency] Zarro D, et al. Gynaecologia 168:434-8, 1969 (Ger)
[Relationship between FSH and LH in anovulatory women] Seki M.
Folia Endocrinol Jap 46:901-2, Nov 70 (Jap)

VETERINARY

Clinical aspects of nutritional infertility of ewes. Moule GR. Aust Vet J 46:428-35, Sep 70
A clinical, bacteriologic, and histologic survey of infertile cows. Sagartz JW, et al.
J Am Vet Med Assoc 158:819-22, 1 Mar 71
Reproductive steroids in the bovine. II. Comparison of freemartins to fertile heifers. Randel RD, et al.
J Anim Sci 32:318-26, Feb 71
Haemoglobin type and fertility of Merino ewes grazing oestrogenic (Yarloop clover) pastures. Obst JM, et al.
Nature (Lond) 232:497-8, 13 Aug 71
Sterility and reproductive inhibition of Japanese quail induced by mestranol ingestion. Wentworth BC.
Poult Sci 49:1477-84, Nov 70
An experimental study of the causes of a nutritional and lactational stress infertility of pasture-fed cows, associated with loss of bodyweight at about the time of mating. McClure TJ. Res Vet Sci 11:247-54, May 70
Nutrition as a possible cause of infertility in cattle. Alderman G. Vet Rec 87:35, 11 Jul 70
Reproductive expectancy and infertility in cattle. David JS, et al. Vet Rec 89:181-5, 14 Aug 71
Clinical aspects of anoestrus and sub-oestrus in cattle. Edgson FA. Vet Rec 87:35-7, 11 Jul 70
Functional abnormalities causing infertility in cattle. Laing JA. Vet Rec 87:34, 11 Jul 70
Isolation of a herpesvirus from the canine genital tract: association with infertility, abortion and stillbirths. Poste G, et al. Vet Rec 88:229-33, 27 Feb 71
Incidence of breeding abnormalities in a random selection of large white gilts purchased for experimental purposes. Reed HC.
Vet Rec 87:778-81, 19 Dec 70
[Electrolytes in bovine intrauterine secretions in infertility sine material] Lamothe P, et al.
Can J Comp Med 34:167-76, Jul 70 (Fre)
[Infertility in a cow. Case report] Lamontagne M.
Can Vet J 11:236-8, Nov 70 (Fre)
[Sterility connected with nutrition. Outline of some recent findings on sterility of nutritional origin in cows and the influence of the global nutritional level and nitrogenous feed] Brochart M.
Schweiz Arch Tierheilkd 113:3-8, Jan 71 (Fre)
[Interpretation and critical study of different results of the treatment of sterility] Kupferschmied H.
Schweiz Arch Tierheilkd 113:24-36, Jan 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Epidemiologic studies on sterility in heifers and young cows] Blaschke F, et al.
Berl Munch Tieraerztl Wochenschr 84:261-6, 15 Jun 71 (Ger)

[Magnesium deficiency in sterility and calf loss (mineral impoverishment of cows)] Brodauf H, et al.
Berl Munch Tieraerztl Wochenschr 83:101-3, 15 Mar 70 (Ger)

[Fertility disorders in a cattle herd fed with corn- and clover-grass-silage containing estrogens] Lotthammer KH, et al.
Berl Munch Tieraerztl Wochenschr 83:353-7, 15 Sep 70 (Ger)

[Antigens and antibodies in the reproduction of domestic animals] Bratanov K.
Dtsch Tieraerztl Wochenschr 78:120-3, 15 Feb 71 (Ger)

[The collection of genital secretion from the mare for bacteriological examination, its evaluation and hints for therapy] Merkt H, et al.
Dtsch Tieraerztl Wochenschr 77:518-21, 1 Oct 70 (Ger)

[Programmed therapy of fertility disorders and perinatal loss of swine. (Brief clinical report)] Plonait H.
Dtsch Tieraerztl Wochenschr 78:373-5, 1 May 71 (Ger)

[Blood serum analyses in cow herds with fertility disturbances] Schmidt B, et al.
Dtsch Tieraerztl Wochenschr 78:237-9, 15 Apr 71 (Ger)

[Cystic degeneration of the ovary in sows] Vandeplassche M, et al.
Dtsch Tieraerztl Wochenschr 78:91-3, 15 Feb 71 (Ger)

[Bacterial flora in the uterus as a cause of sterility of mares in Northern Greece] Vlachos K, et al.
Dtsch Tieraerztl Wochenschr 78:87-91, 15 Feb 71 (Ger)

[Effect of intensive breeding hygiene on reproduction in veterinary practice] Liebetrau R.
Monatsh Vet Med 25:860-5, 1 Sep 70 (Ger)

[The importance of minerals and trace elements for the fertility of cattle] Wiesner E.
Monatsh Vet Med 24:349-55, 1 May 69 (Ger)

[Thiol groups, factors normalizing pathological hormonal relationships in bovine sterility] Oeriu I, et al. Zentralbl Veterinaermed [A] 17:34-41, Jan 70 (Ger)

[The accummulation of disulfide groups, a sign of pathological hormone relationship in bovine sterility. 1] Oeriu S, et al.
Zentralbl Veterinaermed [A] 16:927-31, Dec 69 (Ger)

[Prevention of sterility in cows and calves] Nikolaev AS. Veterinariia 9:100-2, Sep 70 (Rus)

STERILITY, MALE (C6)

A gross reduction in chiasma formation during meiotic prophase and a defective DNA repair mechanism associated with a case of human male infertility. Pearson PL, et al. Cytogenetics 9:460-7, 1970

Successful artificial insemination in a diabetic with retrograde ejaculation. Bourne RB, et al.
Fertil Steril 22:275-7, Apr 71

Male infertility: histochemical changes in the subhuman primate tests after prolonged immobilization. Cockett AT, et al.
Fertil Steril 22:565-72, Sep 71

The excretion of radioiodine in human semen. Mroueh AM. Fertil Steril 22:61-3, Jan 71

Impairment of spermatogenesis and libido through antibodies to lutenizing hormone. Talaat M, et al.
Fertil Steril 22:113-8, Feb 71

[Involuntary sterility] Rioux JE.
Laval Med 41:331-5, Mar 70 (Fre)

[Male sterility] Hartemann P, et al.
Sem Hop Paris 47:1905-10, 20 Jun 71 (Fre)

[Development and current possibilities of andrology] Hornstein OP.
Rev Clin Esp 115:489-96, 31 Dec 69 (40 ref.) (Spa)

CHEMICALLY INDUCED

Induction of experimental autoimmune aspermatogenesis by immune serum fractions. Pokorná Z. Folia Biol (Praha) 16:320-9, 1970

Induction of translocations in mice by TEPA. Srám RJ, et al. Folia Biol (Praha) 16:367-8, 1970

Sterility from phenacetin. Boyd EM.
J Clin Pharmacol 11:98-103, Mar-Apr 71

Sexual behaviour of male rats sterilized by cadmium. Madlafousek J, et al. J Reprod Fertil 26:189-96, Aug 71

Sterility and semisterility in male progeny of male mice treated with the chemical mutagen TEPA. Epstein SS, et al. Toxicol Appl Pharmacol 19:134-46, Jun 71

[Arrest of spermatogenesis by various antibiotics: preliminary experimental results] Dokov VK, et al.
Acta Urol Belg 38:277-87, Jul 70 (Fre)

DIAGNOSIS

[Deferentography in sterility due to excretory azoospermia] Cognat M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:426-7, Sep-Oct 69 (Fre)

[Biological studies in male sterility] Haour P.
Rev Lyon Med 19:Suppl:31-3, 1970 (Fre)

[Value of testicular biopsy in male sterility] Vauzelle JL. Rev Lyon Med 19:Suppl:27-30, 1970 (Fre)

[Catamnestic studies on fertility of the man] Günther E, et al. Dermatol Monatsschr 156:30-7, 1970 (Ger)

[Determination of male fertility] Bandhauer K, et al.
Urologe 9:192-9, Jul 70 (Ger)

[Biochemistry of human seminal fluid. II. Fructose in the seminal fluid of pathologic subjects] Dondero F, et al. Folia Endocrinol (Roma) 23:551-8, Oct 70 (Ita)

[Morphologic aspects of human spermatozoa after fluorescent staining with acridine orange] Fioris F, et al. Minerva Ginecol 22:456-7, 30 Apr 70 (Ita)

[Testicular biopsy as a routine investigation in the diagnosis of male sterility] Musella S.
Rass Int Clin Ter 50:1215-7, 15 Oct 70 (Ita)

[Diagnosis of male sterility] Kovač T, et al.
Med Pregl 24:85-90, 1971 (Ser)

DRUG THERAPY

The use of spermatogenic activity test for evaluation of therapy in young unfertile adults. Czerniak P, et al.
Fertil Steril 21:830-7, Dec 70

Clomiphene therapy in defective spermatogenesis. Palti Z. Fertil Steril 21:838-43, Dec 70

Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x-radiation. Maisin JR, et al.
Int J Radiat Biol 19:297-9, 1971

[Human gonadotropins in the treatment of male sterility] Albeaux-Fernet M, et al.
Annee Endocrinol 22:175-80, 1970 (Fre)

[Male sterility in diabetes and its treatment with menopausal female urinary gonadotropins] Lederer J.
Diabete 19:15-20, Jan-Mar 71 (Fre)

[Bradykinesias: a therapeutic experience] Giarola A, et al. Gynecol Prat 21:353-69, 1970 (Fre)

[An unsolved problem: the treatment of conjugal male sterility] Giarola A. Gynecol Prat 19:237-51, 1968 (Fre)

[Treatment of the masculine sterility] Tronchetti F, et al. Rev Fr Endocrinol Clin 11:311-20, Jul-Aug 70 (Fre)

[Medical treatment of male sterility] Cardon JP.
Rev Lyon Med 19:Suppl:35-9, 1970 (Fre)

[Sperm prostaglandins under gonadotropine therapy] Sturde HC, et al. Arzneim Forsch 21:986-9, Jul 71 (Ger)

[FSH treatment of male subfertility] Günther E.
Endokrinologie 57:37-45, 1970 (Ger)

[Treatment results in oligospermia with HMG (Pergonal 500). Preliminary results] Landes E, et al.
Hautarst 22:305-6, Jul 71 (Ger)

[Treatment of oligospermia with amitriptyline] Vogel PG, et al.
Munch Med Wochenschr 113:1028-33, 9 Jul 71 (Ger)

[Effects of prolonged treatment with mesterolone in azoospermia] Bruschini P, et al.
Boll Soc Ital Biol Sper 46:779-81, 15 Oct 70 (Ita)

[Effects of prolonged treatment with mesterolone in oligoasthenospermia] Todeschini F, et al.
Boll Soc Ital Biol Sper 46:775-8, 15 Oct 70 (Ita)

[Fertility drugs] Pozzi M.
Policlinico [Prat] 78:200-5, 1 Mar 71 (Ita)

[Personal experiences with treatment of sterility in young men by human gonadotropins] Dinulović D, et al. Srp Arh Celok Lek 98:57-63, Jan 70 (Ser)

[Therapy with pituitary gonadotropins in sterility. Results and complications] Sánchez Corral F, et al.
Acta Obstet Ginecol Hisp Lusit 19:123-47, Mar 71 (Spa)

[Use of human gonadotropins in oligospermia and azoospermia] Janches M, et al.
Rev Argent Endocrinol Metab 14:165, Sep 68 (Spa)

ENZYMOLOGY

Hormonal testicular activity in men with a varicocele. Raboch J, et al. Fertil Steril 22:152-5, Mar 71

ETIOLOGY

Cytogenetic investigations in male infertility. Philip J, et al. Acta Obstet Gynaecol Scand 49:235-9, 1970

Immunologically induced aspermatogenesis in the white mouse. II. Malkiel S, et al.
J Allergy 46:321-5, Dec 70

An electron microscope study of a tail abnormality in spermatozoa from a subfertile man. Ross A, et al.
J Reprod Fertil 24:99-103, Jan 71

Etiology of infertility after retroperitoneal lymphadenectomy. Kom C, et al.
J Urol 105:528-30, Apr 71

[Urethra bifida] Bertin P.
Ann Urol (Paris) 3:51-6, Feb 69 (Fre)

[Male sterility at high temperature in Drosophila melanogaster: nature, progressivity and reversibility of the effects of heat] David J, et al.
C R Acad Sci [D] (Paris) 272:1007-10, 15 Feb 71 (Fre)

[Recent progress in sterility research] Stucki D.
Praxis 59:1595-601, 17 Nov 70 (Fre)

[Incidence of chromosome abnormalities in male sterility. Apropos of 40 cases] Dutrillaux B, et al.
Presse Med 79:1231-4, 29 May 71 (Fre)

[Oligospermia due to mumps orchitis?] Schirren C.
Dtsch Med Wochenschr 96:766, 23 Apr 71 (Ger)

[Male disorders of potency due to vascular factors. Diagnosis and treatment] Loose KE.
Munch Med Wochenschr 112:405-12, 6 Mar 70 (Ger)

[Value of testicular biopsy in fertility disorders and adult hypogonadism] Clavadetscher P, et al.
Schweiz Med Wochenschr 100:732-9, 25 Apr 70 (Ger)

[Causes of fertility disorders in the male] Bandhauer K.
Z Allgemeinmed 47:757-62, 20 May 71 (Ger)

[Male sterility as a symptom of some diseases in the field of internal medicine] Montagnani A.
G Ital Dermatol 45:246-9, Apr 70 (Ita)

[Cryptorchism-sterility] Stoenescu D.
Stud Cercet Endocrinol 21:451-3, 1970 (Rum)

[Experimental and clinical study of autoimmune aspermatogenesis] Bresler VM, et al.
Vestn Akad Med Nauk SSSR 26:87-9, 1971 (Rus)

FAMILIAL & GENETIC

Abnormal spermiogenesis in two pink-eyed sterile mutants in the mouse. Hunt DM, et al.
J Embryol Exp Morphol 26:111-21, Aug 71

[Multiple meiotic and gametic abnormalities in a case of male sterility] Dutrillaux B, et al.
Ann Genet (Paris) 14:49-52, Mar 71 (Fre)

[Meiotic chromosomes of humans. II. The nucleolus. The chiasmata. 3. Male sterility] Luciani JM.
Ann Genet (Paris) 13:169-82, Sep 70 (Fre)

[Structure and karyotype in male gonadal pathology. (Review and personal contribution)] Frajese G, et al.
Folia Endocrinol (Roma) 23:46-59, Feb 70 (Ita)

[Chromosome studies of germ cells in male infertility] Takagi K. Jap J Urol 62:78-88, Jan 71 (Jap)

IMMUNOLOGY

Autoimmune factors in male infertility: some new perspectives. Hamerlynck J.
Acta Urol Belg 39:94-106, Jan 71

Antitesticular immunity. Role of the basement membrane. Isidori A, et al.
Experientia 26:1375-7, 15 Dec 70

Circulating antibody titers in relation to fertility. I. Male guinea pigs. Katsh S, et al.
Fertil Steril 22:456-61, Jul 71

Androgenic activity and expression of the male-specific antigen in C57BL-6 mice of the Wv-Wv genotype. Vojtíšková M, et al.
Folia Biol (Praha) 17:200-3, 1971

Microlymphocyte transformation studies with seminal antigen. II. Observations in male patients with sperm agglutinating antibodies. Gordon HL, et al.
J Urol 105:863-6, Jun 71

Microlymphocyte transformation studies with seminal antigen. I. Technique and patterns of responsiveness to autologous and allogeneic semen from normal and infertile male subjects. Mumford DM, et al.
J Urol 105:858-62, Jun 71

[Male sterility and immunity] Takeda H.
Clin Endocrinol (Tokyo) 18:393-8, Nov 70 (Jap)

METABOLISM

Carbohydrate metabolism in infertile and impotent males. Goldman JA, et al.
Fertil Steril 21:397-401, May 70

[Characteristics of the amino acid composition of seminal plasma in fertile and sterile males of different ages] Akunts KG, et al.
Urol Nefrol (Mosk) 35:33-5, Nov-Dec 70 (Rus)

MICROBIOLOGY

[Isolation and typing of ECBO viruses from the sperm and serum of bulls] Khristov S, et al.
Veterinariia 1:114-5, Jan 71 (Rus)

PATHOLOGY

Human sperm fine structure in a case of severe asthenospermia-necrospermia. Pedersen H, et al.
Fertil Steril 22:156-64, Mar 71

Testicular biopsy findings in patients with impaired fertility. Garduno A, et al. J Urol 104:871-7, Dec 70

Meiotic studies of the ejaculated seminal fluid of humans with normal sperm count and oligospermia. Sperling K, et al. Nature (Lond) 232:481, 13 Aug 71

Scanning and transmission electron microscopy of human ejaculate spermatozoa with special reference to their abnormal forms. Fujita T, et al.
Z Zellforsch Mikrosk Anat 105:483-97, 1970

[Attempted study with the electron microscopy of functional testicular biopsies] Mazzuca M.
Lille Med 16:515-34, Apr 71 (Fre)

PHYSIOPATHOLOGY

Subnormal testicular function in a bull concealed by phagocytosis of abnormal spermatozoa in the efferent ductules. Crabo B, et al.
J Reprod Fertil 26:393-6, Sep 71

[Behavior of urinary elimination of ICSH in subjects with disorders of spermatogenesis] Natoli A, et al.
Boll Soc Ital Biol Sper 45:856-9, 31 May 69 (Ita)

[Control of secretion of human gonadotropins] Franchimont P.
Minerva Med 61:5753-62, 15 Dec 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PREVENTION & CONTROL

[Prevention of fertility disorders in men] Adam W. Med Welt 17:691-4, 24 Apr 71 (Ger)

SURGERY

Surgical treatment of male infertility. Young D. J Reprod Fertil 23:541-2, Dec 70
[Surgical treatment of infertility in males] Fogh-Andersen P. Nord Med 84:1181-2, 10 Sep 70 (Dan)
[Surgical treatment of male sterility] Cognat M. Rev Lyon Med 19:Suppl:41-3, 1970 (Fre)
[Ligation of the spermatic vein in patients with subfertility due to varicocele] Nöske HD, et al. Munch Med Wochenschr 112:1682-6, 18 Sep 70 (Ger)

THERAPY

[Changes in spermiogram values after successful treatment of infertile men] Barták V. Cas Lek Cesk 110:573-4, 11 Jun 71 (Cze)
[Current aspects of treatment for male sterility] Revaz C. Rev Med Suisse Romande 91:173-82, Mar 71 (Fre)
[Current views on the treatment of male sterility] Rugna D da. Praxis 60:974-82, 20 Jul 71 (Ger)
[Male sterility and its therapy] Hornstein OP. Z Allgemeinmed 47:470-8, 31 Mar 71 (Ger)

URINE

[Gonadotropin exretion in infertile and subfertile men] Hilfrich HJ, et al. Klin Wochenschr 48:947-8, 1 Aug 70 (Ger)

VETERINARY

An abnormality of the spermatozoa of a stallion (Equus caballus). Chenoweth PJ, et al. Br Vet J 126:476-81, Sep 70
Infertility in a bull-effect of vitamin A therapy on the semen picture. Choudhury RR, et al. Indian Vet J 48:101-4, Jan 71
The ultrastructure of abnormal spermatozoa in a stud dog. Aughey E, et al. J Reprod Fertil 25:303-4, May 71
Ultrastructure of the "decapitated sperm defect" in Guernsey bulls. Blom E, et al. J Reprod Fertil 23:67-72, Oct 70
Breeding soundness in the ram: a review of the proceedings and resolutions from two seminars held in 1964 and 1969. Quinlivan TD. NZ Vet J 18:233-40, Nov 70
Breeding unsoundness in the ram: the incidence of contributing conditions. 1. Northland. Quinlivan TD, et al. NZ Vet J 19:38-44, Mar 71
A clinical study of ram infertilities in Scotland. Fraser AF, et al. Vet Rec 89:154-8, 7 Aug 71
An evaluation of testicular biopsy in farm animals. Galina CS. Vet Rec 88:628-31, 12 Jun 71
Certain interesting aspects of infertility in two Shetland Collies. Renton JP, et al. Vet Rec 88:408-10, 17 Apr 71
[Differentiation and fertilization capacity of pathological spermatozoa] Leidl W, et al. Dtsch Tieraerztl Wochenschr 78:129-32 passim, 15 Feb 71 (Ger)
[Quantitative study of spermatogenesis in the bull, with special reference to methodology--3 bulls with asthenospermia accompanied by aspermia] Tiba T. Jap J Vet Res 13:Suppl 2:1-127, Sep 65 (Ger)
[Changes in the spermatograms and testicular microstructure of bulls] Zagorski D, et al. Veterinariia 1:115-7, Jan 71 (Rus)

STERILIZATION (G3)

Methods for microbiological testing of ethylene oxide sterilizing in hospital. Nyström B. Acta Pathol Microbiol Scand [B] 78:271, 1970
Mechanical sterilization of the applanation tonometer. 2. Viral study. Corboy JM, et al. Am J Ophthalmol 71:891-3, Apr 71
Mechanical sterilization of the applanation tonometer. 1. Bacterial study. Corboy JM, et al. Am J Ophthalmol 71:889-91, Apr 71
Critical analysis of the microflora of toweling. Wetzler TF, et al. Am J Public Health 61:376-93, Feb 71
A new classification of ventilators based on methods of sterilisation. Fisher MF, et al. Anaesthesia 26:92, Jan 71
The importance and problems of sterilisation of anaesthetic equipment. Roberts RB, et al. Anaesthesia 26:89-90, Jan 71
Ethylene oxide sterilisation of surgical stores. Thomas LC, et al. Anaesthesia 26:304-7, Jul 71
Irradiated PVC plastic and gas sterilization in the production of tracheal stenosis following tracheostomy. Lipton B, et al. Anesth Analg (Cleve) 50:578-86, Jul-Aug 71
Safe use of ethylene oxide sterilization in hospitals. Rendell-Baker L, et al. Anesth Analg (Cleve) 49:919-21, Nov-Dec 70
The sterilization of anesthesia equipment by ethylene oxide. Anesth Analg (Cleve) 49:957-64, Nov-Dec 70
Differential light scattering measurements of heat-treated bacteria. Berkman RM, et al. Appl Microbiol 20:510-2, Sep 70
Adsorption of formaldehyde by various surfaces during gaseous decontamination. Braswell JR, et al. Appl Microbiol 20:765-9, Nov 70
Ethylene oxide resistance of nondesiccated and desiccated spores of Bacillus subtilis var. niger hermetically sealed in various polymeric films. Doyle JE, et al. Appl Microbiol 20:793-7, Nov 70
Cutter for membrane filters used in sterility testing. Russell EC, et al. Appl Microbiol 21:1110-1, Jun 71
Self-sterilizing inoculating loop. Songer JR, et al. Appl Microbiol 21:1095-6, Jun 71
New water disinfectant: an insoluble quaternary ammonium resin-triiodide combination that releases bactericide on demand. Taylor SL, et al. Appl Microbiol 20:720-2, Nov 70
Convection, air mixing, and ultraviolet air disinfection in rooms. Riley RL, et al. Arch Environ Health 22:200-7, Feb 71
Room air disinfection by ultraviolet irradiation of upper air. Air mixing and germicidal effectiveness. Riley RL, et al. Arch Environ Health 22:208-19, Feb 71
Room air disinfection by ultraviolet irradiation of upper air. Further analysis of convective air exchange. Riley RL, et al. Arch Environ Health 23:35-9, Jul 71
The effects of sterilising processes on plastics. Piester DW. Biomed Eng 5:443-7, Sep 70
An analysis of vacuum effects in the sterilization of microorganisms. Brannen JP. Biophysik 7:55-9, 1970
The radiosensitivity of a bacterial spore which survives all normal sterilization procedures. Dewey DL. Br J Radiol 44:565, Jul 71
Disinfection of cystoscopes by subatmospheric steam and steam and formaldehyde at 80 degrees C. Alder VG, et al. Br Med J 3:677-80, 18 Sep 71
Sterility indicator with artificial resistance to ethylene oxide. Doyle JE. Bull Parenter Drug Assoc 25:98-104, Mar-Apr 71
Research committee reports. Cleaning techniques for rubber closures. Hallock WK. Bull Parenter Drug Assoc 25:65-7, Mar-Apr 71
Some thoughts on sterilization and sterility control. Macek TJ. Bull Parenter Drug Assoc 25:23-30, Jan-Feb 71
Types of biological indicators used in monitoring sterilization processes. Miller WS. Bull Parenter Drug Assoc 25:80-6, Mar-Apr 71
Environmental microbial load as related to sterilization and sterility testing. Schmitt RF. Bull Parenter Drug Assoc 25:31-9, Jan-Feb 71
Ethylene oxide sterilant residues. Willson JE. Bull Parenter Drug Assoc 24:226-34, Sep-Oct 70
Gamma ray sterilisation of homograft valves. Gibbons JR, et al. Bull Soc Int Chir 28:353-8, May-Jun 69
New sterilization and set-up technique for surgical kits. Charter D. Can Hosp 48:36 passim, Apr 71
Behavior of urease added to unsterilized, steam-sterilized, and gamma radiation-sterilized black spruce humus. Roberge MR. Can J Microbiol 16:865-70, Sep 70
Effect of sterilization and preservation on the tensile properties of aortic cusp tissue, with a note on a simplified method of evaluation. Firor WB, et al. Can J Surg 13:434-8, Oct 70
The controlled use of copper as an antibacterial agent in respiratory therapy apparatus. Bloomfeld J, et al. Chest 60:202-4, Aug 71
Using the clean work station. An evaluation of present and anticipated uses of ultrclean wor stations. Leemhorst JW. Contam Control 9:16-9 passim, Nov-Dec 70
The clean work station era. Contam Control 9:12-4, Nov-Dec 70
Studies on particle size problems. V. Surface area stabilities of micronized powders in relation to humidity and heat sterilization. Moller N, et al. Dan Tidsskr Farm 44:301-10, 1970
Microbiological aspects of the hospital environment: bacteriological effectiveness of a utensil washer-sanitizer. Daley D, et al. Health Lab Sci 8:21-8, Jan 71
A microbiological study of hospital cloth surgical packs prior to sterilization. Lloyd RS, et al. Health Lab Sci 7:69-75, Apr 70
Processing and redistributing thermometers. Tessena A. Hosp Manage 109:49 passim, Jun 70
Methods and principles of sterilization. Wright N. Hosp Manage 109:65-7, May 70
Decontamination area for inhalation therapy. Becker KO. Hospitals 45:68 passim, 16 May 71
Are your disposables safe? Bruch CW. Hospitals 45:138-46, 1 Sep 71
Ethylene oxide sterilization. Hospitals 45:99-100, 1 Jun 71
Sterility testing: detection of yeast and fungal contamination. Chatterjee SC. Indian J Med Sci 24:568-70, Sep 70
Ethylene oxide. Stetson JB, et al. Int Anesthesiol Clin 8:829-42, Winter 70
New decontamination efforts and techniques for elimination of Salmonella from animal protein rendering plants. Hess GW, et al. J Am Vet Med Assoc 157:1975-80, 1 Dec 70
Sterilization problems of synthetic biocompatible materials. Bruck SD. J Biomed Mater Res 5:139-58, May 71
Heat resistance of certain pathogenic bacteria in milk using a commercial plate heat exchanger. Evans DA, et al. J Dairy Sci 53:1659-65, Dec 70
Studies on control of house flies in Egypt by chemosterilants. 3. Sterilization of Musca sorbens by apholate, tepa, and hempa. Hafez M, et al. J Econ Entomol 63:1167-9, Aug 70
Studies on the control of mosquitoes in Egypt by means of chemosterilants. 3. Sterilization of Anopheles pharoensis and Culex pipiens by Metepa. Hafez M, et al. J Econ Entomol 63:1169-72, Aug 70
Wound sepsis and the use of central sterile supply department in a district general hospital. el-Bagoury SM. J Egypt Public Health Assoc 45:348-58, 1970
Sterilisation of colicine preparations. Senior BW, et al. J Med Microbiol 3:585-92, Nov 70
Bacteriologic and clinical evaluation of gowning in a premature nursery. Evans HE, et al. J Pediatr 78:883-6, May 71
A new biological indicator system for testing sterilization efficiency. Pijck J. J Pharm Belg 26:211-2, Mar-Apr 71
The correlation of unsteady-state heat transfer data from a sterilizing oven. Peacock DG, et al. J Pharm Pharmacol Suppl:131S+, Dec 70
Effect of sterilization methods on endothelium of homograft and heterograft valves. Innes BJ, et al. J Surg Res 11:111-8, Mar 71
On the role of DNA in wet heat sterilization of micro-organisms. Brannen JP. J Theor Biol 27:425-32, Jun 70
Role of water activity in the dry heat sterilization of micro-organisms. Brannen JP. J Theor Biol 32:331-4, Aug 71
Toxicity of ethylene oxide sterilization of polyvinyl chloride in open-heart surgery. Stanley P, et al. J Thorac Cardiovasc Surg 61:309-14, Feb 71
To sterilize an astronaut. Taylor FW. JAMA 216:522, 19 Apr 71
Air detection in dressings steam sterilizers. Pickerill JK, et al. Lab Pract 20:408-13, May 71
Calcification and cusp-rupture in human aortic-valve homografts sterilised by ethylene oxide and freeze-dried. Missen GA, et al. Lancet 2:962-4, 7 Nov 70
Modern central service. How new packaging materials work. Reilly E, et al. Mod Hosp 116:100, Jan 71
Filter efficiency. Paterson JS, et al. Nature (Lond) 228:1237-8, 19 Dec 70
The packaging and presentation of sterile packs. Cadmore MC. Nurs Times 66:1337, 15 Oct 70
Chemical decontamination of gutta-percha cones with polyvinylpyrrolidone-iodine. Montgomery S. Oral Surg 31:258-66, Feb 71
Microbiological control in the manufacture of sterile pharmaceutical products. Bühlmann X. Pharm Acta Helv 46:385-409, Jul 71 (44 ref.)
Adsorption of chlorhexidine acetate onto different filter media during bacteriological filtration. Naidoo NT, et al. Pharm Weekbl 105:1373-80, 27 Nov 70
Surveillance and control of Hubbard tank bacterial contaminants. Miller JK, et al. Phys Ther 50:1482-7, Oct 70
Decontamination methods for overalls of hide and wool handlers. Darlow HM. Proc R Soc Med 63:1019-20, Oct 70
Physical principles of ultrasonic aerosol generation for disinfection. Herzog P, et al. Proc R Soc Med 63:911-3, Sep 70
Physical principles of mist sterilization. Robinson JS. Proc R Soc Med 63:910-1, Sep 70
Sterilization of pulmonary ventilators. Whitby JL. Proc R Soc Med 63:909-10, Sep 70
The ultra-heat treatment of milk and aseptic packaging. Ridgway JD. R Soc Health J 90:33-5, Jan-Feb 70
Effects of -irradiation on sodium sulphacetamide. Phillips GO, et al. Radiat Res 46:236-50, May 71
[Bacterial contamination of anesthesiologic apparatuses and methods for their disinfection] Iordanov E, et al. Khirurgiia (Sofiia) 22:521-7, 1969 (Bul)
[Use of lindane for desinfection of silon and crepsilon materials] Klíma J, et al. Cesk Dermatol 46:26-7, Feb 71 (Cze)
[Sterilization and sterile preparations in pharmacy. 8. Water as a vehicle for sterile drugs] Burelová A, et al. Cesk Farm 19:312-8, Oct 70 (Cze)
[Use of Persteril in ophthalmology] Heinc A, et al. Cesk Oftalmol 27:73-5, Mar 71 (Cze)
[Problems of asepsis in the operating theatre in the tropics] Chmel K. Rozhl Chir 50:72-4, Feb 71 (Cze)
[Evaluation of sterilization indicators before their use in autoclaves] Reybrouck G, et al. Arch Belg Med Soc 26:647-61, Nov-Dec 68 (Dut)
[On a proposed law making obligatory the declaration of viral hepatitis and concerning disinfection] Boyer J. Bull Acad Natl Med (Paris) 154:810-3, 1-8 Dec 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Demonstration of an important production of carbon monoxide by sterile bacteriologic culture media] Bouley G, et al.
C R Acad Sci [D] (Paris) 272:1459-61, 8 Mar 71 (Fre)
[3 years of control of bacteriologic sterility of drugs (bacteria and microscopic fungi)] Desbordes J, et al.
J Pharm Belg 25:357-66, Sep-Oct 70 (Fre)
[Heat sterilization of sulfonamide solutions] Martin F, et al. J Pharm Belg 25:317-29, Jul-Aug 70 (Fre)
[Sterilization of endodontic instruments] Demars C, et al. Rev Belge Med Dent 25:539-52, 1970 (Fre)
[The disinfection of anesthesia equipment with chlorohexidine] Hennes HH, et al.
Anaesthesist 19:116-9, Mar 70 (Ger)
[Hygienic problems in hemodialysis wards with large rinsing reservoir] Thofern E, et al.
Arch Hyg Bakteriol 154:115-31, Oct 70 (Ger)
[Studies on the viability of pathogens in animal feces. 3. Disinfection of poultry-litter by a combination of heated floor and heated air] Best E, et al.
Berl Munch Tieraerztl Wochenschr 83:488-91, 15 Dec 70 (Ger)
[Syringe sterilization following blood specimen withdrawal] Grün L.
Dtsch Med Wochenschr 96:1024, 4 Jun 71 (Ger)
[Problems of disinfection and sterilization in dentistry] Weuffen W, et al.
Dtsch Stomatol 20:933-54, Dec 70 (114 ref.) (Ger)
[Sterilization methods in the preparation of homologous and heterologous cardiac valve grafts] Hehrlein FW.
Langenbecks Arch Chir 322:684-7, 1968 (Ger)
[Antifungally active detergent for the disinfection of underwear made from not-to-be-boiled polyamide fiber] Kejda J. Mykosen 11:521-2, 1 Jul 68 (Ger)
[Chemical sterilization of various culture media using refrigeration] Lührs K.
Mykosen 14:195-8, 1 Apr 71 (Ger)
[New points of view in the concepts and methods of disinfection and sterilization] Bösenberg H.
Oeff Gesundheitswes 32:105-13, Mar 70 (Ger)
[Disinfection of plastic objects used with Goldmann's applanation tonometer] Schmidt T, et al.
Ophthalmologica 162:129-39, 1971 (Ger)
[Disinfectants and disinfection methods with special reference to factors modifying their effectivity and usefulness] Spicher G.
Pathol Microbiol (Basel) 36:259-76, 1970 (Ger)
[Influence of ethylene oxide sterilization on drugs. Preliminary report] Ballmer K.
Pharm Acta Helv 45:772, Dec 70 (Ger)
[What is to declare in the preparation of watery sterilized solutions on the expression of thermostability in the pharmaceutic practice?] Irmscher H, et al. Pharm Prax 8:186-7, 1970 (Ger)
[Evaporation in a distillation apparatus as an effective method for preparation of germ-free aqua in a pharmacy] Meyer R. Pharm Prax 5:116-7, May 71 (Ger)
[Practicality of floor and air heating in the disinfection of poultry houses] Best E.
Wien Tieraerztl Monatsschr 58:253-5, Jun 71 (Ger)
[Examinations on the killing of Mycobacteria tuberculosis in chemo-thermo-disinfection washing procedure] Gruhn I.
Z Gesamte Hyg 16:868-72, Nov 70 (Ger)
[Studies on the importance of milk kitchens in the contagion in child institutions] Kepler H, et al.
Z Gesamte Hyg 16:584-9, Aug 70 (Ger)
[Separation effectiveness of a room air degermination device against dust particles of various size] Laudien K, et al. Z Gesamte Hyg 16:775-80, Oct 70 (Ger)
[A new method for manure disinfection] Poch M, et al.
Z Gesamte Hyg 16:593-4, Aug 70 (Ger)
[Cum argento-sine argento water degermination] Walter H. Z Gesamte Hyg 16:576-8, Aug 70 (Ger)
[Effect of sterilization on the protein quality of feed mixtures] Eggum BO.
Z Tierphysiol 25:204-10, Sep 69 (Ger)
[Influence of missing intestinal flora on the digestibility of differently sterilized diet in rats and mice] Hiller HH, et al. Z Tierphysiol 28:12-8, Aug 71 (Ger)
[Digestibility of rat and mouse selective diets following sterilization by gamma-irradiation or by steam in conventional rats] Schoen A, et al.
Z Tierphysiol 27:338-43, Jun 71 (Ger)
[Simplification of the method of obtaining germ-free animals] Thimm HJ, et al.
Z Versuchstierkd 11:281-4, 1969 (Ger)
[Quantitative and qualitative changes in raw proteins in a rat and mouse diet by means of various sterilization procedures] Udes H, et al.
Z Versuchstierkd 13:160-6, 1971 (Ger)
[Bacteriological studies for hygienic revision of the multibacto composting tower process] Knoll KH, et al.
Zentralbl Bakteriol [Naturwiss] 124:346-54, 1970 (Ger)
[Rhizobium and other bacteria in the root nodules of leguminous plants. I. Sterilization of the surface of root nodules of Soja max] Manninger E, et al.
Zentralbl Bakteriol [Naturwiss] 124:684-7, 1970 (Ger)
[Sterilization of the surface of grape (Vitis vinifera L.) seeds] Nagy R, et al.
Zentralbl Bakteriol [Naturwiss] 124:468-71, 1970 (Ger)
[Bacteriological examinations for disinfecting drinking water of ships by means of ultraviolet irradiation. I] Müller G, et al.
Zentralbl Bakteriol [Orig] 215:555-62, 1970 (Ger)
[Testing of preparations for surgical hand disinfection. Comparison of two preparations containing hexachlorophene with ethyl alcohol] Rotter M.
Zentralbl Bakteriol [Orig] 217:403-14, Jul 71 (Ger)
[Varying effectiveness of beta-propiolacton in sterilization of esterase-active and esterase-inactive serum and plasma] Stephan W, et al.
Zentralbl Bakteriol [Orig] 215:381-5, 1970 (Ger)
[Equipment and instrument disinfection in dental practice] Druskeit W. ZWR 79:986, 25 Nov 70 (Ger)
[Hygiene, disinfection and sterilization in dental practice] Lammers T. ZWR 79:984-5, 25 Nov 70 (Ger)
Sterilization using ultraviolet rays in dental practice] Ryguschik G. ZWR 80:542-5, 25 Jun 71 (Ger)
[Radiation sterilization of ophthalmic ointments containing hydrocortisone acetate and chloramphenicol. IV. Bacteriological studies] Bartha T, et al. Acta Pharm Hung 40:226-32, 1970 (Hun)
[Sterilization of dextran powder by gamma irradiation] Farkas E, et al.
Acta Pharm Hung 41:63-8, Mar 71 (Hun)
[Resuscitation and intensive care departments in modern hospitals. Unit premises: hygienic problems and microclimate] Cremonini G.
Acta Anaesthesiol (Padova) 21:69-79, Jan-Feb 70 (Ita)
[Possibility and prevention of contaminations by anesthesiological equipment. Refresher course at the XXIst Congress of the Società di Anestesiologia e Rianimazione, Padua, October 1968] Bellucci G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1537-72, 1968 (Ita)
[Testing of glutaraldehyde, a new synthetic bactericidal and sporicidal drug, on some surgical and anesthesiological instruments] Carboncini P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:345-52, 1968 (Ita)
[Decontamination of anesthesia and resuscitation equipment] Centi R, et al.
Minerva Anestesiol 37:340-5, Aug-Sep 71 (Ita)
[Exposure treatment in extensive burns] Teich-Alasia S. Minerva Chir 25:878-86, 30 Jun 70 (Ita)
[Various materials used in the construction of utensils and objects of current use are microbial receptacles] Marchesi S. Rass Int Clin Ter 50:1510-1, 15 Dec 70 (Ita)
[On the preparation of sterile and pyrogen-free column] Kano S, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:81-3, 1970 (Jap)
[Radiosterilization of medical products. I. Effects of radiation on physical and chemical properties of injection needles] Oba T, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:14-8, 1970 (Jap)
[Radiosterilization of medical products. II. Effects of radiation on physical and chemical properties of disposable plastics syringes] Oba T, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:19-23, 1970 (Jap)
[Symposium: present status and problems of bactericide by radiation] Hattori Y, et al.
Jap J Bacteriol 25:655-8, Dec 70 (Jap)
[Sterilization of catheters and tubes in angiography] Steinert R. Nord Med 85:777-8, 24 Jun 71 (Nor)
[Disinfectant activity of peracetic acid on the spores of bacteria] Krzywicka H.
Rocz Panstw Zakl Hig 21:595-9, 1970 (Pol)
[Gamma-sterilization of polyenic antibiotics] Tsyganov VA, et al. Antibiotiki 16:47-9, Jan 71 (Rus)
[Homotransplantation of bone tissue sterilized by formalin fumes] Timashkevich KD.
Biull Eksp Biol Med 67:106-11, Jun 69 (Rus)
[Healing of skin wounds sutured with silk sterilized with antibiotics] Orlov VI, et al.
Eksp Khir Anesteziol 15:36-40, Jul-Aug 70 (Rus)
[Experimental evaluation of bone transplants sterilized by different chemical agents] Savel'ev VI, et al. Eksp Khir Anesteziol 15:49-50, Nov-Dec 70 (Rus)
[Means of simultaneous clearing and disinfection of surface waters in expeditions] Alfimov NN, et al.
Gig Sanit 35:86-8, Jun 70 (Rus)
[Use of gel-containing sterilizing media for transplant storage] Savel'ev VI, et al.
Khirurgiia (Mosk) 47:126-8, Jan 71 (Rus)
[Current status of prevention of postoperative suppurative and septic complications in surgical clinics (literature review)] Shabanov AN, et al.
Khirurgiia (Mosk) 47:137-41, Jan 71 (64 ref.) (Rus)
[Sterilization of the artificial kidney apparatus with sporocidanol] Simbirtsev SA, et al.
Khirurgiia (Mosk) 47:133-6, Jan 71 (Rus)
[Sterilization of bone tissue by formalin vapor] Gudushauri ON, et al.
Ortop Travmatol Protez 31:15-7, Oct 70 (Rus)
[Change in the physical-mechanical properties of lavsan ribbons after sterilization and storage in alcohol] Mukhamedov O.
Ortop Travmatol Protez 31:84-6, Oct 70 (Rus)
[Transplantation of bone transplants sterilized with chemical agents] Savel'ev VI.
Ortop Travmatol Protez 31:21-4, Oct 70 (Rus)
[Effectiveness of active measures against the parenteral route of infectious hepatitis spread] Iasinskii AA, et al. Sov Med 34:133-5, Jan 71 (Rus)
[Disinfection of removable dental prosthesis with an aqueous solution of basic aluminum oxychloride] Evenshtein ZM.
Stomatologiia (Mosk) 49:102-3, Jul-Aug 70 (Rus)
[Optimal regimen for chamber disinfection with a vapor-air mixture in dermatomycoses] Leschenko VM, et al.
Vestn Dermatol Venerol 44:44-7, Nov 70 (Rus)
[Chemical disinfection of some objects in epidemic keratoconjunctivitis] Andzhelov VO, et al.
Vestn Oftalmol 1:69-2, Jan-Feb 70 (Rus)
[Disinfection of liquid manure in listeriosis] Baranenkov MA. Veterinariia 12:18-20, Dec 70 (Rus)
[New devices for washing and disinfecting milking machines] Beliaevskii Iul, et al.
Veterinariia 8:29-33, Aug 70 (Rus)
[Effectiveness of ethylene oxide and methyl bromide on spores of Nosema apis] Grobov OF, et al.
Veterinariia 6:66-7, Jun 70 (Rus)
[Bacteriological method of controlling the quality of livestock premises disinfection] Iarnykh VS, et al.
Veterinariia 6:34-6, Jun 70 (Rus)
[Effectiveness of milk pasteurization in brucellosis] Milianovskii AG, et al.
Veterinariia 12:15-7, Dec 70 (Rus)
[Method of cold sterilization of catgut] Putilin VM, et al. Voen Med Zh 9:63-5, Sep 70 (Rus)
[Possibility of using diocid for sterilizing homotransplants] Suchkov VB, et al.
Voen Med Zh 8:80-1, Aug 70 (Rus)
[Accelerated sterilization of surgical materials, and disinfection of the surgeon's hands and the surgical field] Zhitniuk ID, et al.
Voen Med Zh 10:75-7, Oct 70 (Rus)
[New physical method of conserving drinking water] Zhuk EG. Voen Med Zh 7:48-50, Jul 70 (Rus)
[Hygienic characteristics of some grades of heat-resistant resins used in milk pasteurizers] Rakhmanina NL, et al.
Vopr Pitan 29:57-60, Jul-Aug 70 (Rus)
[Use of benzyl alcohol for the sterilization of radioactive injection preparations] Kotliarov LM.
Zh Mikrobiol Epidemiol Immunobiol 47:127-31, Sep 70 (Rus)
[The combined effect of gamma-irradiation and heat on staphylococci] Pershina ZG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:27-9, Dec 70 (Rus)
[Action of ionizing radiations on microorganisms and radiation sterilization (review)] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:75-80, May 71 (66 ref.) (Rus)
[Possibility of sterilizing antigen preparations from typhoid bacteria by ionizing radiation] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:120-5, Apr 71 (Rus)
[Water disinfection with impulse electric charges] Zhuk EG.
Zh Mikrobiol Epidemiol Immunobiol 48:99-103, Jan 71 (Rus)
[Disinfection in sanitation microbiology] Piedrola Gil G, et al. Med Trop (Madr) 46:191-220, Jan-Dec 70 (Spa)
[Sterilization of plastic materials by ultraviolet radiation] Venth M.
Microbiol Esp 23:73-105, Apr-Jun 70 (Spa)
[Ethylene oxide sterilization in hospitals] Nyström B.
Lakartidningen 67:4657-63, 7 Oct 70 (Swe)
[Effect of skin coating with some reductive compounds on the alcohol concentration in blood] Otašević V, et al. Med Glas 24:124-7, Mar 70 (Cro)

INSTRUMENTATION

Sterilization by filtration. Leach KG.
J Nucl Med 12:140-1, Mar 71
New unit for disinfecting hyperbaric oxygen chambers.
Radiography 36:228-9, Sep 70
Anaerobic disinfection of seed against Ustilago nuda (Jens.) Rostr. and Ustilago tritici (Pers.) Rostr. According to a new method and with a new equipment. Ujević I, et al.
Zentralbl Bakteriol [Naturwiss] 125:678-706, 1970
[Laminary flux enclosures]
Pathol Biol (Paris) 18:917, Oct 70 (Fre)
[New sterile department for hospital maintenance] Büttner B. Pharm Prax 11:260-2, 1970 (Ger)
[Transportable thermoelectric measuring equipment for the testing of sterilizers] Fritzsche L, et al.
Pharm Prax 11:248-50, 1970 (Ger)
[Large area sterilizator SD 570 in the sterile department of a hospital pharmacy] Irmscher H, et al.
Pharm Prax 4:91-3, 1971 (Ger)
[Remarks on the publication of K. Ehrhardt's, "Plan for creation of a semi-automatic bottle rinsing installation in a closed system operated by hot water", Pharmaceutische Praxis, Number 1-1967] Meyer R.
Pharm Prax 10:290, Oct 67 (Ger)
[A simple device for germ destruction in culture media in autoclaves] Voigt HU.
Z Med Labortech 12:16-8, 1971 (Ger)
[Gas sterilization of tissue transplants and a stationary installation for this purpose] Savel'ev VI.
Ortop Travmatol Protez 32:76-8, Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Methods of improving the quality of prevention of the injection form of serum hepatitis] Dubovskif VG. Zh Mikrobiol Epidemiol Immunobiol 46:106-8, Oct 69 (Rus)

[Cellulose derivative filters for sterilization of air and liquids] Ermolenko IN, et al. Zh Mikrobiol Epidemiol Immunobiol 47:107-11, Feb 70 (Rus)

STERILIZATION, SEXUAL (E4)

Improving the quality of life. Flowers CE Jr. Ala J Med Sci 7:297-9, Jul 70

Bilateral partial vasectomy for elective sterilization. Greene LF. Am Fam Physician 4:73-80, Aug 71

Voluntary sterilization. Gonzales B. Am J Nurs 70:2581-3, Dec 70

Evaluation of cesarean section hysterectomy as a sterilization procedure. Brenner P, et al. Am J Obstet Gynecol 108:335-9, 1 Oct 70

Interval tubal sterilization via laparoscopy. Cohen MR, et al. Am J Obstet Gynecol 108:458-61, 1 Oct 70

Vaginal hysterectomy: a modality for therapeutic abortion and sterilization. Laufe LE, et al. Am J Obstet Gynecol 110:1096-9, 15 Aug 71

Laparoscopic tubal sterilization. Peterson EP, et al. Am J Obstet Gynecol 110:24-31, 1 May 71

Effects of laparoscopic tubal ligation on arterial blood gases. Drury WL, et al. Anesth Analg (Cleve) 50:349-51, May-Jun 71

Anesthetic considerations in cesarean hysterectomy. LaPlatney DR, et al. Anesth Analg (Cleve) 49:328-30, Mar-Apr 70

Reversibility of vasectomy. Cattolica EV. Ann Intern Med 75:475, Sep 71

Medico-legal implications of vasectomy. Potts IF. Br J Urol 42:737-8, Dec 70

Laparoscopic sterilization through Cusco's speculum. Greenhalf JO, et al. Br Med J 3:304, 31 Jul 71

A male sterilization clinic. Jackson P, et al. Br Med J 4:295-7, 31 Oct 70

Technique of vasectomy. Schmidt SS. Br Med J 2:524-5, 29 May 71

Laparoscopic sterilization through Cusco's speculum. Steele SJ, et al. Br Med J 3:430, 14 Aug 71

Male sterilization. Walton HC. Br Med J 4:748, 19 Dec 70

Voluntary sterilization. Alderman PM. Can Med Assoc J 103:1391 passim, 19 Dec 70

Impact on hospital practice of liberalizing abortions and female sterilizations. Claman AD, et al. Can Med Assoc J 105:35-41, 10 Jul 71

Control of fertility by sterilization. Can Med Assoc J 104:527-8, 20 Mar 71

Vasectomy. Todd IA. Can Nurse 67:20-3, Aug 71

Feasibility study on the use of a tissue adhesive for the nonsurgical blocking of fallopian tubes. Phase I: evaluation of a tissue adhesive. Grode GA, et al. Fertil Steril 22:552-5, Sep 71

Sterilization by cryosurgery a report of animal fertility studies. Hulka JF, et al. Fertil Steril 22:170-7, Mar 71

Reversibility of sterilization produced by vas occlusion clip. Jhaver PS, et al. Fertil Steril 22:263-9, Apr 71

Vasectomy in the army. Varma RN, et al. Indian J Med Res 59:655-9, Apr 71

Tubal occlusion: a comparative study. Omran KF, et al. Int J Fertil 15:226-41, Oct-Dec 70

Laboratory studies on radiation-induced dominant lethality in sperms in population control of the mosquito Culex pipiens fatigans Wied. Koshy T, et al. Int J Radiat Biol 18:521-30, 1970

Voluntary sterilization. DeLee ST. Int Surg 54:304-11, Oct 70

Temporary occlusion of ductus deferens. Moon KH, et al. Invest Urol 8:292-8, Nov 70

Suprascrotal vasectomy. Gupta SM. J Indian Med Assoc 54:561-3, 16 Jun 70

Suprascrotal vasectomy. Gupta SM. J Indian Med Assoc 54:561-3, 1 Jul 70

Abdominal sterilization using the proctoscope. Stevenson TC. J Obstet Gynaecol Br Commonw 78:273-6, Mar 71

The serum level of immunoreactive LH in intact and spayed androgen-sterilized rats. Labhsetwar AP. J Reprod Fertil 23:349-52, Nov 70

Vasectomy. Schmidt SS. JAMA 216:522, 19 Apr 71

Sterilization on abortion. Gudgeon D. Lancet 1:1240, 12 Jun 71

Vasectomy. Monro JK. Lancet 1:350, 13 Feb 71

Tubal-ligation failures. Scott JS. Lancet 1:919, 1 May 71

Semen examinations after vasectomy. Smith JC. Lancet 1:38, 2 Jan 71

Semen examinations after vasectomy. Temple JG, et al. Lancet 2:1258, 12 Dec 70

Voluntary male sterilization. Med J Aust 1:347, 6 Feb 71

Voluntary male sterilization. Med J Aust 1:455-6, 27 Feb 71

Sterilization. A case of extensive practice in a developing nation. Cowgill DO, et al. Milbank Mem Fund Q 49:363-78, Jul 71

Voluntary sterilization and the medical profession. Edey H. NY State J Med 71:483-4, 15 Feb 71

Vaginal tubal ligation. McMaster RH, et al. Obstet Gynecol 38:44-50, Jul 71

Chemical induction of tubal blockade in the monkey. Neuwirth RS, et al. Obstet Gynecol 38:51-4, Jul 71

Tubal sterilization. A new laparoscopic method. Soderstrom RM, et al. Obstet Gynecol 38:152-4, Jul 71

The place and timing of contraception and sterilization. Diggory P. Practitioner 206:409-11, Mar 71

Sterilization and family planning. Elstein M. Practitioner 205:30-7, Jul 70

Physicians and contraception: a study of perceptions and practices in an urban Southeastern United States community. Measham AR, et al. South Med J 64:499-503, Apr 71

Surgical control of population. Lockhart WE. Tex Med 66:24-6, Nov 70

Post-partum sterilization. Pathak UN. West Indian Med J 20:17-24, Mar 71

The case for voluntary sterilization. Rattan WC. Wis Med J 69:20-1, Aug 70

[Sterilization of fallopian tubes during laparoscopy] Vojta M. Cesk Gynekol 35:602-3, Dec 70 (Cse)

[Contraception by vasectomy] Scholtmeijer RJ. Ned Tijdschr Geneeskd 115:1419-21, 21 Aug 71 (Dut)

[Parathion, embryonic development, sterilization and estrogen effects in birds. Comparison with the effects of aldrin] Lutz-Ostertag Y, et al. Annee Biol 9:501-7, Jul-Oct 70 (Fre)

[A technic of tubal sterilization by vaginal route: vesico-uterine interposition of the Fallopian tubes] Dargent D, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:456-8, Sep-Oct 69 (Fre)

[Reestablishment of tubal permeability after Madlener's sterilization] Milochevitch B. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:352-5, 1968 (Fre)

[114 cases of fallopian tube ligation by low approach] Ostowar R. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:501-2, 1968 (Fre)

[Per-celioscopic tubal sterilization by isthmic electrocoagulation] Palliez R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:449-51, Sep-Oct 70 (Fre)

[Interstitial tubal sterilization] Skouvakiis M. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:488-90, 1968 (Fre)

[Sterilization by ovariotexy, a reversible technic] Wood C, et al. Gynecol Prat 21:299-305, 1970 (Fre)

[Sterilization of Coturnix coturnix quails by x-rays] Brard E. J Physiol (Paris) 63:Suppl 3:354-5, 1970 (Fre)

[Voluntary sterility] Lamonde D, et al. Laval Med 42:323-31, 1971 (Fre)

[Apropos of male sterilization. Psychosociologic implications] Gloor PA. Praxis 60:281-7, 2 Mar 71 (Fre)

[Celioscopic sterilization of the Fallopian tubes] Ravina JH. Presse Med 79:141, 23 Jan 71 (Fre)

[Health protection and irreversible contraception (sterilization) in women] Rothe J. Dtsch Gesundheitsw 25:555-60, 25 Mar 70 (Ger)

[Tubal sterilization as seen through the laparoscope. New technic and report of results] Frangenheim H. Geburtshilfe Frauenheilkd 31:622-8, Jul 71 (Ger)

[Statistical and sociological aspects after sterilization surgery] Schneider HE. Geburtshilfe Frauenheilkd 30:1064-70, Dec 70 (Ger)

[Voluntary sterilization and reform of the criminal law] Eser A. Med Welt 40:1751-9, 3 Oct 70 (Ger)

[Possible consequences of voluntary sterilization in women. Preoperative evaluation] Schneider HE. Munch Med Wochenschr 113:1185-8, 3 Sep 71 (Ger)

[Psychological stress as an indication criterion. Remarks on "medicamentous castration"] Horn HJ. Nervenarzt 42:312-6, Jun 71 (Ger)

[Traditional contraceptive methods] Glatthaar E. Ther Umsch 27:646-51, Oct 70 (Ger)

[Sterilization of the male] Gerecht W. Urologe 10:177, Jul 71 (Ger)

[Transvaginal Madlener's surgery, introduction of glassfiber illumination and variation in operative method] Ishii T, et al. Sanfujinka Jissai 19:1071-5, Oct 70 (Jap)

[Sterilization of women in the light of Polish legislation] Wieszczycki W, et al. Ginekol Pol 41:1153-6, Oct 70 (Pol)

[Pregnancy after sterilization by Madlener's method] Radulović B, et al. Srp Arh Celok Lek 98:937-9, Jun 70 (Ser)

[Prophylactic tubal sterilization] Colmeiro-Laforet C. Acta Obstet Ginecol Hisp Lusit 18:263-78, Nov 70 (80 ref.) (Spa)

[Critical examination of request for sterilization of mentally defective persons] Grunewald K. Lakartidningen 67:5091-5, 28 Oct 70 (Swe)

[Indications for sterilization of the mentally disturbed have to be reevaluated] Grunewald K. Lakartidningen 67:5096-102, 28 Oct 70 (Swe)

[The Parliament requested overhaul in sterilization law] Lakartidningen 67:5732, 2 Dec 70 (Swe)

ADVERSE EFFECTS

Vasectomy and adverse psychological reactions. Ziegler FJ. Ann Intern Med 73:853, Nov 70

Sterilization of young wives. Houseman RJ. Br Med J 3:184, 17 Jul 71

Scrotal gangrene after male sterilization. Pryor JP, et al. Br Med J 1:272, 30 Jan 71

Sterilization of young wives. Whitehouse DB. Br Med J 2:707, 19 Jun 71

Sterilization and thrombo-embolism. Turner G, et al. J Obstet Gynaecol Br Commonw 78:737-40, Aug 71

[Pregnancy following electrocoagulaton of the fallopian tubes using laparoscopy] Hahn J. Arch Gynaekol 211:405, 4 Jun 71 (Ger)

[Compensation of forcibly sterilized gypsies. (Sociopsychological influences on mental disorders in National Socialistic persecutees)] Petersen P, et al. Nervenarzt 42:197-205, Apr 71 (Ger)

[Mental disturbances following vasectomy?] Schirren C. Z Allgemeinmed 47:871, 10 Jun 71 (Ger)

[Vasectomy] Schirren C. Z Hant Geschlechtskr 46:317-8, 1 May 71 (Ger)

INSTRUMENTATION

Vanadium clips for sterilization operations. Moss HC. JAMA 215:639, 25 Jan 71

VETERINARY

Pituitary gonadotrophins (follicle-stimulating hormone and interstitial cell-stimulating hormone) and seminal vesicular fructose after long-term vasectomy in bulls. Rakha AM, et al. Fertil Steril 22:581-3, Sep 71

A comparison between the use of a vasectomised ram and hormone impregnated intravaginal sponges. Ross DB. Vet Rec 87:273-5, 29 Aug 70

[Attempt at temporary sterilization of female calves using gestagenic agents] Arbeiter K. Wien Tieraerztl Monatsschr 58:204-6, 1971 (Ger)

[Distribution of absorbed doses during local irradiation of animals] Korenkov IP, et al. Veterinariia 6:79-80, Jun 70 (Rus)

STERNOCLAVICULAR JOINT (A2)

Changes in the sternoclavicular joint following radical neck dissection. Gorman JB, et al. Am J Roentgenol Radium Ther Nucl Med 111:584-7, Mar 71

Acute arthritis of the sternoclavicular joint due to coliform bacillus. Delevett AF, et al. Conn Med 34:829-30, Sep 70

[The embryonal development of the human sternoclavicular joint] Olah AJ, et al. Acta Anat (Basel) 78:383-405, 1971 (Ger)

[Luxations of the clavicula and their possible treatment] Riedeberger J, et al. Zentralbl Chir 95:653-8, 30 May 70 (Ger)

INJURIES

Trauma rounds, Montreal General Hospital. Sternoclavicular dislocation. (Case P55). Can Med Assoc J 104:1016-7, 5 Jun 71

Retrosternal dislocation of the clavicle. Peacock HK, et al. South Med J 63:1324-8, Nov 70

[The conservative treatment of retrosternal clavicular luxation] Felder K, et al. Monatsschr Unfallheilkd 72:76-80, Feb 69 (Ger)

SURGERY

[Unusual complication following use of Kirschner wires for treatment of sternoclavicular dislocation] Straube K, et al. Monatsschr Unfallheilkd 74:325-9, 1971 (Ger)

TRANSPLANTATION

Construction of the temporomandibular joint by transplanting the autogenous sternoclavicular joint. Snyder CC, et al. South Med J 64:807-14, Jul 71

STERNOCOSTAL JOINTS see under RIBS (A2)

STERNUM (A2)

Radiological notes. Case No. 342. Bloch C, et al. Mt Sinai J Med NY 37:719, Nov-Dec 70

[A case of Waldenstrom's macroglobulinemia with osseous tumor] Liaudet J, et al. Presse Med 78:2381, 12 Dec 70 (Fre)

[Unusual differential diagnosis of suboccipital Pott's disease: sternal and occipito-atloid African histoplasmosis] Bloch-Michel H, et al. Rev Rhum Mal Osteoartic 38:247-53, May 69 (Fre)

[Traumatic injuries to the chest wall from blunt objects] Rehn J. Munch Med Wochenschr 113:541-3, 9 Apr 71 (Ger)

[Pseudotumoral osseous change of the sternum during chronic leukemia in an adult] Monetti N, et al. Fracastoro 63:74-80, Jan-Feb 70 (Ita)

[Sternal puncture in cattle] Ivanov VP, et al. Veterinariia 11:87, Nov 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ABNORMALITIES

Surgical treatment of pectus carinatum. Lam CR, et al.
Arch Surg 103:191-4, Aug 71
A histological and histochemical study of the development of the sternum in thalidomide-treated rats. Globus M, et al. Teratology 1:235-55, Aug 68
Congenital cleft sternum. Eijgelaar A, et al.
Thorax 25:490-8, Jul 70
[Sternal fissure surgically treated at the 10th hour after birth] Marion P, et al.
Ann Chir 23:159-61, Feb 69 (Fre)
[Sternum bifidum. Correction by interposition of cartilagenous autograft] Chaubin F.
Ann Chir Thorac Cardiovasc 7:593-6, Apr 68 (Fre)
[Surgical correction of congenital sternal clefts] Daum R, et al. Thoraxchirurgie 18:432-6, Oct 70 (Ger)
[The cleft sternum. Clinical picture and therapy] Wischnack H.
Zentralbl Chir 95:878-91, 25 Jul 70 (59 ref.) (Ger)
[Sternal dysrhaphia. (Pathogenetic and clinical considerations] Francesconi G, et al.
Minerva Chir 25:1231-9, 30 Sep 70 (Ita)
[Surgery of congenital absence of the sternum in children] Dol'nitskif OV, et al.
Khirurgiia (Mosk) 22:133-5, Apr 69 (Rus)

ANATOMY & HISTOLOGY

A trial to assess the value of xiphoid cartilage measurements and carcass weight for age determination in sheep. Kaferstein FK.
NZ Vet J 18:149-51, Aug 70

EMBRYOLOGY

[The embryonal development of the human sternoclavicular joint] Oláh AJ, et al.
Acta Anat (Basel) 78:383-405, 1971 (Ger)

INJURIES

[Fracture of the sternum] Prahl P.
Ugeskr Laeger 133:881-3, 7 May 71 (Dan)
[Undiagnosed sternal fracture resulting from an accident] Hoffmann G.
Hefte Unfallheilkd 99:284-5, 1969 (Ger)
[Sternal body fracture in a four year old child] Schulte HD. Zentralbl Chir 95:892, 25 Jul 70 (Ger)
[Closed treatment of multiple fractures of the ribs and sternum] Reut NI.
Grudn Khir 13:85-6, Mar-Apr 71 (Rus)
[Apparatus for sternal extension in multiple fractures of the ribs and sternum] Reut NI.
Vestn Khir 105:110-1, Jul 70 (Rus)
[A case of sternal fracture in a child] Rajić S, et al.
Srp Arh Celok Lek 98:119-24, Jan 70 (Ser)
[Fractures of the sternum in children] Fortýn K, et al.
Rozhl Chir 49:625-31, Dec 70 (Slo)

METABOLISM

Reduced synthesis of chondroitin sulfate by cartilage from the mutant, nanomelia. Fraser RA, et al.
Biochem Biophys Res Commun 43:494-503, 7 May 71

PATHOLOGY

Morphological studies on the bone tissue of sternum in osteomyeloscleroses, panmyelosis and chronic myeloleukosis. Velizarov A, et al.
Nauchni Tr Vissh Med Inst Sofiia 49:61-71, 1970

PHYSIOPATHOLOGY

An evaluation of sternal tenderness as a sign of leukaemia. McAndrew GM, et al.
Acta Haematol (Basel) 43:309-12, 1970

RADIOGRAPHY

[Method of sternum zonography] Pozmogov AI, et al.
Ortop Travmatol Protez 31:64-5, Nov 70 (Rus)

SURGERY

Brachial plexus injury following median sternotomy incision. Kirsh MM, et al.
Ann Thorac Surg 11:315-9, Apr 71
Resection of the entire sternum and replacement with acrylic resin. Report of a case of giant chondromyxoid fibroma. Alonso-Lej F, et al.
J Thorac Cardiovasc Surg 62:271-80, Aug 71
Rhabdomyosarcoma of the sternum. The surgical management and the availability of techniques of sternal reconstruction. Calinog TA, et al.
J Thorac Cardiovasc Surg 61:811-8, May 71
Subxiphoid pericardial window. A simple and safe method for diagnosing and treating acute and chronic pericardial effusions. Fontenelle LJ, et al.
J Thorac Cardiovasc Surg 62:95-7, Jul 71
Chondrosarcoma of sternum. Report of a six-year survival. Peabody CN.
J Thorac Cardiovasc Surg 61:638-40, Apr 71
A modified technique for secure median sternotomy closure. Lambert CJ, et al. Surgery 69:393, Mar 71
[Cardiac bullet wound: value of longitudinal median sternotomy] Contamin C, et al.
Ann Chir Thorac Cardiovasc 9:235-9, Jul 70 (Fre)
[Value of longitudinal median sternotomy in the treatment of severe injuries and contusions of the chest] Contamin C, et al.
Ann Chir Thorac Cardiovasc 10:213-7, 1971 (Fre)
[Anatomic bases of transcutaneous presternal fixation-suspension; its value in treatment of various anterior flail chests] Neidhardt JH, et al.
Lyon Med 222:561-3, 12 Oct 69 (Fre)
[Mediastinotomy and joining of the sternum] Golikov GT. Khirurgiia (Mosk) 46:19-23, Dec 70 (Rus)

STEROIDS (D2)

Long-term application of steroids enclosed in dimethyl-polysiloxane (silastic): in vitro and in vivo experiments. Schuhmann R, et al.
Acta Biol Med Ger 24:897-910, 1970
The ultrastructure of liver cells in women under steroid therapy. I. Normal pregnancy and trophoblastic growths. Gonzáles-Angulo A, et al.
Acta Endocrinol (Kbh) 65:193-206, Oct 70
Hexose-6-phosphate dehydrogenase: distribution in rat tissues and effect of diet, age and steroids. Mandula B, et al. Arch Biochem Biophys 141:155-61, Nov 70
Topography of nucleic acid helices in solutions. Proton magnetic resonance studies of the interaction specificities of steroidal amines with nucleic acid systems. Gabbay EJ, et al.
Biochemistry 10:1665-74, 27 Apr 71
Steroids and their interactions with phospholipids: solubility, distribution coefficient and effect on potassium permeability of liposomes. Heap RB, et al.
Biochim Biophys Acta 218:482-95, 15 Dec 70
Microbiological hydroxylation of steroids. II. Structural information and infrared spectrometry: carbonyl, perturbed methylene, and hydroxy-vibrations of steroidal ketones and alcohols. Boul AD, et al. J Chem Soc [Org] 6:1130-6, 1971
Intramolecular catalysis. 3. Catalysis by oxygen-containing groups in the acetylation of hydroxy steroids. Blickenstaff RT, et al.
J Org Chem 36:1271-7, 7 May 71
Stereochemistry of the palladium-catalyzed hydrogenation of 3-oxo-4-ene steroids. 3. The effects of the functional groups at C-11,C-17, and C-20 on the hydrogenation. Mori K, et al.
J Org Chem 36:231-3, 15 Jan 71
Structural approach to partitioning: Estimation of steroid partition coefficients based upon molecular constitution. Flynn GL. J Pharm Sci 60:345-53, Mar 71
On the mechanism of steroid fluorescence in sulfuric acid. I. The formation of trienones. Sadée W, et al.
Steroids 17:595-606, May 71
The conversion of steroidal lactones to ortho esters. LeMahieu RA, et al.
Tetrahedron Lett 58:5111-2, Dec 70
[Differential enthalpic analysis of systems dipalmitoyl lecithin-steroids-water] Monniot E, et al.
C R Acad Sci [D] (Paris) 273:101-4, 5 Jul 71 (Fre)
[TTC-reaction of alpha-ketolsteroids. 2. Reichstein S] Möhrle H, et al.
Arch Pharm (Weinheim) 303:771-4, Sep 70 (Ger)
[Purification and characterization of a 3'-phosphoadenylylsulfate: steroid sulfotransferase from human liver] Gugler R, et al.
Biochim Biophys Acta 220:69-84, 14 Oct 70 (Ger)
[Biochemistry and biology of steroid hormones] Schriefers H.
Dtsch Med J 21:936 passim, 20 Jul 70 (Ger)
[Evidence for involvement of 2 enzymes in the process of microbiological 1,2-dehydration and reduction of the delta'-bond in the ring of A steroids] Lestrovaia NN, et al. Biokhimiia 35:843-5, Jul-Aug 70 (Rus)

ADMINISTRATION & DOSAGE

[Modification of steroid and corticotropin therapeutic administration in some inferior chronic aspecific respiratory affections (I.C.A.R.A.)] Rambaldi M, et al.
Arch Monaldi 25:458-517, Nov-Dec 70 (Ita)
[Clinical testing of a new steroid nasal spray] Ferri GR.
Otorinolaringol Ital 38:221-31, 1970 (Ita)

ADVERSE EFFECTS

Steroid dependent asthma. Taub SJ.
Eye Ear Nose Throat Mon 50:67, Feb 71
The long-term effects of steroid contraceptives. Doll R.
J Biosoc Sci 2:367-89, Oct 70
Steroid arthropathy. Strachan JC.
Proc R Soc Med 64:711-3, Jul 71
[Clinical observations on the effect of pharmacotherapy, with special reference to steroid hormone therapy, on the embryonic development] Piotrowski J. Folia Med Cracov 13:101-35, 1971 (Pol)
[Steroid diabetes] Nowotna-Walcowa R.
Pol Tyg Lek 26:140-2, 25 Jan 71 (Pol)
[Roentgenodiagnosis of steroid osteopathy] Izaak AP.
Vestn Rentgenol Radiol 45:85-8, Sep-Oct 70 (Rus)

ANALYSIS

Determination of specific activities of labeled steroids using gas-liquid chromatography and a fraction collector. Cooke BA. Anal Biochem 32:198-203, Nov 69
Adaptation of multiple internal reflection (MIR) spectroscopy to the identification of steroids from thin-layer chromatographic zones. Saier EL, et al.
Anal Biochem 37:345-52, Oct 70
Quantitative aspects of spectrodensitometry of thin layer chromatograms. Touchstone JC, et al.
Anal Chem 43:858-63, Jun 71
Steroids in amniotic fluid. Klopper A.
Ann Clin Res 2:289-99, Dec 70 (47 ref.)
Excretion of neutral steroid hormones in human bile. Laatikainen T. Ann Clin Res 2:Suppl:1-28, 1970
Electron capture detection of steroids isolated from biological samples. Molen HJ van der.
Ann Clin Res 2:79-88, Dec 70 (56 ref.)
Effect of reduction of the intestinal microflora on the excretion of neutral steroids in human faeces and urine. Jänne OA, et al.
Eur J Biochem 20:120-3, 11 May 71
Thin-layer partition chromatography of steroids using volatile stationary phases. Watson DJ, et al.
J Chromatogr 54:91-5, 6 Jan 71
Steroids and sterols in meconium. Kinsella RA Jr, et al.
J Clin Endocrinol Metab 32:801-18, Jun 71
The effect of a strict vegetarian diet on the faecal flora and faecal steroid concentration. Aries VC, et al.
J Pathol 103:54-6, Jan 71
Steroids and squalene in Methylococcus capsulatus grown on methane. Bird CW, et al.
Nature (Lond) 230:473-4, 16 Apr 71
Trimethylbromosilane catalyzed trimethylsilylation of slowreacting hydroxy- and oxosteroids in gas chromatographic-mass spectrometric analysis. Aringer L, et al. Steroids 17:377-98, Mar 71
[Steroidal alkaloids 98. Chemical constitution of the seeds of Holarrhena floribunda (G. Don) Dur. and Schiz: cycloartenol, nor-31 lanosterol, dehydro-24 lophenol, desmosterol and steroidal alkaloids: conessine, isoconessimine, conamine and conarrhimine] Conreur C, et al.
Ann Pharm Fr 28:849-60, Nov 70 (Fre)
[Spectrophotometric determination of steroids and triterpenoid compounds] Kartnig T, et al.
Arch Pharm (Weinheim) 303:767-70, Sep 70 (Ger)
[A method for the fluorometric determination of oxosteroids using dansylhydrazine] Graef V.
Z Klin Chem Klin Biochem 8:320, May 70 (Ger)
[On testicular steroidogenesis in feminized rats born from a mother treated with an antiandrogen (cyproterone acetate)] Bottiglioni F, et al.
Ann Ostet Ginecol 91:379-99, Jun 69 (Ita)
[Ketosteroids in the prepericardic body of Bufo bufo] Dore B, et al.
Boll Soc Ital Biol Sper 47:136-8, 15 Mar 71 (Ita)
[Steroid substances in chemico-toxicological investigations. II. Experimental study of their chromatographic detection] Boisio ML, et al.
Minerva Medicolog 90:11-5, Jan-Jun 70 (Ita)
[Analytical chemical studies on steroids. XXXIX. Polarography of ketosteroid methyloximes] Shinriki N, et al. J Pharm Soc Jap 91:151-8, Feb 71 (Jap)
[Recent progress in the quantitative analysis of steroid hormones. Fluorometry] Osawa N, et al.
Jap J Clin Med 29:1456-63, May 71 (Jap)
[Use of the methods of objective phttometry for the quantitative determination of some steroid hormones] Kovalenko LI.
Farmatsiia 17:36-42, Jul-Aug 68 (Rus)

BIOSYNTHESIS

Production of antibiotics by Epidermophyton floccosum. 5. Relation between the "epidermophyton factor" (EPF) and some steroid antibiotics, particularly fucidin. Wallerström A.
Acta Pathol Microbiol Scand [B] 78:395-400, 1970
Spectrophotometric methods for monitoring the microbial transformation of steroids. I. Determination of 9-alpha-fluorohydrocortisone and 9-alpha-fluoro-16-alpha-hydroxyhydrocortisone in fermentation broths. Ivashkiv E.
Appl Microbiol 20:251-3, Aug 70
Lack of influence of Ro 4-6347 on the steroidogenesis of human corpus luteum slices in vitro in contrast to clomiphene and cyclofenil. Hammerstein J.
Bull Schweiz Akad Med Wiss 25:296-9, Oct 70
The biosynthesis of ovarian steroids. Lacroix E, et al.
Bull Soc R Belge Gynecol Obstet 39:317-25, Jul-Aug 69
Steroidogenesis in post- and pre-spawned ovaries of a cichlid fish, Tilapia aurea. Eckstein B, et al.
Comp Biochem Physiol 38:329-38, 1 Feb 71
Inhibition of steroidogenesis at various sites in the biosynthetic pathway in relation to induced ovulation. Lipner H, et al. Endocrinology 88:602-7, Mar 71
The ovary of the guppy Poecilia reticulata. The granulosa cells as sites of steroid biosynthesis. Lambert JG. Gen Comp Endocrinol 15:464-76, Dec 70
Steroidogenesis in the blue crab Callinectes sapidus Rathbun. Tcholakian RK, et al.
Gen Comp Endocrinol 17:115-24, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cessation of steroidogenesis in Leydig cell tumors after removal of luteinizing hormone and adenosine cyclic 3',5'-monophosphate. Moyle WR, et al. J Biol Chem 246:4978-82, Aug 71

Possible role of cyclic AMP in the short term regulation of adrenal steroidogenesis. Berger GM. Nature (Lond) 232:474-6, 13 Aug 71

Steroidal free radicals as possible intermediates in the biosynthesis of C19-delta 16-steroids. Lippman V, et al. Proc Natl Acad Sci USA 67:1754-60, Dec 70

Studies on the structure and function of the mammalian testis. 3. In vitro steroidogenesis by the seminiferous tubules of rat testis. Bell JB, et al. Proc R Soc Lond [Biol] 176:433-43, 12 Jan 71

[Studies on the biosynthesis of steroid sex hormones from radioactive precursors by chick embryo gonads cultivated in vitro] Haffen K. Annee Biol 9:491-4, Jul-Oct 70 (Fre)

[Endocrine activity of the ovary of Nectophrynoides occidentalis Angel (viviparous anuran amphibian). II. In vitro synthesis of steroids] Xavier F, et al. Gen Comp Endocrinol 16:30-40, Feb 71 (Fre)

[In vitro steroidogenesis in ovarian tissue from normal children and from subjects with congenital adrenogenital syndrome without loss of salts] Bottiglioni F, et al. Minerva Pediatr 22:3429-31, 8 Dec 70 (Ita)

[Histochemical distribution of various enzymes of steroidogenesis in the umbilical cord and in the human ovular membranes at term] Chiantera A, et al. Riv Anat Patol Oncol 33:621-32, 1968 (Ita)

[Steroidogenesis in the feto-placentary unit] Zárate A. Ginecol Obstet Mex 28:539-43, Nov 70 (Spa)

BLOOD

Reproductive steroids in the bovine. II. Comparison of freemartins to fertile heifers. Randel RD, et al. J Anim Sci 32:318-26, Feb 71

Plasma testosterone binding globulin and indexes of the concentration of unbound plasma androgens in normal and hirsute subjects. Rosenfield RL. J Clin Endocrinol Metab 32:717-28, Jun 71

Determination of unconjugated and sulfated neutral steroids in human fetal blood of early and mid-pregnancy. Huhtaniemi I, et al. Steroids 16:197-206, Aug 70

CHEMICAL SYNTHESIS

Synthesis of 3-trifluoromethyl steroids. Pascual AF, et al. J Med Chem 14:164-7, Feb 71

New compounds: Steroidal spiroethers. Singh B, et al. J Pharm Sci 60:491-2, Mar 71

Steroidal triphenyl phosphonium salts, versatile intermediates for side chain modifications. Herz JE, et al. Steroids 17:649-52, Jun 71

A novel reaction of nitric acid with steroids. Narayanan CR, et al. Tetrahedron Lett 54:4703-5, Nov 70

[XCII steroid alkaloids. Partial synthesis from holarrhenine of substituted in 12 derivatives of N-demethyl (5 alpha) conene-20 (N) one-3] Lukacs G, et al. Ann Pharm Fr 28:363-76, May 70 (Fre)

[New method for isomerization of some steroid alcohol groups] Valcavi U. Farmaco [Sci] 26:113-7, Feb 71 (Ita)

[Complete synthesis of the 1st representative of A,B-indolesteroids] Sladkov VI, et al. Dokl Akad Nauk SSSR 198:605-7, 21 May 71 (Rus)

ISOLATION & PURIFICATION

Formation of hydrogen sulphates as a means of separating alcoholic from non-alcoholic steroids. Norymberski JK, et al. Biochem J 119:795-6, Oct 70

Separation of delta-4-3-oxo steroids and delta-5-3-beta-hydroxy steroids by chromatography on digitonin-silica thin layers. Taylor T. Biochem J 118:13P, Jun 70

Rapid liquid-chromatographic separation of steroids on columns heavily loaded with stationary phase. Karger BL, et al. Clin Chem 17:757-64, Aug 71

Quantitative separation of steroids in oil solutions by column chromatography with continous monitoring of the eluate using a flame ionisation detector. Cavina G, et al. Farmaco [Prat] 26:275-87, May 71

Capillary column chromatography of steroids: evaluation of stationary phases. Novotny M, et al. J Chromatogr 56:353-6, 7 Apr 71

Column chromatography of steroids on Sephadex LH-20. Carr BR, et al. J Clin Endocrinol Metab 33:358-60, Aug 71

[Ketonic steroids of Paravallaris microphylla Pitard (Apocynacae)] Husson HP, et al. Bull Soc Chim Fr 5:1688-91, May 71 (Fre)

[Separation of steroids and color indicators on ion exchange resin] Van Damme MP, et al. J Chromatogr 57:158-60, 22 Apr 71 (Fre)

[Column chromatography separation of 4 steroids] De Marco A, et al. Boll Chim Farm 109:490-2, Aug 70 (Ita)

METABOLISM

Steroid metabolism in the human foeto-placental unit. Diczfalusy E. Acta Endocrinol (Kbh) 61:649-64, Aug 69

Quantitative studies of tissue uptake and disposition of hormones. Gurpide E, et al. Acta Endocrinol [Suppl] (Kbh) 153:247-78, 1971

Sustained reease hormonal preparations. Kinci FA, et al. Acta Endocrinol [Suppl] (Kbh) 151:Suppl 151:3+, 1971

Steroid hormone metabolism in responsive tissues in vitro. Robel P. Acta Endocrinol [Suppl] (Kbh) 153:279-94, 1971

Transformation of 4,5-epoxy steroids with Mycobacterium phlei. II. Transformation under anaerobic conditions. Tömörkény E, et al. Acta Microbiol Acad Sci Hung 17:199-204, 1970

Recent advances in human steroid metabolism. Hellman L, et al. Adv Clin Chem 13:1-35, 1970 (122 ref.)

Endocrine control of gestational length. A time to be born. Ryan KJ. Am J Obstet Gynecol 109:299-306, 15 Jan 71

Sexual differentiation in the liver metabolism of steroid hormones organized by testosterone at birth. Denef C, et al. Ann Endocrinol (Paris) 31:Suppl 4:785-8, 1970

Factors influencng the rate of metabolism of steroid hormones in man. Lipsett MB. Ann NY Acad Sci 179:442-9, 6 Jul 71 (43 ref.)

Effects of hydrogen-isotope labelling on steroid metabolism. Brodie HJ, et al. Biochem J 120:667-9, Dec 70

Investigations into the metabolism in vitro of C19 steroids by the sheep placenta. Pierrepoint CG, et al. Biochem J 118:901-2, Aug 70

Interaction of steroid hormones with histones. Sluyser M. Biochem J 118:1P, Jun 70

Metabolism of progesterone and synthetic progestational agents. Breuer H. Bull Schweiz Akad Med Wiss 25:300-15, Oct 70

The fetoplacental unit. Merkatz I, et al. Clin Obstet Gynecol 13:665-86, Sep 70

Bilateral adrenalectomy and steroid replacement in the marsupial Trichosurus vulpecula. Reid IA, et al. Comp Biochem Physiol 26:613-25, Aug 68

Metabolism of steroids in germfree and conventional rats treated with a 3-beta-Hydroxy-delta-5-steroid oxidoreductase inhibitor. Björkhem I, et al. Eur J Biochem 16:557-66, Nov 70

Studies on the metabolism of steroids in the foetus. Biosynthesis of 3-hydroxy-delta 4-C19 steroids in the human foetal liver. Lisboa BP, et al. Eur J Biochem 14:556-9, Jul 70

Microbiological dehydrogenation of tomatidine. Belič I, et al. Experientia 27:626, Jun 71

Steroid transformations by the corpuscles of Stannius and the body kidney of Salmo gairdnerii (Teleostei). Colombo L, et al. Gen Comp Endocrinol 16:74-84, Feb 71

Reproductive steroids in the bovine. 3. Changes during the estrous cycle. Garverick HA, et al. J Anim Sci 32:946-56, May 71

Reproductive steroids in the bovine. VI. Changes and interrelationships from 0 to 280 days of pregnancy. Randel RD, et al. J Anim Sci 33:115-23, Jul 71

Reproductive steroids in the bovine. V. Comparisons of fertile and nonfertile cows 0 to 42 days after breeding. Randel RD, et al. J Anim Sci 33:104-14, Jul 71

The conversion in vitro of C19-steroids to oestrogen sulphates by the sheep placenta. Pierrepoint CG, et al. J Endocrinol 50:537-8, Jul 71

Study of spermatogenesis and steroid metabolism in cultures of mammalian testes. Steinberger E, et al. Recent Progr Horm Res 26:547-88, 1970 (63 ref.)

Some effects of insecticides on hepatic microsomal enzymes in various animal species. Fouts JR. Rev Can Biol 29:377-89, Dec 70

The occurrence of steroids and steroid metabolizing enzyme systems in invertebrates. A review. Lehoux JG, et al. Steroids 16:141-71, Aug 70 (103 ref.)

[Dehydrogenation and enzymatic isomerization of delta 5-3 beta-hydroxysteroids] Grangaud R, et al. Arch Sci Physiol (Paris) 24:419-37, 1970 (169 ref.) (Fre)

[Composition of steroids bound to cytoplasmic receptors of the anterior pituitary and hypothalamus after incubation in the presence of testosterone-3H] Jouan P, et al. C R Acad Sci [D] (Paris) 272:2368-71, 3 May 71 (Fre)

[Physiology and pathology of steroid hormones in childhood] Teller W. Dtsch Med J 21:846-52, 20 Jun 70 (Ger)

[Helveticosol-3H-acetonide. Absorption, tissue distribution and biliary excretion in guinea pigs] Schaumann W, et al. Naunyn Schmiedebergs Arch Pharmakol 266:75-94, 1970 (Ger)

[Absorption, distribution and biliary excretion of some 3H-labelled derivatives of helveticosol] Zielske F, et al. Naunyn Schmiedebergs Arch Pharmakol 265:49-66, 1969 (Ger)

[Hormones and breast tumors] Rass Int Clin Ter 51:125, 31 Jan 71 (Ita)

[Morphological and histochemical changes of the thyroid gland in disorders of steroid balance] Klechikov VZ. Arkh Patol 33:14-20, 1971 (Rus)

[Development of studies on microbiological transformation of steroids in the USSR] Skriabin GK, et al. Izv Akad Nauk SSSR [Biol] 5:742-65, Sep-Oct 67 (95 ref.) (Rus)

[Effect of some cultivation conditions on the ability of mucor fungi Tieghemella hyalospora and rhizopus nigricans to effect 11 alpha-hydroxylation of steroid molecules] Gabinskaia KN, et al. Mikrobiologiia 40:448-54, May-Jun 71 (Rus)

[Effect of adsorption of microbial cells on the transformation of some steroids] Zviagintseva IS, et al. Mikrobiologiia 38:816-20, Sep-Oct 69 (Rus)

PHARMACODYNAMICS

Vaginal cytology in patients treated with steroid combinations. Chiaffitelli HS de, et al. Acta Cytol (Baltimore) 14:344-7, May 70

Steroid structure and inhibition of glucose-6-phosphate dehydrogenase. Oertel GW, et al. Acta Endocrinol [Suppl] (Kbh) 155:144, 1971

Biochemistry and pathology of tryptoPHAN METABOLISM AND ITS REGULATION BY AMINO ACIDS, vitamin B 6 and steroid hormones. Am J Clin Nutr 24:851-746 contd, Jun 71

Maintenance of pregnancy in ovariectomized and nonovariectomized mice as an index of progesterone: steroid synergism and antagonism. Forbes TR. Am J Obstet Gynecol 109:584-7, 15 Feb 71

Resistance to various pesticides induced by catatoxic steroids. Selye H. Arch Environ Health 21:706-10, Dec 70

Hormonal influences upon ethylene glycol poisoning. Szablowska M, et al. Arch Environ Health 23:13-7, Jul 71

The effects of various steroids on pentose-shunt dehydrogenase activity. Altmann FP, et al. Biochem J 118:5P-6P, Jun 70

The effect of 17-alpha-ethinyl-substituted steroids on adenosine triphosphatases of rat liver plasma membrane. Heikel TA, et al. Biochem J 118:187-9, Jun 70

Specificity of the effects of steroids on bilirubin glucuronide transport by liver slice. Adlard BP, et al. Biochim Biophys Acta 237:132-4, 20 Apr 71

Inhibition of catecholamine Uptake-2 by steroids in the isolated rat heart. Iversen LL, et al. Br J Pharmacol 40:528-30, Nov 70

The effect of steroids on the serum protein fractions of the tortoise Testudo elegans Schoepff. Rao CA. Comp Biochem Physiol 26:1119-22, Sep 68

The interaction of steroids with Rana pipiens Oocytes in the induction of maturation. Smith LD, et al. Dev Biol 25:232-47, Jun 71

In vitro adrenal mitochondrial 11 beta-hydroxylation following in vivo adrenal stimualtion or inhibition: enhanced substrate utilization. Laury LW, et al. Endocrinology 87:1380-5, Dec 70

Interaction of drugs, steroids and fatty acids with liver-microsomal cytochrome P-450. Kupfer D, et al. Eur J Biochem 14:317-22, Jun 70

Ultrastructural changes in hepatocytes induced by a steroid carbonitrile. Garg BD, et al. Folia Endocrinol (Roma) 23:357-63, Aug 70

Steroid contraceptives. Vande Wiele RL. Gynecol Invest 1:Suppl:55-68, 1970

Androgenic, anti-androgenic and anabolic activity of azasteroids on immature castrated rats. Saksena SK, et al. Indian J Med Res 58:513-8, Apr 70

The effects of steroid hormones on macrophage activity. Vernon-Roberts B. Int Rev Cytol 25:131-59, 1969 (147 ref.)

Effects of steroid hormones on synthesis of cholesterol in vitro. Ono T, et al. J Biochem (Tokyo) 70:45-54, Jul 71

Relation of steroid structure to enzyme induction in hepatoma tissue culture cells. Samuels HH, et al. J Mol Biol 52:57-74, 28 Aug 70

Hormones and resistance. Selye H. J Pharm Sci 60:1-28, Jan 71 (137 ref.)

The effect of steroid hormones on the metabolism of ram spermatozoa. White IG, et al. J Reprod Fertil 24:137-8, Jan 71

On the similarity between the hemolytic properties of bile acids and of neutral steroids. Segal R, et al. Life Sci [II] 10:685-90, 22 Jun 71

Mechanisms of action of steroid hormones. O'Malley BW. N Engl J Med 284:370-7, 18 Feb 71 (36 ref.)

Two inducers of rapid erythroblast multiplication in vitro. Borsook H, et al. Nature (Lond) 230:328-30, 2 Apr 71

Effects of stroid on extinction of an avoidance response in rats. A structure-activity relationship study. Wimersma Greidanus TB v. Progr Brain Res 32:185-91, 1970

Steroids and aggressive behaviour in isolated male and female mice. Suchowsky GK, et al. Psychopharmacologia 21:32-8, 1971

Pharmaco-chemical interrelations among catatoxic steroids. Selye H. Rev Can Biol 29:49-102, Mar 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effect of various steroids on the adrenal necrosis induced by 7,12-dimethylbenz(a)anthracene in rats. Somogyi A, et al. Rev Can Biol 29:169-80, Jun 70
The effect of adrenalectomy and endocrine substances on restraint-induced acute gastric ulceration. Ozdemir IA, et al. Surg Forum 21:304-5, 1970
The effect of crude holothurin on leucocyte phagocytosis. Lasley BJ, et al. Toxicon 8:301-6, Nov 70
[Endocrine activity of steroid derivatives of paravallarine and paravallaridine, alkaloids of Paravallaris microphylla Pitard (Apocynaceae)] Emmerich E, et al.
Ann Pharm Fr 28:589-92, Sep-Oct 70 (Fre)
[Steroids and nephrectomy cardiopathy] Gardell C, et al. Rev Can Biol 29:181-5, Jun 70 (Fre)
[Investigations concerning the activation of the cyclical sexual center by exogenous steroids ("positive feedback mechanism")] Leyendecker G, et al. Acta Endocrinol [Suppl] (Kbh) 152:4, 1971 (Ger)
[Steroids and cell proliferation: study in vitro on normal and pathological lymphatic cells] Tarocco RP, et al. Boll Soc Ital Biol Sper 46:157-9, 28 Feb 70 (Ita)
[The catatoxic steroids] Selye H.
G Clin Med 51:620-3, Aug 70 (Ita)
[Effect of steroids on the esterase activity of Mycobacterium album Jensen] Lestrovaia NN, et al.
Mikrobiologiia 40:461-5, May-Jun 71 (Rus)

PHYSIOLOGY

Biochemistry and pathology of tryptophan metabolism and its regulation by amino acids, vitamin B6, and steroid hormones. Brown RR.
Am J Clin Nutr 24:243-7, Feb 71
3-keto-delta-4 steroid: requirement for ovulation in Rana pipiens. Wright PA.
Gen Comp Endocrinol 16:511-5, Jun 71

SECRETION

Effects of prostaglandin on ovarian steroid secretion and biosynthesis during pregnancy. Behrman HR, et al. Am J Physiol 221:189-93, Jul 71
The effects of aminoglutethimide and prednisolone on steroid excretion in cases of carcinoma of the breast. Lyne C, et al. J Endocrinol 49:xxi-xxii, Mar 71

THERAPEUTIC USE

Steroid dependent asthma--reversed. Fontana VJ.
J Asthma Res 8:3-7, Sep 70
Steroid therapy of severe fat embolism. Fischer JE, et al. Surg Forum 21:480-2, 1970
Protection by catatoxic steroids against cycloheximide intoxication. Selye H.
Toxicol Appl Pharmacol 17:721-5, Nov 70
[Stimulation of ovulation through drugs] Schmidt-Elmendorff H.
Med Tijdschr Geneeskd 114:2023-4, 28 Nov 70 (Dut)
[Treatment of bronchial asthma in emergency rooms (Jerusalem 1966)] Bruderman I, et al.
Harefuah 80:10-2, 1 Jan 71 (Heb)
[Steroids and breast cancer. Pharmacologic and therapeutic introduction] Sala G, et al.
Minerva Ginecol 22:669-76, 15 Jul 70 (32 ref.) (Ita)
[Steroid and immunosuppressive therapy in primary glomerular nephropathy (glomerulonephritis) in adults. Clinical and nephrobioptic study] Bonomini V, et al. Minerva Nefrol 16:103-19, Mar-Apr 69 (Ita)
[Steroid therapy in nephrosic syndrome. Evaluation of the results in connection with initial nephro-bioptic changes and glomerular permeability to proteins] Maiorca R, et al.
Minerva Nefrol 16:120-9, Mar-Apr 69 (Ita)
[Cytochemical studies of enzymes in leukocytes of patients with chronic lympholeukosis] Mikheeva AI, et al. Lab Delo 8:477-81, 1970 (Rus)

TOXICITY

Teratogenic compounds of Veratrum californicum (Durand). XI. Gestational chronology and compound specificity in rabbits. Keeler RF.
Proc Soc Exp Biol Med 136:1174-9, Apr 71

URINE

Investigations on the metabolism of the retrosteroid Ro 4-8347 in anovulatory patients. Lunenfeld B, et al.
Bull Schweiz Akad Med Wiss 25:325-7, Oct 70
Metabolic profiles: gas-phase methods for analysis of metabolites. Horning EC, et al.
Clin Chem 17:802-9, Aug 71
Quantitative determination of neutral steroid mono- and disulphates in human urine. Jänne O.
Clin Chim Acta 29:529-40, Sep 70
The steroid II-oxygenation index by gas-liquid chromatography. Qazi QH, et al.
Clin Chim Acta 31:435-8, Feb 71
Steroids in germfree and conventional rats. Steroid monosulphates in urine from female rats. Gustafsson JA. Eur J Biochem 14:560-6, Jul 70
Steroid studies in parents of patients with congenital virilizing adrenal hyperplasia. Qazi QH, et al.
J Clin Endocrinol Metab 33:23-6, Jul 71
Studies of C19 16-unsaturated steroid excretion and formation in cases of testicular feminization. Bicknell DC, et al. J Endocrinol 49:i-ii, Mar 71
Congenital adrenal hyperplasia and other conditions associated with a raised urinary steroid 11-oxygenation index. Clayton BE, et al.
J Endocrinol 50:251-65, Jun 71
1-oxygenated steroids in the urine of a hypertensive, viralized infant with adrenocortical carcinoma. Edwards RW, et al. J Endocrinol 49:181-2, Jan 71
Steroids in newborns and infants. Identification of steroids in urine from newborn infants. Shackleton CH, et al. Steroids 17:265-80, Feb 71
[Urinary steroids in hormonal hyperstimulation induced by human gonadotropins (H.G.--H.C.G.)] Bernard I.
Bull Fed Soc Gynecol Obstet Lang Fr 21:412-6, Sep-Oct 69 (Fre)
[Myths and realities of steroid microchemistry. Determination of urinary phenol steroids] Boyer J.
Presse Med 78:1915-6, 24 Oct 70 (Fre)
[Study of excretion of urinary steroids with gas chromatography using the "steroid profile" method] Maume GM, et al.
Sem Hop Paris 46:2938-45, 26 Nov 70 (Fre)
[High resolution gas chromatography of steroids] Völimin JA, et al.
Z Klin Chem Klin Biochem 9:43-6, Jan 71 (Ger)
[Our experience with mesterolone therapy. Evaluation of 22 hormonal steroids constituting the gas chromatographic picture in the total neutral urinary fraction. The effectiveness of mesterolone in the therapy of oligoastenospermias] Ros A.
Attual Ostet Ginecol 15:37-53, Jan-Feb 69 (Ita)
[Preliminary results on fractionated steroiduria during the Eliptan test in normal subjects and after corticosteroid therapy] Olivi O, et al.
Minerva Pediatr 21:2107-8, 3 Nov 69 (Ita)
[Steroid hormones in the urine] Cagli V.
Policlinico [Prat] 77:1606-15, 7 Dec 70 (Ita)
[Recent progress in the quantitative analysis of steroid hormones. Gas chromatography] Sakauchi N, et al.
Jap J Clin Med 29:1449-55, May 71 (Jap)
[Steroid changes in malignant mastopathy] Serban MD.
Stud Cercet Endocrinol 21:395-403, 1970 (34 ref.) (Rum)

STEROLS (D11)

see also related
VITAMIN D (D11)

Sterol structure and ordering effects in spin-labelled phospholipid multibilayer structures. Butler KW, et al. Biochim Biophys Acta 219:514-7, 1 Dec 70
Rat liver 5 beta-cholestane-3 alpha,7 alpha,12 alpha,26-tetrol dehydrogenase as a liver alcohol dehydrogenase. Okuda K, et al.
Biochim Biophys Acta 220:141-8, 11 Nov 70
Biochemical conversion of partially cyclized squalene 2,3-oxide types to the lanosterol system. Views on the normal enzymic cyclization process. Van TAMELEN EE, et al. J Am Chem Soc 92:7206-7, 2 Dec 70
Reduction and esterification of cholesterol and sitosterol by homogenates of feces. Rosenfeld RS, et al. J Lipid Res 12:192-7, Mar 71
Dehydrogenation and dealkylation of various sterols by Tetrahymena pyriformis. Mallory FB, et al.
Lipids 6:149-53, Mar 71
Significance of dietary plant sterols in man and experimental animals. Ravi Subbiah MT.
Mayo Clin Proc 46:549-59, Aug 71 (81 ref.)

ANALYSIS

Variation in sterols, alkaloids, and polyphenols of two Nicotiana varieties under different nitrogen fertilization and drying processes. Grunwald C, et al.
J Agric Food Chem 19:216-21, Mar-Apr 71
Gas chromatographic analysis of fecal pollution sterols on a single combined packed column. Tan L, et al.
J Chromatogr 53:209-15, Dec 70
Steroids and sterols in meconium. Kinsella RA Jr, et al.
J Clin Endocrinol Metab 32:801-18, Jun 71
Sterols in the small intestine of the rat, guinea pig, and rabbit. McIntyre N, et al. J Lipid Res 12:336-46, May 71
Sterols in Ascaris lumbricoides (Nematoda), Macracanthorhynchus hirudinaceus and Moniliformis dubius (Acanthocephala), and Echinostoma revolutum (Trematoda). Barrett J, et al.
J Parasitol 56:1004-8, Oct 70
Cholestanol and 26-hydroxycholesterol in normal and atherosclerotic human aorta. Fumagalli R, et al.
Life Sci [II] 10:25-33, 8 Jan 71
Sterol metabolism. XII. 26-Hydroxycholesterol in commercial cholesterol. Van Lier JE, et al.
Lipids 6:85-7, Feb 71
Simultaneous spectrometric determination of 5-ene and 7-ene sterols from the leaves and seeds of Digitalis purpurea L. Cowley PS, et al.
Planta Med 19:349-57, Feb 71
The steroidal constituents of Solanum cyananthum. Rizk AM, et al. Planta Med 18:347-9, Aug 70
Mass spectrometric studies on methyl ether derivatives of sterols. Idler DR, et al.
Steroids 16:251-62, Sep 70
Bile salts, sterols, sterol esters, glycerides and fatty acids in micellar and oil phases of intestinal contents during fat digestion in man. Miettinen TA, et al.
Z Klin Chem Klin Biochem 9:47-52, Jan 71
Absolute configuration of carboxyacetylquercinic acid, chemical correlation of carboxyacetylquercinic acid with lanosterol. Inouye H, et al.
Z Naturforsch [B] 25:1194-5, Oct 70
[Steroidal alkaloids 98. Chemical constitution of the seeds of Holarrhena floribunda (G. Don) Dur. and Schiz: cycloartenol, nor-31 lanosterol, dehydro-24 lophenol, desmosterol and steroidal alkaloids: conessine, isoconessimine, conamine and conarrhimine] Conreur C, et al.
Ann Pharm Fr 28:849-60, Nov 70 (Fre)
[Biochemcial study of plankton. 3. Unsaponifiable constituents and sterols of marine phytoplankton] Boutry JL, et al.
Bull Soc Chim Biol (Paris) 52:349-52, 17 Apr 70 (Fre)
[Sterols and tetracyclic triterpenic alcohols of the fern Polypodium vulgare L.] Devys M, et al.
C R Acad Sci [D] (Paris) 271:862-5, 7 Sep 70 (Fre)
[Spectrophotometric determination of steroids and triterpenoid compounds] Kartnig T, et al.
Arch Pharm (Weinheim) 303:767-70, Sep 70 (Ger)
[Identification and quantitative determination of sterols] Kartnig T, et al.
J Chromatogr 53:537-43, 23 Dec 71 (Ger)
[The occurrence of sterines in the genus Azotobacter] Schubert K, et al.
Z Allg Mikrobiol 10:509-13, 1970 (Ger)
[Experimental rat tumors induced with administration of nitrosourea derivatives. II. Observations on the sterol composition] Grossi-Paoletti E, et al.
Acta Neurol (Napoli) 24:563-4, Jul-Aug 69 (Ita)
[Determination of sitosterol palmitate in different varieties of Triticum aestivum and Triticum durum] Chindemi A, et al.
Ann Ist Super Sanita 5:395-8, 1969 (Ita)
[Photocolorimetric determination of beta-sitosterol] Ksenofontova EV, et al.
Farmatsiia 17:49-51, May-Jun 68 (Rus)

BIOSYNTHESIS

Squalene and lanosterol synthesis in the foeto-placental unit at midgestation. Leusden HA van, et al. Acta Endocrinol (Kbh) 66:711-9, Apr 71
Effect of cholestyramine on the terminal reactions of sterol biosynthesis. Moir NJ, et al.
Arch Biochem Biophys 141:465-72, Dec 70
Biosynthesis of 24-ethylcholesta-5,22,25-trien-3-beta-ol, a new sterol from Clerodendrum campbellii. Bolger LM, et al. Biochem J 118:197-200, Jun 70
Progestin production by the ovary of the testosterone-sterilized rat treated with an ovulatory dose of LH, and the normal, proestrous rat. Cortes V, et al. Endocrinology 89:878-85, Sep 71
Mechanism of microbial transformation of cholesterol into coprostanol. Björkhem I, et al.
Eur J Biochem 21:428-32, 16 Aug 71
Sterol biosynthesis in Euglena gracilis Z. Comparative study of free and bound sterols in light and dark grown Euglena gracilis Z. Brandt RD, et al.
Eur J Biochem 17:344-9, Dec 70
Concerning the role of lanosterol and cycloartenol in steroid biosynthesis. Gibbons GF, et al.
J Biol Chem 246:3967-76, 25 Jun 71
Regulation of production in vitro of 5 alpha-androstane-3 alpha, 17 beta-diol in the immature rat ovary. Springer C, et al.
J Endocrinol 50:431-9, Jul 71
Enzymic formation of esters of methyl sterol precursors of cholesterol. Brady DR, et al.
J Lipid Res 12:270-6, May 71
Biosynthesis of squalene and sterols by rat aorta. Daly MM. J Lipid Res 12:367-75, May 71
Role of 8(14) monoene sterols in cholesterol biosynthesis. Fiecchi A, et al.
Life Sci [II] 9:1201-5, 8 Nov 70
Lipid biosynthesis in neuron-enriched and glial-enriched fractions of rat brain: sterol formation. Jones JP, et al. Life Sci [II] 10:997-1003, 8 Sep 71
Regulation of the sequencing in sterol biosynthesis. Nes WR. Lipids 6:219-24, Apr 71 (61 ref.)
The biosynthesis of cholesterol and other sterols by brain tissue. I. Subcellular biosynthesis in vitro. Ramsey RB, et al. Lipids 6:154-61, Mar 71
Mechanism of action of luteinizing hormone. Flint AP, et al. Nature (Lond) 233:376-7, 24 Oct 70
[Effect of nystatin and levorin on the biosynthesis of sterols and fatty acids in cell-free extracts of Saccharomyces cerevisiae] Klimov AN, et al.
Antibiotiki 16:279-82, Mar 71 (Rus)
[Effect of 2,4-dinitrophenol on sterol formation in yeasts] Gal'tsova RD, et al.
Mikrobiologiia 40:34-8, Jan-Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

Estradiol-17-beta, progesterone and 20-alpha-hydroxypregn-4-en-3-one in rabbit ovarian venous plasma. I. Steroid secretion from paired ovaries with and without corpora lutea; effect of LH. Eaton LW Jr, et al. Endocrinology 89:105-11, Jul 71
Estradiol-17 beta, progesterone and 20-alpha-hydroxypregn-4-en-3-one in rabbit ovarian venous plasma. II. From mating through implantation. Hilliard J, et al. Endocrinology 89:522-7, Aug 71
Interrelationships between estrogen and progesterone secretion and trauma-induced deciduomata. On causes of uterine refractoriness in the "Parlow rat". Horikoshi H, et al. Endocrinology 89:807-17, Sep 71
Identification of the neutral steroids in the ovarian venous plasma of LH-stimulated rats. Ichikawa S, et al. Endocrinology 88:372-83, Feb 71
Serum desmosterol and other lipids in myotonic dystrophy--a possible pathogenesis of myotonic dystrophy. Wakamatsu H, et al. Keio J Med 19:145-9, Sep 70
Serum squalene and methyl sterols. Miettinen TA, et al. N Engl J Med 283:1054-5, 5 Nov 70

CHEMICAL SYNTHESIS

Conversion of des-6-methyl-2,3-oxidosqualene to 19-norlanosterol by 2,3-oxidosqualene-sterol cyclase. Corey EJ, et al. J Am Chem Soc 93:1493-4, 24 Mar 71
Formation of the lanosterol system through biogenetic-type cyclization. Van Tamelen EE, et al. J Am Chem Soc 92:7204-6, 2 Dec 70
Hypocholesterolemic agents. 8. Synthesis of 25-azadihydrolanosterol and derivatives. Lu MC, et al. J Med Chem 14:136-8, Feb 71
Synthesis of campesteryl acetate (24R)-24-methyl-3-beta-acetoxycholesten-5-ene) and its 24S-epimer. Ikan R, et al. Steroids 16:517-22, Nov 70

ISOLATION & PURIFICATION

Phytochemical investigation of Centaurium pulchellum (Sw.) Druce. Khafagy SM, et al. Acta Pharm Suec 7:667-72, Dec 70
Lipids of human atheroma. 4. Characterisation of a new group of polar sterol esters from human atherosclerotic plaques. Brooks CJ, et al. Atherosclerosis 13:223-37, Mar-Apr 71
Lipids of human atheroma. 5. The occurrence of a new group of polar sterol esters in various stages of human atherosclerosis. Harland WA, et al. Atherosclerosis 13:239-46, Mar-Apr 71
Steryl glucosides in Phaseolus aureus. Use of gas-liquid chromatography and mass spectrometry for structural identification. Laine RA, et al. Biochemistry 10:2547-53, 22 Jun 71
Chemical investigations of plant tissues grown in vitro: isolation of beta-sitosterol from Morus alba (Mulberry) callus tissue. Kulkarni DD, et al. Indian J Exp Biol 8:347, Oct 70
Isolation and identification of sterols from a pleistocene sediment. Henderson W, et al. Nature (Lond) 231:308-10, 4 Jun 71
31-nordihydrolanosterol, a minor 4-alpha-methyl sterol in pollen of Taraxacum dens leonis. Atallah AM, et al. Steroids 17:611-8, Jun 71
Sterols of Oocystis polymorpha, a green alga. Orcutt DM, et al. Steroids 16:429-46, Oct 70
[Sterines and triterpenes from Rhododendron ponticum] Keller S auf dem, et al. Pharmazie 25:621-5, Oct 70 (Ger)
[Determination of fucosterol in Fucus vesiculosus L. and in extracts of Fucus vesiculosus L.] Di Renzo N. Boll Chim Farm 109:454-62, Aug 70 (Ita)

METABOLISM

The utilization of potential phytosterol precursors by Ochromonas malhamensis. Lenton JR, et al. Arch Biochem Biophys 143:664-74, Apr 71
Sterol metabolism. 9.26-hydroxycholesterol levels in the human aorta. Smith LL, et al. Atherosclerosis 12:1-14, Jul-Aug 70
A carboxylic acid intermediate of lanostenol demethylation. Hornby GM, et al. Biochem Biophys Res Commun 40:1452-4, 30 Sep 70
Enzymatic conversion of cholest-8(14)-en-3 beta, 15 alpha-diol and cholest-8(14)-en-3 beta, 15 beta-diol to cholesterol. Huntoon S, et al. Biochem Biophys Res Commun 40:476-80, 27 Jul 70
Enzymatic conversion of 14-alpha-methyl-cholest-7-en-3 beta, 15 zeta-diol to cholesterol. Martin JA, et al. Biochem Biophys Res Commun 39:1170-4, 1970
Sterol accumulation in a mutant of Saccharomyces cerevisiae defective in ergosterol production. Thompson ED, et al. Biochem Biophys Res Commun 43:1304-9, 18 Jun 71
Metabolism of 20-alpha-hydroxypregn-4-en-3-one by the rabbit liver. Chatterton RT Jr, et al. Endocrinology 88:249-56, Jan 71
Human placental 17 beta-estradiol dehydrogenase. VI. Substrate specificity of the diphosphopyridine nucleotide (triphosphopyridine nucleotide)-linked enzyme. Karavolas HJ, et al. Endocrinology 88:1165-9, May 71
The conversion of parkeol into its 24,25-epoxide by tissue cultures of Nicotiana tabacum. Schaefer PC, et al. Eur J Biochem 14:284-8, Jun 70
Fatty acid and sterol composition of Mucor genevensis in relation to dimorphism and anaerobic growth. Gordon PA, et al. J Bacteriol 107:114-20, Jul 71
Sterol requirements of T-strain mycoplasmas. Rottem S, et al. J Bacteriol 105:323-30, Jan 71
In vitro conversion of 7-alpha-hydroxycholesterol to some natural C24-bile acids with special reference to chenodeoxycholic acid biogenesis. Ayaki Y, et al. J Biochem (Tokyo) 68:341-6, Sep 70
The fate of the 6 alpha-hydrogen of 5 alpha-cholest-7-en-3 beta-ol in the conversion to 7-dehydrocholesterol by rat liver microsomes. Aberhart DJ, et al. J Biol Chem 246:1387-92, 10 Mar 71
The mechanism of introduction of alkyl groups at C-24 sterols. I. The precursor of the C2 group. Castle M, et al. J Biol Chem 242:5796-801, 25 Dec 67
Concerning the role of lanosterol and cycloartenol in steroid biosynthesis. Gibbons GF, et al. J Biol Chem 246:3967-76, 25 Jun 71
Studies on the enzymatic conversion of 5 alpha-cholesta-8, 14-dien-3 beta-ol to cholesterol. Lutsky BN, et al. J Biol Chem 245:6449-55, 10 Dec 70
The mechanism of introduction of alkyl groups at C-24 of sterols. IV. Inhibition by triparanol. Malhotra HC, et al. J Biol Chem 246:4934-7, Aug 71
Investigation of the component reactions of oxidative sterol demethylation. Oxidation of a 4 alpha-methyl sterol to a 4 alpha-carboxylic acid during cholesterol biosynthesis. Miller WL, et al. J Biol Chem 245:5369-74, 25 Oct 70
Investigation of the component reactions of oxidative sterol demethylation. Oxidation of a 4,4-dimethyl sterol to a 4 beta-methyl-4 alpha-carboxylic acid during cholesterol biosynthesis. Miller WL, et al. J Biol Chem 245:5375-81, 25 Oct 70
Investigation of the component reactions of oxidative demethylation of sterols. Metabolism of 4 -hydroxymethyl steroids. Miller WL, et al. J Biol Chem 246:5147-53, Aug 71
Conformational analysis of enzyme-substrate complex in the dehydrogenation of sterols by Tetrahymena pyriformis. Nes WR, et al. J Biol Chem 246:561-8, 10 Feb 71
Specificity and role in cholesterol biosynthesis of a squalene and sterol carrier protein. Ritter MC, et al. J Biol Chem 246:1536-9, 10 Mar 71
The mechanism of introduction of alkyl groups at C-24 sterols. II. The necessity of the delta-24 bond. Russell PT, et al. J Biol Chem 242:5802-6, 25 Dec 67
Metabolism of cholestane-3 beta,5 alpha,6 beta-triol. II. Identification of two major neutral metabolites in the rat. Roscoe HG, et al. J Lipid Res 12:17-23, Jan 71
Metabolism of lathosterol by Drosophila pachea. Goodnight KC, et al. Lipids 6:166-9, Mar 71
Some pathways and mechanisms in lanosterol-cholesterol conversion in mammalian tissues. Paoletti R, et al. Lipids 6:134-8, Feb 71
Biokinetic steroid synthesis from labeled acetate and cholesterol in rat liver, kidney and epididymal adipose tissue in vitro. Sandmeyer EE, et al. Med Exp (Basel) 19:357-68, 1969
Identification of fucosterol as a metabilite and probable intermediate in conversion of beta-sitosterol to cholesterol in the tobacco hornworm. Svoboda JA, et al. Nature [New Biol] 230:57-8, 10 Mar 71
The effects of large amounts of glutamic acid upon serum lipids and sterol metabolism in man. Olson RE, et al. Trans Assoc Am Physicians 83:196-210, 1970

PHARMACODYNAMICS

The influence of several sterols on the conversion of beta-sitosterol into cholesterol in the cockroach. Wientjens WH, et al. Experientia 27:373-5, 15 Apr 71
Isolation and characterization of C-4 methyl intermediates in cholesterol biosynthesis after treatment of rat liver in vitro with cholestan-3 beta, 5 alpha,6 beta-triol. Scallen TJ, et al. J Biol Chem 246:3168-74, 25 May 71
Inhibition of cholesterol deposition in livers of mice fed phytosterols in short-term experiments. Katz M, et al. J Nutr 100:1141-7, Oct 70
Lucerne saponins. 3. Effect of lucerne saponins on larval growth and their detoxification by various sterols. Shany S, et al. J Sci Food Agric 21:508-10, Oct 70
Anticholesterolic effects of unsaponifiable fractions of vegetable oils in chicks. I. Short-term effects of soy sterols. Bartov I, et al. Poult Sci 49:1492-500, Nov 70

SECRETION

Sequential study of luteinizing hormone (LH) and "Progestin" secretion on the afternoon of proestrus in the rat. Piacsek BE, et al. Endocrinology 89:39-45, Jul 71
Progestin secretion by the ovary in lactating rats: effect of LH-antiserum, LH and prolactin. Yoshinaga K, et al. Endocrinology 88:1126-30, May 71

URINE

Urinary and biliary excretion of [4-14C]progesterone, [4-14C]20 alpha- and [4-14C]20 beta-hydroxypregn-4-en-3-one metabolities in the rabbit. Senciall IR, et al. J Endocrinol 48:61-71, Sep 70

STETHOSCOPY see under AUSCULTATION (E1)

STEVENS-JOHNSON SYNDROME (C4, C11, C12)

Erythema evudativum multiforme with renal involvement in children. Kobayashi O, et al. Acta Med Biol (Niigata) 19:57-62, Jun 71
Stevens-Johnson syndrome. Sainani GS, et al. J Indian Med Assoc 54:512-3, 1 Jun 70
Stevens-Johnson syndrome. Sainani GS, et al. J Indian Med Assoc 54:512-3, 1 Jul 70
Lyell's disease, the Stevens-Johnson Syndrome, and exfoliative dermatitis. Ostler HB, et al. Trans Am Acad Ophthalmol Otolaryngol 74:1254-65, Nov-Dec 70
A review of Stevens-Johnson Syndrome at the University College Hospital, Ibadan. Onadeko BO. West Afr Med J 19:142-4, Oct 70
[Stevens-Johnson syndrome in the light of the literature and the author's own clinical observations during 1960-1969] Sokolowski F, et al. Czas Stomatol 23:1345-51, Dec 70 (Pol)
[2 cases of Stevens-Johnson syndrome] Stavrova NA. Biull Eksp Biol Med 71:93-4, Mar-Apr 71 (Rus)
[Eye disorders in Stevens-Johnson syndrome] Chernysh VI. Oftalmol Zh 24:463-4, 1969 (Rus)

COMPLICATIONS

Stevens-Johnson syndrome associated with Mycoplasma pneumoniae infection. Sanders DY, et al. Am J Dis Child 121:243-5, Mar 71
Mycoplasma pneumonia infection associated with Stevens-Johnson syndrome. Houser JJ, et al. Minn Med 54:609-10, Aug 71
[Pluri-orificial erosive ectodermosis and mycoplasma pneumoniae] Janbon M, et al. Presse Med 79:580, 13 Mar 71 (Fre)

DIAGNOSIS

Stevens-Johnson syndrome. Oropharyngeal manifestations. Calcaterra TC, et al. Arch Otolaryngol 93:37-41, Jan 71
[Lyell and Stevens-Johnson syndromes. Apropos of 4 cases] Robineau M, et al. Lyon Med 225:Suppl:113-9, 1971 (Fre)
[Erythema exsudativum multiforme major. Pluriorificial erosive ectodermosis; dermatostomatitis; Fuchs' acute cutaneo-ocular syndrome; Stevens-Johnson syndrome] Gädeke R. Hippokrates 41:323-36, Sep 70 (Ger)

ETIOLOGY

Erythema multiforme exudativum (Stevens-Johnson syndrome) in association with Mycoplasma pneumoniae. Bell WE, et al. Clin Pediatr (Phila) 10:184-7, Mar 71
[A case of Stevens-Johnso yndrome developed after tetanus] Aubry P, et al. Med Trop (Mars) 30:708-13, Sep-Oct 70 (Fre)
[Stevens-Johnson-syndrome and mycoplasma pneumoniae infection] Lampe P. Hautarzt 22:238-41, Jun 71 (Ger)
[3 cases of Stevens-Johnson syndrome detected during the influenza epidemic] Vass Z, et al. Orv Hetil 112:1223-4, 23 May 71 (Hun)
[Polymorphous exudative erythema, Stevens-Johnson syndrome and Lyell's syndrome. 30 pediatric ases followed in last 6 years] Ulivelli A, et al. Riv Clin Pediatr 83:31-51, Jan-Apr 70 (Ita)

THERAPY

Hydrophilic lens therapy of severe keratoconjunctivitis sicca and conjunctival scarring. Gasset AR, et al. Am J Ophthalmol 71:1185-9, Jun 71

STIFF LAMB DISEASE see under MUSCULAR DYSTROPHY, ANIMAL (C15)

STIFLE see under HINDLIMB (A13)

STILBAMIDINES (D2, D3)

PHARMACODYNAMICS

Studies on lysosomes. 13. Effects of stilbamidine and hydroxystilbamidine on in vitro and in vivo systems.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Weissmann G, et al.
Biochem Pharmacol 19:1251-61, Apr 70
Sensitivity of Hartmannella (Acanthamoeba) to 5-fluorocytosine, hydroxystilbamidine, and other substances. Casemore DP.
J Clin Pathol 23:649-52, Nov 70
Resistance of Trypanosoma evansi to quinapyramine, suramin, stilbamidine and tryparsamide and analysis of cross-resistance. Gill BS.
Trans R Soc Trop Med Hyg 65:352-7, 1971

THERAPEUTIC USE

[Complete hematologic remission of a multiple myeloma] Boll I.
Dtsch Med Wochenschr 95:2434-6, 27 Nov 70 (Ger)

STILBENES (D2)

Flavin-photosensitized reactions of retinol and stilbene. Gordon-Walker A, et al.
Biochem J 120:873-81, Dec 70
A diaminostilbene dye as a hydrophobic probe for proteins. Kotaki A, et al.
Biochim Biophys Acta 229:547-56, 23 Mar 71
[The relevance of chemico-biological interactions for the toxic and carcinogenic effects of aromatic amines. I. Carcinogenic activity of some 4-aminostilbene and 4-aminobibenzyl-derivatives] Neumann HG, et al.
Z Krebsforsch 74:200-8, 1970 (Ger)
[Polarizing-optical study of estrogenic hormones and their analogs] Skliarov IaP, et al.
Biofizika 14:940-4, Sep-Oct 69 (Rus)

ANALYSIS

[Detection and determination of some synthetic estrogens of the stilbene group in oily solutions for pharmaceutical uses (human and veterinarian)] Moretti G, et al.
Ann Ist Super Sanita 5:586-601, 1969 (Ita)

BIOSYNTHESIS

[Formation of a stilbene in isolated chloroplasts] Kindl H.
Hoppe Seylers Z Physiol Chem 352:787-8, May 71 (Ger)

PHARMACODYNAMICS

Effect of TC-17, a triazinylstilbene derivative, on the dissemination of mouse tumors. Saito C, et al.
Gann 61:569-82, Dec 70
[The genetic effect of aromatic amines and their derivatives: induction of mytotic conversion in the yeast Saccharomyces cerevisiae] Marquardt H, et al.
Z Krebsforsch 74:412-33, 1970 (Ger)

THERAPEUTIC USE

[Hormono- therapy of cancer of the prostate] Albeaux-Fernet M, et al.
Annee Endocrinol 22:181-91, 1970 (Fre)
[Pathogenesis and hormone treatment of rosacea in women] Budnitskaia II.
Vestn Dermatol Venerol 44:28-31, Aug 70 (Rus)

STILBESTROL see under DIETHYLSTILBESTROL (D8)

STILL'S DISEASE see ARTHRITIS, JUVENILE RHEUMATOID (C3, C17)

STILLBIRTH see FETAL DEATH (C6, G1, N1)

STIMULATION, CHEMICAL (G1)

see also related
ENZYME INDUCTION (G1)

Relationship of chemically initiated enzyme secretion to metabolism in rat parotid in vitro. Lindsay RH, et al.
Am J Physiol 221:80-5, Jul 71
Histamine and-or cortisol stimulated gastric secretion in normal and adrenalectomized rats. Kowalewski K.
Arch Int Pharmacodyn Ther 189:328-35, Feb 71
[Gastric secretion in duodenal ulcers following weak and strong stimuli] Palečková M, et al.
Cesk Gastroenterol Vyz 24:239-43, Sep 70 (Cze)
[Psychostimulating effect of adenosine in the mouse] Mascherpa P. Arzneim Forsch 2:25-6, Jan 71 (Ger)
[Effects of chemical stimulation of the caudate nucleus on spontaneous and evoked activity of the cerebral cortex in the cat] Militello L, et al.
Boll Soc Ital Biol Sper 46:957-60, 30 Nov 70 (Ita)
[Pathophysiology of the subcutaneous connective tissue cells under stimulation, especially the regeneration of the histiocyte] Kojima M, et al.
J Jap Med Assoc 65:840-8, 1 Apr 71 (Jap)
[The phenomenon of predepressive cellular stimulation] Marqués Sala R, et al.
Rev Esp Anestesiol Reanim 17:257-65, Apr 70 (Spa)
[The phenomenon of predepressive cellular stimulation in cardiology] Marqués Sala R, et al.
Rev Esp Anestesiol Reanim 17:731-7, Oct 70 (Spa)

INSTRUMENTATION

A cannula of variable depth for chemical stimulation of the brain. Morris H, et al.
Electroencephalogr Clin Neurophysiol 29:521-3, Nov 70

STIMULATION, ELECTRIC see ELECTRIC STIMULATION (E5)

STINGS see under BITES AND STINGS (C14)

STIPPLED EPIPHYSES see CHONDRODYSTROPHIA CALCIFICANS CONGENITA (C3)

STOCHASTIC PROCESSES see under PROBABILITY (H)

STOMACH (A3)

see also related
GASTRECTOMY (E4)

Gastric volumes aspirated from antrum and fundus in man. Ivey KJ, et al. Am J Dig Dis 16:123-6, Feb 71
Simple method for removal of intestinal tubing from the stomach. Dupont HL, et al.
Ann Intern Med 74:584-6, Apr 71
Distribution of gastric glands and gastritis: a topographic study by endoscopy. Umeda N, et al.
Gastrointest Endosc 18:17-20, Aug 71
What is your diagnosis? Dunn TJ Jr, et al.
J Am Vet Med Assoc 158:1709-10, 15 May 71
Gastric perceptivity in normal, obese and schizophrenic subjects. Coddington RD, et al.
Psychosomatics 11:571-9, Nov-Dec 70
[A simple method for removing a rragment of a duodenal catheter accidentally retained in the stomach] Gheorghiu T.
Acta Gastroenterol Belg 33:665-8, Aug-Sep 70 (Fre)
[Aspiration and swallowing of sharp instruments in stomatology] Krakora P, et al.
Ann Chir Thorac Cardiovasc 9:365-9, Jul 70 (Fre)
[Measurement of the characteristic parameters of the normal human gastric electromyogram. Variations according to electrode location] Couturier D, et al.
Biol Gastroenterol (Paris) 1:11-22, 1971 (Fre)
[Fraction of incoagulable nitrogen in human gastric content. VI. Study during histamine secretion in normal subjects] Gaglio M, et al.
Arch Ital Mal Appar Dig 35:547-52, Jun 69 (Ita)
[Intragastric pressure in various diseases of the abdominal organs and in the postoperative period] Toskin KD, et al.
Klin Med (Mosk) 48:124-8, Nov 70 (Rus)
[Radiology: foreign body due to digestion of kakis] Mosquera JL.
Prensa Med Argent 57:1984-5, 25 Dec 70 (Spa)
[Varices in the gastric antrum] Marín Hernández G, et al. Rev Clin Esp 117:79-80, Apr 70 (Spa)
[Epidemiology of gastric cancer in Chile] Medina E.
Rev Med Chil 98:477-82, Jul 70 (Spa)
[Circadian rhythm in the gastric content of intact and hepatectomized mice] Nash RE, et al.
Rev Soc Argent Biol 45:181-6, Aug-Nov 69 (Spa)

ABNORMALITIES

Accessory lungs with foregut connexion. Gibson AA.
Arch Dis Child 45:710, Oct 70
Antral mucosal diaphragm containing pancreatic tissue. Manier JW.
Gastrointest Endosc 17:146-8, May 71
Combined duplication of the esophagus and stomach. Moir JD. J Can Assoc Radiol 21:257-62, Dec 70
Gastric mucosal diaphragm in a child. Johnson GM.
Pediatrics 47:916-9, May 71
Enteric duplications in the Transvaal African infant and child. Dinner M. S Afr J Surg 9:5-9, Jan-Mar 71
Perforated gastric duplication with pulmonary communication: a case report. Shochat SJ, et al.
Surgery 70:370-4, Sep 71
A gastroschisis with antenatal eviceration of entire liver, intestine and stomach. Lee SH, et al.
Yonsei Med J 10:196-7, 1969
[Congenital absence of the stomach] Gerbeaux J, et al.
Ann Pediatr (Paris) 18:349-56, 2 May 71 (Fre)
[Treatment of the upside-down positional stomach anomaly in hiatal hernia and large stomach ulcer] Schlosser V.
Langenbecks Arch Chir 322:435-41, 1968 (Ger)
[Surgery of heterotopic pancreatic tissue] Kivelitz H, et al. Zentralbl Chir 96:520-3, 10 Apr 71 (Ger)
[Clinico-endoscopic findings in a case of aberrant pancreas in a gastric site] Di Marco G, et al.
Minerva Gastroenterol 17:38-44, Jan-Mar 71 (Ita)
[Critical considerations on the radiological aspect of "standing dead fold" as a sign of gastric cancer in the "useful period"] Miciutia M, et al.
Med Interna (Bucur) 23:753-8, Jun 71 (Rum)
[Case of a "doubled" stomach] Baiaban MB.
Vestn Rentgenol Radiol 45:91-2, Jan-Feb 70 (Rus)
[Congenital microgastria] Schulz RD.
Ann Radiol (Paris) 14:285-7, Mar-Apr 71 (Mul)

ANALYSIS

Localization of smooth muscle protein in myoepithelium by immunofluorescence. Archer FL, et al. Am J Pathol 63:109-18, Apr 71
Early localization of 125-I-labelled human growth hormone in adrenals and other organs of immature hypophysectomized rats. Mayberry HE, et al.
Endocrinology 88:1309-17, Jun 71
Lipolytic peptides in mammalian stomach and choroid plexus. Rudman D, et al.
Endocrinology 88:901-8, Apr 71
Tissue-specific inhibition of cell proliferation in embryonic stomach epithelium in vitro. Philpott GW.
Gastroenterology 61:25-34, Jul 71
The effect of healing on bile reflux in gastric ulcer. Black RB, et al. Gut 12:552-8, Jul 71
Gastric intrinsic factor in the human foetus. Schwartz M, et al. Scand J Gastroenterol 6:Suppl 9:57-9, 1971
[Hollander's test after gastric vagotomy] Fjeld NB, et al. Nord Med 85:97-8, 21 Jan 71 (Nor)
[Hydrochloric acid and mucin production in the stomach of rats with induced ulcer] Dahlgren S, et al.
Nord Med 86:915, 29 Jul 71 (Swe)

ANATOMY & HISTOLOGY

Comparative anatomy of feline and canine gastric sling fibers. Analogy to human anatomy. Friedland GW, et al. Am J Dig Dis 16:493-507, Jun 71
Proposed terminology for the anatomy of the rat stomach. Robert A. Gastroenterology 60:344-5, Feb 71
The histological structure of stomach in bat (Rhinofome kinneari). Swarup B, et al.
Indian J Med Res 59:259-64, Feb 71
Comparative gastric histology of five North and Central American bats. Rouk CS, et al.
J Mammal 51:455-90, Aug 70
Studies on the constitution of muscle layers of stomach of canine and human. Yoshida K.
Jap J Smooth Muscle Res 6:159-62, Jun 70
[The muscle structurn of human stomach and its relation to the development of gastric ulcers with special reference to the longitudinal muscle fibers] Nakamura N.
Jap J Smooth Muscle Res 6:245-62, Dec 70 (Jap)
[Joining of the lymphatic vessels and communication between the capillary network of the stomach and duodenum] Kravchenko VK.
Vestn Khir 106:57-60, Apr 71 (Rus)

BLOOD SUPPLY

Selective angiography of the left gastric artery. Sundgren R.
Acta Radiol [Diagn] (Stockh) Suppl 299:1+, 1970
Vagotomy and submucosal blood flow. Effect in the canine stomach. Mackie DB, et al.
Arch Surg 102:626-9, Jun 71
Technical problems in direct left gastric vein diversion. Waddell WG, et al. Br J Surg 57:856, Nov 70
Blood flow and gastrointestinal function. Bynum TE, et al. Gastroenterology 60:325-35, Feb 71 (59 ref.)
Influence of peristaltic contraction of the stomach on blood flow through the gastrosplenic vein. Semba T, et al. Hiroshima J Med Sci 19:87-97, Sep 70
[Gastroduodenal changes in portal hypertension in children] Béraud C, et al.
J Radiol Electrol Med Nucl 52:145-8, Mar-Apr 71 (Fre)
[A case of portal hypertension caused by stomachic coronary hypercontribution] Benhamou JP, et al.
Presse Med 79:1569, 31 Jul 71 (Fre)
[Digestive hemorrhage with portal hypertension due to increased blood flow in the left gastric artery] Lamarque JL, et al.
Presse Med 79:1153-6, 22 May 71 (Fre)
[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in man] Pinding M.
Aerztl Forsch 24:358-64, 10 Dec 70 (Ger)
[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in dog] Pinding M.
Aerztl Forsch 24:331-40, 10 Nov 70 (Ger)
[Arterialization of the intrahepatic portal system by A. gastrica sinistra in connection with portacaval anastomosis. Studies on dogs] Lie TS, et al.
Bruns Beitr Klin Chir 217:641-8, Dec 69 (Ger)
[Blood flow of the stomach and secretion of the gastric juice] Hiraki K, et al.
Jap J Clin Med 28:2460-4, Oct 70 (24 ref.) (Jap)
[The reaction of the vessels of the cat stomach to the action of moisture and cold on the hindlimbs]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sidorenkov OK.
Biull Eksp Biol Med 69:36-8, Jun 70 (Rus)
[Effect of local cooling of extremities on stomach vascular tonus and blood supply] Sidorenkov OK.
Fiziol Zh SSSR 56:1474-7, Oct 70 (Rus)

CYTOLOGY

Comparative effects of glycopyrrolate, atropine sulfate and propantheline bromide on canine parietal cell ultrastructure. Posey EL Jr, et al.
Am J Dig Dis 15:1091-8, Dec 70
Gastric surface morphology in man, monkey, and ferret. Evidence for in situ surface cell degeneration. Pfeiffer CJ. Exp Mol Pathol 13:319-28, Dec 70
Tissue-specific inhibition of cell proliferation in embryonic stomach epithelium in vitro. Philpott GW. Gastroenterology 61:25-34, Jul 71
The endocrine polypeptide cells of the human stomach, duodenum, and jejunum. Pearse AG, et al.
Gut 11:649-58, Aug 70
Surface topology of the stomach in man and the laboratory ferret. Pfeiffer CJ.
J Ultrastruct Res 33:252-62, Nov 70
Light and electron microscopic identification of the histamine-storing argyrophil (ECL) cell in murine stomach and of its equivalent in other mammals. Capella C, et al.
Z Zellforsch Mikrosk Anat 118:68-84, 1971
[Study of certain endocrine cells located in the junction between non-glandular and glandular areas of the stomach by silver impregnation, fluorescence technics and electron microscopy] Lefranc G, et al.
C R Soc Biol (Paris) 164:2121-5, 1970 (Fre)
[Antibodies against parietal cells and intrinsic factor in gastrointestinal diseases and in diabetes mellitus] Fixa B, et al. Med Klin 65:17-21, 2 Jan 70 (Ger)
[Fundamental studies on x-ray findings of area gastricae] Yamamoto K.
Nippon Acta Radiol 30:734-66, Nov 70 (Jap)

DRUG EFFECTS

Aspirin, ethanol and the stomach. Cooke AR.
Australas Ann Med 19:269-74, Aug 70 (55 ref.)
Inhibitory and excitatory effects of sympathomimetic amines on muscle strips from the stomach of the guinea-pig. Bailey DM.
Br J Pharmacol 41:227-38, Feb 71
Impairment of gastric mucus by cortisol and adrenocorticotrophic hormone (ACTH). Baddeley RM, et al. Br J Surg 58:298, Apr 71
The effect of hexamethonium and atropine on gastric emptying of hyperosmolar glucose solution. Goodall P. Br J Surg 57:857, Nov 70
The dose response of the electrical activity, motor activity, and acid secretion to an i.v. infusion of pentagastrin. Ng Kee Kwong KK, et al.
Br J Surg 57:848, Nov 70
Pharmacological emptying of the stomach with metoclopramide. Howells TH, et al.
Br Med J 2:558-60, 5 Jun 71
Effects of cortisone on acid, pepsin, sulfated polysaccharides and glycoprotein secretion by the mucosa of denervated fundic pouches of dogs. Bremen J, et al. Digestion 4:81-91, 1971
The effect of secretin on gastric emptying in man. Vagne M, et al. Gastroenterology 60:421-4, Mar 71
Effect of secretin on gastric acid secretion in response to cholinergic stimuli. Way LW.
Gastroenterology 59:510-7, Oct 70
Inhibition of gastric secretion in man by prostaglandin A. Wilson DE, et al. Gastroenterology 61:201-6, Aug 71
Effect of cigarette smoking on human gastric secretory responses. Debas HT, et al. Gut 12:93-6, Feb 71
Gastric acid secretion in Chinese with particular reference to the dose of histamine required for maximal stimulation. Fung WP. Gut 11:955-61, Nov 70
The selectivity of an anticholinergic drug on gastric secretion--a study of oxyphencyclimine hydrochloride. Herrmann RP, et al. Gut 11:979, Nov 70
The effect of metoclopramide on gastroduodenal and gallbladder contractions. Johnson AG.
Gut 12:158-63, Feb 71
The action of metoclopramide on human gastroduodenal motility. Johnson AG.
Gut 12:421-6, Jun 71
Influence of immediately preceding insulin test on response to pentagastrin after highly selective vagotomy. Johnston D, et al. Gut 12:493-4, Jun 71
Studies of the effect of metoclopramide and apomorphine on gastric emptying and secretion in man. Ramsbottom N, et al. Gut 11:989-93, Dec 70
The effect of the histidine decarboxylase inhibitor brocresine (NSD-1055) on gastric acid secretion in rats. Becker M, et al.
J Pharm Pharmacol 23:434-7, Jun 71
Some pharmacological actions of alytesin and bombesin. Erspamer V, et al.
J Pharm Pharmacol 22:875-6, Nov 70
Effects of intragastric hyperosmolal solutions on gastric function. Harper AA, et al.
J Physiol (Lond) 209:453-72, Aug 70
Membrane activity of the guinea-pig stomach muscle following barium replacement o calcium ion. Sakamoto Y. Jap J Physiol 20:610-25, 15 Dec 70
Influence of phenoxybenzamine on gastric evacuation in rats. Giri SN, et al. Life Sci [I] 9:1109-15, 1 Oct 70
Alterations in stomach wall ATP-ADP induced by atropine treatment. Mózsik G, et al.
Pharmacology 4:113-9, 1970
Action of actinomycin D on the GI tract: implications for enzyme induction studies. Yatvin MB.
Proc Soc Exp Biol Med 136:1010-3, Mar 71
Response of the electrical activity, motor activity and acid secretion of the human stomach to pentagastrin and histamine stimulation. Kwong NK, et al.
Scand J Gastroenterol 6:145-53, 1971
The effect of phthalapromine (LU 3-010) on gastric motility in man. Stadaas J, et al.
Scand J Gastroenterol 6:23-7, 1971
The effect of metoclopramide (Primperan) on gastric motility before and after vagotomy in man. Stadaas J, et al. Scand J Gastroenterol 6:17-21, 1971
Reduction of gastric acid output in rats by glucose. Thorsöe H. Scand J Gastroenterol 6:319-21, 1971
[Histological changes of the gastric wall in dogs submitted to the action of phenylbutazone] Barroy JP, et al.
Acta Gastroenterol Belg 33:469-81, Jul 70 (Fre)
[Gastric acid and electrolyte levels in normal, dyspeptic and gastritic patients afterhigh-dose histamine test] Ligny G, et al.
Acta Gastroenterol Belg 33:616-21, Aug-Sep 70 (Fre)
[Soluble and injectable aspirin (lysine acetylsalicylate). Contribution to the study of digestive accidents with acetylsalicylic acid] Aron E, et al. Arch Fr Mal App Dig 59:573-88, Sep 70 (Fre)
[Protective effect of thiopreperazine and of tranxenemic acid (AMCHA) on gastric vasomotor response induced by polymyxin B in the rat] Bel A, et al. Biol Gastroenterol (Paris) 2:117-26, 1969 (Fre)
[Action of ethyl-urethane on the gastric evacuation in the rat] Rozé C, et al.
C R Soc Biol (Paris) 164:1955-8, 1970 (Fre)
[Influence of ethanol on gastric evacuation: clinical and experimental study] Harichaux P, et al.
Lille Med 15:1059-65, Aug-Sep 70 (Fre)
[Action of ethanol on the gastric evacuation: clinical and experimental study] Harichaux P, et al.
Presse Med 78:2134, 14 Nov 70 (Fre)
[Radiokinesimetric study of metochlopramide on the bile ducts, Wirsung's canal, duodenum and stomach] Kapandji M. Therapeutique 45:615-33, Jun-Jul 69 (Fre)
[Effect of adenosine-3,'5'-cyclic monophosphate on basal gastric acid secretion in human] Mertz DP, et al.
Klin Wochenschr 49:936-9, 15 Aug 71 (Ger)
[Effect of chemical mediators of nervous regulation on the gastro-duodenal electric activity in dogs] Lanfranchi GA, et al.
Arch Ital Mal Appar Dig 36:144-65, May-Aug 69 (Ita)
[Normalizing action of gefarnate on gastric function during corticoid treatment] Fanteria E, et al.
Minerva Gastroenterol 17:32-7, Jan-Mar 71 (Ita)
[Symposium--pharmacology of the smooth muscle at the cellular level. 2. Effects of drugs on the slow waves and spikes of the smooth muscle of the guinea pig stomach] Kuriyama H, et al.
Folia Pharmacol Jap 66:88-9, 20 Jul 70 (Jap)
[Effects of 2-(o-chlorophenyl)-2-methylamino cyclohexanone hydrochloride (Ketalar) upon the movements of the stomach and small intestine of dogs] Mori T, et al.
Jap J Anesthesiol 19:1435-7, Dec 70 (Jap)
[Effect of xilamide on the basal gastric secretion and secretion stimulated by pentagastrin in patients with duodenal ulcer] Bicalho SA, et al.
Rev Assoc Med Bras 17:57-60, Feb 71 (Por)
[Morphohistochemical changes in the organs of healthy dogs during a prolonged intra-arterial infusion of penicillin] Zakharova LB, et al.
Antibiotiki 16:127-30, Feb 71 (Rus)
[The effect of serotonin on the d-receptors of smooth muscles] Abramets II, et al.
Biull Eksp Biol Med 66:62-6, Aug 68 (Rus)
[The effect of adenylic nucleotides on the electrical and mechanical activity of guinea pig taenia coli and the annular muscle of the frog stomach] Poskonova MA, et al.
Dokl Akad Nauk SSSR 190:1494-7, Feb 70 (Rus)
[Effect of certain types of general anesthesia on gastric secretion] Donchenko VS.
Eksp Khir Anesteziol 15:76-80, Jul-Aug 70 (Rus)
[Effect of hormone and drug therapy on the functional status of the stomach in children with rheumatism in the active phase] Bisiarina VP, et al.
Vopr Revm 11:46-51, Jan-Mar 71 (Rus)
[Response to insulin in normal and pathological unoperated stomachs] Chulia Orti F, et al.
Rev Esp Enferm Apar Dig 32:139-48, Aug-Sep 70 (Spa)
[Gastroduodenal hemorrhages caused by aspirin] Del Rio A, et al.
Rev Esp Enferm Apar Dig 32:739-46, 1 Dec 70 (Spa)
[Biological effect of vitamin A] Dusheiko AA, et al.
Ukr Biokhim Zh 42:530-41, 1970 (62 ref.) (Ukr)

EMBRYOLOGY

The secretory function of the stomach in the canine fetus: the use of an experimental model to test the response to gastric stimulants. Coran AG, et al.
J Pediatr Surg 6:324-32, Jun 71
[Organogenesis of the stomach in the chick embryo: development of the proventricular epithelium in contact with surfaces conditioned by mesenchyme] Sigot M, et al.
J Embryol Exp Morphol 24:43-63, Aug 70 (Fre)
[Development of isologous cell suspensions-transplants from embryonic intestinal and stomach rudiments in rats] Usadel KH, et al.
Z Gesamte Exp Med 153:273-89, 1970 (Ger)

ENZYMOLOGY

The purification and properties of carbonic anhydrases from guinea-pig erythrocytes and mucosae of the gastrointestinal tract. Carter MJ, et al.
Biochem J 120:797-806, Dec 70
Pathways towards the ABH antigens of red cells and secretions. Watkins WM. Br J Haematol 21:352, Sep 71
An immunological and chromatographic comparison of human intrinsic factor and the acid-stable gastric esterase VI A. Rapp W, et al.
Clin Exp Immunol 9:11-20, Jul 71
The role of endogenous gastrin in the activation of gastric histidine decarboxylase in the rat. Effect of antrectomy and vagal denervation. Håkanson R, et al.
Eur J Pharmacol 12:94-103, 1 Sep 70
Histological localization of plasminogen activator and proteolytic activity in the human stomach and duodenum. Eras P, et al. Gut 11:851-4, Oct 70
Histochemical analysis of molluscan stomach and intestinal alkaline phosphatase: a sialoglycoprotein. Varute AT, et al. Histochemie 25:77-90, 1971
Lamb gastric lipase and proteases in cheese manufacture. Chaudhari RV, et al.
J Dairy Sci 54:467-71, Apr 71
On the presence of histidine decarboxylase activity in rat forestomach. Ellenbogen L, et al.
J Pharm Pharmacol 23:634-6, Aug 71
[The problem of proteolysis in the stomach after discovery of the new pepsins] Buchs S.
Dtsch Med Wochenschr 96:511-7, 19 Mar 71 (48 ref.) (Ger)
[Effects of glucagon on the acid electrolyte and pepsinogen secretion of the human stomach, stimulated by methylxanthine (theophylline)] Miederer SE, et al.
Klin Wochenschr 48:1339-43, 15 Nov 70 (Ger)
[Effect of the histidine decarboxylase inhibitor brocresine (NSD-1055) on gastric histidine decarboxylase and hydrochloric acid secretion in rats] Mesch H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:402-3, 1970 (Ger)
[Histochemical and ultrastructural study of the acid phosphatase, alkaline phosphatase, and adenosine triphosphatase contents in the pars proventricularis epithelium of the horse stomach] Schnorr B, et al.
Z Zellforsch Mikrosk Anat 114:482-92, 1971 (Ger)
[Determination of gastric lipase as a sensitive test of gastric secretory function] Szafran H, et al.
Przegl Lek 26:828-31, 1970 (Pol)

GROWTH & DEVELOPMENT

Development of structure and function in the fetal and newborn stomach. Deren JS.
Am J Clin Nutr 24:144-59, Jan 71 (113 ref.)

IMMUNOLOGY

The significance of gastric antibodies. Fisher JM, et al.
Br J Haematol 20:1-7, Jan 71 (48 ref.)
Heat-labile natural anti-digestive antibodies in animals. Zweibaum A. Experientia 26:1005-6, 26 Sep 70
Gastric autoimmunity in pernicious anaemia. Strickland RG, et al. Gut 11:980, Nov 70
Presence in rabbit colostrum of IgA autoantibodies to a gastric antigen. Wise RD, et al.
J Immunol 107:47-55, Jul 71
Gastrointestinal findings in autoimmune thyroiditis and non-goitrous juvenile hypothyroidism in children. Kuitunen P, et al. Scand J Gastroenterol 6:336-41, 1971
[Immunology of chronic gastritis. Review of literature. I. Stomach antibodies] Bíža J.
Cas Lek Cesk 110:220-4, Mar 71 (Cze)

INJURIES

Gastroscopy in corrosive burn of the stomach. Ashbaugh DG, et al. JAMA 216:1638-9, 7 Jun 71
[Extensive burns of the stomach caused by the drinking of hydrochloric acid] Roding B, et al.
Ned Tijdschr Geneeskd 114:2115-6, 12 Dec 70 (Dut)
[Experimental study of emergency treatment of stomach burns due to ingestion of acids] Desoille H, et al. Arch Mal Prof 30:201-11, Apr-May 69 (Fre)
[Roentgenographic findings of a hydrochlorid acid burn of the stomach and its pathological-anatomical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

correlation] Treichel J, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:120-2, Jul 71 (Ger)
[Early gastrectomy following chemical burns] Držečnik J, et al. Langenbecks Arch Chir 322:733-7, 1968 (Ger)
[Roentgenological and pathomorphological finding of the stomach after hydrochloric acid burns] Macha HN, et al. Med Monatsschr 25:17-20, Jan 71 (Ger)
[On clod traumas of the abdomen: anatomical, clinical, therapeutic and urgical considerations on some cases of gastric lesions due to rupture] Luccioni L, et al.
Ann Ital Chir 45:226-41, 1969 (Ita)
[Regenerating gastric muscle tissue under various experimental conditions] Verzhbitskaia NI.
Biull Eksp Biol Med 65:99-102, May 68 (Rus)
[Multiple injuries of the organs of the abdominal cavity in closed trauma of the stomach] Okruzhko IF, et al.
Khirurgiia (Mosk) 46:122-3, Oct 70 (Rus)
[Isolated injuries of the duodenum in closed stomach trauma] Fel'dman KhI.
Pediatr Akush Ginekol 4:27-8, Jul-Aug 68 (Ukr)

INNERVATION

Comparison of gastric and renal nerve activity. Nisimaru N. Am J Physiol 220:1303-8, May 71
Parietal cell vagotomy. Studies of gastric emptying and observations of protection from histamine-induced ulcer. Interone CV, et al. Arch Surg 102:43-4, Jan 71
Selective gastric vagotomy. Anatomical, experimental and clinical observations. Inberg MV.
Int Surg 54:323-31, Nov 70
The inhibitory and excitatory properties of alpha adrenoceptors in the rat stomach. Ogle CW, et al.
Life Sci [I] 10:153-9, 1 Feb 71
Some contributions to the influence of the autonomic nervous system on the experimental induction of cancer of the stomach. Mizukami T, et al.
Neoplasma 17:649-54, 1970
Gastric and pancreatic sympathetic denervation in the rat. Technique and results. Alm P, et al.
Scand J Gastroenterol 6:207-12, 1971
Studies on the parasympathetic control of gastric mucus secretion. Wise L, et al.
Surg Forum 21:302-14, 1970
[Histochemical and histoenzymologic research on the metabolic synergism between neurons and neuroglia in the nervous ventral chain of the leech, Hirudo medicinalis] Gerebtzoff MA.
Bull Acad R Med Belg 10:337-61, 1970 (Fre)
[Experimental basis of the new ulcer surgery] Aeberhard P, et al.
Schweiz Med Wochenschr 100:1775-80, 17 Oct 70 (Ger)
[Anatomo-surgical bases of selective vagotomy. (Anatomosurgical contribution)] Sebastiani M, et al.
Biol Lat 22:89-99, Apr-Jun 69 (Ita)
[The vagal inhibitory responses of the motility of frog's stomach] Fujii Y.
Jap J Smooth Muscle Res 6:202-7, Sep 70 (Jap)
[Nervous regulation of gastric motility] Haffner J, et al.
Tidsskr Nor Laegeforen 91:596-601, 20 Mar 71 (Nor)
[Quantitative characteristics of pressor reflexes caused by the action of lactic acid on the reflexogenic zone of the epicardium and pericardium] Maliarenko IuE. Biull Eksp Biol Med 71:3-6, Apr 71 (Rus)
[Characteristics of the parasympathetic innervation of the stomach] Poliak RI, et al.
Biull Eksp Biol Med 71:27-30, Apr 71 (Rus)
[Gastric secretory apparatus activity following extirpation of the cerebellum] Gazgian DM.
Fiziol Zh SSSR 56:1049-54, 1970 (Rus)
[Integration processes during interoceptive signals] Varbanova A. Fiziol Zh SSSR 57:512-8, Apr 71 (Rus)
[Conservation of the vagus nerve in gastrectomy] Masiukova EM, et al.
Khirurgiia (Mosk) 46:39-42, Jun 70 (Rus)
[Regulation of motor function of large intestine with stomach receptors] Vorobiova NN.
Fiziol Zh 16:125-9, Jan-Feb 70 (Ukr)

METABOLISM

Effect of pentagastrin on gastric HCl secretion and histamine content of the stomach of rats. Lin TM, et al. Arch Int Pharmacodyn Ther 188:145-55, Nov 70
14 C-5-hydroxytryptamine and 3 H-D-amphetamine: uptake and contraction by the rat stomach fundus in vitro. Vaccari A, et al.
Biochem Pharmacol 19:2105-15, Jun 70
Biosynthesis of prostaglandins E2 and F2-alpha from tritium-labelled arachidonic acid by rat stomach homogenates. Pace-Asciak C, et al.
Biochim Biophys Acta 218:539-42, 15 Dec 70
Method for the quantitative wash-out of the stomach in the anaesthetized rat. Hetreed MA, et al.
Br J Pharmacol 41:419P, Feb 71
Absorption and metabolism of L-dopa by the human stomach. Rivera-Calimlim L, et al.
Eur J Clin Invest 1:313-20, May 71
Detection and possible role of a chain methylated histamine metabolite(s) in guinea-pig stomach. Kovacs EM, et al. Eur J Pharmacol 11:349-60, 1970
Uptake and localization of radioactive zinc in the visceral complex of the land pulmonate Arion rufus. Schoettli G, et al. Experientia 26:1212-3, 15 Nov 70
Mucopolysaccharide histochemistry of the stomach of fishes with different food habits. Jirge SK.
Folia Histochem Cytochem (Krakow) 8:275-9, 1970
Ion transport by the primate neonatal stomach. Chez RA. Gynecol Invest 1:39-45, 1970
The effect of the anion on the absorption of tetracycline from the rat stomach. Perrin JH, et al.
J Pharm Pharmacol 22:758-62, Oct 70
A model to explain uphill water transport in the mammalian stomach. Rehm WS, et al.
J Theor Biol 27:433-53, Jun 70
Formation of N-nitrosopiperidine from piperidine and sodium nitrite in the stomach and the isolated intestinal loop of the rat. Alam BS, et al.
Nature (Lond) 232:116-8, 9 Jul 71
Accumulation of exogenous 1-3,4-dihydroxyphenylalanine in the duodenum, the stomach, the liver and the heart of the chicken embryo. Gripenberg J, et al.
Pharmacology 4:287-96, 1970
Stomach uptake simulating tumor following the intra-arterial injection of 75Se-selenomethionine. Quinn JL 3d, et al. Radiology 98:341-2, Feb 71
Studies on gastric absorption of lipids in the suckling rat. Egelrud T, et al.
Scand J Gastroenterol 6:329-33, 1971
Absorption of warfarin from the stomach and small intestine. Pyörälä K, et al.
Scand J Gastroenterol 6:Suppl 9:95-103, 1971
Histamine metabolism in the dog stomach as determined by intra-arterial infusion of histamine-14C. Dombro R, et al.
Surgery 69:504-9, Apr 71
[Alcohol elimination in persons with resected stomach] Kürzinger R.
Dtsch Gesundheitsw 25:2022-7, 22 Oct 70 (Ger)
[The physico-chemical state of Sr90 in the contents of the gastrointestinal tract] Frolova EI, et al.
Biull Eksp Biol Med 68:59-61, Aug 68 (Rus)
[The level of histamine and serotonin in the rat stomach wall in the development of neurogenic dystrophy] Grechishkin LL, et al.
Biull Eksp Biol Med 69:31-3, Mar 70 (Rus)
[Absorption of ionic and complex-bound copper in the stomach and small intestine] Merkulova IS, et al.
Biull Eksp Biol Med 66:56-8, Aug 68 (Rus)
[Analysis of the effect of quateron on the level of adrenalin and noradrenalin in various stomach strata] Mirzoian SA, et al.
Biull Eksp Biol Med 68:56-8, Oct 69 (Rus)
[Changes in the rate of glucose C-14 absorption and incorporation into organs and tissues during hypoxia] Smirnov KV, et al.
Biull Eksp Biol Med 70:29-31, Dec 70 (Rus)
[Mechanism of action of ultrasound oscillation on the smooth muscles] Kobakhidze AV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:248-53, May-Jun 70 (Rus)
[Effect of the Dzhermuk health resort mineral water on the content of histamine and histaminopexic capacity of gastric tissue in normal and pathological state] Mirzoian SA, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:222-4, May-Jun 70 (Rus)

MICROBIOLOGY

Isolation of acid-fast bacilli from contaminated specimens. Gruft H. Health Lab Sci 8:79-82, Apr 71
The microflora of the pig stomach and its possible relationship to ulceration of the pars oesophagea. Tannock GW, et al. J Comp Pathol 80:359-67, Jul 70
[Particles of viral asepct in stomach cells of the cuttle-fish Sepia officinalis L. (Mollusca, Cephalopoda)] Devauchelle G, et al.
C R Acad Sci [D] (Paris) 272:894-6, 8 Feb 71 (Fre)
[Wound infections after operations on chlorhydric and achlorhydric stomachs] Johnson JA, et al.
Tidsskr Nor Laegeforen 91:22-4, 10 Jan 71 (Nor)
[Gastric microbial flora and its sensitivity to antibiotics following a short-time use of the tetracyclines morphocycline and glycocycline] Gitinov GG, et al.
Antibiotiki 15:743-8, Aug 70 (Rus)
[Stomach microflora in patients with laryngeal cancer] Makukha AL.
Zh Ushn Nos Gorl Bolezn 30:94-8, Jul-Aug 70 (Rus)

PATHOLOGY

Fine structure of xanthelasma of the stomach. Takebayashi S. Acta Pathol Jap 20:357-63, Aug 70
Autopsy findings in the upper gastrointestinal tract of 81 burn patients. A review. Law EJ, et al.
Arch Surg 102:412-5, Apr 71
Gastric polyps. Histologic types and their relationship to gastric carcinoma. Tomasulo J.
Cancer 27:1346-55, Jun 71
Obeliscoides cuniculi: comparison of gastric lesions in rabbits with those of bovine ostertagiosis. Russell SW, et al. Exp Parasitol 28:217-25, Oct 70
Ultrastructure of plasma cells containing Russell bodies in human stomach and thyroid. Gray A, et al.
J Clin Pathol 23:608-12, Oct 70
Extrusion of brain into stomach: report of a case. Gross EM. J Forensic Sci 15:392-5, Jul 70
Gastric ulcer in fundic-gland area. Yamagiwa H.
Mie Med J 20:81-5 passim, May 70
Endoscopic observations of the postoperative gastric remnant with special reference to changes in the gastroenterostomy stoma. Kawa K.
Osaka City Med J 16:79-106, 1970
Some aspects of gastroscopy and gastric biopsy. Lawso HH. S Afr Med J 44:1358-9, 28 Nov 70
Gastric and intestinal biopsy: experience with the Crosby capsule. Heung VY, et al.
Singapore Med J 11:182-6, Sep 70
[Reticulo-plasmocyte sarcoma of the stomach. An anatomic case] Périé G, et al.
Arch Anat Pathol (Paris) 19:65-9, Mar 71 (Fre)
[Diagnostic value of gastroscopy and cytology in gastric carcinoma] Halter F, et al.
Schweiz Med Wochenschr 100:1220-1, 11 Jul 70 (Ger)
[Stomach biopsy in non-neoplastic diseases] Gasbarrini G, et al.
Bull Sci Med (Bologna) 142:201-13, Apr-Jun 70 (Ita)
[Plasmocytoma of the stomach. Anatomo-clinical considerations] Rossi GN, et al.
Minerva Chir 25:960-70, 15 Jul 70 (Ita)
[Pathologic anatomy of gastro-intestinal ulcers in newborns and infant. IV. Acute gastric ulcer and subchronic duodenal ulcer in premature infants] Stefani M, et al.
Riv Anat Patol Oncol 33:19-42, 1968 (Ita)
[Relationship between chief complaints and pathological findings of th stomach in gastric cancer] Kikuchi K, et al. Iryo 24:969-78, Dec 70 (Jap)
[Gastric histological aspects of patients with achlorhydria] Banciu T, et al.
Med Interna (Bucur) 23:503-8, Apr 71 (Rum)
[Morphologic changes in the organs of the gastrointestinal tract following selective vagotomy (experimental study)] Karpov PF, et al.
Klin Khir 4:38-41, 1971 (Rus)
[Clinico-morphologic comparisons in gastritis of the distal part of the stomach] Smirnova NV.
Ter Arkh 42:12-7, Oct 70 (Rus)
[New technic in the anatomo-pathological study of incipient gastric cancer] Hirsch L, et al.
Rev Med Chil 99:585-8, Aug 71 (Spa)

PHYSIOLOGY

Gastric inflation due to artificial respiration. Ruben H, et al. Acta Anaesthesiol Scand 14:281-5, 1970
Studies on the gastric emptying mechanism in healthy persons and patients after partial gastrectomy. Berger T. Acta Chir Scand Suppl 404:1+, 1969
Regional enterocolitis (Crohn's disease). Gastric emptying in infants. Cavell B.
Acta Paediatr Scand 60:105, Jan 71
A concept of motor control by the pacesetter potential in the stomach and small bowel. Code CF, et al.
Am J Dig Dis 16:601, Jul 71
The possible role of close contacts (nexuses) in the propagation of control electrical activity in the stomach and small intestine. Daniel EE, et al.
Am J Dig Dis 16:611-22, Jul 71
Electrical activity of the stomach and upper intestine. Daniel EE, et al. Am J Dig Dis 16:602-10, Jul 71
Effect of vagotomy and-or antrectomy on gastric secretion stimulated by intravenous infusion of bethanechol chloride. Study on rats with gastric fistula. Kowalewski K. Am J Dig Dis 16:19-26, Jan 71
Electrical activity of the gastric antrum in normal human subjects. Monges H, et al.
Am J Dig Dis 16:623-7, Jul 71
Membrane activity in guinea pig gastric sling muscle: a nerve-dependent phenomenon. Beck CS, et al.
Am J Physiol 220:1397-403, May 71
Molecular factors in antral permeation: their proposed role in gastrin release. Berkowitz JM, et al.
Am J Physiol 221:259-65, Jul 71
Canine gastric pacemaker. Kelly KA, et al.
Am J Physiol 220:112-8, Jan 71
Inhibition of succinylcholine-induced increased intragastric pressure by nondepolarizing muscle relaxants and lidocaine. Miller RD, et al.
Anesthesiology 34:185-8, Feb 71
Heineke-Mikulicz and Finney pyloroplasties. Effect on gastric emptying before and after vagotomy. Lulu DJ, et al. Arch Surg 102:512-5, May 71
The myoelectrical activity of the isolated perfused canine stomach nand duodenum. Green WE, et al.
Br J Surg 57:858, Nov 70
Effect of antroneurolysis on gastric secretion in dogs with total gastric fistula. Hall R, et al.
Br J Surg 58:273-6, Apr 71
Electrical activity of the stomach.
Br Med J 3:596-7, 11 Sep 71
Effect of vagotomy on the acid response to gastric distension. Preshaw RM.
Can J Physiol Pharmacol 48:670-4, Oct 70
Influence of the antrum on the acid response to distension of the body of the stomach in dogs. Preshaw RM. Can J Physiol Pharmacol 48:661-9, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Blood flow and gastrointestinal function. Bynum TE, et al. Gastroenterology 60:325-35, Feb 71 (59 ref.)
Gastric reflux during perfusion of the proximal small bowel. Gustke RF, et al. Gastroenterology 59:890-5, Dec 70
Pacemaker localization and electrical conduction patterns in the canine stomach. Weber J Jr, et al. Gastroenterology 59:717-26, Nov 70
Pacesetter potential of the human gastroduodenal junction. Duthie HL, et al. Gut 12:250-6, Apr 71
The responses of gastric motility and their location by stimulating the thoracic cord of the dog. Semba T, et al. Hiroshima J Med Sci 19:73-85, Sep 70
Influence of peristaltic contraction of the stomach on blood flow through the gastrosplenic vein. Semba T, et al. Hiroshima J Med Sci 19:87-97, Sep 70
Serotonin assay: a tissue chamber and recording lever for the fundus strip method. Hedlund L, et al. J Appl Physiol 30:787-91, May 71
Gastric capacity and energy absorption in the force-fed rat. Bull LS, et al. J Nutr 101:593-6, May 71
A technique of perfusion of the isolated canine stomach. Green WE, et al. J Physiol (Lond) 208:8P-9P, May 70
Gastric emptying in young pigs. Ochia BA. J Physiol (Lond) 214:45P-46P, Apr 71
Secretory behaviour and histamine formation in the rat Heidenhain pouch following antrectomy. Svensson SE. J Physiol (Lond) 207:699-708, May 70
The membrane properties and decremental conduction of excitation in the fundus of the guinea-pig stomach. Osa T, et al. Jap J Physiol 20:626-39, 15 Dec 70
The relationship between the electrical and mechanical activity of the guinea-pig stomach. Sakamoto Y, et al. Jap J Physiol 20:640-56, 15 Dec 70
The electric and mechanical activity of the gastroduodenal junction. Bass P. Jap J Smooth Muscle Res 6:93-5, Jun 70
A concept of motor control by the pacesetter potential in the stomach and small bowel. Code CF, et al. Jap J Smooth Muscle Res 6:67-8, Jun 70
The electrical activity of the stomach and upper intestine as determinant of mechanical activity. Daniel EE, et al. Jap J Smooth Muscle Res 6:97-8, Jun 70
The control of gastric motility by the gastric pacesetter potential. Kelly KA, et al. Jap J Smooth Muscle Res 6:99-101, Jun 70
Human electrogastrography. Koatsu S. Jap J Smooth Muscle Res 6:129-32, Jun 70
Electronic modeling of the gastric and small intestinal pacemakers and conduction mechanisms. Nelsen TS. Jap J Smooth Muscle Res 6:75-7, Jun 70
What is important of the gastric smooth muscle in the origin of peptic ulcer? Oi M. Jap J Smooth Muscle Res 6:51-5, Jun 70
Triggering of the stomach eversion reflex of Acanthaster planci by coral extracts. Brauer RW, et al. Nature (Lond) 228:344-6, 24 Oct 70
Serial roentgenographic observations on the passage of foods through the human stomach. Toyama T, et al. Radiol Clin Biol 40:29-38, 1971
The effect of insulin upon the secretory response to feeding in dog with selective vagotomy of the parietal cell mass. Amdrup BM, et al. Scand J Gastroenterol 5:655-65, 1970
The effect of a ganglion-blocking agent (hexamethonium bromide) upon the secretory response to feeding in dogs with selective vagotomy of the parietal cell mass. Amdrup BM, et al. Scand J Gastroenterol 5:667-74, 1970
Effect of gastrin pentapeptide on gastric emptying of liquids. Dozois RR, et al. Surg Forum 21:293-5, 1970
The relationships of gastric transection and vagotomy to gastric emptying. Kilby JO, et al. Surgery 69:633-6, Apr 71
Selective and total vagotomy with suprapyloric antrectomy: a comparative study of gastric secretion and emptying in dogs. Kilby JO, et al. Surgery 69:702-7, May 71
[Effect of pentagastrin preparations on motor activity of gastric angulus and parietal secretion] Enderle E, et al. Cas Lek Cesk 110:637-8, 1971 (Cze)
[Electrophysiologic study of the gastric motility. I. Comparative electrogastromyography] Roche M, et al. C R Soc Biol (Paris) 164:1528-34, 1970 (Fre)
[Motor activity of the duodenum in man: correlation with antral contraction and electical activity] Couturier D, et al. J Physiol (Paris) 62:387-405, Sep-Oct 70 (Fre)
[Comparative study of gastric electromyography] Roche M, et al. J Physiol (Paris) 62:Suppl 3:441, 1970 (Fre)
[Histaminergic kininergic and hydroxytryptaminergic neurons in the intramural ganglia of the gastric and bladder muscles of the frog] Singh I, et al. J Physiol (Paris) 62:431-9, Sep-Oct 70 (Fre)
[Hydroxytryptaminergic transmission of the intraparietal nerves to the smooth muscle of dog esophagus] Singh I, et al. J Physiol (Paris) 62:421-9, Sep-Oct 70 (Fre)
[Examinations on gastric function] Arnold J. Praxis 60:37-47, 12 Jan 71 (Fre)
[Stimulus conduction during the transport of chyme from the stomach into the duodenum] Greven K. Hippokrates 42:102-3, Mar 71 (Ger)
[Current knowledge on the physiological and surgical significance of the gastric antrum] Hart W. Langenbecks Arch Chir 322:703-8, 1968 (Ger)
[Biologic normal values in Wistar (Jena) rats of different ages. VI. Stomach emptying time, small intestine transit time and length development of the small intestine] Hoffmann H. Z Versuchstierkd 12:347-55, 1970 (Ger)
[Control of gastric motility by the thoracic cord] Senba T, et al. Brain Nerve (Tokyo) 23:679-84, Jun 71 (Jap)
[Study of the electrical and mechanical activities in stomach smooth muscle: effects of splanchnic nerve stimulation, catecholamine, reserpine and phentolamine] Sakamoto S. J Kumamoto Med Soc 45:229-39, 25 Feb 71 (Jap)
[Corpo-pyloric reflex] Neya T. J Physiol Soc Jap 33:289-93, 1971 (Jap)
[Electromyography of the stomach and gastric juice secretion] Nagao F, et al. Jap J Clin Med 28:2412-8, Oct 70 (19 ref.) (Jap)
Photo-optical measurement of gastric motility] Abo M, et al. Jap J Smooth Muscle Res 6:208-12, Sep 70 (Jap)
[Role of the vagus nerve in control of gastric motility, with special reference to the inhibition mechanism of the vagus nerve] Oga A. Jap J Smooth Muscle Res 6:163-87, Sep 70 (169 ref.) (Jap)
[Motility of the stomach] Stadaas J, et al. Nord Med 85:601, 13 May 71 (Nor)
[Posttraumatic regeneration of the gastric muscle layer] Verzhbitskaia NI. Arkh Anat Gistol Embriol 59:46-51, 1970 (Rus)
[Changes in periodic gastric motor activity following transection of the intestine at different levels] Isakhanov GI. Biull Eksp Biol Med 66:45-8, 1968 (Rus)
[Implantation of non-polarizing electrodes for registering the ultra-slow potentials of the gastrointestinal tract in chronic experiments] Sobakin MA, et al. Biull Eksp Biol Med 65:120-2, Apr 68 (Rus)
[Quantitative characteristics of reparative processes in the rat stomach following resection of the fundal region] Timashkevich TB. Biull Eksp Biol Med 72:91-4, Jul 71 (Rus)
[The relation between the motor and evacuatory activity of the organs of the gastrointestinal tract and their functional state] Barashkova GM. Fiziol Zh SSSR 56:419-25, Mar 70 (Rus)
[Electric activity of the stomach and small intestine smooth muscles] Bogach PG, et al. Fiziol Zh SSSR 57:276-83, Feb 71 (Rus)
[Motor activity of the stomach in the Black Sea scorpion fish (Scorpaena porcus L.)] Gzgzian DM, et al. Fiziol Zh SSSR 57:594-601, Apr 71 (Rus)
[The electrical and contractile activity of the smooth muscles of the cat stomach] Kochemasova NG, et al. Fiziol Zh SSSR 56:246-54, Feb 70 (Rus)
[Relation between the period of basic electrical rhythm and the contractile function of the stomach] Ustinov VN, et al. Fiziol Zh SSSR 56:426-33, Mar 70 (Rus)
[Interrelation of the bioelectric and motor activity of the stomach, duodenum and gallbladder] Ustinov VN, et al. Fiziol Zh SSSR 57:284-91, Feb 71 (Rus)
[Effect of occupational damp cooling on gastric function] Sidorenkov OK. Gig Tr Prof Zabol 15:21-4, 1971 (Rus)
[The effect of food on formation of the peritrophic membrane of female Aedes aegypti L. mosquitoes] Zhuzhikov DP, et al. Med Parazitol (Mosk) 39:690-4, Nov-Dec 70 (Rus)
[Emptying of the stomach and rate of passage in the upper part of the small intestine] Carlberger G, et al. Nord Med 86:884, 22 Jul 71 (Swe)
[Studies of stomach emptying using 51Cr-labelled food] Persson JE, et al. Nord Med 86:883-4, 22 Jul 71 (Swe)

PHYSIOPATHOLOGY

Absorption studies after excisional surgery of esophageal and high gastric carcinoma. Inberg MV, et al. Acta Chir Scand 136:509-16, 1970
Intragastric pressure-volume relationship before and after vagotomy. Stadaas J, et al. Acta Chir Scand 136:611-5, 1970
The intrinsic factor secretion in localized gastric disorders. Rodbro P. Acta Med Scand 188:457-63, Nov 70
Gastric emptying after vagotomy and pyloroplasty. Relation to some postoperative sequelae. Cobb JS, et al. Am J Dig Dis 16:207-15, Mar 71
The parietal cell mass: growth hormone relationship in man. Hall WH. Am J Dig Dis 16:139-43, Feb 71
Gastric secretory and splanchnic blood flow studies in man after severe trauma and hemorrhagic shock. McClelland RN, et al. Am J Surg 121:134-42, Feb 71
Gastric emptying of solid meals after vagotomy and pyloroplasty in humans. Cowley DJ, et al. Br J Surg 58:296, Apr 71
Electrical activity of the gastric antrum in man. Kwong NK, et al. Br J Surg 57:913-6, Dec 70
Gastric incontinence and post-vagotomy diarrhoea. McKelvey ST. Br J Surg 57:741-7, Oct 70
Clinical electrogastrography. Tanaka Y, et al. Jap J Smooth Muscle Res 6:133-40, Jun 70
Effect of sensitization on gastric secretion and motility. Groza P, et al. Rev Roum Physiol 7:199-209, 1970
Gastric emptying in atrophic gastritis and carcinoma of the stomach. Davies WT, et al. Scand J Gastroenterol 6:297-301, 1971
[Significance of the initial stage of gastric evacuation for various types of raw milk tolerance] Solc P, et al. Cesk Gastroenterol Vyz 24:291-8, Oct 70 (Cze)
[Acid secretion in patients with duodenal ulcer. Comparison of medical and surgical patients] Nielsen VG, et al. Ugeskr Laeger 132:2337-40, 3 Dec 70 (Dan)
[Expansion of stomach diagnostics using nuclear medicine technics] Fridrich R, et al. Dtsch Med Wochenschr 95:2261-5, 6 Nov 70 (Ger)
[Acquisitions in gastric physiopathology: secretory inhibition] Cordiano C, et al. Recent Progr Med (Roma) 50:24-31, Jan 71 (Ita)
[Functional status of the stomach and liver in vibration disease] Labadze PF. Gig Tr Prof Zabol 14:30-2, Jul 70 (Rus)
[Periodic motor activity and secretory function of the empty stomach in myasthenia] Kuzin MI, et al. Klin Med (Mosk) 48:130-8, Aug 70 (Rus)
[Method of multichannel electrogastrography and some results of its clinical use] Krasil'nikov LG, et al. Nov Med Priborostr 1:72-80, 1967 (Rus)
[Dynamics of acid and alkaline secretion of the stomach as a function of the period and phase of the secretory cycle in peptic ulcer] Fisher AA. Sov Med 32:63-8, Sep 69 (Rus)
[Motor-evacuatory function of the gastric and small intestinal stump in patients with dumping syndromes] Khalikov T, et al. Sov Med 33:61-3, Oct 70 (Rus)
[Functional state of the gastric stump after gastrectomy for peptic ulcer] Kuznetsov NN, et al. Sov Med 33:64-7, Oct 70 (Rus)
[Stomach motor function in acute dysentery (electrogastrographic data)] Zabolotnyĭ LS. Sov Med 33:139-40, Jul 70 (Rus)
[Functional status of the stomach in atherosclerosis and hypertension] Badalian GO, et al. Ter Arkh 42:27-30, Dec 70 (Rus)
[Functioning of the stomach and duodenum in patients with diabetes insipidus] Makos' RP. Ter Arkh 42:44-8, Dec 70 (Rus)
[Functional state of the stomach and liver of patients suffering from chronic colitis in treatment with subaqueous irrigations of the intestine] Brovkina II. Vopr Kurortol Fizioter Lech Fiz Kult 35:225-7, May-Jun 70 (Rus)
[Disturbed tissue metabolism and some gastrointestinal functions in acute colitis and their prevention by the use of mineral water (experimental study)] Vasilenko IuK. Vopr Kurortol Fizioter Lech Fiz Kult 35:449-52, Sep-Oct 70 (Rus)
[Functional state of the main alimentary glands in infectious nonspecific (rheumatoid) polyarthritis] Gubergrits AIa, et al. Vopr Revm 10:31-7, Aug-Sep 70 (Rus)
[Acid secretion of the stomach and histology] Freytes MA, et al. Rev Esp Enferm Apar Dig 31:587-92, 15 Jun 70 (Spa)
[Pepsinogenous function of the stomach in ulcer in children] Norkina SA. Pediatr Akush Ginekol 3:10-2, 1970 (Ukr)
[Effects of various feeding methods in acute intestinal diseases and the condition of stomach and intestines in infants] Sidorenko AI. Pediatr Akush Ginekol 6:12-4, 1970 (Ukr)
[Gastro-pancreatic system in rheumatism in children] Zubareva NG, et al. Pediatr Akush Ginekol 3:15-7, May-Jun 69 (Ukr)

RADIATION EFFECTS

Effects of therapeutic proton doses on healthy organs in the neck, chest and upper abdomen of the rabbit. Danielsson M, et al. Acta Radiol [Ther] (Stockh) 10:215-24, Apr 71
Irradiation of the G.I. tract: compensatory response of stomach, jejunum and colon. Hagemann RF, et al. Br J Radiol 44:599-602, Aug 71
[Action of ultraviolet irradiation on gastric transit: study by 2 different methods] Dumas J, et al. C R Soc Biol (Paris) 164:1735-8, 1970 (Fre)
[Electron microscopy of tissues after treatment with laser radiations] Calzavara F, et al. Friuli Med Suppl 6:1187+, Nov-Dec 68 (Ita)
[Evaluation of radiation injury to different portions of the rat gastrointestinal tract] Fedotova MI, et al. Radiobiologiia 10:882-6, Nov-Dec 70 (Rus)
[Effect of total irradiation on microscopic and submicroscopic structures of the stomach] Tkacheno ZIa. Fiziol Zh 14:805-11, Nov-Dec 68 (Ukr)

RADIOGRAPHY

Thick gastric folds in childhood. Lachman RS, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Am J Roentgenol Radium Ther Nucl Med 112:83-92, May 71
Tubeless vagotomy and pyloroplasty and the "Gastrografin test". Davies NP, et al.
Am J Surg 122:368-70, Sep 71
Radiological features of the stomach after fundectomy. Lehtinen E. Ann Chir Gynaecol Fenn 59:202-6, 1970
What is your diagnosis? Wise FP, et al.
J Am Vet Med Assoc 155:1389-90, 15 Oct 67
The fuzzy fluid level sign. Caruso RD, et al.
Radiology 98:369-72, Feb 71
A dose-reducing fluoroscopy system. Dose measurements and clinical evaluation. Dorph S, et al.
Radiology 97:399-403, Nov 70
[Intragastric lacunar image due to a forein body] Chassagnon C, et al.
J Radiol Electrol Med Nucl 49:864-7, Nov 68 (Fre)
[Eso-gastro-duodenal radiologic examination in hemorrhagic period: technics and indications (experience with 300 patients)] Nahum H, et al.
Presse Med 78:2414-6, 19 Dec 70 (Fre)
[Yeast fungi in the gastric content after gastrectomy and vagotomy] Jepsen OL.
Fortschr Geb Roentgenstr Nuklearmed 109:269-79, Sep 68 (Ger)
[Achievements of gastric radiography in ambulatory practice. Technic and evaluation of gastric radiography] Bopp J.
Med Welt 31:1236-9, 7 Aug 71 (Ger)
[Simultaneous roentgen examination of the gallbladder, stomach and duodenum] Becker C, et al.
Radiol Diagn (Beri) 10:557-63, 1969 (Ger)
[The combined examination of the stomach and the gallbladder] Redlich FH.
Radiol Diagn (Beri) 11:105-16, 1970 (Ger)
[Principles for a methodological standardization of the x-ray examination of stomach and duodenum] Richter K, et al. Radiol Diagn (Beri) 10:545-55, 1969 (Ger)
[Study of a radiographic test for the measurement of the gastric tonus] Galluzzi S, et al.
Nunt Radiol 34:1729-53, Dec 68 (Ita)
[Clinical radiology of the stomach after vagotomy and associated operations] Placanica A, et al.
Nunt Radiol 35:357-93, Apr 69 (Ita)
[Use of Dasen in double contrast x-ray examination of the stomach] Honma M. Iryo 25:267-74, Apr 71 (Jap)
[The gastric and extragastric visceral lymphography] Uchida H. Nippon Acta Radiol 31:259-85, Jun 71 (Jap)
[Diagnostic accuracy of x-ray TV indirect roentgenography of the stomach with eighteen films] Watanabe N.
Nippon Acta Radiol 31:286-306, Jun 71 (Jap)
[Fundamental studies on x-ray findings of area gastricae] Yamamoto K.
Nippon Acta Radiol 30:734-66, Nov 70 (Jap)
[Digestive tract function test by barium tablets] Kobayashi T, et al.
Rinsho Hoshasen 16:225-32, Mar 71 (Jap)
[Fluoroscopy of the stomach in recumbent position with the horizontal radiation. I. Additional table for radiodiagnosis of the stomach in recumbent position using horizontal radiation] Murakami K.
Rinsho Hoshasen 16:336-41, Apr 71 (Jap)
[Method of double contrast of the anterior wall of the stomach] Sako M, et al.
Rinsho Hoshasen 15:926-32, Dec 70 (Jap)
[Direct 3x magnification radiography of the stomach] Watanabe T. Rinsho Hoshasen 16:11-6, Jan 71 (Jap)
[Value of routine radiologic examination of the stomach and duodenum in the diagnosis of gallbladder cancer] Kulicz A.
Pol Przegl Radiol 34:817-22, 1970 (Pol)
[Radiological changes in the stomach and duodenum in the course of cancer of the pancreas head] Kulicz A.
Pol Przegl Radiol 34:503-12, Jul-Aug 70 (Pol)
[Radiological observations of the stomach after an internal drainage of a pancreatic cyst] Kulicz A.
Pol Przegl Radiol 34:671-6, Sep-Oct 70 (Pol)
[Diagnosis of perigastric abscesses not containing gas] Pipko AS. Khirurgiia (Mosk) 46:50-4, Jun 70 (Rus)
[Comparative roentgenological studies in Billroth I resection of the stomach and in surgical replacement of the resected portion of the stomach by a large intestine graft] Saiadian KS.
Zh Eksp Klin Med 8:75-7, 1968 (Rus)
[Radiological aspects of hiatus hernia] Sundgren R.
Nord Med 85:613-7, 20 May 71 (Swe)

SECRETION

The metabolic changes after portacaval shunt. Martini GA. Acta Gastroenterol Belg 34:216-31, Feb 71
Histamine stimulation of gastric intrinsic factor secretion. Rodbro P. Acta Med Scand 188:451-5, Nov 70
Effect of gastric vagal denervation on inhibition of acid secretion by secretin. Brooks AM, et al.
Am J Dig Dis 16:193-202, Mar 71
The effect of partial pyloric obstruction on gastric secretion and stomach size in the rat. Kaye MD.
Am J Dig Dis 16:217-26, Mar 71
Effect of ambient temperature on gastric secretion and food intake in the rat. Witty RT, et al.
Am J Physiol 219:1359-62, Nov 70
Acid-stimulating properties of various dairy products used in treatment of peptic ulcer. Phimolsarnti R, et al. Am Surg 37:253-5, May 71
The influence of 1-[3-(1-cyclohexenyl)-3-phenylpropyl]-1-methylpiperidinium bromide (HOE 019) on gastric secretion in the rat. Aust G, et al.
Arzneim Forsch 20:1097-100, Aug 70
Gastric secretion following sympathectomy in cats. Bruckner WL, et al. Br J Surg 58:297, Apr 71
The role of the intestine in the regulation of gastric secretion. Konturek S, et al.
Bull Pol Med Sci Hist 13:161-4, Oct 70
Studies on the insulin test for completeness of vagotomy. Welbourn RB, et al.
Bull Soc Int Chir 29:1-6, Jan-Feb 70
The mechanism of pepsin secretion in the isolated perfused canine stomach. Dritsas KG, et al.
Can J Surg 11:85-92, Jan 68
Histochemical and histo-autoradiographical changes in gastric mucosa of dogs submitted to chronic cortisone administration. Willems G, et al.
Digestion 4:92-102, 1971
Protein-losing gastropathy produced by sulfhydryl reagents. Davenport HW.
Gastroenterology 60:870-9, May 71
Intestinal hormones as inhibitors of gastric secretion. Johnson LR, et al.
Gastroenterology 60:120-44, Jan 71 (142 ref.)
Effects of nicotine on gastrointestinal secretions.. Konturek SJ, et al.
Gastroenterology 60:1098-105, Jun 71
Inhibition of gastric secretion by intestinal hormones. Magee DF, et al. Gastroenterology 60:159-61, Jan 71
Susceptibility of experimental atrophic gastritis to ulceration. Ritchie WP Jr, et al.
Gastroenterology 60:554-9, Apr 71
Effect of cholecystokinin and caerulein on gastric secretion in cats. Way LW.
Gastroenterology 60:560-5, Apr 71
The influence of mesenteric denervation on the inhibition of gastric secretion by fat in the intestine. Isaza J, et al. Gut 12:34-9, Jan 71
Definition of the extracellular space in secreting and nonsecreting oxyntic cells. Forte TM, et al.
J Cell Biol 47:782-6, Dec 70
A sex difference in response to gastrin and other stimulants of gastric secretion. Amure BO, et al.
J Endocrinol 48:23-4, Sep 70
The release of prostaglandin from the oesophagus and the stomach of the frog (Rana temporaria). Rashid S.
J Pharm Pharmacol 23:456-7, Jun 71
Repeated sampling of acid-secreting gastric mucosa in the anaesthetized greyhound. Percival HG.
J Physiol (Lond) 215:14P-15P, May 71
The secretory pattern of three stomach preparations in the rat. Svensson SE.
J Physiol (Lond) 207:329-50, Apr 70
Postenterectomy gastric hypersecretion in dogs: the relative importance of proximal versus distal resection. Landor JH, et al.
J Surg Res 11:238-42, May 71
Effects of some pharmacologic agents on gastric cation secretion: ratio of hydrogen to potassium ions. Berkowitz JM, et al.
Proc Soc Exp Biol Med 135:804-8, Dec 70
Sensory deprivation on visceral activity. I. The effect of visual deprivation on canine gastric secretion. Schapiro H, et al.
Psychosom Med 32:379-96, Jul-Aug 70
Bradykinin and gastric secretion. Groza P, et al.
Rev Roum Physiol 7:29-34, 1970
Dose-response studies of gastric secretion of sodium, potassium, calcium, inorganic phosphorus, and magnesium after stimulation with pentagastrin. Christiansen J, et al.
Scand J Gastroenterol 5:609-12, 1970
The influence of dietary fat on the gastric secretory response to pancreatic duct ligation or small bowel resection. Landor JH, et al. Surgery 68:831-6, Nov 70
Fatigue of the antral gastrin mechanism following electrical vagal stimulation. Molina JE, et al.
Surgery 69:680-5, May 71
A gastric acid inhibitor of cerebral origin. Reigel DH, et al. Surgery 70:161-8, Aug 71
Simultaneous observation of gastric motor and secretory response to vagal stimulation in normal and diabetic dogs. Sugawara K, et al.
Surgery 70:325-33, Sep 71
[Physiopathology of gastric hypersecretion after portacaval anastomosis] Ectors P, et al.
Acta Gastroenterol Belg 34:232-40, Feb 71 (Fre)
[Action of sulpiride on the hypothalamic regulating centres for gastric secretion and motility and on serotonin depletion of the central nervous system] La Barre J. Pathol Biol (Paris) 19:213-20, Feb 71 (Fre)
[Hypercalcemia and gastric secretion] Ottenjann R.
Dtsch Med Wochenschr 95:2620-2, 25 Dec 70 (39 ref.) (Ger)
[Determination of maximum gastric secretion using the so-called gradua test after infusion of histamine, pentagastrin and gastrin] Schmidt HA.
Dtsch Med Wochenschr 96:5-8, 1 Jan 71 (Ger)
[Enterogastron and the intestinal phase of gastric secretion] Schmnidt HA.
Internist (Berlin) 2:299-300, Jul 71 (Ger)
[Influence of hypermagnesemia on methylxanthine (theophylline)-stimulated gastric acid, electrolyte, and pepsinogen secretion of the stomach in man] Miederer SE, et al.
Klin Wochenschr 49:24-7, Jan 71 (Ger)
[Secretory analysis of stomach function--a differential diagnostic possibility for the choice of surgical methods in the treatment of recurrencies] Schultis K.
Langenbecks Arch Chir 322:712-7, 1968 (Ger)
[The influence of glucagon and secretin on methylxanthine (theophylline) intracellular-stimulated stomach secretion in humans] Miederer SE, et al.
Med Welt 6:209-11, 6 Feb 71 (Ger)
[Reciprocal influence of intestinal hormones on stomach secretion] Miederer SE, et al.
Med Welt 43:1865-7, 24 Oct 70 (Ger)
[The fine structure of the rat stomach under the influence of a restraint-induced stress] Hübner G, et al. Verh Dtsch Ges Pathol 54:386-93, 1970 (Ger)
[Determination of nocturnal basal secretion in patients with duodenal ulcer] Kahl H.
Z Gesamte Inn Med 26:400-4, 15 Jun 71 (Ger)
[Study of the effect of secretin on the gastric secretion] Barbara L, et al.
Arch Ital Mal Appar Dig 36:262-75, 1971 (Ita)
[Xylamide, a new drug with specific activity in hypersecretion and in metabolic changes of the gastric mucosa] Rovati AL, et al.
Arch Ital Mal Appar Dig 36:60-8, 1969 (Ita)
[Clinical aspects of gastric secretion] Konturek S.
Pol Arch Med Wewn 46:653-61, Jun 71 (Pol)
[Determination of gastric lipase as a sensitive test of gastric secretory function] Szafran H, et al.
Przegl Lek 26:828-31, 1970 (Pol)
[Effect of xylamide on basal gastric secretion and secretion stimulated by Histalog and food, in patients with duodenal ulcer] Bicalho SA, et al.
Rev Assoc Med Bras 17:11-4, Jan 71 (Por)
[Secretory function of the stomach in women during and after labor] Umanskiĭ SSh, et al.
Akush Ginekol (Mosk) 45:62-5, Sep 69 (Rus)
[Effect of tetracycline on the gastric secretion in dogs under various condition of the nervous system] Govorovich EA, et al. Antibiotiki 16:309-12, 1971 (Rus)
[Dependence of secretion of the gastric glands upon pressure in the gastric cavity] Korot'ko GF, et al.
Biull Eksp Biol Med 68:22-4, Oct 69 (Rus)
[Effect of central cholinolytics on the gastric secretion in hypoglycemia] Barnaulov OD.
Farmakol Toksikol 34:50-4, 1971 (Rus)
[Effect of xylitol on the gastric secretion in dogs] Vainshtein SG. Farmakol Toksikol 34:97, 1971 (Rus)
[The cause s of changes in the secretory activity of the glands of the stomach with different pressures in its cavity] Korot'ko GF, et al.
Fiziol Zh SSSR 56:663-70, Apr 70 (Rus)
[Role of the sympathetic component of the autonomic nervous system in the regulation of gastric gland enzyme secretory activity] Korot'ko GF, et al.
Fiziol Zh SSSR 56:1242-8, Sep 70 (Rus)
[The mecahnism of disruption of the primary phase of gastric secretion in hypophysectomized dogs] Trefilov AB. Fiziol Zh SSSR 56:108-13, Jan 70 (Rus)
[Adaptation of the secretory activity of the stomach to the character of the food stimulus] Vafin AZ.
Fiziol Zh SSSR 56:1619-26, Nov 70 (Rus)
[The acid forming function of the stomach in peptic ulcer] Leia Iula.
Khirurgiia (Mosk) 47:55-61, Mar 71 (Rus)
[Dynamics of indices of gastric secretion during therapy of peptic ulcer] Dzharimov AIa, et al.
Klin Med (Mosk) 49:47-50, Jan 71 (Rus)
[Mechanism of regulation of gastric secretion by the small intestine] Fisher AA, et al.
Klin Med (Mosk) 49:19-25, Jan 71 (103 ref.) (Rus)
[Periodic motor activity and secretory function of the empty stomach in myasthenia] Kuzin MI, et al.
Klin Med (Mosk) 48:130-8, Aug 70 (Rus)
[The effect of deoxycorticosterone acetate on the secretory function of the stomach and the development of gastric ulcer] Lipovskiĭ SM.
Patol Fiziol Eksp Ter 14:70-1, Nov-Dec 70 (Rus)
[Some aspects of digestive function in children with dysentery] Kur'menko VV.
Sov Med 34:120-4, Jan 71 (Rus)
[Functional state of the gastric stump after gastrectomy for peptic ulcer] Kuznetsov NN, et al.
Sov Med 33:64-7, Oct 70 (Rus)
[Functional-morphologic changes in the gastric mucosa in patients with liver cirrhosis under steroid therapy] Barsukova TA. Ter Arkh 42:47-51, Oct 70 (Rus)
[Maximum histamine test and types of stomach secretion in peptic ulcer] Fisher AA, et al.
Ter Arkh 41:96-101, Sep 69 (Rus)
[Significance of free hydrochloric acid and pepsin output in the study of gastric secretion] Vakaliuk PM, et al. Ter Arkh 42:47-8, Jul 70 (Rus)
[The functional state of the stomach in ecsema patients] Abdusametova ShP.
Vestn Dermatol Venerol 44:29-32, Dec 70 (Rus)
[Mechanism of action of mineral water taken

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

internally] Pronina NN.
Vopr Kurortol Fizioter Lech Fiz Kult 36:9-12, 1971 (Rus)
[Acid formation in stomach cancer] Leia IuIa.
Vopr Onkol 16:21-7, 1970 (Rus)
[Diuresis and secretory function of the stomach following ingestion of coumiss made of skimmed cow's milk] Tsenina VS.
Vopr Pitan 29:31-3, Mar-Apr 70 (Rus)
[Test of gastric secretion. Evaluation and interpretation] Gutiérrez Samperio C.
Prensa Med Mex 35:429-37, Nov-Dec 70 (Spa)
[Acid secretion of the stomach and antral distension] Freytes MA, et al.
Rev Esp Enferm Apar Dig 33:313-6, 1 Feb 71 (Spa)
[Acid secretion of the stomach and corticoids] Freytes MA, et al.
Rev Esp Enferm Apar Dig 34:183-8, 15 Apr 71 (Spa)
[Gastric secretion with pentagastrin] Valenzuela Casas E. Rev Esp Enferm Apar Dig 33:539-42, 1 Mar 71 (Spa)
[Cigaretts and gastric secretion. I. Analysis of gastric secretion in smokers and nonsmokers with gastrointestinal diseases] Morales A, et al.
Rev Med Chil 99:270-4, Apr 71 (Spa)
[Cigarettes and gastric secretion. II. Effect of cigarettes on gastric secretion] Morales A, et al.
Rev Med Chil 99:275-9, Apr 71 (Spa)
[Effect of vagotomy in hydrochloric acid- and mucin production in the rat stomach with induced ulcer] Lindquist B, et al. Nord Med 86:915, 29 Jul 71 (Swe)
[Effect of motion sickness on stomach potential in dogs before and after labyrinthectomy] Kozhukhar' MP.
Fiziol Zh 14:109-13, Jan-Feb 68 (Ukr)
[Interrelation of the secretory process and nucleic metabolism in the mucous membrane of the stomach] Svistun TI. Fiziol Zh 16:274-80, Mar-Apr 70 (Ukr)
[Methods of studying protein composition in gastric mucosa of the dog] Zelenskiĭ MV, et al.
Fiziol Zh 16:704-7, Sep-Oct 70 (Ukr)

SURGERY

Experience in the application of the instrumental mechanical suture in surgery of the stomach and rectum. Androsov PI. Acta Chir Scand 136:57-63, 1970
Kinin release after gastric surgery. Cuschieri A, et al.
Br J Surg 58:296, Apr 71
Restless legs syndrome, with particular reference to its occurrence after gastric surgery. Banerji NK, et al.
Br Med J 4:774-5, 26 Dec 70
Clinical experience with the use of a single-layer intestinal anastomosis. Olsen GB, et al.
Can J Surg 11:97-100, Jan 68
A new device for easier gastrotomy. Kitahara T.
Int Surg 54:68-70, Jul 70
Implantation of papilla of vater and pancreatic duct into the stump of the resected stomach. Nielubowicz J, et al. Pol Med J 9:1189-93, 1970
Gastric bypass and pancreatic secretion. Thomas JW.
Rev Surg 27:368-9, Sep-Oct 70
Coloesophagoplasty and gastric resection, in one stage, in multiple post-caustic stenoses. Krisár Z, et al.
Rom Med Rev 14:66-70, Oct-Dec 70
Posterior gastropexy (Hill) in the treatment of reflux esophagitis. An experimental study in the dog. Castro VA, et al. Scand J Gastroenterol 6:s 9:49-55, 1971
Double-barrel gastrojejunal stoma and its symptoms and complications in 38 patients. Demaret A, et al.
Scand J Gastroenterol 6:77-86, 1971
The results of operations for afferent loop syndrome. Koster KH, et al.
Scand J Gastroenterol 6:Suppl 9:75-8, 1971
Technical considerations in posterior gastropexy. Larrain A. Surg Gynecol Obstet 132:299-300, Feb 71
Gastric bypass and pancreatic secretion. Ito C, et al.
Surgery 69:528-32, Apr 71
A new technique for gastrotomy. Waugh DE.
Surgery 70:368-9, Sep 71
[Surgical prevention of sequelae of incompetence of the cardia] Langer L, et al.
Sb Lek 73:222-4, Sep 71 (Cse)
[Investigations of the stomach during operation. Leukomethylene blue staining of the vagus nerve, intragastric pH measurement and congo red staining of the mucosa] Jensen HE, et al.
Nord Med 85:235-7, 25 Feb 71 (Dan)
[Comparison in humans of esophagogastric anastomosis with the PKS.25 stapler and with sutures] Maillard JN, et al. Ann Chir 25:569-73, Jun 71 (Fre)
[The operated stomach. Arteriographic study] Balabaud C, et al.
Arch Fr Mal App Dig 59:749-50, Oct-Nov 70 (Fre)
[Effectiveness of fundoplication in the treatment of reflux and peptic esophagitis (clinical aspects and endoscopy)] Naef AP, et al.
Schweiz Med Wochenschr 100:1228-9, 11 Jul 70 (Fre)
[Gastric surgery and pancreatic complications] Hentschel M.
Langenbecks Arch Chir 322:199-203, 1968 (Ger)
[Intra- and postoperative complications in stomach surgery] Peiper HJ.
Langenbecks Arch Chir 322:157-71, 1968 (Ger)
[Function of the gastro-esophageal sphincter after fundoplication] Affolter H, et al.
Schweiz Med Wochenschr 100:1230-1, 11 Jul 70 (Ger)
[Results and progress in surgery in the aged] Knoch HG, et al. Z Alternsforsch 23:337-51, 1971 (Ger)
[Clinical problems of the syntropy of pulmonary tuberculosis and stomach resection] Kühn RA, et al.
Z Gesamte Inn Med 26:265-8, 15 Apr 71 (Ger)
[Surgery for acute stomach perforation] Tóth C.
Orv Hetil 111:3071-3, 27 Dec 70 (Hun)
[Reconstruction of the anterior thoracic esophagus using the Kirschner-Nakayama stomach tube] Ishigami K, et al.
Jap J Thorac Surg 24:409-14, Jun 71 (Jap)
[Cervico-thoracic reconstruction using a stomach tube following resection of esophageal cancer] Kakegawa T. Jap J Thorac Surg 24:328-34, May 71 (Jap)
[Direct vision gastroforceps invented by the author] Daido R. Shujutsu 25:324-7, Mar 71 (Jap)
[Esophago-gastric anastomosis--a method designed to prevent esophageal regurgitation. Our method for surgery of cancer of the lower esophagus] Motoki R, et al. Shujutsu 25:799-804, Jul 71 (Jap)
[Esophagoplasty of the anterior thorax using the stomach tube with reconstructed blood vessels] Nakamura T, et al. Shujutsu 25:21-6, Jan 71 (Jap)
[Trial in transthoracic anastomosis of the cervical esophagus and stomach for the treatment of cancer of the upper and middle part of the thoracic esophagus] Shimura H. Shujutsu 24:1473-80, Dec 70 (Jap)
[New trial in creation of colon-stomach fistula for tube feeding as a preliminary measure in radical surgery of esophageal cancer] Takahashi M, et al.
Shujutsu 24:1467-72, Dec 70 (Jap)
[Gastric vagotomy, fixation of the paries anterior and pyloroplasty as surgery in duodenal ulcer] Hirota K.
Surg Ther (Osaka) 24:25-31, Jan 71 (Jap)
[Scald of the esophagus in a 2-year-old child treated with right-side gastro-esophageal anastomosis] Dowgird-Kanigowska A, et al.
Pol Przegl Chir 42:1362-4, Sep 70 (Pol)
[Heller-Groeneweldt operation as modified by Jezioro, covering the defect in cardia's muscular layer with gastric wall] Jezioro Z, et al.
Pol Przegl Chir 42:1695-702, Nov 70 (Pol)
[Experimental studies on covering the defect in muscular membrane of the esophagus and cardia after performance of Heller-Jezioro operation with a fold of gastric fundus] Misterka S.
Pol Przegl Chir 43:15-9, Jan 71 (Pol)
[Surgical sutures of the stomach and intestine] Piskorz A. Pol Przegl Chir 42:1682-5, Nov 70 (Pol)
[Length of life of patients after transpleural resection of the thoracic part of the esophagus for cancer with simultaneous esophagogastroanastomosis] Kleshchevnikova VP.
Grudn Khir 12:91-5, Jul-Aug 70 (Rus)
[Comparative evaluation of the effectiveness of hepatobiliodigestive anastomoses in experimental mechanical jaundice] Gerasimenko AA, et al.
Vestn Khir 105:63-5, Aug 70 (Rus)
[Use of microtransillumination in stomach surgery] Sorokin SS. Vestn Khir 105:57-60, Nov 70 (Rus)
[Esophagoplasty. The inverted gastric tube] Mainetti JM. Prensa Med Argent 58:574-7, 14 May 71 (Spa)
[Anthethoracic subcutaneous esophagus reconstruction with the stomach in esophageal cancer] Dahn I, et al.
Nord Med 86:882-3, 22 Jul 71 (Swe)

TRANSPLANTATION

[Experiences in total esophago-gastroplasty] Zittel RX. Langenbecks Arch Chir 322:432-5, 1968 (Ger)
[Function studies in replanted dog's stomach] Hegglin J, et al.
Schweiz Med Wochenschr 101:747-9, 22 May 71 (Ger)
[Development of isologous cell suspensions-transplants from embryonic intestinal and stomach rudiments in rats] Usadel KH, et al.
Z Gesamte Exp Med 153:273-89, 1970 (Ger)
[Technic of experimental orthotopic reimplantation of the stomach] Feofilov GL, et al.
Eksp Khir Anesteziol 15:39-42, Sep-Oct 70 (Rus)
[Homologous transplantation of the stomach] Garrido F, et al. Bull Soc Int Chir 28:189-96, Mar-Apr 69 (Spa)
[Response to different stimuli of a gastric homotransplant] Garrido F, et al.
Bull Soc Int Chir 29:142-8, May-Jun 70 (Spa)

STOMACH, AVIAN (A13)

EMBRYOLOGY

[Organogenesis of the stomach in the chick embryo. Analysis of the mechanisms of differentiation] Sigot M.
Arch Anat Microsc Morphol Exp 60:169-203, Apr-Jun 71 (Fre)

INNERVATION

The excitatory and inhibitory innervation of the stomachs of the domestic fowl. Sato H, et al.
Jap J Pharmacol 20:382-97, Sep 70

PATHOLOGY

[Etiology and morphology of gizzard erosions in poultry] Gialamas J.
Dtsch Tieraerztl Wochenschr 78:245-9, 15 Apr 71 (Ger)

STOMACH DILATATION (C4)

[Acute dilation of the stomach in a 13-year-old child] Akhmedov MA, et al. Vestn Khir 105:82-3, Dec 70 (Rus)
[Acid secretion of the stomach and antral distension] Freytes MA, et al.
Rev Esp Enferm Apar Dig 33:313-6, 1 Feb 71 (Spa)

CHEMICALLY INDUCED

Massive gastric dilatation complicating hypotonic duodenography. A report of three cases. Gelfand DW, et al. Radiology 97:637-9, Dec 70

COMPLICATIONS

Obstruction of inferior vena cava as a factor for reduced blood pressure on distension of stomach in dogs. Jakhanwal DP, et al.
Indian J Physiol Pharmacol 14:19-24, Jan 70

DIAGNOSIS

One grim spectre. Br Med J 4:128-9, 17 Oct 70
[Diagnostic and tactical errors in connection with acute stomach dilatation] Muriaga SE.
Vestn Khir 104:111-4, Mar 70 (Rus)

ETIOLOGY

The effect of partial pyloric obstruction on gastric secretion and stomach size in the rat. Kaye MD.
Am J Dig Dis 16:217-26, Mar 71
Duodenal ulcer stenosis with gastric dilatation. Treatment by vagotomy and pyloroplasty. Davis NP, et al. Am J Surg 121:260-2, Mar 71
Subacute gastric dilatation in air evacuated combat injuries. Duncan JW, et al. Milit Med 134:57-8, Jan 69
[2 cases of necrosis of the stomach with perforation during acute dilatation in patients with plaster corsets] Letac R, et al.
Ann Chir Infant 12:101-6, Mar-Apr 71 (Fre)

SURGERY

[Gastrostomy in acute stomach dilatation] Finik VI, et al. Vestn Khir 104:114-6, Mar 70 (Rus)
[Diagnostic and tactical errors in connection with acute stomach dilatation] Muriaga SE.
Vestn Khir 104:111-4, Mar 70 (Rus)

STOMACH DISEASES (C4)

Hypertrophic gastropathy with hypersecretion and gastric protein loss. Roberts HJ.
Aust NZ J Med 1:69-71, Feb 71
Protein-losing gastropathy produced by sulfhydryl reagents. Davenport HW.
Gastroenterology 60:870-9, May 71
Entomology of the gastrointestinal tract: a brief review. Palmer ED.
Milit Med 135:165-76, Mar 70 (90 ref.)
An experimental study of thrombotic ulceration of the gastrointestinal mucosa. Linder MM, et al.
Surg Gynecol Obstet 133:21-9, Jul 71
[Granulomatous gastritis of rapid development in a Bantou] Parmentier R, et al.
Acta Gastroenterol Belg 32:353-64, Apr-May 69 (Fre)
[Upper digestive hemorrhage in emergency pathology. Clinical aspects, etiology and classical radiology] Rettori R.
Ann Gastroenterol Hepatol (Paris) 6:43-55, Jan-Feb 70 (Fre)
[Gastric diaphragmatic hernia] Girard M.
J Med Lyon 51:1045-58, 20 Apr 70 (Fre)
[Various cases of benign gastroduodenal tumors] Cathala H, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:451, May 69 (Fre)
[Case of degeneration of diffuse gastric polyadenomatosis (Menetrier's disease)] Gignoux M, et al. Lyon Med 225:53-5, 10 Jan 71 (Fre)
[Cystic formation of the gastric wall] Galeone M, et al.
Minerva Chir 25:812-6, 15 Jun 70 (Ita)
[Pyloric disease in infants. (Considerations on diagnosis and medical treatment)] Teclarich F.
Minerva Med 61:3578-81, 29 Aug 70 (Ita)
[Gastric eosinophil granuloma] Mangani G.
Policlinico [Prat] 76:514-9, 21 Apr 69 (Ita)
[Case of sarcoidosis of the stomach] Kitano K, et al.
Jap J Clin Med 28:2700-6, Nov 70 (Jap)
[4 cases of gastric diverticulum] Takenaka F, et al.
Saishin Igaku 25:2555-60, Dec 70 (Jap)
[Syphilous lesions of the stomach treated surgically] Kulicz A, et al. Pol Przegl Chir 43:641-3, 1971 (Pol)
[A case of acute extensive phlegmon of the stomach] Senderak K, et al.
Pol Przegl Chir 42:1461-3, Oct 70 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Rare case of trichobezoar] Rodrigues W, et al.
Resen Clin Cient 38:131-4, May-Jun 69 (Por)
[Morphological, clinical and radiological aspects of mycotic diseases of the stomach] Diaconescu M, et al.
Med Interna (Bucur) 23:239-48, Feb 71 (Rum)
[On a case of gastric tuberculosis] Purice G, et al.
Rev Med Chir Soc Med Nat Iasi 75:491-4, Apr-Jun 71 (Rum)
[Phlegmon of the stomach] Ivanova MA, et al.
Khirurgiia (Mosk) 46:137-8, Jun 70 (Rus)
[Acute gastroduodenal hemorrhages] Mel'nik LA.
Khirurgiia (Mosk) 47:31-4, Mar 71 (Rus)
[Tumor of the upper portion of the stomach] Franquelo Ramos E, et al.
Rev Esp Enferm Apar Dig 33:599-600, 1 Mar 71 (Spa)

BLOOD

[Haptoglobin in the blood serum in stomach and duodenal diseases in adolescents] Kossiura MB, et al.
Vopr Okhr Materin Det 15:89-90, Aug 70 (Rus)

CHEMICALLY INDUCED

[Gastric stenosis as an unusual complication of lye poisoning] Fehérvári S, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:115-6, Jul 70 (Ger)
[Gastric gangrene in the course of encortone treatment] Malodobry T.
Pol Tyg Lek 25:1296, 24 Aug 70 (Pol)
[Acid burns in the stomach. Suicide attempt in a schizophrenic patient] Durling U, et al.
Lakartidningen 68:977-9, 24 Feb 71 (Swe)

CLASSIFICATION

[Results of the discussion on the classification of chronic gastritis and functional disorders of the stomach] Moichanov NS, et al.
Voen Med Zh 8:19-22, Aug 70 (Rus)

COMPLICATIONS

Leiomyosarcomas induced by oral administration of N-methyl-N'-nitro-N-nitrosoguanidine in gastric cysts grafted in subcutaneous tissue of mice. Matsuyama M, et al. Gann 61:523-7, Dec 70
A novel method for detecting intestinal metaplasia of the stomach with tes-tape. Sugimura T, et al. Gann 62:237, Jun 71
Crohn's disease of the stomach and duodenum. Fielding JF, et al. Gut 11:1001-6, Dec 70
[Hypertrophy of the lips of the cardia and prolaps of the oesophageal mucosa. Report of a case of lipomatosis of the cardia] Van de Vyver W.
Acta Gastroenterol Belg 32:662-9, Sep 69 (Fre)
[Behavior of gastric secretion and morphologic findings in the gastric mucosa in chronic urticaria] Drunkenmölle R, et al.
Dtsch Gesundheitsw 26:455-8, 4 Mar 71 (Ger)
[A rare case of repeated bleedings from gastroesophageal varices with protracted survival] Zavertnik H.
Wien Med Wochenschr 121:78-80, 30 Jan 71 (Ger)
[Sudden death caused by acute grastectasia] Purini T.
Minerva Medicoleg 90:19-23, Jan-Jun 70 (Ita)
[Functional phase of peptic ulcer, duodenitis (pyloroduodenitis) and the so-called pre-ulcerous condition] Zybov AM.
Klin Med (Mosk) 48:130-3, Oct 70 (Rus)

DIAGNOSIS

Diagnostic cytology of the stomach in gastric syphilis. Report of two cases. Prolla JC, et al.
Acta Cytol (Baltimore) 14:333-7, May 70
Gastric sarcoidosis: a difficult diagnosis. Kremer RM, et al. Am Surg 36:686-90, Nov 70
Complications of gastric heterotopic pancreas: two case reports. McGarity WC, et al.
Am Surg 37:77-9, Feb 71
Endoscopic photography, biopsy, and cytology of the esophagus and stomach with the Olympus fiberesophagoscope. Bautista A, et al.
Gastroenterology 60:294-8, Feb 71
Measurements of gastrointestinal protein loss. Beeken WL, et al. Gastroenterology 60:987-8, May 71
Progressive systemic sclerosis (scleroderma) with esophageal and gastric antral involvement. Boleman AP, et al. Gastrointest Endosc 17:160-3, May 71
Rugal hypertrophy simulating neoplasm in a hiatus hernia. Kerr RM, et al.
Gastrointest Endosc 14:52-4, Aug 67
The clinical application of fiberoptic gastrointestinal endoscopy. Cohen MH, et al.
J Am Osteopath Assoc 70:925-7, May 71
The current status of electrogastrography. Kohatsu S.
Klin Wochenschr 48:1315-9, 15 Nov 70 (59 ref.)
When should you suggest a gastrocamera examination? Buchman E. Med Times 98:184-94, Oct 70
Gastroscopy and gastric colour photography in the diagnosis of gastric diseases. Fung WP.
Singapore Med J 11:103-9, Jun 70
Gastroscopy. Gregg JA, et al.
Surg Clin North Am 51:649-55, Jun 71
[Results of prospective studies in verified benign and malignant gastric diseases] Andersen D, et al.
Nord Med 84:1456-9, 12 Nov 70 (Dan)
[Endoscopic examination of the stomach] Bisgaard Pedersen A. Nord Med 86:827-9, 8 Jul 71 (Dan)
[3rd European symposium on gastrocameras, Berlin 2-4 April 1971] Fischerman K.
Ugeskr Laeger 133:996-7, 21 May 71 (Dan)
[What should we expect from fibrogastroscopy?] Bernard JP, et al. Bord Med 4:1093-101, Apr 71 (Fre)
[Experimental study of iodine-131 labeled benzimidazole exploration of gastric disorders: medical application possibilities] Tyortyalian C, et al.
J Radiol Electrol Med Nucl 49:878-83, Nov 68 (Fre)
[Intragastric photography with a gastrocamera. Examination technic and picture orientation] Oshima H. Dtsch Med J 21:585-94, 5 May 70 (Ger)
[Routine gastro-camera examinations and their technical progress] Oshima H.
Dtsch Med J 20:254-7, 20 Apr 69 (Ger)
[Technic of modern gastroscopy] Krentz K.
Dtsch Z Verdau Stoffwechselkr 30:125-9, 1970 (Ger)
[Cardia carcinoma or fundus varices? A contribution to differential diagnosis] Theophil B.
Fortschr Geb Roentgenstr Nuklearmed 115:122-4, Jul 71 (Ger)
[The importance of medical history and clinical findings in stomach diseases] Degimann T.
Hippokrates 40:919-22, 15 Dec 69 (Ger)
[Polyps and polyposis of gastrointestinal tract] Strohmeyer G.
Internist (Berlin) 11:413-5, Nov 70 (Ger)
[Acute and chronic gastric erosions] Seifert E, et al.
Med Klin 66:83-7, 15 Jan 71 (Ger)
[Gastro-enterological laboratory diagnostics in clinical practice] Volkheimer G.
Med Lab (Stuttg) 24:97-113, May 71 (Ger)
[Experiences with the gastric camera in diagnosing stomach disorders] Möckel W.
Med Welt 43:1870-1, 24 Oct 70 (Ger)
[Value and worthlessness of gastritis diagnosis. Results of histotopographical and functional studies] Stadelmann O, et al.
Med Welt 43:1863-5, 24 Oct 70 (Ger)
[Importance of gastroscopy in clinical diagnosis] Stadelmann O. Praxis 59:776-80, 26 May 70 (Ger)
[Functional and morphologic gastric diagnosis] Heschl R, et al.
Wien Med Wochenschr 120:529-30, 25 Jul 70 (Ger)
[Gastric function diagnosis using Desmoid tablets "Pohl"] Z Allgemeinmed 46:1724-6, 10 Dec 70 (Ger)
[Aimed biopsy in glass fiber gastroscopy] Bosseckert H, et al.
Z Gesamte Inn Med 26:Suppl:46-8, 1 Mar 71 (Ger)
[Gastrobioptic studies in aged] Dang Ngoc KY, et al.
Z Gesamte Inn Med 26:Suppl:52-3 c, 15 Mar 71 (Ger)
[First results of a study with the gastrocamera GFB] Gütz HJ.
Z Gesamte Inn Med 26:Suppl:44-5, 1 Mar 71 (Ger)
[Isolated tuberculosis of the stomach] Schwarzer R, et al. Zentralbl Chir 96:581-3, 24 Apr 71 (Ger)
[The value of the gastrocytogram in non-malignant gastric diseases] Miczbán I.
Orv Hetil 111:1874-7, 9 Aug 70 (Hun)
[Directed gastroscopy and biopsy and the new GFB Olympus equipment] Faggioli F, et al.
Arch Patol Clin Med 45:429-41, Apr 69 (Ita)
[Use of the gastrocamera in the study of stomach diseases] Faggioli F, et al.
Arch Patol Clin Med 44:93-122, 1967 (Ita)
[The diagnostic value of gastric biopsy. (Review of 1000 examined cases)] Bassi GP, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1201-56, 1968 (Ita)
[Gastric double contrast in radiology (modern possibilities and criteria of use)] Marchi B, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:299-314, 1968 (Ita)
[Use of the endoscopic examination correlated with radiological examination in the study of diseases of the stomach] Faggioli F, et al.
Boll Sci Med (Bologna) 142:213-20, Apr-Jun 70 (Ita)
[Cytologic studies of gastric irrigation fluid. Preliminary studies] Cavazzuti F, et al.
G Clin Med 50:283-91, 4 Apr 69 (Ita)
[Comparison of cytological and endoscopic findings in the diagnosis of gastric pathology] Recaldin E, et al.
Minerva Chir 25:1296-8, 15 Oct 70 (Ita)
[The contribution of endoscopy-biopsy in gastric pathology] Banche M.
Minerva Med 61:3555-8, 29 Aug 70 (Ita)
[Modern methods of radiological studies in gastric pathology. Arteriography of the celiac tripod and scintiscanning with technetium pertechnetate] Lenarduzzi G. Minerva Med 61:3572-3, 29 Aug 70 (Ita)
[Possibilities, limitations and indications of scintiscanning with radiotechnetium in the study of gastric carcinoma] Di Maggio C, et al.
Quad Radiol 35:279-302, 26 Oct 69 (Ita)
[A case of tuberculosis of the stomach] Agata A, et al.
Arch Jap Chir 36:383-6, 1 May 67 (Jap)
[Case of pseudolymphoma of the stomach clinically suspected to be submucosal tumor] Kubo A, et al.
Jap J Cancer Clin 17:211-6, Mar 71 (Jap)
[On the diagnosis and treatment of false cysts of the pancreas] Huşanu E, et al.
Rev Med Chir Soc Med Nat Iasi 74:653-8, Jul-Sep 70 (Rum)
[What is the current status of exploratory gastric sondage?] Pappo A, et al.
Stud Cercet Med Interna 11:469-78, 1970 (38 ref.) (Rum)
[Differential diagnosis of diseases of the esophagus and cardia] Loginov AS, et al.
Khirurgiia (Mosk) 47:28-30, Mar 71 (Rus)
[Significance of Key's maximal histamine test for evaluating the structure of the gastric mucosa] Fishzon-Ryss IuI, et al. Sov Med 33:39-44, Oct 70 (Rus)
[Causes of erroneous diagnosis of stomach cancer in clinical conditions] Shnirel'man AI, et al.
Sov Med 34:76-80, Jan 71 (Rus)
[Diagnostic significance of palpation according to Obraztsov's method in the diagnosis of chronic diseases of the stomach and pancreas (on the 120th anniversary of the birth of V. P. Obraztsov)] Gubergrits AIa. Ter Arkh 42:132-5, Sep 70 (Rus)
[Clinical test breakfasts and methods of testing gastric secretion] Umanskif SSh.
Ter Arkh 42:9-14, Dec 70 (Rus)
[Some non-catheter methods of testing gastric juice acidity] Urazbaev EM, et al.
Ter Arkh 42:14-8, Dec 70 (Rus)
[Diagnostic significance of aspiration gastrobiopsy] Nikulin PS, et al. Voen Med Zh 9:10-3, Sep 70 (Rus)
[Clinical diagnosis of diseases of the gastroduodenal system in young persons] Tolchenov BN, et al.
Voen Med Zh 9:14-7, Sep 70 (Rus)
[Experience in carrying out gastrobiopsy in children] Mikheeva MF, et al.
Vopr Okhr Materin Det 15:86-9, Jun 70 (Rus)
[Fibrogastroscopy in the operated stomach (study of 40 cases)] Tejedor L.
Rev Esp Enferm Apar Dig 33:583-8, 1 Mar 71 (Spa)
[Gastric cytology: personal experience] Zaragosi Moliner J.
Rev Esp Enferm Apar Dig 33:589-96, 1 Mar 71 (Spa)
[Gastrophotography: its value and limitation compared with ventriculography] Edmar D.
Nord Med 84:1313, 8 Oct 70 (Swe)
[Laparoscopy in internal diseases] Svennerud S.
Nord Med 84:1505, 19 Nov 70 (Swe)

DRUG THERAPY

Steroid induced gastric regeneration and functional recovery. Johnston DH.
Gastrointest Endosc 14:19-23, Aug 67
[New drug Peptavlon ICI (Pentagastrin)] Jorgensen HA. Ugeskr Laeger 133:253-4, 12 Feb 71 (Dan)
[Results of clinical studies on a new gastric enzyme preparation] Kraft H.
Med Welt 33:1295-6, 21 Aug 71 (Ger)
[Clinical experiences with Phosphalugel in the treatment of stomach diseases] Stalder GA, et al.
Praxis 59:215-6, 10 Feb 70 (Ger)
[Treatment of gastric disorders with delayed-action Traline] Zurbonsen K, et al.
Ther Ggw 109:1774-6, Dec 70 (Ger)
[Treatment of gastroduodenal diseases with a new drug combination] Maiorano G, et al.
Minerva Gastroenterol 16:181-90, Oct-Dec 70 (Ita)
[Personal experience in the treatment of stomach diseases (peptic ulcer and gastroduodenitis) with a synthesis of metachlopramide and beta-glycirrhetic acid] Lopez-Calderon Barreda, et al.
Rev Esp Enferm Apar Dig 32:783-94, 1 Dec 70 (Spa)

ETIOLOGY

[Gastric stasis after vagotomy] Benoit D, et al.
Acta Otorhinolaryngol Belg 23:307-14, 1969
Gastric bezoar in a patient with myotonic dystrophy. A review of the gastrointestinal complications of myotonic dystrophy. Kuiper DH.
Am J Dig Dis 16:529-34, Jun 71
Stomal obstruction after vagotomy in the treatment of obstructing peptic ulcer. Cerise EJ, et al.
Am J Surg 122:371-3, Sep 71
Gastric stasis after vagotomy and pyloroplasty. Hoeffel JC, et al. Am J Surg 122:365-7, Sep 71
Phytobezoar of the stomach complicating gastro-enterostomy. Report of a case. Isbister WH.
Br J Surg 58:550-3, Jul 71
Autovagotomy and gastric bezoar. A case report. Kirks DR, et al. Gastroenterology 61:96-8, Jul 71
Studies on the chronic gastritis. II. Relationships of gastric diseases to smoking, drinking and blood type. Yamagiwa H. Mie Med J 20:89-91, May 70
[Postvagotomy syndromes] Alexiu O, et al.
Acta Gastroenterol Belg 33:30-42, Jan 70 (Fre)
[2 cases of necrosis of the stomach with perforation during acute dilatation in patients with plaster corsets] Letac R, et al.
Ann Chir Infant 12:101-6, Mar-Apr 71 (Fre)
[2 cases of diabetic gastroplegia] Schrub JC, et al.
Ann Med Interne (Paris) 121:961-4, Nov 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Gastric involvement during hemorrhagic rectocolitis (apropos of a case)] Pérol MC, et al.
Arch Fr Mal App Dig 59:781-92, Dec 70 (Fre)
[Gastric stasis after vagotomy] Benoit D, et al.
J Chir (Paris) 101:307-14, Mar 71 (Fre)
[Gastric stasis after vagotomy] Benoit D, et al.
J Radiol Electrol Med Nucl 52:275-8, May 71 (Fre)
[Gastroduodenal complications of amebiasis] Duriez R, et al. Lyon Med 225:743-7, 25 Apr 71 (Fre)
[Morphological and functional changes of esophagus and stomach in patients after pneumonectomy] Kriedemann E, et al.
Arch Geschwulstforsch 34:39-53, 1969 (Ger)
[Hematoma of the stomach wall after blunt abdominal injury] Schmitt HE.
Fortschr Geb Roentgenstr Nuklearmed 113:114-5, Jul 70 (Ger)
[Endogastric biliary calculus secondary to cholecysto-duodenal fistula] Ghigliazza GB, et al.
Minerva Radiol 14:116-21, Mar-Apr 69 (Ita)
[Gastrorrhagia in certain cholelithiasic patients] Oporto Ruiz T.
Rev Esp Enferm Apar Dig 33:727-8, 15 Mar 71 (Spa)
[Immediate and remote observations of rheumatic children with abdominal syndrome] Prikhod'ko VS, et al. Pediatr Akush Ginekol 3:24-5, May-Jun 69 (Ukr)
[Unusual complication of biliary calculi-migration into the stomach] Bárta M.
Bratisl Lek Listy 55:730-4, Jun 71 (Slo)

IMMUNOLOGY

Transfer of experimental gastric lesions in dogs by means of thoracic duct cells. Fixa B, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:169+, 1970
Experimental immunological gastric atrophy in dogs. Attempts with autologous gastric mucosa. Fixa B, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:161-7, 1970

METABOLISM

[The importance of catecholamines in the development of reflex dystrophies of the stomach wall] Anichkov SV, et al. Biull Eksp Biol Med 63:89-91, Nov 67 (Rus)
[Gastric and renal release of steroid hormones and their blood levels during various functional states of the stomach] Popov IuD.
Vrach Delo 3:86-90, Mar 71 (Rus)

OCCURRENCE

Intestinal metaplasia of gastric mucosa in autopsy materials in Hiroshima and Yamaguchi districts. Kubo T, et al. Gann 62:49-53, Feb 71

PATHOLOGY

Polypogenesis of gastric mucosa. Muto T, et al.
Gann 61:435-42, Oct 70
[Patho-histological classification of gastric polyps with specific reference to their malignant degeneration] Nakamura T. Chirurg 41:122-30, Mar 70 (Ger)
[Hyperplastic gastropathy] Gloor F, et al.
Schweiz Med Wochenschr 100:1222-3, 11 Jul 70 (Ger)
[Anatomo-clinical characteristics of a case of eosinophilic granuloma of the stomach] Villa A, et al.
Acta Chir Ital 25:417-26, May-Jun 69 (Ita)
[Stomach biopsy in non-neoplastic diseases] Gasbarrini G, et al.
Bull Sci Med (Bologna) 142:201-13, Apr-Jun 70 (Ita)
[Significance of Key's maximal histamine test for evaluating the structure of the gastric mucosa] Fishzon-Ryss IuI, et al. Sov Med 33:39-44, Oct 70 (Rus)

PHYSIOPATHOLOGY

The intrinsic factor secretion in localized gastric disorders. Rodbro P.
Acta Med Scand 188:457-63, Nov 70
[Effect of kinin hormones on the gastric juice secretion. IV. Effect of proteinase inhibitor Trasylol] Mertz DP, et al. Med Klin 66:469-73, 26 Mar 71 (Ger)
[Lipid composition of the gastric juice in norma l and pathologic conditions] Gandolfi L, et al.
Arch Patol Clin Med 45:484-91, Sep 69 (Ita)
Gastric physiopathology] Barbara L, et al.
Bull Sci Med (Bologna) 142:195-201, Apr-Jun 70 (Ita)
[Gastric acid secretion after administration of betazole hydrochloride in 117 subjects] Dal Monte PR, et al.
G Clin Med 51:434-45, May 70 (Ita)
[Functional status of the muscular system in patients with chronic diseases of the stomach and duodenum before and after administration of ascorbic acid] Frolov VM, et al. Ter Arkh 42:48-52, Dec 70 (Rus)

RADIOGRAPHY

Roentgenologic features of regional enteritis of the upper gastrointestinal tract. Legge DA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:355-60, Oct 70
Angiographic findings in diseases of the stomach. Shibata S, et al.
Am J Roentgenol Radium Ther Nucl Med 110:322-31, Oct 70
Accessory lung presenting as juxtagastric mass. Pai SH, et al. Arch Pathol 91:569-72, Jun 71
Arteriographic manifestations of tuberculosis of the splenic flexure and the stomach. Kinkhabwala M, et al.
Br J Radiol 44:384-7, May 71
[X-ray picture of the stomach granuloma with eosinophilic infiltration] Bruna J, et al.
Cesk Radiol 25:69-75, Mar 71 (Cze)
[Gastric invagination as a cause of atypical upper abdominal symptoms. A radiographic study] Herder BA den.
Ned Tijdschr Geneeskd 114:1605-11, 26 Sep 70 (Dut)
[The double contrast method; an essential part of the radiologic study of the stomach and the duodenum] Orth JO op den.
Ned Tijdschr Geneeskd 115:535-8, 20 Mar 71 (Dut)
[Clinical radiologic conference: a case of abdominal tumor and a case of stomach polyps] Vandermersch C, et al. Tijdschr Gastroenterol 14:132-40, 1971 (Dut)
[Indications for angiography in upper digestive hemorrhages] Bennet J.
Ann Gastroenterol Hepatol (Paris) 6:57-63, Jan-Feb 70 (Fre)
[Comparative study of information furnished by standard radiography and radiocinematography of malpositions of the cardia and tuberosity and hiatal hernias. Study in 50 patients] Boutelier P, et al.
Arch Fr Mal App Dig 60:5-12, Jan-Feb 71 (Fre)
[Difficulties of radiographic diagnosis of gastric varices] Wellens P, et al.
J Belge Radiol 51:67-72, 1968 (Fre)
[Diagnostic effectiveness in roentgen examination of the stomach using a standardized basic program] Böck G, et al. Dtsch Gesundheitsw 26:871-4, 6 May 71 (Ger)
[Evaluation of the gallbladder from the morphologic and functional viewpoint in combined roentgenologic diagnosis of the upper abdomen. Planimetric studies] Koenig H, et al.
Dtsch Gesundheitsw 25:1269-71, 6 Jul 70 (Ger)
[Tumor simulating stomach diseases and their differential diagnosis. 1. Polyetiology of mucosal folds in the gastric mucosa relief] Bürkle G, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:237-46, Feb 71 (Ger)
[Cystic changes in the stomach wall] Reicheit H.
Fortschr Geb Roentgenstr Nuklearmed 114:247-53, Feb 71 (Ger)
[Pharmacoradiographic testing of spasmolytics] Gimes B. Orv Hetil 112:738-40, 28 Mar 71 (Hun)
[Pyloric enlargement radiologic findings and clinical significance] Marchi B, et al.
Minerva Radiol 14:1-14, Jan-Feb 69 (Ita)
[Gastroesophageal varices: esophageal radiography and splenoportography compared in a re-examination of the traditional radiological methods] Piazza G, et al.
Quad Radiol 35:351-71, 26 Oct 69 (Ita)
[Interpretation of the indirect roentgenogram of the stomach] Ogata Y, et al.
Rinsho Hoshasen 16:53-62, Jan 71 (Jap)
[Experience with mass examination of the stomach and duodenum with barium sulfate charged with carbon dioxide] Sakuragi S, et al.
Rinsho Hoshasen 16:315-20, Apr 71 (Jap)
[Clinical application of Yamagata-Atsumi all purpose radioscopy apparatus to stomach diseases] Yamagata S, et al. Rinsho Hoshasen 15:944-9 concl, Dec 70 (Jap)
[Differential x-ray diagnosis of gastric dyskinesia and pyloric stenosis in young children] Levin IuR.
Vestn Rentgenol Radiol 45:13-8, Jan-Feb 70 (Rus)
[Method and technic of roentgenological examination in parietography of the stomach. 1] Danielian TsA.
Zh Eksp Klin Med 8:78-86, 1968 (Rus)
[Endoscopy of the cardia and gastric tectum] Pardo R, et al.
Rev Esp Enferm Apar Dig 31:73-80, 1 Apr 70 (Spa)

SURGERY

Surgical management of diffuse hemorrhage from gastric mucosa. Matsumoto T, et al.
Am J Surg 121:129-33, Feb 71
Clinical biochemistry in the hospital laboratory services. Langman MJ, et al. Lancet 1:190, 23 Jan 71
Bezoars, old and new. Ravitch MM.
Med Times 98:158 passim, Dec 70
Abdominal surgery. I. Welch CE.
N Engl J Med 284:424-31, 25 Feb 71 (84 ref.)
Gastric pneumatosis. Isdale J. S Afr J Surg 8:93-4, 1970
Gastroduodenal intussusception in a child. Apfelberg DB, et al. Surgery 69:736-40, May 71
[Precancerous conditions and benign tumors of the esophagus and stomach] Heberer G, et al.
Chirurg 41:107-16, Mar 70 (Ger)
[Intraesophageal pH measurement for demonstration of gastroesophageal reflux in patients with stomach resection] Arendt R.
Dtsch Z Verdau Stoffwechselkr 29:187-92, 1969 (Ger)
[Postoperative necrotizing pancreatitis following resection of the stomach] Dimakakos PB.
Ther Umsch 27:214-9, Apr 70 (Ger)
[Metabolic and endocrine osteopathies after stomach operations] Kaiser W, et al.
Z Aerztl Fortbild (Jena) 64:876-80, 1 Sep 70 (Ger)
[Indication for surgery in esophageal hiatal hernias and in cardiac sphincter insufficiency] Rossetti M.
Z Allgemeinmed 47:940-1, Jun 71 (Ger)
[Dysbiosis after stomach surgery and its treatment] Berndt H.
Z Gesamte Inn Med 24:377-82, 15 Jun 69 (Ger)
[Re-operations on the stomach] Fegiz GF.
Minerva Med 61:3561-2, 29 Aug 70 (Ita)
[Technic of creating a compensatory stomach] Hashimoto I.
Surg Ther (Osaka) 23:618-22, Dec 70 (Jap)
[Gastroduodenal diseases requiring emergency surgery] Hikita T, et al.
Surg Ther (Osaka) 24:141-6, Feb 71 (Jap)
[Postoperative follow-up results of benign gastric diseases--with special reference to patients' complaint] Makino K, et al.
Surg Ther (Osaka) 24:628-39, Jun 71 (Jap)
[Case of acute stomach phlegmon] Sawa N, et al.
Surg Ther (Osaka) 23:698-702, Dec 70 (Jap)
[Eosinophilic granuloma of the stomach] Wiśniewski A, et al. Pol Przegl Chir 43:775-7, May 71 (Pol)
[Current status of prevention and treatment of the operated stomach syndrome] Gavriliu D, et al.
Med Interna (Bucur) 22:849-56, Jul 70 (Rum)
[Plastic resection of the stomach and gastrectomy] Ivanov VA, et al.
Khirurgiia (Mosk) 46:25-30, Apr 70 (Rus)
[Anastomosis obstruction] Glivenko IuA.
Klin Khir 1:60-1, Jan 70 (Rus)
[Surgery for hemorrhage from a fissure in the mucosa of the cardial portion of the stomach] Khook KA, et al.
Vestn Khir 103:115-6, Jun 69 (Rus)
[Bilio-digestive derivations] Haddad RE.
Cir Cir 39:873-80, Mar-Apr 71 (Spa)
[Estimation of changes in the gallbladder and bile ducts after resection of the stomach] Beño I.
Cesk Radiol 25:56-60, Mar 71 (Slo)

THERAPY

[Severe eso-gastric hemorrhages. Technic, indications and results of moderate visceral refrigeration] Levy E, et al.
Ann Gastroenterol Hepatol (Paris) 6:69-86, Jan-Feb 70 (Fre)
[Criteria of the therapeutic efficacy of thermal cures in gastroenterology] Cornet A.
Presse Therm Climat 107:142-6, 1970 (Fre)
[Treatment of various diseases with Bulgarian mineral waters] Brailski C.
Arch Phys Ther (Leipz) 21:81-6, Jan-Feb 69 (Ger)
[Anorexia--gastritis, gastroptosis and neurogenic anorexia] Yamagata S, et al.
Naika 27:1006-11, Jun 71 (Jap)

VETERINARY

Gastric torsion in swine. Cedervall A.
Acta Vet Scand 12:142-4, 1971
Acute impaction of the rumen of drought-fed cattle resulting from changes in the type of grain fed. Morris JG. Aust Vet J 47:129-33, Apr 71
A modification of an old method for emptying the rumen of cattle. Radostits OM, et al.
Can Vet J 12:150-1, Jul 71
Acute bloat syndrome in stumptailed macaques (Macaca arctoides): a report of four cases. Newton WM, et al. Lab Anim Sci 21:193-6, Apr 71
Epidemiological studies on gastro-intestinal nematode parasites of sheep. Infection patterns on clean and autumn-contaminated pasture. Boag B, et al.
Res Vet Sci 12:132-9, Mar 71
Invagination of the stomach into the esophagus in a dog. Klopfer U, et al.
Vet Med Small Anim Clin 66:820 passim, Aug 71
[Trial treatment of gastrointestinal parasitism of dromedaries by tetramisole. 1st observations] Graber M. Rev Elev Med Vet Pays Trop 22:229-36, 1969 (Fre)
[Etiology and morphology of gizzard erosions in poultry] Gialamas J.
Dtsch Tieraerztl Wochenschr 78:245-9, 15 Apr 71 (Ger)
[Etiology and morphology of stomach muscle erosions of the chicken] Gialamas J.
Wien Tieraerztl Monatsschr 57:123-4, 1970 (Ger)

STOMACH DIVERTICULA (C4)

A huge gastric diverticulum. Seltzer MH, et al.
Am J Dig Dis 16:167-70, Feb 71
[Diverticula of the stomach and duodenum: personal experience] Arribas Castrillo JM, et al.
Rev Esp Enferm Apar Dig 32:645-64, 15 Nov 70 (Spa)

COMPLICATIONS

[Hematemesis caused by ulcerated gastric diverticu] Crismer R, et al.
Arch Fr Mal App Dig 59:823-4, Dec 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DIAGNOSIS

[Differential diagnosis of diverticulous protrusions of the stomach] Grepl J.
Cesk Radiol 25:61-8, Mar 71 (Cze)

ETIOLOGY

[Etiology and pathogenesis of gastric and duodenal diverticula] Alekseenko AA.
Sov Med 33:49-53, Oct 70 (Rus)

RADIOGRAPHY

[Stomach diverticula] Ionescu D, et al.
J Radiol Electrol Med Nucl 51:387-8, Jun-Jul 70 (Fre)
[Radiologic diagnosis of gastric diverticula] Gheza P, et al.
Arch Ital Mal Appar Dig 36:89-143, May-Aug 69 (Ita)
[Gastric diverticula of the greater curvature] Broz L, et al. Chir Ital 20:1004-21, Oct 68 (Ita)
[Gastric diverticula] Mihajlović N, et al.
Lijec Vjesn 92:933-9, 1970 (Cro)

STOMACH NEOPLASMS (C2)

Carcinoma of the stomach. Analysis of a clinical material and possible ways of improving the prognosis. Ohman U, et al.
Acta Chir Scand 136:219-26, 1970
Gastric carcinoma developing after surgery for peptic ulcer. Graves HA Jr, et al. Am Surg 37:73-6, Feb 71
Primary lymphosarcoma of the stomach. Lee HY, et al.
Am Surg 37:256-62, May 71
Benign giant gastric ulcer. Lulu DJ.
Am Surg 37:357-62, Jun 71
Sarcomatous lesions of the stomach. Burgess JN, et al.
Ann Surg 173:758-66, May 71
Multiple gastric polyposis: a case report. Crowley JG.
Br J Surg 58:314-6, Apr 71
Primary adenocarcinoma of the mid-esophagus arising in ectopic gastric mucosa with associated hiatal hernia and reflux esophagitis (Dawson's syndrome). Jernstrom P, et al. Cancer 26:1343-8, Dec 70
Extramedullary plasmacytoma of stomach. Remigio PA, et al. Cancer 27:562-8, Mar 71
Primary reticulum cell sarcoma of the stomach. Dunn GD, et al. Gastrointest Endosc 17:153-8, May 71
Gastric leiomyoblastoma. Bose B, et al.
Gut 11:875-80, Oct 70
Gastrointestinal polyposis. Bussey HJ.
Gut 11:970-8, Nov 70 (85 ref.)
Case report. Lymphatic cyst of the stomach. Isaacson R, et al. Minn Med 53:1197-8, Nov 70
Carcinoma of stomach 40 years after gastroenterostomy. Report of a case. Prots RA, et al.
Ohio State Med J 67:521-5, Jun 71
Evaluation of distant metastases by mediastinoscopy in carcinoma of the stomach. Fischerman K, et al.
Scand J Gastroenterol 6:Suppl 9:91-4, 1971
The leiomyoblastoma of the stomach. Tanghe W, et al.
Tijdschr Gastroenterol 13:244-60, 1970
[Lipoma of the stomach. Report of a case] Thomassen H. Ugeskr Laeger 133:649-50, 9 Apr 71 (Dan)
[Development of stomach cancer. A retrospective assessment of clinical cases] Kawai K, et al.
Ann Gastroenterol Hepatol (Paris) 6:217-23, May-Jun 70 (Fre)
[Development of a gastric carcinoma with hepatic metastases] Lapeyrère J, et al.
Arch Fr Mal App Dig 57:925-32, Nov 68 (Fre)
[Results of the treatment of cancers of the gastric stump after resection of the stomach for gastroduodenal ulcers] Saegesser F.
Arch Fr Mal App Dig 59:659-74, Oct-Nov 70 (Fre)
[Gastric localization of Hodgkin's disease] Fiz G, et al.
Bord Med 4:399 passim, Feb 71 (Fre)
[Extensive gastric schwannoma] Menyé PA, et al.
Bull Soc Med Afr Noire Lang Fr 16:76-8, 1971 (Fre)
[Stomach cancer] Girard M.
J Med Lyon 51:1139-52, 5 May 70 (Fre)
[Various cases of benign gastroduodenal tumors] Cathala H, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:451, May 69 (Fre)
[Gastric lymphoma] Gautier-Benoit C, et al.
Lille Med 16:445-8, Mar 71 (Fre)
[Cancer of the stomach and pregnancy] Palliez R, et al.
Rev Fr Gynecol Obstet 66:269-73, Apr 71 (Fre)
[Calcified and degenerated gastric intramural myoid tumor] Charles J, et al.
Sem Hop Paris 47:1489-93, 14 May 71 (Fre)
[Epidermoid carcinoma of the stomach] Cornet A, et al.
Sem Hop Paris 47:1173-6, 14 Apr 71 (Fre)
[Malignant villous tumors of the stomach] Delavierre P, et al. Sem Hop Paris 47:1177-82, 14 Apr 71 (Fre)
[Gastric localization of Hodgkin's disease] Delumeau G, et al. Sem Hop Paris 47:1496-8, 14 May 71 (Fre)
[Digestive localizations of Hodgkin's disease] Grivaux M, et al. Sem Hop Paris 47:1197-200, 14 Apr 71 (Fre)
[2 cases of pyloric cancer in a young patient] Grosdidier J, et al. Sem Hop Paris 46:2595-7, 14 Oct 70 (Fre)
[Cancer of the gastric antrum. 13 year development] Hardy M. Sem Hop Paris 46:2592-4, 14 Oct 70 (Fre)
[2 cases of benign tumors of the cardia] Hivet M, et al.
Sem Hop Paris 46:2579-83, 14 Oct 70 (Fre)
[Gastric adenocarcinoma] Imbert R.
Sem Hop Paris 47:1494-5, 14 May 71 (Fre)
[Bowen disease and epidermoid carcinoma of the stomach] Rogé J, et al.
Sem Hop Paris 47:1208-10, 14 Apr 71 (Fre)
[Pulmonary metastases in gastric carcinoma] Stankovic P.
Bruns Beitr Klin Chir 218:448-51, Feb 71 (Ger)
[Primary reticulum cell sarcoma of the stomach] Wolf M, et al.
Dtsch Gesundheitsw 26:717-22, 15 Apr 71 (Ger)
[Stomach neuromas] Jelinek R, et al.
Langenbecks Arch Chir 322:110-4, 1968 (Ger)
[Isolated lymphogranulomatosis of the stomach] Wendenburg HH, et al.
Strahlentherapie 140:84-8, Jul 70 (Ger)
[Smooth muscle tumors of the stomach] Riesenfeld G. Harefuah 78:215-20, 1 Mar 70 (Heb)
[Benign tumors of the stomach] Boscaino N, et al.
Acta Chir Ital 26:481-510, Nov-Dec 70 (Ita)
[Hemorrhagiparous telangiectatic fibroleiomyoma of the stomach (with a list of cases from the literature)] Croce G.
Arch De Vecchi Anat Patol 54:867-84, Apr 69 (Ita)
[On gastric lymphogranuloma] Croce G.
Arch De Vecchi Anat Patol 54:885-94, Apr 69 (Ita)
[Primary malignant lymphogranuloma of the stomach: contribution to a modern classificatory framework] Capelli A, et al.
Arch Ital Anat Istol Patol 43:123-48, 1970 (Ita)
[On 2 cases of benign gastric tumors of nervous origin] Merighi L, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:935-40, 1968 (Ita)
[Metastatic carcinoma of the esophagus] Garusi G, et al.
Fracastoro 62:117-38, Mar-Apr 69 (Ita)
[Polyposis of the stomach and large intestine, with special reference to their malignant transformation. Clinical case] Aulisa B, et al.
Minerva Chir 26:554-61, 31 May 71 (Ita)
[Cancerization of gastric polyps. Observations on 4 cases] Gava L, et al.
Minerva Chir 25:817-29, 15 Jun 70 (Ita)
[Reticulosarcoma of the stomach (apropos of 2 personal cases)] Martinotti A, et al.
Minerva Chir 25:121-9, 31 Jan 70 (Ita)
[Benign tumors of the stomach] Merlo G, et al.
Minerva Chir 26:533-51, 31 May 71 (Ita)
[2 cases of lymphosarcoma of the stomach] Vota L, et al.
Pathologica 61:37-44, Jan-Feb 69 (Ita)
[A rare case of extramedullary gastric plasmocytoma] Mellotti G, et al.
Rass Int Clin Ter 49:1442-50, 30 Nov 69 (Ita)
[Benign non-epithelial gastric tumors derived from elements of the stomach itself. Review of the literature and personal anatomo-clinical cases] Saviano MS.
Riv Anat Patol Oncol 35:5-113, 1969 (300 ref.) (Ita)
[2 cases of leiomyoma of the stomach] Matsuoka T, et al. Iryo 25:133-6, Feb 71 (Jap)
[Carcinoid tumor of the stomach--a case report] Yamada M, et al. Iryo 24:829-32, Oct 70 (Jap)
[Case of gastric and pulmonary double cancer] Hirata H. Jap J Cancer Clin 17:63-6, 1971 (Jap)
[Case of metachronous multiple primary cancer--cancer of the common bile duct discovered 13 years after the operation of surperficial cancer of the stomach] Makihara S, et al.
Jap J Cancer Clin 17:59-62, 1971 (Jap)
[International Reference Center for Stomach Cancer in WHO] Tsukamoto N.
Jap J Cancer Clin 16:971-2, Sep 70 (Jap)
[Mechanism of metastasis and recurrence of cancer] Akagi M, et al.
Surg Ther (Osaka) 24:678-82, Jun 71 (Jap)
[Reticulosarcoma of the stomach] Myszka S, et al.
Pol Przegl Chir 42:1450-4, Oct 70 (Pol)
[Cancer of the stomach with metastases to the omentum majus treated surgically. 8-year survival] Parszewski M, et al.
Pol Przegl Chir 42:1850-1, Dec 70 (Pol)
[Myoma of the stomach] Redliński B, et al.
Pol Przegl Chir 42:1398-403, Oct 70 (Pol)
[Ulcerating gastric carcinoma] Batko B, et al.
Wiad Lek 24:139-41, 15 Jan 71 (Pol)
[Gastric neurilemmoma] Wajda Z, et al.
Wiad Lek 24:93-5, 15 Jan 71 (Pol)
[Primary sarcomas of the stomach. Con- siderations apropos of 5 personal cases] Rosenberg D, et al.
Rev Assoc Med Bras 16:61-70, Oct 70 (Por)
[Primary reticulosarcoma of the stomach] Belonosov VP. Khirurgiia (Mosk) 45:133-6, Sep 69 (Rus)
[Paths of spreading of cancer of the pyloric portion of the stomach] Takuiov UT.
Khirurgiia (Mosk) 45:53-7, Sep 69 (Rus)
[Lipoma of the stomach] Riazantsev VI.
Klin Khir 2:63-4, Feb 71 (Rus)
[Strangulation of stomach polyps in the pyloric canal] Romanevich KP. Klin Khir 9:59-60, Sep 70 (Rus)
[Metastasis of malignant tumors to the thyroid gland] Kalinin AP, et al. Sov Med 33:136-8, Oct 70 (Rus)
[Cancer of the stomach in patients with duodenal ulcer] Bogatyrev MF. Ter Arkh 41:109-11, Sep 69 (Rus)
[Case of lymphogranulomatosis of the stomach] Kameneva SI, et al.
Vestn Rentgenol Radiol 45:94-5, Jan-Feb 70 (Rus)
[Leiomyosarcoma of the stomach in children] Temirkulov AT.
Vopr Okhr Materin Det 15:73-4, Sep 70 (Rus)
[Carcinemia and metastasis of Walker carcinosarcoma implanted in the wall of the stomach] Sukovatykh LS, et al. Vopr Onkol 16:60-3, 1970 (Rus)
[Gastric tumors other than carcinoma. Findings in 58 cases] Villalobos J, et al.
Gac Med Mex 98:911-26, Sep 68 (Spa)
[Gastric cancer] Gentile JH.
Prensa Med Argent 58:265-8, 2 Apr 71 (Spa)
[2 cases of gastric leiomyoma] Bort Martí J, et al.
Rev Clin Esp 119:77-80, 15 Oct 70 (Spa)
[Experience on 12 cases of gastric stump carcinoma] Escartín Marín P, et al.
Rev Clin Esp 119:119-24, 31 Dec 70 (Spa)
[Stomach cancer. Incidence. Clinical pathology. Current diagnosis technics. surgical possibilities for its treatment] Amo Galan A, et al.
Rev Esp Enferm Apar Dig 31:395-422 contd, 15 May 70 (Spa)
[Tumor of the upper portion of the stomach] Franquelo Ramos E, et al.
Rev Esp Enferm Apar Dig 33:599-600, 1 Mar 71 (Spa)
[Comments on a case of gastric endometriosis] Gil Mariscal, et al.
Rev Esp Enferm Apar Dig 33:603-4, 1 Mar 71 (Spa)
[Gastric malignant melanoma. Report of a new case and review of the literature] Voltas J, et al.
Rev Esp Enferm Apar Dig 32:431-40, 15 Oct 70 (Spa)
[Stomach cancer. Incidence. Clinical aspects. Current diagnostic technics. Surgical possibilities of its treatment. II]
Rev Esp Enferm Apar Dig 31:491-524, 1 Jun 70 (Spa)
[Osseous metastasis of uncommon localization in gastric carcinoma] Toledo-Pereyra LH, et al.
Rev Invest Clin 22:193-8, Apr-Jun 70 (Spa)
[Incipient gastric cancer] Klinger J, et al.
Rev Med Chil 99:555-9, Aug 71 (Spa)

BLOOD

[Factors related to spreading of gastric cancer influence of serum gamma-globulin value and histological stromal reactions] Kamiyama R, et al.
Jap J Cancer Clin 16:1185-90, 1970 (Jap)
[Clinical studies on seromucoid concentration in malignant tumor] Saito T, et al.
Jap J Cancer Clin 17:189-95, Mar 71 (Jap)
[Studies on the postoperative changes of serum LDH activity in the gastric cancer patients. Especially on the quantitative correlations with serum HBD activity, blood pyruvic acid level, and serum free amino acid pattern] Ikemoto T.
Sapporo Med J 37:148-66, Apr-May 70 (Jap)
[Intravenous loading with isotonic solutions in patients with cancer of the stomach and ulcerous disease: effect of loading on the volume of circulating blood and the level of blood serum proteins] Marczyńska A, et al. Pol Przegl Chir 42:1653-9, Nov 70 (Pol)
[Concentration of monosaccharides in the blood of stomach cancer patients] Gude ZZh, et al.
Klin Khir 4:72-3, 1971 (Rus)
[The cytochemical indices of blood neutrophils in stomach cancer patients] Geller LI, et al.
Vopr Onkol 17:39-41, 1971 (Rus)
[The glucocorticoid function of the adrenal cortex in stomach cancer patients] Ibragimov EI, et al.
Vopr Onkol 16:83, 1970 (Rus)

CHEMICALLY INDUCED

Induction of cancer by 20-methylcholanthrene in different regions of the rat stomach. Arkhipov GN.
Cancer Res 30:2739-43, Nov 70
Production of leukemia and stomach neoplasms in Swiss, RF, BALB-c, and C3H female mice by feeding N-[4-(5-nitro-2-furyl)-2-thiazolyl]acetamide. Cohen SM, et al. Cancer Res 30:2320-5, Sep 70
Gastric tumors and lung lesions in the rat following the intragastric or intraperitoneal administration of N-(beta-chloroethyl)-N-nitrosourethan. Schoental R, et al. Cancer Res 31:573-6, May 71
Leiomyosarcomas induced by oral administration of N-methyl-N'-nitro-N-nitrosoguanidine in gastric cysts grafted in subcutaneous tissue of mice. Matsuyama M, et al. Gann 61:523-7, Dec 70
Production of stomach cancer in dogs by N-methyl-N'-nitro-N-nitrosoguanidine. Sugimura T, et al. Gann 62:67, Feb 71
Tumor induction with single urethan injection in newborn and adult syrian golden hamsters. A study on age influence. I. Toth B. Int J Cancer 6:63-8, 15 Jul 70
Kinetics of nitrosamide formation from alkylureas, N-alkylurethans, and alkylguanidines: possible implications for the etiology of human gastric cancer. Mirvish SS. J Natl Cancer Inst 46:1183-93, Jun 71
Carcinogenic action of 2,7-diacetylaminofluorene on the stomach of rats with experimental gastric ulcer.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Kowalewski K, et al.
Scand J Gastroenterol 6:323-8, 1971
[Organ specific carcinogenesis by diethylnitrosamine (DENA)] Schaude G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:436-7, 1970 (Ger)
[Selective induction of carcinomas of the glandular stomach by N-methyl-N-nitroso-N'-acetylurea(AcMNU) in rats] Druckrey H, et al.
Z Krebsforsch 75:23-33, 20 Nov 70 (Ger)
[Carcinogenic effect of diethyl- and dibutylnitrosamine in the Chinese hamster] Althoff J, et al. Z Versuchstierkd 12:112, 1970 (Ger)
[Experimental study of gastric ulcer-cancer--effect of N-methyl-N'-nitro-N-nitrosoguanidine (NG) in rats with experimental chronic ulcer] Oara T.
Jap J Cancer Clin 17:543-50, 1971 (Jap)
[Role of several overheated food fats in chemical cancerogenesis] Turkiia NG, et al.
Vopr Pitan 30:31-4, 1971 (Rus)

CLASSIFICATION

T N M classification for stomach cancer. Kennedy BJ.
Cancer 26:971-83, Nov 70

COMPLICATIONS

Histological and immunohistochemical studies on spontaneous renal lesions of Praomys (Mastomys) natalensis. Kozima K, et al.
Acta Pathol Jap 20:311-25, Aug 70
Multiple sebaceous gland tumours, with multiple tumours of internal organs. A new syndrome? Bakker PM, et al. Dermatologica 142:50-7, 1971
A novel method for detecting intestinal metaplasia of the stomach with tes-tape. Sugimura T, et al.
Gann 62:237, Jun 71
Pneumopericardium associated with gastric cancer. Report of a case and literature review. Cramm RE, et al. Gastroenterology 60:311-5, Feb 71
Case reports. Multiple diffuse cystic disease of the stomach in association with carcinoma. Ignatius JA, et al. Gastroenterology 59:610-4, Oct 70
Observations on the healing of ulcerations in early gastric cancer. The life cycle of the malignant ulcer. Sakita T, et al.
Gastroenterology 60:835-9 passim, May 71
ABO blood groups in patients with gastric carcinoma associated with pernicious anaemia. Callender S, et al.
Gut 12:465-7, Jun 71
A study in terminal care. Yelverton T.
Nurs Times 67:293-6, 11 Mar 71
Hiatus hernia and cancer of the cardio-oesophageal region. Hennessy TP, et al.
Practitioner 206:520-1, Apr 71
Carcinoma occurring in pharyngoesophageal diverticulum: report of three cases. Wychulis AR, et al. Surgery 66:976-9, Dec 69
[Case of primary multiple small-intestinal carcinoma with brain metastases and simultaneous primary adenocarcinoma of the stomach] Linde NC.
Ugeskr Laeger 132:1913-5, 8 Oct 70 (Dan)
[Exudative gastropathy with hypoproteinemia due to malignant tumor of the villous structure: arteriographic and biologic study; recovery after gastrectomy] Debray C, et al.
Arch Fr Mal App Dig 58:661-74, Oct-Nov 69 (Fre)
[Ulceriform cancer of the stomach. Peptic ulceration of a cancer] Levrat MM.
Arch Fr Mal App Dig 59:813-4, Dec 70 (Fre)
[Biermer's disease and gastric reticulosarcoma. (A case)] Moretti G, et al.
Bord Med 4:441 passim, Feb 71 (Fre)
[Recurrent hypoglycemic coma associated with gastric cancer] De Leeuw I, et al.
Diabete 19:47-8, Jan-Mar 71 (Fre)
[Apropos of gastric neoplasms revealed by peritoneal perforation] Benozio M, et al.
J Radiol Electrol Med Nucl 51:80-2, Jan-Feb 70 (Fre)
[Transpyloric invagination of gastric tumors] Lecomte P, et al.
J Radiol Electrol Med Nucl 50:222-3, Mar-Apr 69 (Fre)
[Microangiopathic hemolytic anemia and disseminated intravascular coagulation during metastatic cancers] Boulard C, et al. Presse Med 79:1347-9, 12 Jun 71 (Fre)
[Scleroderma and cancer of the stomach] Rogé J, et al.
Sem Hop Paris 47:1211-3, 14 Apr 71 (Fre)
[Microangiopathic hemolytic anemia in metastasizing carcinoma of the stomach] Gehrmann G, et al.
Dtsch Med Wochenschr 96:1118-21, 25 Jun 71 (Ger)
[Dislike of meat in gastric carcinoma] Seifert E.
Dtsch Med Wochenschr 96:312-3, 12 Feb 71 (Ger)
[Metastasizing leiomyoblastoma of the stomach with long survival] Frodl FK.
Fortschr Geb Roentgenstr Nuklearmed 11:112-4, Jan 70 (Ger)
[Polyps in the prolapsed gastric part of an esophagogastric hiatal hernia] Janson R.
Fortschr Geb Roentgenstr Nuklearmed 114:713-5, May 71 (Ger)
[A carcinoma in a hiatal hernia of the stomach] Loo W van de, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:711-3, May 71 (Ger)
[Mucinous carcinoma of the stomach and chronic lymphatic leukemia] Domres B, et al.
Med Welt 13:496-500, 27 Mar 71 (Ger)
[Endocrine polyadenomatosis combined with a tentorial meningioma] Banki H, et al.
Wien Klin Wochenschr 82:257-9, 3 Apr 70 (Ger)
[Rare case of multiple nodular gastric tumor (Stout's bizarre leiomyoma) associated with pulmonary amartochondroma in a 12-year-old girl] Vio A, et al.
Ann Ital Chir 45:750-68, 1969 (Ita)
[Emergency indications in complications of gastric cancer] Sommariva V.
Minerva Med 62:254-7, 20 Jan 71 (Ita)
[Ideas on physiopathology and therapy of water-electrolyte balance disorders in some gastroduodenal syndromes] Zaffiri O, et al.
Minerva Med 61:3582-5, 29 Aug 70 (Ita)
[Case of serious gastric hemorrhage of unusual etiology: gastric neurinoma] Catucci G, et al.
Nunt Radiol 35:89-96, Jan 69 (Ita)
[Perforation of gastric cancer into the free peritoneum] Negrone G, et al.
Rass Int Clin Ter 50:762-74, 30 Jun 70 (Ita)
[Case of reactive lymphoreticular hyperplasia combined with early cancer of the stomach] Miura T, et al. Jap J Cancer Clin 17:297-301, Apr 71 (Jap)
[Case of early stomach cancer of the IIc type and maxillary cancer] Sasaki K, et al.
Jap J Cancer Clin 17:302-4, Apr 71 (Jap)
[Gastric cancer metastasizing to the ureter--a case resulting in anuria] Seki M, et al.
Jap J Cancer Clin 16:1017-22, Sep 70 (Jap)
[Case of stomach cancer causing pseudoaneuria] Hama H, et al. Naika 26:941-5, Nov 70 (Jap)
[3 cases of microangiopathic hemolytic anemia] Ishioka T, et al. Naika 26:961-4, Nov 70 (Jap)
[Autopsy case of stomach cancer with marked eosinophilia] Sugawa Y, et al.
Naika 26:750-4, Oct 70 (Jap)
[Case of gastric metastasis of chorioepithelioma with massive hematemesis] Ito T, et al.
Surg Ther (Osaka) 24:594-7, May 71 (Jap)
[Complication of acanthosis nigricans with gastric cancer] Miura K, et al.
Surg Ther (Osaka) 24:239-43, Feb 71 (Jap)
[Primary diverticulosis of the whole small intestine coexisting with carcinoma of the stomach] Jesipowicz M, et al. Pol Przegl Chir 43:103-5, Jan 71 (Pol)
[Intramural neurilemmoma of the stomach complicated by an ulceration and bleeding] Kwiatkowski C, et al.
Pol Przegl Chir 42:1855-7, Dec 70 (Pol)
[Lipoma coexisting with stomach ulcer] Kwiatkowski C, et al. Pol Przegl Chir 43:515-7, Mar 71 (Pol)
[Bezoar in a patient with gastric cancer] Bross W, et al.
Pol Tyg Lek 25:1660-1, 2 Nov 70 (Pol)
[Hematologic changes in a case of gastric cancer] Przybylowski J, et al.
Pol Tyg Lek 26:602-3, 19 Apr 71 (Pol)
[Diagnosis and surgical treatment of duodenocolonic fistulas in peptic ulcer and stomach cancer] Kozhevnikov AI, et al.
Khirurgiia (Mosk) 46:37-40, Apr 70 (Rus)
[Case of a bleeding leiomyoma of the stomach] Karpov PF, et al. Klin Khir 2:62-3, Feb 71 (Rus)
[Association of cancer of the lower lip with carcinoma of other locations] Klunichenko AM, et al.
Klin Khir 9:75, Sep 70 (Rus)
[Clinical and x-ray characteristics of massively bleeding stomach and duodenal neoplasms] Shcherbatenko MK. Sov Med 34:47-52, Jan 71 (Rus)
[Rare combination of stomach angiosarcoma with splenomegaly] Senchilo EA, et al.
Vestn Khir 105:118-9, Aug 70 (Rus)
[Severe gastrorrhagia caused by in situ gastric carcinoma] Ferreira Montero V, et al.
Rev Esp Enferm Apar Dig 34:405-12, 15 May 71 (Spa)

DIAGNOSIS

Reticulosarcoma of the stomach. Report of 13 cases with follow-up results. Bilde T, et al.
Acta Chir Scand 136:617-21, 1970
Significance of imprint smear in cytologic diagnosis of malignant tumors of the stomach. Yoshii Y, et al.
Acta Cytol (Baltimore) 14:249-53, May 70
Diagnose this unusual case in gastroenterology. Rorer WH. Am Fam Physician 4:107-8, Aug 71
Achalasia or carcinoma? The significance of the mecholyl test. Herrera AF, et al.
Am J Dig Dis 15:1073-81, Dec 70
The accuracy of fibreoptic endoscopy in the diagnosis of gastric cancer. Thomas E, et al.
Aust NZ J Surg 40:339-42, May 71
Early gastric carcinoma. Scobie BA.
Australas Radiol 14:181-2, May 70
Pathology and prognosis of carcinoma of the stomach. Hawley PR, et al. Br J Surg 57:877-83, Dec 70
Scanning of the stomach with 99mTc. Mikolajków A, et al. Digestion 3:357-67, 1970
Healing of malignant gastric ulcers. MacDonald WC.
Gastroenterology 60:984-5, May 71
Gastroscopy and related diagnostic methods in gastric ulcer and carcinoma. Deutsch E.
Gastrointest Endosc 14:43-8, Aug 67
Rugal hypertrophy simulating neoplasm in a hiatus hernia. Kerr RM, et al.
Gastrointest Endosc 14:52-4, Aug 67
Use of direct vision biopsy in the diagnosis of gastroesophageal malignancy. Kobayashi S, et al.
Gastrointest Endosc 18:23-6, Aug 71
Pseudo acute abdomen following gastroscopy. Rastogi H, et al. Gastrointest Endosc 14:16-8, Aug 67
The correlation of target biopsy and contact smear cytology under direct visual control in malignant gastric lesions. Yamakawa T, et al.
Gastrointest Endosc 17:164-8, May 71
Endoscopic biopsy and cytology in esophageal and gastric carcinoma with the fiberesophagoscope. Yoshii Y, et al. Gastrointest Endosc 17:150-2, May 71
Gastric leiomyomas: clinical, x-ray, and gastroscopic features and report of two cases. Clouse JC.
J Am Osteopath Assoc 70:364-8, Dec 70
Irradiation gastritis simulating carcinoma. Lane D.
Med J Aust 2:576-7, 26 Sep 70
Calcifying abdominal masses. Klion FM.
Mt Sinai J Med NY 37:710-8, Nov-Dec 70
The benefits of using cytology in addition to gastric radiology. Cantrell EG. Q J Med 40:239-48, Apr 71
Difficulties in the diagnosis of benign tumours of the stomach. Grădinaru P, et al.
Rom Med Rev 14:79-84, 1970
Modified tetracycline fluorescence test for gastric cancer: preliminary results. Berk JE, et al.
Scand J Gastroenterol 6:169-71, 1971
[Results of prospective studies in verified benign and malignant gastric diseases] Andersen D, et al.
Nord Med 84:1456-9, 12 Nov 70 (Dan)
[The significance of endoscopic research for the differential diagnosis between benign and malignant ventricle disorders. An evaluation of the possibilities of earlier cancer diagnosis] Bisgaard Pedersen A.
Nord Med 85:431-2, 8 Apr 71 (Dan)
[Endoscopic examination of the stomach] Bisgaard Pedersen A. Nord Med 86:827-9, 8 Jul 71 (Dan)
[Gastrointestinal amyloidosis simulating carcinoma of the stomach] Albrechtsen R, et al.
Ugeskr Laeger 133:506-7, 19 Mar 71 (Dan)
[Glomus tumor in the pylorus] Povlsen CO.
Ugeskr Laeger 132:1974-6, 15 Oct 70 (Dan)
[Endoscopic description of tumoral and pseudo-tumoral lesions of the eso-cardial region] Housset P, et al.
Ann Gastroenterol Hepatol (Paris) 6:35-42, Jan-Feb 70 (Fre)
[Presentation of a case of stomach cancer at the onset detected by "systematic mass gastric examination for early detection of cancer of the stomach"] Takahashi K, et al.
Ann Gastroenterol Hepatol (Paris) 6:319-24, Jul-Aug 70 (Fre)
[Fiberscopy in superficial stomach epitheliomas (10 cases)] Liguory C, et al.
Chirurgie 97:138-41, 1971 (Fre)
[1,000 gastroscopies] Rochas B.
J Med Lyon 50:1247-8 passim, 20 Sep 69 (Fre)
[1 observation of gastric reticulosarcoma] Meignié P, et al. Lille Med 14:1036-8, Nov 69 (Fre)
[Atypical forms of cardioesophageal cancers. Apropos of 2 cases] Pinet A, et al.
Lyon Med 225:301-3, 28 Feb 71 (Fre)
[Contribution of electrosplanchnography (E.S.G.) to the preoperative diagnosis of gastric ulceration] Martin A, et al. Presse Med 79:1277-8, 5 Jun 71 (Fre)
[Contribution of exfoliative cytology to the diagnosis of gastric cancer (apropos of 536 swabs)] Rachail-Arnoux M, et al.
Rev Lyon Med 18:455-74, Jul-Aug 69 (Fre)
[Gastric fibroscopy with directed biopsy in 60 patients with gastric cancer] Liguory C, et al.
Sem Hop Paris 47:153-63, 14 Jan 71 (Fre)
[Primary reticulum cell sarcoma of the stomach] Wolf M, et al.
Dtsch Gesundheitsw 26:717-22, 15 Apr 71 (Ger)
[Combined gastro-(esophago-)laparoscopy] Grosse HJ, et al. Dtsch Med J 22:364-6, 1 Jun 71 (Ger)
[Early diagnosis of stomach carcinomas using the gastrocamera] Knöchelmann R.
Dtsch Med J 22:279-80, May 71 (Ger)
[Basis for preventive examinations of stomach neoplasms in Germany] Schäfer PK, et al.
Dtsch Med J 21:998-9, 5 Aug 70 (Ger)
[Early diagnosis of stomach carcinoma] Bartelheimer H. Dtsch Med Wochenschr 95:2449-52, 27 Nov 70 (Ger)
[Expansion of stomach diagnostics using nuclear medicine technics] Fridrich R, et al.
Dtsch Med Wochenschr 95:2261-5, 6 Nov 70 (Ger)
[Endoscopic and biopsy diagnosis of stomach polyps] Rösch W, et al.
Dtsch Med Wochenschr 96:39-40, 1 Jan 71 (Ger)
[Technic of modern gastroscopy] Krentz K.
Dtsch Z Verdau Stoffwechselkr 30:125-9, 1970 (Ger)
[Autoradiographic cytologic detection of tumor cells in stomach cancer] Matzkowski H, et al.
Dtsch Z Verdau Stoffwechselkr 30:133-4, 1970 (Ger)
[Cardia carcinoma or fundus varices? A contribution to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

differential diagnosis] Theophil B.
Fortschr Geb Roentgenstr Nuklearmed 115:122-4, Jul 71 (Ger)
[Gastric camera for the early diagnosis of barely distinguishable gastric carcinoma] Oshima H.
Langenbecks Arch Chir 322:777-90, 1968 (Ger)
[Early diagnosis of stomach carcinoma] Hafer E.
Med Klin 66:537-40, 9 Apr 71 (Ger)
[Early diagnosis of stomach carcinoma] Heinkel K.
Med Klin 66:541-4, 9 Apr 71 (Ger)
[Early diagnosis and preventive examinations in stomach cancer] Junghanss K, et al.
Med Welt 9:319-23, 27 Feb 71 (Ger)
[Diagnostic value of gastroscopy and cytology in gastric carcinoma] Halter F, et al.
Schweiz Med Wochenschr 100:1220-1, 11 Jul 70 (Ger)
[Carcinoma spreading in stomach diseases] Czarnetzki HD, et al.
Z Aerztl Fortbild (Jena) 64:939-43, 15 Sep 70 (Ger)
[The current significance of benzidine test within the scope of stomach diagnosis] Thiele G, et al.
Z Aerztl Fortbild (Jena) 65:313-6, 15 Mar 71 (Ger)
[Differential diagnosis problems in early carcinoma of the stomach] Heuck F, et al.
Z Allgemeinmed 47:1-6, 10 Jan 71 (Ger)
[Aimed biopsy in glass fiber gastroscopy] Bosseckert H, et al.
Z Gesamte Inn Med 26:Suppl:46-8, 1 Mar 71 (Ger)
[First results of a study with the gastrocamera GFB] Gütz HJ.
Z Gesamte Inn Med 26:Suppl:44-5, 1 Mar 71 (Ger)
[Case studies on the differential diagnosis of exogastric tumors] Scherer H, et al.
Zentralbl Chir 96:203-7, 6 Feb 71 (Ger)
[The importance of gastrocytological studies in the diagnosis of gastric cancer] Figus A, et al.
Orv Hetil 111:1863-7, 9 Aug 70 (Hun)
[Organizational proposal concerning the early diagnosis of gastric cancer] Varró V, et al.
Orv Hetil 112:111-2, 10 Jan 71 (Hun)
[Cytologic studies of gastric irrigation fluid. Preliminary studies] Cavazzuti F, et al.
G Clin Med 50:283-91, 4 Apr 69 (Ita)
[Comparative endoscopic and radiological study in diagnosis of hypertrophic gastritis, ulcerative processes and neoplasms of the stomach] Faggioli F, et al. G Clin Med 51:369-80, May 70 (Ita)
[Comparison of cytological and endoscopic findings in the diagnosis of gastric pathology] Recaldin E, et al.
Minerva Chir 25:1296-8, 15 Oct 70 (Ita)
[On glomus tumors of the stomach] Tardito E, et al.
Minerva Chir 26:525-32, 31 May 71 (Ita)
[The contribution of endoscopy-biopsy in gastric pathology] Banche M.
Minerva Med 61:3555-8, 29 Aug 70 (Ita)
[Polyploid tumors of the stomach. Clinico-radiographical considerations apropos of 2 cases with invagination into the duodenum] Azara P, et al. Policlinico [Chir] 76:129-46, Mar-Apr 69 (Ita)
[Diagnostic importance of blood glycoproteins in patients with gastrointestinal and female genital neoplasms] Geranzani O, et al.
Quad Clin Ostet Ginecol 24:229-34, Mar 69 (Ita)
[Possibilities, limitations and indications of scintiscanning with radiotechnetium in the study of gastric carcinoma] Di Maggio C, et al.
Quad Radiol 35:279-302, 26 Oct 69 (Ita)
[Finding of a gastric leiomyoma during cholecystectomy] Esposito S, et al.
Rass Int Clin Ter 50:1374-80, 15 Nov 70 (Ita)
[Submucous tumor of the stomach] Matsudo A, et al.
Iryo 25:53-8, Jan 71 (Jap)
[Case of pseudolymphoma of the stomach clinically suspected to be submucosal tumor] Kubo A, et al.
Jap J Cancer Clin 17:211-6, Mar 71 (Jap)
[Present status of cytopathology in the U.S.A.--with special refeerence to cytologic diagnosis of cancer of the uterus, lung and stomach] Otani H.
Jap J Clin Pathol 19:81-4, Jan 71 (Jap)
[Diagnosis of gastric cancer using improved GFB (gastro-fiberscope) attached with a GM tube] Hika Y, et al. Shujutsu 25:174-82, Feb 71 (Jap)
[Evaluation of gastroendoscopy. Out-patient treatment series (16)] Nagasu K.
Surg Ther (Osaka) 23:454-9, Oct 70 (Jap)
[Polyneuropathy as an early symptom of neoplastic disease] Langauer-Lewowicka H.
Neurol Neurochir Pol 5:259-61, 1971 (Pol)
[Comparative radiological and histological study of a case of chronic atrophic gastritis with neoplastic degeneration] Perotti F.
Recen Clin Cient 38:5-11, Jan-Feb 69 (Por)
[Significance of some clinical and x-ray data in determining the frequency of spread of gastric neoplasms to the pancreas and their mathematical analysis] Ginsburg EM.
Eksp Khir Anesteziol 15:22-7, Nov-Dec 70 (Rus)
[Leiomyoma of the stomach] Goldin VA, et al.
Khirurgiia (Mosk) 47:129-31, Mar 71 (Rus)
[Differential diagnosis of diseases of the esophagus and cardia] Loginov AS, et al.
Khirurgiia (Mosk) 47:26-30, Mar 71 (Rus)
[Surgical diagnosis of stomach cancer] Rodovanets BI.
Klin Khir 9:58-9, Sep 70 (Rus)
[Menetrier's disease and cancer of the stomach] Slinchak SM, et al. Klin Khir 8:26-9, Aug 70 (Rus)
[Reticulosarcoma of the stomach] Gerasimenko VN, et al. Klin Med (Mosk) 49:41-3, Mar 71 (Rus)
[Causes of erroneous diagnosis of stomach cancer in clinical conditions] Shnirel'man AI, et al.
Sov Med 34:76-80, Jan 71 (Rus)
[Gastroscopy of the resected gastric stump] Vasil'ev IuV. Sov Med 34:68-72, Jan 71 (Rus)
[Cytologic diagnosis of stomach cancer by the fluorescent method using acridine orange and ethyl-acridine orange fluorochrome] Vel'iaminov IuB.
Sov Med 33:82-6, 1970 (Rus)
[Metastases of stomach neoplasms to the esophagus and duodenum] Akhmetov MSh, et al.
Vestn Akad Med Nauk SSSR 26:84-8, 1971 (Rus)
[Diagnostic significance of clinical-roentgenologic studies and gastroscopy using gastrobiopsy] Kapitanenko AM, et al.
Voen Med Zh 9:6-10, Sep 70 (Rus)
[The diagnosis of stomach cancer] Aleksandrov NN, et al. Vopr Onkol 17:3-10, 1971 (Rus)
[Tetracycline fluorescence in the diagnosis of lung and stomach tumors] Firsova PP, et al.
Vopr Onkol 16:22-4, 1970 (Rus)
[Differential diagnosis of diseases of the stomach using radioactive phosphorus P32] Vannikov LL, et al.
Vopr Onkol 16:14-8, 1970 (Rus)
[Isolated gastric plasmacytoma] Bukurov S, et al.
Srp Arh Celok Lek 98:311-6, Feb 70 (Ser)
[Endoscopic advances in the diagnosis of digestive carcinoma] Boom R, et al.
Prensa Med Mex 35:145-8, Mar-Apr 70 (Spa)
[Ulcerated lesion of the stomach. Value of the therapeutic test] Bettarello A, et al.
Rev Assoc Med Bras 16:127-30, Apr 70 (Spa)
[Diagnostic value of exfoliative gastric cytology collected under endoscopic control] Pajares Garcén JM, et al. Rev Clin Esp 118:131-6, 31 Jul 70 (Spa)
[Stomach neurinoma] Franquelo Ramos E, et al.
Rev Esp Enferm Apar Dig 33:597-8, 1 Mar 71 (Spa)
[Characteristics and survival in simple exploratory laparotomies in gastric cancer] Garcén Barón A.
Rev Esp Enferm Apar Dig 33:3-18, 1 Jan 71 (Spa)
[Endoscopic diagnosis of stomach cancer] Gil ME.
Rev Esp Enferm Apar Dig 30:695-701, 15 Mar 70 (Spa)
[Gastric cancer. Various clinical aspects in a group of Spanish patients of low social class] Mate Jimenez J, et al.
Rev Esp Enferm Apar Dig 34:41-50, 1 Apr 71 (Spa)
[Fibrogastroscopy in the operated stomach (study of 40 cases)] Tejedor L.
Rev Esp Enferm Apar Dig 33:583-8, 1 Mar 71 (Spa)
[Gastric cytology: personal experience] Zaragosi Moliner J.
Rev Esp Enferm Apar Dig 33:589-96, 1 Mar 71 (Spa)
[Fibergastroscopy in the diagnosis of gastric cancer] Davila M, et al. Rev Med Chil 98:440-4, Jul 70 (Spa)
[Diagnosis and treatment of early stomach cancer in Japan] Dahn I.
Lakartidningen 68:572-6, 3 Feb 71 (Swe)
[Diagnosis of ventricular cancer with exfoliative cytology] Nasiell M. Nord Med 85:432, 8 Apr 71 (Swe)
[Diagnostic error during pregnancy] Kukhtinova RA.
Pediatr Akush Ginekol 1:59-60, Jan-Feb 71 (Ukr)
[Giant follicular lymphoma primary localized in the stomach] Kušić M, et al.
Vojnosanit Pregl 27:343-5, Jul-Aug 70 (Cro)

DRUG THERAPY

[Case contribution to the chemotherapy of stomach carcinomas] Lang W.
Med Welt 9:234-6, 27 Feb 71 (Ger)
[Continuous intra-arterial infusion of antineoplastic agents in cancerous peritonitis, with special reference to cancer] Yoshikawa K, et al.
Jap J Clin Med 29:1022-30, Mar 71 (Jap)
[Local intra-arterial infusion chemotherapy of malignant tumor--successful treatment by intra-arterial infusion of 5-fluorouracil and mitomycin C in cases of unresectable cancer of the liver, stomach, colon and rectum] Miura T, et al.
Naika 27:1275-84, Jun 71 (Jap)
[Present status of chemotherapy in gastric cancer in the USSR] Miura T.
Surg Ther (Osaka) 24:196-203, Feb 71 (Jap)
[Method of applying chemotherapy in cancer of the stomach] Androsov NS, et al.
Klin Khir 4:45-9, Apr 70 (Rus)
[Indications and contraindications to intra-arterial infusion of chemical preparations in stomach cancer] Chernyĭ VA. Klin Khir 10:78-9, Oct 69 (Rus)
[Treatment of neglected forms of cancer of the proximal part of the stomach with 5-fluouracil] Shafkhiev USh. Sov Med 33:57-60, Oct 70 (Rus)
[The basis for regional chemotherapy in stomach cancer] Aleksandrov NN, et al.
Vopr Onkol 16:72-80, 1970 (Rus)
[Chemotherapy in gastric reticulosarcoma] Maur M.
Prensa Med Argent 57:1507-9, 2 Oct 70 (Spa)

ENZYMOLOGY

[The isoenzyme distribution of lactic dehydrogenase in the normal mucosa and in that adjoining the tumor as well as in the cancer tissue of the stomach and colon] Wolff H. Arch Geschwulstforsch 34:188-97, 1969 (Ger)
[Serum cholinesterase activity in stomach carcinoma] Kronberger L, et al.
Osterr Z Erforsch Bekaempf Krebskr 25:349-54, 1970 (Ger)
[Diagnostic significance of the beta-glucuronidase activity in gastric juice] Simon L, et al.
Schweiz Med Wochenschr 101:499-501, 10 Apr 71 (Ger)
[Histochemical studies on activity of phosphorylase of gastric cancer cells in the resected stomach] Kuwano A. J Kumamoto Med Soc 45:145-68, 25 Feb 71 (Jap)
[The diagnostic value of the hexokinase blind test] Maleeva ZV, et al. Vopr Onkol 17:32-7, 1971 (Rus)
[Hexokinase activity in the blood of stomach cancer patients] Podil'chak EM.
Vopr Onkol 17:37-9, 1971 (Rus)
[Changes in serum phosphohexoisomerase and aldolase activity in stomach cancer patients] Krasivskiĭ ZV. Vrach Delo 47-9, Jan 71 (Rus)

ETIOLOGY

Late gastric carcinoma developing after surgery for benign conditions. Endoscopic and histologic studies of the anastomosis and diagnostic problems.
Kobayashi S, et al. Am J Dig Dis 15:995-12, Oct 70
Primary cancer in the gastric stump following gastric resection for benign peptic ulcer. Bilton JL, et al.
Int Surg 56:95-100, Aug 71
Leiomyosarcoma in a renal allograft recipient treated with immunosuppressive drugs. Walker D, et al.
JAMA 215:2084-6, 29 Mar 71
Some contributions to the influence of the autonomic nervous system on the experimental induction of cancer of the stomach. Mizukami T, et al.
Neoplasma 17:649-54, 1970
[Primary cancer of the fundus ventriculi after gastrectomy for ulcers (16 cases)] Stanciu G.
J Radiol Electrol Med Nucl 51:379-83, Jun-Jul 70 (Fre)
[Cancer of the gastric stump, after resection of the stomach for ulcers. 3 survivors after more than 8 years with no sign of recurrence] Saegesser F, et al.
Schweiz Med Wochenschr 100:1871-9, 31 Oct 70 (Fre)
[Degenerated gastric polyposis] Cornet A, et al.
Sem Hop Paris 47:1183-6, 14 Apr 71 (Fre)
[Carcinoma of the stomach remnant after Billroth II operation for fibromyoma of the stomach wall] Uhlmann W.
Z Aerztl Fortbild (Jena) 64:63-8, 15 Jan 70 (Ger)
[Gastric stump carcinoma--a late complication following ulcer resection] Howanietz L, et al.
Zentralbl Chir 96:437-9, 27 Mar 71 (Ger)
[The biology of gastric cancer] Sirtori C.
Minerva Med 61:3575-7, 29 Aug 70 (Ita)
[Primary tumors of the operated stomach] Pavlica P, et al. Quad Radiol 35:7-22, Jan-Feb 70 (Ita)
[3 cases of cancer of the residual stomach after partial gastrectomy] Watanabe R, et al.
Jap J Cancer Clin 16:935-42, Sep 70 (Jap)
[Dietary habits and stomach cancer] Staszewski J.
Nowotwory 21:119-23, Apr-Jun 71 (Pol)
[Cancer in the gastric stump after partial gastrectomy for ulcerous disease] Bogacki W.
Pol Przegl Chir 42:1136-8, Sep 70 (Pol)
[Carcinoma of the gastric stump after partial gastrectomy performed for ulcerous disease] Zimnicki Z, et al. Pol Przegl Chir 43:161-5, Feb 71 (Pol)
[Repeated surgery in malignant degeneration of ulcer after suturing, gastroenterostomy and resection of the stomach] Baev VK. Klin Khir 4:40-4, Apr 70 (Rus)
[Cancer of the gastric stump in patients gastrectomized for duodenal ulcers] Garcia-Moran J.
Bull Soc Int Chir 29:139-41, May-Jun 70 (Spa)

FAMILIAL & GENETIC

Polyposis of the stomach and small intestine in association with familia polyposis coli. Hoffmann DC, et al. Br J Surg 58:126-8, Feb 71
[Model of clonal evolution of the karyotype in neoplastic pleural effusion] Dalia Piccola B, et al.
Arch Ital Patol Clin Tumori 12:3-21, Jan-Jun 69 (Ita)

HISTORY

A history and physical on Napoleon Bonaparte. (Bonaparte N), Courtney JF.
Med Times 99:143-7, Feb 71

IMMUNOLOGY

Serological reactions of cancer patients. Iwasa H, et al.
Bull Tokyo Med Dent Univ 17:293-305, Dec 70
Lymphocytes in cancer patients. Iwasa H, et al.
Bull Tokyo Med Dent Univ 17:281-92, Dec 70
A-like blood group antigen in gastric cancer cells of patients in blood groups O or B. Häkkinen I.
J Natl Cancer Inst 44:1183-93, May 70
Gastric carcinoma. Black MM. Lancet 1:758, 10 Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Lymphocyte sensitisation to nervous-system protein in cancer. De Boer WG. Lancet 2:96, 10 Jul 71
[Evaluation of autologous leucocyte skin test and homologous leucocyte skin test in cancer patients. Comparison with skin test in the other diseases] Tsuda T.
J Kumamoto Med Soc 44:675-91, 25 Aug 70 (Jap)
[Study of opsonizing properties of serum and phagocytic reaction in cancer patients] Kovbasiuk RF. Biull Eksp Biol Med 68:89-92, Sep 69 (Rus)
[Specificity of polysaccharides of stomach cancer tissue in humans] Nazarenko NA.
Biull Eksp Biol Med 68:80-3, Nov 69 (Rus)
[Attempt to detect antitumor antibodies in the serum of cancer patients using the indirect hemagglutination reaction] Ponizovskiĭ MR.
Biull Eksp Biol Med 70:81-2, Aug 70 (Rus)
[Specific antigens in human tumor cells] Paviluchenkova RP, et al.
Vopr Onkol 16:38-44, 1970 (Rus)
[Antigenic changes in gastric carcinoma] Ortiz de Landázuri M, et al.
Rev Clin Esp 118:441-6, 15 Sep 70 (Spa)

METABOLISM

Growth inhibiting effects of cytotoxic agents on human tumor and tumor-bearing normal tissue in vitro. Izsak FC, et al. Eur J Cancer 7:33-9, Feb 71
Immunohistological studies on gastric mucosal glycoprotein in gastric carcinoma. Kawasaki H, et al. Gann 62:171-6, Jun 71
Properties of 1 -acid glycoprotein from ascitic fluids. Horikawa M, et al.
Kitasato Arch Exp Med 43:1-9, Jun 70
Effect of oleic and linoleic acids on the monodesaturation in vitro of stearic acid by the livers of patients suffering from malignant neoplastic diseases. Nakazawa I, et al.
Tohoku J Exp Med 102:283-8, Nov 70
[Accumulation of 15N-labelled cyclophosphamide in tumorous and normal tissue of gastric cancer patients] Wolff H, et al.
Arch Geschwulstforsch 36:253-60, 1970 (Ger)
[Influence of antineoplastic agents on the tissue respiration in transplanted gastric cancer in rabbits, with special reference to the effects on the growth process of transplanted cancer cells] Nagano T.
Acta Med (Fukuoka) 41:143-73, Feb 71 (Jap)
[2 cases of stomach carcinoid and chemical mediator] Abe K, et al. Jap J Cancer Clin 16:950-2, Sep 70 (Jap)
[Stomach cancer; dynamics of the gastric juice secretion in the early stage of stomach cancer] Sato H, et al. Jap J Clin Med 28:2370-5, Oct 70 (15 ref.) (Jap)
[Studies on postoperative magnesium metabolism of patients with gastric cancer. Especially in relation to protein metabolism] Yoshimoto S.
Sapporo Med J 37:133-47, Apr-May 70 (Jap)
[Sodium metabolism in patients with gastric cancer during rest period and the course of reaction to surgical trauma] Oszacki J, et al.
Nowotwory 20:161-5, Jul-Sep 70 (Pol)
[Intravenous loading with 0.9 percent solution of sodium chloride performed in patients with cancer of the stomach. Its effect on sodium and chlorine as well as urine excretion] Oszacki J, et al.
Pol Przegl Chir 42:1660-6, Nov 70 (Pol)
[Serum proteins in the gastric juice in cancer and precancerous diseases of the stomach] Kurtenkov OA. Ter Arkh 42:33-7, Jul 70 (Rus)
[Carbohydrate metabolism in malignant tumors of the esophagus and stomach] Liutynskiĭ IuIu.
Vestn Khir 105:23-7, Jul 70 (Rus)
[Changes in sodium and potassium metabolism in the pre- and postoperative period of stomach cancer patients] Soroka VR, et al.
Vopr Onkol 16:18-21, 1970 (Rus)

MICROBIOLOGY

Virus in human cancer and leukemia. Awano I, et al.
Tohoku J Exp Med 102:233-63, Nov 70
[Gastric microbial flora and its sensitivity to antibiotics following a short-time use of the tetracyclines morphocycline and glycocycline] Gitinov GG, et al.
Antibiotiki 15:743-8, Aug 70 (Rus)

MORTALITY

Relation of gastrointestinal cancer mortality to cancer mortality in general. Gregor O, et al.
Scand J Gastroenterol 6:Suppl 9:79-85, 1971
[Survival time of untreated patients with cancer of the stomach as a function of the nature of the metastasis] Leńczyk M, et al.
Nowotwory 20:199-202, Jul-Sep 70 (Pol)
[Stomach neoplasms--mortality and prognosis of operation] Lundh G. Nord Med 86:883, 22 Jul 71 (Swe)
[Cancer ventriculi. Aspects of diagnosis and pathology in a 20 years material] Ohman U, et al.
Nord Med 84:1344-5, 15 Oct 70 (Swe)

OCCURRENCE

Experience with 1,079 cases of cancer of the stomach seen in Korea from 1962 to 1968. Crane PS, et al.
Am J Surg 120:747-51, Dec 70
Carcinoma of he stomach, colon, and rectum. A survey of 772 surgical biopsies from Malaya. King M, et al.
Br J Surg 58:123-6, Feb 71
Gastric carcinoma in a fixed population: Hiroshima and Nagasaki. Yamamoto T, et al. Gann 61:473-83, Oct 70
Interaction between ABO and rhesus blood groups, the site of origin of gastric cancers, and the age and sex of the patient. Glober GA, et al. Gut 12:570-3, Jul 71
Some aspects of cancer of the stomach in Lebanon. Géddéon EM. J Med Liban 23:527-36, 1970
Chronic gastritis in Japanese with reference to high incidence of gastric carcinoma. Imai T, et al.
J Natl Cancer Inst 47:179-95, Jul 71
Sex ratio of gastric cancer related to site of the tumour. Sterup K, et al.
Scand J Gastroenterol 6:Suppl 9:87-9, 1971
The ABO blood groups and cancer. Lee YT.
Surg Gynecol Obstet 132:1093-7, Jun 71 (70 ref.)
Geographic pathology of oral, esophageal, gastric, and intestinal cancer in Chile. Zaldívar R.
Z Krebsforsch 75:1-13, 20 Nov 70
[Stomach carcinoma. Report of 1963 cases] Vuori J, et al. Duodecim 87:1058-66, 1971 (Fin)
[Statistics on stomach cancer obtained during screening campaign in Japan] Ariga K.
Ann Gastroenterol Hepatol (Paris) 6:307-17, Jul-Aug 70 (Fre)
[Carcinoma of the stomach in the young adult] Bolis GB.
Lav Ist Anat Istol Patol Perugia 29:49-55, 1969 (Ita)
[Critical analysis of 30 cases of early gastric cancer] Hikita T, et al. Iryo 25:178-80, Mar 71 (Jap)

PATHOLOGY

Hypochromic carcinomas and criteria of hypochromic neoplastic cells. (Presentation of a case). Allen AR, et al. Acta Cytol (Baltimore) 13:485-7, Sep 69
The chromosome number of 'hypochromic' cancer cells. Atkin NB.
Acta Cytol (Baltimore) 14:463-4, Sep-Oct 70
Cytology of malignant lymphomas of the stomach. Prolla JC, et al.
Acta Cytol (Baltimore) 14:291-6, May 70
Effect of carcinostatic agents on exfoliated cancer cells of the stomach. Takenaka M, et al.
Acta Cytol (Baltimore) 14:589-94, Nov-Dec 70
Argyrophil cell: hyperplastic, pre-neoplastic and neoplastic proliferations. A preliminary observation. Soga J, et al. Acta Med Biol (Niigata) 18:1-6, Jul 70
Mechanisms of metastasis: an ultrastructural study on the relationship between vasculature and neoplastic cells originating in the mastomys stomach. Tazawa K.
Acta Med Biol (Niigata) 18:219-48, Mar 71
Pathology and prognosis of carcinoma of the stomach. Hawley PR, et al. Br J Surg 57:877-83, Dec 70
Prognostic significance of microscopic structure of gastric carcinomas and their regional lymph nodes. Black MM, et al. Cancer 27:703-11, Mar 71
Neoplastic argentaffin cells in gastric and intestinal carcinomas. Kubo T, et al. Cancer 27:447-54, Feb 71
Gastric polyps. Histologic types and their relationship to gastric carcinoma. Tomasulo J.
Cancer 27:1346-55, Jun 71
Histology of gastric ulcer with reference to criteria of ulcer cancer. Kubo T. Gann 62:1-11, Feb 71
Gastric ulcers. An exercise in armchair pathology. Milles G. Gastroenterology 60:965-6, May 71
Malignant leiomyoblastoma. Report of ninth case. Osteraas GR, et al. Hawaii Med J 30:89-91, Mar-Apr 71
Malignant neoplasms of the stomach. (A review of histologically proven cases seen at Government General Hospital, Madras over the period 1965-'68). Vedachalam SP, et al.
J Assoc Physicians India 18:711-5, Sep 70
Intracellular microcyst in gastric cancer cells. Kondo K, et al. J Electron Microsc (Tokyo) 19:41-9, 1970
Pathology mediquiz. Case 2. Jackson MA.
Med Times 99:96 passim, Mar 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 27-1971.
N Engl J Med 285:103-13, 8 Jul 71
Massive gastrointestinal hemorrhage. Bruno MS, et al.
NY State J Med 71:1213-9, 1 Jun 71
Intestinal metaplasia and multicentric carcinoma of stomach. Karpas CM, et al.
NY State J Med 71:1190-5, 1 Jun 71
Respiratory choristoma of stomach. Tanenbaum B, et al. NY State J Med 71:373-5, 1 Feb 71
Non-epithelial gastric tumors. I. Leiomyosarcoma. Urban A, et al. Pol Med J 8:883-94, 1969
Adenoacanthoma of pyloric antrum of the stomach. Report of a case. Lee YB, et al.
Yonsei Med J 11:60-6, 1970
[Presentation of a case of stomach cancer at the onset detected by "systematic mass gastric examination for early detection of cancer of the stomach"] Takahashi K, et al.
Ann Gastroenterol Hepatol (Paris) 6:319-24, Jul-Aug 70 (Fre)
[Reticulo-plasmocyte sarcoma of the stomach. An anatomic case] Périé G, et al.
Arch Anat Pathol (Paris) 19:65-9, Mar 71 (Fre)
["Myoid" tumor of the stomach] Catanzano G, et al.
Maroc Med 535:303-6, May 70 (Fre)
[Developmental tendencies of intramural myoid stomach tumors (2 cases, 1 of multifocal tumor)] Jouanneau P, et al.
Mem Acad Chir (Paris) 95:211-7, 1969 (Fre)
[Experimental induced tumours in glandular stomach in guinea-pig and rat] Bücheler J, et al.
Beitr Pathol 142:194-209, Feb 71 (Ger)
[Histomorphological studies on the gastric mucosa in tumor proximal and distal areas of gastric carcinoma] Krentz K. Med Klin 66:920-4, 18 Jun 71 (Ger)
[Leiomyoma of the stomach] Markgraf E, et al.
Zentralbl Chir 95:297-301, 28 Feb 70 (Ger)
[Glomus tumor of the stomach. Case report] Ferracini R, et al. Arch Ital Anat Istol Patol 43:315-24, 1970 (Ita)
[Leiomyoblastoma: a pericytic neoplasm. Presentation of 3 cases] Tison V, et al.
Arch Ital Anat Istol Patol 43:281-301, 1970 (Ita)
[Gastric lymphosarcoma] Faggioli F, et al.
Arch Patol Clin Med 45:387-411, Apr 69 (Ita)
[Plasmocytoma of the stomach. Anatomo-clinical considerations] Rossi GN, et al.
Minerva Chir 25:960-70, 15 Jul 70 (Ita)
[Comparative histopathological study of biopsy and surgical specimens of stomach cancer] Amano I, et al.
Jap J Cancer Clin 17:517-28, 1971 (Jap)
[Pathological consideration on small gastric cancer] Kabakino T, et al.
Jap J Cancer Clin 17:529-34, 1971 (Jap)
[Factors related to spreading of gastric cancer influence of serum gamma-globulin value and histological stromal reactions] Kamiyama R, et al.
Jap J Cancer Clin 16:1185-90, 1970 (Jap)
[2 cases of concomitant gastric and gallbladder cancer] Seki M, et al. Jap J Cancer Clin 17:472-9, Jun 71 (Jap)
[Clinicopathological considerations on gastric cancer among young adults] Takamatsu O, et al.
Jap J Cancer Clin 16:910-8, Sep 70 (Jap)
[Case of early gastric cancer of type I revealing rapid development during a short time] Sawabu N, et al.
Naika 26:1154-7, Dec 70 (Jap)
[Histological origin of gastricc cancer, with special reference to chronological changes of gastric mucosa] Nakamura K, et al.
Surg Ther (Osaka) 23:435-48, Oct 70 (Jap)
[Microspectrophotometric study of polymorphic stomach neoplasms] Avtandilov GG, et al.
Biull Eksp Biol Med 71:82-5, Apr 71 (Rus)
[Comparative study of circadian rhythms of mitotic activity in neoplastic and normal tissues] Berezkin MV. Biull Eksp Biol Med 70:83-5, Oct 70 (Rus)
[Distribution of cancer cells in the stomach wall in infiltrative spreading cancer] Khokhlov SD.
Khirurgiia (Mosk) 45:76-80, Sep 69 (Rus)
[Morphological studies of the liver in cancer of the stomach] Burtsev AN. Klin Khir 4:60-3, Apr 70 (Rus)
[Spreading of cancer of the cardiac portion of the stomach beyond the macroscopic limits of the tumor] Baltaitis IuV, et al. Vopr Onkol 17:94-5, 1971 (Rus)
[Comparative characteristics of the intraorganic spread of tumors of the cardia and lower portions of the esophagus] Tikhonov VI.
Vopr Onkol 16:3-7, 1970 (Rus)
[A case of generalized reticulosarcomatosis with fulminant clinical course] Stajić M.
Srp Arh Celok Lek 98:787-91, May 70 (Ser)
[2 calcified leiomyomas of gastric localization] Ruiperez Polo S, et al.
Rev Esp Enferm Apar Dig 32:155-78, Aug-Sep 70 (Spa)
[New technic in the anatomo-pathological study of incipient gastric cancer] Hirsch L, et al.
Rev Med Chil 99:585-8, Aug 71 (Spa)

PHYSIOPATHOLOGY

Electrical activity of the gastric antrum in man. Kwong NK, et al. Br J Surg 57:913-6, Dec 70
Gastric emptying in atrophic gastritis and carcinoma of the stomach. Davies WT, et al.
Scand J Gastroenterol 6:297-301, 1971
Gastric secretion in patients with carcinoma of the cardia. Fischerman K, et al.
Scand J Gastroenterol 6:267-72, 1971
[Lipid composition of the gastric juice in norma l and pathologic conditions] Gandolfi L, et al.
Arch Patol Clin Med 45:484-91, Sep 69 (Ita)
[Invagination of tumors in the stomach and duodenum] Frimann-Dahl J. Nord Med 84:1634, 17 Dec 70 (Nor)
[Intravenous loading with isotonic solutions in patients with cancer of the stomach and ulcerous disease: effect of loading on the volume of circulating blood and the level of blood serum proteins] Marczyńska A, et al. Pol Przegl Chir 42:1653-9, Nov 70 (Pol)
[Functional study of the organs of digestion in patients with stomach cancer] Pechatnikova EA.
Klin Khir 4:50-2, Apr 70 (Rus)
[Functional state of the liver in patients with cancer of the lungs, stomach and ovaries according to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

radioisotope hepatographic data] Starinskiĭ VV. Med Radiol (Mosk) 15:23-30, Jul 70 (Rus)
[Method of multichannel electrogastrography and some results of its clinical use] Krasil'nikov LG, et al. Nov Med Priborostr 1:72-80, 1967 (Rus)
[Study of adrenal cortex function and uropepsinogen in the preoperative preparation of patients with gastric ulcer, cancer and polyposis] Mordvinkina TN. Vestn Khir 105:31-5, Aug 70 (Rus)
[Acid formation in stomach cancer] Leia Iula. Vopr Onkol 16:21-7, 1970 (Rus)

RADIOGRAPHY

Mimicry and deception in the diagnosis of tumors of the gastric cardia. Kaye JJ, et al. Am J Roentgenol Radium Ther Nucl Med 110:295-303, Oct 70
Angiography in a case of carcinoid tumor in the stomach. Andersen JB, et al. Br J Radiol 44:218-20, Mar 71
Clear cell carcinoma of the kidney simulating an intramural gastric tumour. Greendyke WH, et al. Clin Radiol 22:222-4, Apr 71
X-ray diagnosis of cancer in the glandular stomach of rats. Kurihara M, et al. Gann 62:225-9, Jun 71
Analyzing use of diagnostic signs. Slovic P, et al. Invest Radiol 6:18-26, Jan-Feb 71
Radiologic seminar CX: gastric lipoma. Harris EJ. J Miss State Med Assoc 12:398-9, Aug 71
Roentgenologic studies on diseases of the stomach. 4. Radiographic differentiations of benign and malignant ulcers of the stomach. Saito S, et al. Nippon Acta Radiol 30:1091-101, Mar 71
Roentgenologic studies on diseases of the stomach.3. Diagnostic significance of double contrast technique combined with pretreatment and posit- ioning, especially in early or small gastric lesions. Saito S, et al. Nippon Acta Radiol 30:1119-31, Mar 71
Roentgenologic studies on diseases of the stomach. 5. Changes in contour and peristalsis. Saito S, et al. Nippon Acta Radiol 30:1102-18, Mar 71
Advances in diagnostic radiology. Hodes PJ. Postgrad Med 48:79-83, Nov 70
X-ray case of the month. Gasataya J, et al. W Va Med J 67:40, Feb 71
[Traps of the greater curvature of the stomach. An unusual case] Landry M, et al. Ann Radiol (Paris) 13:863-7, 1970 (Fre)
[Pylorus neoplasm] Dony A, et al. J Belge Radiol 51:107-8, 1968 (Fre)
[Ulceriform cancer of the anterior greater curvature of the stomach] Henrion C. J Belge Radiol 54:413-4, May-Jun 71 (Fre)
[Ulcer-like cancer of the stomach] Boustany FN. J Med Liban 23:605-21, 1970 (Fre)
[Benign gastric tumors: anatomo-radioclinical data] Lecomte P, et al. J Radiol Electrol Med Nucl 50:220-2, Mar-Apr 69 (Fre)
[False benign tumor of the upper pole of the stomach. Value of arteriography for diagnosis and treatment] Hivet M, et al. Sem Hop Paris 46:2584-8, 14 Oct 70 (Fre)
[Tumor simulating stomach diseases and their differential diagnosis. 1. Polyetiology of mucosal folds in the gastric mucosa relief] Bürkle G, et al. Fortschr Geb Roentgenstr Nuklearmed 114:237-46, Feb 71 (Ger)
[Exogastric neurinoma confirmed by parietography] Lovrenčic M, et al. Fortschr Geb Roentgenstr Nuklearmed 115:124-6, Jul 71 (Ger)
[Infiltration of a malignant reticulosis into the rear wall of the stomach] Lütgemeier J. Fortschr Geb Roentgenstr Nuklearmed 112:413-4, Mar 70 (Ger)
[X-ray findings in the esophagus, stomach and intestines in hemoblastoses] Schneider R, et al. Med Klin 66:230-8, 12 Feb 71 (Ger)
[Possibilities of detection of gastric cancer at our clinic and hospital radiology department] Gimes B. Orv Hetil 111:1868-73, 9 Aug 70 (Hun)
[Ulcerative fibroleiomyoma of the stomach. Personal case] Arena GC, et al. Minerva Radiol 14:15-9, Jan-Feb 69 (Ita)
[Radiological aspects of leukemic localizations in the digestive tract] Bidoli F, et al. Quad Radiol 35:123-38, 26 Oct 69 (Ita)
[Diagnosis of minute lesions in early gastric cancer with depressed outline] Koga M, et al. Rinsho Hoshasen 16:268-78, Apr 71 (Jap)
[Current concept in gastric ulcer and cancer--with reference to the x-ray test of the stomach] Nishi M, et al. Rinsho Hoshasen 16:255-67, Apr 71 (Jap)
[Radiological diagnosis of gastric cancer not confirmed surgically] Kulicz A, et al. Pol Tyg Lek 26:273-5, 22 Feb 71 (Pol)
[Differential radiographic diagnosis between benign gastric ulcer and ulcerated neoplasms (causes of error and uncertainty; differential signs; their possible interpretation)] Perotti F. Recen Clin Cient 39:162-76, Jul-Aug 70 (Por)
[Critical considerations on the radiological aspect of "standing dead fold" as a sign of gastric cancer in the "useful period"] Miciuția M, et al. Med Interna (Bucur) 23:753-8, Jun 71 (Rum)
[Possibilities and difficulties of radiological examination in the diagnosis of early gastric cancer] Chișleag G, et al. Rev Med Chir Soc Med Nat Iasi 75:315-22, Apr-Jun 71 (Rum)
[Parietography in the determination of inoperability in stomach cancer] Firsov KF. Khirurgiia (Mosk) 46:120-4, Jul 70 (Rus)
[Angiography in diseases of the gastrointestinal tract] Kuzin MI, et al. Khirurgiia (Mosk) 46:14-20, Apr 70 (Rus)
[Experience with selective celiacography in cancer of the stomach] Shekhter IA, et al. Khirurgiia (Mosk) 46:20-5, Apr 70 (Rus)
[X-ray diagnosis of stomach cancer under conditions of artificial hypotonia] Iartsev SG, et al. Klin Med (Mosk) 48:68-72, Oct 70 (Rus)
[X-ray contrasting of the portal system veins in the diagnosis of diseases of the upper abdominal organs] Akmalov MK. Vestn Khir 106:18-22, Mar 71 (Rus)

RADIOTHERAPY

The origin and kinetics of goblet cells in the human jejunum during irradiation. Wiernik G, et al. Br J Radiol 44:348-56, May 71
[Mega-volt therapy of malignant stomach neoplasms] Wieland C, et al. Strahlentherapie 140:20-6, Jul 70 (Ger)
[Preoperative irradiation of gastric cancer--irradiation with or without concurrent drug therapy] Makino K, et al. Jap J Cancer Clin 16:1023-31, Sep 70 (Jap)
[Irradiation during surgery of stomach cancer under local refrigeration] Tanaka T. Jap J Cancer Clin 17:373-5, May 71 (Jap)

REHABILITATION

[Stationary after care of patients with resected stomach cancer] Ahlendorf W, et al. Arch Geschwulstforsch 36:64-75, 1970 (Ger)

SURGERY

Absorption studies after excisional surgery of esophageal and high gastric carcinoma. Inberg MV, et al. Acta Chir Scand 136:509-16, 1970
Sarcomas of the stomach. Cathcart RS 3d, et al. Ann Surg 173:396-402, Mar 71
Use of triethylenethiophosphoramide as an adjuvant to the surgical treatment of gastric and colorectal carcinoma: ten-year follow-up. Dixon WJ, et al. Ann Surg 173:26-39, Jan 71
The importance of lymph-nodes in the assessment of gastric carcinoma at operation. Cantrell EG. Br J Surg 58:384-6, May 71
Large leiomyosarcoma of the stomach cardia treated by gastric-remnant interposition. Case TC. J Am Geriatr Soc 19:86-91, Jan 71
Gastric carcinoma. Lancet 1:586-7, 20 Mar 71
Gastro-colic fistula. Case report and a review of the literature. Anand SV. NS Med Bull 49:189-91, Dec 70
The management of leiomyosarcoma of the stomach. Nance FC, et al. Surg Clin North Am 50:1129-36, Oct 70
End results of gastrectomy for gastric cancer: effect of extensive lymph node dissection. Mine M, et al. Surgery 68:753-8, Nov 70
The current status of operation for gastric carcinoma in Japan and some suggestions for improvement of operative results. Katsura S, et al. Tohoku J Exp Med 102:195-206, Oct 70
[Results of surgical treatment of gastric carcinoma during the past 20 years] Cársky K, et al. Cesk Gastroenterol Vyz 25:147-51, Jun 71 (Cze)
[Prognosis for patients with gastric cancer from the viewpoint of present results] Rapant V. Rozhl Chir 50:105-12, Mar 71 (Cze)
[Final results of 177 total gastrectomies for cancer] Linschoten H. Ned Tijdschr Geneeskd 114:2105-6, 12 Dec 70 (Dut)
[Place of the inferior polar gastrectomy in the treatment of stomach cancer. Critical study of 88 cases statistic] Grenier JF, et al. Arch Fr Mal App Dig 59:824-5, Dec 70 (Fre)
[A series of 100 operated cancers of the stomach with a 5-year follow-up. Remarks and considerations] Roux M, et al. J Chir (Paris) 101:377-88, Apr 71 (Fre)
[Surgical treatment of soft tissue tumors] Cauchon R. Laval Med 41:22-3, Jan 70 (Fre)
[Stomach cancer] Buffat JD. Praxis 59:1682-5, 1 Dec 70 (Fre)
[Clinical problems of gastric stump carcinoma] Kutas J, et al. Bruns Beitr Klin Chir 217:596-603, Dec 69 (Ger)
[Precancerous conditions and benign tumors of the esophagus and stomach] Heberer G, et al. Chirurg 41:107-16, Mar 70 (Ger)
[Long-term postoperative results in early stomach neoplasms and their relapses] Koga S. Chirurg 41:553-60, Dec 70 (Ger)
[Surgical gastroscopy: removal of gastric polyps using a fiber-optic gastroscope] Classen M, et al. Dtsch Med Wochenschr 96:1466-7, 10 Sep 71 (Ger)
[Diffuse leiomyomatosis of the oesophagus] Linder F, et al. Langenbecks Arch Chir 328:42-9, 1970 (Ger)
[Surgical methods and late results in benign stomach neoplasms] Tarbiat S. Langenbecks Arch Chir 322:107-10, 1968 (Ger)
[Surgical treatment of stomach carcinoma and its late results] Schuster G, et al. Med Klin 66:544-7, 9 Apr 71 (28 ref.) (Ger)
[Endoprosthesis in inoperable cardia carcinoma] Lessen H van, et al. Munch Med Wochenschr 112:557-62, 27 Mar 70 (Ger)
[Temporary use of the esophageal endoprosthesis before surgery on recurrent carcinoma after cardiectomy] Sperling E. Thoraxchirurgie 17:102-8, Apr 69 (Ger)
[Our experiences with gastrectomy in the treatment of malignant neoplasms of the stomach] Usbeck W, et al. Zentralbl Chir 96:929-35, 10 Jul 71 (Ger)
[Esophago-jejuno-duodenoplasty after extended total gastrectomy for cancer of the stomach. Remote results] Parma A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:463-6, 1968 (Ita)
[Remote results of esophago-jejuno-duodenoplasty after total gastrectomy for cancer of the stomach. I. Conditions of nutrition and alimentation. Radiological examination of the digestive tract] Parma A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:449-57, 1968 (Ita)
[Remote results of esophago-jejuno-duodenoplasty after total gastrectomy for cancer of the stomach. II. Blood crasis] Parma A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:458-62, 1968 (Ita)
[Value of a palliative exclusion operation in inoperable cancer of the antrum and stomach] Monachello A, et al. Minerva Chir 26:552-3, 31 May 71 (Ita)
[The results of surgical treatment of carcinoma of the stomach] Arisi C, et al. Minerva Med 62:250-4, 20 Jan 71 (Ita)
[General and local criteria of operability of gastric carcinoma] Castrini G. Minerva Med 62:260-3, 20 Jan 71 (Ita)
[Esophago-jejunostomy] Donati GS, et al. Minerva Med 62:247-9, 20 Jan 71 (Ita)
[Re-operations on the stomach] Fegiz GF. Minerva Med 61:3561-2, 29 Aug 70 (Ita)
[Palliative operations and re-operations for recurrences in the surgical treatment of cancer of the stomach] Mazzeo F, et al. Minerva Med 62:257-60, 20 Jan 71 (Ita)
[Surgical treatment of carcinoma of the stomach] Nicolosi G. Minerva Med 62:237-40, 20 Jan 71 (Ita)
[Radical operations] Piacitelli G. Minerva Med 62:244-6, 20 Jan 71 (Ita)
[General and local problems of the operative tactics in gastric carcinoma in relation to the evolutive stage of the neoplasm] Puglionisi A. Minerva Med 62:240-4, 20 Jan 71 (Ita)
[Cancer of the stomach] Tagliacozzo S. Minerva Med 62:246-7, 20 Jan 71 (Ita)
[On the reconstruction of the digestive tract after total gastrectomy. Technical aspects and physiopathologic evaluations on esophago-duodenostomy] Nocentini P, et al. Omnia Med Ther 47:857-907, Oct-Dec 69 (Ita)
[Jejunal interposition in total gastrectomy for gastric neoplasms. Clinical and radiological considerations] Ciucci O, et al. Osp Ital Chir 22:13-21, Jan 70 (Ita)
[Factors affecting long-term results of surgical therapy of gastric cancer. Study of 448 cases subjected to surgery over five years beforehand] Pizzetti F, et al. Osp Ital Chir 22:77-97, Feb 70 (Ita)
[Surgical possibilities in recurrent stomach cancer] Santangelo ML, et al. Rass Int Clin Ter 51:604-20, 31 May 71 (Ita)
[General and local problems of operative tactics in gastric carcinoma in relation to the evolutive stage of the neoplasm] Puglionisi A. Recent Progr Med (Roma) 49:XLV+, Oct 70 (Ita)
[On paraneoplastic cerebellar atrophy. Apropos of a case gastrectomized for gastric cancer] Dazzi P, et al. Riv Sper Freniatr 94:251-72, 30 Apr 70 (Ita)
[Surgical consideration on early gastric cancer] Sakuma A. Jap J Cancer Clin 17:46-50, 1971 (Jap)
[Anesthetic control during surgery of stomach cancer] Ito Y. Shujutsu 24:1307-14, Oct 70 (Jap)
[Site-specific characteristics of gastric cancer from the standpoint of postoperative results and therapeutic problems--with special reference to cancer of the middle and lower part of the stomach] Koga S, et al. Shujutsu 25:328-34, Mar 71 (Jap)
[2 cases of giant gastric polyp prolapsing into the duodenum] Kita R, et al. Surg Ther (Osaka) 24:598-603, May 71 (Jap)
[Follow-up results of stomach cancer treated at the Department of Surgery, Kurume Medical College Hospital] Wakisaka J, et al. Surg Ther (Osaka) 23:363-9, Oct 70 (Jap)
[Sodium metabolism in patients with gastric cancer during rest period and the course of reaction to surgical trauma] Oszacki J, et al. Nowotwory 20:161-5, Jul-Sep 70 (Pol)
[Assessment of the results of treatment of gastric

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cancer after palliative resection] Leńczyk M, et al. Pol Przegl Chir 42:1331-5, Sep 70 (Pol)
[Case of megaloblastic anemia in a patient following total gastrectomy for carcinoma of the stomach] Obrowska D. Pol Przegl Chir 42:1852-4, Dec 70 (Pol)
[Benign tumors of the stomach and duodenum] Machońko A. Poznan Tow Przyj Nauk Wydz Lek 38:107-28, Apr 68 (Pol)
[Dynamics of the cardiac cycle phases in surgical intervention with light endotracheal anesthesia using exogenous corticosteroids] Ibragimov MK, et al. Eksp Khir Anesteziol 15:64-8, Nov-Dec 70 (Rus)
[Metastasis of cancer from the cardiac portion of the stomach and choice of the extent of radical surgery] Berezov IuE, et al. Grudn Khir 13:93-100, Mar-Apr 71 (Rus)
[Cancer of the gastric stump after surgery for peptic ulcer and some peculiarities of its surgical treatment] Astrozhnikov IuV. Khirurgiia (Mosk) 45:61-6, Sep 69 (Rus)
[Parietography in the determination of inoperability in stomach cancer] Firsov EF. Khirurgiia (Mosk) 46:120-4, Jul 70 (Rus)
[Plastic resection of the stomach and gastrectomy] Ivanov VA, et al. Khirurgiia (Mosk) 46:25-30, Apr 70 (Rus)
[Cancer of the gastric stump 19 years after its resection for sarcoma] Komarov AS. Khirurgiia (Mosk) 45:131-3, Sep 69 (Rus)
[Complications of gastric surgery in elderly patients] Leont'eva NS, et al. Khirurgiia (Mosk) 46:46-50, Jun 70 (Rus)
[Conservation of the vagus nerve in gastrectomy] Masiukova EM, et al. Khirurgiia (Mosk) 46:39-42, Jun 70 (Rus)
[Determination of the extent of radical surgery in cancer of the cardiac portion of the stomach] Matiashin IM, et al. Khirurgiia (Mosk) 45:57-61, Sep 69 (Rus)
[Extent of resection of the stomach in cancer and remote therapeutic results] Olina II, et al. Khirurgiia (Mosk) 45:71-6, Sep 69 (Rus)
[Extent of surgery in stomach cancer] Peterson BE. Khirurgiia (Mosk) 46:8-14, Apr 70 (Rus)
[Treatment of cancer of the proximal portion of the stomach] Peterson BE. Khirurgiia (Mosk) 45:46-52, Sep 69 (Rus)
[Surgical approaches to organs situated under the left dome of the diaphragm] Ratner IuA. Khirurgiia (Mosk) 47:107-9, Mar 71 (Rus)
[Combined surgery for cancer of the stomach] Sagaĭdak VN. Khirurgiia (Mosk) 45:66-71, Sep 69 (Rus)
[Late results of treatment for stomach cancer] Shuster LA. Khirurgiia (Mosk) 47:79-85, Mar 71 (Rus)
[Disturbances in esophageal function after resection of the proximal part of the stomach for cancer] Nikolaev NO, et al. Klin Khir 9:5-8, Sep 70 (Rus)
[Incidence of remote postoperative complications following radical surgery for stomach cancer] Patiutko Iul. Klin Med (Mosk) 49:61-5, Jan 71 (Rus)
[Gastric resection in patients with an artifical esophagus constructed from the small intestine] Vinogradova OI, et al. Sov Med 34:72-6, Jan 71 (Rus)
[Extra- and intrasecretory function of the pancreas in remote periods after gastric resection for cancer] Nadzharov AG, et al. Ter Arkh 42:92-4, Jun 70 (Rus)
[16-year favorable result of surgery for recurrence of cancer of the stomach stump] Komarov AS. Vestn Khir 103:113-4, Jun 69 (Rus)
[Puncture biopsy of the liver in the diagnosis of metastasis from stomach cancer] Konovalov NI. Vestn Khir 103:44-7, Jun 69 (Rus)
[The results of surgical treatment of patients with cancer of the cardia region of the stomach and esophagus] Doronin FN, et al. Vopr Onkol 16:86-90, 1970 (Rus)
[Curettage of inoperable cancer in the esophagus-cardia region] Agerup H. Nord Med 85:217, 18 Feb 71 (Swe)
[3 cases of total gastrectomy] Jovan B, et al. Med Glas 23:161-4, Sep-Dec 69 (Cro)

THERAPY

[Our experience with the treatment of inoperable cardioesophageal cancer by endoprosthesis] Dobrev Ia, et al. Khirurgiia (Sofiia) 22:437-42, 1969 (Bul)
[Value of endoprostheses in the palliative treatment of inoperable esophageal and cardial neoplasms] Clauss D, et al. Zentralbl Chir 96:602-7, 1 May 71 (Ger)
[Kinetic method for a comparative evaluation of the effectiveness of new methods of treating human stomach cancer] Emanuél' NM, et al. Izv Akad Nauk SSSR [Biol] 5:777-83, Sep-Oct 67 (Rus)
[Combined treatment of patients with inoperable stomach cancer] Starichkov MS, et al. Vopr Onkol 16:90-4, 1970 (Rus)

VETERINARY

Spontaneous gastric adenocarcinomas of dogs: a review. Lingeman CH, et al. J Natl Cancer Inst 47:137-53, Jul 71 (124 ref.)
[Gastric reticuloendothelioma in the dog] Addis F. Acta Med Vet (Napoli) 15:611-9, Nov-Dec 69 (Ita)

STOMACH, RUMINANT (A13)

DRUG EFFECTS

[The effect of mediators on the motor activity of the multichamber stomach] Nguyen-man-Binh. Nerv Sist 10:51-6, 1969 (Rus)
[Effect of oxytocin and pituitrin on the motor activity of the ruminant stomach] Nguyen-man-Bing. Vestn Leningr Univ [Biol] 4:100-4, Nov 69 (Rus)
[Effect of benzohexonium on the motor function of the digestive organs] Sokur VD, et al. Veterinariia 6:69-70, Jun 70 (Rus)

EMBRYOLOGY

[Functional significance of the histological structures of the sheep stomach in embryogenesis] Davletova LV. Dokl Akad Nauk SSSR 185:1193-6, 11 Apr 69 (Rus)

ENZYMOLOGY

[Histochemical, electron microscopic and biochemical studies on ATPases in the forestomach epithelium of goats] Schnorr B. Z Zellforsch Mikrosk Anat 114:365-89, 1971 (Ger)

METABOLISM

Use of 103Ru-labelled tris (1,10-phenanthroline) ruthenium (II) chloride as a marker in digestion studies with sheep. Tan TN, et al. Int J Appl Radiat Isot 22:301-8, May 71
Preintestinal disappearance of vitamin E in ruminants. Alderson NE, et al. J Nutr 101:655-9, May 71
[Hydrolysis of long-chain triglycerides in the rennet of preruminant calf] Feliński L, et al. Bull Acad Pol Sci [Biol] 18:733-7, 1970 (Fre)

PHYSIOLOGY

Movements of the stomach compartments of a young bull during sucking. Kay RN, et al. Br J Nutr 26:301-9, Sep 71
Feed intake of goats during volatile fatty acid injections into four gastric areas. Baile CA, et al. J Dairy Sci 53:1058-63, Aug 70
The dorsal nucleus of the vagus as a centre controlling gastric motility in sheep. Howard BR. J Physiol (Lond) 206:167-80, Jan 70
The effects of sucking on the motility of the forestomach in young ruminants. Kay RN, et al. J Physiol (Lond) 214:34P-35P, Apr 71
[Spontaneous activity of the superior esophageal sphincter in sheep. Its variations during swallowing and rumination] Car A, et al. J Physiol (Paris) 62:505-11, Nov-Dec 70 (Fre)
[Influence of fodder on rumination in cattle and sheep] Ruckebusch Y. Monatsh Vet Med 25:184-91, 1 Mar 70 (Ger)
[Morphologic and physiologic changes of the calf-stomach in early weaning] Hänlein G, et al. Z Tierphysiol 21:327-37, Oct 66 (176 ref.) (Ger)
[The gastric motility of the llama] Ehrlein HJ, et al. Zentralbl Veterinaermed [A] 18:181-91, May 71 (Ger)

RADIATION EFFECTS

Radiation dose to the gastrointestinal tract of sheep fed an isoluble -emitter. Wade L Jr, et al. Health Phys 19:57-8, Jul 70

STOMACH RUPTURE (C4, C14)

[Rupture of stomach in a man with cavernomatous transformation of portal vein] Harefuah 78:620, 15 Jun 70 (Heb)

CHEMICALLY INDUCED

[Gastric perforation due to potassium chloride pills] Aoustin J, et al. Chirurgie 96:172-3, 1970 (Fre)

DIAGNOSIS

Pseudo acute abdomen following gastroscopy. Rastogi H, et al. Gastrointest Endosc 14:16-8, Aug 67

ETIOLOGY

Complete rupture of the stomach in closed abdominal injury. A report of 3 cases. Greig MT. Aust NZ J Surg 33:218-21, Feb 64
Perforation of a gastric remnant following fiber-optic gastroscopy. Sanders MG, et al. Gastrointest Endosc 17:186-7, May 71
[2 cases of necrosis of the stomach with perforation during acute dilatation in patients with plaster corsets] Letac R, et al. Ann Chir Infant 12:101-6, Mar-Apr 71 (Fre)
[The stomach and bowel perforations due to blunt abdominal trauma] Rückert U, et al. Bruns Beitr Klin Chir 218:464-8, Feb 71 (Ger)
[An unusual complications of esophagoscopy] Steinmann EP. HNO 19:87-9, Mar 71 (Ger)
[Rupture of the stomach in closed abdominal injuries. (Clinical study)] Jovine A, et al. Acta Chir Ital 27:45-56, Jan-Mar 71 (Ita)
[Perforation of gastric cancer into the free peritoneum] Negrone G, et al. Rass Int Clin Ter 50:763-74, 30 Jun 70 (Ita)

MORTALITY

[Acute gastroduodenal ulcer perforation. Analysis of the operative mortality in a series of 174 cases treated with simple suture or by 2-level gastrectomy] Deschreyer M. Acta Chir Belg 68:157-83, Mar 69 (Fre)

SURGERY

[Long term results of 66 acute gastroduodenal ulcer perforation treated by siple uture] Deschreyer M. Acta Chir Belg 68:184-94, Mar 69 (Fre)
[On clod traumas of the abdomen: anatomical, clinical, therapeutic and urgical considerations on some cases of gastric lesions due to rupture] Luccioni L, et al. Ann Ital Chir 45:226-41, 1969 (Ita)
[Experience in extensive resection of the small intestine with construction of various anastomoses] Senlutovich VF, et al. Vestn Khir 105:66-70, Sep 70 (Rus)

STOMACH ULCER (C4)

Benign giant gastric ulcer. Luiu DJ. Am Surg 37:357-62, Jun 71
Prolonged follow-up of gastric ulcer by gastroscopy. Report of a case. Elizalde R de. Gastrointest Endosc 14:26-7, Aug 67
Chronic fear and ulcers in rats as a function of the unpredictability of safety. Seligman ME, et al. J Comp Physiol Psychol 73:202-7, Nov 70
[Gastric ulcer during pregnancy] Kaïris NM, et al. Gynecol Obstet (Paris) 70:189-94, Mar-Apr 71 (Fre)
[19 cases of gastroduodenal ulcer. Outline of the psychological profile of ulcer patients] Morati-Gentile de. Rev Corps Sante Armees 10:51-61, Feb 69 (Fre)
[Atypically located hemorrhagic ulcers of the gastric body] Bodin F. Sem Hop Paris 47:186-9, 14 Jan 71 (Fre)
[Postoperative acute ulcers] Ballario F, et al. Arch Sci Med (Torino) 126:986-92, Nov 69 (Ita)
[Studies on gastric ulcer in the aged] Mori K, et al. J Jap Soc Intern Med 60:215-23, Mar 71 (Jap)
[Some problems in recurrence of gastric ulcer] Takamura Y, et al. Naika 28:168-72, 1971 (Jap)
[Ulcers of the cardial part of the stomach] Pechatnikova EA. Khirurgiia (Mosk) 46:102-6, Aug 70 (Rus)
[Gigantic gastric ulcer (considerations on 16 cases)] Montero-Garcia M, et al. Rev Esp Enferm Apar Dig 34:365-74, 15 May 71 (Spa)
[Large gastric ulcus. Development and treatment] Zaragoza Garcia P. Rev Esp Enferm Apar Dig 32:873-84, 15 Dec 70 (Spa)
[Disputed aspects of gastric ulcer] Rev Med Chil 98:468-9, Jul 70 (Spa)

BLOOD

Circulating plasma proteins in patients with gastric and duodenal ulcer. Adamczyk B, et al. Pol Med J 8:1025-9, 1969
[Distribution of ABO blood groups and the presence of group substance in the saliva of patients with gastric and duodenal ulcer] Belec C, et al. Pol Arch Med Wewn 46:557-62, May 71 (Pol)
[Intravenous loading with isotonic solutions in patients with cancer of the stomach and ulcerous disease: effect of loading on the volume of circulating blood and the level of blood serum proteins] Marczyńska A, et al. Pol Przegl Chir 42:1653-9, Nov 70 (Pol)
[The coagulogram and thromboelastogram in peptic ulcer patients] Alimov TU, et al. Khirurgiia (Mosk) 46:54-8, Jun 70 (Rus)

CHEMICALLY INDUCED

A method for experimental, penetrating gastric and duodenal ulcers in rats. Observations on normal healing. Okabe S, et al. Am J Dig Dis 16:277-84, Mar 71
Gastric mucosal ulceration after epinephrine. A study of etiologic mechanisms. Sethbhakdi S, et al. Am J Dig Dis 15:1055-65, Dec 70
Comparison of gastric toxicity of acetylsalicylic acid with route of administration in the rat. Pfeiffer CJ, et al. Arch Int Pharmacodyn Ther 190:5-13, Mar 71
The production of chronic gastritis and ulceration in the glandular stomach of rats by iodoacetamide (IAM). Yasin R, et al. Eur J Cancer 6:425-32, Oct 70
Differential healing periods of the acetic acid ulcer model in rats and cats. Okabe S, et al. Experientia 27:146-8, 15 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Gastric ulcer and the anti-arthritic drugs. Emmanuel JH, et al. Postgrad Med J 47:227-32, Apr 71
[Histological changes of the gastric wall in dogs submitted to the action of phenylbutazone] Barroy JP, et al.
Acta Gastroenterol Belg 33:469-81, Jul 70 (Fre)
[Soluble and injectable aspirin (lysine acetylsalicylate). Contribution to the study of digestive accidents with acetylsalicylic acid] Aron E, et al. Arch Fr Mal App Dig 59:573-88, Sep 70 (Fre)
[Action of Vichy water on various experimental effects of serotonin in rats. I. Ulcerogenic gastric effect. II. Action on the isolated colon] Debray C, et al.
Presse Therm Climat 106:169-73, 1969 (Fre)
[Production of experimental gastric ulcer in rats] Monacelli R, et al.
Pathologica 61:373-86, Nov-Dec 69 (Ita)
[Effect of vitamin C on the formation of the so-called glucose gastric ulcer] Rokicki W.
Przegl Lek 28:405-8, 1971 (Pol)
[Functional and morphological aspects of the mechanisms of histamine ulcer of the stomach] Lipovskif SM, et al.
Patol Fiziol Eksp Ter 14:63-8, Jul-Aug 70 (Rus)
[Gastroduodenal complications as a result of using corticosteroid and pyrapolydine agents] Angelov AG, et al. Vestn Khir 106:116-9, Jan 71 (Rus)
[Stomach ulcers in children after treatment with steroid hormones] Artamonov IuA.
Vestn Rentgenol Radiol 45:96-7, Jan-Feb 70 (Rus)
[Gastric ulcer potential of pyramidon derivatives] Kohan S, et al.
Rev Esp Enferm Apar Dig 31:81-8, 1 Apr 70 (Spa)
[Metabolic disposition for phenylbutazone in relation to its ulcerogenic effect in rats of different age] Kohát A, et al.
Cesk Gastroenterol Vyz 25:47-51, Mar 71 (Slo)

COMPLICATIONS

Free perforation of a gastrocolic fistula. Ger R, et al.
Am J Surg 122:115-6, Jul 71
Experiences with surgical management of acute gastric mucosal hemorrhage: a unified concept in the pathophysiology. Drapanas T, et al.
Ann Surg 173:628-40, May 71
Natural history and surgical dilemma of "stress" gastric bleeding. Lucas CE, et al.
Arch Surg 102:266-73, Apr 71
Gastric ulcer penetrating the left ventricle. MacGillivray JB, et al. Br J Surg 58:154-5, Feb 71
Abdominal aortic aneurysm and peptic ulcer. Prokter GJ. Br Med J 2:166, 17 Apr 71
An unusual complication of gastric ulcer. Rho YM. Can Med Assoc J 104:705-6, 17 Apr 71
Coexistent duodenal and gastric ulceration in a five-year-old boy. Savage DC.
Clin Pediatr (Phila) 9:742-4, Dec 70
Peritonitis caused by candida albicans. Montemartini C, et al. Digestion 3:368-71, 1970
Healing of malignant gastric ulcers. MacDonald WC. Gastroenterology 60:984-5, May 71
Pyloric incompetence in chronic non-specific lung disease. Beeley M, et al. Gut 12:102-6, Feb 71
Complications in sickle-cell trait. Smith EB.
J Natl Med Assoc 62:334-6, Sep 70
Chronic gastritis and gastric ulcer. Gear M, et al.
J Pathol 101:P8, Aug 70
Gastrojejunocolic fistula secondary to benign ulcer. Blumen LJ, et al. JAMA 214:2335-6, 28 Dec 70
Combined gastric and duodenal ulcers. Bateson EM. Lancet 2:707-8, 25 Sep 71
Congenital absence left lobe of the liver associated with gastric ulcer: report of a case. McCurdy RW. Milit Med 135:281-3, Apr 70
Gastrocolic fistula secondary to a benign gastric ulcer: a case report and a review of the literature. Haimov M, et al. Mt Sinai J Med NY 38:400-4, Jul-Aug 71
An apparent exception to Schwarz's dictum, "no acid--no ulcer". Isenberg JI, et al.
N Engl J Med 285:620, 9 Sep 71
Gastrojejunocolic fistula due to benign gastric ulcer with no prior surgery. Friedman IH, et al.
NY State J Med 71:884-8, 15 Apr 71
Carcinogenic action of 2,7-diacetylaminofluorene on the stomach of rats with experimental gastric ulcer. Kowalewski K, et al.
Scand J Gastroenterol 6:323-8, 1971
[Perforation of a stomach ulcer in association with acute appendicitis in a 12-year-old child] Dimitrov D.
Khirurgiia (Sofiia) 21:585-6, 1968 (Bul)
[Perforated gastric ulcer with hemoperitoneum] Jensen EG. Ugeskr Laeger 132:2527-9, 31 Dec 70 (Dan)
[Staged gastric and duodenal ulcers. Study of 77 cases] Lagache G, et al.
Acta Chir Belg 68:262-75, Apr 69 (Fre)
[Severe gastric hemorrhages caused by microexulceration and inaparent arterial erosion] Ladouch A, et al. Presse Med 79:1331-6, 12 Jun 71 (Fre)
[Ulcer of the neck on a hiatal hernia] Christien G, et al.
Sem Hop Paris 46:2572-5, 14 Oct 70 (Fre)
[Circumferential ulcer of the cardia causing esophago-gastric stenosis] Simon GC.
Sem Hop Paris 46:2567-71, 14 Oct 70 (Fre)
[Perforation of a stomach ulcer into the left heart ventricle] Grosse H.
Dtsch Gesundheitsw 25:807-8, 31 Mar 70 (Ger)
[Metastasizing leiomyoblastoma of the stomach with long survival] Frodl FK.
Fortschr Geb Roentgenstr Nuklearmed 11:112-4, Jan 70 (Ger)
[A rare complication after suturing a perforated stomach ulcer] Staffen A.
Wien Klin Wochenschr 83:51-3, 22 Jan 71 (Ger)
[Problems in Dieulafoy's superficial ulceration] Plettner U. Zentralbl Chir 96:187-9, 30 Jan 71 (Ger)
[Surgery for acute stomach perforation] Tóth C.
Orv Hetil 111:3071-3, 27 Dec 70 (Hun)
[Radiological aspects of the so-called "pyloric canal syndrome"] Piacanica A, et al.
Nunt Radiol 35:301-21, Apr 69 (Ita)
[Experimental study of gastric ulcer-cancer--effect of N-methyl-N'-nitro-N-nitrosoguanidine (NG) in rats with experimental chronic ulcer] Oara T.
Jap J Cancer Clin 17:543-50, 1971 (Jap)
[Case of chronic myeloleukemia associated with acute appendicitis and multople gastic ulcer] Kurotaki Y, et al. Naika 28:363-9, 1971 (Jap)
[Concurrent gastric and duodenal ulcers] Kitabatake T, et al. Rinsho Hoshasen 16:107-12, Feb 71 (Jap)
[Intramural neurilemmoma of the stomach complicated by an ulceration and bleeding] Kwiatkowski C, et al.
Pol Przegl Chir 42:1855-7, Dec 70 (Pol)
[Lipoma coexisting with stomach ulcer] Kwiatkowski C, et al. Pol Przegl Chir 43:515-7, Mar 71 (Pol)
[Case of a tumor-like gastritis associated with gastric ulcer] Gladysz A, et al.
Pol Tyg Lek 26:22-3, 4 Jan 71 (Pol)
[Coexisting gastric and duodenal ulcers] Kulicz A, et al.
Pol Tyg Lek 26:994-6, 28 Jun 71 (Pol)
[Gastric and duodenal ulcer in our personal data] Pieniężny Z, et al. Wiad Lek 23:2063-6, 1 Dec 70 (Pol)
[Gastric resection for peptic ulcer in a female with complete situs inversus] Veselov VS, et al.
Khirurgiia (Mosk) 46:136-7, Jun 70 (Rus)
[Outcomes of gastric resection for peptic ulcer in patients who had sustained brain injury prior to surgery] Startsev IV, et al.
Klin Med (Mosk) 49:51-5, Jan 71 (Rus)
[Association of chronic hepatitis and liver cirrhosis with stomach or duodenal ulcers] Zherebtsov LA.
Klin Med (Mosk) 49:94-8, Jan 71 (Rus)

DIAGNOSIS

Morphology of exfoliated cells in benign gastric ulcer. Prolla JC, et al.
Acta Cytol (Baltimore) 15:128-32, Mar-Apr 71
Gastric ulcers: a comparison of surgical, radiological, and pathological diagnosis. Barson AJ, et al.
Br J Surg 57:926-30, Dec 70
The value of a combined pentagastrin-insulin test in studies of stomal ulceration. Venables CW.
Br J Surg 57:757-61, Oct 70
Gastroscopy and related diagnostic methods in gastric ulcer and carcinoma. Deutsch E.
Gastrointest Endosc 14:43-8, Aug 67
Assessment of the value of gastroscopy in the diagnosis of gastric ulcer. Palmer ED.
Gastrointest Endosc 14:11-2 passim, Aug 67
The difference between peptic ulcer of the stomach and peptic ulcer of the duodenum. Ravitch MM.
Med Times 98:227-8, Nov 70
[Diagnosis and differential diagnosis of ulcers--using the gastroscope and the gastrocamera] Krag E.
Nord Med 85:193-4, 11 Feb 71 (Dan)
[Contribution of electrosplanchnography (E.S.G.) to the preoperative diagnosis of gastric ulceration] Martin A, et al. Presse Med 79:1277-8, 5 Jun 71 (Fre)
[The influence of age factors on duration, drug use and rate of complications in the diseases: pneumonia, essential hypertension, peptic ulcer and acute cholecystitis] Weber K, et al.
Dtsch Gesundheitsw 26:492-6, 11 Mar 71 (Ger)
[Autoradiographic cytologic detection of tumor cells in stomach cancer] Matzkowski H, et al.
Dtsch Z Verdau Stoffwechselkr 30:133-4, 1970 (Ger)
[An endoscopic follow-up study in gastric ulcer] Clémençon G.
Schweiz Med Wochenschr 100:1215-6, 11 Jul 70 (Ger)
[The current significance of benzidine test within the scope of stomach diagnosis] Thiele G, et al.
Z Aerztl Fortbild (Jena) 65:313-6, 15 Mar 71 (Ger)
[First results of a study with the gastrocamera GFB] Götz HJ.
Z Gesamte Inn Med 26:Suppl:44-5, 1 Mar 71 (Ger)
[The contribution of endoscopy-biopsy in gastric pathology] Banche M.
Minerva Med 61:3555-8, 29 Aug 70 (Ita)
[Augmented histamine test] Odberg T, et al.
Tidsskr Nor Laegeforen 90:2254-7, 15 Dec 70 (Nor)
[Diagnosing multiple stomach ulcers] Kulicz A, et al.
Pol Przegl Chir 42:1793-6, Dec 70 (Pol)
[Gastroscopy of the resected gastric stump] Vasil'ev IuV. Sov Med 34:68-72, Jan 71 (Rus)
[Differential diagnosis of diseases of the stomach using radioactive phosphorus P32] Vannikov LL, et al.
Vopr Onkol 16:14-8, 1970 (Rus)
[Ulcerated lesion of the stomach. Value of the therapeutic test] Bettarello A, et al.
Rev Assoc Med Bras 16:127-30, Apr 70 (Spa)
[Peptic ulcer in children. Clinical experience and study of gastric secretion] Danus O, et al.
Rev Chil Pediatr 38:322-6, May 67 (Spa)
[Krukenberg's tumor] Piñas Gonzalez J.
Rev Esp Enferm Apar Dig 33:661-2, 1 Mar 71 (Spa)
[Malignant and benign stomach ulceration. differential diagnosis possibilities with radiologic studies and gastric photography] Gabrielsson N.
Nord Med 85:158-9, 4 Feb 71 (Swe)

DRUG THERAPY

Effect of aminoguanidine, chlorpromazine and NSD-1055 on gastric secretion and ulceration in the Shay rat. Radwan AG, et al.
Br J Pharmacol 41:167-9, Jan 71
A comparative investigation of the effects of specific psychotropic agents on immobilization-induced ulcer. Möllmann H, et al.
Int Z Klin Pharmakol Ther Toxikol 4:361-72, Apr 71
The effect of 2:2-diphenyl-4-N-hexamethyleniminо-butyramide methiodide on experimental chronic ulcer in glandular stomach of rats. Hisamatsu T, et al.
Jap J Pharmacol 21:139-54, Apr 71
The efficacy of a bismuth-protein-complex compound in the treatment of gastric and duodenal ulcers. Weiss G, et al. S Afr Med J 45:467-70, 24 Apr 71
[Trial of R. 306 in gastric pathology] Kressmann P, et al.
J Med Lyon 50:869-70 passim, 20 May 69 (Fre)
[Conservative therapy of the gastric and duodenal ulcer] Ottenjann R.
Dtsch Med Wochenschr 95:2441-2, 27 Nov 70 (Ger)
[Experience with sodium carbenoxolone] Kunz O.
Med Klin 66:822-5, May 71 (Ger)
[Treatment of florid gastroduodenal ulcers with Carbenoxolon before stomach resection] Lenz J, et al.
Med Klin 66:553-5, 9 Apr 71 (Ger)
[Ambulatory treatment of stomach ulcer and duodenal ulcer in general practice)] Gayde G.
Z Allgemeinmed 46:940-2, 30 Jun 70 (Ger)
[Action of guanosine and antacids on experimental gastric ulcer induced by reserpine] Dominici A, et al.
Boll Chim Farm 109:436-40, Jul 70 (Ita)
[Early experiences on the effect of chlorcamphamide in gastro-duodenal ulcer] Ilić I, et al.
Clin Ter 54:295-304, Aug 70 (Ita)
[Oxyferriscorbone in the therapy of ulcer] Dubarry JJ.
G Clin Med 51:543-4, Jun 70 (Ita)
[Urogastrone therapy in gastroduodenal ulcer] Babando GM.
Minerva Gastroenterol 16:171-80, Oct-Dec 70 (Ita)
[Action of a new synthetic drug, chlorocamphamide, on experimental ulcer and on gastric secretion in the rat] Ganzina F. Minerva Med 61:4559-65, 13 Oct 70 (Ita)
[Influence of vitamin A on experimental gastric ulcer in rats] Monacelli R, et al.
Pathologica 61:387-95, Nov-Dec 69 (Ita)
[Drug therapy of stomach ulcer--controlled clinical study using proglumide] Wada T, et al.
Jap J Clin Med 28:2498-506, Oct 70 (Jap)
[Blood serotonin level and 24-hour urinary excretion of 5-hydroxyindoloacetic acid in patients with gastric and duodenal ulcer before and during treatment with Spasmophen] Pokora J, et al.
Pol Tyg Lek 25:1199-201, 10 Aug 70 (Pol)
[Gastric ulcer in old age] Palasz M.
Wiad Lek 23:1807-9, 15 Oct 70 (Pol)
[Effect of DOPA and alpha-methyl-DOPA on the development of neurogenic dystrophy of the gastric wall and catecholamine content of the stomach] Zabrodin ON.
Biull Eksp Biol Med 70:58-60, Jul 70 (Rus)
[Therapeutic and prophylactic action of almagel and almagel A in experimental gastric ulcer] Zheliazkov DK, et al. Farm Zh 26:91-4, Jan-Feb 71 (Ukr)

ENZYMOLOGY

Behaviour of some enzymes from different structures studied on bioptic specimens of gastric mucosa in various pathological conditions. Mirelli E, et al.
Acta Med Ingesl 24:151-7, 1970
[Serum cholinesterase activity in stomach carcinoma] Kronberger L, et al.
Osterr Z Erforsch Bekaempf Krebskr 25:349-54, 1970 (Ger)
[Diagnostic significance of the beta-glucuronidase activity in gastric juice] Simon L, et al.
Schweiz Med Wochenschr 101:499-501, 10 Apr 71 (Ger)

ETIOLOGY

Histochemical evidence for the role of macromolecular structural stability in the pathogenesis of diseases. Vellcan C. Acta Histochem (Jena) 37:330-42, 1970
Gastric perforation in polyarteritis nodosa. Report of a patient. Gourgoutis GD, et al.
Am J Dig Dis 16:171-7, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Pepsin output from the damaged canine Heidenhain pouch. Johnson LR. Am J Dig Dis 16:403-7, May 71
Ulcerogenic potential of the incompletely resected antrum. Harrison RC, et al. Am J Surg 122:198-203, Aug 71
Gastric mucosal changes following burns in rats. A morphological and metabolic approach to the stress ulcer problem. Chiu CJ, et al. Arch Surg 103:147-52, Aug 71
Acute stress ulceration with bleeding or perforation. Girvan DP, et al. Arch Surg 103:116-21, Aug 71
Gastric ulceration complicating experimental liver transplantation. Dent DM, et al. Br J Surg 58:298, Apr 71
Gastric ulcer and gastritis. Elkeles A. Br Med J 3:530, 26 Aug 71
Peptic ulcer after burning. Br Med J 2:122, 17 Apr 71
Gastric ulcer and gastritis. Br Med J 3:62-3, 10 Jul 71
Ssceptibility of experimental atrophic gastritis to ulceration. Ritchie WP Jr, et al. Gastroenterology 60:554-9, Apr 71
Observations on the healing of ulcerations in early gastric cancer. The life cycle of the malignant ulcer. Sakita T, et al. Gastroenterology 60:835-9 passim, May 71
Personality pattern and emotional stress in the genesis of gastric ulcer. Alp MH, et al. Gut 11:773-7, Sep 70
Gastric ulcer and regurgitation gastritis. Delaney JP, et al. Gut 11:715-9, Aug 70 (26 ref.)
Instrumental control and ulceration in rats. Moot SA, et al. J Comp Physiol Psychol 71:405-10, Jun 70
A method for the production of gastric ulceration in the rat. Yu JY. J Formosan Med Assoc 70:63-72, 28 Feb 71
Lactobezoar and gastric perforation in a neonate. Levkoff AH, et al. J Pediatr 77:875-7, Nov 70
The effects of ethanol on the development of gastric ulceration in the rat. Schimdt KM, et al. J Psychosom Res 15:55-61, Mar 71
Trauma workshop report: the gastrointestinal tract in trauma. Gurd FN, et al. J Trauma 10:1069-91, Nov 70
Prospective study of gastric secretion in stressed patients with intracranial injury. Idjadi F, et al. J Trauma 11:681-8, Aug 71
Effects of early experience and differential housing on susceptibility to gastric erosions in lesion-susceptible rats. Ader R. Psychosom Med 32:569-80, Nov-Dec 70
Somatic effects of predictable and unpredictable shock. Weiss JM. Psychosom Med 32:397-408, Jul-Aug 70
Gastrointestinal complications related to human renal homotransplantation. Libertino JA, et al. Surg Clin North Am 51:733-7, Jun 71
The experimental production of gastric and duodenal ulcers in dogs. Hatafuku T, et al. Surg Forum 21:314-5, 1970
Prospective analysis of factors influencing the development of stress ulceration. Lucas CE, et al. Surg Forum 21:308-10, 1970
The effect of adrenalectomy and endocrine substances on restraint-induced acute gastric ulceration. Ozdemir IA, et al. Surg Forum 21:304-5, 1970
Hydrogen permeability of canine gastric secretory epithelium during formation of acute superficial erosions. Moody FG, et al. Surgery 70:154-60, Jul 71
[Multiple phytobezoar causing an ulcer of the anterior wall of the stomach. Digestive hemorrhage] Gurkan KI. Ann Gastroenterol Hepatol (Paris) 6:225-30, May-Jun 70 (Fre)
[New technic of production of experimental gastric ulcers in the white rat: ulcer caused by exposure to cold] Jondet A, et al. Ann Pharm Fr 26:767-70, 1968 (Fre)
[The stomach of cirrhotics (radiographic, anatomo-pathological and biological study). Apropos of 250 cases of cirrhoses including radiographic records] Fraisse H, et al. Arch Fr Mal App Dig 57:845-7, Oct 68 (Fre)
[The restraint wheel. Method of studing the relationship between gastric ulcer and forced activity in the rat] Dubrasquet M, et al. Biol Gastroenterol (Paris) 2:199-206, 1969 (Fre)
[Effect of habituation on the sensitivity of the rat to restraint ulcer] Martin MS, et al. C R Soc Biol (Paris) 164:826-8, 1970 (Fre)
[Early gastric ulcer and radiotherapy] Eschwege F, et al. J Radiol Electrol Med Nucl 50:Suppl 5:439+, May 69 (Fre)
[Anamnestic data on gastric and duodenal ulcer] Forster W. Praxis 59:1675-81, 1 Dec 70 (Ger)
[Rare complication of a postero-lateral diapharagmatic hernia in an adult] Moschinski D, et al. Zentralbl Chir 95:258-62, 21 Feb 70 (Ger)
[Role of the dysfunctional syndromes of the temporomandibular joint in the etiopathogenesis of gastric ulcer] Milani M. Ann Stomatol (Roma) 19:441-50, Jun 70 (Ita)
[Frequency of experimental gastric ulcer in relation to the experimental composition of the light] Cavalloni L, et al. Dent Cadmos 38:1702-4, Nov 70 (Ita)
[Acute neurogenic ulcer in patients with acute medullary lesions. Study of 22 cases] Morello A, et al. Minerva Neurochir 14:45-55, 1970 (Ita)
[Experimental chronic gastric ulcer in the rat] Oara T. Jap J Cancer Clin 17:457-64, Jun 71 (Jap)
[Experimental stress ulcer of the stomach and amines] Fujiwara M, et al. Saishin Igaku 25:2058-67, Oct 70 (110 ref.) (Jap)
[Psychosomatic aspect of gastric and duodenal ulcer] Namiki M. Saishin Igaku 26:1287-94, Jul 71 (Jap)
[Acute, bleeding erosions and ulcers of the stomach and duodenum developing after surgery] Ciesielski L, et al. Pol Przegl Chir 43:65-71, Jan 71 (Pol)
[Etiology and pathogenesis of gastric and duodenal ulcer] Baciu Z, et al. Med Interna (Bucur) 22:1165-74, Oct 70 (Rum)
[Post-vagotomy and pyloroplasty gastric ulcer] Tomatis HP, et al. Prensa Med Argent 57:1548-50, 9 Oct 70 (Spa)

IMMUNOLOGY

[Allergic reactivity in chronic gastric and duodenal ulcer] Romański B, et al. Pol Tyg Lek 26:550-3, 12 Apr 71 (Pol)

METABOLISM

The effect of ulceration on the ability of the gastric mucosa to contain an acid solution. Wlodek GK, et al. Can J Surg 11:5-13, Jan 68
[Behavior of electrolytes and adrenocortical steroids in gastric and duodenal ulcers depending upon their location] Bojanowicz K, et al. Przegl Lek 26:755-7, 1970 (Pol)
[The role of acetylcholine in the pathogenesis of stress ulcers of the gastrointestinal tract] Bondarenko IuI. Biull Eksp Biol Med 71:29-30, Mar 71 (Rus)
[The level of histamine and serotonin in the rat stomach wall in the development of neurogenic dystrophy] Grechishkin LL, et al. Biull Eksp Biol Med 69:31-3, Mar 70 (Rus)
[Effect on carbohydrate metabolism of the mode of restoration of gastrointestinal tract continuity in gastric resection] Seniutovich VF, et al. Klin Khir 1:36-41, Jan 70 (Rus)
[Comparative evaluation of morphologic, histochemical and functional changes in the liver of patients with cholecystitis and stomach ulcers] Avdeĭ LV, et al. Vestn Khir 105:27-32, Nov 70 (Rus)
[Effect of the Dzhermuk health resort mineral water on the content of histamine and histaminopexic capacity of gastric tissue in normal and pathological state] Mirzoian SA, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:222-4, May-Jun 70 (Rus)

MICROBIOLOGY

[Gastric microbial flora and its sensitivity to antibiotics following a short-time use of the tetracyclines morphocycline and glycocycline] Gitinov GG, et al. Antibiotiki 15:743-8, Aug 70 (Rus)

OCCURRENCE

Six-hour escape-avoidance work shift and production of stomach ulcers. Paré WP. J Comp Physiol Psychol 74:459-66, Mar 71
Gastric ulceration complicating experimental liver transplantation in the pig. Dent DM, et al. J Surg Res 11:289-96, Jun 71
Gastric ulcer in South Australia 1954-1963. I. Epidemiological factors. Alp MH, et al. Med J Aust 2:1128-32, 12 Dec 70
Gastric ulcer in South Australia, 1954-1963. 2. Symptomatology and response to treatment. Alp MH, et al. Med J Aust 1:372-5, 13 Feb 71
[Gastroduodenal ulcer in adolescents: etiological and clinical study in 100,000 young adults] Beccuau M, et al. Lyon Med 225:715-22, 25 Apr 71 (Fre)
[Gastric ulcer in aged patients. Statistical data] Vidal B, et al. Minerva Med 61:5382-6, 24 Nov 70 (Ita)

PATHOLOGY

Histology of gastric ulcer with reference to criteria of ulcer cancer. Kubo T. Gann 62:1-11, Feb 71
Gastric ulcers. An exercise in armchair pathology. Milles G. Gastroenterology 60:985-6, May 71
Gastric ulcer in fundic-gland area. Yamagiwa H. Mie Med J 20:81-5 passim, May 70
The type of mucosa in which gastric ulcers occur. Lawson HH. S Afr J Surg 8:53-7, 1970
[Histochemical and ultrastructural study of healing of restraint ulcer in rats] Lehy T, et al. Biol Gastroenterol (Paris) 2:107-24, 1970 (Fre)
[Changes in the antrum wall in ulcus ventriculi] Liebermann-Meffert D, et al. Schweiz Med Wochenschr 101:753-4, 22 May 71 (Ger)
[The fine structure of the rat stomach under the influence of a restraint-induced stress] Hübner G, et al. Verh Dtsch Ges Pathol 54:386-93, 1970 (Ger)
[Pathologic anatomy of gastro-intestinal ulcers in newborns and infant. IV. Acute gastric ulcer and subchronic duodenal ulcer in premature infants] Stefani M, et al. Riv Anat Patol Oncol 33:19-42, 1968 (Ita)
[The muscle structurn of human stomach and its relation to the development of gastric ulcers with special reference to the longitudinal muscle fibers] Nakamura N. Jap J Smooth Muscle Res 6:245-62, Dec 70 (Jap)

PHYSIOPATHOLOGY

Role of the hypothalamus in the pathogenesis of cinchophen-induced gastric ulcers in dogs. Nagamachi Y, et al. Am J Dig Dis 15:1063-9, Dec 70
Bile reflux in active and healed gastric ulcer. Black RB, et al. Br J Surg 57:857, Nov 70
Electrical activity of the gastric antrum in man. Kwong NK, et al. Br J Surg 57:913-6, Dec 70
Pyloric regurgitation and gastric ulcer. Flint FJ, et al. Gut 11:735-7, Sep 70
Studies on the renal function and structure in patients with pyloric obstruction due to gastric ulcer. Oszacki J, et al. Pol Med J 9:870-5, 1970
[Modifications in the motor-evacuatory function of the gallbladder in stomach and duodenal ulcer] Délov I, et al. Folia Med (Plovdiv) 12:70-4, 1970 (Fre)
[Intravenous loading with isotonic solutions in patients with cancer of the stomach and ulcerous disease: effect of loading on the volume of circulating blood and the level of blood serum proteins] Marczyńska A, et al. Pol Przegl Chir 42:1653-9, Nov 70 (Pol)
[Method of multichannel electrogastrography and some results of its clinical use] Krasil'nikov LG, et al. Nov Med Priborostr 1:72-80, 1967 (Rus)
[Comparative evaluation of morphologic, histochemical and functional changes in the liver of patients with cholecystitis and stomach ulcers] Avdeĭ LV, et al. Vestn Khir 105:27-32, Nov 70 (Rus)
[Study of adrenal cortex function and uropepsinogen in the preoperative preparation of patients with gastric ulcer, cancer and polyposis] Mordvinkina TN. Vestn Khir 105:31-5, Aug 70 (Rus)
[Pepsinogenous function of the stomach in ulcer in children] Norkina SA. Pediatr Akush Ginekol 3:10-2, 1970 (Ukr)
[Blood sugar and insulin blood level changes induced by tolbutamide in patients with gastro-duodenal ulcer. Preliminary note] Zandomeneghi R, et al. Acta Diabetol Lat 6:836-43, Oct-Dec 69 (Mul)

PREVENTION & CONTROL

Parietal cell vagotomy. Studies of gastric emptying and observations of protection from histamine-induced ulcer. Interone CV, et al. Arch Surg 102:43-4, Jan 71
Prevention of the experimental gastric ulcer in the rat by some folk medicinal plants in Taiwan. Su CY, et al. J Formosan Med Assoc 69:507-13, 28 Oct 70
Reduction of gastric acid secretion and ulcer formation by 3,3-dimethyl-1-(3-methylaminopropyl)-1-phenylphthalan (Lu 3-010); an inhibitor of noradrenaline uptake. Lippmann W. J Pharm Pharmacol 22:568-73, Aug 70
[The effect of deoxycorticosterone acetate on the secretory function of the stomach and the development of gastric ulcer] Lipovskiĭ SM. Patol Fiziol Eksp Ter 14:70-1, Nov-Dec 70 (Rus)

RADIOGRAPHY

Gastric ulcers: a comparison of surgical, radiological, and pathological diagnosis. Barson AJ, et al. Br J Surg 57:928-30, Dec 70
Roentgenologic studies on diseases of the stomach. 5. Changes in contour and peristalsis. Saito S, et al. Nippon Acta Radiol 30:1102-18, Mar 71
Roentgenologic studies on diseases of the stomach.3. Diagnostic significance of double contrast technique combined with pretreatment and posit- ioning, especially in early or small gastric lesions. Saito S, et al. Nippon Acta Radiol 30:1119-31, Mar 71
Roentgenologic studies on diseases of the stomach. 4. Radiographic differentiations of benign and malignant ulcers of the stomach. Saito S, et al. Nippon Acta Radiol 30:1091-101, Mar 71
Roentgen features of healing and healed benign gastric ulcers. Keller RJ, et al. Radiology 97:353-9, Nov 70
[Ulceriform cancer of the anterior greater curvature of the stomach] Henrion C. J Belge Radiol 54:413-4, May-Jun 71 (Fre)
[The angular ulcer of the stomach. Illustration of union of morphology and function in reference to radiography] Eschbach H. Radiol Diagn (Berl) 11:697-705, 1970 (Ger)
[Radiodiagnosis of ulcers of the large gastric tuberosity] Pavlica P, et al. Arch Ital Mal Appar Dig 36:276-323, 1971 (Ita)
[Radiographic studies of gastric ulcer-cicatrice] Komata N. Nippon Acta Radiol 30:84-84, Jan 71 (Jap)
[Current concept in gastric ulcer and cancer--with reference to the x-ray test of the stomach] Nishi M, et al. Rinsho Hoshasen 16:255-67, Apr 71 (Jap)
[Differential radiographic diagnosis between benign gastric ulcer and ulcerated neoplasms (causes of error

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and uncertainty; differential signs; their possible interpretation)] Perotti F.
Resen Clin Cient 39:162-76, Jul-Aug 70 (Por)
[The sign of convergence of the folds in malignant gastric ulcers] Jocu I.
Med Interna (Bucur) 23:481-94, Apr 71 (Rum)

RADIOTHERAPY

Late radiation nephritis after gastric x-irradiation for peptic ulcer. Thompson PL, et al.
Q J Med 40:145-57, Jan 71

SURGERY

[Vagotomy versus gastrectomy] Lagrot F, et al.
Acta Otorhinolaryngol Belg 23:331-8, 1969
Improved technics using the bowel stapling clamps in nineteen consecutive gastric resections. Dickman RW. Am J Surg 121:628-30, May 71
Vagotomy and the gastric ulcer. Kraft RO, et al.
Am J Surg 121:122-8, Feb 71
Clinical trial of vagotomy and pyloroplasty in the treatment of benign gastric ulcer. Sawyers JL, et al.
Am J Surg 121:119-21, Feb 71
Acute gastrointestinal tract ulceration: Cushing's ulcer, steroid ulcer, Curling's ulcer and stress ulcer. Fitts CT, et al. Am Surg 37:218-23, Apr 71
Cephalic hypersecreting primary gastric ulcer patients. Dragstedt LR 2d, et al. Arch Surg 102:462-4, May 71
Chronic gastric ulcer in an infant treated by gastrectomy. Glynn PJ.
Aust NZ J Surg 40:256-9, Feb 71
Indications for conservative surgery in gastric ulcer. Lewis A, et al. Br J Clin Pract 25:9-12, Jan 71
The Schoemaker-Billroth II operation for gastric ulcer. Maingot R. Br J Clin Pract 25:5-8, Jan 71
A vagal paradox. Burge H. Br Med J 4:302-3, 31 Oct 70
Clinical and biochemical changes in patients after resection of the stomach according to Billroth II. Janev P, et al. Folia Med (Plovdiv) 11:271-80, 1969
Fifty years' observation of gastric surgery. (Strode JE). Strode JE. Hawaii Med J 30:15-9, Jan-Feb 71
Results of surgical treatment of benign gastric ulcer--a review of 95 cases. Browne HJ.
J Ir Med Assoc 64:3-6, 7 Jan 71
Surgical management of stress ulcerations in childhood: report of five cases. Krasna IH, et al.
J Pediatr Surg 6:301-6, Jun 71
Vagotomy and drainage for combined gastric and duodenal ulcers. Burge H. Lancet 1:1301, 19 Jun 71
Vagotomy for combined gastric and duodenal ulcer. Mackillop NC. Lancet 1:969, 8 May 71
The surgery of peptic ulcer: a review. Robinson JO.
Lond Clin Med J 11:23-8, Jul 70
Carcinoma of stomach 40 years after gastroenterostomy. Report of a case. Prots RA, et al.
Ohio State Med J 67:521-5, Jun 71
The changing scene in the surgical treatment of gastric ulcer. Braasch JW, et al.
Surg Clin North Am 51:607-14, Jun 71
Treatment of benign gastric ulcer by segmental gastric resection with and without pyloroplasty. Amdrup E, et al. Surgery 68:759-65, Nov 70
[New principles in the operative treatment of ulcers and of postgastrectomy troubles] Andersen D.
Nord Med 85:194, 11 Feb 71 (Dan)
[Investigations of the stomach during operation. Leukomethylene blue staining of the vagus nerve, intragastric pH measurement and congo red staining of the mucosa] Jensen HE, et al.
Nord Med 85:235-7, 25 Feb 71 (Dan)
[Changes in serum lipase in patients having undergone stomach surgery] Andréev B, et al.
Folia Med (Plovdiv) 12:182-7, 1970 (Fre)
[The immediate and delayed functional state of the gallbladder after resection of the stomach because of ulcer] Delov I, et al.
Folia Med (Plovdiv) 12:142-6, 1970 (Fre)
[A new symptom in the stomach following resection for peptic ulcer] Delov I.
Folia Med (Plovdiv) 11:354-7, 1969 (Fre)
[Cancer of the gastric stump, after resection of the stomach for ulcers. 3 survivors after more than 8 years with no sign of recurrence] Saegesser F, et al.
Schweiz Med Wochenschr 100:1071-9, 31 Oct 70 (Fre)
[Atypical tube resection of the stomach in the treatment of high penetrating posterior wall ulcer] Horntrich J. Chirurg 42:37-40, Jan 71 (Ger)
[Possibilities in the surgical treatment of normacid and hypacid gastric ulcers using extended stomach corpus resection] Serafimov K.
Langenbecks Arch Chir 322:719-23, 1968 (Ger)
[Clinical experiences with vagotomy] Kaspar F.
Med Klin 66:915-20, 18 Jun 71 (Ger)
[Systematic suturing of perforated ulcer] Eliás S, et al.
Munch Med Wochenschr 112:253-5, 6 Feb 70 (Ger)
[Method of resection to prevent recurrent ulcer. Short afferent antecolic anastomosis loop in Billroth II] Köstler H.
Munch Med Wochenschr 112:143-5, 23 Jan 70 (Ger)
[Systematic suturing of perforated ulcer] Ruščff FL.
Munch Med Wochenschr 112:255, 6 Feb 70 (Ger)
[Experiences with selective vagotomy and pyloroplasty in ulcus ventriculi and duodeni] Glauch D.
Zentralbl Chir 95:1098-100, 12 Sep 70 (Ger)
[Gastric stump carcinoma--a late complication following ulcer resection] Howanietz L, et al.
Zentralbl Chir 96:437-9, 27 Mar 71 (Ger)
[Suturing or primary resection for gastric perforation]
Orv Hetil 111:3073, 27 Dec 70 (Hun)
[Gastric ulcer and duodenal ulcer. Problems and trends in treatment] Montorsi W.
Minerva Med Suppl 17:7-8, Jan-Feb 71 (Ita)
[Gastric ulcer and duodenal ulcer. Therapeutic problems and trends] Montorsi W.
Minerva Med 62:1238-9, 21 Mar 71 (Ita)
[Evaluation of surgical treatment of gastric ulcer of the upper stomach] Muto S, et al.
J Jap Med Assoc 64:1167-76, 15 Nov 70 (53 ref.) (Jap)
[Excision of circular gastric muscle--gastroplasty] Nagao F, et al. Shujutsu 25:523-8, May 71 (Jap)
[Cancer in the gastric stump after partial gastrectomy for ulcerous disease] Bogacki W.
Pol Przegl Chir 42:1136-8, Sep 70 (Pol)
[Surgical treatment of stomach and duodenal ulcer as assessed by the patients themselves] Hryniuk S.
Pol Przegl Chir 42:1810-3, Dec 70 (Pol)
[Surgical treatment of gastric ulcers] Popiela T, et al.
Przegl Lek 26:842-4, 1970 (Pol)
[Dynamics of the cardiac cycle phases in surgical intervention with light endotracheal anesthesia using exogenous corticosteroids] Ibragimov MK, et al.
Eksp Khir Anesteziol 15:64-8, Nov-Dec 70 (Rus)
[The coagulogram and thromboelastogram in peptic ulcer patients] Alimov TU, et al.
Khirurgiia (Mosk) 46:54-8, Jun 70 (Rus)
[Choice of method in gastric resection for peptic ulcer] Chachava MK, et al.
Khirurgiia (Mosk) 46:99-102, Aug 70 (Rus)
[Evaluation of methods of surgical treatment of peptic ulcer] Kolomiichenko MI, et al.
Khirurgiia (Mosk) 46:16-22, Jun 70 (Rus)
[Complications of gastric surgery in elderly patients] Leont'eva NS, et al.
Khirurgiia (Mosk) 46:46-50, Jun 70 (Rus)
[Vagotomy in srgery of peptic ulcer] Maiat VS, et al.
Khirurgiia (Mosk) 46:28-35, Jun 70 (Rus)
[Principles of surgical treatment of gastric and duodenal ulcers] Shalimov AA, et al.
Khirurgiia (Mosk) 46:23-8, Jun 70 (Rus)
[Achievements and disappointments in the search for improved surgical treatment of peptic ulcer] Lidskiĭ AT. Vestn Khir 102:37-42, May 69 (Rus)
[The value of vagotomy in surgery for stomach and duodenal ulcer] Savel'ev VS, et al.
Vestn Khir 104:80-5, Apr 70 (Rus)
[Technic of selective vagotomy in the treatment of peptic ulcer] Sergin GS.
Vestn Khir 104:134-5, Jun 70 (Rus)
[Treatment of peptic ulcer of gastric location] Georgiev K, et al.
God Zb Med Fak Skopje 16:465-71, 1970 (Ser)
[Surgical treatment of juxtacardial gastric ulcer] Maur M, et al. Prensa Med Argent 57:1906-8, 11 Dec 70 (Spa)

THERAPY

Treatment of gastric ulcer.
Drug Ther Bull 9:13-5, 12 Feb 71
Ulcer dietotherapy--past and present. Odell AC.
J Am Diet Assoc 58:447-50, May 71
[Ulcer therapy without etiologic concept?] Bircher J.
Munch Med Wochenschr 112:257-8, 6 Feb 70 (Ger)
[Ulcer therapy without etiologic concept?] Krebs P.
Munch Med Wochenschr 112:256-7, 6 Feb 70 (Ger)
[Stomach ulcer disease] Pensel F.
Z Allgemeinmed 47:587-90, 20 Apr 71 (Ger)
[Gastric ulcer] Sato H. Naika 27:1017-22, Jun 71 (Jap)
[Problems in the therapy of stomach ulcer] Shirasaki T.
Naika 26:739-44, Oct 70 (Jap)
[Effect of drinking Dzhermuk mineral water on the histamine content and histaminopexic capacity of the blood and gastric juice in patients with peptic ulcer and chronic hyperacid gastritis] Mirzoian SA, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:517-8, Nov-Dec 70 (Rus)
[Evaluation of medical treatment in gastric ulcer] Llanos O, et al. Rev Med Chil 98:435-9, Jul 70 (Spa)

URINE

Experimental gastric ulcers and uropepsinogen excretion in the rat. Coppi G, et al.
J Pharm Pharmacol 23:722-3, Sep 71

VETERINARY

The microflora of the pig stomach and its possible relationship to ulceration of the pars oesophagea. Tannock GW, et al. J Comp Pathol 80:359-67, Jul 70
A post-mortem survey of the relationships between bile staining and ulceration of the oesophageal portion of pig's stomach. Reed JH, et al.
Res Vet Sci 11:438-40, Sep 70
[Etiology and morphology of erosions in the chicken gizzard] Gialamas J.
Dtsch Tieraerztl Wochenschr 78:209-13 contd, 1 Apr 71 (Ger)

STOMACH VOLVULUS (C4)

Volvulus of the stomach. A review with a report of 8 cases. Wastell C, et al. Br J Surg 58:557-62, Aug 71
Recurrent volvulus of the stomach. Bandi SK, et al.
Indian J Pediatr 37:580-2, Nov 70

COMPLICATIONS

Gastric volvulus causing rupture of the spleen. Hudspeth AS, et al. Arch Surg 102:232-3, Mar 71
[Double gastric hernia within the esophageal hiatus of the diaphragm with coexisting obstruction of the pylorus] Jasieński S, et al.
Pol Przegl Chir 42:1354-7, Sep 70 (Pol)

ETIOLOGY

[Intrathoracic gastric volvulus in hiatal hernias (apropos of 6 cases)] Viard H, et al.
Lyon Chir 67:30-4, Jan-Feb 71 (Fre)
[Unusual causes of alimentary tract obstruction in young infants and children] Marchese GS.
Ann Radiol (Paris) 12:181-90, 1969 (Mul)

RADIOGRAPHY

Volvulus of the stomach. Gwinn JL, et al.
Am J Dis Child 120:551-2, Dec 70
[The gastric volvulus and absence of liver left lobe syndrome] Tod R, et al.
J Radiol Electrol Med Nucl 52:106-8, Jan-Feb 71 (Fre)
[Chronic gastric volvulus] Fujikawa M, et al.
Rinsho Hoshasen 16:381-92, May 71 (Jap)

SURGERY

[Ventricular volvulus] Klingen G.
Nord Med 85:96-7, 21 Jan 71 (Nor)

VETERINARY

A study of ten cases of gastric torsion in the bloodhound. Andrews AH. Vet Rec 86:689-93, 6 Jun 70

STOMATITIS (C4)

Denture stomatitis. 3. Histopathology of trauma- and candida-induced inflammatory lesions of the palatal mucosa. Budtz-Jorgensen E.
Acta Odontol Scand 28:551-79, Nov 70

CHEMICALLY INDUCED

Allergy as a cause of denture sore mouth. Danilewicz-Styziak Z. J Prosthet Dent 25:16-8, Jan 71
[Toxic changes in the mucosa during cytostatic therapy] Hausamen JE.
Dtsch Zahnaerztl Z 25:999-1004, Oct 70 (Ger)
[Oral mucosa and serum cholinesterase activity in subjects exposed in their work to pesticides] Kaźmierczak A.
Czas Stomatol 24:895-900, Aug 71 (Pol)

CLASSIFICATION

[Vesicular stomatitis. Clinical classification] Spuch Fernandez C.
An Esp Odontoestomatol 29:501-12, Nov-Dec 70 (Spa)

DIAGNOSIS

[Ophthalmological symptomatology, therapy and prognosis of Fuch's and Lyell's syndromes] Schmidt JG, et al.
Klin Monatsbl Augenheilkd 157:342-57, Sep 70 (Ger)

DRUG THERAPY

[Antisepsis and analgesia in oropharyngo-laryngeal and stomatologic diseases. Therapeutic trial] Brucker J.
J Fr Otorhinolaryngol 19:605-8, Sep 70 (Fre)
[Treatment of inflammatory diseases of the mouth and pharyngeal space in children] Löw J.
Dtsch Med J 21:905-6, 5 Jul 70 (Ger)
[Distamycin A in the treatment of cutaneous localizations of herpes virus and of complications of jennerian vaccination] Scarzella M.
Minerva Pediatr 22:1444-8, 14 Jul 70 (Ita)
[Stomatin in the treatment of stomatitis] Bazhanov NN, et al. Stomatologiia (Mosk) 49:19-21, Jul-Aug 70 (Rus)
[The microfloral sensitivity of the oral cavity to antibiotics in some inflammatory diseases of the oral mucous membrane] Marchenko AI, et al.
Stomatologiia (Mosk) 49:10-3, Jul-Aug 70 (Rus)

ETIOLOGY

The effect of iron deficiency on the tissues. Jacobs A.
Gerontol Clin (Basel) 13:61-8, 1971
[Denture stomatitis. Etiology and treatment]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Aaslestad HG, et al.
Ugeskr Laeger 133:1297-301, 9 Jul 71 (Dan)
[Several aspects of the mouth and tongue mucosa after menopause] Stewart WM.
Bull Soc Fr Dermatol Syphiligr 77:530-3, 1970 (Fre)
[Traumatic lesions from removable dentures] Doual JM, et al.
Rev Stomatoodontol Nord Fr 26:105-13, 1971 (Fre)
[Effect of prostheses on the underlying tissues] Gasser F. Dtsch Zahnaerztl Z 25:784-92, Aug 70 (Ger)
[Lesions of the mouth mucosa caused by dentures] Herrmann HW.
Dtsch Zahnaerztl Z 25:1005-9, Oct 70 (Ger)
[Candida albicans as a cause of prosthetic stomatopathies] Spiechowicz E, et al.
Mykosen 14:419-24, 1 Sep 71 (Ger)
[Aspects of viremia in some enteroviral infections] Ciugarin-Brăiloiu M, et al.
Stud Cercet Inframicrobiol 22:3-17, 1971 (Rum)

OCCURRENCE

Incidence of immediate and delayed hypersensitivity to Candida albicans in denture stomatitis. Davenport JC, et al. J Dent Res 50:892-6, Jul-Aug 71

PATHOLOGY

Cytology of the inflammatory exudate in denture stomatitis. Kaaber S, et al.
Scand J Dent Res 79:81-91, 1971

PREVENTION & CONTROL

The effects of chlorhexidine on the oral mucosa in patients with partial or complete dentures. Twelve case reports. Heyden G, et al.
Sven Tandlak Tidskr 64:239-46, Apr 71

VETERINARY

[Infectious bovine rhinotracheitis (IBR). Evidence of IBR virus in a calf with stomatitis erosiva] Hahnefeld H, et al. Monatsh Vet Med 25:222-9, 15 Mar 70 (Ger)

STOMATITIS, APHTHOUS (C1, C4)

The association between smoking and aphthous ulcers. Shapiro S, et al. Oral Surg 30:624-30, Nov 70
Systemic significane of mouth ulcers. Ship II, et al. Postgrad Med 49:67-72, Jan 71
[Eruption erythematous aphthous stomatitis: primary herpes infection?] Bureau P, et al.
Rev Stomatol Chir Maxillofac 72:467-74, Apr-May 71 (Fre)
[Steroids in aphthous stomatitis] McPhee IT.
Munch Med Wochenschr 113:Suppl 4:3, 22 Jan 71 (Ger)
[Thrush] Rieth H. Mykosen 10:403-4, 1 Sep 67 (Ger)

BLOOD

[Chronic recurrent aphthous stomatitis] Roshchina PI. Stomatologiia (Mosk) 49:70-1, Nov-Dec 70 (Rus)

COMPLICATIONS

[Systemic aphthosis with thrombosis of the inferior vena cava] Dupuy R, et al.
Bull Soc Fr Dermatol Syphiligr 77:762-4, 1970 (Fre)
[Recurrent adhesional aphthosis] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 78:48-9, 1971 (Fre)
[Mutilating aphthosis of the soft palate. Apropos of 2 cases, one with muco-adhering atrophy of the labial commissures] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 76:709-11, 1969 (Fre)
[A further case of stenosing aphthosis of the esophagus] Gaillard J.
J Fr Otorhinolaryngol 19:744-5, Nov 70 (Fre)
[Morphogenesis of chronic relapsing aphthae] Herrmann D. Dtsch Zahnaerztl Z 25:993-9, Oct 70 (Ger)

DIAGNOSIS

[Our personal observations on chronic recurrent aphthous stomatitis in children] Zabińska O, et al.
Pol Tyg Lek 26:672-4, 3 May 71 (Pol)

DRUG THERAPY

Clinical trials of treatment for acute periodontal diseases. Emslie RD. Int Dent J 21:33-40, Mar 71
Treatment of recurrent aphthous stomatitis with gamma globulin: report of five cases. Kaloyannides TM. J Can Dent Assoc 37:312-3, Aug 71
Antibiotics in the practice of periodontics. Holroyd SV. J Periodontol 42:584-9, Sep 71
[Dequalinium chloride in bucco-pharyngeal diseases] Coll J. J Fr Otorhinolaryngol 20:71-2, Jan 71 (Fre)
[Virustat in African pathology. A case report] Ayih R. Therapeutique 44:582, Nov 68 (Fre)
[Effects of ovulation inhibitors on recurrent aphthen of the mouth mucosa. Preliminary report] Freitag V, et al. Dtsch Zahnaerztl Z 26:826-9, Aug 71 (Ger)
[Gingivostomatosis herpetica (stomatitis aphtosa) in childhood. Therapeutic results of locally administered Teejel] Nováček J, et al.
Praxis 60:887-9, Jun 71 (Ger)
[Some bacteria of the intestinal group isolated from the oral cavity in acute aphthous stomatitis] Folliants AV, et al. Stomatologiia (Mosk) 49:13-6, Jul-Aug 70 (Rus)
[Assessment of the effect of prodigiosan in chronic recurrent aphthous stomatitis] Lialina MI, et al. Stomatologiia (Mosk) 50:15-6, May-Jun 71 (Rus)
[The treatment of acute aphthous and herpetic stomatitis in children] Vinogradova TF, et al. Stomatologiia (Mosk) 49:25-8, Sep-Oct 70 (Rus)

ETIOLOGY

[Ulcerative hyperplastic gingivitis in one member of a pair of monozygotic twins] Schuler D, et al.
Orv Hetil 112:570-2, 7 Mar 71 (Hun)

IMMUNOLOGY

Immunofluorescent studies on circulating lymphocytes in oral mucosal diseases. Sallay K, et al.
Arch Dermatol Forsch 241:15-21, 1971
Mikulicz's recurrent oral aphthae: the effect of anti-lymphocyte serum upon the in vitro cytotoxicity of lymphocytes from patients for oral epithelial cells. Dolby AE. Clin Exp Immunol 7:681-6, Nov 70
Impaired lymphocyte stimulation by some streptococcal antigens in patients with recurrent aphthous stomatitis and rheumatic heart disease. Francis TC, et al. Clin Exp Immunol 6:573-86, Apr 70
Serum immunoglobulins in patients with recurrent intraoral herpes simplex infections. Greenberg MS, et al. J Dent Res 50:781, May-Jun 71
Transformation of lymphocytes from patients with recurrent aphtae. Sallay K, et al.
Rev Immunol (Paris) 35:17-21, Jan-Mar 71

MICROBIOLOGY

[A combination of vaccinal disease and moniliasis of the mucous membranes] Karnitskiĭ VI, et al.
Biull Eksp Biol Med 71:80-1, Mar-Apr 71 (Rus)
[Some bacteria of the intestinal group isolated from the oral cavity in acute aphthous stomatitis] Folliants AV, et al. Stomatologiia (Mosk) 49:13-6, Jul-Aug 70 (Rus)

OCCURRENCE

[Occurrence and epidemiology of aphthous stomatitis in premature infants under ambulatory care] Hinkel GK, et al.
Dtsch Gesundheitsw 25:1998-2002, 15 Oct 70 (Ger)
[Epidemiology of chronic-recurrent aphthae] Herrmann D.
Dtsch Zahnaerztl Z 26:342-7, Mar 71 (Ger)
[On the occurrence of aphthae in infants and small children] Blaschke-Hellmessen R.
Mykosen 11:57-72, 1 Jan 68 (Ger)
[Chronic diseases of the oral mucosa in children] Hakemer D, et al. Czas Stomatol 24:871-5, Aug 71 (Pol)

PATHOLOGY

Periadenitis aphthae. A clinical and pathological evaluation. Bikhazi HB, et al.
Laryngoscope 81:430-7, Mar 71
[Recurrent necrotic periadenitis of the mucosa (Sutton)] Mathis H, et al.
Dtsch Zahnaerztl Z 25:1154-63, Dec 70 (Ger)

PHYSIOPATHOLOGY

[Blood circulatory dynamics in the oral mucosa in chronic recurrent aphthae] Herrmann D.
Dtsch Zahn Mund Kieferheilkd 56:209-16, Apr 71 (Ger)

PREVENTION & CONTROL

[Prevention of thrush in newborn infants] Malicke H, et al. Mykosen 10:383-90, 1 Sep 67 (Ger)

THERAPY

[Viral diseases of the oral cavity in children and their treatment] Zabińska O, et al.
Czas Stomatol 24:721-7, Jul 71 (Pol)
[Experimental herpetic polyvaccine in the treatment of patients with chronic relapsing aphthous stomatitis] Lialina MI.
Stomatologiia (Mosk) 50:14-6, Jan-Feb 71 (Rus)
[Bacterial allergy and specific desensitization in recurrent aphthous stomatitis] Lukashova VI.
Stomatologiia (Mosk) 50:13-5, May-Jun 71 (Rus)

STOMATITIS, ULCERATIVE see VINCENT'S INFECTION (C1, C4)

STRABISMUS (C11)

see also related
ORTHOPTICS (E2, G2)

The natural course of esotropia. Moore S.
Am Orthopt J 21:80-3, 1971
Research in strabismus. Von Noorden GK.
Am Orthopt J 21:15-20, 1971
Disorders of ocular motility. Hiles DA.
J Occup Med 12:342-4, Sep 70
Children with squints. A handicapped group? Alberman ED, et al. Practitioner 206:501-6, Apr 71
A study of the psychological effects of strabismus. Lipton EL. Psychoanal Study Child 25:146-74, 1970
Heterophoria. O'Connor I.
Trans Ophthalmol Soc UK 89:951-4, 1970
[Statistical analysis of accomodative convergence (AC-A ratio)] Franceschetti AT, et al.
Bull Mem Soc Fr Ophtalmol 83:189-94, 1970 (Fre)
[1st results of a neuro-psycho-orthoptic study on the relationships between laterality and binocular vision in strabic children] Lavat J, et al.
Bull Mem Soc Fr Ophtalmol 83:243-60, 1970 (Fre)
[Dominance and strabismic amblyopia] Pigassou R.
Bull Soc Belge Ophtalmol 151:323-37, Mar 69 (Fre)
[Preference for the swinging amblyopic eye in convergent strabismus of both eyes] Berrondo P.
Bull Soc Ophtalmol Fr 69:738-51, Jul-Aug 69 (Fre)
[Various inhibition levels in functional amblyopia (diagnosis, therapeutic orientation)] Bessière E, et al.
Bull Soc Ophtalmol Fr 68:247-50, Feb 68 (Fre)
[Strabismus and laterality] Corcelle L, et al.
Bull Soc Ophtalmol Fr 68:209-12, Feb 68 (Fre)
[Strabismus and cerebral dominance] Jezegabel C.
Bull Soc Ophtalmol Fr 68:213-8, Feb 68 (Fre)
[Procedures for examining the stereoscopic sense] Perdriel G, et al.
Bull Soc Ophtalmol Fr 68:219-21, Feb 68 (Fre)
[Exodeviations. Classification, diagnosis, therapy] Burian HM.
Ann Ottalmol Clin Ocul 96:453-64, Sep 70 (Ita)
[Statistical clinical data on the relationship between amblyopia and the degree and angle of noncomitant deviation in essential esotropias of early appearance] Vinciguerra E, et al.
Ann Ottalmol Clin Ocul 96:155-60, Mar 70 (Ita)
[Diagnosis and treatment of concomitant strabismus under conditions of normal vision. With a preliminary note on the physiopathology of binocular vision] Bagolini B. Boll Ocul 48:379-401, Jun 69 (Ita)
[Review of the literatures on strabismus and amblyopia--1969] Uemura Y.
Ophthalmology (Tokyo) 13:853-69, Jul 71 (144 ref.) (Jap)
[Repeated visuscopy. Description of a new visuscopy target and chart for recording repeated observations] Brik M. Rev Bras Oftalmol 30:33-43, Mar 71 (Por)
[Use of a standardized statistical form for programmed medical history recording of patients with concomitant strabismus] Konstantinovskaia KK.
Oftalmol Zh 25:541-5, 1970 (Rus)
[Binocular relations in microtropias] Prieto Díaz J.
Arch Oftalmol B Aires 45:272-8, Jul 70 (Spa)

CHEMICALLY INDUCED

[Transient neurologic changes and ocular abnormalities in a child during treatment with nalidixic acid] Nabben FA.
Ned Tijdschr Geneeskd 115:751-2, 24 Apr 71 (Dut)

CLASSIFICATION

[Horizontal strabism with vertical component] Rivara A, et al. Minerva Oftalmol 12:85-94, May-Jun 70 (Ita)

COMPLICATIONS

Past-pointing in paralytic strabismus. Von Noorden GK, et al. Am J Ophthalmol 71:27-33, Jan 71
Haidinger brush diagnosis and treatment of binocular suppression scotoma in intermittent, accommodative and postoperative esotropia. Sleight JL, et al.
Am Orthopt J 21:96-100, 1971
[Dystrophic diseases of the horizontal recti muscles in concomitant strabismus] Zoog N, et al.
Ann Ocul (Paris) 204:407-14, Apr 71 (Fre)
[Strabismus with functional amblyopia. Neuro-psychiatric study] Harrison-Covello A, et al.
Arch Ophtalmol (Paris) 31:145-64, Feb 71 (Fre)
[Nystagmus with strabismus: surgical management] Schlossman A.
Bull Mem Soc Fr Ophtalmol 83:233-8, 1970 (Fre)
[Accommodative strabismus in myopic patients] Réthy I. Ber Dtsch Ophthalmol Ges 70:268-74, 1970 (Ger)
[Gyrate atrophy with nystagmus and strabismus] Schäfer WD, et al.
Klin Monatsbl Augenheilkd 156:377-90, Mar 70 (Ger)
[Clinical considerations on a case of paralysis of divergence associated with paresis of a superior oblique muscle] Venturi G.
Ann Ottalmol Clin Ocul 95:405-14, May 69 (Ita)
[Further considerations on scotoma of suppression in concomitant strabismus] Bertoncini G, et al.
Boll Ocul 48:821-9, Nov 69 (Ita)
[New trends in study of the etiopathogenesis of torticollis. Ocular torticollis] Manca M, et al.
Minerva Ortop 20:1-13, Jan-Feb 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Effectiveness of treatment of strabismus and its complications in a specialized kindergarten] Khaletskaia LIa, et al.
Oftalmol Zh 25:341-3, 1970 (Rus)
[Late period dynamics of visual acuity in strabismus after discontinuing treatment of amblyopia] Kozbagarova SA. Oftalmol Zh 24:410-3, 1969 (Rus)
[Ability of isolated closing of the eyes and retinal correspondence in nonaccomodative convergent concomittant squint] Niederlandová Z.
Cesk Oftalmol 27:27-30, Jan 71 (Slo)

CONGENITAL

[A case of congenital strabismus] Pimental AM.
Rev Bras Oftalmol 30:83-5, Mar 71 (Por)

DIAGNOSIS

Evaluation of diagnostic methods for the classification of exodeviations. Burian HM, et al.
Am J Ophthalmol 71:34-41, Jan 71
Limitations of cover test in detecting strabismus. Romano PE, et al. Am J Ophthalmol 72:10-2, 30 Jul 71
Strabismus cover test demonstrator. Wirtschafter JD, et al. Am J Ophthalmol 71:760-2, Mar 71
Active force tests in lateral rectus paralysis. Scott AB. Arch Ophthalmol 85:397-404, Apr 71
Strabismus: early diagnosis and treatment. Johnston G, et al. J Arkansas Med Soc 67:190-2, Nov 70
Missed diagnosis of a case of trochlear paralysis. Van Senus AH. Ophthalmologica 162:242-3, 1971
Early diagnosis and treatment of strabismus. Gundersen T. Sight Sav Rev 40:129-36, Fall 70
Diagnosis and management of vertical strabismus. Mazow ML. South Med J 63:1273-6, Nov 70
[Importance of early detection of squint for the final therapeutic results] Zoubek R, et al.
Cesk Oftalmol 27:12-9, Jan 71 (Cse)
[New Lancaster devices] Weiss JB.
Bull Soc Ophtalmol Fr 68:232-6, Feb 68 (Fre)
[Electromyography of rare forms of strabismus] Ferić-Selwerth F, et al.
Klin Monatsbl Augenheilkd 158:805-9, Jun 71 (Ger)
[Anomalous retinal correspondence and mesopic vision] Gligo D, et al.
Klin Monatsbl Augenheilkd 157:515-20, Oct 70 (Ger)
[Diagnosis and therapy of the nystagmus blockade syndrome (electromyographic examinations)] Haase W.
Klin Monatsbl Augenheilkd 157:500-14, Oct 70 (Ger)
[Stereopsis, its importance in daily life, its presence in the normal eye and in strabismus] Hamburger FA.
Klin Monatsbl Augenheilkd 159:103-4, Jul 71 (Ger)
[A reliable "rapid" diagnostic method for deviations in binocular vision] Jonkers GH.
Klin Monatsbl Augenheilkd 158:96-103, Jan 71 (Ger)
[Stereopsis--a sensation sui generis?] Piper HF.
Klin Monatsbl Augenheilkd 158:802-5, Jun 71 (Ger)
[On another practical and useful application of Bagolini's striated lenses] Baquis G.
Ann Ottalmol Clin Ocul 95:73-7, Jan 69 (Ita)
[Pseudo-strabismus] Milano L, et al.
Boll Ocul 49:219-26, Apr 70 (Ita)
[Examination of retinal correspondence in heterotropias studied with the projection perimeter with the use of striated glasses] Montaldi M, et al.
Minerva Oftalmol 11:185-90, Nov-Dec 69 (Ita)
[Contemporary methods of studying the sensory apparatus of binocular vision in concomitant strabismus and amblyopia] Kliuka IV.
Oftalmol Zh 24:405-10, 1969 (Rus)
[Practical management of sensorial tests in convergent strabismus] Norbis AL, et al.
Arch Oftalmol B Aires 45:468-72, Nov 70 (Spa)

ETIOLOGY

Opsoclonus as the initial manifestation of occult neuroblastoma. Sandok BA, et al.
Arch Ophthalmol 86:235-6, Aug 71
[On paralytic strabismus] Vereecken E, et al.
Bull Soc Belge Ophtalmol 150:682-93, 1968 (Fre)
[Electromyographic study of a case of strabismus due to paralysis of the 6th cranial nerve treated by O'Connor's intervention] Algan B, et al.
Bull Soc Ophtalmol Fr 69:702-6, Jul-Aug 69 (Fre)
[Etiologic diagnosis of strabismus with amblyopia] Badoche-Sarniguet JM.
Bull Soc Ophtalmol Fr 69:1049-51, Dec 69 (Fre)
[Unilateral craniostenosis associated with oculomotor anomaly] Royer J, et al.
Bull Soc Ophtalmol Fr 69:830-2, Sep-Oct 69 (Fre)
[Electromyographic study of opsoclonia associated with vertebrobasilar insufficiency syndrome] Brichet B, et al. Rev Neurol (Paris) 122:439-43, Jun 70 (Fre)
[Ophthalmological symptoms of a tumor of the lateral ventricle] Lazorthe G, et al.
Rev Otoneuroophtalmol 40:453-4, Dec 68 (Fre)
[On the therapy of generalized congenital fibrosis of the extraocular muscles] Caccia Perugini G, et al.
Ann Ottalmol Clin Ocul 95:739-49, Sep 69 (Ita)
[The ocular disturbances of cerebral palsy. II. Strabismus of cerebral palsy. Ocular disturbances and rehabilitation of physically and mentally handicapped children. 5] Kubota N, et al.
Acta Soc Ophthalmol Jap 75:892-7, 20 Jan 71 (Jap)
[Symmetry disorders in the structure of the sensory and motor apparatus of binocular vision as a cause of concomitant strabismus] Vodovozov AM.
Oftalmol Zh 25:93-9, 1970 (Rus)
[The A and V syndromes] Orfila E.
Arch Oftalmol B Aires 45:120-8, Mar 70 (Spa)
[Skew deviation. Clinicopathological correlation] Madrid R, et al.
Neurocirugia 28:48-54, Jan-Jun 70 (Spa)
[Opsoclonus] Herskovits E, et al.
Prensa Med Argent 57:1551-3, 9 Oct 70 (Spa)

FAMILIAL & GENETIC

Gradient accommodative convergence-accommodative ratio in families with and without esotropia.
Franceschetti AT, et al.
Am J Ophthalmol 70:558-62, Oct 70

HISTORY

[Albrecht von Graefe's contributions to the diagnosis and therapy of strabismus] (Graefe A von), Burian HM.
Albrecht von Graefes Arch Klin Ophthalmol 181:107-19, 1971 (Ger)
[Anatomy and pathology of the eye and correction of strabismus in a paper by Prof. Francesco Rossi written almost a century and a half ago] (Rossi F), Bèttica-Giovannini R.
Riv Stor Med 13:185-99, Jul-Dec 69 (Ita)

METABOLISM

[Metabolism of the human extraocular muscles] Aichmair H.
Albrecht von Graefes Arch Klin Ophthalmol 182:95-113, 1971 (Ger)

OCCURRENCE

The schoolchild with a squint. Lancet 1:1342, 26 Jun 71
[Occurrence of refractive errors, strabism and eye injuries in children from 8 to 15 years of age in Prague 3] Skala K. Cesk Pediatr 25:553-5, Nov 70 (Cse)
[Incidence of refraction disorders, strabismus and eye injuries in children of the 7-15 years of age group attending special schools in Prague] Skala K.
Cesk Pediatr 26:355-8, Jul 71 (Cze)

PHYSIOPATHOLOGY

Accommodative strabismus and the AC-A ratio. Breinin GM. Am J Ophthalmol 71:Suppl:303-11, Jan 71
Visually evoked responses in alternating strabismus. Franceschetti AT, et al.
Am J Ophthalmol 71:1292-7, Jun 71
Brightness matching in strabismic amblyopia. Flynn JT, et al. Am Orthopt J 21:38-49, 1971
Anomalous localization responses in some intermittent exotropias. Stearns A. Am Orthopt J 21:84-91, 1971
Oculomyodynamometry. The strength and work of extraocular muscles in squint. Madroszkiewicz M. Ophthalmologica 161:491-8, 1970
[Disorders of opto-kinetic nystagmus in infantile strabismus] Larmande AM, et al.
Ann Ocul (Paris) 204:1-12, Jan 71 (Fre)
[Motor and opto-motor disorders in child strabismus. Pendular electrooculography] Quéré MA, et al.
Ann Ocul (Paris) 203:717-36, Aug 70 (Fre)
[Retinal and cortical evoked potentials in strabismic amblyopic children] Corcelle L, et al.
Arch Ophtalmol (Paris) 29:187-92, Mar 69 (Fre)
[Stiles-Crawford effect and fixation] Bourdy C.
Vision Res 10:859-74, Sep 70 (Fre)
[Study of the visuo-motor content of dreams in subjects with disorders of ocular motility] Buscaino GA, et al. Acta Neurol (Napoli) 26:1-6, Jan-Feb 71 (Ita)
[Behavior of anomalous retinal correspondence in subjects with strabismus exposed to surgery: variants induced by the changes proprioceptivity] Schiavi L, et al. Ann Ottalmol Clin Ocul 95:471-90, Jun 69 (Ita)
[Sensory anomalies in ultra-small angle strabismus or microtropia] Leonardi E, et al.
Boll Ocul 48:960-70, Dec 69 (Ita)
[Method of binocular registration of eye micromovements in strabismus] Smol'laninova IL, et al. Vestn Oftalmol 5:85-6, 1970 (Rus)

RADIOGRAPHY

[Cranial radiography in strabismus. Radiostatistical study] Chiavazza G, et al.
Minerva Oftalmol 11:145-57, Sep-Oct 69 (Ita)

REHABILITATION

[Glasses within the scope of the treatment of strabismus] Holland G.
Z Allgemeinmed 47:108-10, 31 Jan 71 (Ger)

SURGERY

Operative treatment of paralytic strabismus. Odland M.
Acta Ophthalmol (Kbh) 48:779-88, 1970
Comparison of catgut and collagenutures in strabismus surgery. Goldstein JH, et al.
Am J Ophthalmol 71:935-9, Apr 71
Complications following bilateral superior oblique weakening surgical procedures for A-pattern horizontal deviations. Urist MJ.
Am J Ophthalmol 70:583-7, Oct 70
Surgical and functional results on preschool children with congenital strabismus. Weseley AC.
Am Orthopt J 21:77-9, 1971
Reduction of ocular torque by medial rectus recession. Beisner DH. Arch Ophthalmol 85:13-7, Jan 71
Marginal myotomy of the medial rectus. Kennedy JA.
Arch Ophthalmol 84:625-6, Nov 70
Marginal myotomy. Parks MM, et al.
Arch Ophthalmol 85:639-40, May 71
Simplified limbal approach in squint surgery. Fells P.
Br J Ophthalmol 55:550-2, Aug 71
Suturing technique for squint surgery. Fenton PJ.
Br J Ophthalmol 54:672-4, Oct 70
Simple technique for recession of the inferior oblique muscle. Gillies WE. Br J Ophthalmol 54:736-9, Nov 70
A new treatment for 'A' and 'V' patterns in strabismus by slanting muscle insertions. A preliminary report. Boyd TA, et al. Can J Ophthalmol 6:170-7, Jul 71
Retinal perforation and muscle surgery. Jervey ED.
Eye Ear Nose Throat Mon 49:131-2, Mar 70
Clinical evaluation of rat tail tendon sutures. Dev S, et al. J All India Ophthalmol Soc 18:45-51, Jun 70
Surgical correction of extreme strabismus. Worst JG.
Ophthalmologica 162:244-5, 1971
Surgery for ptosis and strabismus in ocular myopathy. Zauberman H, et al. Ophthalmologica 161:477-83, 1970
The surgical management of paretic squint. Selm JL van. S Afr Med J 45:403-5, 10 Apr 71
Early surgery for strabismus. Arnott EJ, et al.
Trans Ophthalmol Soc UK 90:959-70, 1970
[The deviation phenomenon and the secondary false localization phenomenon in strabismus patients treated by alternate occlusion according to the localization method] Baranowska-George T, et al.
Ann Ocul (Paris) 202:725-33, Jul 69 (Fre)
[Reinforcement of the superior oblique muscles in oblique esotropia in V pattern] Deller M, et al.
Bull Mem Soc Fr Ophtalmol 81:464-79, 1968 (Fre)
[Nystagmus with strabismus: surgical management] Schlossman A.
Bull Mem Soc Fr Ophtalmol 83:233-8, 1970 (Fre)
[500 cases of strabismus cases treated surgically] Gouray A, et al.
Bull Soc Ophtalmol Fr 69:733-8, Jul-Aug 69 (Fre)
[Can all strabismus patients be cured?] Lavat J.
Bull Soc Ophtalmol Fr 68:183-200, Feb 68 (Fre)
[Surgical treatment of divergent strabismus] Demers JP, et al. Union Med Can 100:1616-8, Aug 71 (Fre)
[Surgery in the treatment of strabismus] Mackensen, et al. Ber Dtsch Ophthalmol Ges 70:500-19, 1970 (Ger)
[Strabotomy--details and method] Aichmair H.
Klin Monatsbl Augenheilkd 159:97, Jul 71 (Ger)
[The operative therapy of strabismus divergens] Friemel E.
Klin Monatsbl Augenheilkd 159:96-7, Jul 71 (Ger)
[Surgical treatment in a case of double m. rectus superior] Haase W.
Klin Monatsbl Augenheilkd 158:709-13, May 71 (Ger)
[Indications and technic of surgery in horizontal strabismus] Jonkers GH.
Klin Monatsbl Augenheilkd 159:94-6, Jul 71 (Ger)
[Strengthening and weakening of a muscle pair] Mejer F. Klin Monatsbl Augenheilkd 159:103, Jul 71 (Ger)
[Unilateral and bilateral anterior positioning of the externus in strabismus convergens] Piper HF.
Klin Monatsbl Augenheilkd 159:96, Jul 71 (Ger)
[The value of dosage tablets in the surgical treatment of concomitant convergent strabism] Sommer P, et al.
Klin Monatsbl Augenheilkd 158:84-8, Jan 71 (Ger)
[Strabismus operations] Stangler E.
Klin Monatsbl Augenheilkd 159:100-3, Jul 71 (Ger)
[Motility behavior related to various strabismus operations] Decker W de, et al.
Ophthalmologica 162:115-27, 1971 (Ger)
[The most favorable age for operation in subadductor and convergence strabismus. Bilateral recession of the internal rectus muscle or else myectomy of the inferior oblique muscle] Ditzen K, et al.
Ophthalmologica 161:466-76, 1970 (Ger)
[When to operate in concomitant strabismus] Caccia Perugini G, et al.
Ann Ottalmol Clin Ocul 95:337-52, Apr 69 (Ita)
[On the vertical component of heterotropias. Etiopathogenetic and therapeutic problems] Focosi M, et al. Ann Ottalmol Clin Ocul 95:375-96, May 69 (Ita)
[Results of a test for evaluating the risk of postoperative diplopia in surgery for strabismus] Leonardi E, et al. Boll Ocul 48:943-51, Dec 69 (Ita)
[On the changes of retinal correspondence in concomitant strabismus after surgical intervention] Leonardi E, et al. Boll Ocul 48:848-58, Nov 69 (Ita)
[On the surgical correction of the A and V phenomena in concomitant strabismus by vertical displacement of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the horizontal rectus muscles] Leonardi E, et al.
Boll Ocul 48:837-47, Nov 69 (Ita)
[Clinical and statistical findings in 907 operated cases of concomitant strabismus] Bertoncini G, et al.
Minerva Oftalmol 11:137-44, Sep-Oct 69 (Ita)
[Treatment of strabismic ambiyopia] Fujino T, et al.
Folia Ophthalmol Jap 21:600-4, Sep 70 (Jap)
[Calculation of the degree of intervention in surgical treatment of horizontal squint] Tamura O.
Folia Ophthalmol Jap 22:53-6, Feb 71 (Jap)
[Some problems in strabismus therapy--optimum age and indication for surgery] Inoue H
Ophthalmology (Tokyo) 13:691-5, Jul 71 (Jap)
[Operative technic of muscle elongation using personal method (oculomyodynamometria et elongatio graduata musculi)] Madroszkiewicz M.
Klin Oczna 41:73-81, 1971 (Pol)
[Surgical correction of strabismus in children with A and V syndromes] Pil'man NI, et al.
Oftalmol Zh 25:337-41, 1970 (Rus)
[Modification of tenorrhaphy and tenorraphy with tenomyectomy] Vafnshtefn BI.
Oftalmol Zh 26:26-9, 1971 (Rus)
[Amaurosis after surgery for secondary strabismus] Akchurina GZ, et al.
Vestn Oftalmol 1:90-1, Jan-Feb 70 (Rus)
[Experience in the use of endotracheal anesthesia in surgery on children with strabismus] Grinberg BA, et al. Vestn Oftalmol 5:82-4, 1970 (Rus)
[Immediate and remote results of surgical treatment of strabismus] Chernik IT.
Voen Med Zh 11:64-6, Nov 70 (Rus)
[Experience in surgical treatment of concomitant strabismus] Susorov NA, et al.
Voen Med Zh 7:73-4, Jul 70 (Rus)
[Anesthesia with Gamma-OH in surgery of strabismus in childhood] Tello Porras P.
Rev Esp Anestesiol Reanim 17:382-5, Apr 70 (Spa)

THERAPY

Present trends in orthoptics and pleoptics in Giessen. Amigo G. Am J Optom 47:709-14, Sep 70
Effectiveness of optometric therapy for strabismus in a private practice. Hoffman L, et al.
Am J Optom 47:990-5, Dec 70
An evaluation of prism prescribed by Sheard's criterion. Worrell BE Jr, et al.
Am J Optom 48:373-6, May 71
The management of small-angle esotropia with abnormal retinal correspondence. Christian P.
Am Orthopt J 21:92-5, 1971
Contact lenses in strabismus. Phelps WL.
Am Orthopt J 21:107-9, 1971
Strabismus: early diagnosis and treatment. Johnston G, et al. J Arkansas Med Soc 67:190-2, Nov 70
Diagnosis and management of vertical strabismus. Mazow ML. South Med J 63:1273-6, Nov 70
Pre- and postoperative treatment with prisms in strabismus. Wiegmann OA.
Wis Med J 69:Suppl:34 p, Oct 70
[Optical correction of small deviations] Stiborková M.
Cesk Oftalmol 27:174-8, May 71 (Cze)
[Treatment of excentric fixation by prisms] Garipuy J, et al. Ann Ocul (Paris) 202:607-28, Jun 69 (Fre)
[Criteria of cure of strabismus. The value of the ophthalmoscopic strabometer] Starkiewicz W.
Ann Ocul (Paris) 204:739-48, Jul 71 (Fre)
[The problem of the treatment of eccentric fixation by the application of a prism in front of the strabismic eye and occlusion of the fixing eye] Baranowska-George T.
Arch Ophtalmol (Paris) 30:783-90, Nov 70 (Fre)
[Results of the treatment of 253 primary divergent strabismus cases] Hugonnier R, et al.
Bull Mem Soc Fr Ophtalmol 83:203-16, 1970 (Fre)
[The importance of early treatment of strabismus] Zenatti C, et al.
Bull Mem Soc Fr Ophtalmol 83:161-8, 1970 (Fre)
[Practical problems in treatment of strabismus] De Beir O.
Bull Soc Belge Ophtalmol 156:679-93, 1970 (Fre)
[Statistical results of therapy of strabismic ambiyopia] François J, et al.
Bull Soc Belge Ophtalmol 151:351-62, Mar 69 (Fre)
[Results of treatment of strabismic ambiyopia] Verheyden C, et al.
Bull Soc Belge Ophtalmol 151:380-92, Mar 69 (Fre)
[Prismatic hypercorrection in strabismus treated with the localization method] Baranowska-George T.
Bull Soc Ophtalmol Fr 69:192-4, Feb 69 (Fre)
[Prisms: their use in treatment of anomalous retinal correspondence] Bérard PV, et al.
Bull Soc Ophtalmol Fr 69:1130-9, Dec 69 (Fre)
[The current trend in treatment of functional ambiyopia in strabismus. Occlusive methods] Bérard PV, et al.
Bull Soc Ophtalmol Fr 69:195-208, Feb 69 (Fre)
[Prisms: their use in esotropia with normal retinal correspondence, not surgically treated. Indications; technics; results] Bérard PV, et al.
Bull Soc Ophtalmol Fr 69:53-66, Jan 69 (Fre)
[On the bascule and its relationship to other strabological methods] Berrondo P.
Bull Soc Ophtalmol Fr 69:175-84, Feb 69 (Fre)
[Brief review of methods for balancing the eyes of children with convergent strabismus] Berrondo P.
Bull Soc Ophtalmol Fr 68:250-60, Feb 68 (Fre)
[Use of lenses of progressively increasing strength in various kinds of accommodative esotropia in children] Catros A, et al.
Bull Soc Ophtalmol Fr 68:238-46, Feb 68 (Fre)
[Overcorrection in strabismus without ambiyopia] Pigassou R, et al.
Bull Soc Ophtalmol Fr 69:184-92, Feb 69 (Fre)
[Technical notes. (Examination of the retinal correspondence, treatment of incomitant strabismus with prisms)] Pigassou-Albouy R, et al.
Bull Soc Ophtalmol Fr 70:351-8, Mar 70 (Fre)
[Development of orthoptic technics] Pinçon F, et al.
Bull Soc Ophtalmol Fr 68:222-6, Feb 68 (Fre)
[Exercise sheets for rehabilitation of neutralization] Weiss JB. Bull Soc Ophtalmol Fr 68:236-8, Feb 68 (Fre)
[Surcorrection of 4 diopters in treatment of convergent strabismus with or without ambiyopia] Weiss JB.
Bull Soc Ophtalmol Fr 68:228-31, Feb 68 (Fre)
[Treatment of convergent strabismus with negative glasses] Weiss JB.
Bull Soc Ophtalmol Fr 68:227-8, Feb 68 (Fre)
[Treatment of strabismic ambiyopia] Deller M.
Praxis 60:598-9, 11 May 71 (Fre)
[Orthoptic treatment of divergent intermittent strabismus] Gagnon R, et al.
Union Med Can 99:1490-2, Aug 70 (Fre)
[Normalization of correspondence and elimination of suppression by means of after-treatment with the euthyscope] Holland G.
Ber Dtsch Ophthalmol Ges 70:519-24, 1970 (Ger)
[Therapeutic results in ambiyopia with concomitant strabismus] Fronimopoulos J, et al.
Klin Monatsbl Augenheilkd 158:479-86, Apr 71 (Ger)
[Determination of eyeglasses with special reference to the small child with squint] Kettesy A.
Klin Monatsbl Augenheilkd 157:445-60, Oct 70 (Ger)
[Experience with prism therapy of minor squint angle] Welge-Lüssen L, et al.
Klin Monatsbl Augenheilkd 159:60-6, Jul 71 (Ger)
[Therapy of ambiyopia with excentric fixation in unilateral squint in children, adolescents and adults] Zelawska-Rybusowa H.
Klin Monatsbl Augenheilkd 158:486-93, Apr 71 (Ger)
[Need for early treatment of strabismus] Rotter H.
Wien Med Wochenschr 121:356-8, 24 Apr 71 (Ger)
[Convergent strabismus and the miotics. 3. Accommodative esotropia and the bifocals] Naito S, et al. Acta Soc Ophthalmol Jap 75:794-801, 20 Jan 71 (Jap)
[Esotropia and miotics. IV. The use of Varilux lens in the management of accommodative esotropia] Tazawa H, et al.
Acta Soc Ophthalmol Jap 75:802-9, 20 Jan 71 (Jap)
[Meaning of absolute gain in the treatment of strabismic ambiyopia] Brik M.
Rev Bras Oftalmol 29:363-70, Dec 70 (Por)
[Spheroprismatic media for correcting binocular vision in strabismus] Utekhin IuA, et al.
Nov Med Priborostr 2:98-102, 1967 (Rus)
[Effectiveness of treatment of strabismus and its complications in a specialized kindergarten] Khaletskaia LIa, et al.
Oftalmol Zh 25:341-3, 1970 (Rus)
[The treatment of concomitant strabismus by electric stimulation of the oculomotor muscles] Merzlikina GI.
Oftalmol Zh 25:508-11, 1970 (Rus)
[1st results of treating strabismus and ambiyopia at a specialized sanatorium department] Bonova NS, et al.
Vestn Oftalmol 1:75-7, Jan-Feb 70 (Rus)

STRAMONIUM (B6, D2)

Cornpicker's pupil: Jimson weed mydriasis. Thompson HS. J Iowa Med Soc 61:475-7, Aug 71
[Effect of phosphorus compounds on reproduction of potato X-virus in tissue culture of the Datura stramonium] Didenko LF, et al.
Mikrobiol Zh 32:478-81, May-Jun 70 (Ukr)

ADVERSE EFFECTS

[Asthmatol psychosis] Shenderov BL.
Klin Med (Mosk) 47:147-8, Sep 69 (Rus)

ANALYSIS

[Datura stramonium as a narcotic] Dieckhöfer K, et al.
Nervenarzt 42:431-7, Aug 71 (Ger)
[Infectivity of RNA preparations from tissue infected with potatoe X-virus] Mikheeva II.
Mikrobiol Zh 31:469-74, Sep-Oct 69 (Ukr)

METABOLISM

[Studies on glycoside formation in plant tissue culture] Pilgrim H. Pharmazie 25:568, Sep 70 (Ger)
[Changes in the content of RNA, DNA and protein in leaf chloroplasts of Stramonium when affected by different strains of the potato X-virus] Moskovets SN, et al. Mikrobiol Zh 33:60-4, 1971 (Ukr)
[Effect of artificial shading on nitrogen metabolism of Datura stramonium plants attacked by X-virus] Skofenko AA, et al. Mikrobiol Zh 32:247-50, 1970 (Ukr)

STRATIGRAPHY see under TOMOGRAPHY (E1)

STREPTOBACILLUS (B3)

[Neurologic complications of septicemias caused by Haverhillia multiformis] Leng-Levy J, et al.
Lyon Med 225:Suppl:131-5, 1971 (Fre)

ISOLATION & PURIFICATION

[Rat-bite fever] Closs O.
Tidsskr Nor Laegeforen 91:275-7, 10 Feb 71 (Nor)

STREPTOCOCCAL INFECTIONS (C1)

Infection of newborn infants with Streptococcus agalactiae (Lancefield group B) in relation to its occurrence in the vaginal flora of term pregnant women. Bergqvist G, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:107+, 1970
Neonatal infections caused by Streptococcus agalactiae (Lancefield group B). Bergqvist G, et al.
Acta Pathol Microbiol Scand [B] 78:270, 1970
Necrotizing fasciitis. Rea WJ, et al.
Ann Surg 172:957-64, Dec 70
Histopathological studies in post-streptococcal glomerulonephritis. Glasgow EF.
Arch Dis Child 45:712-3, Oct 70
Rheumatic fever.
Arthritis Rheum 13:461-72, Sep-Oct 70
Streptococcal meningitis. Hempling SM, et al.
Br Med J 2:166, 17 Apr 71
Independence of the nephritogenicity of group A streptococci from their M types. Treser G, et al.
Clin Exp Immunol 9:57-62, Jul 71
Group B streptococcal septicaemia as the cause of death of a child. Livoni P, et al.
Dan Med Bull 15:271-2, Nov 68
Streptococcal infection in childhood and adolescence. Gupta BN. J Indian Med Assoc 55:105-8, 1 Aug 70
Group B streptococcus infections in man. Perch B, et al.
JAMA 216:1484, 31 May 71
Neonatal infection due to group B streptococcus. Franciosi RA, et al. Rocky Mt Med J 68:48-52, Feb 71
[Chronic experimental disease of mice with group A streptococci] Wahl R.
C R Acad Sci [D] (Paris) 271:1823-5, 16 Nov 70 (Fre)
[Current place of the streptococci infectious pulmonary pathology] Guillermand], et al.
Poumon Coeur 25:847-71, 1969 (Fre)
[Enterococcal granuloma in infancy] Gross U, et al.
Hautarzt 22:35-6, Jan 71 (Ger)
[Clinical picture and course of pustulous bacterids] Weise HM.
Z Haut Geschlechtskr 46:319-37, 15 May 71 (Ger)
[Data on some etio-pathogenetic aspects of streptococcal infections with special reference to the L forms] Filocamo G.
G Mal Infett Parassit 22:117-22, Feb 70 (Ita)
[Symposium on Streptococcal infections] Kodama I, et al. J Jap Assoc Infect Dis 45:236-43, Jun 71 (Jap)
[Symposium: hemolytic Streptococcus infection] Shinogawa I, et al.
J Jap Assoc Infect Dis 44:356-60, Sep 70 (Jap)
[Activity of streptococcal foci and immunological shifts in the organism of the mother and fetus in rheumatic heart disease] Beglarian AG, et al.
Vopr Okhr Materin Det 15:51-5, Sep 70 (Rus)
[Importance of streptococcal infection in rheumatism in children] Sinaiuk AS, et al.
Vopr Okhr Materin Det 15:87-8, Aug 70 (Rus)
[Effect of hemolytic streptococcus carrier state in the pharynx of healthy pregnant women on the intrauterine fetus] Terent'eva TA, et al.
Vopr Okhr Materin Det 16:65-9, Jan 71 (Rus)

BLOOD

Cell growth regulating factors in viral infections and other diseases. Wahren B, et al.
Exp Cell Res 68:396-400, Jun 71
Assessment of streptococcal infections. Antistreptolysin O titers. (1966--1967), Qalyub. Sorour AH, et al. J Egypt Med Assoc 52:Suppl 8-9:53+, 1969
[Treatment of allergic uveitis by bacterial sensitization with perfusions of plasma from previously vaccinated patients] Bregeat P, et al.
Arch Ophtalmol (Paris) 31:15-28, Jan 71 (Fre)
[Serum inhibitors of streptolysin "O" in acute epidemic hepatitis] Elias A, et al.
Arch Hyg Bakteriol 154:52-7, Jun 70 (Ger)
[Serum sulfhydryl groups and resorption of radioactive phosphorus by erythrocytes in rheumatism and experimental streptococcal infection] Kozlov GS, et al. Ter Arkh 42:122-5, Sep 70 (Rus)
[Haptoglobins and streptococcal glomerulonephritis in childhood] Doneva V, et al.
God Zb Med Fak Skopje 16:321-36, 1970 (Ser)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

Electron microscopic alterations of the glomerular capillaries in children with poststreptococcal glomerulonephritis. Kobayashi O, et al.
Acta Med Biol (Niigata) 19:75-91, Jun 71

Extrarenal symptomatic glomerulonephritis in children. Kobayashi O, et al.
Acta Med Biol (Niigata) 19:66-74, Jun 71

Pathogenesis of "rheumatic" heart disease. Kalbian VV. Am Heart J 81:579, Apr 71

Two unusual cases of mural endocarditis, with a review of the literature. Persaud V.
Am J Clin Pathol 53:832-8, Jun 70

Streptococci erythemas and their relationship to scarlet fever. Gabritschewsky G.
Am J Dis Child 121:191-4, Mar 71

The pathogenesis of the renal lesion in a patient with streptococcal disease, infected ventriculoatrial shunt, cryogobulinemia and nephritis. Kaufman DB, et al.
Am J Med 50:262-8, Feb 71

Superior vena cava syndrome following complete correction (mustard repair) of transposition of the great vessels. Mazzei EA, et al.
Ann Thorac Surg 11:243-5, Mar 71

Endemic nephritis and streptococcal infections in South Trinidad. Surveillance studies during the first year following a major epidemic. Ortiz JS, et al.
Arch Intern Med 126:640-6, Oct 70

Epidemic glomerulonephritis in Hawaii. Bell TD.
Clin Pediatr (Phila) 10:380-4, Jul 71

Lancefield group F streptococci causing liver abscess and empyema. Koshi G, et al.
Indian J Med Res 59:45-9, Jan 71

Culture determines treatment. Simko MV.
J Am Podiatry Assoc 61:350-1, Sep 71

Co-existing pathologies. Yarnevich CS.
J Am Podiatry Assoc 61:270-3, Jul 71

Experimental streptococcal glomerulonephritis: longitudinal study of a laboratory model resembling human acute poststreptococcal glomerulonephritis. Vosti KL, et al. J Infect Dis 122:249-59, Oct 70

Brain abscess due to Streptococcus equisimilis in a maltworker. Dinn JJ. J Ir Med Assoc 64:50-1, 21 Jan 71

Simultaneous occurrence of streptococcal pharyngitis and infectious mononucleosis. Gibson BC, et al.
J Ky Med Assoc 68:650 passim, Oct 70

Group A beta-haemolytic streptococcal septicaemia. Complications and management. Clarke GM, et al.
Med J Aust 1:324-7, 6 Feb 71

The renal response to streptococcal infection. Freedman P, et al.
Medicine (Baltimore) 49:433-63, Nov 70 (150 ref.)

A fatal case of group C streptococcal endocarditis. Case report. Bullock JD, et al. Mo Med 67:595-8, Aug 70

Rheumatic fever after streptococcal otitis media. Shrand H. N Engl J Med 284:221, 28 Jan 71

Risk of rheumatic-fever recurrences after streptococcal infections. Prospective study of clinical and social factors. Spagnuolo M, et al.
N Engl J Med 285:641-7, 16 Sep 71

Two family outbreaks of perianal cellulitis associated with group A beta-hemolytic streptococci. Hirschfeld AJ. Pediatrics 46:799-802, Nov 70

Streptococcal skin infection and acute glomerulonephritis. Dillon HC Jr.
Postgrad Med J 46:841-52, Nov 70 (33 ref.)

Considerations on the nephritogenic properties of the group C streptococcus, type zooepidemicus. Duca E, et al.
Rev Med Chir Soc Med Nat Iasi 75:105-10, Jan-Mar 71

[Retropharyngeal abscess] Grenier B, et al.
Ann Pediatr (Paris) 17:55-7, 2 Jan 70 (Fre)

[Various epidemiologic and prophylactic problems concerning the correlation between rheumatic fever and streptococcal angina] Ivan IM, et al.
Arch Roum Pathol Exp Microbiol 28:75-84, Mar 69 (Fre)

[Acute endo-myocarditis during Streptococcus D septicemia. Recovery] Martin C, et al.
Bord Med 3:2458, Oct 70 (Fre)

[Macular hemorrhages and streptococcal allergy] Hamard H, et al.
Bull Mem Soc Fr Ophtalmol 83:88-96, 1970 (Fre)

[Streptococcal infections an hypertension] Hantschmann L. Hippokrates 42:121-2, Mar 71 (Ger)

[Type and frequency of initial infection in subsepsis allergica] Lorenz K, et al.
Monatsschr Kinderheilkd 117:60-6, Feb 69 (Ger)

[In which rheumatologic diseases should the immunologic etiology be considered?] Lenoch F.
Z Gesamte Inn Med 24:Suppl:136-9, 1 Jan 69 (Ger)

[Acute myosities of the extraocular muscles and erythema nodosum] Sachs W, et al.
Harefuah 77:239-40, 15 Sep 69 (Heb)

[Further data on the immunological pathogenesis of post-streptococcal sequelae] De Bac C.
G Mal Infett Parassit 22:164-6, Feb 70 (Ita)

[Rheumatic disease as a social problem: its etiopathogenetic and immunoprophylactic aspects] Di Rocco P. Ig Med 62:681-96, 1969 (Ita)

[Familial glomerulonephritis following streptococcal infection] Szewczyk Z, et al.
Pol Tyg Lek 26:748-51, 17 May 71 (Pol)

[Streptococcal allergic vasculitis of the skin] Uzunian LKh, et al. Klin Med (Mosk) 49:75-80, Mar 71 (Rus)

[The role of the tonsils in the development of tuberculosis of the cervical lymph nodes] Novruzov MA. Probl Tuberk 49:83-6, 1971 (Rus)

[The role of pyococcal infection in the pathogenesis of the mycotic process (clinico-experimental study)] Mar'iasis ED, et al.
Vestn Dermatol Venerol 44:45-50, Jun 70 (Rus)

[Infections of the upper respiratory tract and lymphadenitis of the neck in children] Cuk V.
Med Pregl 23:243-5, 1970 (Ser)

[Acute post-streptococcal glomerulonephritis: a study of inter-familial epidemiology] Gianantonio CA, et al.
Medicina (B Aires) 30:319-29, Jul-Aug 70 (Spa)

DIAGNOSIS

Comparison of the streptozyme test with the antistreptolysin O, antideoxyribonuclease B, and antihyaluronidase tests. Klein GC, et al.
Appl Microbiol 21:257-9, Feb 71

"Upper limits of normal" antistreptolysin O and antideoxyribonuclease B titers. Klein GC, et al.
Appl Microbiol 21:999-1001, Jun 71

Diagnosis and treatment of throat infections in children. Stewart DA, et al.
Can Med Assoc J 105:69-71, 10 Jul 71

Cost and effectiveness of a program to prevent rheumatic fever. Robinson D.
HSMHA Health Rep 86:385-9, Apr 71

Assessment of the reliability of a set of screening criteria for the early detection of clinical streptococcal infections and rheumatic fever. Sorour AH, et al. J Egypt Med Assoc 52:Suppl 8-9:32+, 1969

Hemolysis in the isolation of beta hemolytic streptococci on sheep blood agar plates and the sensitivity of the organism to bacitracin. Soruor AH, et al. J Egypt Med Assoc 52:Suppl 8-9:94+, 1969

Streptococcal infections: why it's important to diagnose and treat them quickly. Rammelkamp CH Jr, et al. Med Times 99:48-57, Feb 71

Rheumatic fever and throat culture. Bisno AL, et al.
N Engl J Med 283:1111-2, 12 Nov 70

Rheumatic fever and throat culture. Nelson R.
N Engl J Med 283:1111, 12 Nov 70

[Streptococcal gangrene (necrotic fasciitis)] Robert M, et al. Praxis 59:1792-8, 22 Dec 70 (Fre)

[Atypical course of a streptococcus-viridans infection] Freitag V, et al. Med Klin 66:882-5, 11 Jun 71 (Ger)

[A new medium for the isolation of beta-haemolytic streptococci] Liebermeister K, et al.
Z Med Mikrobiol Immunol 156:149-53, 1971 (Ger)

[Preparation of streptococcal antigens for the complement fixation test. Diagnostic use in subjects with streptococcal diseases] Milli G, et al.
G Ig Med Prev 10:541-51, Dec 69 (Ita)

[Behavior of the ASL titer in diseases of rheumatic origin, determined with the traditional method and with the latex test] Parodi E, et al.
G Ig Med Prev 11:188-200, Jul-Sep 70 (Ita)

[Indirect immunofluorescence in the serological diagnosis of streptococcal infections. I. Its use in rheumatic disease] Ciampolini M, et al.
Minerva Pediatr 21:2431-9, 29 Dec 69 (Ita)

[Serological diagnosis of hemolytic streptococcus infection quality control of the ASLO test] Nishimura T. Iryo 25:117-26, Feb 71 (Jap)

[On some factors which influence the ASLO reaction] Andreicuț S, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:81-5, Jan-Feb 71 (Rum)

[Study of post-streptococcal hypersensitivity by means of the streptolysin O skin test in the framework of complex epidemiologic investigations] Mihalcu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:493-504, Nov-Dec 70 (Rum)

[Evaluation of intradermal diagnostic tests] Nazarov VV. Vestn Oftalmol 2:58-9, 1971 (Rus)

[Streptococcal angina from the viewpoint of an outpatient pediatrician] Cuk V.
Med Pregl 24:81-3, 1971 (Ser)

DRUG THERAPY

Treatment of group A streptococcal pharyngitis in children. Comparison of lincomycin and penicillin G given orally and benzathine penicillin G given intramuscularly. Howie VM, et al.
Am J Dis Child 121:477-80, Jun 71

Streptococcal ecthyma. Treatment with benzathine penicilin G. Kelly C, et al.
Arch Dermatol 103:306-10, Mar 71

Diagnosis and treatment of throat infections in children. Stewart DA, et al.
Can Med Assoc J 105:69-71, 10 Jul 71

Prevention of rheumatic fever. A statement prepared by the Rheumatic Fever Committee of the Council on Rheumatic Fever and Congenital Heart Disease of the American Heart Association.
Circulation 43:983-8, Jun 71

The therapeutic potential of the lincomycin antibiotics. Holloway WJ.
Int Z Klin Pharmakol Ther Toxikol 4:321-4, Apr 71

Clinical trial of topical nitrofurazone, with or without hydrocortisone, in 252 children with skin infections. Sandifer SH. J SC Med Assoc 66:363-5, Oct 70

The present status of streptomycin in antimicrobial therapy. Martin WJ.
Med Clin North Am 54:1161-72, Sep 70 (12 ref.)

Cephalexin and penicillin therapy of childhood beta-hemolytic streptococcal infections. Disney FA, et al. Postgrad Med J 47:Suppl:47-51, Feb 71

Studies on cephalosporin therapy of experimental streptococcal and staphylococcal infections in monkeys. Saslaw S.
Postgrad Med J 47:Suppl:20-5, Feb 71

Common pitfalls in the management of streptococcal infections. Markowitz M.
Zentralbl Bakteriol [Orig] 214:417-22, 1970

[The role of lincomycin in the treatment of streptococcal endocarditis. Apropos of 4 cases] Sternon J, et al.
Acta Cardiol (Brux) 25:51-7, 1970 (Fre)

[Contribution of the antibiotherapy laboratory to the conduct of treatment of streptococcal B meningitis complicated by subdural hematoma] Pesnel G, et al.
Arch Fr Pediatr 28:448-9, Apr 71 (Fre)

[Extensive spontaneous cutaneous gangrene of the back of pure streptococcal etiology in an adult. Cure by lincomycin] Fayolle MJ.
Bull Soc Fr Dermatol Syphiligr 76:707-8, 1969 (Fre)

[Apropos of 220 strains of Streptococcus isolated in hospital blood cultures. Study of the bactericidal action of antibiotics and their associations] Christol D, et al. Lyon Med 225:Suppl:99-106, 1971 (Fre)

[Studies on bactericidal activity in the therapy of enterococcal endocarditis] Tauchnitz C.
Dtsch Med Wochenschr 96:518, 19 Mar 71 (Ger)

[Treatment of acute streptococcal infections for the primary prevention of rheumatic fever and glomerulonephritis] Cohen J, et al.
Harefuah 77:331-3, 15 Oct 69 (Heb)

[Therapeutic experience with a new cephalosporin: celhalexin] De Rosa F, et al.
Clin Ter 54:129-38, 31 Jul 70 (Ita)

[Basic trends in the prevention and therapy of rheumatic fever]
Policlinico [Prat] 77:1258-60, 28 Sep 70 (Ita)

[Action of rifamycin AMP on bacterial flora present in bronchial secretions] Ninni A, et al.
Rass Int Clin Ter 50:1338-42, 15 Nov 70 (Ita)

[Antibiotics produced by Streptomyces spinichromogenes var. kujimyceticus. 4. Therapeutic effects of kujimycins A and B in experimental infections in mice] Namiki S, et al.
Jap J Antibiot 23:279-86, Jun 70 (Jap)

[Bacterial pneumonia] Shiota K, et al.
Naika 27:1228-32, Jun 71 (Jap)

[Antistreptolysin "O" dynamics in streptococcal infections treated with penicillin] Bărbulescu E.
Rev Med Chir Soc Med Nat Iasi 75:133-7, Jan-Mar 71 (Rum)

[Leukomycin in gram positive infections] Ramirez Aznar G. Prensa Med Mex 35:280-3, May-Jun 70 (Spa)

[Lincomycin in the treatment of gram positive infections] Ramirez Aznar G.
Prensa Med Mex 33:44-6, Jan-Feb 68 (Spa)

[Treatment of enterococcal septicemia and endocarditis] Bengtsson E, et al.
Lakartidningen 68:1067-92, 3 Mar 71 (Swe)

[Cephalexin: microbiological activity in vitro and in vivo] Muggleton PW, et al.
Antibiotica 7:93-128, Jun 69 (Mul)

ENZYMOLOGY

Isoenzymes of lactatedehydrogenase in experimental streptococcal myocarditis. Popova N, et al.
Nauchni Tr Vissh Med Inst Sofiia 49:25-30, 1970

ETIOLOGY

The etiology of the cocci type "streptokokkentyp" vaginal smear. Leppäluoto PA.
Acta Cytol (Baltimore) 15:211-5, May-Jun 71

Multiple organ necrosis after lobectomy. Bradham RR, et al. Am Surg 37:439-40, Jul 71

Teeth and Streptococcus viridans endocarditis. Juel-Jensen BE. Lancet 1:1351, 26 Jun 71

Streptococcal infection leading to cardiac and renal involvement in thalassaemia. Wasi P.
Lancet 1:949-50, 8 May 71

Group A streptococcal infections in newborn nurseries. Geil CC, et al. Pediatrics 46:849-54, Dec 70

Group B streptococci in human pathology. Jelínková J, et al. Zentralbl Bakteriol [Orig] 214:450-7, 1970

Renal complex disease: streptococcus. Michael AF.
Zentralbl Bakteriol [Orig] 214:398-401, 1970

[The role of "O" streptolysin and ASLO antibodies in the induction of allergic arthritis and cardiac lesions of the rheumatic type in rabbits] Elias A, et al.
Arch Roum Pathol Exp Microbiol 29:175-81, Mar-Jun 70 (Fre)

[Post-contusional uveosis and uveitis] Remky H.
Bull Mem Soc Fr Ophtalmol 82:261-4, 1969 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Streptococcus angina, myocarditis and toxoplasmosis following splenectomy] Renschler HE, et al. Internist (Berlin) 11:150-1, Apr 70 (Ger)

FAMILIAL & GENETIC

[Geneticoepidemiologic investigation in prevention and control of streptococcal infections] Ivan IM, et al. Arch Roum Pathol Exp Microbiol 28:85-95, Mar 69 (Fre)

IMMUNOLOGY

Cryoproteins in poststreptococcal glomerulonephritis. McIntosh RM. Ann Intern Med 73:857, Nov 70
Heart-reactive antibody associated with rheumatic fever: characterization and diagnostic significance. Zabriskie JB, et al. Clin Exp Immunol 7:147-59, Aug 70
Serologic groups of hemolytic streptococci in human infections. Koshi G. Indian J Med Res 59:394-400, Mar 71
Intrapulmonary lymphoid tissue of pigs exposed to aerosols of haemolytic streptococcus group L and porcine adenovirus. Jericho KW, et al. J Comp Pathol 81:1-11, Jan 71
The role of streptococci in human glomerulonephritis. Zabriskie JB. J Exp Med 134:Suppl:180s+, 1 Sep 71
Human streptococcal disease syndrome compared with observations in chimpanzees. II. Immunologic responses to induced pharyngitis and the effect of treatment. Zimmerman RA, et al. J Infect Dis 122:280-9, Oct 70
Variation in the M-antigen of group A streptococci. Valkenburg HA, et al. Zentralbl Bakteriol [Orig] 214:317-21, 1970
The relation between M-typability of group A streptococci, virulence and antibody response in general practice. Valkenburg HA, et al. Zentralbl Bakteriol [Orig] 214:458-64, 1970
Serum antibodies to streptococci in rheumatic fever, glomerulonephritis and chorea. Wannamaker LW. Zentralbl Bakteriol [Orig] 214:331-8, 1970
[Some aspects of antistreptococcal immunological reactivity in aged subjects] Mihalcou F, et al. Arch Roum Pathol Exp Microbiol 28:361-72, Jun-Sep 69 (Fre)
[Antistreptokinase titer, cutaneous reaction and blastic transformation of lymphocytes by streptokinase at various ages] Biscatti G, et al. Boll Soc Ital Biol Sper 45:1237-9, 15 Oct 69 (Ita)
[Changes of gamma globulins of type A in some diseases in childhood] Bardare M, et al. Minerva Pediatr 23:170-3, 4 Feb 71 (Ita)
[Behavior of "hyperimmune globulins" in the course of "streptococcal diseases"] Castello D, et al. Minerva Pediatr 23:723-4, 21 Apr 71 (Ita)
[Experimental sudies on the allergy by Streptococcus hemolyticus] Muramatsu S. Jap J Allergy 19:868-81, Dec 70 (Jap)
[Antibodies to several microbes in the sera of acute leukemia patients] Krotova TA, et al. Vopr Onkol 17:25-9, 1971 (Rus)
[Significance of type specific anti-M-antibodies of experimental streptococcal infection] Bogdanov L, et al. Srp Arh Celok Lek 98:897-903, Jun 70 (Ser)
[Effect of prophylactic vaccination upon general reactivity and the state of streptococcal infections in children] Shatilo TA. Pediatr Akush Ginekol 5:21-2, Sep-Oct 70 (Ukr)

METABOLISM

Comparative follow up of methionine 35 sulphur incorporation in the total proteins of the nervous system in experimental encephalitis and in serial streptococcal infection. Rainov A, et al. Nauchni Tr Vissh Med Inst Sofiia 49:35-9, 1970

MICROBIOLOGY

Type distribution of Streptococcus pyogenes in the years 1964-65 and 1968-69. Szita J, et al. Acta Microbiol Acad Sci Hung 17:347-56, 1970
Infections caused by unusual beta hemolytic streptococci. Braunstein H, et al. Am J Clin Pathol 55:424-30, Apr 71
Reliability of bacteriologic identification of -hemolytic streptococci in private offices. Battle CU, et al. Am J Dis Child 122:134-6, Aug 71
Groups B, C, and G streptococcal infections in a cancer hospital. Armstrong D, et al. Ann NY Acad Sci 174:511-22, 30 Oct 70
Search for the L-phase of Streptococcus faecalis in kidneys of rats experimentally infected with the bacterial phase and treated with penicillin. Clasener HA, et al. Ann NY Acad Sci 174:880-95, 30 Oct 70
Bacteriologic and immunoallergic aspects in streptoderma. Mihalcu F, et al. Arch Roum Pathol Exp Microbiol 29:197-203, Mar-Jun 70
Rheumatogenic and nephritogenic streptococci. Stollerman GH. Circulation 43:915-21, Jun 71
Changing types of nephritogenic streptococci in Trinidad. Potter EV, et al. J Clin Invest 50:1197-205, Jun 71
Decline in frequency of isolation of tetracycline-resistant beta-haemolytic streptococci from ear, nose and throat 1967-71. Rees TA. Lancet 1:938-9, 8 May 71
Tetracycline-resistant haemolytic streptococci in Kuala Lumpur. Ampalam SD, et al. Med J Malaya 25:220-2, Mar 71
The anatomical area of involvement in streptococcal infections and the carrier state. Quinn RW, et al. Yale J Biol Med 43:1-10, Aug 70
L-phase colonies cultured from mice infected with group A hemolytic streptococci. Clasener HA. Zentralbl Bakteriol [Orig] 214:329-30, 1970
[Meningitis caused by group R Lancefield streptococci in a hog butcher; a zoonosis] Zanen HC. Ned Tijdschr Geneeskd 114:1660-1, 3 Oct 70 (Dut)
[Bacteriological aspects of bacterial endocarditis] Castagnou F, et al. Cah Med 11:1113-4, 10 Nov 70 (Fre)
[Biology of the L-phase of group A streptococci] Schmitt-Slomska J. Zentralbl Bakteriol [Orig] 214:322-8, 1970 (Fre)
[Research and identification of the streptococci in acute oro-pharyngeal infections in the district of Verona. (Preliminary report)] Galvani A, et al. Fracastoro 63:794-9, Sep-Oct 70 (Ita)
[Streptococcal infection and secondary diseases. 1. Localization and persistence of Streptococcus in mice] Okuni H, et al. Jap J Bacteriol 26:29-35, Feb 71 (Jap)
[Microbiological studies in the treatment of peritonitis] Fedorov VD, et al. Khirurgiia (Mosk) 47:52-60, Jan 71 (Rus)
[Biocenotic relationship between hemolytic streptococcus and Streptococcus viridans in rheumatism and acute streptococcal infections] Usviatsov BIa, et al. Vopr Revm 11:58-61, Jan-Mar 71 (Rus)
[Biologic characteristics of group D streptococci isolated from fetuses and newborns expiring during the perinatal period] Golius GI. Zh Mikrobiol Epidemiol Immunobiol 47:96-100, Jun 70 (Rus)

OCCURRENCE

A newly prevalent type of beta hemolytic Streptococcus in Chicago. Potter EV, et al. Am J Epidemiol 93:102-10, Feb 71
Considerations from a bacterial ecorelation viewpoint in an acute respiratory infection focus. Spînu I, et al. Arch Roum Pathol Exp Microbiol 29:315-24, Mar-Jun 70
Streptococcal pharyngitis in children. Koshi G, et al. Indian J Med Res 58:161-7, Feb 70
Streptococcal infection in a large general hospital. Freeman R. J Clin Pathol 24:300-3, May 71
Tentative estimate of the prevalence of beta haemolytic streptococci among rural school children population. Qualyub (January--May, 1967). Sorour AH, et al. J Egypt Med Assoc 52:Suppl 8-9+, 1969
Dental status and recurrence of Streptococcus viridans endocarditis. Croxson MS, et al. Lancet 1:1205-7, 12 Jun 71
An epidemic of pharyngitis due to a nonhemolytic group A streptococcus at lowry air force base. James L, et al. N Engl J Med 284:750-2, 8 Apr 71
Epidemiological study on beta-hemolytic streptococcal infections in Yamagata Prefecture. Sakano S. Tohoku J Exp Med 103:167-83, Feb 71
[Occurrence of streptococcal infections and the prevalence of type A groups of hemolytic streptococci in an urban health district] Duben J, et al. Cesk Epidemiol Mikrobiol Imunol 19:230-9, Sep 70 (Cze)
[Epidemiology of streptococcal infections in nursery schools] Köhler W, et al. Zentralbl Bakteriol [Orig] 214:440-9, 1970 (Ger)
[Epidemiology of rheumatic fever] Carcassi A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1070-92, 1968 (Ita)
[Occurrence of Streptococcus A beta-hemolyticus carriers in school children of Fondi (Latium)] D'Arca Simonetti A, et al. Nuovi Ann Ig Microbiol 20:111-23, Mar-Apr 69 (Ita)
[Incidence of some potentially pathogenic bacteria in hospitals] Antonescu M, et al. Microbiol Parazitol Epidemiol (Bucur) 16:227-34, May-Jun 71 (Rum)
[Epidemiological observations on manifestations of bacterial colonization in newborn infants of a maternity hospital] Ionescu T, et al. Microbiol Parazitol Epidemiol (Bucur) 16:49-55, Jan-Feb 71 (Rum)
[Epidemic of streptococcal angina or alimentary origin] Nicolau G, et al. Microbiol Parazitol Epidemiol (Bucur) 16:247-52, May-Jun 71 (Rum)
[Hemolytic streptococcus carrier state in scarlet fever foci and outside the foci] Gladkova KK, et al. Zh Mikrobiol Epidemiol Immunobiol 48:109-13, 1971 (Rus)
[Microbial flora of the pharynx and dynamics of immunologic reactions in acute respiratory diseases in children] Zhoga VD. Zh Mikrobiol Epidemiol Immunobiol 48:113-7, 1971 (Rus)

PATHOLOGY

Streptococcal cell wall structure inducing hepatic granuloma. Heymer B, et al. Arch Pathol 92:84-92, Aug 71
Ultrastructural pathology of mastitis in the mouse. A study of experimental staphylococcal and streptococcal infections. Chandler RL. Br J Exp Pathol 51:639-45, Dec 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46-1970. N Engl J Med 283:1042-50, 5 Nov 70
[Gangrenous fasciitis (streptococcal gangrene)] Laugier P, et al. Ann Dermatol Syphiligr (Paris) 97:493-500, 1970 (Fre)

PHYSIOPATHOLOGY

[Changes in the phonocardiogram and structure of the cardiac cycle during streptococcal tonsillitis in dogs] Kvitnitskiĭ ME. Biull Eksp Biol Med 66:35-6, 1968 (Rus)

PREVENTION & CONTROL

A community-wide streptococcal control project. The Natrona County Primary Prevention Program, Casper, Wyo. Phibbs B, et al. JAMA 214:2018-24, 14 Dec 70
Should good teeth be extracted to prevent streptococcus viridans endocarditis? Simon DS, et al. Lancet 1:1207-9, 12 Jun 71
Prophylactic treatment of recurrent attacks of uveitis due to I. toxoplasmosis and 2. streptococci. Linton RG. Trans Aust Coll Ophthalmol 1:88-9, 1969
Primary immunization of infants and children with group A streptococcal M protein. Fox EN, et al. Zentralbl Bakteriol [Orig] 214:352-63, 1970
[Geneticoepidemiologic investigation in prevention and control of streptococcal infections] Ivan IM, et al. Arch Roum Pathol Exp Microbiol 28:85-95, Mar 69 (Fre)
[Is tonsillectomy still justified in the prevention of streptococcal infections?] Sodomann CP. Internist (Berlin) 12:322-8, Aug 71 (Ger)
[Bacterial hospitalism in the light of current knowledge on the origin and mechanism of antibiotic resistance] Lebek G. Med Monatsschr 24:142-5, Apr 70 (Ger)
[The importance of streptococcal research for clinical practice. (With reference to new therapeutic possibilities)] Marget W. Zentralbl Bakteriol [Orig] 214:393-7, 1970 (Ger)
[Prospects of preparation of a vaccine against group A Streptococcus] Romagnani S. Folia Allergol (Roma) 16:443-8, Sep-Oct 69 (Ita)
[Focal infections in rheumatic fever and the prevention of streptococcal infections] Bardadin T. Reumatologia 9:175-9, 1971 (41 ref.) (Pol)

THERAPY

[Treatment of purulent pleurisy caused by pyogens] Poulet J. Cah Coll Med Hop Paris 10:291-6, 15 Apr 69 (Fre)
[Treatment of acute glomerulonephritis] Hagge W. Zentralbl Bakteriol [Orig] 214:424-7, 1970 (Ger)
[Use of autovaccines in the treatment of various chronic diseases] Lipkin ME, et al. Zh Mikrobiol Epidemiol Immunobiol 46:71-3, Oct 69 (Rus)

VETERINARY

Studies on the toxic effect of mouse-pathogenic strains of enterococci isolated from foods. Pusztai S, et al. Acta Vet Acad Sci Hung 21:55-60, 1971
The distribution of group E streptococcus among lymph nodes of experimentally infected swine. Armstrong CH, et al. Can J Comp Med 35:87-90, Jan 71
The numbers of intramammary infections and teat duct colonizations in a herd of twins during a hygiene experiment. Newbould FH, et al. Can J Comp Med 34:203-8, Jul 70
An experimental method of vaccination for a Streptococcus agalactiae infected herd. Johnson SD, et al. Cornell Vet 61:258-64, Apr 71
Swine abscesses caused by Lancefield's group E streptococci. 8. Specificity of the precipitin test for their detection with relation to streptococcal antigens of groups A and G. Shuman RD, et al. Cornell Vet 61:45-58, Jan 71
Swine abscesses caused by Lancefield's group E streptococci. VII. Specificity of the precipitin test for their detection with relation to streptococcal antigens of groups C and L. Shuman RD, et al. Cornell Vet 60:570-81, Oct 70
Response of bovine to immunization against

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Streptococcus dysgalactiae. Stark DM, et al.
Cornell Vet 60:604-12, Oct 70
Swine abscesses caused by Lancefield's group E streptococci. IX. Comparison of the precipitin, hemagglutination and agglutination tests for their detection. Wessman GE, et al.
Cornell Vet 61:400-14, Jul 71
Osteomyelitis and arthritis induced in swine by Lancefield's group A streptococci (streptococcus pyogenes). Wood RL, et al.
Cornell Vet 61:457-70, Jul 71
Group G streptococci in the udders of a Pennsylvania dairy herd. Eberhart RJ, et al.
J Am Vet Med Assoc 157:1195-9, 1 Nov 70
Evaluation of erythromycin in the treatment of infectious bovine mastitis. Schultz EJ.
J Am Vet Med Assoc 152:376-9, 15 Feb 68
Incidence of intramammary infections and effects of number of lactations, lactation stage, quarter and calf sex on somatic cell content of milk from Angus-Holstein F-1 cows. Wilson LL, et al.
J Anim Sci 33:433-7, Aug 71
Experimental infection of the non-lactating bovine udder with Staphylococcus aureus and Streptococcus uberis. Reiter B, et al. Res Vet Sci 11:18-26, Jan 70
The use of rifamycin SV in the treatment of bovine mastitis. Redaelli G, et al. Vet Rec 88:297-304, 20 Mar 71
[Biochemical and serological characters of Streptococcus uberis] Roguinsky M.
Ann Inst Pasteur (Paris) 120:154-63, Feb 71 (Fre)
[Successful treatment of mastitis using selected antibiotic therapy] Kramer R, et al.
Dtsch Tieraerztl Wochenschr 77:82-3, 15 Feb 70 (Ger)
[Clinico-morphological changes in streptococcal infections in chickens] Smenov VA, et al.
Veterinariia 11:77-8, Nov 70 (Rus)

STREPTOCOCCUS (B3)

Effect of relative humidity on aerosol persistence of Streptococcus salivarius. Flynn DD, et al.
Arch Environ Health 23:40-2, Jul 71
Adherence as a determinant of the presence of Streptococcus salivarius and Streptococcus sanguis on the human tooth surface. Van Houte J, et al.
Arch Oral Biol 15:1025-34, Nov 70
Streptococcal cell wall structure inducing hepatic granuloma. Heymer B, et al.
Arch Pathol 92:84-92, Aug 71
Transformation of the marker of the competence factor from Streptococcus challis to Streptococcus wicky. Dobrzański WT, et al.
Bull Acad Pol Sci [Biol] 18:549-52, 1970
Autolytic activity associated with competent group H streptococci. Ranhand JM, et al.
J Bacteriol 106:257-68, Apr 71
Antibody response of cows to Streptococcus lactis bacteriophage. Duitschaever CL, et al.
J Dairy Sci 53:1363-6, Oct 70
Host-induced changes in lactic streptococcal bacteriophages. Potter NN.
J Dairy Sci 53:1358-62, Oct 70
Enamel dissolution by streptococcal fermentation of breakfast cereals. Bibby BG, et al.
J Dent Res 49:Suppl:1481-6, Nov-Dec 70
Lysis of cariogenic and noncariogenic oral streptococci with lysozyme. Coleman SE, et al.
J Dent Res 50:939-43, Jul-Aug 71
A comparison of streptococcal competence factors produced by strain Challis in chemically defined and complex media. Ranhand JM, et al.
J Gen Microbiol 65:131-8, Feb 71
Streptococcal M protein vaccines, rheumatic fever and human histocompatibility antigens. Fox EN, et al.
J Immunol 105:1031-2, Oct 70
Lysis and lysogenization of groups A, C, and G streptococci by a transducing bacteriophage induced from a group G Streptococcus. Colón AE, et al.
J Virol 8:103-10, Jul 71
Heterospecific transformation of Pneumococcus and Streptococcus. IV. Variations in hybrid DNA produced by recombination. Biswas GD, et al.
Mol Gen Genet 110:1-22, 1971
Group B streptococci in human pathology. Jelínková J, et al. Zentralbl Bakteriol [Orig] 214:450-7, 1970
Streptococcus viridans and Streptococcus faecalis endocarditis. Quie PG.
Zentralbl Bakteriol [Orig] 214:298-302, 1970
Group A Streptococcus. Wannamaker LW.
Zentralbl Bakteriol [Orig] 214:293-7, 1970
[Morphological aspects of enterococcic phages] Constantinesco SP, et al.
Arch Roum Pathol Exp Microbiol 28:784-93, Dec 69 (Fre)
[Distribution and hygienic significance of Group D (Lancefield) streptococci in meat and meat products] Ienistea C, et al.
Arch Roum Pathol Exp Microbiol 28:149-55, Mar 69 (Fre)
[Observations on lyophilization of enterococcic bacteriophages] Pieceaş P.
Arch Roum Pathol Exp Microbiol 28:307-10, Jun-Sep 69 (Fre)
[Skin reactions to streptococcal antigens in man (extracellular proteins and microbial suspensions)] Hénocq E, et al.
Rev Fr Allergol 9:68-70, Jul-Sep 69 (Fre)
[Problems of treatment and prevention of erysipelas recurrence with streptococcal vaccine] Haustein UF, et al. Dtsch Gesundheitsw 26:735-40, 15 Apr 71 (Ger)
[The use of lyophilized milk bacterial cultures as an additive to boiled human milk in the nutrition of premature infants. Report on long-term clinical observations (1960-1967)] Vlček A, et al.
Kinderaerztl Prax 38:101-5, Mar 70 (Ger)
[Studies on cell-bound hypersensitivity to streptococcal cell wall antigens] Bültmann B, et al.
Verh Dtsch Ges Pathol 54:329-32, 1970 (Ger)
[Preparation and use of fluoresceinisothiocyanate-labelled streptococcal cell-wall carbohydrates] Heymer B, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:457-67, Nov 70 (Ger)
[Characterization of a bacteriophage of Streptococcus thermophilus] Cibiis E.
Zentralbl Bakteriol [Naturwiss] 125:541-54, 1970 (Ger)
[The importance of streptococcal research for clinical practice. (With reference to new therapeutic possibilities)] Marget W.
Zentralbl Bakteriol [Orig] 214:393-7, 1970 (Ger)
[Diagnosis of group D streptococci (entercocci)] Pieceaş P.
Zentralbl Bakteriol [Orig] 214:130-43, 1970 (Ger)
[The relationship of a newly discovered ribonucleoproteid from streptococci to the pathogenesis of rheumatic fever] Wilhelm G, et al.
Zentralbl Bakteriol [Orig] 214:383-9, 1970 (Ger)
[Data on some etio-pathogenetic aspects of streptococcal infections with special reference to the L forms] Filocamo G.
G Mal Infett Parassit 22:117-22, Feb 70 (Ita)
[Dynamics of the antibody response to streptococcal antigens in spontaneous group A beta-hemolytic streptococcus infections (scarlet fever)] Medina F.
Progr Immunobiol Stand 4:597-600, 1970 (Ita)
[Vaccine of caries] Takamori K.
J Jap Stomatol Soc 37:248, Sep 70 (Jap)
[Kininogen content of rabbit blood serum during immediate streptococcal allergy] Undritsov MI, et al.
Biull Eksp Biol Med 70:39-42, Jul 70 (Rus)
[Effect of chloramphenicol and erythromycin on the transformation activity of DNA isolated from Streptococcus haemolyticus Challis] Tereshin IM, et al. Mikrobiologiia 39:661-4, Jul-Aug 70 (Rus)
[Resistance of the principal races of bees to European foul brood] Cherepov VT.
Veterinariia 6:54-6, Jun 70 (Rus)
[Method of determining the virulence of group A streptococci] Khodyrev AP.
Zh Mikrobiol Epidemiol Immunobiol 48:106-9, 1971 (Rus)
[Bactericidal activity of bouillon cultures of enterococci] Mashkov AV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:134-6, Oct 70 (Rus)
[Bactericidal activity against S. typhimurium of filtrates of bouillon cultures of enterococci isolated from the intestines of small children] Mashkov AV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:104-8, Jun 71 (Rus)

ANALYSIS

Identification of a stimulant for Lactobacillus casei produced by Streptococcus lactis. Branen AL, et al.
Appl Microbiol 20:757-60, Nov 70
The morphology and size of the extracellular polysaccharides from oral streptococci. Newbrun E, et al. Arch Oral Biol 16:863-72, Aug 71
A preliminary report on the interaction between concanavalin A and soluble extracellular polysaccharides produced by mutans- and sanguis streptococci. Rolla G. Arch Oral Biol 16:967-9, Aug 71
A new phosphoglycolipid from Streptococcus lactis. Fischer W.
Biochem Biophys Res Commun 41:731-6, 9 Nov 70
Wall peptidoglycan in Aerococcus viridans strains 201 Evans and ATCC 11563 and in Gaffkya homari strain ATCC 10400. Nakel M, et al.
Biochemistry 10:2170-5, 25 May 71
Preparation of a highly active form of nisin from Streptococcus lactis. Bailey FJ, et al.
Can J Microbiol 17:61-7, Jan 71
Demonstration of transforming deoxyribonucleic acid in an autolysate of a group H Streptococcus. Ranhand JM, et al. J Bacteriol 106:712-3, May 71
Carotenoids in yellow-pigmented enterococci. Taylor RF, et al. J Bacteriol 105:676-8, Feb 71
Identification of types of potentially cariogenic streptococci on human tooth surfaces by the fluorescent antibody technique. Duany LF, et al.
J Dent Res 49:Suppl:1527-9, Nov-Dec 70
The relationship between M-antigen and opacity factor in group A streptococci. Widdowson JP, et al.
J Gen Microbiol 65:69-80, Jan 71
In vitro anti-tumor activity of lipid extracts from a group A Streptococcus against Ehrlich ascites carcinoma in mice. Kigoshi S.
Jap J Pharmacol 21:416-9, Jun 71
The mechanism of competence in the transformation of streptococci of serological group H. Transformation of the marker of the competence factor from S. challis to S. wicky. Dobrzański WT, et al.
Mol Gen Genet 108:312-21, 1970
New observations on the structure and antigenicity of the M proteins of the group A Streptococcus. Fox EN, et al. Zentralbl Bakteriol [Orig] 214:303-16, 1970
[M Protein of the group A hemolytic streptococci. Isolation and immunochemical studies] Mihaicu F, et al.
Arch Roum Pathol Exp Microbiol 29:187-95, Mar-Jun 70 (Fre)

CLASSIFICATION

Infections caused by unusual beta hemolytic streptococci. Braunstein H, et al.
Am J Clin Pathol 55:424-30, Apr 71
The classification of some oral streptococci of human or rat origin. Drucker DB, et al.
Arch Oral Biol 16:845-53, Aug 71
Fingerprinting human oral streptococci by bacteriocin production and sensitivity. Kelstrup J, et al.
Arch Oral Biol 15:1109-16, Dec 70
Rheumatogenic and nephritogenic streptococci. Stollerman GH. Circulation 43:915-21, Jun 71
Genetic heterogeneity in Streptococcus mutans. Coykendall AL. J Bacteriol 106:192-6, Apr 71
Changing types of nephritogenic streptococci in Trinidad. Potter EV, et al.
J Clin Invest 50:1197-205, Jun 71
Comparative study of the Lancefield and the Fuller methods in grouping beta hemolytic streptococci. el-Kholy AM, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:440-5, 1970
The use of fluorescent antibodies in the identification of streptococci. IV. Determination of group C streptococci. Kubin V, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:28-36, 1971
[Biochemical and serological characters of Streptococcus uberis] Roguinsky M.
Ann Inst Pasteur (Paris) 120:154-63, Feb 71 (Fre)
[Research on the enterococci found in food and biological samples. Attempt at classification. I. Preliminary studies on the frequency and the identification of the isolated enterococci] Duchenne J, et al. Ann Pharm Fr 7:29-41, Jan 69 (Fre)
[Lysotyping of streptococci of the D group] Pieceas P.
Arch Roum Pathol Exp Microbiol 28:1027-32, Dec 69 (Fre)
[Classification of -hemolytic streptococci] Smith TB, et al. Arch Hyg Bakteriol 154:625-30, Jul 71 (Ger)
[Group A serotypes of beta-hemolytic streptococci in West Germany] Smith TB.
Klin Wochenschr 48:1014, 15 Aug 70 (Ger)
[Identification of Galt streptococci using fluorescence serology] Karasek E.
Monatsh Vet Med 25:319-20, 15 Apr 70 (Ger)
[Differentation of phage-sensitive and phage-resistant strains of Streptococcus thermophilus] Cibiis E.
Zentralbl Bakteriol [Naturwiss] 125:525-40, 1970 (Ger)
[Group differentiation of beta-hemolyzing streptococci with the aid of the OBF test by Guthof and the CAMP test] Pulverer G.
Zentralbl Bakteriol [Orig] 204:301-4, 1967 (Ger)
[Properties of streptococci isolated from sour-milk starter cultures used in Ceylon] Kulatunga RA.
Mikrobiologiia 39:1067-72, Nov-Dec 70 (Rus)
[The position of enterococci in the system of microorganisms] Kalina AP.
Zh Mikrobiol Epidemiol Immunobiol 47:20-1, Jun 70 (Rus)
[Chemical composition and serological properties of group-specific components isolated from atypical strains of hemolytic streptococci] Matsiuk VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:83-9, Mar 71 (Rus)
[Identification and species differentiation of enterococci] Sedov VI.
Zh Mikrobiol Epidemiol Immunobiol 48:35-9, Mar 71 (Rus)
[Group serologic differentiation of enterococci] Sedova NN.
Zh Mikrobiol Epidemiol Immunobiol 47:91-5, Sep 70 (Rus)

CYTOLOGY

Production of capsules, streptokinase, and streptodornase by Streptococcus group E. Ellis RP, et al. Am J Vet Res 32:349-56, Feb 71
Ultrastructural changes during propagation of a group D streptococcal L-form. Corfield PS, et al.
Arch Mikrobiol 75:1-9, 1970
A simple method for scanning electron microscopy of L-form colonies grown on agar. Bibel DJ, et al.
Can J Microbiol 17:822-3, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cell wall thickening and intracellular polysaccharide in microorganisms of the dental plaque. Houte J van, et al. Caries Res 5:30-43, 1971

Scanning electron microscopy of intact colonies of microorganisms. Whittaker DK, et al. J Bacteriol 104:902-9, Nov 70

Filterability of streptococcal L-forms. Wyrick PB, et al. J Bacteriol 105:284-90, Jan 71

Counting and sizing of the individual cells of chain-forming Streptococcus thermophilus with an electric particle counter. Heinonen J. J Gen Microbiol 66:119-21, Apr 71

[Ultrastructure of streptococci] Kats LN, et al. Mikrobiologiia 40:522-7, May-Jun 71 (Rus)

[Ultrastructure of streptococci at different stages of L-transformation] Rimkunas A, et al. Zh Mikrobiol Epidemiol Immunobiol 48:85-8, Apr 71 (Rus)

[The infrared spectrum of streptococcal cells] Vershigora Alu. Mikrobiol Zh 31:370-5, Jul-Sep 69 (Ukr)

DRUG EFFECTS

In vitro antibacterial activity of trimethoprim and sulphonamides on bacteria causing bovine mastitis. Rasmussen F. Acta Vet Scand 12:131-3, 1971

The effect of sodium fluoride released from elastics on the oral streptococcus salivarius population of saliva in orthodontic patients. Zapski EG. Am J Orthod 59:301, Mar 71

Activity of broad-spectrum antibiotics against enterococci and their efficacy in enterococcal endocarditis. Beaty HN, et al. Ann NY Acad Sci 145:464-72, 27 Sep 67

Comparison of antibiotic susceptibility of group D streptococcus strains isolated at Boston City Hospital in 1953-54 and 1968-69. Toala P, et al. Antimicrob Agents Chemother 9:479-84, 1969

Microbiological assay for estimating salivary concentrations of the cariostatic antibiotic Actinobolin. Hunt DE, et al. Appl Microbiol 20:583-8, Oct 70

Medium-dependent activity of gentamicin sulfate against enterococci. Raymond EA, et al. Appl Microbiol 21:192-4, Feb 71

Control of Streptococcus mutans, plaque, and dental caries in hamsters with topically applied vancomycin. Englander HR, et al. Arch Oral Biol 16:469-72, Apr 71

In vitro affinity of fluoride to proteins, dextrans, bacteria and salivary components. Birkeland JM. Caries Res 5:23, 1971

The potassium and phosphorus content of a cariogenic streptococcus modified by fluoride and selenium. Luoma H, et al. Caries Res 5:96-9, 1971

Bacteriolysis and inhibition of gram-positive bacteria by components of Streptococcus zymogenes lysin. Jackson RW. J Bacteriol 105:156-9, Jan 71

Induction of enterococcal L-forms by the action of lysozyme. King JR, et al. J Bacteriol 103:686-91, Sep 70

Use and control of cephalosporins. Eykyn S. J Clin Pathol 24:419-29, Jul 71

Effects of salivary proteins on the adsorption of cariogenic streptococci by hydroxyapatite. McGaughey C, et al. J Dent Res 50:917-22, Jul-Aug 71

Genetic characteristics of streptomycin-resistant streptococci. Perry D. J Gen Microbiol 65:139-46, Feb 71

Prevention of bacterial overgrowth. Sprunt K, et al. J Infect Dis 123:1-10, Jan 71

Decline in frequency of isolation of tetracycline-resistant beta-haemolytic streptococci from ear, nose and throat 1967-71. Rees TA. Lancet 1:938-9, 8 May 71

Tetracycline-resistant haemolytic streptococci in Kuala Lumpur. Ampalam SD, et al. Med J Malaya 25:220-2, Mar 71

[Bactericidal effect of penicillin and rate of bacterial multiplication] Lecocq E, et al. C R Soc Biol (Paris) 164:1875-7, 1970 (Fre)

[Apropos of 220 strains of Streptococcus isolated in hospital blood cultures. Study of the bactericidal action of antibiotics and their associations] Christol D, et al. Lyon Med 225:Suppl:99-108, 1971 (Fre)

[Effect of benzylpenicillin and ampicillin on enterococci] Kayser FH. Z Med Mikrobiol Immunol 156:125-31, 1971 (Ger)

[Further observations on the inhibiting action of fatty acids on Streptococcus agalactiae] Bertoldini G, et al. Arch Vet Ital 20:265-72, 31 Aug 69 (Ita)

[Clinical experience with Rinderon VG ointment and the effect of gentamicin on skin surface bacterial count] Sasagawa S. Acta Dermatol (Kyoto) 65:39-44, Feb 70 (Jap)

[Synergistic effect of trimethoprim and sulfamethoxazole on staphylococci, group A streptococci and displococcus pneumoniae] Cybulska J, et al. Med Dosw Mikrobiol 23:117-21, 1971 (Pol)

[Sensitivity of Streptococcus aureus hospital strains to a new antibiotic, fucidin] Jakubicz P. Pol Tyg Lek 26:921-2, 14 Jun 71 (Pol)

[Antibiotic resistance of streptococci pneumococci and some gram-negative bacilli isolated from patients in the years 1962-1967 in the Katowice province] Szaflarski J, et al. Przegl Epidemiol 24:313-7, 1970 (Pol)

[Characteristic of the causative agents of acute pneumonia isolated from patients treated with antibiotics] Abkarovich GF. Antibiotiki 15:654-7, Jul 70 (Rus)

[Effect of amino acids on the growth of Streptococcus lactis and biosynthesis of nisin] Baranova IP, et al. Antibiotiki 15:686-8, Aug 70 (Rus)

[Dynamics of the distribution of rifocin in patients with chronic tonsillitis at different methods of administration] Skurkovich GV, et al. Antibiotiki 15:1117-20, Dec 70 (Rus)

[Results of studies of the microflora from the suppurative focus and oral cavity and its sensitivity to antibiotics in perimaxillary phlegmons] Kolodkin AV. Biull Eksp Biol Med 71:86-7, Mar-Apr 71 (Rus)

[Bacteriostatic and bactericidal properties of new compositions of the tissue adhesive Cyacrin in relation to Staphylococcus and Streptococcus] Bobrovkova NG, et al. Oftalmol Zh 25:437-9, 1970 (Rus)

[Microflora of the esophagus and its sensitivity to antibiotics in the presence of foreign bodies] Iur'ev LP. Zh Ushn Nos Gorl Bolezn 29:72-5, Jul-Aug 69 (Rus)

ENZYMOLOGY

Production of capsules, streptokinase, and streptodornase by Streptococcus group E. Ellis RP, et al. Am J Vet Res 32:349-56, Feb 71

Arylaminopeptidase activities in human cariogenic and non-cariogenic oral bacteria. Oya H, et al. Arch Oral Biol 16:675-80, Jun 71

The occurrence of multiple glyceraldehyde-3-phosphate dehydrogenases in cariogenic streptococci. Brown AT, et al. Biochem Biophys Res Commun 43:217-24, 2 Apr 71

Streptococcal nucleases. IV. Some properties and specificities of the ribonuclease action of the B and D enzymes. Gray ED, et al. Biochemistry 7:98-105, Jan 68

Streptococcal nucleases. V. Specificities of deoxyribonuclease action of the A, B, C, and D enzymes. Yasmineh WG, et al. Biochemistry 7:105-13, Jan 68

Streptococcal nucleases. 3. Kinetics of action and inhibition by transfer ribonucleic acid. Yasmineh WG, et al. Biochemistry 7:91-7, Jan 68

Modification of acid attack on enamel surfaces in vitro by aggregations of bacteria. Hardie JM, et al. Caries Res 5:15, 1971

Dextransucrase from Streptococcus sanguis further characterization. Newbrun E. Caries Res 5:124-34, 1971

Enzymatic hydrolysis and structure of water-insoluble glucan produced by glucosyltransferases from a strain of streptococcus mutans. Guggenheim B. Helv Odontol Acta 14:Suppl 5:89+, Nov 70

Extracellular transglucosylase and alpha-amylase of Streptococcus equinus. Boyer EW, et al. J Bacteriol 106:561-70, May 71

Purification and properties of adenyl cyclase from Streptococcus salivarius. Khandelwal RL, et al. J Biol Chem 246:3297-304, 25 May 71

Effect of storage at 3 C on the proteinase enzyme systems of slow and fast strains of lactic streptococci. Westhoff DC, et al. J Dairy Sci 53:1023-7, Aug 70

Purification and physical properties of group C streptococcal phage-associated lysin. Fischetti VA, et al. J Exp Med 133:1105-17, 1 May 71

Elaboration of hyaluronidase and chondroitin sulfatase by microorganisms inhabiting the gingival sulcus: evaluation of a screening method for periodontal disease. Hershon LE. J Periodontol 42:34-6, Jan 71

Effect in vitro of pH and low glucose concentrations on the growth and hyaluronidase activity of a strain of Streptococcus mitis. Kjellman O, et al. Odontol Revy 22:27-36, 1971

[Purification and crystallization of NAD glycohydrolase of C streptococci] Fehrenbach FJ. Eur J Biochem 18:94-102, 1 Jan 71 (Ger)

[Use of lysozyme for the differentiation of Streptococcus viridans] Bukharin OV, et al. Antibiotiki 15:1039-40, Nov 70 (Rus)

[Study of scarlatina toxin and streptococcal proteinase preparations by intradermal administration to rabbits] Akimova VV, et al. Zh Mikrobiol Epidemiol Immunobiol 47:30-4, Nov 70 (Rus)

GROWTH & DEVELOPMENT

L-forms from Streptococcus MG: induction and characterization. Madoff S. Ann NY Acad Sci 174:912-21, 30 Oct 70

Characterization of growth stimulants in corn steep for lactic streptococci. Johnson EC, et al. Appl Microbiol 21:316-20, Feb 71

Use of a fiber optic probe for spectral measurements and the continuous recording of the turbidity of growing microbial cultures. Robrish SA, et al. Appl Microbiol 21:278-87, Feb 71

Growth of Streptococcus mutans and Streptococcus sanguis in mixed culture. Carlsson J. Arch Oral Biol 16:963-5, Aug 71

Growth of cariogenic streptococci in chemically defined medium. Lawson JW. Arch Oral Biol 16:339-42, Mar 71

The microbial colonization in fissures. A morphological and morphometric study in rat molars. Kalberer PU, et al. Helv Odontol Acta 15:1-14, Apr 71

Reversion to the streptococcal state of enterococcal protoplasts, spheroplasts, and L-forms. King JR, et al. J Bacteriol 103:692-6, Sep 70

Growth of streptococcal protoplasts and L-colonies on membrane filters. Wyrick PB, et al. J Bacteriol 105:846-56, Feb 71

Observations suggesting the development of streptococci from pleomorphic filamentous gram negative bacteria. Dienes L, et al. Yale J Biol Med 43:337-50, Jun 71

L-phase colonies cultured from mice infected with group A hemolytic streptococci. Clasener HA. Zentralbl Bakteriol [Orig] 214:329-30, 1970

Heat resistance in milk of some strains of group D streptococci from pasteurised milk and the influence exerted on their growth by selective media. Ienistea C, et al. Zentralbl Bakteriol [Orig] 215:173-81, 1970

[Mobile enterococci] Jelínková J, et al. Cesk Epidemiol Mikrobiol Imunol 20:121-5, May 71 (Cze)

[Media for cultivation and isolation of streptococci, pneumococci and enterococci] Mesrobeanu L, et al. Arch Roum Pathol Exp Microbiol 29:67-73, Mar-Jun 70 (Fre)

[Hemolytic activity of bacteria] Filipe AD. Progr Immunobiol Stand 4:618-22, 1970 (Fre)

[Biology of the L-phase of group A streptococci] Schmitt-Slomska J. Zentralbl Bakteriol [Orig] 214:322-8, 1970 (Fre)

[The interaction between Mycoplasma and other microorganisms. 2. Interaction between Mycoplasma and streptococci] Hubrig T, et al. Arch Exp Veterinaermed 24:279-87, 1970 (Ger)

[Reduction of heat resistance of microorganisms] Kniewallner K, et al. Wien Tieraerztl Monatsschr 57:330-7, Oct 70 (Ger)

[Influence of different carbohydrates on the intestinal flora of the rat] Schulze J, et al. Zentralbl Bakteriol [Orig] 215:77-83, 1970 (Ger)

IMMUNOLOGY

Isolation and characterization of two virulent antigens of Streptococcus dysgalactiae. Stark DM, et al. Am J Vet Res 32:485-90, Mar 71

Serologic studies of staphylococcal and streptococcal L-forms. Dannis DC, et al. Ann NY Acad Sci 174:922-7, 30 Oct 70

Rapid assay for bactericidal antibodies. Hansen GD, et al. Appl Microbiol 20:279-80, Aug 70

Erythema elevatum diutinum: an unusual reaction to streptococcal antigen and response to dapsone. Cream JJ, et al. Br J Dermatol 84:393-9, May 71

Taxonomic characteristics of streptococcal strains producing extracellular polysaccharides in comparison with a cariogenic strain. Gehring F. Caries Res 5:26-7, 1971

Impaired lymphocyte stimulation by some streptococcal antigens in patients with recurrent aphthous stomatitis and rheumatic heart disease. Francis TC, et al. Clin Exp Immunol 6:573-86, Apr 70

Independence of the nephritogenicity of group A streptococci from their M types. Treser G, et al. Clin Exp Immunol 9:57-62, Jul 71

Response of bovine to immunization against Streptococcus dysgalactiae. Stark DM, et al. Cornell Vet 60:604-12, Oct 70

Scanning electron microscopy of the antigen-antibody complex. Simonson LG, et al. Experientia 26:1287-8, 15 Nov 70

The capacity of isolated cell walls from group. A streptococci to induce auto-immune processes. Holborow EJ, et al. Folia Allergol (Roma) 16:287-94, Jul-Aug 69

Experimental myocarditis: in vitro and in vivo studies of lymphocytes sensitized to heart extracts and group A streptococci. Friedman I, et al. Immunology 20:225-32, Feb 71

Immune response to cell wall and tissue antigens in rabbits injured with streptococcal cell wall fragments. Jones JM, et al. Int Arch Allergy Appl Immunol 39:445-8, 1970

Factors affecting the adsorption of esterified streptococcal group A and E cell wall polysaccharide antigens to red blood cells and their effect on antibody measurement. Paviovskis OR, et al. Int Arch Allergy Appl Immunol 40:820-33, 1971

Development of antibodies to cariogenic streptococci in children. Berkenbilt DA, et al. J Am Dent Assoc 83:332-7, Aug 71

The inheritance of individual antigenic specificities of rabbit antibodies to streptococcal carbohydrates. Eichmann K, et al. J Exp Med 134:532-52, 1 Aug 71

The production of opacity in serum by group A streptococci and its relationship withthe presence of M antigen. Widdowson JP, et al. J Gen Microbiol 61:343-53, Jun 70

The relationship between M-antigen and opacity factor

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in group A streptococci. Widdowson JP, et al. J Gen Microbiol 65:69-80, Jan 71
The participation of different types of streptococci of group A and of streptococci of other groups in delayed-type hypersensitivity in patients with recurrent uveitis. Hána I, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 14:360-9, 1970
Cross-reacting and monotypic T antigens of nephritogenic pyoderma streptococci: the type 56 system. Bisno AL, et al. J Immunol 106:1493-8, Jun 71
Toxicity of streptococcal mucopeptides in vivo and in vitro. Heymer B, et al. J Immunol 106:858-61, Mar 71
Immunochemistry of capsular glucans isolated from Streptococcus bovis. Kane JA, et al. J Immunol 106:103-9, Jan 71
Immunochemistry of the cell-wall carbohydrate of group L hemolytic streptococci. Karakawa WW, et al. J Immunol 107:554-62, Aug 71
"Nonspecific" stimulation of lymphocyte transformation by cellular fractions and acid extracts of group A streptococci. Keiser H, et al. J Immunol 106:1593-601, Jun 71
Streptococcal related glomerulonephritis. 3. Glomerulonephritis in rhesus monkeys immunologically induced both actively and passively with a soluble fraction from nephritogenic streptococcal protoplasmic membranes. Markowitz AS, et al. J Immunol 107:504-11, Aug 71
Further characterization of purified fractions of M protein from a strain of group A, type 12 Streptococcus. Vosti KL, et al. J Immunol 107:104-14, Jul 71
Cross-reactions among group A streptococci. 3. The M and R antigens of type 43 and serologically related streptococci. Wil GG, et al. J Immunol 105:124-30, Nov 70
Precipitating antibody to group A streptococcal polysaccharide in humans. Zimmerman RA, et al. J Immunol 107:832-41, Sep 71
Oxygen-stable hemolysins of group A streptococci. VII. The relation of the leukotoxic factor to streptolysin S. Ofek I, et al. J Infect Dis 122:517-22, Dec 70
Variation in the M-antigen of group-A streptococci. Maxted WR, et al. J Med Microbiol 2:199-210, Aug 69
Antibody to an M-associated protein antigen of streptococci. Widdowson JP, et al. J Med Microbiol 4:pii, May 71
Studies on streptococcal type-specific antibody in patients with nephritis. Nishimura T, et al. Jap Circ J 34:679-83, Aug 70
Primary immunization of infants and children with group A streptococcal M protein. Fox EN, et al. Zentralbl Bakteriol [Orig] 214:352-63, 1970
Delayed-type hypersensitivity to beta-hemolytic streptococci in patients with recurrent uveitis and its therapy by means of streptococcus vaccines. Hána I, et al. Zentralbl Bakteriol [Orig] 214:377-82, 1970
The immune response in patients' streptococcal endocarditis. Quie PG. Zentralbl Bakteriol [Orig] 214:364-76, 1970
Variation in the M-antigen of group A streptococci. Valkenburg HA, et al. Zentralbl Bakteriol [Orig] 214:317-21, 1970
Serum antibodies to streptococci in rheumatic fever, glomerulonephritis and chorea. Wannamaker LW. Zentralbl Bakteriol [Orig] 214:331-8, 1970
Streptococcal cross-reactive antigens in relation to rheumatic fever. Zabriskie JB. Zentralbl Bakteriol [Orig] 214:339-51, 1970
[Effect of D-penicillamine on the latex fixation test, hemagglutination test and streptococci-L-agglutination in vitro] Keil E, et al. Z Gesamte Inn Med 26:83-5, 15 Jan 71 (Ger)
[Immunologic problems in rheumatic fever and in primary chronic polyarthritis] Köhler W. Z Gesamte Inn Med 24:Suppl:129-31, 1 Jan 69 (Ger)
[Increased level of lysozyme in macrophages of guinea pigs sensitized by streptococcal antigens in the administration of specific antigen] Toder VA. Biull Eksp Biol Med 68:75-8, Sep 69 (Rus)
[Reactive changes in leukocytes in bacterial allergy] Sakharov PP, et al. Klin Med (Mosk) 49:80-7, Mar 71 (Rus)
[Dynamics of several neurohumoral indices in streptococcal allergy of the delayed type] Froiov EP, et al. Patol Fiziol Eksp Ter 15:10-5, May-Jun 71 (Rus)
[Intradermal reactions to a streptococcal allergen and antibodies against it] Iakhnina NA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:87-90, 1971 (Rus)
[The cytoplasmic antigens of group A streptococci] Vvedenskaia OI, et al. Zh Mikrobiol Epidemiol Immunobiol 46:7-11, Oct 69 (Rus)
[The antigenic composition of a lysate of group A hemolytic streptococcus extracted under the influence of an enzyme from Streptomyces albus] Vvedenskaia OI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:138-9, Feb 70 (Rus)
[Reaction of vessels in fundus oculi to administration of streptococcal antigens] Perervina LN, et al. Mikrobiol Zh 32:787-90, Nov-Dec 70 (Ukr)

ISOLATION & PURIFICATION

Bacterial flora of udder and the number of cellular elements in milk. Ryniewicz Z, et al. Acta Microbiol Pol [B] 3:117-20, 1971
Decomposition of pectin in vitro by pure strains of rumen bacteria. Tomerska H. Acta Microbiol Pol [B] 3:107-15, 1971
A newly prevalent type of beta hemolytic Streptococcus in Chicago. Potter EV, et al. Am J Epidemiol 93:102-10, Feb 71
Presumptive identification of group D streptococci: the bile-esculin test. Facklam RR, et al. Appl Microbiol 20:245-50, Aug 70
Laboratory studies with a selective Enterococcus medium. Isenberg HD, et al. Appl Microbiol 20:433-6, Sep 70
Establishment of Streptococcus sanguis in the mouths of infants. Carlsson J, et al. Arch Oral Biol 15:1143-8, Dec 70
Isolation of Streptococcus mutans from human faeces. Kilian M, et al. Arch Oral Biol 16:553-4, May 71
Bacteriologic and immunoallergic aspects in streptoderma. Mihalcu F, et al. Arch Roum Pathol Exp Microbiol 29:197-203, Mar-Jun 70
A study of the streptococcal flora of plaque in caries free and caries active primitive peoples. Schamschula RG, et al. Aust Dent J 15:377-82, Oct 70
A study of caries aetiology in New South Wales schoolchildren. I. The streptococcal flora of plaque and caries prevalence. Schamschula RG, et al. Aust Dent J 16:77-82, Apr 71
A dental caries susceptibility test based on the occurrence of Streptococcus mutans in plaque material. Woods R. Aust Dent J 16:116-21, Apr 71
[Study of streptococci from the milk of cows with mastitis and healthy cows, using the Camp-Test and group-specific sera. Helimann E, et al. Berl Munch Tieraerztl Wochenschr 84:121-4, 1 Apr 71
The isolation of L forms of Streptococcus agalactiae from cases of bovine mastitis. Wilson CD, et al. Br Vet J 127:253-63, Jun 71
The distribution of group E streptococcus among lymph nodes of experimentally infected swine. Armstrong CH, et al. Can J Comp Med 35:87-90, Jan 71
Isolation and analysis of extracellular polysaccharides from plaque streptococci. Bramstedt F, et al. Caries Res 5:27, 1971
Chemically defined medium for growth of Streptococcus sanquis. Carlsson J. Caries Res 4:297-304, 1970
Beta-haemolytic streptococci in the throat: carrier rates in schoolchildren. Ross PW. Health Bull (Edinb) 29:108-12, Apr 71
Serologic groups of hemolytic streptococci in human infections. Koshi G. Indian J Med Res 59:394-400, Mar 71
Statistical correlations between total coliform and enterococcus counts in water supply of Tarai region. Thapliyal DC, et al. Indian J Med Res 58:840-4, Jul 70
Study of streptococci isolated from scabies cases. Rumao LM, et al. Indian J Med Sci 25:100-2, Feb 71
Hemolysis in the isolation of beta hemolytic streptococci on sheep blood agar plates and the sensitivity of the organism to bacitracin. Soruor AH, et al. J Egypt Med Assoc 52:Suppl 8-9:94+, 1969
Beta-hemolytic streptococci in seliva. Ross PW. J Med Microbiol 4:pii, May 71
Demonstration of five serological groups of streptococcal strains resembling Streptococcus mutans. Bratthall D. Odontol Revy 21:143-52, 1970
Alpha hemolytic streptococci isolated from acute pneumonia and septicemia of Iowa swine. Brown LN. Proc US Anim Health Assoc 73:589-95, 1969
Bacterial content of semen, collected by artificial vagina, from bulls that evert the preputial epithelium. Meredith MJ. Vet Rec 87:122-4, 1 Aug 70
Isolation of L forms of Streptococcus agalactiae. Wilson CD, et al. Vet Rec 87:300, 5 Sep 70
The anatomical area of involvement in streptococcal infections and the carrier state. Quinn RW, et al. Yale J Biol Med 43:1-10, Aug 70
[Keratitis due to hemolytic beta streptococcus] Peyresblanques J, et al. Bull Soc Ophtalmol Fr 70:428-32, Mar 70 (Fre)
[Progress in the demonstration of beta-hemolytic streptococci] Braveny I. Dtsch Med Wochenschr 96:396-7, 26 Feb 71 (Ger)
[Serologic typing of extracelluiary polysaccharides forming streptococci, compared with a cariogenic reference strain] Gehring F. Dtsch Zahnaerztl Z 26:22-8, Jan 71 (Ger)
[Meningitis and sepsis in newborns caused by B-streptococci (Streptococcus agalactiae)] Sander C, et al. Monatsschr Kinderheilkd 118:640-3, Dec 70 (Ger)
[A new medium for the isolation of beta-haemolytic streptococci] Liebermeister K, et al. Z Med Mikrobiol Immunol 156:149-53, 1971 (Ger)
[Research and identification of the streptococci in acute oro-pharyngeal infections in the district of Verona. (Preliminary report)] Galvani A, et al. Fracastoro 63:794-9, Sep-Oct 70 (Ita)
[Qualitative and quantitative study of the microbial flora of yogurt and butter, with special reference to psychotrophic germs] Amato F, et al. Nuovi Ann Ig Microbiol 21:341-61, Jul-Aug 70 (Ita)
[On the action of germs in the small intestine. I. Intestinal germs as factors of malabsorption] Ciampolini M. Riv Clin Pediatr 82:64-72, Apr-Jun 69 (Ita)
[The 2nd joint International study on type distribution of group streptococci] Miyamoto Y, et al. J Jap Assoc Infect Dis 45:142-51, Apr 71 (Jap)
[Streptococcal infection and secondary diseases. 1. Localization and persistence of Streptococcus in mice] Okuni H, et al. Jap J Bacteriol 26:29-35, Feb 71 (Jap)
[Comparative study of nutrient media for isolation and quantitative analysis of enterococci in food products] Sedova NN. Gig Sanit 35:54-6, Jun 70 (Rus)
[Differentiation of Streptococcus faecalis Andrewes a. Horder from Str. faecium Oria-Jensen by physiological characteristics] Kvasnikov EI, et al. Mikrobiol Zh 32:275-81, May-Jun 70 (Rus)
[Experience in a complex virological, bacteriological and serological study of the etiology of pneumonia in children] Tokar' RG. Pediatriia 49:7-10, Sep 70 (Rus)
[Indication of Str. agalactiae in milk by the fluorescence-serological method] Kartashova VM, et al. Veterinariia 11:109-10, Nov 70 (Rus)
[Differentiation of Streptococcus agalactiae] Padegimas TI, et al. Veterinariia 7:101-3, Jul 70 (Rus)

METABOLISM

Induction of cytochrome formation and stimulation of oxidative dissimilation by hemin in Streptococcus lactis and Leuconostoc mesenteroides. Sijpesteijn AK. Antonie van Leeuwenhoek 36:335-48, 1970
Fluoride inhibition of glucose-6-P formation in Streptococcus salivarius: relation to glycogen synthesis and degradation. Kanapka JA, et al. Arch Biochem Biophys 144:596-602, Jun 71
Studies on bacteriocinogeny of Streptococcus strains. I. Bacteriocinogeny of strains of the Streptococcus viridans group. Piatkowski K, et al. Arch Immunol Ther Exp (Warsz) 19:137-45, 1971
The effects of calcium, magnesium and manganese on dextran production by a cariogenic streptococcus. Bowen WH. Arch Oral Biol 16:115-9, Jan 71
Studies on the carbohydrate metabolism of cariogenic Streptococcus mutans strain PK-1. Yamada T, et al. Arch Oral Biol 15:1205-17, Dec 70
Evidence for the requirement of methionyl tRNA modification for in vitro polypeptide initiation in Streptococcus faecium. Sarimo SS, et al. Biochim Biophys Acta 240:233-6, 30 Jun 71
Polyphosphate formation by caries-conducive streptococcus SL-I. Tanzer JM, et al. Biochim Biophys Acta 215:368-76, 14 Aug 70
A factor inactivating in vitro transforming DNA isolated from transformable group H streptococci and its relation to competence of the cells. Nalecz J, et al. Bull Acad Pol Sci [Biol] 18:687-92, 1970
Nutritional requirements of Streptococcus mutans. Carlsson J. Caries Res 4:305-20, 1970
Taxonomic characteristics of streptococcal strains producing extracellular polysaccharides in comparison with a cariogenic strain. Gehring F. Caries Res 5:26-7, 1971
Modification of acid attack on enamel surfaces in vitro by aggregations of bacteria. Hardie JM, et al. Caries Res 5:290-304, 1971
Metabolism of the reserve polysaccharide of Streptococcus mitis. Properties of branching enzyme, and its effect on the activity of glycogen synthetase. Walker GJ, et al. Eur J Biochem 20:14-21, 11 May 71
The biosynthesis of hyaluronic acid by group A streptococcus. Stoolmiller AC, et al. Expos Annu Biochim Med 30:65-78, 1970 (20 ref.)
A comparative study of starch hydrolysis by fecal streptococci employing plate and tube techniques. Paviova MT, et al. Health Lab Sci 8:67-74, Apr 71
Roles of acetate and pyruvate in the metabolism of Streptococcus diacetilactis. Collins EB, et al. J Bacteriol 103:541-6, Sep 70
Binding of deoxyribonucleic acid by cell walls of transformable and nontransformable streptococci. Deddish P, et al. J Bacteriol 105:779-86, Mar 71
Competence factor production in chemically defined media by noncompetent cells of group H Streptococcus strain Challis. Leonard CG, et al. J Bacteriol 104:674-83, Nov 70
Protein difference between competent and noncompetent cultures of a group H Streptococcus. Ranhand JM, et al. J Bacteriol 104:360-2, Oct 70
Studies of the relationship between the production of bacteriocines by group A streptococci and acute glomerulonephritis. Overturf GD, et al. J Exp Med 132:694-701, 1 Oct 70
The outlook for prevention of dental caries. Scherp HW. Med Ann DC 40:439-43, Jul 71
Potassium and sodium content and acid production of nongrowing cariogenic streptococci. Luoma H. Scand J Dent Res 79:202-8, 1971
[Streptococci group D bacteriocins. I. Their incidence] Pieceas P.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Arch Roum Pathol Exp Microbiol 29:229-32, Mar-Jun 70 (Fre)

[The degradation of glucose and sorbit by plaque streptococci] Dallmeier E, et al.
Dtsch Zahnaerztl Z 25:887-98, Sep 70 (Ger)

[Plaque flora and dental caries. 3. Biochemical activity of Streptococcus viridans and serological group K. from the dental plaque of caries-free and caries-active persons] Ranke E, et al.
Dtsch Zahnaerztl Z 25:1164-9, Dec 70 (Ger)

[The presence and demonstration of ektopolysaccharides in streptococci] Guthof O.
Zentralbl Bakteriol [Orig] 215:435-40, 1970 (Ger)

[Effect of streptococci of human origin on experimental caries in the rat] Grippaudo G, et al.
Ann Stomatol (Roma) 19:773-9, Nov 70 (Ita)

[Biocenotic relationship between hemolytic streptococcus and Streptococcus viridans in rheumatism and acute streptococcal infections] Usviatsov BIa, et al.
Vopr Revm 11:58-61, Jan-Mar 71 (Rus)

PATHOGENICITY

Studies on the toxic effect of mouse-pathogenic strains of enterococci isolated from foods. Pusztai S, et al.
Acta Vet Acad Sci Hung 21:55-60, 1971

Cell wall deficient bacterial variants from man in experimental cardiopathy. Merline JR, et al.
Am J Clin Pathol 55:212-20, Feb 71

Relapses of endocarditis due to the same phage type of enterococcus. Dietz CC, et al.
Am J Med Technol 36:357-60, Aug 70

Pathogenicity of bacteria associated with streptococcic lymphadenitis (Jowl abscess) of swine. Armstrong CH, et al. Am J Vet Res 31:1595-9, Sep 70

The use of germ-free and specific pathogen-free rats in short-term experiments for the assessment of potentially cariogenic organisms. Blackmore DK, et al.
Arch Oral Biol 15:1149-55, Dec 70

Caries induction in germ-free rats by streptococci isolated from dental abscesses in man. Blackmore DK, et al. Arch Oral Biol 15:1377-9, Dec 70

Effects of inoculating a levan-forming cariogenic streptococcus on experimental caries in hamsters. Gaffar A, et al. Arch Oral Biol 15:1393-6, Dec 70

Decreased cariogenicity of a mutant of Streptococcus mutans. Stoppelaar JD de, et al.
Arch Oral Biol 16:971-5, Aug 71

Induction of dental caries and alveolar bone loss by a human isolate resembling Streptococcus salivarius. Kelstrup J, et al. Caries Res 4:360-77, 1970

Formation and properties of arylaminopeptidases of a cariogenic streptococcus. Paunio IK, et al.
Caries Res 5:25, 1971

Investigations into the cariogenicity of EPS-producing streptococci from human dental plaque. Ranke B, et al. Caries Res 5:26, 1971

Rheumatogenic and nephritogenic streptococci. Stollerman GH. Circulation 43:915-21, Jun 71

Swine abscesses caused by Lancefield's group E streptococci. VII. Specificity of the precipitin test for their detection with relation to streptococcal antigens of groups C and L. Shuman RD, et al.
Cornell Vet 60:570-81, Oct 70

The importance of group B streptococci as human pathogens in the British Isles. Harper IA.
J Clin Pathol 24:438-41, Jul 71

Chronic arthritis produced by streptococcal L-forms. Cook J, et al. J Pathol 99:283-97, Dec 69

The experimental production of streptococcal endocarditis in the pig. Jones JE.
J Pathol 99:307-18, Dec 69

The caries-inducing property of variants of Streptococcus mutans. Edwardsson S.
Odontol Revy 21:153-7, 1970

Inoculation of cariogenic streptococcus (FA-1) and other bacteia i the pulp in rats. Topical pathological chanes and general dissimination. Rosengren L.
Odontol Tidskr 77:461-72, 31 Dec 69

The relation between M-typability of group A streptococci, virulence and antibody response in general practice. Valkenburg HA, et al.
Zentralbl Bakteriol [Orig] 214:458-64, 1970

[Germ colonization of the skin and pyoderma under climatic influences] Proppe A.
Cosmetologica 19:345-52, 20 Oct 70 (Ger)

[Studies on the cariogenfcity of extracellular polysaccharides forming streptococci from human tooth plaque; Ranke B, et al.
Dtsch Zahnaerztl Z 26:29-36, Jan 71 (Ger)

[Biological properties, drug sensitivity, phage type and pathogenicity in mice of staphylococci isolated from rats (Rattus norvegicus) living on an uninhabited island in the Tokyo Bay] Mori M.
Jap J Bacteriol 25:390-7, Aug 70 (Jap)

[Study of the role of enterococci in the etiology of bacterial food poisoning] Sedova NN.
Vopr Pitan 29:82-7, Mar-Apr 70 (Rus)

[Study of the survival and retention of biological signs of hemolytic streptococci in the environment] Labinskaia AS, et al.
Vopr Revm 11:12-7, Jan-Mar 71 (Rus)

PHYSIOLOGY

Persistance in mice of the L-phase of three streptococcal strains adapted to physiological osmotic conditions. Clasener HA, et al.
J Gen Microbiol 62:195-202, Aug 70

STREPTOCOCCUS FAECALIS (B3)

Thermal lysis of bacterial membranes and its prevention by polyamines. Ray PH, et al.
J Gen Microbiol 66:133-5, May 71

On the affinity of 3 different strains of bacteria, indigenous in infants' intestines, to the mucosal epithelial cells of the small intestines of white rat fetuses. Homma N, et al.
Paediatr Univ Tokyo 18:45-56, Dec 70

Streptococcus viridans and Streptococcus faecalis endocarditis. Quie PG.
Zentralbl Bakteriol [Orig] 214:298-302, 1970

[Action of gamma radiation on enterococcal bacteriophage 341] Ciucă M, et al.
Arch Roum Pathol Exp Microbiol 28:219-24, Mar 69 (Fre)

[Determination of folic acid in pharmaceutical preparations by means of a microbiological automatic analyzer] Lomuto E, et al.
Farmaco [Prat] 25:393-7, Jun 70 (Ita)

ANALYSIS

Glycans from streptococcal cell walls: glycosyl-phosphoryl moieties as immunodominant groups in heteroglycans from group D and group L streptococci. Pazur JH, et al.
Biochem Biophys Res Commun 43:1421-8, 18 Jun 71

Phospholipids of Streptococcus faecalis. Santos Mota JM dos, et al. J Bacteriol 104:611-9, Nov 70

CLASSIFICATION

The identity of Streptococcus faecalis ATCC 9790. Smith DG. J Appl Bacteriol 33:474-7, Sep 70

[The position of enterococci in the system of microorganisms] Kalina AP.
Zh Mikrobiol Epidemiol Immunobiol 47:20-1, Jun 70 (Rus)

[Group serologic differentiation of enterococci] Sedova NN.
Zh Mikrobiol Epidemiol Immunobiol 47:91-5, Sep 70 (Rus)

CYTOLOGY

Fine structure and fatty acid composition of a motile streptococcus. Girard AE, et al.
Antonie van Leeuwenhoek 37:65-74, 1971

The morphology of induced wall-defective variants of Streptococcus faecalis as studied by light and electron microscopy. Marraro RV, et al.
Can J Microbiol 17:365-71, Mar 71

Reinitiation of cell wall growth after threonine starvation of Streptococcus faecalis. Higgins ML, et al.
J Bacteriol 105:1175-83, Mar 71

DRUG EFFECTS

Injury of bacteria by sanitizers. Scheusner DL, et al.
Appl Microbiol 21:41-5, Jan 71

The protection of Streptococcus faecalis with gamma-irradiation against the bactericidal effect of potassium permanganate. Piecas M.
Arch Roum Pathol Exp Microbiol 28:563-7, Jun-Sep 69

Effect of some 5-arylazopyrimidines on the growth of Streptococcus faecalis. Sen D, et al.
Indian J Biochem 7:187-92, Sep 70

Induction of enterococcal L-forms by the action of lysozyme. King JR, et al. J Bacteriol 103:686-91, Sep 70

Mechanism of resistance to antibiotic synergism in enterococci. Zimmermann RA, et al.
J Bacteriol 105:873-9, Mar 71

Studies on antibiotic synergism against enterococci. I. Bacteriologic studies. Moellering RC Jr, et al.
J Lab Clin Med 77:821-8, May 71

[Studies on bactericidal activity in the therapy of enterococcal endocarditis] Stille W, et al.
Dtsch Med Wochenschr 95:2418-20, 27 Nov 70 (Ger)

[Characteristic of the causative agents of acute pneumonia isolated from patients treated with antibiotics] Abkarovich GF.
Antibiotiki 15:654-7, Jul 70 (Rus)

[Residual bactericidal activity of several disinfectants used for disinfecting the hands] Fediaev BP, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:108-12, Oct 69 (Rus)

ENZYMOLOGY

Streptococcus faecalis aspartate transcarbamylase. I. Purification and general properties. Prescott LM, et al. Biochemistry 9:3783-94, 15 Sep 70

Comparative biochemical and immunological study of malic enzyme from two species of lactic acid bacteria: evolutionary implications. London J, et al.
J Bacteriol 106:126-37, Apr 71

GROWTH & DEVELOPMENT

Search for the L-phase of Streptococcus faecalis in kidneys of rats experimentally infected with the bacterial phase and treated with penicillin. Clasener HA, et al. Ann NY Acad Sci 174:880-95, 30 Oct 70

Effect of storage of Mueller-Hinton agar plates on zone sizes for antimicrobial testing. Dewees LB, et al.
Appl Microbiol 20:293-7, Sep 70

Growth inhibition of bacterial variants. Marraro RV, et al. Can J Microbiol 16:640-2, Jul 70

Pressure sensitivity of streptococcal growth in relation to catabolism. Marquis RE, et al.
J Bacteriol 105:504-11, Feb 71

Influence exerted on the growth of heat-injured faecal streptococci by the addition of blood or milk to sodium azide media. Ionistea C, et al.
Zentralbl Bakteriol [Orig] 215:182-6, 1970

[Inhibition of the R-factor transfer in vivo] Wiedemann B, et al. Arzneim Forsch 20:1147-9, Aug 70 (Ger)

[Criteria of bacterial count in urine. I. The growth of Escherichia coli, Streptococcus faecalis, Proteus vulgaris and Staphylococcus aureus in urine] Breunung M, et al.
Zentralbl Bakteriol [Orig] 216:239-54, 1971 (Ger)

IMMUNOLOGY

Comparative biochemical and immunological study of malic enzyme from two species of lactic acid bacteria: evolutionary implications. London J, et al.
J Bacteriol 106:126-37, Apr 71

Glycans from streptococcal cell walls. Immunological and chemical properties of a new diheterogiycan from Streptococcus faecalis. Pazur JH, et al.
J Biol Chem 246:1793-8, 25 Mar 71

ISOLATION & PURIFICATION

Enterococcus occurrence in organs and muscles of slaughtery swine. Pusztai S.
Acta Vet Acad Sci Hung 20:391-5, 1970

Fecal streptococci on barley and malt kernels and instant malted milk powder. Stark E.
Appl Microbiol 20:200-3, Aug 70

Nalidixic acid (negram) disc technique for the rapid isolation of faecal streptococci from mixed flora. Devaraj SK, et al. J Med Microbiol 2:366-8, Aug 69

[Differentiation of Streptococcus faecalis Andrewes a. Horder from Str. faecium Orla-Jensen by physiological characteristics] Kvasnikov EI, et al.
Mikrobiol Zh 32:275-81, May-Jun 70 (Rus)

[Lactic acid bacteria of insects] Kvasnikov EI, et al.
Mikrobiologiia 40:144-51, Jan-Feb 71 (Rus)

METABOLISM

Mechanism for regulating the distribution of glucose carbon between the Embden-Meyerhof and hexose-monophosphate pathways in Streptococcus faecalis. Brown AT, et al.
J Bacteriol 106:456-67, May 71

Carbon dioxide fixation by cells of Streptococcus faecalis var. liquefaciens. Goff RC, et al.
J Bacteriol 104:27-33, Oct 70

Balanced macromolecular biosynthesis in "protoplasts" of Streptococcus faecalis. Roth GS, et al. J Bacteriol 105:710-7, Mar 71

Effects of essential amino acid starvation in Streptococcus faecalis: structural change in the 50S ribosomal subunit. Ziegler RJ, et al.
J Bacteriol 105:190-9, Jan 71

The metabolism of glyceride glycolipids. V. Identification of the membrane lipid formed from diglucosyl diglyceride in Streptococcus faecalis ATCC 9790 as an acylated derivative of glyceryl phosphoryl diglucosyl glycerol. Ambron RT, et al.
J Biol Chem 246:4216-25, 10 Jul 71

Biosynthesis of D-aspartic acid by Streptococcus faecalis. Rahmanian M, et al.
J Biol Chem 246:823-30, 10 Feb 71

Multiple transport components for dicarboxylic amino acids in Streptococcus faecalis. Reid KG, et al.
J Biol Chem 245:5261-72, 25 Oct 70

Evidence against the folate-mediated formylation of formyl-accepting methionyl transfer ribonucleic acid in Streptococcus faecalis R. Samuel CE, et al.
J Biol Chem 245:5115-21, 10 Oct 70

Properties of a dicarboxylic amino acid transport-deficient mutant of Streptococcus faecalis. Utech NM, et al. J Biol Chem 245:5273-80, 25 Oct 70

STREPTOCOCCUS PYOGENES (B3)

Toxic effects of streptococcal M protein on platelets and polymorphonuclear leukocytes in human blood. Beachey EH, et al. J Exp Med 134:351-65, 1 Aug 71

The survival of Streptococcus pyogenes on bacteriological swabs made from various fibres. Dadd AH, et al. J Med Microbiol 3:561-72, Nov 70

Complementation between uvr mutants of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Streptococcus pyogenes. Malke H.
Mol Gen Genet 109:278-84, 1970
An epidemic of pharyngitis due to a nonhemolytic group A streptococcus at lowry air force base. James L, et al. N Engl J Med 284:750-2, 8 Apr 71
[Phagocytosis of the A group streptococcus in rheumatism in adolescence] Kostiurina GM, et al. Pediatr Akush Ginekol 3:9-11, May-Jun 69 (Ukr)

ANALYSIS

[Anti-tumor activity and side reaction of bacterial component] Umezawa I.
Jap J Antibiot 23:287-97, Jun 70 (Jap)

CLASSIFICATION

Type distribution of Streptococcus pyogenes in the years 1964-65 and 1968-69. Szita J, et al.
Acta Microbiol Acad Sci Hung 17:347-56, 1970
[Study of the group and type classification of beta hemolytic Streptococcus in the patients treated in an in-patient department] Jokanović R, et al.
Srp Arh Celok Lek 98:867-71, Jun 70 (Ser)

CYTOLOGY

[Submicroscopic structure of L-forms of group A streptococci prepared by means of penicillin and bacitracin] Rýc M, et al.
Cesk Epidemiol Mikrobiol Imunol 20:57-66, Mar 71 (Cze)
[Effect of bruneomycin on the submicroscopic structure of bacteria] Kats LN, et al.
Antibiotiki 16:60-3, Jan 71 (Rus)

DRUG EFFECTS

In vitro susceptibility patterns of beta-hemolytic streptococci. Matsen JM, et al.
Antimicrob Agents Chemother 9:485-8, 1969
Prevalence of types of Streptococcus pyogenes and their susceptibility to 30 antibiotics. Cybulska J, et al.
Chemotherapy 15:222-33, 1970
Sensitivity of Streptococcus pyogenes types to tetracycline and other antibiotics.
Bergner-Rabinowitz S, et al.
Isr J Med Sci 6:393-8, May-Jun 70
Resistance pattern and genetics of erythromycin-resistant mutants of Streptococcus pyogenes. Malke H. J Gen Microbiol 64:353-63, Dec 70
[Further Novara contribution on the antibiotic resistance of pyogenic staphyiococci] Fumagalli E. G Mal Infett Parassit 22:150-4, Feb 70 (Ita)
[Appearance of serologic types of Streptococcus pyogenes and their sensitivity to 30 antibiotics] Cybulska J, et al.
Przegl Epidemiol 24:491-502, 1970 (Pol)
[Effect of bruneomycin on the submicroscopic structure of bacteria] Kats LN, et al.
Antibiotiki 16:60-3, Jan 71 (Rus)
[Changes in the ultrastructure of hemolytic Streptococcus under the effect of penicillin and gramicidin C] Rimkunas A, et al.
Antibiotiki 15:1099-102, Dec 70 (Rus)

ENZYMOLOGY

A ribonuclease of group A streptococci. Taylor AG.
J Gen Microbiol 65:193-200, Feb 71

GROWTH & DEVELOPMENT

Reproduction in L-phase of group A beta Haemolytic streptococci. Agarwal SC, et al.
Indian J Med Res 57:1387-91, Aug 69

IMMUNOLOGY

The antigenic heterogenity of M protein of Streptococcus pyogenes (type 24). Havlíček J, et al.
Zentralbl Bakteriol [Orig] 214:390-2, 1970

ISOLATION & PURIFICATION

Reliability of bacteriologic identification of -hemolytic streptococci in private offices. Battle CU, et al.
Am J Dis Child 122:134-6, Aug 71
Immunofluorescent identification of Type 12 group A streptococci. Vincent WF, et al.
Appl Microbiol 20:590-2, Oct 70
Rheumatic fever and throat culture. Bisno AL, et al.
N Engl J Med 283:1111-2, 12 Nov 70
Rheumatic fever and throat culture. Nelson R.
N Engl J Med 283:1111, 12 Nov 70
[Dogs as carriers of Streptococcus pyogenes on the mucous membrane of the tonsil] Kurek C, et al.
Przegl Epidemiol 25:363-7, 1971 (Pol)
[Carrier state of group A streptococci in man] Ulewicz K. Przegl Lek 26:612-5, 1970 (Pol)

METABOLISM

Cell wall polysaccharide biosynthesis by membrane fragments from Streptococcus pyogenes and stabilized L-form. Cohen M, et al.
J Bacteriol 106:347-55, May 71
Effect of colistin on the formation of hemolysin by group A hemolytic streptococci. Fujita M.
Jap J Exp Med 40:201-12, Jun 70
[Effects of dextranase on extracellularly produced streptococcal polysaccharides] Gehring F.
Dtsch Zahnaerztl Z 26:483-9, Apr 71 (Ger)
[Production and isolation of streptococcal hyaluronic acid] Gerlach D, et al.
Zentralbl Bakteriol [Orig] 215:187-95, 1970 (Ger)

STREPTODORNASE see DEOXYRIBONUCLEASE (D9)

STREPTODORNASE AND STREPTOKINASE (D9)

Separation of a material in streptokinase-streptodornase which induces delayed skin reaction. Taylor FB Jr, et al.
J Allergy Clin Immunol 48:23-7, Jul 71

ADMINISTRATION & DOSAGE

[Clinical experiences with a combination of Anabactyl and Varidase] Bonatz G, et al.
Hautarzt 22:213-5, May 71 (Ger)

BIOSYNTHESIS

Production of capsules, streptokinase, and streptodornase by Streptococcus group E. Ellis RP, et al. Am J Vet Res 32:349-56, Feb 71

THERAPEUTIC USE

[Postoperative treatment following extraction of impacted teeth] Libotte M.
Acta Stomatol Belg 68:125-32, 1971 (Fre)
[Proteolytic enzymes in the treatment of thrombophlebitis of the extremities] Grigorian AV, et al. Khirurgiia (Mosk) 47:65-9, Feb 71 (Rus)

STREPTOKINASE (D7, D12)

see also related
STREPTODORNASE AND STREPTOKINASE (D9)

A protamine-splitting assay of serum plasminogen. Brodsky I, et al. Am J Clin Pathol 56:32-4, Jul 71
Activation of human plasminogen by streptokinase in absence of plasmin-SK activator. Kline DL, et al.
Am J Physiol 220:440-3, Feb 71
The mechanism of activation of human plasminogen by streptokinase. McClintock DK, et al.
Biochem Biophys Res Commun 43:694-702, 7 May 71
Interaction of streptokinase and human plasminogen. VI. Function of the streptokinase moiety in the activator complex. Bbuck FF, et al.
J Biol Chem 246:2091-6, 10 Apr 71
The influence of inhibitors of plasmin and plasminogen activation on the streptokinase-induced fibrinolytic state. Spötti F, et al.
Thromb Diath Haemorrh 24:101-12, 31 Oct 70
[Antistreptokinase titer, cutaneous reaction and blastic transformation of lymphocytes by streptokinase at various ages] Biscatti G, et al.
Boll Soc Ital Biol Sper 45:1237-9, 15 Oct 69 (Ita)

ADMINISTRATION & DOSAGE

Thrombolytic effect of streptokinase as evaluated by phlebography of deep venous thrombi of the leg. Robertson BR, et al. Acta Chir Scand 136:173-80, 1970
Dosage regimens for streptokinase treatment: evaluation of a standard dosage schedule. Hirsh J.
Australas Ann Med 19:Suppl 19:12-6, 1970
Small-vessel thrombosis following vascular injury. Successful treatment with a low-dose intra-arterial infusion of streptokinase. Chesterman CN, et al.
Br J Surg 58:582-5, Aug 71
An experimental evaluation of the optimal method of use of streptokinase in venous thrombosis. Karmody AM, et al. Br J Surg 58:289-93, Apr 71
Outcome of recent thromboembolic occlusions of limb arteries treated with streptokinase. Amery A, et al.
Br Med J 4:639-44, 12 Dec 70
[Fibrinolytic agents in the management of thrombosed arteriovenous shunt] Arisz L, et al.
Ned Tijdschr Geneeskd 114:1484-90, 5 Sep 70 (Dut)
[Application of thrombolytic agents in acute arterial thrombosis] Salmon J.
Angeiologie 22:347-50, Nov-Dec 70 (Fre)
[Thrombolysis by streptokinase (experimental and clinical study)] Abastado M, et al.
Arch Mal Coeur 62:700-19, May 69 (Fre)
[Fibrinolytic therapy in severe angina pectoris] Benda L, et al.
Dtsch Med Wochenschr 96:771-7, 30 Apr 71 (Ger)
[Streptokinase therapy of older arterial thromboses] Schmitt W. Hippokrates 41:530-2, Dec 70 (Ger)
[Possibilities of thrombolytic treatment] Fischer M.
Wien Klin Wochenschr 83:277-82, 23 Apr 71 (85 ref.) (Ger)
[Activation of fibrinolysis in therapy of peripheral arterial and venous thrombosis] Taddeucci E, et al.
Minerva Cardioangiol 18:553-8, Sep 70 (Ita)
[Clinical observations on intra- venous administration of streptokinase] Malanowicz W, et al.
Pol Tyg Lek 25:1652-4, 2 Nov 70 (Pol)

ADVERSE EFFECTS

Thrombolytic therapy and fatal massive pulmonary emboli. Gajewski J. Ann Intern Med 74:450, Mar 71
Treatment of acute pulmonary embolism in operated patients. With report of two cases treated with streptokinase. Storen EJ.
J Oslo City Hosp 21:61-77, May 71
Thrombolytic therapy with streptokinase. Biggs JC, et al. Med J Aust 1:171, 16 Jan 71
[Case report on streptokinase therapy during pregnancy] Göring G.
Geburtshilfe Frauenheilkd 31:348-53, Apr 71 (Ger)

ANALYSIS

[New quantitative analysis of fibrinolytic activity by 1 dimensional diffusion. 1. Fibrinolytic activity of plasmin and "euglobulin plus streptokinase"] Yasukochi T. Saishin Igaku 26:406-15, 10 Feb 71 (Jap)

ISOLATION & PURIFICATION

Purification and characterization of streptokinase with studies of streptokinase activation of plasminogen. Taylor FB Jr, et al. Biochemistry 7:232-42, Jan 68

METABOLISM

Distribution and placental transfer of 131-I streptokinase. Pfeifer GW.
Australas Ann Med 19:Suppl 19:17-8, 1970

PHARMACODYNAMICS

Streptokinase induced fibrinolysis and haemostasis. Castaldi PA. Australas Ann Med 19:Suppl 19:4-8, 1970
Streptokinase-activatable proactivator of human and bovine plasminogen. Takada A, et al.
J Biol Chem 245:6389-96, 10 Dec 70
Relationship between platelet aggregation by streptokinase and the streptokinase resistance test. Ryšánek K, et al. Rev Czech Med 17:99-102, 1971
Acidosis induced disseminated intravascular microthrombosis and its dissolution by streptokinase. Broersma RJ, et al.
Thromb Diath Haemorrh 24:55-67, 31 Oct 70
[Relation between platelet aggregation by streptokinase and the streptokinase resistance test] Ryšánek K, et al.
Cas Lek Cesk 109:1041-3, 23 Sep 70 (Cze)
[Kinin liberation by streptokinase following treatment of human plasma with acids or phenanthroline] Fischer G. Arzneim Forsch 20:1840-3, Dec 70 (Ger)
[On the difference between serum and euglobulin in determination of fibrinolytic activities by streptokinase-activated method with special reference to the relationship with antiplasmin agents] Miyatani K, et al.
Jap J Clin Pathol 19:223-6, Mar 71 (Jap)
[Effects of products obtained by enzymatic splitting of bacterial proteins on the blood fibrinolytic system of the dog] Tomuș L, et al.
Fiziol Norm Patol 17:11-20, 1971 (Rum)

THERAPEUTIC USE

Deep venous thrombosis treated with a standard dosage of streptokinase. Olow B, et al.
Acta Chir Scand 136:181-9, 1970
Fibrinolytic treatment of acute myocardial infarction. A preliminary report. Heikinheimo R, et al.
Adv Cardiol 4:241-5, 1970
Effect of streptokinase therapy on experimental fibrin-rich arterial thrombi. Jorgensen L, et al.
Am J Pathol 62:7-16, Jan 71
Streptokinase therapy for thromboembolic occlusive vascular disease. Sherry S.
Ann Intern Med 74:437-40, Mar 71
The effect of streptokinase infusion on chronic arterial occlusions and stenoses. Verstraete M, et al.
Ann Intern Med 74:377-82, Mar 71
Streptokinase for chronic arterial occlusive disease. Hume M, et al. Arch Surg 101:653-7, Dec 70
Thrombolytic therapy in arterial and venous thrombosis. Biggs JC.
Australas Ann Med 19:Suppl 19:19+, 1970
Streptokinase in acute myocardial infarction: rationale and preliminary results of a combined therapeutic trial. Hale GS.
Australas Ann Med 19:Suppl 19:63-5, 1970
Streptokinase in the treatment of major pulmonary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

embolism--experience with twenty-five patients. Hirsh J, et al.
Australas Ann Med 19:Suppl 19:54-9, 1970
The use of thrombolytic therapy in obstetrics and gynaecology. Pfeifer GW.
Australas Ann Med 19:Suppl 19:28+, 1970
Thrombolytic therapy in acute myocardial infarction. Poliwoda H. Australas Ann Med 19:Suppl 19:66-8, 1970
Treatment of acute and chronic arterial occlusions with streptokinase. Poliwoda H.
Australas Ann Med 19:Suppl 19:25-7, 1970
Comparison of streptokinase and heparin in treatment of isolated acute massive pulmonary embolism. Miller GA, et al. Br Heart J 33:616, Jul 71
Treatment of experimental venous thrombosis with streptokinase and ancrod (Arvin). Pitney WR, et al.
Br J Surg 58:442-7, Jun 71
Comparison of streptokinase and heparin in treatment of isolated acute massive pulmonary embolism. Miller GA, et al. Br Med J 2:681-4, 19 Jun 71
Streptokinase in recent myocardial infarction: a controlled multicentre trial. European working party.
Br Med J 3:325-31, 7 Aug 71
Comparison of the effects of streptokinase and heparin on the early rate of resolution of major pulmonary embolism. Hirsh J, et al.
Can Med Assoc J 104:488-91 passim, 20 Mar 71
The effect of antigen given intravenously on specific antigen-sensitive lymphocytes of peripheral blood in man. Kreth HW, et al.
Clin Exp Immunol 7:109-14, Jul 70
The fibrinolytic therapy of thrombosed portal veins and shunts in liver cirrhosis with portal hypertension and in prehepatic block. Paquet KJ, et al.
J Cardiovasc Surg (Torino) 12:147-51, Mar-Apr 71
Pulmonary embolism. Mayne E, et al.
J Ir Med Assoc 64:283-90, 10 Jun 71
Current status of thrombolytic therapy. McIntyre PA.
Johns Hopkins Med J 127:222-7, Oct 70
Fibrinolytic therapy in thrombo-embolic pulmonary hypertension. Bett JH, et al.
Med J Aust 1:273-4, 30 Jan 71
Fibrinolytic therapy in thrombo-embolic pulmonary hypertension. Burnell RH. Med J Aust 1:559, 6 Mar 71
Thrombolytic therapy with streptokinase. Chesterman CN, et al. Med J Aust 2:339-46, 31 Oct 70
Blood coagulation and fibrinolytic therapy in normotensive hemorrhagic shock of the dog. Encke A, et al. Z Kreislaufforsch 58:1298-307, Dec 69
[Thrombolytic treatment in acute myocardial infarct] Gormsen J. Nord Med 85:503-4, 22 Apr 71 (Dan)
[Attempted treatment of renal vascular obstruction by streptokinase in 2 anuric patients] Mignon F, et al.
Ann Med Interne (Paris) 120:661-8, Oct 69 (Fre)
[Central retinal artery obliteration and streptokinase] Coscas G, et al.
Bull Soc Ophtalmol Fr 69:535-8, May-Jun 69 (Fre)
[Streptokinase-streptodornase association, a powerful therapeutic agent affecting the venous factor in obliterating arteritis of the lower limbs] Fux J, et al.
Phlebologie 23:303-5, Jul-Sep 70 (Fre)
[Thromolytic treatment by streptokinase of arterial embolism of the extremities] Samama M, et al.
Rev Atheroscler (Paris) 10:19-20, 1968 (Fre)
[Fibrinolytic herapy of severe pulmonary hypertension. Justification, modality an critiicism] Bouvier CA, et al.
Schweiz Med Wochenschr 100:148-51, 31 Jan 70 (Fre)
[Streptokinase treatment of acute vascular obliterations] Samama M, et al.
Sem Ther 44:232-4, Apr 68 (Fre)
[Studies on the stability of streptokinase and heparin solutions with the addition of carbochromen] Leube G, et al. Arzneim Forsch 21:691-3, May 71 (Ger)
[Streptokinase therapy in mitral valve disease] Poliwoda H.
Dtsch Med Wochenschr 95:2625, 25 Dec 70 (Ger)
[Recanalization after bilateral renal artery thrombosis using streptokinase therapy] Streicher E, et al.
Dtsch Med Wochenschr 96:1086-9 passim, 18 Jun 71 (Ger)
[Methods for the conduction and control of thrombolytic therapy] Remde W.
Folia Haematol (Leipz) 94:165-70, 1970 (Ger)
[Therapeutic fibrinolysis during pregnancy] Skiftis T.
Geburtshilfe Frauenheilkd 31:568-71, Jun 71 (Ger)
[Experimental studies on the indication of fibrinolytic therapy in acute blood vessel obstructions] Blümel G, et al. Langenbecks Arch Chir 322:979-83, 1968 (Ger)
[Streptokinase therapy of myocardial infarct] Voss D.
Med Monatsschr 25:8-11, Jan 71 (Ger)
[Indications and results with streptokinase treatment in arterial occlusions. With special reference to beginning therapy] Martin M.
Med Welt 43:1861-3, 24 Oct 70 (Ger)
[Indications for fibrinolysis] Martin M.
Praxis 59:770-5, 26 May 70 (Ger)
[Peripheral blood flow following streptokinase therapy in arterial thrombosis] Ehringer H, et al.
Verh Dtsch Ges Kreislaufforsch 36:370-4, 1970 (Ger)
[Anticoagulants and thrombolytic agents in pregnancy and puerperium] Appel W.
Z Allgemeinmed 47:345-50, 10 Mar 71 (Ger)
[Blood flow measurements before and after streptokinase therapy of chronic arterial thrombosis and stenosis] Schmidtke I, et al.
Z Kreislaufforsch 59:673-84, Aug 70 (Ger)
[Thrombolytic therapy in priapism] Lipsky H.
Z Urol Nephrol 62:629-32, 1969 (Ger)
[Thrombolytic treatment with streptokinase in recent myocardial infarct] Pagnoni D.
Cardiol Prat 21:405-9, Dec 70 (Ita)
[Streptokinase therapy in the treatment of chronic obstructive arterial diseases] Maresta A, et al.
G Clin Med 51:500-9, Jun 70 (Ita)
[Streptokinase thrombolytic therapy in a multiple arterial embolism] Levi GF, et al.
Minerva Cardioangiol 17:910-4, Nov 69 (Ita)
[Fibrynolytic therapy of coronary disease] Sterkowicz S. Przegl Lek 26:702-6, 30 Sep 70 (Pol)
[Enzyme therapy as a physiologically based method of treating acute suppurative diseases of the soft tissues] Gostishchev VK, et al.
Vestn Khir 103:73-6, Aug 69 (Rus)
[Personal experiences in the treatment of thromboembolic disease with streptase] Vujadinović B, et al. Srp Arh Celok Lek 98:435-9, Mar 70 (Ser)

STREPTOLYSIN (D12)

An immunodiffusion micromethod for comparative analysis of the hemolytic activity and antigenicity of streptolysin O. Holm SE, et al.
Acta Pathol Microbiol Scand [B] 79:73-8, 1971
The mechanism of experimental arthritis produced by streptolysin S. Taylor AG.
Proc R Soc Med 64:644-5, Jun 71
[Study of post-streptococcal hypersensitivity by means of the streptolysin O skin test in the framework of complex epidemiologic investigations] Mihalcu F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:493-504, Nov-Dec 70 (Rum)

ADMINISTRATION & DOSAGE

Induction of DNA synthesis in human lymphocytes: interaction between non-specific mitogens and antigens. Möller G. Immunology 19:583-98, Oct 70

ANALYSIS

A ribonuciease from preparations of streptolysin S. Taylor AG. J Gen Microbiol 65:iv-v, Mar 71

ANTAGONISTS & INHIBITORS

The effect of a conglutinin preparation on the haemolytic activity of streptolysin O. Tomopoulos DS. Res Vet Sci 11:596-7, Nov 70
[Inhibition of streptolysin O by C16-C18 fatty acids. Comparison with the inactivation of this hemolysin by cholesterol] Badin J, et al.
C R Acad Sci [D] (Paris) 272:2393-5, 3 May 71 (Fre)

BIOSYNTHESIS

The formation of streptolysin O under stabilized pH conditions. Holm SE, et al.
Acta Pathol Microbiol Scand [B] 79:79-87, 1971
Some factors of importance for the production of streptolysin O. Holm SE, et al.
Acta Pathol Microbiol Scand [B] 78:270, 1970

ISOLATION & PURIFICATION

[Purification of streptolysin "o"] Mitrică N, et al.
Arch Roum Pathol Exp Microbiol 29:205-9, Mar-Jun 70 (Fre)

PHARMACODYNAMICS

Bacteriolysis and inhibition of gram-positive bacteria by components of Streptococcus zymogenes lysin. Jackson RW. J Bacteriol 105:156-9, Jan 71
Oxygen-stable hemolysins of group A streptococci. VII. The relation of the leukotoxic factor to streptolysin S. Ofek I, et al. J Infect Dis 122:517-22, Dec 70
Effects of staphylococcus alpha-toxin and streptolysin S on the oxidation of succinate by ascites tumour cells. Symington DA, et al.
J Med Microbiol 2:495-505, 4 Nov 69
Effect of streptolysin "O" on serotonine content and monoaminoxydase activity in rat tissues. Bozhkov B, et al. Nauchni Tr Visah Med Inst Sofiia 49:41-5, 1970
[The role of "O" streptolysin and ASLO antibodies in the induction of allergic arthritis and cardiac lesions of the rheumatic type in rabbits] Elias A, et al.
Arch Roum Pathol Exp Microbiol 29:175-81, Mar-Jun 70 (Fre)
[Lymphocyte stimulation using streptolysin O] Heine KM, et al.
Z Gesamte Inn Med 24:Suppl:148-50, 1 Jan 69 (Ger)

STREPTOMYCES (B3)

RNA synthesis on native DNA complexes isolated from Streptomyces griseus and Escherichia coli. Szeszák F, et al. Arch Mikrobiol 73:363-78, 1970
Control of damping-off and root-rot with the use of Streptomyces spores. Thirumalachar MJ, et al.
Hindustan Antibiot Bull 12:138-41, May 70
Genetic recombination in Streptomyces bikiniensis var. zorbonensis. Coats JH, et al.
J Bacteriol 105:880-5, Mar 71
Genetic control of fertility in Streptomyces coelicolor A3(2): the IF fertility type. Vivian A, et al.
J Gen Microbiol 64:101-17, Nov 70
Living organisms in patent law. Hill MM.
Lancet 2:966-7, 7 Nov 70
Ultraviolet-sensitive mutants of Streptomyces coelicolor. II. Genetics. Harold RJ, et al.
Mutat Res 10:439-48, Nov 70
[Transformation of a mutant of "Bacillus subtilis" by DNA of "Streptomyces coelicolor"] Mergeay M, et al.
Arch Int Physiol Biochim 78:603-4, Aug 70 (Fre)
[Therapy of metastasizing islet cell tumor with streptozotocin] Nieschlag E, et al.
Acta Endocrinol (Kbh) 67:405-16, Jun 71 (Ger)
[New antibiotics, juglomycins. 1. Juglomycin producing bacteria and their biological properties] Ushiyama K, et al. Jap J Antibiot 24:197-9, Aug 71 (Jap)
[Isolation of Streptomyces erythreus actinophage. Attempts at obtaining S. erythreus resistant mutants producing erythromycin on a large scale] Kuryłowicz W, et al. Med Dosw Mikrobiol 22:303-9, 1970 (Pol)
[Characteristic of antagonistic properties of some groups of Actinomycetes against acid resistant microorganisms] Taig MM, et al.
Antibiotiki 14:216-8, 1969 (Rus)
[Actinomycete antagonists of several entomopathogenic fungi] Ryzvanov K.
Mikrobiol Zh 31:321-5, Jul-Sep 69 (Ukr)

ANALYSIS

Comparison of deoxyribonucleic acids from Streptomyces griseus strains. Valu G, et al.
Acta Biol Acad Sci Hung 21:375-9, 1970
An antibiotic produced by streptomyces strain No. 2608, identical with D-4-amino-3-isoxazolidone. Miyamura S, et al.
Acta Med Biol (Niigata) 18:71-7, Jul 70
Fast sedimenting fractions containing DNA from Streptomyces griseus. Szeszák F, et al.
Acta Microbiol Acad Sci Hung 17:147-56, 1970
Identification of erythromycin A in cultures of Streptomyces griseoplanus. Thompson RM, et al.
Biochem Biophys Res Commun 43:213-6, 2 Apr 71
LL-diaminopimelic acid containing peptidoglycans in walls of Streptomyces sp. and of Clostridium perfringens (type A). Leyh-Bouille M, et al.
Biochemistry 9:2944-52, 21 Jul 70
Antibiotics produced by Streptomyces. VII. Cytotetrin, a new antitumor antibiotic. Bérdy J, et al.
J Antibiot (Tokyo) 24:209-14, Apr 71
Studies on T-2636 antibiotics. 3. A new component, T-2636 F. Fugono T, et al.
J Antibiot (Tokyo) 24:23-8, Jan 71
Antibiotics produced by Streptomyces. 8. A new polyenic antibiotic, oleficin, exhibiting antibacterial activity. Gyimesi J, et al.
J Antibiot (Tokyo) 24:277-82, May 71
Studies on T-2636 antibiotics. II. Isolation and chemical properties of T-2636 antibiotics. Harada S, et al.
J Antibiot (Tokyo) 24:13-22, Jan 71
Studies on T-2636 antibiotics. I. Taxonomy of Streptomyces rochei var. volubilis var. nov. and production of the antibiotics and an esterase. Higashide E, et al. J Antibiot (Tokyo) 24:1-12, Jan 71
Studies on new antibiotic lividomycins. II. Isolation and characterization of lividomycins A, B and other aminoglycosidic antibiotics produced by Streptomyces lividus. Mori T, et al.
J Antibiot (Tokyo) 24:339-46, Jun 71
Production of fungichromin by streptovertieillium cinnamomeum subsp. cinnamomeum NRRL B-1285. Robison RS, et al. J Antibiot (Tokyo) 24:273, Apr 71
L-1,4-cyclohexadiene-1-alanine, an antagonist of phenylalanine from Streptomyces. Yamashita T, et al.
J Antibiot (Tokyo) 23:537-41, Nov 70
[Synthesis of humic substances by Streptomyces aureus. 3. Chemical investigations on humic substances from organisms] Matschke J.
Zentralbl Bakteriol [Naturwiss] 125:163-9, 1970 (Ger)
[Synthesis of humic substance by Streptomyces aureus. 5. Investigations on filtrates of streptomycetes cultures, fractioned by Sephadex] Matschke J.
Zentralbl Bakteriol [Naturwiss] 125:448-57, 1970 (Ger)
[Structure of teichoic acid from the cell wall of Actinomyces antibioticus, strain 39] Zaretskaia MSh, et al. Biokhimiia 36:97-107, Jan-Feb 71 (Rus)
[The infrared spectrum of whole Actinomyces, Proactinomyces and Mycobacterium cells] Krasil'nikov NA, et al.
Mikrobiologiia 39:471-9, May-Jun 70 (Rus)
[Antibiotic substances isolated from Streptomyces endus strain P-6226] Bondarenko BN, et al.
Mikrobiol Zh 32:506-9, May-Jun 70 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CLASSIFICATION

Classification of Streptomyces spore surfaces into five groups. Dietz A, et al. Appl Microbiol 21:527-33, Mar 71
Serological analysis of morphologically and biochemically similar Streptomyces species. Guthrie RK, et al. Appl Microbiol 21:843-6, Apr 71
Studies on T-2636 antibiotics. I. Taxonomy of Streptomyces rochei var. volubilis var. nov. and production of the antibiotics and an esterase. Higashide E, et al. J Antibiot (Tokyo) 24:1-12, Jan 71
Studies on new antibiotic lividomycins. I. Taxonomic studies on the lividomycin-producing strain Streptomyces lividus nov. sp. Oda T, et al. J Antibiot (Tokyo) 24:333-8, Jun 71

CYTOLOGY

Electron microscopy of surface of two strains of Streptomyces aureofaciens during tetracycline biosynthesis. Kurylowicz W, et al. Acta Microbiol Pol [B] 2:223-8, 1970
The ultrastructure of the mycelium of Streptomyces aureofaciens in the course of biosynthesis of tetracycline. Kurylowicz W, et al. Acta Microbiol Pol [B] 3:1-8, 1971
The surface structure of spores and aerial mycelium in Streptomyces coelicolor. Wildermuth H, et al. J Ultrastruct Res 35:168-80, Apr 71

DRUG EFFECTS

Influence of some amino acids on the fermentation. Production of chlortetracycline and antifungal antibiotic (AYE) by Streptomyces aureofaciens. Abou-Zeid AZ, et al. Zentralbl Bakteriol [Naturwiss] 126:14-7, 1971
[Antimicrobial activity of Remanex and its components on an actinomyces (Streptomyces sp.) irradiated and non-irradiated with ultraviolet rays] Poulin JM, et al. Mykosen 13:543-9, 1 Nov 70 (Fre)
[Trace element senilitivity of streptomycetes] Kölblin R, et al. Zentralbl Bakteriol [Naturwiss] 124:662-72, 1970 (Ger)
[N-nitrosomethylurea induced variability in 3 variants of Act. antibioticus--producer of oleandomycin] Zharova NI. Antibiotiki 15:599-602, Jul 70 (Rus)

ENZYMOLOGY

Properties of acetohydroxy acid synthetase in Streptomyces rimosus. Szentirmai A, et al. Acta Microbiol Acad Sci Hung 17:105-15, 1970
Free and immobilized glucose isomerase from Streptomyces phaeochromogenes. Strandberg GW, et al. Appl Microbiol 21:588-93, Apr 71
Demonstration of a C-methylating enzyme in cell free extracts of indolmycin-producing Streptomyces griseus. Hornemann U, et al. Biochem Biophys Res Commun 39:594-9, 22 May 70
A study on the interaction of ribonuclease ST with guanosine 3'-monophosphate by circular dichroism. Yashida N, et al. Biochem Biophys Res Commun 43:954-61, 4 Jun 71
Properties of an alpha-mannosidase from Streptomyces WL6. Baird JK, et al. Biochem J 120:18P, Dec 70
Isolation of DD carboxypeptidase from Streptomyces albus G culture filtrates. Ghuysen JM, et al. Biochemistry 9:2955-61, 21 Jul 70
Substrate requirements of the Streptomyces albus G DD carboxypeptidase. Leyh-Bouille M, et al. Biochemistry 9:2961-70, 21 Jul 70
On the Streptomyces albus G DD carboxypeptidase mechanism of action of penicillin, vancomycin, and ristocetin. Leyh-Bouille M, et al. Biochemistry 9:2971-5, 21 Jul 70
Penicillin-sensitive DD-carboxypeptidase from Streptomyces strain R 61. Leyh-Bouille M, et al. Biochemistry 10:2163-70, 25 May 71
Kinetic studiesof ribonuclease St-catalysed hydrolysis of guanosine and inosine 2',3'-cyclic phosphates, and comparison with ribonuclease T 1. Yoshida N, et al. Biochim Biophys Acta 228:648-53, 11 Feb 71
Ribonuclease from Streptomyces erythreus. Purification and properties. Yoshida N, et al. Biochim Biophys Acta 228:636-47, 11 Feb 71
Location and action of Streptomyces griseus alpha-D-mannosidase, an antibiotic-transforming enzyme. Inamine E, et al. Biotechnol Bioeng 12:159-66, Mar 70
The disulfide bridge sequences of a serine protease of wide specificity from Streptomyces griseus. Johnson P, et al. Can J Biochem 49:548-62, May 71
Regulation of chloramphenicol synthesis in Streptomyces sp. 3022a. 3-Deoxy-D-arabino-heptulosonate 7-phosphate synthetase. Lowe DA, et al. Can J Biochem 49:448-55, Apr 71
Lysis of zoopathogenic fungi by streptomycetes. Howard DH, et al. Can J Microbiol 17:521-3, Apr 71
Neutral proteinases produced by Streptomyces cacaoi var. asoensis. Nakamura S, et al. Chem Pharm Bull (Tokyo) 18:2581-5, Dec 70
An neutral proteinase obtained from Streptomyces griseolus. Nakamura S, et al. Chem Pharm Bull (Tokyo) 18:2577-81, Dec 70
Anti-inflammatory neutral proteinases, retikinonase I and II obtained from Streptomyces verticillatus var. zynogenes. Nakamura S, et al. Chem Pharm Bull (Tokyo) 18:2112-8, Oct 70
Chitinase of Streptomyces sp: purification and properties. Skujiņš J, et al. Enzymologia 39:353-70, 30 Dec 70
The elastase-like enzymes from Streptomyces griseus (pronase). Isolation and partial characterization. Gertler A, et al. Eur J Biochem 19:90-6, 1 Mar 71
Essential histidyl residues in arginine oxygenase (decarbosylating). Comparison with amino acid oxidases. Thomé-Beau F, et al. Eur J Biochem 19:270-5, 11 Mar 71
Regulation of biosynthesis of secondary metabolites. XII. AcetylcoA carboxylase in Streptomyces aureofaciens. Běhal V, et al. Folia Microbiol (Praha) 15:354-7, 1970
Regulation of biosynthesis of secondary metabolites. 13. Specific allosteric properties of phosphoenolpyruvate carboxylase in Streptomyces aureofaciens. Vořšek J, et al. Folia Microbiol (Praha) 15:153-9, 1970
Lytic enzyme from lysates of Streptomyces venezuelae infected with actinophage MSP2. Meinke WJ, et al. J Bacteriol 106:386-93, May 71
Priaary structure of alpha-lytic protease: a bacterial homologue of the pancreatic serine proteases. Olson MO, et al. Nature (Lond) 228:438-42, 31 Oct 70
[The antigenic composition of a lysate of group A hemolytic streptococcus extracted under the influence of an enzyme from Streptomyces albus] Vvedenskaia OI, et al. Zh Mikrobiol Epidemiol Immunobiol 47:138-9, Feb 70 (Rus)
[Proteolytic activity of several species of soil actinomycetes] Vladimirova EV. Mikrobiol Zh 32:21-5, Jan-Feb 70 (Ukr)
[The hydrolytic activity of actinomycetes in soil] Vladimirova OV. Mikrobiol Zh 32:301-5, May-Jun 70 (Ukr)
[Gelatin hydrolysis by protease of Streptomyces griseus] Tsiperovich OS, et al. Ukr Biokhim Zh 42:367-71, 1970 (Ukr)
[Study of peptide hydrolases in microorganisms] Tsyperovich AS, et al. Ukr Biokhim Zh 42:227-33, 1970 (16 ref.) (Ukr)

GROWTH & DEVELOPMENT

The effect of carbon monoxide inhibition on the growth of an aquatic streptomycete. Francisco DE, et al. Can J Microbiol 17:347-51, Mar 71
Improvement of kasugamycin-producing strain by the agar piece method and the prototroph method. Ichikawa T, et al. Folia Microbiol (Praha) 16:218-24, 1971
Use of mutagens in the improvement of production strains of microorganisms. Thoma RW. Folia Microbiol (Praha) 16:197-204, 1971
Mutants of Streptomyces coelicolor defective in sporulation. Hopwood DA, et al. J Gen Microbiol 61:397-408, Jun 70
Development and organization of the aerial mycelium in Streptomyces coelicolor. Wildermuth H. J Gen Microbiol 60:43-50, Jan 70
Rapid formation of protoplasts of Streptomyces griseoflavus and their fine structure. Sagara Y, et al. Jap J Microbiol 15:73-84, Jan 71
Interactions of actinomycetes with Macrophomina phaseoli (Maubl.) Ashby; the cause of root rot of cotton. Ghaffar A. Mycopathol Mycol Appl 44:271-6, 28 May 71
[Prolonged preservation of Actinomyces in lyophilized state] Kuznetsov VD, et al. Antibiotiki 15:977-81, Nov 70 (Rus)

IMMUNOLOGY

Antigenicity of proteinases from Streptomyces griseus (pronase). Trop M, et al. Biochem J 119:339-42, Sep 70

ISOLATION & PURIFICATION

Search for antagonistic Actinomycetae in Libyan soils. Selim MS. Can J Microbiol 17:731-5, May 71
Mycological flora of cigarettes. Papavassiliou J, et al. Mycopathol Mycol Appl 44:117-20, 3 May 71
Mycetoma caused by Streptomyces somaliensis in North India. Grueber HL, et al. Sabourandia 8:108-11, Aug 70
[Peritonitis caused by Streptomyces somaliensis] Gruet M, et al. Bull Soc Med Afr Noire Lang Fr 15:609-10, 1970 (Fre)

METABOLISM

Biosynthesis of erythromycin C by Streptomyces erythreus. Ostrowska-Krysiak B. Acta Microbiol Pol [B] 3:23-7, 1971
NADPH-regenerating systems in microorganisms producing macrolide antibiotics. Roszkowski J, et al. Acta Microbiol Pol [B] 3:97-106, 1971
DNA decomposition by soil microorganisms. Antheunisse J. Antonie van Leeuwenhoek 37:258-9, 1971
Production of anticapsin by Streptomyces griseoplanus. Boeck LD, et al. Appl Microbiol 21:1075-9, Jun 71
Preparation and ultraviolet light-induced transformation of an antifungal mixture of heptaene antibiotics of Streptomyces surinam. Siewert G, et al. Appl Microbiol 21:1007-10, Jun 71
Production of a naphthoquinone pigment by a species of Streptoverticillium and its accumulation by a streptomycete. Tresner HD, et al. Appl Microbiol 21:562-3, Mar 71
Configuration of the N-methylisoleucine in the actinomycins. Katz E, et al. Biochem Biophys Res Commun 43:1035-9, 4 Jun 71
Isolation and characterization of three phosphoamido-neomycins and their conversion into neomycin by Streptomyces fradiae. Majumdar MK, et al. Biochem J 120:271-8, Nov 70
The structure of anticapsin, a new biologically active metabolite of Streptomyces griseoplanus. Neuss N, et al. Biochem J 118:571-5, Jul 70
Bioconversion of tyrosine into the propylhygric acid moity of lincomycin. Witz DF, et al. Biochemistry 10:1128-33, 30 Mar 71
Characterization of ribosomes of a strain of Streptomyces aureofaciens producing chlortetracycline. Mikulík K, et al. Folia Microbiol (Praha) 16:24-30, 1971
Strains of Streptomyces tenebrarius and biosynthesis of nebramycin. Stark WM, et al. Folia Microbiol (Praha) 16:205-17, 1971
How many genes are required for the synthesis of chlortetracycline? Vaněk Z, et al. Folia Microbiol (Praha) 16:225-40, 1971
Structure of Hygromycin B, an antibiotic from Streptomyces hygroscopicus: the use of CMR. spectra in structure determination. I. Neuss N, et al. Helv Chim Acta 53:2314-9, 1970
Actinomycetes studies. II. Cell-free synthesis of echinomycin and an echinomycin analogue. Arif AJ, et al. Indian J Biochem 7:193-5, Sep 70
Metabolism of Streptomyces antibioticus: variation of organic & amino acids. Kannan LV, et al. Indian J Biochem 7:137, Jun 70
Formation of poly-beta-hydroxybutyrate by Actinomycetes. Kannan LV, et al. Indian J Biochem 7:128-9, Jun 70
Effect of different carbon sources on erythromycin production by Streptomyces erythreus. Abou-Zeid AA, et al. Indian J Exp Biol 8:146-7, Apr 70
Influence of carbon & nitrogen sources on the biosynthesis of litmocidin by a new strain of Streptomyces litmocidini. Abou-Zeid AZ. Indian J Exp Biol 8:231-2, Jul 70
The 3-cephem chromophore. Nagarajan R, et al. J Am Chem Soc 93:2310-2, 5 May 71
Beta-lactam antibiotics from Streptomyces. Nagarajan R, et al. J Am Chem Soc 93:2308-10, 5 May 71
Microbial transformation of antibiotics. VI. Acylation of chloramphenicol by Streptomyces coelicolor. Argoudelis AD, et al. J Antibiot (Tokyo) 24:206-8, Mar 71
Actinomycin mono-lactone, a metabolite of Streptomyces antibioticus 3720. Periman KL, et al. J Antibiot (Tokyo) 24:135-6, Feb 71
Antimetabolites produced by microorganisms. II. L-2-amino-4-pentynoic acid. Scannell JP, et al. J Antibiot (Tokyo) 24:239-44, Apr 71
Studies on antibiotic SF-837, a new antibiotic. I. The producing microorganism and isolation and characterization of the antibiotic. Tsuruoka T, et al. J Antibiot (Tokyo) 24:452-9, Jul 71
A new microbial metabolite, sphydrofuran. I. Isolation and the structure of a hydrolysis product. Umezawa S, et al. J Antibiot (Tokyo) 24:85-92, Feb 71
Transformation in Streptomyces with respect to antibiotic production. Biswas GD, et al. J Appl Bacteriol 34:287-94, Mar 71
Accumulation of streptomycin-phosphate in cultures of streptomycin producers grown on a high-phosphate medium. Miller AL, et al. J Bacteriol 104:8-12, Oct 70
The occurrence and genetics of some CO2 mutants in Streptomyces coelicolor. Vivian A, et al. J Gen Microbiol 61:263-71, May 70
Thermodynamic model of the production of antibiotics of the tetracycline type. Kfemen A. J Theor Biol 31:363-70, May 71
Studies on validamycins, new antibiotics. I. Streptomyces hygroscopicus var. limoneus nov. var., validamycin-producing organism. Iwasa T, et al. Jap J Antibiot 23:595-602, Dec 70
L-3-(2,5-dihydrophenyl)alanine, an antimetabolite of L-phenylalanine produced by a streptomycete. Scannell JP, et al. Jap J Antibiot 23:618-9, Dec 70
Isolation, purification, and characterization of anticapsin. Shah R, et al. Jap J Antibiot 23:613-7, Dec 70
Insecticidal activity of microbial metabolites. Huang HT, et al. Progr Ind Microbiol 9:79-112, 1971 (157 ref.)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Streptomyces sp. producing litmocidin. Abou-Zeid AA, et al. Z Allg Mikrobiol 11:5-10, 1971
Streptomyces mediolani (Arcamone et al.) emend. Bianchi et al. and its production of carotenoids. Bianchi ML, et al. Z Allg Mikrobiol 10:237-44, 1970
[Structure of griselimycin, polypeptide antibiotic extracted from streptomyces cultures. II. Structure of griselimycin] Terlain B, et al.
Bull Soc Chim Fr 6:2357-62, Jun 71 (Fre)
[Structure of griselimycin, polypeptide antibiotic extracted from streptomyces cultures. 3. Products related to griselimycin] Terlain B, et al.
Bull Soc Chim Fr 6:2363-5, Jun 71 (Fre)
[Structure of griselimycin, polypeptide antibiotic extracted Streptomyces cultures. I. Identification of the products liberated by hydrolysis] Terlain B, et al.
Bull Soc Chim Fr 6:2349-56, Jun 71 (Fre)
[Metabolic products of microorganisms. 87. L-2,5-Dihydrophenylalanine] Fickenscher U, et al.
Arch Mikrobiol 75:346-52, 1971 (Ger)
[Biosynthesis of D-aldgarose II] Schmid R, et al.
Z Naturforsch [B] 25:1259-63, Nov 70 (Ger)
[Synthesis of humic substances by Streptomyces aureus. 2. Behaviour of isolated fractions of humic substances during examination by absorption spectrography] Matschke J.
Zentralbl Bakteriol [Naturwiss] 125:150-61, 1970 (Ger)
[Synthesis of humic substance by Streptomyces aureus. I. Metabolic processes of Streptomyces aureus] Matschke J.
Zentralbl Bakteriol [Naturwiss] 125:85-99, 1970 (Ger)
[Synthesis of humic substance by Streptomyces aureus. 4. Comparison by infrared spectroscopy] Matschke J.
Zentralbl Bakteriol [Naturwiss] 125:438-47, 1970 (Ger)
[On the metabolites of Streptomyces luteoreticuli Katoh et Arai. I. Isolation of the metabolites] Yamagishi S, et al.
J Pharm Soc Jap 91:351-7, Mar 71 (Jap)
[Antibiotics produced by Streptomyces spinichromogenes var. kujimyceticus. 4. Therapeutic effects of kujimycins A and B in experimental infections in mice] Namiki S, et al.
Jap J Antibiot 23:279-86, Jun 70 (Jap)
[Production conditions and properties of the new antineoplastic antibiotic No. 294] Brazhnikova MG, et al. Antibiotiki 15:675-8, Aug 70 (Rus)
[Study of the conditions of formation of lincomycin by strain UV-914] Gavrilina GV, et al.
Antibiotiki 15:595-9, Jul 70 (Rus)
[The foam-inhibiting action of some individual organic compounds and their mixtures of alcoholic, acid and ester type during the biosynthesis of biovit in submerged cultures of Act. aureofaciens strain 2201] Ivanov StA, et al. Antibiotiki 16:254-8, Mar 71 (Rus)
[Formation of antibiotics antimetabolites of amino acids and vitamins by Actinomyces] Korobkova TP, et al. Antibiotiki 16:36-9, Jan 71 (Rus)
[Regularities in the formation of 2-acetyl-2-decarboxamidotetracycline during the fermentation of tetracycline] Makarevich VG, et al.
Antibiotiki 16:22-7, Jan 71 (Rus)
[Culture media for the inoculation of the oxytetracycline-producing organism] Orlova NV.
Antibiotiki 16:258-62, Mar 71 (Rus)
[Formation of streptomycin by an inactive mutant strain of Actinomyces streptomycini under the effect of the stimulating factors] Penzikova GA, et al.
Antibiotiki 16:27-32, Jan 71 (Rus)
[Stabilization of characteristics of streptomycin formation in artificial selection] Teteriatnik AF, et al.
Antibiotiki 16:267-70, Mar 71 (Rus)
[Physiological role of antibiotics in the biological activity of their producers] Toropova EG, et al.
Antibiotiki 15:658-68, Jul 70 (68 ref.) (Rus)
[Role of the A-factor in the biosynthesis of streptomycin] Tovarova II, et al.
Izv Akad Nauk SSSR [Biol] 3:427-34, May-Jun 70 (Rus)
[Mutations and expression of features in Actinomyces streptomycini Krass] Borisova LN, et al.
Mikrobiologiia 39:675-9, Jul-Aug 70 (Rus)
[Effect of o-aminophenol and pentoses on biosynthesis of tryptophan by Actinomycetes] Galanina LA, et al.
Mikrobiologiia 40:445-7, May-Jun 71 (Rus)
[The intracellular products of glucose transformation in Actinomyces longissimus rameus] Kasymova GA, et al. Mikrobiologiia 39:394-8, May-Jun 70 (Rus)
[Production of keto acids by Actinomyces olivaceus cultures] Kosheleva NA, et al.
Mikrobiologiia 38:761-5, Sep-Oct 69 (Rus)
[Morphologic changes in various microorganisms induced by antibiotic 81A isolated from Actinomyces globisporus] Kuraishi Kh, et al.
Mikrobiologiia 39:499-502, May-Jun 70 (Rus)
[Carbohydrate-containing substances in the mycelium of Actinomyces fradiae 129 in relation to neomycin biosynthesis] Levitov MM, et al.
Mikrobiologiia 38:1021-6, Nov-Dec 69 (Rus)
[Ribosomes of mutant Streptomyces aureofaciens, producing various quantities of chlortetracycline] Polek B, et al. Biologia (Bratisl) 25:617-20, 1970 (Slo)

RADIATION EFFECTS

Mutagenic effect of UV-light and x-rays on Streptomyces nigrifaciens and yield of the antifungal substance. Chaudhary KC, et al.
Experientia 27:706-7, Jun 71
Photoreactivation of killing in Streptomyces: action spectra and kinetic studies. Jagger J, et al.
Photochem Photobiol 12:185-96, Sep 70
[Selection of strains producing hygromycin B using roentgen rays] Tsyganov VA, et al.
Antibiotiki 15:679-82, Aug 70 (Rus)

STREPTOMYCIN (D3, D11)

Immunochemical and immunological studies on lipopolysaccharides of streptomycin-dependent mutants of Salmonella enteritidis. Stanislavski ES, et al. Immunochemistry 8:49-62, Jan 71
Reversion of a streptomycin-dependent strain of Escherichia coli. Birge EA, et al.
Mol Gen Genet 109:356-69, 1970
Streptomycin induced teratogenesis in developing and regenerating amphibians. Procaccini DJ, et al.
Oncology 24:378-87, 1970
Topography of the Escherichia coli 30S ribosomal subunit and streptomycin binding. Chang FN, et al.
Proc Natl Acad Sci USA 67:1321-8, Nov 70
Formation of 2-methyl-3-formylfuran from reduced streptomycin. Tsuji K, et al.
Tetrahedron Lett 48:4229-32, Oct 70
[Prevention of streptomycin-induced experimental nephritis in white rats by means of kidney-beta-gamma globulins] Gross A, et al.
C R Soc Biol (Paris) 164:1108-14, 1970 (Fre)
[Preventive action of kidney-immunoglobulins against streptomycin and dihydrostreptomycin induced renal lesions in white rats] Gross A, et al.
Therapie 25:951-9, Sep-Oct 70 (Fre)
[New aspects of respiratory allergy based on experimental results] Pedvinec S, et al.
Minerva Otorinolaringol 20:40-3, Mar-Apr 70 (Ita)
[Studies on the effect of antituberculosis agents against tubercle bacilli in the resting state, using streptomycin-dependent strain (18-b). I. Studies in vitro] Ota Y. Kekkaku 46:295-301, Aug 71 (Jap)
[Resistance of streptomycin in aqueous solutions] Kondrat'eva AP, et al.
Antibiotiki 15:722-7, Aug 70 (Rus)

ADMINISTRATION & DOSAGE

Rifampin in initial treatment of pulmonary tuberculosis. A U.S. Public Health Service tuberculosis therapy trial. Newman R, et al.
Am Rev Resp Dis 103:461-76, Apr 71
Unilateral vestibular ablation with streptomycin. A study in cats. Fairbanks DN, et al.
Arch Otolaryngol 93:590-6, Jun 71
Single-dose therapy with streptomycin and sulfamethoxypyrazine for bacteriuria during pregnancy. Williams JD, et al. Br Med J 4:651-3, 12 Dec 70
Studies on vaccination against bacillary dysentery. 5. Studies in Erythrocebus patas. Mel DM, et al.
Bull WHO 43:431-7, 1970
A controlled comparison of a twice-weekly and three once-weekly regimens in the initial treatment of pulmonary tuberculosis. Bull WHO 43:143-206, 1970
Bi-weekly streptomycin and isoniazid therapy after daily treatment for 3 months. Second investigation. Chatterji JC, et al. Indian J Chest Dis 11:177-85, Oct 69
Chloramphenicol with streptomycin, chloramphenicol with broxyquinoline and brobenzoxaldine suspension in diarrhoeas. Edibam E, et al.
Indian Pediatr 7:281-5, May 70
Treatment of occluded tubes by hydrotubation. Report of 94 cases of hydrotubation. Fuchs K, et al.
Int J Fertil 16:15-8, Jan-Mar 71
Combining cephaloridine and streptomycin for the treatment and prophylaxis of neonatal infections. Burland WL, et al. Postgrad Med J Suppl:85-9, Oct 70
Comparison of cephaloridine with a combination of penicillin and streptomycin in the treatment of lung abscess. Seftel HC, et al.
Postgrad Med J Suppl:121-3, Oct 70
Intermittent chemotherapy with three drugs in the treatment of pulmonary tuberculosis. Doyle JA, et al.
Tubercle 51:397-402, Dec 70
Isoniazid with thiacetazone (thioacetazone) in the treatment of pulmonary tuberculosis in East Africa--second report of fifth investigation. Aco-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils.
Tubercle 51:353-8, Dec 70
Streptomycin plus pyrazinamide in the retreatment of pulmonary tuberculosis--second report. A co-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils.
Tubercle 51:359-74, Dec 70
[Our region's possibilities in the ambulatory treatment of pulmonary tuberculosis with the biweekly administration of a perfused triple combination of isoniazid, streptomycin and PAS] Burghard G, et al.
Rev Tuberc Pneumol (Paris) 34:662-3, Jul-Aug 70 (Fre)
[Comparative therapeutic survey of 2 intermittent drug therapies. (Isoniazid (INH), ethionamid (ETA) and streptomycin (SM), isoniazid (INH). Results with 965 patients. Antituberculosis services in Morocco and Senegal] Burzoni F, et al.
Rev Tuberc Pneumol (Paris) 34:671-3, Jul-Aug 70 (Fre)
[Biweekly treatment of pulmonary tuberculosis with isoniazid and streptomycin, with or without initial continuous phase. Results obtained in Algiers] Larbaoui D, et al.
Rev Tuberc Pneumol (Paris) 32:572-3, Jun 68 (Fre)
[Studies on bactericidal activity in the therapy of enterococcal endocarditis] Tauchnitz C.
Dtsch Med Wochenschr 96:518, 19 Mar 71 (Ger)
[Results of a 3-year 2-phase treatment of contagious pulmonary tuberculosis in the Teterow district] Bauer U.
Z Erkr Atmungsorgane 133:423-6, Dec 70 (Ger)
[Action and adverse effects of a single and divided administration of a daily dose of antituberculer agent] Bethge W.
Z Erkr Atmungsorgane 133:426-33, Dec 70 (Ger)
[Outline of a new trend in therapy of vitreous opacity of inflammatory origin] Valerio M, et al.
Ann Ottalmol Clin Ocul 95:703-7, Aug 69 (Ita)
[Evaluation of initial combined chemotherapy with SM, INH and EB for pulmonary tuberculosis. 2. Comparison of SM, EB and INH regimen with that of SM, PAS and INH for experimental tuberculosis of mice] Makiyama H. Kekkaku 46:303-8, Aug 71 (Jap)
[[Comparative studies on therapeutic effects of SM.INH.PAS, SM.INH.PAS.EB twice weekly, and SM.INH.PAS.EB daily in original treatment cases of pulmonary tuberculosis]
Kekkaku 46:325-33, Aug 71 (Jap)
[Viability of the drug resistant Mycobacterium tuberculosis (study by the proportion method)] Belogurova VP, et al.
Antibiotiki 15:1010-3, Nov 70 (Rus)
[Effect of the product of benzoylation of streptomycin--undecabenzoylstreptomycin on the vaccinia virus] Goncharskaia TIa, et al.
Antibiotiki 15:1073-4, Dec 70 (Rus)
[Changes in the functional state of the liver in animals under the action of streptomycin, D-cycloserine, kanamycin and florimycin. Effect of antibiotics on alkaline phosphatase activity] Krepak OM, et al.
Antibiotiki 15:908-12, Oct 70 (Rus)
[Development of staphylococcal resistance to ethonium and some antibiotics] Sidorchuk II, et al.
Antibiotiki 16:302-4, 1971 (Rus)
[Effect of streptomycin on the reaction of acetylcholine with a cholinoreceptor in vitro] Speranskaia TA, et al.
Antibiotiki 16:262-5, Mar 71 (Rus)
[Blood cholesterol content in children following administration of monomycin and neomycin by various routes] Vereshchagin IA.
Antibiotiki 15:1130-3, Dec 70 (Rus)
[Effect of antibiotics on the incorporation of labelled amino acids into proteins of tissue culture cells infected by Staphylococcus aureus] Zak AF, et al.
Antibiotiki 14:200-5, 1969 (Rus)
[Infusion of medicinal substances through the umbilical vein in the treatment of hepatic abscesses] Ostroverkhov GE, et al.
Khirurgiia (Mosk) 46:75-9, Apr 70 (Rus)
[Comparative findings from various approaches of treating infiltrative and cavernous pulmonary tuberculosis in rabbits] Bondarev IM, et al.
Probl Tuberk 49:47-52, 1971 (Rus)
[Blood bacteriostatic activity in patients with tuberculosis of the urogenital system undergoing different methods of administration of antibacterial drugs] Gabinskiĭ BSh.
Probl Tuberk 49:80-2, 1971 (Rus)
[Blood concentration of basic tuberculostatic preparations with single administration of daily doses in pulmonary tuberculosis] Kanevskaia SS.
Probl Tuberk 48:54-8, 1970 (Rus)
[Streptomycin aerosol in lung diseases in calves] Golovizniin IuV, et al. Veterinariia 9:80-2, Sep 70 (Rus)
[The bacteriostatic activity of the blood and tissues of white rats following administration of streptomycin by different methods] Mordovs'koĭ GG, et al.
Mikrobiol Zh 31:680-2, Nov-Dec 69 (Ukr)

ADVERSE EFFECTS

Specific action of some drugs on Bechterew nystagmus. Kluyskens P.
Acta Otorhinolaryngol Belg 24:593-7, 1970
Iatrogenic ototoxic hearing loss. Nilges TC, et al.
Ann Surg 173:281-9, Feb 71
Case report: widespread involvement of the lungs in severe hypersensitivity reactions to antituberculous drugs. Chatterji JC. Indian J Chest Dis 9:41-3, Jan 67
Serum streptomycin levels and dizziness. Line DH, et al. Tubercle 51:76-81, Mar 70
[Fatal allergic accident after local application of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

penicillin-streptomycin powder] Bouchet A, et al. Lyon Chir 65:257-61, Mar-Apr 69 (Fre)
[Localized persistent candidiasis of the oral mucosa] Böhme H, et al. Dermatol Monatsschr 156:958-61, 1970 (Ger)
[Side effects of streptomycin and kanamycin from an otological view point] Rempt E. Z Erkr Atmungsorgane 134:177-83, 1971 (Ger)
[Streptomycin therapy during pregnancy and its effect on the hearing of the offspring] Ganguin G, et al. Z Laryngol Rhinol Otol 49:496-503, Aug 70 (Ger)
[Case of isolated lesion of the vestibular apparatus in a patient with pulmonary tuberculosis treated with streptomycin] Obara K. Otolaryngol Pol 25:109-11, 1971 (Pol)
[Electronystagmography in the vestibular syndrome caused by streptomycin] Cuțu G. Rev Med Chir Soc Med Nat Iasi 75:71-6, Jan-Mar 71 (Rum)
[Effect of vitaminization of the phagocytic activity of leukocytes in workers in streptomycin production] Gorbynova VI. Antibiotiki 15:652-4, Jul 70 (Rus)
[Morphological changes in the liver of guinea pigs with minor tubercular changes treated for a prolonged period with streptomycin, phthivazid and PASK] Rudaftene AP. Probl Tuberk 48:78-82, 1970 (Rus)
[Acute destructive allergosis of the lungs in bronchial asthma following intake of streptomycin] Krylov AA, et al. Ter Arkh 43:101-2, Mar 71 (Rus)
[Functional and morphological changes in the auditory analyzer of animals caused by streptomycin and colimycin] Giul'khasian AA. Zh Ushn Nos Gorl Bolezn 30:70-6, May-Jun 70 (Rus)
[Toxico-allergic reaction to streptomycin in tuberculous children] Kasarda VV. Pediatr Akush Ginekol 2:24-5, Mar-Apr 70 (Ukr)

BIOSYNTHESIS

Biosynthesis of streptomycin. VII. Stereospecificity of the enzymatic dehydrogenation of I-guanidino-1-deoxy-scyllo-inositol. Horner WH, et al. Biochim Biophys Acta 237:123-7, 20 Apr 71
Accumulation of streptomycin-phosphate in cultures of streptomycin producers grown on a high-phosphate medium. Miller AL, et al. J Bacteriol 104:8-12, Oct 70
[Formation of streptomycin by an inactive mutant strain of Actinomyces streptomycini under the effect of the stimulating factors] Penzikova GA, et al. Antibiotiki 16:27-32, Jan 71 (Rus)
[Stabilization of characteristics of streptomycin formation in artificial selection] Teteriatnik AF, et al. Antibiotiki 16:267-70, Mar 71 (Rus)
[Role of the A-factor in the biosynthesis of streptomycin] Tovarova II, et al. Izv Akad Nauk SSSR [Biol] 3:427-34, May-Jun 70 (Rus)
[Mutations and expression of features in Actinomyces streptomycini Krass] Borisova LN, et al. Mikrobiologiia 39:675-9, Jul-Aug 70 (Rus)
[The relationship between transamidinase activity and streptomycin biosynthesis] Penzikova GA, et al. Mikrobiologiia 39:337-42, Mar-Apr 70 (Rus)

BLOOD

Streptomycin pharmacokinetics in the newborn. Jalling B, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:111+, 1970
Specific assay of aminoglycosidic- or polymyxin-type antibiotics present in human sera in combination with cephalosporins. Stroy SA, et al. Appl Microbiol 21:1002-6, Jun 71
[Interaction of streptomycin with blood serum and protein fractions and various methods of its study] Kivman GIa, et al. Antibiotiki 15:622-6, Jul 70 (Rus)
[Characteristics of the determination of streptomycin and neomycin in blood serum by the agar diffusion method] Kivman GIa, et al. Antibiotiki 16:331-5, 1971 (Rus)

HISTORY

[In memoriam: Adalbert Loeschke 1903-1970] (Loeschke A), Joppich G. Monatsschr Kinderheilkd 118:469, Aug 70 (Ger)

ISOLATION & PURIFICATION

Thin layer chromatography (bioautography) of streptomycins. Heding H. Acta Chem Scand 24:3086-7, 1970

METABOLISM

Streptomycin uptake by Mycobacterium tuberculosis. Beggs WH, et al. Appl Microbiol 21:751-3, Apr 71
Streptomycin biosynthesis and metabolism. Enzymatic phosphorylation of dihydrostreptobiosamine moieties of dihydro-streptomycin-(streptidino) phosphate and dihydrostreptomycin by Streptomyces extracts. Walker MS, et al. J Biol Chem 245:6683-9, 25 Dec 70
[The effect of hyaluronidase on the resorption of streptomycin by the uterine mucosa and uterine tubes] Rizov V, et al. Akush Ginekol (Sofiia) 8:504-10, 1969 (Bul)
[Excretion of penicillin and streptomycin in milk] Simetskii OA. Veterinariia 12:77, Dec 70 (Rus)
[Effect of sensitization of the organism on the permeability of the hemato-labyrinthine barrier for labelled streptomycin and radioactive phosphorus] Sagalovich BM, et al. Zh Ushn Nos Gorl Bolezn 30:18-24, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

Auxotrophic mutation associated with low streptomycin resistance and slow growth in Bacillus subtilis. Marjai E, et al. Acta Microbiol Acad Sci Hung 17:133-45, 1970
Transducing phages of Rhizobium meililoti. Kowalski M. Acta Microbiol Pol [A] 2:109-13, 1970
N-demethylstreptomycin. 3. Antibacterial activity. Fredericks GJ, et al. Acta Pathol Microbiol Scand [B] 79:343-4, 1971
Depression of cardiac function by streptomycin and other antimicrobial agents. Cohen LS, et al. Am J Cardiol 26:505-11, Nov 70
pH and streptomycin influenes upon ionic calcium in serum. Pittinger CB. Anesth Analg (Cleve) 49:540-5, Jul-Aug 70
Mobilization of extrachromosomal determinants for streptomycin resistance by transferable colicinogenic factors. Krčméry V, et al. Ann NY Acad Sci 182:118-22, 11 Jun 71
Use of antibiotics in the study of ribosome action. Davis BD. Antimicrob Agents Chemother 9:11-7, 1969
Determination of drug resistance of Mycobacterium tuberculosis cultures. Montalbine V, et al. Appl Microbiol 21:732-8, Apr 71
Influence of some antibiotics on stationary NAD and NADP concentrations in rat liver and kidney. Popovici GG, et al. Arch Int Pharmacodyn Ther 188:73-8, Nov 70
Changes of the plastid system of Euglena gracilis induced with streptomycin and dihydrostreptomycin. Ebringer L, et al. Arch Mikrobiol 73:268-80, 1970
Sensitivity and resistance of a blue-green alga Phormidium mucicola to streptomycin and penicillin. Srivastava BS. Arch Mikrobiol 72:182-5, 1970
Combined surgical and radiation injury. IV. Effect of antimicrobials on the wound healing pattern of the x-irradiated rat. Donati RM. Arch Surg 102:132-5, Feb 71
Streptomycin induced release of fMet-tRNA from the ribosomal initiation complex. Leong JC, et al. Biochem Biophys Res Commun 42:530-7, 5 Feb 71
The level of Fmt-tRNA on ribosomes from streptomycin treated cells. Lennette ET, et al. Biochem Biophys Res Commun 41:804-11, 9 Nov 70
Effect of streptomycin on lipid composition with particular reference to cyclic depsipeptide biosynthesis in Serratia marcescens and other micro-organisms. Bermingham MA, et al. Biochem J 119:861-9, Oct 70
The action of streptomycin in a mutant of Escherichia coli with increased sensitivity to the antibiotic. Turnock G. Biochem J 118:659-66, Jul 70
Deficient energy metabolism in streptomycin-dependent Escherichia coli. Coukell MB, et al. Biochim Biophys Acta 223:439-41, 8 Dec 70
Lamellar proteins of green and chlorotic chloroplasts as affected by iron deficiency and antibiotics. Machold O. Biochim Biophys Acta 238:324-31, 13 May 71
Renal effects of streptomycin in rats. Raab WP. Clin Chim Acta 29:451-4, Sep 70
Two mutations giving low-level streptomycin resistance in Escherichia coli K 12. Roberts LM, et al. Genet Res 16:359-65, Dec 70
Dominance of streptomycin sensitivity over dependence in Escherichia coli K12 merodiploids. Bastarrachea F, et al. Genetics 63:759-74, Dec 69
Genetic analysis of streptomycin resistance in Escherichia coli. Breckenridge L, et al. Genetics 65:9-25, May 70
Genetic analysis of streptomycin dependence in Escherichia coli. Momose H, et al. Genetics 67:19-38, Jan 71
Mechanism of resistance to antibiotic synergism in enterococci. Zimmermann RA, et al. J Bacteriol 105:873-9, Mar 71
Genetic characteristics of streptomycin-resistant streptococci. Perry D. J Gen Microbiol 65:139-46, Feb 71
Comparative evaluation of effectivity of bacteriological examination and antibody neutralization reaction during the action of streptomycin on the plague microbe. Aparin GP. J Hyg Epidemiol Microbiol Immunol (Praha) 14:257-62, 1970
Prevention of antibiotic resistance in vitro in Staphylococcus aureus, Escherichia coli, and Pseudomonas aeruginosa by coumadin. De Courcy SJ Jr, et al. J Infect Dis 123:11-5, Jan 71
Drug dependence reversed by a ribosomal ambiguity mutation, ram, in Escherichia coli. Bjare U, et al. J Mol Biol 57:423-35, 14 May 71
Nature of phenotypic masking exhibited by drug-dependent streptomycin A mutants of Escherichia coli. Zimmermann RA, et al. J Mol Biol 57:403-22, 14 May 71
[The effects of antituberculosis chemotherapy in vitro under various conditions inadequate for the growth of tubercle bacilli. II. Antituberculosis activity of INH and SM in vitro after exposure to PAS. Maekawa N, et al. Kekkaku 46:293-4, Aug 71
A genetic and biochemical study of streptomycin- and spectinomycin-resistance in Salmonella typhimurium. Yamada T, et al. Mol Gen Genet 110:197-210, 1971
Streptomycin resistance in Bacillus megaterium. Ewing D. Mutat Res 12:315-9, Jul 71
Suppressive effect of streptomycin on the phagocytic activity of mouse peritoneal macrophages for Histoplasma capsulatum. Tewari RP, et al. Mycopathol Mycol Appl 44:231-40, 28 May 71
Streptomycin resistance and the study of ribosomal structure and function. Davis BD. N Engl J Med 283:1405-7, 17 Dec 70
Electron-microscopic study of mesosome structures in Mycobacterium tuberculosis strains isolated from patients with different susceptibility toward isoniazid and streptomycin. Radanov R, et al. Nauchni Tr Vissh Med Inst Sofiia 49:11-9, 1970
The effect of antibiotics and pulsating water jet lavage on contaminated wounds. Gross A, et al. Oral Surg 31:32-8, Jan 71
Breakdown by streptomycin of initiation complexes formed on ribosomes of Escherichia coli. Modolell J, et al. Proc Natl Acad Sci USA 67:1148-55, Nov 70
Antibody synthesis in vitro: the antigenic reactivity of antibodies to coliphage MS-2 synthesized in the presence and absence of streptomycin. Watkins AL, et al. Proc Soc Exp Biol Med 135:750-3, Dec 70
Transferable colicinogenic factors as mobilizing agents for extrachromosomal streptomycin resistance. Frédéricq P, et al. Z Allg Mikrobiol 11:11-7, 1971
An in vitro comparison of colicines K and V and some therapeutic antibiotics. McGeachie J. Zentralbl Bakteriol [Orig] 215:245-51, 1970
[Comparative study of the effect of streptomycin, dihydrostreptomycin and neomycin on motility characteristics and longevity of spermatozoa] Duijn C van Jr, et al. Ned Tijdschr Geneeskd 114:1525-30, 12 Sep 70 (Dut)
[Distribution of the modes of streptomycin resistance in the wild Enterobacteriaceae strains] Rassekh M, et al. Pathol Microbiol (Basel) 36:301-2, 1970 (Fre)
[Nystagmographic registration of rotatory and optokinetic nystagmus in guinea pigs and its influencing by streptomycin sulfate and dimorpholamin] Shirabe S. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:206-14, 30 Jul 71 (Ger)
[Suppression of the extranuclear streptomycin dependence in Chlamydomonas reinhardii] Schimmer O, et al. Arch Mikrobiol 73:195-200, 1970 (Ger)
[The effect of chloramphenicol and streptomycin on lamellar proteins of the chloroplasts of Vicia faba] Machold O. Exp Cell Res 65:466-7, Apr 71 (Ger)
[Significance of isoniazid for the therapy of experimental infection with total INH- and SM-resistant human tuberculosis bacteria in the mice] Matsumiya T, et al. Jap J Tuberc Chest Dis 16:14-29, Jul 70 (Ger)
[Segregation and re-segregation of an extranuclear gene in Chlamydomonas reinhardii] Schimmer O, et al. Mol Gen Genet 106:33-40, 1970 (Ger)
[Occurrence of Salmonellae in captive wild animals. 3. Antibiotic sensitivity of isolated strains of Salmonellae] Schröder HD, et al. Monatsh Vet Med 25:551-4, 15 Jul 70 (Ger)
[The transformability of Rhizobium trifolii] Birnbaum D. Zentralbl Bakteriol [Naturwiss] 122:561-72, 1968 (Ger)
[The effect of streptomycin and aromatic carbonic acid on the catalase activity in soil samples] Kunze C. Zentralbl Bakteriol [Naturwiss] 124:658-61, 1970 (Ger)
[Oral immunization against coli enteritis with streptomycin-dependent E. coli. V. Different efficiency of live Sm-d and heat killed E. coli O111 B4 vaccine in settling of the homologous Sm-r strain in mice with antibiotic sterilized intestine] Lindek, et al. Zentralbl Bakteriol [Orig] 215:286-95, 1970 (Ger)
[On the resistance of avian pseudoplague virus to some substances] Pagnini P, et al. Acta Med Vet (Napoli) 15:571-93, Nov-Dec 69 (Ita)
[Studies of the polychemoresistance of Mycobacterium tuberculosis] Curci G, et al. Arch Monaldi 25:99-114, Mar-Apr 70 (Ita)
[In vivo effect of streptomycin on the histochemical dye affinity of the salivary gland in the rat] Baroni E, et al. Arch Stomatol (Napoli) 10:179-85, Jul-Sep 70 (Ita)
[In vivo effect of streptomycin on the histochemical dye affinity of the salivary gland in the rat] Baroni E, et al. Arch Stomatol (Napoli) 10:179-85, Jul-Sep 69 (Ita)
[Inhibitory action of streptomycin on frog ampullar receptors] Rapuzzi G, et al. Boll Soc Ital Biol Sper 46:420-3, 30 Apr 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Action of streptomycin on the activity of lingual receptors] Rapuzzi G, et al.
Boll Soc Ital Biol Sper 46:417-20, 30 Apr 70 (Ita)
[Influence of streptomycin and dihydrostreptomycin on the isolated ampullar receptors of the frog] Harada Y, Hiroshima J Med Sci 19:125-35, Sep 70 (Ita)
[Streptomycin and isoniazid resistance of strains of Mycobacterium tuberculosis isolated in Catania] Placenti A, Lotta Tuberc 39:264-74, Oct-Dec 69 (Ita)
[Chloramphenicol, dihydrostreptomycin and kanamycin inactivating enzymes of R-factor resistant bacteria] Okamoto N, et al.
Jap J Bacteriol 25:581-90, Nov 70 (32 ref.) (Jap)
[Electronystagmographic studies of the effects of streptomycin upon the vestibular organ] Bochenek Z, et al. Gruzlica 39:289-95, Apr 71 (Pol)
[Analysis of the absence of correlation between the effectiveness of treatment of otitis media and the in vitro sensitivity to antibiotics of microorganisms] Szczypiorski K, et al.
Otolaryngol Pol 25:199-203, 1971 (Pol)
[Significance of coli bacteria atypical in relation to lactose in the sanitary evaluation of water. 3. Survival in water] Ziemińska S.
Rocz Panstw Zakl Hig 21:241-52, 1970 (Pol)
[Comparative characteristics of the influence of oxacillin, streptomycin and penicillin on early embryogenesis (experimental research)]
Kiriushchenkov AP, et al.
Akush Ginekol (Mosk) 46:40-4, May 70 (Rus)
[Effect of some antibiotics on the aldolase activity in rat tissues] Alamova GP.
Antibiotiki 16:328-31, 1971 (Rus)
[Comparative study of interaction of streptomycin and dihydrostreptomycin with macrophages cultivated in vitro] Iakovlev VP, et al.
Antibiotiki 15:901-4, Oct 70 (Rus)
[Study of the functional state of the liver in animals under the effect of streptomycin, D-cycloserine, kanamycin and florimycin. Effect of antibiotics on blood plasma proteins] Krepak OM, et al.
Antibiotiki 15:814-8, Sep 70 (Rus)
[Some properties of the product of streptomycin benzoylation] Lazareva EN, et al.
Antibiotiki 15:727-30, Aug 70 (Rus)
[Cross resistance of Mycobacterium tuberculosis to streptomycin, kanamycin and viomycin] Makarevich NM, et al. Antibiotiki 15:345-51, Apr 70 (Rus)
[Restoration of drug sensitivity in Mycobacterium tuberculosis to streptomycin and isoniazid during treatment with preparations of the 1st series] Rudof NM, et al. Antibiotiki 15:355-7, Apr 70 (Rus)
[Patterns in translation errors in vitro and in vivo] Mednikov BM, et al.
Biokhimiia 35:216-23, Mar-Apr 70 (Rus)
[Change in the amino acid composition of silkworm sericin (Bombyx mori L.) under the influence of streptomycin] Mednikov BM, et al.
Dokl Akad Nauk SSSR 188:1176-8, 11 Oct 69 (Rus)
[Transmission of multiple drug resistance in staphylococcal strains, isolated in the clinic] Smolianskaia AZ, et al. Lab Delo 11:669-72, 1970 (Rus)
[Factors affecting the activity of streptomycin, kanamycin and isoniazid in relation to intracellular Mycobacterium tuberculosis] Pavlov EP.
Probl Tuberk 48:72-6, 1970 (Rus)
[Virulent and immunogenic properties of streptomycin- and guanine-dependent mutant of S. typhimurium] Elkina SI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:10-3, Jan 71 (Rus)
[Resistance of staphylococci to ethonium and some antibiotics] Kucher VI.
Mikrobiol Zh 32:502-5, May-Jun 70 (Ukr)
[Study of staphylococcal resistance to decametoxin and some antibiotics] Sidorchuk II, et al.
Mikrobiol Zh 32:610-4, Sep-Oct 70 (Ukr)

POISONING

[Pathology of the vestibular apparatus in streptomycin and kanamycin ototoxicosis] Watanuki K.
J Otolaryngol Jap 74:1028-35, 1971 (Jap)

THERAPEUTIC USE

Eradication of leptospirosis from two commercial piggeries in South Australia. Dobson KJ.
Aust Vet J 47:186-8, May 71
The combination of rifampicin and other antituberculous agents in chronic murine tuberculosis. Kradolfer F, et al.
Chemotherapy 16:173-82, 1971
Ethambutol compared to streptomycin in original treatment of advanced pulmonary tuberculosis. Bobrowitz ID. Chest 60:14-21, Jul 71
Antibiotic synergism against enterococci. Kirby WM.
J Infect Dis 122:462-3, Nov 70
The present status of streptomycin in antimicrobial therapy. Martin WJ.
Med Clin North Am 54:1161-72, Sep 70 (12 ref.)
[Therapeutic trial with antituberculer agents] Velický J. Cesk Oftalmol 27:20-6, Jan 71 (Cze)
[Results of routine treatment of pulmonary tuberculosis patients treated for the 1st time] Bernard E, et al.
Rev Tuberc Pneumol (Paris) 33:967-74, Nov 69 (Fre)
[Effectiveness and possibilities of application to ambulatory patients in our region of a pulmonary tuberculosis therapy by the intermittent administration (I.V.) of the triple association isoniazid-streptomycin-PAS (preliminary results after a year)] Burghard G, et al.
Rev Tuberc Pneumol (Paris) 34:439-53, Apr-May 70 (Fre)
[Attempt at intermittent chemotherapeutic treatment of patients with bacilli resistant to streptomycin and isoniazid (cooperative survey by the antituberculer services of Marrakech, Meknes, Tangiers)] Burzoni FJ, et al.
Rev Tuberc Pneumol (Paris) 33:975-86, Nov 69 (Fre)
[Rifampicin, isoniazid (and streptomycin). (therapeutic results in primary complex pulmonary tuberculosis)] Fréour P, et al.
Rev Tuberc Pneumol (Paris) 34:698-706, Jul-Aug 70 (Fre)
[Severe hypoprothrombinemia in a tubercular patient treated by combined rifampicin, isoniazid, streptomycin and prothionamide] Hinaut G, et al.
Rev Tuberc Pneumol (Paris) 34:291-5, Mar 70 (Fre)
[Experimental contribution to the therapy of listeriosis] Tauchnitz C, et al.
Dtsch Gesundheitsw 25:718-22, 23 Apr 70 (Ger)
[Therapy of urinary tract infections in the child. Causative agent, antibiotics spectrum and results of therapy] Breunung M, et al.
Kinderaerztl Prax 39:128-39, Mar 71 (Ger)
[Drug therapy of tuberculosis in the child] Freerksen E.
Monatsschr Kinderheilkd 117:513-8, Aug 69 (130 ref.) (Ger)
[Report on the research project, "Chemotherapeutic Study"] Cramer G.
Z Erkr Atmungsorgane 133:418-23, Dec 70 (Ger)
[On the therapy of ozena] Mesoiella V.
Arch Ital Otol 80:163-80, May-Jun 69 (Ita)
[Use of antibody neutralization reaction for diagnosis of plague under conditions of streptomycin therapy] Aparin GP. Antibiotiki 15:626-9, Jul 70 (Rus)
[Blood bacteriostatic activity in patients depending on the type of inactivation of isonicotinic acid hydrazide in the body] Gil'madinova RSh, et al.
Antibiotiki 16:87-90, Jan 71 (Rus)
[Effect of hormonal therapy of prednisolone and insulin on the dynamics of penetration of streptomycin through the barrier of inflammed tissue in pulmonary tuberculosis] Karachunskiĭ MA, et al.
Antibiotiki 15:904-8, Oct 70 (Rus)
[Effect of antibiotic therapy on the course of homologous disease in mice-hybrids F 1] Fedosov EA, et al. Biull Eksp Biol Med 68:71-3, Jun 69 (Rus)
[Therapeutic effect of vanadyl sulfate in experimental tuberculosis] Bala IuM, et al.
Farmakol Toksikol 34:346-8, May-Jun 71 (Rus)
[Anti-inflammatory therapy of diabetes insipidus occurring after influenza] Kliachko VR, et al.
Sov Med 33:142-3, Jul 70 (Rus)
[Clinical significance of the variability of microbes during the local use of streptomycin in patients with chronic suppurative otitis media] Iaroslavtsev IuK.
Vestn Otorinolaringol 33:36-9, Jan-Feb 71 (Rus)
[Results of antibiotic treatment in certain types of dyspepsia] Fernandez Ibañez A, et al.
Rev Esp Enferm Apar Dig 33:451-74, 15 Feb 71 (Spa)
[Treatment of enterococcus septicemia and -endocarditis] Bengtsson E, et al.
Nord Med 85:962, 12 Aug 71 (Swe)
[The bacteriostatic activity of blood and lung tissue of tuberculosis patients following intramuscular administration of streptomycin] Mordovs'kof GG.
Mikrobiol Zh 32:122-4, Jan-Feb 70 (Ukr)

TOXICITY

Toxicity of streptomycin and terramycin, and influence on growth and developmental time of Drosophila melanogaster. Graf E, et al.
Experientia 26:1339-41, 15 Dec 70
Restriction of ototoxic effect of streptomycin. Beck C, et al. Eye Ear Nose Throat Mon 49:13-5, Jan 70
[Histophotometric determination of cytoplasmic RNA concentration in the internal ear of guinea pig after administration of streptomycin] Kraus H, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:308-7, 1970 (Ger)
[Experimental studies of the ototoxicity of some drugs] D'Avino A, et al.
Minerva Otorinolaringol 21:156-61, Jul-Aug 71 (Ita)

STREPTONIVICIN see NOVOBIOCIN (D3)

STREPTOVARICIN (D3)

ADMINISTRATION & DOSAGE

Kinetic testing of drugs against Mycobacterium leprae in mice. Activity of cephaloridine, rifampin, streptovaricin, vadrine, and viomycin. Shepard CC, et al. Am J Trop Med Hyg 20:616-20, Jul 71

PHARMACODYNAMICS

Inhibition of nucleoside incorporation into HeLa cells by streptovaricin. Tan KB, et al.
Biochem Biophys Res Commun 42:230-6, 22 Jan 71
Inhibition of poxvirus maturation by rifamycin derivatives and related compounds. Pennington TH, et al. J Virol 7:821-9, Jun 71
Inhibition of Poxvirus replication by streptovaricin. Quintrell NA, et al. J Virol 6:485-91, Oct 70
Streptovaricins inhibit RNA dependent DNA polymerase present in an oncogenic RNA virus. Brockman WW, et al.
Nature (Lond) 230:249-50, 26 Mar 71

STRESS (C17)

The predictive significance of ballistocardiographic dynamics to determine submaximal exercise stress. Knowlton RG, et al.
Am Correct Ther J 25:84-8, May-Jun 71
Effect of decapitation on blood levels of creatine phosphokinase. Meltzer H, et al.
Am Heart J 82:138, Jul 71
Catecholamine and metabolite excretion in cold-stressed immunosympathectomized rats. Shum A, et al. Am J Physiol 221:64-8, Jul 71
Natural history and surgical dilemma of "stress" gastric bleeding. Lucas CE, et al.
Arch Surg 102:266-73, Apr 71
A method of inducing stress for the assessment of drugs in man. Bushman JA, et al.
Br J Pharmacol 40:569P+, Nov 70
Acrosomal abnormality in ram spermatozoa due to heat stress. Rathore AK. Br Vet J 126:440-3, Aug 70
Performance under sub-optimal conditions. Opening address. Robens. Ergonomics 13:531-4, Sep 70
The stresses and strains on feet in industry. Turvey RJ. Ergonomics 13:569-75, Sep 70
Studies of children under imposed noise and heat stres. Wyon DP. Ergonomics 13:598-612, Sep 70
Goldfish retina structure and function in extended cold. Dawson WW, et al. Exp Neurol 31:368-82, Jun 71
Stress electrocardiography in the diagnosis of arrhythmias. Bellet S, et al. Geriatrics 25:102-7, Nov 70
Vibration and human performance. Grether WF. Hum Factors 13:203-16, Jun 71
Comparison of various physical and integrated indices as measures of environmental heat stress. Mehta NR, et al. Indian J Med Res 58:1117-24, Sep 70
Variability of physiological parameters of unacclimatized males during a two-hour cold stress of 5 degrees C. Raven PR, et al.
Int J Biometeorol 14:309-20, Sep 70
Effects of hypothalamic deafferentation on adrenocortical responses to cold stress. Chowers I, et al. Isr J Med Sci 7:323-5, Feb 71
Effects of hypnotic susceptibility and training on responses to stress. London P, et al.
J Abnorm Psychol 76:336-48, Dec 70
Cortisone acetate and stress on the healing process of chronic gastric ulcer in rats. Okabe S, et al.
J Appl Physiol 30:793-6, Jun 71
Effects of level and rate of body surface cooling on psychomotor performance. Kiess HO, et al.
J Appl Psychol 54:386-92, Aug 70
Apparent memory differences in inbred mice produced by differential reaction to stress. Duncan NC, et al.
J Comp Physiol Psychol 74:383-9, Mar 71
Effects of chronic stress and differential environments upon brain weights and biogenic amine levels in rats. Riege WH, et al.
J Comp Physiol Psychol 71:396-404, Jun 70
Effects of hypnotically suggested analgesia on physiological and subjective responses to cold stress. Evans MB, et al.
J Consult Clin Psychol 35:362-71, Dec 70
Life stress and psychological well-being: a replication of Langner's analysis in the Midtown Manhattan Study. Berkman PL.
J Health Soc Behav 12:35-45, Mar 71
Studies on the antidotal action of drugs. 3. Effects of vitamin C conjoined pharmaceuticals on high- and low-temperature stresses. Tamura T, et al.
J Nihon Univ Sch Dent 12:171-8, Dec 70
Hyperlipidemia induced by the stress of racing driving. Taggart P, et al. Lancet 1:854, 24 Apr 71
Behavioral and neurochemical effects of acute swim stress are due to hypothermia. Stone EA.
Life Sci [I] 9:877-88, 1 Aug 70
Interaction of arousal and task difficulty upon perceptual restriction. Long GM, et al.
Percept Mot Skills 32:259-64, Feb 71
Facilitation of pursuit rotor learning by induced stress. Marteniuk RG, et al.
Percept Mot Skills 31:471-7, Oct 70
Analysis of task difficulty under varying conditions of induced stress. Thornton JW, et al.
Percept Mot Skills 31:343-8, Oct 70
Central vs. peripheral catecholamines in rats during

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

adaptation to chronic restraint stress. Blaszkowski TP, et al. Pharmacology 4:321-33, 1970

Electrocardiographic stress tolerance tests. Simonson E. Progr Cardiovasc Dis 13:269-92, Nov 70 (113 ref.)

Exteroceptive stimulation as a contingent factor in the induction and elicitation of delayed-type hypersensitivity reactions to 1-chloro-, 2-4, dinitrobenzene in guinea-pigs. Mettrop PJ, et al. Psychophysiology 5:385-8, Jan 69

A comparison of GSR and subjective adaptation to stressful stimuli. Stern RM, et al. Psychophysiology 7:3-9, Jul 70

Psychopharmacology and general adaptation syndrome. Bruschi WC. Psychosomatics 11:513-6, Sep-Oct 70

Stress fractures. A classification of the earliest radiographic signs. Savoca CJ. Radiology 100:519-24, Sep 71

Stress and behavior. Levine S. Sci Am 224:26-31, Jan 71

Acute ulceration (stress ulcers) of the upper gastrointestinal tract. Patterson HC. South Med J 64:983-7, Aug 71

Diagnosis and management of massive hemorrhage from postoperative stress ulcers of the descending duodenum. Blakemore WS, et al. Surg Clin North Am 50:979-84, Oct 70

Phenobarbital and dexamethasone inhibition of the adrenocortical response of rats to toxic chemicals and other stresses. Szot RJ, et al. Toxicol Appl Pharmacol 17:761-73, Nov 70

[Acoustic climate--noise--stress--noise deafness] Bonnevie P. Ugeskr Laeger 133:949-50, 14 May 71 (Dan)

[Tolbutamide test in rabbits] Cruz-Horn A, et al. C R Acad Sci [D] (Paris) 272:2920-3, 7 Jun 71 (Fre)

[Influence of negative atmospheric ions on the thermo-algesic sensitivity of mice] Olivereau JM. C R Soc Biol (Paris) 164:287-91, 25 Sep 70 (Fre)

[Tibial stress fracture: study of the healing of a human fracture] D'Amours C, et al. Laval Med 42:491-5, May 71 (Fre)

[Resistance tests on the bent human tibia] Ehler EM PFAU H, et al. Anat Anz 127:531-9, 1970 (Ger)

[Objective studies of the effects of tranquilizing agents] Harrer G, et al. Arzneim Forsch 20:921-3, Jul 70 (Ger)

[Human stress in simulated pressure effects on shelters] Kleinhanss G, et al. Biomed Tech (Stuttg) 16:24-32, Feb 71 (Ger)

[The composition of the serum free fatty acids as an indicator of sympatho-adrenal activity during anesthesia and surgery] Jage J, et al. Dtsch Gesundheitsw 26:488-92, 11 Mar 71 (Ger)

[Psychic and somatic injury to the laying hen due to caging] André V. Dtsch Tieraerztl Wochenschr 74:460-2, 15 Sep 67 (Ger)

[Studies on excessive demand on the driver in street traffic] Hoffmann H. Hefte Unfallheilkd 99:180-3, 1969 (Ger)

[Postoperative stress reaction after neurosurgical procedures in comparison to standard reactions] Wendt F. Langenbecks Arch Chir 321:114-25, 1968 (Ger)

[Psychic motivation of parafunctions caused by aggression and myoarthropathy of the masticatory apparatus] Graber G. Schweiz Monatsschr Zahnheilkd 81:713-8, Aug 71 (Ger)

[The fine structure of the rat stomach under the influence of a restraint-induced stress] Hübner G, et al. Verh Dtsch Ges Pathol 54:386-93, 1970 (Ger)

[Mechanisms of stress-induced ulcerations in the stomach of restrained rats. A morphological and functional analysis] Klein HJ, et al. Virchows Arch [Pathol Anat] 352:195-208, 1971 (Ger)

[Work situation stresses in employees] Siegrist J. Z Allgemeinmed 47:1037-40, 20 Jul 71 (Ger)

[Catecholamines and cortisol in relation to labor stress] Descovich GC, et al. Endocrinol Sci Cost 31:69-87, May 70 (Ita)

[Experimental study of tolerance to accelerations and of psychomotor behavior of man during flight under alarm conditions. II. Resistance to accelerations and psychomotor behavior of man during exposure to high temperature and without a preceding period of clinostatic position] Rota P. Riv Med Aeronaut Spaz 33:117-25, Jan-Mar 70 (Ita)

[Experimental study of tolerance to accelerations and of the psychomotor behavior of man during flight under alarm conditions. I. Changes of resistance to accelerations and of psychomotor behavior in man after remaining in a clinostatic position for a limited period of time] Rota P. Riv Med Aeronaut Spaz 33:107-16, Jan-Mar 70 (Ita)

[The reactivity of the cathepsins of the nervous tissue and their integration in the cellular mechanisms of adaptation to stress] Gabrielescu E, et al. Ann Histochim 16:119-28, Apr-Jun 71 (Jap)

[Histochemical study of the adrenal cortex during exposure to cold and administration of salivary gland hormone] Satake M. Clin Endocrinol (Tokyo) 18:920-4, Nov 70 (Jap)

[Effects of halothane anesthesia and surgical stress on plasma ADH levels] Sato K. Jap J Anesthesiol 20:418-32, May 71 (Jap)

[Studies on the effect of stress factors, external irradiation and selected pharmacological agents on the retention of radioactive cesium (CS 137) in rat body] Majle T. Rocz Panstw Zakl Hig 21:497-508, 1970 (Pol)

[Aspects of physiology and physiopathology of supersonic flight] Filcescu V. Fiziol Norm Patol 17:143-50, 1971 (Rum)

[Development of natural immunity in the progeny of dogs following disorders in the normal course of pregnancy] Ermolov VI. Biull Eksp Biol Med 71:64-6, Mar 71 (Rus)

[Effect of extreme conditions on the growth of cultured kidney tissue] Pashchenko VP. Biull Eksp Biol Med 70:94-8, Aug 70 (Rus)

[Hematopoietic changes in rats during stress reaction] Zimin IuI. Biull Eksp Biol Med 68:19-22, Jun 69 (Rus)

[Significance of the conditions of operation of adaptogenic factors in the formation of the spectrum of nonspecific resistance of the organism] Rusin VIa. Fiziol Zh SSSR 57:304-9, Feb 71 (Rus)

[Physiological and biochemical changes in working under neuro-emotional and physical stress] Vasil'eva M, et al. Gig Sanit 35:78-80, Feb 70 (Rus)

[Behavioral and electroencephalographic reactions evoked by stimulation of the medial and lateral septal zones in rabbits] Kozlovskaia MM, et al. Zh Vyssh Nerv Deiat 20:1022-30, Sep-Oct 70 (Rus)

[Relation of the effect of stress compared to the effect of physical work to the point of exhaustion on the value of antidiuretic activity of the neurohypophysis] Hrubik O. Med Pregl 23:203-6, 1970 (Ser)

[The evolution of the concept of stress: stress and cardiovascular diseases] Selye H. Folia Clin Int (Barc) 19:471-89, Oct 69 (Spa)

[The predepressive cellular excitation phenomenon. Its fundamentals and relations with the general adaptation syndrome and stress] Marqués Sala R, et al. Rev Esp Anestesiol Reanim 18:78-91, Jan 71 (Spa)

[Evaluation of reactivity of the sympathoadrenal system in pilots during flight by determination of urinary catecholamines] Debijadi R, et al. Vojnosanit Pregl 27:510-4, Nov 70 (Cro)

BLOOD

Effects of subzero temperatures and trawling stress on serum osmolality in the winter flounder Pseudopleuronectes americanus. Umminger BL. Biol Bull 139:574-9, Dec 70

Hematological effects of Dennison tagging upon juvenile pink salmon (Oncorhynchus gorbuscha). Cardwell RD, et al. Comp Biochem Physiol 38:497-508, 1 Mar 71

Effect of "stress" on serum prolactin and luteinizing hormone levels during the estrous cycle of the rat. Neill JD. Endocrinology 87:1192-7, Dec 70

The response of human adrenocorticotrophic hormone and growth hormone to surgical stress. Newsome HH, et al. J Clin Endocrinol Metab 33:481-7, Sep 71

Blood total sulphydryl groups in human beings after surgery. Gupta ML, et al. J Indian Med Assoc 55:199-201, 16 Sep 70

A quantitative study of eosinopenia and other stress indices. Weber H. J Sports Med Phys Fitness 11:12-23, Mar 71

The role of methylamphetamine on plasma hexosamine level under stress. Chatterjee AK, et al. Jap J Pharmacol 20:439-41, Sep 70

Hypermagnesemia following exposure to acute stress. Classen HG, et al. Pharmacology 5:287-94, 1971

[Aspects of 35S-methionine metabolism during surgical stress] Szantay I, et al. Agressologie 11:389-94, 1970 (Fre)

[Research on experimental hyperlipemia. II. Isolation and "in vitro" study of a natural inhibitor of the clarifying factor] Tayeau F, et al. Bord Med 3:1999-2008, Sep 70 (Fre)

[Research on experimental hyperlipemia. 3. Action "in vivo" of the inhibitor of the clarifying factor] Tayeau F, et al. Bord Med 3:2011-4, Sep 70 (Fre)

[Blood sialoglycoproteins in a stress syndrome and during tissue growth] Jayle MF, et al. Expos Annu Biochim Med 30:143-72, 1970 (92 ref.) (Fre)

[Behavior of adenylate kinase (myokinase), adenosine triphosphate (ATP) and K- and Na-ions in the serum or blood under standardized physical stress] Kaffarnik H, et al. Z Gesamte Exp Med 153:324-30, 1970 (Ger)

[Effect of methoxyflurane anesthesia and surgical stress on the concentration of plasma antidiuretic hormone (ADH)] Sato K, et al. Shujutsu 25:626-33, May 71 (Jap)

[Effect of neuroleptanesthesia and surgical stress on the concentration of growth hormone and insulin in the human blood] Takiguchi M, et al. Surg Ther (Osaka) 24:577-84, May 71 (Jap)

[Corticosteroid reaction to stress in experimental toxic hepatitis] Lempert BL, et al. Biull Eksp Biol Med 71:21-4, Apr 71 (Rus)

[The role of histaminemia in altering the number of eosinophils in stress] Makarov IA. Vrach Delo 65-8, Jan 71 (Rus)

CHEMICALLY INDUCED

[The central mechanisms of the stress effect of schizophrenic patient serum] Gaskin LZ, et al. Zh Nevropatol Psikhiatr 70:576-81, 1970 (Rus)

COMPLICATIONS

Further studies on the relationship between Menière, psychosomatic constitution and stress. Siirala U, et al. Acta Otolaryngol (Stockh) 70:142-7, Aug 70

The evolution of the stress concept. Stress and cardiovascular disease. Selye H. Am J Cardiol 26:289-99, Sep 70 (66 ref.)

Studies on the polycystic ovaries of rats under continuous auditory stress. Singh KB, et al. Am J Obstet Gynecol 106:557-64, 15 Oct 70

Conditions of work: Psychological and endocrine stress reactions. Fröberg J, et al. Arch Environ Health 21:789-97, Dec 70

Gastric mucosal changes following burns in rats. A morphological and metabolic approach to the stress ulcer problem. Chiu CJ, et al. Arch Surg 103:147-52, Aug 71

Acute stress ulceration with bleeding or perforation. Girvan DP, et al. Arch Surg 103:116-21, Aug 71

The influence of environmental and surgical stressors on susceptibility to bacterial endotoxin. Osborne JC, et al. Exp Med Surg 28:39-44, 1970

Endogenous uveitis in relation to stress--a clinical study. Sen DK. Eye Ear Nose Throat Mon 50:106-10, Mar 71

Surgical management of stress ulcerations in childhood: report of five cases. Krasna IH, et al. J Pediatr Surg 6:301-6, Jun 71

Prospective study of gastric secretion in stressed patients with intracranial injury. Idjadi F, et al. J Trauma 11:681-8, Aug 71

The effect of heat stress on body development in rats. Dikstein S, et al. Life Sci [I] 9:1191-200, 15 Oct 70

Vitamin A deficiency and surgical stress. Freiman M, et al. Surg Forum 21:81-2, 1970

Prospective analysis of factors influencing the development of stress ulceration. Lucas CE, et al. Surg Forum 21:308-10, 1970

Stress fractures in joggers. Graham CE. Tex Med 66:68-73, Sep 70

[New technic of production of experimental gastric ulcers in the white rat: ulcer caused by exposure to cold] Jondet A, et al. Ann Pharm Fr 26:767-70, 1968 (Fre)

[Acid-base equilibrium: variations during experimental stresses] Guerrin F, et al. Lille Med 16:549-56, Apr 71 (Fre)

[Postoperative stress ulcers in children (3 cases)] Beraud C, et al. Lyon Med 222:1041-54, 7 Dec 69 (Fre)

[Metabolic changes in the rat submaxillary gland in acoustic sensory "stress". Introductory note] De Campora E, et al. Boll Mal Orecch Gola Naso 88:195-200, 1970 (Ita)

[Stress, ulcer and stomach acidity] Fukutomi H, et al. Jap J Clin Med 28:2383-93, Oct 70 (Jap)

[Experimental stress ulcer of the stomach and amines] Fujiwara M, et al. Saishin Igaku 25:2058-67, Oct 70 (110 ref.) (Jap)

[Stress-ulcer--hemorrhage] Rostad H. Nord Med 84:1236-9, 24 Sep 70 (33 ref.) (Nor)

[Surgical treatment of thrombosis due to stress (Paget-Schroetter syndrome)] Klement AA, et al. Vestn Khir 103:75-80, Nov 69 (Rus)

[Effect of some factors in conditions of space flight on the course of experimental staphylococcal infection in albino mice] Prokhorov VIa, et al. Zh Mikrobiol Epidemiol Immunobiol 47:82-6, Nov 70 (Rus)

DIAGNOSIS

The use of ultra-low frequency ballistocardiograms in clinical practice with special reference to the causes of amplitude variations. Smith JE. Bibl Cardiol 26:152-5, Mar-Apr 69

An analytical study of the indices of thermal stress with respect to human body temperature. Ramanathan NL, et al. Indian J Med Res 58:1104-12, Aug 70

[Stress and the adaptation syndrome from the surgical viewpoint] Schultis K. Dtsch Med Wochenschr 96:1339-42, Aug 71 (17 ref.) (Ger)

DRUG THERAPY

Effect of drugs on animals exposed to chronic environmental stress. Smookler HH, et al. Fed Proc 29:1980-4, Nov-Dec 70

[General restorative therapy for the aged: clinical testing of a combination preparation] Bonaccorso O, et al. Clin Ter 48:171-9, 31 Jan 69 (Ita)

ENZYMOLOGY

Plasma creatine phosphokinase activity, hypothermia, and stress. Meltzer HY. Am J Physiol 221:896-901, Sep 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Nucleoside deaminase: an enzymatic marker for stress erythropoiesis in the mouse. Rothman IK, et al. J Clin Invest 49:2051-67, Nov 70

Studies of acid phosphatase and nonspecific esterase activities in rat adrenal glands following operative stress. Cloudhury SR, et al. J Histochem Cytochem 18:650-9, Sep 70

Elevation of serum dopamine-beta-hydroxylase activity with forced immobilization. Weinshilboum RM, et al. Nature [New Biol] 230:287-8, 28 Apr 71

[Effect of Eleuterococcus and ginseng extracts on the activity and adaptive synthesis of tryptophan pyrrolase in rats] Brekhman II, et al. Izv Akad Nauk SSSR [Biol] 1:31-7, Jan-Feb 71 (Rus)

ETIOLOGY

Tension signs in lumbar disc prolapse. Scham SM, et al. Clin Orthop 75:195-204, Mar-Apr 71

Development of stress ulcer in rats and guinea pigs by mechanical rotation. Hase T, et al. J Appl Physiol 30:580-2, Apr 71

IMMUNOLOGY

[Phagocytic activity of leukocytes in pain stimulation in postnatal ontogenesis] Chernikov IuT. Biull Eksp Biol Med 71:18-20, Jan 71 (Rus)

METABOLISM

Corticotrophin release induced by traumatic stress in rats with unilateral spinal cord lesion. Makara GB, et al. Acta Physiol Acad Sci Hung 38:199-203, 1970

Effects of adrenal hormones and stress on brain serotonin. Curzon G. Am J Clin Nutr 24:830-4, Jul 71

Effect of several models of stress and amphetamine on brain levels of amphetamine and certain monoamines. Salama AI, et al. Arch Int Pharmacodyn Ther 181:474-83, Oct 69

Studies on the function of deoxyribonuclease inhibitor after partial hepatectomy. Hayasaki N, et al. Biochim Biophys Acta 238:75-81, 29 Apr 71

Effects of stress and betamethasone on the production of corticosterone by the rat adrenal gland in vitro. Hodges JR, et al. Br J Pharmacol 41:640-7, Apr 71

Response to stress. Besser GM. Br Med J 4:176, 17 Oct 70

Minor tranquillizers, stress and central catecholamine neurons. Corrodi H, et al. Brain Res 29:1-16, 4 Jun 71

Chronic restraint and glycine, phenylalanine and oleic acid absorption. Yau WM, et al. Comp Biochem Physiol 39:545-7, 1 Jul 71

Synthesis of adrenal catecholamines in rats during and after immobilization stress. Kvetňanský R, et al. Endocrinology 89:46-9, Jul 71

Immobilization stress induced changes in adrenocortical and medullary cyclic AMP content in the rat. Paul MI, et al. Endocrinology 88:338-44, Feb 71

In vivo conversion of corticosterone into aldosterone in rats treated with ACTH or submitted to stress. Vecsei P, et al. Experientia 26:1015-6, 26 Sep 70

Influence of surgical and steroidal bursectomy on the behavior of adrenal ascorbic acid during stress in juvenile pigeons. Bhattacharyya TK, et al. Gen Comp Endocrinol 15:420-4, Dec 70

Nutrition in disease and stress. Balsley M, et al. Geriatrics 26:87-93, Mar 71

The effect of restraint stress on purine metabolism: a method of studying DNA synthesis in gastrointestinal mucosa. Mackinnon AM, et al. Gut 11:979, Nov 70

Stress induced changes in myocardial acetylcholine cholinesterase and 5-hydroxytryptamine and their modification by antiadrenergic drugs. Godhwani JL, et al. Indian J Med Res 58:1729-35, Dec 70

Studies on rat brain acetylcholine and cholinesterase. I. Effect of body weight, sex, stress and C.N.S. depressant drugs. Naik SR, et al. Indian J Med Res 58:473-9, Apr 70

Stress induced changes in catecholamine, glycogen and blood glucose levels and their modification by antiadrenergic drugs. Sharma VN, et al. Indian J Med Res 58:1063-72, Aug 70

Effect of cold stress on acetylcholine and 5-HT contents of rat myocardium and its modification by eserine, mecamylamine and reserpine. Sharma VN, et al. Indian J Med Res 57:1583-72, Aug 69

Psychoendocrine studies of patients with spinal cord lesions. McDaniel JW, et al. J Abnorm Psychol 76:117-22, Aug 70

Stress-induced increases in catecholamines in the brain of the young chick. Sparber SB. J Pharm Pharmacol 22:880, Nov 70

Stress-mediated decrease in liver hexobarbital metabolism: the role of corticosterone and somatotropin. Wei E, et al. J Pharmacol Exp Ther 177:227-33, Apr 71

Effect of cold stress on acetylcholine content of rat myocardium and its modification by atropine. Khanna NK. Jap J Pharmacol 21:425-6, Jun 71

Effect of chlordiazepoxide on stress in rats. Krulík R, et al. Life Sci [I] 10:145-51, 1 Feb 71

Effects of caging on the ascorbic acid content of the adrenal glands of the guinea-pig and gerbil. Hughes RE, et al. Life Sci [II] 10:53-5, 8 Jan 71

Persistent alteration of turnover of brain noradrenaline in the offspring of rats subjected to stress during pregnancy. Huttunen MO. Nature (Lond) 230:53-5, 5 Mar 71

Changes in hypothalamic content of corticotropin-releasing activity following stress during neonatal maturation in the rat. Hiroshige T, et al. Neuroendocrinology 7:257-70, 1971

Brain histamine: rapid apparent turnover altered by restraint and cold stress. Taylor KM, et al. Science 172:1037-9, 4 Jun 71

[Effect of tetrachlormethane intoxication on metabolic response of the heart muscle and liver to stress] Baláž V, et al. Cas Lek Cesk 110:629-32, 1971 (Cze)

[Metabolism of heart muscle and liver under conditions of a pathogenic diet and in response to stress] Baláž V, et al. Cas Lek Cesk 110:633-6, 1971 (Cze)

[Incorporation of 35S-methionine in the liver proteins in rats under stress by immobilization] Szantay I, et al. Acta Med Iugosl 24:357-61, 1970 (Fre)

[Incorporation of radiosulfate in the tissues of normal rats and rats under restraint] Lambert R, et al. Biol Gastroenterol (Paris) 1:35-44, 1969 (Fre)

[Brain- and heart metabolism. II. Metabolism of brain and heart on different conditions of stress] Thorn W. Aerztl Forsch 25:29-34, 10 Feb 71 (Ger)

[Modification of the metabolic answer to cure the starvation stress in the morning after bath] Baláž V, et al. Arch Phys Ther (Leipz) 22:283-7, Sep-Oct 70 (Ger)

[Effect of progesterone on noradrenaline metabolism in the brain of ovariectomized rats] Ladisich W, et al. Arzneim Forsch 20:906-8, Jul 70 (Ger)

[Brain- and heart metabolism. II. Brain- and heart metabolism in different stress conditions] Thorn W. Arzneim Forsch 21:29-34 concl, 10 Feb 71 (Ger)

[Experiments on the effect of copper disodium ethylenediamine tetraacetate (Na2-EDTA) on tissue and peritoneal mast cells of Wistar rats with special reference to the "acute conditioned necrosis"] Dorsche HH von, et al. Virchows Arch [Zellpathol] 7:54-62, 1971 (Ger)

[Experience with acoustic sensory stress. V. Behavior of sodium and potassium in the rat submandibular gland in audiogenic stress] Croce G, et al. Boll Mal Orecch Gola Naso 87:300-6, 1969 (Ita)

[Oxidation and condensation of phlorhizin in apple tree tissues] Sarapuu LP. Biokhimiia 36:343-53, Mar-Apr 71 (Rus)

[The importance of catecholamines in the development of reflex dystrophies of the stomach wall] Anichkov SV, et al. Biull Eksp Biol Med 63:89-91, Nov 67 (Rus)

[Catecholamines of the oral region of the brain stem in normal conditions and in conditions of rapidly developing stress (histochemical study)] Belova TI, et al. Biull Eksp Biol Med 70:93-6, Dec 70 (Rus)

[The role of acetylcholine in the pathogenesis of stress ulcers of the gastrointestinal tract] Bondarenko IuI. Biull Eksp Biol Med 71:29-30, Mar 71 (Rus)

[Some biochemical and electron microscopic characteristics of heart mitochondria in hypokinesis] Kopteva LA, et al. Biull Eksp Biol Med 70:21-4, Aug 70 (Rus)

[Properdin and protein content of the lymph and blood in stress] Kurochkin VI. Biull Eksp Biol Med 71:12-3, Jan 71 (Rus)

[Changes in corticosteroid and catecholamine metabolism accompanying acute restrictions of mobility] Parin VV, et al. Dokl Akad Nauk SSSR 184:250-1, Jan 69 (Rus)

[Corticotropin-releasing activity of rat hypothalamic extracts under stress conditions] Drzhevetskaia IA, et al. Patol Fiziol Eksp Ter 15:42-5, May-Jun 71 (Rus)

OCCURRENCE

Dental asymmetry as an indicator of genetic and environmental conditions in human populations. Bailit HL, et al. Hum Biol 42:626-38, Dec 70

PATHOLOGY

[Ultrastructural study of the interrenal cells of Salamandra salamandra L. (Amphibiam Urodeles). II. Effect of endogenous ACTH] Berchtold JP. Z Zellforsch Mikrosk Anat 110:517-39, 1970 (Fre)

[Ultrastructural study of the interrenal cells of Salamandra salamandra L. (Amphibiam Urodeles). II. Effect of endogenous ACTH] Berchtold JP. Z Zellforsch Mikrosk Anat 10:517-39, 1970 (Fre)

[Morphological changes in the thyroid gland following chronic cold stress] Piroth M, et al. Endokrinologie 56:347-55, 1970 (Ger)

[Morphology of vessels of certain endocrine glands in dogs exposed to whole-body vertical vibration] Rakhimov IaA, et al. Arkh Anat Gistol Embriol 58:43-9, Nov 70 (Rus)

[Terminal vascular bed under the influence of laterally directed stress] Kuprijanov VV, et al. Biull Eksp Biol Med 66:113-6, Sep 68 (Rus)

[Structural and functional changes in the anterior hypothalamus medial zone of animals during application of extraordinary stimulation and DOPA administration] Zavodskaia IS, et al. Dokl Akad Nauk SSSR 197:732-3, 21 Mar 71 (Rus)

[Effect of whole-body vertical vibration on the gastric mucosa of albino rats] Iakubovich TG, et al. Gig Sanit 35:98-100, Dec 70 (Rus)

PHYSIOPATHOLOGY

Investigation of pituitary-adrenocortical function in the elderly during standardized operations and postoperative intravenous metyrapone test assessed by plasma cortisol, plasma compound S and eosinophil cell determinations. Jensen HK, et al. Acta Endocrinol (Kbh) 67:495-507, Jul 71

Pituitary response to stress in Cushing's disease. Werder K von, et al. Acta Endocrinol (Kbh) 67:127-40, May 71

Afferent pathways of stressful stimuli: their dependence on strength and the time elapsed after the onset of stimulation. Stark E, et al. Acta Physiol Acad Sci Hung 38:43-9, 1970

Stress responses as criteria for personnel selection: baseline study. Mefferd RB Jr, et al. Aerosp Med 42:42-51, Jan 71

Prematurity and low birth weight litters: a mechanism elicited by thermal stress. Billinson MR. Am J Obstet Gynecol 108:970-4, 15 Nov 70

The effect of estrogens and progestins on blood pressure regulation of normotensive women. Eiff AW von, et al. Am J Obstet Gynecol 109:887-92, 15 Mar 71

Nervous regulation of factor-VIII levels in man. Mannucci PM, et al. Br J Haematol 20:195-207, Feb 71

Evaporative cooling in the rat: differences between salivary glands as thermoregulatory effectors. Hainsworth FR, et al. Can J Physiol Pharmacol 49:573-80, Jun 71

Accelerated response of hepatic DNA synthesis to partial hepatectomy in rats pretreated with growth hormone or surgical stress. Moolten FL, et al. Cancer Res 30:2353-7, Sep 70

Maximal treadmill stress test correlated with postexercise phonocardiogram in normal subjects. Aronow WS, et al. Circulation 43:884-8, Jun 71

Hemodynamic effects of angiotensin in normal and environmentally stressed monkeys. Forsyth RP, et al. Circulation 44:119-29, Jul 71

The effect of ambient temperature on restraint ulcer in the rat. Martin MS, et al. Digestion 3:331-7, 1970

Luteinization of ovarian transplants in gonadectomized male and female rats under stressful conditions and its relation to sexual differentiation of the hypothalamus. Machida T. Endocrinol Jap 17:189-93, Jun 70

Hypothalamic mediation of growth hormone and adrenal stress response in the squirrel monkey. Brown GM, et al. Endocrinology 89:694-703, Sep 71

Inhibitory effect of L-dihydroxyphenylalanine on the venous 17-hydroxycorticosteroid response to surgical stress in dogs. Van Loon GR, et al. Endocrinology 88:1404-14, Jun 71

Leishmania braziliensis: physical and chemical stress in hamsters. Noble GA. Exp Parasitol 29:30-2, Feb 71

Isolation versus grouping effects on adrenal and gonadal function in albino mice. II. The female. Brain PF, et al. Gen Comp Endocrinol 16:155-9, Feb 71

The in vivo measurement of the short circuit potential in the small intestine. II. The effect of stress on the electrical activity of the jejunum. Mannino JR. J Am Osteopath Assoc 70:1114-5, Jun 71

Temperature regulation of the unanesthetized cat during mild cold and severe heat stress. Adams T, et al. J Appl Physiol 29:852-8, Dec 70

Age as a factor in open-field responsiveness in the white rat. Livesey PJ, et al. J Comp Physiol Psychol 73:93-9, Oct 70

Further studies on isolation-induced adrenal hypertrophy in the female albino mouse. Brain PF, et al. J Endocrinol 49:xix-xx, Mar 71

Changes in behavior, brain, and neuroendocrine chemistry with age and stress in C57BL-10 male mice. Samorajski T, et al. J Gerontol 26:168-75, Apr 71

The effect of stress upon the determination of serum prolactin by radioimmunoassay. Raud HR, et al. Proc Soc Exp Biol Med 136:689-93, Mar 71

Salivary secretion in children following operative stress. Groza P, et al. Rev Roum Physiol 6:253-8, 1969

Autoadaptation mechanism of the human body. Saito A. Tohoku J Exp Med 102:289-312, Nov 70

[Reactivation of the hypothalamo-thyroid axis. Technics and results] Riviere J, et al. Ann Endocrinol (Paris) 32:17-30, Jan-Feb 71 (Fre)

[Influence of pregnancy on the response of hypothalamo-hypophyso-adrenal complex to aggressions] Jego P, et al. C R Acad Sci [D] (Paris) 272:1133-6, 22 Feb 71 (Fre)

[Effects of emotional components in aggression due to ether in female rats] Beraud G, et al. C R Soc Biol (Paris) 164:1644-50, 1970 (Fre)

[Study of the responsiveness of the hypothalamo-hypophysioadrenal axis to stress by ether in the rat: effects of intraperitoneal injection] Jégo P, et al. C R Soc Biol (Paris) 164:2117-21, 1970 (Fre)

[Sex influences on the response of the hypothalamo-hypophysio-adrenal axis to emotional

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and systemic stress in the rat] Lescoat G, et al. C R Soc Biol (Paris) 164:2106-13, 1970 (Fre)
[Behavior of mice subjected to an algogenic thermal stimulus after treatment with positive atmospheric ions] Olivereau JM, et al. C R Soc Biol (Paris) 164:501-5, 1970 (Fre)
[Stress reaction of the adrenal gland regenerated after neonatal autografting] Brudieux R, et al. J Physiol (Paris) 1:Suppl 1:97, 1969 (Fre)
[Renal clearance of calcium and phosphorus during ulcerogenic restraint in rats. Effect of parathyroidectomy, of thyroparathyroidectomy and of adrenalectomy] Gairard A, et al. J Physiol (Paris) 1:Suppl 1:131-2, 1969 (Fre)
[Catecholamine liberation during ulcerogenic restraint in rats: influence of medulla adrenalectomy] Gairard A, et al. J Physiol (Paris) 63:51A, Mar-Apr 71 (Fre)
[Influence of sex hormones on the response intensity of the adrenal-hypothalamo-hypophyseal system to an emotional agression in rats] Lescoat G, et al. J Physiol (Paris) 63:69A-70A, Mar-Apr 71 (Fre)
[Secretion of antidiuretic hormone during different types of aggression in the rat] Lutz B, et al. J Physiol (Paris) 1:Suppl 1:149+, 1969 (Fre)
[Effect of acceleration on water and electrolyte homeostasis in the rat] Benetato G, et al. Rev Roum Physiol 7:15-27, 1970 (Fre)
[Adrenergic system and stress] Klepping J, et al. Sem Hop Paris 47:116-32, 8 Jan 71 (46 ref.) (Fre)
[Postoperative stress reaction with respect to relative adrenocortical insufficiency in comparison with standard behavior] Wendt F. Endokrinologie 56:339-46, 1970 (Ger)
[Changes in acid-base equilibrium in healthy and tuberculous children and adolescents under measured stress] Hötter GJ. Kinderaerztl Prax 38:105-11, Mar 70 (Ger)
[Biochemical verification of surgically and anesthesia-dependent stress situations] Kreppel E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:378-9, 1970 (Ger)
[Stress dependent changes in the gastrointestinal tract] Selye H. Verh Dtsch Ges Inn Med 75:213-24, 1969 (Ger)
[Stress and flying] Jira F. Wien Med Wochenschr 120:29-32, 17 Jan 70 (Ger)
[Reorganization of the brain mechanisms on the response to the repeated stress] Kawakami M, et al. J Physiol Soc Jap 32:727-47, 1970 (107 ref.) (Jap)
[Effects of droperidol-pentazocine-N2O anesthesia and surgical stress adrenocortical function] Takiguchi M, et al. Jap J Anesthesiol 20:36-41, Jan 71 (Jap)
[Activity of the limbio-hypothalamic system in the process of adaptation and repeated stress] Kawakami M, et al. Saishin Igaku 25:2118-31, Oct 70 (36 ref.) (Jap)
[Influence of sialoadenectomy and cyanide on the stress loop] Igarashi T. Shikwa Gakuho 71:1356-70, May 71 (Jap)
[Influence of choline, parotin and salivary glandectomy on adrenal corticosterone levels in rats subjected to enforced fasting] Katagiri S. Shikwa Gakuho 70:1481-90, Dec 70 (Jap)
[Studies on the effect of vibration on the thyroid gland function] Jurczak ME. Acta Physiol Pol 21:671-5, Sep-Oct 70 (Pol)
[An analysis of arterial pressure and the efficiency of myocardial work in rabbits growing under conditions of training to hypoxia and skeleto-muscular strain] Antonova GA. Biull Eksp Biol Med 67:34-6, Jun 69 (Rus)
[Seasonal variations in the blood corticosterone level in animals kept in groups and in isolation] Naumenko EV, et al. Dokl Akad Nauk SSSR 195:750-2, 1970 (Rus)
[Structural and functional changes in the anterior hypothalamus medial zone of animals during application of extraordinary stimulation and DOPA administration] Zavodskaia IS, et al. Dokl Akad Nauk SSSR 197:732-3, 21 Mar 71 (Rus)
[Origin and mechanism of bradycardia arising during training] Chinkin AS, et al. Fiziol Zh SSSR 56:916-20, 1970 (Rus)
[Changes in gas metabolism, gas homeostasis and tissue respiration in rats during prolonged hypokinesis] Popkov VL, et al. Fiziol Zh SSSR 56:1808-12, Dec 70 (Rus)
[Strain of physiological functions in machinist-operators of different ages at control panels] Maksimova OF. Gig Sanit 36:43-7, 1971 (Rus)
[Kinin system of the kidneys in different physiological states in healthy persons and in hypertension] Nekrasova AA, et al. Kardiologiia 10:9-15, Nov 70 (Rus)
[Role of the adrenal glands in hematopoietic organ changes in the beginning period of the stress reaction] Gorizontov PD, et al. Patol Fiziol Eksp Ter 14:38-44, Mar-Apr 70 (Rus)
[Effect of o,p-DDD on the secretion of 11- and 17-hydroxycorticosteroids in dogs during stress] Reznikov AG, et al. Patol Fiziol Eksp Ter 14:38-40, Jul-Aug 70 (Rus)
[Hormones and stress] Luft R, et al. Nord Med 84:1257-64, 1 Oct 70 (67 ref.) (Swe)

PREVENTION & CONTROL

Head cooling in work and heat stress. Nunneley SA, et al. Aerosp Med 42:64-8, Jan 71
[Stress crisis caused by tumor degradation products following multiple stage cancer therapy and its control by increasing the alpha 2-globulin fractions] Ardenne M von, et al. Z Gesamte Inn Med 26:175-8, 1 Mar 71 (Ger)
[Acoustic problems in Sao Paulo] Marone S. Resen Clin Cient 38:173-82 contd, Jul-Aug 69 (Por)

URINE

Uropepsinogen reaction in surgical stress in terms of age. Groza P, et al. Rev Roum Physiol 6:203-6, 1969

VETERINARY

Cardiac output in weanling piglets with bacterial endotoxin shock superimposed on surgical shock. Osborne JC, et al. Cornell Vet 61:470-6, Jul 71
Energy balance during heat stress in sheep. Ames DR, et al. J Anim Sci 32:784-8, Apr 71
Early embryo development in the mammal. I. Effects of experimental alterations during first cell division in the mouse zygote. Elliott DS, et al. J Anim Sci 33:86-95, Jul 71
Environmental physiology in the sub-tropics. I. Effect of continuous environmental stress on some hematological values of beef cattle. Gutierrez JH, et al. J Anim Sci 32:968-73, May 71
Total body solids loss as a measure of a short-term heat stress in cattle. Kamal TH, et al. J Anim Sci 32:307-11, Feb 71
Serum enzyme and electrolyte levels of "stress-resistant" Chester White pigs and "stress-susceptible" Poland China pigs. Schmidt GR, et al. J Anim Sci 31:1168-71, Dec 70
Evaluation of stressor agents in domestic animals. Wilson WO. J Anim Sci 32:578-83, Mar 71
The stress response in the abundance of circulating leucocytes in the killifish, Fundulus heteroclitus. I. The cold-shock sequence and the effects of hypophysectomy. Pickford GE, et al. J Exp Zool 177:89-96, May 71
The stress response in the abundance of circulating leucocytes in the killifish, Fundulus heteroclitus. II. The role of catecholamines. Pickford GE, et al. J Exp Zool 177:97-108, May 71
The stress response in the abundance of circulating leucocytes in the killi fish, Fundulus heteroclitus. 3. The role of the adrenal cortex and a concluding discussion of the leucocyte-stress syndrome. Pickford GE, et al. J Exp Zool 177:109-17, May 71
Effect of heat stress on laying and non-laying hens. Boone MA, et al. Poult Sci 50:473-7, Mar 71
Family variation of four year old white Plymouth Rock males to heat stress. Boone MA, et al. Poult Sci 50:859-61, Mar 71
Responses of commercial broiler chicks to acute gamma radiation stress in the range of 900-1600 R. Brisbin IL Jr, et al. Poult Sci 50:397-402, Mar 71
Interaction of aflatoxicosis with Candida albicans infections and other stresses in chickens. Hamilton PB, et al. Poult Sci 50:906-12, May 71
Hypothermal stress resistance in the domestic fowl. 1. Evidence of genetic variability. Shawer MF, et al. Poult Sci 50:890-4, May 71
Cold stress regulation in young chickens. Wekstein DR, et al. Poult Sci 50:56-61, Jan 71
Plasma levels of muscle enzymes in the Pietrain pig in relation to the acute stress syndrome. Allen WM, et al. Vet Rec 87:410-1, 3 Oct 70
Experimentally induced acute stress syndrome in Pietrain pigs. Allen WM, et al. Vet Rec 87:64-9, 18 Jul 70
"Blindness" in a bullock. Corcoran CJ. Vet Rec 88:670-1, 19 Jun 71
Stress and the domestic fowl: a physiological appraisal. Freeman BM. Worlds Poult Sci J 27:263-75, Jul-Sep 71 (120 ref.)
[Significance of the hematocrit in the determination of blood sugar levels in whole blood] Graul C, et al. Arch Exp Veterinaermed 25:50-64, 1971 (Ger)
[Tendency towards cor pulmonare in pigs which died during transport] Wegner W, et al. Dtsch Tieraerztl Wochenschr 77:637-40, 15 Dec 70 (Ger)
[Influence of exogenous stress on the 11-hydroxycorticosteroid plasma concentration and the behavior of eosinophilic granulocytes in cattle] Lange W. Monatsh Vet Med 25:140-4, 15 Feb 70 (Ger)
[Truck transport of animals] Walla F. Wien Tieraerztl Monatsschr 58:206-11, 1971 (Ger)

STRESS, PSYCHOLOGIC (F1)

see also related
CROWDING (F1)

Colonic temperature of rats during handling. Briese E, et al. Acta Physiol Lat Am 20:97-102, 1970
Data regarding the problem of physical allergies. Brassai Z, et al. Allerg Asthma (Leipz) 16:68-74, 1970
A comparison of the effects of hypnosis and relaxation training on stress reactions in a dental situation. McAmmond DM, et al. Am J Clin Hypn 13:233-42, Apr 71
The medical person as a patient. Robinson L. Am J Nurs 71:1728-9, Sep 71
Participation of pulmonary circulation in the defense reaction. Szidon JP, et al. Am J Physiol 220:364-70, Feb 71
Emotional hazards of police work. Symonds M. Am J Psychoanal 30:155-60, 1970
Attitudinal interactions in psychotherapy. Betz BJ. Am J Psychother 24:477-84, Jul 70
Defensive structuring and environmental stress. Siegel BJ. Am J Sociol 76:11-32, Jul 70
Job pressures and research performance. Hall DT, et al. Am Sci 59:64-73, Jan-Feb 71
Some social implications of high density housing. Mitchell RE. Am Sociol Rev 36:18-29, Feb 71
Scared to death? Elkinton JR. Ann Intern Med 74:789-90, May 71
Sudden and rapid death during psychological stress. Folklore or folk wisdom? Engel GL. Ann Intern Med 74:771-82, May 71
Critical life-events and prevention strategies in mental health. Smith WG. Arch Gen Psychiatry 25:103-9, Aug 71
A comparison of the electrical activity of masseter and temporal muscles of human subjects during experimental stress. Yemm R. Arch Oral Biol 16:269-73, Mar 71
Neurochemical changes associated with isolation and environmental stimulation. Essman WB. Biol Psychiatry 3:141-7, 1971
Pollution, somatopsychics, and disease. Wortis J. Biol Psychiatry 3:103-4, 1971
The reporting of recent stress in the lives of psychiatric patients. Brown GW, et al. Br J Psychiatry 118:378-9, Mar 71
High blood pressure as a psychosomatic disorder: a selective review. Cochrane R. Br J Soc Clin Psychol 10:61-72, Feb 71 (59 ref.)
A psychiatrist in space? Br Med J 1:245-6, 30 Jan 71
Catecholamines and behaviour. Frankenhaeuser M. Brain Res 24:552-3, 18 Dec 70
Effect of restraint stress on the oxygen consumption and (14C)leucine incorporation into brain cortex slices of rats. Semiginovsky B, et al. Brain Res 23:298-301, 13 Oct 70
"Over the hump" in Vietnam. Adjustment patterns in a time-limited stress situation. Morris LE. Bull Menninger Clin 34:352-62, Nov 70
Stress in the test tube. Effects of ACTH and adenosine-3',5'-monophosphate (cyclic AMP) on corticosteroid and lactic acid production in vitro. Birmingham MK. Can Psychiatr Assoc J 15:635-40, Dec 70
Adrenal regulation in the wild captive squirrel monkey: a model of chronic stress. Brown GM, et al. Can Psychiatr Assoc J 15:425-31, Oct 70
Reactions of arterial and venous vessels in the human forearm and hand to deep breath or mental strain. Delius W, et al. Clin Sci 40:271-82, Mar 71
Some physiologic responses to high-speed handpiece noises. Rapp GW. Dent Dig 77:136-40, Mar 71
Psychiatric aspects of extreme environmental stress. Hocking F. Dis Nerv Syst 31:542-5, Aug 70
Patterns of growth hormone and cortisol responses to psychological stress in the squirrel monkey. Brown GM, et al. Endocrinology 88:956-63, Apr 71
Performance under sub-optimal conditions. Opening address. Robens. Ergonomics 13:531-4, Sep 70
Middlescence: age related stress periods during adult years. Horrocks JE, et al. Genet Psychol Monogr 82:119 passim, Nov 70
Perceptual narrowing during simulated pressure-chamber exposure. Weltman G, et al. Hum Factors 13:99-107, Apr 71
The function of ambiguity in child crises. Stein M. J Am Acad Child Psychiatry 9:462-76, Jul 70
Autonomic responses during a replicable interrogation. Berkhout J, et al. J Appl Psychol 54:316-25, Aug 70
Morale and productivity consequences of group leadership style, stress, and type of task. Rosenbaum LL, et al. J Appl Psychol 55:343-8, Aug 71
Information seeking in a natural stress situation. Vernon DT. J Appl Psychol 55:359-63, Aug 71
Abortion or no abortion--what decides? McCance C, et al. J Biosoc Sci 3:116-20, Jan 71
Scanning, stress, and the defense profile. Hoffman HE. J Clin Psychol 27:199-202, Apr 71
Litter size variations and emotional reactivity in BALB-c mice. LaBarba RC, et al. J Comp Physiol Psychol 75:254-7, May 71
An experimental analog of public speaking. Droppleman LF, et al. J Consult Clin Psychol 36:91-6, Feb 71
Hope as a method of coping. Korner IN. J Consult Clin Psychol 34:134-9, Apr 70
Projective drawings by children under repeated dental stress. Eichenbaum IW, et al. J Dent Child 38:164-73, May-Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Plasma corticosterone levels in rats killed sequentially at the "trough" or "peak" of the adrenocortical cycle. Dunn J, et al. J Endocrinol 49:347-8, Feb 71
Effects of stress on habituation of the orienting reflex. Maltzman I, et al. J Exp Psychol 87:207-14, Feb 71
Medical school class and illness history. Johnston RG, et al. J Med Educ 45:888-92, Nov 70
Verbal anxiety and the beta adrenergic receptors: a facilitating mechanism? Cleghorn JM, et al. J Nerv Ment Dis 151:266-72, Oct 70
The compulsion to repeat trauma. Experimental study of intrusive thinking after stress. Horowitz MJ, et al. J Nerv Ment Dis 153:32-40, Jul 71
Psychological status and the perception of primary and secondary support from the social milieu in time of crisis. Lindenthal JJ, et al. J Nerv Ment Dis 153:92-8, Aug 71
Life events and psychiatric impairment. Myers JK, et al. J Nerv Ment Dis 152:149-57, Mar 71
Effect of stress on the disposition of catecholamines localized in various intraneuronal storage forms in the brain stem of the rat. Thierry AM, et al. J Neurochem 18:449-61, Mar 71
Effects of social stress on oral and other bodily tissues. II. Results offering substance to a hypothesis for the mechanism of formation of periodontal pathology. Manhold JH, et al. J Periodontol 42:109-11, Feb 71
Effect of stress, knowledge of results, and proactive inhibition on verbal recognition memory (d') and response criterion (Lx). Clark WC, et al. J Pers Soc Psychol 17:42-7, Jan 71
Temporal factors and the cognitive mediators of stress reaction. Folkins CH. J Pers Soc Psychol 14:173-84, Feb 70
Reduction of stress in humans through nonveridical perceived control of aversive stimulation. Geer JH, et al. J Pers Soc Psychol 16:731-8, Dec 70
Availability of avoidance behaviors in modulating vascular-stress responses. Hokanson JE, et al. J Pers Soc Psychol 19:60-8, Jul 71
Anxiety, defensiveness, and differential prediction of performance in stress and nonstress conditions. Houston BK. J Pers Soc Psychol 17:66-8, Jan 71
Situational denial and performance under stress. Houston BK, et al. J Pers Soc Psychol 16:726-30, Dec 70
Trait and situational denial and performance under stress. Houston BK. J Pers Soc Psychol 18:289-93, Jun 71
Motor performance under stress: a test of the inverted-U hypothesis. Martens R, et al. J Pers Soc Psychol 16:29-37, Sep 70
Self-control and predictability: their effects on reactions to aversive stimulation. Staub E, et al. J Pers Soc Psychol 18:157-62, May 71
Effect of mother-child separation and birth order on young children's responses to two potentially stressful experiences. Vernon DT, et al. J Pers Soc Psychol 5:162-74, Feb 67
Sentence completion correlates of airline pilot attitude and proficiency. Lunneborg PW, et al. J Proj Tech Pers Assess 34:497-502, Dec 70
An index for measuring perceived stress in a college population. Jacobs PD, et al. J Psychol 70:9-15, Sep 68
Stress, authoritarianism, and the enjoyment of different kinds of hostile humor. La Gaipa JJ. J Psychol 70:3-8, Sep 68
Factor analysis of a somatic perception questionnaire. Landy FJ, et al. J Psychosom Res 15:179-81, Jun 71
Life stress and illness patterns in the U.S. Navy. V. Prior life change and illness onset in a battleship's crew. Rubin RT, et al. J Psychosom Res 15:89-94, Mar 71
Illness in relation to life situation and sick-role tendency. Thurlow HJ. J Psychosom Res 15:73-88, Mar 71
Innominate science, the specialty of general practice. Harris CM. J R Coll Gen Pract 20:194-201, Oct 70
The repression-sensitization scale and measures of prejudice. Cheson BD, et al. J Soc Psychol 80:197-200, Apr 70
Family tension in the search for a kidney donor. Simmons RG, et al. JAMA 215:909-12, 8 Feb 71
Psychological motives for medical hospitalization. Vaillant GE, et al. JAMA 214:1661-5, 30 Nov 70
Amyloidosis in the white Pekin duck. I. Relation to social environmental stress. Cowan DF, et al. Lab Invest 23:551-5, Nov 70
Psychological factors and steroid abnormalities in lung cancer. Brown RI. Lancet 1:593, 20 Mar 71
The stress of racing driving. Falkner F. Lancet 1:650, 27 Mar 71
Hyperlipidaemia induced by the stress of racing driving. Taggart P, et al. Lancet 1:854, 24 Apr 71
Psychiatric observations in a chronic hemodialysis program. Halper IS. Med Clin North Am 55:177-91, Jan 71
Effects of fallout shelter confinement on mental health. Beussee MP, et al. Ment Hyg 55:121-3, Jan 71
Psychiatric disorders in young women: the public health implications. Mazer M. Ment Hyg 54:436-9, Jul 70
Comparison of World War II, Korean, and Vietnamese prisoners of war. Halloran AV. Minn Med 53:919-22, Aug 70 (18 ref.)
Stressor-induced release of substances from the rat amygdala detected by the push-pull cannula. Winson J, et al. Nature [New Biol] 230:251-3, 21 Apr 71
Influence of progesterone on norepinephrine metabolism of the rat brain in connection with amphetamine and stress. Ladisich W, et al. Neuroendocrinology 7:16-24, 1971
Helping patients cope with hospitalization. Langlois P, et al. Nurs Outlook 19:334-6, May 71
Role strain in a diversified role set--the director of nursing service. II. Sources of stress. Arndt C, et al. Nurs Res 19:491-501, Nov-Dec 70
A measure of emotional distress in private gynecologic practice. Rickels K, et al. Obstet Gynecol 38:139-46, Jul 71
Stress and its influence on gestation. Shabanah EH, et al. Obstet Gynecol 37:574-9, Apr 71
Psychosocial study of childhood poisoning: a 5-year follow-up. Margolis JA. Pediatrics 47:439-44, Feb 71
On a behavioral explanation of UFO sightings. Appelle S. Percept Mot Skills 32:994, Jun 71
Heart rate and performance in manual missile guidance. Bergstroem B, et al. Percept Mot Skills 32:352-4, Apr 71
Performance criteria in diver training. Deppe AH. Percept Mot Skills 32:718, Jun 71
Emotional involvement while anticipating an examination: a psychophysical study. Lundberg U, et al. Percept Mot Skills 31:603-9, Oct 70
Homologous intrusions: an analogue of linguistic blends. MacKay DG, et al. Percept Mot Skills 32:645-6, Apr 71
Reduction of noise annoyance through manipulation of stressor relevance. Munz DC, et al. Percept Mot Skills 32:55-8, Feb 71
Effects of physical exertion on mental performance of college males of different physical fitness level. Weingarten G, et al. Percept Mot Skills 31:371-8, Oct 70
Development of so-called "genuine" epileptic seizures in dogs during emotional excitement. Martínek Z, et al. Physiol Bohemoslov 19:185-95, 1970
Psychic stress and the oralcavity. Lefer L. Postgrad Med 49:171-5, Jan 71
Occult mood in musculoskeletal diseases. Ward VG. Postgrad Med 48:156-60, Oct 70
The analysis of cardiac interbeat interval sequences and the effects of mental work load. Sayers BM. Proc R Soc Med 64:707-10, Jul 71
Correlation between psychic and endocrinological responses to emotional stress. Jones MT, et al. Progr Brain Res 32:325-35, 1970
Psychological factors relating to activation and inhibition of the adrenocortical stress response in man: a review. Sachar EJ. Progr Brain Res 32:316-24, 1970 (11 ref.)
Psychological aspects of chronic haemodialysis. Harari A, et al. Psychiatr Neurol Neurochir 74:219-23, May-Jun 70
Psychosocial correlates of serum urate levels. Mueller EF, et al. Psychol Bull 73:238-57, Apr 70
Mental load, heart rate and heart rate variability. Blitz PS, et al. Psychol Forsch 33:277-88, 1970
Psychological and physiological reactions to noise of different subjective valence (TTS and EMG). Hörmann H, et al. Psychol Forsch 33:289-309, 1970
Note on stress, anxiety and related defenses in a controlled situation. Capel WC, et al. Psychol Rep 27:351-5, Oct 70
Effect of an external stress on commonality of verbal associates. Coren S, et al. Psychol Rep 28:328-30, Feb 71
Repressor-sensitizer differences in psychiatric patients on repeated exposures to film induced stress. Davidson PO, et al. Psychol Rep 28:159-62, Feb 71
Influence on the induction and elicitation of contact-dermatitis in guinea pigs. Mettrop PJ, et al. Psychophysiology 8:45-53, Jan 71
Combined autonomic effects of concurrently-applied stressors. Patton GW. Psychophysiology 6:707-15, May 70
Consistency of performance change and autonomic response as a function of expressed attitude toward a specific stress situation. Pearson DW, et al. Psychophysiology 6:561-8, Mar 70
Personality correlates of physiological responses to motion pictures. Roessler R, et al. Psychophysiology 6:732-9, May 70
Stress, early experience and adjuvant-induced arthritis in the rat. Amkraut AA, et al. Psychosom Med 33:203-14, May-Jun 71
Psychologic correlates of growth hormone and adrenal secretory responses of patients undergoing cardiac catheterization. Greene WA, et al. Psychosom Med 32:599-614, Nov-Dec 70
Effect of psychosocial stimulation on the enzymes involved in the biosynthesis and metabolism of noradrenaline and adrenaline. Henry JP, et al. Psychosom Med 33:227-37, May-Jun 71
Psychoendocrine study of adaptation in young hemophiliacs. Mattsson A, et al. Psychosom Med 33:215-25, May-Jun 71
The stress of aircraft carrier landings. I. Corticosteroid responses in naval aviators. Miller RG, et al. Psychosom Med 32:581-8, Nov-Dec 70
Multiple determinants of 17-hydroxycorticosteroid excretion in recruits during basic training. Poe RO, et al. Psychosom Med 32:369-78, Jul-Aug 70
Prediction of illness behavior from measures of life crisis, manifest distress and maladaptive coping. Spilken AZ, et al. Psychosom Med 33:251-64, May-Jun 71
Somatic effects of predictable and unpredictable shock. Weiss JM. Psychosom Med 32:397-408, Jul-Aug 70
Relation between annoyance reactions and attitude to source of annoyance. Jonsson E, et al. Public Health Rep 85:1070-4, Dec 70
Effects of conflict and stress on alcohol intake in rats. Von Wright JM, et al. Q J Stud Alcohol 32:420-33, Jun 71
Stress disorders of modern life. Gibson AC. R Soc Health J 91:172-4 passim, Jul-Aug 71
Stress reactivity in tennis players. Krahenbuhl GS. Res Q Am Assoc Health Phys Educ 42:42-6, Mar 71
Activity change as the cause of apparent aversiveness during prolonged hypothalamic stimulation. Hu JW, et al. Science 172:84-6, 2 Apr 71
Psychological adaptation and development under acculturative stress: toward a general model. Born DO. Soc Sci Med 3:529-47, Apr 70
Psycho-social transitions: a field for study. Parkes CM. Soc Sci Med 5:101-15, Apr 71
Emotional aspects of disability. White RK, et al. South Med J 63:1304-8, Nov 70
Rigor mortis of the heart as an indicator of pre-slaughter stress. Thornton H. Vet Rec 89:41-2, 10 Jul 71
Society, stress, and disease. WHO Chron 25:168-78, Apr 71
[Importance of stereophonic hearing in normal and poor hearing] Ettema JH, et al. Ned Tijdschr Geneeskd 115:748-51, 24 Apr 71 (Dut)
[Survey on the nutrition and life style of patients with biliary lithiasis] Sarles H, et al. Bull Inst Nati Sante Rech Med 24:517-36, May-Jun 69 (Fre)
[Influence of an isolation stress on the development of transplanted ascites tumors in mice. Role of the adrenals] Dechambre RP, et al. C R Acad Sci [D] (Paris) 272:2720-2, 24 May 71 (Fre)
[Incorporation of radiosulfate in the gastrointestinal wall of normal and restrained guinea pigs] André C, et al. C R Soc Biol (Paris) 164:1494-7, 1970 (Fre)
[Effect of restraint and phenylbutazone on jejunal mucosa implanted in the rat stomach] Lambert R, et al. C R Soc Biol (Paris) 164:1497-500, 1970 (Fre)
[Effect of habituation on the sensitivity of the rat to restraint ulcer] Martin MS, et al. C R Soc Biol (Paris) 164:826-8, 1970 (Fre)
[Diabetes and injury] Schrub JC, et al. Cah Med 12:285-94, Mar 71 (Fre)
[Repercussion of a prostigmine treatment upon acquired immunity in rats with or without chronic psychological stress] Soulairac A, et al. J Physiol (Paris) 1:Suppl 1:175, 1969 (Fre)
[Role of prostigmine in thirst behavior and alcohol appetite of the Wistar rat with and without chronic psychological stress] Soulairac A, et al. J Physiol (Paris) 1:Suppl 1:176, 1969 (Fre)
[Urinary excretion of catecholamines in rats as a function of the olfactory environment] Vernet-Maury E. J Physiol (Paris) 62:Suppl 3:461, 1970 (Fre)
[Traumatic Basedow's disease] L'Epée P, et al. Med Leg Domm Corpor (Paris) 3:102-4, Jan-Mar 70 (Fre)
[Possibility of producing experimental neurotic hypertonia in dogs] Grüner M, et al. Acta Biol Med Ger 24:593-602, 1970 (Ger)
[Psychic and somatic injury to the laying hen due to caging] André V. Dtsch Tieraerztl Wochenschr 74:460-2, 15 Sep 67 (Ger)
[Heart rate and mental stretch in gliding] Clasing D, et al. Med Welt 19:808-11, 8 May 71 (Ger)
[The role of the adrenergic beta-receptors in emotional tachycardia; radiotelemetric studies on ski jumpers] Blatter K, et al. Schweiz Z Sportmed 17:131-49, 1969 (Ger)
[The effect of unpleasant emotional experiences on perception, learning and thinking] Zöhrer I. Z Exp Angew Psychol 17:670-86, 1970 (Ger)
[Effect of various emotional traumas applied before pregnancy on the subsequent pregnancy and postnatal development of the offspring in laboratory mice. I. The development of 3 generations following trauma and their relationship to the lactating ability of the mother] Bloch S. Z Psychosom Med Psychoanal 16:360-6, Oct-Dec 70 (Ger)
[Effect of various emotional traumas applied before pregnancy on the subsequent pregnancy and the postnatal development of the offspring in the laboratory mouse. II. Experiments on the habituation to exogenous noxious agents] Bloch S. Z Psychosom Med Psychoanal 16:367-73, Oct-Dec 70 (Ger)
[Psychotherapy and intolerable life situations] Hedri A. Z Psychother Med Psychol 21:121-3, May 71 (Ger)
[Studies on the social and psychological problems in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

intrauterine fetal death before parturition] Nöschel H, et al. Zentralbl Gynaekol 93:6-9, 2 Jan 71 (Ger)
[Confinement in the starting-box as a frustration factor] Senini A.
Arch Psicol Neurol Psichiatr 31:450-6, Sep-Oct 70 (Ita)
[Influence of a beta-blocking drug on the effects of psychologic stress. II. Urinary excretion of catecholamines] Mathis I, et al.
Boll Soc Ital Biol Sper 46:410-3, 30 Apr 70 (Ita)
[Influence of a beta-blocking drug on the effects of a psychologic stress. I. Arterial pressure, heart rate, E.C.G] Mathis I, et al.
Boll Soc Ital Biol Sper 46:405-10, 30 Apr 70 (Ita)
[The reactivity of the cathepsins of the nervous tissue and their integration in the cellular mechanisms of adaptation to stress] Gabrielescu E, et al.
Ann Histochim 16:119-28, Apr-Jun 71 (Jap)
[The role of stress in oral diseases] Wąsik A.
Czas Stomatol 24:901-4, Aug 71 (Pol)
[Stress during labor. Observations on a new tranquilizer] Chamma Neto M, et al.
Hospital (Rio de J) 78:511-6, Aug 70 (Por)
[Scientific organization of the process of instruction of medical students] Khamitov KhS, et al.
Zdravookhr Ross Fed 14:35-40, Sep 70 (Rus)
[Restoration of ribonucleic acids in the rat brain under emotional stress] Bozhko GKh.
Ukr Biokhim Zh 42:590-5, 1970 (Ukr)
[Mental stress and dental caries] Sutton PR.
Stomatologia (Athenai) 28:173-87, May-Jun 71 (Mul)
[Reaction of chickens to gradual extension of stress time] Nvota J, et al.
Biologia (Bratisl) 25:797-803, 1970 (Slo)
[Premenstrual dysphonia] Keramitčievski S, et al.
God Zb Med Fak Skopje 16:315-20, 1970 (Cro)

BLOOD

Addressing a medical meeting: effect on heart rate, electrocardiogram, plasma catecholamines, free fatty acids, and triglycerides. Somerville W, et al.
Br Heart J 33:606, Jul 71
Endogenous hyperlipidaemia induced by emotional stress of racing driving. Taggart P, et al.
Lancet 1:263-6, 20 Feb 71
[Results of a comparative cross section study of healthy persons and patients with circulatory disorders in longitudinal epidemiological studies] Tägert J.
Z Kreislaufforsch 59:744-56, Aug 70 (Ger)
[Content of leukocytes and characteristics of their phagocytic activity in normal pregnancy and during inhibition of the gestation dominant] Nemets MG, et al. Biull Eksp Biol Med 71:35-7, Apr 71 (Rus)

COMPLICATIONS

The stress ulcer syndrome. A clinical and pathologic review. Crawford FA, et al.
Am J Surg 121:644-9, Jun 71
Psychiatric consultation in a coronary care unit. Cassem NH, et al. Ann Intern Med 75:9-14, Jul 71
Precipitation of congestive heart failure: social and emotional factors. Perlman LV, et al.
Ann Intern Med 75:1-7, Jul 71
Psoriasis, stress, and strain. Baughman R, et al.
Arch Dermatol 103:599-605, Jun 71
Conditions of work: Psychological and endocrine stress reactions. Fröberg J, et al.
Arch Environ Health 21:789-97, Dec 70
The precipitants of amphetamine addiction. Bell DS.
Br J Psychiatry 119:171-7, Aug 71
The reporting of recent stress in the lives of psychiatric patients. Hudgens HW.
Br J Psychiatry 119:113-4, Jul 71
The reporting of recent stress in the lives of psychiatric patients. A study of 80 hspitalized patients and 103 informants reporting the presence or absence of specified types of stress. Hudgens RW, et al.
Br J Psychiatry 117:635-43, Dec 70
Emotional stress in hypertension.
Br Med J 3:263-4, 31 Jul 71
Is the poisoning accidental? McIntire MS, et al.
Clin Pediatr (Phila) 10:414-7, Jul 71
Emotional stress, physical activity and ischemic heart disease. Naughton J, et al. DM 1-34, Jul 70 (94 ref.)
Emotional illness and the working environment. Aldridge F. Ergonomics 13:613-21, Sep 70
Personality pattern and emotional stress in the genesis of gastric ulcer. Alp MH, et al. Gut 11:773-7, Sep 70
The modifiability of infantile shock traumatization effects by contiguous drug administrations. Gauron EF, et al. J Genet Psychol 117:51-6, Sep 70
Effect of emotional stress on spasticity and rigidity. Boman K. J Psychosom Res 15:107-12, Mar 71
Stress and coronary heart disease. Eastwood MR, et al.
J Psychosom Res 15:289-92, Sep 71
Stress, immunoglobulin levels and early polyarthritis. Hendrie HC, et al. J Psychosom Res 15:337-42, Sep 71
Psychosocial factors and myocardial infarction. II. An outpatient study in Sweden. Rahe RH, et al.
J Psychosom Res 15:33-9, Mar 71
Psychosocial factors and sudden cardiac death: a pilot study. Rahe RH, et al.
J Psychosom Res 15:19-24, Mar 71
Psychosocial factors and myocardial infarction. I. An inpatient study in Sweden. Theorell T, et al.
J Psychosom Res 15:25-31, Mar 71
Patterns of emotional stress in myocardial infarction patients. Periodic assessments of psychological state at discharge and during convalescence. Irvin CW Jr, et al. J SC Med Assoc 67:303-8, Jul 71
Trauma workshop report: the gastrointestinal tract in trauma. Gurd FN, et al. J Trauma 10:1089-91, Nov 70
The survivor syndrome: theoretical and therapeutic dilemmas. Straker M. Laval Med 42:37-41, 1 Jan 71
The syndrome of barbiturate dependence. Whitlock FA. Med J Aust 2:391-6, 29 Aug 70
Social stress and coronary heart disease in Japan. A hypothesis. Matsumoto YS.
Milbank Mem Fund Q 48:9-36, Jan 70
Foveomacular retinitis: the relationship to stress. Ford CV. Milit Med 135:756-9, Sep 70
Psychological effects of prisoner-of-war experiences. Lumry GK. Minn Med 53:915-8, Aug 70 (12 ref.)
Psychologic and social precursors of coronary disease (first of two parts). Jenkins CD.
N Engl J Med 284:244-55, 4 Feb 71 (96 ref.)
Psychologic and social precursors of coronary disease. (II). Jenkins CD.
N Engl J Med 284:307-17, 11 Feb 71 (66 ref.)
Psychogenic aspects of periodontal disease. Case history. Regenbaum G.
NY State Dent J 36:609-12, Dec 70
Stress, acne and skin surface free fatty acids. Kraus SJ.
Psychosom Med 32:503-8, Sep-Oct 70
Thyroid "hot spots": their relationship to life stress. Voth HM, et al. Psychosom Med 32:561-8, Nov-Dec 70
The effect of adrenalectomy and endocrine substances on restraint-induced acute gastric ulceration. Ozdemir IA, et al. Surg Forum 21:304-5, 1970
[Effects of audio-visual stimulations on the incidence of restraint ulcer in Wistar rats] Martin S, et al.
C R Soc Biol (Paris) 164:1748-50, 1970 (Fre)
[Physiological tests of the importance of the emotions in asthma] Kourilsky R, et al.
J Fr Med Chir Thorac 25:245-51, Apr 71 (Fre)
[Experimental bases of psychosomatic medicine. X. Hematology] Hubin P.
Rev Med Liege 23:706-11, 15 Nov 68 (Fre)
[Homogeneous reaction of the hematopoietic system to heterogeneous stimuli] Hauss WH, et al.
Med Welt 16:627-31, 17 Apr 71 (Ger)
[The possibility of psychopathologic complications in high-caliber sports] Schmidt P.
Schweiz Z Sportmed 19:203-7, 1971 (Ger)
[Central-nervous mechanisms of emotional cardiovascular stress] Baust W.
Verh Dtsch Ges Kreislaufforsch 32:37-46, 1966 (32 ref.) (Ger)
[Etiopathogenetic and therapeutic aspects of the arterial (essential) hypertonic disease] Graff C, et al.
Z Gesamte Inn Med 24:Suppl:21-4, 1 Jan 69 (Ger)
[The hyperphagic reaction type] March H.
Z Psychosom Med Psychoanal 15:272-6, Oct-Dec 69 (Ger)
[Changes in oxygen consumption and the "emotional" state induced in the guinea pig by negative conditioned stimuli and chlorpromazine] Molinengo L, et al.
Boll Soc Ital Biol Sper 45:1421-4, 30 Nov 69 (Ita)
[The stress ulcer] Valdoni P.
Minerva Med 62:230-6, 20 Jan 71 (Ita)
[Behavior of serotonin metabolism in helicopter pilots] Paolucci G, et al.
Riv Med Aeronaut Spaz 34:83-92, Jan-Jun 71 (Ita)
[Psychosomatic aspect of gastric and duodenal ulcer] Namiki M. Saishin Igaku 26:1287-94, Jul 71 (Jap)
[Informational value of psychotrauma] Restian A, et al.
Rev Med Chir Soc Med Nat Iasi 74:625-30, Jul-Sep 70 (Rum)
[Some problems of pathogenesis in late pregnancy toxemias] Bibileishvili ZA.
Akush Ginekol (Mosk) 46:28-31, Sep 70 (Rus)
[Psychological stress and psychosomatic illness] Eberhard G.
Lakartidningen 68:1501-7, 24 Mar 71 (Swe)
[Problem] Keros P. Lijec Vjesn 92:607-8, 1970 (Cro)

DIAGNOSIS

[The frequency spectrum of speech as an indicator of the degree and character of emotional tension in man] Popov VA, et al.
Zh Vyssh Nerv Deiat 21:104-9, Jan-Feb 71 (Rus)

DRUG THERAPY

Oxazepam before dental treatment.
Br J Clin Pract 24:323-6, Aug 70
Relieving stress with drugs. Brand ED, et al.
Science 170:928-30, 27 Nov 70

ENZYMOLOGY

Influence of examination stress in students on the activity of certain enzymes. Vordanova L, et al.
Nauchni Tr Vissh Med Inst Sofiia 49:7-12, 1970

HISTORY

Stress and behavior in the founding Pilgrims. Carlson ET, et al. Bull NY Acad Med 47:147-60, Feb 71

IMMUNOLOGY

[Protein composition and immunogenic properties of dog milk in experimental pregnancy disorders] Ermolov VI. Biull Eksp Biol Med 71:16-8, Jan 71 (Rus)

METABOLISM

The alterations of protein metabolism of the brain cortex induced by anticipation stress and ACTH. Jakoubek B, et al. Life Sci [I] 9:1169-79, 15 Oct 70
Catecholamine metabolism, depression and stress. Maas JW, et al. Nature (Lond) 230:330-1, 2 Apr 71
The stress of aircraft carrier landings. II. 3-methoxy-4-hydroxyphenylglycol excretion in naval aviators. Rubin RT, et al.
Psychosom Med 32:589-97, Nov-Dec 70
[35S-methionine incorporation by liver proteins in rats under stress by immobilization] Szantay I, et al.
Agressologie 11:427-30, 1970 (Fre)
[RNA content of the spinal cord motor neurons during hypokinesis] Gorbunova AV.
Tsitologiia 13:83-7, Jan 71 (Rus)
[Significance of uropepsin determination in pilots] Lozinskiĭ VS. Voen Med Zh 10:65-6, Oct 70 (Rus)

PATHOLOGY

[Mitotic activity and size of nuclei in the zona fasciculata of the adrenal cortex under repeated stimulation of rats with electric current] Trofimova GA, et al. Tsitologiia 13:112-4, Jan 71 (Rus)

PHYSIOPATHOLOGY

Thermal bradycardia in the mildly stressed rat. Spielman RS, et al. Am J Physiol 221:948-51, Sep 71
Haemodynamics and emotional stress. Birkenhäger WH. Bibl Psychiatr 144:34-7, 1970
Haemodynamics and emotional stress. Brod J.
Bibl Psychiatr 144:13-33, 1970
Emotional stress and sympatho-adrenomedullary and related physiological reactions with particular reference to cardiovascular pathology. Levi L.
Bibl Psychiatr 144:38-51, 1970
Moderate acousti stimuli: the interrelation of subjective importance and certain physiological changes. Atherley GR, et al.
Ergonomics 13:536-45, Sep 70
Personality, stress, and venous flow rates. Silverman AJ, et al. J Psychosom Res 15:315-22, Sep 71
Regional blood-flow changes during 72-hour avoidance schedules in the monkey. Forsyth RP.
Science 173:546-8, 6 Aug 71
[Effects of emotional components in aggression due to ether in female rats] Beraud G, et al.
C R Soc Biol (Paris) 164:1644-50, 1970 (Fre)
[Results of the study of choleresis in rats according to whether the subject is anesthetized, constrained, or in a free situation] Labrid C, et al.
C R Soc Biol (Paris) 164:1708-11, 1970 (Fre)
[Stress--theory and practice] Solem JH.
Tidsskr Nor Laegeforen 90:1996-2000, 1 Nov 70 (Nor)
[Multichannel radioelectroencephalographic data in human neuroemotional stress] Gofman SS, et al.
Biull Eksp Biol Med 70:19-22, Nov 70 (Rus)
[Changes in cardiac activity under great emotional stress (according to dynamic radiotelemetry findings)] Pastukhina RI, et al.
Biull Eksp Biol Med 66:14-6, Aug 68 (Rus)
[Functional significance of the sympathetic vasodilator effect in skeletal muscle] Berdina NA, et al.
Dokl Akad Nauk SSSR 197:1218-21, 1971 (Rus)
[Work capacity and blood supply of skeletal muscles during emotional stress caused by mental calculations] Berdina NA, et al.
Fiziol Zh SSSR 57:546-55, Apr 71 (Rus)
[Change in the functional condition of the auditory analyzer in relation to the duration of flight and mission to be accomplished] Khilov KI, et al.
Voen Med Zh 1:58-61, Jan 71 (Rus)

PREVENTION & CONTROL

[Use of trioxazine for the prevention of extreme emotional stress] Kuz'mich NS, et al.
Voen Med Zh 10:36-9, Oct 70 (Rus)

THERAPY

The use of hypnotic techniques without hypnosis per se for temporary stress. Bartlett EE.
Am J Clin Hypn 13:273-8, Apr 71
Susanville: a community helps itself in mobilization of community resources for self-help in mental health. Beier EG, et al.
J Consult Clin Psychol 36:142-50, Feb 71
Sports medicine. XII. The athlete's "nerves". Ryde D.
J R Coll Gen Pract 21:161-3, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

URINE

Dexamethasone suppression in basic trainees under stress. Blumenfield M, et al.
Arch Gen Psychiatry 23:299-304, Oct 70
Blood pressure and catecholamine responses to 'stress' in normotensive and hypertensive subjects. Lorimer AR, et al. Cardiovasc Res 5:169-73, Apr 71
[Ketonuria in children after adenotonsillectomy (examination of 150 cases)] Cancemi G.
Boll Mal Orecch Gola Naso 87:307-18, 1969 (Ita)

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The isolation and maintenance of a monospecific infection of Strongylus vulgaris in the horse. Duncan JL. Vet Rec 88:79-80, 16 Jan 71

STRONGYLOIDES (B1)

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NZ Vet J 19:32-7, Mar 71
Equine infectious anaemia virus in strongyles. Oshima K, et al. Res Vet Sci 11:405-6, Jul 70
[Infestation trials of the spotted dormouse with Strongyloides ratti (phasmidian neuatodes)] Roman E, et al.
Ann Parasitol Hum Comp 45:237-42, Mar-Apr 70 (Fre)
[Studies of the definitive host of Angiostrongylus costaricensis. (Morera and Céspedes, 1971)] Morera P.
Bol Chil Parasitol 25:133-4, Jul-Dec 70 (Spa)
[Studies on the intermediate host of Angiostrongylus costaricensis (Morera and Céspedes, 1971)] Morera P, et al. Bol Chil Parasitol 25:135, Jul-Dec 70 (Spa)

ANATOMY & HISTOLOGY

Studies on strongyloidiasis of the peacock. II. Strongyloides pavonis n. sp. (Nematoda: strongyloididae) from the green peafowl Pavo muticus Linnaeus. Sakamoto T, et al.
Jap J Vet Res 18:163-71, Dec 70

CYTOLOGY

Strongyloides myopotomi: fine structure of the body wall and alimentary tract of the adult and third-stage larva. Colley FC. Exp Parasitol 28:420-34, Dec 70

DRUG EFFECTS

Attenuation of infective Nippostrongylus brasiliensis larvae with triethylene melamine and the production of immunity in rats. Cornwell RL.
J Comp Pathol 81:105-10, Jan 71

ENZYMOLOGY

The effect of immunity upon some enzymes of the parasitic nematode, Nippostrongylus brasiliensis. Edwards AJ, et al. Parasitology 62:339-47, Apr 71
A study of acetylcholinesterase throughout the life cycle of Nippostrongylus brasiliensis. Sanderson BE, et al. Parasitology 62:367-73, Jun 71

GROWTH & DEVELOPMENT

Gametogenesis and chromosomal complement in Strongyloides ratti (Nematoda: Rhabdiasoidea). Bolla RI, et al. J Parasitol 54:849-55, Oct 68
Changes in the phenotype of the rat nematode, Nippostrongylus brasiliensis, after one and 150 nematode generations in hamsters. Lichtenfels JR.
J Parasitol 57:517-25, Jun 71
Studies on the distribution and site location of Nippostrongylus brasiliensis within the small intestine of laboratory rats. Alphey TJ.
Parasitology 61:449-60, Dec 70
The kinetics of repeated low-level infections of Nippostrongylus brasiliensis in the laboratory rat. Jenkins DC, et al. Parasitology 62:457-65, Jun 71
Experimental concurrent infections with Strongyloides ratti and S. venezuelensis in laboratory rats. Wertheim G. Parasitology 61:389-95, Dec 70
Growth and development of Strongyloides venezuelensis Brumpt, 1934 in the albino rat. Wertheim G. Parasitology 61:381-8, Dec 70

ISOLATION & PURIFICATION

Rapid concentration of strongyle eggs from equine feces for in vitro studies. Bello TR, et al.
Am J Vet Res 31:2285-8, Dec 70
Vesicocolic fistula: Strongyloides stercoralis in the urine (a case report). Downs RA, et al.
J Arkansas Med Soc 67:193-5, Nov 70
Strongyloides stercoralis autoinfection. Stern MS, et al.
JAMA 215:297-8, 11 Jan 71
The isolation and maintenance of a monospecific infection of Strongylus vulgaris in the horse. Duncan JL. Vet Rec 88:79-80, 16 Jan 71

METABOLISM

The in vitro effect of immune serum upon the phosphate metabolism and reestablishment of adult Nippostrongylus brasiliensis. Neilson JT.
J Parasitol 57:818-22, Aug 71

PATHOGENICITY

[The pathogenicity of Amidostomum infection in the goose] Enigk K, et al.
Zentralbl Veterinaermed [B] 16:784-98, Dec 69 (Ger)

STRONGYLOIDIASIS (C1)

Human strongyloidiasis in Iran with a report of a case of massive infection. Ghadirian E, et al.
Bull Soc Pathol Exot 63:590-2, Sep-Oct 70
Studies on strongyloidiasis of the peacock. II. Strongyloides pavonis n. sp. (Nematoda: strongyloididae) from the green peafowl Pavo muticus Linnaeus. Sakamoto T, et al.
Jap J Vet Res 18:163-71, Dec 70
Strongyloides stercoralis infection in a serviceman in South East Asia. Jamieson MG.
NZ Med J 72:396-8, Dec 70
[Strongyloidiasis: clinical and therapeutic aspects] Janssens PG.
Acta Gastroenterol Belg 34:301-21, Mar 71 (Fre)
[Anguilluliosis. Clinical, diagnostic and therapeutic aspects. 300 cases] Lapierre J, et al.
Presse Med 78:1983-6, 28 Oct 70 (Fre)
[Fatal strongyloidiasis in Brazil: a further case] Agostini A. Hospital (Rio de J) 78:929-33, Sep 70 (Por)
[Strongyloidiasis in children] Andreichin MA, et al.
Pediatr Akush Ginekol 6:29-30, 1970 (Ukr)

COMPLICATIONS

Case of ocular angiostrongyliasis associated with eosinophilic meningitis. Kanchanaranya C, et al.
Am J Ophthalmol 71:931-4, Apr 71
Eosinophilic meningitis in Thailand. Epidemiologic studies of 484 typical cases and the etiologic role of Angiostrongylus cantonensis. Punyagupta S, et al.
Am J Trop Med Hyg 19:950-8, Nov 70
Vesicocolic fistula: Strongyloides stercoralis in the urine (a case report). Downs RA, et al.
J Arkansas Med Soc 67:193-5, Nov 70
Strongyloidiasis associated with ulcerative colitis. Rubenstein M. J Med Soc NJ 67:799-800, Dec 70
Strongyloides stercoralis infection complicating granulocytic leukemia. Buss DH.
NC Med J 32:269-74, Jul 71
Protein-calorie malnutrition syndrome in adults. Four case reports. Lewis EA.
Trop Geogr Med 22:371-6, Sep 70
Strongyloidiasis causing fatal peritonitis. Olurin EO.
West Afr Med J 19:102-4, Jun 70
[Whipple's disease in a patient with strongyloidosis (anguilluliosis). Ultrastructural and histo-enzymological study of the jejunal mucosa] Monges H, et al.
Arch Fr Mal App Dig 59:525-38, Sep 70 (Fre)

DIAGNOSIS

Clinical significance of strongyloides in African children. Bwibo NO. J Trop Med Hyg 74:79-81, Apr 71
Angiostrongyiosis (eosinophilic meningitis).
Gutteridge BH. Med J Aust 1:931-2, 24 Apr 71
[Various clinical and hematological manifestations observed in an area of strongyloidiasis in the temperate zone] Dancesco P, et al.
Bull Soc Pathol Exot 63:497-506, Jun-Aug 70 (Fre)
[The latex test in the serologic diagnosis of murine angiostrongyiosis] Mishra GS, et al.
Bull Soc Pathol Exot 63:709-16, Nov-Dec 70 (Fre)
[Diagnostic difficulties in a case of strongyloidiasis] Kossmann S, et al. Wiad Lek 24:1085-7, 1 Jun 71 (Pol)

DRUG THERAPY

Pulmonary strongyloidiasis with lung abscess. Ineffectiveness of thiabendazole therapy. Seabury JH, et al. Am J Trop Med Hyg 20:209-11, Mar 71
Observations on the treatment of strongyloidiasis with thiabendazole in New York City. Nauenberg W, et al.
Mt Sinai J Med NY 37:607-11, Sep-Oct 70
[Treatment of anguilluliasis by thiabendazole (apropos of 192 cases)] Thomas J, et al.
Mars Med 106:1033-40, 1969 (Fre)
[Strongyloidiasis] Pietrushka D, et al.
Harefuah 79:26-7, 1 Jul 70 (Heb)
[Effectiveness of dithiazanine therapy in patients with strongyloidiasis] Podorozhnyĭ PG, et al.
Ter Arkh 42:110-2, Jun 70 (Rus)

ETIOLOGY

Fatal strongyloidiasis in Hodgkin's disease after immunosuppressive therapy. Yim Y, et al.
J Trop Med Hyg 73:245-9, Oct 70
Strongyloides stercoralis autoinfection. Stern MS, et al.
JAMA 215:297-8, 11 Jan 71
Strongyloidiasis: fatal complication of renal transplantation. Fagundas LA, et al.
Lancet 2:439-40, 21 Aug 71

IMMUNOLOGY

Experiments on adoptive transfer of immunological tolerance and of immunity to Nippostrongylus brasiliensis in rats. Kassai T, et al.
Acta Vet Acad Sci Hung 20:207-17, 1970
Diminished immunological responsiveness to helminth parasites. The effect of repeated reinfection of rats from an early age with Nippostrongylus brasiliensis. Jarrett EE. Clin Exp Immunol 8:141-50, Jan 71
5-hydroxytryptamine in intestinal immunological reactions. Its relationship to mast cell activity and worm expulsion in rats infected with Nippostrongylus brasiliensis. Murray M, et al.
Int Arch Allergy Appl Immunol 40:236-47, 1971
Attenuation of infective Nippostrongylus brasiliensis larvae with triethylene melamine and the production of immunity in rats. Cornwell RL.
J Comp Pathol 81:105-10, Jan 71
Passive transfer of immunity to N. brasiliensis (Travassos, 1914) from mother rats to offspring. Greenberg Z. J Parasitol 57:685-6, Jun 71
Immune reactions in mucous membranes. 3. The discharge of intestinal mast cells during helminth expulsion in the rat. Miller HR.
Lab Invest 24:343-54, May 71
Immune reactions in mucous membranes. II. The differentiation of intestinal mast cells during helminth expulsion in the rat. Miller HR.
Lab Invest 24:339-47, May 71
The effect of immunity upon some enzymes of the parasitic nematode, Nippostrongylus brasiliensis. Edwards AJ, et al. Parasitology 62:339-47, Apr 71
[Initial results in Strongyloides stercoralis infestation of mice treated with cyclophosphamide] Mougeot G, et al.
Ann Parasitol Hum Comp 45:591-6, Sep-Oct 70 (Fre)
[Immunodiagnosis of strongyloidiasis (laboratory report)] Solomon P, et al.
Arch Roum Pathol Exp Microbiol 28:45-8, Mar 69 (Fre)

METABOLISM

[The effect of Amidostomum infestation on the appearance of free fatty acids in the adipose tissue of the goose] Enigk K, et al.
Zentralbl Veterinaermed [B] 17:345-52, Mar 70 (Ger)

OCCURRENCE

[Role of animals in the etiology and epidemiology of new zoonoses: angiostrongyiosis] Guilhon J.
Bull Acad Natl Med (Paris) 155:223-32, 16 Mar 71 (Fre)
[Canine angiostrongyiosis and its effects on human health] Guilhon J.
Bull Soc Pathol Exot 62:411-21, 1969 (Fre)
[The occurrence of strongyloidosis in Aĭdemir, Silistrenskiĭ District] Stepanov G.
Med Parazitol (Mosk) 39:538-40, Sep-Oct 70 (Rus)

PHYSIOPATHOLOGY

Small-intestinal cell turnover in patients with parasitic infections. Da Costa LR. Br Med J 3:281-3, 31 Jul 71
Studies on the distribution and site location of Nippostrongylus brasiliensis within the small intestine of laboratory rats. Alphey TJ.
Parasitology 61:449-60, Dec 70

RADIOGRAPHY

The radiological diagnosis of Strongyloides stercoralis enteritis. Louisy CL, et al. Radiology 98:535-41, Mar 71

VETERINARY

Neurologic disease in reindeer (Rangifer tarandus tarandus) introduced into Ontario. Anderson RC.
Can J Zool 49:159-66, Feb 71
Immunocytochemical localization of the ovine immunoglobulins IgA, IgG1, IgG1-A and IgG2: effect of gastro-intestinal parasitism in the sheep. Curtain CC, et al. Clin Exp Immunol 8:151-62, Jan 71
Internal parasites in pigs in southern Georgia: acquisition by suckling pigs raised on temporary and permanent pastures and grazed on permanent pasture after weaning. Andrews JS, et al.
J Parasitol 56:1210-7, Dec 70
Changes in the phenotype of the rat nematode, Nippostrongylus brasiliensis, after one and 150

nematode generations in hamsters. Lichtenfels JR. J Parasitol 57:517-25, Jun 71

Within-flock variations in strongyle worm infections in sheep: the need for adequate diagnostic samples. Brunsdon RV. NZ Vet J 18:185-8, Sep 70

The post-parturient rise: a comparison of the pattern and relative generic composition of strongyle egg output from lactating and non-lactating ewes. Brunsdon RV, et al. NZ Vet J 19:19-25, Jan-Feb 71

The post-parturient rise: a comparison of the pattern and relative generic composition of faecal strongyle egg counts in ewes and wethers. Brunsdon RV, et al. NZ Vet J 19:32-7, Mar 71

The kinetics of repeated low-level infections of Nippostrongylus brasiliensis in the laboratory rat. Jenkins DC, et al. Parasitology 62:457-65, Jun 71

Experimental concurrent infections with Strongyloides ratti and S. venezuelensis in laboratory rats. Wertheim G. Parasitology 61:389-95, Dec 70

Growth and development of Strongyloides venezuelensis Brumpt, 1934 in the albino rat. Wertheim G. Parasitology 61:381-8, Dec 70

The pathogenesis route of migration, and development of Crenosoma vulpis in the dog. Stockdale PH, et al. Pathol Vet 7:28-42, 1970

The efficacy of cambendazole against Ascaris suum and Strongyloides ransomi in swine. Egerton JR, et al. Res Vet Sci 11:590-2, Nov 70

[1st attempts of immunological diagnosis of canine angiostrongylosis due to Angiostrongylus vasorum] Guilhon J, et al. Bull Soc Pathol Exot 64:220-8, Mar-Apr 71 (Fre)

[Study of Angiostrongylus cantonensis (Chen, 1935) in the Upper Volta Republic. II. Results of the 2d survery in the urban zone of Bobo-Dioulasso] Schollhammer G, et al. Bull Soc Pathol Exot 62:731-3, 1969 (Fre)

[The distribution of worm infestation in pigs in Westphalia, with special reference to gastro-intestinal strongylides] Fiedler H. Berl Munch Tieraerztl Wochenschr 83:398-401, 15 Oct 70 (Ger)

[Therapy of strongyloides infection in pigs] Enigk K, et al. Dtsch Tieraerztl Wochenschr 78:419-22, 1 Aug 71 (Ger)

[The pathogenicity of Amidostomum infection in the goose] Enigk K, et al. Zentralbl Veterinaermed [B] 16:784-98, Dec 69 (Ger)

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INFECTIONS, EQUINE (C1, C15)

STRONTIUM (D1)

Effect of divalent metal ions on the reversed-phase chromatographic separation of transfer ribonucleic acids. Kelmers AD. Biochemistry 9:4401-4, 27 Oct 70

Requirement of divalent cation for human platelet phosphorylase activity. Karpatkin S, et al. Biochim Biophys Acta 220:22-9, 14 Oct 70

Calcium absorption and the vitamin D 3-dependent calcium-binding protein. II. Recovery from dietary strontium inhibition. Corradino RA, et al. Calcif Tissue Res 7:93-102, 1971

[Some characteristics in the behavior of radioactive and stable strontium in meadow biogeocenoses] Antropova ZG, et al. Radiobiologiia 11:301-4, Mar-Apr 71 (Rus)

ADMINISTRATION & DOSAGE

The effect of a strontiumhloridetoothpaste on root hypersensitivity in a controlled clinical study. Shapiro WB, et al. J Periodontol 41:702-3, Dec 70

[Experimental studies of the anti-caries effect of fluorine-containing reagents of molybdenum and strontium] Gabovich RD, et al. Gig Sanit 35:82-4, Jun 70 (Rus)

ANALYSIS

II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet. Herring LC, et al. Arch Environ Health 22:251-8, Feb 71

A radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone. Herring LC, et al. Arch Environ Health 22:239-50, Feb 71

[A method of detecting several doubly and triply charged cations in the cells of chick embryos] Kucherova FN. Biull Eksp Biol Med 67:124-5, Jun 69 (Rus)

BLOOD

Protein binding of calcium and strontium in guinea pig maternal and fetal blood plasma. Twardock AR, et al. Am J Obstet Gynecol 110:1006-14, 1 Aug 71

Effect of phosphate on serum strontium. Chaudhuri TK, et al. Proc Soc Exp Biol Med 137:1-4, May 71

DIAGNOSTIC USE

False positives and negatives with 87mSr. Galasko CS. J Nucl Med 12:142-3, Mar 71

Uptake of 85Sr by an osteosarcoma metastatic to lung. Schall GL, et al. J Nucl Med 12:131-3, Mar 71

METABOLISM

Fate of intravenously injected copper, chromium, lanthanum, manganese, strontium and zinc beta-glycerophosphates. Anghileri LJ. Acta Isot (Padova) 7:231-7, 30 Dec 67

Uptake of radioactive strontium (SR-85) in an inflamed mastoid process. Härmä RA, et al. Acta Otolaryngol (Stockh) 71:34-9, Jan 71

Chronic hypomagnesemia with magnesium-dependent hypocalcemia. II. A study of the relationship between magnesium, calcium and strontium. Nordio S, et al. Acta Paediatr Scand 60:449-55, Jul 71

Collagen and mineral accretion rates in bone during vitamin A deficiency. Firschein HE. Am J Physiol 219:1183-7, Nov 70

Comparative strontium and calcium metabolism in lactation. Bianuša M, et al. Arh Hig Rada Toksikol 21:125-7, 1970

Reduction in the absorption of dietary strontium in children by an alginate derivative. Sutton A, et al. Br J Radiol 44:567, Jul 71

The exchangeability of calcium and strontium of bone in vitro. Johnson AR, et al. Calcif Tissue Res 6:103-12, 1970

Factors modifying Ca-Sr discrimination by bone and synthetic "apatitic" minerals in vitro. Storey E, et al. Calcif Tissue Res 6:290-300, 1971

Studies on inhibition of intestinal absorption of radioactive strontium. IX. Relationship between biological activity and electron microscopic appearance of alginic acid components. Tanaka Y, et al. Can Med Assoc J 103:484-6, 12 Sep 70

The effect of hydrochlorothiazide on calcium and strontium transport in intestine and kidney. Donath A, et al. Helv Paediatr Acta 25:293-300, Jul 70

Effect of lactose on the absorption of alkaline earth metals and intestinal lactase activity. Fournier P, et al. Isr J Med Sci 7:389-91, Mar 71

Mineral metabolism of diaphyseal bone in vitro. Nijweide PJ. Isr J Med Sci 7:430-1, Mar 71

Effect of exercise on mineral and organic bone turnover in swine. Anderson JJ, et al. J Appl Physiol 30:810-3, Jun 71

The kinetics of influx of calcium and strontium into rat intestine in vitro. Papworth DG, et al. J Physiol (Lond) 210:999-1020, Nov 70

Excretion and retention of stable strontium in children. Sutton A, et al. Nature (Lond) 230:396-7, 9 Apr 71

Effect of estrogen on bone mineral turnover in mature female rats as measured by strontium-85. Anderson JJ, et al. Proc Soc Exp Biol Med 135:883-6, Dec 70

[Effect of the substitution of Ca++ with Sr++ on the chronotropic response of the isolated mammal heart to vagal stimulation] Bettini V, et al. Boll Soc Ital Biol Sper 46:545-9, 15 Jun 70 (Ita)

[Oscillatory nature of H+ yield from mitochondria during strontium accumulation] Tashmukhamedov BA, et al. Biofizika 15:443-6, May-Jun 70 (Rus)

[Effect of alginates from Adriatic Sea algae on the transport of strontium through the duodenum in rats] Gruden N, et al. Arh Hig Rada Toksikol 21:137-41, 1970 (Cro)

PHARMACODYNAMICS

Activation of transmitter release by strontium and calcium ions at the neuromuscular junction. Meiri U, et al. J Physiol (Lond) 215:709-26, Jul 71

[Effects of H+, Li+ and Sr ++ ions on the transmembrane currents of frog atrial fibers] Chesnais JM, et al. C R Acad Sci [D] (Paris) 273:204-7, 12 Jul 71 (Fre)

[Effects of strontium ion on the activity of cardiac muscle] Sassine A, et al. J Physiol (Paris) 1:Suppl 1:173, 1969 (Fre)

[Studies on the dental enamel after the use of strontium chloride as odontotropic agent] Svrakoff D, et al. Dtsch Stomatol 21:146-50, Feb 71 (Ger)

[Symposium--pharmacology of the smooth muscle at the cellular evel. 3. Pharmacology of divalent ions on the smooth muscle] Bando T, et al. Folia Pharmacol Jap 68:89, 20 Jul 70 (Jap)

PHYSIOLOGY

Sr action potentials in cardiac Purkynĕ fibres. II. Dependence of the Sr conductance on the external Sr concentration and Sr-Ca antagonism. Vereecke J, et al. Pfluegers Arch 322:73-82, 1971

Sr action potentials in cardiac Purkynĕ fibres. I. Evidence for a regenerative increase in Sr conductance. Vereecke J, et al. Pfluegers Arch 322:60-72, 1971

URINE

Excretion and retention of stable strontium in children. Sutton A, et al. Nature (Lond) 230:396-7, 9 Apr 71

STRONTIUM ISOTOPES (D1)

Genetic effects of 90Sr on various stages of spermatogenesis in mice. Frölén H. Acta Radiol [Ther] (Stockh) 9:596-608, Dec 70

Pathologic effects of different doses of radiostrontium in mice. Development and incidence of leukaemia. Nilsson A. Acta Radiol [Ther] (Stockh) 10:115-28, Feb 71

Pathologic effects of different doses of radiostrontium in mice. Changes in the haematopoietic system. Nilsson A. Acta Radiol [Ther] (Stockh) 9:528-44, Dec 70

Evaluation of strontium 85 bone scans and roentgenograms in 100 patients. Milner TH, et al. Arch Surg 103:371-2, Sep 71

18F and 85Sr scintimetry in the study of primary arthropathies. Muheim G, et al. Br J Radiol 44:290-4, Apr 71

Dose commitment. 1. Barry PJ. Health Phys 20:451, Apr 71

Dosage-depth relationship for a collimated 90 Sr- 90 Y beam. Grossenbacher KA, et al. Health Phys 19:23-6, Jul 70

90Sr in northern Sweden: relationships and annual variations from 1961 to 1969 in lichen, reindeer and man. Persson BR. Health Phys 20:393-402, Apr 71

Dose commitment. 2. Schlien B. Health Phys 20:451-2, Apr 71

90Sr-induced osteosarcomas in radiation chimaeras. Barnes DW, et al. Int J Radiat Biol 18:531-7, 1970

Different behavior of Ca 45 and Sr 89 as tracers in a kinetic model of calcium metabolism. Meyer G, et al. Isr J Med Sci 7:393-6, Mar 71

Strontium-85 bone scanning: review of 49 cases. Williams PM. J Am Osteopath Assoc 70:213-21, Nov 70

Radiolabeling Dermacentor variabilis with strontium-90 and strontium-90 plus carbon-14 mixtures. Sonenshine DE, et al. J Econ Entomol 63:1635-8, Oct 70

Effect of internal exposure by 90Sr and 131-I on respiratory 14CO2 patterns following 14C-glucose administration in mice. Matsuoka O, et al. J Radiat Res (Tokyo) 11:157-65, Sep-Dec 70

Myocardial distribution of blood flow in the dog, studied by the labeled microsphere. I. Method. Sugishita Y, et al. Jap Heart J 12:50-9, Jan 71

The mutagenic effect of 90Sr in barley. Lindgren D, et al. Mutat Res 10:335-51, Oct 70

Studies on bone tissue regeneration in rats after treatment with small doses of strontium-89 prior to and after decorporation. Sivchev S, et al. Nauchni Tr Vissh Med Inst Sofiia 49:1-10, 1970

Effect of estrogen on bone mineral turnover in mature female rats as measured by strontium-85. Anderson JJ, et al. Proc Soc Exp Biol Med 135:883-6, Dec 70

Extracorporeal irradiation of blood by beta-emitting isotopes: principles of dose calculations. Slatkin DN, et al. Radiat Res 44:846-54, Dec 70

Some measurements on radioactivity in Sweden caused by nuclear test explosions. Magi A, et al. Radiol Health Data Rep 11:487-509, Oct 70

Strontium-90 and cesium-137 levels in the diet of children on a school lunch program. Weng PS, et al. Radiol Health Data Rep 12:139-40, Mar 71

[Influence of beta irradiation (Sr 90) on the nervous plexus of the cornea. I. Study by vital staining with methylene blue] Simková M. Cesk Oftalmol 27:212-7, Jul 71 (Cze)

[Influence of beta irradiation (Sr 90) on the corneal nervous plexus. II. Study by silvr impregnation] Vrabec J, et al. Cesk Oftalmol 27:218-22, Jul 71 (Cze)

[Current status of bone radioisotope scanning] Sicard A, et al. Mem Acad Chir (Paris) 94:767-74, 1968 (Fre)

[Dependency of decontamination of chicken eggs externally contaminated with strontium and cesium isotopes on the duration of storage after contamination] Grunewald H. Arch Exp Veterinaermed 23:793-7, 1969 (Ger)

[Applicability of radioactive isotopes for estimating the extent of malignant bone tumors in surgery] Garlicki M, et al. Beitr Orthop Traumatol 16:709-14, Dec 69 (Ger)

[Results of the use of Sr-85 isotopes from the viewpoint of bone pathology] Glauber A, et al. Beitr Orthop Traumatol 17:51-2, Jan 70 (Ger)

[Intensification of excretion of radiostrontium during lactation as a function of the age of the animals] Kolimer WE. Int J Radiat Biol 19:183-6, 1971 (Ger)

[Strontium 90 in human teeth. 3] Keil R, et al. Strahlentherapie 140:442-7, Oct 70 (Ger)

[Experimental examinations on the uptake and distribution of radio-strontium in swine with special regard of the influence of different calcium contents of food and placental transit. 1. Reduction of radiostrontium deposition by calcium. Big animal experiments on pigs] Werner H. Strahlentherapie 139:472-86, Apr 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Contribution of scintigraphy with Sr85 by means of the whole body scanner in the study of skeletal metastases from breast carcinoma] Monetti N, et al. Ann Radiol Diagn (Bologna) 42:495-508, Sep 69 (Ita)

[Whole body scintigraphy. New findings in the study of bone metastases] Abbati A, et al. Minerva Fisiconucl 14:79-87, Apr-Jun 70 (Ita)

[Behavior of an established cell line cultivated in the presence of Sr90] Rossi-Torelli M, et al. Minerva Med 61:4176-80, 26 Sep 70 (Ita)

[Strontium isotopes scanning in the study of skeletal neoplasm metastases] Roncari G, et al. Radiol Med (Torino) 55:943-58, Oct 69 (Ita)

[Use of Strontium-87m in the radioisotope scanning of the bones] Sanguineti M, et al. Radiol Med (Torino) 55:959-69, Oct 69 (Ita)

[Leukemogenic effect of radiostrontium (90Sr) in mice: a comparative study of leukemogenicity of 90Sr and x-rays. I. Incidence and characteristics of 90Sr-induced and x-ray-induced leukemias] Ito T. Acta Haematol Jap 33:415-31, Aug 70 (Jap)

[Leukemogenic effect of radiostrontium (90Sr) in mice: a comparative study of leukemogenicity of 90Sr and x-rays. II. Transmissibility of the induced leukemias, alkaline phosphatase activity and cytogenetic changes of leukemic cells] Ito T. Acta Haematol Jap 33:432-48, Aug 70 (Jap)

[Some aspects of bone dosimetry during strontium-90 administration] Borisova VV. Gig Sanit 35:116-8, Aug 70 (Rus)

[Prussian blue as a preventive measure in chronic intake of Cs137 and Sr90 in the diet] Danetskaia EV, et al. Gig Sanit 35:36-40, Dec 70 (Rus)

[Some characteristics in the behavior of radioactive and stable strontium in meadow biogeocenoses] Antropova ZG, et al. Radiobiologiia 11:301-4, Mar-Apr 71 (Rus)

[Calcium alginate as a protective agent in chronic dietary intake of strontium radioisotopes] Malkin PM, et al. Radiobiologiia 10:586-9, Jul-Aug 70 (Rus)

[Discrimination of strontium 90 in relation to calcium in fresh-water plants] Piskunov LI, et al. Radiobiologiia 10:788-90, Sep-Oct 70 (Rus)

[Effect of incorporated radionuclides strontium-90-yttrium-90 on the chromosomes of Crepis capillaris] Shevchenko VV. Radiobiologiia 10:575-9, Jul-Aug 70 (Rus)

[Presence of radiotoxins in the milk of cows with chronic radiation sickness] Sypin VD, et al. Radiobiologiia 11:230-4, Mar-Apr 71 (Rus)

[Radioisotope diagnosis of skeletal neoplasms] Zubovskif GA, et al. Vestn Rentgenol Radiol 45:21-6, Nov-Dec 70 (Rus)

ADMINISTRATION & DOSAGE

A protective barrier for use with the strontium 90 ophthalmic beta-ray applicator. Ward RH, et al. Trans Am Acad Ophthalmol Otolaryngol 75:656-9, May-Jun 71

ADVERSE EFFECTS

90 Sr induced translocations in mice. Reddi OS. Indian J Med Res 59:574-7, Apr 71

[Bone tumors induced by strontium 90] Graf B, et al. Bull Cancer (Paris) 57:381-96, Jul-Sep 70 (Fre)

[Late reaction following radiation with Sr90-derma plates, followed up for 8 and more years] Bekerus M. Strahlentherapie 140:105-7, Jul 70 (Ger)

ANALYSIS

Determination of the 85Sr plus,plus-Ca plus,plus ratio in bone. Lénárt G, et al. Acta Biochim Biophys Acad Sci Hung 5:295-7, 1970

Relations between 90 Sr levels in the Danish environment. Aarkrog A. Acta Radiol [Diagn] (Stockh) Suppl 254:13-7, 1966

Caesium-137 and strontium-90 in air, precipitation, soil and agricultural products in Norway. Hvinden T. Acta Radiol [Diagn] (Stockh) Suppl 254:29-3, 1966

90 Sr and 137 Cs in surface and drinking water in Finland. Salo A. Acta Radiol [Diagn] (Stockh) Suppl 254:60-3, 1966

The 90 Sr content of human bone and 137 Cs content of human muscle in Finland 1963-1965. Salo K, et al. Acta Radiol [Diagn] (Stockh) Suppl 254:64-5, 1966

A radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone. Herring LC, et al. Arch Environ Health 22:239-50, Feb 71

II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet. Herring LC, et al. Arch Environ Health 22:251-8, Feb 71

Prediction models for strontium-90 and caesium-137 levels in the human food chain. Aarkrog A. Health Phys 20:297-311, Mar 71

Radioactive strontium and barium fallout. Cooper WW, et al. Health Phys 19:625-32, Nov 70

Average milk and mineral intakes (calcium, phosphorus, sodium and potassium) of infants in the United States from 1954 to 1968; implications for estimating annual intakes of radionuclides. Durbin PW. Health Phys 19:187-222, Aug 70

90 Sr in northern Sweden: relationships and annual variations from 1961 to 1969 in lichen, reindeer and man. Persson BR. Health Phys 20:393-402, Apr 71

Fallout 90 Sr in beer. Shiraishi Y, et al. Health Phys 19:443-4, Sep 70

Relation between the deposition of long lived fission products and the total dietary ingestion. Strackee L, et al. Health Phys 18:641-8, Jun 70

Observed and predicted 90Sr and 137Cs levels in milk. Kirchmann R, et al. Nature (Lond) 230:595, 30 Apr 71

Strontium-90 and infant mortality in Canada. Shaw RF, et al. Nature (Lond) 228:667-9, 14 Nov 70

Strontium-90 in human bone, October-December 1969. Radiol Health Data Rep 11:473-5, Sep 70

II. Water. Radiol Health Data Rep 12:209-10, Apr 71

Strontium-90 in human bone, April-June 1970. Radiol Health Data Rep 12:225-8, Apr 71

Fallout in the United States and other areas. July-December 1968 and January-December 1969. Radiol Health Data Rep 12:52-6, Jan 71

Strontium-90 in human bone, January-March 1970. Radiol Health Data Rep 12:67-9, Jan 71

Strontium-90 in the bone of different South African population groups. As D van, et al. S Afr Med J 45:694-6, 26 Jun 71

[Quantitative determination of stable strontium by fluorescence x-ray spectrography in biological samples] Patti F. Bull Soc Chim Fr 11:4145-52, Nov 70 (Fre)

[On the Sr90 content of milk from several zones] Rossi L, et al. Ann Ist Super Sanita 6:316-7, 1970 (Ita)

[Research on osseous deposits of Pb210 (Po210) and of Sr90] Lanzola E, et al. Minerva Fisiconucl 14:132-6, Jul-Sep 70 (Ita)

[Sr90 in the hair as an indicator of its content in human bone tissue] Antonova VA, et al. Gig Sanit 35:43-5, Mar 70 (Rus)

[Distribution of Sr90 and Ce144 in various types of soil] Belova EI, et al. Gig Sanit 35:110-2, Feb 70 (Rus)

[Strontium in the underground sources of water supply of the central European portion of the USSR] Voroshilov IuI. Gig Sanit 35:113-4, Apr 70 (Rus)

[Artificial radioactivity of grey whales] Sokolova NV. Radiobiologiia 9:748-50, Sep-Oct 69 (Rus)

BLOOD

[Fluorescent analysis of blood in early diagnosis of radiation sickness] Kruglov VT. Veterinariia 10:116, Oct 70 (Rus)

DIAGNOSTIC USE

Diagnostic use of 85 strontium in the preoperative evaluation of non-union. Segmüller G, et al. Acta Orthop Scand 41:150-60, 1970

Radioactive strontium (85Sr) in the diagnostics of metastatic tumors in bones. Uzunov I. Folia Med (Plovdiv) 11:327-35, 1969

A practical compromise in bone scanning. Braunstein P, et al. J Nucl Med 12:639-40, Sep 71

Use of radioisotope techniques for determining the weaning period in experimental animals. Babický A, et al. Physiol Bohemoslov 19:457-67, 1970

Strontium 87m in the prognosis of fractures of the tibia. Illingworth GI, et al. Proc R Soc Med 64:633-4, Jun 71

Radiostrontium in the early diagnosis of bone metastases in patients with prostatic carcinoma. Kontturi M, et al. Scand J Urol Nephrol 5:210-4, 1971

[Value of strontium 87m scintigraphy in osseous neoplastic localizations] Spithakis R. J Radiol Electrol Med Nucl 51:680-2, Nov 70 (Fre)

[Radio-strontium and bone metastases: initial clinical impressions] Vigne J, et al. J Radiol Electrol Med Nucl 50:918-9, Dec 69 (Fre)

[Diagnosis of bone metastasis of prostatic carcinoma with strontium 87m and Anger camera] Aberle B, et al. Helv Chir Acta 37:534-7, Aug 70 (Ger)

[Strontium scintigraphy in the diagnosis of femur head necrosis] Morscher E. Z Orthop 108:520-4, Nov 70 (Ger)

[Skeletal scintigraphy with radiostrontium (Sr85) in Von Recklinghausen's disease] Ferlin G, et al. Acta Isot (Padova) 8:113-23, 30 Oct 68 (Ita)

[On the localization of Sr-85 and of radiofibrinogen-I 131 in osseous neoplasms. (Considerations on 2 cases studied with biopsy)] Scoccianti P. Arch Putti Chir Organi Mov 25:96-101, 1970 (Ita)

[Radioisotope diagnosis of bone tumors] Gabuniia RI, et al. Vopr Onkol 17:36-41, 1971 (Rus)

ISOLATION & PURIFICATION

[Determination of S90 and S89 radioisotopes and the effects of fractionation phenomena] Santholzer V. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:197+, 1970 (Cze)

METABOLISM

Retention of strontium-85 in rats contaminated in utero. Jasiński WK, et al. Bull Acad Pol Sci [Biol] 17:85-8, 1969

Cycling of Sr90 in molting crayfish. Dean JM. Comp Biochem Physiol 25:1113-6, Jun 68

Some aspects of dosimetry in miniature swine chronically ingesting 90 Sr. Palmer RF, et al. Health Phys 19:775-83, Dec 70

The effect of different sodium-contents in the diet and of hydrochlorothiazide on calcium and strontium transport and on vitamin D activity. Macagno F, et al. Helv Paediatr Acta 25:620-5, Dec 70

Studies on the metabolism of the nuclides of Ca and Sr in mammals. I. Retention of 85Sr in the rat. Fasella P, et al. Ital J Biochem 15:50-9, Jan-Feb 66

Localization of 87mSr in extra-osseous tumors. Papavasiliou C, et al. J Nucl Med 12:265-8, May 71

Effects of calcitonin on 85 Sr whole body retention in the dog. Anderson JJ, et al. Nature [New Biol] 232:93, 21 Jul 71

[Influence of DTPA therapy on the incorporation of Y 90 originating from the decomposition of Sr 90] Steinbach KH, et al. Strahlentherapie 139:318-22, Mar 70 (Ger)

[The physico-chemical state of Sr90 in the contents of the gastrointestinal tract] Frolova EI, et al. Biull Eksp Biol Med 66:59-61, Aug 68 (Rus)

[Features and quantitative prognostication of the accumulation of Sr90 in trees] Aleksakhin RM, et al. Dokl Akad Nauk SSSR 193:1192-4, 1970 (Rus)

[Experimental substantiation for a preventive diet during internal irradiation with cesium 137 and and strontium 90] Danetskaia EV, et al. Gig Sanit 35:42-6, Jul 70 (Rus)

[Effect of alginic acid on deposition of Sr90 and Ca45 in their prolonged intake into the organism] Dolmatova MIu, et al. Gig Sanit 35:40-3, Mar 70 (Rus)

[Role of the mineral composition of drinking water in the accumulation of Sr90 in bone tissues of the adult population] Sukhomlina AN, et al. Gig Sanit 36:60-3, 1971 (Rus)

[Dependence of coefficients of accumulation of strontium-90 in hydrobionts upon ash content] Kulebakina LG. Radiobiologiia 9:776-7, Sep-Oct 69 (Rus)

[Quantitative characteristics of methods of incorporating Sr90 into molluscs] Nianishkene VB, et al. Radiobiologiia 10:928-30, Nov-Dec 70 (Rus)

[Distribution of tissue doses in red bone marrow] Rasin IM, et al. Radiobiologiia 11:221-3, Mar-Apr 71 (Rus)

[Study of radiotoxins during the chronic administration of strontium-90] Vatulina GG. Radiobiologiia 10:840-3, Nov-Dec 70 (Rus)

[Regularities of Sr90 and Cs137 migration in different links of food chains in zoocoenosis] Il'enko AI. Zh Obshch Biol 31:698-709, Nov-Dec 70 (Rus)

[Sr90 migration in the biological chain and the possibility of reducing its accumulation (observations on agricultural plants and animals)] Korneev NA, et al. Zh Obshch Biol 31:690-7, Nov-Dec 70 (Rus)

[Age, alginates and metabolism of calcium and strontium] Gruden N, et al. Arh Hig Rada Toksikol 21:27-33, 1970 (Cro)

THERAPEUTIC USE

The treatment of mycosis fungoides with beta rays on the 90 Sr unit. Bratherton DG. Br J Radiol 44:238, Mar 71

The dosimetry of 90 SR Ophthalmic applicators. Jones CH, et al. Br J Radiol 44:238, Mar 71

Practical aspects of 90Sr ophthalmic applicator dosimetry. Jones CH, et al. Br J Radiol 44:203-10, Mar 71

[Betatherapy with strontium 90 in the plastic induration of corpora cavernosa] Holan T, et al. J Radiol Electrol Med Nucl 51:783-4, Dec 70 (Fre)

[Use of Strontium 90 isotope in the treatment of pterygium] Zarzycka M, et al. Klin Oczna 41:57-60, 1971 (Pol)

[Treatment of recurrent pterygium] Korets K. Vestn Oftalmol 1:84-5, Jan-Feb 70 (Rus)

[90Sr-surface applicators] Bärring NE, et al. Nord Med 84:1306, 8 Oct 70 (Swe)

STROPHANTHIDIN see under CARDANOLIDES (D2)

STROPHANTHIN (D2, D5)

ADMINISTRATION & DOSAGE

[Duration of strophanthin dependent changes of the ECG] Weidemann R, et al. Munch Med Wochenschr 44:Suppl 44:2, 30 Oct 70 (Ger)

[Therapeutic use of digitalis and substances with analogous action. Lecture IV] Messini M. Clin Ter 56:307-40, 28 Feb 71 (Ita)

ADVERSE EFFECTS

[Arrhythmogenic action of G-strophantin in animals sensitized with electroshocks] Bocian J, et al. Pol Arch Med Wewn 46:663-6, Jun 71 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

[Identification and quantitative analysis of strophanthus glycosides] Kartnig T, et al. J Chromatogr 52:313-20, 21 Oct 70 (Ger)
[Steroid substances in chemico-toxicological investigations. II. Experimental study of their chromatographic detection] Boisio ML, et al. Minerva Medicolog 90:11-5, Jan-Jun 70 (Ita)
[Fluorescence method for the determination of strophanthin K in the solution] Vasilov SI, et al. Farmatsiia 18:61-4, May-Jun 69 (Rus)

ANTAGONISTS & INHIBITORS

[Effect of diprazin and dimedrol on the bathmotropic effect of strophanthin] Gubarev EA, et al. Farmakol Toksikol 33:560-3, Sep-Oct 70 (Rus)
[Mechanism of action of 1,4 bis (3'-piperidinopropine-1'-yl-1') benzol on the heart] Iziumov EG, et al. Farmakol Toksikol 34:160-3, 1971 (Rus)

METABOLISM

[The elimination of alpha-acetyldigoxin and k-strophanthin in renal insufficiency] Brass H, et al. Klin Wochenschr 48:972-8, 15 Aug 70 (Ger)
[Pharmacokinetics of 3H-alpha-acetyldigoxin and 3H-k-strophanthin in terminal kidney insufficiency] Brass H. Verh Dtsch Ges Kreislaufforsch 36:382-94, 1970 (Ger)

PHARMACODYNAMICS

[Effect of strophantin on the change of pulse rate and the extracellular K plus- and Ca plus plus-concentration] Greeff K, et al. Arch Int Pharmacodyn Ther 190:219-28, Apr 71 (Ger)
[Renal oxygen consumption after strophanthin and 6-aminonicotin-amide] Füigraff G, et al. Naunyn Schmiedebergs Arch Pharmakol 266:43-9, 1970 (Ger)
[Renal oxygen consumption after strophanthin and 6-aminonicotinamide] Greven J, et al. Naunyn Schmiedebergs Arch Pharmakol 266:339, 1970 (Ger)
[Membrane resting potential and electrolyte content of frog skeletal muscle in situ and its influencing by g-strophantin] Karzel K. Naunyn Schmiedebergs Arch Pharmakol 270:237-47, 1971 (Ger)
[Effect of cardiac glycosides on the duration of systole. A comparison between proscillaridin and strophanthin] Heierli C, et al. Schweiz Med Wochenschr 101:638-42, 8 May 71 (Ger)
[Effect of caffeine alone and in combination with strophanthin on collateral coronary circulation during acute occlusion of the coronary artery] Sapozhkov AC. Biull Eksp Biol Med 70:64-6, Aug 70 (Rus)
[Mechanism of action of strophanthin K on the production of interferon in cell culture] Zeftlenok NA, et al. Biull Eksp Biol Med 70:66-9, Oct 70 (Rus)

THERAPEUTIC USE

[Strophanthin therapy substituted for digitalis therapy] Kessler K. Med Welt 22:1048, 30 May 70 (Ger)
[Comparative hemodynamic effect of proscillaridin A and strophanthin] Greggia G, et al. Cardiol Prat 1:Suppl:1-7, 1967 (Ita)
[Therapeutic effect of digitalis and drugs with an analogous action. II] Messini M. Clin Ter 56:107-20, 31 Jan 71 (Ita)
[Polygraphic studies before and after strophanthin therapy in subjects undergoing periodic dialytic treatment] Pasqualicchio A, et al. Fracastoro 62:21-5, Jan-Feb 69 (Ita)
[Expediency of using cardiac glycosides in the treatment of acute myocardial infarct] Smolenskii VS, et al. Kardiologiia 10:73-7, Nov 70 (Rus)
[State of several hemodynamic indices in patients with chronic circulatory insufficiency and their changes under the effects of cardiotonic therapy] Mileshin PIa, et al. Ter Arkh 42:48-51, Nov 70 (Rus)

TOXICITY

Strophanthin-G toxicity and sodium ions. Sugimoto J, et al. Jap Circ J 34:725-32, Aug 70
[Mechanism of increased toxicity of k-strophanthin in adrenalectomized rats] Borsch E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:300, 1970 (Ger)

G-STROPHANTHIN see OUABAIN (D2, D5)

STRUMA OVARII (C2)

[Ovarian struma, description of 2 cases] Pavlov K. Akush Ginekol (Sofiia) 9:339-44, 1970 (Bul)
[Case of ovarian struma] Endo C, et al. Sanfujinka Jissai 20:599-600, May 71 (Jap)
[Ovarian struma] Mishastyĭ MIa. Pediatr Akush Ginekol 2:62, 1971 (Ukr)

COMPLICATIONS

Strumal carcinoid of the ovary with masculinization. Dikman SH, et al. Cancer 27:925-30, Apr 71

STRYCHNINE (D2, D6)

Spinal shock and strychnine convulsions in intact and spinal amphibians and reptiles. Chalarch P, et al. Comp Biochem Physiol 38:175-81, 1 Jan 71

ADMINISTRATION & DOSAGE

Iontophoretic studies in Deiters' nucleus of the inhibitory actions of GABA and related amino acids and the interactions of strychnine and picrotoxin. Bruggencate G ten, et al. Brain Res 25:431-48, 5 Feb 71
[Results of treatment of libido disorders in women] Gabele A. Z Allgemeinmed 47:666-8, 30 Apr 71 (Ger)
[Antinarcotic effect of a combination of analeptics in experimental barbamyl poisoning] Stanishevskaia AV, et al. Farmakol Toksikol 34:282-6, May-Jun 71 (Rus)

ANALYSIS

Determination of strychnine in biological materials by gas chromatography. Platonow N, et al. J Forensic Sci 15:443-6, Jul 70
[Incorporation of glycine in alkaloids of Strychnos] Maier W, et al. Arch Pharm (Weinheim) 304:351-61, May 71 (Ger)
[Studies on the use of UV spectrophotometry for assessment of some alkaloids in injections] Kanafarska-Miotkowska S. Acta Pol Pharm 28:23-9, 1971 (Pol)
[Colorimetric determination of strychnine and brucine after chromatographic resolution of mixtures of the substances] Widniewski W, et al. Acta Pol Pharm 27:567-71, 1970 (Pol)
[Separation of strychnine and securinine by thin layer chromatorraphy in chemical-toxicological analysis] Lapina KP. Farmatsiia 17:54-6, Sep-Oct 68 (Rus)

ANTAGONISTS & INHIBITORS

Blockade by eserine of the cerebral cortical effects of strychnine and curare. Bhargava VK, et al. Nature [New Biol] 230:152, 31 Mar 71

ISOLATION & PURIFICATION

[Study of conditions of alkaloids extracton in the form of bases or salts. 3. Extraction of strychnine] Akopian OA, et al. Farm Zh 25:61-3, 1970 (Ukr)

METABOLISM

Strain differences in the metabolism and action of drugs in mice and rats. Kato R, et al. Jap J Pharmacol 20:562-71, Dec 70
[Pharmaco-metabolic-enzyme induction in the feto-placental unit] Finzi C, et al. Atti Accad Med Lomb 23:294-8, Apr-Jun 68 (Ita)

PHARMACODYNAMICS

Microinjections of tubocurarine, leptazol, strychnine and picrotoxin into the cerebral cortex of anaesthetized cats. Banerjee U, et al. Br J Pharmacol 40:8-22, Sep 70
The effects of glycine, GABA and strychnine on sacral parasympathetic preganglionic neurones. DeGroat WC. Brain Res 18:542-4, 17 Mar 70
Effect of strychnine on the electroretinogram of the isolated rabbit retina. Vorkel W, et al. Experientia 27:296-7, 15 Mar 71
Changes in amino acid metabolism of rat brain following subconvulsive, convulsive and lethal doses of strychnine administration. Mukherjee A, et al. Indian J Exp Biol 9:13-7, Jan 71
The effect of local application of strychnine and acetylcholine on the brain cortex after complete ischemia. Sobotka P, et al. Pfluegers Arch 326:142-51, 1971
The effect of strychnine administration during development on adult maze learning in the rat. II. Drug administration from day 51 to 70. Peeke HV, et al. Psychopharmacologia 19:262-5, 1971
[Influence of strychnine on the electroretinogram of the isolated perfused frog retina] Vörkel W, et al. Acta Biol Med Ger 26:761-70, 1971 (Ger)
[Effect of calcium on strychnine-induced inhibition othe Wedensky type] Stella GD. Boll Soc Ital Biol Sper 46:555-8, 15 Jun 70 (Ita)
[The functional organization of the neuron systems of the central division of the frog visual analyzer under the influence of strychnine] Choraian OG, et al. Biull Eksp Biol Med 65:8-10, 1968 (Rus)
[The effect of strychnine on the inhibitory synapses of neurons of an isolated receptor in crustacea] Rusinov VS, et al. Biull Eksp Biol Med 63:25-30, Nov 67 (Rus)
[The strychnine spike as a model for analysis of processes in the polysynaptic structures of the cerebral cortex] Vai'tsev VB. Zh Vyssh Nerv Deiat 21:592-600, 1971 (Rus)

POISONING

Strychnine poisoning treated successfully with diazepam. Jackson G, et al. Br Med J 3:519-20, 26 Aug 71
Strychnine poisoning in horses. Meek DG, et al. J Am Vet Med Assoc 158:491, 15 Feb 71
Strychnine poisoning successfully treated with diazepam. Maron BJ, et al. J Pediatr 78:697-9, Apr 71
Diazepam treatment in a case of strychnine poisoning. Hardin JA, et al. Lancet 2:372-3, 14 Aug 71

STUART FACTOR see FACTOR X (D7)

STUART-PROWER FACTOR see FACTOR X (D7)

STUDENT DROPOUTS (F1, I, N1)

The superego: a key to troubled students. Moss NI. Am J Psychiatry 127:1418, Apr 71
A psychiatrist looks at student rebellion. Blaine GB Jr. Del Med J 42:268-71 passim, Oct 70
The Minneapolis program for pregnant school age girls. Garmezy E. Except Child 37:40-1, Sep 70
Incidence and type of psychiatric disturbance in dropouts from a state university. Davis H, et al. J Am Coll Health Assoc 19:241-6, Apr 71
Predicting post-hospital school attendance of disturbed adolescents. Kaplan HK. J Clin Psychol 27:403-4, Jul 71
A psychiatric training program for high school students assigned to a geriatric service. Friedman JH, et al. Ment Hyg 54:427-9, Jul 70
An adolescent message: happenings on the hip scene. Philips I. Ment Hyg 52:337-40, Jul 68
A longitudinal study of attrition and academic performance in a collegiate nursing program. Wittmeyer AL, et al. Nurs Res 20:339-47, Jul-Aug 71
Men who come into nursing. 2. Brown RG, et al. Nurs Times 66:Suppl:157-9, 22 Oct 70
The revolt of youth: some historical comparisons. Rosen G. Proc Am Psychopathol Assoc 59:1-19, 1970
[Scholastic maladjustment in adolescence] Asprea AM, et al. Minerva Pediatr 22:2141-2, 3 Nov 70 (Ita)

STUDENT HEALTH SERVICES (N2)

The quality of pharmacy services within the student health services of the university system of Georgia. Gibson JT, et al. Am J Hosp Pharm 28:37-42, Jan 71
Mental health service in a community college. Carey JH, et al. Am J Nurs 7:1189-92, Jun 71
The changing natre of student psychiatry in an era of political awareness. Halleck SL. Am J Psychother 24:566-78, Oct 70
A sex counseling service for college students. Sarrel PM, et al. Am J Public Health 61:1341-7, Jul 71
The health care system--maligned or malignant? Ann Intern Med 74:746-57, May 71
A broad approach in college mental health. Ackerly SS. Behav Neuropsychiatry 1:21-7, Jun 69
The student health services: University of Rhodesia. Stoke JC. Cent Afr J Med 16:253-5, Nov 70
Community mental health on the college campus. Reid KE. Hosp Community Psychiatry 21:387-9, Dec 70
Use of automated information systems in the management and evaluation of college health programs. Averill BW. J Am Coll Health Assoc 19:67-74, Oct 70
Immunization and student health records. Brown JE. J Am Coll Health Assoc 19:75, Oct 70
Financial information system. Cooke JW. J Am Coll Health Assoc 19:164-8, Feb 71
Student participation in campus health. Dawson JB. J Am Coll Health Assoc 19:177, Feb 71
A hunger strike on campus. Dawson JB. J Am Coll Health Assoc 19:87-8, Dec 70
Medical examination--complete? Duncan WR. J Am Coll Health Assoc 19:239-40, Apr 71
The academic community--an ecological viewpoint. Ford LC. J Am Coll Health Assoc 19:253-5, Apr 71
Developing a health program for the community college. Gage RW. J Am Coll Health Assoc 19:152-8, Feb 71
President's address. Gage RW. J Am Coll Health Assoc 19:51-4, Oct 70
The role of electronic data processing in the evaluation of college health programs. Hall WA. J Am Coll Health Assoc 19:125-30, Dec 70
Beyond the clinical cocoon: community mental health in the university. Havens J. J Am Coll Health Assoc 19:101-4, Dec 70
Editorial comment. Kilpatrick FJ. J Am Coll Health Assoc 19:1-2, Oct 70
Criteria for adminstration. VII. The director as a listener. Lovett ED. J Am Coll Health Assoc 19:Suppl:v, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Criteria for administration. 8. The director and delegation. Lovett ED.
J Am Coll Health Assoc 19:Suppl:vi, Feb 71
Criteria for administration. VI. The director and T-W C. Lovett ED. J Am Coll Health Assoc 19:Suppl:vi, Dec 70
Criteria for administration. V. The director and compliance. Lovett ED.
J Am Coll Health Assoc 19:Suppl:v, Dec 70
Implementation of a data processing system. Matte PJ.
J Am Coll Health Assoc 19:55-66, Oct 70
Student participation in student health programs. Plumb W, et al.
J Am Coll Health Assoc 19:174-6, Feb 71
Psychotherapy in the student health service. Woodmansey AC. Lancet 1:1122-3, 29 May 71
A school mental health program. Crowther P.
Ment Hyg 52:400-4, Jul 68
The school psychologist and mental hygiene. Ron K.
Ment Hyg 52:395-9, Jul 68
Today's students. (a). Students' health. Gunn AD.
R Soc Health J 91:175-9, Jul-Aug 71
Behavior disorders of the adolescent. Student mental health. Pond DA. Trans Med Soc Lond 86:116-21, 1970
The medical profession and school health. Flood RE.
W Va Med J 67:35-7, Feb 71
[Preventive examinations of Prague university students and present possibilities of examinations of asymptomatic population] Jirout K, et al.
Cas Lek Cesk 110:539-43, 1971 (Cze)
[Concept of prevention of internal diseases among Prague university students] Jirout K.
Cesk Zdrav 19:339-43, 1971 (Cze)
[Data concerning medical school inspections: a longitudinal study] Franckx H.
Arch Belg Med Soc 28:494-500, Jul 70 (Dut)
[View point on the nutritional education of French youth] Kytspotter B de.
Aliment Vie 58:237-40, 1970 (Fre)
[Psychotherapeutic counceling centers for students] Sperling E.
Munch Med Wochenschr 50:Suppl 50:4, 11 Dec 70 (Ger)
[Group formations at the university and its relation to treatment problems in students] Sperling E.
Z Psychosom Med Psychoanal 15:251-60, Oct-Dec 69 (Ger)
[Model for an epidemiologic research in university preventive medical services with reference to radiographic services] Del Vecchio V, et al.
Lotta Tuberc 39:85-91, Apr-Jun 69 (Ita)
[Preventive medicine in university student collectives] Del Vecchio V, et al.
Recent Progr Med (Roma) 49:XXIX+, Dec 70 (Ita)
[Preventive medicine and mental hygiene. Limits and operative possibilities of mental hygiene services in university preventive medicine] Dazzi P, et al.
Riv Sper Freniatr 94:1015-46, 31 Oct 70 (Ita)
[Counseling the student drug user] Retterstol N.
Tidsskr Nor Laegeforen 91:1415, 30 Jun 71 (Nor)
[Some problems of health protection of university students in Czechoslovakia and other countries] Beniak M, et al. Cesk Zdrav 19:310-6, 1971 (Slo)

MANPOWER

[School Health Service needs more doctors and permanent appointments]
Lakartidningen 67:5068, 28 Oct 70 (Swe)

UTILIZATION

Sophomore students on academic probation: a comparison of users and nonusers of a university counseling facility. West M.
J Am Coll Health Assoc 19:235-8, Apr 71
Factors affecting the choice of medical care among university students. Franklin BJ, et al.
J Health Soc Behav 11:311-9, Dec 70

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STUDENTS (I, M, N1)

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STUDENT DROPOUTS (F1, I, N1)

Student assessment according to a developmental sequence of educational goals: inventory. Hewett FM.
Am Ann Deaf 115:474-80, Jul 70
Attitudes, self-concepts, and the student in medical technology. Karni KR, et al.
Am J Med Technol 36:491-507, Oct 70
Maintaining academic freedom. Hargreaves AG, et al.
Am J Nurs 71:1590-2, Aug 71
Contraceptive use among single college students. A preliminary report. Fujita BN, et al.
Am J Obstet Gynecol 109:787-93, 1 Mar 71
Student activism, moral development, and morality. Keniston K. Am J Orthopsychiatry 40:577-92, Jul 70
Parent-youth conflict at home: an investigation among university freshmen. Kinloch GC.
Am J Orthopsychiatry 40:658-64, Jul 70
The young American expatriates in Canada: alienated or self-defined? Kline CL, et al.
Am J Orthopsychiatry 41:74-84, Jan 71
Psychiatry and the draft. Ollendorff RH, et al.
Am J Orthopsychiatry 41:85-90, Jan 71
Planning a drug abuse prevention program for junior and senior high school students. Kratz AM.
Am J Pharm 142:180-3, Jul-Aug 70
Faculty response to student confrontation. Shapiro T, et al. Am J Psychiatry 127:599-605, Nov 70
Admissions policies: side effects and their implications. Campbell DP.
Am Psychol 26:636-47, Jul 71
Ethical issues in research on student protest. Nikelly AG. Am Psychol 26:475-8, May 71
A quasi-paranoid feature of students' extreme attitudes againstcolonialism. Aiker HA.
Behav Sci 16:218-27, May 71
A comparative clinical trial of amitriptyline-perphenazine and chlordiazepoxide in anxious university students. McKnight E, et al.
Br J Clin Pract 25:381-3, Aug 71
The effects of creativity and intelligence on teacher ratings. Brody EB. Br J Educ Psychol 40:342-4, Nov 70
A follow-up study of school achievement in relation to personality. Finlayson DS.
Br J Educ Psychol 40:344-8, Nov 70
Academic achievement and student personality characteristics--a multivariate study. Hamilton V, et al. Br J Sociol 22:31-52, Mar 71
The cross-cultural student: lessons in human nature. Miller MH, et al. Bull Menninger Clin 35:128-31, Mar 71
Canadian Veterinary Students Association student editorial. Does your practice employ a student? Anderson B. Can Vet J 12:xvii, May 71
Therapy of the alienated college student. Halleck S.
Curr Psychiatr Ther 10:76-82, 1970
A psychiatrist looks at student rebellion. Blaine GB Jr.
Del Med J 42:263-71 passim, Oct 70
Counseling troubled college students. Kotkov B.
Dis Nerv Syst 32:392-401, Jun 71
The effects of reward and level of aspiration on students with deviant behavior. Noffsinger T.
Except Child 37:355-64, Jan 71
Training children to work productively in classroom groups. Peterson RF, et al.
Except Child 37:491-500, Mar 71
Personality correlates of vocational planning. Barnett R. Genet Psychol Monogr 83:309-56, May 71
Suicidal behavior among college students. Peck ML, et al. HSMHA Health Rep 86:149-56, Feb 71
Dietary ascorbic acid intake of Norwegian students. Eeg-Larsen N, et al. Int Z Vitaminforsch 40:546-7, 1970
Effectiveness of study counseling and desensitization in alleviating test anxiety in college students. Allen GJ. J Abnorm Psychol 77:282-9, Jun 71
Drug usage and related patterns of behavior in university students. I. General survey and marihuana use. Anker JL, et al.
J Am Coll Health Assoc 19:178-86, Feb 71
Roommate compatibility in freshmen women. Cerny SM, et al. J Am Coll Health Assoc 19:108-10, Dec 70
Student participation in campus health. Dawson JB.
J Am Coll Health Assoc 19:177, Feb 71
Characteristics of male homosexual college students. Fromhart MV.
J Am Coll Health Assoc 19:247-52, Apr 71
Student participation in student health programs. Plumb W, et al.
J Am Coll Health Assoc 19:174-6, Feb 71
Epidemiologic aspects of college mental health. Reifler CB. J Am Coll Health Assoc 19:159-63, Feb 71
Report of a preliminary study of pregnancy on the university campus. Siddall LB, et al.
J Am Coll Health Assoc 19:111-3, Dec 70
Problems of foreign students: an overview. Torrey EF, et al. J Am Coll Health Assoc 19:83-6, Dec 70
Sophomore students on academic probation: a comparison of users and nonusers of a university counseling facility. West M.
J Am Coll Health Assoc 19:235-8, Apr 71
Method for evaluating thiamine adequacy in college women. Henshaw JL, et al.
J Am Diet Assoc 57:436-41, Nov 70
Food practices and preferences of some college students. Stasch AR, et al.
J Am Diet Assoc 57:523-7, Dec 70
The scope of psychoanalyst as a consultant in colleges. Rubin LR. J Am Psychoanal Assoc 18:873-81, Jul 70
A comparison of the academic performance of male and female students in schools and universities. Dale RR.
J Biosoc Sci [Suppl] 2:95-9, May 70
Effects of student visits on social behavior of regressed schizophrenic patients. Spiegel D, et al.
J Clin Psychol 27:396-400, Jul 71
MMPI item differences between smoker and nonsmoker college freshmen males. Berger EM.
J Consult Clin Psychol 36:446, Jun 71
Attitude change in college students and chronic patients: a dual perspective. Chinsky JM, et al.
J Consult Clin Psychol 35:388-94, Dec 70
College students as companions to long-term mental hospital patients: some considerations. Fischer EH.
J Consult Clin Psychol 35:306-10, Dec 70
Attitudes toward the lower- and middle-class psychiatric patient as a function of authoritarianism among mental health students. Kurtz N, et al.
J Consult Clin Psychol 35:338-41, Dec 70
Measurement of a construct of the student-activist personality. Sheehan PW.
J Consult Clin Psychol 36:297, Apr 71
A program of dental career orientation for black junior and senior high school students. Hausmann E.
J Dent Educ 35:474-5, Aug 71
Individual differences in perceptions of the college environment. Marks E.
J Educ Psychol 61:270-9, Aug 70
A comparison of the characteristics of junior high shcool students. Greenfeld N, et al.
J Genet Psychol 117:37-50, Sep 70
Drug-taking habits among school children in Ireland. Wilson CW, et al. J Ir Med Assoc 64:367-71, 22 Jul 71
Personality caracteristics of college students on academic probation. Smith CP, et al.
J Pers 38:379-91, Sep 70
A scale to measure the social distance between college students and faculty. Fiebert MS.
J Psychol 77:3-7, Jan 71
Student mood during a full academic year. Nelson TM.
J Psychosom Res 15:113-22, Mar 71
Social class trends in the practices and attitudes of college students regarding sex, smoking, drinking, and the use of drugs. Althoff SA, et al.
J Sch Health 41:390-4, Sep 71
The school-age pregnant girl. Chenoweth AD.
J Sch Health 41:347-8, Sep 71
A measurement of alienation in college student marijuana users and non-users. Harris EM.
J Sch Health 41:130-3, Mar 71
Pregnant school-age girls. Howard M.
J Sch Health 41:361-4, Sep 71
Relationship between hostility and health problems in college students. Prueske EC.
J Sch Health 41:143-6, Mar 71
Prevalence of harmful health misconceptions in Colorado high school seniors. Stephens GE.
J Sch Health 41:161-3, Mar 71
Future time perspectives of college students in America and in India. Meade RD.
J Soc Psychol 83:175-82, Apr 71
A cross-cultural examination of the creative thinking ability of public and private school pupils in England, Scotland, and Germany. Ogletree E.
J Soc Psychol 83:301-2, Apr 71
Extent and prevalence of illicit drug use as reported by 56,745 students. Gossett JT, et al.
JAMA 216:1464-70, 31 May 71
More about activism. JAMA 216:1472, 31 May 71
Financial arrangements for medical treatment of overseas students. Throssell RP.
Med J Aust 1:406, 13 Feb 71
The mental health of commuter college students: a partial test of Kysar's hypothesis. Bown OH, et al.
Ment Hyg 52:354-9, Jul 68
Dogmatism, religiosity and mental health in college students. Richek HG, et al. Ment Hyg 54:572-4, Oct 70
Extensions to the study of science students' divergent thinking ability. Rump EE, et al.
Nature (Lond) 229:349-50, 29 Jan 71
Supernatural beliefs among graduate students at the University of Pennsylvania. Salter CA, et al.
Nature (Lond) 232:278-9, 23 Jul 71
Vigilance and the perceptions of teachers and students. Soucar E. Percept Mot Skills 32:83-6, Feb 71
The student revolt: totem and taboo revisited. Levitt M, et al. Psychiatry 34:156-67, May 71
Relationship between professed values and emotional adjustment of college students. Katkin S, et al.
Psychol Rep 28:523-8, Apr 71
Multidimensional scaling used to evaluate students residing in a rehabilitation unit. Stone LA, et al.
Psychol Rep 28:879-86, Jun 71
Religious orientations of three samples of graduate students in clinical psychology, social work, and counseling and guidance. Willis J, et al.
Psychol Rep 28:623-30, Apr 70
Today's students. (b). Student's attitudes to authority. Croft J. R Soc Health J 91:179-81, Jul-Aug 71
Today's students. (c). Suicide among students and its prevention. Fox R. R Soc Health J 91:181-5, Jul-Aug 71
An analysis of the relationship between somatotype and personality traits of college women. Slaughter M.
Res Q Am Assoc Health Phys Educ 41:569-75, Dec 70
The tarnished image of American higher education. Lennon JL. RI Med J 54:38-42 passim, Jan 71
Teacher aide attitudes toward the mentally retarded. Strauch JD, et al.
Train Sch Bull (Vinel) 67:15-9, May 70
Psychological upsets at a university Institute of Science and Technology. Edmonds OP.
Trans Soc Occup Med 20:140-2, Oct 70
[Sociologic study on factors influencing birth-rate among student families in Sofia] Kardashev G.
Akush Ginekol (Sofiia) 10:106-12, 1971 (Bul)
[Study of a population of pupils and of its attitudes toward leisure hours] Canonne F, et al.
Bull Inst Natl Sante Rech Med 25:391-426, May-Jun 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Extremization of risk taking in behavior groups in mental patients] Lambert R.
Encephale 59:499-514, Nov-Dec 70 (Fre)
[Incidence of allergic diseases in the student population: a survey involving 8000 subjects] Denis J, et al. Rev Fr Allergol 10:177-89, Jul-Sep 70 (Fre)
[Physical fitness during menstrual cycle and under estrogen progestone combination] Böckler H.
Dtsch Med Wochenschr 95:2482-7, 4 Dec 70 (Ger)
[Experience elements in the content dream of Hungarian pupils] Geréb G, et al.
Prax Kinderpsychol Kinderpsychiatr 19:300-16, Nov-Dec 70 (Ger)
[Consumption of psychoactive drugs and illegal drugs by the Zurich university students] Bättig K.
Schweiz Med Wochenschr 100:1887-93, 31 Oct 70 (Ger)
[Hygienic importance of exercise activity in students] Silla RW. Z Gesamte Hyg 14:840-3, Nov 68 (Ger)
[Changes in the functional condition of school children during the course of a school day under various conditions] Silla RW.
Z Gesamte Hyg 14:834-6, Nov 68 (Ger)
[Fatigue, a leading symptom in neurotic learning disorders in students] Sperling E.
Z Psychosom Med Psychoanal 13:188-90, Jul-Sep 67 (Ger)
[Psychosocial problems of foreign students in Germany] Fanal F.
Z Psychother Med Psychol 21:100-7, May 71 (Ger)
[Our restless youth. I. Talking to each other] Hartlmaier KM.
Zahnaerztl Mitt 61:97-100, 1 Feb 71 (Ger)
[The problem of nutrition of adolescent students] Posteraro G.
Minerva Pediatr 22:2260-1, 17 Nov 70 (Ita)
[Analysis of freshly detected cases of pulmonary tuberculosis among students in 1967-1968, 1968-1969 and 1969-1970] Wrzesińska E, et al.
Gruzlica 39:423-6, May 71 (Pol)
[Aspects of the development of tuberculosis infections among students of advanced studies] Racine R.
Hoja Tisiol 26:76-94, 1969 (Por)
[Effects of a combination of gamma-aminobutyric acid and reserpine on the intellectual activity and affectivity of university students during exams] Valente LC, et al.
Hospital (Rio de J) 76:1137-42, Sep 69 (Por)
[Enterovirus serological studies among the study population of a rural area of the State of Guanabara] Schatzmayr HG, et al.
Rev Inst Med Trop Sao Paulo 13:9-13, Jan-Feb 71 (Por)
[Functional state of the organism of young people combining work and study] Slepushkina II.
Gig Sanit 36:39-42, 1971 (Rus)
[Some data on morbidity of students in the Leningrad Polytechnical Institute] Vodiaga VK.
Sov Zdravookhr 29:59-61, 1970 (Rus)
[Epidemiology of drug consumption of psychostimulants among Peruvian university students] De Leon O.
Rev Neuropsiquiatr 32:17-32, Mar 69 (Spa)
[Epidemiologic importance of undiagnosed nephritis among students] Del Rey Calero J, et al.
Rev Sanid Hig Publica (Madr) 45:205-22, Feb 71 (Spa)

STUDENTS, DENTAL (I, M, N2)

The dental specialist in research: a training institute in the speech sciences. Noll JD, et al.
ASHA 13:12-3, Jan 71
Dentist: biologist, scientist, or craftsman? Claycomb CK. Aust Dent J 15:408-11, Oct 70
Students respond to community needs.
J Am Dent Assoc 82:527, Mar 71
Office of Student Affairs serves new student association. Report on Office of Student Affairs.
J Am Dent Assoc 83:175-6, Jul 71
Buffalo sets program for foreign students.
J Am Dent Assoc 82:77-9, Jan 71
The Toronto students' community dental clinic.
J Can Dent Assoc 37:98-9, Mar 71
Students probe. Licensure, education and association benefits. J Can Dent Assoc 37:7-9, Jan 71
Students produce CDA health education film.
J Can Dent Assoc 37:168-70, May 71
Dental student attitudes toward expanded duties of dental assistants. Dorfman RL, et al.
J Dent Educ 35:220-4, Apr 71
Computer content analysis of written materials, University of Florida. MacKenzie RS.
J Dent Educ 35:53, Feb 71
The unchanging student. Martin DW.
J Dent Educ 35:308 passim, May 71
Development of the perceptual-motor ability test to replace the carving dexterity examination of the dental admission testing program. Pyskacek RA.
J Dent Educ 35:51, Feb 71
The Dental Admission Testing Program and proposed changes. Pyskacek RA. J Dent Educ 35:237-42, Apr 71
A comparison of dental student self-evaluations with predicted and actual teacher evaluations. Ries AL, et al. J Dent Educ 35:493-5, Aug 71
The dental student and the dental hygiene profession. Stout JA. J Dent Educ 35:509-11, Aug 71
Principal components analysis of the dental aptitude test battery. Zullo TG. J Dent Educ 35:144-8, Mar 71
A factor analysis of perceptual and motor abilities of dental students. Zullo TG.
J Dent Educ 35:356-61, Jun 71
Editorial. Welcome to the new baby, American Student Dental Association. Fennelly WA.
NY J Dent 41:199, Jun-Jul 71
Roentgenographic comparison of state of teeth in dental students in 1948 and 1968. Gröndahl HG, et al.
Sven Tandlak Tidskr 63:919-27, Dec 70
[The students' incentives to study dentistry] Gaeng H.
Schweiz Monatsschr Zahnheilkd 80:1292-4, Dec 70 (Ger)
[Quota system from the student's point of view] Hartlmaier KM.
Zahnaerztl Mitt 61:47-9, 16 Jan 71 (Ger)
[Assessment of manual dexterity of 3rd-year students of dentistry] Syryńska M.
Czas Stomatol 24:369-74, 1971 (Pol)

STUDENTS, HEALTH OCCUPATIONS (I, M, N2)

The effect of tight money on students. Andreas SR.
J Am Optom Assoc 42:69-73, Jan 71
Histoplasmin sensitivity in students of the Medical University of South Carolina. Goodman NL, et al.
J SC Med Assoc 67:53-5, Feb 71
Are students revolting? Nurs Times 67:161, 11 Feb 71
What is N.A.P.S.? Kurrein S.
Physiotherapy 56:366-7, Aug 70
[Education of the social assistant student by case discussion groups] Mathieu M.
Hyg Ment 60:1-11, Mar-Apr 71 (Fre)

STUDENTS, MEDICAL (I, M, N2)

Emotional response of students to a political crisis. Jensen GD. Am J Psychiatry 128:356-8, Sep 71
Medical student radicals: conflict and resolution. Maxmen JS. Am J Psychiatry 127:1211-5, Mar 71
Incidence of positive skin tests among medical students. Whitcomb N. Ann Allergy 29:67-70, Feb 71
On student unrest. Boardman DW.
Ann Intern Med 74:454, Mar 71
Professional training on alcoholism. Workshop 4: changing student and faculty attitudes toward alcoholic patients. Ewing J.
Ann NY Acad Sci 178:87-91, 29 Mar 71
The medical student's view of alcoholism education. Jessee WF. Ann NY Acad Sci 178:24-7, 29 Mar 71
Learning rehabilitation medicine: a program by and for medical students. Cole TM, et al.
Arch Phys Med Rehabil 52:61-7, Feb 71
Evaluation of effects on medical students of an introductory course in rehabilitation medicine. Slater SB, et al. Arch Phys Med Rehabil 51:558-64, Sep 70
Medical students and surgery. 1970. Funkenstein DH.
Arch Surg 102:81-6, Jan 71
Doctor draft. Rousselot LM. Arch Surg 102:87-8, Jan 71
A linear educational study on the intake of a single year into medical school. Buckley-Sharp MD, et al.
Br J Med Educ 4:89-96, Jun 70
Women students in Canadian medical schools. Nelson-Jones R, et al. Br J Med Educ 4:97-108, Jun 70
Learning environment of a medical school: expectations versus perceptions of a first-year class. Rothman AI. Br J Med Educ 4:289-92, Dec 70
Malaysian medical students: intellectual performance and ethnic background. Wagner NN.
Br J Med Educ 4:109-13, Jun 70
Medical students and smoking. Anderson J.
Br Med J 4:120, 10 Oct 70
Smoking in postgraduate medical centres. Anderson JP. Br Med J 1:558, 6 Mar 71
Medical students and smoking. Ball K.
Br Med J 4:367, 7 Nov 70
Glasgow women medical students: some facts and figures. Timbury MC, et al. Br Med J 2:216-8, 24 Apr 71
Affecting medical students' attitudes toward community medicine. Rogatz P.
Bull NY Acad Med 47:236-48, Mar 71
A survey of the attitudes of second, third and fourth year medical students toward the "curability" of breast cancer. Sherman CD Jr, et al.
CA 20:365-7, Nov-Dec 70
Medicine and human values. Jessee WF.
Calif Med 112:72-3, Feb 70
Medical student unrest. Danby FW.
Can Med Assoc J 105:21 passim, 10 Jul 71
Medical student unrest.
Can Med Assoc J 104:824, 8 May 71
The plans of our doctors in training. Breed JE.
Ill Med J 138:536-7, Nov 70
The plans of our doctors in training. 2. Breed JE.
Ill Med J 138:602-3, Dec 70
The medical student, the public and medical care. Sheps CG. Ill Med J 138:598-601, Dec 70
Dietary surveys on school children and medical students. Ritzel G, et al.
Int Z Vitaminforsch 40:548-51, 1970
Evolution of selection methods for admission to medical school. I. Matriculation grades, entrance examination and personal interview as predictors of achievement in medical school. Prywes M.
Isr J Med Sci 6:113-25, Jan-Feb 70
Evolution of selection methods for admission to medical school. III. Psychological tests in the selection of medical students. Shanan J, et al.
Isr J Med Sci 6:132-44, Jan-Feb 70
Evolution of selection methods for admission to medical school. II. Critical evaluation of a semi-structured interview. Sterk VV, et al.
Isr J Med Sci 6:126-31, Jan-Feb 70
Motivation factors influencing a student's selection of osteopathic medicine as a career. O'Donnell AE.
J Am Osteopath Assoc 70:485-7, Jan 71
New approach to the prediction of medical specialization: student-based strong vocational interest blank scales. Atheistan GT, et al.
J Appl Psychol 55:80-6, Feb 71
Caveats and cheer for student companions. Bean WB.
J Iowa Med Soc 61:67-71, Feb 71
The Iowa Family Practice Club and family practice in Iowa. Moessner H, et al.
J Iowa Med Soc 61:467-9, Aug 71
Students and family practice. Student activism returns to family practice. Vangundy MJ.
J Kans Med Soc 72:114 passim, Mar 71
Medical education. What are the student's responsibilities? Williams RD.
J Kans Med Soc 72:22-5, Jan 71
The detection of individuals prone to coronary artery disease--a screening program conducted on medical students. Berenson GS, et al.
J La State Med Soc 123:49-56, Feb 71
Experimental psychiatric clerkship for prefreshman medical students. Bakewell WE Jr, et al.
J Med Educ 46:156-63, Feb 71
Student transfers from foreign medical schools. Bamford JC Jr. J Med Educ 46:431-5, May 71
Medical student response to a program for teaching comprehensive care. Beloff JS, et al.
J Med Educ 45:1047-59, Dec 70
Multivariate predictors in selecting medical students. Best WR, et al. J Med Educ 46:42-50, Jan 71
Medical students teach to community. Cauffman JG, et al. J Med Educ 46:818-20, Jul 71
A second study in composition of small learning groups in medical education. Fleisher DS, et al.
J Med Educ 45:929-38, Nov 70
Admission of graduate students to the second year of medical school. Funkenstein DH.
J Med Educ 45:939-40, Nov 70
Time utilization by medical students on a pass-fail evaluation system. Jessee WF, et al.
J Med Educ 46:275-80, Apr 71
Medical school class and illness history. Johnston RG, et al. J Med Educ 45:888-92, Nov 70
Social characteristics of applicants to Canadian Medical Schools. Nelson-Jones R, et al.
J Med Educ 45:918-28, Nov 70
Intellectual, personality, and environmental factors in career specialty preferences. Paiva RE, et al.
J Med Educ 46:281-9, Apr 71
Students' perceptions and concerns during their first year in medical school. Rosenberg PP.
J Med Educ 46:211-8, Mar 71
Personality correlates of first-year medical school achievement. Rothman AI, et al.
J Med Educ 45:901-5, Nov 70
Medical school climate: comparative faculty and student views. Sheehan TJ.
J Med Educ 45:880-7, Nov 70
A student-designed pediatrics clerkship. Silber DL, et al. J Med Educ 46:219-28, Mar 71
How medical students finance their education. Smith LC, et al. J Med Educ 46:567-74, Jul 71
The differential predictive validity of science MCAT in the admissions process. Stefanu C, et al.
J Med Educ 46:461-3, May 71
U. S. Medical student enrollments, 1968-69 through 1970-71. J Med Educ 46:96-7, Jan 71
Application activity and MCAT data of applicants to the class of 1969-70. J Med Educ 45:1071-3, Dec 70
Forward together. Truett HW Jr.
J Okla State Med Assoc 63:209-12, May 70
Patients and students in general practice. Richardson IM. J R Coll Gen Pract 20:285-7, Nov 70
Care and feeding of the medical student. The foundation for professional competence. Engel GL.
JAMA 215:1135-41, 15 Feb 71
On a cheerful note.An intangible elixir in the doctor's bag. Seegal D. JAMA 215:476-7, 18 Jan 71
Attitudes of medical students toward cannabis. Solursh LP, et al. JAMA 217:1371-2, 6 Sep 71
Medical student involvement in comprehensive health care. Wasserman E, et al. JAMA 215:2096-8, 29 Mar 71
Who is a medical student? What is a medical school? When is a physician? JAMA 214:1554-6, 23 Nov 70
Characteristics of male medical students related to their subsequent careers. Monk MA, et al.
Johns Hopkins Med J 127:254-72, Nov 70
Personality characteristics of medical students as reflected by the Strong vocational interest test with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

special reference to smoking habits. Thomas CB, et al. Johns Hopkins Med J 127:323-35, Dec 70
A survey of the work performed by medical students in Danish hospital wards. Jacobsen E. Laval Med 42:389-92, 1971
Medical education in the 70's: what the student wants. Rose TG. Md State Med J 20:56-7, Jul 71
The new medical student. Vash PD. Md State Med J 20:61-2, Jul 71
What medical students think is wrong with medical education today. Wagley PF. Md State Med J 20:55, Jul 71
The changing attitudes of medical education and its ramifications upon the student. Weinstein H. Md State Med J 20:59-61, Jul 71
Medical students--a collective portrait. Encel S, et al. Med J Aust 1:698-703, 27 Mar 71
Taking students off the book. Coppola ED. N Engl J Med 284:450-1, 25 Feb 71
A student-community planned health project for the poor. Freidin R, et al. N Engl J Med 283:1142-7, 19 Nov 70
Student doctors. Glickman L. N Engl J Med 284:1216-7, 27 May 71
Conscientious student. Newman M. N Engl J Med 284:450, 25 Feb 71
SAMA vote in the AMA? Spencer ER Jr. N Engl J Med 285:459-60, 19 Aug 71
Orientation of the medical student. Stanford JR. N Engl J Med 285:182, 15 Jul 71
The last Puritan. N Engl J Med 284:922-4, 22 Apr 71
Medical students as "probation officers" for juvenile offenders. Dugaw JE, et al. Nebr State Med J 56:60-2, Feb 71
Student reactions to pharmaceutical promotion practices. Barnes CJ, et al. Northwest Med 70:262-6, Apr 71
Student clinic for migrant laborers. Duncan T, et al. Northwest Med 70:464-7, Jul 71
A preceptee's experience in community medicine. Hankey T. Ohio State Med J 67:157-65, Feb 71
High and low levels of dogmatism in relation to personality, intellectual, and environmental characteristics of medical students. Juan IR, et al. Psychol Rep 26:535-44, Apr 70
A survey of student opinion on optional courses in the medical curriculum. Hall DJ, et al. Scott Med J 16:322-6, Jul 71
Specialty choice and attitudes toward medical specialists. Zimny GH, et al. Soc Sci Med 4:257-64, Aug 70
Development of primary medical care programs by university teaching hospitals: issues relating to student and house staff teaching programs in internal medicine. Vayda E. Trans Assoc Am Physicians 83:69-72, 1970
[Views of last-year medical students on the importance of health education] Slavětínský M. Cesk Zdrav 19:384-5, 1971 (Cze)
[The patient, the hospital setting and the student: reflections on the 1st week of the clinical session course of 3d year medical students] Bury JA, et al. Laval Med 42:373-5, 1971 (Fre)
[Study of replies of medical students concerning psychiatric training] Ghadirian A. Laval Med 42:384-8, 1971 (Fre)
[2nd survey on the motivation of 1st year medical students] Porot M, et al. Presse Med 79:823-5, 10 Apr 71 (Fre)
[The development of a professional personality in medical trainees: identification with the patient and the physician] Wiener P. Rev Med Psychosom 13:79-92, 1971 (Fre)
[Personality of volunteers in pharmaco-psychological experiments] Broeren W. Arzneim Forsch 20:871, Jul 70 (Ger)
[Students: layman assistants in the neurologic hospital] Dtsch Med Wochenschr 96:137, 15 Jan 71 (Ger)
[International viewpoints of general medicine on student education] Z Allgemeinmed 46:Suppl 5:37-40, 31 Dec 70 (Ger)
[Sociological investigations among women medical students concerning their ideas about future professional activity] Stötzer F, et al. Z Gesamte Hyg 16:933-7, Dec 70 (Ger)
[Results of a poll on the training of medical undergraduates] Stefanowski M, et al. Pol Tyg Lek 26:690-3, 3 May 71 (Pol)
[Attitudes of senior medical students towards problems of psychiatric care] Maksimowska M, et al. Psychiatr Pol 4:579-83, 1970 (Pol)
[On certain basic principles of clinical management] Hankiewicz J. Wiad Lek 24:283-7, 1 Jul 71 (Pol)
[Advice to the medical freshman] Albuquerque MA. Rev Assoc Med Bras 16:131-2, Apr 70 (Por)
[Medical education: student-intern x physician-intern] Rigatto M, et al. Rev Assoc Med Bras 16:287-90, Aug 70 (Por)
[Responsibility of the medical student in a teaching hospital] Rosa H. Rev Assoc Med Bras 16:371-4, Oct 70 (Por)
[Interest about teaching from part of the public health students] Bastian EM. Rev Saude Publica 4:105-6, Jun 70 (Por)
[Hygienic problems in organizing the work and living conditions of medical students] Krasnianskaia PL. Gig Sanit 35:102-3, Jul 70 (Rus)
[Work of the Institute on ideological education of students] Ivanovskaia TV, et al. Sov Zdravookhr 29:58-62, 1970 (Rus)
[Differentiated selection of students--basis for successful work of faculties for higher qualifications of teachers in medical schools] Bazanov NV. Zdravookhr Ross Fed 14:31-3, Mar 70 (Rus)
[Experience in medical service to students of the Voronezh Medical Institute] Furmenko IP, et al. Zdravookhr Ross Fed 15:37-40, Feb 71 (Rus)
[Scientific organization of the process of instruction of medical students] Khamitov KhS, et al. Zdravookhr Ross Fed 14:35-40, Sep 70 (Rus)
[The decision to study medicine] García JC. Educ Med Salud 4:277-94, Oct-Dec 70 (Spa)
[General characteristics of medical education in Latin America] Garcia JC. Educ Med Salud 3:267-316, Oct-Dec 69 (Spa)
[Opinions of 6th year students on general medicine] Muñoz Lalinde E, et al. Educ Med Salud 3:22-30, Jan-Mar 69 (Spa)
[Early development of clinical ability in medical students] Scott HM, et al. Educ Med Salud 4:344-54, Oct-Dec 70 (Spa)
[Study on selection and accomplishments of students of the Edinburg Medical School] Perry WL. Rev Fac Cienc Med Cordoba 28:194-208, Apr-Jun 70 (Spa)

STANDARDS

The selection of medical students. Harris H. Med J Aust 1:718, 27 Mar 71

SUPPLY & DISTRIBUTION

Medical student enrolment in Canada, 1969-70: report of statistics. Collishaw NE, et al. Can Med Assoc J 104:916-22, 22 May 71
Women in medicine; locums and assistants. Apted J. Med J Aust 1:558, 6 Mar 71
Women in medicine; locums and assistants. Collins J. Med J Aust 1:501, 27 Feb 71
[General medicine, the most frequented discipline] Dtsch Med Wochenschr 95:2397, 20 Nov 70 (Ger)
[Two semesters of medical studies in Grenoble] Geissler KH. Munch Med Wochenschr 112:1960-1, 23 Oct 70 (Ger)
[Medical students in the accident rescue service and transport of the sick?] Sefrin P. Munch Med Wochenschr 113:194-7, 5 Feb 71 (Ger)

UTILIZATION

Future physicians as nurses' assistants. Hollis MA. Am J Nurs 71:99, Jan 71
Use of medical students in studying health center operations in Taiwan. Yen YT. J Med Educ 46:466-9, May 71

STUDENTS, NURSING (I, M, N2)

They don't notice her wheelchair. Nayer DD. Am J Nurs 7:1130-3, Jun 71
Audio slides streamline interviews. Henricks MJ. Can Nurse 67:35-6, Aug 71
Students have a right to make mistakes. Starr DS. Can Nurse 66:27, Dec 70
The modern student nurse and her professional organization. Jarrett L. Int Nurs Rev 18:31-9, 1971
Programmed instruction in nutrition for collegiate nursing students. Klang MH. J Am Diet Assoc 57:423-7, Nov 70
A study of differential socialization for members of one professional occupation. Alutto JA, et al. J Health Soc Behav 12:140-7, Jun 71
Changes in diploma nursing students' perceptions of a good nurse. Friedman W. Nurs Forum 10:72-9, 1971
Students who choose nursing: are thy success oriented? Pender NJ. Nurs Forum 10:64-71, 1971
RIPS: a remedial instruction program. De Frank JL. Nurs Outlook 19:180-1, Mar 71
Heart of the convention. Lewis EP. Nurs Outlook 19:383, Jun 71
Developing a research attitude in nursing students. Martocchio BC, et al. Nurs Outlook 19:384-6, Jun 71
Why do basic nursing students work in nursing? Paynich ML. Nurs Outlook 19:242-5, Apr 71
The interpretation of scores on the NLN pre-admission and classification examination. Nurs Outlook 18:47, Dec 70
The use of the motivational analysis test in the selection of Scottish nursing students. Cordiner CM, et al. Nurs Res 20:356-62, Jul-Aug 71
Semantic and stylistic features of nursing students' knowledge of mental illness. Fabrega H Jr, et al. Nurs Res 20:352-6, Jul-Aug 71
Nursing students' and faculty opinion on student evaluation of teachers. Lowery BJ, et al. Nurs Res 20:436-9, Sep-Oct 71
Some characteristics of freshman students in baccalaureate, diploma, and associate degree nursing programs. Wren GR. Nurs Res 20:167-72, Mar-Apr 71
Men who come into nursing. 2. Brown RG, et al. Nurs Times 66:Suppl:157-9, 22 Oct 70
Men who come into nursing. 1. Brown RG, et al. Nurs Times 66:Suppl:153-5, 15 Oct 70
How to help the students. Chadwick A. Nurs Times 67:844, 8 Jul 71
Sociometry as an adjunct to nurse teaching. Chapman RW. Nurs Times 67:Suppl:33-6, 4 Mar 71
How not to obtain student nurses. Hall J. Nurs Times 66:Suppl:164, 29 Oct 70
Portrait of a student nurse. (Payne S), McCarrick H. Nurs Times 66:1338-9, 15 Oct 70
Roles in nursing. 1. The student. Parry-Jones WL. Nurs Times 67:30-1, 7 Jan 71
Norms for first-year student nurses. General intelligence and personality. Singh A. Nurs Times 67:Suppl:117-9, 29 Jul 71
Student evaluations of their tutors in four schools of nursing. 1. A pilot study. Wood V. Nurs Times 67:Suppl:97-100, 24 Jun 71
Where's the logic? Nurs Times 67:623, 27 May 71
The student program; participation, not observation. Keller MJ. Occup Health Nurs (NY) 18:17-9, Nov 70
The student nurse: a study in sex role transition. Edwards CN. Psychol Rep 25:975-90, Dec 69
Note on the personality traits of student nurses. Hoffmann H. Psychol Rep 27:1004, Dec 70
Attitudes of nurses and nursing students toward alcoholism treatment. Moody PM. Q J Stud Alcohol 32:172-5, Mar 71

UTILIZATION

'Don't sacrifice the children to the nurses'. Nurs Times 66:1409, 5 Nov 70

STUDENTS, PHARMACY (I, M, N2)

Student involvement in the ASHP through an affiliated chapter. Morgan DJ, et al. Am J Hosp Pharm 27:750-2, Sep 70
[Professional competion of skilled pharmaceutical apprentices in the Magdeburg district] Münch H. Pharm Prax 7:163-4, 1970 (Ger)

STUDENTS, PREMEDICAL (I, M, N2)

Competition and the premedical student. Davids A, et al. J Consult Clin Psychol 37:67-72, Aug 71
[2nd survey on the motivation of 1st year medical students] Porot M, et al. Presse Med 79:823-5, 10 Apr 71 (Fre)
[Study on selection and accomplishments of students of the Edinburg Medical School] Perry WL. Rev Fac Cienc Med Cordoba 28:194-208, Apr-Jun 70 (Spa)

STURGE-WEBER SYNDROME see under

ANGIOMATOSIS (C2)

STUTTERING (C10, F2)

The fear of stuttering. Wingate ME. ASHA 13:3-5, Jan 71
Stuttering and normal nonfluency a continuity hypothesis. Bloodstein O. Br J Disord Commun 5:30-9, Apr 70
Perceptual attenuation of an irrelevant auditory verbal input as measured by an involuntary verbal response in a selective-attention task. Zelniker T. J Exp Psychol 87:52-6, Jan 71
Speech clinicians' conceptions of boys and men who stutter. Woods CL, et al. J Speech Hear Disord 36:225-34, May 71
Re: the computation of the consistency effect in stuttering. Gruber L. J Speech Hear Res 13:668-9, Sep 70
Differences in disfluency behavior between male and female nonstuttering children. Kools JA, et al. J Speech Hear Res 14:125-30, Mar 71
Identification of brief pauses in the fluent speech of stutterers and nonstutterers. Love LR, et al. J Speech Hear Res 14:229-40, Jun 71
Punishment, stuttering, and disfluency. Siegel GM. J Speech Hear Res 13:677-714, Dec 70
Distribution of instances of disfluency in consecutive readings of different passages by nonstutterers. Silverman FH. J Speech Hear Res 13:874-82, Dec 70
Effect on stuttering of changes in audition. Wingate ME. J Speech Hear Res 13:881-73, Dec 70
Phonetic ability in stuttering. Wingate ME. J Speech Hear Res 14:189-94, Mar 71
Context-dependent stuttering. MacKay DG. Kybernetik 7:1-9, Apr 70
Some aspects of stammering. Donovan GE. Practitioner 207:205-10, Aug 71
[Stuttering consistency: stuttering frequency related to attitude variables] Schaper WW. Ned Tijdschr Psychol 26:278-90, May 71 (Dut)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Neuro-psychiatric aspect of stuttering] Launay C. Rev Laryngol Otol Rhinol (Bord) 90:361-72, Jul-Aug 69 (Fre)

[4 fundamental defects in the speech of a stutterer] Le Huche F. Rev Laryngol Otol Rhinol (Bord) 92:196-207, Mar-Apr 71 (Fre)

COMPLICATIONS

[Apropos of stuttering] Dubois G. Rev Laryngol Otol Rhinol (Bord) 90:460-6, Jul-Aug 69 (Fre)

[Secondary neurotic symptoms in stutterers] Maasz EM, et al. Z Gesamte Hyg 17:141-8, Feb 71 (Ger)

DIAGNOSIS

Stutter: functional (habitual) and organic differential diagnosis. Lanzkron J. Am J Psychiatry 127:1424, Apr 71

Psychopathogenic non-fluency. McCool J. Br J Disord Commun 5:16-21, Apr 70

To establish a basis for prognosis in stammering. Neaves AI. Br J Disord Commun 5:46-58, Apr 70

Stuttering and cluttering. Developmental aspects of dysrhythmic speech. De Hirsch K. Folia Phoniatr (Basel) 22:311-24, 1970

Stuttering and cluttering. The differential diagnosis. Van Riper C. Folia Phoniatr (Basel) 22:347-53, 1970

Reply to "comment on 'primary stuttering at the onset of stuttering: a reexamination of data'". McDearmon JR. J Speech Hear Res 14:447-8, Jun 71

Comment on "primary stuttering at the onset of stuttering: a reexamination of data". Silverman EM. J Speech Hear Res 14:446-7, Jun 71

DRUG THERAPY

Haldol in the treatment of children with tics and stutterers and an incidental finding. Tapia F. Behav Neuropsychiatry 1:28 passim, Jun 69

A contribution to pharmacotherapy of stuttering and cluttering. Sedláčková E. Folia Phoniatr (Basel) 22:354-75, 1970

ETIOLOGY

Psychological problems and precipitating factors in the stuttering of children. Ierodiakonou CS. Acta Paedopsychiatr (Basel) 37:166-74, Nov 70

Nonfluency, information, and word length. Lanyon RI, et al. J Abnorm Psychol 76:93-7, Aug 70

A case supporting Martin's hypothesis. Jones MC. J Speech Hear Disord 36:291-2, May 71

[Apropos of 2 cases of stuttering in the courseof chronic otorrhea] Baron F, et al. Rev Laryngol Otol Rhinol (Bord) 90:466-9, Jul-Aug 69 (Fre)

[A case of transient acute stuttering in cerebral atrophy] Mori G. Rev Neuropsiquiatr 33:214-8, Sep 70 (Spa)

PHYSIOPATHOLOGY

Neurological mechanisms in stammering: an hypothesis. Wyke B. Br J Disord Commun 5:6-15, Apr 70

Experimental interference with auditory feedback. Langová J, et al. Folia Phoniatr (Basel) 22:191-6, 1970

The monosynaptic spinal cord reflex activity changes in stuttering. Lašťovka M. Folia Phoniatr (Basel) 22:129-38, 1970

[Electromyographic study concerning neuro-muscular excitability in certain stuttering subjects] Gonay P. Acta Otorhinolaryngol Belg 23:420-5, 1969 (Fre)

REHABILITATION

[The body as mouthpiece: introduction to the study of stuttering] Demangeat M. Rev Laryngol Otol Rhinol (Bord) 90:384-403, Jul-Aug 69 (Fre)

[Stuttering: study of a case] Lesage A. Rev Laryngol Otol Rhinol (Bord) 90:454-9, Jul-Aug 69 (Fre)

[An orthophonic sanitarium. Its organizational and therapeutic profile] Rozentalowa A. Psychiatr Pol 5:335-9, May-Jun 71 (Pol)

THERAPY

Clinical training in stuttering therapy: a survey. Leith WR. ASHA 13:6-8, Jan 71

A point of view about fluency. Rubin H, et al. ASHA 13:380-4, Jul 71

A new device for the treatment of stammering. Donovan GE. Br J Disord Commun 6:86-8, Apr 71

Intensive treatment and group therapy programme for the child and adult stammerer. Fawcus M. Br J Disord Commun 5:59-65, Apr 70

Stuttering: not a symptom but a way of life. Fransella F. Br J Disord Commun 5:22-9, Apr 70

The long term effect of auditory masking on young stutterers. MacCulloch MJ, et al. Br J Disord Commun 5:165-73, Oct 70

The use of DAF in stuttering therapy. Van Riper C. Br J Disord Commun 5:40-5, Apr 70

The effects of time-out on stuttering in a 12 year old boy. Martin R, et al. Except Child 37:303-4, Dec 70

The application of filial therapy to young children with stuttering problems. Andronico MP, et al. J Speech Hear Disord 36:377-81, Aug 71

The combined use of operant procedures and theoretical concepts in the treatment of an adult female stutterer. Egolf DB, et al. J Speech Hear Disord 36:414-21, Aug 71

The use of the portable voice masker in stuttering therapy. Gruber L. J Speech Hear Disord 36:287-9, May 71

Operant procedures applied to stuttering therapy for children. Ryan BP. J Speech Hear Disord 36:264-80, May 71

The effects on stuttering frequency of pairing punishment (response cost) with reinforcement. Halvorson JA. J Speech Hear Res 14:358-64, Jun 71

Time-out as punishment for stuttering: a reply to Martin Adams. Martin RR, et al. J Speech Hear Res 14:220-2, Mar 71

Comment on "stuttering and its disappearance". Reed R. J Speech Hear Res 14:444, Jun 71

Therapy as seen by stutterers. Sheehan JG, et al. J Speech Hear Res 14:445-6, Jun 71

A rationale for the use of the hearing-aid metronome in a program of therapy for stuttering. Silverman FH. Percept Mot Skills 32:34, Feb 71

[Therapeutic possibilities for stuttering children] Bastijns P. Acta Otorhinolaryngol Belg 23:679-82, 1969 (Dut)

[2 therapeutic technics for the treatment of stutterers: and evaluation] Faverey HA, et al. Ned Tijdschr Psychol 26:259-77, May 71 (Dut)

[On hypnosis in the treatment of nocturnal enuresis and other neurotic diseases in children] Lazarovici H. Neurol Psihiatr Neurochir 15:505-12, Nov-Dec 70 (Rum)

[On an instrument for the treatment of stuttering] Mori G. Rev Neuropsiquiatr 33:301-4, Dec 70 (Spa)

[Organization of therapy for stuttering children] Bibik VA. Pediatr Akush Ginekol 3:27, 1970 (Ukr)

URINE

[Urinary 5-hydroxyindoleacetic acid in stuttering children] Mašura S. Bratisl Lek Listy 54:720-5, Dec 70 (Slo)

STYE see HORDEOLUM (C1, C11)

STYRENES (D2)

see also related
POLYSTYRENES (D13)

A radiometric assay for hepatic epoxide hydrase activity with [7-3H] styrene oxide. Oesch E, et al. Biochim Biophys Acta 227:685-91, 10 Mar 71

An osmiophilic distyryl ditetrazolium salt (DS-NBT) for ultrastructural dehydrogenase activity. Seligman AM, et al. J Histochem Cytochem 19:273-85, May 71

ADVERSE EFFECTS

[Effect of histamine on the main functions of the stomach in anacid gastritis in persons working with aromatic hydrocarbons] Bashirov AA. Ter Arkh 42:41-4, Dec 70 (Rus)

METABOLISM

The metabolism of styrene in the rat and the stimulatory effect of phenobarbital. Otsuji H, et al. Toxicol Appl Pharmacol 18:321-8, Feb 71

PHARMACODYNAMICS

[Action of some monomers in the industry of plastic materials. II. Quantitative variations of free amino acids] Moţoc F, et al. Rev Med Chir Soc Med Nat Iasi 75:155-64, Jan-Mar 71 (Rum)

POISONING

[Functional status of the kidneys in workers engaged in the production of divinylalphamethylstyrene rubber] Konstantinovskaia AS. Gig Tr Prof Zabol 14:10-2, Dec 70 (Rus)

TOXICITY

[Action of some chemical compounds on the protein composition of blood and bone marrow puncture sera] Faustov AS, et al. Gig Sanit 35:112-3, Aug 70 (Rus)

[Effect of styrol on some indices of natural immunity in laboratory animals] Kazakova VV. Gig Tr Prof Zabol 15:53-4, 1971 (Rus)

SUAVITIL see BENACTYZINE (D5)

SUBACUTE SCLEROSING PANENCEPHALITIS (C1, C10)

Subacute sclerosing panencephalitis. Can Med Assoc J 103:1192-3, 21 Nov 70

Subacute sclerosing panencephalitis. Med J Aust 1:882-3, 24 Apr 71

Subacute sclerosing panencephalitis viruses: induction of experimental encephalitis in hamsters. Lehrich JR, et al. Trans Am Neurol Assoc 95:51-6, 1970

[The relationship between subacute sclerosing panencephalitis and measles. Apropos of a case] Wattre P, et al. Ann Pediatr (Paris) 18:431-7, Jun-Jul 71 (Fre)

[Encephalitis in Carré's disease of dogs, experimental model for human neuropathology] Guillon JC, et al. Bull Acad Vet Fr 43:293-8, Jun 70 (Fre)

[Subacute sclerosing panencephalitis in Senegal: clinical and biologic study] Collomb H, et al. Bull Soc Med Afr Noire Lang Fr 15:434-41, 1970 (Fre)

[Subacute sclerosing leukoencephalitis - a rare disease picture?] Möller C. Kinderaerztl Prax 38:397-405, Sep 70 (Ger)

BLOOD

Serum gamma globulins in 84 typical cases of subacute sclerosing panencephalitis. Lowenthal A, et al. Neurology (Minneap) 21:277-80, Mar 71

CEREBROSPINAL FLUID

Immunofluorescent detection of measles-virus antigens in cerebrospinal-fluid cells in subacute sclerosing panencephalitis. Dayan AD, et al. Lancet 1:891-2, 1 May 71

Progressive increase in cerebrospinal fluid measles antibody levels in subacute sclerosing panencephalitis. Horta-Barbosa L, et al. Pediatrics 47:782-3, Apr 71

COMPLICATIONS

Retinal lesions in subacute sclerosing panencephalitis. Nelson DA, et al. Arch Ophthalmol 84:613-21, Nov 70

Subacute sclerosing panencephalitis in Down's syndrome. Haberland C. J Ment Defic Res 14:106-10, Jun 70

Chromosomes of cells cultured from brain tissue of a patient with subacute sclerosing panencephalitis. Amato RS, et al. Neurology (Minneap) 21:553-5, May 71

Ophthalmologic manifestations of subacute sclerosing panencephalitis (Dawson's encephalitis). Hiatt RL, et al. Trans Am Acad Ophthalmol Otolaryngol 75:344-50, Mar-Apr 71

Retinal lesions in subacute sclerosing panencephalitis. Nelson DA, et al. Trans Am Neurol Assoc 95:334, 1970

[Retinopathy in Van Bogaert's subacute sclerosing leukoencephalitis] Perdriel G, et al. Bull Soc Ophtalmol Fr 69:1067-70, Dec 69 (Fre)

[Chorioretinal lesions caused by subacute sclerosing leukoencephalitis (2 cases)] Collard M, et al. Rev Otoneuroophtalmol 43:25-31, Jan-Feb 71 (Fre)

DIAGNOSIS

Diagnosis and treatment of herpes encephalitis. A multidisciplinary approach. Rappel M, et al. J Neurol Sci 12:443-58, Apr 71

[Various aspects of virus encephalitis, specifically subacute sclerosing panencephalitis, and their relationships to electroencephalography] Notermans SL, et al. Maandschr Kindergeneeskd 38:193-205, Oct 70 (Dut)

[Like two peas in a pod] Krevelen DA van. Ned Tijdschr Geneeskd 114:1645-8, 3 Oct 70 (Dut)

[Specifity of rhythmical EEG discharge patterns in subacute sclerotic leukoencephalitis] Heye D, et al. Arch Kinderheilkd 181:107-18, 1970 (Ger)

[Subacute sclerosing leukoencephalitis simulating acute epidemic encephalitis (acute encephalitic parkinsonism) with marked development of morular cells and Russell bodies] Jacob H, et al. J Neurol Sci 12:137-53, Feb 71 (Ger)

ETIOLOGY

Serologic diagnosis of measles in subacute sclerosing panencephalitis. Furesz J. N Engl J Med 284:729-30, 1 Apr 71

[Subacute sclerosing panencephalitis. Its relations to measles] Vătă A, et al. Rev Med Chir Soc Med Nat Iasi 75:285-92, Apr-Jun 71 (35 ref.) (Rum)

[Laboratory studies of the etiology of ome viral encephalitides in children. Relation between measles and subacute sclerosing leukoencephalitis] Cajal N, et al. Stud Cercet Inframicrobiol 21:367-71, 1970 (Rum)

[Further aspects of the virus-host relationship in measles] Cernescu CD.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Stud Cercet Inframicrobiol 21:503-17, 1970 (90 ref.) (Rum)
[Demyelinating brain diseases in children] Mizikova IZ. Zh Nevropatol Psikhiatr 70:1472-7, 1970 (Rus)

IMMUNOLOGY

Measles immunoglobulins in subacute sclerosing panencephalitis. Connolly JH, et al. Br Med J 1:23-5, 2 Jan 71
Cellular hypersensitivity in subacute sclerosing panencephalitis. Mizutani H, et al. JAMA 216:1201-2, 17 May 71
Subtle immunologic abnormalities in four boys with subacute sclerosing panencephalitis. Gerson KL, et al. N Engl J Med 285:78-82, 8 Jul 71

METABOLISM

Glycoproteins in subacute sclerosing leukoencephalitis: isolation and carbohydrate composition of glycopeptides from human brain. Brunngraber EG, et al. J Neuropathol Exp Neurol 30:525-35, Jul 71

MICROBIOLOGY

Subacute sclerosing panencephalitis: isolation of a measles-like virus in tissue culture of brain biopsy. Kettyls GD, et al. Can Med Assoc J 103:1183-4, 21 Nov 70
Comparison of subacute sclerosing panencephalitis and measles viruses: an electron microscope study. Oyanagi S, et al. J Virol 7:176-87, Jan 71
Viruses in brain cells. Katz M. Lancet 2:437-8, 21 Aug 71
Subacute sclerosing panencephalitis: isolation of suppressed measles virus from lymph node biopsies. Horta-Barbosa L, et al. Science 173:840-1, 27 Aug 71
[Studies on the viral etiology of subacute sclerosing panencephalitis] Csonka E. Orv Hetil 111:2103-5, 6 Sep 70 (Hun)
[Subacute sclerosing panencephalitis] Kitayama T. Jap J Clin Med 29:1102-6, 1971 (10 ref.) (Jap)

PATHOLOGY

Histopathology and electron microscopy of three cases of subacute sclerosing panencephalitis (SSPE). Oyanagi S, et al. Acta Neuropathol (Berl) 18:58-73, 1971
Uncommon morphologic features in subacute sclerosing panencephalitis (SSPE). Report of two cases with virus recovery from one autopsy brain specimen. Parker JC Jr, et al. Am J Pathol 61:275-92, Nov 70
Subacute sclerosing panencephalitis (SSPE). A clinicopathologic study of the retinal lesions. Landers MB 3d, et al. Arch Ophthalmol 86:156-63, Aug 71
Subacute inclusion body encephalitis. (A case report). Bharucha PE, et al. Indian Pediatr 7:515-8, Sep 70
Infections of the human central nervous system by myxovirus-paramyxovirus following the attenuated measles virus vaccine. Parker JC, et al. J Neuropathol Exp Neurol 30:125, Jan 71
Electron microscopic observations in subacute sclerosing panencephalitis brain cell cultures: their correlation with cytochemical and immunocytological findings. Oyanagi S, et al. J Virol 6:370-9, Sep 70
[Neuropathologic study of 2 cases of subacute sclerosing panencephalitis in Senegal] Lemercier G, et al. Bull Soc Med Afr Noire Lang Fr 15:459-67, 1970 (Fre)
[Clinical and histopathological aspects of a case of subacute sclerosing leukoencephalitis] Canger R, et al. Rass Neuropsichiatr 22:408-23, Oct-Dec 68 (Ita)
[Case subacute sclerotic panencephalitis in an adult with diffuse pseudocalcification in the vascular wall of the cerebral and cerebellar white substance] Harada K. Psychiatr Neurol Jap 72:857-63, Sep 70 (Jap)

PHYSIOPATHOLOGY

Some considerations on the orienting reflex polygraphic features in a SSLE case during repetitive acoustical stimulation. Canger R, et al. Acta Neurol (Napoli) 26:225-34, Mar-Apr 71
EEG course of 4 years duration in the case of subacute sclerosing leucoencephalitis. Canger R, et al. Electroencephalogr Clin Neurophysiol 30:267-8, Mar 71
The effect of body temperature on the "periodic complexes" of subacute sclerosing leuconencephalitis (SSLE). Farrell DF, et al. Electroencephalogr Clin Neurophysiol 30:415-21, May 71
[Subacute sclerosing panencephalitis: electroencephalographic study (9 cases)] Collomb H, et al. Bull Soc Med Afr Noire Lang Fr 15:442-53, 1970 (Fre)
[Longitudinal study of the EEG aspects in a case of subacute sclerosing leucoencephalitis (Less)] Canger R, et al. Riv Neurol 39:529-52, Sep-Oct 69 (Ita)

SUBARACHNOID HEMORRHAGE (C8, C10, C17)

Intracranial aneurysms. Bailey WL, et al. JAMA 216:1993-6, 21 Jun 71
Subarachnoid hemorrhage. South Med J 64:321-9, Mar 71
Diagnosis and management of subarachnoid haemorrhage. Small JM. Trans Med Soc Lond 86:25-6, 1970
Subarachnoid haemorrhage. Williams D. Trans Med Soc Lond 86:20-5, 1970
[Objectivity or subjectivity in the rendering of expert opinions] Sjövall H. Munch Med Wochenschr 112:725-31, 17 Apr 70 (Ger)
[Subarachnoid hemorrhage] Barnabei B, et al. G Psichiatr Neuropatol 97:791-808, 1969 (Ita)
[Subarachnoid hemorhage] Kase M, et al. Naika 27:476-7, Mar 71 (Jap)

BLOOD

Glucose tolerance and plasma insulin levels in subarachnoid haemorrhage. Halipike JF, et al. Brain 94:151-64, 1971

CEREBROSPINAL FLUID

[CSF pressure changes in the acute phase of serious cranio-cerebral injuries under the climatic conditions of Turkmenistan] Volobuev IuM. Vopr Neirokhir 34:29-32, Sep-Oct 70 (Rus)

COMPLICATIONS

Hydrocephalus in child with von Willebrand's disease. Treatment by ventriculoperitoneal shunt. Cooper HA, et al. Am J Dis Child 121:340-3, Apr 71
Brain damage and personality change after subarachnoid haemorrhage. Storey PB. Br J Psychiatry 117:129-42, Aug 70
Adipsia and hypothermia after subarachnoid hemorrhage. Spiro SG, et al. Br Med J 3:411-2, 14 Aug 71
Results of a controlled trial of late surgical versus conservative treatment of intracranial arterial aneurysms. Troupp H, et al. J Neurosurg 35:20-4, Jul 71
Vasospasm in response to repeated subarachnoid hemorrhages in the monkey. Weir B, et al. J Neurosurg 33:395-406, Oct 70
Potassium and the pathogenesis of cerebral arterial spasm in dog and man. Wilkins RH, et al. J Neurosurg 35:45-50, Jul 71
Neurology of Vibrio fetus infection. Gunderson CH, et al. Neurology (Minneap) 21:307-9, Mar 71
[Algogenic and inflammatory factors in contamination of the cerebrospinal fluid with plasma] Bavazzano A, et al. Minerva Med 62:435-8, 3 Feb 71 (Ita)

DIAGNOSIS

Value of neurological and angiographic signs as indicators of the ruptured aneurysm in patients with multiple intracranial aneurysms. Marttila I, et al. Acta Neurochir (Wien) 23:95-102, 1970
Systemic lupus erythematosus presenting as subarachnoid haemorrhage and space occupying lesion. Casey EB, et al. Br J Dermatol 84:157-60, Feb 71
Subdural haematoma simulating primary subarachnoid haemorrhage. Gortvai P, et al. Br Med J 1:323-4, 6 Feb 71
Isotope cisternography in the evaluation of patients with subarachnoid hemorrhage. Williams JP, et al. J Nucl Med 11:592-6, Oct 70
False repeated subarachnoid hemorrhage. Its value in prognosis and management. Méndez J. Minerva Neurochir 15:8-13, 1971
[Echoencephalography studies of subarachnoid hemorrhage] Kunst H, et al. Fortschr Neurol Psychiatr 39:367-78, May 71 (Ger)
[Spontaneous versus traumatic lethal subarachnoid hemorrhage] Klages U. Z Rechtsmed 67:67-86, 1970 (169 ref.) (Ger)
[Subarachnoid hemorrhage] Tanabe H. Naika 27:1464-71, Jun 71 (Jap)
[A case of obliterative cystic arachnitis of the convexity of cerebral hemispheres imitating subarachnoid hematoma] Banach S, et al. Pediatr Pol 45:1387-9, Nov 70 (Pol)
[Diagnosis and treatment of subarachnoid hemorrhage in cranio-cerebral injury] Golovina EI, et al. Vestn Khir 102:77-81, May 69 (Rus)
[Subarachnoid-parenchymatous and parenchymatous-subarachnoid hemorrhages] Kanarefkin KF, et al. Zh Nevropatol Psikhiatr 71:12-7, 1971 (Rus)
[Rheoencephalographic studies in closed cranio-cerebral trauma] Ulitskif LA. Zh Nevropatol Psikhiatr 71:348-53, 1971 (Rus)

ETIOLOGY

Middle ear insufflation. Producing subarachnoid hemorrhage and EKG changes. Fischer JC, et al. Arch Otolaryngol 93:531-2, May 71
Seizures and recurrent subarachnoid hemorrhage due to a cryptic vascular malformation. Goodman SJ, et al. Bull Los Angeles Neurol Soc 36:11-20, Jan 71
Massive subarachnoid hemorrhage due to laceration of the vertebral artery associated with fracture of the transverse process of the atlas. Contostavios DL. J Forensic Sci 16:40-56, Jan 71
A true mycotic (Aspergillus) aneurysm leading to fatal subarachnoid hemorrhage in a patient with hereditary hemorrhagic telangiectasia. Case report. Davidson P, et al. J Neurosurg 35:71-6, Jul 71
Haemorrhagic adenomas of the pituitary gland: their clinical and radiological presentations and treatment. Dastur HM, et al. Neurol India 19:4-12, Mar 71
Combined arterial and arteriovenous aneurysms of the spinal cord. Herdt JR, et al. Radiology 99:589-93, Jun 71
[Meningeal hemorrhage in cerebral and spinal cord ependymoma] Gil R, et al. Bord Med 4:325-6 passim, Feb 71 (Fre)
[Subarachnoid hemorrhage in patients with ophthalmoplegic migraine. Case report] Barolin GS. Munch Med Wochenschr 110:2354-8, 11 Oct 68 (Ger)
[Subarachnoid hemorrhage after strangulation] Heidrich R. Z Aerztl Fortbild (Jena) 64:946-7, 15 Sep 70 (Ger)
[Endocarditis and subarachnoid hemorrhage] Agnoli A, et al. Z Neurol 199:295-305, 1971 (Ger)
[Successfully treated case of arteriovenous fistula of the middle meningeal vessels with subarachnoidal hemorrhage] Shibata T, et al. Brain Nerve (Tokyo) 22:1065-9, Sep 70 (Jap)
[Intracerebral hematomas in fatal subarachnoid hemorrhages due to rupture of intracranial aneurysms] Koniar-Danilewicz H. Pol Tyg Lek 26:905-7, 14 Jun 71 (Pol)
[Myelomacia and subarachnoid hemorrhage in a case of complete occlusion of the aortic isthmus] Markiewicz M, et al. Pol Tyg Lek 26:599-601, 19 Apr 71 (Pol)
[Subarachnoid-parenchymatous hemorrhages caused by rupture of aneurysms of the arteries at the base of the brain] Panov IE. Sud Med Ekspert 13:18-20, Apr-Jun 70 (Rus)

FAMILIAL & GENETIC

[The role of genotypic factors in the origin of hmorrhagic strokes] Davidekova EF, et al. Zh Nevropatol Psikhiatr 70:506-11, 1970 (Rus)

OCCURRENCE

Some aspects of subarachnoid haemorrhage in pregnancy. Robinson JL, et al. J Neurol Neurosurg Psychiatry 34:109, Feb 71

PATHOLOGY

[Clinicopathological studies of the autopsy cases of subarachnoid hemorrhage] Sakaki S, et al. Brain Nerve (Tokyo) 23:143-51, Feb 71 (Jap)

PHYSIOPATHOLOGY

Electroencephalographic and cerebral blood flow changes following spontaneous subarachnoid haemorrhage. Parkes JD, et al. Brain 94:69-76, 1971
Monitoring under anaesthesia, with reference to subarachnoid haemorrhage, and the T-wave as an electrocardiographic manifestation. McIntyre JW, et al. Can Anaesth Soc J 18:293-7, May 71
Arachnoid villi after subarachnoid blood. Aiksne JF. J Neuropathol Exp Neurol 30:135, Jan 71
The effects of subarachnoid blood on the electrocorticogram of the cat. Levitt P, et al. J Neurosurg 35:185-91, Aug 71
Cerebrospinal fluid circulation following subarachnoid hemorrhage. Rudd TG, et al. J Nucl Med 12:61-3, Feb 71
The acute effects of experimental head injury on the vertebrobasilar circulation: angiographic observations. McCullough D, et al. J Trauma 11:422-8, May 71
[Acute intracranial hypertension] Yamamoto S, et al. Brain Nerve (Tokyo) 23:259-67, Mar 71 (Jap)
[An electron microscope study of the passage of erythrocytes through the cerebral arachnoid in subarachnoid hemorrhage (experimental study)] Dobrovol'skif GF. Vopr Neirokhir 34:29-34, Mar-Apr 70 (Rus)

RADIOGRAPHY

Fine detail cerebral angiography. Gryspeerdt GL. Br J Radiol 44:564, Jul 71
Angiographic assessment of ventricular enlargement in subarachnoid haemorrhage. Front D, et al. J Neurol Sci 13:1-11, May 71
Arteriographic demonstration of spontaneous spinal subarachnoid hemorrhage. Case report. Janon EA. Radiology 97:385-6, Nov 70
[The moment for angiography after subarachnoid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hemorrhage] Kneissel H, et al.
Wien Med Wochenschr 120:863-5, 21 Nov 70 (Ger)
[Importance of angiographic tests in the diagnosis and treatment of arterial aneurysms] Gürkaynak A.
Turk Tip Cemiy Mecm 36:62-6, 1970 (Tur)
[Contribution of simultaneous carotid angiography to topical diagnosis] Drobný M, et al.
Cesk Neurol 34:211-4, Jul 71 (Slo)

SURGERY

Subarachnoid hemorrhage during pregnancy. Report of a patient. Wilson DH, et al.
Obstet Gynecol 37:527-9, Apr 71

THERAPY

[Subarachnoid hemorrhage] Tanabe H.
Naika 27:1464-71, Jun 71 (Jap)
[Diagnosis and treatment of subarachnoid hemorrhage in cranio-cerebral injury] Golovina EI, et al.
Vestn Khir 102:77-81, May 69 (Rus)

SUBARACHNOID SPACE (A8)

The fine structure of the peripheral nerve root sheath in the subarachnoid space in the rat and other laboratory animals. Haller FR, et al.
Am J Anat 131:1-19, May 71
Recurrent meningitis due to a congenital fistula through the stapes footplate. Schultz P, et al.
Am J Dis Child 120:553-4, Dec 70
Subarachnoid tympanic fistula due to a congenital defect in the stapedial footplate. Bennett RJ.
J Laryngol Otol 85:169-75, Feb 71
The subarachnoid space in congenital obstructive hydrocephalus. 1. Cisternographic findings. Milhorat TH, et al.
J Neurosurg 35:1-6, Jul 71
Prolonged post-lumbar puncture cerebrospinal fluid leakage from lumbar subarachnoid space demonstrated by radioisotope myelography. Lieberman LM, et al.
Neurology (Minneap) 21:925-9, Sep 71
[The primary empty sella turcica] Cristi G, et al.
Boll Sci Med (Bologna) 142:263-9, Jul-Sep 70 (Ita)
[Apparatus for measuring intracranial (cerebrospinal fluid) pressure and calculated subarachnoid administration of radioactive isotopes] Liass FM, et al.
Biull Eksp Biol Med 68:118-20, Jun 69 (Rus)
[Drainage of the subarachnoid space in acute suppurative meningitis] Moslichuk NM.
Vestn Otorinolaringol 32:102-3, Sep 70 (Rus)

ANATOMY & HISTOLOGY

Plastic casts of the subarachnoid space and cerebral vessels. Petersen EG, et al.
J Anat 108:441-6, Apr 71

DRUG EFFECTS

The subarachnoid space following the introduction of a foreign protein: an electron microscopic study with peroxidase. Shabo AL, et al.
J Neuropathol Exp Neurol 30:506-24, Jul 71

METABOLISM

Oxidation of beta-hydroxybutyrate infused into the cortical subarachnoid space. Spitzer JJ, et al.
Experientia 26:975-7, 26 Sep 70

PATHOLOGY

The subarachnoid space in congenital obstructive hydrocephalus. 2. Microscopic findings. Milhorat TH, et al.
J Neurosurg 35:7-15, Jul 71
[A case of diffuse carcinosis of the subarachnoid space] Ristić D, et al.
Med Pregl 23:219-21, 1970 (Ser)

RADIOGRAPHY

Air meatography. Isherwood I.
Br J Radiol 44:564-5, Jul 71
The neuroanatomical changes associated with dilated corpus callosal and distended ambiens cisterns. LeMay M, et al.
Br J Radiol 44:14-20, Jan 71
[The optochiasmic cistern and its contents] Fischgold H, et al.
J Radiol Electrol Med Nucl 50:121-34, Mar-Apr 69 (Fre)
[Improvement of panmyelography with a contrast media emulsion. (Preliminary report)] Pirker E.
Fortschr Geb Roentgenstr Nuklearmed 113:316-24, Sep 70 (Ger)

SURGERY

Kyphoscoliosis following lumbar subarachnoid shunts. Kushner J, et al.
J Neurosurg 34:783-91, Jun 71
A technique for repeated access to the subarachnoid space in the dog. Technical note. Redmond DE Jr, et al.
J Neurosurg 33:724-8, Dec 70

SUBCLAVIAN ARTERY (A7)

Mycotic aneurysm of the left subclavian and vertebral arteries. A complication of cervicothoracic sympathectomy. Flye MW, et al.
Am J Surg 122:427-9, Sep 71
Atraumatic detection of occlusive vascular disease in carotid and subclavian arteries by opacity pulse propagation techniques. Heck AF, et al.
Angiology 22:153-64, Mar 71
Calcified left supraclavicular mass. Guillermand JJ.
Chest 57:592-3, Jun 70
[Right subclavinan artery, an easy route to the aortic arch in general chemotherapy of malignant tumors. (apropos of 42 heart catheterizations of the ascending aorta] Ményé PA, et al.
Bull Soc Med Afr Noire Lang Fr 15:67-73, 1970 (Fre)
[Unusual site of a lost subclavian catheter] Ungern-Sternberg FW von.
Chirurg 42:331-2, Jul 71 (Ger)
[Occlussive process of subclavian artery as the cause of cerebral circulation disorders of the brain (subclavian steal syndrome)] Krüger BJ, et al.
Dtsch Med J 20:223-9, 5 Apr 69 (Ger)
[Pathology of subclavian artery] Cevese PG, et al.
Recent Progr Med (Roma) 49:164-200, Aug 70 (128 ref.) (Ita)
[Fracture of the clavicle complicated by occlusion of the subclavian artery] Dziak A, et al.
Chir Narzadow Ruchu Ortop Pol 35:735-8, 1970 (Pol)
[The cross-over venous graft in the treatment of obstructions of the trunks of the aortic arch and iliac arteries] Brunet P, et al.
Angiologia 23:55-8, Mar-Apr 71 (Spa)

ABNORMALITIES

Arterial anomalies causing compression of the trachea and-or the oesophagus. A report of 30 symptomatic cases. Eklöf O, et al.
Acta Paediatr Scand 60:81-9, Jan 71
Subclavian steal syndrome in right aortic arch with isolation of the left subclavian artery. Shuford WH, et al.
Am Heart J 82:98-104, Jul 71
An anomalous origin of the right subclavian artery in the dog. DeKleer VS.
Br Vet J 127:76-82, Feb 71
Repair of an aneurysm of an aberrant retroesophageal right subclavian artery arising from Kommerell's diverticulum. Campbell CF.
J Thorac Cardiovasc Surg 62:330-4, Aug 71
Definitive surgical treatment of the aberrant retroesophageal right subclavian artery in the adult. Pifarré R, et al.
J Thorac Cardiovasc Surg 61:154-9, Jan 71
Unusual case of dysphagia due to anomalous right subclavian artery. A new approach for operative treatment. Shumacker HB Jr, et al.
J Thorac Cardiovasc Surg 61:304-8, Feb 71
Congenital vascular ring: surgical considerations and results of operation. Wychulis AR, et al.
Mayo Clin Proc 46:182-8, Mar 71
Treatment of arteria lusoria sinistra in the adult. Thompson BW, et al.
Minn Med 53:891-4, Aug 70
Congenital bilateral "subclavian steal" blood flow pattern. Skalpe IO, et al.
Scand J Thorac Cardiovasc Surg 4:153-8, 1970
[Aberrant sub-clavicular arteries in children (20 cases)] Dupuis C, et al.
Arch Fr Pediatr 27:917-35, Nov 70 (Fre)
[Eso-tracheal compression caused by arterial malformations] Rivier A.
Pract Otorhinolaryngol (Basel) 33:93-109, 1971 (Fre)
[The subclavian steal phenomenon. Physiopathological principles and review of cases of congenital vascular anomalies] Di Giacomo V, et al.
Boll Soc Ital Cardiol 14:169-90, 1969 (Ita)
[Takayasu's syndrome in a patient with malformation of the supra-aortic trunk] Scultetus R, et al.
Osp Ital Chir 20:242-7, Mar 69 (Ita)
[Abnormal branching of the great vessels from the aortic arch] Lize I.
Folia Morphol (Warsz) 29:401-2, 1970 (Pol)
[Aortic coarctation with poststenotic genesis of both subclavian arteries] Romeo Orbegozo JM, et al.
Rev Clin Esp 115:61-4, 15 Oct 69 (Spa)

INJURIES

Total division of subclavian artery and vein. Robb JD.
Br J Surg 58:520-2, Jul 71
Traumatic injuries of great vessels. Bross W, et al.
J Cardiovasc Surg (Torino) 12:104-7, Mar-Apr 71
Another complication of subclavian puncture: arterial laceration. Goldman LI, et al.
JAMA 217:78, 5 Jul 71
The management of wounds of the innominate, subclavian and axillary arteries. Murray GF, et al.
Rev Surg 28:296-8, Jul-Aug 71
Management of woumds of the innominate, subclavian, and axillary blood vessels. Brawley RK, et al.
Surg Gynecol Obstet 131:1130-40, Dec 70
[Traumatic lesions of the aorta and large basis vessels] Vanetti A, et al.
Ann Chir Thorac Cardiovasc 9:65-72, Jan 70 (Fre)
[Traumatic lesions of the aorta and the large basal vessels] Neveux JY, et al.
Arch Chir Torac Cardiovasc 27:89-104, Apr-Jun 70 (Ita)
[2 cases of rupture of the subclavian and axillary arterial region in traumatic lesions of the shoulder] Trinchi E, et al.
Fracastoro 62:199-206, Mar-Apr 69 (Ita)
[Traumatic exfoliation of the subclavian artery intima with characteristic clinical manifestations] Popov VL.
Sud Med Ekspert 14:56, Jan-Mar 71 (Rus)

INNERVATION

The responses of aortic arch and right subclavian baroreceptors to changes of non-pulsatile pressure and their modification by hypothermia. James JE.
J Physiol (Lond) 214:201-23, Apr 71

PHYSIOLOGY

The effects of altering mean pressure, pulse pressure and pulse frequency on the impulse activity in baroreceptor fibres from the aortic arch and right subclavian artery in the rabbit. Angell James JE.
J Physiol (Lond) 214:65-88, Apr 71

RADIOGRAPHY

Arteriography in the diagnosis of osteogenic sarcoma. Peters JP, et al.
J Indiana State Med Assoc 63:1196-7, Oct 70
[Subclavian arteriography in the study of malformations of the supraclavicular fossa] Bories J, et al.
Ann Radiol (Paris) 13:693-704, 1970 (Fre)
[Takayasu disease with localization on small caliber arteries] Chermet J, et al.
Ann Radiol (Paris) 14:497-9, May-Jun 71 (Fre)
[Simultaneous retrograde bihumeral angiography in cervico-cephalic vascular exploration] Doyon D, et al.
J Radiol Electrol Med Nucl 51:521-2, Aug-Sep 70 (Fre)
[Opacification of the perispinal network of the cervical region with retrograde humeral arteriography (contribution of subtraction in bidirectionnal seriography)] Labauge R, et al.
J Radiol Electrol Med Nucl 51:592-8, Oct 70 (Fre)
[Intravenous aortography in the study of the subaortic branches] Picchiotti R, et al.
Ann Ital Chir 45:154-8, 1969 (Ita)

SURGERY

Intraoperative evaluation of surgical systemic-to-pulmonary artery shunts. Daicoff GR.
Ann Thorac Surg 11:97-101, Feb 71
Hemodynamics of carotid-subclavian bypass. Barner HB, et al.
Arch Surg 103:248-51, Aug 71
Severe pulmonary hypertension after Blalock-Taussig anastomosis in a patient with tetralogy of Fallot. Bernuth G von, et al.
Chest 58:380-3, Oct 70
[Abnormal origin of the left coronary artery in the arch of the pulmonary arter. A case successfully operated by reimplantation of the abnormal vessel into the left subclavian artery] Dubost C, et al.
Ann Chir Thorac Cardiovasc 8:385-90, Oct 69 (Fre)
[Subclavian-aortic by-pass in the treatment of isthmic coarctation of the aorta in aged patients] Pierangeli M, et al.
Cardiol Prat 20:403-8, Oct 69 (Ita)
[Subclavian aneurysm in connection with the cervical rib] Skagseth K Jr.
Nord Med 85:610-1, 13 May 71 (Nor)

SUBCLAVIAN STEAL SYNDROME (C8, C10)

Sub-clavian steal syndrome. (Report of a case). Moorthy SS, et al.
J Assoc Physicians India 18:1027-9, Dec 70
[Subclavian steal syndrome. A review. II. Clinical picture, diagnosis and therapy] Weiss K.
Cas Lek Cesk 110:305-8, Mar 71 (Cze)
[Subclavian steal syndrome. I. Etiology and pathophysiology. Review] Weiss K.
Cas Lek Cesk 109:1049-53, 30 Oct 70 (Cze)
[Subclavian steal syndrome: 12 surgically treated patients] Plante R, et al.
Union Med Can 99:1282-8, Jul 70 (Fre)
[Symptomatology of the subclavian-Steal syndrome] Möri H, et al.
Dtsch Gesundheitsw 25:1773-6, 17 Sep 70 (Ger)
[Iconographic cases of cardiovascular pathology not frequently encountered] Bazzi A, et al.
Quad Radiol 35:103-22, 26 Oct 69 (Ita)
Subclavian steal syndrome] Koga M.
Surg Ther (Osaka) 23:577-83, Nov 70 (Jap)
[The subclavian steal syndrome (SSS)] Ilebekk A.
Nord Med 85:610, 13 May 71 (Nor)

COMPLICATIONS

[Proximal polystenosis of the trunks of the aortic arch and the abdominal aorta in a 45-year-old woman] Godefroid M, et al.
Acta Cardiol (Brux) 25:86-99, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Eye changes in subclavian steal syndrome] Bettelheim H. Wien Klin Wochenschr 82:142-3, 20 Feb 70 (Ger)
[Current considerations on the surgical treatment of cerebrovascular insufficiency caused by an obliterating lesion at the extracranial level] Gillespie JA. Recent Progr Med (Roma) 49:351-9, Oct 70 (Ita)

DIAGNOSIS

Ophthalmodynamography and ophthalmodynamometry in the aortic-arch and the subclavian-steal syndromes. Follmann P, et al.
Acta Chir Acad Sci Hung 11:149-61, 1970
Otologic aspects of the Subclavian Steal Syndrome. Shapiro S. Eye Ear Nose Throat Mon 50:94-6, Mar 71
Ophthalmodynamography and ophthalmodynamometry in the diagnosis of obliterations of the supraaortic branches. Follmann P, et al.
J Cardiovasc Surg (Torino) 12:33-9, Jan-Feb 71
[Our experience with the subclavian steal syndrome. (Evaluation of 22 own cases)] Weiss K, et al. Cesk Neurol 33:233-42, Sep 70 (Cze)
[Subclavian steal syndrome] Fiebach O, et al. Munch Med Wochenschr 113:5-11, 1 Jan 71 (Ger)
[The subclavian steal phenomenon. Physiopathological principles and review of cases of congenital vascular anomalies] Di Giacomo V, et al.
Boll Soc Ital Cardiol 14:169-90, 1969 (Ita)
[Diagnosis of subclavian steal syndrome] Belardi P, et al. Minerva Cardioangiol 18:471-5, Aug 70 (Ita)

ETIOLOGY

Congenital anatomic potentials for subclavian steal. Becker AE, et al. Chest 60:4-13, Jul 71
[Occlusive process of subclavian artery as the cause of cerebral circulation disorders of the brain (subclavian steal syndrome)] Krüger BJ, et al.
Dtsch Med J 20:223-9, 5 Apr 69 (Ger)

PATHOLOGY

Congenital bilateral "subclavian steal" blood flow pattern. Skalpe IO, et al.
Scand J Thorac Cardiovasc Surg 4:153-8, 1970

PHYSIOPATHOLOGY

The regulation of cerebral blood circulation in subclavian steal syndrome. Solti F, et al.
Circulation 42:1185-91, Dec 70

RADIOGRAPHY

Subclavian steal syndrome in right aortic arch with isolation of the left subclavian artery. Shuford WH, et al. Am Heart J 82:98-104, Jul 71
Stroke prevention by early recognition of correctable cerebrovascular ischemia. Henzel JH, et al.
Mo Med 68:321-7 passim, May 71
[Angiographic exploration of hemo-diversions in neck arteries of cerebral destination (16 cases of subclavian steal syndrome)] Labauge R, et al.
J Radiol Electrol Med Nucl 50:200-10, Mar-Apr 69 (Fre)
[Two special cases of subclavian steal syndrome] Fráter L.
Fortschr Geb Roentgenstr Nuklearmed 114:469-72, Apr 71 (Ger)
[Traumatic subclavian steal syndrome] Leicht E, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:629-33, May 70 (Ger)
[Dextroposition of the aortic arch with a functional subclavian steal syndrome. Subtraction technics in thoracic angiography] Teske HJ.
Fortschr Geb Roentgenstr Nuklearmed 113:391-2, Sep 70 (Ger)

SURGERY

Hemodynamics of carotid-subclavian bypass. Barner HB, et al. Arch Surg 103:248-51, Aug 71
[Problems of anesthesia and resuscitation in surgery of the aorta and its bracches] Tarazzi R, et al.
Minerva Anestesiol 36:509-31, Aug 70 (Ita)

SUBCLAVIAN VEIN (A7)

Subclavian vein catheterisation. Telivuo L, et al. Ann Chir Gynaecol Fenn 60:53-6, 1971
Fibrin sleeve formation on indwelling subclavian central venous catheters. Hoshal VL Jr, et al. Arch Surg 102:253-8, Apr 71
Infraclavicular subclavian vein catheterization. Shanahan MX, et al. Aust NZ J Surg 40:119-23, Nov 70
Transvenous cardiac pacing. Experience of a percutaneous supraclavicular approach. Macaulay MB, et al. Br Med J 4:207-9, 24 Oct 70
Subclavian vein catheterization. Nowill WK, et al. Can Anaesth Soc J 18:328-32, May 71
Percutaneous infraclavicular subclavian venipuncture. Safe technique and experiences with results on 200 consecutive subclavian catheterizations. King CY. Int Surg 55:441-7, Jun 71
Subclavian-axillary vein thrombosis following implantation of a pacemaker catheter in the internal jugular vein. Griepp RB, et al.
J Thorac Cardiovasc Surg 60:889-92, Dec 70
Fogarty balloon catheter for removal of catheter fragment in subclavian vein. Mathur AP, et al.
JAMA 217:481, 26 Jul 71
Subclavian catheterization precaution. Moore JW.
JAMA 217:1867, 27 Sep 71
Subclavian venipuncture: preventable complications; report of two cases. Johnson CL, et al.
Mayo Clin Proc 45:712-9, Oct 70
Subclavian venous thrombosis secondary to indwelling cathers. McDonough JJ, et al.
Surg Gynecol Obstet 133:397-400, Sep 71
[Punctures of the subclavian vein. (Experience with 1,500 cannulations of the subclavian vein)] Baštecký J, et al. Vnitr Lek 17:775-81, Aug 71 (Cze)
[Collateral circulation in thrombotic obstruction of the subclavian vein] Sieberns H.
Fortschr Geb Roentgenstr Nuklearmed 114:801-12, Jun 71 (Ger)
[Special significance of the vena-subclavia-cava catheter in intensive therapy. Clinical and pathologic-anatomical aspects] Dahlmann W.
Hippokrates 41:416-7, Sep 70 (Ger)
[Over-exertion thrombosis of the axillary vein and the subclavian vein] Saborowski F.
Med Klin 65:1939-41, 30 Oct 70 (Ger)
[Thrombosis of the vena subclavia following transvenous pacemaker implantation] Balu J, et al.
Radiologe 11:50-3, Feb 71 (Ger)
[Primary thrombosis of the subclavian vein] Jacovella G, et al. G Ital Cardiol 1:159-63, 1971 (Ita)
[Post-traumatic thrombosis of both the axillary and subclavian veins] Szczawiński A, et al.
Pol Przegl Chir 43:217-22, Feb 71 (Pol)
[Control for hemodynamic indices during catheterization of the subclavian vein] Nedashkovskiĭ EV, et al. Kardiologiia 11:130-1, Feb 71 (Rus)
[Puncture catheterization of the subclavian veins] Nedashkovskiĭ EV, et al.
Khirurgiia (Mosk) 47:34-6, Feb 71 (Rus)
[Catheterization of the subclavian vein in emergency pediatrics] Moldavskiĭ AM.
Pediatriia 49:8-11, Nov 70 (Rus)
[Treatment of thrombosis of the subclavian-axillary vein] Mianniste IuE, et al.
Sov Med 33:79-82, Dec 70 (Rus)

ANATOMY & HISTOLOGY

Anatomic relationships of the right subclavian vein. A radiologic study pertinent to percutaneous subclavian venous catheterization. Land RE.
Arch Surg 102:178-80, Mar 71

INJURIES

Total division of subclavian artery and vein. Robb JD.
Br J Surg 58:520-2, Jul 71
Management of woumds of the innominate, subclavian, and axillary blood vessels. Brawley RK, et al.
Surg Gynecol Obstet 131:1130-40, Dec 70

SURGERY

Subclavian vein catheterizations: a prospective study. I. Non-infectious complications. Bernard RW, et al.
Ann Surg 173:184-90, Feb 71
Subclavian vein catheterizations: a prospective study. II. Infectious complications. Bernard RW, et al.
Ann Surg 173:191-200, Feb 71
Subclavian venipuncture and its complications. Fontenelle LJ, et al. Ann Thorac Surg 11:331-5, Apr 71
Temporary cardiac pacing using the subclavian vein. Evans DW, et al. Br Med J 4:680, 12 Dec 70
[Supraclavicular technic of subclavian vein puncture for the anesthesist] Defalque R, et al.
Anaesthesist 19:197-9, Jun 70 (5 ref.) (Ger)
[Restoration of patency of the subclavian vein in the Paget-Schroetter syndrome] Myszka S, et al.
Pol Przegl Chir 43:757-60, May 71 (Pol)

SUBCONSCIOUS see UNCONSCIOUS

(PSYCHOLOGY) (F1, F2)

SUBGINGIVAL CURETTAGE (E4, E6)

see also related
PERIODONTITIS (C4)

Sequelae following the use of eugenol or non-eugenol dressings after gingivectomy and subgingival curettage. Oliver WM, et al.
Dent Pract Dent Rec 21:49-52, Oct 70
Role of periodontal surgery. Cohen DW.
J Dent Res 50:212-8, Mar-Apr 71
Review of Cohen. "Role of periodontal surgery". Waerhaug J. J Dent Res 50:219-24, Mar-Apr 71
[Curettage in periodontology] Bernimoulin JP.
Acta Stomatol Belg 67:525-37, 1970 (Fre)
[Curettage] Le Moine C.
Dent Cadmos 37:39-51, Jan 69 (Ita)
[Use of oxygen in the treatment of parodontosis] Mironenko GS. Voen Med Zh 11:68-70, Nov 70 (Rus)

HISTORY

Leonard Widman: surgical treatment of pyorrhea alveolaris. (Widman L), Everett FG, et al.
J Periodontol 42:571-9, Sep 71

INSTRUMENTATION

Retraction hooks, suture covers and dressing retainers for flap procedures. Hirschfeld L.
J Periodontol 42:75-8, Feb 71
[Subgingival scaling by "pushing"--or the Mendez Diz mini-forge] Petit H.
Actual Odontostomatol (Paris) 24:409-16, Sep 70 (Fre)

SUBJECT HEADINGS (L)

[Classification and thesaurus] Brunet P.
Presse Med 78:2032, 31 Oct 70 (Fre)

SUBLIMINAL PERCEPTION see under

SUBLIMINAL STIMULATION (F1)

SUBLIMINAL STIMULATION (F1)

An experimental technique for the study of unconscious conflict. Silverman LH.
Br J Med Psychol 44:17-25, Mar 71
Subliminally stimulated brain and verbal responses of twins differing in repressiveness. Fritzler DE, et al.
J Abnorm Psychol 76:39-46, Aug 70
Motor response latency as an indicator of subliminal affective stimulation. Watson GB.
J Gen Psychol 82:139-43, Apr 70
An exploratory study of the effects of emotionally toned incidental stimuli. Wachtel PL, et al.
J Pers 38:467-81, Dec 70
Monocular and binocular responses to liminal and subliminal stimuli. Zingirian M, et al.
Ophthalmologica 162:41-50, 1971
[Perception and subliminal reactions to unrecognized stimuli] Kostandov EA.
Zh Vyssh Nerv Deiat 20:441-9, Mar-Apr 70 (Rus)

SUBLINGUAL GLAND (A3)

[Cylindroma. Apropos of a case of cylindroma of the sublingual salivary gland] Mazzoli M.
Arch Ital Patol Clin Tumori 12:41-55, Jan-Jun 69 (Ita)

ANALYSIS

Intracellular distribution of mucosubstances in the major sublingual gland of the rat. Enomoto S, et al.
Anat Rec 169:71-95, Jan 71

METABOLISM

Studies on the origin of urea in submaxillary and sublingual glands of the rat. Swiątkowska B, et al.
Acta Biochim Pol 17:203-8, 1970

PHYSIOLOGY

Electrolyte concentrations in primary and final saliva of the rat sublingual gland studied by micropuncture and catheterization techniques. Martin CJ, et al.
Pflugers Arch 324:344-60, 1971

RADIOGRAPHY

Sialography of the sublingual gland. A modified technique enabling subtraction. Lillequist B, et al.
Acta Radiol [Diagn] (Stockh) 10:187-92, May 70

SECRETION

Isoelectric separation of proteins after in vitro cultivation of sublingual tissue. Jacobsen N.
Caries Res 5:23-4, 1971

SUBMANDIBULAR GLAND (A3)

Studies of the nerve growth factor by micro-complement fixations. Effects of physical, chemical and enzymatic treatments. Zanini A, et al.
Biochim Biophys Acta 229:724-9, 23 Mar 71
Salivary gland tumors in the parotid gland, submandibular gland, and the palate region. Eneroth CM. Cancer 27:1415-8, Jun 71
Isoelectric separation of proteins after in vitro cultivation of sublingual tissue. Jacobsen N, et al.
Caries Res 5:228-39, 1971
Effect of mouse submandibular gland extracts on survival of H-2 incompatible skin allografts. Kongshavn PA, et al. Immunology 19:363-7, Aug 70
Thymectomy and its effect on chemically induced submandibular neoplasms. Sheehan R, et al.
J Dent Res 50:961, Jul-Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Mixed tumor of the submandibular gland] Borghgraef C, et al. Acta Stomatol Belg 67:539-46, 1970 (Fre)
[Tumor of the submaxillary gland revealing a tumor of the cecum] Legros M, et al.
Ann Otolaryngol Chir Cervicofac 88:173-6, Mar 71 (Fre)
[Mixed tumors and cylindromas of the submaxillary gland: prognosis and treatment. Apropos of 11 cases] Gignoux M, et al.
J Fr Otorhinolaryngol 19:617-21, Oct 70 (Fre)
[Epithelioma with altered stroma of the submaxillary gland] Piaget F, et al.
J Fr Otorhinolaryngol 20:617-8, Apr 71 (Fre)
[Recurrent swelling of the submandibular glands] Rauch S.
Dtsch Med Wochenschr 96:519-20, 19 Mar 71 (Ger)
[Enzymatic characteristics of a spontaneous adenocarcinoma of the submaxillary gland of a C3H mouse] Frati L, et al.
Boll Soc Ital Biol Sper 45:568-72, 15 May 69 (Ita)
[The action of the epidermal growth factor (EGF) on mouse skin in normal and pathological conditions] Frati C. G Ital Dermatol 46:205-9, May 71 (Ita)
[Submaxillitis as a mixed laryngoiggical and stomatological disease] Soboleva VM.
Zh Ushn Nos Gorl Bolezn 30:91-3, May-Jun 70 (Rus)

ABNORMALITIES

[Anastomosis of the main excretory duct of the submandibular gland with the main excretory duct of the parotid gland] Černý L, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:389-90, Sep 70 (Ger)

ANALYSIS

Parotid and submaxillary calcium in human cystic fibrosis. Wotman S, et al.
Arch Oral Biol 16:663-5, Jun 71
Subunit structure and amino acid composition of mouse submaxillary gland nerve growth factor. Angeletti RH, et al. Biochemistry 10:463-9, 2 Feb 71
Immunological relatedness of nerve growth factors. Angeletti RH. Brain Res 25:424-7, 22 Jan 71
Early localization of 125-I-labelled human growth hormone in adrenals and other organs of immature hypophysectomized rats. Mayberry HE, et al.
Endocrinology 88:1309-17, Jun 71
An elastase inhibitor from canine mandibular gland. Geokas MC, et al. Experientia 26:942-3, 26 Sep 70
A comparative histochemical study of peroxidase activity in the submandibular glands of five mammalian species including man. Carlsöö B, et al.
Histochemie 26:80-8, 1971
Phospholipid content and aging in the submandibular salivary gland. Burzynski NJ.
J Dent Res 50:164, Jan-Feb 71
131I concentration in submandibular salivary glands of rats and mice. Stephen KW, et al.
J Dent Res 50:979, Jul-Aug 71
Aging in guinea pig salivary gland. Burzynski NJ.
J Gerontol 26:204-7, Apr 71
[Isolation and characterization of the secretory granules of the mouse submaxillary gland] De Campora E.
Boll Mal Orecch Gola Naso 88:125-30, 1970 (Ita)

ANATOMY & HISTOLOGY

[Anatomo-topographic aspects of the parotid region in dogs] Cecio A.
Acta Med Vet (Napoli) 16:483-506, Sep-Dec 70 (Ita)

BLOOD SUPPLY

Acetylcholine and functional vasodilatation in the submaxillary gland of the cat. Skinner NS Jr, et al.
Eur J Pharmacol 12:271-5, 1970
Vasodilator nerve fibres to the submaxillary gland of the cat. Karpinski E, et al.
Nature (Lond) 232:122-4, 9 Jul 71
Evaluation of blood flow in the submandibular gland of the dog by fractional uptake of ionic and particle tracers. Meyer MW.
Proc Soc Exp Biol Med 137:1054-9, Jul 71

CYTOLOGY

On the presence of particular nuclear inclusions in cells of various mammalian tissues. Motta P, et al.
Acta Morphol Acad Sci Hung 18:227-36, 1970
The fine structure of secretory granules in submandibular glands of the rat during early postnatal development. Kim SK, et al.
Anat Rec 168:463-75, Dec 70
Ultrastructural aspects of the main excretory duct of rat submandibular gland. Shackleford JM, et al.
Anat Rec 169:879-96, Apr 71
Ultrastructure of granules in the submaxillary gland of the guinea-pig. Heap PF, et al. J Anat 107:115-30, Jul 70
The effects of castration on the ultrastructure and the iodide-concentrating ability of mouse submaxillary salivary glands. Rogers AW, et al.
J Anat 109:51-62, May 71
Nerve terminals and cellular junctions in young and adult mouse submandibular glands. Yohro T.
J Anat 108:409-17, Apr 71
An ultrastructural study of the submandibular glands of the squirrel monkey, Saimiri sciureus. Cowley LH, et al. J Morphol 132:117-35, Oct 70
Properties of kallikrein-containing granules isolated from the submaxillary gland of the guinea-pig. Bhoola KD, et al. J Physiol (Lond) 210:421-32, Sep 70
Comparison of the ultrastructure of acinar cell granules of the submaxillary gland of the cat, dog, rabbit, rat and guinea-pig. Bhoola KD, et al.
J Physiol (Lond) 210:79P-81P, Sep 70
Submaxillary gland recovery from obstruction. I. Overall changes and electron microscopic alterations of granular duct cells. Tamarin A.
J Ultrastruct Res 34:276-87, Feb 71
Submaxillary gland recovery from obstruction. II. Electron microscopic alterations of acinar cells. Tamarin A. J Ultrastruct Res 34:288-302, Feb 71
Development of secretory units of mouse submandibular gland. Yohro T.
Z Zellforsch Mikrosk Anat 110:173-84, 1970
[Changes in the cellular morphology of the mouse submaxillary gland at rest and during stimulation] Fiori-Ratti L, et al.
Boll Mal Orecch Gola Naso 87:255-75, 1969 (Ita)
[Membrane potential of acinar cells of cat submaxillary salivary glands] Gutkin VI, et al.
Biofizika 15:857-62, Sep-Oct 70 (Rus)

DRUG EFFECTS

Hormonal effects on oxygen consumption and histology of submandibular glands of mice (Mus musculus). Wilborn WH. Comp Biochem Physiol 27:357-63, Oct 68
Further studies on the effect of isoproterenol on amino acid transport into rat submandibular gland. Ekfors T, et al. Exp Cell Res 66:11-6, May 71
Effect of fluorouracil on carcinogenesis of rat submandibular glands. Shklar G, et al.
J Dent Res 50:985, Jul-Aug 71
Effect of pilocarpine on RNA synthesis in the submandibular gland of the hamster. Tiber A.
J Dent Res 50:775, May-Jun 71
Effect of pilocarpine on protein synthesis in the hamster submandibular gland. Tiber A.
J Dent Res 49:Suppl:1551, Nov-Dec 70
Selective hypersensitivity to bradykinin in salivary glands with ligated ducts. Hilton SM, et al.
J Physiol (Lond) 211:37-48, Nov 70
Comparison of the effects of alpha-methyltyrosine on the noradrenaline stores of different peripheral organs of the rat. Swedin G.
Life Sci [I] 9:1249-59, 1 Nov 70
Experimental production of mucus-retention phenomenon in animals treated with isoproterenol. Araujo NS de, et al. Oral Surg 37:849-60, Jun 71
[Extraction of messenger RNA from the submaxillary gland of the mouse treated with testosterone] De Campora E.
Boll Mal Orecch Gola Naso 88:152-7, 1970 (Ita)
[The effect of vasopressin and pituitrin on the parotid and submaxillary glands] Iaremenko MS.
Biull Eksp Biol Med 68:73-5, Aug 69 (Rus)
[Effect of isoproterenol and sympathetic denervation on the salivary gland in rats] Szabó S.
Med Pregl 24:5-8, 1971 (Cro)

ENZYMOLOGY

Renin isozymes of extrarenal origin. Carretero OA, et al. Am J Physiol 220:1468-72, May 71
Glycopeptides isolated from bovine submaxillary mucin. Ozeki T, et al.
Arch Biochem Biophys 142:177-83, Jan 71
A comparative study of human parotid and submaxillary amylase. Lamberts BL, et al.
Arch Oral Biol 16:517-26, May 71
Lipase activity of rat submandibular salivary glands. Pritchard ET, et al. Arch Oral Biol 16:981-3, Aug 71
Biosynthesis of blood group active glycoproteins: a peptidyl: alpha-N-acetylgalactosaminyltransferase from human submaxillary gland and stomach mucosal tissue. Hearn VM, et al.
Biochem Biophys Res Commun 41:1279-86, 9 Dec 70
Pathways towards the ABH antigens of red cells and secretions. Watkins WM. Br J Haematol 21:352, Sep 71
Changes in catechol-O-methyl transferase activity in the rat submaxillary gland after surgical and pharmacological procedures. Broch OJ Jr, et al.
Br J Pharmacol 41:393P+, Feb 71
Effect of cobalt and vitamin B12 on the peroxidase and iodinating activity of mouse thyroid and submaxillary gland: in vitro stimulation of vitamin B12 coenzyme on the iodination of tyrosine. Banerjee RK, et al.
Endocrinology 88:1456-64, Jun 71
Growth-stimulating activities of mouse submaxillary esteropeptidases on chick embryo fibroblasts in vitro. Greene LA, et al. Exp Cell Res 64:387-95, Feb 71
Studies on salivary gland ribonucleases. I. Purification and properties of a ribonuclease from horse submaxillary gland. Hirose S, et al.
J Biochem (Tokyo) 69:951-63, May 71
Glycosylation of the A1 protein from myelin by a polypeptide N-acetylgalactosaminyltransferase. Identification of the receptor sequence. Hagopian A, et al. J Biol Chem 246:2519-23, 25 Apr 71
Fine structural localization of cholinesterase activity in the rat submandibular gland. Bogart BI.
J Histochem Cytochem 18:730-9, Oct 70
Monoamine oxidase: an approximation of turnover rates. Goridis C, et al. J Neurochem 18:1673-82, Sep 71
[Chromatographic study of estero-proteases in the mouse submaxillary gland] De Campora E.
Boll Mal Orecch Gola Naso 88:111-5, 1970 (Ita)
[Electrophoretic characterization of isoamylases: differences in newborn and adult rats] Pilleri G, et al.
Boll Soc Ital Biol Sper 45:755-6, 15 Jun 69 (Ita)

GROWTH & DEVELOPMENT

[Postnatal development of the submaxillary glandular duct] Tachibana T.
Shikwa Gakuho 71:252-65, Jan 71 (Jap)

IMMUNOLOGY

Immunological properties of ovine submaxillary glycoprotein. Gottschalk A, et al.
Hoppe Seylers Z Physiol Chem 352:117-24, Feb 71

INJURIES

[Comparative study of the distribution of mitoses in the regenerating submandibular gland of rats at early stages following resection and burns] Poradovskaia TP. Biull Eksp Biol Med 70:73-5, Dec 70 (Rus)

INNERVATION

The fine structure of the monkey submandibular gland with a special reference to intra-acinar nerve endings. Kagayama M. Am J Anat 131:185-95, Jun 71
The functional organization of the parasympathetic secretory innervation of the submandibular gland. Ekström J, et al. J Physiol (Lond) 213:727-40, Mar 71
Vasodilator nerve fibres to the submaxillary gland of the cat. Karpinski E, et al.
Nature (Lond) 232:122-4, 9 Jul 71
Functional innervation of rabbit salivary gland. Fritz ME. Proc Soc Exp Biol Med 137:776-9, Jul 71
[The effect of postganglionic sympathetic and parasympathetic denervation on the concentration of adrenaline and noradrenaline in the submaxillary glands] Gutkin VI, et al.
Fiziol Zh SSSR 56:413-8, Mar 70 (Rus)
[Effect of partial postganglionic parasympathetic and sympathetic denervation on the acetylcholine content and cholinesterase activity in submandibular salivary gland tissue] Gutkin VI.
Fiziol Zh SSSR 57:90-4, Jan 71 (Rus)
[Innervation of the dog submandibular gland] Maevskiĭ VE. Fiziol Zh SSSR 56:1483-9, Oct 70 (Rus)

METABOLISM

Studies on the origin of urea in submaxillary and sublingual glands of the rat. Swiatkowska B, et al.
Acta Biochim Pol 17:203-8, 1970
Calcium transport in the submandibular gland of the cat. Nielsen SP, et al.
Acta Endocrinol [Suppl] (Kbh) 155:214, 1971
Study on inactivation of gonadotropin influence of submandibular gland. Tokuoka Y.
Acta Obstet Gynaecol Jap 18:1-12, Jan 71
In vitro incorporation of [14C] L-leucine into monkey (Macaca irus) parotid and submandibular gland proteins. Jacobsen N. Arch Oral Biol 15:1163-9, Dec 70
Submandibular salivary gland lipid metabolism in the rat: incorporation of 14C-labelled fatty acid into lipids of slice and homogenate systems. Pritchard ET.
Arch Oral Biol 15:879-91, Sep 70
Lipid synthesis in subcellular particulates isolated from rodent submandibular salivary glands. Pritchard ET, et al. Arch Oral Biol 16:915-28, Aug 71
Localization of basic drugs in the submaxillary gland. Cho AK, et al. Biochem Pharmacol 18:2323-30, Oct 69
Synthesis and storage of epithelial-epidermal growth factor in submaxillary gland. Turkington RW, et al.
Cancer Res 31:252-6, Mar 71
Hormonal effects on oxygen consumption and histology of submandibular glands of mice (Mus musculus). Wilborn WH. Comp Biochem Physiol 27:357-63, Oct 68
Effect of isoproterenol on amino acid transport into rat salivary glands. Barka T. Exp Cell Res 64:371-9, Feb 71
Further studies on the effects of isoproterenol on RNA synthesis of salivary glands. Barka T.
Exp Cell Res 62:50-60, Sep 70
Studies on the subcellular site of the biosynthesis of N-glycoloyineuraminic acid in porcine submaxillary gland. Schauer R.
Hoppe Seylers Z Physiol Chem 351:1353-8, Nov 70
In vitro synthesis of immunoglobulin-A by salivary glands from animals of different species. Hurlimann J, et al. Immunology 21:101-11, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The effects of castration on the ultrastructure and the iodide-concentrating ability of mouse submaxillary salivary glands. Rogers AW, et al.
J Anat 109:51-62, May 71

Radioautographic and histochemical study of protein synthesis in the hamster submandibular gland. Tiber A. J Dent Res 50:837-45, Jul-Aug 71

Metabolic properties of mouse transplantable adenocarcinoma. II. Substrate utilization by homogenates. Floridi A, et al.
J Natl Cancer Inst 47:271-5, Aug 71

Protein metabolism and amino acid accumulation in the rat submaxillary gland during reduced sympathetic activity. Kidman AD, et al.
J Neurochem 18:817-26, Jun 71

Reduced variation of [3H]noradrenaline uptake into rat submaxillary glands by atropine pretreatment. Almgren O. J Pharm Pharmacol 22:631-2, Aug 70

On the mechanisms of 14C-nicotine distribution in rat submaxillary gland in vitro. Putney JW Jr, et al.
J Pharmacol Exp Ther 178:180-91, Jul 71

On the mechanisms of 14 C-salicylic acid distribution in rat submaxillary gland in vitro. Putney JW Jr, et al.
J Pharmacol Exp Ther 177:263-75, Apr 71

Consumption of kininogen in the submandibular salivary gland when activated by chorda stimulation. Gautvik KM, et al. J Physiol (Lond) 211:49-61, Nov 70

Some factors influencing stimulation-induced release of potassium from the cat submandibular gland to fluid perfused through the gland. Petersen OH.
J Physiol (Lond) 208:431-47, Jun 70

Formation of saliva and potassium transport in the perfused cat submandibular gland. Petersen OH.
J Physiol (Lond) 216:129-42, Jul 71

The effect of isoproterenol on protein synthesis in rat submandibular gland. Ekfors T, et al.
Lab Invest 24:197-202, Mar 71

Metabolic evaluation of sexual dimorphism. II. Effects of epinephrine and dibutyryl 3',5' cyclic AMP on glucose oxidation. Floridi A, et al.
Life Sci [I] 16:761-5, 1 Jul 71

[Turnover times of noradrenaline in various rat organs determined by the isotope method: comparison of the the results obtained from utilizaton of l and dl noradrenaline 3H] Bralet J, et al.
Pflugers Arch 323:297-309, 1971 (Fre)

[Histamine metabolism in the parotid and submandibular gland in man and several mammals] Gastpar H, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:293-300, 1971 (Ger)

[Experience with acoustic sensory stress. V. Behavior of sodium and potassium in the rat submandibular gland in audiogenic stress] Croce G, et al.
Boll Mal Orecch Gola Naso 87:300-6, 1969 (Ita)

[Metabolic changes in the rat submaxillary gland in acoustic sensory "stress". Introductory note] De Campora E, et al.
Boll Mal Orecch Gola Naso 88:195-200, 1970 (Ita)

[Effect of partial postganglionic parasympathetic and sympathetic denervation on the acetylcholine content and cholinesterase activity in submandibular salivary gland tissue] Gutkin VI.
Fiziol Zh SSSR 57:90-4, Jan 71 (Rus)

MICROBIOLOGY

Trutnov 139-66. An unusual actinomycetes combining the contradictory properties of the genera Nocardia and Actinomyces--the causative agent of submandibular mycetoma. I. Introduction. Scharfen J.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:43-51, 1971

PATHOLOGY

Epithelial and myoepithelial oncocytes. Ultrastructural study of a salivary gland oncocytoma. Askew JB Jr, et al. Arch Otolaryngol 93:46-54, Jan 71

Lymphocytic sialadenitis in the major and minor glands: a correlation in postmortem subjects. Chisholm DM, et al. J Clin Pathol 23:690-4, Nov 70

Ultrastructure of adenoid cystic carcinoma of salivary gland origin. Tandler B. Lab Invest 24:504-12, Jun 71

[Metastases of skin tumors in the parotid and submandibular lymphatic glands] Cerný L, et al.
Cas Lek Cesk 110:294-7, Mar 71 (Cze)

[Pathological morphology bf the submaxillary salivary glands affected by calculosis] Valetta G, et al.
Arch Stomatol (Napoli) 9:23-9, Jan-Mar 68 (Ita)

PHYSIOLOGY

Effect of pineal body on thyroid-thymus correlations. 131-I uptake by rat thymus and salivary gland. Csaba G, et al. Acta Med Acad Sci Hung 27:183-9, 1970

The renin system in mice. Effects of removal of kidneys or (and) submaxillary glands in different strains. Bing J, et al. Acta Pathol Microbiol Scand [A] 79:134-8, 1971

Regeneration of rat submandibular gland following partial extirpation. A light and electron microscopic study. Hanks CT, et al. Am J Anat 130:195-207, Feb 71

Submaxillary gland removal. Effects on glucose and insulin homeostasis. Garcia AR, et al.
Arch Otolaryngol 93:597-8, Jun 71

Evaporative cooling in the rat: differences between salivary glands as thermoregulatory effectors. Hainsworth FR, et al.
Can J Physiol Pharmacol 49:573-80, Jun 71

A microperfusion investigation of the effects of a sympathomimetic and a parasympathomimetic drug on water and electrolyte fluxes in the main duct of the rat submaxillary gland. Martin CJ, et al.
Pflugers Arch 327:303-23, 1971

Secretory transmembrane potentials in acinar cells from the cat submandibular gland during perfusion with a chloride-free sucrose solution. Petersen OH.
Pflugers Arch 323:91-5, 1971

A microperfusion investigation of bicarbonate secretion by the rat submaxillary gland. The action of a parasumpathomimetic drug on electrolyte transport. Young JA, et al.
Pflugers Arch 319:185-99, 1970

The effect of a sympatho- and a parasympathomimetic drug on the electrolyte concentrations of primary and final saliva of the rat submaxillary gland. Young JA, et al. Pflugers Arch 327:285-302, 1971

[Effect of ablation of the submaxillary glands and the administration of parotin on the growth of the young rat] Barthe D, et al.
C R Soc Biol (Paris) 164:1680-4, 1970 (Fre)

[Experimental study on the thymus and lymphatic system regulating factor in the mouse submandibular gland] Takeda T.
Bull Chest Dis Res Inst Kyoto Univ 3:130, Mar 70 (Jap)

[The organ specificity of the action of the so-called humoral factor] Babaeva AG, et al.
Biull Eksp Biol Med 65:90-2, 1968 (Rus)

[Comparative characeristics of salivary gland regeneration while undergoing stimulation in various mammals] Ovsepian AA.
Biull Eksp Biol Med 71:98-101, Mar 71 (Rus)

PHYSIOPATHOLOGY

Pilocarpine as a diagnostic aid in the scintillography of sialopathies. Tarkiainen E, et al.
Acta Otolaryngol (Stockh) 70:113-25, Aug 70

RADIOGRAPHY

[Sialography of the submandibular gland (critical considerations and case reports)] Romano GL.
Nunt Radiol Suppl 1:104+, 1968 (Ita)

[Submandibular sialography (technical note)] Romano GL. Nunt Radiol Suppl 1:124+, 1968 (Ita)

[Roentgenologic studies of diseases of submandibular salivary glands] Akhmedov BP, et al.
Stomatologiia (Mosk) 50:79-80, Jan-Feb 71 (Rus)

SECRETION

The effect of dinitrophenol on secretory potentials, secretion and potassium accumulation in the perfused cat submandibular gland. Petersen OH.
Acta Physiol Scand 80:117-21, Sep 70

Effects of arterial and venous occlusion on submaxillary gland secretion in rats. Suddick RP, et al. Arch Oral Biol 16:509-16, May 71

On the aggregation of a calcium precipitable glycoprotein from human submaxillary saliva. Bettelheim FA.
Biochim Biophys Acta 236:702-5, 29 Jun 71

The importance of extracellular sodium and potassium for acetylcholine-evoked salivary secretion. Petersen OH. Experientia 26:1103-4, 15 Oct 70

Action of ouabain on submaxillary secretion in the dog. Martínez JR. J Pharmacol Exp Ther 178:616-24, Sep 71

The dependence of the transmembrane salivary secretory potential on the external potassium and sodium concentration. Petersen OH.
J Physiol (Lond) 210:205-15, Sep 70

Secretory transmembrane potentials in acinar cells from the cat submandibular gland during perfusion with a chloride-free sucrose solution. Petersen OH.
Pflugers Arch 323:91-5, 1971

Secretory activity of the submaxillary gland in prepuberal and adult rats of both sexes. Perec C, et al.
Q J Exp Physiol 56:46-52, Jan 71

The effects of an inhibitor of Na plus -K plus -active transport on the secretory activity of rat submaxillary gland cell cultures. Gallagher JT, et al.
Z Zellforsch Mikrosk Anat 117:314-21, 1971

[The secretory activity of the submandibular salivary glands after removal of calculus] Sovoleva VM.
Stomatologiia (Mosk) 49:32-4, Nov-Dec 70 (Rus)

SURGERY

Hydrocephalus. Preliminary report of a new surgical approach. Holloway RM Jr, et al.
Arch Otolaryngol 93:568-72, Jun 71

Chronic obstructive sialadenitis. Marano PD, et al.
Oral Surg 31:316-20, Mar 71

Submaxiliary gland excision. Frable MA.
Surg Gynecol Obstet 131:1155-6, Dec 70

[Anatomical and surgical considerations in the intra-oral approach to Wharton's duct] Lepoivre M, et al.
Rev Port Estomatol Cir Maxilofac 11:239-48, Jan-Jun 70 (Fre)

TRANSPLANTATION

Testosterone protection against the lethal factor in grafts of the mouse submandibular gland. Lin CD, et al. Toxicon 9:299-300, Jul 71

SUBMARINE MEDICINE (G2)

see also related
SEALED CABIN ECOLOGY (G3)

The Harry G. Armstrong Lecture. Decompression sickness: advances and interpretations. Behnke AR.
Aerosp Med 42:255-67, Mar 71 (54 ref.)

The energy expenditure and food intake of the ship's company of a submarine. Southgate DA, et al.
Ergonomics 13:777-82, Nov 70

[Danger of venomous invertebrates in coralline oceanic environment. Protection during diving. Management and first aid] Ehrhardt JP, et al.
Rev Corps Sante Armees 11:859-85, Dec 70 (Fre)

[Underwater laboratory "Helgoland". A natural, scientific and technological pioneering enterprise] Kinne O. Naturwissenschaften 57:480-7, Oct 70 (Ger)

[Statistical data on a series of 103 cases of verified decompression sickness in the period from 1958 to 1969] Moretti G, et al.
Ann Med Nav (Roma) 75:365-86, Jul-Aug 70 (Ita)

[Rescue of humans from damaged underwater craft lying at depths of over 200 meters. Current status of the problem, future prospects and proposals] Moretti G. Ann Med Nav (Roma) 75:395-400, Jul-Aug 70 (Ita)

[Laboratory methods with the use of kits in the laboratories of submarine medicine] Freccero MT.
G Ig Med Prev 11:106-7, Jan-Jun 70 (Ita)

[Neuro-psychiatric problems of submarine hyperbarism. II. Hypercapnia in under-water immersion; physiopathologic and clinical observations, critical review and personal contribution] Ricci GC.
Riv Neurobiol 15:121-208, Jan-Mar 69 (Ita)

[Death of a diver from mechanical asphyxia during nitrogen narcosis] Titov AP.
Sud Med Ekspert 14:52-3, Apr-Jun 71 (Rus)

[Hygienic conditions of submarine expeditions and predicting morbidity] Alfimov NN, et al.
Voen Med Zh 8:71-3, Aug 70 (Rus)

[Decompression disorders under "safe pressures" or at "safe heights"] Elinskii MP.
Voen Med Zh 7:80-3, Jul 70 (Rus)

[State of the cardiovascular system during swimming in low latitudes] Nikitinskii IuB, et al.
Voen Med Zh 1:68-9, Jan 71 (Rus)

[Ensuring physiological well-being on submarine voyages] Sapov IA, et al.
Voen Med Zh 10:66-9, Oct 70 (Rus)

[Effect of a drop in barometric pressure on the course of the postoperative period under submarine conditions] Shapovalov AA.
Voen Med Zh 9:56-7, Sep 70 (Rus)

[Peripheral blood circulation in people remaining a long time in an open-type submarine laboratory] Akhlamov EA, et al.
Fiziol Zh 16:115-20, Jan-Feb 70 (Ukr)

SUBMAXILLARY GLAND see SUBMANDIBULAR GLAND (A3)

SUBMERSION see under IMMERSION (E5)

SUBPHRENIC ABSCESS (C1, C4)

Classification, diagnosis and treatment of subphrenic abscesses. Ariel IM, et al.
Rev Surg 28:1-21, Jan-Feb 71 (52 ref.)

COMPLICATIONS

[Pleuro-pulmonary manifestations of subphrenic abscesses. (On 40 cases)] Chebat J, et al.
J Fr Med Chir Thorac 22:565-84, Jul-Aug 68 (Fre)

DIAGNOSIS

Liver and lung scintiphotos for the detection of subdiaphragmatic abscess--an easy technique. Gallamore GD. J Nucl Med 12:144-5, Mar 71

OCCURRENCE

[Subphrenic abscesses in the autopsy material of the Department of Pathological Anatomy of the Silesian Medical Academy] Smigla K, et al.
Patol Pol 21:315-9, Jul-Sep 70 (Pol)

RADIOGRAPHY

[Radiologic exploration of subphrenic abscess

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(diagnostic and therapeutic value)] Heitz F, et al. J Radiol Electrol Med Nucl 50:Suppl 5:467, May 69 (Fre)

[Radiologic exploration of subphrenic abscess: diagnostic and therapeutic value] Heitz F, et al. J Radiol Electrol Med Nucl 50:785-92, Nov 69 (Fre)

SURGERY

Coccygectomy for drainage of pelvic abscesses after pelvic wounds. Winegarner FG. Am J Surg 121:249-50, Mar 71

Subphrenic abscess. Myths and facts. Halasz NA. JAMA 214:724-6, 26 Oct 70

[Our experience in therapy of subdiaphragmatic abscesses] Poleshchuk IS. Klin Khir 1:63-4, Jan 70 (Rus)

SUBSEPSIS ALLERGICA see WISSLER'S SYNDROME (C3, C12, C14)

SUBSEPSIS HYPERERGICA see WISSLER'S SYNDROME (C3, C12, C14)

SUBSTANCE P see under PEPTIDES (D10)

SUBSTANTIA GELATINOSA see under SPINAL CORD (A8)

SUBSTANTIA NIGRA (A8)

[Atrophy of the globus pallidus, substancia nigra, and nucleus subthalamicus. Akinetic syndrome with pallialia, oppositional rigidity and catatonia] Contamin F, et al. Rev Neurol (Paris) 124:107-20, Feb 71 (Fre)

ANALYSIS

Pigments in the red nucleus and substantia nigra in man and in representative old and new world monkeys. Schwyn RC, et al. Bol Estud Med Biol 26:139-60, Jan 70

Dopamine interdependence between the caudate nuclei. Chandu-Lali JA, et al. Exp Neurol 29:101-10, Oct 70

[Electron spin resonance (ESR) and infrared spectra of eye melanin and of the pigment in substantia nigra] Mikulski T. Acta Physiol Pol 21:219-25, Mar-Apr 70 (Pol)

ANATOMY & HISTOLOGY

[Individual anatomic differences in various subcortical brain formations of use in stereoencephalotomy] Margorin EM. Vopr Neirokhir 34:3-6, May-Jun 70 (Rus)

BLOOD SUPPLY

Neuronal vascular relationships in the zona compacta of normal and parkinsonian substantia nigra. Issidorides MR. Brain Res 25:289-99, 22 Jan 71

CYTOLOGY

The nigrotectal tract. An experimental study of its site of origin. Afifi AK, et al. Acta Anat (Basel) 77:67-77, 1970

Cytoarchitecture of the substantia nigra in the rat. Hanaway J, et al. Am J Anat 129:417-37, Dec 70

Cholinesterasic striatopallidal and striatonigral efferents in the cat and the monkey. Olivier A, et al. Brain Res 18:273-82, 3 Mar 70

An experimental electron microscopic study on the striatonigral projection in the cat. Grofová I, et al. Exp Brain Res 11:249-62, 1970

Observations on the fine structure of the substantia nigra in the cat. Rinvik E, et al. Exp Brain Res 11:229-48, 1970

DRUG EFFECTS

Quantitative recording of rotational behavior in rats after 6-hydroxy-dopamine lesions of the nigrostriatal dopamine system. Ungerstedt U, et al. Brain Res 24:485-93, 18 Dec 70

Caudate nucleus neurones: correlation of the effects of substantia nigra stimulaton with iontophoretic dopamine. Connor JD. J Physiol (Lond) 208:691-703, Jul 70

EMBRYOLOGY

Histogenesis of the substantia nigra, ventral tegmental area of Tsai and interpeduncular nucleus: an autoradiographic study of the mesencephalon in the rat. Hanaway J, et al. J Comp Neurol 142:59-73, May 71

METABOLISM

Light and electron microscopic autoradiography of substantia nigra of rat after intraventricular administration of tritium labelled norepinephrine, dopamine, serotonin and the precursors. Parizek J, et al. Z Zellforsch Mikrosk Anat 115:137-48, 1971

MICROBIOLOGY

Ultrastructure and significance of microorganisms found in the formalin-fixed brain from a case of Parkinsonism. Roy S, et al. Indian J Pathol Bacteriol 13:51-4, Apr 70

PATHOLOGY

Striatonigral degeneration. Clinical-pathological correlations and response to stereotaxic surgery. Andrews JM, et al. Arch Neurol 23:319-29, Oct 70

Histochemistry of adrenal bodies in Parkinson's disease. Jager WA den. Arch Neurol 23:528-33, Dec 70

Encephalitis with acute Parkinsonian syndrome and bilateral inflammatory necrosis of the substantia nigra. Bojinov S. J Neurol Sci 12:383-415, Apr 71

Underpigmentation of the substantia nigra in chronic disease in children. Spence AM, et al. Neurology (Minneap) 21:388-90, Apr 71

[Histological study on the intranuclear inclusions of the melanin-pigmented cells of the substantia nigra (supplement: on the intranuclear inclusions of the nerve cells of the loci cerulei). 2] Anraku S, et al. Brain Nerve (Tokyo) 22:1055-9, Sep 70 (Jap)

PHYSIOLOGY

Basal ganglia-diencephalon synpatic relations in the cat. II. Intracellular recordings from dorsal thalamic neurons during low frequency stimulation of the caudatothalamic projection systems and the nigrothalamic pathway. Frigyesi TL, et al. Brain Res 27:59-78, 19 Mar 71

An electrophysiological study of a topographical relationship between the caudate nucleus and the substantia nigra of the cat. Goswell MJ, et al. Brain Res 23:112-6, 29 Sep 70

Frontal and nigral lesions, neurotransmitters and behavioural responses in the rat. Iversen S. Brain Res 24:552, 18 Dec 70

The effect of surgical lesions to frontal cortex and substantia nigra on amphetamine responses in rats. Iversen SD. Brain Res 31:295-311, 20 Aug 71

Possible dopaminergic pathway from substantia nigra to putamen. York DH. Brain Res 20:233-49, 3 Jun 70

Sensitivity to haloperidol of caudate neurones excited by nigral stimulation. Feltz P. Eur J Immunol 14:360-4, May 71

Relation of contraversive turning to unilateral release of dopamine from the nigrostriatal pathway in rats. Arbuthnott GW, et al. Exp Neurol 30:484-91, Mar 71

The relationship between lesion site, dopamine neurons, and turning behavior in the rat. Crow TJ. Exp Neurol 32:247-55, Aug 71

Effect of nigral lesion on chlorpromazine-induced acceleration of dopamine synthesis from [14C]tyrosine. Nybäck H, et al. J Pharm Pharmacol 23:322-6, May 71

Behavioral effects of stimulation in the region of the substantia nigra. Arbuthnot GW, et al. J Physiol (Lond) 210:61P-62P, Sep 70

Effects of substantia nigra lesions on the locomotor and stereotypy responses to amphetamine. Simpson BA, et al. Nature [New Biol] 230:30-2, 3 Mar 71

[Cellular response to nigro-strial excitation: pharmacological tests by perfusion of the caudate nucleus surface] Feltz P. J Physiol (Paris) 62:Suppl 3:374, 1970 (Fre)

[Implications of the strio-nigro-striated ring in extrapyramidal function] Poirier LJ. Mars Med 108:177-82, 1971 (Fre)

[Changes in the amplitude of the startle reflex following lesions of substantia nigra] Cebulla M, et al. Acta Biol Med Ger 26:209-11, 1971 (Ger)

PHYSIOPATHOLOGY

Psychoactive agents in dogs with bilateral lesions in subcortical structures. Goldstein S, et al. Neurology (Minneap) 21:847-52, Aug 71

SUBTRACTION TECHNIC see under TECHNOLOGY, RADIOLOGIC (E1, E2, G2, J)

SUBVALVULAR STENOSIS, IDIOPATHIC HYPERTROPHIC see IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS (C8)

SUCCINATE DEHYDROGENASE (D9)

Electron microscopic demonstration of differences between succinic dehydrogenase activities of brain mitochondria in homogenates and mitochondrial fractions. Hajós F, et al. Acta Biochim Biophys Acad Sci Hung 5:19-24, 1970

A succinic dehydrogenase activity in "mesosomes" of Neurospora crassa. Koke JR, et al. Biochem Biophys Res Commun 42:576-82, 5 Feb 71

Succinate dehydrogenase. I. Purification, molecular properties, and substructure. Davis KA, et al. Biochemistry 10:2509-16, 22 Jun 71

Succinate dehydrogenase. II. Enzymatic properties. Hanstein WG, et al. Biochemistry 10:2517-24, 22 Jun 71

Stereochemical studies of the exchange and abstraction of succinate hydrogen on succinate dehydrogenase. Rétey J, et al. Eur J Biochem 14:232-42, Jun 70

Characterization of the membrane-bound succinic dehydrogenase of Micrococcus lysodeikticus. Pollock JJ, et al. J Bacteriol 107:230-8, Jul 71

Identification of the covalently bound flavin of succinate dehydrogenase as 8-alpha-(histidyl) flavin adenine dinucleotide. Walker WH, et al. J Biol Chem 245:4224-5, 25 Aug 70

Succinate dehydrogenase. 3. Stability and interaction with phosphatides. Cerletti P, et al. Lipids 5:953-7, Dec 70

[Aluminum and the succinate dehydrogenase activity of Escherichia coli] Villela GG, et al. Rev Bras Biol 31:49-52, May 71 (Por)

[Modelling the regulation by oxaloacetate of the succinate dehydrogenase reaction] Shvetsov IuN. Nov Med Priborostr 1:120-3, 1969 (Rus)

[Electronic analog model of the regulation of the succinate dehydrogenase reaction by oxaloacetate] Shvetsov IuN. Nov Med Priborostr 3:136-9, 1969 (Rus)

ANALYSIS

Acute enzyme histochemical changes in the zona glomerulosa of the rat adrenal cortex. 3. The effect of pretreatment with deoxycorticosterone acetate on the changes seen after peritoneal dialysis with 5 percent glucose or after total nephrectomy. Elema JD, et al. Acta Endocrinol (Kbh) 67:117-28, May 71

Histochemical studies on the enzymes of the uropygial gland. Bhattacharyya SP, et al. Acta Histochem (Jena) 39:318-26, 1971

Succinic dehydrogenase activity in skeletal muscle of normals and patients with dystrophia myotonica. Björntorp P, et al. Acta Med Scand 188:273-6, Oct 70

[Anatomy and histoenzymology of the thalamus] Gerebtzoff MA. Acta Neurol Belg 70:683-6, 1970

Effect of hemicerebellectomy upon the cytochemistry of neurons in the lateral vestibular nucleus. II. Effects on RNA content and succinoxidase activity in Deiters' neurons after warm and cold water irrigation. Blomstrand C, et al. Acta Otolaryngol (Stockh) 70:163-6, Sep 70

Histochemically demonstrable changes in lactate and succinate dehydrogenases in normal rabbits synovial membrane after injection of osmium. Möttönen M, et al. Acta Rheumatol Scand 17:79-84, 1971

Amino acid sequence at the active center of succinate dehydrogenase. Kenney WC, et al. Biochem Biophys Res Commun 41:488-91, 23 Oct 70

Studies on the mechanism of freezing damage to mouse liver using a mitochondrial enzyme assay. 3. Cryophyliaxis with dimethyl sulfoxide and enzyme localization. Fishbein WN. Cryobiology 8:293-9, Jun 71

The ultrastructural distribution of succinic dehydrogenase activity in the supraoptico-neurohypophyseal system of the rat. Hajós F, et al. Histochemie 24:120-6, 1970

The effect of dimethyl sulfoxide (DMSO) in the incubation medium for the cytochemical localization of succinate dehydrogenase. Makita T, et al. Histochemie 26:305-10, 1971

The in vivo effect of gossypol on cytochrome oxidase, succinoxidase, and succinic dehydrogenase in animal tissues. Meksongsee LA, et al. J Agric Food Chem 18:917-20, Sep-Oct 70

Demonstration of succinic dehydrogenase in the mesosomes of the mycelial phase of Paracoccidioides brasiliensis. Leiva S, et al. J Gen Microbiol 62:43-7, Jul 70

The chemoarchitectonics of the avian brain. Kusunoki T. J Hirnforsch 11:477-97, 1969-70

Histochemical localization of brain succinic semialdehyde dehydrogenase--a -aminobutyric acid degradative enzyme. Sims KL, et al. J Histochem Cytochem 19:405-15, Jul 71

Effects of botulinum toxin on the distribution of succinate dehydrogenase and phosphorylase in fast and slow skeletal muscles of the mouse. Duchen LW. J Neurol Neurosurg Psychiatry 33:580-5, Oct 70

Histochemical evaluation of enzymes in ameloblastic tumors--acanthomatous and granular-cell ameloblastoma. Mori M. J Oral Surg 28:825-31, Nov 70

Effects of two different regimes of moderate exercise upon the histochemical distribution of SDH in mouse calf muscles. Spurway NC, et al. J Physiol (Lond) 211:Suppl:2P-3P, Dec 70

The cytochemical localisation of succinic dehydrogenase in Trichophyton rubrum. De Souza EJ, et al. J Postgrad Med 16:160-2, Jul 70

The cytochemical demonstration and localisation of succinic dehydrogenase in Candida species. Filippone MA, et al. J Postgrad Med 16:209-11, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Respiration deficient mutants of Schizosaccharomyces Pombe I. Wolf K, et al. **Mol Gen Genet** 110:101-9, 1971

Colorimetric estimation of succinic dehydrogenase activity by neotetrazolium chloride as a tumor sensitivity test to chemotherapeutic agents. Ichihashi H, et al. **Nagoya J Med Sci** 33:247-56, Feb 71

Respiratory measurements of odontoblasts from rat incisors by a simple spectrophotometric micromethod. Linde A, et al. **Odontol Revy** 21:275-8, 1970

Determination of succinic oxidase activity in human skeletal muscle. Björntorp P, et al. **Scand J Clin Lab Invest** 26:145-50, Sep 70

Histochemical and functional correlations in anterior horn neurons of the cat spinal cord. Campa JF, et al. **Science** 171:198-9, 15 Jan 71

Modifications of the respiratory enzymes associated with chloroquine resistance in P. berghei. Howells RE, et al. **Trans R Soc Trop Med Hyg** 65:10-1, 1971

[Histochemical and biochemical study of the cerebellum of the cat. II. Cytochrome oxidase and succinate dehydrogenase activities] Toledano A, et al. **Ann Histochim** 15:219-29, Jul-Sep 70 (Fre)

[The function dependant localization of enzymes of energy metabolism in the skeletal muscle of the frog] Lorenz D, et al. **Acta Histochem (Jena)** 37:105-12, 1970 (Ger)

[Quantitative evaluation of the histochemical succinate dehydrogenase demonstration and its dependence upon different reaction conditions] Schmidt W, et al. **Acta Histochem (Jena)** 37:250-8, 1970 (Ger)

[Histochemical findings on the mucosa of the rectum and lower sigmoid] Petzold H, et al. **Dtsch Z Verdau Stoffwechselkr** 30:161-4, 1970 (Ger)

[Effect of biophysical factors on the redox processes and biological oxidation. Changes in the succinate dehydrogenase activity after the application of ultrasound] Belewa-Stalkowa R, et al. **Radiobiol Radiother (Berl)** 11:729-35, 1970 (Ger)

[Histochemical findings at small intestine biopsies] Petzold H, et al. **Z Gesamte Inn Med** 26:Suppl:39-41, 1 Mar 71 (Ger)

[On the electron microscope evidence of succinate dehydrogenase. I. The ferricyanide method for cytochemical localization of succinate dehydrogenase in the heart muscle of the rat] Wenzel J, et al. **Z Mikrosk Anat Forsch** 83:177-92, 1971 (Ger)

[Colorimetric evaluation of succino-dehydrogenase and transaminase activities in rat heart preserved in various experimental conditions] Frasson P, et al. **Boll Soc Ital Biol Sper** 46:572-6, 30 Jun 70 (Ita)

[Succinate dehydrogenase and transaminase activity in the normothermic, hypothermic and hyperbaric preservation of the rat hearts] Frasson P, et al. **Chir Patol Sper** 17:405-12, Dec 69 (Ita)

[Histochemical behavior of lactate dehydrogenase, succinate dehydrogenase and alkaline phosphatase of the kidney in experimental saturnism] Vimercati F, et al. **Med Lav** 61:154-61, Mar 70 (Ita)

[Histochemical studies on cryoretinopexy] Shirai A. **Acta Soc Ophthalmol Jap** 74:1067-73, Sep 70 (Jap)

[Effect of prodigiozan on the defense reaction of the organism at endonasal administration] Skurkovich GV, et al. **Antibiotiki** 15:648-52, Jul 70 (Rus)

[Effect of triftazin on the succinate dehydrogenase activity in the brain structures of rats] Markin VA, et al. **Farmakol Toksikol** 33:527-30, Sep-Oct 70 (Rus)

[Analysis of the lymphocyte population in the cytochemical study of alpha-glycerophosphate and succinate dehydrogenase in patients with occupational diseases] Sokolov VV, et al. **Probl Gematol Pereliv Krovi** 15:22-5, Aug 70 (Rus)

[Localization of succinate dehydrogenase in the hypothalamo-hypophyseal neurosecretory in system in the rat at the submicroscopic level] Khafosh F, et al. **Tsitologiia** 12:733-6, 1970 (Rus)

ANTAGONISTS & INHIBITORS

The inactivation of succinate dehydrogenase by bromopyruvate. Sanborn BM, et al. **Biochim Biophys Acta** 227:219-31, 10 Feb 71

The action of EDTA on the succinoxidase systems of liver mitochondria from lower vertebrates. Smith CL. **Comp Biochem Physiol** 25:805-20, Jun 68

Effect of nitrogen dioxide on the activities of cytochrome oxidase and succinic dehydrogenase on homogenates of some organs of the rat. Ramazzotto L, et al. **Life Sci [II]** 10:601-4, 8 Jun 71

[Histochemical findings on the gastric mucosa following administration of antibiotics] Hohlfeld R, et al. **Dtsch Z Verdau Stoffwechselkr** 30:157-60, 1970 (Ger)

[Effect of gramicidin C on the dehydration of substrates by bacteria] Bulgakova VG, et al. **Antibiotiki** 15:603-7, Jul 70 (Rus)

[Kinetics of inhibition of succinate oxidase by oxaloacetate] Zimakova NI, et al. **Biokhimiia** 35:973-82, Sep-Oct 70 (Rus)

BIOSYNTHESIS

Biogenesis of mitochondria. XVII. The role of mitochondrial and cytoplasmic ribosomal protein synthesis in the oxygen-induced formation of yeast mitochondrial enzymes. Vary MJ, et al. **Arch Biochem Biophys** 141:430-9, Dec 70

Influence of vitamin A on the distribution of succinic dehydrogenase in oral epithelium of the white rat. Franquin JC, et al. **J Periodontol** 41:639-43, Nov 70

Respiratory measurements of odontoblasts from rat incisors by a simple spectrophotometric micromethod. Linde A, et al. **Odontol Revy** 21:275-8, 1970

[Dependence of the activity of glycerin-3-phosphate oxidase and succinate dehydrogenase in E. coli on the growth of bacteria in different culture media] Kleitke B, et al. **Acta Biol Med Ger** 26:847-9, 1971 (Ger)

[Effect of protein synthesis inhibitors on the formation of mitochondrial enzymes during the aerobic adaptation of yeasts] Pinus EA, et al. **Biokhimiia** 35:1078-83, Nov-Dec 70 (Rus)

[Differences in the enzyme activity of abdominal cavity and lung macrophages] Dzhemukhadze NK, et al. **Dokl Akad Nauk SSSR** 185:1383-5, 21 Apr 69 (Rus)

BLOOD

Phytohemagglutinin-induced changes in cultured lymphocytes, in the course of some lymphoproliferative and reticuloproliferative diseases. II. Cytochemical determination of the activities of succinic dehydrogenase, acid phosphatase and nonspecific esterase, as well as of glycogen content. Kowalewski J, et al. **Pol Med J** 9:1100-4, 1970

[Succinate dehydrogenase activity in lymphocytes of peripheral blood in the course of pneumonia and acute respiratory infections in children] Lagno AP. **Pediatr Akush Ginekol** 1:10-1, Jan-Feb 71 (Ukr)

CHEMICAL SYNTHESIS

The synthesis of succinate-dehydrogenase riboflavin. Ghisla S, et al. **Angew Chem [Engl]** 9:642-3, Aug 70

METABOLISM

Succinoxidase activity in reticular neurons of hyperactive rats. Hartmann HA, et al. **Acta Neuropathol (Berl)** 16:154-60, 1970

Enzymatic and ultrastructural changes in subcellular fractions from developing rat brain. Piras MM, et al. **Acta Physiol Lat Am** 20:252-64, 1970

[Regulatory action of chlorpromazine on the activity of some dehydrogenases. Nagy A, et al. **Agressologie** 11:327-32, 1970

Renal mitochondrial enzymes in potassium depletion. Weiner MW, et al. **Am J Physiol** 221:613-7, Aug 71

Specificity of lipids and coenzyme Q in mitochondrial NADH and succin-oxidase of beef heart and S. cerevisiae. Lenaz G, et al. **Arch Biochem Biophys** 142:407-16, Feb 71

The influence of membranes on the temperature-induced changes in the kinetics of some respiratory enzymes of mitochondria. Raison JK, et al. **Arch Biochem Biophys** 142:83-90, Jan 71

Activation of succinate dehydrogenase by electron flux from NADH and its possible regulatory function. Gutman M, et al. **Biochem Biophys Res Commun** 42:1016-23, 19 Mar 71

Factors influencing the activity of succinate dehydrogenase in membrane preparations from Micrococcus lysodeikticus. Owen P, et al. **Biochem J** 120:237-43, Nov 70

Effect of neonatal thyroidectomy on enzymes in subcellular fractions of rat brain. Szijan I, et al. **Brain Res** 20:313-8, 3 Jun 70

The peculiarities of atrial myocardial metabolism during fibrillation in patients with mitral stenosis. A histochemical study. Shperling ID, et al. **Cor Vasa** 13:117-23, 1971

Influence of high cholesterol diet on some liver enzymes. Sapre N, et al. **Enzymologia** 40:64-70, 31 Jan 71

Studies with ubiquinone-depleted submitochondrial particles. Effects of extraction and reincorporation of ubiquinone on the kinetics of succinate dehydrogenase. Rossi E, et al. **Eur J Biochem** 16:508-13, Nov 70

The dynamic nature of the so-called "fiber types" of nammalian skeletal muscle. Guth L, et al. **Exp Neurol** 31:227-300, May 71

Action of sodium dodecyl sulfate on electron transport enzymes of Rhodospirillum rubrum. Boll M. **Experientia** 26:956-7, 26 Sep 70

Histochemical differentiation of skeletal muscle fibres in the bovine foetus. Ommer PA. **Experientia** 27:173-4, 15 Feb 71

Calcium sensitivity of succinate and pyruvate dehydrogenase in the denervated amphibian skeletal muscle. Reddy NB, et al. **Experientia** 26:1293-4, 15 Dec 70

Male infertility: histochemical changes in the subhuman primate tests after prolonged immobilization. Cockett AT, et al. **Fertil Steril** 22:565-72, Sep 71

The effect of the phenoxyacetic acid derivatives on the enzymatic activity of the placenta in guinea-pigs. Humiczewska M, et al. **Folia Histochem Cytochem (Krakow)** 9:77-83, 1971

Experimental investigations on the microclimate of tobacco fermentation chambers. II. Histochemical changes in the adenosintriphosphatase and succinedehydrogenase activity in the cerebrum of rabbits. Dragiev M, et al. **Folia Med (Plovdiv)** 12:136-41, 1970

The histochemical demonstration of myoglobin and succinic dehydrogenase activity in the tibialis anterior muscle of the rabbit. James NT. **Histochemie** 26:327-32, 1971

Ultrastructural localization of succinate dehydrogenase in mouse liver mitochondria; a cytochemical study. Kalina M, et al. **J Histochem Cytochem** 19:124-30, Feb 71

Mg-ATPase and succinate dehydrogenase in brains from hypothermic ground squirrels and rats. Stewart LC, et al. **J Neurochem** 17:285-7, Feb 70

Induction of a specific enzyme inadequacy in infant rats by the use of a homologue of riboflavin. Kim YS, et al. **J Nutr** 101:819-29, Jun 71

Theory for the mechanism of chloroquine resistance in rodent malaria. Howells RE, et al. **Nature (Lond)** 228:625-8, 14 Nov 70

Histochemical classification of anterior horn neurons. Campa JF, et al. **Neurology (Minneap)** 20:386, Apr 70

Effects of protein-calorie ratio on liver enzyme concentration in young weanling rats. Guttikar MN, et al. **Nutr Metab** 12:136-43, 1970

Succinate dehydrogenase activity of rat heart muscle mitochondria during development. Skála J, et al. **Physiol Bohemoslov** 19:15-7, 1970

Control of aldolase and succinic dehydrogenase activity in the plantar muscles of white rats exposed to cold. Ibbetson RM. **Proc R Ir Acad [B]** 67:281-90, 1969

Effect of ionizing radiation on the succinate dehydrogenase activity of rat liver. Jordana R, et al. **Rev Esp Fisiol** 27:163-4, Jun 71

[Effect of physical training on mitochondrial energy production in heart muscle and liver] Kraus H, et al. **Pfluegers Arch** 320:334-47, 1970 (Ger)

[Histoenzymologic study of the muscles in Steinert's disease] Scarlato G, et al. **Acta Neurol (Napoli)** 25:524-7, Sep-Oct 70 (Ita)

[Metabolic changes in the rat submaxillary gland in acoustic sensory "stress". Introductory note] De Campora E, et al. **Boll Mal Orecch Gola Naso** 88:195-200, 1970 (Ita)

[Enzymohistochemic picture of the liver and phototherapy] Quazza GF, et al. **Minerva Pediatr** 21:1233-41, 7 Jul 69 (Ita)

[Histochemical studies of some respiratory enzymes in the course of the regeneration of the gingiva following surgery in guinea pigs] Jarzynka W, et al. **Czas Stomatol** 24:451-7, 1971 (Pol)

[Effect of Ovosiston upon the succinic and lactic dehydrogenases in human chorion samples] Wawryk R, et al. **Ginekol Pol** 41:1203-5, Nov 70 (Pol)

[Action of thymic lipid extract B on adenosine triphosphatase and succinate dehydrogenase of the liver of rats with Guerin tumors] Juvină E, et al. **Stud Cercet Endocrinol** 22:35-9, 1971 (Rum)

[Histoenzymochemical properties of the kidneys in acute renal insufficiency] Bialik VL, et al. **Arkh Patol** 32:16-23, 1970 (Rus)

[Activation of submitochondrial particles by succinate] Saks VA, et al. **Biokhimiia** 35:797-801, Jul-Aug 70 (Rus)

[Succinoxidase and alkaline phosphatase activity in experimental cerebral mycosis] Aravitskiĭ RA. **Biull Eksp Biol Med** 65:114-8, May 68 (Rus)

[Change in the activity of certain enzymes in various strata of the rat kidney in experimental nephritis] Dobrinskaia MA, et al. **Biull Eksp Biol Med** 68:52-5, Sep 69 (Rus)

[Activity of succinate dehydrogenase of the rat brain and liver in hypothermia and after rewarming] Eliseev VA. **Biull Eksp Biol Med** 68:43-4, Oct 69 (Rus)

[Glycogen concentration and succinate dehydrogenase activity in HEp-2 cells infected by RNA-containing Coxsackie virus B3] Erman BA, et al. **Biull Eksp Biol Med** 66:50-2, Nov 68 (Rus)

[The morphology and histochemistry of the hemochorial placentas of white rats following nitrobenzene poisoning of the mother] Kazanina SS. **Biull Eksp Biol Med** 65:93-6, 1968 (Rus)

[Succinate dehydrogenase and cytochrome oxidase activity in an injured sensory neuron] Baranov VF, et al. **Dokl Akad Nauk SSSR** 187:443-5, 11 Jul 69 (Rus)

[The effect of adrenocorticotropic hormone on renal oxygen tension] Korkach VI. **Fiziol Zh SSSR** 56:1055-8, 1970 (Rus)

[Effect of toxic substances formed during tobacco fermentation on the adenosinetriphosphatase and succinate dehydrogenase activity of rabbit liver, kidney, heart and brain] Dragiev M, et al. **Gig Tr Prof Zabol** 15:32-5, 1971 (Rus)

[Histochemical study of the activity of redox enzymes in the myocardium outside the zone of circulatory disorders] Cherpachenko NM. **Kardiologiia** 11:102-5, Jan 71 (Rus)

[Activity of some enzymes of tissue respiration in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

developing resistance to DDT in Musca domestica under the effect of sublethal doses] Iaguzhinskaia LV, et al. Med Parazitol (Mosk) 38:331-7, May-Jun 69 (Rus)
[Cytochemistry of rabbit lymphocyte- succinate dehydrogenase during immunogenesis] Nartsissov RP, et al.
Patol Fiziol Eksp Ter 14:50-6, Nov-Dec 70 (Rus)
[Enzyme reactions in the lungs of rabbits with tuberculous inflammation] El'shanskaia MP.
Probl Tuberk 49:72-6, 1971 (Rus)
[Changes in activity of flavin enzymes in various stages of thiamine saturation of the organism] Nikishkin IA.
Ukr Biokhim Zh 42:66-70, 1970 (Rus)
[Deamination of some biogenic monoamines and succinate dehydrogenase activity in mitochondria] Gorkin VZ, et al.
Vopr Med Khim 17:65-73, Jan-Feb 71 (Rus)
[Succinate dehydrogenase, NAD-H2- and NADP-H2-diaphorase activity in a culture of chick fibroblasts infected by vaccinia virus] Nosik NN, et al.
Vopr Virusol 15:275-7, May-Jun 70 (Rus)
[Mechanism of action of monochloramine on bacteria. II. Change in the succinate dehydrogenase, succinate oxidoreductase, and adenosine triphosphatase activity of staphylococcus and E. coli under the action of monochloramine] Tiurin VS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:63-6, Oct 70 (Rus)
[Activity and distribution of succinate dehydrogenase in tonsillar tissue in patients with chronic tonsillitis] Kalinovskaia LP.
Zh Ushn Nos Gorl Bolezn 30:34-8, Mar-Apr 70 (Rus)
[The effect of triphenylphosphonium salts on several oxidative-reductive enzymes of staphylococcus aureus] Sidorchuk II.
Mikrobiol Zh 31:670-4, Nov-Dec 69 (Ukr)
[Phosphorylation connected with oxidation of various substrates in functionally and morphologically different areas of spinal cord] Dvoretskii AI, et al.
Ukr Biokhim Zh 41:191-6, 1969 (Ukr)
[Effect of o-p'-DDD on oxidative phosphorylation in mitochondria of liver and kidney in guinea pigs] Komissarenko VP, et al.
Ukr Biokhim Zh 42:459-63, 1970 (Ukr)

SUCCINATES (D2)

Synthesis and purification of succinic semialdehyde. Bruce P, et al. Anal Biochem 41:271-3, May 71
L-trans-2,3-epoxysuccinate. A new substrate for fumarase. Albright F, et al.
Biochem Biophys Res Commun 40:661-6, 11 Aug 70
Simultaneous incorporation of 18 O into succinate and hydroxyproline catalyzed by collagen proline hydroxylase. Cardinale GJ, et al.
Biochem Biophys Res Commun 43:537-43, 7 May 71
Relaxation spectra of aspartate transcarbamylase. Interaction of the catalytic subunit with carbamyl phosphate, succinate, and L-malate. Hammes GG, et al. Biochemistry 10:1046-50, 16 Mar 71
Relaxation spectra of aspartate transcarbamylase. Interaction of the native enzyme with aspartate analogs. Hammes GG, et al.
Biochemistry 10:1051-7, 16 Mar 71
Physicochemical properties of beta-casein and some carboxyacyl derivatives. Evans MT, et al.
Biochim Biophys Acta 229:411-22, 16 Feb 71
Succinylation of thyroglobulin. Relation between dissociation into subunit and iodine content. Rolland M, et al. Biochim Biophys Acta 214:282-9, 21 Aug 70
L-trans-2,3-epoxysuccinic acid. A new substrate for fumarase. Albright F, et al.
J Biol Chem 246:1350-7, 10 Mar 71
Succinyl phosphate. Its nonenzymatic hydrolysis and reaction with coenzyme A. Walsh CT Jr, et al.
J Biol Chem 245:5699-708, 10 Nov 70
[Molecular properties of trypsin in the presence of acetate, oxalate, succinate and malate ions] Porcelli G, et al. Farmaco [Prat] 25:501-3, Aug 70 (Ita)

ADMINISTRATION & DOSAGE

[Pharmacological properties of some 5-oxytryptamine salts] Mashkovskif MD, et al.
Farmakol Toksikol 33:673-5, 1970 (Rus)

ANALYSIS

Studies on the chemistry of lichens. 28. Additional evidence for the erythro configuration of roccellic acid. Akermark B. Acta Chem Scand 24:1456-7, 1970
Ascaris lumbricoides: succinate and tiglate in hemolymph. Harpur RP, et al.
Exp Parasitol 29:208-14, Apr 71
[Infrared spectrophotometric determination of succinic dinitrile in aqueous pharmaceutical preparations] Bellomonte G.
Ann Ist Super Sanita 5:625-7, 1969 (Ita)

BLOOD

Guanidinosuccinic acid and transketolase. Stein IM.
N Engl J Med 285:637, 9 Sep 71

CHEMICAL SYNTHESIS

Homoargininosuccinic acid synthesis by an enzyme from pig kidney. Strandholm JJ, et al.
Biochim Biophys Acta 237:293-5, 18 May 71

DIAGNOSTIC USE

[Gastric secretion analysis with pentagastrin (Gastrodiagnost)] Ewers HR.
Med Klin 65:1170-5, 12 Jun 70 (Ger)
[Comparability of standardized provocation tests with Betazol and Pentagastrin in analysis of stomach secretions] Lux G, et al.
Med Klin 66:775-7, 21 May 71 (Ger)

METABOLISM

Mitochondrial metabolism of succinate, beta-hydroxybutyrate, and alpha-ketoglutarate in hemorrhagic shock. Sayeed MM, et al.
Am J Physiol 220:1275-81, May 71
The influence of membranes on the temperature-induced changes in the kinetics of some respiratory enzymes of mitochondria. Raison JK, et al.
Arch Biochem Biophys 142:83-90, Jan 71
Intramitochondrial release and binding of mitochondrial aspartate aminotransferase and malate dehydrogenase in the presence and absence of exogenous succinate. Waksman A, et al.
Biochem Biophys Res Commun 42:745-9, 19 Feb 71
Regulation of gluconeogenesis in Acetobacter xylinum by hexoses. Weinhouse H, et al.
Biochem Biophys Res Commun 43:233-8, 16 Apr 71
The entry and oxidation of succinate by mouse fibroblast cells. Reid RA.
Biochem J 118:34P-35P, Jun 70
Diazoxide, an inhibitor of succinate oxidation. Schäfer G, et al. Biochem Pharmacol 18:2873-81, Oct 69
Biosynthesis of alpha-ketoglutarate by the reductive carboxylation of succinate in Bacteroides ruminicola. Allison MJ, et al. J Bacteriol 104:50-6, Oct 70
Non-Mendelian mutation allowing ureidosuccinic acid uptake in yeast. Lacroute F.
J Bacteriol 106:519-22, May 71
Succinate, glycerophosphate and ascorbate as sources of cellular energy and as antiteratogens. Landauer W, et al. J Embryol Exp Morphol 24:187-202, Aug 70
Effects of staphylococcus alpha-toxin and streptolysin S on the oxidation of succinate by ascites tumour cells. Symington DA, et al.
J Med Microbiol 2:495-505, 4 Nov 69
Metabolic properties of mouse transplantable adenocarcinoma. II. Substrate utilization by homogenates. Floridi A, et al.
J Natl Cancer Inst 47:271-5, Aug 71
The effect of cholesterol feeding on the metabolism of 3-hydroxy-3-methylglutarate, L-leucine and succinate in rats. Hagenfeldt L, et al.
Life Sci [II] 9:991-1001, 8 Sep 70
Uptake of 14C-labelled succinate, L(+)-dihydroxysuccinate, L-monohydroxysuccinate, citrate, alpha-ketoglutarate, and D-glucose by washed mycelium of Claviceps purpurea. Taber WA.
Mycologia 63:290-307, Mar-Apr 71
Metabolism of stearoyl propylene glycol hydrogen succinate. King WR, et al.
Toxicol Appl Pharmacol 17:519-28, Sep 70
[Oxidative phosphorylation in rat liver mitochondria in biotin deficiency] Busuioc A, et al.
Acta Vitaminol Enzymol (Milano) 24:7-10, 1970 (Fre)
[Incorporation of various hydrogenated precursors into total fatty acids and fatty acids of different cell fractions from perfused rat liver] Rous S, et al.
Bull Soc Chim Biol (Paris) 52:411-20, 1970 (Fre)
[Guanidinosuccinic acid and uremia. 1. Clinical studies] Dobbelstein H, et al.
Klin Wochenschr 49:348-57, 15 Mar 71 (Ger)
[Respiratory behavior of common B. coli cultured in aerobiosis and anaerobiosis in various substrates] Sulli E.
Riv Med Aeronaut Spaz 32:19-41, Jan-Mar 69 (Ita)
[Succinic acid in skeletal muscles during intensive activity and during rest] Kondrashova MN, et al.
Dokl Akad Nauk SSSR 198:243-6, 1971 (Rus)

PHARMACODYNAMICS

Endogenous incorporation of 32P in Neisseria meningitidis. 2. The effects of acetate, succinate, propionate and acetoacetate. Jyssum S, et al.
Acta Pathol Microbiol Scand [B] 78:343-9, 1970
Effects of in vivo and in vitro administered thyroxine on substrate metabolism of isolated rabbit ventricle mitochondria. 3. Substrate effects on pyridine nucleotide reduction, on the reversal of electron transport, and on the "respiratory control by ATP". Tarjan EM, et al. Endocrinology 89:385-96, Aug 71
Inhibition of tryptamine oxidation by N'-dimethylaminosuccinamic acid (B-995) and maleic hydrazide (MH). Suzuki Y, et al.
Enzymologia 39:57-64, 31 Jul 70
The effect of guanidinosuccinic acid on in vitro carbohydrate metabolism. Davidson MB.
Experientia 26:1206-7, 15 Nov 70
Hormonal action of certain biologically active compounds in Agrotis ypsilon larvae. el-Ibrashy MT, et al. Experientia 26:1095-6, 15 Oct 70
Effect of succinate administered in combination with progesterone, chlorpromazine and chloramphenicol on the stability of liver lysosomes of rats fed on different diets. Popov CS.
Experientia 27:47-9, 15 Jan 71
Some effects of organic acid supplementation on utilization of ammonium compounds by three pathogenic fungi. Sahni VP.
Mycopathol Mycol Appl 43:41-8, 25 Jan 71
[Activation of submitochondrial particles by succinate] Saks VA, et al.
Biokhimiia 35:797-801, Jul-Aug 70 (Rus)
[Pharmacological properties of some 5-oxytryptamine salts] Mashkovskif MD, et al.
Farmakol Toksikol 33:673-5, 1970 (Rus)

THERAPEUTIC USE

Solu-Medrol for back pain. Kletschka HD, et al.
Minn Med 54:207, Mar 71
Effects of hyperbaric oxygenation of metabolism. VII. Succinate protection against oxygen toxicity in large animals. Currie WD, et al.
Proc Soc Exp Biol Med 136:630-1, Feb 71
The effect of estriol succinated on the rejection of kidney transplants. Müller-Beissenhirtz P, et al.
Transplantation 11:102-3, Jan 71
[Penetration into the ocular fluid of chloramphenicol hemisuccinate in subconjunctival injections] Déodati F, et al. Bull Soc Ophtalmol Fr 69:1026-9, Nov 69 (Fre)
[Comparative efficacy of antidotal activity of spatial isomers of dimercaptosuccinic acid in mercury poisoning] Okonishnikova IE.
Gig Tr Prof Zabol 14:18-22, Aug 70 (Rus)
[Hemostatic effect of estriol succinate in surgery] Bukurov S. Srp Arh Celok Lek 97:915-8, Sep 69 (Ser)

TOXICITY

Dangers of dioctyl sodium sulfosuccinate in mixtures. Godfrey H. JAMA 215:643, 25 Jan 71
Feeding of Succistearin to rats and dogs. King WR, et al. Toxicol Appl Pharmacol 18:26-34, Jan 71
[Pharmacological properties of a new antidepolarizing curare-like compound, diadonium diiodide] Kharkevich DA.
Farmakol Toksikol 33:531-6, Sep-Oct 70 (Rus)

URINE

[A simple method of thin-layer chromatography for the identification of arginosuccinicaciduria] Humbel R, et al. Monatsschr Kinderheilkd 117:16-7, Jan 69 (Ger)

SUCCINIC OXIDASE see SUCCINATE

DEHYDROGENASE (D9)

SUCCINYLCHOLINE (D5)

The crystal structure of succinylcholine iodide. Jensen B. Acta Chem Scand 24:2517-24, 1970
Suxamethonium sensitivity. Goedde HW, et al.
Ann NY Acad Sci 179:695-703, 6 Jul 71
Neuromuscular effects of halothane, suxamethonium and tubocurarine in a myasthenic undergoing thymectomy. Baraka A, et al.
Br J Anaesth 43:91-5, Jan 71
Influence of aprotinin (Trasylol) on the action of suxamethonium. Doenicke A, et al.
Br J Anaesth 42:948-60, Nov 70
Thiopentone-suxamethonium mixture. A method for reducing the aspiration hazard during induction of anaesthesia. Khawaja AA.
Br J Anaesth 43:100-2, Jan 71
[Anesthetic choice in electroconvulsive therapy with muscle relaxants] Bertolino A, et al.
Rass Int Clin Ter 50:1295-301, 31 Oct 70 (Ita)
[Depolarizing relaxants (succinylcholine) in children] Morillo Conejo A, et al.
Rev Esp Anestesiol Reanim 17:366-9, Apr 70 (Spa)

ADMINISTRATION & DOSAGE

Thiopentone-suxamethonium mixture. Khawaja AA.
Br J Anaesth 43:822, Aug 71
Evaluation of thiamylal sodium, succinylcholine, and glyceryl guaiacolate prior to inhalation anesthesia in horses. Heath RB, et al.
J Am Vet Med Assoc 157:1486-94, 1 Dec 70
Succinylcholine chloride dosage in miniature swine for the purpose of endotracheal intubation. DeYoung DW, et al. Lab Anim Care 20:998-1001, Oct 70
[Mechanism of neuromuscular transmission. Significance of the mode of S.C.C. administration in the development of phase II block] Murakami S, et al.
Jap J Anesthesiol 19:1225-34, Oct 70 (Jap)
[Clinical evaluation of the combined use of succinylcholine and non-depolarizing muscle

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

relaxants] Yamamura Y, et al.
Jap J Anesthesiol 20:439-43, May 71 (Jap)
[Case report on the use of 3,250 mg of succinylcholine] Guimarães Filho D de.
Rev Bras Anestesiol 20:570-2, Oct-Dec 70 (Por)
[Myoparalytic effect of succinylcholine chloride (listenone) during the 1st hours following whole body gamma-irradiation] Khmelevskif IaM, et al.
Farmakol Toksikol 33:545-8, Sep-Oct 70 (Rus)

ADVERSE EFFECTS

Deaths with dental anaesthetics. Bourne JG.
Anaesthesia 26:390, Jul 71
Suxamethonium pains: hypothesis and observation. Waters DJ, et al. Anaesthesia 26:127-41, Apr 71
Circulatory collapse following succinylcholine: report of a patient with diffuse lower motor neuron disease. Beach TP, et al.
Anesth Analg (Cleve) 50:431-7, May-Jun 71
Succinylcholine-induced cardiac arrhythmias. List WF.
Anesth Analg (Cleve) 50:361-7, May-Jun 71
Systemic reaction to succinylcholine: a case report. Redderson C, et al.
Anesth Analg (Cleve) 50:49-52, Jan-Feb 71
Benign transient swelling of the parotid glands following general anesthesia: "anesthesia mumps". Reilly DJ. Anesth Analg (Cleve) 49:560-3, Jul-Aug 70
Effect of hemodialysis on plasma cholinesterase. Thomas JL, et al.
Anesth Analg (Cleve) 49:323-5, Mar-Apr 70
Control of succinylcholine-induced myotonia by d-tubocurarine. Baraka A, et al.
Anesthesiology 33:669-70, Dec 70
Serum potassium changes after succinylcholine in patients with acute massive muscle trauma. Kopriva C, et al. Anesthesiology 34:246-9, Mar 71
Cardiac arrest following succinylcholine in patients with central nervous system injuries. Smith RB, et al.
Anesthesiology 33:558-60, Nov 70
Thiopentone-suxamethonium mixture. Alexander J.
Br J Anaesth 43:591, Jun 71
Suxamethonium muscle pains and pregnancy. Crawford JS. Br J Anaesth 43:677-80, Jul 71
Malignant hyperpyrexia and anaesthesia. Two case reports. Drury PM, et al.
Br J Anaesth 42:1021-3, Nov 70
Abnormal responses to muscle relaxants in a patient with Von Recklinghausen's disease (multiple neurofibromatosis). Magbagbeola JA.
Br J Anaesth 42:710, Aug 70
Muscle pain following suxamethonium. Meadows JC.
Br J Anaesth 43:418, Apr 71
Initial experiences with the Cholinesterase Research Unit. Whittaker M, et al.
Br J Anaesth 42:1016-20, Nov 70
A case of atrial fibrillation following the use of suxamethonium during ECT. O'Melia J.
Br J Psychiatry 117:718, Dec 70
Hyperpyrexia during anaesthesia. Furniss P.
Br Med J 4:745, 19 Dec 70
Gas exchange in renal failure. Powell JN.
Br Med J 2:465, 22 May 71
Prevention of succinylcholine-induced hyperkalaemia by magnesium sulfate. Aldrete JA, et al.
Can Anaesth Soc J 17:477-84, Sep 70
A case of bronchospasm induced by succinylcholine. Beie-Binda N, et al. Can Anaesth Soc J 18:116-9, Jan 71
Hyperkalaemia following succinylcholine administration in neurological disorders: a review. Smith RB.
Can Anaesth Soc J 18:199-201, Mar 71 (18 ref.)
Myoglobinemia after a single dose of succinylcholine. Ryan JF, et al. N Engl J Med 285:824-7, 7 Oct 71
Genetics--the anaesthetist at risk. Vetten KB.
S Afr J Surg 8:87-91, 1970
Succinylcholine--prolonged apnoea and some dangers. Benatar SR. S Afr Med J 44:999-1002, 5 Sep 70
Delayed hypersensitivity reaction to succinylcholine. Fujita T. Tohoku J Exp Med 102:33-5, Sep 70
[Cholinesterase. A survey with particular reference to inherited increase in sensitivity to suxamethonium] Mogensen JV, et al.
Nord Med 84:1417-22, 5 Nov 70 (25 ref.) (Dan)
[Dangerous increase in serum potassium following succinylcholine administration] Roth F, et al.
Anaesthesist 20:35-8, Jan 71 (Ger)
[Blood circulatory incidents following succinylcholin in patients with burns] Meier F, et al.
Chirurg 42:232-6, May 71 (Ger)
[Experiences with faustan for the prevention of muscle pain from succinyl choline administration] Di Giacomo G, et al.
Zentralbl Chir 95:957-60, 8 Aug 70 (Ger)
[Strange case of prolonged apnea due to succinylcholine] Erra U.
Acta Anaesthesiol (Padova) 20:427-31, Mar-Apr 69 (Ita)
[Secondary effects of the intravenous introduction of succinylcholine chloride] Consorti P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1397-401, 1968 (Ita)
[Heart arrest following administration of Lysthenon] Mazchenko NS. Vestn Khir 105:124-5, Sep 70 (Rus)

ANALYSIS

[Volumetric determination of benzohexonium, dibazol, ditiline and tetamon] Sutzhanov NB, et al.
Farm Zh 26:46-50, Jan-Feb 71 (Ukr)

ANTAGONISTS & INHIBITORS

Inhibition of succinylcholine-induced increased intragastric pressure by nondepolarizing muscle relaxants and lidocaine. Miller RD, et al.
Anesthesiology 34:185-8, Feb 71

BLOOD

[Transplacental crossing of myorelaxants] Berenger C, et al. Can Anesthesiol 18:699-710 passim, Oct 70 (Fre)

DIAGNOSTIC USE

[Succinyl-induced contracture in the paralysed facial musculature, a new diagnostic aid for the evaluation of long-lasting paralysis] Nessel E.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:198-202, 1970 (Ger)

PHARMACODYNAMICS

Maternal acid-base status during cesarean section under thiopental, N2O1 and succinylcholine anesthesia. Kalappa R, et al.
Am J Obstet Gynecol 109:411-7, 1 Feb 71
Maternal cardiovascular dynamics. V. Cesarean section under thiopental, nitrous oxide, and succinylcholine anesthesia. Ueland K, et al.
Am J Obstet Gynecol 108:615-22, 15 Oct 70
The site and mode of action of propanidid on the peripheral motor unit. Ellis FR.
Anaesthesist 20:19-22, Jan 71
Depolarizing neuromuscular block. Galindo A.
Anesthesiology 34:490-1, May 71
Succinylcholine and decamethonium: comparison of depolarization and desensitization. Gissen AJ, et al.
Anesthesiology 33:611-8, Dec 70
Clinical studies of the interaction of hexafluorenium and succinylcholine in man. Waits LF, et al.
Anesthesiology 33:503-7, Nov 70
Antiarrhythmic effects of skeletal muscle relaxants. Wong KC, et al. Anesthesiology 34:458-62, May 71
The neuromuscular blocking action of suxamethonium in the anaesthetised rat. Ireson JD, et al.
Arch Int Pharmacodyn Ther 181:283-6, Oct 69
Succinylcholine-induced antidromic motor nerve and extraocular muscle responses in the cat. Bach-Y-Rita P. Arch Ital Biol 108:496-502, Aug 70
Haemodynamic effects of tubocurarine, gallamine and suxamethonium in dogs. Hughes R.
Br J Anaesth 42:928-34, Nov 70
Differences in effect of suxamethonium in London, Los Angeles, and New York. Levy G.
Br J Anaesth 42:979-80, Nov 70
Changes in serum potassium following suxamethonium in the uraemic rat. Powell JN, et al.
Br J Anaesth 42:804, Sep 70
The pattern of potassium liberation following a single dose of suxamethonium in normal and uraemic rats. Powell JN, et al. Br J Anaesth 43:662-8, Jul 71
The effects of other drugs on the stimulation of laryngospasm in the cat: atropine; thiopentone, suxamethonium; local analgesics. Rex MA.
Br J Anaesth 43:117-21, Feb 71
The relationship between the level of cholinesterase in plasma and the action of suxamethonium in animals. Hobbiger F, et al. Br J Pharmacol 40:775-89, Dec 70
Studies on the effects of succinylcholine upon the circulation of the anaesthetized dog. Leighton KM.
Can Anaesth Soc J 18:100-9, Jan 71
Effects of succinylcholine and promazine on the cardiovascular and respiratory systems of horses. Zinn RS 3d, et al.
J Am Vet Med Assoc 157:1495-9, 1 Dec 70
Depolarizing neuromuscular block. Galindo A.
J Pharmacol Exp Ther 178:339-49, Aug 71
The effect of suxamethonium on the spindles of frog sartorius and ilio-fibularis muscles. Brown MC.
J Physiol (Lond) 206:27P-28P, Feb 70
Development of the differential response to succinylcholine in the fast and slow-twitch skeletal muscle of the kitten. Mann WS, et al.
J Physiol (Lond) 210:581-92, Oct 70
Succinylcholine effect on human myometrial activity. Iuppa JB, et al. Obstet Gynecol 37:591-5, Apr 71
The influence of thiopentone and suxamethonium on cardiovascular and respiratory function in the horse. Tavernor WD, et al. Res Vet Sci 11:45-53, Jan 70
Effect of trasylol on the action of muscle relaxants and the serum cholinesterase activity. Iwatsuki K, et al.
Tohoku J Exp Med 104:105-9, Jun 71
[Muscle potassium changes after succinylcholine chloride] List W, et al.
Wien Klin Wochenschr 82:761-2, 18 Oct 70 (Ger)
[Pharmacogenetics] Jung F.
Z Gesamte Inn Med 24:Suppl:9-14, 1 Jan 69 (Ger)
[Relation between Trasylol and depolarizing curares] Balocchi P, et al.
Acta Anaesthesiol (Padova) 20:867-79, Sep-Oct 69 (Ita)
[On the anti-succinylcholine action of imipramine at the level of some muscles, and not of others, in the same animal] Bossa R, et al.
Boll Soc Ital Biol Sper 46:712-5, 15 Sep 70 (Ita)
[On the mechanism of the anti-succinylcholine action of imipramine. (Demonstration, on the frog abdominal rectus, of an imipramine action inhibiting depolarizing drugs)] Carruba M, et al.
Boll Soc Ital Biol Sper 46:708-12, 15 Sep 70 (Ita)
[Effects of succinyl-di-choline and succinyl-monocholine on heart rate] Akita H.
Jap J Anesthesiol 19:1389-95, Nov 70 (Jap)
[Study of muscle relaxants using evoked electromyography. 3. Alteration of recovery curve with M-response during the phase II block by succinylcholine] Suzuki H, et al.
Jap J Anesthesiol 20:62-7, Jan 71 (Jap)
[Study of muscle relaxants using evoked electromyography. 2. Characteristic patterns of recovery curve with M-response during effective period of muscle relaxants] Suzuki H, et al.
Jap J Anesthesiol 19:1455-62, Dec 70 (Jap)
[Potassium levels in man and dog during the induction of type II neuroleptoanalgesia. II. Effect of succinylcholine] Leitão FB.
Rev Bras Anestesiol 20:362-84, Jul-Sep 70 (Por)
[The effect of imidazole and carnosine on the duration of myoneural block created by polarizing and depolarizing agents] Boldyrev AA.
Biull Eksp Biol Med 66:51-5, Sep 68 (Rus)
[Mechanism of antiacetylcholine effects of some mononitrous cholinolytics in the neuromuscular synapse] Magazanik LG.
Farmakol Toksikol 34:292-7, May-Jun 71 (Rus)
[Prolonged action of succinylcholine at the height of acute radiation sickness] Kudriavtsev VD, et al.
Vestn Akad Med Nauk SSSR 25:84-90, 1970 (Rus)
[Change in the acitvity of acetyl cholinesterase in tissues under the effect of curare-like preparations ditiline and diplacin] Mozgovaia EN.
Ukr Biokhim Zh 42:433-8, 1970 (Ukr)

THERAPEUTIC USE

[Clinical and electrophysiologil studies on muscle relaxation with hexafluorenium and succinylcholine] Dick W, et al. Anaesthesist 18:326-30, Oct 69 (Ger)
[A case of grave tetanus in a child] Pacelli L, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:149+, 1969 (Ita)

TOXICITY

A case of pharmaceutical injustice. Miller RM.
Vet Med Small Anim Clin 65:1130 passim, Dec 70

SUCKING BEHAVIOR (F1)

Movements of the stomach compartments of a young bull during sucking. Kay RN, et al.
Br J Nutr 26:301-9, Sep 71
The effects of temperature and position on the sucking pressure of newborn infants. Elder MS.
Child Dev 41:95-102, Mar 70
Sucking movements during sleep in the newborn baby. Goldie L, et al.
J Child Psychol Psychiatry 11:207-11, Dec 70
The effects of sucking on the motility of the forestomach in young ruminants. Kay RN, et al.
J Physiol (Lond) 214:34P-35P, Apr 71
Fluid mechanics of nutritive sucking behaviour: the suckling infant's oral apparatus analysed as a hydraulic pump. Kron RE, et al.
Med Biol Eng 9:45-60, Jan 71
Respiration and sucking as components of the orienting reaction in newborns. Sameroff AJ.
Psychophysiology 7:213-22, Sep 70
Morsicatio mucosae oris and suctio mucosae oris. An analysis of oral mucosal changes due to biting and sucking habits. Hjorting-Hansen E, et al.
Scand J Dent Res 78:492-9, 1970
Sucking ability of newborns. Nagai S, et al.
Tohoku J Exp Med 103:231-45, Mar 71
[Proptosis oralis. Lesions of the oral mucosa caused by suction] Sewerin I.
Tandlaegebladet 74:1205-14, Nov 70 (Dan)
[Bad sucking habits and their repercussions on the structure of the face, mouth and jaws] Tollaro I, et al.
Riv Clin Pediatr 81:1117-24, Nov-Dec 68 (Ita)

SUCROSE (D11)

Sucrose and inulin space measurements of cerebral cortex in four mammalian species. Levin VA, et al.
Am J Physiol 219:1528-33, Nov 70
Effects of sucrose on determination of DNA by the method of Kissane and Robins. Waldmin AA, et al.
Anal Biochem 36:247-51, Jul 70
Stability region of albumin zones in sucrose density gradients at 1 G. Meuwissen JA, et al.
Biochem Biophys Res Commun 41:875-81, 9 Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Short communication. Effects of dietary sucrose on the metabolism in vitro of liver from rats of different strains. Bender AE, et al. Biochem J 119:351-2, Sep 70
The potential distribution and the short-circuiting factor in the sucrose gap. Jirounek P, et al. Biophys J 11:1-10, Jan 71
Hyperinsulinism and atherogenesis. Yudkin J, et al. Br Med J 1:349, 6 Feb 71
Reversal of the interference by sucrose on protein determination by the biuret method. Arora DJ. Can J Biochem 49:139-40, Jan 71
Posthypertonic hemolysis in a sucrose system. Zade-Oppen AM. Experientia 26:1087-8, 15 Oct 70
Effects of sodium chloride and sucrose on caries activity in rats. Esposito EJ. J Dent Res 50:850-3, Jul-Aug 71
An investigation of the pore structure of tablets of sucrose and lactose by mercury porosimetry. Selkirk AB, et al. J Pharm Pharmacol Suppl:79S+, Dec 70
The dietary sugar intake of businessmen; the results of a cross-sectional survey. Richardson JF. Postgrad Med J 47:Suppl:423-6, Jun 71
The level of sucrose intake by three groups of Indian subjects. Booyens J, et al. S Afr Med J 44:1415-7, 19 Dec 70
Investigations on the consumption of sugar by South African populations. Walker AR, et al. S Afr Med J 45:516-24, 15 May 71
Sucrose. Fewkes DW, et al. Sci Progr 59:25-39, Spring 71 (110 ref.)
Taste of water in the cat: effects on sucrose preference. Bartoshuk LM, et al. Science 171:699-701, 19 Feb 71
[Measurement of bioelectric potentials of single muscle fibers by the saccharose-gap method. IV. Voltage relations under "current-clamp" in potassium-rich solutions] Isenberg G, et al. Acta Biol Med Ger 24:639-56, 1970 (Ger)
[Measurement of bioelectric potentials from single skeletal muscle fibers by the saccharose-gap method. 3. Measurements of membrane resistance] Isenberg G, et al. Acta Biol Med Ger 24:623-38, 1970 (Ger)
[Separation of different populations of lymphocytes by Ficoll linear density gradient centrifugation] Nanni G, et al. Boll Soc Ital Biol Sper 45:935-9, 31 Jul 69 (Ita)
[Atherogenicity of sucrose] Markelova VG, et al. Vopr Pitan 30:20-4, 1971 (Rus)

ADMINISTRATION & DOSAGE

The different effects of oral sucrose and glucose on alimentary lipaemia. Mann JI, et al. Clin Sci 41:123-9, Aug 71

ADVERSE EFFECTS

Diffuse intercapillary glomerulosclerosis in sucrose-fed rats. Cohen AM, et al. Diabetologia 7:25-8, Feb 71
Sweet mystery of life. Food Cosmet Toxicol 9:439-42, Jun 71
[Sucrose, dental plaque and caries] Rolla G. Tidsskr Nor Laegeforen 91:697-700, 10 Apr 71 (52 ref.) (Nor)

ANALYSIS

Analysis of sucrose esters of long-chain fatty acids on Sephadex LH-20. Konishi K, et al. J Chromatogr 54:367-72, 3 Feb 71
Sucrose content and plaque formation in extracts from various food products. Winholt AS. Odontol Revy 21:301-7, 1970

BIOSYNTHESIS

Studies on UDP-glucose: D-fructose 2-glucosyltransferase from tapioca tuber. Shukla RN, et al. Arch Biochem Biophys 142:303-9, Jan 71
[Case of saccharose synthesis in a woman] Gorodetskiĭ VK, et al. Klin Med (Mosk) 48:167-9, Aug 70 (Rus)

ISOLATION & PURIFICATION

Analysis of calcium sucrose phosphate. Trautner K. Caries Res 5:8-9, 1971

METABOLISM

Sucrose and raffinose breakdown by Escherichia coli. Arr M, et al. Acta Microbiol Acad Sci Hung 17:117-26, 1970
Effects of consumption of hydrogenated saccharides and sucrose on the blood sugar concentration. Björling S, et al. Acta Odontol Scand 29:31-41, Apr 71
Elevation of plaque sodium content and pH through a bicarbonate-phosphate addition to sucrose. Luoma H, et al. Acta Odontol Scand 29:85-94, Apr 71
Effects of variations in the extracellular osmolality on the permeability to nonelectrolytes of vascular smooth muscle. Jonsson O. Acta Physiol Scand 81:528-39, Apr 71
Sucrose, insulin, and coronary heart disease. Yudkin J. Am Heart J 80:844-6, Dec 70
Hepatocellular uptake of inulin, sucrose, and mannitol in rats. Forker EL. Am J Physiol 219:1568-73, Dec 70
Hydrogen ion activity in dental plaques of hamsters during metabolism of sucrose, glucose and fructose. Charlton G, et al. Arch Oral Biol 16:655-61, Jun 71
Effect of sex hormones on fasting serum triglycerides in baboons given high-sucrose diets. Coltart TM, et al. Br J Nutr 25:323-31, May 71
The extracellular space in brain tumours. II. The sucrose space. Bakay L. Brain 93:699-708, 1970
Sucrose and the role of saccharates in enamel caries. Jenkins GN, et al. Caries Res 5:28, 1971
Cerebral isotope uptake in acute experimental hypercapnic hypoxia. Bakay L, et al. Exp Neurol 32:303-12, Aug 71
Effect of the cerebrospinal fluid sink on sucrose-diffusion gradients in brain. Pollay M, et al. Exp Neurol 30:54-65, Jan 71
A microperfusion study of sucrose movement across the rat proximal tubule during renal vein constriction. Bank N, et al. J Clin Invest 50:294-302, Feb 71
Nonelectrolyte permeability, sodium influx, electrical potentials, and axolemma ultrastructure in squid axons of various diameters. Villegas R, et al. J Gen Physiol 57:623-37, May 71
The penetration of inulin, sucrose, mannitol and tritiated water from the interstitial space in muscle into the vascular system. Crone C, et al. J Physiol (Lond) 210:387-404, Sep 70
Sugar consumption and myocardial infarction. Yudkin J. Lancet 1:296-7, 6 Feb 71
The outlook for prevention of dental caries. Scherp HW. Med Ann DC 40:439-43, Jul 71
Some metabolic effects of dietary sucrose. Bender AE, et al. Nutr Metab 12:22-39, 1970
The influence in male baboons, of a high sucrose diet on the portal and arterial levels of glucose and fructose following a sucrose meal. Crossley JN, et al. Nutr Metab 12:171-8, 1970
The effect of 10 weeks consumption of a 75 percent sucrose diet on the incorporation of [U-14C] fructose into the serum glycerides of male and female baboons. Jourdan ME. Proc Nutr Soc 29:Suppl:18A+, May 70
Lipoprotein lipase activity in the adipose tissue of rats fed sucrose or starch. Naismith DJ, et al. Proc Nutr Soc 30:12A, May 71
Dietary sucrose and the behaviour of blood platelets. Szanto S, et al. Proc Nutr Soc 29:Suppl:3A, May 70
The relationship between sucrose intake, plasma insulin and platelet adhesiveness in men with and without occlusive atherosclerosis. Yudkin J, et al. Proc Nutr Soc 29:Suppl:2A-3A, May 70
[Dental plaque formation. 3. Redox equilibrium and the importance of calcium ions in a mixture of saliva and sucrose] Berg E. Tandlaegebladet 74:1312-23, Dec 70 (Dan)
[Some tests connected with scission in vivo and in vitro of a sucroester used as a food additive] Fratoni A, et al. Boll Soc Ital Biol Sper 45:712-6, 15 Jun 69 (Ita)
[Primary and secondary intolerance to sucrose and isomaltose. Contribution to clinical and laboratory studies] Della Cella G, et al. Riv Clin Pediatr 81:344-52, Jul-Aug 68 (Ita)
[Experiment in nutritional and biochemical study of intestinal absorption of sucrose and lactose in infants, with special reference to newborn infants] Mito H. Acta Paediatr Jap 74:873-82, Oct 70 (Jap)
[On the role of dietary sucrose in the development of vascular disorders] Takekoshi T. Jap Circ J 34:959-69, Oct 70 (Jap)
[Changes in juxtamural digestion in various regions of the small intestine of rats following general x-irradiation] Bulbuk GA. Biull Eksp Biol Med 66:42-4, 1968 (Rus)
[Effect of some carbohydrates on the respiration intensity of Chlorella luteoviridis var. lutescens Chodat] Avilov IA. Vestn Leningr Univ [Biol] 4:127-33, 1968 (Rus)
[Growth of several Mucorales and Moniliales fungi on solid paraffin at high temperatures] Koval' EZ, et al. Mikrobiol Zh 32:290-3, May-Jun 70 (Ukr)

PHARMACODYNAMICS

A method for evaluation of acid potentialities of foods. Frostell G. Acta Odontol Scand 28:599-622, Nov 70
Oxygen utilization by rat skin exposed to several cryoprotective solutions during liquid nitrogen storage. Kollarits CR, et al. Cryobiology 7:94-9, Sep-Oct 70
Calcium-45 uptake as a measurement of freeze-thaw injury to hicken spermatozoa in the presence or absence of cryopreservatives. Thurston RJ, et al. Cryobiology 7:100-6, Sep-Oct 70
Endocytosis of sucrose and other sugars by cells in culture. Nyberg E, et al. Exp Cell Res 63:43-52, Nov 70
Long-term effects of dietary sucrose and starch on serum lipids and atherosclerosis in miniature swine. St. Clair RW, et al. Exp Mol Pathol 15:21-33, Aug 71
In vitro effects of polyvinylpyrrolidone and sucrose on the acetylcholinesterase, succinate dehydrogenase and lactate dehydrogenase activities in the brain. Lisý V, et al. Histochemie 26:205-11, 1971
The effects of sucrose and various salts on the growth and lysosomal enzyme activity of L5178Y cells. Bernacki RJ, et al. J Cell Sci 8:399-406, Mar 71
Diurnal fluctuations in triglyceride, free fatty acids, and insulin during sucrose consumption and insulin infusion in man. Barter PJ, et al. J Clin Invest 50:583-91, Mar 71
Depression of sucrose response in the rat chorda tympani nerve by sulfhydryl reagents. Noma A, et al. Kumamoto Med J 23:114-6, 30 Sep 70
Changes in body composition and metabolism induced by sucrose in the rat. al-Nagdy S, et al. Nutr Metab 12:193-219, 1970
The effect of an 'atherogenic' diet containing starch or sucrose upon carcass composition and plasma lipids in the rat. Quereshi RU, et al. Nutr Metab 12:347-57, 1970
Influence of age and strain on the response of rats to dietary fructose and sucrose. Nutr Rev 29:124-6, May 71 (10 ref.)
Secretory transmembrane potentials in acinar cells from the cat submandibular gland during perfusion with a chloride-free sucrose solution. Petersen OH. Pfluegers Arch 323:91-5, 1971
[Effect of sucrose on skin cultures of a patient with mucopolysaccharidosis] Baccichetti C, et al. Riv Anat Patol Oncol 33:524-8, 1968 (Ita)
[Effect of the composition of nutrient media on the hydrolytic activity of Actinomyces aureofaciens LSB-2201] Vecher AS, et al. Mikrobiologiia 38:825-7, Sep-Oct 69 (Rus)

THERAPEUTIC USE

[The effect of iron-dextran and ironfree colloid on the distribution of experimental metastases] Domellöf L, et al. Nord Med 84:1348-9, 15 Oct 70 (Swe)

URINE

[Sucrose content of human and animal urine] Gorodetskiĭ VK, et al. Vopr Med Khim 17:206-11, Mar-Apr 71 (Rus)
[Blood glucose and urine sucrose levels under the effects of a reducing diet] Gorodetskiĭ VK, et al. Vopr Pitan 30:15-20, 1971 (Rus)

SUCTORIA (B1)

CYTOLOGY

The ultrastructure of nuclear division in a suctorian, Tokophrya infusionum. Millecchia LL, et al. Z Zellforsch Mikrosk Anat 115:149-64, 1971
[Electron microscopic study on the suctorian Paracineta limbata Maupas] Hauser M. Z Zellforsch Mikrosk Anat 106:584-614, 1970 (Ger)

GROWTH & DEVELOPMENT

Basal body replication and ciliogenesis in a suctorian, Tokophrya infusionum. Millecchia LL, et al. J Cell Biol 47:553-63, Sep 70

SUDECK'S ATROPHY (C3)

DIAGNOSIS

Transient osteoporosis of the hip, foot and knee. Swezey RL. Arthritis Rheum 13:858-68, Nov-Dec 70
[Dupuytren's contracture in accident evaluation] Theisinger W. Monatsschr Unfallheilkd 72:220-5, May 69 (Ger)

ETIOLOGY

[Sudeck's osteodystrophy of the talus consecutive to a fracture of the lateral tubercle] Queloz J, et al. J Radiol Electrol Med Nucl 51:763-6, Dec 70 (Fre)
[Morbus Sudeck as a complication of radial fractures] Freund E, et al. Monatsschr Unfallheilkd 73:569-74, 1970 (Ger)

THERAPY

[Therapy of the Sudeck syndrome] Gross D. Dtsch Med Wochenschr 96:345-6, 19 Feb 71 (Ger)

SUFFOCATION see ASPHYXIA (C14)

SUGARS see under CARBOHYDRATES (D11)

SUGGESTION (F3)

see also related
AUTOGENIC TRAINING (F3)

The use of hypnotic techniques without hypnosis per se for temporary stress. Bartlett EE. Am J Clin Hypn 13:273-8, Apr 71
Augmenting hypnotic suggestibility by providing favorable information about hypnosis. Cronin DM, et al. Am J Clin Hypn 13:259-64, Apr 71
Enhancement of achievement motivaton by posthypnotic and waking suggestion. Mordey TR, et al. Am J Clin Hypn 13:198-205, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Creativity, visual imagination and suggestibility: their relationship in a group of 10-year-old children. McHenry RE, et al. Br J Educ Psychol 40:154-60, Jun 70
The comparison of three suggestion techniques for increasing reading efficiency utilizing a counterbalanced research paradigm. Donk LJ, et al. Int J Clin Exp Hypn 18:128-33, Apr 70
Relations between the direct and indirect forms of the body sway test. Gheorghiu VA. Int J Clin Exp Hypn 20:134-9, Jul 71
Effects of suggestion on respiration in asthmatic children. Weiss JH, et al. Psychosom Med 32:409-15, Jul-Aug 70
[A concept becoming inadequate: pithiatism] Jallade S. Lyon Med 225:587-91, 11 Apr 71 (Fre)
[Hypnosis and sophrology. Terminology and essence of hypnosis] Granone F. Minerva Med 61:5984-9, 26 Dec 70 (Ita)
[Influence of hypnosis and hypnotic suggestion on blood circulation in the limbs] Grabowska MJ. Kardiol Pol 13:317-24, 1970 (Pol)

SUICIDE (F2, G1, I)

A twin study of suicide. Juel-Nielsen N, et al. Acta Genet Med Gemellol (Roma) 19:307-10, Jan-Apr 70
Depression or disappointment? Cowen J. Am Fam Physician 3:99-103, Feb 71
Suicidal behavior in chronic dialysis patients. Abram HS, et al. Am J Psychiatry 127:1199-204, Mar 71
Suicide in chronic hemodialysis patients from an external locus of control framework. Goldstein AM, et al. Am J Psychiatry 127:1204-7, Mar 71
Suicide by physicians. Mendlewicz J, et al. Am J Psychiatry 128:364-5, Sep 71
A follow-up study of wrist slashers. Nelson SH, et al. Am J Psychiatry 127:1345-9, Apr 71
Observations on suicidal behavior among American Indians. Resnik HL, et al. Am J Psychiatry 127:882-7, Jan 71
How suicidal behaviors are learned. Frederick CJ, et al. Am J Psychother 25:37-55, Jan 71
The role of psychotherapy in the treatment of suicidal persons. On the deromanticization of death. Shneidman ES. Am J Psychother 25:4-17, Jan 71
Suicide precipitated by psychotherapy. A clinical contribution. Stone AA. Am J Psychother 25:18-26, Jan 71
The management of the presuicidal, suicidal, and postsuicidal patient. Ann Intern Med 75:441-58, Sep 71
Suicide attempts in a Federal prison. Rieger W. Arch Gen Psychiatry 24:532-5, Jun 71
The motivation and emotional state of 91 cases of attempted suicide. Birtchnell J, et al. Br J Med Psychol 44:45-52, Mar 71
Depression and attempted suicide: a study of 91 cases seen in a casualty department. Birtchnell J, et al. Br J Psychiatry 118:289-96, Mar 71
Attempted suicide: nomenclature. Dodds A. Br J Psychiatry 117:121, Jul 70
Risk-taking in the lives of parasuicides (attempted suicides). Kennedy PF, et al. Br J Psychiatry 119:281-6, Sep 71
Attempted suicide as language. Kreitman N. Br J Psychiatry 117:476, Oct 70
Cyanide self-poisoning. Lee-Jones M, et al. Br Med J 4:780-1, 26 Dec 70
Suicide and euthanasia. Roche DA. Br Med J 3:50, 3 Jul 71
Suicide and euthanasia. Trowell H. Br Med J 2:275, 1 May 71
Hospital's duty to the suicidal. Br Med J 4:754, 19 Dec 70
Suicide attempts. Br Med J 2:483, 29 May 71
An attempt at suicide. The importance of understanding the Shona cultural background. Gelfand M. Cent Afr J Med 17:57-8, Mar 71
Suicidal and accidental digoxin ingestion. Report of five cases with serum digoxin level correlations. Smith TW, et al. Circulation 44:29-36, Jul 71
Is the poisoning accidental? McIntire MS, et al. Clin Pediatr (Phila) 10:414-7, Jul 71
Attempted suicide by drug ingestion. Ianzito BM. Dis Nerv Syst 31:453-8, Jul 70
Biochemical predictors of suicide. Krieger G. Dis Nerv Syst 31:478-82, Jul 70
Drug abusers, suicide attempters, and the MMPI. Sanborn DE 3d, et al. Dis Nerv Syst 32:183-7, Mar 71
Suicide of the spouse as a divorce substitute. Simon W, et al. Dis Nerv Syst 31:608-12, Sep 70
Attempted suicide by digoxin self administration and its management. Wharton CF. Guys Hosp Rep 119:243-51, 1970
Suicide and social responsibility. Ostow M. Isr Ann Psychiatry 7:138-44, Nov 69
A clinical study of the role of hostility and death wishes by the family and society in suicidal attempts. Richman J, et al. Isr Ann Psychiatry 8:213-31, Dec 70
Factors affecting choice of method of suicide. Lester D. J Clin Psychol 26:437, Oct 70
The severe suicide attempter and self-concept. Wilson LT, et al. J Clin Psychol 27:307-9, Jul 71
Predictive utility of the revised suicide potential scale. Braucht GN, et al. J Consult Clin Psychol 35:426, Dec 70
Effects of foreknowledge of death in the assessment from case history material of intent to die. Hood RW Jr. J Consult Clin Psychol 34:129-33, Apr 70
Test-retest characteristics of a group of attempted suicide patients. Philip AE, et al. J Consult Clin Psychol 34:144-7, Apr 70
Stockholm and Los Angeles: a cross-cultural study of the communication of suicidal intent. Rudestam KE. J Consult Clin Psychol 36:82-90, Feb 71
Gold content of tissue material in a suicide by gold-bearing (KCN) plating solution. Erämetsä O, et al. J Forensic Sci 15:447-51, Jul 70
Effects of foreknowledge of manner of death in the assessment from genuine and simulated suicide notes of intent to die. Hood RW Jr. J Gen Psychol 82:215-21, Apr 70
Deviance as therapy: the paradox of the self-destructive female. Maris RW. J Health Soc Behav 12:113-24, Jun 71
Suicide and sibling position. Lester D. J Individ Psychol 26:203-4, Nov 70
Oat cell carcinoma with hypercortisolemia presenting to a psychiatric hospital as a suicide attempt. Andersen AE, et al. J Nerv Ment Dis 152:427-31, Jun 71
Dreams and suicide attempts. Raphling DL. J Nerv Ment Dis 151:404-10, Dec 70
Intropunitiveness in suicidal adolescents. Levenson M, et al. J Proj Tech Pers Assess 34:409-11, Oct 70
Cartoon appreciation in suicidal and control groups. Keith-Spiegel P, et al. J Psychiatr Res 8:161-5, Jun 71
Psychiatric, physiological, behavioral and self-report measures in relation to a suicide attempt. Platman SR, et al. J Psychiatr Res 8:127-37, Jun 71
The problem of suicide on college campuses. Seiden RH. J Sch Health 41:243-8, May 71
Effect of foreknowledge of sex and manner of death in the assessment from suicide notes of intent to die. Hood RW Jr. J Soc Psychol 84:73-80, Jun 71
Adolescent suicide and premarital sexual behavior. Lester D. J Soc Psychol 82:131-2, Oct 70
Some cultural determinants of suicide in Sweden. Rudestam KE. J Soc Psychol 80:225-7, Apr 70
Suicide and dangerous sports: parachuting. Lester D, et al. JAMA 215:485, 18 Jan 71
Niagara Falls suicides. Lester D. JAMA 215:797-8, 1 Feb 71
Suicide after restoration of sight. Lester D. JAMA 216:678-9, 26 Apr 71
Suicidal behavior after restoration of sight. Lester D. JAMA 214:916, 2 Nov 70
Phenformin intoxication resulting in lactic acidosis. Straus FG, et al. Johns Hopkins Med J 128:278-81, May 71
Suicide and Samaritan clients. Barlow SM. Lancet 2:1091, 21 Nov 70
Attempted suicide. Crawford JP, et al. Lancet 1:499, 6 Mar 71
Methods of suicide in Western Australia. Burvill PW. Med J Aust 2:411-4, 29 Aug 70
Poisonings and prescribing habits. Prendergast FG. Med J Aust 1:614-5, 13 Mar 71
Alcoholism and suicide. Med J Aust 1:620-1, 20 Mar 71
Suicide and physician liability. Goldberg FD. Med Leg Bull 205:1-3, May 70
Remedying a misidentification. Thurston G. Med Leg J 39:31, 1971
Deaths in a youth program. Faux EJ, et al. Ment Hyg 54:569-71, Oct 70
The present suicide taboo in the United States. Frederick CJ. Ment Hyg 55:178-83, Apr 71
Evaluation and treatment of suicide-prone youth. King M. Ment Hyg 55:344-50, Jul 71
Abortion and suicidal behaviors: observations on the concept of "endangering the mental health of the mother". Resnik HL, et al. Ment Hyg 55:10-20, Jan 71
Case for diagnosis. Finck PA. Milit Med 135:409-10, May 70
Trends in suicide-research. Friedman P. Mt Sinai J Med NY 38:135-47, Jan-Feb 71
Relationship of mental disorder to suicidal behavior. Review of recent issues. Lester D. NY State J Med 71:1503-5, 15 Jun 71 (24 ref.)
Children and adolescents who attempt suicide. Teicher JD. Pediatr Clin North Am 17:687-96, Aug 70
Suicide--English style. Day G. Perspect Biol Med 14:290-300, Winter 71
Movement therapy in the treatment of suicidal patients. Chapman M. Perspect Psychiatr Care 9:119-22, 1971
Attempted suicide by drug overdose. Weddige RL, et al. Postgrad Med 49:184-6, May 71
Time competence and suicidal history. Brockopp GW, et al. Psychol Rep 28:80, Feb 71
Suicide attempts and threats as goal-directed communications in psychotic males. Kangas P, et al. Psychol Rep 27:795-801, Dec 70
Cognitive complexity of the suicidal individual. Lester D. Psychol Rep 28:158, Feb 71
MMPI scores of old and young completed suicides. Lester D. Psychol Rep 28:146, Feb 71
Suicidal behavior and external constraints. Lester D. Psychol Rep 27:777-8, Dec 70
Relation between attempted suicide and completed suicide. Lester D. Psychol Rep 27:719-22, Dec 70
Anomie and the suicidal individual. Lester D. Psychol Rep 26:532, Apr 70
Status integration and suicide. Lester D. Psychol Rep 26:492, Apr 70
Suicide and mutilation behaviors in non-literate societies. Lester D. Psychol Rep 28:801-2, Jun 71
Art therapy with a 12-year-old girl who witnessed suicide and developed school phobia. Jakab I, et al. Psychother Psychosom 17:309-24, 1969
Suicidal intent, alcoholism and syndrome-related concepts. Cutter F, et al. Q J Stud Alcohol 31:861-7, Dec 70
Self poisoning. Matthew H. Scott Med J 16:362-3, Aug 71
Suicide in children and adolescents. Lordi WM. Va Med Mon 98:209-13, Apr 71
Lethal amphetamine intoxication. A report of three cases. Orrenius S, et al. Z Rechtsmed 67:184-9, 1970
[Severe multiple self-inflicted injuries in a suicidal attempt] Karaivanov M. Khirurgiia (Sofiia) 22:542-3, 1969 (Bul)
[Suicidal poisonings using industrial poisons] David A. Cas Lek Cesk 110:118-22, Feb 71 (Cze)
[Motivation and methods of suicidal behavior] Dobiáš J. Cas Lek Cesk 110:106-9, Feb 71 (Cze)
[Most frequently used substances in suicidal poisonings of adults] Filipová J. Cas Lek Cesk 110:109-13, Feb 71 (Cze)
[Various experience with the laboratory diagnosis of suicidal poisonings] König J, et al. Cas Lek Cesk 110:126-8, Feb 71 (Cze)
[News in the therapy of poisoning by industrial agents] Rejsek K. Cas Lek Cesk 110:133-4, Feb 71 (Cze)
[Suicide attempts using poisons. Collection of papers presented at the 27th Internal Medicine Day in Prague, December 12, 1969. Suicides by poisons. Conclusion] Riedl O. Cas Lek Cesk 110:144, Feb 71 (Cze)
[Suicide attempts from the viewpoint of clinical toxicology] Riedl O. Cas Lek Cesk 110:116-8, Feb 71 (Cze)
[Legal aspects of suicidal behavior] Štěpán J. Cas Lek Cesk 110:141-4, Feb 71 (Cze)
[Suicide attempts using poisons. Collection of papers presented at the 27th Internal Medicine Day in Prague, December 12, 1969. Suicides by poisons. Introduction] Syllaba J. Cas Lek Cesk 110:105-6, Feb 71 (Cze)
[Reconstruction after suicide attempt with great lesions] Fogh-Andersen P, et al. Nord Med 84:1187, 10 Sep 70 (Dan)
[Treatment of self-poisoning. Experiences from an intensive care unit] Pitkäjärvi T, et al. Duodecim 87:733-40, 1971 (Fin)
[Human intoxication by chloralose. Clinical study and electroencephalography] Stoupel N, et al. Acta Neurol Belg 70:352-8, May-Jun 70 (Fre)
[Suicide attempt in children] Lonchamp D, et al. Arch Fr Pediatr 27:998-9, Nov 70 (Fre)
[Suicide attempts of adolescents] Porot M. Evol Psychiatr (Paris) 34:789-813, Oct-Dec 69 (Fre)
[Some sociologic dimensions of a suicide through analysis of information media] Fournier A. Hyg Ment 60:12-7, Mar-Apr 71 (Fre)
[5 cases of craniocerebral wounds caused by projectiles, 4 of them suicidal] Deruty R, et al. J Med Lyon 50:1311-23, 5 Oct 69 (Fre)
[Attempted suicide by mechanical means. Statistics of 348 cases observed at the Service Medical d'Urgence de Lyon] Aoun M, et al. Med Leg Domm Corpor (Paris) 2:407-8, Oct-Dec 69 (Fre)
[Unexpected findings during autopsy of a series of collective deaths (3 dead). Necessity of practicing complete and systematic autopsy. Value of collaboration among physicians, magistrates, police or gendarme departments] Arcadio F, et al. Med Leg Domm Corpor (Paris) 2:276-7, Jul-Sep 69 (Fre)
[Death caused by multiple wounds: homicide or suicide?] Arcadio F, et al. Med Leg Domm Corpor (Paris) 4:190-1, Apr-Jun 71 (Fre)
[Etiology of carbon monoxide poisoning] Petit AG, et al. Med Leg Domm Corpor (Paris) 3:278-82, Jul-Sep 70 (Fre)
[Suicide after involuntary pseudo-homicide in a traffic accident] Petit G, et al. Med Leg Domm Corpor (Paris) 3:423-5, Oct-Dec 70 (Fre)
[Value and limits of judicial inquiry after suicides] Piédelièvre MR. Med Leg Domm Corpor (Paris) 1:360-6, Oct 68 (Fre)
[Tissue distribution of imipramine in man. Apropos of 6 cases of fatal poisoning] Rouzioux JM, et al. Med Leg Domm Corpor (Paris) 4:146-8, Apr-Jun 71 (Fre)
[Rapid death after ingestion of short-acting barbiturates. Apropos of 3 cases] Védrinne J, et al. Med Leg Domm Corpor (Paris) 1:382-4, Oct 68 (Fre)
[Hypoglycemia due to hypoglycemic sulfonamides. 5 cases including 3 fatal] Yacoub M, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Med Leg Domm Corpor (Paris) 4:54-8, Jan-Mar 71 (Fre)
[The lung and massive intentional poisoning by organo-phosphoric substances] Dezoteux H, et al. Poumon Coeur 26:937-40, 1970 (Fre)
[Unsuccessful hangings. Apropos of 4 cases] Gay R, et al. Presse Med 79:484-5, 27 Feb 71 (Fre)
[Problems raised by voluntary mutilations in the army] Vauterin C. Rev Corps Sante Armees 11:451-61, Aug 70 (Fre)
[Interpretation in a suicidal woman] Burger M. Rev Fr Psychanal 34:835-45, Sep 70 (Fre)
[Suicides and attempted suicides by insulin ingestion (apropos of a case)] Tourniaire J, et al. Rev Lyon Med 19:49-58, 30 Jan 70 (Fre)
[Suicide during outpatient treatment] Cherpillod C, et al. Rev Med Suisse Romande 91:257-68, Apr 71 (Fre)
[Epidemiology of asphyxia due to gas. Methodological remarks] Bertin M, et al. Sem Hop Paris 46:2657-71, 20 Oct 70 (Fre)
[Contribution of genetic factors in suicide based on temporary increase in the rate of familial suicides in Swiss isolates] Hanhart E. Arch Julius Klaus Stift Vererbungsforsch 43:305-76, 1968 (Ger)
[Clinical aspects of chlordiazepoxide poisoning] Engelmann L, et al. Dtsch Gesundheitsw 26:435-9, 4 Mar 71 (Ger)
[Acute exogenous intoxications. Observations on type, frequency and developmental tendencies] Schuster HP. Dtsch Med Wochenschr 96:326-32, 19 Feb 71 (Ger)
[Studies on the suicide problem] Böcker F, et al. Fortschr Neurol Psychiatr 38:341-8, Jul 70 (Ger)
[Attempted suicide through intoxication. Biometric studies on 100 patients] Kockott G, et al. Fortschr Neurol Psychiatr 38:441-65, Sep 70 (Ger)
[Evaluation of suicides following traffic accidents] Brettel HF. Hefte Unfallheilkd 107:190-2, 1970 (Ger)
[Suicide on compensation problem damages] Karger J von. Hefte Unfallheilkd 107:193-7, 1970 (Ger)
[Suicide and accident from the viewpoint of medical insurance] Mölihoff G. Hefte Unfallheilkd 107:188-90, 1970 (Ger)
[Psychogenic causes of death] Schlettwein-Gsell D. Hippokrates 41:538, Dec 70 (Ger)
[Obligatory insurance disbursement in suicide during a questionable state of delirium tremens?] Raestrup O. Lebensversicherungsmedizin 23:94-5, Jul 71 (Ger)
[Suicide attempt with intensain] Lechner HJ, et al. Med Klin 66:756-8, 14 May 71 (Ger)
[Attempted suicide or parasuicidal action? Tendency of suicidal behavior] Feuerlein W. Nervenarzt 42:127-30, Mar 71 (Ger)
[Psychopathology of suicide in minors] Hartmann K. Prax Kinderpsychol Kinderpsychiatr 19:168-70, Jul 70 (Ger)
[Suicidal tendencies in neurotic children and adolescents] Löwnau HW. Prax Kinderpsychol Kinderpsychiatr 19:165-7, Jul 70 (Ger)
[Problem of suffering in juveniles with suicidal tendencies] Sandvoss H. Prax Kinderpsychol Kinderpsychiatr 20:132-5, May-Jun 71 (Ger)
[Catamnesis after suicide attempt: therapeutic indications] Hofmann T. Praxis 60:433-44, 6 Apr 71 (Ger)
[Within the scope of the death drive] Garma A. Psyche (Stuttg) 25:433-51, Jun-Jul 71 (Ger)
[Family atmosphere and suicide] Milčinski L. Wien Med Wochenschr 121:220-3, 20 Mar 71 (Ger)
[Subarachnoid hemorrhage after strangulation] Heidrich R. Z Aerztl Fortbild (Jena) 64:946-7, 15 Sep 70 (Ger)
[Problems with suicide in psychiatric clinics] Petri H. Z Psychother Med Psychol 20:10-9, Jan 70 (Ger)
[Subcutaneous emphysema of neck and larynx following attempted strangulation] Hussarek M, et al. Z Rechtsmed 68:41-4, 1971 (Ger)
[Suicide attempt by intravenous injection of air] Szabó M, et al. Z Rechtsmed 68:38-40, 1971 (Ger)
[Suicide I. Social factors, statistical data] Buda B. Orv Hetil 112:1263-7, 30 May 71 (Hun)
[Suicide with digitalis] Völgyi Z. Orv Hetil 111:2124-6, 6 Sep 70 (Hun)
[The role of the physician in the prevention of suicide] Orv Hetil 112:1274-6, 30 May 71 (Hun)
[Case of resuscitation after attempted suicide by hanging] Sforza I, et al. Acta Anaesthesiol (Padova) 20:619-23, May-Jun 69 (Ita)
[On examination of the fundus oculi in a case of slow death by hanging] Della Valle A. Ann Ottalmol Clin Ocul 95:306-12, Apr 69 (Ita)
[Suicide and homicide in the mental patient] Micciolo M. Fracastoro 62:531-8, Sep-Oct 69 (Ita)
[The experience of suicide as a life-history and situational failure] Borgna E, et al. G Psichiatr Neuropatol 97:691-710, 1969 (Ita)
[Suicide with copper sulfate] Baima-Bollone PL. Minerva Medicoleg 90:16-8, Jan-Jun 70 (Ita)
[Another case of suicide due to electric current with prolonged free interval] Tappero P. Minerva Medicoleg 89:25-7, Jan-Feb 69 (Ita)
[Volontary coma caused by barbiturates] Dello Russo R, et al. Rass Int Clin Ter 50:1306-15, 31 Oct 70 (Ita)
[Data on a series of cases of attempted suicide in the evolutive age] Balestri L, et al. Riv Sper Freniatr 93:131-51, 28 Feb 69 (Ita)
[Suicides in patients with pulmonary tuberculosis] Wozna A. Pol Tyg Lek 25:1256-7, 17 Aug 70 (Pol)
[On the suicidal form of a resignation reaction] Popkowska N. Psychiatr Pol 4:531-5, 1970 (Pol)
[Suicide following a conflict with the environment] Wiechowski W. Psychiatr Pol 5:351-3, May-Jun 71 (Pol)
[A case of successful reanimation after pachycarpine poisoning] Zhevnov VN, et al. Klin Med (Mosk) 47:150, Sep 69 (Rus)
[Suicide by being run over by an automobile] Laptev ZL. Sud Med Ekspert 14:58, Jan-Mar 71 (Rus)
[Skull trepanations in suicides] Rafkhman VI. Sud Med Ekspert 13:51-2, Apr-Jun 70 (Rus)
[The suicide problem in capitalist countries] Bashlykov NA. Zdravookhr Ross Fed 15:39-43, Mar 71 (Rus)
[Clinico-statistical characteristics of mental patients performing suicidal acts] Lipanov RG. Zh Nevropatol Psikhiatr 70:1365-8, 1970 (Rus)
[Characteristics of the suicidal acts of mental patients] Lipanov RG. Zh Nevropatol Psikhiatr 71:137-40, 1971 (Rus)
[Various clinical aspects of suicidal tendencies in psychopathic personalities] Pelipas VE. Zh Nevropatol Psikhiatr 70:914-9, 1970 (Rus)
[Acid burns in the stomach. Suicide attempt in a schizophrenic patient] Durling U, et al. Lakartidningen 68:977-9, 24 Feb 71 (Swe)
[Therapy of acute poisonings from the viewpoint of clinical toxicology] Holomáň K. Cas Lek Cesk 110:129-33, Feb 71 (Slo)
[Neck injury by an acute force in the early stage of schizophrenic process] Mitrović M, et al. Med Glas 24:196-8, Apr-May 70 (Cro)
[Dynamics of an apparent autoaggressivness in soldiers] Kapor G. Vojnosanit Pregl 28:127-32, Mar 71 (Cro)

HISTORY

[Thomas Chatterton: an adolescent's suicide in London in 1770] (Chatterton T), Gorceix S, et al. Ann Med Psychol (Paris) 1:161-84, Feb 71 (Fre)

OCCURRENCE

The serious suicide attempt: epidemiological and follow-up study of 886 patients. Rosen DH. Am J Psychiatry 127:764-70, Dec 70
Suicidal children--management. Glaser K. Am J Psychother 25:27-36, Jan 71
Suicide attempts in a population pregnant as teen-agers. Gabrielson IW, et al. Am J Public Health 60:2289-301, Dec 70
On suicides committed under the influence of alcohol in Finland in 1967. Virkkunen M, et al. Br J Addict 65:317-23, Dec 70
Multiple standardization of parasuicide ('attempted suicide') rates in Edinburgh. Buglass D, et al. Br J Prev Soc Med 24:182-6, Aug 70
The influence of parental death anniversaires upon suicide dates. Bunch J, et al. Br J Psychiatry 118:621-6, Jun 71
Suicide and primary affective disorders. Guze SB, et al. Br J Psychiatry 117:437-8, Oct 70
Seasonal variation in suicidal deaths. Lester D. Br J Psychiatry 118:627-8, Jun 71
Suicide risk in teenage pregnancy. Br Med J 2:602, 12 Jun 71
Suicide: seasonal patterns and related variables. Sanborn DE 3d, et al. Dis Nerv Syst 31:702-4, Oct 70
A comparison of suicide victims and suicide attempters in New Hampshire. Segal BE, et al. Dis Nerv Syst 31:830-8, Dec 70
Attempted suicide. Some statistical and psychiatric parameters. I. Sendbuehler JM, et al. Dis Nerv Syst 31:Suppl:59-68, Nov 70
Suicidal behavior among college students. Peck ML, et al. HSMHA Health Rep 86:149-56, Feb 71
An epidemetric study of suicides in Nagpur City for the quinquennium 1953 to 1957. Ramadwar DK, et al. Indian J Public Health 13:144-9, Jul 69
Suicide and Samaritan clients. Barraclough BM, et al. Lancet 2:868-70, 24 Oct 70
Age-sex variations in suicide in Western Australia, 1901-1967. Burvill PW. Med J Aust 2:1113-6, 12 Dec 70
Epidemiology of drug overdosage in Southern Tasmania. Freeman JW, et al. Med J Aust 2:1168-72, 19 Dec 70
The epidemiology of attempted suicide as seen in the casualty department, Alfred Hospital, Melbourne. Oliver RG, et al. Med J Aust 1:833-9, 17 Apr 71
The extent and significance of suicide among American Indians today. Havighurst RJ. Ment Hyg 55:174-7, Apr 71
Death by their own hands--a statistical study of suicides in Nebraska during 1968. Reeve AM. Nebr State Med J 55:680-3, Nov 70
Survey on suicides and accidental poisoning. Baker J. Nurs Times 67:258-61, 4 Mar 71
The taxonomy of suicide as seen in poison control centers. McIntire MS, et al. Pediatr Clin North Am 17:697-706, Aug 70
Completed suicide and latitude. Lester D. Psychol Rep 27:818, Dec 70
Completed suicide and longitude. Lester D. Psychol Rep 28:662, Apr 71
"Attempted suicides". Tsoi Wing Foo. Singapore Med J 11:258-63, Dec 70
Self poisoning by drugs. A survey of admissions in Nigeria. Salako LA. Trop Geogr Med 22:397-402, Dec 70
[Incidence and analysis of accomplished suicides through poisons during 1959-1968] Tesař J, et al. Cas Lek Cesk 110:113-6, Feb 71 (Cze)
[A national survey of suicide] Kruisinga RJ. Ned Tijdschr Geneeskd 114:1508-9, 5 Sep 70 (Dut)
[Accidents, polyvisceral breakdown, violence, and suicides: their medico-legal relation to blood alcohol levels] Petit AG, et al. Med Leg Domm Corpor (Paris) 3:251-7, Jul-Sep 70 (Fre)
[Statistics on the Lyons Poison Control Center] Bourgeat, et al. Rev Lyon Med 19:751-60, 30 Nov 70 (Fre)
[Effects of belonging to a religious denomination on suicide and suicide attempt] Böcker F. Med Welt 14:566-71, 3 Apr 71 (Ger)
[Suicide in children and adolescents] Trube-Becker E. Munch Med Wochenschr 112:750-4, 17 Apr 70 (Ger)
[Evaluation of the incidence of suicide. Scrutiny of the practical usefulness of a risk list for the evaluation of the incidence of suicide] Padrutt H. Praxis 59:403-14, 17 Mar 70 (Ger)
[Suicide as a public health problem: a statistico-epidemiological study made in the province of Ascoli Piceno] Signorini LF, et al. G Ig Med Prev 10:105-28, Apr-Jun 69 (Ita)
[Hospital opinion concerning attempted suicides, suicides, accidental poisonings, self-inflicted injuries and alcoholic toxicosis. (Proposed medical record for reporting them)] Hrovatin G, et al. Minerva Med 61:5871-8, 19 Dec 70 (Ita)
[Suicide and attempted suicide in Trieste. I. Preliminary considerations] Pascalis B. Minerva Med 61:5865-70, 19 Dec 70 (Ita)
[Fatal home accidents in the infantile age] Gilli R, et al. Minerva Pediatr 22:1482-90, 21 Jul 70 (Ita)
[Forensic pathology in Norway 1960-1964. Medico-legally examined suicides] Giertsen JC. Tidsskr Nor Laegeforen 90:1859-61, 15 Oct 70 (Nor)
[Suicide and attempted suicide] Norelk K. Tidsskr Nor Laegeforen 91:183-9, 30 Jan 71 (35 ref.) (Nor)
[Suicide and its dynamics] Wozna A. Wiad Lek 24:289-92, 1 Jul 71 (Pol)
[Studies of psychiatric patients (based on material from postmortem forensic psychiatric expertise)] Felinskaia NI, et al. Sud Med Ekspert 13:45-9, Apr-Jun 70 (Rus)
[Statistical form for the study of suicide] Llanos R. Rev Neuropsiquiatr 33:305-21, Dec 70 (Spa)

PREVENTION & CONTROL

A follow-up study of those who called a suicide prevention center. Wilkins J. Am J Psychiatry 127:155-61, Aug 70
Basic considerations in the psychotherapy of the depressed suicidal patient. Mintz RS. Am J Psychother 25:56-73, Jan 71
Death by suicide in the hospital. An analysis of 20 therapeutic failures. Rotov M. Am J Psychother 24:216-27, Apr 70
Effect of psychiatric intervention in attempted suicide: a controlled study. Greer S, et al. Br Med J 1:310-2, 6 Feb 71
Prevention of suicide. Br Med J 1:419, 20 Feb 71
Prevention of suicide. Bloom V. Curr Psychiatr Ther 10:105-9, 1970
Role of education in reporting attempted suicide. Sanborn DE 3d, et al. Dis Nerv Syst 32:467-71, Jul 71
The treatment of the depressed and suicidal geriatric patient. Wolff K. Geriatrics 26:65-9, Jul 71
Group psychotherapy with suicidal persons: a comparison with standard group methods. Frederick CJ, et al. Int J Soc Psychiatry 16:103-11, Spring 70
Recent progress in suicide research and prevention. Stengel E. Isr Ann Psychiatry 7:127-37, Nov 69
A course on death education and suicide prevention: implications for health education. Leviton D. J Am Coll Health Assoc 19:217-20, Apr 71
Suicide prevention. A study of the community program in Kansas City. Bidwell RE, et al. J Kans Med Soc 72:167-73 passim, Apr 71
Anti-suicide service in New Orleans. Swanson WC. J La State Med Soc 123:83-90, Mar 71
Suicide prevention programs and mental health associations. McGee RK. Ment Hyg 55:66-7, Jan 71
Suicide prevention in Detroit. Danto BL. Mich Med 69:932, Oct 70
Suicide prevention in the military. Rosenbaum M, et al. Milit Med 135:500-1, Jun 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Anonymous suicidal telephone calls: a research critique. Tabachnick N, et al.
Psychiatry 33:526-32, Nov 70
Comments on "the suicide prevention contribution to mental health" by David Lester. Hitchcock J.
Psychol Rep 28:986, Jun 71
Geographical location of callers to a suicide prevention center: note on the evaluation of suicide prevention programs. Lester D. Psychol Rep 28:421-2, Apr 71
Attitudes toward death held by staff of a suicide prevention center. Lester D.
Psychol Rep 28:650, Apr 71
The suicide prevention contribution to mental health. Lester D. Psychol Rep 28:903-5, Jun 71
Today's students. (c). Suicide among students and its prevention. Fox R. R Soc Health J 91:181-5, Jul-Aug 71
[Telephonic assistance in the prevention of suicides] Plzák M. Cas Lek Cesk 110:124-6, Feb 71 (Cze)
[Metacommunication and suicide prevention] Oosterhuis WW.
Ned Tijdschr Geneeskd 114:2001-2, 28 Nov 70 (Dut)
[Suicide prevention in a general hospital] Gunn-Séchehaye A.
Rev Med Suisse Romande 91:245-56, Apr 71 (Fre)
[Methods of preventing suicide] Kovács I.
Orv Hetil 111:1673, 12 Jul 70 (Hun)
[Antidepressive agents and the risk of suicide] Naess K. Tidsskr Nor Laegeforen 91:892, 30 Apr 71 (Nor)
[Administration of antidepressive agents in general practice with special regard to the risk of suicide] Retterstol N.
Tidsskr Nor Laegeforen 91:889-91, 30 Apr 71 (Nor)
[Social evaluation of certain forms of suicide prophylaxis] Kosiacz A, et al.
Pol Tyg Lek 25:1166-8, 3 Aug 70 (Pol)
[Suicide can be prevented]
Lakartidningen 66:4622-3, 5 Nov 69 (Swe)

SULFACETAMIDE (D3)

The effect of antioxidants on the hydrolytic and oxidative degradation of sulphacetamide in aqueous solutions. Davies DJ, et al.
J Pharm Pharmacol Suppl:43S+, Dec 70
The effect of heat, pH and some buffer materials on the hydrolytic degradation of sulphacetamide in aqueous solution. Meakin BJ, et al.
J Pharm Pharmacol 23:252-61, Apr 71

ADMINISTRATION & DOSAGE

[Effect of bactericidal concentrations of chemotherapeutic compounds on El-Tor and the classical cholera vibrios depending on the time of contact and the inoculation dose] Ganin VS, et al.
Antibiotiki 15:712-5, Aug 70 (Rus)

BLOOD

The effect of SKF 525-A on drug concentration in the blood. McLean S, et al. Life Sci [I] 9:1075-80, 15 Sep 70

METABOLISM

Effect of SKF 525-A on drug absorption in rats. Hayton WL, et al. Life Sci [I] 10:691-7, 15 Jun 71

POISONING

[Supracid-induced methemoglobinemia with fatal outcome in a young infant] Güttner J.
Paediatr Grenzgeb 9:71-6, 1970 (Ger)

RADIATION EFFECTS

Effects of -irradiation on sodium sulphacetamide. Phillips GO, et al. Radiat Res 46:236-50, May 71

SULFADIAZINE (D3)

Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71

ADMINISTRATION & DOSAGE

The treatment of vaginitis with quinettes--a clinical study. Gravlee LC Jr.
J Med Assoc State Ala 40:172-5, Sep 70
[Clinical studies with a delayed-action sulfonamide, Sulfaciomide] Heise GW, et al.
Z Urol Nephrol 62:303-6, 1969 (Ger)

ADVERSE EFFECTS

Acute tubulo-interstitial nephritis following sulfadiazine therapy. Robson M, et al.
Isr J Med Sci 6:561-6, Jul-Aug 70
[Agranulocytosis. Analysis of 29 episodes in 19 patients] Ríos Sánchez I, et al.
Rev Invest Clin 23:29-42, Jan-Mar 71 (Spa)

METABOLISM

Urinary excretion and plasma levels of sulphonamides in patients with renal impairment. Adam WR, et al.
Australas Ann Med 19:250-4, Aug 70
The uptake of 35S sulfadiazine by sulfonamide-sensitive and resistant Neisseria meningitidis with reference to its mode of action. Vaichulis EM, et al. Chemotherapy 16:153-61, 1971
Studies on the physiological availability and metabolism of sulfonamides. I. Sulfadiazine. Van Petten GR, et al. J Clin Pharmacol 11:27-34, Jan-Feb 71
Physiologic surface-active agents and drug absorption. 8. Effect of bile flow on sulfadiazine absorption in the rat. Nightingale CH, et al. J Pharm Sci 60:145-7, Jan 71

PHARMACODYNAMICS

Epidemiology of sulfonamide-resistant meningococcal infections in a civilian population. Foster MT Jr, et al.
Am J Epidemiol 93:346-53, May 71
Sensitivity of Neisseria meningitidis to rifampin, penicillin, and sulfadiazine. O'Beirne A, et al.
Am J Med Sci 262:33-7, Jul 71
Susceptibility of Neisseria meningitidis strains from the civilian population to sulfadiazine, penicillin, and rifampin. Wiggins GL, et al.
Appl Microbiol 20:893-8, Dec 70
Sulphadiazine-resistant Neisseria meningitidis. Jassie N. Lancet 1:84-5, 9 Jan 71
Group-A sulphadiazine-resistant Neisseria meningitidis in Ethiopia. Wright LJ, et al.
Lancet 2:1033, 14 Nov 70
The sensitivity of Salmonella choleraesuis to sodium sulphadiazine. Chung GT, et al.
Res Vet Sci 12:287-9, May 71
[1st results on the drugs active in vitro on soil amoebas which cause human meningoencephalitis] De Carneri I. G Mal Infett Parassit 22:239-40, Sep 70 (Ita)

THERAPEUTIC USE

In vivo antibacterial activity of diaveridine-sulfonamide combinations. Carroll PT, et al. Invest Urol 9:21-4, Jul 71
The use of sulfadiazene in acute perforated appendicitis in children. Jewett TC Jr, et al.
J Pediatr Surg 6:121-3, Apr 71
A clinical trial using trimethoprimsulphadiazine in dogs and cats. McCaig J. Vet Rec 87:265-6, 29 Aug 70
[Long-term therapy of experimental E. coli cystitis with combination of sulfadiazine and nitrofurantoin] Prát V, et al. Cas Lek Cesk 110:558-61, 11 Jun 71 (Cze)
[Therapy of urinary tract infections] Redecker KD.
Ther Ggw 110:92-6, Jan 71 (Ger)
[2 types of effects of a metabolite, essential for the causative agent, on the effectiveness of chemotherapeutic drugs. II. The effect of paraaminobenzoic acid on the effectiveness of chloroquine in Plasmodium berghei berghei infections] Kirakosian SD.
Med Parazitol (Mosk) 39:662-71, Nov-Dec 70 (Rus)
[Purulent meningoencephalitis. Comparison of treatment with penicillin-chloramphenicol-sulfadiazine and ampicillin] Sánchez-Rebolledo JM, et al.
Gac Med Mex 101:747-58, Jun 71 (Spa)

SULFADIMETHOXINE (D3)

[Use of polyvinyl alcohol and Tween-80 for preparation of the suspension of sulfadimethoxine (Madribon)] Kuprina NA, et al.
Farmatsiia 20:16-9, Mar-Apr 71 (Rus)

ADMINISTRATION & DOSAGE

Safety of sulfadimethoxine potentiated mixture (Rofenaid), a new broad spectrum coccidiostat-antibacterial, in turkeys. Marusich WL, et al. Poult Sci 50:512-7, Mar 71
Anticoccidial activity of sulfadimethoxine potentiated mixture (Rofenaid) in turkeys. Mitrovic M, et al.
Poult Sci 50:517-25, Mar 71
Antibacterial activity of sulfadimethoxine potentiated mixture (Rofenaid) in turkeys. Mitrovic M, et al.
Poult Sci 50:525-9, Mar 71

ANALYSIS

[Spectrophotometric determination of sulfapyridazine and sulfadimethoxine in tablets] Chichiro VE, et al.
Farmatsiia 19:43-5, Jul-Aug 70 (Rus)

METABOLISM

The metabolism of certain drugs and food chemicals in man. Williams RT.
Ann NY Acad Sci 179:141-54, 6 Jul 71 (31 ref.)
The fate of sulphadimethoxine in primates compared with other species. Adamson RH, et al.
Biochem J 118:41-5, Jun 70
Transformation and excretion of drugs in biological systems. V. Correlation between renal excretion and biotransformation of sulfadimethoxine. Arita T, et al.
Chem Pharm Bull (Tokyo) 19:930-6, May 71
The influence of protein binding on the excretion of some sulphanilamidopyrimidines in man. Walker SR.
J Pharm Pharmacol 22:574-7, Aug 70
[Sulfadimethoxine in fowls. 3. Eggs and other tissue levels of sulfonamides] Onodera T, et al.
Jap J Vet Sci 32:275-83, Dec 70 (Jap)

PHARMACODYNAMICS

The minimal inhibitory concentrations of sulphadimethoxine and sulphadoxine against Mycobacterium leprae. Ellard GA, et al.
Lepr Rev 41:223-8, Oct 70
Rofenaid treatment of Arizona (paracolon) 7:1,7,8 and Salmonella typhimurium infections in young turkeys. Stephens JF, et al. Poult Sci 50:925-31, May 71
[Study of sensitivity of Staphylococcus and Pseudomonas aeruginosa toward tetracycline and its combinations with sulfonamides of prolonged action] Shestialtynova IS. Antibiotiki 15:840-2, Jul 70 (Rus)

THERAPEUTIC USE

Osseous sporotrichosis. Failure of treatment with potassium iodide and sulfadimethoxine and success with amphotericin B. Gladstone JI, et al.
Am J Med 51:121-33, Jul 71
[Some new aspects of purulent meningitis in Sahelian Africa. Clinical, bacteriological and therapeutic study of 368 cases observed in 1969 at Fort-Lamy (Tchad)] Sirol J, et al.
Med Trop (Mars) 29:443-54, Jul-Aug 69 (Fre)
[Testing of coccidiostatic medicines in field experiments on rabbits] Dürr U, et al.
Berl Munch Tieraerztl Wochenschr 83:50-4, 1 Feb 70 (Ger)
[Chemotherapy of liver coccidiosis in the rabbit using sulfadimethoxine-diaveridine] Lämmler G, et al.
Berl Munch Tieraerztl Wochenschr 82:480-4, 15 Dec 69 (Ger)

SULFAETHIDOLE see under SULFATHIAZOLES (D3)

SULFAMERAZINE (D3)

[Rheologic study of sulfamide suspensions stabilized by tragacanth gum] Moës A.
J Pharm Belg 25:468-74, Nov-Dec 70 (Fre)

METABOLISM

Terramycin and sulphamerazine residues in muscle tissue and interior organs of rainbow trout after oral drug treatment. Silvén L, et al.
Bull Off Int Epizoot 69:1465-74, Sep-Oct 68
[Placentar passage of long-lasting sulfonamides with special reference to chlorsulfisomidine (Sulfaclomid)] Rumler W, et al.
Dtsch Gesundheitsw 25:1900-3, 1 Oct 70 (Ger)

PHARMACODYNAMICS

Lipid soluble weak organic acid buffers as "substrate" for pancreatic secretion. Schulz I, et al.
Pfluegers Arch 323:121-40, 1971

SULFAMETHAZINE (D3)

Compression of pharmaceuticals. 3. Study on sulphadimidine. Biaey CJ de, et al.
Pharm Weekbl 106:589-99, 30 Jul 71

ADMINISTRATION & DOSAGE

Value of chlortetracycline and sulfamethazine for conditioning feeder cattle after transit. Perry TW, et al. J Anim Sci 32:137-40, Jan 71
The influence of compression and formulation on the hardness, disintegration, dissolution, absorption and excretion of sulphadimidine tablets. Oudtshoorn MC van, et al. J Pharm Pharmacol 23:583-6, Aug 71
[Sulfamethazine and furazolidone administration through a milk exchanger in healthy calves--absorption, tolerance and plasma concentrations] Mülling M, et al.
Berl Munch Tieraerztl Wochenschr 84:1-3, 1 Jan 71 (Ger)

ADVERSE EFFECTS

[Case of toxic epidermal necrolysis in a 6-year-old child] Ocheret'ko MP. Pediatriia 49:86, Jul 70 (Rus)

METABOLISM

Tissue-residue depletion of sulfamethazine in calves and chickens. Righter HF, et al.
Am J Vet Res 32:1003-6, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHARMACODYNAMICS

[Pharmacokinetic studies with nitrofurantoin, sulfadimidine and sulfamethoxy-pyridazine in early pregnancy] Kobyletzki D von, et al.
Acta Pharm Hung 41:97-102, 1971 (Hun)
[Effect of choridine and sulfadimezine on the content of coenzyme forms of nicotinic acid in the blood and organs of albino rats] Mikhalevskaia LA, et al.
Farmakol Toksikol 33:701-2, 1970 (Rus)

THERAPEUTIC USE

[Treatment of chronic acquired toxoplasmosis with a chloridin-sulfadimezin-pyrogenal complex] Averina NI. Sov Med 33:141-2, Jul 70 (Rus)

URINE

Sulphonamide concentrations in urine during forced diuresis. Tuomisto J, et al.
Ann Med Exp Biol Fenn 48:195-9, 1970

SULFAMETHIZOLE see under SULFATHIAZOLES

(D3)

SULFAMETHOXAZOLE (D3)

ADMINISTRATION & DOSAGE

Trimethoprim-sulphamethoxazole in enteric fevers. Bassily S, et al. Br Med J 1:230-1, 23 Jan 71
Evaluation of trimethoprim-sulphamethoxazole compound in treatment of salmonella infections. Geddes AM, et al. Br Med J 3:451-4, Aug 71
Trimethoprim-sulphamethoxazole in the treatment of pneumonia. A clinical trial. Forbes JI.
Cent Afr J Med 17:11-6, Jan 71
Complicated nocardiosis successfully treated with trimethoprim and sulphamethoxazole. Evans RA, et al. Med J Aust 1:684-5, 27 Mar 71
Sulphamethoxazole-trimethoprim in infancy. Roy LP.
Med J Aust 1:148-50, 16 Jan 71
Results of treatment of 108 patients using trimethoprim plus sulphamethoxazole. Stratford BC, et al. Med J Aust 1:526-31, 6 Mar 71
[Uncomplicated gonorrhea treated with Trimethoprim and sulphamethoxazol] Jorgensen BL, et al.
Ugeskr Laeger 133:1259-60, 2 Jul 71 (Dan)
[Clinical study of the sulfamethoxazole-trimethoprim combination in urology] Rager J.
Acta Urol Belg 37:399-406, 1969 (Fre)
[Antibacterial drugs in the treatment of bronchopulmonary suppurations (apropos of the trial of a new bactericide)] Bourgeois P, et al.
Therapeutique 47:351-6, Apr 71 (Fre)
[Clinical trial of a combination of Sulfamethoxazol with Trimethoprin: Bactrim Roche] Bosshard J.
Praxis 59:937-9, 23 Jun 70 (Ger)
[Therapy of urinary tract infections with trimethoprim sulfamethoxazole in urologic practice] Klütz W.
Z Allgemeinmed 47:710-1, 10 May 71 (Ger)
[Utilization in tropical pediatry of a new chimiotherapic bactericid agent: the Ro 6-2580 "Bactrim of Roche"] Sagnet H, et al.
Med Trop (Mars) 31:173-6, Mar-Apr 71 (Rus)
[Clinical test of the combination trimethoprime-sulphamethoxazol in pediatrics] Banzas TM, et al.
Prensa Med Argent 57:1202-8, 14 Aug 70 (Spa)
[Sulfonamide potentiation in the treatment of typhoid fever] Figueroa Egea J.
Rev Clin Esp 117:349-58, 31 May 70 (Spa)
[The result of combined trimethoprim-sulphametoxazole treatment in urinary tract infection] Orsten PA, et al.
Nord Med 85:779, 24 Jun 71 (Swe)

ADVERSE EFFECTS

Leucopenia associated with trimethoprim-sulphamethoxazole after renal transplantation. Hulme B, et al.
Br Med J 3:610-2, 11 Sep 71
Thrombocytopenia following administration of "septrin". McPherson VJ, et al.
Med J Aust 2:754, 17 Oct 70
Acute thrombocytopenic purpura associated with "Septrin". Rickard KA, et al.
Med J Aust 1:769-70, 3 Apr 71
Haematological changes in a patient on long-term treatment with a trimethoprim-sulphonamide combination. Jewkes RF, et al.
Postgrad Med J 46:723-6, Dec 70

METABOLISM

The renal distribution of sulfonamides. Mobley JE, et al. Surg Gynecol Obstet 131:1122-4, Dec 70

PHARMACODYNAMICS

Combined action of sulfamethoxazole, trimethoprim, and ethylenediaminetetraacetic acid on Pseudomonas aeruginosa. Rawal BD, et al.
Appl Microbiol 21:367-8, Feb 71
Pharmacokinetics of sulfamethoxazole plus trimethoprim in man and their distribution in the rat. Schwartz DE, et al. Chemotherapy 15:337-55, 1970
Clinical-pharmacological and experimental investigations with Septrin. Biró L, et al.
Int Z Klin Pharmakol Ther Toxikol 4:328-37, Apr 71
Colistin, sulphamethoxazole, and trimethoprim in synergy against Gram-negative bacteria. Simmons NA. J Clin Pathol 23:757-64, Dec 70
In-vitro sensitivity of Shigella sonnei to trimethoprim and sulphamethoxazole. Jarvis KJ, et al.
J Med Microbiol 3:554-7, Aug 70
Trimethoprim and sulfamethoxazole in pregnancy. Gonzalez Ochoa A. JAMA 217:1244, 30 Aug 71
In-vitro sensitivity of 368 urinary organisms to trimethoprim-sulphamethoxazole and other antibacterials. Hunter IJ.
Med J Aust 2:317-21, 15 Aug 70
Trimethoprim and sulphonamides: laboratory studies. Bushby SR. S Afr Med J 44:Suppl:3-10, 15 Aug 70
Trimethoprim: biochemical basis for sulphonamide potentiation. Hitchings GH.
S Afr Med J 44:Suppl:1-2, 15 Aug 70
[Synergism of trimethoprim-sulfamethoxazole association] Pechère JC.
Pathol Biol (Paris) 19:621-6, Jun-Jul 71 (Fre)
[Methods for testing bacterial resistance to active substance combinations using trimethoprim and sulfamethoxazol as an example] Gallien R, et al.
Arzneim Forsch 21:577-83, May 71 (Ger)
[Resistance determinations in microorganisms causing dysenteria with regard to sulfamethoxazol-trimethoprim] Titze W.
Arzneim Forsch 21:597-8, May 71 (Ger)
[Laboratory findings on a combination of trimethoprim and sulfamethoxazole] Legler F.
Dtsch Med Wochenschr 96:823-4 passim, 7 May 71 (Ger)
[Effectivity of a sulfonamide-trimethoprim combination against various gram-negative rods and gram-positive cocci in the agar diffusion test] Tiesler E. Med Klin 65:1825-8, 16 Oct 70 (Ger)
[The antibacterial spectrum of the combination preparation Bactrim Roche] Schmid W.
Med Welt 6:228-9, 6 Feb 71 (Ger)
[Changes in the intestinal flora induced in man by Bactrim] Näff H.
Pathol Microbiol (Basel) 37:1-22, 1971 (Ger)
[Comparative resistance determinations of urinary microbes in various media with special consideration of Bactrim-Roche] Zechner E.
Wien Klin Wochenschr 82:340-3, 1 May 70 (Ger)
[Further ideas on associations of antimicrobial drugs] Checcacci L. Minerva Med 62:521-32, 10 Feb 71 (Ita)
[Synergistic effect of trimethoprim and sulfamethoxazole on staphylococci, group A streptococci and displococcus pneumoniae] Cybulska J, et al. Med Dosw Mikrobiol 23:117-21, 1971 (Pol)
[Septrin. Sensitivity tests of 618 strains of gram-negative bacilli isolated from urinary infections] State D.
Microbiol Parazitol Epidemiol (Bucur) 16:235-40, May-Jun 71 (Rum)
[Bacterial sensitivity to a new antibiotic combination] Bertello LF, et al.
Prensa Med Argent 58:683-5, 1971 (Spa)

THERAPEUTIC USE

Trimethoprim plus sulphamethoxazole compared with chloroquine in the treatment and suppression of malaria in African schoolchildren. Fasan PO.
Ann Trop Med Parasitol 65:117-21, Mar 71
A comparative trial of ampicillin, tetracycline and a combination of trimethoprim and sulphamethoxazole in the treatment of respiratory infections. Howells CH, et al. Br J Clin Pract 25:77-80, Feb 71
A comparison of trimethoprim-sulphamethoxazole with oxytetracycline in acne vulgaris. Cotterill JA, et al. Br J Dermatol 84:366-9, Apr 71
The effect of trimethoprim-sulphamethoxazole on sebum excretion rate and biochemistry in acne vulgaris. Cotterill JA, et al.
Br J Dermatol 85:130-3, Aug 71
Trimethoprim-sulphamethoxazole (Septrin) in the treatment of rectal gonorrhoea. Waugh MA.
Br J Vener Dis 47:34-5, Feb 71
Comparative trial of tetracycline, chloramphenicol, and trimethoprim-sulphamethoxazole in eradication of Vibrio cholerae El Tor. Gharagozloo RA, et al.
Br Med J 4:281-2, 31 Oct 70
Trimethoprim-sulphamethoxazole in acute brucellosis. Hassan A, et al. Br Med J 3:159-60, 17 Jul 71
Trimethoprim-sulphamethoxazole in typhoid. Wicks AC, et al. Br Med J 4:52, 3 Oct 70
Clinical trial with sulphamethoxazole--trimethoprim in infantile gastroenteritis. Fakouhi T, et al.
Curr Ther Res 13:13-7, Jan 71
Treatment of urinary tract infections. Open comparative trial. Bernstein-Hahn L, et al.
Int Surg 56:8-12, Jul 71
A haematological study of patients receiving long-term treatment with trimethoprim and sulphonamide. Jenkins GC, et al. J Clin Pathol 23:392-6, Jul 70
Sulphamethoxazole-trimethoprim: the first two years. Reeves DS. J Clin Pathol 24:430-7, Jul 71
Trimethoprim-sulphamethoxazole combination in the treatment of falciparum malaria. Benjapongs W, et al.
J Med Assoc Thai 53:849-56, Dec 70
Nocardiosis: diagnosis and management, with a report of three cases. Adams AR, et al.
Med J Aust 1:669-74, 27 Mar 71
The use of trimethoprim and sulphamethoxazole in the management of chronic and recurrent upper and lower urinary tract infection. Nanra RS, et al.
Med J Aust 1:25-7, 2 Jan 71
The use of 'Septrin' in the treatment of upper respiratory-tract infections. Mallett E, et al.
Practitioner 205:807-11, Dec 70
Combination of sulphamethoxazole and trimethoprim in the treatment of acute and chronic bronchitis. De Kock MA, et al. S Afr Med J 44:1064-5, 19 Sep 70
National use of trimethoprim and sulphamethoxazole for one year--problems and solutions. Fowle AS.
S Afr Med J 44:Suppl:15-20, 15 Aug 70
Clinical applications of trimethoprim-sulphamethoxazole: achievements and prospects. Garrod LP.
S Afr Med J 44:Suppl:12-4, 15 Aug 70
A double-blind cross-over trial of trimethoprim and sulphamethoxazole in chronic bronchitis. Webster IW. Thorax 26:319-24, May 71
Trimethoprim-sulphamethoxazole in typhoid fever. Sardesai HV, et al.
Trans R Soc Trop Med Hyg 65:189-94, 1971
Successful treatment of subcutaneous phycomycosis with trimethoprim-sulphamethoxazole (Septrin). Fomufod AK, et al. Trop Geogr Med 23:208-11, Jun 71
[The use of a combination of trimethoprim and sulphamethoxazole in the treatment of urinary tract infections] Kasanen A, et al.
Duodecim 86:1104-10, 1970 (Fin)
[Apropos of the trimethoprime-sulfamethoxazole combination in obstetrical practice (apropos of 55 cases)] Péborde J, et al.
Bord Med 4:2035-8, Jun 71 (Fre)
[Studies of combination trimethoprim-sulfamethoxazole in urology] Schulman CC. Praxis 60:15-7, 5 Jan 71 (Fre)
[Treatment of urinary infections with Bactrim] Hentsch D, et al.
Rev Med Suisse Romande 91:413-21, Jun 71 (Fre)
[Sulfamethoxazole and trimethoprim in short- and long-term therapy of chronic-recurrent bronchitis. Experience in prolonged medication up to two years] Bloedner CD. Arzneim Forsch 21:583-6, May 71 (Ger)
[Auxiliary chemotherapy in bacterial infections of the hand] Brug E, et al.
Arzneim Forsch 21:586-8, May 71 (Ger)
[Experience with the combination sulfamethoxazole and trimethoprim in the treatment of Shigella-Flexner infections] Freiberg T.
Arzneim Forsch 21:599-600, May 71 (Ger)
[Therapy of bacterial infections in childhood with a drug combination of sulfamethoxazole and trimethoprim] Gruber E.
Arzneim Forsch 21:590, May 71 (Ger)
[Pediatric experience with a combination of sulfamethoxazole and trimethoprim] Hannen W.
Arzneim Forsch 21:591-2, May 71 (Ger)
[Experience with the combination of sulfamethoxazole and trimethoprim in the otorhinolaryngologic practice] Kaller H.
Arzneim Forsch 21:594-5, May 71 (Ger)
[Clinical experience with the combination of sulfamethoxazole and trimethoprim in gynecology and obstetrics] Roosen D.
Arzneim Forsch 21:588-9, May 71 (Ger)
[Therapeutic results with the combination of sulfamethoxazole and trimethoprim in acute and chronic urinary tract infections] Schalkhäuser K, et al. Arzneim Forsch 21:592-4, May 71 (Ger)
[Therapeutic experience with a new sulfonamide combination in general practice] Vorberg G.
Arzneim Forsch 21:596-7, May 71 (Ger)
[Sulfamethoxazol-trimethoprim (Bactrim) in chronic recurring bronchitis] Bloedner CD.
Dtsch Med Wochenschr 96:85, 8 Jan 71 (Ger)
[Clinical experiences with trimethoprim-sulfamethoxazole in pyelonephritis] Glavicki S. Med Monatsschr 25:285-7, Jun 71 (Ger)
[Treatment of bacterial infections with a new broad-spectrum anti-infective agent in general practice] Gozdz H, et al.
Med Welt 39:1709-10, 26 Sep 70 (Ger)
[Results of the use of a combination of trimethoprim and sulfamethoxazole in urology] Wagner JD.
Med Welt 13:509-11, 27 Mar 71 (Ger)
[Treatment of inflammatory diseases of the urogenital tract with eusaprim] Hofstetter A, et al.
Munch Med Wochenschr 113:432-6, 19 Mar 71 (Ger)
[Long-term treatment of chronic bronchitis with the broadspectrum chemotherapeuticum "Bactrim"] Marcic I, et al. Pneumonologie 142:59-66, 1970 (Ger)
[Treatment of chronic purulent bronchitis with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Eusaprim] Uttecht G.
Ther Ggw 109:1039-44, Jul 70 (Ger)
[First experience with a combined chemotherapeutic agent in pyelonephritis] Davogg S, et al.
Wien Klin Wochenschr 82:337-9, 1 May 70 (Ger)
[Effectiveness of a new bactericide combination (bactrim) in urinary tract infections in older women] Hirn S.
Wien Klin Wochenschr 82:681-3, 25 Sep 70 (Ger)
[Chemotherapeutic results in chronic pyelonephritis with a combination of trimethoprim with sulfamethoxazole (Eusaprim)] Hitzenberger G.
Wien Klin Wochenschr 82:343-6, 1 May 70 (Ger)
[Experiences with a new chemotherapeutic agent in urinary tract infections in infants] Stögmann W, et al.
Wien Med Wochenschr 121:10-2, 9 Jan 71 (Ger)
[A new antibacterial drug (trimethoprim-sulfo-methoxazole) in the treatment of the bronchitic syndrome] Titscher R.
Wien Med Wochenschr 120:260-2, 11 Apr 70 (Ger)
[A new chemotherapeutic agent Ro 062580 for management of chronic unspecific urinary tract infection (report on 110 patients)] Ultzmannh.
Wien Med Wochenschr 120:33-8, 17 Jan 70 (Ger)
[Clinical experience with bactrim therapy mainly in childhood urinary tract infections] Borsche A.
Z Allgemeinmed 47:961-3, Jun 71 (Ger)
[Experiences with a new chemotherapeutic agent in pediatrics] Bucke B.
Z Allgemeinmed 46:1798-9, 31 Dec 70 (Ger)
[Sulfamethoxazole-trimethoprim combination in the therapy of urinary infections] Coppi F.
Arch Ital Urol Nefrol 43:184-91, 1970 (Ita)
[Clinical evaluation of a new chemotherapeutic agent in the treatment of bacterial infections in pediatrics] Toniolo G, et al. Fracastoro 63:845-55, Nov-Dec 70 (Ita)
[Results of treatment with trimethoprim-sulfamethoxazole in dermovenereology] Randazzo SD.
G Ital Dermatol 46:269-72, Jun 71 (Ita)
[Trimethoprim sulfamethoxazole in urinary tract infection] Haveland H.
Nord Med 84:1428-31, 5 Nov 70 (Nor)
[Use of sulphamethoxazol-trimethoprim in urinary infection] Severo V, et al.
Rev Bras Med 28:235-9, May 71 (Por)
[Studies of the trimethoprim-sulfamethoxazole therapeutic combination] Aguirre M, et al.
Rev Clin Esp 117:480-96, 15 Jun 70 (Spa)
[Applications of a new chemotherapeutic of infections found in medical practice] Ballesteros JM, et al.
Rev Clin Esp 119:253-8, 15 Nov 70 (Spa)
[New drug combination (trimethoprim and sulfamethoxazole) in the treatment of bronchopulmonary infections] Martínez Glez-Río J, et al. Rev Clin Esp 115:189-96, 15 Nov 69 (Spa)
[Abactrim in salmonellosis] Quintanilla Ulla J.
Rev Clin Esp 119:149-52, 31 Dec 70 (Spa)
[Bacteriuria in permanent catheterization. Response treatment with trimethoprim-sulfamethoxazole (Septrin)] Vela Navarrete R, et al.
Rev Clin Esp 120:143-6, 31 Jan 71 (Spa)

URINE

Sulphonamide concentrations in urine during forced diuresis. Tuomisto J, et al.
Ann Med Exp Biol Fenn 48:195-9, 1970

SULFAMETHOXYPYRIDAZINE (D3)

ADMINISTRATION & DOSAGE

[Prospective comparison between nitrofurantoin and sulphamethoxydiazine in the long-term therapy of children suffering from severe chronic recurrent pyelonephritis] Olbing H, et al.
Dtsch Med Wochenschr 95:2469-73, 4 Dec 70 (Ger)
[Clinical experiences with an ultra-long-term sulfonamide, Longum] Blosen E, et al.
Z Allgemeinmed 47:297-8, 28 Feb 71 (Ger)
[Sulfamethopyrazine in the treatment of leprosy] Lima Filueira A. Rev Bras Med 27:157-8, Mar 70 (Por)

ADVERSE EFFECTS

[Geometric phagedenism] Bombart, et al.
Bull Soc Fr Dermatol Syphiligr 77:360-2, 1970 (Ger)

ANALYSIS

[Spectrophotometric determination of sulfapyridazine and sulfadimethoxine in tablets] Chichiro VE, et al.
Farmatsiia 19:43-5, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

[Effects on Proteus of the colistin sulfamethoxypyridazine association] Courtieu AL, et al.
Pathol Biol (Paris) 19:649-54, Jun-Jul 71 (Fre)
[Pharmacokinetic studies with nitrofurantoin, sulfadimidine and sulfamethoxy-pyridazine in early pregnancy] Kobyletzki D von, et al.
Acta Pharm Hung 41:97-102, 1971 (Hun)
[Study of sensitivity of Staphylococcus and Pseudomonas aeruginosa toward tetracycline and its combinations with sulfonamides of prolonged action] Shestialtynova IS. Antibiotiki 15:840-2, Jul 70 (Rus)

THERAPEUTIC USE

[Sulfamethoxypyrazine in urologic practice. Clinical and pharmacological study] Denis L, et al.
Acta Urol Belg 37:407-12, 1969 (Fre)
[Attempted retrieval of a sulfonamide resistant strain of Plasmodium berghei] Dupoux R, et al.
Bull Soc Pathol Exot 62:1072-7, Nov-Dec 69 (Fre)
[Antimicrobial therapy in ro cases of obstructive chronic bronchopneumopathy] Noya M, et al.
Rev Clin Esp 121:47-50, 15 Apr 71 (Spa)

URINE

Sulphonamide concentrations in urine during forced diuresis. Tuomisto J, et al.
Ann Med Exp Biol Fenn 48:195-9, 1970

SULFANILAMIDE (D3)

Nuclear magnetic resonance studies of bovine carbonic anhydrase. Binding of sulfonamides to the zinc enzyme. Lanir A, et al.
Biochemistry 10:1024-32, 16 Mar 71
Structural studies on molecular complexes. V. Crystal structures of sulfathiazole-sulfanilamide and sulfathiazole-theophylline complexes. Shefter E, et al. J Pharm Sci 60:282-6, Feb 71
[Tablets. I. Influence of granulometry and the presence of ether bound non-ionic surfactants on the quality of grains and tablets of sulfanilamide] Duchêne D, et al.
Ann Pharm Fr 27:309-22, Apr 69 (Fre)
[Photosensitivity caused by sulfa drugs. 3. Role of p-hydroxylaminobenzene sulfonamide in photosensitization by sulfamiliamide] Shimotoge M.
Jap J Allergy 19:770-6, Oct 70 (Jap)
[Sulfaisodimin and advertising] Midtvedt T.
Tidsskr Nor Laegeforen 91:1348, 20 Nov 71 (Nor)

ADMINISTRATION & DOSAGE

[Clinical trial of the chemotherapeutic agent Borgal in various infections of domestic animals] Gehring W, et al.
Berl Munch Tieraerztl Wochenschr 84:105-9, 15 Mar 71 (Ger)
[Effect of antirheumatic agents on the autoimmune reaction in vitro] Sachkov VI, et al.
Farmakol Toksikol 34:77-9, 1971 (Rus)

ADVERSE EFFECTS

Contact dermatitis to mafenide acetate. Velasco JE, et al. Arch Dermatol 103:61-3, Jan 71

ANALYSIS

[Glycerin ester of higher fatty acids as pharmaceutic aids. 6. Release of an imbedded drug from tablets containing higher fatty acids and their esters] Chalabala M, et al. Pharmazie 25:535-8, Sep 70 (Ger)
[Mechanism of hydrolysis of N4-substituted sulfanilamides in vivo] Funk KF, et al.
Pharmazie 25:557-60, Sep 70 (Ger)
[Effect of cortisone, sodium salicylate and amidopyrine on the formation of granulomatous sac barrier mechanisms] Stamova LG.
Farmakol Toksikol 34:183-5, 1971 (Rus)

BLOOD

Comparison among sulfanilamide concentrations in the fetal, umbilical, maternal blood and amniotic fluid. Boulos BM, et al.
Arch Int Pharmacodyn Ther 191:142-6, May 71
Evidence for capacity-limited biotransformation of sulfanilamide. Levine RR, et al.
J Pharm Sci 59:1845-7, Dec 70

CHEMICAL SYNTHESIS

[Pyrazole sulfanilamides. XI. Ethoxy derivatives of phenyl-3-sulfanilamidopyrazole, phenyl-4-sulphanilamidopyrazole, 1-phenyl-5-sulfanilamidopyrazole, 1-phenyl-3-methyl-5-sulfanilamidopyrazole] Alberti C, et al. Farmaco [Sci] 26:66-88, Jan 71 (Ita)
[Pyrazole sulfanilamides. XII. Amino derivatives of 1-phenyl-5-sulfanilamidopyrazole and of 1-phenyl-3-methyl-5-sulfanilamidopyrazole] Alberti C, et al. Farmaco [Sci] 26:226-32, Mar 71 (Ita)

DIAGNOSTIC USE

[Possibilities of determining hepatic coenzyme A by means of acetylation of sulfanilamide in workmen exposed to chronic absorption of lead] Benini F, et al.
Arcisp S Anna Ferrara 22:989-99, 1969 (Ita)

METABOLISM

The excretion of drugs across the gill of the dogfish, Squalus acanthias. Maren TH, et al.
Comp Biochem Physiol 26:853-64, Sep 68
[Study on drug metabolites by mass spectrometry. I. Identification of N-acetate in metabolites of sulfanilamide derivatives] Tatematsu A, et al.
J Pharm Soc Jap 90:1428-33, Nov 70 (Jap)
[Study of acetylation of sulfanilamide in isolated chloroplasts by spectrophotometric and chromatographic methods] Rodionov VS, et al.
Biokhimiia 35:886-94, Sep-Oct 70 (Rus)

PHARMACODYNAMICS

[Effect of p-aminobenzoic acid on the growth of a culture of E. coli subjected to the bacteriostatic action of sulfanilamide. Electron aspects of this effect] Goudot A, et al.
C R Acad Sci [D] (Paris) 271:1829-32, 16 Nov 70 (Fre)

THERAPEUTIC USE

[The use and the value of sulformethoxine in the prevention of cholera] Lapeyssonie L, et al.
Bull Acad Natl Med (Paris) 154:657-62, 6 Oct 70 (Fre)
[Mycetomas and their treatment with sulfamethoxin] Depinay A.
Bull Soc Pathol Exot 63:459-64, Jun-Aug 70 (Fre)
[Trial of a new sulfanilamide in treatment of tracheobronchic infections in adults: 53 cases, 46 concerning asthmatics] Chavanis P.
Rev Lyon Med 19:187-92, 15 Mar 70 (Fre)
[Sulfanilamide therapy of Shigella-sonnei-infections in adulthood] Leithäuser W, et al.
Z Gesamte Inn Med 25:655-7, 15 Jul 70 (Ger)
[The application of Madroxin to teeth with devitalized aseptic or infected pulps] Ilewicz L, et al.
Czas Stomatol 24:739-44, Jul 71 (Pol)
[The treatment of inflammatory diseases of the oral mucous membrane with "Inhalipt" aerosol] Nikitin VA, et al.
Biull Eksp Biol Med 71:12-4, Mar-Apr 71 (Rus)
[Effect of sulfasalizine with azathioprine on some immunologic indices in patients with nonspecific ulcerative colitis] Ryzhikh AN, et al.
Klin Med (Mosk) 48:72-5, Oct 70 (Rus)
[State of the thyroid gland in patients with diabetes mellitus under treatment with sulfanilamide preparations of the BZ-55 and D-860 groups] Laptenok LV.
Probl Endokrinol (Mosk) 16:17-20, Jul-Aug 70 (Rus)
[Results of sulfamonomethoxin clinical trials] Ashbel' SI, et al. Sov Med 33:23-6, Oct 70 (Rus)
[Possibility of using sulfanilamides with prolonged action in children with allergic diseases] Sokolova TS, et al. Vopr Okhr Materin Det 16:18-20, Feb 71 (Rus)

URINE

[Mechanism of hydrolysis of N4-substituted sulfanilamides in vivo] Funk KF, et al.
Pharmazie 25:557-60, Sep 70 (Ger)

SULFATASES (D9)

Purification and properties of two adenosine-5'-phosphosulphate sulphohydrolases from rat liver and their possible role in the degradation of 3'-phosphoadenosine 5'-phosphosulphate.
Bailey-Wood R, et al.
Biochim Biophys Acta 220:284-99, 11 Nov 70
A monospecific antibody to human sulfatase A. Preparation, characterization and significance.
Neuwelt E, et al.
Biochim Biophys Acta 236:333-46, 27 Apr 71
The type II arylsulphatases of the red kangaroo. Roy AB. Biochim Biophys Acta 227:129-38, 13 Jan 71
Studies on mammalian and molluscan steroid sulfatase. Solubilization and properties. Bieau G, et al.
Can J Biochem 49:234-42, Feb 71
Purification and properties of an arylsulfatase from Aspergillus oryzae. Benkovic SJ, et al.
J Biol Chem 246:4926-33, Aug 71

ANALYSIS

A modified method for chondrosulfatase assay. Kawai Y, et al. Anal Biochem 32:314-21, Nov 69
Distribution of arylsulphatase C in subcellular membranes of rat liver. Milsom DW, et al.
Biochem J 118:22P, Jun 70
Enzymic degradation of keratosulphates.
Nishida-Fukuda M, et al. Biochem J 119:39-47, Aug 70
A method for the rapid determination of arylsulfatase in nervous tissue. Welsch F, et al.
Brain Res 26:375-83, 5 Mar 71
Arylsulfatase multiplicity in Proteus rettgeri.
Fitzgerald JW, et al. Can J Microbiol 16:1109-15, Nov 70
The determination of arylsulfatases in biological fluids.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rinderknecht H, et al.
Clin Chim Acta 29:481-91, Sep 70

Arylsulfatase activity in Gorgoderina attenuata and Haematoloechus medioplexus: cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. Davis DA, et al.
Exp Parasitol 29:302-8, Apr 71

The regional distribution, age dependent variation and species differences of brain arylsulphatases. Farooqui AA, et al. J Neurochem 18:635-46, Apr 71

Arylsulphatases in human brain: assay, some properties, and distribution. Harinath BC, et al.
J Neurochem 18:237-44, Feb 71

Qualitative and quantitative differences in sulfatase A which distinguish different forms of classical metachromatic leukodystrophy (MLD). Stumpf D, et al. J Neuropathol Exp Neurol 30:147, Jan 71

Studies on arylsulfatase-A activity in metachromatic leucodystrophy. Komiya K, et al.
Paediatr Univ Tokyo 18:99-104, Dec 70

Qualitative and quantitative differences in sulfatase A which distinguish the different forms of classical metachromatic leukodystrophy (MLD). Stumpf D, et al. Trans Am Neurol Assoc 95:315-6, 1970

[Histotopochemical determination of arylsulfatases A,B and C (Arylsulphate sulphydrolase EC.3.1.6.1.) in pigment producing tissues of the man] Günther W.
Dermatol Monatsschr 156:329-32, 1970 (Ger)

ANTAGONISTS & INHIBITORS

Inhibition of steroid 3-sulfatase by endogenous steroids. A possible mechanism controlling placental estrogen synthesis from conjugated precursors. Townsley JD, et al.
J Clin Endocrinol Metab 31:670-8, Dec 70

Inhibition of renal acid phosphatase and aryl sulfatase activity by glutaraldehyde fixation. Arborgh B, et al.
J Histochem Cytochem 19:449-51, Jul 71

BIOSYNTHESIS

Elaboration of hyaluronidase and chondroitin sulfatase by microorganisms inhabiting the gingival sulcus: evaluation of a screening method for periodontal disease. Hershon LE. J Periodontol 42:34-6, Jan 71

BLOOD

Studies on cerebral lipidosis. Enzymatic diagnosis of metachromatic leukodystrophy. Yabuuchi H, et al.
Acta Paediatr Jap [Overseas] 12:1-3, Dec 70

Chemical detection of metachromatic leukodystrophy in disease and carrier states. Hackett TN Jr, et al.
Am J Dis Child 122:223-5, Sep 71

Fine structural localization of acid phosphatase and arylsulfatase in the chick heterophil leucocytes. Osculati F.
Z Zellforsch Mikrosk Anat 109:398-406, 1970

[Diagnostic value of the determination of intraleukocytic arylsulfatase for the early detection of metachromatic leukodystrophy] Baumann N, et al.
Presse Med 79:244-5, 30 Jan 71 (Fre)

CHEMICAL SYNTHESIS

Preparation and characterization of an arylsulphatase insolubilized on porous glass. Weetall HH.
Nature (Lond) 232:473-4, 13 Aug 71

ISOLATION & PURIFICATION

Immunoelectrophoretically homogeneous preparation of arylsulphatase A from human placenta. Gniot-Szulzycka J, et al.
Acta Biochim Pol 17:185-90, 1970

Lysosomal arylsulphatases A and B of rat liver. Hook GE, et al. Biochem J 119:28P-29P, Sep 70

Arylsulphatases in human brain: separation, purification, and certain properties of the two soluble arylsulphatases. Harinath BC, et al.
J Neurochem 18:245-57, Feb 71

METABOLISM

Arylsulfatase activity in the eggs and embryos of the ascidian Ciona intestinalis. D'Ancona Lunetta G.
Acta Embryol Exp (Palermo) 1:17-20, 1971

The effect of ACTH and cortisone on behaviour of arylsulphatase in intestine mucosa of white rat. Kilkowska-Chadzypanagioti.
Acta Histochem (Jena) 38:305-10, 1970

Phage-associated mycobacterial variation. Juhasz SE.
Ann NY Acad Sci 174:847-51, 30 Oct 70

A particulate fraction from Neurospora crassa exhibiting aryl sulfatase activity. Scott WA, et al.
Arch Biochem Biophys 142:623-32, Feb 71

Dehydroepiandrosterone sulfatase in the prostate and seminal vesicles of the rat. Gill W, et al.
Biochim Biophys Acta 218:148-54, 6 Oct 70

Correlated changes in acid hydrolase activity and membrane lipids of HeLa cells: changes in activity and subcellular distribution of arylsulphatase and acid phenyl phosphomonoesterase. Güttler F.
Biochim Biophys Acta 237:43-55, 20 Apr 71

Lysosomal enzyme activity in liver tissue, kidney tissue, and tumor tissue from patients with renal carcinoma. Scherstén T, et al. Cancer 27:278-83, Feb 71

Enzymatic abnormality of the carrier state in metachromatic leukodystrophy. Taniguchi N, et al.
Clin Chim Acta 29:375-9, Sep 70

Absence of androgen stimulation of hepatic steroid sulfatase in the female rat. Schneider G, et al.
Endocrinology 89:308-10, Jul 71

Ultrastructural localization of arylsulfatase B in mitochondria of epithelial cells of the proximal convoluted tubules of the rat kidney. Makita T, et al.
Experientia 27:187-9, 15 Feb 71

Histochemical localization of the soluble arylsulphatase activities in rat brain. Leznicki A, et al.
Histochemie 24:251-65, 1971

Treatment of metachromatic leukodystrophy in fibroblasts by enzyme replcement. Wiesmann UN, et al. N Engl J Med 284:672-3, 25 Mar 71

Diagnostic techniques in metachromatic leukodystrophy. Julius R, et al.
Neurology (Minneap) 21:15-8, Jan 71

The use of nitrosamine induced nervous system tumors of rats for biochemical investigation. Allen N, et al.
Trans Am Neurol Assoc 95:140-2, 1970

Abnormal arylsulphatase activities of fibroblasts cultured from patients with mucopolysaccharidosis and cystinosis. Furusho K, et al.
Z Kinderheilkd 110:324-31, 1971

[Paradoxal estrogen deficiency caused by placental sulfatase deficiency in a normal pregnancy] Cedard L, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 23:16-20, Jan-Mar 71 (Fre)

[Action of corticotropin on sulfatase-steroid of human adrenal cortex and its participation in the biosynthesis of corticosteroids] Domínguez OV, et al.
Gac Med Mex 100:860-72, Aug 70 (Spa)

URINE

Metachromatic leukodystrophy (MLD). IX. Qualitative and quantitative differences in urinary arylsulfatase A in different forms of MLD. Stumpf D, et al.
Arch Neurol 24:117-24, Feb 71

Patterns of urinary enzyme excretion in healthy subjects. Werner M, et al.
Clin Chim Acta 29:437-49, Sep 70

SULFATES (D1)

Oxidation of thiocyanate to cyanide and sulfate by the lactoperoxidase-hydrogen peroxide system. Chung J, et al. Arch Biochem Biophys 141:73-8, Nov 70

Formation of hydrogen sulphates as a means of separating alcoholic from non-alcoholic steroids. Norymberski JK, et al. Biochem J 119:795-6, Oct 70

Purification and properties of ATP-sulphurylase from Nitrobacter agilis. Varma AK, et al.
Biochim Biophys Acta 227:373-89, 10 Feb 71

Effect of sulfate ions on the solubility of human enamel and dentin. Paunio IK, et al.
J Dent Res 50:862-6, Jul-Aug 71

Interactions in phenol-sodium dodecyl sulphate-water systems. Jacobs JJ, et al.
J Pharm Pharmacol 23:148-9, Feb 71

Protamine-sulphate solutions for the detection of Brucella antibodies. Anderson K.
Lancet 2:1081, 21 Nov 70

The use of ferrous sulphate for dosimetry by post. Ahmed SA, et al. Phys Med Biol 15:311-8, Apr 70

Errors in ferrous sulphate dosimetry. Broszkiewicz RK, et al. Phys Med Biol 15:549-56, Jul 70

Variation of response of the FeSO4 dosemeter with temperature of the solution during irradiation. Law J.
Phys Med Biol 15:741-2, Oct 70

Comparison of ionization, ferrous sulphate and thermoluminescence dosimetry of megavoltage photons. Law J, et al. Phys Med Biol 16:67-75, Jan 71

The consistency of FeSO4 dosimetry. Law J.
Phys Med Biol 15:301-9, Apr 70

A sensitive procedure for the estimation of deoxyribonucleic acid by the diphenylamine reaction in the presence of cupric sulfate. Ganguli PK.
Rev Can Biol 29:339-46, Dec 70

Interactions of the echinoderm toxin holothurin A and its desulfated derivative with the cat superior cervical ganglion preparation. Friess SL, et al.
Toxicon 8:211-9, Sep 70

[Pulmonary and hepatic tumors caused by hydrazine sulfate in reduced doses in BALB-c-Cb-Se mice] Biancifiori C.
Lav Ist Anat Istol Patol Perugia 30:89-99, 1970 (Ita)

[Studies of thiomorpholine derivatives. II. Reaction of 2-alkyl-3-oxoperhydro-2H-1,4-thiazine-5-carboxylic acids with sulfuryl chloride] Nakanishi M, et al.
J Pharm Soc Jap 91:166-73, Feb 71 (Jap)

[Pharmacological properties of some 5-oxytryptamine salts] Mashkovskiĭ MD, et al.
Farmakol Toksikol 33:673-5, 1970 (Rus)

[Heterologous thrombin-fibrinogen reaction. Its modification by 0.4. per cent CdSO4 solution] Marco Ahuir R, et al.
Rev Sanid Hig Publica (Madr) 44:983-93, Sep 70 (Spa)

ADMINISTRATION & DOSAGE

Drinking of sulfate-water by cattle. Weeth HJ, et al.
J Anim Sci 32:277-81, Feb 71

Effect of various inhibitors on the activity of sea urchin ribonucleases. Daigneault R, et al.
Lab Pract 20:487-8 passim, Jun 71

The response of chicks to sodium sulfate supplementation of a corn-soy diet. Ross E, et al.
Poult Sci 49:1605-10, Nov 70

Significance of different routes of introduction on the transport of substances into the brain. Levin E, et al.
Proc Soc Exp Biol Med 135:685-9, Dec 70

[Effect of drug solutions on the activity of the ciliary epithelium of the nasal mucosa] Szabon J, et al.
Arzneim Forsch 20:1088-91, Aug 70 (Ger)

[Effect of repeated serial administrations of biological doses of copper, manganese and their combination on some biochemical indices in rats] Zapadniuk VI, et al.
Farmakol Toksikol 33:606-7, Sep-Oct 70 (Rus)

ANALYSIS

A double isotope method for determination of the miscible inorganic sulfate pool of the mouse applied to in vivo studies of sulfate incorporation into costal cartilage. Herbal G.
Acta Physiol Scand 80:470-91, Dec 70

Quantitative studies on the excretion of glucuronide and mono- and disulphate conjugates of neutral steroids in human bile. Laatikainen T.
Ann Clin Res 2:338-49, Dec 70

Quantitation of neutral steroid sulphates in the amniotic fluid of early and mid-pregnancy. Huhtaniemi I, et al.
Ann Med Exp Biol Fenn 48:188-90, 1970

Structure of pig skin dermatan sulfate. 1. Distribution of D-glucuronic acid residues. Fransson LA, et al.
Eur J Biochem 18:422-30, 1 Feb 71

Structure of pig skin dermatan sulfate. 2. Demonstration of sulfated iduronic acid residues. Malmström A, et al. Eur J Biochem 18:431-5, 1 Feb 71

A note on the assay of atropine sulphate injections. Khalil SA, et al. J Pharm Pharmacol 23:214-5, Mar 71

[Clinical studies on gastric secretion--on sulfated mucosubstances] Nakanishi K, et al.
J Jap Soc Intern Med 60:191-202, Mar 71 (Jap)

[Improved method for the quantitative determination of atropine sulfate in eyedrops] Kaleis Olu, et al.
Farmatsiia 17:55-8, Jul-Aug 68 (Rus)

[Experimental hygienic study of the behavior of dimethyisulfate under industrial conditions] Dzhezhev A, et al. Gig Sanit 35:79-82, Mar 70 (Rus)

[Photometric determination of dodecylbenzenesulfonate sodium and alkylsulfates in the air] Markina NA. Gig Sanit 35:61-2, Mar 70 (Rus)

[Spectrophotometric method for quantitative analysis of drug mixtures with atropine sulfate] Kagan FE, et al. Farm Zh 26:32-7, Jan-Feb 71 (Ukr)

ANTAGONISTS & INHIBITORS

[Studies of triethylin-sulfate-induced brain edema in rats. 7. Therapeutic effect of silymarin, theophyllin and mannit on triethylin sulfate poisoning in rats in a conditioned reflex test] Zoltán OT, et al.
Arzneim Forsch 20:1248-9, Sep 70 (Ger)

BIOSYNTHESIS

Formation of adenyiyl sulfate in phototrophic bacteria. Trüper HG, et al. Arch Mikrobiol 73:125-42, 1970

BLOOD

[Water-mineral metabolism in Vietnamese. Determination of plasma electrolyte balance] Phan The Tran, et al.
Bull Soc Pathol Exot 64:238-42, Mar-Apr 71 (Fre)

[Concentration of copper, ceruloplasmin, magnesium and sulfate in the blood of patients with a hepato-renal form of Weil's disease] Jorge FB de.
Rev Bras Med 27:449-51, Sep 70 (Por)

METABOLISM

Effect of age, sex, starvation, hypophysectomy and growth hormone from several species on the inorganic sulphate pool and on the incorporation in vivo of sulphate into mouse costal cartilage. An attempt to study sulphation factor activity in vivo. Herbal G.
Acta Endocrinol (Kbh) 66:333-51, Feb 71

Partial characterization of sulphation and thymidine factors in acromegalic plasma. Van den Brande JL, et al. Acta Endocrinol (Kbh) 66:65-81, Jan 71

Effect of glucosamine and of its derivatives on 35SO4-incorporation into dog aorta. Jakab L, et al.
Acta Med Acad Sci Hung 27:129-36, 1970

Effect of pregnancy, castration, testosterone, ethisterone, oestradiol benzoate and stilboestrol on the exchangeable sulphate pool and on sulphate

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

incorporation in vivo into costal cartilage of the mouse. Herbal G.
Acta Pharmacol Toxicol (Kbh) 29:177-93, 1971
Effect of adrenalectomy, corticosteroids and some other anti-inflammatory agents, Salazopyrin, thyroxine and vitamin A on the exchangeable sulphate pool and on sulphate incorporation in vivo into costal cartilage of the mouse. Herbal G.
Acta Pharmacol Toxicol (Kbh) 29:164-76, 1971
Regional differences in the incorporation rates of 3H-acetate and 35S-sulfate into chondroitin sulfate of mouse costal cartilage in vitro. Herbal G, et al.
Acta Physiol Scand 80:502-9, Dec 70
A double isotope method for determination of the miscible inorganic sulfate pool of the mouse applied to in vivo studies of sulfate incorporation into costal cartilage. Herbal G.
Acta Physiol Scand 80:470-91, Dec 70
Incorporation and disappearance of sulfate in different regions of mouse and rat costal cartilage in vivo and in vitro. Herbal G. Acta Physiol Scand 79:541-51, Aug 70
Sulfation factor regulation of skeletal growth. A stable mechanism dependent on intermittent growth hormone secretion. Daughaday WH.
Am J Med 50:277-80, Mar 71 (18 ref.)
The specific interaction of chromate with the dual sulfate permease systems of Neurospora crassa. Roberts KR, et al.
Arch Biochem Biophys 142:651-9, Feb 71
Studies on the incorporation of labelled sulphate into cells and cell-free extracts of Nitrosomonas europaea. Varma AK, et al. Arch Mikrobiol 73:293-307, 1970
Metabolism of 35 S-sulphate and properties of APS-kinase and PAPS-reductase in Nitrobacter agilis. Varma AK, et al. Arch Mikrobiol 78:99-117, 1971
35S incorporation into bacterial RNA. Eliceiri GL.
Biochem Biophys Res Commun 42:784-8, 5 Mar 71
Metabolism of sodium oestrone (35S) sulphate in the rat. Dolly JO, et al. Biochem J 119:22P, Sep 70
Production of sulphated intermediates by Pseudomonas fluorescens during growth on potassium D-glucose 6-O-sulphate. Fitzgerald JW, et al. Biochem J 119:30P, Sep 70
Studies on the effect of sulphate nutrition on the flavour components of onion (Allium cepa). Freeman GG, et al. Biochem J 118:24P, Jun 70
Incorporation of (35S)ulphate into the glycosaminoglycans of rat brain. Goldberg JM, et al.
Biochem J 120:15P, Dec 70
Studies on the incorporation of (U-14C)glucose and (35S)sulphate into the acid glycosaminoglycans of neonatal rat skin. Hardingham TE, et al.
Biochem J 119:885-93, Oct 70
Detoxications in peripatus. Sulphate, phosphate and histidine conjugations. Jordan TW, et al.
Biochem J 118:1-8, Jun 70
Sulphation of simple aliphatic alcohols and bile alcohols by the toad Xenopus laevis. Scully MF, et al.
Biochem J 119:29P-30P, Sep 70
The alpha beta-elimination of L-seryiglycine O-sulphate and related dipeptides. Thomas JH, et al.
Biochem J 119:57P, Oct 70
Do thiosulfate and sulfate utilize the same renal transport process? Berndt WO.
Biochim Biophys Acta 219:220-6, 1970
Inhibition of radiosulfate uptake in rat costal cartilage by lipophilic heterocyclic molecules. Liberti JP, et al.
Biochim Biophys Acta 222:90-4, 27 Oct 70
Some aspects of uptake of non-metabolites in slices of mouse brain. Piccoli F, et al.
Biochim Biophys Acta 225:356-69, 2 Feb 71
Some aspects of the uptake and conversion of 35S-sulfate to the organic form in plants. Holobradá M.
Biologia (Bratisl) 25:667-71, 1970
Genetic and accumulation studies in sulfite-requiring mutants of Aspergillus nidulans. Gravel RA, et al.
Can J Genet Cytol 12:831-40, Dec 70
Metabolism of estrogens and their sulfates in rat uterine minces. Pack BA, et al.
Endocrinology 87:924-33, Nov 70
Rhythmic incorporation of 35S during early embryonic mitosis in Limnaea (mollusc). Brahmachary RL, et al.
Exp Cell Res 65:325-8, Apr 71
Uptake of chondroitin sulfate by mammalian cells in culture. II. Kinetics of uptake and autoradiography. Saito H, et al. Exp Cell Res 66:90-6, May 71
Uptake of chondroitin sulfate by mammalian cells in culture. 3. Effect of incubation media, metabolic inhibitors and structural analogs. Saito H, et al.
Exp Cell Res 66:97-103, May 71
Incorporation of 35S-sulfate into developing mouse brain: subcellular fractionation and electron microscopic studies. Kuriyama K, et al.
Exp Neurol 30:18-29, Jan 71
Maximum permissible intakes of 35 S-L-methionine and 35 S-sodium sulphate deduced from experiments on rats. Minski M, et al. Health Phys 20:1-9, Jan 71
New aspects on the utilization of inorganic sulphate during dentin formation. Sundström B.
Histochemie 26:61-6, 1971
Malathion intoxication and sulfation of mucopolysaccharides. Disney GW, et al.
J Agric Food Chem 18:540-1, May-Jun 70
35S-sulphate uptake by the growing tibia in the domestic fowl. Lutfi AM. J Anat 107:567-76, Nov 70
Urea metabolism in sulfate-deprived and sulfate-supplemented rats. Brown RG, et al.
J Anim Sci 32:1164-8, Jun 71
Genetics of sulfate transport by Salmonella typhimurium. Ota N, et al.
J Bacteriol 105:1053-62, Mar 71
Sulfation of sugar nucleotides. 3. Diversity of sulfated sugar nucleotides occurring in hen oviduct. Nakanishi Y, et al. J Biol Chem 245:6046-51, 25 Nov 70
Sulfation of sugar nucleotides. II. A particulate sulfotransferase system catalyzing the sulfation of uridine diphosphate N-acetylgalactosamine. Tsuji M, et al. J Biol Chem 245:6039-45, 25 Nov 70
Secretion rate and metabolism of the sulfates of cortisol and corticosterone in newborn infants. Hall CS, et al. J Clin Endocrinol Metab 33:98-104, Jul 71
Administration of growth hormone to patients with familial dwarfism with high plasma immunoreactive growth hormone: measurement of sulfation factor, metabolic and linear growth responses. Laron Z, et al.
J Clin Endocrinol Metab 33:332-42, Aug 71
Failure to detect 5-hydroxytryptamine-O-sulphate in normal rat brain and after monoamine oxidase inhibition. Korf J, et al. J Neurochem 17:447-8, Mar 70
Sulphate metabolism in acute EAE rats using isolated brain perfusion technique. Vasan NS, et al.
J Neurochem 18:59-66, Jan 71
Estimation of drug metabolite elimination kinetics in man by the synthesis-blocking method. Levy G, et al.
J Pharm Pharmacol 22:964-5, Dec 70
Effects of dietary protein deficiency on the conjugation of foreign compounds in rat liver. Wood GC, et al. J Pharm Pharmacol Suppl:80S+, Dec 70
Effect of some monovalent anions on chloride and sulphate permeability of human red cells. Wieth JO.
J Physiol (Lond) 207:581-609, May 70
Metabolism of dodecyl sulphate in the rat: non-enzymic liberation of sulphate and gamma-butyroactone from the major metabolite, butyric acid 4-sulphate. Ottery J, et al. Life Sci [II] 9:1335-40, 8 Dec 70
Mycobacterial sulfolipids: spontaneous desulfation. Goren MB. Lipids 6:40-6, Jan 71
35-S-sulfate uptake by mouse harderian gland: effect of serum from patients with Graves' disease. Singh SP, et al. Metabolism 20:422-7, Apr 71
Sulfation of glycosaminoglycans in mammalian embryonic tissue. Schimmelpfennig K.
Naunyn Schmiedebergs Arch Pharmakol 266:439-40, 1970
Sulfate utilization in normal and diabetic female rats. Cohen MP, et al.
Proc Soc Exp Biol Med 136:426-9, Feb 71
Effect of insulin in vitro on 14C-acetate and 35S-sulfate uptake into aortic mucopolysaccharides in normal and diabetic rats. Cohen MP, et al.
Proc Soc Exp Biol Med 135:113-5, Oct 70
Stimulation of HeLa cell growth by a serum fraction with sulfation factor activity. Salmon WD Jr, et al.
Proc Soc Exp Biol Med 136:805-8, Mar 71
Correction of abnormal cerebroside sulfate metabolism in cultured metachromatic leukodystrophy fibroblasts. Porter MT, et al.
Science 172:1263-5, 18 Jun 71
Pregnenolone and pregnenolone sulfate metabolism by human fetal testes in vitro. Lamont KG, et al.
Steroids 16:127-40, Jul 70
The effect of desoxypropoxyphen on the incorporation of 35 S-sulphate into glycosaminoglycans of human gingiva. Paunio KU, et al.
Suom Hammaslaak Toim 67:145-8, 1971
The role of sulfated mucopolysaccharides in cleft palate production. Nanda R.
Teratology 3:237-44, Aug 70
The effect of sodium tolbutamide on the uptake of sodium-35S-sulfate and 35S-methionine in inbred strains of mice. Robertson DW.
Teratology 1:387-92, Nov 68
The effect of ACTH and cortisone on the incorporation of S35 (sulphate) into the mucous cells of the rat stomach. Kozlowska K.
Z Mikrosk Anat Forsch 82:219-28, 1970
[Incorporation of radiosulfate in the gastrointestinal wall of normal and restrained guinea pigs] André C, et al. C R Soc Biol (Paris) 164:1494-7, 1970 (Fre)
[Influence of light intensity and age of the plant on sulfate reduction in the rhizosphere of maize] Jacq V, et al.
Zentralbl Bakteriol [Naturwiss] 125:861-9, 1970 (Fre)
[Pharmacokinetics of "heparineal" sulfurized polyanion SP 54] Taugner R, et al.
Arch Int Pharmacodyn Ther 189:250-80, Feb 71 (Ger)
[Excretion of estrogens and testosterone following administration of dehydroepiandrosterone sulfate] Oertel GW, et al.
Arzneim Forsch 20:1865-6, Dec 70 (Ger)
[Microbiological processes and corrosion of metal equipment in flooded oil strata] Rozanova EP, et al.
Mikrobiologiia 38:880-7, Sep-Oct 69 (Rus)
[Current ideas concerning the sulfatides of the brain] Levitina MV.
Usp Sovrem Biol 69:113-25, Jan-Feb 70 (60 ref.) (Rus)
[Penetration of iron salts into the skin from applications of peloids and artificial solutions] Soldatov VV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:446-9, Sep-Oct 70 (Rus)

PHARMACODYNAMICS

The pH-dependent liberation of phosphate from human dental enamel and dentine by ammonium sulphate. Mäkinen KK, et al. Acta Chem Scand 24:1541-50, 1970
The effect of salt concentration on the polyribonucleotide synthesizing activities in extracts of uninfected and RNA-bacteriophage infected "Escherichia coli". Gillis E, et al.
Arch Int Physiol Biochim 78:519-30, Aug 70
In vivo effects of cellulose sulphate on plasma kininogen, complement and inflammation. Eisen V, et al. Br J Pharmacol 42:383-91, Jul 71
Exogenic 35SO4-heparin introduced into the organism. Yurukova Z. Doki Bolg Akad Nauk 22:595-8, 1969
Protein fluorescence and molecular weight of sodium dodecyl sulfate-treated human methemoglobin. Rogers KS. Enzymologia 39:96-100, 31 Aug 70
Heparin as a possible initiator of genomic RNA synthesis in early development of sea urchin embryos. Kinoshita S. Exp Cell Res 64:403-11, Feb 71
Sulfate-controlled synchrony of Astasia longa. Morimoto H, et al. Exp Cell Res 58:195-200, Dec 69
Recovery effect of serotonin-creatinine sulfate complex on X-irradiated planarians. Villalobos-Pietrini R, et al.
Experientia 27:441-2, 15 Apr 71
Inhibition of photophosphorylation in spinach chloroplasts by inorganic sulfate. Ryrie IJ, et al.
J Biol Chem 246:582-8, 10 Feb 71
Effect of Prymnesium parvum toxin, cetyltrimethylammonium bromide and sodium dodecyl sulphate on bacteria. Ulitzur S, et al.
J Gen Microbiol 62:363-70, Aug 70
Effect of dietary molybdenum and sulfate upon urinary excretion of copper in sheep. Marcilese NA, et al.
J Nutr 100:1399-405, Dec 70
Effects of methionine and inorganic sulfate on indole toxicity and indican excretion in rats. Roe DA.
J Nutr 101:645-53, May 71
The effects of laminarin, sulfated glucan and oligosaccharides of glucan on reticuloendothelial activity. Di Luzio NR, et al.
J Reticuloendothel Soc 8:465-73, Nov 70
Protection of chicken liver pyruvate carboxylase by sulphate ions against avidin inhibition. Madappally MM, et al. Life Sci [II] 9:833-9, 22 Jul 70
Effects of high levels of dietary sulphate on voluntary feed intake of sheep. Upton PK, et al.
Proc Nutr Soc 30:20A-21A, May 71
The effect of oral ammonium molybdate and sodium sulphate given to lambs with high liver copper concentrations. Ross DB. Res Vet Sci 11:295-7, May 70
The effect of inorganic salts on the colorimetric estimation of deoxyribonucleic acid by the diphenylamine reaction. Ganguli PK.
Rev Can Biol 29:261-9, Sep 70
[Spasmolytic and antiemetic effect of aklonin (DL-phenyl-alpha-aminoacetic acid isoamyl ester) and its elimination] Schulz E, et al.
Pharmazie 25:560-5, Sep 70 (Ger)
[Clinical experiences with vinblastine sulfate] Kühböck J, et al.
Wien Klin Wochenschr 83:185-8, 19 Mar 71 (Ger)
[Mode of action of ionic surface-active compounds in bacteria. II. Electron microscopic investigations on the influence of sodium lauryl sulfate (NaLS) on Mycobacterium smegmatis] Wahn K, et al.
Zentralbl Bakteriol [Orig] 216:370-97, 1971 (Ger)
[Application of sparteine sulfate and dolantin in induced labor] Piotrzykowski M, et al.
Ginekol Pol 41:989-92, Sep 70 (Pol)
[Polymyxin M synthesized by Bacillus polymyxa var. Ross under different conditions of cultivation] Nefelova NV, et al. Antibiotiki 16:250-4, Mar 71 (Rus)
[Changes in the membrane potential of rabbit aortic smooth muscle upon depolarization produced by potassium chloride and sulfate] Gurevich MI, et al.
Biull Eksp Biol Med 65:13-6, Apr 68 (Rus)
[The effect of sulfopolysaccharides on plaque formation by tick-borne encephalitis complex viruses with different neurovirulence] Dzhivanian TI, et al.
Vopr Virusol 15:395-9, Jul-Aug 70 (Rus)
[Activation of carboxylation and biosynthetical processes in chickens] Mal'ko VA, et al.
Ukr Biokhim Zh 42:649-53, 1970 (Ukr)

POISONING

[Thallium poisoning with intravascular coagulopathy] Keller R, et al.
Schweiz Med Wochenschr 101:511-5, 10 Apr 71 (Ger)
[Suicide with copper sulfate] Baima-Bollone PL.
Minerva Medicolog 90:16-8, Jan-Jun 70 (Ita)

RADIATION EFFECTS

Chemical effects of gamma-irradiation of aqueous

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

solutions of heparin and keratan sulphate. Jooyandeh F, et al. Radiat Res 45:455-61, Mar 71

SECRETION

Secretion of free and sulfate-conjugated neutral steroids by the human testis. Effect of administration of human chorionic gonadotropin. Laatikainen T, et al. J Clin Endocrinol Metab 32:59-64, Jan 71

THERAPEUTIC USE

A comparative study of alevaire and a new mucolytic agent, acumist in postoperative patients. Polk JW, et al. Eye Ear Nose Throat Mon 49:321-4, Jul 70

Recognition and management of hypercalcemia. A review. Mazzaferri EL, et al. Ohio State Med J 66:1115-9, Nov 70

[On the treatmen of hoof diseases of dairy cows in slat-floor stalls] Schmoldt P, et al. Monatsh Vet Med 26:30-4, Jan 71 (Ger)

[Clinical experiences with vinblastine sulfate] Kühböck J, et al. Wien Klin Wochenschr 83:185-8, 19 Mar 71 (Ger)

[Amino sugar in arthroses] Kurz JF. Z Allgemeinmed 46:1090-5, 31 Jul 70 (Ger)

[Quantitative comparative studies on the changing of the ventricular fibrillation threshold by antifibrillatory substances] Diederich KW, et al. Z Kreislaufforsch 59:736-43, Aug 70 (Ger)

[On the elimination of intestinal gases in patients undergoing urography. Our experience with sodium picosulphate] Cattani E, et al. Quad Radiol 34:171-82, Mar-Apr 69 (Ita)

[Iron deficiency anemias. Hematological answer to the treatment with a ferrous salt combined with vitamin C] Gomes PP. Rev Bras Med 27:617-8, Dec 70 (Por)

[Therapeutic effect of vanadyl sulfate in experimental tuberculosis] Bala IuM, et al. Farmakol Toksikol 34:346-8, May-Jun 71 (Rus)

TOXICITY

[Study of the teratogenic action of nicotine sulfate on the early stages of the chick embryo] Strudel G, et al. C R Acad Sci [D] (Paris) 272:2480-3, 10 May 71 (Fre)

[Findings on the effect of acute-toxic cytostatics] Roth J. Hippokrates 42:233-5, Jun 71 (Ger)

[Toxicity and radiation-protective properties of dextran derivatives containing serotonin] Chernov GA, et al. Farmakol Toksikol 34:328-30, May-Jun 71 (Rus)

[Comparative toxicity of lithium salts] Samoflov NN. Farmakol Toksikol 33:616-9, Sep-Oct 70 (Rus)

URINE

Urinary excretion of mono- and disulphates of C19 and C21 steroids with reference to the menstrual cycle. Jänne O. Acta Endocrinol (Kbh) 67:316-30, Jun 71

Isolation of 2-amino-1-naphthyl hydrogen sulphate with cetylpyridinium bromide from metabolic and chemical oxidations of 2-naphthylamine. Manson D. Biochem J 119:541-6, Sep 70

Assessment of some biochemical parameters related to protein-calorie nutrition in children. Simmons WK, et al. Bull WHO 42:897-906, 1970

Zinc deficiency and urinary excretion of taurine-35S and inorganic sulfate-35S following cystine-35S injecion in rats. Hsu JM, et al. J Nutr 100:1189-95, Oct 70

Morquio's disease and mucopolysaccharide excretion. Linker A, et al. J Pediatr 77:1039-47, Dec 70

Ascorbate sulfate: a urinary metabolite of ascorbic acid in man. Baker EM 3d, et al. Science 173:826-7, 27 Aug 71

[Atypical mucopolysaccharidosis (Hurler's syndrome with urinary chondroitin sulfate B)] Segni G, et al. Minerva Pediatr 21:1943-56, 20 Oct 69 (Ita)

SULFATHIAZOLES (D3)

The polymorphism of sulphathiazole. Mesley RJ. J Pharm Pharmacol 23:687-94, Sep 71

Phase diagram and dissolution-rate studies on sulfathiazole-urea solid dispersions. Chiou WL, et al. J Pharm Sci 60:1333-8, Sep 71

Extrinsic optical activity from a micellar solution. Perrin JH, et al. J Pharm Sci 59:1525-6, Oct 70

Inhibited dissolution of drug crystals by certified water-soluble dyes. II. Piccolo J, et al. J Pharm Sci 60:59-63, Jan 71

Structural studies on molecular complexes. V. Crystal structures of sulfathiazole-sulfanilamide and sulfathiazole-theophylline complexes. Shefter E, et al. J Pharm Sci 60:282-6, Feb 71

[Pharmacological characteristics of phthazin] Mozgov IE, et al. Veterinariia 9:77-8, Sep 70 (Rus)

ANALYSIS

[Colorimetric determination of sulfathiazole by means of p-dimethylaminobenzaldehyde] Fiebig A, et al. Acta Pol Pharm 28:19-22, 1971 (Pol)

DIAGNOSTIC USE

[Sulphathiazole test in the diagnosis of neoplasms] Bukowski Z. Wiad Lek 23:1967-70, 15 Nov 70 (Pol)

METABOLISM

Urinary excretion and plasma levels of sulphonamides in patients with renal impairment. Adam WR, et al. Australas Ann Med 19:250-4, Aug 70

Transformation and excretion of drugs in biological systems. VI. Correlation between renal excretion and biotransformation of sulfisomidine and sulfamethizole. Arita T, et al. Chem Pharm Bull (Tokyo) 19:937-43, May 71

PHARMACODYNAMICS

Competition between sulphonamides and thiopental for the binding sites of plasma proteins. Csögör SI, et al. Arzneim Forsch 20:1925-7, Dec 70

[Influence of sulfathiazole on the narcotic effect of thiopental and hexobarbital] Csögör SI, et al. Rev Roum Physiol 8:81-5, 1971 (Fre)

[Sensitivity to antibiotics, sulfathiazole and nitrofurantoin of Salmonella strains isolated from animals in Poland in the years 1967-1968] Anusz Z. Przegl Epidemiol 24:305-12, 1970 (Pol)

[Morphological changes in the maxillodental system and some organs in rats under the influence of ethazode and furacilin in experimental caries] Golinskaia MS, et al. Stomatologiia (Mosk) 50:67-8, Jan-Feb 71 (Rus)

THERAPEUTIC USE

Preparation of the intestine in patients undergoing major large-bowel surgery, mainly for neoplasms of the colon and rectum. Rosenberg IL, et al. Br J Surg 58:266-9, Apr 71

[Azocline treatment of urinary infections caused by common germs, in a present-day urological practice] Archimbaud JP, et al. Lyon Med 220:1297-306, 17 Nov 68 (Fre)

[Testing of coccidiostatic medicines in field experiments on rabbits] Dürr U, et al. Berl Munch Tieraerztl Wochenschr 83:50-4, 1 Feb 70 (Ger)

[Treatment of pulpitis by conservative method] Kas'ian ND. Voen Med Zh 6:59-60, Jun 70 (Rus)

SULFENIC ACIDS (D1, D2)

Modification of staphylococcal nuclease with nitrophenylsulfenyl halides. Parikh I, et al. Biochemistry 10:1173-7, 30 Mar 71

Studies on protein sulfenyl iodide derivatives of beta-lacto-globulin and bovine serum albumin. Jirousek L, et al. Biochim Biophys Acta 229:618-30, 23 Mar 71

ANALYSIS

[Splitting of organic disulfides in rhodan compounds and sulfenic acid rhodanides. 44. Organic compounds] Pohloudek-Fabini R, et al. Pharmazie 26:283-8, May 71 (Ger)

PHARMACODYNAMICS

Divergent effects of o-nitrophenyl sulfenyl ACTH on rat and rabbit fat cell adenyl cyclases. Ramachandran J, et al. Biochem Biophys Res Commun 41:358-66, 23 Oct 70

Melanocyte stimulating activities of the o-nitrophenyl sulfenyl derivatives of adrenocorticotropin and [5-glutamine]-alpha-melanotropin. Ramachandran J. Biochem Biophys Res Commun 41:353-7, 23 Oct 70

SULFHEMOGLOBINEMIA (C9)

METABOLISM

[Sulfhemoglobinemia] Frendo J. Przegl Lek 27:267-70, 1971 (Pol)

SULFHYDRASES see under LYASES (D9)

SULFHYDRYL COMPOUNDS (D2)

Factors affecting the reactivity of the activated SH-group of D-glyceraldehyde 3-phosphate dehydrogenase. Cseke E, et al. Acta Biochim Biophys Acad Sci Hung 5:385-97, 1970

Characterization of the less-reactive SH groups of D-glyceraldehyde-3-phosphate dehydrogenase. II. Effect of coenzyme, anions and pH on the reactivity. Vas M, et al. Acta Biochim Biophys Acad Sci Hung 5:215-23, 1970

Characterization of the less-reactive SH groups of D-glyceraldehyde-3-phosphate dehydrogenase. I. Kinetic analysis of mercaptide formation. Vas M, et al. Acta Biochim Biophys Acad Sci Hung 5:203-13, 1970

Formation of complexes of thiol and amino compounds as studied by amperometric titration and infrared spectrometry. Domański J, et al. Acta Biochim Pol 17:231-8, 1970

Development of fluorescence between o-phthaldialdehyde and thiols. Jocelyn PC, et al. Anal Biochem 37:417-21, Oct 70

2-Vinylquinoline, a reagent to determine protein sulfhydryl groups spectrophotometrically. Krull LH, et al. Anal Biochem 40:80-5, Mar 71

Interferences by sulfhydryl, disulfide reagents and potassium ions on protein determination by Lowry's method. Vallejo CG, et al. Anal Biochem 36:207-12, Jul 70

The thiol groups of Jack Bean urease. Andrews AT, et al. Arch Biochem Biophys 141:538-46, Dec 70

Involvement of sulfhydryl groups in the activity of anti-A hemagglutinins of Phaseolus lunatus. Gould NR, et al. Arch Biochem Biophys 141:607-13, Dec 70

Regulatory sulfhydryl groups and activation by homocystine in liver fructose diphosphatase. Nakashima K, et al. Arch Biochem Biophys 141:579-87, Dec 70

A study of the role of sulfhydryl groups in the interaction of troponin and myofibrils. Parker CJ Jr, et al. Arch Biochem Biophys 140:326-33, Oct 70

Brain adenosine 5'-triphosphate-creatine phosphotransferase. Atherton RS, et al. Biochem J 120:589-600, Dec 70

The role of thiol groups in the multiple forms of an invertebrate creatine kinase. Doherty MD, et al. Biochem J 119:9P-10P, Sep 70

Reactivity of the essential thiol group of lactate dehydrogenase and substrate binding. Holbrook JJ, et al. Biochem J 120:289-97, Nov 70

Mammalian ornithine decarboxylase: activation and alteration of physical behaviour by thiol compounds. Jänne J, et al. Biochem J 119:595-7, Sep 70

Further evidence for the role of the essential thiol groups in adenosine triphosphate-creatine phosphotransferase from a comparison of the human and rabbit enzymes. Watts DC, et al. Biochem J 118:22P-23P, Jun 70

Apparent association of activity of anti-inflammatory drugs in a sulfhydryl exchange reaction in vitro and in the guinea pig erythema assay. Swingle KF, et al. Biochem Pharmacol 19:2995-9, Dec 70

Functional sulphydryl groups in enzymic catalysis. Lynen F. Biochem Soc Symp 31:1-19, 1970 (52 ref.)

The reactivity of thiol groups in aldolase. Perham RN, et al. Biochem Soc Symp 31:49-58, 1970

Selective reactivity of thiol groups in proteins. Wallenfels K, et al. Biochem Soc Symp 31:21-38, 1970 (8 ref.)

Reaction of reactive sulfhydryl groups of creatine kinase with dansyl chloride. Brown CS, et al. Biochemistry 9:3878-85, 29 Sep 70

Preparation of bovine mercaptalbumin and an investigation of its homogeneity. Hagenmaier RD, et al. Biochemistry 10:637-45, 16 Feb 71

Isoelectric focusing behavior of bovine plasma albumin, mercaptalbumin, and beta-lactoglobulins A and B. Kaplan LJ, et al. Biochemistry 10:630-6, 16 Feb 71

Thiolysis of dinitrophenylimidazoles and its use during synthesis of histidine peptides. Shaltiel S, et al. Biochemistry 9:5122-7, 22 Dec 70

Chromatographic isolation and characterization of isolated chains from hemoglobin after regeneration of sulfhydryl groups. Winterhalter KH, et al. Biochemistry 10:621-4, 16 Feb 71

The effect of Ca2+ on the sulfhydryl reactivity of troponin. Evidence for a Ca2+-induced conformational charge. Fuchs F. Biochim Biophys Acta 226:453-8, 2 Mar 71

The importance of sulfhydryl groups for the calcium-sensitive response of natural actomyosin. Hartshorne DJ, et al. Biochim Biophys Acta 223:214-7, 3 Nov 70

The reaction of 4-(p-sulfophenylazo)-2-mercuriphenol with the thiol groups of proteins. Jonisu M, et al. Biochim Biophys Acta 214:468-77, 29 Sep 70

The role of sulfhydryl groups in the activity of type A botulinum toxin. Knox J, et al. Biochim Biophys Acta 214:350-4, 21 Aug 70

Number and reactivity of the sulfhydryl groups of alpha-isopropylmalate synthase of Salmonella typhimurium. Kohlhaw G. Biochim Biophys Acta 212:58-64, 15 Jul 70

Pyruvate carboxylase. Effect of the chemical modification of the sulfhydryl groups on the activity and quaternary structure. Palacián E, et al. Biochim Biophys Acta 212:158-69, 15 Jul 70

The regulation of rat liver xanthine oxidase: conversion of type D (dehydrogenase) into type O (oxidase) by a thermolabile factor, and reversibility by dithioerythritol. Stirpe F, et al. Biochim Biophys Acta 212:195-7, 15 Jul 70

Dissociation of native fibroin by sulphydryl compounds. Tashiro Y, et al. Biochim Biophys Acta 214:265-71, 21 Aug 70

Studies on progressive metabolic alterations in thioacetamide induced hepatocarcinogenesis. Bhide SV. Br J Cancer 24:504-9, Sep 70

Tumorigenic effect of thioacetamide in Swiss strain

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mice. Gothoskar SV, et al.
Br J Cancer 24:498-503, Sep 70
Cytoplasmic changes during thioacetamide induced hepatocarcinogenesis in rats. Shetty TK, et al.
Br J Cancer 25:109-20, Mar 71
Sulphydryl sensitivity of syphilitic antibodies and temperature dependence in complement fixation. Surján M, et al. Br J Vener Dis 47:87-90, Apr 71
Peroxidase-catalyzed conjugation of [4-14C]estradiol with albumin and thiols. Jellinck PH, et al.
Can J Biochem 48:1192-8, Nov 70
The essential thiol group of arginine kinase from Homarus vulgaris muscle studied by difference spectrophotometry and N-ethyl-[1-14C] maleimide labelling. Roustan C, et al.
Eur J Biochem 17:467-71, Dec 70
Effect of sulphhydryl dissociation on free radicals stabilized by gamma-irradiated frozen aqueous solutions of cysteamine. Copeland ES, et al.
Int J Radiat Biol 19:401-4, 1971
Selective cyanylation of sulfhydryl groups. Degani Y, et al. J Am Chem Soc 92:6969-71, 18 Nov 70
The sulfhydryl group and the strong binding site of L-thyroxine in human serum albumin. Okubo A.
J Biochem (Tokyo) 69:803-5, Apr 71
Reaction of the catalytic subunit of Escherichia coli aspartate transcarbamylase with permanganate ion, a reactive structural analogue of phosphate ion. Benisek WF. J Biol Chem 246:3151-9, 25 May 71
Kinetics of the reaction of the "masked" and "free" sulfhydryl groups of human hemoglobin with p-mercuribenzoate. Chiancone E, et al.
J Biol Chem 245:4105-11, 25 Aug 70
Structure and activity of diphtheria toxin. I. Thiol-dependent dissociation of a fraction of toxin into enzymically active and inactive fragments. Collier RJ, et al. J Biol Chem 246:1496-503, 10 Mar 71
Bacillus subtilis glutamine synthetase. Specific catalytic changes associated with limited sulfhydryl modification. Deuel TF.
J Biol Chem 246:599-605, 10 Feb 71
Mechanism of pigeon liver malic enzyme. Formation of L-lactate from L-malate, and effects of modification of protein thiol groups on malic enzyme, oxalacetate, and pyruvate reductase activities. Hsu RY.
J Biol Chem 245:6675-82, 25 Dec 70
On the purification of L-ornithine decarboxylase from rat prostate and effects of thiol compounds on the enzyme. Jänne J, et al.
J Biol Chem 246:1725-32, 25 Mar 71
Biosynthesis of the peptidoglycan of bacterial cell walls. XV. The binding of radioactive penicillin to the particulate enzyme preparation of Bacillus subtilis and its reversal with hydroxylamine or thiols. Lawrence PJ, et al. J Biol Chem 245:3653-9, 25 Jul 70
Formyltetrahydrofolate synthetase. The role of the sulfhydryl groups. Nowak T, et al.
J Biol Chem 246:1285-93, 10 Mar 71
Studies on adenosine triphosphate transphosphorylases. X. Reactivity and anlysis of the sulfhydryl groups of the crystalline adenosine triphosphate-creatine transphosphorylase from calf brain. Okabe K, et al.
J Biol Chem 245:6498-510, 25 Dec 70
A study of the sulfhydryl groups of the catalytic subunit of Escherichia coli aspartate transcarbamylase. The use of enzyme--5-thio-2-nitrobenzoate mixed disulfides as intermediates in modifying enzyme sulfhydryl groups. Vanaman TC, et al.
J Biol Chem 245:3565-73, 25 Jul 70
Mechanisms of sulfur transfer catalysis. Sulfhydryl-catalyzed transfer of thiosulfonate sulfur. Westley J, et al. J Biol Chem 246:1468-74, 10 Mar 71
Modifying proteins.
Nature [New Biol] 230:228, 21 Apr 71
The effect of acrolein on L-asparaginase 2 from Escherichia coli. Bilimoria MH, et al.
Proc Soc Exp Biol Med 136:698-700, Mar 71
Repair and damage by mercaptans in 60Co gamma-ray irradiation of organic compounds in aqueous solution. Cohen SG, et al. Radiat Res 45:462-75, Mar 71
[Interaction between "Escherichia coli" beta-galactosidase and O-mercuriphenyl beta-D-galactoside chloride, an unexpected substrate] Loontiens FG, et al.
Arch Int Physiol Biochim 78:596-7, Aug 70 (Dut)
[S-Alkylmercapto groups for protection of the SH-function of cysteine. II. Thiol-disulfide exchange of asymmetric disulfides of cysteine] Weber U, et al.
Hoppe Seylers Z Physiol Chem 351:1389-94, Nov 70 (Ger)
[Studies on the reaction ability of 1.2-dimercaptomaleinic acid nitrile] Wolniak O, et al.
Pharmazie 25:602-6, Oct 70 (Ger)
[Reactions of L-alpha-tosylamido-beta-propiolactone. 3. Reactions with mercaptans] Taguchi Y, et al.
J Pharm Soc Jap 90:1581-3, Dec 70 (Jap)
[Reduction of methylene blue by SH-compounds] Vishnevskaia ZI, et al.
Biofizika 14:228-32, Mar-Apr 69 (Rus)
[Effect of some glutamine analogs and sulfhydryl group reagents on Clostridium welchii SR-12 glutaminase activity] Kovalenko NA, et al.
Biokhimiia 35:670-4, Jul-Aug 70 (Rus)
[Interaction of proteins with low-molecular thiols and disulfides in vitro] Titov AV.
Biokhimiia 35:543-8, May-Jun 70 (Rus)
[Rat plasma enzyme activity in various types of acute toxic liver lesions] Pokrovskiĭ AA, et al.
Biull Eksp Biol Med 65:60-3, May 68 (Rus)
[The significance of H-cholinoreceptor sulfhydryl groups in the mechanism of proserine action] Tarakhovskiĭ ML.
Biull Eksp Biol Med 69:72-5, Apr 70 (Rus)
[Regulation of the duration of autonomic ganglionic blockade] Khromov-Borisov NV, et al.
Dokl Akad Nauk SSSR 191:729-31, 1970 (Rus)
[Absence of mercaptoethylguanidine and guanidoethyldisulfide among the transformation products of 2-aminoethylisothiuronium in organisms and cells] Tarasenko AG, et al.
Dokl Akad Nauk SSSR 187:203-6, 1 Jul 69 (Rus)
[Local anesthetizing activity and electron donating properties of anesthetic molecules] Komissarov IV, et al. Farmakol Toksikol 33:681-3, 1970 (Rus)
[Toxicity and radiation protective action of certain ammonium and sulfur compounds] Kostiukovskiĭ IaL, et al. Radiobiologiia 11:141-4, Jan-Feb 71 (Rus)
[Correlation of the degree of radioresistance and thiol compound levels in Vicia faba roots] Nor-Arevian NG, et al. Radiobiologiia 11:281-4, Mar-Apr 71 (Rus)
[Role of sulfhydryl groups in the determination of natural radiosensitivity of Vicia faba and Triticum shoots] Semerdzhian SP, et al.
Radiobiologiia 11:278-81, Mar-Apr 71 (Rus)

ADMINISTRATION & DOSAGE

[Alkylans-alkylandum-reactions. 6. Antidote effects of thiol groups containing alkylants against N,N-bis (2-chlorethyl)-methylamine combined with bis-(4-hydroxyiminomethylpyridinium-(1)-methyl)-ether dichloride and atropine] Rauen HM, et al.
Arzneim Forsch 21:848-52, Jun 71 (Ger)
[Electrophoresis of unithiol] Moskvichev AI.
Vopr Kurortol Fizioter Lech Fiz Kult 36:70-2, 1971 (Rus)

ADVERSE EFFECTS

[An unusual case of various toxico-allergic symptoms resulting from the effects of a chemical substance] Raben AS, et al.
Klin Med (Mosk) 48:109-10, Dec 70 (Rus)

ANALYSIS

Thiol group content in tropomyosin and troponin. Drabikowski W, et al. Acta Biochim Pol 17:221-9, 1970
Two-wave length visible cytospectrophotometry of nucleic acids and proteins in the motor and sensory neurons and their glial cell-satellites of rat spinal cord during corazol seizures. Pevzner LZ, et al.
Acta Histochem (Jena) 39:101-17, 1971
Determination of the reactive sulfhydryl groups in heme proteins with 4,4'-dipyridinedisulfide.
Ampulski RS, et al. Anal Biochem 32:163-9, 15 Oct 69
Quantitative microdetermination of total--SH groups in proteins. Sakai H. Anal Biochem 26:269-76, Nov 68
Determination of protein thiol groups by atomic absorption spectrometry. Suzuki M, et al.
Anal Biochem 32:106-17, 15 Oct 69
Changes in the 4-PDS-reactive -SH groups of hemoglobin associated with the binding of phosphates and ligands. Taketa F, et al.
Anal Biochem 32:169-74, 15 Oct 69
The investigation of reactive sulphydryls in enzymes and their variants by starch-gel electrophoresis: studies on the human phosphohexose isomerase variant PHI5-1. Hopkinson DA.
Ann Hum Genet 34:79-84, Jul 70
A quantitative cytophotometric study of protein-bound sulphydryl groups in human palatal cells under experimental prosthetic conditions. Sillevis Smitt PA, et al. Arch Oral Biol 15:1133-42, Dec 70
Absence of thiolated nucleotides in ribosomal RNA of E. coli. Champney WS, et al.
Biochem Biophys Res Commun 41:1328-34, 9 Dec 70
Studies on thio-bases in rat liver transfer ribonucleic acid. Agarwal MK. Biochem J 119:61P, Oct 70
The reactivity of group-specific chromophoric reagents. Birkett DJ, et al.
Biochem Soc Symp 31:147-55, 1970
Stoicheiometric, reactivity and environmental probes for sulphydryl groups in enzymes. Gutfreund H, et al.
Biochem Soc Symp 31:39-47, 1970 (11 ref.)
The covalent structure of a human gamma G-immunoglobulin. X. Intrachain disulfide bonds. Gall WE, et al. Biochemistry 9:3188-96, 4 Aug 70
Studies on the mechanism of inhibition of the mitochondrial electron transport by antimycin. IV. Effect of surface-active agents on the antimycin-inhibition curve and availability of sulfhydryl groups of the heart muscle preparation. Bryla J, et al.
Biochim Biophys Acta 226:213-20, 2 Mar 71
A novel procedure to titrate the thiol function of cysteine residues. Toniolo C, et al.
Biochim Biophys Acta 214:368-70, 21 Aug 70
Sulphydryl levels of some human tissues and tumours. Doxey D. Br J Cancer 25:46-52, Mar 71
Thiol groups in the blood clotting action of factor VIII. Austen DE. Br J Haematol 19:477-84, Oct 70
The sulfhydryl content of rabbit and trout myosins in relation to protein stability. Buttkus H.
Can J Biochem 49:97-107, Jan 71
The sulfhydryl groups of muscle phosphorylase. V. The reactive sulfhydryl peptides. Zarkadas CG, et al.
Can J Biochem 48:763-76, Jul 70
The thiol groups of rat liver cystathionase. Influence of pyridoxal phosphate, L-homoserine and L-alanine on the effect of p-chloromercuribenzoate and 5,5-dithiobis-(2-nitrobenzoate) on the enzyme. Dème D, et al. Eur J Biochem 20:269-75, 28 May 71
Non-protein sulfhydryl content of Ehrlich ascites tumor cells exposed to hyperbaric oxygen or x-irradiation. Harris JW.
Exp Cell Res 50:293-305, May 68
Variations of cellular sulfhydryl content during cell cycle of HeLa cells and its correlation to cyclic change of x-ray sensitivity. Ohara H, et al.
Exp Cell Res 58:183-5, Nov 69
Tentative method of analysis for mercaptan content of the atmosphere. Health Lab Sci 7:270-5, Oct 70
Purine nucleoside phosphorylase from human erythrocytes. V. Content and behavior of sulfhydryl groups. Agarwal RP, et al.
J Biol Chem 246:3763-8, 10 Jun 71
Sulfhydryl studies of spinach leaf glyoxylic acid reductase. Warren WA, et al.
J Biol Chem 245:3840-9, 10 Aug 70
Ribosomes, bound and unbound.
Nature (Lond) 232:84, 9 Jul 71
[Histochemical research on cytoplasmic inclusions in the reticular cells of the lymphoid follicles in the appendix of the normal rabbit] Pompidou A.
Acta Histochem (Jena) 39:134-47, 1971 (Fre)
[Gas liberated by Clostridium oedematiens cultivated on sodium thioglycolate medium in a vacuum] Labarre C, et al.
Ann Inst Pasteur (Paris) 117:222-5, Aug 69 (Fre)
[A histological and histochemical study of the nucleus preopticus of the carp (Cyprinus carpio L.)] Wenger T, et al. Z Mikrosk Anat Forsch 83:277-88, 1971 (Fre)
[SH group composition of yeast alcohol dehydrogenase after Co60-gamma-irradiation] Ganzke I, et al.
Radiobiol Radiother (Berl) 11:329-33, 1970 (Ger)
[The influence of 4-hydroxypentenal on the content of protein-bound and not-protein-bound SH-groups in normal and tumor cells] Rindler R, et al.
Z Naturforsch [B] 25:739-44, Jul 70 (Ger)
[Mechanism of action of pilocarpine on lactic dehydrogenase] Fiore C, et al.
Ann Ottalmol Clin Ocul 95:569-72, Jun 69 (Ita)
[On the formation of H2S and of CH3SH in spoiled sausages and hams: action of microorganisms] Bianchi MA, et al. Arch Vet Ital 21:113-8, 30 Jun 70 (Ita)
[Histochemical determination of thyrosine, melanine and SH-groups in the dentin in incipient caries] Sinitsyn RG, et al.
Biull Eksp Biol Med 71:1-4, Mar-Apr 71 (Rus)
[Identification of non-protein thiol groups after the administration of cystamine] Titov AV, et al.
Radiobiologiia 10:606-8, Jul-Aug 70 (Rus)
[Sensitive fluorometric method of determining SH- and S-S-groups when jointly present] Mironov GP, et al.
Vopr Med Khim 17:83-8, Jan-Feb 71 (Rus)
[The histochemistry of sulfhydryl groups in endometrial hyperplasia and cancer] Kazantseva IA, et al. Vopr Onkol 16:43-7, 1970 (Rus)
[Determination of tissue sulfhydryl groups] Paviiuk VM, et al. Fiziol Zh 16:763-4, Sep-Oct 70 (Ukr)

ANTAGONISTS & INHIBITORS

Chemical evidence showing involvement of sulfhydryl groups in protein synthesis with E. coli system. Kimura K, et al.
Biochem Biophys Res Commun 43:882-7, 21 May 71
The effect of a cross-bridging thiol reagent on the catecholamine fluxes of adrenal medulla vesicles. Hasselbach W, et al. Biochem J 119:265-71, Sep 70
The reaction of 4-(p-trimethylammoniumphenylazo)-2-hydroxymercuriphenol with the thiol groups of proteins. Bloemmen J, et al.
Biochim Biophys Acta 236:487-96, 25 May 71
The inactivation and dissociation of Escherichia coli succinyl-CoA synthetase by sulfhydryl reagents. Grinnell F, et al.
Biochim Biophys Acta 212:150-7, 15 Jul 70
Studies of the effect of sulphydryl and other inhibitors on reticulocyte uptake of doubly-labelled transferrin. Edwards SA, et al. Br J Haematol 20:405-16, Apr 71
Kinetics of the reaction of p-chloromercuribenzoate with the sulfhydryl groups of glutathione, 2-mercaptoethanol, and phosphorylase b. Hasinoff BB, et al. Can J Biochem 49:742-51, Jun 71
Stimulation of sphingomyelin synthetase by sulfhydryl reagents. Sribney M. Can J Biochem 49:306-10, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Protein-losing gastropathy produced by sulfhydryl reagents. Davenport HW.
Gastroenterology 60:870-9, May 71

Regulation of pyrimidine ribonucleoside incorporation in isolated bone cells. Stimulation by insulin and by 2,3-dihydroxy-1,4-dithiobutane (dithiothreitol). Peck WA, et al. J Biol Chem 246:4439-46, 25 Jul 71

Chemical modification of membranes. II. Permeation paths for sulfhydryl agents. Knauf PA, et al.
J Gen Physiol 58:211-23, Aug 71

Chemical modification of membranes. I. Effects of sulfhydryl and amino reactive reagents on anion and cation permeability of the human red blood cell. Knauf PA, et al. J Gen Physiol 58:190-210, Aug 71

The effects of ethacrynic acid and other sulphydryl reagents on sodium fluxes in frog muscle. Erlij D, et al. J Physiol (Lond) 214:327-47, Apr 71

Effect of sulfhydryl reagents on phenolase action. Jellinck PH, et al. Life Sci [II] 10:791-5, 22 Jul 71

Inhibition of platelet adhesion to collagen by sulfhydryl inhibitors. al-Mondhiry H, et al.
Proc Soc Exp Biol Med 135:878-82, Dec 70

Energy transduction: inhibition of cockroach feeding by naphthoquinone. Norris DM, et al.
Science 170:754-5, 13 Nov 70

The use of selected sulfhydryl inhibitors in a preferential drug attack on cancer. Knock FE, et al.
Surg Gynecol Obstet 133:458-66, Sep 71

[The molluscacide effect of thiol reagents] Zsolnai T.
Zentralbl Bakteriol [Orig] 213:270-83, 1970 (Ger)

BIOSYNTHESIS

[On the formation of hydrogen sulfide and methylmercaptan in seasoned raw hams: action of enzymes] Cantoni C, et al.
Arch Vet Ital 21:293-9, 31 Oct 70 (Ita)

BLOOD

Further investigations on the reactivity of the P-SH groups: relationship between senile cataract and diabetes. Fiore C, et al.
Ann Ottalmol Clin Ocul 95:68-72, Jan 69

Thiol distribution and mercaptalbumin reactivity in the blood plasma of different vertebrates. Fanti P.
Aust J Exp Biol Med Sci 48:631-44, Dec 70

Blood total sulphydryl groups in human beings after surgery. Gupta ML, et al.
J Indian Med Assoc 55:199-201, 16 Sep 70

[Measurement of free and protein-combined sulfhydryl groups in blood plasma by Ellman reaction] Van Caneghem P.
Arch Int Physiol Biochim 79:209-10, Jan 71 (Fre)

[On the diuretic action of ethacrynic acid and on plasmatic sulfhydryl groups in burned dogs] Van Caneghem P, et al.
C R Soc Biol (Paris) 164:1158-62, 1970 (Fre)

[Serum creatine kinase and sulphydryl concentration after ischemic forearm work in patients and carriers of Duchenne's progressive muscular dystrophy] Moser H, et al.
Klin Wochenschr 49:488-94, 15 Apr 71 (Ger)

[Behavior of SH protein groups and glutathione level in women with myoma of the uterus] Kotliński J.
Pol Tyg Lek 26:51-3, 11 Jan 71 (Pol)

[Sulfhydryl activity of blood serum in patients prior to and after strumectomy] Beleva-Stafkova R.
Folia Med (Plovdiv) 12:108-11, 1970 (Bus)

[Metabolic component of disorders of myocardial contractile function in diabetes mellitus] Efimov AS, et al. Kardiologiia 11:135-8, Jan 71 (Rus)

[Sulfhydryl groups as indices of remote sequelae of radiotherapy of breast cancer] Vishnevetskaia EM, et al. Klin Khir 4:57-9, Apr 70 (Rus)

[Content of sulfhydryl compounds in the blood serum of children with thyroid diseases] Ostashevskaia MI.
Pediatriia 49:75-6, Sep 70 (Rus)

[Some characteristics of sulfhydryl (SH) group levels in serum and thyroid tissue of patients with diffuse toxic goiter] Livergant IuE, et al.
Probl Endokrinol (Mosk) 16:10-5, May-Jun 70 (Rus)

[Content of sulfhydryl and disulfide compounds in blood serum of healthy children] Loboda MV.
Pediatr Akush Ginekol 5:15-6, Sep-Oct 69 (Ukr)

[Comparison of diagnostic value of some laboratory indices in rheumatism in children] Lokteva LV.
Pediatr Akush Ginekol 3:17-8, May-Jun 69 (Ukr)

CHEMICAL SYNTHESIS

Synthesis of 2'-deoxy-2'-mercaptouridine. Imazawa M, et al. Tetrahedron Lett 55:4807-10, Nov 70

[S-Alkylmercapto groups for protection of the SH-function of cysteine. I. Synthesis and stability of some S-(Alkylmercapto) cysteines] Weber U, et al.
Hoppe Seylers Z Physiol Chem 351:1384-8, Nov 70 (Ger)

DIAGNOSTIC USE

[Naphthalenethiol in dermoallergological studies] Scarpa C, et al. G Ital Dermatol 44:478-9, Sep 69 (Ita)

METABOLISM

Studies of cellular injury in isolated kidney tubules of the flounder. V. Effects of inhibiting sulfhydryl groups of plasma membrane with the organic mercurials PCMB (parachloromercuribenzoate) and PCMB (parachloromercuribenzenesulfonate).
Sahaphong S, et al. Am J Pathol 63:277-98, May 71

Some biochemical effects of thione-forming disulfides and their use in the study of cell thiols. Grassetti DR.
Ann Ist Super Sanita 5:645-51, 1969

Involvement of sulfhydryl groups in light-dependent transhydrogenase of Rhodopseudomonas spheroides.
Orlando JA. Arch Biochem Biophys 141:111-20, Nov 70

Modification of external sulfhydryl groups of Ehrlich ascites tumor cells with 6,6'-dithiodinicotinic acid.
Grassetti DR, et al.
Biochem Pharmacol 19:1835-8, May 70

Effect of thiols in biological systems on protein sulfhydryl content. Lorber A, et al.
Biochem Pharmacol 19:1551-60, May 70

Peptide sequences and relative reactivity of the reactive sulfhydryl groups of rabbit muscle phosphorylase. Gold AM, et al.
Biochemistry 9:4480-6, 10 Nov 70

Free--SH variations during ATP synthesis by oxidative phosphorylation in heart muscle mitochondria.
Sabadie-Pialoux N, et al.
Biochim Biophys Acta 234:9-15, 6 Apr 71

Sulfhydryl and disulfide groups in HeLa cells. Mauro F, et al. Biophys J 10:1011, Oct 70

Effects of sulphydryl inhibition on the erythrocyte in paroxysmal nocturnal haemoglobinuria. Canellos GP, et al. Br J Haematol 18:269-77, Mar 70

Anti-inflammatory and liver sulfhydryl content-altering effects of certain nonsteroids in the rat. Chang YC, et al. J Pharm Sci 60:416-9, Mar 71

Hypogeusia corrected by Ni++ and Zn++. Henkin RI, et al. Life Sci [II] 9:701-9, 22 Jun 70

Sulfhydryl deficiency in connective tissue disorders: correlation with disease activity and protein alterations. Lorber A, et al.
Metabolism 20:446-55, May 71

Accelerated elimination of methyl mercury from animals. Takahashi H, et al.
Nature (Lond) 232:201-2, 16 Jul 71

[Liberation and determination of polarographically active SH-compounds in changes of the mitochondrial suspension] Remke H.
Acta Biol Med Ger 24:13-24, 1970 (Ger)

[Compensatory hypertrophy of the residual kidney in nephrectomized animals. 8. Action of Salyrgan on the non-protein sulfhydryl groups] Ieranò A, et al.
Boll Soc Ital Biol Sper 45:771-3, 15 Jun 69 (Ita)

[Some critico-evaluative considerations on the relations between the epidermal SH-groups, ultraviolet rays and epithelial tumors] Caccialanza P, et al. G Ital Dermatol 45:562-3, Oct 70 (Ita)

[Changes of some biochemical indicators in experimental hypertension induced with a saline diet in rats] Manta I, et al.
Fiziol Norm Patol 16:427-38, Sep-Oct 70 (Rum)

[2 alternative autooscillatory stationary states in thiol metabolism--2 alternative types of cell multiplication: normal and neoplastic] Sel'kov EE.
Biofizika 15:1065-73, Nov-Dec 70 (Rus)

[Thyroid gland function and H-group concentration in the blood nd tissuesof rabbits with exprimental atherosclerosis] Fbri ZI.
Biull Eksp Biol Med 68:35, Aug 69 (Rus)

[A microspectrophotometric study of the concentration of protein sulfhydryl groups in endometrial gland epithelium in hyperplasia and cancer] Kazantseva IA, et al.
Biull Eksp Biol Med 71:79-81, Mar 71 (Rus)

[Incorporation of amino acids into proteins of altered systems] Konikova AS, et al.
Biull Eksp Biol Med 68:48-51, Aug 69 (Rus)

[Changes in the concentration of sulfhydryl groups in the organs of white rats and mice during reparative regeneration of skeletal muscle] Nikitin VS, et al.
Biull Eksp Biol Med 66:103-5, Aug 68 (Rus)

[Change in the reactive ability of tissue sulfhydryl groups following total or partial irradiation of animals] Speranskaia TA.
Dokl Akad Nauk SSSR 188:223-6, Sep-Oct 69 (Rus)

[Changes in the tissue respiration and sulfhydryl group content of the rat myocardium during acute hemorrhage and hyperbaric oxygenation] Barsukov VA, et al.
Eksp Khir Anesteziol 15:55-7, Nov-Dec 70 (Rus)

[Sulfhydryl group content and morphological changes in rat organs following intraperitoneal administration of Y-90 and Au-198 colloids] Pavliushchik, et al.
Med Radiol (Mosk) 15:54-60, Aug 70 (Rus)

[Concentration of total glutathione and sulfhydryl groups in pneumonia in early childhood] Iboian SR.
Pediatriia 50:32-4, Mar 71 (Rus)

[Relation of the level of endogenous sulfhydryl groups to the natural radiation sensitivity of tumors] Ismailov BI, et al.
Radiobiologiia 10:917-9, Nov-Dec 70 (Rus)

[The concentration of endogenous sulfhydryl groups in the cells of ascitic tumors during their growth] Ismailov BI, et al. Vopr Onkol 17:99-101, 1971 (Rus)

[Sulfur containing compounds of proteins and protein-less filtrates of human uterine tumors] Misheneva VS, et al. Vopr Onkol 16:17-23, 1970 (Rus)

[A study of the level of tissue sulfhydryl groups, and adenosine triphosphatase and cholinesterase activity of the liver of the rat in a course of administration of Arzni mineral water] Movsesian TG.
Zh Eksp Klin Med 7:27-31, 1967 (Rus)

[Changes in the concentrations of proteins and amino acids in the brains of experimental animals under the influence of schizophrenic patient serum (a histochemical and cytophotometric study)] Iakobson IS. Zh Nevropatol Psikhiatr 70:1833-7, 1970 (Rus)

[The importance of protein thiol groups in the formation of the mitotic apparatus] Alov IA, et al.
Zh Obshch Biol 30:452-8, Jul-Aug 69 (Rus)

[Effect of splenin on sulfhydryl compounds of the liver and spleen] Olefnik BV, et al.
Fiziol Zh 17:222-4, Mar-Apr 71 (Ukr)

[Participation of sulfhydryl compounds in formation of methemoglobin] Loboda IuI, et al.
Ukr Biokhim Zh 42:81-5, 1970 (Ukr)

PHARMACODYNAMICS

Sulphydryl dependence of arterial lecithin: cholesterol transacylase. Abdulla YH, et al.
Atherosclerosis 12:319-20, Sep-Oct 70

The effects of thiols on cholesterol synthesis by rat liver in vitro. Hornby GM, et al.
Biochem Biophys Res Commun 40:524-9, 11 Aug 70

The effect of thiol compounds on rat liver sulphotransferases. Barford DJ, et al.
Biochem J 119:28P, Sep 70

Gamma-aminobutyric acid and running fits induced by gamma-mercaptobutyric acid. Ito N.
Biochem Pharmacol 18:2605-14, Oct 69

Sulfhydryl inhibitors and enzyme-substrate interactions of carbamyl phosphate synthetase. Novoa WB, et al. Biochim Biophys Acta 220:503-12, 16 Dec 70

Normal human lymphocytes treated in vitro with the sulfhydryl compound AET: relationship to the lymphocytes of paroxysmal nocturnal hemoglobinuria. Sirchia G, et al.
Blood 37:563-7, May 71

Effects of therapeutically useful thiols (DL-penicillamine and alpha-mercaptopropionylglycine) on immunoglobulins. Virella G, et al.
Clin Exp Immunol 7:85-107, Jul 70

Estrogenic activity of 4-mercuri-17 beta-estradiol and its mercaptide following systemic administration.
Ellis RW, et al. Endocrinology 88:1138-40, May 71

Ultrastructural response of the neural plate cells of chick embryos to dithiodiglycol. Messier PE.
Experientia 27:304-5, 15 Mar 71

Sulfhydryl group reagents: effect on intestinal smooth muscle. Stubbins JF, et al.
Experientia 27:669-70, Jun 71

Effect of sulfhydryl reagents on the ribosomes of Bacillus subtilis. Ranu RS, et al.
J Bacteriol 107:53-60, Jul 71

The B protein of Escherichia coli tryptophan synthetase. I. Effects of sulfhydryl modification on enzymatic activities and subunit interaction. Miles EW. J Biol Chem 245:6016-25, 25 Nov 70

Effect of sulfhydryl-binding reagents on islet tissue permeability: protection and reversal by thiol compounds. Watkins D, et al.
J Pharmacol Exp Ther 176:42-51, Jan 71

Effect of thiol-compound on toxicity of habu snake (Trimeresurus flavoviridis hallowell) venom.
Kurihara N, et al. Jap J Pharmacol 21:253-61, Apr 71

Neuromuscular blocking actions of nereistoxin and its derivatives and antagonism by sulfhydryl compounds.
Nagawa Y, et al. Jap J Pharmacol 21:185-97, Apr 71

Modification of radiosensitivity of Ehrlich ascites carcinoma cells "in vivo". II. Sensitizing ability of sulfhydryl-binding agents to hypoxic tumor cells.
Tanaka N, et al. Nippon Acta Radiol 30:6-11, Jan 71

Influence of some -SH group effectors on the incorporation of mevalonic acid by Pinus pinaster seedlings. Garcia-Peregrin E, et al.
Rev Esp Fisiol 26:209-15, Sep 70

[Study of cytologic and enzymatic modifications during hepatocyte aggressions (original action of citiolone, a cyto-membrane protector: value of its use in the treatment of hepatic diseases)] Moretti G, et al.
Cah Med 11:999-1004, 10 Oct 70 (Fre)

[Animal experimental studies of the kinetics of tritium-labelled proline] Koch H, et al.
Z Gesamte Inn Med 26:166-70, 1 Mar 71 (Ger)

[Thiol groups, factors normalizing pathological hormonal relationships in bovine sterility] Oeriu I, et al. Zentralbl Veterinaermed [A] 17:34-41, Jan 70 (Ger)

[Studies of protein analysis in the nucleus and the cortex of the bovine lens. 2. Effects of SH-containing reagents on the sedimentation coefficient] Mikuni I.
Acta Soc Ophthalmol Jap 74:1528-33, Nov 70 (Jap)

[Functional activity of macrophages under double stimulation] Braude AI, et al.
Biull Eksp Biol Med 70:60-2, Dec 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOLOGY

[Participation of SH-groups in realization of the stimulating action of insulin on the uptake of C14-glycine by tissues and on its incorporation into tissue proteins] Vasil'eva LE, et al. Biokhimiia 35:458-62, May-Jun 70 (Rus)
[Role of endogenous thiols in the radiosensitivity of mammals] Tu LS. Izv Akad Nauk SSSR [Biol] 2:212-20, Mar-Apr 71 (Rus)

RADIATION EFFECTS

ESR-studies of the mechanism of radiosensitization. Action of N-ethylmaleimide on irradiated sulfhydryl compounds, irradiated DNA, and irradiated nucleotides. Farcasiu M, et al. Radiat Res 46:415-27, Jun 71
Transfer of radiation energy from macromolecules to sulfur compounds. A comparison between the trapping efficiency of a thiol and its corresponding disulfide. Sanner T. Radiat Res 44:594-604, Dec 70

THERAPEUTIC USE

Autoimmune response to the antithyroid and 131-I therapy of hyperthyroidism. Takó J, et al. Endokrinologie 57:400-4, 1971
Cytostatic and immunologic activity of 5-mercaptouracil desoxyriboside in the management of multiple superficial basal cell epitheliomas. Schwartz SH, et al. J Med (Basel) 1:174-9, 1970
Clinical and physiological evaluation of mucolytic agents nebulized with soproterenol: 10 per cent N-acetylcysteine verus 10 per cent 2-mercaptoethane sulphonate. Hirsch SR, et al. Thorax 25:737-43, Nov 70
[New chemical substances for therapeutic use] Clin Ter 54:273-5, 15 Aug 70 (Ita)
[The action of sulfhydryl substances in fibrosis in joint pathology] Bianchi V, et al. Minerva Med 62:3085-9, 5 Sep 71 (Ita)
[Dependence of antidotal activity of some thiol compounds on their structure] Miziukova IG, et al. Farmakol Toksikol 34:70-4, 1971 (Rus)

TOXICITY

[Hygienic standardization of beta-hydroxyethylmercaptan in the air of industrial establishments] Pugaeva VP, et al. Gig Tr Prof Zabol 15:56-8, 1971 (Rus)

URINE

Formation of mercapturic acids in rats after the administration of aralkyl esters. Clapp JJ, et al. Biochem J 118:765-71, Aug 70
Mercapturic acid formation from Allyl compounds in the rat. Kaye CM, et al. Biochem J 119:53P, Oct 70
[Screening for cystinuria and homocystinuria. Manual and semiautomatic quantitative determination of urinary aliphatic compounds with SH groups and S-S bridges] Mönch E, et al. Z Klin Chem Klin Biochem 8:516-9, Sep 70 (Ger)
[Absorption of cystaphos from the gastrointestinal tract and its excretion with urine] Titov AV. Farmakol Toksikol 34:330-3, May-Jun 71 (Rus)

SULFIDES (D1, D2)

Disulfide interchange reactions between cystamine and cystine peptides. Cox DJ, et al. Anal Biochem 41:138-48, May 71
Changes in the 4-PDS-reactive -SH groups of hemoglobin associated with the binding of phosphates and ligands. Taketa F, et al. Anal Biochem 32:169-74, 15 Oct 69
Interferences by sulfhydryl, disulfide reagents and potassium ions on protein determination by Lowry's method. Vallejo CG, et al. Anal Biochem 36:207-12, Jul 70
The affinity of flavin semiquinones for certain aromatic compounds and disulfides. Draper RD, et al. Arch Biochem Biophys 139:265-8, Aug 70
Mn 2+ , and Zn 2+ 1:1 complexes with biochemically significant thioether carboxylic acids and some of the sulfoxide and sulfone derivatives. Griesser R, et al. Arch Biochem Biophys 144:628-35, Jun 71
Phosphorylation coupled to oxidation of thiol groups (GSH) by cytochrome c with disulfide (GSSG) as an essential catalyst. II. Demonstration of ATP formation from ADP and HPO4 2-. Painter AA, et al. Biochem Biophys Res Commun 40:369-77, 27 Jul 70
Phosphorylation coupled to oxidation of thiol groups (GSH) by cytochrome c with disulfide (GSSG) as an essential catalyst. I. Demonstration of ADP formation from AMP and HPO4 2-. Painter AA, et al. Biochem Biophys Res Commun 40:360-8, 27 Jul 70
The conformational energy map for the disulphide bridge in proteins. Perahia D, et al. Biochem Biophys Res Commun 43:65-8, 2 Apr 71
Alkaline hydrolysis of the disulfide bonds of ovomucoid and of low molecular weight aliphatic and aromatic disulfides. Donovan JW, et al. Biochemistry 10:32-8, 5 Jan 71
The chemical identification of S-Hg-S bonds in mercury protein derivatives. Burstein Y, et al. Biochim Biophys Acta 221:410-2, 17 Nov 70
Iodine modification of E. coli tRNA Phe : reversible modification of 2-methylthio-N 6 -isopentenyladenosine and lack of disulfide formation. Faulkner RD, et al. Biochim Biophys Acta 238:464-74, 27 May 71
Effect of reduction of disulfide bonds on uptake of intrinsic factor-cyanocobalamin complex by homogenates of guinea pig ileum. Finkler AE, et al. Biochim Biophys Acta 222:244-7, 27 Oct 70
Spectroscopic studies on the reduction and reformation of the disulfide bonds of Papaya lysozyme. Barel AO, et al. Eur J Biochem 19:488-95, 30 Apr 71
The redox cleavage of the sulfur-sulfur bond and carbon-sulfur bond in organic disulfides by a model coenzyme. Wang CH, et al. Experientia 27:243-4, 15 Mar 71
Further studies on the specific and quantitative aspects of antigen adsorption by disulphide-linked antibody immunosorbents. Chidlow JW, et al. Immunochemistry 7:505-14, Jun 70
Dissociation of Waldenström's immunoglobulin M by the disulfide interchange reaction. Schrohenloher RE. Immunochemistry 8:375-89, May 71
An investigation into the possible use of thermoluminescent (ZnS:CdS:Ag:Ni) phosphors for radiation dosimetry. Elmanharawy MS. Int J Appl Radiat Isot 22:9-15, Jan 71
Reactions of certain trichloromethyl sulfenyl fungicides with low molecular weight thiols. In vivo studies with cells of Saccharomyces pastorianus. Siegel MR. J Agric Food Chem 18:823-6, Sep-Oct 70
Reactions of certain trichloromethyl sulfenyl fungicides with low molecular weight thiols. In vitro studies with glutathione. Siegel MR. J Agric Food Chem 18:819-22, Sep-Oct 70
Base-catalyzed exchange of the iron and sulfide of clostridial ferredoxin. Hong JS, et al. J Biol Chem 245:6582-7, 25 Dec 70
Comparative studies on the modification of specific disulfide bonds of trypsinogen and chymotrypsinogen. Sondack DL, et al. J Biol Chem 246:1630-7, 25 Mar 71
Elongation of the disulfide bonds of bovine pancreatic ribonuclease and the effect of the modification on the properties of the enzyme. Sperling R, et al. J Biol Chem 246:715-8, 10 Feb 71
Formation of randomly paired disulfide bonds in des-(121-124)-ribonuclease after reduction and reoxidation. Taniuchi H. J Biol Chem 245:5459-68, 25 Oct 70
Invertase and disulphide bridges in the yeast wall. Kidby DK, et al. J Gen Microbiol 61:327-33, Jun 70
Preparation of bis(acetyithiobenzyl)sulfide. Smissman EE, et al. J Pharm Sci 59:1696, Nov 70
Observations of onset of sulfide tarnish on gold-base alloys. Tuccillo JJ, et al. J Prosthet Dent 25:629-37, Jun 71
Conformational significance of the intrachain disulfide linkages in immunoglobulins. Litman GW, et al. Proc Natl Acad Sci USA 67:1085-92, Nov 70
[Condensation of some 1,3-diketones with hydrogen sulfide] Uhde W, et al. Arch Pharm (Weinheim) 304:42-7, Jan 71 (Ger)
[Synthesis of insulin fragments with disulfide bridges between intact chains A20-B19] Kamber B. Helv Chim Acta 54:398-422, 1971 (Ger)
[S-Alkylmercapto groups for protection of the SH-function of cysteine. II. Thiol-disulfide exchange of asymmetric disulfides of cysteine] Weber U, et al. Hoppe Seylers Z Physiol Chem 351:1389-94, Nov 70 (Ger)
[Effect of pH on the precipitation of iron sulfide in the medium of Klieger and TSI of Hajna] Piacentini I, et al. Fracastoro 63:300-3, Sep-Oct 70 (Ita)
[Interaction of proteins with low-molecular thiols and disulfides in vitro] Titov AV. Biokhimiia 35:543-8, May-Jun 70 (Rus)
[The mechanism of chemical and biological oxidation of sodium, calcium and iron sulfides] Sorokin IuI. Mikrobiologiia 39:253-8, Mar-Apr 70 (Rus)
[Effect of Matsesta baths with varying hydrogen sulfide content on the blood coagulation system of patients with obliterating atherosclerosis and endarteritis] Buiuklian AA. Vopr Kurortol Fizioter Lech Fiz Kult 36:45-9, 1971 (Rus)
[Effect of hydrogen sulfide baths on nucleic acid depolymerase activity in the tissue of rabbits with experimental atherosclerosis] Sokolova ZA. Vopr Kurortol Fizioter Lech Fiz Kult 35:504-7, Nov-Dec 70 (Rus)

ADMINISTRATION & DOSAGE

Long-term therapy of Wilson's disease. Deiss A, et al. Ann Intern Med 75:57-65, Jul 71
[The effect of Matsesta from hydrogen sulfide water on leukocyte migration into the oral cavity] Tsopikov AS. Stomatologiia (Mosk) 49:73-4, Sep-Oct 70 (Rus)

ANALYSIS

Spectrophotometric determination of sulfide ion with organic disulfides. Humphrey RE, et al. Anal Chem 43:140-2, Jan 71
Thiomercurimetric determination of hydrogen sulfide in natural waters below and above microgram per liter level. Wronski M. Anal Chem 43:606-7, Apr 71
An automatic method for the determination of hydrogen sulphide in natural waters. Grasshoff KM, et al. Anal Chim Acta 53:442-5, Feb 71
A mass spectrographic investigation of the hydrate of H2S and halothane. Cornell BA, et al. Anesthesiology 34:183-4, Feb 71
The molecular freedom of halothane in the mixed hydrate of halothane and H 2 S. Cornell BA, et al. Anesthesiology 35:212-4, Aug 71
The presence of S degrees-containing impurities in commercial samples of oxidized glutathione and their catalytic effect on the reduction of cytochrome c. Massey V, et al. Biochem Biophys Res Commun 42:730-8, 19 Feb 71
Amino acid sequences around the disulphide bridges and methionine residues of porcine pepsin. Tang J, et al. Biochem J 118:611-23, Jul 70
The covalent structure of a human gamma G-immunoglobulin. X. Intrachain disulfide bonds. Gall WE, et al. Biochemistry 9:3188-96, 4 Aug 70
Interchain disulfide bridges of guinea pig gamma-2-immunoglobulin. Oliveira B, et al. Biochemistry 10:26-31, 5 Jan 71
Acidic structural proteins of connective tissue. II. Evidence for disulfide cross-links. Furthmayr H, et al. Biochim Biophys Acta 221:396-8, 17 Nov 70
Studies on phospholipase A and its zymogen from porcine pancreas. II. The assignment of the position of the six disulfide bridges. Haas GH de, et al. Biochim Biophys Acta 221:54-61, 20 Oct 70
The position of disulfide bonds in cobrotoxin. Yang CC, et al. Biochim Biophys Acta 214:355-63, 21 Aug 70
The acid soluble disulphide and mixed disulphide levels of some normal tissues and transplanted tumours. Calcutt G, et al. Br J Cancer 24:599-602, Sep 70
The disulfide bridge sequences of a serine protease of wide specificity from Streptomyces griseus. Johnson P, et al. Can J Biochem 49:548-62, May 71
A simple technique for measuring mean H2S concentration. Duckworth S. J Air Pollut Control Assoc 21:280-3, May 71
A thioredoxin induced by bacteriophage T4. 3. Amino acid sequence around the active center disulfide. Bergiund O, et al. J Biol Chem 245:6036-8, 25 Nov 70
The disulfide bonds of bovine alpha-lactalbumin. Vanaman TC, et al. J Biol Chem 245:4583-90, 10 Sep 70
Disulfides in bean leaves exposed to ozone. Tomlinson H, et al. Phytopathology 60:1842-3, Dec 70
Interchain and intrachain disulfide bridges of a human immunoglobulin M: detection of a unique fragment. Frangione B, et al. Proc Natl Acad Sci USA 68:1547-51, Jul 71
[Gas liberated by Clostridium oedematiens cultivated on sodium thioglycolate medium in a vacuum] Labarre C, et al. Ann Inst Pasteur (Paris) 117:223-5, Aug 69 (Fre)
[Splitting of organic disulfides in rhodan compounds and sulfenic acid rhodanides. 44. Organic compounds] Pohloudek-Fabini R, et al. Pharmazie 26:283-6, May 71 (Ger)
[On the formation of H2S and of CH3SH in spoiled sausages and hams: action of microorganisms] Bianchi MA, et al. Arch Vet Ital 21:113-8, 30 Jun 70 (Ita)
[Sensitive fluorometric method of determining SH- and S-S-groups when jointly present] Mironov GP, et al. Vopr Med Khim 17:83-8, Jan-Feb 71 (Rus)

BIOSYNTHESIS

The role of cysteine desulphhydrase and cysteine synthase in the evolution of hydrogen sulphide in pantothenic acid deficient yeast. Alda K, et al. Antonie van Leeuwenhoek 35:Suppl:115-6, Jun 69
Pyridoxine, pantothenate and methionine effects of H2S formation by Saccharomyces cerevisiae. Wainwright T. Antonie van Leeuwenhoek 35:Suppl:G3-4, Jun 69
Mechanism of "biochemical shock"--II. Direct demonstration of mixed disulfide involvement in the inhibition of deoxycytidine formation in rat thymus in vivo. Filippovich IV, et al. Biochem Pharmacol 20:135-9, Jan 71
Symposium on microbial changes in foods. Production of H 2 S by yeasts: role of nutrients. Wainwright T. J Appl Bacteriol 34:161-71, Mar 71
Extrachromosomal nature of hydrogen sulfide production in Escherichia coli. Layne P, et al. J Bacteriol 106:1029-30, Jun 71
Hydrogen sulphide production by yeast under conditions of methionine, pantothenate or vitamin B6 deficiency. Wainwright T. J Gen Microbiol 61:107-19, Apr 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Relations between sulfite formation and hydrogen sulfide formation in Saccharomyces cerevisae] Dittrich HH, et al.
Zentralbl Bakteriol [Naturwiss] 124:113-8, 1970 (Ger)
[On the formation of hydrogen sulfide and methylmercaptan in seasoned raw hams: action of enzymes] Cantoni C, et al.
Arch Vet Ital 21:293-9, 31 Oct 70 (Ita)

BLOOD

[The accummulation of disulfide groups, a sign of pathological hormone relationship in bovine sterility. 1] Oeriu S, et al.
Zentralbl Veterinaermed [A] 16:927-31, Dec 69 (Ger)
[Content of sulfhydryl and disulfide compounds in blood serum of healthy children] Loboda MV.
Pediatr Akush Ginekol 5:15-8, Sep-Oct 69 (Ukr)

CHEMICAL SYNTHESIS

The synthesis of a mixed disulfide of glutathione and 3-carboxy-4-nitrobenzenethiol ("reduced Ellman's reagent"). Mannervik B.
Acta Chem Scand 24:1847-8, 1970
Technetium-99m sulfide colloid preparation for scintigraphy of the reticuloendothelial system. Bertil R, et al. Acta Radiol [Ther] (Stockh) 9:567-76, Dec 70
Biologically oriented organic sulfur chemistry. 7. Carbonyl disulfides as inhibitory agents for Histoplasma capsulatum. Field L, et al.
J Med Chem 14:202-6, Mar 71
[Synthesis of substituted phenylcinnolyl-sulfides and sulfones. 2. Cinnolines] Yarnal SM, et al.
Arch Pharm (Weinheim) 303:560-2, Jul 70 (Ger)
[Reaction behavior of dehydrobenzol with activated double binding systems] Neidlein R, et al.
Pharmazie 26:81-2, Feb 71 (Ger)

DIAGNOSTIC USE

[Tc99m-gelatin--a radiodrug for liver scintigraphy] Pollähne W, et al.
Radiobiol Radiother (Berl) 11:541-5, 1970 (Ger)

ISOLATION & PURIFICATION

The amino acid sequence of a peptide containing the active center disulfide of thioredoxin reductase from Escherichia coli. Thelander L.
J Biol Chem 245:6026-9, 25 Nov 70

METABOLISM

Some biochemical effects of thione-forming disulfides and their use in the study of cell thiols. Grassetti DR.
Ann Ist Super Sanita 5:645-51, 1969
Hydrogen sulfide-negative variant of Citrobacter. Washington JA 2d, et al.
Appl Microbiol 20:587-9, Oct 70
Modification of external sulfhydryl groups of Ehrlich ascites tumor cells with 6,6'-dithiodinicotinic acid. Grassetti DR, et al.
Biochem Pharmacol 19:1836-8, May 70
Microsomal oxidation of alpha-thiocarboxylic acids to sulfoxides. Lee YC, et al.
Biochem Pharmacol 19:2825-32, Nov 70
The masking of a membrane bound enzyme catalysing disulphide interchange by polysomes: effects of steroid hormones and aflatoxin B1 on the system. Rabin BR, et al. Biochem Soc Symp 31:203-15, 1970
Electron transfer during sulphide and sulphite oxidation by Thiobacillus concretivorus. Moriarty DJ, et al. Biochim Biophys Acta 216:130-8, 4 Aug 70
Disulfide reduction in rat liver. II. Chromatographic separation of nucleotide-dependent disulfide reductase and GSH-disulfide transhydrogenase activities of the high-speed supernatant fraction. Tietze F. Biochim Biophys Acta 220:449-62, 16 Dec 70
Sulfhydryl and disulfide groups in HeLa cells. Mauro F, et al. Biophys J 10:1011, Oct 70
A molecular approach to fertilization. I. Disulfide bonds in Xenopus laevis jelly coat and a molecular hypothesis for fertilization. Gusseck DJ, et al.
Dev Biol 25:337-47, Jul 71
Intravital nontoxic sulfide loading of synaptic zinc in hippocampus. McLardy T. Exp Neurol 28:416-9, Sep 70
Metabolic studies with bexide (Herbisan) herbicide in the dairy cow. Gutenmann WH, et al.
J Agric Food Chem 19:200-1, Jan-Feb 71
The metabolism of amino acids, peptides, and disulfides in lysosomes of fibroblasts cultured from normal individuals and those with cystinosis. Schulman JD, et al. J Exp Med 132:1090-104, 1 Dec 70
[Mechanism of reduction of disulfides by reduced vitamin B 12r] Scandurra R, et al.
Ric Sci 39:444-7, Apr-Jun 69 (Ita)
[A potentiometric study of the dynamics of the photo-oxidation of sulfides by photosynthetic bacteria] Gulanian SA, et al.
Mikrobiologiia 39:259-63, Mar-Apr 70 (Rus)
[Role of bacteria in gold migration in deposits] Lialikova NN, et al.
Mikrobiologiia 38:905-10, Sep-Oct 69 (Rus)

PHARMACODYNAMICS

Reversal of the growth inhibitory effects of 6-methylthiopurine ribonucleoside. Bennett LL Jr, et al. Biochem Pharmacol 19:2172-6, Jun 70
Inhibition of hepatic drug-metabolizing enzymes by pyridoxine-5-disulfide 2HCl·2H 2 O(pyrithioxine). Endo Y, et al. Biochem Pharmacol 19:2839-51, Nov 70
Effects of a disulfide (Ellman's reagent) and thiols on oxidative phosphorylation and ion transport by rat liver mitochondria. Haugaard N, et al.
Biochem Pharmacol 18:2385-91, Oct 69
Sulfhydryl inhibitors and enzyme-substrate interactions of carbamyl phosphate synthetase. Novoa WB, et al. Biochim Biophys Acta 220:503-12, 16 Dec 70
Some properties of substrains of L-cells with a decreased sensitivity to bis(2-chloroethyl)sulfide. Walker IG, et al. Cancer Res 31:510-5, May 71
Memory consolidations in rats with sulfide-loaded hippocampal zinc-rich synapses. McLardy T.
Exp Neurol 29:468-72, Dec 70
Biologically oriented organic sulfur chemistry. 7. Carbonyl disulfides as inhibitory agents for Histoplasma capsulatum. Field L, et al.
J Med Chem 14:202-6, Mar 71
Effect of bis(-3-hydroxypropyl) trisulfide on the peripheral blood of rats irradiated with high doses of x-rays. Zebro T, et al. Pol Med J 10:517-25, 1971
[Thiol groups, factors normalizing pathological hormonal relationships in bovine sterility] Oeriu I, et al. Zentralbl Veterinaermed [A] 17:34-41, Jan 70 (Ger)
[Synthesis and antifungal activity of pyrazole sulfides. II] Giori P, et al. Farmaco [Sci] 26:276-93, Apr 71 (Ita)
[Synthesis and antifungal properties of mono- and di-sulfides of pyrazoles. I] Guarneri M, et al.
Farmaco [Sci] 26:269-75, Apr 71 (Ita)
[An antimicrobial compound from the phenylsulfide series] Stetsiuk VG.
Mikrobiol Zh 31:417-8, Jul-Sep 69 (Ukr)

POISONING

Fatal hydrogen sulphide poisoning associated with industrial waste exposure. Simson RE, et al.
Med J Aust 1:331-4, 6 Feb 71
[A dramatic case of poisoning by polysulfide] Jaulmes P, et al.
Med Leg Domm Corpor (Paris) 2:174-7, Apr-Jun 69 (Fre)
[Neopol (barium polysulfide) intoxication] Jobba G, et al. Arch Toxikol 27:106-10, 1971 (Ger)
[Neopol (barium polysulfide) poisoning] Jobba G, et al.
Orv Hetil 112:503-4, 28 Feb 71 (Hun)
[Various chronic or relapsing skin manifestations, observed in refinery workmen exposed to long term action of hydrogen sulfide] Benini F, et al.
Arcisp S Anna Ferrara 22:973-83, 1969 (Ita)

RADIATION EFFECTS

Transfer of radiation energy from macromolecules to sulfur compounds. A comparison between the trapping efficiency of a thiol and its corresponding disulfide. Sanner T. Radiat Res 44:594-604, Dec 70

THERAPEUTIC USE

Effect of 6,6'-dithiodinicotinic acid on the dissemination of Ehrlich ascites tumour. Grassetti DR. Nature (Lond) 228:282-3, 17 Oct 70
Use of pyridoxine-5-thiol in methyl mercury poisoning. Takahashi H, et al.
Toxicol Appl Pharmacol 18:968-90, Apr 71
[Acceleration of the action of psychotropic drugs by pyrithioxine] Pöldinger W, et al.
Arzneim Forsch 20:936-7, Jul 70 (Ger)

TOXICITY

[Teratologic and embryotoxic studies with formothion and thiometon] Klotzsche C.
Pharm Acta Helv 45:434-40, Jul 70 (Ger)
[Toxicity and radiation protective action of certain ammonium and sulfur compounds] Kostiukovskif IaL, et al. Radiobiologiia 11:141-4, Jan-Feb 71 (Rus)
[Hemopoiesis and the blood clotting system in poisoning with different carbamino pesticides] Karpenko VN. Vrach Delo 130-3, Jan 71 (Rus)

URINE

Reduction of disulfides with sodium and potassium borohydrides and its application to urinary disulfides. Bir K, et al. Clin Chim Acta 30:183-90, Oct 70
Synthesis of the isomers of the mono- and di-hydroxy-analogues of cystine and comparison with metabolites excreted in the urine. Wälti M, et al.
J Chem Soc [Org] 12:2326-8, 1971
[Screening for cystinuria and homocystinuria. Manual and semiautomatic quantitative determination of urinary aliphatic compounds with SH groups and S-S bridges] Mönch E, et al.
Z Klin Chem Klin Biochem 8:516-9, Sep 70 (Ger)

SULFINIC ACIDS (D1, D2)

ANALYSIS

An improved colorimetric determination of thiolsulfinate. Nakata C, et al.
Anal Biochem 37:92-7, Sep 70

SULFINPYRAZONE (D7)

THERAPEUTIC USE

Altered platelet function in patients with prosthetic mitral valves. Effects of sulfinpyrazone therapy. Weily HS, et al. Circulation 42:967-72, Nov 70

SULFISOMIDINE (D3)

METABOLISM

Transformation and excretion of drugs in biological systems. VI. Correlation between renal excretion and biotransformation of sulfisomidine and sulfamethizole. Arita T, et al.
Chem Pharm Bull (Tokyo) 19:937-43, May 71
The influence of protein binding on the excretion of some sulphanilamidopyrimidines in man. Walker SR.
J Pharm Pharmacol 22:574-7, Aug 70
[Placentar passage of long-lasting sulfonamides with special reference to chlorsulfisomidine (Sulfaclomid)] Rumler W, et al.
Dtsch Gesundheitsw 25:1900-3, 1 Oct 70 (Ger)

SULFISOXAZOLE (D3)

Enhancement of thiopentone anaesthesia by sulphafurazole. Csögör SI, et al.
Br J Anaesth 42:988-90, Nov 70

METABOLISM

Studies on the physiological availability and metabolism of sulfonamides. II. Sulfisoxazole. Van Petten GR, et al. J Clin Pharmacol 11:35-41, Jan-Feb 71
The renal distribution of sulfonamides. Mobley JE, et al. Surg Gynecol Obstet 131:1122-4, Dec 70
[Intraindividual variations in the elimination rate of drugs] Krauer B. Z Kinderheilkd 108:231-7, 1970 (Ger)

PHARMACODYNAMICS

Competition between sulphonamides and thiopental for the binding sites of plasma proteins. Csögör SI, et al. Arzneim Forsch 20:1925-7, Dec 70

THERAPEUTIC USE

Successful treatment of Pneumocystis carinii and Nocardia asteroides in a renal transplant patient. Cohen ML, et al. Am J Med 50:269-76, Feb 71
[Clinical and bacteriological documentation of the effect of a new chemoantibiotic in infections of the urinary tract] Azzolini F, et al.
Minerva Urol 21:1-6, Jan-Feb 69 (Ita)

URINE

Sulphonamide concentrations in urine during forced diuresis. Tuomisto J, et al.
Ann Med Exp Biol Fenn 48:195-9, 1970

SULFITES (D1)

Chemical modification of tRNA-Tyr-yeast with bisulfite. A new method to modify isopentenyladenosine residue. Furuichi Y, et al.
Biochem Biophys Res Commun 41:1185-91, 9 Dec 70
The mutagenic specificity of sodium bisulfite. Mukai F, et al. Biochem Biophys Res Commun 39:983-8, 5 Jun 70
Bisulfite-catalyzed transamination of cytosine and cytidine. Shapiro R, et al.
Biochem Biophys Res Commun 40:839-43, 24 Aug 70
Sulfoxide formation from methionine or its sulfide analogs during aerobic oxidation of sulfite. Yang SF.
Biochemistry 9:5008-14, 8 Dec 70
A note on the effect of dithionite on p-mercuribenzoate-reacted human hemoglobin. Chiancone E, et al.
Biochim Biophys Acta 214:553-5, 29 Sep 70
Studies on yeast sulfite reductase. 3. Further characterization. Yoshimoto A, et al.
Biochim Biophys Acta 220:190-205, 11 Nov 70
The effects of sodium bisulfite, manganous chloride, and 2,4-dichlorophenol on peroxidase-catalyzed oxidation of indole-3-acetaldehyde. Yeh R, et al.
Can J Biochem 49:162-5, Feb 71
The oxygen-mediated reaction between 4-thiouracil derivatives and bi- sulfite. Isolation and characterization of 1-methyluracil 4-thiosulfate as an intermediate in the formation of 1-methyluracil-4-sulfonate. Hayatsu H, et al.
J Am Chem Soc 93:2301-6, 5 May 71
Bisulfite-catalyzed isotope labeling of cytidine

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

5'-phosphate at its 5 position. Kai K, et al.
J Am Chem Soc 93:2089-90, 21 Apr 71
Metachromatic staining of sodium bisulfite addition derivatives of glycogen. Malinin GI.
J Histochem Cytochem 18:834-41, Nov 70
Oxidative sulfitolysis of human IgM. Zikan J, et al.
J Immunol 106:1136-8, Apr 71

ANALYSIS

Thermodynamics and kinetics of covalent addition of bisulfite ion to pyrimidinium ions. Pitman IH, et al.
J Pharm Sci 59:1295-300, Sep 70

BIOSYNTHESIS

[Relations between sulfite formation and hydrogen sulfide formation in Saccharomyces cerevisae] Dittrich HH, et al.
Zentralbl Bakteriol [Naturwiss] 124:113-8, 1970 (Ger)

METABOLISM

Sulfur dioxide: Sulfite. Interaction with mammalian serum and plasma. Gunnison AF, et al.
Arch Environ Health 22:381-8, Mar 71
The reduction of sulphite, nitrite and hydroxylamine by an enzyme from baker's yeast. Prabhakararao K, et al. Biochim Biophys Acta 216:122-9, 4 Aug 70
Genetic and accumulation studies in sulfite-requiring mutants of Aspergillus nidulans. Gravel RA, et al.
Can J Genet Cytol 12:831-40, Dec 70
Role of thiosulfate in bisulfite reduction as catalyzed by Desulfovibrio vulgaris. Findley JE, et al.
J Bacteriol 103:741-4, Sep 70
Carbon monoxide-reacting pigment from Desulfotomaculum nigrificans and its possible relevance to sulfite reduction. Trudinger PA.
J Bacteriol 104:158-70, Oct 70
[New studies on anabolism in pregnancy. I. Preferential incorporation of 35S by the rat fetus. Comparison between sulfite 35S and methionine 35S] Susbielle H, et al.
Arch Sci Physiol (Paris) 24:165-72, 1970 (Fre)
[New studies on anabolism in pregnancy. II. Incorporation and localization of 35S in several organs of pregnant and control rats. Comparison between 35S-sulfite and 35S-methionine] Susbielle H, et al.
Arch Sci Physiol (Paris) 24:359-68, 1970 (Fre)

PHARMACODYNAMICS

Mechanism of inhibition of glycollate oxidase by aldehyde bisulphite addition compounds, and by relation structures. Corbett JR, et al.
Biochem J 118:51P, Jul 70
Effects of vitamin C and sulfite on embryonic mouse radii grown in organ culture. Jones HH, et al.
Clin Orthop 74:279-300, Jan 71
Effect of dithionite on enzyme activities in vivo. Raunio R, et al. Enzymologia 40:360-8, 31 Jun 71
Aminoacylation of bisulphite-modified yeast tyrosine transfer RNA. Kučan Z, et al.
Nature [New Biol] 232:177-9, 11 Aug 71
Effect of sodium sulfite on methane and propionate in the rumen. Van Nevel CJ, et al.
Z Tierphysiol 26:91-100, Mar 70
[Action of the amino acids plus sulfite combination on the growth of Clostridium. Trypticase-glucose-tyrosine-sulfite (TGTS) medium] Beerens H, et al.
Ann Inst Pasteur (Paris) 119:329-37, Sep 70 (Fre)
[Influence of sodium selenite, sodium tellurite and sodium sulfite on retention and distribution of cadmium in mice] Eybl V, et al.
Arch Toxikol 26:167-75, 1970 (Ger)
[Regulation of the duration of autonomic ganglionic blockade] Khromov-Borisov NV, et al.
Dokl Akad Nauk SSSR 191:729-31, 1970 (Rus)
[Radiation-protective action of sodium hydrosulfite and metabisulfite] Faleeva ZN.
Radiobiologiia 9:766-9, Sep-Oct 69 (Rus)

THERAPEUTIC USE

[Pityriasis versicolor. Comparative study of therapeutic effects] Cardoso AE.
Rev Bras Med 26:620-3, Oct 69 (Por)

TOXICITY

Toxicological evaluation of some combination of food preservatives. Shtenberg AJ, et al.
Food Cosmet Toxicol 8:369-80, Aug 70
[Are the spot-removing sticks dangerous for children?] Henschler D.
Dtsch Med Wochenschr 95:2146, 16 Oct 70 (Ger)

SULFOBROMOPHTHALEIN (D13)

Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71
[Successive abdominal scintillation with 131-I-tagged BSP--description of the thyroid gland, kidney and spleen (comparison with 131-I-RB)] Imaeda T, et al.
Rinsho Hoshasen 15:803-17, Nov 70 (Jap)
[Sulfobromophthalein--not in low temperatures] Tidsskr Nor Laegeforen 91:1162, 30 May 71 (Nor)
[Preparation of 5 per cent solution of bromsulphalein] Alekseev AM, et al.
Farmatsiia 19:60-1, Jul-Aug 70 (Rus)

ADVERSE EFFECTS

Anaphylactic reaction following the use of bromsulphalein in postpartum women. McNicol EM.
J Obstet Gynaecol Br Commonw 77:939-40, Oct 70
[Intolerance reactions to bromosulphalein in hepatic diagnostics] Robert L, et al.
Arch E Maragliano Patol Clin 26:259-72, Jul-Aug 70 (Ita)

BLOOD

The determination of bromsulphthalein in serum. Fleck A, et al. Clin Chim Acta 30:751-9, Dec 70
Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma. Jhingran SG, et al.
J Nucl Med 12:227-30, May 71

DIAGNOSTIC USE

The use of the bromsulphtalein method in investigations of the binding of substances to albumin. Kučerová L, et al.
Acta Univ Carol [Med] (Praha) 16:235-60, 1970
Intracavitary I-131-labeled BSP as follow-up for management of amebic liver abscess. Viranuvatti V, et al. Am J Gastroenterol 55:33-42, Jan 71
Re-evaluation f the merit of the liver scan in the management of patients with cancer of te colon and rectum. Gennaro AR, et al.
Dis Colon Rectum 14:43-5, Jan-Feb 71
Sulfobromophthalein tolerance test in patients with Dubin-Johnson syndrome and their relatives. Shani M, et al. Gastroenterology 59:842-7, Dec 70
The sulfobromophthalein (BSP) liver function test for sheep. Tucker RE, et al. J Anim Sci 32:1190-4, Jun 71
Diagnosis and differentiation of constitutional hyperbilirubinemias using sequential scanning with 131-I-BSP (monoiodide). Ito M, et al.
J Nucl Med 12:95-7, Feb 71
Standard B.S.P. test: importance of sampling site. Breen KJ, et al. Lancet 1:341-2, 13 Feb 71
The measurement of the storage capacity, or relative volume, of the liver by the single intravenous injection of bromsulphthalein in the turkey. Clarkson MJ, et al. Res Vet Sci 11:37-44, Jan 70
[Sulfobromophthalein test--some problems associated with its procedure and clinical use] Fassati P, et al.
Cas Lek Cesk 110:271-5, 19 Mar 71 (Cze)
[Cutaneous burn and choleresis in rats. 3. Action of burn on biliary excretion of sulfobromophthalein (B.S.P.)] Bel C, et al.
J Physiol (Paris) 63:7A-8A, Mar-Apr 71 (Fre)
[Study of biliary excretion of bromsulphalein by continuous determination in rats] Cassaigne R, et al.
Lille Med 13:303-6, Mar 68 (Fre)
[Sulfobromophthalein test in infancy] Donath A, et al.
Helv Paediatr Acta 25:634-46, Dec 70 (Ger)
[Functional scintigraphy of the liver with I-131-bengal rose or I-131-bromsulphaleinin the differential diagnosis of icterus] Deckart H, et al.
Radiobiol Radiother (Berl) 11:527-40, 1970 (Ger)
[Nuclear drugs in hepatological diagnosis. Use of I-131-bromsulphalein] Herzmann H, et al.
Radiobiol Radiother (Berl) 11:519-26, 1970 (Ger)
[BSF test in the functional semeiology of icterogenic liver diseases] Castellani EP, et al.
Arcisp S Anna Ferrara 22:905-28, 1969 (Ita)
[Conjugation of BSP-glutathione as a test method for evaluation of hepatoprotective substances] Haller PH. Farmaco [Prat] 25:790-3, Dec 70 (Ita)
[Effect of liver extracts on ability to conjugate bromosulphthalein (BSP)] Haller PH, et al.
Farmaco [Prat] 25:776-89, Dec 70 (Ita)
[Relation between sulfobromophthalein Au-198 clearance and scintigraphic aspects in hepatopathies] Maduli S, et al. G Clin Med 51:180-256, Mar 70 (Ita)
[The behavior of the sulfobromophthalein chromoelimination curves subjects with ethylic hepatopathy treated with a liver extract enriched with nucleosides of the pyrimidine series and ith cyanocobalamine] D'Agostino F.
Minerva Med 61:4893-901, 31 Oct 70 (Ita)
[The free bilirubin tolerance test as a liver function test and its comparison with the BSF tolerance test] Gentilini P, et al.
Sperimentale 119:281-97, Jul-Aug 69 (Ita)
[BSP--its values in various liver diseases and the function test by 121-I-BSP] Ito K, et al.
Jap J Clin Med 29:Suppl:341-50, Jan 71 (52 ref.) (Jap)
[Liver and bile duct scintiscanning--meaning of serial 131-IBSP abdominal scanning as a biliary function test] Iwase T, et al. Naika 27:868-77, Apr 71 (Jap)
[Liver activity during considerable exertion in sports in the light of the bromosulphophthalein test] Fojt E, et al. Pol Arch Med Wewn 45:755-61, 1970 (Pol)
[Usefulness of bromsulphalein tests in the evaluation of liver function in biliary duct atresia in children] Grochwoski J, et al.
Przegl Lek 27:442-4, 28 Jun 71 (Pol)
[Use of sulfobromphthalein to study liver function in children and adolescents with pulmonary tuberculosis] Vilenskaia RN, et al.
Probl Tuberk 48:53-7, 1970 (Rus)
[Metabolism of sulfobromophthalein (BSF) in Dubin-Johnson syndrome (study of 4 cases)] Rodes J, et al. Rev Clin Esp 115:125-32, 31 Oct 69 (Spa)
[Hepatic clearance tests] Meeroff JC.
Rev Esp Enferm Apar Dig 34:375-94, 15 May 71 (Spa)
[Semiological value of the disappearance curve of plasma bromosulphalein, taken at short intervals; kinetics of this dye] Valtuena JP, et al.
Rev Esp Enferm Apar Dig 31:351-74, 15 May 70 (Spa)
[Tolerance of galactose and bromsulfthalein in liver cirrhosis. A comment to a reply] Järnerot G.
Nord Med 85:351-2, 18 Mar 71 (Swe)
[Simultaneous bromsulfalein and galactose loading as a liver function test] Nilsson LH, et al.
Nord Med 85:942-3, 5 Aug 71 (Swe)
[Study of secretory function of liver by means of bromsulphalein in small laboratory animals] Pivniuk VM. Fiziol Zh 16:415-7, May-Jun 70 (Ukr)

METABOLISM

Sulfobromophtaalein sodium excretion and hepatic storage in Corriedale and Southdown sheep with inherited hepatic dysfunction. Gronwall R.
Am J Vet Res 31:2131-3, Dec 70
Plasma disappearance and biliary excretion of sulfobromophthalein and phenol-3,6-dibromphthalein disulfonate after microsomal enzyme induction. Klaassen CD. Biochem Pharmacol 19:1241-9, Apr 70
Further studies of the binding of bromsulphthalein by serum albumin. Crawford JS, et al.
Br J Anaesth 43:244-51, Apr 71
Studies on the inhibition of clearance of organic dyes by Saramycetin. Cooney DA, et al.
Br J Pharmacol 41:140-53, Jan 71
Pharmacokinetic study of biliary excretion. 3. Comparison of excretion behavior in xanthene dyes, fluorescein and bromsulphthalein. Iga T, et al.
Chem Pharm Bull (Tokyo) 19:297-306, Feb 71
Compartmental analysis of sulfobromophthalein transport in normal patients and patients with hepatic dysfunction. Quarfordt SH, et al.
Gastroenterology 60:246-55, Feb 71
Impaired hepatic disposition of sulfobromophthalein sodium in neonatal guinea pigs: nature of the defect. Whelan G, et al. J Lab Clin Med 76:775-89, Nov 70
Competition by unconjugated and conjugated sulfobromophthalein sodium (BSP) for transport into bile. Evidence for a single excretory system. Whelan G, et al. J Lab Clin Med 78:230-44, Aug 71
Maximal biliary transport of sulfobromophthalein in the Wistar rat. A critical study. Dhumeaux D, et al.
Minn Med 54:107-14, Feb 71
Reciprocal relation between plasma albumin level and hepatic sulfobromophthalein removal. Grausz H, et al.
N Engl J Med 284:1403-6, 24 Jun 71
Functional deficits in the isolated perfused pig liver. Elmslie RG, et al. Surg Gynecol Obstet 133:89-92, Jul 71
Temporal aspects of carbon tetrachloride-induced alteration of sulfobromophthalein excretion and metabolism. Priestly BG, et al.
Toxicol Appl Pharmacol 17:786-94, Nov 70
[Determination of the action mechanism of disorders in bromsulphalein kinetics due to old age] Skaunic V.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:267+, 1970 (Cze)
[Various problems in the theory and practice of liver chromosecretion] Skaunic V, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:149+, 1970 (Cze)
[Enzymatic inhibition and biliary conjugation of bromosulfophthalein (study with perfused rat liver)] Vanlerenberghe J, et al.
Arch Int Physiol Biochim 78:935-51, Dec 70 (Fre)
[Mechanism of action of carbon tetrachloride on the power of elimination of bromosulfonophthalein of the liver] Haller PH.
C R Acad Sci [D] (Paris) 271:1686-8, 9 Nov 70 (Fre)
[Changes in bromophthalein metabolism in chronic alcoholics] Rainer H, et al.
Wien Klin Wochenschr 83:168-9, 12 Mar 71 (Ger)
[Mathematical analysis of polyphasic plasma bromsulphalein clearance curve] Mikulecký M.
Wien Z Inn Med 52:116-23, 1971 (Ger)
[Experimental study of the changes induced, with administration of a single dose chlorpromazine, in the chromosecretory function of the liver] Castellani L.
Atti Accad Fisiocrit Siena [Med Fis] 17:214-8, 1968 (Ita)
[Experimental studies for the purpose of establishing the relationship between different doses of chlorpromazine and changes in the chromosecretory function of the liver] Castellani L.

Atti Accad Fisiocrit Siena [Med Fis] 17:219-21, 1968 (Ita)
[Chronic non-hemolytic jaundice with indirect bilirubin (Gilbert's syndrome) with accumulation of pigment in the liver and retention of BSF] Rizzi D, et al. Epatologia 15:77-88, Jan-Feb 69 (Ita)

PHARMACODYNAMICS

Reduced bile flow after sulfobromophthalein administration in the rat. Priestly BG, et al. Proc Soc Exp Biol Med 135:373-6, Nov 70
[Biliary excretion of sulfobromophthalein (B.S.P.) by rats, during long-term experiments] Bel C, et al. J Physiol (Paris) 62:Suppl 2:242, 1970 (Fre)

URINE

[Induced urinary BSP excretion test. Diagnostic value: preliminary results, cause of errors] Toulet J. Arch Fr Mal App Dig 57:821-36, Oct 68 (Fre)
[Urinary excretion of BSF] Barbi G, et al. Minerva Med 61:30-4, 6 Jan 70 (Ita)

SULFONAMIDE MIXTURES (D3)

ADMINISTRATION & DOSAGE

[A trial in treatment of gonorrhea with a sulphonamide with prolonged effect(sulfapherin)] Jorgensen BL. Ugeskr Laeger 133:1257-8, 2 Jul 71 (Dan)

THERAPEUTIC USE

In vivo antibacterial activity of diaveridine-sulfonamide combinations. Carroll PT, et al. Invest Urol 9:21-4, Jul 71
The action of sulphonamide-folic reductase inhibitor combinations against normal and drug-resistant strains of rodent malaria. Peters W. Trans R Soc Trop Med Hyg 65:11-2, 1971
[Therapy of toxoplasmosis] Apt W. Bol Chil Parasitol 25:65-8, Jan-Jun 70 (Spa)

SULFONAMIDES (D2, D3)

Complex formation between macromolecules and drugs. IV. Binding of sulfa drugs to human serum albumin at varying pH values. Elofsson R, et al. Acta Pharm Suec 7:473-82, Nov 70
Fluorescence technique for studying the binding of sulphonamide and other inhibitors to carbonic anhydrase. Kernohan JC. Biochem J 120:26P, Dec 70
Nuclear magnetic resonance studies of bovine carbonic anhydrase. Binding of sulfonamides to the zinc enzyme. Lanir A, et al. Biochemistry 10:1024-32, 16 Mar 71
Fluoroalkanesulfonanilides, a new class of herbicides. Trepka RD, et al. J Agric Food Chem 18:1176-7, Nov-Dec 70
Flocculation theory and polysorbate 80-sulfaguanidine suspensions. Ecanow B, et al. J Pharm Sci 59:1848-9, Dec 70
Solubility parameter of selected sulfonamides. Sunwoo C, et al. J Pharm Sci 60:238-44, Feb 71
Competitive binding of two sulfas and penicillin G to bovine serum albumin using NMR techniques. Zia H, et al. J Pharm Sci 60:45-7, Jan 71
The interaction of a spin-labeled sulfonamide with bovine carbonic anhydrase B. Chignell CF. Life Sci [I] 10:699-706, 15 Jun 71
Skull and dental changes produced by a sulfonamide in rats. Goultschin J, et al. Oral Surg 31:290-4, Feb 71
Electron spin resonance studies of carbonic anhydrase: transition metal ions and spin-labeled sulfonamides. Taylor JS, et al. Proc Natl Acad Sci USA 67:1410-6, Nov 70
The mode of systemic insecticidal action of sulphaquinoxaline against mosquitoes. Venters D. Trans R Soc Trop Med Hyg 65:24-5, 1971
[Trimethoprim and sulfonamides] Wesseling H. Ned Tijdschr Geneeskd 115:72-6, 9 Jan 71 (71 ref.) (Dut)
[Heat sterilization of sulfonamide solutions] Martin F, et al. J Pharm Belg 25:317-29, Jul-Aug 70 (Fre)
[Physicochemical studies on the suspension syrups. 8. The influence of sodium lauryl sulfate on the dispersion of some sulfonamides] Nakagaki M, et al. J Pharm Soc Jap 90:1226-31, Oct 70 (Jap)
[Photosensitivity caused by sulfa drugs. 3. Role of p-hydroxylaminobenzene sulfonamide in photosensitization by sulfamilamide] Shimotoge M. Jap J Allergy 19:770-6, Oct 70 (Jap)

ADMINISTRATION & DOSAGE

Treatment of acute falciparum malaria from Vietnam with trimethoprim and sulfalene. Canfield CJ, et al. Am J Trop Med Hyg 20:524-6, Jul 71
Single-dose therapy with streptomycin and sulfametopyrazine for bacteriuria during pregnancy. Williams JD, et al. Br Med J 4:651-3, 12 Dec 70
Mafenide hydrochloride and mafenide acetate in spray and ointment forms as topical therapy of C. perfringens contaminated massive wounds: experimental study. Mendelson JA, et al. J Trauma 10:1132-44, Dec 70
Malaria at Nam Ngum Dam construction site in Laos. I. Suppression with combinations of sulfonamides and pyrimethamine. Ebisawa I, et al. Jap J Exp Med 41:209-19, Jun 71
Acid-base effects of topical mafenide acetate in the burned patient. White MG, et al. N Engl J Med 284:1281-6, 10 Jun 71
[From daily to weekly sulfonamide therapy in ORL] Swaluć R. Brux Med 48:673-9, Oct 68 (Fre)
[Controlled trials on place of sulformethoxine on the carrying of choleric vibrions] Lapeysonnie L, et al. Presse Med 79:637-8, 20 Mar 71 (Fre)
[Clinical aspect and therapy of epilepsy in childhood] Nissen G. Monatsschr Kinderheilkd 118:624-9, Nov 70 (Ger)
[Sensitivity of Pseudomonas toward nitrofurantoin, sulfonamide and their combination in agar diffusion test] Tiesler E. Ther Ggw 109:1291-2, Sep 70 (Ger)
[Demonstration of the value of associations of antibacterial agents] Poggiolini D. Clin Ter 56:229-43, 15 Feb 71 (Ita)
[Sulfamides effective even in very low doses] Minerva Med Suppl 40:34-5, May 71 (Ita)
[Current medical treatment of otogenic meningitis] Iannetti G. Valsalva 47:41-7, Feb 71 (Ita)
[Preliminary observations with ultra-delayed elimination sulfonamide in the treatment of leprosy] Pereira Junior AC. An Bras Dermatol 42:35-45, Jam-Mar 67 (Por)
[Treatment of South American blastomycosis of pulmonary localization, with a sulfa administered in weekly doses] Passos Filho MC. Hospital (Rio de J) 76:847-56, Sep 69 (Por)
[Risks in the indiscriminate use of antibiotics and antiseptics sterilizing intestinal bacteria flora] Resen Clin Cient 36:257-8, Nov-Dec 67 (Por)

ADVERSE EFFECTS

Vesical hemorrhages in male aleutian mink caused by hypersensitivity to sulphadimidine. Nordstoga K, et al. Acta Vet Scand 11:481-3, 1970
Acid base changes associated with topical Sulfamylon therapy: retrospective study of 100 burn patients. Asch MJ, et al. Ann Surg 172:946-50, Dec 70
Lymphocyte transformation observed in sulfamylon agranulocytosis. Maurer LH, et al. Plast Reconstr Surg 46:458-62, Nov 70
[Influence of antibiotics and chemotherapeutics on the blood] Jaroš Z. Vnitr Lek 17:714-6, Jul 71 (Cze)
[Drug eruptions caused by sulphonamides] Kuokkanen K, et al. Duodecim 87:382-6, 1971 (Fin)
[Side effects of long-acting sulphonamides] Tuomisto J. Duodecim 87:329-32, 1971 (Fin)
[Galactorrhea due to sulpiride with or without menstrual troubles] Coliche D. J Sci Med Lille 89:69-71, Feb 71 (Fre)
[Amennorrhea-galactorrhea syndrome due to sulpiride] Chimenes H. Presse Med 78:1844, 10 Oct 70 (Fre)
[Effect and use of sulfonamides and antibiotics as well as their side-effects and toxic properties important to agricultural practice and human nutrition] Bentz H. Monatsh Vet Med 25:788-92, 15 Oct 70 (Ger)
[Activity of antibiotics and chemotherapeutics in pregnancy] Hirsch HA. Clin Ter 57:3-7, 15 Apr 71 (Ita)
[On iatrogenic damage caused by chemoantibiotic therapy of chronic bronchopneumopathies] Serra C. Minerva Med 62:770-5, 24 Feb 71 (Ita)
[Agranulocytosis caused by medication] Tidsskr Nor Laegeforen 91:1248-9, 10 Jun 71 (Nor)
[Risks in the indiscriminate use of antibiotics and antiseptics sterilizing intestinal bacteria flora] Resen Clin Cient 36:257-8, Nov-Dec 67 (Por)

ANALYSIS

Potentiometric and indicator titrations of barbiturates and sulfa drugs in tetramethyl-urea. Greenberg MS, et al. Anal Chim Acta 54:159-61, Mar 71
A note on the identification of sulphonamides by thin-layer chromatography. Clarke EG, et al. J Pharm Pharmacol 22:845-7, Nov 70
TLC identification of sulfonamides. Klein HR, et al. J Pharm Sci 60:448-50, Mar 71
[Electrochemical methods in pharmaceutical analysis. II. Applications of coulometry to the determination of sulfonamides and local anesthetics] Girard ML, et al. Ann Pharm Fr 27:173-84, Mar 69 (Fre)
[Determination of sulpiride in a biological medium] Pitel G, et al. Ann Pharm Fr 28:409-15, Jun 70 (Fre)
[Resorption and elimination of N4-substituted sulfanilamides in rats] Funk KF, et al. Pharmazie 25:554-6, Sep 70 (Ger)
[Mechanism of hydrolysis of N4-substituted sulfanilamides in vivo] Funk KF, et al. Pharmazie 25:557-60, Sep 70 (Ger)

ANTAGONISTS & INHIBITORS

[In vitro studies on the potentiality of sulfonamides using Trimethoprim] Bisping W.
Dtsch Tieraerztl Wochenschr 77:511-5, 1 Oct 70 (Ger)

BLOOD

Disc-agar diffusion microbiological assay procedure for determining serum and urine levels of sulfacytine and other sulfonamides. Heifetz CL, et al. Appl Microbiol 21:893-8, May 71
[Spectrofluorometric method for determination of glycodiazine in plasma and of the both glycodiazine metabolites in urine] Held H, et al. Arzneim Forsch 20:1927-9, Dec 70 (Ger)

CHEMICAL SYNTHESIS

[Transformation of sulfur containing amino carbonic acids, peptides and proteins by chlorine. 5. Synthesis of 2-amino carboxyethansulfonamid containing peptides by the acid method] Aleksiev B, et al. Pharmazie 26:18-21, Jan 71 (Ger)
[Synthesis of some acyl derivatives of sulfonamides] Rylski I, et al. Acta Pol Pharm 27:349-55, 1970 (Pol)

ISOLATION & PURIFICATION

[Isolation of derivatives with an unsaturated heterocyclic ring by condensation of aromatic aldehydes with ortho-aminobenzammides and sulfonamides] Cantarelli G. Farmaco [Sci] 25:770-6, Oct 70 (Ita)

METABOLISM

Studies on the metabolism of sulfametoxipirimidine in endotoxin induced stress. Timar M, et al. Biochem Pharmacol 19:3039-41, Dec 70
Influence of pH on the kinetics of complex formation between aromatic sulfonamides and human carbonic anhydrase. Taylor PW, et al. Biochemistry 9:3894-902, 29 Sep 70
Activation of the carcinogen, N-hydroxy-2-fluorenylbenzene-sulfonamide, by desulfonylation to N-2-fluorenylhydroxylamine in vivo. Malejka-Giganti D, et al. Cancer Res 31:778-88, Jun 71
Effect of 5-n-butyl-1-cyclohexyl-2,4,6-trioxoperhydropyrimidine on the sulfonamides transfer in the rat. Kakemi K, et al. Chem Pharm Bull (Tokyo) 18:2386-92, Dec 70
The diffusion of selected sulfonamides, trimethoprim, and diaveridine into prostatic fluid of dogs. Robb CA, et al. Invest Urol 8:679-85, May 71
Combination of bovine carbonic anhydrase with a fluorescent sulfonamide. Chen RF, et al. J Biol Chem 242:5813-23, 25 Dec 67
Maternal thiazides and platelet counts of neonates. Leikin SL. J Pediatr 77:1097-8, Dec 70
The influence of protein binding on the excretion of some sulphanilamidopyrimidines in man. Walker SR. J Pharm Pharmacol 22:574-7, Aug 70
Diffusion of sulfonamides from plasma into prostatic fluid. Winningham DG, et al. J Urol 104:559-63, Oct 70
[Resorption, distribution, excretion and metabolism in rat of a new diuretic: meticrane] Boissier JR, et al. Ann Pharm Fr 28:497-509, Jul-Aug 70 (Fre)
[Pharmacokinetic model studies on the rat. The single-chamber model of the organism] Funk KF. Acta Biol Med Ger 25:151-60, 1970 (Ger)
[Studies on the pharmacokinetics of 7 sulfonamides in early human pregnancy] Kobyletzki D von, et al. Arch Gynaekol 209:440-51, 1971 (Ger)
[Behavior of sulfanilamides in the body] Reimerdes E, et al. Arzneim Forsch 20:1171-9, Sep 70 (187 ref.) (Ger)
[Studies on the pharmacokinetics of p-chlorbenzolsulfonamide (CBS)] Fähndrich A, et al. Pharmazie 26:173-6, Mar 71 (Ger)
[Mechanism of hydrolysis of N4-substituted sulfanilamides in vivo] Funk KF, et al. Pharmazie 25:557-60, Sep 70 (Ger)
[Intraindividual variations in the elimination rate of drugs] Krauer B. Z Kinderheilkd 108:231-7, 1970 (Ger)

PHARMACODYNAMICS

In vitro antibacterial activity of trimethoprim and sulphonamides on bacteria causing bovine mastitis. Rasmussen F. Acta Vet Scand 12:131-3, 1971
The uptake of 35S sulfadiazine by sulfonamide-sensitive and resistant Neisseria meningitidis with reference to its mode of action. Vaichulis EM, et al. Chemotherapy 16:153-61, 1971
Antibacterial activity of diaveridine, trimethoprim, and selected sulfonamides in prostatic fluid. Carroll PT, et al. Invest Urol 8:886-94, May 71
Sensitivity of Nocardia to trimethoprim and sulphonamides in vitro. Black WA, et al. J Clin Pathol 23:423-6, Jul 70
Role of R factor and bacterial host in sulfonamide resistance mediated by R factor in Escherichia coli. Kabins SA, et al. J Infect Dis 123:158-68, Feb 71
Synthetic biologically active polymers. 7. Antibacterial activity of some sulfonamide-formaldehyde

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

copolymers. Donaruma LG, et al.
J Med Chem 14:244, Mar 71
Comparative in-vitro sensitivity of Nocardia species to fusidic acid and sulphonamides. Black WA, et al.
J Med Microbiol 4:293-5, May 71
Effects of mefruside on renal hemodynamics. Ludens JH, et al. J Pharm Sci 59:1841-2, Dec 70
Sulphonamide-resistant meningococcus. Calder J.
Lancet 2:265-6, 31 Jul 71
The minimal inhibitory concentrations of sulphadimethozine and sulphadoxine against Mycobacterium leprae. Ellard GA, et al.
Lepr Rev 41:223-8, Oct 70
Trimethoprim as a possible therapy for nocardiosis and melioidosis. Beaumont RJ.
Med J Aust 2:1123-7, 12 Dec 70
Sensitivity tests with trimethoprim-sulphonamide. Waterworth PM. S Afr Med J 44:Suppl:10-2, 15 Aug 70
The susceptibility of 168 strains of salmonellae to eleven anti-microbial agents. Sng EH, et al.
Singapore Med J 12:8-12, Feb 71
In vitro studies of 100 strains of meningococci: clinical implications. Gordon RC, et al.
South Med J 64:627-30, May 71
The effect of sulphanilamide administration on the porphyrin metabolism and photobiological response in mice and rats. Malina L, et al.
Trans St Johns Hosp Dermatol Soc 56:156-61, 1970
[Attempts to obtain a strain of Plasmodium berghei resistant to the kelfizine-pyrimethamine combination from a strain previously made resistant to sulfonamides] Dupoux R, et al.
Bull Soc Pathol Exot 64:214-9, Mar-Apr 71 (Fre)
[Reduction of the respiration of the promastigote forms of Leishmania. Action of sulfonamide derivatives and immune serums] Benex J.
C R Acad Sci [D] (Paris) 272:2213-6, 26 Apr 71 (Fre)
[Action of metoclopramide and sulpiride on the peristaltic reflex of the guinea pig ileum] Fontaine J, et al. C R Soc Biol (Paris) 164:1873-5, 1970 (Fre)
[Sulpiride and experimental gastric vasomotor reactions. Protective effect in lesions caused by a histamine liberator] Bel A, et al.
J Med Lyon 51:799-806, 20 Mar 70 (Fre)
[Cerebrospinal meningitis at Fès in 1966-1967. II. The epidemic of Fès. B. Bacteriological considerations. (b). Sensitivity in vitro to 3 sulfonamides and 6 antibiotics in 396 strains of Neisseria meningitidis isolated during the epidemic] Menard M, et al.
Med Trop (Mars) 29:565-75, Sep-Oct 69 (Fre)
[Action of sulpiride on the hypothalamic regulating centres for gastric secretion and motility and on serotonin depletion of the central nervous system] La Barre J. Pathol Biol (Paris) 19:213-20, Feb 71 (Fre)
[Synthesis and preliminary test of two sulfonamides with trifluoromethyl groups] Dingeldein E, et al.
Arzneim Forsch 21:571-3, Apr 71 (Ger)
[Experimental data on the antibacterial effect of the combination sulfadoxine-trimethoprim] Böhni E.
Beri Munch Tieraerzti Wochenschr 84:87-91, 1 Mar 71 (Ger)
[Sensitivity of strains of neisseria meningitidis isolated from patients and carriers in the German Federal Republic sulfonamides and antibiotics] Berger U.
Med Klin 65:1691-8, 25 Sep 70 (Ger)
[Influence of thiazides on calcium metabolism] Viskoper JR, et al. Harefuah 80:34, 1 Jan 71 (Heb)
[Further ideas on associations of antimicrobial drugs] Checcacci L. Minerva Med 62:521-32, 10 Feb 71 (Ita)
[In vitro sensitivity to various antibiotics and sulfonamides of 25 strains of Neisseria meningitidis] Cascio G, et al.
Pediatria (Napoli) 78:525-30, 30 Jul 70 (Ita)
[Sensitivity of dysentery bacilli to sulfonamides. Examination by the filter paper disk method] Brodzicki S. Przegl Epidemiol 25:97-103, 1971 (Pol)

POISONING

[Toxic comas and generalized diffuse alveolitis] Huguenard P, et al. Poumon Coeur 26:981-7, 1970 (Fre)

RADIATION EFFECTS

[Photoreactions of sulfonamide Mannich bases. 4. Photochemical reactions of anilino-benzyl ketones] Roth HJ, et al.
Arch Pharm (Weinheim) 303:741-53, Sep 70 (Ger)

THERAPEUTIC USE

Nocardia infections in a general hospital. Goodman JS, et al. Ann NY Acad Sci 174:552-67, 30 Oct 70
The chemotherapy of rodent malaria. XIV. The action of some sulphonamides alone or with folic reductase inhibitors against malaria vectors and parasites. 4. The response of normal and drug-resistant strains of Plasmodium berghei. Peters W.
Ann Trop Med Parasitol 65:123-9, Jun 71
Cutaneous periarteritis nodosa.
Arch Dermatol 102:571-2, Nov 70
Studies on the antimalarial property of 4-methoxy-6-sulfanilamido-pyrimidine monohydrate (sulfamonomethoxine: DJ-1550) and on its effect on the chloroquine-resistant malaria. Yoshinaga T, et al.
Arzneim Forsch 20:1206-10, Sep 70
Long-term control of bacteriuria with trimethoprim-sulphonamide. Cattell WR, et al.
Br Med J 1:377-9, 13 Feb 71
Prolonged fever in bacterial meningitis. Fallon RJ.
Br Med J 2:403-4, 15 May 71
Sulphonamide resistance of salmonellae isolated from farm and other animals. Slavin G.
Br Vet J 126:297-301, Jun 70
The treatment of urinary tract infections with sulfacytine, a new soluble sulfonamide. Moffat NA, et al. Curr Ther Res 13:286-91, May 71
Prophylaxis of epidemic infantile pneumocystosis with a 20:1 sulfadoxine+pyrimethamine combination. Post C, et al. Curr Ther Res 13:273-9, May 71
Sulfamylon, an adjunct in the treatment of indolent wounds: a preliminary report. Ganchrow MI, et al.
Dis Colon Rectum 14:24-8, Jan-Feb 71
The use of fanasil in mass treatment of trachoma. Emiru VP. East Afr Med J 47:457-60, Sep 70
Use of soda bicarbonate solution with sulpha drugs in clinical cases of calf scour. Bhatt BP, et al.
Indian Vet J 47:698-700, Aug 70
Clinical and biochemical evaluation of a new diuretic agent (Metolazone). Keogh B, et al.
J Ir Med Assoc 64:255-60, 27 May 71
Burn wound dressings. II. Effect on wound sepsis. Dressler DP, et al. J Trauma 11:325-30, Apr 71
The effect of topial Sulfamylon on water loss through burn eschar: a re-evaluation. Jelenko C 3d, et al.
J Trauma 10:1123-31, Dec 70
Burn wound dressings. I. Effect on insensible water loss. Skornik WA, et al. J Trauma 11:317-24, Apr 71
Fungal burn wound infection. Nash G, et al.
JAMA 215:1664-6, 8 Mar 71
The use of sulfonamides in urinary tract infection. Pryles CV. Med Clin North Am 54:1077-80, Sep 70
Mafenide acetate in burn treatment. Haynes BW Jr.
N Engl J Med 284:1324, 10 Jun 71
Inhibition of human premature labor by mesuprine hydrochloride. Barden TP.
Obstet Gynecol 37:98-105, Jan 71
The sulphonamides in the management of disease of the gut. Badenoch J. Practitioner 208:12-5, Jan 71
Sulfamylon in burns. RI Med J 54:327, Jun 71
Steroids, antibiotics, sulphonamides and the anaesthetist. Vetten KB. S Afr J Surg 8:41-51, 1970
Studies on the chemotherapy of malaria. I. The treatment of overt falciparum malaria with potentiating combinations of pyrimethamine and sulphormethoxine or dapsone in The Gambia. Laing AB. Trans R Soc Trop Med Hyg 64:562-8, 1970
Trimethoprim and the sulphonamides. Barnett M, et al.
Vet Rec 87:43-51, 11 Jul 70
A field trial with trimethoprim and sulfadoxine in bacterial diseases of cattle and pigs. Rehm WF, et al.
Vet Rec 87:39-42, 11 Jul 70
Antitoxoplasmic activity of sulfonamides with various radicals in experimental toxoplasmosis in mice. Brus R, et al. Z Tropenmed Parasitol 22:98-103, Mar 71
Effect of killed toxoplasma and sulfamonomethoxine on experimental toxoplasmosis in mice. Morita C, et al. Zentralbl Veterinaermed [B] 18:15-20, 1 Feb 71
The place of sulpiride (Dogmatil) in chemotherapy of autism] Collard J, et al.
Acta Psychiatr Belg 71:42-55, Jan 71 (Fre)
[Use of sulpiride in the treatment of gastroduodenal ulcer] Couinaud C, et al.
Ann Gastroenterol Hepatol (Paris) 7:85-7, Jan-Feb 71 (Fre)
[Indications for Sulpiride in alcoholism] Bastié Y.
Ann Med Psychol (Paris) 2:405-9, Oct 70 (Fre)
[Sulpiride and psychoses. Apropos of 112 cases] Sutter JM, et al.
Ann Med Psychol (Paris) 1:102-12, Jan 71 (Fre)
[Glidiazine in the treatment of diabetes in adult] Leng-Lévy J, et al.
Bord Med 3:2501-2 passim, Oct 70 (Fre)
[Value of Dogmatil in biliary dyskinesia] Négret JP.
Bord Med 4:265-8, Jan 71 (Fre)
[Combined epidemic of pruritus and syphilis. What therapeutic procedure should be followed?] Rollier MR.
Bull Soc Fr Dermatol Syphiligr 76:713-4, 1969 (Fre)
[Migraine and sulpirid] Rogé J, et al.
Cah Med 12:295-303, Mar 71 (Fre)
[Glycoregulation in gastrectomized patients: 1) influence of acidity of the solution on the results of induced hyperglycemia by oral route; 2) study of the induced hyperglycemia curve with glucagon; 3) therapeutic results of sulfonamides and insulin on functional symptomatology] Chimenes H, et al.
Diabete 18:40-8, Jan-Mar 70 (Fre)
[Apropos of a case of Gilles de la Tourette's disease blocked by sulpiride. Psycho-biological study] Yvonneau M, et al.
Encephale 59:439-59, Sep-Oct 70 (Fre)
[Trial of dogmatil in 40 schizophrenic patients refractory till now to all therapies] Vaneecloo M, et al.
Evol Psychiatr (Paris) 36:179-91, Jan-Mar 71 (Fre)
[Sulpiride and confinement] Assus A.
Gynecol Prat 21:403-10, 1970 (Fre)
[Action of dogmatil in vertigo states] Baron F, et al.
J Fr Otorhinolaryngol 19:757-8, Nov 70 (Fre)
[Clinical trial of sulpiride in vertige in 25 cases] Gignoux M, et al.
J Fr Otorhinolaryngol 18:823-8, Dec 69 (Fre)
[Clinical trial of a new neuroleptic: sulpiride] Nayrac P, et al. Lille Med Suppl 2:237+, Mar 69 (Fre)
[Indications for Dicynone 500 in functional disorders of venous insufficiency] Joseph JY.
Lyon Med 225:857-9, 11 Apr 71 (Fre)
[Study of sulpiride in rheumatologic practice] Robillard J, et al. Lyon Med 225:149-54, 24 Jan 71 (Fre)
[Progress in organic or functional gastroenterologic therapeutics] Geoffroy H, et al.
Maroc Med 50:249-58, Apr 70 (Fre)
[Use of telemid in antibacterial protection after surgery for implantation of endocavitary heart stimulators] Jausseran JM, et al.
Mars Med 108:403-6, 1971 (Fre)
[Value of the use of delayed-action sulfamides in chronic broncho-pulmonary infections (46 cases)] Kleisbauer JP, et al. Mars Med 107:835-7, 1970 (Fre)
[Cerebrospinal meningitis in Fes in 1966-1967. II. Fes epidemic. F. Prophylaxis] Faucon R, et al.
Med Trop (Mars) 30:599-623, Sep-Oct 70 (Fre)
[Comparative study of the activity of 6 antileprosy drugs] Languillon J.
Med Trop (Mars) 29:694-8, Nov-Dec 69 (Fre)
[Chemoprophylaxis of cholera: value, expectations, and limitations] Lapeyssonnie L.
Med Trop (Mars) 31:127-32, Jan-Feb 71 (Fre)
[The sulfametopyrazine-pyrimethamine combination in the treatment of 100 P. falciparum malarial attacks] Mazaud R, et al.
Med Trop (Mars) 30:759-66, Nov-Dec 70 (Fre)
[Treatment of urinary tract infections in gynecology with Sulfa-Dysural] Hartmann E.
Munch Med Wochenschr 111:2366-7, 7 Nov 69 (Fre)
[Treatment with sulpiride of digestive hemorrhage observed in neurosurgery (apropos of 50 cases)] Lecuire J, et al. Neurochirurgie 16:614-8, Dec 70 (Fre)
[Electroencephalic indications for clinical use of a new neuroleptic sulpiride (Dogmatil)] Semandeni GW.
Praxis 60:771-4, 8 Jun 71 (Fre)
[Treatment of malaria with pyrimethamine-sulformethoxine in association] Riche A. Presse Med 78:2022, 31 Oct 70 (Fre)
[Sulpiride trials in gastroenterology. Apropos of 45 epigastralgic syndromes] Kressmann P, et al.
Rev Lyon Med 18:475-82, Jul-Aug 69 (Fre)
[Sulpiride for peptic ulcer] Cornet A, et al.
Sem Hop Paris 45:840-61, 14 Mar 69 (Fre)
[Controlled trial of sulpiride in psychiatry] Sutter JM, et al. Sem Hop Paris 47:446-55, 8 Feb 71 (Fre)
[Value of Dogmatil in the treatment of asthma] Boucaud M de, et al.
Therapeutique 47:807-13, Jun-Jul 71 (Fre)
[Dogmatil and migraines] Leblanc J.
Therapeutique 47:413-4, Apr 71 (Fre)
[Dogmatil in digestive pathology] Vedel JP, et al.
Therapeutique 47:523-5, May 71 (Fre)
[Drug therapy in Behcet's disease] Kleinhans K.
Ber Dtsch Ophthalmol Ges 70:425-30, 1970 (Ger)
[Bordetella infections, a problem on rabbit farms] Mayer H.
Beri Munch Tieraerzti Wochenschr 84:273-4, 15 Jun 71 (Ger)
[Sulfonamide-resistant meningococci in the Federal Republic] Berger U.
Dtsch Med Wochenschr 96:578-81, 2 Apr 71 (Ger)
[Therapy of urinary tract infections in the child. Causative agent, antibiotics spectrum and results of therapy] Breunung M, et al.
Kinderaerztl Prax 39:128-39, Mar 71 (Ger)
[Therapy of diarrhea in calves] Markiewicz K.
Monatsh Vet Med 25:252-3, 1 Apr 70 (Ger)
[Clinical experience in the treatment of surgical and internal diseases with antibiotics of sulfonamides] Schleiter H. Monatsh Vet Med 25:792-6, 15 Oct 70 (Ger)
[Ciloprin cum anesthetico. Clinical and ambulatory therapy in inflammatory ear diseases] Cüppers H.
Praxis 59:1162-4, 11 Aug 70 (Ger)
[Treatment of chronic staphylococcal mastitis in the cow] Neumeister E.
Wien Tieraerztl Monatsschr 57:1-18, Jan 70 (Ger)
[Various aspects of chemotherapy in surgery in children] Popp W.
Z Aerztl Fortbild (Jena) 64:579-87, 15 Jun 70 (Ger)
[Experiences with sulfamethoxypyrazine in bacterial diseases] Beckschäfer W.
Z Allgemeinmed 46:1516-7, 31 Oct 70 (Ger)
[Harnosal- a new middle-time sulfonamide for treatment of urinary tract and kidney infections] Ehrlich R. Z Allgemeinmed 47:33-4, 10 Jan 71 (Ger)
[Prophylactic studies of sulfonamides in intestinal coccidiosis of the rabbit] Dürr U, et al.
Zentralbl Veterinaermed [B] 17:554-63, May 70 (Ger)
[Therapy of bacterial endocarditis] Caireila M, et al.
Clin Ter 55:465-75, 15 Dec 70 (Ita)
[Chemical-antibiotic treatment and Widal's reactions. Statistical research on typhoid fever] Gorini P, et al.
G Mal Infett Parassit 22:638-9, Sep 70 (Ita)
[On the use of sulphamethopyrazine in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

otorhinolaryngologic surgery] Marasciuolo S.
Minerva Otorinolaringol 20:56-8, Mar-Apr 70 (Ita)
[Trimethoprim-sulfonamide synergism in antibacterial chemotherapy] Barba C.
Recent Progr Med (Roma) 48:537-55, Jun 70 (Ita)
[Experimental and clinical evaluation of sulfiodizole in the field of otorhinolaryngology] Takasu K, et al.
Otolaryngology (Tokyo) 42:1063-9, Dec 70 (Jap)
[Results of pharmacological therapy in 500 patients with urinary calculi] Modliński L.
Pol Przegl Chir 43:991-1000, Jun 71 (Pol)
[Clinical assessment of Gludiase in treatment of diabetes] Ponikowska I.
Pol Tyg Lek 26:884-6, 3 May 71 (Pol)
[Importance of decalcification in the treatment of toxoplasmosis] Giza T, et al.
Przegl Lek 27:438-40, 28 Jun 71 (Pol)
[Preliminary evaluation of Sulpiride, a new psychotropic drug] Bilikiewicz A, et al.
Psychiatr Pol 5:55-60, Jan-Feb 71 (Pol)
[Experimental pyelonephritis, chemotherapeutic studies (review of the literature)] Rudzit EA, et al.
Farmakol Toksikol 34:246-50, 1971 (85 ref.) (Rus)
[Use of new Soviet sulfonamide drugs in surgical practice] Govorovich EA, et al.
Sov Med 33:40-4, Jul 70 (Rus)
[Use of activated streptocide in veterinary gynecology] Poliantsev NI, et al. Veterinariia 1:94-7, Jan 71 (Rus)
[Central role of the pancreas in the mechanism of action of hypoglycemic sulfonamides and their consequences in the therapy and prevention of diabetes] Loubatières A.
Rev Clin Esp 117:447-60, 15 Jun 70 (42 ref.) (Spa)
[The effects of sulphonamide prophylaxis on the frequency of bacteriuria after catheterization or cystoscopy] Timm J.
Nord Med 85:719-21, 10 Jun 71 (Swe)

TOXICITY

[Toxicological trials of a new insect repellent hexamethylene butansulfamide] Kazhdan VB, et al.
Med Parazitol (Mosk) 39:220-4, Mar-Apr 70 (Rus)

URINE

Disc-agar diffusion microbiological assay procedure for determining serum and urine levels of sulfacytine and other sulfonamides. Heifetz CL, et al.
Appl Microbiol 21:893-8, May 71
An automated method for the determination of dissolution rate and urinary concentration of sulphonamides. Goossens AP, et al.
J Pharm Pharmacol 23:725-7, Sep 71
Some aspects of drug persistence in domestic animals. Baggot JD. Res Vet Sci 11:130-7, Mar 70
[Resorption and elimination of N4-substituted sulfanilamides in rats] Funk KF, et al.
Pharmazie 25:554-6, Sep 70 (Ger)

SULFONES (D2, D3)

Mn 2+ , and Zn 2+ 1:1 complexes with biochemically significant thioether carboxylic acids and some of the sulfoxide and sulfone derivatives. Griesser R, et al.
Arch Biochem Biophys 144:628-35, Jun 71
The reaction of 4,4'-difluoro-3,3'-dinitro-diphenyl sulfone with gamma-globulin and horseradish peroxidase. Modesto RR, et al.
Biochim Biophys Acta 229:384-95, 16 Feb 71
Preparation and photochemistry of py rimidine nucleoside sulfonium ylides. Kunieda T, et al.
J Am Chem Soc 93:3487-93, 14 Jul 71
Reaction of human CO hemoglobin with p,p'-difluoro-m,m'-dinitrodiphenylsulfone. Macleod RM, et al. J Biol Chem 245:4875-9, 10 Oct 70
Antimalarial agents. 7. Compounds related to 4,4'-bis(aminophenyl) sulfone. Popoff IC, et al.
J Med Chem 14:550-1, Jun 71
Human erythrocyte membranes: specific labelling of surface proteins. Bretscher MS.
J Mol Biol 58:775-81, 28 Jun 71
A quantum chemical study with special reference to the sulfamyl group of sulfonylureas. Orita Y, et al.
Jap Circ J 34:775-8, Sep 70
Studies of nucleosides and nucleotides. XLI. Purine cyclonucleosides. 8. Selective sulfonylation of 8-bromoadenosine derivatives and an alternate synthesis of 8,2'-and 8,3'-S-cyclonucleosides. Ikehara M, et al. Tetrahedron 26:4251-9, Sep 70
[Synthesis of 2-methylthio-5-arylsulfonylpyrimidin-4-carboxylic acids. 2. Pyrimidines] Bennur SC, et al.
Arch Pharm (Weinheim) 303:971-4, Dec 70 (Ger)
[Reactions of L-alpha-tosylamido-beta-propiolactone. 3. Reactions with mercaptans] Taguchi Y, et al.
J Pharm Soc Jap 90:1581-3, Dec 70 (Jap)

ADMINISTRATION & DOSAGE

Bacterial negativity and reactivation (relapse) of lepromatous outpatients under sulfone treatment. Quagliato R, et al. Int J Lepr 38:250-63, Jul-Sep 70
Prevention of leprosy. Lancet 2:534-5, 4 Sep 71
Chemotherapeutic trial of combined capreomycin and diasone. Hathaway JC. Lepr Rev 41:181-3, Jul 70
[Experiences with the anti-rheumatic agent Exrheudon] Loff P.
Munch Med Wochenschr 113:1034-5, 9 Jul 71 (Ger)

ADVERSE EFFECTS

Drug reactions to sulfones. Militikan LE.
Arch Dermatol 103:343, Mar 71
[A case of transitory agranulocytosis due to thiamphenicol] Corcos A, et al.
Sem Hop Paris 47:1579-81, 20 May 71 (Fre)
[Contact eczema and macular exanthema in an allergy to p-chlorbenzenesulfonylglycolic acid nitrile] Richter G, et al.
Berufsdermatosen 18:70-6, Apr 70 (Ger)

ANALYSIS

[Spectrophotomectic determination of some diphenyl sulfonyl hydrazides. 2. Analysis of hydrazine derivatives] Teodorescu N, et al.
Arch Pharm (Weinheim) 304:16-9, Jan 71 (Ger)
[Analysis of isoindoline derivatives. 6. Qualitative and physical-chemical studies of isoindoline-arylsulfonylurea binding and isoindoline nitrourea] Horsch W, et al.
Pharmazie 26:152-5, Mar 71 (Ger)

BLOOD

Application of spectrophotofluorometric procedures to some problems in Mycobacterium leprae infections in mice and man treated with dapsone (DDS), diacetyl-DDS (DADDS), and di-formyl-DDS (DFD). Ozawa T, et al. Am J Trop Med Hyg 20:274-81, Mar 71

CHEMICAL SYNTHESIS

Synthesis and cyclization of S-(2-propynyl)-L-cysteine S-oxide and S-dioxide. Carson JF, et al.
J Org Chem 36:611-3, 26 Feb 71
[Synthesis of N 1-(diphenylsulfonyl-carboxy)-N 2-acyl-hydrazine] Demetrescu C, et al.
Arch Pharm (Weinheim) 303:956-9, Dec 70 (Ger)
[Synthesis of substituted phenylcinnolyl-sulfides and sulfones. 2. Cinnolines] Yarnal SM, et al.
Arch Pharm (Weinheim) 303:560-2, Jul 70 (Ger)

METABOLISM

Utilization of sulfite liquors and stillage by an isolate of Cryptococcus diffluens. Barta J.
Antonie van Leeuwenhoek 35:Suppl:J7-8, Jun 69
[Changes caused by renal failure in thiophenicol plasmatic levels] Moskovchenko J, et al.
Lyon Med 225:1103-8, 13 Jun 71 (Fre)

PHARMACODYNAMICS

Pharmacological studies of a new anti-inflammatory drug, 1-phenylsulfonyl-5,5-diphenylhydantoin (PC-796) in experimental animals. 3. Absorption, tissue distribution and metabolic fate. Nakamura H, et al. Arzneim Forsch 20:1729-32, Nov 70
Pharmacological studies of a new anti-inflammatory drug, 1-phenylsulfonyl-5,5-diphenylhydantoin (PC-796) in experimental animals. II. Toxicological and general pharmacological properties. Nakamura H, et al. Arzneim Forsch 20:1579-86, Oct 70
The in vitro activity of tinidazole and other amoebicidal drugs on locally isolated strains of Entamoeba histolytica. Prakash O, et al.
Indian J Med Res 58:845-53, Jul 70
Irreversible enzyme inhibitors. CLXXV. Irreversible inhibition of purified dihydrofolic reductase. Baker BR, et al. J Med Chem 13:1143-8, Nov 70
Synthetic biologically active polymers. 7. Antibacterial activity of some sulfonamide-formaldehyde copolymers. Donaruma LG, et al.
J Med Chem 14:244, Mar 71
[Kinetics of the antibacterial activity of chloramphenicol and thiamphenicol in vitro and in vivo] Yourassowsky E, et al.
Arzneim Forsch 20:1106-9, Aug 70 (Fre)
[Study of the antitumoral activity in vivo of new O-aminoalkylated synthetic carbamic derivatives of diphenylsulfone and of diphenylmethane] Demetresco C, et al.
C R Soc Biol (Paris) 164:944-51, 1970 (Fre)
[Comparison of the beta-cytotrophic effect of a new sulfonylurea derivative, glibornuride, and tolbutamide] Bottermann P, et al.
Klin Wochenschr 49:769-70, 1 Jul 71 (Ger)

THERAPEUTIC USE

Treatment with 4,4'-diacetyldiaminodiphenylsulfone (DADDS) of leprosy patients in the Karimui, New Guinea. Russell DA, et al.
Am J Trop Med Hyg 20:495-501, May 71
The condition of the peripheral nerve in leprosy under various forms of treatment. Conduction velocity studies in long-term follow-up. Magora A, et al.
Int J Lepr 38:149-63, Apr-Jun 70
Clinical stages in sulfone treatment of leprosy. Rodriguez JN. Int J Lepr 38:199-203, Apr-Jun 70
Action of 4,4'-diformamidodiphenylsulfone (DFD) and related compounds on Plasmodium berghei. Vogh BP, et al. J Pharmacol Exp Ther 177:301-8, Apr 71
Activity of thiozamin (p-(p'-aminobenzenesulfonyl)-benzaldehyde thiosemicarbazone) against Mycobacterium leprae infections in mice. Matsuo Y.
Jap J Microbiol 15:93-4, Jan 71
Repository acedapsone in leprosy chemoprophylaxis and treatment. Sloan NR, et al. Lancet 2:525-6, 4 Sep 71
[Kelfizina in gynecology] Gellé P, et al.
Lille Med 671-6, Jun-Jul 69 (Fre)
[The development of sulfonylurea late resistance] Angeli I. Med Klin 65:306-9, 13 Feb 70 (Ger)
[Clinical experience concerning the action of a new oral antidiabetic drug: glidiazinamide] Greco AV, et al.
Minerva Med 62:2829-39, 21 Jul 71 (Ita)
[Clinical studies of the relations between thiamphenicol and blood crasis in pediatrics] Bellomo G, et al. Minerva Pediatr 23:421-36, 10 Mar 71 (Ita)
[Clinical use of Floretione in aged subjects] Alloro L, et al. Riv Sper Freniatr 94:716-25, 30 Jun 70 (Ita)
[Clinical effect of thiophenicol (Neo-Myson) on urinary tract infections] Namiki S. Iryo 24:731-3, Sep 70 (Jap)
[Use of Flogotisol in gynecology] Wainstock J.
Hospital (Rio de J) 76:1051-9, Sep 69 (Por)

SULFONIC ACIDS (D1, D2)

Identification of 1-dimethylamino-naphthalene-5-sulfonyl amino acids by thin layer electrophoresis. Sajgó M.
Acta Biochim Biophys Acad Sci Hung 5:231-3, 1970
The alkylation of DNA in vitro by isopropyl methanesulfonate. Walles S.
Acta Chem Scand 24:2012-8, 1970
Polyacrylamide gel electrophoresis of polypeptides from the intestinal wall, with countermigration of dye. Ahlroth A, et al. Anal Biochem 37:125-8, Sep 70
1-Dimethylaminonaphthalene-5-sulfonyl hydrazine (dansyl hydrazine): a fluorometric reagent for carbonyl compounds. Chayes R, et al.
Anal Biochem 42:283-6, Jul 71
Quantitative ultramicroanalysis of amino acids in the form of their DNS-derivatives. II. On the use of the dansylation reaction for quantitative estimation of amino acids. Spivak VA, et al.
Anal Biochem 39:271-81, Feb 71
The G-actin is greater than F-actin transformation as studied by the fluorescence of bound dansyl cystine. Cheung HC, et al.
Arch Biochem Biophys 142:333-9, Jan 71
Limited reation of lysozyme with a fluorescent labeling agent. Chen RF.
Biochem Biophys Res Commun 40:1117-24, 10 Sep 70
Modifications of cell behavior and enzyme induction by zwitterionic buffers. Morris JE.
Biochem Biophys Res Commun 43:1436-42, 18 Jun 71
Dodecyl sulfate-polyacrylamide gel electrophoresis of N'-dimethylaminonaphthalene-5-sulfonyl-proteins: a covalently attached fluorescent label. Shelton KR.
Biochem Biophys Res Commun 43:367-71, 16 Apr 71
A rapid method for the purification of bovine thrombin and the inhibition of the purified enzyme wtih phenylmethylsulfonyl fluoride. Lundblad RL.
Biochemistry 10:2501-6, 22 Jun 71
Study of the dansylation of bovine fibrinogen. Some general properties of the conjugates and identification of the binding sites for the dansyl groups. Mihalyi E, et al.
Biochemistry 10:237-42, 19 Jan 71
Fluorescent properties of dansylated bovine fibrinogen and correlation of the heterogeneity of binding sites with heterogeneity and variability of fluorescent properties. Mihalyi E, et al.
Biochemistry 10:243-9, 19 Jan 71
Correlations between structure and spectroscopic properties in membrane model systems. Tryptophan and 1-anilino-8-naphthalene sulfonate fluorescence in protein-lipid-water phases. Gulik-Krzywicki T, et al.
Biochim Biophys Acta 219:1-10, 1970
A diaminostilbene dye as a hydrophobic probe for proteins. Kotaki A, et al.
Biochim Biophys Acta 229:547-56, 23 Mar 71
Effect of labelling with dansyl group on the renaturation of lysozyme. Okabe N, et al.
Biochim Biophys Acta 229:484-95, 16 Feb 71
Prosthetic groups as protectors of an enzyme against the action of ultraviolet light. Rosén CG, et al.
Biochim Biophys Acta 236:1-7, 27 Apr 71
Some enzymatic properties of trypsin after reaction with 1-dimethylaminonaphthalene-5-sulfonyl chloride. Franklin JG, et al.
Can J Biochem 49:516-21, May 71
Substitution of 4-(2-hydroxyethyl)-1-piperazineethane sulfonic acid (HEPES) for bicarbonate in protein-free animal cell culture medium: application to vaccinia virus quantitation and fluorogenic acetylesterase assay in living LM cells. Medzon EL, et al.
Can J Microbiol 17:651-3, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Binding of Ponceau 3R to bovine serum albumin. Terada H, et al. Chem Pharm Bull (Tokyo) 19:335-62, Feb 71
Use of a new reducing agent, metamizol, in determining inorganic phosphorus in blood and urine. Guirgis FK, et al. Clin Chem 17:78-81, Feb 71
Terosite sulfonate: a sensitive reagent for the determination of serum iron. Zak B, et al. Clin Chim Acta 29:77-82, Jul 70
Antibody-ligand interactions studied by fluorescence enhancement methods. II. Binding properties of anti-azonaphthalenesulfonate antibodies. Nakamura H, et al. Immunochemistry 7:637-49, Jul 70
Antibody-ligand interactions studied by fluorescence enhancement methods. I. Properties of the ligands 4-anilinonaphthalene-1-sulfonate and 6-anilinonaphthalene-2-sulfonate. Yoo TJ, et al. Immunochemistry 7:627-36, Jul 70
Fluorescent enhancement in antibody-hapten interaction 1-anilinonaphthalene-8-sulfonate as a fluorescent molecular probe for anti-azonaphthalene sulfonate antibody. Yoo TJ, et al. Immunochemistry 5:143-53, Mar 68
A label for the red cell membrane: diazotized diiodosulfanilic acid. Helmkamp RW, et al. Int J Appl Radiat Isot 21:683-5, Nov 70
Nanosecond time-resolved fluorescence spectra of a protein-dye complex. Brand L, et al. J Biol Chem 246:2317-9, 10 Apr 71
Hydrolysis of proteins with p-toluenesulfonic acid. Determination of tryptophan. Liu TY, et al. J Biol Chem 246:2842-8, 10 May 71
Mechanisms of sulfur transfer catalysis. Sulfhydryl-catalyzed transfer of thiosulfonate sulfur. Westley J, et al. J Biol Chem 246:1468-74, 10 Mar 71
Study of modification of the phenoldisulfonic acid method for the determination of nitrate nitrogen. Sung FC. J Formosan Med Assoc 69:393-8, 28 Aug 70
In vitro induction of sulfanilic acid-specific antibodies by RNA extracted from rat spleen. Juras D, et al. J Immunol 105:1244-52, Nov 70
An improved spray reagent for detection of bile acids on thin-layer chromatoplates. Kellogg TF. J Lipid Res 11:498-9, Sep 70
Germicide for sterilising the surface of eggs in gnotobiology. Anderson JC. J Med Microbiol 2:379-81, Aug 69
Carcinogenicity of industrial chemicals propylene imine and propane sultone. Ulland B, et al. Nature (Lond) 230:460-1, 16 Apr 71
Studies on the enzymatic and chemical inactivation of hypothalamic follicle-stimulating hormone-releasing hormone. Schally AV, et al. Neuroendocrinology 8:70-80, 1971
Properties of squid axon membrane as revealed by a hydrophobic probe, 2-p-toluidinylnaphthalene-6-sulfonate. Tasaki I, et al. Proc Natl Acad Sci USA 68:938-41, May 71
Interference of HEPES with the Lowry method. Turner LV, et al. Science 170:649, 6 Nov 70
[Elements of functional organic fluorimetry. 3. Fluorimetry of primary and secondary alcoylamines using 1,2-naphthoquinone-4-sulfonic acid] Pesez M, et al. Ann Pharm Fr 27:161-2, Feb 69 (Fre)
[Reaction of malic acid with chromotropic acid. 2] Auterhoff H, et al. Arch Pharm (Weinheim) 304:507-13, Jul 71 (Ger)
[Cancerogenic alkylating substances. 3. Alkyl-halogenides, -sulfates, -sulfonates and strained heterocyclic compounds] Druckrey H, et al. Z Krebsforsch 74:241-73, 1970 (Ger)
[Sodium polyanethol-sulfonate as a diagnostic means for differentiation of mycoplasmas] Kunze M. Zentralbl Bakteriol [Orig] 216:501-5, 1971 (Ger)
[Studies on tertiary amine oxides. XLII. Reactions of aromatic N-oxides of pyridine series with potassium cyanide in the presence of p-toluenesulfonyl chloride] Hamana M, et al. J Pharm Soc Jap 91:269-73, Feb 71 (Jap)
[Arylsulfonylation of 5,5-disubstituted 2-thiohydantoins] Kobayashi A, et al. J Pharm Soc Jap 90:1372-6, Nov 70 (Jap)
[The relationship between the degree of reactivation of inhibited cholinesterase and the structure of phospho-organic inhibitors] Agabekova II, et al. Biokhimiia 35:53-7, 1970 (Rus)
[Autoactivation of prothrombin during blockage of endogenous thrombin by diisopropylfluorophosphate and N-tosyllysylchloromethylketone] Baskova IP, et al. Biokhimiia 35:763-7, Jul-Aug 70 (Rus)
[The effect of trinitrophenylation of myosin on the oxygen isotope exchange reaction in a myosin--ATP--H20-18 system] Kuleva NV, et al. Biokhimiia 35:42-7, 1970 (Rus)
[Use of a stable tetrazonium salt for sensitizing erythrocytes with proteins in local passive hemolysis tests] Olovnikov AM, et al. Biull Eksp Biol Med 70:106-8, Dec 70 (Rus)
[Sulfosalicylic acid test and its clinical significance] Kosiakov KS. Lab Delo 10:586-7, 1970 (Rus)
[Strengthening antitumor immunity by chemically heterogenized antigens] Korosteleva TA, et al. Vopr Onkol 16:62-7, 1970 (Rus)

ADMINISTRATION & DOSAGE

[A comparative study of blood sugar, insulinemia and sulfamidemia after oral administration of 1 g of glymidine (glycodiazine)] Jaquet P, et al. Diabete 19:33-6, Jan-Mar 71 (Fre)
[Use of Avafortan in urology] Wemeau L, et al. Rev Fr Odontostomatol 46:997-1002, Dec 70 (Fre)
[Value of Avafortan dragées and suppositories in current gynecologic and medical practice] Szwarcberg R, et al. Therapeutique 47:265-7, Mar 71 (Fre)
[Use of Avafortan in urology] Wemeau L, et al. Therapeutique 46:997-1002, Dec 70 (Fre)
[Histological studies on the pancreatic islets of Langerhans of rabbits after long-term glycodiazine administration] Matsuno Z. Folia Endocrinol Jap 47:165-73, 20 Jun 71 (Jap)

ADVERSE EFFECTS

[The development of hyaline thrombi in the kidney of rabbits after treatment with liquoid] Viták V. Virchows Arch [Zellpathol] 7:219-28, 1971 (Ger)
[Carcinogenic alkylating substances. IV. 1,3-propane sultone and 1,4-butane sultone] Druckrey H, et al. Z Krebsforsch 75:69-84, 20 Nov 70 (Ger)
[Iatrogenic agranulocytosis and massive pulmonary embolism] Fongi EG Jr, et al. Prensa Med Argent 57:1953-6, 25 Dec 70 (Spa)

ANALYSIS

A colorimetric method for the analysis of sulphonates. Lojodice D, et al. Farmaco [Prat] 25:763-71, Dec 70
Thin-layer and gas-liquid chromatography of derivatives of isomeric chlorophenols. Chlorophenyl fluorosulfonyl-benzenesulfonates and related compounds. Fishbein L, et al. J Chromatogr 51:219-26, 16 Sep 70
Determination of steroids by densitometry of derivatives. II. Direct fluorometry of DANSYL estrogens. Penzes LP, et al. J Chromatogr 51:325-7, 16 Sep 70
Hypoglycin A in biological material: its detection and assay. Abrahams DE, et al. West Indian Med J 18:147-51, Sep 69
[Spectrophotometric determination of analgene by means of iron(3) chloride and alpha, alpha'-dipyridyl] Vassileva-Alexandrova P. Mikrochim Acta 5:1039-44, 1970 (Fre)
[Analysis of isoindoline derivatives. 7. Determination of isoindolin-arylsulphonylurea derivatives] Petzold J, et al. Pharmazie 26:207-11, Apr 71 (Ger)
[The detection of calciumlignosulfonate in blood and press-fluids of organs from drowned rats as evidence of death from drowning] Lehmann K, et al. Z Rechtsmed 68:11-6, 1971 (Ger)
[Photometric determination of dodecylbenzenesulfonate sodium and alkylsulfates in the air] Markina NA. Gig Sanit 35:61-2, Mar 70 (Rus)

BIOSYNTHESIS

Cysteine-S-sulfonate formation from cystine by molds. Matsunaga I. Jap J Microbiol 14:508-11, Nov 70

BLOOD

[Blood purification and urinary elimination of dicynone-C14 in the rabbit] Chanal JL, et al. Ann Pharm Fr 27:353-7, May 69 (Fre)

CHEMICAL SYNTHESIS

Studies on epoxide formation from (2S,3S)-threitol 1,4-bismethanesulfonate. The preparation and biological activity of (2S,3S)-1,2-epoxy-3,4-butanediol 4-methanesulfonate. Feit PW, et al. J Med Chem 13:1173-5, Nov 70

DIAGNOSTIC USE

[Our experience with the use of biloptin and bilivistan in the study of the biliary tract] Bini F, et al. Ann Radiol Diagn (Bologna) 43:56-69, 1970 (Ita)

ISOLATION & PURIFICATION

Unidimensional chromatographic separation of dansyl catecholamines. Diliberto EJ Jr, et al. Anal Biochem 33:281-5, Nov 69
Two-dimensional paper separation of dansyl amino acids. Moore GL, et al. Anal Biochem 39:260-3, Jan 71

METABOLISM

Congruence of renal and hepatic excretory functions: sulfonic acid dyes. Despopoulos A. Am J Physiol 220:1755-8, Jun 71
Exchange of free and albumin-bound Evans blue in interstitium of hamster kidney. Wilde WS, et al. Am J Physiol 220:1991-9, Jun 71
Bacterial metabolism of arylsulfonates. I. Benzene sulfonate as growth substrate for Pseudomonas testosteroni H-8. Ripin MJ, et al. Appl Microbiol 21:495-9, Mar 71
Use of 1-anilino-8-naphtalene sulfonate to study structural transitions in cell membrane of PMN leucocytes. Romeo D, et al. Biochem Biophys Res Commun 41:582-8, 9 Nov 70
Microbial metabolism of alkylbenzenesulphonates. Willetts AJ, et al. Biochem J 120:28P, Dec 70
Studies with alkylating esters. 3. The metabolism and fate of methylene dimethanesulphonate. Edwards K, et al. Biochem Pharmacol 19:1791-5, May 70
Studies with alkylating esters. II. A chemical interpretation through metabolic studies of the antifertility effects of ethylene dimethanesulphonate and ethylene dibromide. Edwards K, et al. Biochem Pharmacol 19:1783-9, May 70
Anilinonaphthalenesulfonate fluorescence changes induced by non-emzymatic generation of membrane potential in mitochondria and submitochondrial particles. Jasaitis AA, et al. Biochim Biophys Acta 234:177-81, 6 Apr 71
Simultaneous estimation of renal function in dogs, using sodium sulfanilate and sodium iodohippurate-131-I. Carlson GP, et al. J Am Vet Med Assoc 158:1229-34, 1 Apr 71
Sulfanilate clearance in clinical renal disease in the dog. Carlson GP, et al. J Am Vet Med Assoc 158:1235-9, 1 Apr 71
Substrate-induced conformational changes of liver fructose 1,6-diphosphatase studied with the hydrophobic probe, 1-anilinonaphthalene-8-sulfonate. Aoe H, et al. J Biol Chem 245:6383-8, 10 Dec 70
Chemical modification of membranes. II. Permeation paths for sulphydryl agents. Knauf PA, et al. J Gen Physiol 58:211-23, Aug 71
Studies on the tissue distribution of 125-I-iodopropamide in the dog. Boyd CM, et al. J Nucl Med 12:117-8, Mar 71
Fate and metabolism of some mutagenic alkylating agents in the mouse. I. Ethyl methanesulfonate and methyl methanesulfonate at sublethal dose in hybrid males. Cumming RB, et al. Mutat Res 10:365-77, Oct 70

PHARMACODYNAMICS

Induction of antibody synthesis against sulphanilic acid in rabbits. Helper function of new antigenic determinants introduced in autologous protein. Rubin B, et al. Acta Pathol Microbiol Scand [B] 79:126-8, 1971
Differential effects of--SH reagents on transport and electrical properties of gastric mucosa. Solberg LA Jr, et al. Am J Physiol 220:1404-12, May 71
Growth responses of Escherichia coli to the surfactant dodecyl benzene sulfonate. Pollack VA, et al. Appl Microbiol 20:727-33, Nov 70
Effects of alkylbenzene sulfonates on yeasts. Standard PG, et al. Appl Microbiol 20:646-8, Oct 70
Anticomplementary, anticoagulatory, and serum-protein precipitating activity of sodium polyanetholsulfonate. Traub WH, et al. Appl Microbiol 20:465-8, Sep 70
A study of bobbed mutants induced by ethyl-methane-sulfonate in Drosophila melanogaster. Marrakechi M, et al. Biochem Biophys Res Commun 43:273-7, 16 Apr 71
Fate of transforming DNA in Bacillus subtilis strain sensitive to methyl methanesulfonate. Zadrazil S, et al. Biochem Biophys Res Commun 42:676-83, 19 Feb 71
The lethal action of ehtyl methanesulfonate, nitrogen mustard and myleran on the T7 coliphage. Brakier L, et al. Biochim Biophys Acta 213:296-311, 8 Aug 70
The reactivation of rennin inhibited by dansyl chloride. Rickert W. Biochim Biophys Acta 230:628-9, 16 Dec 70
Photo-sensitivity of oxidised cholesterol Black Lipid Membrane incorporated with acid and basic dyes. Verma SP. Biophysik 7:228-35, 1971
Effects of sulphydryl inhibitors on frog sartorius muscle: p-chloromercuribenzenesulphonic acid. Kirsten EB, et al. Br J Pharmacol 40:814-26, Dec 70
The reaction of 2,4,6-trinitrobenzene sulfonic acid with pancreatic elastase. Rao L, et al. Can J Biochem 48:1249-59, Nov 70
Inactivation and the induction of lethal sectoring by chemical mutagens in yeast. Nasim A, et al. Can J Genet Cytol 12:16-4, Mar 70
Ethyl methanesulfonate-induced chlorophyll mutations in Triticum aestivum. Washington WJ, et al. Can J Genet Cytol 12:851-9, Dec 70
Glucagon and the permissive action of fatty acids in hepatic gluconeogenesis. Fröhlich J, et al. Eur J Biochem 19:557-62, 30 Apr 71
Detection of early changes in cockroach hemocytes during coagulation with 8-anilino-1-naphthalene sulfonic acid. Belden DA Jr, et al. Experientia 27:448-9, 15 Apr 71
The failure of caffeine to induce mutagenic effects or to synergize the effects of known mutagens in mice. Epstein SS, et al. Food Cosmet Toxicol 8:381-401, Aug 70
Analysis of chromosome 4 in Drosophila melanogaster. II. Ethyl methanesulfonate induced lethals. Hochman B. Genetics 67:235-52, Feb 71
Viability mutations induced by ethyl methanesulfonate

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in Drosophila melanogaster. Mukai T.
Genetics 65:335-48, Jun 70
Chemical modification of membranes. I. Effects of sulfhydryl and amino reactive reagents on anion and cation permeability of the human red blood cell. Knauf PA, et al. J Gen Physiol 58:190-210, Aug 71
A comparison of the beta-adrenoceptor stimulant properties of salbutamol, orciprenaline and soterenol with those of isoprenaline. Farmer JB, et al.
J Pharm Pharmacol 22:945-7, Dec 70
Mechanism of MJ 1999-induced blockade of neuromuscular transmission. Patel VK, et al.
J Pharm Pharmacol 23:209-13, Mar 71
N-substituted aminoethanethiols and N-substituted aminoethanethiol S-sulfonic acids as radioprotective agents. Carroll FI, et al. J Pharm Sci 59:1350-2, Sep 70
Some properties of an SH group essential for choline transport in human erythrocytes. Martin K.
J Physiol (Lond) 213:647-64, Mar 71
Comparative effects of methylene, ethylene and propylene dimethanesulphonates on the male rat reproductive system. Cooper ER, et al.
J Reprod Fertil 23:103-8, Oct 70
Common steps in the repair of alkylation and radiation damage in yeast. Brendel M, et al.
Mol Gen Genet 106:289-95, 1970
A host-mediated assay for cytogenetic mutagenesis: preliminary data on the effect of methyl methanesulfonate. Brewen JG, et al.
Mutat Res 10:645-9, Dec 70
Repair of alkylation-induced damage in Escherichia coli and its bacteriophage lambda. Ronen A, et al.
Mutat Res 11:175-9, Feb 71
The genetic effects of mitomycin C in Drosophila melanogaster. II. Induced meiotic recombination. Schewe MJ, et al. Mutat Res 12:369-79, Jul 71
Effect of methyl metanesulphonate on synchronized cultures of HEp-2 cells. Myers TL, et al.
Nature [New Biol] 230:143-4, 31 Mar 71
Experimental studies on the chemosterilization of Schistosoma mansoni. Davies P, et al.
Parasitology 61:167-76, Oct 70
The venotropic action of some anti-inflammatory compounds. Observations in the isolated murine portal vein. Helfer H, et al. Pharmacology 5:23-35, 1971
Tebe effect of certain mono-functional methanesulphonoxy-alkanes on haemopoietic colony forming units in the rat. Dunn CD, et al.
Rev Eur Etud Clin Biol 15:771-4, Aug-Sep 70
Latent meiotic anomalies related to an ancestral exposure to a mutagenic agent. Lavappa KS, et al.
Science 172:171-4, 9 Apr 71
Two-year feeding and reproduction study in rats with linear alkylbenzene sulfonate (LAS). Buehler EV, et al. Toxicol Appl Pharmacol 18:83-91, Jan 71
[Influence of liquoid on electrophoretic mobility and some thrombocytic properties. Correlation with the action on mesenteric circulation in the rat] Larcan A, et al. Agressologie 12:49-58, 1971 (Fre)
[Influence of liquid on the electrokinetic properties of platelets] Larcan A, et al.
C R Soc Biol (Paris) 164:1306-9, 1970 (Fre)
[Studies on the influence of various saluretics on the sodium metabolism of erythrocytes in vitro] Wessels F, et al. Arzneim Forsch 20:1922-5, Dec 70 (Ger)
[Comparative studies on the effect of sodium glymidine, glucagon and isopropylnoradrenaline on insulin secretion in rats] Losert W, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:397-8, 1970 (Ger)
[Further aspects of the cardiovascular clinical pharmacology of sulfurated taurine amino acid] Brunetti S, et al.
Boll Soc Ital Cardiol 15:283-6, 1970 (Ita)
[Leukopenia-inducing action of carcinostatic methansulfonic acid esters of aminoglycols, No. 838 and No. 864] Sakurai Y, et al.
J Pharm Soc Jap 90:1556-62, Dec 70 (Jap)
[Effects of colistin salts and methanesulfonate derivatives on the circulatory system] Yamada S, et al. Jap J Antibiot 24:130-40, Jun 71 (Jap)
[Study of the analgesic, antispasmodic and tranquilizing action of Magnopyrol during labor] Monteleone PP.
Hospital (Rio de J) 78:813-21, Sep 70 (Por)

RADIATION EFFECTS

Photolysis of dansyl amino acids and dansyl peptides. D'Souza L, et al.
Arch Biochem Biophys 141:690-3, Dec 70

THERAPEUTIC USE

A third class of anti-arrhythmic action. Effects on atrial and ventricular intracellular potentials, and other pharmacological actions on cardiac muscle, of MJ 1999 and AH 3474. Singh BN, et al.
Br J Pharmacol 39:675-87, Aug 70
A double-blind trial in hypertension comparing Baycaron (FBA 1500), hydrochlorothiazide and placebo. Dean G, et al. S Afr Med J 45:323, 20 Mar 71
[Our experience with Dicynone in middle ear surgery] Floder M. Cesk Otolaryngol 19:226-7, Sep 70 (Cze)
[Action of synthetic derivatives of Congo red. Angiographic study] Zenatti C.
Ann Ocul (Paris) 204:257-70, Mar 71 (Fre)
[Use of avafortan in the treatment of the gripes of postopartum (100 cases)] Szwarcberg R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:258-60, Apr-May 70 (Fre)
[The action of calcium dobesilate in diabetic retinopathy] Sevin R, et al.
Bull Mem Soc Fr Ophtalmol 82:170-80, 1969 (Fre)
[Trial treatment of genital hemorrhages with Dicynone] Gaudefroy M, et al.
J Sci Med Lille 86:629-39, Oct 68 (Fre)
[Avafortan suppositories post-partum cramps] Gelle P, et al. Lille Med Suppl 6:1345+, Nov 70 (Fre)
[Clinical therapeutic results with the antihypertensive agent sali-presinol] Mawad J.
Med Monatsschr 25:378-9, Aug 71 (Ger)
[Comparative studies on prevention of thromboembolism using panthesin-hydergin] Schwalbe E, et al.
Med Monatsschr 25:185-8, Apr 71 (Ger)
[Histopathologic studies on influencing carbon tetrachloride-induced fatty liver with a sulfonated polyanion (SP 54) in rats] Papadimitriou D, et al.
Med Welt 3:100-3, 16 Jan 71 (Ger)
[Postraumatic secondary crisis in the way of Reilly's irritation syndrome and its clinical problems] Bösmüller H.
Wien Med Wochenschr 120:224-9, 28 Mar 70 (Ger)
[Experimental studies on the resorption stimulation by externa] Tronnier H.
Z Haut Geschlechtskr 46:55-7, 1 Feb 71 (Ger)
[Phenyldimethylpyrazolone-methylaminomethansulfonate as a post-operative non-stupefacient analgesic] Novelli GP.
Minerva Anestesiol 37:320-6, Aug-Sep 71 (Ita)
[Cyclonamine ethamsilate in the treatment of atherosclerotic vascular diseases in the senile age, with special reference to the blood lipid level] Volterrani U, et al.
Minerva Med 61:5185-94, 14 Nov 70 (Ita)
[A new capillary protector]
Rass Int Clin Ter 49:1393-4, 15 Nov 69 (Ita)
[On some aspects of the treatment of delirium tremens] Zanetti R, et al.
Riv Sper Freniatr 94:484-90, 30 Apr 70 (Ita)
[Clinical findings on the use of mefruside] Morinigo F, et al. Hospital (Rio de J) 77:1965-70, Jun 70 (Por)
[Use of vitamin B complex combined with methyimelubrine in the treatment of spinal arthroses] Carneiro W.
Rev Bras Med 27:526-31, Oct 70 (Por)
[The antifungal properties and chemotherapeutic activity of the iso-butyl ester of propane thiosulfonic acid] Skorobogat'ko TI.
Mikrobiol Zh 31:674-8, Nov-Dec 69 (Ukr)

TOXICITY

Short-term toxicity of orange G in rats. Gaunt IF, et al.
Food Cosmet Toxicol 9:329-42, Jun 71

URINE

[Blood purification and urinary elimination of dicynone-C14 in the rabbit] Chanal JL, et al.
Ann Pharm Fr 27:353-7, May 69 (Fre)

SULFONYLDIANILINE see DAPSONE (D3)

SULFONYLUREAS, ANTIDIABETIC see under ANTIDIABETICS (D8)

SULFOXIDES (D2)

Mn 2+ , and Zn 2+ 1:1 complexes with biochemically significant thioether carboxylic acids and some of the sulfoxide and sulfone derivatives. Griesser R, et al.
Arch Biochem Biophys 144:628-35, Jun 71
Enzymatic deamination of adenosine sulfur compounds. Schlenk F, et al.
Arch Biochem Biophys 142:144-9, Jan 71
Effect of phenothiazines and their sulfoxides on lipoamide dehydrogenase. Millard SA.
Biochim Biophys Acta 216:439-40, 1 Sep 70
Control of sulfur oxide emissions from primary copper, lead and zinc smelters--a critical review. Semrau KT.
J Air Pollut Control Assoc 21:185-94, Apr 71 (140 ref.)

ADVERSE EFFECTS

Effects of sulfur oxides and particulates on health. Higgins IT.
Arch Environ Health 22:584-90, May 71 (59 ref.)

BIOSYNTHESIS

Microsomal oxidation of alpha-thiocarboxylic acids to sulfoxides. Lee YC, et al.
Biochem Pharmacol 19:2825-32, Nov 70

CHEMICAL SYNTHESIS

Sulfoxide formation from methionine or its sulfide analogs during aerobic oxidation of sulfite. Yang SF.
Biochemistry 9:5008-14, 8 Dec 70
Synthesis and cyclization of S-(2-propynyl)-L-cysteine S-oxide and S-dioxide. Carson JF, et al.
J Org Chem 36:611-3, 26 Feb 71
[Synthesis of plurifunctional sulfoxides] Gautier JA, et al. Ann Pharm Fr 27:303-8, Apr 69 (Fre)

ISOLATION & PURIFICATION

Thiopropanal S-oxide: a lachrymatory factor in onions. Brodnitz MH, et al.
J Agric Food Chem 19:269-72, Mar-Apr 71

METABOLISM

[Pharmacokinetics of antitubercular agents] Grunert M, et al.
Z Erkr Atmungsorgane 133:449-50, Dec 70 (Ger)

PHARMACODYNAMICS

[Associated chemical and microbiological studies on the antitubercular properties of ethionamide sulfoxide] Grunert M, et al.
Z Erkr Atmungsorgane 133:406-8, Dec 70 (Ger)

THERAPEUTIC USE

[Effect of aliphatic sulfoxides as well as that of dicyclohexylsulfoxide on the formaldehyde and dextran induced edema of the rat paw] Herzmann E, et al. Pharmazie 26:96-100, Feb 71 (Ger)

SULFUR (D1)

Crystal structure of thiocytosine. Furberg S, et al.
Acta Crystallogr [B] (Kbh) 26:1260-8, 15 Sep 70
The primary structure of Chromatium high-potential iron-sulfur protein. Dus K, et al.
Biochem Biophys Res Commun 43:1239-45, 18 Jun 71
The synthesis of 5' thioanalogs of polydeoxyribonucleotides. Nagyvary J, et al.
Biochem Biophys Res Commun 39:878-82, 5 Jun 70
The oxidation-reduction potentials of the iron-sulfur proteins in mitochondria. Wilson DF, et al.
Biochem Biophys Res Commun 41:1273-8, 9 Dec 70
The magnetic susceptibility of the oxidized and reduced iron-sulfur proteins adrenodoxin and putidaredoxin. Moleski C, et al.
Biochim Biophys Acta 214:548-50, 29 Sep 70
Desulfurization of sulfur amino acids and proteins with Raney nickel. Peristein MT, et al.
Biochim Biophys Acta 236:174-82, 27 Apr 71
Near-infrared circular dichroism of an iron-sulfur protein. D leads to d transitions in rubredoxin. Eaton WA, et al. J Am Chem Soc 92:7195-8, 2 Dec 70
Sulfur amino acid requirement of the lactating sow. Ganguli MC, et al. J Anim Sci 33:394-400, Aug 71
Sulfur amino acid requirement of the pregnant gilt. Holden PJ, et al. J Anim Sci 32:900-4, May 71
Influence of sulfur on in vitro starch digestion by rumen microorganisms. Kennedy LG, et al.
J Anim Sci 32:359-63, Feb 71
Microbial life at 90 C: the sulfur bacteria of Boulder Spring. Brock TD, et al. J Bacteriol 107:303-14, Jul 71
Structure of the Chromatium sulfur particle and its protein membrane. Nicolson GL, et al.
J Bacteriol 105:1142-8, Mar 71
Heat balance of S-peptide-S-protein binding in ribonuclease S. Marzotto A, et al.
J Biochem (Tokyo) 68:833-5, Dec 70
Sulfheme proteins. I. Optical and magnetic properties of sulfmyoglobin and its derivatives. Berzofsky JA, et al. J Biol Chem 246:3367-77, 25 May 71
Mechanisms of sulfur transfer catalysis. Sulfhydryl-catalyzed transfer of thiosulfonate sulfur. Westley J, et al. J Biol Chem 246:1468-74, 10 Mar 71
A stable reagent for the preparation of N-o-nitrophenylthio-amino-acids. Savrda J, et al.
J Chem Soc [Org] 16:2180-3, 1970
Thio-analogues of 5,6-dihydrouridine. Skarić V, et al.
J Chem Soc [Org] 18:2444-7, 1970
Reducing particle size in 99mTc-sulfur colloid preparations. Cohen MB, et al.
J Nucl Med 11:767-8, Dec 70
Physical and biological properties of a 99mTc-sulfur colloid preparation containing disodium edetate. Haney TA, et al. J Nucl Med 12:64-8, Feb 71
Biologically oriented organic sulfur chemistry. V. Alkanesulfenyl iodides. Field L, et al.
J Org Chem 35:3267-73, Oct 70
Effects of the addition of sulphur compounds to the diet on utilisation of protein in young growing rats. Miller DS, et al. J Sci Food Agric 21:616-8, Dec 70
Sulfur amino acid nutrition of the growing chick: effect of age on the dietary methionine requirement. Graber G, et al. Poult Sci 50:854-8, May 71
Lysine and total sulfur amino acid requirements of turkey poults, one day to three weeks. Kummero VE, et al. Poult Sci 50:752-8, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Use of the laying cycle as a criterion of dietary protein or sulfur amino acid adequacy. Moreno RS, et al. Poult Sci 49:1507-9, Nov 70

Chemical modifications of transfer RNA species. Desulfurization with Raney nickel. Hecht SM, et al. Proc Natl Acad Sci USA 68:48-51, Jan 71

[The Belgian network for measurement of air pollution by sulfur oxides and smoke] Bouquiaux J, et al. Arch Belg Med Soc 27:607-21, Nov-Dec 69 (Fre)

[Possibility of the use of sulfur-colloid macroaggreaates of of albumin labelled with radiotechnechnetium (99mTc-S + MAA) in lung scintiphotographic examination] Cabassa N, et al. Fracastoro 63:101-7, Mar-Apr 70 (Ita)

[Studies of organosulfur compounds. I. Reaction between active methyl groups and o-substituted bifunctional molecule in the presence of sulfur] Hisano T, et al. J Pharm Soc Jap 91:180-6, Feb 71 (Jap)

[Effect of Cracow sulphur water on the erythrocyte and plasma contents of certain cations] Rokicki W, et al. Przegl Lek 26:788-90, 1970 (Pol)

[Sulfur containing derivative of sibiromycin. Separation of sulfur during the interaction with DNA] Dudnik IuV, et al. Antibiotiki 16:6-8, Jan 71 (Rus)

[Effect of a sulfur-containing nucleotide peptide on the life-cycle of a synchronous culture of Chlorella vulgaris] Goriunova SV, et al. Dokl Akad Nauk SSSR 190:455-7, Jan 70 (Rus)

[Effect of air pollution by sulfurous gas and nitrogen dioxide on the health and physical development of children] Shalamberidze OP. Gig Sanit 35:10-4, Feb 70 (Rus)

ADMINISTRATION & DOSAGE

Successful control of snuffles in a rabbit colony. Belin RP, et al. J Am Vet Med Assoc 159:622-3, Sep 71

[Study of the conditions of formation of lincomycin by strain UV-914] Gavrilina GV, et al. Antibiotiki 15:595-9, Jul 70 (Rus)

[Experience in preventing dermatitis in the treatment of scabies] Rybkis IM. Vestn Dermatol Venerol 44:78, Jul 70 (Rus)

ANALYSIS

Quantitative microradiography of normal human nail. Forslind B, et al. Acta Derm Venereol (Stockh) 51:89-92, 1971

Gas chromatography of reactive sulfur gases in air at the parts-per-billion level. Stevens RK, et al. Anal Chem 43:827-31, Jun 71

Polarography of some sulphur-containing compounds. XVI. Polarographic and spectral investigation of acid-base equilibria in aqueous solutions of 2-thiobarbituric acids with substituents on sulphur. Smyth WF, et al. Anal Chim Acta 52:129-38, Oct 70

The determination of sulphur and sulphur-35 in milk. Bates TH, et al. Analyst 95:955-6, Nov 70

Direct gas chromatographic analysis of sulphur compounds in mouth air in man. Tonzetich J. Arch Oral Biol 16:587-97, Jun 71

Thiolated bases in ribosomal RNA of E. coli. Cotter RI, et al. Biochem Biophys Res Commun 39:766-73, 22 May 70

The presence of S degrees-containing impurities in commercial samples of oxidized glutathione and their catalytic effect on the reduction of cytochrome c. Massey V, et al. Biochem Biophys Res Commun 42:730-8, 19 Feb 71

Composition of the sulfur particle of Chromatium vinosum strain D. Schmidt GL, et al. J Bacteriol 105:1137-41, Mar 71

Molar extinction coefficient and iron and sulfide content of clostridial ferredoxin. Hong JS, et al. J Biol Chem 245:4982-7, 10 Oct 70

Flame photometric detection of volatile sulphur compounds in smoke from various types of cigarettes. Groenen PJ, et al. J Chromatogr 57:239-46, 6 May 71

A simplified radiochromatographic purity check. Gutkowski RF, et al. J Nucl Med 12:513-5, Jul 71

Determination of sulphur in foodstuffs. II. Reduction to hydrogen sulphide. Beswick G, et al. J Sci Food Agric 21:565-7, Nov 70

Estimation of sulphur in biological materials using the technicon autoanalyser. Mottershead BE. Lab Pract 20:483-4 passim, Jun 71

[Sulfur distribution in some cutaneous epitheliomas. X-ray spectrometry micro-analysis] Duprez A, et al. Ann Histochim 15:47-51, Jan-Mar 70 (Fre)

[Effect of lower fluorine concentrations on 35-sulfur distribution in hard and soft tissues in rats] Arendt-Peter S. Z Biol 116:391-3, Jun 70 (Ger)

[Effect of sodium fluoride on 35-sulfur distribution in soft and hard tissues in rats] Arendt-Peter S. Z Biol 116:385-90, Jun 70 (Ger)

[Effect of phenylacetic acid on the sulfur distribution among the biosynthetic products of Penicillum chrysogenum] Levitov MM, et al. Antibiotiki 16:291-4, 1971 (Rus)

DIAGNOSTIC USE

99m Tc sulfur colloid absorbed on ferric hydroxide macroaggregates for lung perfusion imaging. Huberty JP. Int J Appl Radiat Isot 22:425-7, Jul 71

[Synthesis of a new radioactive sulfocolloid-Tc 99m compound for visualization of organs with colloidopexic activity] Franchi R, et al. Radiobiol Radioter Fis Med 24:353-68, Nov-Dec 69 (Ita)

ISOLATION & PURIFICATION

[Study of the microdetermination of oxygen according to Unterzaucher in sulfur containing organic substances. II. Use of chemical methods for removing CS2 and COS from pyrolysis gases] Campiglio A. Farmaco [Sci] 26:349-69, Apr 71 (Ita)

METABOLISM

Effect of intravenous administration of human growth hormone on sulphation factor activity in serum of hypopituitary subjects. Hall K. Acta Endocrinol (Kbh) 66:491-7, Mar 71

Effect of bleeding on plasma sulfation activity in rats. Boström H, et al. Acta Physiol Scand 81:425-7, Mar 71

Distribution of 35S in the blood and its excretion in urine dogs exposed to 35SO2. Yokoyama E, et al. Arch Environ Health 22:389-95, Mar 71

Production of volatile sulphur compounds from cysteine, cystine and methionine by human dental plague. Tonzetich J, et al. Arch Oral Biol 16:599-607, Jun 71

The influence of sulphur, sodium chloride and nitrogen supplements on the nitrogen balance of Merino sheep in North Western Australia. Robinson DW. Br Vet J 126:470-5, Sep 70

Oxidation of elemental sulfur and sulfur compounds and CO2 fixation by Ferrobacillus ferrooxidans (Thiobacillus ferrooxidans). Silver M. Can J Microbiol 16:845-9, Sep 70

Pharmacological studies of the antitumor agent 6-methylthiopurine ribonucleoside. Ho DH, et al. Cancer Res 30:2852-7, Dec 70

Induction of sulfation factor activity infection of hypophysectomized rats with Spirometra mansonoides. Garland JT, et al. Endocrinology 88:924-7, Apr 71

Rhythmic incorporation of 35S during early embryonic mitosis in Limnaea (mollusc). Brahmachary RL, et al. Exp Cell Res 65:325-8, Apr 71

Appearance in the blood plasma and excretion of 35S from three chemical forms of sulfur by lambs. Johnson WH, et al. J Anim Sci 31:1003-9, Nov 70

Metabolism of radioactive sulfur from elemental sulfur, sodium sulfate and methionine by lambs. Johnson WH, et al. J Anim Sci 32:778-83, Apr 71

Further purification and characterization of sulfation factor and thymidine factor from acromegalic plasma. Van Wyk JJ, et al. J Clin Endocrinol Metab 32:389-403, Mar 71

Sulfated extracellular matrix production in the embryonic heart and adjacent tissues. Manasek FJ. J Exp Zool 174:415-39, Aug 70

Effects of dietary casein on the incorporation of radioactive sulfur in cartilages. Dilokamabandh V. J Med Assoc Thai 53:85-109, Feb 70

Diagnostic significance of the relative uptake of liver compared with spleen in 99mTc-sulfur colloid scintiphotography. Bekerman C, et al. J Nucl Med 12:237-40, May 71

Visualization of gastric mucosa on 99mTc-sulfur colloid liver-spleen scans: a puzzling artifact. Samuels LD. J Nucl Med 12:271-2, May 71

Estimation of functional size of the spleen. Spencer RP. J Nucl Med 11:616, Oct 70

Effect of zinc deficiency on sulfur-35 and hexosamine metabolism in the epiphyseal plate and primary spongiosa of the chick. Nielsen FH, et al. J Nutr 100:903-7, Aug 70

Factors affecting distribution of technetium-sulfur colloid. Atkins HL, et al. J Reticuloendothel Soc 8:176-84, Aug 70

[Distribution of sulfur in cutaneous epithelioma: microanalysis by X spectrometry] Duprez A, et al. Bull Soc Fr Dermatol Syphiligr 77:420-3, 1970 (Fre)

[Sulfur metabolism in the cartilage] Bayourthe L, et al. Rhumatologie 23:33-40, Feb 71 (Fre)

[Sulfur metabolism of Microsporum canis] Ziegler H, et al. Mykosen 11:903-7, 1 Dec 68 (Ger)

[Effect of sulfur on the soluble protein complex and some isoenzymes of Chlorella vulgaris] Bers EP, et al. Dokl Akad Nauk SSSR 196:1463-6, 21 Feb 71 (Rus)

[Role of a sulfur-containing polynucleotide peptide complex in cell division in Chlorella vulgaris] Goriunova SV, et al. Dokl Akad Nauk SSSR 190:966-8, Feb 70 (Rus)

PHARMACODYNAMICS

Regulation of L-cysteine biosynthesis in Salmonella typhimurium. I. Effects of growth of varying sulfur sources and O-acetyl-L-serine on gene expression. Kredich NM. J Biol Chem 246:3474-84, 10 Jun 71

The antiviral activity of thiophosphate-substituted polyribonucleotides in vitro and in vivo. CDe Clercq E, et al. Virology 42:421-8, Oct 70

[Clinic-experimeal studies on he effect of sulfur baths on skin] Shneder H. Praxis 60:23-6, 16 Feb 71 (Ger)

[Effect of sulfur water from the so-called Mateczny II spring on the aldolase and aminotransferase activity in erythrocytes] Tarnawski A, et al. Przegl Lek 27:239-40, 1971 (Pol)

[Effect of sulphur water from the Mateczny II spring on the activity of the adrenal aldolase and aminotransferases] Tarnawski A, et al. Przegl Lek 26:731-3, 30 Sep 70 (Pol)

[Adrenal weight and content of ascorbic acid after drinking sulphur water from the Mateczny II spring] Wajdowicz A, et al. Przegl Lek 26:742-3, 30 Sep 70 (Pol)

[Functional state of the liver in animals with sulphur bath treatment] Kaplun Sia, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:217-21, May-Jun 70 (Rus)

POISONING

[Sulfur anhydride residues in foodstuffs: the case of alcoholic drinks] Gounelle H, et al. Bull Inst Nati Sante Rech Med 24:1431-41, Nov-Dec 69 (Fre)

[Toxic lesions of the liver under the effect of sulfurous gas in workers of copper smelting plants in the Ural] Sterekhova NP, et al. Gig Tr Prof Zabol 14:12-6, Dec 70 (Rus)

THERAPEUTIC USE

The treatment of Kyrle's disease. Powell EW. Br J Dermatol 83:704-5, Dec 70

[Effect of sulfur baths at the Nemirov health resort and ozokerite applications on the function of adrenal cortex in patients with chronic eczema] Lavrik AU. Vopr Kurortol Fizioter Lech Fiz Kult 35:228-30, May-Jun 70 (Rus)

URINE

Liver damage and excretion of bivalent sulphur after exposure to carbon disulphide in fed and fasted rats with and without phenobarbitone pretreatment. Butler WH, et al. Br J Pharmacol 40:171P+, Sep 70

SULFUR DIOXIDE (D1)

Panel bed filters for simultaneous removal of fly ash and sulfur dioxide. 3. Reaction of sulfur dioxide with half-calcined dolomite. Squires AM, et al. J Air Pollut Control Assoc 21:272-6, May 71

Oxidation of atmospheric SO2 by products of the ozone-olefin reaction. Cox RA, et al. Nature (Lond) 230:321-2, 2 Apr 71

Detection of latent fingerprints with 35SO2. Spedding DJ. Nature (Lond) 229:123-4, 8 Jan 71

The photochemically induced reaction of sulfur dioxide with alkanes and carbon monoxide. Timmons RB. Photochem Photobiol 12:219-30, Sep 70

[Effect of atmospheric factors and of SO2 and airborne dust emissions on intrabronchial flow resistance and intrathoracal gas volume of healthy and sick humans] Niehaus A, et al. Pneumonologie 143:1-14, 1970 (Ger)

[Effects of low concentration of sulfur dioxide in atmospheric air on rats' organisms in the course of long exposure] Misiakiewicz Z. Rocz Panstw Zaki Hig 21:469-82, 1970 (Pol)

[Influence of sulfur dioxide (SO2) on animal organism] Misiakiewicz Z. Rocz Panstw Zaki Hig 21:457-66, 1970 (Pol)

[Air pollution. 3. Chemical properties of air pollutants] Báez A. Gac Med Mex 100:262-5, Mar 70 (Spa)

ADVERSE EFFECTS

[Physiopathological effects and tolerance phenomenon connected with excessive atmospheric concentrations of sulfurous anhydride] Untea G, et al. Arch Mal Prof 31:481-4, Sep 70 (Fre)

ANALYSIS

Air pollution, mortality, and weather. New York City, 1960-1964. Glasser M, et al. Arch Environ Health 22:334-43, Mar 71

Distribution of sulfur dioxide over metropolitan St. Louis, as described by empirical eigenvectors, and its relation to meteorological parameters. Peterson JT. Atmos Environ 4:501-18, Sep 70

A numerical experiment in simulating the transport of sulfur dioxide through the atmosphere. Randerson D. Atmos Environ 4:615-32, Nov 70

Concentration of effluents in a plume as predicted by a model and observed in the field. Tsang G. Atmos Environ 4:545-56, Sep 70

Tentative method of analysis for sulfur dioxide content of the atmosphere. (Manual conductimetric method). Health Lab Sci 8:42-7, Jan 71

Sulfur dioxide emissions from power plants: their effect on air quality. Golden J, et al. Science 171:381-3, 29 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Generalities on atmospheric pollution. Determination of pollution levels in the Lyons agglomeration] Violet P. Poumon Coeur 26:633-57, 1970 (Fre)
[Studies on the aspiration concentration of dust and sulfur dioxide at different heights in the city center of Berlin] Muschter W, et al.
Z Aerztl Fortbild (Jena) 64:467-71, 1 May 70 (Ger)
[Card-indexing and calculation of the SO2 emissions in the county of Cottbus for the years 1967 and 1975] Flemming G, et al.
Z Gesamte Hyg 17:107-12, Feb 71 (Ger)
[Atmosphere--sulfurous acid gas] Miyamoto T.
Naika 27:823-6, May 71 (Jap)

ISOLATION & PURIFICATION

Studies on the removal of sulfur dioxide from hot flue gases as a measure to prevent air pollution. IV. Recovery of flue gas sulfur as ammonium phosphate. Kiyoura R, et al.
J Air Pollut Control Assoc 20:762-3, Nov 70

METABOLISM

Distribution of 35S in the blood and its excretion in urine dogs exposed to 35SO2. Yokoyama E, et al.
Arch Environ Health 22:389-95, Mar 71

PHARMACODYNAMICS

Fermentation and respiration of yeast in presence of sulphur dioxide. Bréchot P, et al.
Antonie van Leeuwenhoek 35:Suppl:G21-2, Jun 69
Long-term continuous exposure of guinea pigs to sulfur dioxide. Alarie Y, et al.
Arch Environ Health 21:769-77, Dec 70
Sulfur dioxide: Sulfite. Interaction with mammalian serum and plasma. Gunnison AF, et al.
Arch Environ Health 22:381-8, Mar 71
The effect of respiratory irritants on the metabolism of alveolar macrophages. Barry DH, et al.
J Pathol 101:Piv, Aug 70
Effect of sulphur dioxide on the enzyme activity of the alveolar macrophage of rats. Barry DH, et al.
Thorax 25:612-4, Sep 70
Changes in specific airway conductance in healthy volunteers following nasal and oral inhalation of SO2. Melville GN. West Indian Med J 19:231-5, Dec 70

POISONING

Treatment of sulfur dioxide poisoning. Barach AL.
JAMA 215:485, 18 Jan 71
[The cardiorespiratory function after bronchopneumopathies caused by irritant gases] Sessa T, et al. Poumon Coeur 26:1097-107, 1970 (Fre)
[Change in the content of some vitamins in albino rat organs and urine during the chronic administration of 3,4-benzpyrene and sulfur dioxide] Pushkina NN, et al. Biull Eksp Biol Med 70:45-7, Dec 70 (Rus)

RADIATION EFFECTS

Photo-oxidation of atmospheric SO2. Cox RA, et al.
Nature (Lond) 229:486-8, 12 Feb 71

STANDARDS

Boston's sufferance of sulfur dioxide. MacKenzie JJ.
Science 172:792-3, 21 May 71

TOXICITY

[Disturbance of acid-base and enzyme equilibrium in experimental intoxication with SO2 and protective action of ammonia] Kosmider S, et al.
Int Arch Arbeitsmed 26:316-34, 1970 (Ger)

SULFUR ISOTOPES (D1)

Distribution of radioactive sulfur from 35S-L-methionine in adult mice brains in vivo and its chemical analyses. Shimada M, et al.
Acta Anat Nippon 45:234-41, Oct 70
Simultaneous liquid scintillation determination of tritium and sulfur-35 in biological low-level samples using the oxygen flask method. Roncucci R, et al.
Anal Biochem 26:118-36, 10 Oct 68
Metabolism of 35 S-sulphate and properties of APS-kinase and PAPS-reductase in Nitrobacter agilis. Varma AK, et al. Arch Mikrobiol 78:99-117, 1971
Automated calculation of carbon-14 and sulfur-35 radioactivity in biological samples by external standardization and a computer program. Figdor SK.
Comput Biomed Res 3:201-11, Jun 70
The use of carbon-14 as a secondary counting standard for sulphur-35. Buckley JP.
Int J Appl Radiat Isot 22:41-2, Jan 71
Detection of latent fingerprints with 35SO2. Spedding DJ. Nature (Lond) 229:123-4, 8 Jan 71
[Dispersion of 35S-labeled Mycobacterium brunense in the organism of chickens] Hampl J, et al.
Zentralbl Bakteriol [Orig] 213:313-21, 1970 (Ger)
[1st results of a test for the measurement of the thrombocytopoietic factor in the rat, labeling the platelets with S35] Marcacci M, et al.
Haematologica 55:402-18, 1970 (Ita)

ANALYSIS

The determination of sulphur and sulphur-35 in milk. Bates TH, et al. Analyst 95:955-6, Nov 70
Maximum permissible intakes of 35 S-L-methionine and 35 S-sodium sulphate deduced from experiments on rats. Minski M, et al. Health Phys 20:1-9, Jan 71

METABOLISM

Appearance in the blood plasma and excretion of 35S from three chemical forms of sulfur by lambs. Johnson WH, et al. J Anim Sci 31:1063-9, Nov 70
[Incorporation of radiosulfate in the tissues of normal rats and rats under restraint] Lambert R, et al.
Biol Gastroenterol (Paris) 1:35-44, 1969 (Fre)
[Radioautographic study by the detached pellicle method of the radioactivity phenomenona in tissues of guinea pigs treated with mud baths with addition of sodium sulfide (Na 2 S 35) labeled with radioactive sulfur S 35] Majewski C, et al.
Presse Therm Climat 108:9-12, 1971 (Fre)

PHARMACODYNAMICS

Exogenic 35SO4-heparin introduced into the organism. Yurukova Z. Dokl Bolg Akad Nauk 22:595-8, 1969

SULFURIC ACID ESTERS see under SULFURIC ACIDS (D1, D2)

SULFURIC ACIDS (D1, D2)

Anticoagulant activity of oxidized and N- and O-sulfated chitosan. Whistler RL, et al.
Arch Biochem Biophys 142:106-10, Jan 71
Inhibition of polynucleotide kinase by agar, dextran sulfate and other polysaccharide sulfates. Wu R.
Biochem Biophys Res Commun 43:927-34, 21 May 71
Heparan sulfates of cultured cells. I. Membrane-associated and cell-sap species in Chinese hamster cells. Kraemer PM.
Biochemistry 10:1437-45, 13 Apr 71
Elastase. II. Optical properties and the effects of sodium dodecyl sulfate. Visser L, et al.
Biochemistry 10:743-52, 2 Mar 71
Purification and properties of two adenosine-5'-phosphosulphate sulphohydrolases from rat liver and their possible role in the degradation of 3'-phosphoadenosine 5'-phosphosulphate. Bailey-Wood R, et al.
Biochim Biophys Acta 220:284-99, 11 Nov 70
Conformational transitions of immunoglobulin fragment Fc(t) incited by alkyl sulfates of various hydrophobic chain lengths. Lee PK, et al.
Biochim Biophys Acta 229:613-41, 23 Mar 71
Conformational transitions of immunoglobulin fragment Fc (t) incited by alkyl sulfates of various hydrophobic chain lengths. Lee PK, et al.
Biochim Biophys Acta 229:631-41, 23 Mar 71
The gross conformation of protein-sodium dodecyl sulfate complexes. Reynolds JA, et al.
J Biol Chem 245:5161-5, 10 Oct 70
Reversible denaturation of enzymes by sodium dodecyl sulfate. Weber K, et al.
J Biol Chem 246:4504-9, 25 Jul 71
Steroid conjugates. II. Synthesis of 5 beta-pregnane-3 alpha,20 alpha-diol 20-monosulphate. Rajagopalan MS, et al. J Chem Soc [Org] 16:2266-72, 1970
On the mechanism of steroid fluorescence in sulfuric acid. I. The formation of trienones. Sadée W, et al.
Steroids 17:595-606, May 71
[Cancerogenic alkylating substances. 3. Alkyl-halogenides, -sulfates, -sulfonates and strained heterocyclic compounds] Druckrey H, et al.
Z Krebsforsch 74:241-73, 1970 (Ger)
[Effect of various denaturants on the activity of cysteamine oxygenases] Fiori A, et al.
Acta Vitaminol Enzymol (Milano) 23:201-3, 1969 (Ita)
[Research on chalcones. 2. Electrophilic substitution: sulfonation and nitration] Calcinari R.
Farmaco [Sci] 25:860-70, Nov 70 (Ita)
[On the behavior of anionic detergents in ozone-treated water. I. Effect of pH] Verde L, et al.
Ig Mod 62:277-85, 1969 (Ita)
[Physicochemical studies on the suspension syrups. 8. The influence of sodium lauryl sulfate on the dispersion of some sulfonamides] Nakagaki M, et al.
J Pharm Soc Jap 90:1236-31, Oct 70 (Jap)
[Determination of total serum lipids and its clinical significance. 1. A new determination method using SPV reaction] Wada M, et al.
Jap J Clin Pathol 18:711-4, Oct 70 (Jap)
[Acute burn of the esophagus due to sulfuric acid] Avakian SM.
Vestn Otorinolaringol 32:117, Sep 70 (Rus)

ADMINISTRATION & DOSAGE

[Treatment of fluor vaginalis with Malun] Kemper M.
Z Allgemeinmed 47:301-3, 28 Feb 71 (Ger)

ADVERSE EFFECTS

Unusual endodontic complication: report of case. Harris WE. J Am Dent Assoc 83:358-63, Aug 71

ANALYSIS

Method for determination of the sulfate content of glycosaminoglycans. Terho TT, et al.
Anal Biochem 41:471-6, Jun 71
Electrophoresis of acidic glycosaminoglycans in hydrochloric acid: a micro method for sulfate determination. Wessler E.
Anal Biochem 41:67-9, May 71
Determination of the acid content of aerosol particles. Junge C, et al. Atmos Environ 5:165-75, Mar 71
[Determination of cerebral cerebrosides and sulfatides by thin layer chromatography (method without preliminary elution)] Mesdjian E.
C R Soc Biol (Paris) 164:1082-3, 1970 (Fre)
[Dissociation of rat thyroglobulin by S.D.S. as a function of iodine supply] Gavaret JM, et al.
J Physiol (Paris) 62:Suppl 2:278, 1970 (Fre)
[Colorimetric determination of sulfuric acid in the air] Chapkevichene ES. Gig Sanit 35:59-61, Sep 70 (Rus)

BIOSYNTHESIS

Heparan sulfates of cultured cells. II. Acid-soluble and -precipitable species of different cell lines. Kraemer PM. Biochemistry 10:1445-51, 13 Apr 71
Production of sulfated mucopolysaccharides by established cell lines of fibroblastic and nonfibroblastic origin. Suzuki S, et al.
Biochim Biophys Acta 222:240-3, 27 Oct 70
Biosynthesis of 1,2- 3 H and 4- 14 C steroid sulfates of high specific activity. Torday J, et al.
Can J Biochem 48:148-50, Jan 70
Structure of sulfatides biosynthesized in vitro. Stoffyn P, et al. J Lipid Res 12:318-23, May 71

ISOLATION & PURIFICATION

Separation of sulfated nucleotides using polyacrylamide gel electrophoresis. Sass NL, et al.
Anal Biochem 38:559-64, Dec 70
Glycoproteins and sulfated glycoproteins isolated from human bile. Matsushiro T, et al.
Clin Chim Acta 30:645-55, Dec 70
[Detection, separation and dosage of sodium laurylsulfate] Linari G.
Pharm Acta Helv 46:410-2, Jul 71 (Fre)

METABOLISM

Production and secretion of chondroitin sulfates and dermatan sulfate by established mammalian cell lines. Saito H, et al.
Biochem Biophys Res Commun 43:723-8, 21 May 71
The interaction of sulphate esters and glutathione in vivo. Gillham B, et al. Biochem J 118:24P-25P, Jun 70
Hepatic sulfation of estrogen metabolites. Brooks SC, et al. Biochim Biophys Acta 231:233-41, 2 Feb 71

PHARMACODYNAMICS

Nonspecific precipitation of serum proteins by sodium lauryl sulfate in agar diffusion and immunoelectrophoresis. Palmer EL, et al.
Appl Microbiol 21:903-6, May 71
Purification and characterization of (Na+ + K+)-ATPase. I. The influence of detergents on the activity of (Na+ + K+)-ATPase in preparations from the outer medulla of rabbit kidney. Jorgensen PL, et al. Biochim Biophys Acta 233:366-80, 13 Apr 71
The effects of intra-arterial injection of sodium tetra-decyl sulphate, 3 per cent. MacGowan W.
Br J Surg 58:306, Apr 71
Protein fluorescence and molecular weight of sodium dodecyl sulfate-treated human methemoglobin. Rogers KS. Enzymologia 39:96-100, 31 Aug 70
Action of sodium dodecyl sulfate on electron transport enzymes of Rhodospirillum rubrum. Boll M.
Experientia 26:956-7, 26 Sep 70
The specific localization of diethyl sulphate-induced second chromosome recessive lethal mutations in Drosophila melanogaster. Pelecanos M.
Experientia 27:473-4, 15 Apr 71
Effects of dietary hydrochloric and sulphuric acids on voluntary feed intake and metabolism of sheep. L'Estrange JL, et al. Proc Nutr Soc 30:21A-22A, May 71
[Study of the possible activity of sodium cyclamate in the rat within the span of 3 generations] Ferrando R, et al.
Bull Acad Natl Med (Paris) 152:36-41, 23 Jan 68 (Fre)

POISONING

[The effect of sulfuric acid and ethyl alcohol on the eye

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in butyl rubber production and methods of prevention] Ismail-Zade ShKh, et al.
Oftalmol Zh 25:584-6, 1970 (Rus)

RADIATION EFFECTS

ESR studies of the mechanisms for radical formation in irradiated frozen sulfuric acid solutions of thymine. Henriksen T, et al. Radiat Res 45:420-33, Feb 71

THERAPEUTIC USE

[Effect of caustics on the periodontium during the treatment of marginal chronic progressive periodontitis (clinical and animal experimental study)] Rozeik F, et al. ZWR 80:149-54, 25 Feb 71 (Ger)

TOXICITY

[Toxicity and carcinogenic properties of inhaled dimetyl sulfate] Schlögel FA, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:441, 1970 (Ger)

URINE

Oversulfated chondroitin sulfate in normal human urine. Varadi DP, et al.
Biochim Biophys Acta 230:248-52, 23 Feb 71
Steroids in germfree and conventional rats. Steroid monosulphates in urine from female rats. Gustafsson JA. Eur J Biochem 14:560-6, Jul 70
Neutral steroids in urine during pregnancy. Identification of sulphate-conjugated 3-beta,15-alpha-dihydroxy-5-alpha-pregnan-20-one, 3-beta,15-alpha-dihydroxy-5-beta-pregnan-20-one and 5-pregnene-3-beta,15-beta,17-alpha,20-alpha-tetrol. Jänne OA, et al. Eur J Biochem 17:134-40, Nov 70
Molecular complexation of morphine and indol-3-yl sulphuric acid in the dog. Misra AL, et al.
J Pharm Pharmacol 22:782-3, Oct 70

SUNBURN (C14)

CHEMICALLY INDUCED

Immediate cutaneous reaction to a sunscreen. Blank H.
Arch Dermatol 103:461, Apr 71

COMPLICATIONS

Sun gazing as the cause of foveomacular retinitis. Ritchey CL, et al. Am J Ophthalmol 70:491-7, Oct 70
Hutchinson's summer prurigo. Meara RH, et al.
Trans St Johns Hosp Dermatol Soc 57:87-97, 1971
[Becker's melanosis. A finestructural analysis of the pigment changes] Gebhart W, et al.
Arch Dermatol Forsch 241:166-78, 1971 (Ger)
[Negative factors of heliotherapy in dermatology] Policaro RD. G Ital Dermatol 45:587-9, Oct 70 (Ita)

PATHOLOGY

Scanning electron microscopy of dermal fibrous tissue networks in normal skin, solar elastosis and pseudo-xanthoma elasticum. Dawber R, et al.
Br J Dermatol 84:130-4, Feb 71
Ultrastructure of human epidermis following chronic sun exposure. Everett MA, et al.
Br J Dermatol 84:248-57, Mar 71

PREVENTION & CONTROL

Aminobenzoic acid and its esters. The quest for more effective sunscreens. Willis I, et al.
Arch Dermatol 102:405-17, Oct 70
The study of the efficacy of some agents used for the protection of the skin from exposure to light. Macleod TM, et al. Br J Dermatol 84:266-81, Mar 71
Bites and stings and other skin troubles. Birch CA.
Community Health (Bristol) 1:29-35, Jul-Aug 69
Sunburn sensitivity and steroids. Civetta JM.
N Engl J Med 285:238, 22 Jul 71
The effect of a preparation of vitamin A and calcium carbonate on sunburn. Turner AC, et al.
Practitioner 206:662-5, May 71
Topical and systemic approaches to photoprotection. Fitzpatrick TB, et al. Proc R Soc Med 64:861-2, Aug 71
[Treatment of hypersensitivity to sun rays by ACTH] Demets A, et al. Brux Med 51:379-86, May 71 (Fre)
[Cosmetic sunscreening] Tronnier H.
Cosmetologica 19:271-80, 20 Aug 70 (Ger)
[Light-protective effect of 5-fluoro-uracil] Tronnier H.
Strahlentherapie 141:748-51, Jun 71 (Ger)
[Studies on the photoprotective action of benzadolic acid. 3. Comparative study with chemical filters of known activity] Barduagni O, et al.
G Ital Dermatol 46:116, Mar 71 (Ita)
[Photoprotective effect of bendazolic acid. II. Study of the ultraviolet rays dose necessary for determination of an erythematous response] Fuga GC, et al.
G Ital Dermatol 46:129, Mar 71 (Ita)

SUNLIGHT (G3)

Data regarding the problem of physical allergies. Brassai Z, et al. Allerg Asthma (Leipz) 16:68-74, 1970
A new standard for sunglass lenses. Merrill DP.
Am J Optom 48:484-92, Jun 71
Sunglasses for eye protection. Richards OW.
Am J Optom 48:200-3, Mar 71
Effect of sodium fluorescein and plating medium on recovery of irradiated Escherichia coli and Serratia marcescens from aerosols. Dorsey EL, et al.
Appl Microbiol 20:834-8, Nov 70
Vitiligo and methoxsalen. Sehgal VN.
Arch Dermatol 103:343-4, Mar 71
Sunlight photooxidation of isobutylene and butene-1 with NO2 in low- and high-oxygen concentrations. Ellis CF. Atmos Environ 5:83-8, Feb 71
Treatment of vitiligo with topical trimethylpsoralen and sunlight. Africk J, et al.
Br J Dermatol 84:151-6, Feb 71
Chorioretinal temperature increases from solar observation. White TJ, et al.
Bull Math Biophys 33:1-17, Mar 71
The biophysics of light energy and the eye. Favata BV, et al. Eye Ear Nose Throat Mon 49:447-51, Oct 70
The energy budget of man at high altitudes. Terjung WH. Int J Biometeorol 14:13-43, Mar 70
Ultraviolet wavelength factors in solar radiation and skin cancer. Freeman RG, et al.
Int J Dermatol 9:232-5, Jul-Sep 70
Sunlight. Friend or foe? Kalivas J.
J Kans Med Soc 72:237 passim, May 71
Erythema multiforme following Heaf test and exposure to strong sunlight. Broughton RH.
J R Nav Med Serv 57:51-2, Spring 71
Central role of solar information flow in pregenetic evolution. Theodoridis GC, et al.
J Theor Biol 31:377-88, Jun 71
Sunlight and the skin. Willis I.
JAMA 217:1088-93, 23 Aug 71
Sunlight and melanomas. Davis NC.
Lancet 1:803, 17 Apr 71
Sunlight and melanoma. Lee JA, et al.
Lancet 2:550-1, 4 Sep 71
Sunlight and melanomas. Lancet 1:172, 23 Jan 71
Sunlight and the aetiology of malignant melanoma: a synthesis. Lee JA, et al. Med J Aust 2:846-51, 31 Oct 70
Photo-oxidation of atmospheric SO2. Cox RA, et al.
Nature (Lond) 229:486-8, 12 Feb 71
Sunlight-induced pyrimidine dimers in human cells in vitro. Trosko JE, et al.
Nature (Lond) 228:358-9, 24 Oct 70
Qualitative and quantitative features of the clear day terrestrial solar ultraviolet radiation environment. McCullough EC. Phys Med Biol 15:723-34, Oct 70
The flow of energy in the biosphere. Gates DM.
Sci Am 225:89-92 passim, Sep 71
Rickets. Loomis WF. Sci Am 223:76-82 passim, Dec 70
The flow of energy in an agricultural society.
Rappaport RA. Sci Am 225:117-22 passim, Sep 71
Solar radiation: absence of air pollution trends at Mauna Loa. Ellis HT, et al. Science 172:845-6, 21 May 71
Roadrunners: energy conservation by hypothermia and absorption of sunlight. Ohmart RD, et al.
Science 172:67-9, 2 Apr 71
Sunlight ultraviolet and bacterial DNA base ratios. Singer CE, et al. Science 170:822-5, 20 Nov 70
[Chronic eruption due to light and sun rays] Meyer J.
Arch Belg Dermatol Syphiligr 25:311-6, 1969 (Fre)
[Changes in the blood vasopressin level following certain balneophysiotherapeutic methods] Modval M, et al. Rev Roum Physiol 6:285-91, 1969 (Fre)
[Treatment results with combination of moor-package and heliotherapy in children with rheumatoid arthritis] Bojkinov I, et al.
Arch Phys Ther (Leipz) 22:279-82, Sep-Oct 70 (Ger)
[Climate therapy of skin diseases. Establishment and evaluation fro a clinical view] Proppe A.
Cosmetologica 19:89-94 concl, 20 Mar 70 (Ger)
[Sunglasses in children] Rossmann H.
Dtsch Med Wochenschr 96:1025, 4 Jun 71 (Ger)
[UV-radiation and erythema edema threshold in different altitudes] Lotmar R.
Schweiz Med Wochenschr 101:291-3, 27 Feb 71 (Ger)
[UV-irradiation measurement by the resistant method. IV. Intensity of UV-irradiation on apt surfaces in comparison with total-body UV-irradiation. Loss of irradiation through the degree of the horizon] Lotmar R. Strahlentherapie 139:750-9, Jun 70 (Ger)
[Negative factors of heliotherapy in dermatology] Policaro RD. G Ital Dermatol 45:587-9, Oct 70 (Ita)
[Planning, construction and landscaping of city streets in Central Asia] Kuz'mina TF.
Gig Sanit 35:21-3, Nov 70 (Rus)
[Effect of increased window pane area on the microclimate of rural hospitals] Mironenko MA.
Gig Sanit 35:92-4, Nov 70 (Rus)
[Experimental study of photochemical oxidation of organic substances in the air] Popov VA.
Gig Sanit 36:7-10, 1971 (Rus)
[Effect of insolation regime on the course of experimental diseases in animals] Prokopenko IuI.
Gig Sanit 36:27-31, 1971 (Rus)
[Certain aspects of hygienic assessment of working conditions in buildings lacking skylights and windows] Bochenkova TD, et al.
Gig Tr Prof Zabol 14:40-3, Nov 70 (Rus)
[Effect of sun overheating on the cardiovascular system in experimental radiation injury] Mustafin KS. Sov Zdravookhr Kirg 3:10-3, May-Jun 70 (Rus)
[Disseminated superficial actinic porokeratosis] Balsa RE. Arch Argent Dermatol 19:189-98, Dec 69 (Spa)
[Actinic parakeratosis] Mosto SJ, et al.
Arch Argent Dermatol 19:103-12, Mar-Jun 69 (Spa)
[Human repercussions of internal solar effects] Poumailloux M.
Rev Clin Esp 115:507-20, 31 Dec 69 (28 ref.) (Spa)
[The treatment of psoriasis abroad] Frithz A, et al.
Lakartidningen 68:1190-2, 10 Mar 71 (Swe)

SUNSTROKE (C14)

[Sunstroke] Fischer H.
Z Allgemeinmed 47:599-601, 20 Apr 71 (Ger)

COMPLICATIONS

Deaths due to heat stroke and heat exhaustion. Baker AW. Med Leg Bull 182:1-6, Jun 68

SUPEREGO (F1, F2)

The superego: a key to troubled students. Moss NI.
Am J Psychiatry 127:1418, Apr 71
A superego distortion: the defensive use of expressions of moral concern. Lewis MD.
Int J Psychoanal 51:465-70, 1970
Ordinal language and superego genesis: a hitherto unnoticed influence of language on the formation of psychic structure. Walsh MN.
Int J Psychoanal 52:115-25, 1971
Object-specific superego responses. Wixen BN.
J Am Psychoanal Assoc 18:831-40, Oct 70
Conscience development. Malmquist CP.
Psychoanal Study Child 23:301-31, 1968
To cast away: a vestibular forerunner of the superego. Peto A. Psychoanal Study Child 25:401-16, 1970
[Pre-oedipal factors in superego development] Cambor CG. Psyche (Stuttg) 24:116-28, Feb 70 (Ger)
[The permissive society and the superego] Lowenfeld H, et al. Psyche (Stuttg) 24:706-20, Sep 70 (Ger)
[Criminality and perversion as manifestation of super-ego isolation and inability to love. Studies on self confessions in the prose of Jean Genet] Rasper HO. Z Psychother Med Psychol 20:223-35, Nov 70 (Ger)

SUPERFETATION (G1)

Maternal ageing and embryonic mortality in the rabbit. I. Repeated superovulation, embryo culture and transfer. Maurer RR, et al.
J Reprod Fertil 25:329-41, Jun 71
[A case of superfetation] Robinet G, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:451-3, Sep-Oct 70 (Fre)

SUPERIOR COLLICULUS (A8)

ANATOMY & HISTOLOGY

Retino-tectal and cortico-tectal projections in Macaca mulatta. Wilson ME, et al.
Brain Res 24:395-406, 18 Dec 70
Ascending projections of the superior colliculus in the cat. Niimi K, et al.
Okajimas Folia Anat Jap 47:269-87, Dec 70

CYTOLOGY

Structural organization of the superior colliculus and dorsal lateral geniculate body of the rat. Lund RD.
J Physiol Soc Jap 32:555-6, Aug 70
Synaptic adjustment after deafferentation of the superior colliculus of the rat. Lund RD, et al.
Science 171:804-7, 26 Feb 71

INNERVATION

Synaptic adjustment after deafferentation of the superior colliculus of the rat. Lund RD, et al.
Science 171:804-7, 26 Feb 71

METABOLISM

[Dependence of DNA synthesis in the matrix zones of the mesencephalon on the age of the experimental animal (Lebistes reticulatus--Teleostae). Autoradiographic studies] Richter W, et al.
Z Mikrosk Anat Forsch 82:76-92, 1970 (Ger)

PHYSIOLOGY

Habituation of unitary responses in the superior colliculus of the cat. Harutiunian-Kozak B, et al.
Acta Neurobiol Exp (Warsz) 31:213-7, 1971
Visually evoked potentials and single unit activity in the superior colliculus of the cat. Harutiunian-Kozak B, et al. Acta Neurobiol Exp (Warsz) 30:211-32, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Representation of the visual field in the superior colliculus of the grey squirrel (Sciurus carolinensis) and the tree shrew (Tupaia glis). Lane RH, et al. Brain Res 26:277-92, 5 Mar 71
Unit responses to visual stimuli in the cat's superior colliculus after removal of the visual cortex. Rizzolatti G, et al. Brain Res 24:336-9, 1 Dec 70
Possible mechanisms of neuronal habituation of collicular neurones in the cat. Straschill M. Brain Res 31:365-6, 20 Aug 71
Influences of cortico-tectal and intertectal connections on visual responses in the cat's superior colliculus. Hoffmann KP, et al. Exp Brain Res 12:120-31, 25 Feb 71
The midbrain tectum in visual relay. Lin H, et al. Exp Neurol 28:403-15, Sep 70
Lateral geniculate spikes in sleeping, awake, and reserpine-treated cats: correlated excitability changes in superior colliculus and related structures. Munson JB, et al. Exp Neurol 31:326-36, Jun 71
Activation of superior colliculus neurons and motor responses after electrical stimulation of the inferior colliculus. Syka J, et al. Exp Neurol 28:384-92, Sep 70
Inhibition of ACTH release by a central inhibitory mechanism in the basal forebrain. Taylor AN, et al. Exp Neurol 31:391-401, Jun 71
Receptive-field characteristics of superior colliculus neurons in the rabbit. Masland RH, et al. J Neurophysiol 34:148-56, Jan 71
Olfactory coding in olfactory bulb and medial forebrain bundle of normal and castrated male rats. Pfaff DW, et al. J Neurophysiol 34:206-16, Mar 71
Functional properties of corticotectal fibers in the cat. Ogawa T. J Physiol Soc Jap 32:561-2, Aug 70
Effect of iontophoretically applied biogenic amines and of cholinomimetic substances upon the activity of neurons in the superior colliculus and mesencephalic reticular formation of the cat. Straschill M, et al. Pfluegers Arch 324:43-55, 1971
The ipsilateral retinotectal pathway in the frog. Keating MJ, et al. Q J Exp Physiol 55:284-92, Oct 70
Superior colliculus: some receptive field properties of bimodally responsive cells. Wickelgren BG. Science 173:69-72, 2 Jul 71
Superior colliculus cell responses related to eye movements in awake monkeys. Wurtz RH, et al. Science 171:82-4, 8 Jan 71
Projection of visual field on superior colliculus of ground squirrel (Citellus tridecemlineatus). Woolsey CN, et al. Vision Res 11:115-27, Feb 71
[The effect of stage-by-stage splitting of the brain on interhemispheric analytic-synthetic activity and monohemispheric dominance] Bianki VL, et al. Zh Vyssh Nerv Deiat 21:463-9, 1971 (Rus)

SUPERSTITIONS (I)

The curse: study in family communication. Raybin JB. Am J Psychiatry 127:617-25, Nov 70
Louisiana voodoo and superstitions related to health. Webb JY. HSMHA Health Rep 86:291-301, Apr 71
Trance and possession states. Wittkower ED. Int J Soc Psychiatry 16:153-60, Spring 70

SUPPOSITORIES (D13)

Preliminary report on analgesic suppositories. Trudnowski RJ, et al. J Med (Basel) 1:246-7, 1970
The treatment of vaginitis with quinettes--a clinical study. Gravlee LC Jr. J Med Assoc State Ala 40:172-5, Sep 70
Medicament release from fatty suppository bases. Baichwal MR, et al. J Pharm Pharmacol 22:427-32, Jun 70
The drug release characteristics of various rectal suppositories as determined by specific ion electrodes. Thomas WH, et al. J Pharm Pharmacol 23:490-4, Jul 71
Suppositories. Bloom A. Practitioner 206:85-90, Jan 71
[Determination of phenobarbital in suppositories in a non-aqueous medium] Réalbois B, et al. J Pharm Belg 25:343-56, Sep-Oct 70 (Fre)
[Coloration of suppositories by pigments] Schrenzel M, et al. Pharm Acta Helv 45:486-500, Aug 70 (Fre)
[Clinical and experimental data on poisoning through rectally applied aminophenazone] Ivády G, et al. Acta Paediatr Acad Sci Hung 11:25-33, 1970 (Ger)
[Antipyretic effect of togal suppositories for children] Preidel H. Med Monatsschr 24:318-9, Jul 70 (Ger)
[Rectal administration of prednisone. Clinical experience] Stolting G, et al. Med Welt 27:1146-7, 10 Jul 71 (Ger)
[Enema and suppositories from the begining of 18th century from the modern viewpoint] Kahl I, et al. Pharm Prax 11:258-60, 1970 (Ger)
[Coloring of suppositories] Otto D. Pharm Prax 7:165-6, 1970 (Ger)
[Influence of lipophilic emulsifiers on the drug-output from cocoa-butter prepared suppositories] Mezey G. Pharmazie 26:166-9, Mar 71 (Ger)
[The role of solubility distribution in the releasing of active ingredients from suppositories] Mezey G, et al. Acta Pharm Hung 40:200-4, 1970 (Hun)
[Clinical use of erythromycin suppository--history and clinical effects of the suppository] Yokota M. J Jap Assoc Infect Dis 44:388-94, Oct 70 (Jap)
[Studies on stability of drugs in lyophilized suppository bases. 1. Separation and detection of products of decomposition of cyclovegantine, ethionamide and euphylline by means of thin-layer chromatography] Cieszyński T. Acta Pol Pharm 28:59-69, 1971 (Pol)
[Rectal drug forms] Azhgikhin IS. Farmatsiia 17:82-7, May-Jun 68 (103 ref.) (Rus)
[Study of the properties of polyethylene oxides different degrees of polymerization for the purpose of their use as bases for suppositories] Sharova NS, et al. Farmatsiia 20:15-8, 1971 (Rus)
[New bases for suppositories] Shmidt AA, et al. Farmatsiia 17:29-33, Sep-Oct 68 (Rus)
[Possibility of the use of Soviet-made fatty bases for the preparation of suppositories with some hormones] Tentsova AI, et al. Farmatsiia 19:17-21, Jul-Aug 70 (Rus)
[Biopharmaceutical aspects of administration of some analgesics and spasmolytics in the form of rectal suppositories] Tentsova EM, et al. Farmatsiia 19:21-6, Nov-Dec 70 (Rus)

ANALYSIS

[Variation in contents of suppositories] Fontani F, et al. Boll Chim Farm 109:447-53, Aug 70 (Ita)

STANDARDS

Content uniformity in rectal suppositories. Setnikar I, et al. J Pharm Sci 59:1319-24, Sep 70
[Use of the device and method of Volarovich-Markov for measuring the consistency of suppositorial bases] Shur SI, et al. Farmatsiia 18:25-7, May-Jun 69 (Rus)

SUPPRESSOR GENES see GENES, SUPPRESSOR (G1)

SUPPURATION (C1, C17)

Pyometra--a reappraisal. Whiteley PF, et al. Am J Obstet Gynecol 109:108-12, 1 Jan 71
Combined Hemophilus influenzae pyarthrosis, meningitis and septicemia in a five-year-old child. Robinson LD Jr, et al. Clin Pediatr (Phila) 10:421-3, Jul 71
[Cytochemical research on the corpuscular elements of purulent matter] Schmaizl F, et al. Minerva Med 62:325-9, 27 Jan 71 (Ita)
[Case of suppurated cyst of the urachus] Lentini A, et al. Nunt Radiol 34:927-39, Sep 68 (Ita)
[Suppuration of a large true cyst of the spleen] Fesenko VP, et al. Klin Khir 6:66-7, Jun 70 (Rus)

BLOOD

[C-reactive protein in several surgical diseases in children] Bilich GL, et al. Klin Khir 11:36-40, Nov 70 (Rus)

COMPLICATIONS

[Case of purulent polyserositis] Lukjan Z. Gruzlica 38:1213-4, 1970 (Pol)

DRUG THERAPY

[Kanamycin in the treatment of suppurative-septic infections] Kuznetsova SM, et al. Antibiotiki 15:360-74, Apr 70 (113 ref.) (Rus)
[Characteristics of the course of suppurative diseases with the use of antibiotics] Sidorenko AS. Khirurgiia (Mosk) 47:47-52, Jan 71 (Rus)
[Experience in the treatment of suppurative diseases of the skin and subcutaneous tissue with penicillin in combination with antiphagin] Shchekotov GM. Sov Med 32:137-41, Sep 69 (Rus)
[Enzyme therapy as a physiologically based method of treating acute suppurative diseases of the soft tissues] Gostishchev VK, et al. Vestn Khir 103:73-6, Aug 69 (Rus)

ETIOLOGY

[Diagnosis of reanimation. Syndrome of subphrenic retroperitoneal irritation] Eydan R. Anesth Analg (Paris) 28:273-84, Mar-Apr 71 (Fre)
[Cases of rticularly severe purulent complications of dental origin] Kwart L, et al. Czas Stomatol 24:529-33, May 71 (Pol)
[Incidence of septicemia and pyemia in patients who died from severe burns at the Institute of Hematology in the period 1954-1966] Sieiczak M. Pol Tyg Lek 25:1839-42, 30 Nov 70 (Pol)

MICROBIOLOGY

Bacteriological examinations of the pus from patients in the surgery wards of Dr. Soetomo Hospital, Surabaja, Indonesia. Kubota H, et al. Kobe J Med Sci 16:267-72, Dec 70
[Biological properties of staphylococci and the sensitivity to antibiotics of the flora isolated from patients with chronic purulent otitis media] Levina AA. Antibiotiki 14:267-71, 1969 (Rus)
[Effect of tetracycline in combination with other antibiotics on causative agents of purulent infection] Shestialtynova IS. Antibiotiki 16:72-5, Jan 71 (Rus)
[The microflora in suppurative processes of the maxilliofacial region and its sensitivity to antibiotics] Get'man II. Biull Eksp Biol Med 71:85-6, Mar-Apr 71 (Rus)
[Microflora in suppurative surgical diseases and its resistance to antibiotics] Dudkevich GA, et al. Sov Med 33:122-4, Dec 70 (Rus)

OCCURRENCE

Purulent neonatal meningitis. Br Med J 4:318-9, 7 Nov 70

SURGERY

[Suppurating pulmonary cysts] Manevich VL, et al. Grudn Khir 13:68-73, Mar-Apr 71 (Rus)
[Actual problems in ambulatory suppurative surgery] Lutsenko SM. Klin Khir 11:7-13, Nov 70 (Rus)

THERAPY

[General principles in treatment of purulent surgical diseases] Maurer G, et al. Chirurg 42:296-8, Jul 71 (Ger)

SUPRASELLAR CYST see under CRANIOPHARYNGIOMA (C2)

SURAMIN (D3)

PHARMACODYNAMICS

Resistance of Trypanosoma evansi to quinapyramine, suramin, stilbamidine and tryparsamide and analysis of cross-resistance. Gill BS. Trans R Soc Trop Med Hyg 65:352-7, 1971

THERAPEUTIC USE

The effect of suramin on experimental Trypanosoma cruzi infection in mice. Seah S. J Trop Med Hyg 73:170-1, Jul 70
[African trypanosomiasis. A propos of a case of sleeping sickness treated in Switzerland] Jenny M. Praxis 59:1777-80, 22 Dec 70 (Fre)
[Treatment of sleeping sickness. Results in the Tete district] Neves J. An Esc Nac Saude Publica Med Trop (Lisb) 4:229-47, Jan-Dec 70 (Por)

SURFACE-ACTIVE AGENTS (D13)

Hand washing. Quantitative studies on skin lipid removal by soaps and detergents based on 1500 experiments. Kirk JE. Acta Derm Venereol [Suppl] (Stockh) 1-183, 1966
Tween 20 shock in dogs and related fibrinogen changes. Marks LS, et al. Am J Physiol 220:218-21, Jan 71
Preparation of polyallomer centrifuge tubes for density gradients. Wallace H. Anal Biochem 32:334-9, Nov 69
Depletion of alveolar surface active material by transbronchial plasma irrigation of the lung. Levitsky S, et al. Ann Surg 173:107-15, Jan 71
Influence of incubation temperature and sodium heptadecyl sulfate (Tergitol No. 7) on the isolation of salmonellae from pork sausage. Morris GK, et al. Appl Microbiol 20:192-5, Aug 70
Oxygen poisoning in mice. Ultrastructural and surfactant studies during exposure and recovery. Adamson IY, et al. Arch Pathol 90:463-72, Nov 70
Extraction with Triton X-100 of active polysomes from monolayer cultures of embryonic muscle cells. Morse RK, et al. Biochim Biophys Acta 232:463-9, 11 Mar 71
Surfactant treatment of frozen sections: its use with modifications of the Bodian and of the Holmes method. Snodgress AB. Brain Res 24:113-9, 11 Nov 70
Laboratory and field studies in Iran on the addition of spreading agents to oil used in larviciding programmes. Sanai G, et al. Bull Soc Pathol Exot 63:725-32, Nov-Dec 70
The pulmonary surfactant system. Scarpelli EM. Clin Notes Resp Dis 9:3-15, Winter 70
Effect of temperature and triton X-100 on the activity of particulate neuraminidase from rabbit brain. Tettamanti G, et al. Enzymologia 39:65-71, 31 Jul 70
Clinical evaluation of new contact lens solution. Lewis EL. Eye Ear Nose Throat Mon 50:141-3, Apr 71
The use of Triton X-100 in the liquid scintillation counting of carbon-14 with particular reference to plasma and urine. Chapman DI, et al. Int J Appl Radiat Isot 22:371-7, Jun 71
Polyethoxylated nonionic surfactants in toluene for liquid scintillation counting of tritium in aqueous

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

samples. Lupica SB.
Int J Appl Radiat Isot 21:487-90, Aug 70
Liquid scintillation counting of 14CO2 in a toluene-triton X-100 system. Murray J.
Int J Appl Radiat Isot 22:209-12, Mar 71
Isolation, characterization, and surface chemistry of a surface-active fraction from dog lung. Frosolono MF, et al. J Lipid Res 11:439-57, Sep 70
Interaction of beef liver lipase with mixed micelles of tripalmitin and Triton X-100. Kaplan A, et al.
J Lipid Res 12:324-30, May 71
The temperature dependence of the critical micelle concentrations cationic surface-active agents. Adderson JE, et al.
J Pharm Pharmacol 23:311-2, Apr 71
Emulsion stabilization by non-ionic surfactants: experiment and theory. Florence AT, et al.
J Pharm Pharmacol 23:153-69 contd, Mar 71
Emulsion stabilization by non-ionic surfactants: experiment and theory. Florence AT, et al.
J Pharm Pharmacol 23:233-51 concl, Apr 71 (196 ref.)
The effect of a range of Triton non-ionic surfactants on rodent ovaries. Goldhammer H, et al.
J Pharm Pharmacol 22:668-71, Sep 70
Thermodynamics of micellization of some non-ionic surfactants in mixed solvents. McDonald C.
J Pharm Pharmacol 22:774-7, Oct 70
A phase-rule study of multiple-phase formation in a model emulsion system containing water, n-octanol, n-dodecane and a non-ionic surface-active agent at 10 and 25 degrees. Marland JS, et al.
J Pharm Pharmacol 23:561-72, Aug 71
The use of a bromide ion selective electrode for the measurement of counter-ion activity in cationic surfactant solutions. Pearson JT, et al.
J Pharm Pharmacol Suppl:126S+, Dec 70
Flocculation theory and polysorbate 80-sulfaguanidine suspensions. Ecanow B, et al.
J Pharm Sci 59:1848-9, Dec 70
Micellar solubilization of barbiturates. II. Solubilities of certain barbiturates in polyoxyethylene stearates of varying hydrophilic chain length. Gouda MW, et al.
J Pharm Sci 59:1402-5, Oct 70
Effect of micelle formation on optical rotatory dispersion of beta-D-octyl glucoside. Mukerjee P, et al. J Pharm Sci 59:1513-5, Oct 70
The preparation and evaluation of weting dentures for adhesion and retention. Gesser HD, et al.
J Prosthet Dent 25:236-43, Mar 71
The effect of Triton WR 1339 on the arterial intima of the rat. Still WJ. Lab Invest 24:373-82, May 71
Radiation damage to the surfactant system of the rabbit lung. Forsberg SA, et al.
Life Sci [II] 9:795-803, 22 Jul 70
Oxygen pollution: its effect on the ecology of lung cells. Rosan RTC, et al.
Maandschr Kindergeneeskd 39:143-61, Jul 71
Pulmonary surfactant. Morgan TE.
N Engl J Med 284:1185-93, 27 May 71 (106 ref.)
Decreased shock lethality in rats with surfactant-treated endotoxin. Filkins JP.
Proc Soc Exp Biol Med 136:466-8, Feb 71
Starvation of compliance and surfactant of the rat lung. Weiss HS, et al. Resp Physiol 12:123-9, Apr 71
Commercial fabric softeners for facilitating sectioning of refractory paraffin-embedded tissues. Diegenbach PC. Stain Technol 45:303-4, Nov 70
Pulmonary alveolar surfactant in irradiated lung of rat. Oikawa M. Tohoku J Exp Med 102:265-72, Nov 70
Use of triton X-100 for isolation of tobacco mosaic virus from some plants other than tobacco. Nozu Y, et al.
Virology 43:514-5, Feb 71
[Toxoplasma gondii complement fixation antigen prepared by means of tween-ether preparation] Pokorný J, et al.
Cesk Epidemiol Mikrobiol Imunol 20:73-4, Mar 71 (Cse)
[The presence of the "surfactant-system" in the lung as a condition for the repression of upper respiratory tract diseases. 3. Clinical material] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1533-8, 11 Sep 71 (Dut)
[Presence of the surfactant system in the lung as a condition for recovery from upper respiratory tract diseases. II. Origin of the surfactant system] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1494-7, 4 Sep 71 (Dut)
[Presence of the surfactant system in the lung as a condition for recovery from upper respiratory tract diseases. I. Introduction] Wildeboer-Venema FN.
Ned Tijdschr Geneeskd 115:1455-9, 28 Aug 71 (Dut)
[Analysis of fatty acids in the purified lipids of pulmonary surfactant] Pasquier C, et al.
Ann Biol Clin (Paris) 28:343-6, 1970 (Fre)
[Measurement of the hydrophilic-lipophilic balance of an emulsifying agent by a method based on phase inversion. The concept of "hydrophilic-lipophilic balance, inversion limit" and its applications] Bionchard P.
Ann Pharm Fr 28:553-60, Sep-Oct 70 (Fre)
[Tablets. I. Influence of granulometry and the presence of ether bound non-ionic surfactants on the quality of grains and tablets of sulfanilamide] Duchêne D, et al.
Ann Pharm Fr 27:309-22, Apr 69 (Fre)
[Fluid emulsions. 3. Influence of the chemical nature of emulsifying agents upon the critical HLB of a paraffin oil] Seilier M, et al.
Ann Pharm Fr 28:425-36, Jun 70 (Fre)
[Influence of tween 80R concentration on the particle dimension, rheologic properties and physical stability of chloramphenicol palmitate suspensions] Moës A.
J Pharm Belg 25:409-22, Sep-Oct 70 (Fre)
[Pulmonary surfactant: anti-atelectasis factor] Ouellet Y. Laval Med 41:627-30, May 70 (23 ref.) (Fre)
[Morphology of the pathological lung in the newborn] Regele H. Anaesthesist 20:259-61, Jul 71 (Ger)
[Bisolvon effect on surface active substances in the human lung] Benzer H, et al.
Dtsch Med J 20:352-5, 27 May 69 (Ger)
[Time-dependent behaviour of lung alveolar surfactant films] Schoedel W, et al.
Pfluegers Arch 322:336-46, 1971 (Ger)
[Determination of surface active properties of lung alveolar surfactants by a bubble method] Slama H, et al. Pfluegers Arch 322:355-63, 1971 (Ger)
[Significance of surface tension in cystic pulmonary diseases] Benzer H, et al.
Pneumonologie 143:127-30, 1970 (Ger)
[Solubility of some alkaloid bases under the effect of Tween 80] Küttel D.
Acta Pharm Hung 40:285-6, Nov 70 (Hun)
[Some problems of the formation of oil-water emulsion systems and their aging processes. II. Study of the aging process of model emulsions containing Tween-Span complex emulsifying agents] Pandula E, et al. Acta Pharm Hung 40:217-22, 1970 (Hun)
[The surfactant system and cardiopulmonary surgery] Condorelli S, et al.
Acta Chir Ital 26:443-57, Nov-Dec 70 (Ita)
[Some findings on pulmonary surfactant by biochemical study] Fujiwara T.
J Jap Med Assoc 66:1-15, 1 Jul 71 (33 ref.) (Jap)
[Pulmonary surfactant] Murakami K, et al.
J Jap Med Assoc 66:100-16, 1 Jul 71 (Jap)
[Spectral properties of supernatants obtained during centrifugation of chloroplasts treated with surface-active substances] Kochubef SM, et al.
Biofizika 14:628-33, Jul-Aug 69 (Rus)
[Spectral properties and photochemical activity of chloroplast fragments obtained with digitonin and Triton X-100] Ostrovskaia LK, et al.
Biofizika 14:265-75, Mar-Apr 69 (Rus)
[Photoactivity of chlorophyll in aqueous systems of surface-active agents] Serebrovskaia KB, et al.
Biofizika 15:973-6, Nov-Dec 70 (Rus)
[Use of polyvinyl alcohol and Tween-80 for preparation of the suspension of sulfadimethoxine (Madribon)] Kuprina NA, et al.
Farmatsiia 20:16-9, Mar-Apr 71 (Rus)
[Surface-active lining of the pulmonary alveoli] Tsarapkin NR.
Usp Sovrem Biol 71:272-91, Mar-Apr 71 (146 ref.) (Rus)
[Tween hydrolysis and tween opacity reactions in the identification and classification of mycobacteria] Atay N, et al.
Turk Hij Tecr Biyol Derg 29:227-34, 1969 (Tur)

ADMINISTRATION & DOSAGE

[Effect of propanidid on the isolated heart of warm-blooded animals] Dudziak R, et al.
Arzneim Forsch 20:1060-4, Aug 70 (Ger)
[The emulsifying properties of some surface-active agents acting as stabiliser for water-oil oinmment bases] Griadunova GP.
Farmatsiia 17:18-23, Jul-Aug 68 (Rus)

ADVERSE EFFECTS

[Contact allergy and toxic reactions to cationic compounds] Huriez C, et al.
G Ital Dermatol 44:464-7, Sep 69 (Fre)
[Adsorption of bath oils on the skin] Tronnier H.
Cosmetologica 19:151-7, 20 May 70 (Ger)

ANALYSIS

Determination of Tween 80 in tissue culture media, vaccines, and related products. Cucakovich NB.
Anal Biochem 40:183-6, Mar 71
A comparative study of lung compliance and pulmonary surfactant activity in human subjects. Thomas PA.
Ann Thorac Surg 11:133-9, Feb 71
Comparative lipid chemistry of lungs. Clements JA.
Arch Intern Med 127:387-9, Mar 71
Beagle dog pulmonary surfactant lipids. Lipid composition of pulmonary tissue, exfoliated lining cells and surfactant. Pfleger RC, et al.
Arch Intern Med 127:863-72, May 71
Physical and chemical characterization of pig lung surfactant lipoprotein. Pruitt KM, et al.
Arch Intern Med 127:390-4, Mar 71
The response of lung tissue and surfactant to nitrogen dioxide exposure. Williams RA, et al.
Arch Intern Med 128:101-8, Jul 71
'Alveolar' and whole lung phospholipids of premature newborn lambs. Correlations with surface tension, respiratory distress and pathology. Adams FH, et al.
Biol Neonate 17:198-218, 1971
The characterization of pulmonary surfactant lipoprotein. Cherng MJ, et al.
Chest 59:Suppl:6S, May 71
Mechanisms of damage to the lung surfactant system. Ultrastructure and quantitation of normal and in vitro inactivated lung surfactant. Balis JU, et al.
Exp Mol Pathol 14:243-62, Apr 71
The determination of polysorbate 60 in foods. Smullin CF, et al. J Am Oil Chem Soc 48:18-20, Jan 71
The pulmonary surfactant content of the inclusion bodies found within type II alveolar cells. Dermer GB.
J Ultrastruct Res 33:306-17, Nov 70
Effect of L-carnitine and its derivatives on pulmonary derivatives on pulmonary surface activity. Yoshikawa K, et al. Med J Osaka Univ 21:7-12, Dec 70
Effect of postganglionic parasympathetic blockade on pulmonary surfactant. Kirkland VL.
Proc Soc Exp Biol Med 136:1129-32, Apr 71
[Histiocytic cells of pulmonary alveoli: extracellular evolution of secretion, in vitro; biochemical comparison with the surfactant] Thomas JA, et al.
C R Acad Sci [D] (Paris) 271:2357-60, 21 Dec 70 (Fre)
[Clinical applications of microestimation of pulmonary surfactant] Nozaki M.
J Jap Med Assoc 66:98-9, 1 Jul 71 (Jap)
[Relationship between atelectasis and surfactants] Ogawa J. J Jap Med Assoc 66:85-93, 1 Jul 71 (Jap)
[Effects of inorganic salts on aqueous solutions of polyoxyethylenesorbitane oleate] Piotkowiak Z.
Acta Pol Pharm 28:35-41, 1971 (Pol)
[Methods of detecting surfactants in the lungs of mammals] Rusova TV. Arkh Patol 32:77-9, 1970 (Rus)
[Content of synthetic surface-active agents in water from various sources] Mozhaev EA.
Gig Sanit 35:105-6, Apr 70 (Rus)

BIOSYNTHESIS

Modification of pulmonary surfactant in the rat by vitamin A, pilocarpine and paraquat. Ivemark B, et al.
J Pathol 101:P13, Aug 70
[Determination and marking of surface-active lung lipoproteins] Iwainsky H, et al.
Acta Biol Med Ger 24:47-58, 1970 (Ger)
[Idiopathic respiratory distress syndrome in premature infants] Weisser K.
Anaesthesist 19:101-5, Mar 70 (Ger)
[Effects of Bromhexine on the phospholipid content of rabbit lungs] Wichert P von, et al.
Pneumonologie 144:323-7, 1971 (Ger)

CHEMICAL SYNTHESIS

[Synthesis and function of skin cleansing agents] Wolff G. Cosmetologica 19:323-8, 20 Sep 70 (Ger)

DIAGNOSTIC USE

[Diagnostic value of the so-called repeated wetting test in contact allergy to detergents] Szarmach H, et al.
Przegl Dermatol 58:21-7, Jan-Feb 71 (Pol)

ISOLATION & PURIFICATION

Significance of methods for isolation and characterization of pulmonary surfactants. Scarpelli EM, et al. Resp Physiol 12:179-98, Jun 71

METABOLISM

Editorial. Surfactant. Br J Anaesth 42:1027, Dec 70
Cerebral lysosomes. VI. The in vivo uptake of triton-WR-1339 by the lysosomes of the immature cerebral cortex and cerebellum. Sellinger OZ, et al.
Brain Res 26:361-73, 5 Mar 71
The Tween 80 hydrolyzing activity of certain species of Nocardia. Tanzil HO, et al. Tubercle 51:452-4, Dec 70
[Distribution of cationic surface active agents in mammals] Bogs U, et al.
Arch Toxikol 28:68-71, 1971 (Ger)
[Pathology related to pulmonary surfactant] Aihara K, et al. J Jap Med Assoc 66:30-52, 1 Jul 71 (78 ref.) (Jap)
[Metabolism of pulmonary surfactant] Ono K.
J Jap Med Assoc 66:15-25, 1 Jul 71 (20 ref.) (Jap)
[Pulmonary surface activity viewed from the standpoint of internal medicine: pulmonary surfactant and clinical observation in internal medicine] Yoshida S.
J Jap Med Assoc 66:58-66, 1 Jul 71 (Jap)

PHARMACODYNAMICS

Enhanced immunogenicity in mice of a purified, tween-ether-treated influenza vaccine. Fenters JD, et al. Appl Microbiol 20:544-50, Oct 70
Inactivation of influenza and other viruses by a mixture of virucidal compounds. Oxford JS, et al.
Appl Microbiol 21:606-10, Apr 71
Growth responses of Escherichia coli to the surfactant dodecyl benzene sulfonate. Pollack VA, et al.
Appl Microbiol 20:727-33, Nov 70
Activation of energy-linked K+ accumulation in

isolated heart mitochondria by non-ionic detergents. Brierley GP, et al.
Biochem Biophys Res Commun 43:50-7, 2 Apr 71
Total solubilization of erythrocyte membranes bo nonionic detergents. Miller DM.
Biochem Biophys Res Commun 40:716-22, 11 Aug 70
Studies on the mechanism of inhibition of the mitochondrial electron transport by antimycin. IV. Effect of surface-active agents on the antimycin-inhibition curve and availability of sulfhydryl groups of the heart muscle preparation. Bryla J, et al.
Biochim Biophys Acta 226:213-30, 2 Mar 71
Spectral and photochemical properties of subchromatophore fractions derived from carotenoid-deficient Chromatium by triton treatment. Ke B, et al.
Biochim Biophys Acta 226:341-53, 2 Mar 71
Effect of ionic head of cationic surface active agents on their hemolytic activity. Tomizawa M, et al.
Chem Pharm Bull (Tokyo) 18:2158-63, Nov 70
Effect of Triton X-100 on electrophoretic mobility of red blood cell ghosts from normal individuals and patients with Tay-Sachs disease. Pourfar M, et al. Clin Chem 17:332-4, Apr 71
Protection of Aerobacter aerogenes by nonionic detergents from freezing and thawing damage. Calcott PH, et al. Cryobiology 7:238-42, Nov-Dec 70
Mechanism of cholestasis. 3. Interaction of synthetic detergents with the microsomal cytochrome P-450 dependentbiotransformation system in vitro. A comparison between the effects of detergents, the effects of bile acids, and the findings in bile duct ligated rats. Denk H, et al.
Exp Mol Pathol 14:263-76, Apr 71
Effect of Tween 80 on alkaloid-producing cultures of Claviceps paspali. Reháček Z, et al.
Folia Microbiol (Praha) 16:110-3, 1971
Lysosomal changes and enhanced metastatic growth: an experimental study of the effects of some non-ionic surfactants. Carter RL, et al.
Int J Cancer 7:34-49, 15 Jan 71
Alterations in blood and milk lipids produced by administration of triton WR-1339. Wrenn TR, et al. J Dairy Sci 54:266-70, Feb 71
Mode of action of surfactants on mosqito pupae. Piper WD, et al. J Econ Entomol 64:601-6, Jun 71
An electron microscopic study of the effects of subtilisin and detergents on human stratum corneum. Loomans ME, et al. J Invest Dermatol 55:101-14, Aug 70
The dissociation of rat brain membranes bearing acetylcholinesterase by the non-ionic detergent triton x-100 and an examination of the product. Crone HD. J Neurochem 18:489-97, Mar 71
Application of the Ferguson principle to the antibacterial activity of mono- and multi-component solutions of quaternary ammonium surface-active agents. Laycock HH, et al.
J Pharm Pharmacol Suppl:157S+, Dec 70
Effects of a surface active contraceptive agent (nonylphenoxypolyethoxyethanol) on the vagina; a new functional approach to assessing the actions on the vagina of spermicides. Edwards F, et al.
J Physiol (Lond) 208:35P-36P, May 70
Effect of Tween 80 on strand breaks of Escherichia coli DNA irradiated in situ. Titani Y, et al.
J Radiat Res (Tokyo) 11:92-7, Jun 70
The physiology of synthetic blood. Clark LC Jr, et al. J Thorac Cardiovasc Surg 60:757-73, Dec 70
Action of Triton X-100 on lipids and proteolipids of nerve-ending membranes. Lapetina EG, et al.
Life Sci [II] 7:203-8, 15 Feb 68
Industrial skin cleaners. Hughes JG, et al.
Med J Aust 2:1021-4, 28 Nov 70
Effect of various agents in alleviating the toxicity of tannic acid for chickens. Rayudu GV, et al.
Poult Sci 49:1323-6, Sep 70
Effect of non-ionic surfactants on the stability and in-vitro availability of chloramphenicol in solution. Kassem MA, et al.
Pract Otorhinolaryngol (Basel) 26:359-61, Jun 71
Two-year feeding and reproduction study in rats with linear alkylbenzene sulfonate (LAS). Buehler EV, et al. Toxicol Appl Pharmacol 18:83-91, Jan 71
Effect of triton X-100 on the galactosyl transferase activity of chick embryo cells. Pradal MB, et al. Z Naturforsch [B] 26:625-6, Jun 71
[Action of DEAE-dextran and of WR 1339 triton on cells in culture infected with adenovirus 5] Chardonnet Y, et al. C R Soc Biol (Paris) 164:1542-8, 1970 (Fre)
[A comparison of the effects of pyridine- and piperidine-carboxylic acids on the fatty acid content of the serum of rats treated with Triton WR-1339] Freyss-Beguin M, et al.
Therapie 25:857-62, Sep-Oct 70 (Fre)
[Free and bound forms of the surfactant in an expectorant] Havez R.
Dtsch Med J 20:709-13, 5 Dec 69 (Ger)
[Morphologic examinations in the respiration-epithelium using Bisolvon] Merker HJ, et al. Dtsch Med J 20:288-90, 1969 (Ger)
[Introduction on the subject of Bisolvon and surfactant like activity] Renovanz HD.
Dtsch Med J 20:288-8, 1969 (Ger)
[Bisolvon-effect on the surface-active substance of the rat-lung] Rüfer R. Dtsch Med J 20:290-2, 1969 (Ger)
[Substrates of thylakoids from Rhodospirillum rubrum following treatment with the detergent Triton X-100] Biedermann M.
Hoppe Seylers Z Physiol Chem 352:567-74, Apr 71 (Ger)
[Demonstration of the antifungal effect of Stephalen washgel. Use for the support of antimycotic treatment and for infection prevention] Rieth H, et al.
Mykosen 12:511-2, 1 Aug 69 (Ger)
[Influence of some tension active agents on the gastrointestinal resorption of acetylsalicylic acid] Cid E, et al. Pharm Acta Helv 46:377-82, Jun 71 (Ger)
[Effects of osmotic shock and triton treatment on sorbose transport in Neurospora] Hack A, et al.
Z Naturforsch [B] 26:250-5, Mar 71 (Ger)
[Mode of action of ionic surface-active compounds in bacteria. II. Electron microscopic investigations on the influence of sodium lauryl sulfate (NaLS) on Mycobacterium smegmatis] Wahn K, et al.
Zentralbl Bakteriol [Orig] 216:370-97, 1971 (Ger)
[On the resistance of avian pseudoplague virus to some substances] Pagnini P, et al.
Acta Med Vet (Napoli) 15:571-93, Nov-Dec 69 (Ita)
[Phospholipids, cholesterol, Tween 80. Reciprocal effects on the inhibition or induction of cholesterol arteriopathy in rabbits] Weber G, et al.
Arch De Vecchi Anat Patol 54:611-35, Apr 69 (Ita)
[Study for the influence of the surfactants (the hair cosmetic chemists) on the eye. 1] Yoshihara M, et al.
Acta Soc Ophthalmol Jap 75:1196-202, Apr 71 (Jap)
[Studies on the anti-microbial activity of nonionic and anionic surfactants] Ishizeki C.
Bull Nati Inst Hyg Sci (Tokyo) 88:75-8, 1970 (Jap)
[The foam-inhibiting action of some individual organic compounds and their mixtures of alcoholic, acid and ester type during the biosynthesis of biovit in submerged cultures of Act. aureofaciens strain 2301] Ivanov StA, et al. Antibiotiki 16:254-8, Mar 71 (Rus)
[Fragmentation of the respiratory chain of Micrococcus lysodeikticus by detergents] Tikhonova GV, et al. Biokhimiia 35:1123-30, Nov-Dec 70 (Rus)
[Serotonin-forming capacity of nasal polyps. Effect of the chemical serotonin liberators--reserpine and substance 48-80--on the liberation and synthesis of serotonin in nasal polyps (in vitro)] Popova GN, et al.
Biull Eksp Biol Med 70:115-20, Nov 70 (Rus)
[Use of non-ionic surface-active agents and polyethylene oxide 400 as solvents for synthomycin, dibazol and furacilin] Dashevskaia BI, et al.
Farmatsiia 19:26-8, Nov-Dec 70 (Rus)
[Study of the solubilization of esential oils] Gluzman MKh, et al. Farmatsiia 17:11-8, Jul-Aug 68 (Rus)
[Effect of surface-active agents on the esterase activity of Mycobacterium album 726] Ksandopulo GB.
Izv Akad Nauk SSSR [Biol] 6:899-902, Nov-Dec 70 (Rus)
[Comparative study of some synthetic emulgators for preparation of drug emulsions. II] Vaĭsman GA, et al.
Farm Zh 25:53-6, 1970 (Ukr)
[Effect of phospholipase C and triton X-100 on the activity of enzymes in cellular structures of the skeletal muscles in rabbits] Ferdman DL, et al.
Ukr Biokhim Zh 42:411-6, 1970 (Ukr)

PHYSIOLOGY

Altered perfusion, ventilation, anesthesia and lung-surface forces in dogs. Woo SW, et al.
Anesthesiology 33:411-8, Oct 70
Demonstration of the significance of pulmonary surfactants at birth. Scarpelli EM, et al.
Resp Physiol 12:110-22, Apr 71
[Various surface chemical properties of pulmonary surfactant] Sawada H.
J Jap Med Assoc 66:25-30, 1 Jul 71 (Jap)

POISONING

[First aid directives following ingestion of cleaning agents and detergents] Gloxhuber C.
Z Allgemeinmed 47:168-72, 31 Jul 71 (Ger)

RADIATION EFFECTS

[Effect of irradiation on the surface active lung substance] Johansson JM, et al.
Nord Med 84:1308, 8 Oct 70 (Swe)

SECRETION

Ultrastructure and cytochemistry of Clara cells. Cutz E, et al. Am J Pathol 62:127-41, Jan 71
The secretion of pulmonary surfactant in the mouse: an investigation using radioactive palmitic acid. Conning DM, et al. J Pathol 103:piv-v, Feb 71

THERAPEUTIC USE

Growth inhibition of tumour implants by associated surface active agents. Altman RF, et al.
Br J Cancer 24:528-34, Sep 70
A comparative study of alevaire and a new mucolytic agent, acumist in postoperative patients. Polk JW, et al. Eye Ear Nose Throat Mon 49:321-4, Jul 70
The influence of an industrial surfactant Pluronic F-68, in the treatment of hemorrhagic shock. Hymes AC, et al. J Surg Res 11:191-7, Apr 71
Mechanism and prevention of inert gas narcosis and anaesthesia. Bennett PB, et al.
Nature (Lond) 228:1317-8, 26 Dec 70
Treatment studies of guinea pig inclusion conjunctivitis. Ostler HB, et al.
Rev Int Trach 45:361-73, 1968
[Clinical use of an antiseptic and soothing gargle with Eludril] Bourdial J, et al.
J Fr Otorhinolaryngol 18:557-9, Oct 69 (Fre)
[Use of surface-active agents in the prevention of experimental silicosis] Zajusz K, et al.
Z Gesamte Hyg 16:527-31, Jul 70 (Ger)
[Treatment of enterobiasis with piperazine and a surface-active agent] Borda CE, et al.
Prensa Med Argent 58:686-93, 1971 (Spa)

TOXICITY

Dangers of dioctyl sodium sulfosuccinate in mixtures. Godfrey H. JAMA 215:643, 25 Jan 71

SURFACE PROPERTIES (H)

Paraquat-induced derangement of pulmonary surfactant in the rat. Robertson B, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:37+, 1970
Microelectrophoretic studies on the surface chemistry of erythrocytes. Tenforde T.
Adv Biol Med Phys 13:43-105, 1970 (149 ref.)
Effect of the oral environment on the enamel surface. Manson-Hing LR, et al. Ala J Med Sci 7:283-7, Jul 70
Meniscus-induced thinning of tear films. McDonald JE, et al. Am J Ophthalmol 72:139-46, 30 Jul 71
Recent advances in ocular surface chemistry. Lemp MA, et al. Am J Optom 47:669-72, Sep 70
Wetting of contact lenses. Rankin BF, et al.
Am J Optom 47:698-702, Sep 70
The effects of adhesive systems on tooth surfaces. Newman GV, et al. Am J Orthod 59:67-75, Jan 71
Tensile strength of isobutyl cyanoacrylate tissue adhesive. Brownstein PK, et al.
Am Surg 37:316-8, Jun 71
Alveolar surface activity following mechanical endotracheal ventilation with high-density water mist. Toung JK, et al.
Anesth Analg (Cleve) 49:851-8, Nov-Dec 70
Altered perfusion, ventilation, anesthesia and lung-surface forces in dogs. Woo SW, et al.
Anesthesiology 33:411-8, Oct 70
Depletion of alveolar surface active material by transbronchial plasma irrigation of the lung. Levitsky S, et al. Ann Surg 173:107-15, Jan 71
The contribution of sialic acids to the surface charge of human tooth particles. Neiders ME, et al.
Arch Oral Biol 15:1015-24, Nov 70
Oxygen poisoning in mice. Ultrastructural and surfactant studies during exposure and recovery. Adamson IY, et al. Arch Pathol 90:463-72, Nov 70
Electropotentials of surgical specimens. Schauble MK, et al. Arch Pathol 90:411-5, Nov 70
Recent advances in dental cementing media. Griffith JR. Aust Dent J 15:288-93, Aug 70
Adherence-promoting antibodies. The investigation of physicochemical properties of mouse anti-VI antibodies providing immune fixation of antigen to macrophage surface. Levenson VI, et al.
Aust J Exp Biol Med Sci 48:417-27, Aug 70
The penetration of serum albumin into phospholipid monolayers of different fatty acid chain length and interfacial charge. Quinn P, et al.
Biochem J 119:21-5, Aug 70
Lipid monolayers. Interactions with staphylococcal alpha-toxin. Buckelew AR Jr, et al.
Biochim Biophys Acta 233:7-16, 9 Mar 71
A new technique for investigating lipid protein films. Fromherz P. Biochim Biophys Acta 225:382-7, 2 Feb 71
Nonthrombogenic surfaces: critical review. Salzman EW. Blood 38:509-23, Oct 71 (134 ref.)
Tissue reaction of rats and guinea-pigs to Co-Cr implants with different surface finishes. Murphy WM.
Br J Exp Pathol 52:353-9, Aug 71
Surface areas by gas adsorption on amorphous calcium phosphate and crystalline hydroxyapatite. Holmes JM, et al. Calcif Tissue Res 7:163-74, 1971
Studies on particle size problems. V. Surface area stabilities of micronized powders in relation to humidity and heat sterilization. Moller N, et al.
Dan Tidsskr Farm 44:301-10, 1970
Method to determine distribution and concentration of mercury in amalgam surfaces. Teixerira LC, et al.
Dent Dig 77:85, Feb 71
Methods available to improve the surface hardness and appearance of study models. Martin JH, et al.
Dent Pract Dent Rec 21:131-6, Dec 70
Aggregation and electrophoretic mobility studies on dissociated cells. II. Effects of ADP and ATP. Jones BM, et al. Exp Cell Res 63:301-8, Dec 70
Aggregation and electrophoretic mobility studies on dissociated cells. I. Effects of p-benzoquinone and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tannic acid. Kemp RB, et al.
Exp Cell Res 63:293-300, Dec 70
Some biophysical aspects of E-B virus adsorption to the surfaces of three types of mammalian cells. Weiss L, et al. Int J Cancer 7:149-59, 15 Jan 71
Method for finishing composite restorative materials. Chandler HH, et al. J Am Dent Assoc 83:344-8, Aug 71
Effects of various finishing devices on resin surfaces. Johnson LN, et al. J Am Dent Assoc 83:321-31, Aug 71
Printing of mercury distribution on the surface of dental amalgams. Teixeira LC, et al.
J Am Dent Assoc 81:1159-62, Nov 70
Surface characteristics of human articular cartilage--a scanning electron microscope study. Clarke IC. J Anat 108:23-30, Jan 71
Implantation of the rabbit blastocyst: the adhesive phase of implantation. Steer HW.
J Anat 109:215-27, Jul 71
Vertical gradient of transpulmonary pressure with active and artificial lung expansion. Agostoni E, et al.
J Appl Physiol 29:705-12, Nov 70
Surface forces and airway obstruction. Faridy EE, et al.
J Appl Physiol 30:319-21, Mar 71
Accelerated appearance of pulmonary surfactant in the fetal rabbit. Kotas RV, et al.
J Appl Physiol 30:358-61, Mar 71
Surface microstructural factors and the blood compatibility of a silicone rubber. Nyilas E, et al.
J Biomed Mater Res 4:369-431, Sep 70
Surgical implants. The role of surface porosity in fixation to bone and acrylic. Welsh RP, et al.
J Bone Joint Surg [Am] 53:963-77, Jul 71
The effect of high hydrostatic pressure on the mechanical properties of the surface of the sea-urchin egg. Wolpert L, et al. J Cell Sci 8:87-92, Jan 71
Enzymic activity and surface inactivation of phospholipase C at the water-air interface. Miller IR, et al. J Colloid Interface Sci 35:340-5, Feb 71
Epoxide resin interacting with tooth surface. Patrick RL, et al. J Colloid Interface Sci 35:179-80, Jan 71
Porosity in set dental amalgam. Lautenschlager EP, et al. J Dent Res 49:Suppl:1414-6, Nov-Dec 70
Phase identification and quantitative metallographic procedures for dental amalgams. Mateer RS, et al.
J Dent Res 50:551-8, May-Jun 71
Immunoglobulins on the surface of lymphocytes. I. Distribution and quantitation. Rabellino E, et al.
J Exp Med 133:156-67, 1 Jan 71
Cell surface associated gamma globulins in lymphocytes. I. Reverse immune cytoadherence: a technique for their detection in mouse and human lymphocytes. Paraskevas F, et al.
J Immunol 106:160-70, Jan 71
Properties of cholesteryl esters in pure and mixed monolayers. Kwong CN, et al.
J Lipid Res 12:31-5, Jan 71
The structures of turnip crinkle and tomato bushy stunt viruses. II. The surface structure: dimer clustering patterns. Finch JT, et al.
J Mol Biol 50:215-22, 14 Jun 70
Direct measurements of membrane unstirred layers. Green K, et al. J Physiol (Lond) 207:93-102, Mar 70
Surface characterization of the silicone rubber prosthesis. Bartlett SO, et al.
J Prosthet Dent 25:69-71, Jan 71
Clinical evaluation of corrosion resistance of conventional alloy, spherical-particle alloy, and dispersion-phase alloy. Duperon DF, et al.
J Prosthet Dent 25:650-6, Jun 71
Dimensional accuracy of pour acrylic resin and conventional processing of cold-curing acrylic resin bases. Goodkind RJ, et al.
J Prosthet Dent 24:662-8, Dec 70
Charge density change in the vitelline surface following fertilization of the rabbit egg. Cooper GW, et al. J Reprod Fertil 25:431-6, Jun 71
The morphology of acid mucosubstances in leukocytic sticking to endothelium in acute inflammation. Jones DB. Lab Invest 23:606-11, Dec 70
Identical cell surface characteristics in two differentiated populations of erythrocytes. Collins MF. Life Sci [II] 9:683-8, 22 Jun 70
A technique for the topographical survey of biological surfaces. Duncan JP, et al. Med Biol Eng 8:425-6, Jul 70
Thrombus formation on polymeric materials. V. Effect of interface on the formed elements. Kletschka HD, et al. Minn Med 54:759-63, Sep 71
Thrombus formation on polymeric materials. II. Blood compatible surfaces. Olsen DA, et al.
Minn Med 53:877-84, Aug 70 (82 ref.)
Thrombus formation on polymeric materials. IV. Behavior of blood proteins at interfaces. Olsen DA, et al. Minn Med 54:635-41, Aug 71
Restoration of normal growth by covering of agglutinin sites on tumour cell surface. Burger MM, et al.
Nature (Lond) 228:512-5, 7 Nov 70
Effect of cell surface antigen density on immunological enhancement. Linscott WD.
Nature (Lond) 228:824-7, 28 Nov 70
Cell surface charge increase by both tumor inhibitory and tumor growth promoting polyanions. Mehrishi JN.
Nature (Lond) 228:864-5, 24 Oct 70
Isolation of specific macromolecules required for adhesion of mouse tumour cells. Oppenheimer SB, et al. Nature (Lond) 232:125-7, 9 Jul 71
Water surface energy contribution to adherence of hydrophobic groups in relation to stability of protein conformations. Lewin S.
Nature [New Biol] 231:80-1, 19 May 71
Surface area measurements in compressed powder systems. Armstrong NA, et al.
Pharm Acta Helv 45:583-8, Sep 70
Hydrophobic areas on the active surface of cholinesterases. Kabachnik MI, et al.
Pharmacol Rev 22:355-88, Sep 70 (94 ref.)
Scattering and energy loss of 5-30 ke V electrons in thin films. Inada T, et al. Phys Med Biol 16:25-34, Jan 71
Expression of H-2 and Moloney leukemia virus-determined cell-surface antigens in synchronized cultures of a mouse cell line. Cikes M, et al. Proc Natl Acad Sci USA 68:566-9, Mar 71
Temperature-dependent surface changes in cells infected or transformed by a thermosensitive mutant of polyoma virus. Eckhart W, et al.
Proc Natl Acad Sci USA 68:283-6, Feb 71
Cyclic membrane changes in animal cells: transformed cells permanently display a surface architecture detected in normal cells only during mitosis. Fox TO, et al. Proc Natl Acad Sci USA 68:244-7, Jan 71
Topography of pleural surface pressure during simulation of gravity effect on abdomen. Agostoni E, et al. Resp Physiol 12:102-9, Apr 71
Partition of factors contributing to the vertical gradient of transpulmonary pressure. D'Angelo E, et al. Resp Physiol 12:90-101, Apr 71
Lymphocyte-platelet adherence in xenogeneic systems. Dimitriu A, et al.
Rev Eur Etud Clin Biol 16:173-4, Feb 71
Porosity of spherical amalgam. Hegdahl T, et al.
Scand J Dent Res 78:62-8, 1970
Distribution of porosity in spherical amalgam. Silness J, et al. Scand J Dent Res 78:69-76, 1970
Platelet surface interaction in suspensions of rabbit blood in ammonium oxalate. Grüner OP.
Scand J Haematol 7:274-8, 1970
Embryonic and neoplastic cell surfaces: availability of receptors for concanavalin A and wheat germ agglutinin. Moscona AA. Science 171:905-7, 5 Mar 71
Cell-surface changes after infection with oncogenic viruses: requirement for synthesis of host DNA. Sheppard JR, et al. Science 172:1345-6, 25 Jun 71
Pulmonary compliance: alteration during infection. Somerson NL, et al. Science 171:66-8, 8 Jan 71
The use of a chrome alum-gelatin (subbing) solution as a general adhesive for paraffin sections. Pappas PW. Stain Technol 46:121-4, May 71
Intercellular adhesions. An electron microscope study on freeze-etched rat hepatocytes. Spycher MA. Z Zellforsch Mikrosk Anat 111:64-74, 1970
[Properties of amalgam] Omloo WP.
Ned Tijdschr Tandheelkd 78:95-103, Mar 71 (Dut)
[Introduction to the technic of dental metallography] Charon LF. Acta Stomatol Belg 68:109-16, 1971 (Fre)
[Introduction to the study of electrokinetic phenomena. Applications to the blood suspension and to the study of the vascular system] Larcan A, et al.
Agressologie 11:317-25, 1970 (Fre)
[A method for studying enzyme reactions on an interface] Dervichian DG.
Biochimie 53:25-33, 1971 (Fre)
[Kinetics of the hydrolysis by a lipase of a glyceride displayed in monomolecular layer. I. Influence of enzyme concentration and of superficial substrate concentration] Olive J, et al.
Biochimie 53:207-13, 1971 (Fre)
[Importance of platelet charge in the maintenance of blood stability] Larcan A, et al.
C R Acad Sci [D] (Paris) 272:163-6, 4 Jan 71 (Fre)
[Ultrastructural changes of the surface of BHK 21-13 transformed cells, depending on adenine nucleotides] Torpier G, et al. Int J Cancer 6:529-35, 15 Nov 70 (Fre)
[Importance of the bacterial surface of pathogenic staphylococcus] Morin G.
Union Med Can 98:1482-7, Sep 69 (Fre)
[Survival time of bacteria on surfaces and possibilities of its modification. I. The effect of various light conditions and preceding disinfection using conventional materials] Gundermann KO, et al.
Arch Hyg Bakteriol 154:102-9, Oct 70 (Ger)
[Survival time of bacteria on surfaces and possibilities of its modification. II. The effect of various basic color substances and various color tones under different environmental conditions] Gundermann KO, et al.
Arch Hyg Bakteriol 154:110-4, Oct 70 (Ger)
[Electropotentials of tumors]
Dtsch Med Wochenschr 71:443, 5 Mar 71 (Ger)
[Film thickness of adhesive cements] Janke G.
Dtsch Zahnaerztl Z 25:1061-4, Nov 70 (Ger)
[Scanning electron microscopy--an improvement of the surface examination of solid objects: cartilage, bones and implants] Dahmen G.
Hippokrates 42:253-6, Jun 71 (Ger)
[Time-dependent behaviour of lung alveolar surfactant films] Schoedel W, et al.
Pfluegers Arch 322:336-46, 1971 (Ger)
[Determination of surface active properties of lung alveolar surfactants by a bubble method] Siama H, et al. Pfluegers Arch 322:355-63, 1971 (Ger)
[Assay of the alkali emission of medical glass by a surface method] Wolff A, et al.
Pharm Acta Helv 45:876-85, Nov 70 (Ger)
[Adhesion capacity of powders and their modification by highly dispersive silicic acid] Gstirner F, et al.
Pharmazie 25:541-4, Sep 70 (Ger)
[The surfactant system and cardiopulmonary surgery] Condorelli S, et al.
Acta Chir Ital 26:443-57, Nov-Dec 70 (Ita)
[Relationship between surface properties of lung washings and ventilatory functions of patients with pulmonary tuberculosis before and after the operation] Nozaki M, et al. Iryo 24:915-8, Nov 70 (Jap)
[Surgery and surface activities] Minami T.
J Jap Med Assoc 66:93-8, 1 Jul 71 (Jap)
[Changes in pulmonary surface tension in pulmonary diseases with respiratory tract obstruction] Yoshimura M, et al.
J Jap Med Assoc 66:66-70, 1 Jul 71 (Jap)
[Studies on the physicochemical properties of aluminum soaps. IX. Surface pressure and specific water evaporation resistance of monolayers of aluminum stearates] Nakagaki M, et al.
J Pharm Soc Jap 90:1088-94, Sep 70 (Jap)
[Changes in ultrastructure of thrombocytes in the process of their adhesive metamorphosis in hyperthrombopiastino- and thrombinemia] Gromnatskiĭ NI.
Probl Gematol Pereliv Krovi 15:35-7, Sep 70 (Rus)
[A study of water-repellent properties of some preparations used for covering fillings] Gorovoĭ Bla, et al. Stomatologiia (Mosk) 49:91-2, Jul-Aug 70 (Rus)

SURFACE TENSION (H)

A comparative study of lung compliance and pulmonary surfactant activity in human subjects. Thomas PA.
Ann Thorac Surg 11:133-9, Feb 71
Surface tension of cell types in differentiating CNS of chick. Maji S, et al. Experientia 27:159-60, 15 Feb 71
Characterization of tablet surfaces by their critical surface-tension values. Harder SW, et al.
J Pharm Sci 59:1787-92, Dec 70
The surface tension of saliva. Glantz PO.
Odontol Revy 21:119-27, 1970
Determination of alveolar surface area and tension from in situ pressure-volume data. Fisher MJ, et al.
Resp Physiol 10:159-71, Sep 70
Starvation of compliance and surfactant of the rat lung. Weiss HS, et al. Resp Physiol 12:123-9, Apr 71
[Pulmonary surfactants] Zapletal A.
Cesk Pediatr 25:489-93, Oct 70 (12 ref.) (Cze)
[Surface tension in the lung and its significance in the resuscitation of the newborn] Benzer H.
Anaesthesist 20:257-9, Jul 71 (Ger)
[Significance of surface tension in cystic pulmonary diseases] Benzer H, et al.
Pneumonologie 143:127-30, 1970 (Ger)
[Blood surface tension of the liquid-liquid phases measured by the droplet method] Bichoński R.
Przegl Lek 26:786-8, 1970 (Pol)
[Methods of detecting surfactants in the lungs of mammals] Rusova TV. Arkh Patol 32:77-9, 1970 (Rus)

INSTRUMENTATION

[Surface tension of the lungs] Vogel J, et al.
Z Erkr Atmungsorgane 133:272-84, Dec 70 (Ger)

SURGERY (E4, G2)

Presidential address: lance and liability. Wilson R.
Am Surg 36:583-90, Oct 70
Fundamental research and surgery. Larmi TK.
Ann Chir Gynaecol Fenn 59:113-4, 1970
The scope of paediatric surgery. Sulamaa M, et al.
Ann Chir Gynaecol Fenn 59:115-8, 1970
Laser surgical research. Goldman L.
Ann NY Acad Sci 168:649-63, 10 Feb 69
The department of surgical sciences. Brock.
Ann R Coll Surg Engl 47:344-50, Dec 70
Principles and scope of surgical research. Udupa KN.
Ann R Coll Surg Engl 48:170-80, Mar 71
The universality of surgery. Clagett OT.
Ann Surg 174:325-32, Aug 71
The contribution of surgeons to basic science: implications for medical education. Wilson H.
Ann Surg 173:623-7, May 71
Ping pong surgery. Bowers JZ.
Arch Surg 103:337-8, Sep 71
Adapt or perish. Hoerr SO. Arch Surg 103:103-7, Aug 71
Women in surgery. Nadelson CC.
Arch Surg 102:234-5, Mar 71
The future and scope of pediatric surgery.
Arch Surg 101:635-7, Nov 70
The arms of the colleges of surgeons. 3. Edinburgh, obstetricians and gynaecologists, South Africa, Canada, America. Jones PG.
Aust NZ J Surg 40:321-6, May 71
A surgeon's reflections. Br Med J 1:569, 13 Mar 71
Royal College of Surgeons Department of Surgical Sciences. Br Med J 2:218-9, 24 Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Surgeons as clinical pharmacologists. Eriksson E, et al. Bull Soc Int Chir 29:387-94, Nov-Dec 70
International medical congresses: opportunities, purposes and responsibilites. Wangensteen OH. Bull Soc Int Chir 29:395-402, Nov-Dec 70
Pediatric surgery in India. Some thoughts on its past, present and future. Gandhi RK. Indian Pediatr 7:365-7, Jul 70
Staff communications on the medical and surgical services: a research note. Stephens LC. J Health Soc Behav 8:148-53, Jun 67
Advances and future problems in surgery. Bernard HR. J Indiana State Med Assoc 63:1186-90, Oct 70
Surgery. Donald JW. J Med Assoc State Ala 40:228-9, Oct 70
Statute of limitations against physicians and surgeons for malpractice. Evans JD. J Med Assoc State Ala 40:374-5, Dec 70
Equality and excellence. Organ CH Jr. J Natl Med Assoc 62:347-9 passim, Sep 70
The changes in the name and status of The Board of Thoracic Surgery. Paulson DL. J Thorac Cardiovasc Surg 61:330-2, Feb 71
Elections to Council of the Royal College of Surgeons. Anscombe AR. Lancet 2:1133-4, 28 Nov 70
Prospects in surgical research. Dempster WJ. Lancet 2:1259-60, 12 Dec 70
Ambidexterity in surgeons. Oldfield RC. Lancet 1:655, 27 Mar 71
Electionto CUNCL OF THE Royal College of Surgeons. Roberts M. Lancet 2:1259, 12 Dec 70
University surgeon at work. Murray JE. N Engl J Med 283:1057, 5 Nov 70
The controlled clinical trial in surgery. Andersen B, et al. Scand J Gastroenterol 6:Suppl 9:23-9, 1971 (47 ref.)
No humbug. Dunphy JE. Surg Gynecol Obstet 133:291-2, Aug 71
Surgeon and anesthesiologist. Ebin J. Surg Gynecol Obstet 132:887-8, May 71
Anesthesiologist and surgeon. Hoerr SO. Surg Gynecol Obstet 133:290-1, Aug 71
Surgeon and anesthesiologist. Strauch GO. Surg Gynecol Obstet 133:476, Sep 71
University surgery and health care. Egdahl RH. Surgery 70:1-11, Jul 71
An approach to the evaluation of operative skills. Kopta JA. Surgery 70:297-303, Aug 71
Careers in pediatric surgery. Corylios E. Woman Physician 26:100-3, Feb 71
[Morals and responsibility of the surgeon] Gosset J. Med Leg Domm Corpor (Paris) 2:107-19, Apr-Jun 69 (Fre)
[Responsibility for the death of an operated patient placed in the care of an anesthestist alone. The Albertine Sarrazin case in appeal] Kornprobst L. Presse Med 79:1505-6, 3 Jul 71 (Fre)
[Surgery board versus resident medical studentship] Presse Med 79:1543-8, 10 Jul 71 (Fre)
[Agreements between surgery and anesthesiology specialties on the exact definition of duties and the cooperation in intensive medicine] Anaesthesist 19:487, Dec 70 (Ger)
[Activity report 1970-71 (of the Professional Society of the German Surgeons e.V] Brandis HJ von, et al. Chirurg 42:Suppl 4:25-32, Apr 71 (Ger)
[Defining the margins of surgery and urology] Dtsch Med Wochenschr 96:607-8, 2 Apr 71 (Ger)
[Importance of the 1969 social-political laws for the practice of an accident-surgeon] Hymmen R. Hefte Unfallheilkd 107:176-81, 1970 (Ger)
[85th meeting of the German Surgical Association 17-20 April 1968] Langenbecks Arch Chir 322:3-22, 1968 (Ger)
[A documentation system for surgical data using questionnaires and standardized operation reports] Thurmayr R. Methods Inf Med 9:218-24, Oct 70 (Ger)
[Limitation of the surgical specialties--urology] Munch Med Wochenschr 113:727, 30 Apr 71 (Ger)
[Surgery today and tomorrow] Kunz H. Wien Med Wochenschr 120:142-7, 28 Feb 70 (Ger)
[Interview with Peter Heimann] Solheim K. Tidsskr Nor Laegeforen 91:1563-6, 10 Aug 71 (Nor)
[A. I. Herzen in his relationship to surgery and surgeons (on the 100th anniversary of his death)] (Herzen AI), Bogolavlenskif AN, et al. Khirurgiia (Mosk) 46:135-6, Nov 70 (Rus)
[Static stress in the professional activity of the surgeon] Krechkovskif EA, et al. Klin Khir 11:18-21, Nov 70 (Rus)
[Work expenditure of interns and heads of surgical departments] Gorbunova NA. Sov Zdravookhr 29:19-24, 1970 (Rus)
[Deontology in surgery] Guliaev AV. Vestn Khir 103:3-9, Nov 69 (Rus)
[Results of the work of the editorial board of the journal Vestnik Khirurgii im. I. I. Grekova in 1970, and prospects of activity in 1971] Vestn Khir 106:3-8, Jan 71 (Rus)
[Past, present and future of surgery in mexico. The future] Quijano-Narezo M. Gac Med Mex 100:720-2, Jul 70 (Spa)
[Past, present and future of surgery in Mexico. I. Introduction] Quijano-Narezo M. Gac Med Mex 100:699-700, Jul 70 (Spa)
[The place of specialization in surgery] Brea MM. Medicina (B Aires) 30:409-15, Jul-Aug 70 (Spa)
[Specialist training in general surgery] Dahlgren S, et al. Lakartidningen 68:2896-9, 16 Jun 71 (Swe)

EDUCATION

The teaching of surgical judgment. Bartlett RM. Am J Surg 121:220-2, Mar 71
Surgical education with full-paying patients. Richards V. Am J Surg 121:217-9, Mar 71
Surgeon training in the United States of America. Edwards H. Ann R Coll Surg Engl 47:294-9, Nov 70
Points of view--surgeon training in the U.S.A. Edwards H. Ann R Coll Surg Engl 49:70-1, Jul 71
Surgical training. Kirk RM. Ann R Coll Surg Engl 48:306-12, May 71
Medical students and surgery. 1970. Funkenstein DH. Arch Surg 102:81-6, Jan 71
Surgery in the Veterans Administration. Wheeler HB, et al. Arch Surg 103:2-3, Jul 71
Surgical education in medical schools. Zeppa R, et al. Arch Surg 102:537-8, Jun 71
Graduate surgical training and affiliated hospitals. Arch Surg 103:350-1, Aug 71
Eta nova et vetera. (Gordon-Taylor G), Rank BK. Aust NZ J Surg 40:219-29, Feb 71
Assessment of a revised course in surgery. Buckley-Sharp MD, et al. Br J Med Educ 5:34-41, Mar 71
Training surgeons. Br Med J 2:543-4, 5 Jun 71
Basic (core) surgical education. Lipscomb PR. Clin Orthop 75:33-7, Mar-Apr 71
Progress in the science of adult education. King TC. J Neurosurg 34:Suppl:258-60, Feb 71
Skills learning. Pochyly DF. J Neurosurg 34:Suppl:369-73, Feb 71
The development of surgery in southern Africa. Du Plessis DJ. J R Coll Surg Edinb 16:213-8, Jul 71
Teaching and training for surgical practice in Zambia and the neighbouring countries. Loefler IJ. J R Coll Surg Edinb 16:219-25, Jul 71
Preparation of surgeons for academic responsibilities at home and abroad. Rhoads JE. J R Coll Surg Edinb 16:225-38, Jul 71
How can your department improve undergraduate education in surgery and its specialties? Polk HC Jr. J Surg Res 11:316-9, Jun 71
From whence to whither. Some reflections on surgical specialty training. Burford TH. J Thorac Cardiovasc Surg 62:167-75, Aug 71
Student opinion of multiple-choice examinations in surgery. Cox KR, et al. Med J Aust 1:976-8, 1 May 71
Tomorrow's surgeon: education, specialization and staffing structure. Wells C. Proc R Soc Med 64:761-6, Jul 71
Elective programs in undergraduate surgical education: a second look. Linn BS, et al. Surgery 70:175-81, Aug 71
Surgical education as a bridge between basic and clinical services. Peacock EE Jr. Surgery 68:741-4, Oct 70
[Outline of the radical operation for collum carcinoma and the qualities of the surgeon] Louros NC. Arch Gynaekol 211:313-5, 4 Jun 71 (Ger)
[Written examination in surgery. Conditions and deficiencies in setting up a catalogue of questions] Vogt-Moykopf I, et al. Bruns Beitr Klin Chir 218:308-14, Nov 70 (Ger)
[What are the most frequent errors of surgical assistants?] Geisthövel W. Chirurg 42:40-4, Jan 71 (Ger)
[Explanation of the graduate course in medicine and surgery in the United States. Interview granted to "Minerva Medica" by Professor J. A. DiDio] Carafa M. Minerva Med 62:Suppl 33:5-9, Apr 71 (Ita)
[Round-table discussion of the "the department of surgery"] Minerva Med 62:2319-37, 9 Jun 71 (Ita)
[Some considerations on conducting examinations in surgery by means of written tests] Berezov IuE, et al. Zdravookhr Ross Fed 14:20-4, Dec 70 (Rus)
[The teaching of surgery at the present time] Bravo JL. Gac Med Mex 100:707-15, Jul 70 (Spa)
[Oncological criterion in surgery. IV. Oncological criterion in the permanent education of the physician] Castelazo-Ayala L. Gac Med Mex 100:928-32, Sep 70 (Spa)
[Past, present and future of surgery in Mexico. Teaching of specialists and regulations of the specialties] Ortiz-Monasterio F. Gac Med Mex 100:716-20, Jul 70 (Spa)
[Oncological criterion in surgery. 3. Education of the oncological surgeon] Zalce H. Gac Med Mex 100:926-8, Sep 70 (Spa)
[Preproduced education material or education-TV-channel as an aid in future surgical education] Eriksson E, et al. Nord Med 84:1344, 15 Oct 70 (Swe)

HISTORY

Surgery of endometrial cancer in the Bonney tradition. (Bonney WF), Stallworthy JA. Ann R Coll Surg Engl 48:293-305, May 71
Halsted at Bellevue: 1883-1887. (Halsted WS), Dumont AE. Ann Surg 172:929-35, Dec 70
Sphere of influence: the surgeon in a developing country. Goulston E. Aust NZ J Surg 40:110-3, Nov 70
The arms of the colleges of surgeons. II. England, Ireland, physicians and surgeons of glasgow. Jones PG. Aust NZ J Surg 40:229-38, Feb 71
The arms of the colleges of surgeons. I. The arms and mace of the Royal Australasian College of Surgeons. Jones PG. Aust NZ J Surg 40:105-10, Nov 70
Columbia alumni serving as naval surgeons in the War of 1812. Cushman P Jr. Bull NY Acad Med 7:50-66, Jan 71
History of Canadian surgery. George Edgeworth Fenwick (1825-1894). (Fenwick GE), MacDermot HE. Can J Surg 11:1-4, Jan 68
Daniel Hale Williams: innovative surgeon, educator, and hospital administrator. (Williams DH), Beatty WK. Chest 60:175-82, Aug 71
A glance at the history of aural surgery. Eye Ear Nose Throat Mon 50:136-40, Apr 71
Surgery--ancient and modern. Pitt P. Guys Hosp Rep 120:47-55, 1971
Fifty years' observation of gastric surgery. (Strode JE), Strode JE. Hawaii Med J 30:15-9, Jan-Feb 71
The practice of medicine in Hawaii in June, 1916. (Strode JE), Strode JE. Hawaii Med J 30:23-6, Jan-Feb 71
My experience at Pearl Harbor at the time of the blitz, December 7, 1941. (Strode JE), Strode JE. Hawaii Med J 30:20-2, Jan-Feb 71
Ernst Georg Ferdinand von Küster (1839-1930). (Kuster EG von), Vaughan ED Jr. Invest Urol 8:583-4, Mar 71
J. Marion Sims (1813-1883) and the vesicovaginal fistula. (Sims JM), Gifford RR. J SC Med Assoc 67:271-5, Jun 71
Williams C. Cruikshank (1745-1800) surgeon of Leicester Square. (Cruikshank WC), JAMA 214:1110-2, 9 Nov 70
The story of the Manchester Surgical Society. Platt H. Manch Med Gaz 50:5-10, 1971
Past, present, and future of surgery and the conquest of cancer. Cole WH. Nebr State Med J 55:715-20, Dec 70
The unique friendship of Theodor Billroth and Johannes Brahms. (Billroth T), (Brahms J), Strohl EL. Proc Inst Med Chic 28:301, May 71
Reminiscences of forty-five years dealing with the biliary tract. (Glenn F), Glenn F. Rev Surg 27:383-93, Nov-Dec 70
Reminiscences--reflux esophagitis and hiatal hernia. Nissen R. Rev Surg 27:307-14, Sep-Oct 70
Francois Rabelais, renaissance physician. (Rabelais F), Jacobs LA. Surg Gynecol Obstet 132:1068-90, Jun 71
Thomas Blizard Curling--the man and the ulcer. (Curling TB), Lamb FS, et al. Surgery 69:848-9, Apr 71
Some guidelines for the advancement of surgery. Wangensteen OH. Surgery 68:928-30, Dec 70
The development of renal surgery. Riches E. Trans Med Soc Lond 86:193-214, 1970
Memoir of Moses Behrend. 1877-1969. (Behrend M), Gershon-Cohen J. Trans Stud Coll Physicians Phila 38:189-90, Jan 71
[70th birthday of Prof. Emerich Polák, M.D., Dr. Sc] (Polák E), Placák B. Cesk Gastroenterol Vyz 25:164-8, Jun 71 (Cze)
[René Leriche (1879-1955)] (Leriche R), Olivier C. Chirurgie 97:11-9, 13 Feb 71 (Fre)
[Dominique Larrey 1766-1842] (Larrey D), Soubiran A. Rev Chir Orthop 57:Suppl 1:11-3, 1971 (Fre)
[Biography of Guy de Chauliac] (Chauliac G de), Enselme J. Rev Lyon Med 17:689-96, 30 Nov 69 (Fre)
[In memory of Wolfgang Denk] (Denk W), Mayrhofer O. Anaesthesist 19:226, Jun 70 (Ger)
[Franz Leopold de Lafontaine (1756-1812) from Rorschach, a Swiss surgeon as doctoral candidate at Halle in 1791] (Lafontaine FL de), Kaiser W. Gesnerus 27:185-9, 1970 (Ger)
[Stamps on the history of surgery] Dietrich HH. Med Welt 15:621-4, 10 Apr 71 (Ger)
[Nobile officium] Eck H. Zentralbl Chir 96:593-7, 1 May 71 (Ger)
[6 decades of surgery at St. Georges hospital in Leipzig] Mättig H, et al. Zentralbl Chir 96:625-40, 8 May 71 (Ger)
[Surgical experiences and diagnosis in the late ages and early modern age, with special reference to the work of Paré] (Paré A), Regöly-Mérey G. Orv Hetil 112:91-4, 10 Jan 71 (Hun)
[On the approach to the prostatic-vesical segment (historic introduction)] Montorsi W, et al. Atti Accad Med Lomb 23:111-38, Apr-Jun 68 (Ita)
[Comments on hernia] Cuneo M. Minerva Chir 26:156-7, 15 Feb 71 (Ita)
[Consideration of the contribution of the Salerno school in the historical evolution of the protection and suturing of the perineum in childbirth] Aglialoro M. Minerva Ginecol 22:417-9, 15 Apr 70 (Ita)
[The contribution of the Salerno School to the historical evolution of protection and suturing of the perineum in labor] Aglialoro M. Minerva Med 61:5201-3, 14 Nov 70 (Ita)
[Old story concerning medical fees] (Brusick P), Chiaudano C. Minerva Med 62:2345-8, 9 Jun 71 (Ita)
[Ugo Stoppato, a true maestro of surgery] (Stoppato U), Greco T. Osp Ital Chir 22:265-70, May-Jun 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Anatomy and pathology of the eye and correction of strabismus in a paper by Prof. Francesco Rossi written almost a century and a half ago] (Rossi F), Bèttica-Giovannini R.
Riv Stor Med 13:185-99, Jul-Dec 69 (Ita)
[The stone operation and the spread of the Sectio Mariana in France during the Renaissance] Galdenzi A. Riv Stor Med 13:62-79, Jan-Jun 69 (Ita)
[My personal history and history of thoracic surgery in Japan] (Maeda W),
Jap J Thorac Surg 24:522-5, Jul 71 (Jap)
[Thoracic Surgery Clinic and its personnel at Zakopane] Szyszko S. Gruzlica 39:461-3, Jun 71 (Pol)
[Historical outline of thoracic surgery of Zakopane] Talewski R. Gruzlica 39:465-8, Jun 71 (Pol)
[Prof. Dr. Wladyslaw Dobrzaniecki: surgeon, researcher and pedagogue (1897-1941)] (Dobrzaniecki W), Cieszyński T.
Pol Przegl Chir 42:1471-8, Oct 70 (Pol)
[Practical surgery work by Rafal Józef Czerwiakowski] (Czerwiakowski RJ), Nowicki S.
Pol Przegl Chir 43:623-9, 1971 (Pol)
[Gesteira and Quintana. Devoted workers of the Health Service] (Gesteira M de A), (Quintana CM), Souza L de C. Rev Bras Med 27:332-8, Jun 70 (Por)
[Sergef Ivanovich Spasokukotskif] (Spasokukotskif SI), Guliaev AV.
Khirurgiia (Mosk) 46:3-8, Jun 70 (Rus)
[S.I. Spasokukotskif's role in the development of surgical asepsis] (Spasokukotskif SI), Kochergin IG.
Khirurgiia (Mosk) 46:8-12, Jun 70 (Rus)
[Scientific students' circle in S.I. Spasokukotskif's clinic (1925-1926)] (Spasokukotskif SI), Maksimov PM. Khirurgiia (Mosk) 46:14-6, Jun 70 (Rus)
[The significance of the workds of Ludwig Ridiger] (Ridiger L), Medelian AI.
Khirurgiia (Mosk) 47:151-3, Mar 71 (Rus)
[Ivan Fedorovich Bush (on the 200th anniversary of his birth)] (Bush IF), Okolov VL.
Khirurgiia (Mosk) 47:143-5, Feb 71 (Rus)
[Iogann Andreevich Mikulich, his life and accomplishments (on the 120th anniversary of his birth)] (Mikulich IA), Peĭsakh NA.
Khirurgiia (Mosk) 47:145-6, Feb 71 (Rus)
[International Society of Surgery and participation of Russian surgeons] Petrov BA, et al.
Khirurgiia (Mosk) 47:3-12, Jan 71 (Rus)
[S.I. Spasokukotskif in Saratov] (Spasokukotskif SI), Zakharova GN, et al.
Khirurgiia (Mosk) 46:12-4, Jun 70 (Rus)
[Development of surgery in the Ukrainian SSR] Bratus' VD. Klin Khir 4:1-7, Apr 70 (Rus)
[Problems in surgery in "Clinical Medicine"] Lidskif AT. Klin Med (Mosk) 48:177-83, Aug 70 (Rus)
[100th anniversary of the birth of academician S. I. Spasokukotskif] (Spasokukotskif SI), Grozdov DM.
Probl Gematol Pereliv Krovi 15:49-55, Dec 70 (Rus)
[Sergef Ivanovich Spasokukotskif (on the 100th anniversary of his birth)] (Spasokukotskif SI), Gorbatsevich LI, et al.
Vestn Khir 105:3-7, Sep 70 (Rus)
[Vasilif Aleksandrovich Ratimov (on the 120th anniversary of his birth)] (Ratimov VA), Mar'enko FS. Vestn Khir 106:131-2, Mar 71 (Rus)
[History of hemorrhoid surgery in the acute period] Mereminskif VA. Vestn Khir 106:134-6, Mar 71 (Rus)
[Aleksandr Alekseevich Abrazhanov (on the 100th anniversary of his birth)] (Abrazhanov AA), Sorkin IuE. Vestn Khir 103:135-6, Jun 69 (Rus)
[Kondratif Ivanovich Grum-Grzhimaflo--founder of surgery in Belorussia (on the 175th anniversary of his birth)] (Grum-Grzhimaflo KI), Stel'mashonok IM. Vestn Khir 106:132-4, Mar 71 (Rus)
[New memorial to N. I. Pirogov] (Pirogov NI), Milashkin AG. Voen Med Zh 7:90-1, Jul 70 (Rus)
[Reflections on current surgery] Gil Turner C. An R Acad Naci Med (Madr) 86:185-207, 1969 (Spa)
[Development of surgery in Mexico in the last 50 years] Bandera B. Gac Med Mex 100:700-7, Jul 70 (Spa)

MANPOWER

After fifty, what? Betts RH.
Ann Thorac Surg 10:477-8, Nov 70
Foreign medical graduates and surgery in the US. Arch Surg 102:532-3, May 71
Surgeons and technical skill. Whitehead JA.
Br Med J 2:526, 29 May 71
Nonphysician surgical assistants. Robinson GW.
Hospitals 45:76 passim, 1 Jun 71
Training programmes and the development of surgical and medical manpower in the USSR. Roudko VF.
J R Coll Surg Edinb 16:210-3, Jul 71
Tomorrow's surgeon: education, specialization and staffing structure. Wells C.
Proc R Soc Med 64:761-6, Jul 71

STANDARDS

[The science of surgeon's profession] Müller-Osten W.
Langenbecks Arch Chir 322:222-30, 1968 (Ger)

SURGERY, MILITARY see under MILITARY MEDICINE (G2)

SURGERY, MILITARY see under WOUNDS AND INJURIES (C14)

SURGERY, MINOR (E4)

The surgicenter approach to medicine. Lynch D.
Am Fam Physician 3:141-4, Jun 71
Ketamine as the sole anaesthetic agent for minor surgical procedures. Morgan M, et al.
Anaesthesia 26:158-9, Apr 71
Minor gynaecological outpatient operations. Wagmen H, et al. Br Med J 1:450-1, 20 Feb 71
Anesthesia for ambulatory surgery. Coakley CS, et al.
J Arkansas Med Soc 68:101-4, Aug 71
[The use of cortisone in minor surgery] Maurer G.
Hefte Unfallheilkd 99:122-8, 1969 (Ger)
[Experiences with Valium in minor surgery] Zehntner H, et al. Ther Ggw 110:515-24, Apr 71 (Ger)
[Anesthesia in the out-patient clinic. Medico-legal remarks and special problems in connection with other branches of surgery] Bellelli M, et al.
Clin Otorinolaringoiatr 20:596-611, Nov-Dec 68 (Ita)
["Minor" surgery and its economic effects] Lin'kov VS, et al. Klin Khir 8:67-70, Aug 70 (Rus)
[Use of proteolytic enzymes of animal origin in ambulatory surgery] Nagovitsyn ES, et al.
Vestn Khir 105:87-9, Nov 70 (Rus)
[Ob- servations carried out with propanidid in surgery of brief duration] Gonzalez Torres N, et al.
Prensa Med Argent 57:403-6, 24 Apr 70 (Spa)

SURGERY, OPERATIVE (E4)

see also related
OPERATING ROOMS (N2)
POSTOPERATIVE COMPLICATIONS (C17)

Preoperative prediction of the hypothalamic-adrenocortical response to major surgery in patients treated with glucocorticoids. Kehlet H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:160, 1971
Myocardial infarction complicating surgical operations. Endrey-Waider P, et al. Am Heart J 80:577-8, Oct 70
Effects of progesterone on changes in arterial pressure following operation. Burstyn PG, et al.
Am J Obstet Gynecol 110:994-6, 1 Aug 71
Modification of the operating microscope. Aquavella JV, et al. Am J Ophthalmol 70:636-7, Oct 70
Effect of bowel exposure on body temperature during surgical operations. Roe CF. Am J Surg 122:13-5, Jul 71
Computer analysis in surgical investigation facilitated by optically scanned input. Seropian R, et al.
Am J Surg 120:710-3, Dec 70
Plasma levels of antidiuretic hormone in man during methoxyflurane anaesthesia and surgery. Oyama T, et al. Anaesthesia 25:500-7, Oct 70
Outpatient pediatric anesthesiology: a case series. Ahlgren EW, et al.
Anesth Analg (Cleve) 50:402-8, May-Jun 71
Some controversial aspects of fluids for the anesthetized neonate. Bennett EJ, et al.
Anesth Analg (Cleve) 49:478-86, May-Jun 70
Prolonged anesthesia and surgery: an essay on a subjective experience. Dykes MH.
Anesth Analg (Cleve) 49:243-5, Mar-Apr 70
Anesthetic management of drug abusers. Giuffrida JG, et al. Anesth Analg (Cleve) 49:272-8, Mar-Apr 70
Fluid management of the pediatric surgical patient. Herbert WI, et al.
Anesth Analg (Cleve) 50:376-80, May-Jun 71
Plasma levels of ACTH and cortisol in man during halothane anesthesia and surgery. Oyama T, et al.
Anesth Analg (Cleve) 49:363-6, May-Jun 70
New trends in intraoperative blood replacement. Schorr JB, et al.
Anesth Analg (Cleve) 49:646-51, Jul-Aug 70
Acid-base response of the newborn to major surgery. Shepard FM, et al.
Anesth Analg (Cleve) 50:31-8, Jan-Feb 71
A negative-pressure tank-type respirator for the neonate. Shepard FM.
Anesth Analg (Cleve) 49:413-9, May-Jun 70
Anesthesia and memory processes. Cherkin A, et al.
Anesthesiology 34:469-74, May 71 (81 ref.)
The effects of anaesthesia and general surgery on geriatric patients. Brander P, et al.
Ann Chir Gynaecol Fenn 59:138-45, 1970
Intravenous fluid therapy in paediatrics. Bush GH.
Ann R Coll Surg Engl 48:40-1, Jan 71
Pre-operative investigation and management during surgery of patients with bleeding disorders. Dormandy KM. Ann R Coll Surg Engl 48:26-7, Jan 71
Intravenous therapy in surgical patients. Jenkins MT.
Ann R Coll Surg Engl 48:41-2, Jan 71
Endocrine aspects of the metabolic response to surgery. Johnston ID.
Ann R Coll Surg Engl 48:75, Feb 71
Control of infection after thoracic and cardiovascular surgery. Carey JS, et al. Ann Surg 172:916-26, Nov 70
A computer analysis of pulmonary function in surgical patients. Neely WA, et al.
Ann Thorac Surg 11:565-9, Jun 71
Aspects of operability. Donleben PG.
Arch Chir Neerl 22:265-8, 1970
Heat loss during neonatal operations. Tsingoglou S, et al. Arch Dis Child 46:452-6, Aug 71
Utilization of osmometry in critically ill surgical patients. Boyd DR, et al. Arch Surg 102:363-72, Apr 71
Changes in serum creatine phosphokinase activity following thoracic, cardiac, and abdominal operations. Dixon SH Jr, et al. Arch Surg 103:66-8, Jul 71
Mentally ill and mentally retarded patients. Special considerations in preoperative and postoperative care. Kuster G, et al. Arch Surg 102:175-7, Mar 71
The value of preoperative abdominal arteriography. Sibala JL, et al. Arch Surg 102:190-4, Mar 71
A surgical follow-up and home visit program. Spievack AR, et al. Arch Surg 102:119-21, Feb 71
Use of the ballistocardiogram to assess surgical risk. Fischer DC. Bibl Cardiol Suppl 27:21-4, 1971
Cardiac disease, anaesthesia and operation for non-cardiac conditions. Howat DD.
Br J Anaesth 43:288-96, Mar 71 (63 ref.)
Effects of spinal anaesthesia and surgery on carbohydrate and fat metabolism in man. Oyama T, et al. Br J Anaesth 42:723-9, Aug 70
Effects of halothane anaesthesia and surgery on human growth hormone and insulin levels in plasma. Oyama T, et al. Br J Anaesth 43:573-80, Jun 71
The levels of creatine-phosphokinase in the blood after operation. Clark RG, et al. Br J Surg 58:304-5, Apr 71
Nasal carriage of Staphylococcus aureus in a general surgical unit. Doig CM. Br J Surg 58:113-6, Feb 71
The effect of operation on the intestinal handling of water, sodium, and potassium. Grace RH, et al.
Br J Surg 57:862-3, Nov 70
The postoperative metabolism of fibrinogen: studies with 125I-labelled fibrinogen. Hickman JA, et al.
Br J Surg 57:862, Nov 70
The effect of surgical operation on thyroid activity. Kirby R, et al. Br J Surg 58:305, Apr 71
Cahanges in fibrinolytic activity in response to surgical trauma. Mansfield AO, et al. Br J Surg 57:861, Nov 70
The measurements of resting metabolic expenditure in surgical patients by means of a diaferometer. Tweedie DE, et al. Br J Surg 57:861, Nov 70
Combined surgical and medical treatment in geriatric surgery. Bross W, et al.
Bull Pol Med Sci Hist 14:31-4, Jan 71
Construction and use of a new portable, ring-stand, two-plane, low-dose, x-ray television unit for fracture surgery. Eriksson E.
Bull Soc Int Chir 30:8-11, Jan-Feb 71
New trends in arterial pressure monitoring of surgical patients. Zollinger RM Jr, et al.
Bull Soc Int Chir 26:546-53, Nov-Dec 67
Airway closure and lung volumes in surgical positions. Craig DB, et al. Can Anaesth Soc J 18:92-9, Jan 71
Effects of diethyl ether anaesthesia and surgery on carbohydrate and fat metabolism in man. Oyama T, et al. Can Anaesth Soc J 18:51-9, Jan 71
Plasma levels of antidiuretic hormone in man during diethyl ether anaesthesia and surgery. Oyama T, et al.
Can Anaesth Soc J 17:495-503, Sep 70
Plasma levels of cortisol in man during spinal anaesthesia and surgery. Oyama T, et al.
Can Anaesth Soc J 17:234-41, May 70
A study of intraoperative plasma expansion with a balanced electrolyte solution. Tweed WA, et al.
Can Anaesth Soc J 17:213-20, May 70
The significance of bilateral bundle branch block in the preoperative patient. A retrospective electrocardiographic and clinical study in 30 patients. Berg GR, et al. Chest 59:62-7, Jan 71
Regional anesthesia for surgery. Bonica JJ.
Clin Anesth 2:123-39, 1969
Regional anesthesia for surgery of the extremities. Bridenbaugh LD. Clin Anesth 2:193-215, 1969 (62 ref.)
A study of the metabolism of fibrinogen after surgical operations. Hickman JA. Clin Sci 41:141-52, Aug 71
Inhibitory effect of L-dihydroxyphenylalanine on the venous 17-hydroxycorticosteroid response to surgical stress in dogs. Van Loon GR, et al.
Endocrinology 88:1404-14, Jun 71
Nutrition in disease and stress. Balsley M, et al.
Geriatrics 26:87-93, Mar 71
Quick discharge possible for many surgical patients.
Geriatrics 25:21, Dec 70
The effect of anesthesia and surgery in pregnant rhesus monkeys. Misenhimer HR, et al.
Gynecol Invest 1:105-14, 1970
Duration of hospitalization prior to surgery. McCorkle LP. Health Serv Res 5:114-31, Summer 70
Results of penetrating keratoplasty with microsurgical technique: a review of 40 consecutive cases. Paton D.
Int Ophthalmol Clin 10:347-77, Summer 70
Microsurgery for keratoplasty: development and techniques. Troutman RC.
Int Ophthalmol Clin 10:297-311, Summer 70
Should anemia stop surgery? Gopalrao T.
Int Surg 55:250-5, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Motion picture photography in surgery using an overhead mirror. Lichtor J. Int Surg 55:42-4, Jan 71
Psychiatric sequelae to gynaecological operations. Steiner M, et al. Isr Ann Psychiatry 8:186-92, Jul 70
One-stage multiple surgical procedures in a 91-year-old male. Case TC. J Am Geriatr Soc 19:360-4, Apr 71
Carbohydrate metabolism in man: effect of elective operations and major injury. Long CL, et al. J Appl Physiol 31:110-6, Jul 71
Advances and future problems in surgery. Bernard HR. J Indiana State Med Assoc 63:1186-90, Oct 70
The impact of surgical diseases on an Appalachian community. Richardson JD, et al. J Ky Med Assoc 69:100-4, Feb 71
International abstracts of pediatric surgery. Gans SL. J Pediatr Surg 5:476-503, Aug 70
Recovery from surgery, with and without preparatory instruction, for three coping styles. Andrew JM. J Pers Soc Psychol 15:223-6, Jul 70
Microsurgical approach to cerebrospinal lesions. Krayenbühl H. J R Coll Surg Edinb 16:38-51, Jan 71
Operative blood loss estimation. A preliminary communication. Cox J, et al. J R Nav Med Serv 57:92-4, Summer 71
Parenteral hyperalimentation in complicated surgical problems. Owings JM, et al. J SC Med Assoc 67:121-3, Mar 71
Energy metabolism in surgical patients: oxygen consumption and blood flow. Gump FE, et al. J Surg Res 10:613-27, Dec 70 (86 ref.)
The effect of surgical operation on the velocity of venous return from the legs. Makin GS. J Surg Res 10:513-8, Nov 70
Urinary pseudouridine and uric acid excretion in surgical patients. Mitteiman A, et al. J Surg Res 11:1-5, Jan 71
Surgical hazards from a legal standpoint. Thomason J. J Tenn Med Assoc 63:843-5, Oct 70
Tympanic thermometry in surgery and anesthesia. Benzinger M. JAMA 209:1207-11, Aug 69
The use of facoor VIII and factor IX concentrates during surgery. George JN, et al. JAMA 214:1673-6, 30 Nov 70
Electrolyte solution in surgical patients refusing transfusion. Goliub S, et al. JAMA 215:2077-83, 29 Mar 71
Ambivalence. Stein L. JAMA 215:1670-1, 8 Mar 71
Surgery in Viet Nam. Thomas DE, et al. JAMA 215:295, 11 Jan 71
Factor VIII and factor IX concentrates in surgery in hemophilia. Wolman IJ. JAMA 215:1238, 23 Feb 71
Pharmacological stimulation of fibrinolytic activity in the surgical patient. Brown IK, et al. Lancet 1:774-6, 17 Apr 71
Surgery in the small hospital. Cox BS, et al. Lancet 1:1018-9, 15 May 71
Effect of small doses of heparin on platelet adhesiveness and lipoprotein-lipase activity before and after surgery. Negus D, et al. Lancet 1:1202-4, 12 Jun 71
Identification of patients for operation. Nicholas JW. Lancet 2:710-1, 25 Sep 71
Immunosuppressive effect of surgery. Park SK, et al. Lancet 1:53-5, 9 Jan 71
Team approach to early discharge and outpatient surgery. Ruckley CV, et al. Lancet 1:177-80, 23 Jan 71
Surgery in the small hospital. Shepherd J. Lancet 1:903-5, 1 May 71
Inclined oculars for microsurgery of larynx. DeLisa DA. Laryngoscope 80:1871, Dec 70
Comments on surgical services in the Beth Israel Medical Center-Gouverneur Affiliation. Trussell RE, et al. Med Care 8:523-5, Nov-Dec 70
Practical microsurgery. I. A choice of optical aids for fine work. Owen ER. Med J Aust 1:224-6, 30 Jan 71
Two minutes with diabetes. Whitehouse FW. Med Times 98:165-6, Nov 70
Past, present, and future of surgery and the conquest of cancer. II. The relationship of viruses to the etiologic agent of cancer in man. Cole WH. Nebr State Med J 56:13-6, Jan 71
Relationship of preoperative anxiety to perception of postoperative pain. Bruegel MA. Nurs Res 20:26-31, Jan-Feb 71
Evaluation of anxiety and fear in adult surgical patients. Graham LE, et al. Nurs Res 20:113-22, Mar-Apr 71
Cardiac arrest: contraindication for surgery? Elias EG, et al. NY State J Med 71:684-6, 15 Mar 71
Noncardiac surgery in cardiac patients. 2. Preoperative and operative management. Gazes PC. Postgrad Med 49:172-6, Mar 71
Noncardiac surgery in cardiac patients. 1. Preoperative evaluation. Gazes PC. Postgrad Med 49:170-5, Feb 71
Noncardiac surgery in cardiac patients. 3. Postoperative management. Gazes PC. Postgrad Med 49:184-7, Apr 71
Surgery in the elderly. Jegathesan S, et al. Postgrad Med 49:226-30, May 71
Surgery in the elderly. 1. Jegathesan S, et al. Postgrad Med 49:211-5, Apr 71
Advances in surgery. Duthie HL. Practitioner 205:422-32, Oct 70 (52 ref.)
Leukopoietic activity in human urine following operative procedures. Weiner HL, et al. Proc Soc Exp Biol Med 136:29-33, Jan 71
Informed consent. Hinck VC, et al. Radiology 97:688-9, Dec 70
Uropepsinogen reaction in surgical stress in terms of age. Groza P, et al. Rev Roum Physiol 6:203-6, 1969
Practical points in ophthalmic microsurgery. Drews RC. South Med J 64:956-60, Aug 71
The second edge of the sword. Stone HH. South Med J 64:472-4, Apr 71
Osmometry: a new bedside laboratory aid for the management of surgical patients. Boyd DR, et al. Surg Clin North Am 51:241-50, Feb 71
Advances in the management of surgical wounds. Ferguson DJ. Surg Clin North Am 51:49-59, Feb 71
Vitamin A deficiency and surgical stress. Freiman M, et al. Surg Forum 21:81-2, 1970
Postoperative positive nitrogen balance: effects on wound and plasma protein synthesis. Moss G, et al. Surg Forum 21:71-3, 1970
What is conservative treatment? Blakeley WR. Surg Gynecol Obstet 132:687-8, Apr 71
Total circulating albumin deficits occurring with extensive surgical procedures. Hoye RC, et al. Surg Gynecol Obstet 131:943-52, Nov 70
Studies on fluid shifts and water and sodium diuresis in the early postoperative phase. Luttwak EM, et al. Surg Gynecol Obstet 132:251-8, Feb 71
Fundamental requirements for the performance of extensive surgical procedures. Mahorner H. Surg Gynecol Obstet 132:114-5, Jan 71
The role of serial serum osmolality measurements in the management of the neonatal surgical patient. Rowe MI. Surg Gynecol Obstet 133:93-6, Jul 71
Loss of fluid and blood to the peritoneal cavity during abdominal surgery. Kragelund E. Surgery 69:284-7, Feb 71
Urinary excretion of constituents of acid mucopolysaccharides and other carbohydrate polymers in man following surgery. Rosenfeld L. Surgery 70:378-84, Sep 71
A new technique for gastrotomy. Waugh DE. Surgery 70:368-9, Sep 71
Effect of operation upon sodium metabolism and aldosterone secretion rate in children. Weldon VV, et al. Surgery 70:433-8, Sep 71
Coagulation testing in the surgical patient. Hill NO, et al. Tex Med 66:54-7, Dec 70
The ophthalmic contribution to microsurgery. Henderson PN. Trans Aust Coll Ophthalmol 1:126-7, 1969
Surgical operations in short-stay hospitals for discharged patients. United States-1965. Vital Health Stat 13:1-30, Apr 71
[Significance of respiratory function disorders for the operative risk and indication for surgery] Wiemers K. Z Allgemeinmed 47:933-6, Jun 71
[Significance of venous pressure determination in obstetrics and gynecology] Zemenová M, et al. Cesk Gynekol 35:419-22, Sep 70 (Cze)
[New surgical technics using lasers in experimental and clinical surgery] Náprstek Z, et al. Rozhl Chir 50:188-93, Apr 71 (Cze)
[Management of diabetic patients undergoing surgery] Seppälä PO. Duodecim 87:164-8, 1971 (Fin)
[Aspects of 35S-methionine metabolism during surgical stress] Szantay I, et al. Agressologie 11:389-94, 1970 (Fre)
[Surgery and hemorrhagic diathesis] Vignon H, et al. Agressologie 11:437-43, 1970 (Fre)
[Hypercapnia and methods of ventilation in the surgical patient] Choffat P, et al. Anesth Analg (Paris) 27:863-70, Sep-Oct 70 (Fre)
[Value of bloody and nonbloody pulsogram for control of peroperative analgesia] Otteni JC, et al. Anesth Analg (Paris) 28:93-100, Jan-Feb 71 (Fre)
[Utilization of an antibiotic semi-fatty dressing and an antibiotic and anti-inflammatory semi-fatty dressing in general surgery and current traumatology] Capuano G, et al. Ann Chir 25:575-83, Jun 71 (Fre)
[Surgery of lithiasis associated with chronic kidney failure] Camey M. Ann Urol (Paris) 3:25-33, Feb 69 (Fre)
[Surgical incisions and their repair] Baudelot S. Bull Mem Soc Chir Paris 59:230-30, 1969 (Fre)
[The risks of anticoagulant treatments] Pras. Cah Anesthesiol 19:225-7, Mar 71 (Fre)
[Disguised hemophilia in otorhinolaryngology] Guerrier Y, et al. J Fr Otorhinolaryngol 18:613-9, Nov 69 (Fre)
[Surgery in the aged] Braillon G. J Med Lyon 50:861-2 passim, 20 May 69 (Fre)
[Anesthesist-resuscitator and the asthmatic patient] Dechêne JP. Laval Med 41:1018-9, Oct 70 (Fre)
[The problem of respiratory insufficiency in surgery] Lépine C. Laval Med 41:1043-5, Oct 70 (Fre)
[Preparation of respiratory insufficiency patients for surgical intervention] Longtin L. Laval Med 41:1040-2, Oct 70 (Fre)
[Functional pulmonary exploration in surgery] Poisvert M, et al. Laval Med 42:274-7, Mar 71 (Fre)
[Weight variations of operated patients] Monsaingeon A. Lyon Chir 65:465-76, May-Jun 69 (Fre)
[Surgical risk] Van Geertruyden J. Lyon Chir 65:788-800, Sep-Oct 69 (Fre)
[Respiratory resuscitation in juvenile surgery] Saint-Martin J, et al. Maroc Med 50:562-6, Oct 70 (Fre)
[Value of the supervision of central venous pressure in general surgery] Gaudy JH. Presse Med 79:201-2, 27 Jan 71 (Fre)
[Consumption coagulopathy. Cause of abnormal bleeding during surgery] Dixneuf B. Rev Stomatol Chir Maxillofac 72:87-94, Jan-Feb 71 (Fre)
[Clinical and electrophysiologil studies on muscle relaxation with hexafluorenium and succinylcholine] Dick W, et al. Anaesthesist 18:326-30, Oct 69 (Ger)
[The general treatment of surgical patients] Foldes FF. Anaesthesist 20:121-6, Apr 71 (25 ref.) (Ger)
[Necessity of blood transfusion during surgery] Kleine JW, et al. Anaesthesist 20:73-6, Feb 71 (Ger)
[Conclusion to O. Schulte-Steinberg's comments on the article: "Digitalis application before, during and after surgical operations"] Meyer J. Anaesthesist 20:200-1, May 71 (Ger)
[Anesthesia for microlaryngoscopy and endolaryngeal microsurgery. II. Circulatory reflex changes and their modification by topical anesthetics] Weigand H. Anaesthesist 19:131-9, Apr 70 (Ger)
[Clinical and experimental results in the determination of the state of blood coagulation in orthopedic surgical operations] Ehricht HG. Beitr Orthop Traumatol 17:79-82, Jan 70 (Ger)
[Possibility of installing particle count equipment TuR ZG 1 for intra-operative blood loss determination] Scholbach M. Beitr Orthop Traumatol 17:194-7, Feb 70 (Ger)
[Further applications of operation microscopes] Draeger J. Ber Dtsch Ophthalmol Ges 70:89-93, 1970 (Ger)
[Results in geriatric surgery] Hartmann H, et al. Bruns Beitr Klin Chir 218:332-7, Nov 70 (Ger)
[Curare saving effect of the skeletal muscle relaxant Norflex in major surgery] Klüver KH. Chirurg 41:81-3, Feb 70 (Ger)
[Legal aspects of simultaneous surgical operations in diseases of various abdominal organs] Weissauer W. Chirurg 42:Suppl 5:33-7, May 71 (Ger)
[The composition of the serum free fatty acids as an indicator of sympatho-adrenal activity during anesthesia and surgery] Jage J, et al. Dtsch Gesundheitsw 26:488-92, 11 Mar 71 (Ger)
[Alcoholic delirium as complication of surgical diseases] Senst W, et al. Dtsch Gesundheitsw 26:591-5, 25 Mar 71 (Ger)
[Termination of pregnancy from the surgical viewpoint] Drews EF, et al. Med Klin 66:1-8, 1 Jan 71 (87 ref.) (Ger)
[Authority to consent to medical intervention on children] Uhlenbruck W. Med Klin 65:414-6, 27 Feb 70 (Ger)
[Clinical experiences with the broad spectrum antibiotic Vibramycin in surgical patients] Bünte H, et al. Med Monatsschr 24:512-4, Nov 70 (Ger)
[Modern intensive treatment in surgery] Dohmen M. Med Welt 51:2171-3, 26 Dec 70 (Ger)
[Homologous antibody therapy in surgical patients] Dreischulte B, et al. Med Welt 35:1320-2, 28 Aug 71 (Ger)
[Problems of pain control in choldhood from the surgical viewpoint] Hauptmann A, et al. Med Welt 35:1506-8, 29 Aug 70 (Ger)
[Some diagnostic and therapeutic indications for general practitioners from the standpoint of surgery] Lenggenhager K. Praxis 59:478-83, 31 Mar 70 (Ger)
[Minor anastomoses] Ther Umsch 27:256-7, Apr 70 (Ger)
[Water-electrolyte metabolism disorders from the surgeon's viewpoint] Lindenschmidt TO. Wien Klin Wochenschr 83:557-61, 6 Aug 71 (Ger)
[Experimental surgery using hyperbaric oxygen] Friehs G. Wien Med Wochenschr 121:334-9, 17 Apr 71 (Ger)
[Four and a half years of microlaryngoscopy and endolaryngeal microsurgery at the Vienna ORL Clinic] Glaninger J. Wien Med Wochenschr 120:69-74, 31 Jan 70 (Ger)
[Geriatric surgery in a district hospital] Dietrich HH. Z Allgemeinmed 46:1017-20, 20 Jul 70 (Ger)
[Surgery in infants and small children] Geistbövel W. Z Allgemeinmed 46:1694-704, 10 Dec 70 (Ger)
[Operative risk as one of the determining factors in indication for surgery] Staib I. Z Allgemeinmed 47:931-2, Jun 71 (Ger)
[Surgery capacity and surgery indication in old age] Schröder H. Z Alternsforsch 23:123-9, 1970 (Ger)
[Surgery and pre-existing organic lesions] Esser G. Z Geburtshilfe Gynaekol 173:153-9, 1970 (Ger)
[Hospitalism] Wolf W. Zentralbl Chir 95:803-4, 4 Jul 70 (Ger)
[Indications for transfusion of whole blood, packed erythrocytes and plasma in surgery] Wolf W. Zentralbl Chir 95:337-43, 14 Mar 70 (Ger)
[Pre- and post-operative treatment of vasculopathic and aged patients: our experience with xanthinol nicotinate (Complamin)] Grugni P, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Acta Anaesthesiol (Padova) 21:217-23, Mar-Apr 70 (Ita)
[Influence of the type of ventilation on the phenomena of pulmonary de-aeration during operations in the lateral decubitus position. (Clinico-radiological and blood gas analytical observations)] Meletti M, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:1-26, 1969 (Ita)
[Notes on water-electrolyte balance restoration in infantile surgery] Vetrò A, et al.
Acta Anaesthesiol (Padova) 20:1083-7, Nov-Dec 69 (Ita)
[Technical methods in microsurgical interventions of the trabecula] D'Ermò F, et al.
Ann Ottalmol Clin Ocul 96:271-81, Jun 70 (Ita)
[Antibiotic resistance of staphylococci isolated from a surgical environment] Cucchi L, et al.
Biol Lat 22:51-8, Jan-Mar 70 (Ita)
[Surgery in olage. Observations on 4244 operations] Gennari R, et al. Chir Patol Sper 17:119-32, Jun 69 (Ita)
[The hypertensive patient as an anesthesiological problem] Valenti F, et al.
Friuli Med 24:553-64, Sep-Oct 69 (Ita)
[Oral and general surgery in hemophiliacs] Dioguardi N, et al. Haematol Lat 12:557-66, Jul-Dec 69 (Ita)
[Surgery in the hemophiliac. 10 years study] Gobbi F.
Haematol Lat 12:663-5, Jul-Dec 69 (Ita)
[Diseases associated with hiatal hernia and their surgical importance in the aged] Masera N, et al.
Minerva Chir 25:1324-81, 31 Oct 70 (Ita)
[Round-table discussion of the "the department of surgery"] Minerva Med 62:2319-37, 9 Jun 71 (Ita)
[Retrogasserian subtemporal intradural neurotomy by means of microsurgery] Davini V.
Minerva Neurochir 14:236-7, Apr-Sep 70 (Ita)
[Dexamethazone-21-phosphate in pediatric surgery. (Clinical experimentation)] Domini R, et al.
Minerva Pediatr 21:2227-39, 24 Nov 69 (Ita)
[Physiopathology and biochemistry in treatment of the surgical patient] Drago G.
Osp Ital Chir 21:61-6, Jul 69 (Ita)
[Physiopathology and biochemistry in treatment of the surgical patient] Drago G.
Osp Ital Chir 20:307-13, Mar 69 (Ita)
[Surgery in hemophilia]
Policlinico [Prat] 76:1429-33, 3 Nov 69 (Ita)
[Gastrointestinal bleeding and surgical intervention on maintenance hemodialysis] Kurita T, et al.
Acta Urol Jap 17:369-75, Jun 71 (Jap)
[Plasma levels of ACTH and cortisol in man during anesthesia and surgery] Oyama T.
Folia Endocrinol Jap 46:980-1, 20 Dec 70 (Jap)
[Ocular surgery under the microscope] Hayashi F.
Folia Ophthalmol Jap 21:741-51, Nov 70 (Jap)
[Surgery and surface activities] Minami T.
J Jap Med Assoc 66:93-8, 1 Jul 71 (Jap)
[Effect of ether, thiopental anesthesia and surgical stress on plasma TSH] Matsuki A, et al.
Jap J Anesthesiol 20:632-8, Jul 71 (Jap)
[Effects of halothane anesthesia and surgical stress on plasma ADH levels] Sato K.
Jap J Anesthesiol 20:418-32, May 71 (Jap)
[Effects of thiopental-nitrous oxide anesthesia and surgical stress on plasma human growth hormone and insulin levels] Takiguchi M, et al.
Jap J Anesthesiol 19:1444-8, Dec 70 (Jap)
[Effect of droperidol-pentazocine-nitrous oxide anesthesia and surgical stress on the levels of HGH and insulin in the blood] Takiguchi M, et al.
Jap J Anesthesiol 20:227-34, Mar 71 (Jap)
[What preparations are necessary for microsurgery?] Kogure F.
Ophthalmology (Tokyo) 13:47-54, Jan 71 (Jap)
[Microsurgery and its application in surgery of glaucoma] Kozaki H.
Ophthalmology (Tokyo) 13:73-81, Jan 71 (Jap)
[Present problems in microsurgery, with special reference to the performance of microscopes] Nagata M. Ophthalmology (Tokyo) 13:40-6, Jan 71 (Jap)
[Intra-ocular microsurgery] Okuda K, et al.
Ophthalmology (Tokyo) 13:82-8, Jan 71 (Jap)
[Keratoplasty under the microscope] Sakaue E.
Ophthalmology (Tokyo) 13:55-62, Jan 71 (Jap)
[Preoperative sleep disturbance] Onji Y, et al.
Saishin Igaku 26:112-4, Jan 71 (Jap)
[Small size ultrasonic Doppler apparatus for fetal diagnosis and efficiency of the ultrasonic machine for pre-operative hand-washing] Murooka H, et al.
Sanfujinka Jissai 19:1095-100, Nov 70 (Jap)
[Surgery and infusion fluids] Takamizawa Y, et al.
Sanfujinka Jissai 20:878-88, Jun 71 (Jap)
[Emergency surgery for diabetic patients] Akagi M.
Shujutsu 25:725-32, Jun 71 (Jap)
[Surgery and the heart] Kimura E, et al.
Shujutsu 25:281-90, Feb 71 (Jap)
[Diabetes mellitus and surgery--statistical review of autopsy and clinical cases] Mimura T, et al.
Shujutsu 25:743-9, Jun 71 (Jap)
[Effect of methoxyflurane anesthesia and surgical stress on the concentration of plasma antidiuretic hormone (ADH)] Sato K, et al.
Shujutsu 25:626-33, May 71 (Jap)
[Pre- and post-surgical management of diabetic patient] Tamakuma S, et al.
Shujutsu 25:733-42, Jun 71 (Jap)
[Evaluation of preoperative hand cleaning with special reference to the effect of the ultrasonic hand scrubbing equipment] Yoshiyama T.
Shujutsu 25:236-47, Feb 71 (Jap)
[9 surgical cases under hyperbaric oxygenation] Kuyama T. Surg Ther (Osaka) 24:109-14, Jan 71 (Jap)
[Effect of neuroleptanesthesia and surgical stress on the concentration of growth hormone and insulin in the human blood] Takiguchi M, et al.
Surg Ther (Osaka) 24:577-84, May 71 (Jap)
[Present and future of asepsis in surgery] Watanabe S, et al. Surg Ther (Osaka) 23:663-7, Dec 70 (Jap)
[Should antihypertensive drugs be discontinued before surgery?] Stenbaek O.
Tidsskr Nor Laegeforen 91:735-7, 10 Apr 71 (Nor)
[Side effects of antibiotics in surgery] Szczawiński A, et al. J Hyg (Camb) 68:1722-8, Dec 70 (21 ref.) (Pol)
[Results of resuscitation carried out in a Department of Surgery] Lewandowski J, et al.
Pol Przegl Chir 43:713-8, May 71 (Pol)
[Diabetes in surgical patients] Nowosielecka-Derus E, et al. Pol Przegl Chir 43:741-6, May 71 (Pol)
[Experimental studies on the transfusion of blood stored at low temperatures. 3. Transfusion of blood preserved at low temperatures in extensive surgical procedures] Rudowski W, et al.
Pol Przegl Chir 42:1173-9, Aug 70 (Pol)
[Preparation of diabetic patients for surgery] Sadliński C, et al. Pol Przegl Chir 42:1647-52, Nov 70 (Pol)
[Diabetes in surgical patients] Wiśniewski J, et al.
Pol Przegl Chir 42:1277-81, Sep 70 (Pol)
[Present-day possibilities of surgical treatment of atients suffering from hemophilia A] Ziemski JM.
Pol Przegl Chir 43:677-9, May 71 (Pol)
[Intra- and postoperative course in patients with coexistent cardiovascular diseases]
Jacyna-Onyszkiewicz T, et al.
Pol Tyg Lek 26:674-6, 3 May 71 (Pol)
[The behavior of girls before operations] Kozlowska I.
Pol Tyg Lek 25:1712-4, 9 Nov 70 (Pol)
[On the duty and method of control examinations for threatening diabetes before and after surgical operations] Grott JW.
Wiad Lek 23:1673-8, 1 Oct 70 (Pol)
[Use of AGP thread in pediatric surgery (observations in 106 patients)] Lopes JA.
Rev Bras Med 26:624-9, Oct 69 (Por)
[Choice of method of anesthesia in surgery in hospitals aboard merchant vessels on long cruises]
Kalinichenko NI, et al.
Eksp Khir Anesteziol 15:73-6, Jul-Aug 70 (Rus)
[Changes in the blood level of ceruloplasmin following surgery under endotracheal anesthesia] Kamaev MF.
Eksp Khir Anesteziol 15:81-2, Nov-Dec 70 (Rus)
[The hemodynamic characteristics of the immediate postoperative period] Shalimov AA, et al.
Kardiologiia 10:81-8, Jun 70 (Rus)
[Antimicrobial gauze surgical mask] Ashatkin VA.
Khirurgiia (Mosk) 47:89-92, Jan 71 (Rus)
[Healing of surgical wounds in the population of the Northern Pechora during the period of acclimatization] Balaian RA.
Khirurgiia (Mosk) 22:114-6, Apr 69 (Rus)
[Functional state of the adrenal cortex during anesthesia and surgery (review of the literature)] Evnina II, et al.
Khirurgiia (Mosk) 46:124-8, Nov 70 (81 ref.) (Rus)
[Disinfectants in clinical surgery] Gadzhiev SA, et al.
Khirurgiia (Mosk) 47:92-5, Jan 71 (Rus)
[Control of the degree of muscle relaxation] Gigauri VS, et al. Khirurgiia (Mosk) 47:101-4, Mar 71 (Rus)
[Clinical physiology in contemporary surgery]
Struchkov VI.
Khirurgiia (Mosk) 46:87-90, Aug 70 (Rus)
[Blood gases and acid-base equilibrium in connection with surgery and anesthesia] Svadzhian EP.
Khirurgiia (Mosk) 22:108-14, Apr 69 (Rus)
[Preoperative preparation of the surgeon's hands and surgical field] Zhitniuk ID, et al.
Khirurgiia (Mosk) 47:86-8, Jan 71 (Rus)
[Problem of allergic reactivity in surgery] Ado AD, et al. Klin Khir 10:1-8, Oct 69 (52 ref.) (Rus)
[Allergic reactivity in surgery] Ado AD, et al.
Klin Khir 9:1-7, Sep 69 (Rus)
[Paths of development of the Specialized Surgical Service in the Ukranian SSR] Bratus' VD, et al.
Klin Khir 4:1-6, 1971 (Rus)
[Adrenergic receptor block and several possibilities of its use in the surgical clinic (review of the literature)] Pekarskiĭ DE. Klin Khir 9:80-6, Sep 70 (145 ref.) (Rus)
[Effect of anesthesia and surgery on kidney function in middle-aged and aged persons] Terekhov NT, et al.
Klin Khir 6:40-5, Jun 70 (Rus)
[Certain deontological problems in surgery]
Verkhratskiĭ SA. Klin Khir 9:74-8, Sep 69 (Rus)
[Calculating and recording device for numerical indication of the parameters of the cardiovascular system in surgical patients] Firsova GS, et al.
Nov Med Priborostr 1:95-102, 1967 (Rus)
[Erythrocyte survival in blood reinfusion at the time of surgery] Zhuraviev IuN, et al.
Probl Gematol Pereliv Krovi 15:13-5, Jul 70 (Rus)
[Use of methods of the theory of mass care in the optimal organization of work of medical personnel at admission departments of surgical hospitals] Korop AF. Sov Zdravookhr 30:18-23, 1971 (Rus)
[Principles of therapy of diabetes mellitus in surgical patients] Popov SE, et al.
Ter Arkh 42:7-13, Jul 70 (78 ref.) (Rus)
[Changes in external gas metabolism in patients in relation to awaiting surgical operation] Akhundov AA. Vestn Khir 103:125-6, Nov 69 (Rus)
[Blood anticoagulation system in middle-aged and elderly persons and its changes in surgery] Bychikhin NP. Vestn Khir 103:19-21, Aug 69 (Rus)
[Hopes, joys and disappointments of surgeons in connection with the development of the blood coagulation problem] Filatov AN.
Vestn Khir 103:3-10, Aug 69 (Rus)
[Use of albumin in surgery] Guseinov ChS, et al.
Vestn Khir 105:82-7, Nov 70 (Rus)
[Rotilan anaesthesia in surgery in children] Kushch NL, et al. Vestn Khir 103:97-9, Jun 69 (Rus)
[Central venous pressure in surgical patients]
Linkberg AIa, et al. Vestn Khir 105:22-4, Sep 70 (Rus)
[Quantitative characteristics of staphylococcal carrier state in surgical patients] Ostroumov PB, et al.
Vestn Khir 106:3-7, Mar 71 (Rus)
[Basis for the use of methyluracil and pentoxyl in surgery] Rusakov VI.
Vestn Khir 106:9-13, Mar 71 (Rus)
[Microsurgery of the ear in otosclerosis] Arustamov GA. Voen Med Zh 11:60-1, Nov 70 (Rus)
[Accelerated sterilization of surgical materials, and disinfection of the surgeon's hands and the surgical field] Zhitniuk ID, et al.
Voen Med Zh 10:75-7, Oct 70 (Rus)
[Endonasal microsurgery] Prades J.
Acta Otorinolaryngol Iber Am 21:184-92, 1970 (Spa)
[Hemorrhage and hemostasis in routine surgery] Benítez Soto L. Cir Cir 38:387-409, Jul-Aug 70 (Spa)
[Indications and management of intensive therapy in the surgical patient. VII. Summary and conclusions] Mateos-Fournier M.
Gac Med Mex 100:515-7, May 70 (Spa)
[Surgical responses in major surgery of the aged. Our experience] Cristiani G, et al.
Prensa Med Argent 57:365-6, Apr 70 (Spa)
[Our clinical experience with Hemoce] Martínez Trens M. Rev Esp Anestesiol Reanim 18:126-8, Jan 71 (Spa)
[Indications for plasma expanders during surgery] Pons Mayoral J.
Rev Esp Anestesiol Reanim 17:334-52, Apr 70 (Spa)
[Use in daily practice of a new gelatin derivative: Hemoce] Quirós Palau ML.
Rev Esp Anestesiol Reanim 18:134-6, Jan 71 (Spa)
[Better co-operation between the surgeon and the medical gymnast?] Adolfsson G.
Lakartidningen 68:1198-200, 10 Mar 71 (Swe)
[Significance of experimental surgery] Hallberg D.
Lakartidningen 68:473-9, 27 Jan 71 (Swe)
[Precautionary measures against "wrong operations"]
Lakartidningen 68:1834-5, 14 Apr 71 (Swe)
[Morphology of senility] Giampalmo A, et al.
Bull Soc Int Chir 28:444-61, Jul-Aug 69 (Mul)
[Surgery of the aged: physiopathology; modification of body composition] Haxhe JJ.
Bull Soc Int Chir 28:462-73, Jul-Aug 69 (Mul)
[General factors increasing surgical risk in the aged] Hegemann G, et al.
Bull Soc Int Chir 28:503-12, Jul-Aug 69 (Mul)
[Surgery of old age: sociological and statistical problems] Sanford DA.
Bull Soc Int Chir 28:435-43, Jul-Aug 69 (Mul)
[Significance of polyurethane foam substances in surgery] Bodor A, et al.
Bratisl Lek Listy 54:201-9, Aug 70 (Slo)

ADVERSE EFFECTS

Hypoxemia immediately after operation. Thompson DS, et al. Am J Surg 120:649-51, Nov 70
Abnormal bleeding during surgery. Gans H.
Arch Chir Neerl 23:75-82, 1971
Malignant hyperthermia during anesthesia and surgery. Snow JC. Arch Ophthalmol 84:407-8, Oct 70
Acute cholecystitis following unrelated surgical operations. Callaghan J.
J Ir Med Assoc 64:424-7, Sep 71
Disturbances of cardiac rhythm during anesthesia and surgery. Bertrand CA, et al. JAMA 216:1615-7, 7 Jun 71
Salivary secretion in children following operative stress. Groza P, et al. Rev Roum Physiol 6:253-8, 1969
Inadvertent hypothermia during surgery.
Klingensmith W. Tex Med 67:52-5, May 71
[Thoracotomy and scoliosis in children] Groot G.
Ned Tijdschr Geneeskd 115:94-5, 9 Jan 71 (Dut)
[Frequency of complications and recidivism after endoscopic threshold splitting of Zenker's diverticulum] Paulsen K, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:554-62, 1970 (Ger)
[Complications of Starck's esophagus dilatation]
Wenzel KP.
Monatsschr Ohrenheilkd Laryngorhinol 104:563-8, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Operative management of urologic complications of gynecologic diseases] Schmiedt E.
Z Urol Nephrol 63:547-62, Jul 70 (Ger)
[Surgical therapy of injuries after obstetric-gynecologic intervention] Schmitz W, et al.
Z Urol Nephrol 63:657-68, Sep 70 (Ger)
[Blood vessel injuries in inguinal and femoral hernia surgery. Compulsory surgical care and criteria for malpractice] Niemann F, et al.
Zentralbl Chir 96:408-12, 20 Mar 71 (Ger)
[When the use of modern medical instruments is accompanied by the increase of surgical hazards] Kelemen E, et al. Orv Hetil 112:1125-6, 9 May 71 (Hun)

CLASSIFICATION

[Major surgery] Mariscal Abascal E.
Cir Cir 39:961-76, May-Jun 71 (Spa)

HISTORY

Historical note: the first succesfu removal of a mediastinal mass. Salem MR, et al.
Anesth Analg (Cleve) 49:800-3, Jul-Aug 70
Cutting for the stone in the early Middle Ages. De Moulin D. Bull Hist Med 45:76-9, Jan-Feb 71
James Syme (1799-1870), a great surgeon who promoted proctology. (Syme J), Banov L Jr, et al.
Dis Colon Rectum 13:475-9, Nov-Dec 70
The Norwich school of lithotomy. Shaw AB.
Med Hist 14:221-59, Jul 70
Milestones in oesophageal surgery. Franklin RH.
Proc R Soc Med 64:257-60, Mar 71
[Some landmarks in the surgery of the recto-colon] Ceulemans G. Acta Chir Belg 69:132-8, Feb 70 (Fre)
[Alfred Opaliński--founder of the 2nd trend of Cracow surgery (1843-1898)] (Obaliński A), Popiela T, et al.
Arch Hist Med (Warsz) 33:403-7, 1970 (Pol)
[1st case of gastrostomy in the Province of Warmia. On the 250th anniverary of the surgery being performed] Skrobacki A. Pol Tyg Lek 26:112-5, 18 Jan 71 (Pol)
[Surgical ward at the concentration camp hospital at Auschwitz in the years 1940-1941] Halgas K.
Przegl Lek 27:48-54, 1971 (Pol)
[A surgeon in the conspiratorial health service in Warsaw] Kujawski Z. Przegl Lek 27:71-9, 1971 (Pol)
[Reminiscences of a surgeon from the Auschwitz concentration camp] Orzeszko T.
Przegl Lek 27:43-8, 1971 (Pol)
[The history of surgery of inguinal hernia] Kulicki M.
Wiad Lek 24:391-6, 15 Feb 71 (Pol)
[The pioneer of operative gynecology in Finland] (Engström OL), Niemineva K.
Nord Med 84:1449-52, 12 Nov 70 (Swe)

INSTRUMENTATION

An appendage to the operating-table for ophthalmic microsurgery. Thorburn W.
Acta Ophthalmol (Kbh) 48:500-1, 1970
Microsurgery of the larynx. An instrumental aid. Hürzeler D. Arch Otolaryngol 93:521-4, May 71

MORTALITY

A statisticalanalyi of the relationship of physical status to postoperative mortality in 68,388 cases. Vacanti CJ, et al. Anesth Analg (Cleve) 49:564-6, Jul-Aug 70
Physical class and physiologic status in the prediction of operative mortality in the aged sick. Lewin I, et al.
Ann Surg 174:217-31, Aug 71
[Role of the terrain in the morbidity and mortality of abdominal surgery] Lamy J, et al.
Bull Acad Nati Med (Paris) 154:649-57, 6 Oct 70 (Fre)
[Results and progress in surgery in the aged] Knoch HG, et al. Z Alternsforsch 25:337-51, 1971 (Ger)
[Duration of the operation and the loss of blood and mortality rate connected with the surgical procedures on the thoracic cage] Dutkiewicz A, et al.
Pol Przegl Chir 42:1217-22, Aug 70 (Pol)
[Evaluation of surgical risks. IV. Anesthetic aspects in the evaluation of surgical risks] Hülsz E.
Gac Med Mex 100:942-7, Sep 70 (Spa)
[Evaluation of surgical risks. I. Introduction] Hülsz E.
Gac Med Mex 100:933-4, Sep 70 (Spa)
[Evaluation of surgical risks. 3. Liver aspects] Jinich H.
Gac Med Mex 100:938-41, Sep 70 (Spa)
[Evaluation of surgical risks. II. Respiratory aspects] Rivero-Serrano O.
Gac Med Mex 100:934-7, Sep 70 (Spa)
[Evaluation of surgical risks. V. Surgical criterion] Solís J. Gac Med Mex 100:947-55, Sep 70 (Spa)

STANDARDS

Surgical self-assessment program to debut in the fall.
J Kans Med Soc 72:253, May 71

VETERINARY

Small animal operating tables with interchangeable fittings. Bacon DR, et al.
Lab Pract 19:1236-8 passim, Dec 70
[Use of technical facilities in studying operative surgery] Mosin VV. Veterinariia 8:116, Aug 70 (Rus)

SURGERY, ORAL (E4, E6, G2)

Diazepam intravenous sedation in dentistry. A report of 1,557 cases. Litchfield NB, et al.
Aust Dent J 16:25-33, Feb 71
Minor oral surgery in a dental hospital day-stay unit. Whitehead FI. Br Dent J 130:69-71, 19 Jan 71
A universal oral surgery suture. Hudson A.
Br J Oral Surg 8:129, Nov 70
The place of the erythrocyte sedimentation rate (ESR) in oral surgery. Juniper RP.
Br J Oral Surg 8:183-91, Mar 71
Preprosthetic surgery. Guernsey LH.
Dent Clin North Am 15:455-66, Apr 71
Pain control in the dental office. Reynolds DC.
Dent Clin North Am 15:319-25, Apr 71
The amphetamines. Gurney BF.
Dent Dig 77:228-30, Apr 71
Ketamine hydrochloride: a general anesthetic in oral surgery. Hellinger MJ.
J Am Dent Assoc 83:349-51, Aug 71
Stainless steel wire mesh--an aid in difficult oral surgery problems. Bear SE, et al.
J Oral Surg 29:27-34, Jan 71
A program for preparedness in anesthetic and emergency techniques in the oral surgery office. Hagen J, et al. J Oral Surg 29:166-70, Mar 71
Editorial. Our right to equal access. Hayward JR.
J Oral Surg 29:246, Apr 71
Editorial. Utilizing educational resources. Hayward JR.
J Oral Surg 29:87, Feb 71
Editorial. Identity and interpretation. Hayward JR.
J Oral Surg 29:8, Jan 71
Editorial. The defense can't rest. Hayward JR.
J Oral Surg 29:312, May 71
Editorial. A rocky road for research. Hayward JR.
J Oral Surg 28:884, Dec 70
The continuing challenge: oral surgery as a specialty of dentistry. Chalmers J. Lyons Memorial Lecture. Hillenbrand H. J Oral Surg 29:9-12, Jan 71
Dietary needs of the oral surgery patient with comparison of dietary supplements. Jones NB 3d. J Oral Surg 28:892-7, Dec 70
Blood volume considerations in oral surgery. Meyer RA. J Oral Surg 29:617-21, Sep 71
Irrigation technique for use with the newer air drills. Seldin EB. J Oral Surg 29:151, Feb 71
Neuroleptanalgesia: a new concept in premedication. Shamash R, et al. J Oral Surg 29:405-8, Jun 71
Blood transfusion: a review of the treatment of the oral surgical patient and report of case. Sher MR, et al.
J Oral Surg 29:334-9, May 71 (10 ref.)
ASOS approves guidelines for general anesthesia in office. J Oral Surg 29:303, Apr 71
The use of facoor VIII and factor IX concentrates during surgery. George JN, et al.
JAMA 214:1673-6, 30 Nov 70
Social psychological factors in oral surgery under local anesthesia. Dabbs JM Jr, et al.
Oral Surg 32:543-50, Oct 71
Changes in the American Board of Oral Surgery. McCallum CA. Oral Surg 32:522-3, Sep 71
American Board of Oral Surgery adopts new procedure for applying for certification. McCallum CA.
Oral Surg 32:523, Sep 71
The prevention of emesis with thiethylperazine following oral surgery. Messer EJ, et al.
Oral Surg 31:184-8, Feb 71
Free mucosal grafts for vestibuloplasty. Shepherd NJ, et al. Oral Surg 31:157-63, Feb 71
Editorial: the new format. Shira RB.
Oral Surg 31:1-2, Jan 71
Comparison of oral penicillin G and clindamycin as prophylactic antibiotics in oral surgery. Wiesenbaugh JM Jr. Oral Surg 31:302-11, Mar 71
Pre-prosthetic surgery. 2. Barakat NJ, et al.
Rev Dent Liban 20:39-46, Mar-Jun 70
Pre-prosthetic surgery. 1. Barakat NJ, et al.
Rev Dent Liban 20:27-38, Mar-Jun 70
[Surgical corrections of the oral vestibulum] Haberzettel V, et al.
Cesk Stomatol 71:7-11, Jan 71 (Cze)
[Patients under anticoagulant therapy in dental practice] Hofejš J, et al.
Cesk Stomatol 71:135-9, May 71 (Cze)
[Preprosthetic surgery] Tideman H.
Ned Tijdschr Tandheelkd 78:224-30 contd, Jun 71 (Dut)
[On preprosthetic surgery] Tasanen A.
Suom Hammaslaak Toim 66:398-406, 1970 (Fin)
[Clinical study of a new analgesic: 4-alloxyl-3-chorophenyl acetic acid] Reck J van.
Acta Stomatol Belg 68:141-5, 1971 (Fre)
[New formation of an attached mucosa in cases of periodontiyasis. 1. Conventional technics of vestibuloplasty] Nicolas G.
Rev Belge Med Dent 25:553-64, 1970 (Fre)
[Preprosthetic surgery] Sahyoun I.
Rev Dent Liban 20:31-4, Dec 70 (Fre)
[Therapeutic trial of "colchimax" in stomatology and in maxillo-facial surgery] Pons J, et al.
Rev Fr Odontostomatol 17:1111-28, Oct 70 (Fre)
[Polymyiase in odonto-stomatology] Fabié N, et al.
Rev Odontostomatol Midi Fr 28:136-42, 1970 (Fre)
[Bone grafts. Trial of biological considerations and practical applications in stomatology] Andrianjatovo-Rarisoa J, et al.
Rev Stomatol Chir Maxillofac 72:39-53, Jan-Feb 71 (Fre)
[Premedication for dental surgery in local anesthesia and laughing gas analgesia] Bauer-Ehnes H.
DDZ 25:10 passim, Jan 71 (Ger)
[Blood coagulation disorders in the dental practice. (Case report: hemophilia A)] Janson M.
DDZ 25:85-6 passim, Mar 71 (Ger)
[Oral surgery in hemophiliacs] Tetsch P, et al.
Dtsch Zahn Mund Kieferheilkd 56:73-83, Feb 71 (Ger)
[Vestibuloplasty in the nervus mentalis region using a mucosal graft with simultaneous plastic surgery on the floor of the mouth] Plischka G, et al.
Dtsch Zahnaerztl Z 25:1044-8, Nov 70 (Ger)
[Clinic and histology of free skin grafts in the mouth] Schwenzer N, et al.
Dtsch Zahnaerztl Z 25:1049-54, Nov 70 (Ger)
[Oral surgery in hemophilia A, hemophilic after bleeding and periodic bleeding] Utz W.
Dtsch Zahnaerztl Z 26:871-4, Sep 71 (Ger)
[Bacteriological action range of carbenicillin in inflammatory processes of the maxillofacial area] Gabka J. Med Monatsschr 24:416-8, Sep 70 (Ger)
[Dental surgical interventions in diseases of the leukopoietic system] Haunfelder D.
Osterr Z Stomatol 68:2-6, Jan 71 (Ger)
[Prevention of postoperative edemas in surgery of the maxillo-facial region] Zisser G.
Osterr Z Stomatol 68:103-6, Mar 71 (Ger)
[Use of Niflural following oral surgical interventions] Chappuis D.
Schweiz Monatsschr Zahnheilkd 81:731-7, Aug 71 (Ger)
[Premedication of overanxious patients in dental practice] Tridadan H, et al.
Schweiz Monatsschr Zahnheilkd 80:1213-34, Nov 70 (Ger)
[Anesthesia in maxillofacial surgery in infants and young children] Schettler D.
Stoma (Heidelb) 24:5-9, Feb 71 (Ger)
[Anticoagulants and their importance in dental surgery] Keil E. ZWR 80:693-5, 10 Aug 71 (Ger)
[Studies on edema prevention using benzydamine (Tantum) following dental surgery] Menzel HJ.
ZWR 80:570-3, 25 Jun 71 (Ger)
[General principles for emergencies in oral surgery] Loukopoulos N.
Stomatologia (Athenai) 28:45-61, Jan-Feb 71 (Gre)
[The use of antibiotics in oral surgery] Kövári F.
Fogorv Sz 64:86-92, Mar 71 (Hun)
[Postoperative study of the experimental deepening of the fornix] Fossataro E, et al.
Ann Stomatol (Roma) 18:919-26, Nov 69 (Ita)
[Epontol in dental practice and in maxillofacial surgery] Abbondanza P, et al.
Arch Stomatol (Napoli) 9:257-65, Jul-Sep 68 (Ita)
[Clinical evaluation of marcaine in ambulatory dental surgery. Preliminary note] Sforza I, et al.
Arcisp S Anna Ferrara 22:55-69, 1969 (Ita)
[Preprosthetic surgery] Buisson G, et al.
Dent Cadmos 38:1293-372, Sep 70 (Ita)
[Use of the electric knife in dental surgery] Ciani A, et al. Dent Cadmos 37:65-70, Jan 69 (Ita)
[Use of the electrosurgical knife in dental practice] Turco GC.
G Batteriol Virol Immunol 63:152-63, Jan-Jun 70 (Ita)
[Oral and general surgery in hemophiliacs] Dioguardi N, et al. Haematol Lat 12:557-66, Jul-Dec 69 (Ita)
[Anesthesia with propanidid in oral and maxillo-facial surgery] Bottero A, et al.
Minerva Anestesiol 35:728-32, Jul 69 (Ita)
[Clinical study on the use of vegetable proteolytic enzymes (bromelains) in dentistry] Bombaglio G, et al. Rass Trimest Odontoiatr 51:183-9, Oct-Dec 70 (Ita)
[Dental clinical study of a new association of benzidamine and tetracycline] Bottai F, et al.
Riv Ital Stomatol 25:614-9, Jul 70 (Ita)
[Oral surgery and acetonuria] Harada Y.
Otolaryngology (Tokyo) 42:1043-9, Dec 70 (Jap)
[Epontal anesthesia in oral surgery] Antoszewski Z, et al. Czas Stomatol 24:405-8, 1971 (Pol)
[Clinical value of variously shaped tissue grafts in dental surgery] Krajnik J, et al.
Czas Stomatol 24:603-9, Jun 71 (Pol)
[Catecholamines in various stages of anesthesia in dental surgery] Kryst L.
Czas Stomatol 24:513-8, May 71 (Pol)
[The use of dehydrobenzperidol and phentanyl for anesthesia in surgical procedures on the oral cavity, head and neck] Marquardt B, et al.
Czas Stomatol 24:773-6, Jul 71 (Pol)
[Experience with a new analgesic after dental surgery] Bicudo Júnior J.
Hospital (Rio de J) 76:979-84, Sep 69 (Por)
[Prophylactic use of antibiotic therapy in oral surgery] Marzola C, et al.
Rev Bras Odontol 27:209-14, Jul-Aug 70 (Por)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The hyperthermic syndrome in the practice of oral surgery] Khaĭkin GI.
Stomatologiia (Mosk) 49:95-6, Jul-Aug 70 (Rus)
[Evaluation of indomethazine in postoperative treatment after oral surgery] Gutierrez Morelos A.
ADM 28:159-68, Mar-Apr 71 (Spa)
[General anesthesia for the ambulatory patient in the dental office] Medina Garcia LM, et al.
ADM 27:49-54, Jan-Feb 70 (Spa)
[Indomethacine in oral surgery] Ramirez JH.
ADM 26:257-65, May-Jun 69 (Spa)
[Oral surgery] Ortodoncia 34:38-46, Apr 70 (Spa)
[Present condition of periodontal surgery. Commentaries on the "World Workshop in Periodontics", 1966] Afanador Ruiz C.
Rev Fed Odontol Colomb 18:40-6, Jul-Sep 69 (Spa)
[Ornithine-8-vasopressin as vasoconstrictor in local anaesthesia in oral surgery] Nordenram A, et al.
Sven Tandlak Tidskr 64:113-8, Feb 71 (Swe)
[Preparation of patients with hemophilia for tooth extraction and oral surgery] Rončević R, et al.
Vojnosanit Pregl 28:22-4, Jan 71 (Cro)

ADVERSE EFFECTS

Dysrhythmia and oral surgery. Alexander JP.
Br J Anaesth 43:773-8, Aug 71
[New surgical methods in the treatment of injuries to the mandibular and mental nerve] Metz HJ.
Dtsch Zahnaerztl Z 25:1189-92, Dec 70 (Ger)
[Blood sugar and dental surgery] Lautenbach E, et al.
Schweiz Monatsschr Zahnheilkd 81:137-52, Feb 71 (Ger)
[Emphysema in oral surgery] Winklmair M.
Stoma (Heidelb) 24:100-8, May 71 (Ger)

EDUCATION

Graduate training in oral surgery in Australia. Jolly M.
Aust Dent J 15:435-6, Oct 70
The extended final examination in dental surgery. Russell JG.
Br Dent J 131:183-6, 7 Sep 71
Editorial. The best teaching. Hayward JR.
J Oral Surg 29:165, Mar 71
The cutting edge of specialization. Hayward JR.
J Oral Surg 29:548, Aug 71
[The use of technical aids and programmatic control in the teaching of oral surgery] Koval' AV, et al.
Stomatologiia (Mosk) 49:65-6, Nov-Dec 70 (Rus)
[Education in oral surgery in Mexico] Miranda FR.
ADM 27:131-3, Mar-Apr 70 (Spa)

HISTORY

Repair of cleft palate by Philibert Roux in 1819. (Roux P), Stephenson J.
Plast Reconstr Surg 47:277-83, Mar 71
[Surgery for harelip in 19th century Cracow surgical clinic] Gajda Z.
Przegl Lek 26:627-30, 1970 (Pol)
[The odontological chapter in the surgical work of Abulcasis] (Abulcasis K), Riera JD.
An Esp Odontoestomatol 26:319-24, Jul-Sug 67 (Spa)

INSTRUMENTATION

[The new dental electrosurgery: monoterminal or biterminal current?] Calciati R.
Mondo Odontostomatol 13:36-40, 1970-71 (Ita)

MANPOWER

[Maxillofacial surgery remains the responsibility of the dentist] Hillenbrand H.
Zahnaerztl Mitt 61:414-6, 1 May 71 (Ger)

SURGERY, PLASTIC (E4, G2)

Effect of gynaecologic operations on electrolyte metabolism. 4. Changes in electrolyte metabolism following plastic surgery. Dalos G.
Acta Chir Acad Sci Hung 11:207-11, 1970
Bipedicled V-Y flap technique for primary repair of lower lip defects. Hollmann K.
Acta Chir Plast (Praha) 12:223-6, 1970
Ultra short general anaesthesia in plastic surgery. Landázuri H.
Acta Chir Plast (Praha) 12:246-9, 1970
Vagina from urinary bladder. Carmichael DE.
Am J Obstet Gynecol 110:130-1, 1 May 71
Advances in socket reconstruction. Dortzbach RK, et al.
Am J Ophthalmol 70:800-13, Nov 70
Interposed flap reconstruction of extensive sacral defects. Rapperport AS, et al.
Am J Proctol 22:29-35, Feb 71
Reconstructive surgery related to laryngology. Farrior RT.
Ann Otol Rhinol Laryngol 79:1061-76, Dec 70
Transplantation of fingertips. Peacock EE Jr, et al.
Ann Surg 173:812-26, May 71
Cilia transplant. Beyer CK, et al.
Arch Ophthalmol 85:445-7, Apr 71
Correction of the superior lid sulcus with subperiosteal implants. Soll DB.
Arch Ophthalmol 85:188-90, Feb 71
Vertical, subtotal laryngectomy and laryngoplasty. Review of experience. Bailey BJ, et al.
Arch Otolaryngol 93:232-7, Mar 71
Cervical osteomyelitis complicating pharyngeal resection. Biller HF, et al.
Arch Otolaryngol 94:165-8, Aug 71
Reconstruction of the mandible. Use of a homograft combined with autogenous bone and marrow. De Fries HO, et al.
Arch Otolaryngol 93:426-32, Apr 71
Delto-pectoral flap. Loré JM JR, et al.
Arch Otolaryngol 94:13-8, Jul 71
Flaps and grafts in head and neck surgery. Sisson GA, et al.
Arch Otolaryngol 92:599-603 passim, Dec 70
Congenital microtia. Reconstruction with a silicone rubber (silastic) prosthesis. Stallings JO, et al.
Arch Otolaryngol 94:176-9, Aug 71
Vascular pedicled island flaps. Use in head and neck reconstructive surgery. Strahan RW, et al.
Arch Otolaryngol 92:588-95, Dec 70
Otoplasty goals and principles. Wright WK.
Arch Otolaryngol 92:568-72, Dec 70
Benign hypertrophy of the masseter muscles and mandibular angles. Waldhart E, et al.
Arch Surg 102:115-8, Feb 71
Plastic surgery in cutis laxa. Beighton P, et al.
Br J Plast Surg 23:285-90, Jul 70
Rubber men. Bell RC.
Br J Plast Surg 23:337-8, Oct 70
W-plastic glabellar rhytidectomy. Borges AF.
Br J Plast Surg 23:386-9, Oct 70
Volumetric measurement of the human breast and breast tissue before and during mammaplasty. Bouman FG.
Br J Plast Surg 23:263-4, Jul 70
Modification of the strombeck mammaplasty to reconstruct an agenetic breast. Bouman FG.
Br J Plast Surg 23:265-8, Jul 70
Clinical and experimental studies of polyhydroxyethylmethacrylate gel ("Hydron") for reconstructive surgery. Calnan JS, et al.
Br J Plast Surg 24:113-24, Apr 71
Restoration of orbicularis oris muscle continuity in the repair of bilateral cleft lip. Duffy MM.
Br J Plast Surg 24:48-56, Jan 71
Labial malocclusion (labrium arcuatum). Farina R, et al.
Br J Plast Surg 23:254-5, Jul 70
Traumatic cleft lip. Kriens OB.
Br J Plast Surg 24:69-70, Jan 71
Technique for preservation of the temporal branches of the facial nerve during face-lift operations. Loeb R.
Br J Plast Surg 23:390-4, Oct 70
Lobster-claw deformities of the hands and feet. Maisels DO.
Br J Plast Surg 23:269-82, Jul 70
Sarcoidosis of the nose. O'Brien P.
Br J Plast Surg 23:242-7, Jul 70
The use of the intact side of the face for reconstruction of the injured opposite side. Orticochea M.
Br J Plast Surg 23:235-41, Jul 70
Progressive facial hemiatrophy evaluation of treatment in a case after nine years. Sharpe C.
Br J Plast Surg 24:93-6, Jan 71
Quantitative correction of unilateral exaggerated palpebral opening. Uchida J.
Br J Plast Surg 24:86-8, Jan 71
A field guide to cleft-lip repair. Heycock MH.
Br J Surg 58:567-70, Aug 71
Prostheses, stents, and splints for the oral cancer patient. CA 18:341-52, Nov-Dec 68 (82 ref.)
Present status of augmentation mammaplasty. De Cholnoky T.
Conn Med 34:808-9, Nov 70
Ophthalmological aspects of blepharoplasty. Beyer CK, et al.
Eye Ear Nose Throat Mon 49:242-4, May 70
Secondary reconstruction in maxillo-facial trauma. Freeman JC, et al.
Eye Ear Nose Throat Mon 50:166-70, May 71
Pitfalls in otoplasty. Goodwin MR.
Eye Ear Nose Throat Mon 49:4-6, Jan 70
Chemosurgery in ophthalmology. Stillerman ML.
Eye Ear Nose Throat Mon 50:338-9, Sep 71
Baggy lids. Beyer CK.
Int Ophthalmol Clin 10:47-53, Spring 70
The office evaluation of the ophthalmic plastic patient. Obear MF.
Int Ophthalmol Clin 10:161-70, Spring 70
Congenital and surgical anophthalmia. Spaeth EB.
Int Ophthalmol Clin 10:11-21, Spring 70
On the use of Biobond in the treatment of cerebrospinal rhinorrhea and frontobasal fistula. Nyström SH.
Int Surg 54:332-40, Nov 70
Reconstruction of the amputated finger tip with a triangular volar flap. A new surgical procedure. Atasoy E, et al.
J Bone Joint Surg [Am] 52:921-6, Jul 70
Construction of a finger plate with delayed contiguous skin-bone pedicle graft for loss of four digits. A case report. Ueba Y, et al.
J Jap Orthop Assoc 44:1015-20, Nov 70
Lateral nasal proboscis. Kirkpatrick TJ.
J Laryngol Otol 84:83-9, Jan 70
Surgical management of microphallus. Hinman F Jr.
J Urol 105:901-4, Jun 71
The complete border sign of breast augmentation. Ellis R, et al.
JAMA 216:522, 19 Apr 71
Composite operations and reconstruction. Paletta FX.
JAMA 217:459-60, 26 Jul 71
Anesthesia experiences at a plastic surgery center in Vietnam. Experiences at Children's Medical Relief International surgical facility. Patterson JF, et al.
JAMA 215:777-82, 1 Feb 71
The face lift operation and the otolaryngologist. Anderson JR.
Laryngoscope 81:866-72, Jun 71
Esthetic blepharoplasty. Farrior RT.
Laryngoscope 81:848-65, Jun 71
Silastic implant in maxillectomy. Komet H.
Laryngoscope 81:828-30, Jun 71
First stage care of maxillofacial trauma. Yarington CT Jr.
Med Times 98:101-8, Dec 70
Plastic surgery evaluation report. II. Maguire CP.
Med Trial Tech Q 17:156-61, Dec 70
Plastic surgery evaluation report. I. Maguire CP.
Med Trial Tech Q 17:33-6, Sep 70
Cosmetic improvement of factitial defects. Orentreich N, et al.
Med Trial Tech Q 17:172-80, Dec 70
A thought re augmentation mammoplasty. Rice CO.
Miss Med 54:725, Sep 71
Face-lift operation. Conley J.
NY State J Med 71:1819-26, 1 Aug 71
Reconstruction of hypertrophied or ptotic breasts. Rees TD, et al.
NY State J Med 70:2559-64, 15 Oct 70
Plastic management of extensive vulvar defects. Julian CG, et al.
Obstet Gynecol 38:193-8, Aug 71
Adolescents and plastic surgery. Some case reports. Munick LH.
Ohio State Med J 67:132-4, Feb 71
The management of agenesis of the phallus. Young HH 2d, et al.
Pediatrics 47:81-7, Jan 71
Intravenous diazepam: a helpful adjunct in plastic surgery. Adamson JE, et al.
Plast Reconstr Surg 47:145-9, Feb 71
Reconstruction of the corner of the mouth. Anderson R, et al.
Plast Reconstr Surg 47:463-4, May 71
Facial dimple: its formation by a simple technique. Argamaso RV.
Plast Reconstr Surg 48:40-3, Jul 71
Modification of the Strömbeck technique. Arufe HN, et al.
Plast Reconstr Surg 46:604-5, Dec 70
The temporal face lift ("mini-lift"). Baker TJ, et al.
Plast Reconstr Surg 47:313-5, Apr 71
Esthetic surgery and the plastic surgeon. Baker TJ.
Plast Reconstr Surg 46:389, Oct 70
Subjective evaluation of the face-lift and eyelid operations. A preliminary report. Berry EP.
Plast Reconstr Surg 46:429-32, Nov 70
Correction of a flat-folded helix. Black PW.
Plast Reconstr Surg 48:86-7, Jul 71
The status of injectable silicone fluid for soft tissue augmentation. Braley S.
Plast Reconstr Surg 47:343-4, Apr 71
Blepharoplasty in exophthalmos. Castañares S.
Plast Reconstr Surg 47:215-9, Mar 71
Simple technique for correction of "whistling" deformity in repaired cleft lips. Chong JK, et al.
Plast Reconstr Surg 48:84-5, Jul 71
Reconstruction in Landouzy-Dejerine progressive muscular dystrophy. Case report. Cocke WM, et al.
Plast Reconstr Surg 48:77-9, Jul 71
Transbuccal flaps for reconstruction of the floor of the mouth. Cohen IK, et al.
Plast Reconstr Surg 48:8-10, Jul 71
The Question Mark ear. Cosman B, et al.
Plast Reconstr Surg 46:454-7, Nov 70
The T-Z-plasty for the male "turkey gobbler" neck. Cronin TD, et al.
Plast Reconstr Surg 47:534-8, Jun 71
The problem of somatic delusions in patients seeking cosmetic surgery. Druss RG, et al.
Plast Reconstr Surg 48:246-50, Sep 71
Surgical construction of the vagina and labia in male transsexuals. Edgerton MT, et al.
Plast Reconstr Surg 46:529-39, Dec 70
Macromastia during puberty. Fisher W, et al.
Plast Reconstr Surg 47:445-51, May 71
Improvement of the face in Crouzon's disease by conservative operations. Fleming JP.
Plast Reconstr Surg 47:560-4, Jun 71
Zigzag blepharoplasty for upper eyelids. Flowers RS.
Plast Reconstr Surg 47:557-9, Jun 71
Giant foreign bodies in the face. Two case reports. Franchebois P.
Plast Reconstr Surg 47:502-4, May 71
Spliced autogenous conchal cartilage in secondary ear reconstruction. Gorney M, et al.
Plast Reconstr Surg 47:432-7, May 71
Dermal mastopexy. Goulian D Jr.
Plast Reconstr Surg 47:105-10, Feb 71
Use of fiber optic bundles in plastic surgery. Grazer FM.
Plast Reconstr Surg 48:28-31, Jul 71
Reconstruction of extensive forehead defects. Hamilton R, et al.
Plast Reconstr Surg 47:421-4, May 71
Speech changes after pharyngeal flap surgery. Hamlen M.
Plast Reconstr Surg 46:437-44, Nov 70
The terminology of flaps. Kahn S.
Plast Reconstr Surg 47:485-7, May 71
Surgical treatment of elephantiasis of male genitalia. Khanna NN.
Plast Reconstr Surg 46:481-7, Nov 70
Subconjunctival autogenous dermal graft to prevent extrusion of orbital implant. Latham WD, et al.
Plast Reconstr Surg 46:468-72, Nov 70
Esthetic blepharoplasties based on the degree of wrinkling. Loeb R.
Plast Reconstr Surg 47:33-6, Jan 71
Conversion of an inferiorly-based pharyngeal flap to a superiorly-based position. McEvitt WG.
Plast Reconstr Surg 48:36-9, Jul 71
Ten years with the palatal island flap. Millard DR, et al.
Plast Reconstr Surg 46:540-7, Dec 70
Immediate reconstruction with bipolar scalp flap after excisions of huge cheek cancers. Narayanan M.
Plast Reconstr Surg 46:548-53, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A simple method for the correction of prominent ears. Neuner O. Plast Reconstr Surg 47:111-6, Feb 71
A cross-helix flap for ear reconstruction. Ortiz-Monasterio F, et al. Plast Reconstr Surg 46:606-7, Dec 70
Treatment of severe breast asymmetry. Radlauer CB, et al. Plast Reconstr Surg 47:347-50, Apr 71
Prenatal constricting band and pseudoarthrosis of the lower leg. Sarnat BG, et al. Plast Reconstr Surg 47:547-51, Jun 71
Reconstruction of the female breast following radical mastectomy. Snyderman RK, et al. Plast Reconstr Surg 47:565-7, Jun 71
Free graft of vaginal mucosa to the mouth. Case report. Stallings JO, et al. Plast Reconstr Surg 47:496-501, May 71
Total reconstruction of the auricle. The evolution of a plan of treatment. Tanzer RC. Plast Reconstr Surg 47:523-33, Jun 71
Autogenous free grafts of skeletal muscle. A preliminary experimental and clinical study. Thompson N. Plast Reconstr Surg 48:11-27, Jul 71
Closure of large septal perforations with a labial-buccal flap. Tipton JB. Plast Reconstr Surg 46:514-5, Nov 70
Advances in plastic surgery. Watson J. Practitioner 205:549-54, Oct 70 (21 ref.)
Reconstruction in head and neck surgery. Matthews DN. Proc R Soc Med 64:731-4, Jul 71
Repair of the laryngo-pharynx and cervical oesophagus after irradiation. Shaw HJ. Proc R Soc Med 64:734-7, Jul 71
One thousand consecutive cases of major facial injury. Schultz RC. Rev Surg 27:394-410, Nov-Dec 70
Reconstruction of the severely mutilated hand. Pulvertaft RG. Rheumatol Phys Med 11:90, May 71
Annotation. Plastic reconstruction of the urethra. Lipworth E. S Afr J Surg 8:19-24, 1970
Reconstruction of midline skin defects of the nose. Rintala AE, et al. Scand J Plast Reconstr Surg 3:105-8, 1969
Pectus excavatum. Parsons JT. South Med J 64:750-4, Jun 71
The current status of silicone injection therapy. Ashley FL, et al. Surg Clin North Am 51:501-9, Apr 71
Chemical face peeling and dermabrasion. Baker TJ, et al. Surg Clin North Am 51:387-401, Apr 71
Ancillary procedures for the aging face and neck. Carlin GA, et al. Surg Clin North Am 51:371-85, Apr 71
Augmentation mammaplasty. Cronin TD, et al. Surg Clin North Am 51:441-52, Apr 71
Cutaneous scars and cosmetic surgery. Hogan VM. Surg Clin North Am 51:491-500, Apr 71
Reconstruction of the breasts. Lewis JR Jr. Surg Clin North Am 51:429-40, Apr 71
Selection of cosmetic surgery patients. Social and psychological considerations. Macgregor FC. Surg Clin North Am 51:389-98, Apr 71
Surgical reduction of the abdomen, thigh, and buttocks. Pitanguy I. Surg Clin North Am 51:479-89, Apr 71
Patient selection and techniques in blepharoplasty and rhytidoplasty. Rees TD, et al. Surg Clin North Am 51:353-70, Apr 71
Symposium on cosmetic surgery. Foreword. Rees TD. Surg Clin North Am 51:381-3, Apr 71
Reduction mammaplasty. Strömbeck JO. Surg Clin North Am 51:453-69, Apr 71
The lop ear deformity. Wood-Smith D, et al. Surg Clin North Am 51:417-27, Apr 71
Current concepts in reconstructive surgery in patients with cancer of the head and neck. Zarem HA. Surg Clin North Am 51:149-73, Feb 71 (17 ref.)
Osteoplastic flap technique for disease of the frontal sinus. Calcaterra TC, et al. Surg Gynecol Obstet 132:505-10, Mar 71
Long term human reaction to synthetic plastics. Rubin LR, et al. Surg Gynecol Obstet 132:803-8, Apr 71
Plastic and reconstructive surgery including burns. Ryan RF. Surg Gynecol Obstet 132:231-4, Feb 71
Management of the injured nose. Spira M, et al. Tex Med 67:72-82, May 71
The optimum time for surgery in the Marcus Gunn phenomenon. Iliff CE. Trans Am Acad Ophthalmol Otolaryngol 74:1005-10, Sep-Oct 70
Technique of vaginoplasty and clitoridectomy in the adrenogenital syndrome. Spence HM. Trans Am Assoc Genitourin Surg 62:86-8, 1970
Plastic surgery and the eye. Prendiville JB. Trans Ophthalmol Soc UK 90:939-57, 1970
Cutis laxa. A report of three cases. Chadfield HW, et al. Trans St Johns Hosp Dermatol Soc 57:181-9, 1971
Careers in plastic surgery. Schurter M. Woman Physician 26:312-3, Jun 71
[May the plastic surgeon take part in the treatment of patients with multiple injuries?] Chytilová M, et al. Cas Lek Cesk 110:673-4, 16 Jul 71 (Cze)
[Cooperation of the gynecologist with the plastic surgeon in surgery of the vulva] Cernoch A, et al. Cesk Gynekol 36:228-32, May 71 (Cze)
[Plastic surgery of the declined auricles] Babičková E, et al. Cesk Otolaryngol 20:82-4, Apr 71 (Cze)
[Plastic surgery reconstruction plus small intestine bypass in severe obesity] Fogh-Andersen P, et al. Nord Med 85:735, 10 Jun 71 (Dan)
[Plastic surgery treatment in obesity] Sorensen B, et al. Nord Med 85:734-5, 10 Jun 71 (Dan)
[Restoration of mandibular continuity after resection for tumor] Castermans A. Acta Chir Belg 68:129-40, Feb 69 (Fre)
[Indications for the Aries-Pitanguy technic in mammary ptosis] Lejour M. Acta Chir Belg 70:5-10, Jan 71 (Fre)
[Statistical study of 154 plastic operations following excision of head and neck tumors] Abbès M, et al. Ann Chir Plast 15:205-13, 1970 (Fre)
[Unusual usage of a palpebral spring] Castermans A. Ann Chir Plast 13:307-8, Dec 68 (Fre)
[A simple procedure for surgical correction of a congenitally absent helix] Ducourtioux JL. Ann Chir Plast 16:60-2, 1971 (Fre)
[Correction of hypotonic ectropion. Prevention and correction of scar ectropion of the lower eyelid] Escoffier JB. Ann Chir Plast 16:137-45, 1971 (Fre)
[Symposium on the surgical treatment of facial cutaneous wrinkles and ptosis] Gonzalez-Ulloa M, et al. Ann Chir Plast 16:97-118, 1971 (Fre)
[Lower eyelid ectropion after esthetic surgery and post-traumatic] Grignon JL. Ann Chir Plast 16:127-36, 1971 (Fre)
[Incurred responsibilities before the courts of justice in matters of esthetic and restoring surgery] Kornprobst L. Ann Chir Plast 15:236-44, 1970 (Fre)
[Indications, contraindications and results of Callia's technic in the treatment of abdominal skin ptosis with or without fat overload] Lagache G, et al. Ann Chir Plast 16:37-50, 1971 (Fre)
[Treatment of micromandibles] Merville L. Ann Chir Plast 15:301-11, 1970 (Fre)
[Correction of protruding ears without scar] Mouly R. Ann Chir Plast 16:55-9, 1971 (Fre)
[Treatment of sequelae in burns of the axilla] Picard-Leroy G. Ann Chir Plast 15:214-20, 1970 (Fre)
[Ear aplasia and forked hand. An association of these 2 congenital abnormalities] Plancq V. Ann Chir Plast 15:229-32, 1970 (Fre)
[Correction of projecting ears (modification of the tubulization method)] Senechal G, et al. Ann Chir Plast 15:351-2, 1970 (Fre)
[Plastic surgery of the abdomen] Pérel L. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:495-6, 1968 (Fre)
[Rhino-labial plastic surgery] Diop L, et al. Bull Soc Med Afr Noire Lang Fr 15:643-51, 1970 (Fre)
[Plastic surgery of the eyelids] Buraczewski S. Bull Soc Ophtalmol Fr 69:724-9, Jul-Aug 69 (Fre)
[Legal responsibility and esthetic surgery] Cotte L. Bull Soc Ophtalmol Fr 69:636-9, Jul-Aug 69 (Fre)
[Use of a polyethylene catheter as a splint in reparative surgery of the eyelid and the fundus] Durand L, et al. Bull Soc Ophtalmol Fr 69:498-501, Apr 69 (Fre)
[Severe visual complication after surgery of palpebral pouches] Morax PV, et al. Bull Soc Ophtalmol Fr 69:454-8, Apr 69 (Fre)
[Cheiloplasty after surgical excision of the cancer from the lower lip] Timosca G, et al. Rev Stomatol Chir Maxillofac 72:294-5, Mar 71 (Fre)
[Dermo-surgery and cosmetology] Juon M. Ther Umsch 27:547-9, Aug 70 (Fre)
[Abbé-Estlander flaps and their multiple variations] Dansereau JG, et al. Union Med Can 98:802-7, May 69 (Fre)
[Heterogeneous lyophilized bone grafts in reconstructive surgery] Regnault P. Union Med Can 98:1173-5, Jul 69 (Fre)
[Facial plastic surgery in irreparable facial paralyses] Schaupp H. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:202-4, 1970 (Ger)
[Restorative operations in loss of opposition of the thumb] Raje R. Beitr Orthop Traumatol 17:581-6, 1970 (Ger)
[Contribution to the reconstruction of the lacrimal ducts] Genée E. Ber Dtsch Ophthalmol Ges 70:99-100, 1970 (Ger)
[Experimental studies on the use of lyofilized dura in plastic surgery] Jäger M. Chirurg 42:266-9, Jun 71 (Ger)
[Plastic surgery in abnormalities of the hand] Millesi H. Chirurg 42:60-7, Feb 71 (Ger)
[Indications for and technic of the mammaplasty] Schmidt-Tintemann U. Chirurg 42:53-60, Feb 71 (Ger)
[Traumatology of the facial part of the skull from the aspect of plastic surgery] Schrudde J. Chirurg 41:494-8, Nov 70 (Ger)
[Skin plastys in dressing of fresh burns] Seiffert KE. Chirurg 41:393-8, Sep 70 (Ger)
[Principles of plastic surgery] Wilflingseder P, et al. Chirurg 42:49-53, Feb 71 (Ger)
[Experiences with Pitanguy's plastic surgery for trochanteric lipodystrophy] Bruck HG, et al. Cosmetologica 19:33-6, 20 Feb 70 (Ger)
[Surgery] Walter C. Cosmetologica 19:171-8, 20 May 70 (Ger)
[Corrective surgery of the external ear] Reimann U. Dtsch Gesundheitsw 25:1369-72, 16 Jul 70 (Ger)
[Mammary carcinoma and calcified adipose tissue transplant after bilateral augmentation mammoplasty] Hermanutz D, et al. Fortschr Geb Roentgenstr Nuklearmed 113:530-3, Oct 70 (Ger)
[Use of the temporally pedicled frontal flap for immediated reconstruction of tumor defects in the mouth] Baumgartner P. Fortschr Kiefer Gesichtschir 13:17-9, 1968 (Ger)
[Surgical treatment of lower lip carcinomas] Günther H. Fortschr Kiefer Gesichtschir 13:118-24, 1968 (Ger)
[Principles of surgical therapy of mouth carcinomas with special reference to the covering of defects] Schuchardt K, et al. Fortschr Kiefer Gesichtschir 13:244-53, 1968 (Ger)
[Plastic surgery of the urethra] Frick J. Helv Chir Acta 37:510-4, Aug 70 (Ger)
[The surgical treatment of urethral stricture according to the Turner-Warwick technic] Graber P. Helv Chir Acta 37:515-7, Aug 70 (Ger)
[Plastic surgery for the reconstruction of the urethra] Marberger H. Helv Chir Acta 37:506-9, Aug 70 (Ger)
[Plastic surgery of the bladder] Mayor G. Helv Chir Acta 37:498-501, Aug 70 (Ger)
[Plastic surgery following trauma and excision of tumors of the head and neck] Meyer R. Helv Chir Acta 37:296-317, Jun 70 (Ger)
[Experimental elongation tracheoplasty] Uhlschmid G. Helv Chir Acta 38:207-10, Apr 71 (Ger)
[A modification of the Denis-Browne method in the treatment of hypospadias] Wandschneider G. Helv Chir Acta 37:518-9, Aug 70 (Ger)
[Plastic surgery of the bladder] Zingg E. Helv Chir Acta 37:494-7, Aug 70 (Ger)
[Splinting and wire traction as aids in plastic surgery] Breckwoldt E, et al. Monatsschr Unfallheilkd 73:579-85, 1970 (Ger)
[Effect of traumanase on postoperative edemas and hematomas following cosmetic surgery] Vogt-Suter T. Praxis 59:712-3, 12 May 70 (Ger)
[Radiation syndromes and their consequences in maxillo-facial surgery] Gabka J. Stoma (Heidelb) 24:71-92, May 71 (Ger)
[Plastic covering of extensive 3d degree burns] Santler R, et al. Wien Klin Wochenschr 82:156-60, 27 Feb 70 (Ger)
[Plastic surgery of the acetabular roof with iliac crest bone chips. (Results and analysis)] Exner G. Z Orthop 108:1-15, Jul 70 (Ger)
[Tracheal tumors and tracheal reconstruction using tissue compatible adhesives] Sailer R. Zentralbl Chir 95:1057-9, 5 Sep 70 (Ger)
[Results in Strassmann's operation] Kayser W. Zentralbl Gynaekol 93:231-3, 13 Feb 71 (Ger)
[Correction of abnormalities of the upper lip] Dénes J, et al. Fogorv Sz 64:1-4, Jan 71 (Hun)
[Plastic surgery for penile denudation] Tóth J, et al. Orv Hetil 111:2551-2, 25 Oct 70 (Hun)
[What the general practitioner should know about plastic surgery] Zoltán J. Orv Hetil 111:2065-6, 30 Aug 70 (Hun)
[Findings on pedicled flap grafts of temporal muscle in cavities caused by petromastoidectomy. (Considerations on 107 cases of musculomastoidoplasty)] Gandolfi M, et al. Arch Ital Otol 81:33-42, Jan-Feb 70 (Ita)
[Spongostan film in plastic surgery] Fabri S. Minerva Chir 26:193-200, 28 Feb 71 (Ita)
[Mastoplasty by the Pitanguy method] Piotti F. Minerva Chir 26:173-85, 28 Feb 71 (Ita)
[Reconstructive and plastic surgery of the maxillo-facial region] Ogino Y. J Otolaryngol Jap 73:1943-74, Dec 70 (Jap)
[Case of defect of the skull caused by severe electric burn wound] Arai K, et al. Jap J Plast Reconstr Surg 13:429-34, Sep 70 (Jap)
[Old fracture of the facial bone] Arai K, et al. Jap J Plast Reconstr Surg 14:316-24, Jul 71 (Jap)
[Bipedicle abdominal jump flap (Fujino-Harashina method)] Fujino T. Jap J Plast Reconstr Surg 13:389-95, Sep 70 (Jap)
[Experience in the use of CI-581 (Ketalar) in plastic surgery] Hamamoto J, et al. Jap J Plast Reconstr Surg 13:441-9, Sep 70 (Jap)
[Skin graft of the eyelid. 1] Hariu K, et al. Jap J Plast Reconstr Surg 14:257-62, May 71 (Jap)
[Application of the flap from the trunk] Hirayama T. Jap J Plast Reconstr Surg 13:403-9, Sep 70 (Jap)
[Modified halving technic used in reconstruction of the eyelid margin] Ide A, et al. Jap J Plast Reconstr Surg 14:303-9, Jul 71 (Jap)
[Reconstruction of the fingers using flaps from the trunk] Kojima T, et al. Jap J Plast Reconstr Surg 14:234-50, May 71 (Jap)
[Jump flap from the abdominal region for reconstruction of the knee] Kurata K. Jap J Plast Reconstr Surg 13:416-22, Sep 70 (Jap)
[Changes in the design of various types of flaps from the trunk] Nanba K. Jap J Plast Reconstr Surg 13:383-8, Sep 70 (Jap)
[Successful flap construction in the trunk] Obara K, et al. Jap J Plast Reconstr Surg 13:396-402, Sep 70 (Jap)
[Congenital partial defect of the eyelid] Onizuka T, et al. Jap J Plast Reconstr Surg 14:310-5, Jul 71 (Jap)
[Delay in transfer of the flap constructed in the trunk] Shioya N. Jap J Plast Reconstr Surg 13:423-8, Sep 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Practical guide for the reconstructive surgery with the tubed pedicle flap] Takahashi R, et al. Jap J Plast Reconstr Surg 13:500-10, Nov 70 (Jap)
[Application of the flap from the trunk--methods of transfer] Tani T. Jap J Plast Reconstr Surg 13:410-5, Sep 70 (Jap)
[The 1st tentative list of terminology of plastic surgery. (2)] Jap J Plast Reconstr Surg 14:363-8, Jul 71 (Jap)
[Quantitative plastic surgery of incomplete blepharoptosis] Uchida J. Ophthalmology (Tokyo) 12:1018-23, Dec 70 (Jap)
[Theory and practice of Abbe flap. I] Hirayama T. Otolaryngology (Tokyo) 43:61-9, Jan 71 (Jap)
[Observation on the postoperative healing process of maxillary sinusitis within the sinus cavity after the maxillary osteoplastic operation by the Ogino and Caldwell-Luc method] Matsuyama T, et al. Otolaryngology (Tokyo) 43:133-7, Feb 71 (Jap)
[Evaluation of dermal overgrafting] Tsukada S, et al. Shujutsu 25:159-63, Feb 71 (Jap)
[Cancer of the breast implanted with foreign materials used for cosmetic and plastic surgery] Minagawa N, et al. Surg Ther (Osaka) 24:119-21, Jan 71 (Jap)
[Plastic surgery in general surgery departments] Ugland OM. Nord Med 85:605, 13 May 71 (Nor)
[Treatment of hypoplasia of the external and middle ear] Radziminski A. Otolaryngol Pol 24:389-94, 1970 (Pol)
[Median cleft of lower lip, mandible and tongue] Grocholski J, et al. Pol Przegl Chir 42:1129-33, Aug 70 (Pol)
[Use of methoxyflurane in plastic surgery] Cerqueira L do A. Rev Bras Anestesiol 20:573-5, Oct-Dec 70 (Por)
[Controlled hypotension with trimethaphan in plastic and otologic surgery] Pôrto AJ, et al. Rev Bras Anestesiol 20:462-8, Oct-Dec 70 (Por)
[Origin and development of contemporary plastic and restorative-reconstructive surgery in burns] Ar'ev TIa. Ortop Travmatol Protez 31:1-8, Aug 70 (Rus)
[Closure of defects of the facial skin after the removal of tumors] Brovkina VV. Stomatologiia (Mosk) 49:52-5, Sep-Oct 70 (Rus)
[Myoplasty in persistent facial paralysis] Velichko AL. Stomatologiia (Mosk) 49:58-61, Jul-Aug 70 (Rus)
[Research work at the Moscow Institute of Cosmetology, Ministry of Health RSFSR] Akhabadze AF. Vestn Dermatol Venerol 43:10-3, Aug 69 (Rus)
[Childhood surgery. Plastic surgery] Riggio GC. Arch Argent Pediatr 68:375-6, Dec 70 (Spa)
[Surgery of facial expression] Marino H. Prensa Med Argent 56:1586-8, 17 Oct 69 (Spa)
[Advance flaps in reconstruction of the lips] O'Connor CM, et al. Prensa Med Argent 57:1928-30, 18 Dec 70 (Spa)
[Cervicofacial incision for the radical dissection of the neck] Samengo LA. Prensa Med Argent 57:1181-2, 14 Aug 70 (Spa)
[Ocussive dressings in plastic surgery with skin flaps. Prevention of hemorrhages, hematomas and woundehiscences] Spadara A, et al. Prensa Med Argent 56:1661-3, 31 Oct 69 (Spa)
[Viewpoints on plastic reduction in mammary hypertrophy] Strömbeck JO. Nord Med 85:414, 1 Apr 71 (Swe)

ADVERSE EFFECTS

Eyelid deformities caused by the injection of silicone fluid. Rees TD, et al. Br J Plast Surg 24:125-8, Apr 71

EDUCATION

I'm against a rigid core curriculum prior to specialty training in plastic surgery. Chase RA. Plast Reconstr Surg 46:384-8, Oct 70
Post-graduate training in reconstructive plastic surgery in East Africa. Rees TD, et al. Plast Reconstr Surg 48:5-7, Jul 71

HISTORY

A chronologic history of cosmetic surgery. Rogers BO. Bull NY Acad Med 47:285-302, Mar 71
Historical review of the Z- and W-plasty. Revisions of linear scars. Borges AF. Int Surg 56:182-6, Sep 71
Historical notes on blepharoplasty. Dupuis C, et al. Plast Reconstr Surg 47:246-51, Mar 71
Who originated the Z-plasty? (Charles Pierre Denonvilliers). (Denonvilliers CP), Ivy RH. Plast Reconstr Surg 47:67-72, Jan 71
Personal recollections of the organization and founders of the American Association of Plastic Surgeons. Ivy RH. Plast Reconstr Surg 47:438-44, May 71
Notes on the conception, birth, and growth of the journal Plastic and Reconstructive Surgery--after 25 years of its existence. Ivy RH. Plast Reconstr Surg 47:552-6, Jun 71
The classic reprint: Graefe's first closure of a cleft palate. (Graefe G), McDowell F. Plast Reconstr Surg 47:375-6, Apr 71
Closure of cleft palate. (Liston R), McDowell F. Plast Reconstr Surg 48:167-9, Aug 71
The classic reprint. The palate suture. A newly discovered method to correct congenital speech defects. Dr. Carl Ferdinand von Graefe, Berlin. (Graefe CF von), May H. Plast Reconstr Surg 47:488-92, May 71
Observation on a congenital division of the soft palate and the uvula cured by means of an operation similar to that for a hare-lip. (Roux P), Morel-Fatio D. Plast Reconstr Surg 47:180-3, Feb 71
Some aspects of the character and personality of Jacques Joseph. (Joseph J), Natvig P. Plast Reconstr Surg 47:452-3, May 71
Dr. Suzanne Noël. The first woman to do esthetic surgery. (Noël S), Regnault P, et al. Plast Reconstr Surg 48:133-9, Aug 71
Carl Ferdinand von Graefe (1787-1840). (Graefe CF von), Rogers BO. Plast Reconstr Surg 46:554-63, Dec 70
The mysterious A. C. Valadier. (Ivy RH), Valadier AC. Plast Reconstr Surg 47:365-70, Apr 71
The classic reprint. Staphyloraphe, or palate-suture, successfully performed. (Stevens AH), Plast Reconstr Surg 48:61-4, Jul 71
A brief history of cosmetic surgery. Rogers BO. Surg Clin North Am 51:265-88, Apr 71
[History of plastic and reparative surgery] Meyer R. Rev Med Suisse Romande 88:538-44, Aug 68 (Fre)
[Plastic surgery of the face in the USSR] Mukhin MV. Vestn Khir 104:31-4, Apr 70 (Rus)

INSTRUMENTATION

A new instrument for rhytidoplasty. D'Assumpçao EA. Br J Plast Surg 23:301-2, Jul 70
The metal head cap. A delayed aid to the tagliacotian operation. Bautista BN, et al. Int Surg 55:297-8, Apr 71
An inexpensive aid for flap planning. The map mileage indicator. Flowers RS. Plast Reconstr Surg 47:505-6, May 71
Use of fiber optic bundles in plastic surgery. Grazer FM. Plast Reconstr Surg 48:28-31, Jul 71
[Experiences with Krömer's lateral ligament plastic surgery in the knee joint] Kyselka R, et al. Beitr Orthop Traumatol 17:406-11, Jul 70 (Ger)
[Skingraft forceps with fixation hooks] Hayashi K, et al. Jap J Plast Reconstr Surg 13:450-1, Sep 70 (Jap)
[Ultrasonic resection of bones and soft tissues in reconstructive surgery] Poliakov VA, et al. Vestn Khir 106:71-4, Apr 71 (Rus)

UTILIZATION

Cosmetic surgery should be done by plastic surgical residents in city hospitals. Coburn RJ. Plast Reconstr Surg 47:483-4, May 71

VETERINARY

[3 cases of cleft palate in young bulldogs] Watanabe Y, et al. Jap J Plast Reconstr Surg 14:251-6, May 71 (Jap)

SURGERY, VETERINARY see under VETERINARY

MEDICINE (G2)

SURGICAL DIATHERMY see under

ELECTROCOAGULATION (E2)

SURGICAL EQUIPMENT (E4, E5)

An appendage to the operating-table for ophthalmic microsurgery. Thorburn W. Acta Ophthalmol (Kbh) 48:500-1, 1970
Methods for microbiological testing of ethylene oxide sterilizing in hospital. Nyström B. Acta Pathol Microbiol Scand [B] 78:271, 1970
Instrument cabinet for retinal surgery. Hovland KR. Am J Ophthalmol 71:1335-7, Jun 71
New surgical light. Walsh TJ. Am J Ophthalmol 72:645-6, Sep 71
Pilot experience with the "Boerema button" in emergency management of bleeding esophageal varices. Burns GP, et al. Am J Surg 121:115-8, Feb 71
Early clinical experience with a disposable unit for the intraoperative salvage and reinfusion of blood loss (intraoperative autotransfusion). Klebanoff G. Am J Surg 120:718-22, Dec 70
Intracaval devices for the prevention of pulmonary embolism. Neimat SR, et al. Am J Surg 121:442-8, Apr 71
A third-degree burn secondary to faulty electrocautery ground. Anesth Analg (Cleve) 49:402-5, May-Jun 70
A carbon dioxide surgical laser. Hall RR, et al. Ann R Coll Surg Engl 48:181-8, Mar 71
Movable operating table top for use in tonsillectomy. Dawkins M. Br J Anaesth 42:741-2, Aug 70
Retinal detachment treated with encircling silastic sponge. Further experience. Chawla H. Br J Ophthalmol 55:331-7, May 71
Reduction of the microbial contamination of surgical wound areas by sterile laminar air-flow. Cook R, et al. Br J Surg 58:48-52, Jan 71
Iliac bone punch for psoas muscle transplants. Griffiths JC, et al. Br Med J 1:662, 20 Mar 71
New method of femoral hernia repair using a silastic stud. Know AJ, et al. Br Med J 1:604-5, 13 Mar 71
Heel cushion for use on the operating-table. Wadsworth TG. Br Med J 4:741, 19 Dec 70
Heel cushion on operating table. Williams B. Br Med J 2:47-8, 3 Apr 71
New sterilization and set-up technique for surgical kits. Charter D. Can Hosp 48:36 passim, Apr 71
Electrical hazards in the operating room, with special reference to electrosurgery. Taylor KW, et al. Can J Surg 13:362-74, Oct 70
The use of a shadowgraph for stereotactic surgery. Voris HC, et al. Confin Neurol 32:229-34, 1970
A microbiological study of hospital cloth surgical packs prior to sterilization. Lloyd RS, et al. Health Lab Sci 7:69-75, Apr 70
Disposable vs. cloth surgical drapes. Johnson HA. Ill Med J 140:143-6, Aug 71
Rigid clip for standardized hypertension in the rabbit. Brooks B, et al. J Appl Physiol 31:307-8, Aug 71
Use of membrane mirrors in surgical photography. Hansell P, et al. J Biol Photogr Assoc 38:176-8, Oct 70
A self-retaining retractor for transmaxillary surgery. Berkstein A, et al. J Laryngol Otol 84:959-61, Sep 70
Reconstruction of the innominate artery by means of a temporary heparin-coated shunt bypass. Murray GF, et al. J Thorac Cardiovasc Surg 62:34-41, Jul 71
Modification of an operating-room table for immediate radiographic evaluation of the urinary tract in the acute, severe trauma patient. Cass AS, et al. J Urol 105:569-70, Apr 71
A new electrosurgical unit: report on clinical trials. Dudzinski PJ, et al. J Urol 105:712-3, May 71
Victoria drip-stand. Smellie GD. Lancet 2:1167, 5 Dec 70
A CO2 laser for surgical research. Polanyi TG, et al. Med Biol Eng 8:541-8, Nov 70
Practical microsurgery. I. A choice of optical aids for fine work. Owen ER. Med J Aust 1:224-6, 30 Jan 71
Development of an anaesthetic apparatus for experimental surgery on rats. Dobson C, et al. Pharmacology 5:307-13, 1971
A simple monitor for operating room photography. Butler LC Jr. Plast Reconstr Surg 47:600-1, Jun 71
A fiber optic nasal retractor, and a lighted suction tip for use in rhinoplasty. Devine JW Jr, et al. Plast Reconstr Surg 47:90, Jan 71
A new cryocautery model. Hagiopol V, et al. Rom Med Rev 14:58-61, 1970
Careful technique with plastic intravenous catheters. Bolasny BL, et al. Surg Gynecol Obstet 132:1030-2, Jun 71
Advantages of silicone rubber vessel loop. Ersek RA, et al. Surg Gynecol Obstet 132:1067-8, Jun 71
Chocked-clip aneurysmorrhaphy. McFadden JT. Surg Gynecol Obstet 132:898, May 71
Control of bleeding in complicated peripheral vascular lesions. Thomas TV. Surg Gynecol Obstet 132:1015-8, Jun 71
An adjustable, semirigid retention suture guard. Engelsher HJ. Surgery 69:317-20, Feb 71
Evaluation of surgical masks: the potential of resin-treated wool. Garrow C, et al. Surgery 69:881-3, Jun 71
Rubber bands as a replacement for rubber-shod clamps. Partington PF. Surgery 68:737-40, Oct 70
Liver displacement to aid exposure during biliary operations. Sanders RJ. Surgery 69:155-6, Jan 71
A transcutaneous prosthesis for prolonged access to the peritoneal cavity. Striker GE, et al. Surgery 69:70-4, Jan 71
Maintenance of chest wall stability: a further report. Le Roux BT, et al. Thorax 26:424-8, Jul 71
[Glass light conductor as an aid for the extraction of lenses luxated in the vitreous body] Kubát Z, et al. Cesk Oftalmol 26:363-5, Nov 70 (Cze)
[Permanent electronic surveillance in surgery] Allaines C d', et al. Ann Chir 23:197-209, Feb 69 (Fre)
[Measure of the efficacy of surgical masks] Wagenknecht LV. J Chir (Paris) 101:65-70, Jan 71 (Fre)
[Demonstration of an apparatus and cryogenic probes, isolated thermally by empty sheath and functioning in a closed circuit] Benita M. J Physiol (Paris) 62:Suppl 2:333-4, 1970 (Fre)
[Control desk managed by hand for the motor surgery microscope model II of the Carl Zeiss firm, Oberkochen] Jensen VA. Acta Ophthalmol (Kbh) 48:943-4, 1970 (Ger)
[Positioning aid for operation on lumbar intervertebral disk prolapse] Tieth H. Beitr Orthop Traumatol 17:610-2, 1970 (Ger)
[Atraumatic forceps for microsurgery] Severin D. Ber Dtsch Ophthalmol Ges 70:93-4, 1970 (Ger)
[Suction-irrigation device with a roller pump] Sedlafik K, et al. Chirurg 41:237-8, May 70 (Ger)
[Modern colour TV-system in microsurgery of the ear] Cantus P. HNO 19:94-5, Mar 71 (Ger)
[The slit-lamp microscope in surgery of the cornea and the lens in children] Barraquer J. Klin Monatsbl Augenheilkd 158:161-71, Feb 71 (Ger)
[A simple device for surgery in gnotobiotic laboratory animals] Juhr NC. Z Versuchstierkd 13:177-8, 1971 (Ger)
[Experimental studies on several artificial materials for ear surgery using a transparent chamber inserted

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in the rabbit ear] Asahi N.
J Otolaryngol Jap 74:781-92, Apr 71 (Jap)
[Magnetic acoustic probe] Soma K.
J Otolaryngol Jap 73:1908-19, Dec 70 (Jap)
[Face injury caused by the prone position during surgery and a modified face-support apparatus] Nozaki H, et al. Jap J Anesthesiol 20:876-9, Jul 71 (Jap)
[Handy tube constructor] Arai K, et al.
Jap J Plast Reconstr Surg 14:330-2, Jul 71 (Jap)
[Simple mesh dermatome] Kojima K, et al.
Jap J Plast Reconstr Surg 14:269-70, May 71 (Jap)
[Improved hernia knife for lumbar vertebral disk hernia] Yamada K, et al.
Orthop Surg (Tokyo) 22:583-4, Jul 71 (Jap)
[Use of a balloon catheter as an aid to pulmonary valvectomy] Kimura M, et al.
Shujutsu 25:892-4, Jul 71 (Jap)
[Trial use of the V.I. Drape] Yasutomi T.
Surg Ther (Osaka) 24:219-22, Feb 71 (Jap)
[Cannulation of the external jugular vein with a plastic needle] Menezes RA.
Rev Bras Anestesiol 20:575-7, Oct-Dec 70 (Por)
[Disinfectants in clinical surgery] Gadzhiev SA, et al.
Khirurgiia (Mosk) 47:92-5, Jan 71 (Rus)
[Use of a suturing apparatus in surgery on the thyroid gland] Romashov FN, et al.
Khirurgiia (Mosk) 46:135-8, Jul 70 (Rus)
[Hemostatic paste as filling material] Shrago MI, et al.
Klin Khir 1:77-8, Jan 70 (Rus)
[Table attachment to the surgical table] Okhrimenko VE. Oftalmol Zh 25:391, 1970 (Rus)
[Improved construction of a dermatome with manual drive] Reut NI. Vestn Khir 106:134-5, Jan 71 (Rus)
[Treatment of cicatricial esophageal strictures with bougies of heterogenous peritoneum] Shusterov AI, et al. Vestn Khir 106:117-9, Mar 71 (Rus)
[Resection of the liver and removal of fibrous capsule with the use of 8-pi-shaped sutures and large clamps] Telkov NA. Vestn Khir 104:55-9, Apr 70 (Rus)
[Removal of an impacted foreign body from the left inferior lobe bronchus using a galvanocauter] Kupriashkin EA.
Vestn Otorinolaringol 32:89-90, Jul-Aug 70 (Rus)
[Development and method of using a surgical microscope in rhinology] Shevrygin BV.
Vestn Otorinolaringol 32:87-9, Jul-Aug 70 (Rus)
[Polyethylene strip for draining an open abscess of the brain] Gladkov AA.
Zh Ushn Nos Gorl Bolezn 29:118, Jul-Aug 69 (Rus)
[Auxiliary table to operating table for otolaryngological operations] Nastich NA.
Zh Ushn Nos Gorl Bolezn 31:98-9, May-Jun 71 (Rus)
[Extraction method in surgery] Bein E.
Srp Arh Celok Lek 98:545-68, Apr 70 (Ser)
[An arch for neck surgery] Rosemberg V, et al.
Prensa Med Argent 56:1620-1, 17 Oct 69 (Spa)

ADVERSE EFFECTS

Thrombogenic experience with intravascular heat exchangers. Huffman FN, et al. Chest 58:590-7, Dec 70
[Some comparative data on the use of rubber and plastic products in surgery] Vedenko BG.
Klin Khir 11:64-5, Nov 70 (Rus)

HISTORY

Oxygenator: Bayeux-Richard. Rittey DA.
Cent Afr J Med 16:263-4, Nov 70
5000 years of orthopaedics in India. Duraiswami PK, et al. Clin Orthop 75:269-80, Mar-Apr 71

VETERINARY

The use of modern bone-plating equipment in small animal orthopedics. Horne RD.
Vet Med Small Anim Clin 66:575-84, Jun 71
[A movable, large-animal operating table for use in limb surgery] Knezevic PF.
Wien Tieraerztl Monatsschr 58:173-6, 1971 (Ger)
[Apparatus for stabilizing the head of sheep] Popov IuA. Veterinariia 8:86-7, Aug 70 (Rus)
[Surgical table for small animals] Ziubin IN.
Veterinariia 8:88, Aug 70 (Rus)

SURGICAL INSTRUMENTS (E4)

Instruments for perforation of skin grafts. Gimmelfarb AL. Acta Chir Plast (Praha) 12:255-9, 1970
New eyelid clamp. Anwar M.
Am J Ophthalmol 70:859, Nov 70
A combined localizer and scleral marker for retinal detachment surgery. Chawla H.
Am J Ophthalmol 70:852-3, Nov 70
Metallic foreign body removed from tear duct. Lashkari MH. Am J Ophthalmol 72:483-4, Aug 71
Catheter retrieval of foreign body from the gastrointestinal tract. Case report and discussion. Bilbao MK, et al.
Am J Roentgenol Radium Ther Nucl Med 111:473-5, Mar 71
A needle designed for suture ligation of a bleeding duodenal ulcer. Crow RW, et al.
Am J Surg 120:558, Oct 70
A new noncrushing intestinal clamp. Masters H.
Am J Surg 121:752, Jun 71
Transvenous removal of catheter emboli from the heart and great veins by endoscopic forceps. Smyth NP, et al. Ann Thorac Surg 11:403-8, May 71
Chalazion clamp for dermatological surgery. Garcia RL, et al. Arch Dermatol 102:693, Dec 70
Three surgical instruments for cleft lip-palate repair. Boo-Chai K. Br J Plast Surg 24:216-7, Apr 71
A new instrument for rhytidoplasty. D'Assumpçao EA.
Br J Plast Surg 23:301-2, Jul 70
Useful scissors for fine dissecting. Kaye BL.
Br J Plast Surg 24:319-20, Jul 71
Hook needle and retractor for posterior urethroplasty. Mitchell JP. Br J Urol 42:599-600, Oct 70
An instrument for ureteric catheterisation. Pearson BS. Br J Urol 42:596, Oct 70
Disposable vein strippers. Dickinson KM.
Br Med J 2:524, 29 May 71
Fine continuous-feed aneurysm needle. Dowling BL.
Br Med J 4:677, 12 Dec 70
A stomal clamp. Lumley JS, et al.
Br Med J 1:604, 13 Mar 71
New endarterectomy forceps. Martin P.
Br Med J 1:283, 30 Jan 71
Vasectomy clamp. Tinckler L. Br Med J 2:395, 15 May 71
The RF thermoseed--a thermally self-regulating implant for the production of brain lesions. Burton C, et al. IEEE Trans Biomed Eng 18:104-9, Mar 71
The cervical vertebra spreader. Evolution of a surgical instrument. Cloward RB. Int Surg 55:1-7, Jan 71
A new device for easier gastrotomy. Kitahara T.
Int Surg 54:68-70, Jul 70
Irrigation technique for use with the newer air drills. Seldin EB. J Oral Surg 29:151, Feb 71
An aid for amputations of the leg. Feldman MA.
J R Coll Surg Edinb 16:52, Jan 71
The Inge bone spreader as an aid for operation at the posterior urethra and vesical neck. Labardini MM.
J Urol 105:800-1, Jun 71
Nitrous-oxide-cooled neurosurgical cryoprobe. Wright BM. Lancet 1:951-2, 8 May 71
A new mini-corkscrew for bronchoscopic foreign bodies. Schaller R, et al.
Laryngoscope 80:1740-3, Nov 70
Are disposables really economical? Ravitch MM.
Med Times 99:145 passim, Mar 71
Urethrovesical suspension for female urinary incontinence: refinements of INCO needle. Tauber R.
Obstet Gynecol 36:795-9, Nov 70
Needles for percutaneous renal biopsy in infants and children. Metcoff J. Pediatrics 46:788-9, Nov 70
The advantage of a straight needle in microsurgery. Buncke HJ Jr, et al.
Plast Reconstr Surg 47:602-3, Jun 71
Use of fiber optic bundles in plastic surgery. Grazer FM. Plast Reconstr Surg 48:28-31, Jul 71
The skin "spider". McGibbon B, et al.
Plast Reconstr Surg 47:299-300, Mar 71
A simplified clamp for hepatic resection. Storm FK, et al. Surg Gynecol Obstet 133:103-4, Jul 71
Sponge stick aspiration: a new technique. Heimlich HJ.
Surgery 69:137-8, Jan 71
Aortic occluder: a new instrument. Nobis PD.
Surgery 68:805, Nov 70
Pulmonary artery banding: an improved technique with a new instrument. Williams GD.
Surgery 69:478-9, Mar 71
A new instrument for closed mitral commissurotomy: 10 years' experience. Sancho-Fornos S, et al.
Thorax 26:486-7, Jul 71
Silicone sponge forceps. O'Connor PR.
Trans Am Acad Ophthalmol Otolaryngol 75:649, May-Jun 71
Ocular compressor and fixator. Schimek RA, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:654, May-Jun 71
Self-illuminated fiber optic lid speculum. Schimek RA, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:655, May-Jun 71
A needle stabilizer for corneal foreign body removal. Weaver JH.
Trans Am Acad Ophthalmol Otolaryngol 75:660-1, May-Jun 71
Improved suspension laryngoscope for use with operative microscope. Woodrow JH.
Trans Am Acad Ophthalmol Otolaryngol 75:412, Mar-Apr 71
Some new microsurgical techniques. Pierse D.
Trans Ophthalmol Soc UK 89:355-8, 1970
Instrumentation in orbital surgery. Watson PG.
Trans Ophthalmol Soc UK 90:283-8, 1970
[Tendencies in the development of diagnostic and endoscopic surgical instruments] Mauermayer W.
Urologe 10:134-9, May 71
[Aid to current obstetric diagnosis] Marchev S.
Akush Ginekol (Sofiia) 9:336-9, 1970 (Bul)
[Instruments for ophthalmologic microsurgery] Veselý L. Cesk Oftalmol 27:179-80, May 71 (Cze)
[New instruments for artificial laceration of the amniotic membranes. 1. Thimble with small teeth. 2. Stem with small teeth. 3. Stem with small teeth and protective system] Traian R.
Bull Fed Soc Gynecol Obstet Lang Fr 22:493-4, Nov-Dec 70 (Fre)
[Our method with Teulières' microdrill in treatment of ocular hypertonia] Goddé-Jolly D, et al.
Bull Soc Ophtalmol Fr 69:458-61, Apr 69 (Fre)
[Vacuum extractor in surgery] Beine E.
Maroc Med 49:636-92, Dec 69 (Fre)
[Resetting forceps for fractures of the elbow and the Volkmann's triangle] Eimendorff HF von.
Chirurg 41:90-1, Feb 70 (Ger)
[A new needle holder for microsurgery] Eisner G.
Klin Monatsbl Augenheilkd 157:839-40, Dec 70 (Ger)
[Punctum lacrimale perforator] Lang J.
Klin Monatsbl Augenheilkd 158:601-2, Apr 71 (Ger)
[Forceps for transrenal nephric fistulation] Elsässer E.
Urologe 10:112-3, May 71 (Ger)
[New chip-removing chisel for spondylodesis] Zielke K. Z Orthop 108:152-4, Jul 70 (Ger)
[Special gouge forceps for spondylodesis of lumbar segments] Zielke K. Z Orthop 109:344, May 71 (Ger)
[Hook holder for the g-trigger of Harrington's instrument] Zielke K.
Z Orthop 109:340-1, May 71 (Ger)
[An apparatus for transventricular mitral valvulotomy] Huth JH, et al.
Zentralbl Chir 95:1120-2, 19 Sep 70 (Ger)
[Removal of bladder calculi by means of loops] Ludwig O, et al. Zentralbl Chir 95:346-9, 14 Mar 70 (Ger)
[Testing of glutaraldehyde, a new synthetic bactericidal and sporicidal drug, on some surgical and anesthesiological instruments] Carboncini P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:345-52, 1968 (Ita)
[Use of diamond knives in eye surgery] Grignolo A, et al. Boll Ocul 48:295-301, May 69 (Ita)
[On sustained-release of additives by surgical devices and containers mad of PVC for pharmaceutical use. II. Quantitative determination of alkylic phthalates released into biological fluids] Schettino O, et al.
Boll Soc Ital Biol Sper 45:1341-4, 15 Nov 69 (Ita)
[On sustained-release of additives by surgical devices and containers made of PVC for pharmaceutical use. I. Chromatographic demonstration of plasticizers with bases of alkyl citrates and phthalates] Schettino O, et al. Boll Soc Ital Biol Sper 45:1337-40, 15 Nov 69 (Ita)
[Forceps for removal of stitches] Hayashi K, et al.
Jap J Plast Reconstr Surg 14:271-2, May 71 (Jap)
[Aortic needle-vent] Komatsu S.
Jap J Thorac Surg 23:900, Dec 70 (Jap)
[What preparations are necessary for microsurgery?] Kogure F.
Ophthalmology (Tokyo) 13:47-54, Jan 71 (Jap)
[Review on operations and operative instruments, 1960] Matsuzaki H, et al.
Ophthalmology (Tokyo) 13:101-20, Feb 71 (220 ref.) (Jap)
[Blunt hook for the reconstruction of the nasolacrimal duct] Miyake M.
Ophthalmology (Tokyo) 13:281, Mar 71 (Jap)
[Extraction of varicose vein using the guitar string] Chiba T, et al. Shujutsu 24:1570-2, Dec 70 (Jap)
[Direct vision gastroforceps invented by the author] Daido R. Shujutsu 25:324-7, Mar 71 (Jap)
[New emergency treatment table] Iwama J.
Shujutsu 25:507-9, Apr 71 (Jap)
[Treatment of congenital cataract. Surgical technic and preparation of a practical canula] Lemos E.
Rev Bras Oftalmol 29:387-8, Dec 70 (Por)
[Perforator of the heart septum] Kir'iakulov GS.
Grudn Khir 12:111-4, Jul-Aug 70 (Rus)
[Instruments for surgery on the biliary tract] Kalinina TV. Khirurgiia (Mosk) 46:121-2, Nov 70 (Rus)
[Modification of the trocar and system of draining the pleural cavity in spontaneous nontubercular pneumothorax] Borisko AS.
Klin Khir 7:76-7, Jul 70 (Rus)
[Hooks for widening wounds in obese patients] Chalganov AI. Klin Khir 7:78, Jul 70 (Rus)
[Probe-bougie with replaceable tips used for surgery on the biliary tract] Glivenko IuA.
Klin Khir 9:88-9, Sep 70 (Rus)
[Bougie-guide for retrograde drainage of the urinary bladder with a rubber tube thru the urethra] Vedenko BG, et al. Klin Khir 8:71, Aug 70 (Rus)
[Forceps for tying biological sutures] Cheredнichenko VM. Oftalmol Zh 25:390, 1970 (Rus)
[Set of optical manual bone cutters] Chernik IT.
Oftalmol Zh 26:70-1, 1971 (Rus)
[Use of a hollow needle to guide a polyethylene thread into the lacrimal canal during its stricture] Lisichenko BI, et al. Oftalmol Zh 26:73, 1971 (Rus)
[Scarificator with an incision depth restrictor] Popov GP. Oftalmol Zh 26:151-2, 1971 (Rus)
[Dacryocystorhinostomy using a trephine for the creation of a bony crifice and a needle for placing deep sutures on the mucosa] Starchak MI.
Oftalmol Zh 25:389-90, 1970 (Rus)
[Instruments for surgery on the flexor tendons of the fingers] Knishevitskiĭ VM.
Ortop Travmatol Protez 32:75-6, Apr 71 (Rus)
[Instrument for performing periosseous ligature] Maz'ia VB.
Ortop Travmatol Protez 32:82-3, Feb 71 (Rus)
[A modified Kerger's needle in Kostechka's operation]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Sukachev VA.
Stomatologiia (Mosk) 50:82, Jan-Feb 71 (Rus)
[Wound dilator in rectal surgery] Smirnov VE.
Vestn Khir 102:117-8, May 69 (Rus)
[Use of fibrous optical instruments in ophthalmosurgery] Gundorova RA, et al.
Vestn Oftalmol 4:38-41, 1970 (Rus)
[New eyelid retractor and means for preventing pressure on the eyeball during surgery] Vodovozov AM. Vestn Oftalmol 2:84-5, 1971 (Rus)
[Microcutters for surgery on the stapes to improve hearing] Patiakina OK.
Vestn Otorinolaringol 32:86-7, Jul-Aug 70 (Rus)
[Preparation of wire-teflon prostheses and instruments facilitating their use] Tsukerberg LI.
Vestn Otorinolaringol 33:106-7, Jan-Feb 71 (Rus)
[New design of an adjustable and fixable ear funnel] Reznik IE.
Zh Ushn Nos Gori Bolezn 31:101-2, May-Jun 71 (Rus)
[Percutaneous pulmonary biopsy. Experience with Stig Radner's instruments] Schaposnik F, et al.
Prensa Med Argent 57:2141-6, 29 Jan 71 (Spa)
[Auricular septostomy in congenital cardiopathies. Use of a new instrument] Arguero Sanchèz R, et al.
Prensa Med Mex 36:10-6, Feb 71 (Spa)

HISTORY

5000 years of orthopaedics in India. Duraiswami PK, et al. Clin Orthop 75:269-80, Mar-Apr 71
A brief history of the development of the Mayfield clip. Technical note. Mayfield FH, et al.
J Neurosurg 35:97-100, Jul 71
Doctor Gigli's saw and the closed mandibular osteotomy: an appraisal, a variation, and a report of case. (Gigli L), Tarsitano JJ, et al.
J Oral Surg 29:409-15, Jun 71
The Eureka needle. Nolan SP. Surgery 69:788-91, May 71
[The grave of a Roman physician]
Z Allgemeinmed 46:1347, 30 Sep 70 (Ger)
[From the history of surgical instruments]
Z Allgemeinmed 46:1348-9, 30 Sep 70 (Ger)
[On the approach to the prostatic-vesical segment (historic introduction)] Montorsi W, et al.
Atti Accad Med Lomb 23:111-38, Apr-Jun 68 (Ita)
[The origins of neurosurgery in prehistoric and protohistoric documents. II. The civilization of ancient Egypt] Massarotti M.
Minerva Neurochir 14:343-59, 1970 (Ita)

STANDARDS

When is a Kelly not a Kelly? Buying of surgical instruments requires more than a p.o. Cavalieri AP.
Hosp Manage 112:34, Jul 71
Standards on edge. Med J Aust 1:621-2, 20 Mar 71
[Quality control of delicate ophthalmologic instruments] Straub W, et al.
Ber Dtsch Ophthalmol Ges 70:326-30, 1970 (Ger)
[When the use of modern medical instruments is accompanied by the increase of surgical hazards] Kelemen E, et al. Orv Hetil 112:1125-6, 9 May 71 (Hun)

VETERINARY

[A horn drill for hoof and claw surgery. (Brief report)] Fessl L.
Dtsch Tieraerztl Wochenschr 78:272-3, 1 May 71 (Ger)

SURGICAL INSURANCE see under INSURANCE, HEALTH (N3)

SURGICAL MESH (E4)

Stainless steel wire mesh--an aid in difficult oral surgery problems. Bear SE, et al.
J Oral Surg 29:27-34, Jan 71
Ventral hernia coverage with Silon after correction of congenital diaphragmatic hernia. Mahour GH, et al.
J Pediatr Surg 6:75, Feb 71
Reconstruction of the dural canal in myelomeningocele. Case report. Bartal AD, et al.
Plast Reconstr Surg 47:87-9, Jan 71
[Utilization of an antibiotic semi-fatty dressing and an antibiotic and anti-inflammatory semi-fatty dressing in general surgery and current traumatology] Capuano G, et al. Ann Chir 25:575-83, Jun 71 (Fre)
[Histological image of implanted plastic mesh] Uhlíř M, et al. Zentralbl Gynaekol 93:816-23, 12 Jun 71 (Ger)
[Mesh graft in ulcus cruris] Brunner U, et al.
Zentralbl Phlebol 10:116-20, 1971 (Ger)
[Treatment of prolapse of the genital and urinary incontinence in women by fixation of the uterus and urinary bladder with lethylan-lavsan tape] Davydov SN, et al. Akush Ginekol (Mosk) 46:63-5, Oct 70 (Rus)
[Alloplasty of defects of the abdominal and thoracic walls with plastic materials following removal of tumors] Kotsiubinskiĭ IG.
Khirurgiia (Mosk) 45:41-6, Sep 69 (Rus)
[Treatment of lumbar hernia using heterologous grafts] Manzi HM.
Prensa Med Argent 56:1672-3, 31 Oct 69 (Spa)

SURGICAL NURSING (G2)

Nursing records of patients' operations. Hull EH.
Am J Nurs 7:1156-7, Jun 71
Is the operating room nurse part of a vanishing breed? Charter D. Can Hosp 47:56-7, Nov 70
Caring for the surgical patient. Miale JE.
Hospitals 45:72-4, 1 Jul 71

EDUCATION

Survey shows how today's nurse gets OT training. Charter D. Can Hosp 48:32, Jul 71

SURGICAL REPLANTATION see REIMPLANTATION (E4)

SURGICAL STAPLERS (E4)

[Vascular microanastomosis using mechanical suture apparatus. Comparative study] Fontaine JL, et al.
Acta Otorhinolaryngol Belg 23:315-24, 1969
Improved technics using the bowel stapling clamps in nineteen consecutive gastric resections. Dickman RW. Am J Surg 121:628-30, May 71
The use of autosuture instrument in gastro-intestinal surgery. Weil PH, et al.
Bull Soc Int Chir 29:125-8, Mar-Apr 70
A simple method for closure of the Potts anastomosis with a mechanical stapler. Leand PM, et al.
J Thorac Cardiovasc Surg 62:285-9, Aug 71
Automatic staplers for vaginal hysterectomy and colpoplasties. Albert RO.
Obstet Gynecol 37:297-307, Feb 71
Auto-suture in abdominal hysterectomy. Kahn E.
Obstet Gynecol 37:852-4, Jun 68
Clinical experience with autosuture instruments. Steichen FM. Surgery 69:609-16, Apr 71
[Comparison in humans of esophagogastric anastomosis with the PKS 25 stapler and with sutures] Maillard JN, et al. Ann Chir 25:569-73, Jun 71 (Fre)
[Vascular microanastomosis using mechanical suture apparatus. Comparative study] Fontaine JL, et al.
J Chir (Paris) 101:315-24, Mar 71 (Fre)
[Insufficiency quota following the use of surgical staplers in bronchial occlusion] Konrad RM, et al.
Thoraxchirurgie 19:179-81, Jun 71 (Ger)
[Alloplastic heart valve implantation technic: simplification by using a staple-clamp] Lucas M, et al.
Thoraxchirurgie 19:47-8, Feb 71 (Ger)
[Use of staplers UKL-60 and UKL-40 in surgery of the stomach] Piętniewicz J.
Pol Przegl Chir 42:1350-3, Sep 70 (Pol)
[Mechanical suture in the surgery of peripheral nerves] Boev IuM.
Khirurgiia (Mosk) 47:120-6, Feb 71 (Rus)
[Modification of cyacrin glue and the possibility of its use in surgery] Solov'ev GM, et al.
Khirurgiia (Mosk) 47:129-33, Jan 71 (Rus)
[Mechanical suture in vascular surgery] Zakharova GN, et al. Khirurgiia (Mosk) 47:116-23, Jan 71 (Rus)
[Experience with the use of UKB-25 for suturing pharyngeal defects in laryngectomy] Sorokina RV.
Zh Ushn Nos Gori Bolezn 31:68, May-Jun 71 (Rus)
[Circular thread. Practical instrument] Soiza JA, et al.
Arch Oftalmol B Aires 45:191-2, May 70 (Spa)

ADVERSE EFFECTS

Foreign body granuloma following anastomosis with the anastomotic stapler. Dickinson J.
J Pediatr Surg 6:489, Aug 71

HISTORY

[Fibula--suture or clamp?] Benedum J.
Gesnerus 27:20-56, 1970 (Ger)

SURGICAL WOUND DEHISCENCE (C17)

Abdominal wound dehiscence after caesarean section. Mowat J, et al. Br Med J 2:256-7, 1 May 71
Rate of revascularization in primary and disrupted wounds. Myers MB, et al.
Surg Gynecol Obstet 132:1005-8, Jun 71
[Wound dehiscence following laparotomy] Amann E, et al. Chirurg 42:133-40, Mar 71 (Ger)
[A case of false aneurysm of the thoracic aorta] Donadel G, et al.
Acta Chir Ital 26:511-9, Nov-Dec 70 (Ita)
[Direct arterial surgery: local complications. I. Lacerations, dissections, stenosis, dehiscence, embolism, aneurysmatic dilation and hemorrhage] Bianchi M, et al.
Arch Sci Med (Torino) 127:36-64, Jan-Mar 70 (Ita)

COMPLICATIONS

The vitreous wick syndrome. A late complication following cataract extraction. Ruiz RS, et al.
Am J Ophthalmol 70:483-90, Oct 70
[Suture aneurysm following alloplastic blood vessel reconstruction] Giessler R, et al.
Langenbecks Arch Chir 322:992-6, 1968 (Ger)
[Delayed puerperal hemorrhage caused by necrotic dehiscence of the hysterotomy suture] Perez E.
Rev Chil Obstet Ginecol 35:30-2, 1970 (Spa)

ETIOLOGY

Frequency of wound complications after surgery for small bowel obstruction. Larsen E, et al.
Am J Surg 122:384-6, Sep 71
Inverted versus everted gastrointestinal anastomoses: the role of the everted mucosa in anastomotic breakdown. Hearn D, et al. Am Surg 36:728-30, Dec 70
A long-term failure of prosthetic graft in coarctation. Berroya RB, et al.
J Cardiovasc Surg (Torino) 11:329-32, Jul-Aug 70
Cause and repair of large incisional hernias. Boerema I. Surgery 69:111-6, Jan 71
[Abdominal rupture as a complication after gynecologic operations] Schneck P, et al.
Zentralbl Gynaekol 92:1562-8, 21 Nov 70 (Ger)
[Conditions contributing to eventration following surgery on the organs of the hepato-pancreatico-duodenal zone] Rozanov BS, et al.
Vestn Khir 106:38-41, Apr 71 (Rus)

MORTALITY

[Surgical wound dehiscence in esophageal anastomosis following gastrectomy and cardia resection] Häring R, et al. Langenbecks Arch Chir 328:295-310, 1971 (Ger)

OCCURRENCE

Wound dehiscence with keratoplasty: complication of the continuous-suture technique. Brown SI, et al.
Am J Ophthalmol 72:115-6, 30 Jul 71
Everting and inverting anastomoses. An experimental study of comparative safety. Abramowitz HB.
Rev Surg 28:142, Mar-Apr 71

PREVENTION & CONTROL

Effects of corticosteroids on corneal thickness following penetrating keratoplasty. Wind CA, et al.
Am J Ophthalmol 71:1018-22, May 71
The prevention of suture line insufficiency using cuffed synthetic vascular grafts. Robicsek F, et al.
Ann Thorac Surg 11:57-60, Jan 71
Tearing out of peritoneal suture. Patkin M.
Med J Aust 1:874, 17 Apr 71
An adjustable, semirigid retention suture guard. Engelsher HJ. Surgery 69:317-20, Feb 71
[Prevention of wound dehiscence] Jorns G, et al.
Zentralbl Chir 95:1150-5, 26 Sep 70 (Ger)
[Selective preventive drainage and dehiscence of the duodenal stump] Arányi S, et al.
Orv Hetil 112:34-5, 3 Jan 71 (Hun)
[Use of anabolic agents in heart surgery] Gomes JM, et al. Hospital (Rio de J) 78:1101-7, Oct 70 (Por)

SURGERY

Classification of pharyngostomes: a guideline for closure. Bellinger CG.
Plast Reconstr Surg 47:54-60, Jan 71
Cause and repair of large incisional hernias. Boerema I. Surgery 69:111-6, Jan 71
[Treatment and evaluation of large cicatrical hernias] Kadach D. Chirurg 42:34-7, Jan 71 (Ger)
[Use of homologous dura mater, preserved in glycerin, in the treatment of incisional hernia] Lex A, et al.
Rev Paul Med 77:123-8, Apr 71 (Por)

SURGICAL WOUND INFECTION (C1, C17)

Post-operative wound infection. Predisposing factors and the effect of a reduction in the dissemination of staphylococci. Bruun JN.
Acta Med Scand [Suppl] 514:Suppl 514:3+, 1970
Post-operative wound complications. Slimes A, et al.
Acta Obstet Gynecol Scand 49:255-8, 1970
Biliary bacteremia. Chetlin SH, et al.
Arch Surg 102:303-7, Apr 71
Electrolyte changes and serious complications after hypertonic saline instillation. Berkowitz RL.
Clin Obstet Gynecol 14:166-78, Mar 71
A study of major postoperative wound sepsis. Koota GM. Mt Sinai J Med NY 37:590-602, Sep-Oct 70
Gram negative bacilli infection in the surgical field. Second report. Shibata K, et al.
Nagoya Med J 16:137-54, Feb 71
A study of bacteremia following wound lavage. Gross A, et al. Oral Surg 31:720-2, May 71
Surgical problems of kidney transplantation. Nielubowicz J, et al. Pol Med J 10:348-62, 1971
Infection in total prosthetic replacement of the hip and knee joints. Roles NC. Proc R Soc Med 64:836-8, Jun 71
Pelvic sepsis resulting from diverticulitis. Colcock BP.
Surg Clin North Am 50:1003-7, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Wound infection] Siboni K.
Ugeskr Laeger 133:807-8, 30 Apr 71 (Dan)
[Infectious complications of osteosynthesis] Proyard G. Acta Chir Belg 68:107-12, Feb 69 (Fre)
[Analysis of complications after legal interruption of pregnancy in Poland] Chroscielewski E.
Med Leg Domm Corpor (Paris) 3:16-7, Jan-Mar 70 (Fre)
[Infections after surgery of the lungs, the mediastinum and the chest wall] Konrad RM, et al.
Thoraxchirurgie 18:332-6, Aug 70 (Ger)
[The problem of infection after tracheotomy] Linder E.
Thoraxchirurgie 18:346-8, Aug 70 (Ger)
[Pacemaker and infection] Seling A, et al.
Thoraxchirurgie 18:336-45, Aug 70 (Ger)
[Direct arterial surgery: local complications. II. Infections, arterio-intestinal fistula, thrombosis, complications of prostheses and grafts] Raso AM, et al. Arch Sci Med (Torino) 127:65-108, Jan-Mar 70 (Ita)
[Statistical evaluation of the reasons of postoperative infections in orthopedic surgery] Kamiński J, et al.
Chir Narsadow Ruchu Ortop Pol 36:37-43, 1971 (Pol)
[Purulent infections of postoperative wounds] Witwicki T, et al. Wiad Lek 24:719-26, 15 Apr 71 (Pol)
[Suppurative infection in heart surgery] Burakovskiĭ VI, et al. Khirurgiia (Mosk) 46:81-7, Aug 70 (Rus)
[Surgical staphylococcal sepsis] Aronin AE, et al.
Klin Khir 9:64-6, Sep 69 (Rus)
[Miles' postoperative perineal fistula] Galvan ES, et al.
Prensa Med Argent 56:1657-60, 24 Oct 69 (Spa)
[Healing of surgical wounds following gynecologic operations] Podhorová M, et al.
Bratisl Lek Listy 56:73-7, 1971 (Slo)

CHEMICALLY INDUCED

[Granulomatous peritonitis due to glove powder] Bastien E, et al.
Union Med Can 98:1307-13, Aug 69 (Fre)

COMPLICATIONS

Cervical osteomyelitis complicating pharyngeal resection. Biller HF, et al.
Arch Otolaryngol 94:165-8, Aug 71
Necrotizing fasciitis. Wyrick WJ Jr, et al.
Rev Surg 28:143, Mar-Apr 71
[Pediculated epiplopiasty in the treatment of infected vascular prostheses] Bonneton G, et al.
Chirurgie 97:185-9, 17 Feb 71 (Fre)
[Gangrene of the abdominal wall due to Clostridium bifermentans] Bittner J, et al.
Sem Hop Paris 47:1900-4, 20 Jun 71 (Fre)
[Postoperative bacterial hepatitis] Oliveira CA, et al.
Rev Assoc Med Bras 17:155-60, May 71 (Por)

DRUG THERAPY

A new look at diabetes mellitus and infection. Robson MC. Am J Surg 120:681-2, Dec 70
Broad-spectrum penicillins and other antibiotics in the treatment of surgical infections. Rutenburg AM, et al.
Ann NY Acad Sci 145:451-63, 27 Sep 67
Clindamycin in the treatment of minor surgical infections. Bourns HK, et al.
Br J Clin Pract 24:331-3, Aug 70
Subconjunctival gentamicin. Goulstine DB, et al.
Br J Ophthalmol 55:478-80, Jul 71
The effect of an antibiotic spray in the prevention of wound infection. A controlled trial. Jackson DW, et al.
Br J Surg 58:565-6, Aug 71
Sulfamylon, an adjunct in the treatment of indolent wounds: a preliminary report. Ganchrow MI, et al.
Dis Colon Rectum 14:24-8, Jan-Feb 71
Gentamycin in surgery. Thorban W.
G Ital Chemioter 16:368-9, Jan-Sep 69
Chronic pseudomonas osteomyelitis. Report on the use of gentamicin sulphate in three cases. Schroeder SA, et al. J Bone Joint Surg [Am] 52:1611-7, Dec 70
[Use of thiamphenicol in obstetrical practice (apropos of 54 cases)] Leng JJ. Bord Med 4:249-52, Jan 71 (Fre)
[Value of staphylomycin in cervico-facial surgery] Soudant J.
J Fr Otorhinolaryngol 18:503-6, Sep 69 (Fre)
[Clinical study of sodium fusidate in surgical staphylococcal infections] Philippe M, et al.
Lyon Med 222:461-5, 5 Oct 69 (Fre)
[Clinical experimentation with a new antiseptic in geeral surgery] Flastre Y.
Therapeutique 45:645-53, Jun-Jul 69 (Fre)
[Antibiotic effects of mixtures of polymethimethacrylate with antibiotics] Hessert GR, et al.
Arch Orthop Unfallchir 68:249-54, 15 Sep 70 (Ger)
[Pathogenesis and bases for treatment of bacterial infections after osteosyntheses] Hierholzer G.
Hefte Unfallheilkd 102:34-41, 1970 (Ger)
[Infections after osteosyntheses] Rehn J.
Hefte Unfallheilkd 102:52-6, 1970 (Ger)
[Bacterial content of the extirpated appendix and extirpated gallbladder following directed antibiotic therapy] Gyöngyössi G, et al.
Int Z Klin Pharmakol Ther Toxikol 4:309-17, Oct 70 (Ger)
[Bacterial content of the extirpated appendix and extirpated gallbladder following directed antibiotic therapy] Gyöngyössi G, et al.
Int Z Klin Pharmakol Ther Toxikol 3:309-17, Oct 70 (Ger)
[Use of gentamicin in neurosurgery] Fasano VA, et al.
G Ital Chemioter 16:363-7, Jan-Sep 69 (Ita)
[Use of gentamicin in some suppurative complications in the thoraco-pulmonary surgery] Moncalvo F, et al.
G Ital Chemioter 16:385-8, Jan-Sep 69 (Ita)
[The studies on the treatment of urinary tract or wound-fistula infections after the urological operations with local infusion of gentamicin] Furusawa T, et al. Acta Urol Jap 17:420-8, Jun 71 (Jap)
[Analgesic-enzymatic combination in gynecologic and obstetric surgery] Martins AD, et al.
Hospital (Rio de J) 77:2089-99, Jun 70 (Por)
[Use of a mucolytic-antibiotic combination in surgical infections] Cividanes JP, et al.
Rev Bras Med 27:427-33, Aug 70 (Por)
[Use of rifocin (rifamycin SV) in suppurative surgery of pulmonary tuberculosis] Gromova LS, et al.
Antibiotiki 15:1047-9, Nov 70 (Rus)
[Proteolytic enzymes and the prospects of their employment in surgery] Struchkov VI, et al.
Khirurgiia (Mosk) 46:110-6, Apr 70 (Rus)
[Leukomycin in the treatment of various infectious disorders of the skin and soft parts] Hernández B, et al. Prensa Med Mex 35:479-83, Nov-Dec 70 (Spa)
[Results obtained with the use of tetracycline-L-methylene-lysine in surgery] Raia A, et al. Rev Paul Med 76:99-106, Sep 70 (Spa)

ETIOLOGY

Post-operative wound sepsis in general surgery. V. The significance of open ward and cubicle. Jepsen OB, et al. Acta Chir Scand 136:261-70, 1970
Post-operative wound sepsis in general surgery. IV. Sources and routes of infection. Thomsen VF, et al.
Acta Chir Scand 136:251-60, 1970
Frequency of wound complications after surgery for small bowel obstruction. Larsen E, et al.
Am J Surg 122:384-6, Sep 71
Sources of postoperative wound infections with Staphylococcus aureus. Siebbeles HW.
Arch Chir Neerl 23:35-53, 1971
Very late wound infection due to retained fecalith. Sade RM. Arch Surg 101:624-5, Nov 70
Postoperative wound infection: a computer analysis. Davidson AE, et al. Br J Surg 58:333-7, May 71
Postoperative wound infection: a computer analysis. Davidson AI, et al. Br J Surg 57:847-8, Nov 70
Importance of the carrier state as a source of Staphylococcus aureus in wound sepsis. Calia FM, et al. J Hyg (Camb) 67:49-57, Mar 69
Angiographic hematomas complicating surgery. Olson JR Jr, et al. J Indiana State Med Assoc 64:123-4, Feb 71
[Morbidity in surgical treatment of cancer of the breast after irradiation] Mattheiem W, et al.
Bull Cancer (Paris) 56:483-8, Oct-Dec 69 (Fre)

IMMUNOLOGY

[Wound healing disturbances after splenectomy] Lennert KA, et al.
Munch Med Wochenschr 112:146-8, 23 Jan 70 (Ger)

MICROBIOLOGY

Infections with Providence bacilli. A clinical and bacteriologic study. Solberg CO, et al.
Am J Med 50:241-6, Feb 71
A bacteriological study of the immediate environment of a surgical wound. Davidson AI, et al.
Br J Surg 58:326-33, May 71
Effects of inflammation on wound repair. Burke JF.
J Dent Res 50:296-303, Mar-Apr 71
Gram-negative systemic bacteraemia in alimentary tract surgery. Burton RC.
Med J Aust 1:1114-5, 22 May 71
[Wound infection] Hegemann G.
Hefte Unfallheilkd 102:16-25, 1970 (Ger)

OCCURRENCE

Wound infections after preoperative depilatory versus razor preparation. Seropian R, et al.
Am J Surg 121:251-4, Mar 71
The relation between preoperative stay in hospital and postoperative infection. McEwin F.
Aust NZ J Surg 40:191-4, Nov 70
Ward design in relation to postoperative wound infection. II. Davidson AI, et al.
Br Med J 1:72-5, 9 Jan 71
Epidemiology of surgical ward infection. Fakhr MM, et al. J Egypt Public Health Assoc 45:470-84, 1970
Trauma workshop report: infections, immunology, and gnotobiosis. Altemeier WA, et al.
J Trauma 10:1084-6, Nov 70
Case closed--wound open. McLaren CG.
Nurs Times 66:1452-3, 12 Nov 70
Sepsis in human renal transplantation. McDonald JC, et al. Surgery 69:189-93, Feb 71
[Postoperative wound infection. The epidemiology of staphylococcal infection in a surgical ward] Jepsen OB. Ugeskr Laeger 133:797-802, 30 Apr 71 (Dan)
[Septic complications occurring in patients hospitalized in 1966 at the Clinique Chirurgicale Orthopedique et Réparatrice de l'Hôpital Cochin. Statistical aspects] Merle d'Aubigné R, et al.
Mem Acad Chir (Paris) 94:374-9, 1968 (Fre)
[Infections following orthopedic surgical intervention] Plaue R, et al.
Arch Orthop Unfallchir 70:298-303, 1971 (Ger)
[Incidence of infections after thorax surgery during treatment in a general intensive care station] Eckert P, et al. Thoraxchirurgie 18:348-55, Aug 70 (Ger)
[Postoperative wound suppuration] Lázár D, et al.
Orv Hetil 112:1268-70, 30 May 71 (Hun)
[Infection of surgical wounds and hospital confinement: an epidemiological study] Szkio M, et al.
Rev Assoc Med Bras 16:147-52, May 70 (Por)
[Wound infection after surgery in an old and a modern surgery department--a prospective study] Brismar B, et al. Nord Med 85:415-6, 1 Apr 71 (Swe)

PREVENTION & CONTROL

Ocular penetrance of cephaloridine after subconjunctival injection. Moll TB, et al.
Am J Ophthalmol 71:992-6, May 71
Pre- and postoperative prophylactic use of cephaloridine. A study of 201 cases. Dillon ML, et al.
Am J Surg 122:61-3, Jul 71
Antibiotics in colonic surgery. Hafner CD.
Am J Surg 121:673-4, Jun 71
Evaluation of a bacitracin-neomycin surgical skin preparation. Saik RP, et al.
Am J Surg 121:557-60, May 71
Studies in the management of the contaminated wound. VII. Susceptibility of surgical wounds to postoperative surface contamination. Schauerhamer RA, et al. Am J Surg 122:74-7, Jul 71
Control of infection after thoracic and cardiovascular surgery. Carey JS, et al. Ann Surg 172:916-26, Nov 70
Controlled prospective double-blind evaluation of a "prophylactic" antibiotic (cephaloridine) in surgery. Brown JW, et al.
Antimicrob Agents Chemother 9:421-3, 1969
Combined surgical and radiation injury. IV. Effect of antimicrobials on the wound healing pattern of the x-irradiated rat. Donati RM.
Arch Surg 102:132-5, Feb 71
Topical noxythiolin antisepsis. Report of a controlled trial. Bird GG, et al. Br J Surg 58:447-8, Jun 71
Reduction of the microbial contamination of surgical wound areas by sterile laminar air-flow. Cook R, et al.
Br J Surg 58:48-52, Jan 71
The value of a plastic adhesive drape in the prevention of wound infection. A controlled trial. Jackson DW, et al. Br J Surg 58:340-2, May 71
The prevention of infection in appendicectomy wounds. Longland CJ, et al. Br J Surg 58:117-9, Feb 71
Ward design in relation to postoperative wound infection. I. Smylie HG, et al. Br Med J 1:67-72, 9 Jan 71
Plugging a loophole. Woolf WH.
J Am Podiatry Assoc 61:274-5, Jul 71
Staphylococcal infection in subdivided general surgical wards. Edmunds PN. J Hyg (Camb) 68:531-47, Dec 70
Radical operation for carcinoma of the vulva. A new approach to wound healing. Cavanagh D, et al.
J Obstet Gynaecol Br Commonw 77:1037-40, Nov 70
The effect of pulsating water jet lavage on experimental contaminated wounds. Gross A, et al.
J Oral Surg 29:187-90, Mar 71
Epilepsy in cardiopulmonary bypass patients receiving large intravenous doses of penicillin. Currie TT, et al.
J Thorac Cardiovasc Surg 62:1-6, Jul 71
Routine antibiotic therapy following pleural space

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

intubation. A reappraisal. Neugebauer MK, et al. J Thorac Cardiovasc Surg 61:882-4, Jun 71
Adhesive wound drapes. Pollock AV. Lancet 2:883, 24 Oct 70
Sepsis in the surgical intensive care unit. Findlay CW Jr. Med Clin North Am 55:1331-52, Sep 71
Parésian and Listerian slants on infection in wounds. (Paré A), (Lister J), Ferguson DJ. Perspect Biol Med 14:63-8, Autumn 70
Influence of antibiotic therapy on wound inflammation and sepsis associated with orthopaedic implants: a long-term survey. Scales JT, et al. Proc R Soc Med 64:639-40, Jun 71
Iatrogenic devitalization of wound tissues. Markle GB 4th. Rocky Mt Med J 67:38-9, Sep 70
Wound infection prophylaxis with topical ampicillin (Pentrexyl R) in gastric surgery. Madsen P, et al. Scand J Gastroenterol 6:237-40, 1971
The second edge of the sword. Stone HH. South Med J 64:472-4, Apr 71
Advances in the management of surgical wounds. Ferguson DJ. Surg Clin North Am 51:49-59, Feb 71
Healing of inverted and everted intestinal anastomoses in germfree rats. Yale CE, et al. Surgery 69:382-8, Mar 71
[Our approach to the prevention and therapy of infections in kidney allotransplantations] Hatala M, et al. Rozhl Chir 49:535-41, Oct 70 (Cze)
[Prophylactic antibiotherapy in surgery] Biver A. Acta Chir Belg 69:206-26, Mar 70 (Fre)
[Use of surgical staphylomycin powder in a surgery department] Laurent, et al. Lyon Med 222:683-6, 26 Oct 69 (Fre)
[Surgeons confront- ing microbes or the 3 stages of the relationship between infection and surgery] Fasquelle R, et al. Mem Acad Chir (Paris) 95:696-701, 1969 (Fre)
[Antibiotics and modern surgery] Welsch M. Mem Acad Chir (Paris) 95:691-6, 1969 (Fre)
[Therapeutic effectiveness of aleiofenac in surgery and traumatology] Defrére J, et al. Rev Med Liege 26:546-8, 15 Aug 71 (Fre)
[Antibiotic resistance and hospitalism] Kothe W, et al. Dtsch Gesundheitsw 25:1261-4, 6 Jul 70 (Ger)
[Are antibiotics effective in the prevention of wound healing complications following extraction of wisdom teeth?] Strassburg M, et al. Dtsch Zahn Mund Kieferheilkd 55:99-105, Oct 70 (Ger)
[Wound infection] Hegemann G. Hefte Unfallheilkd 102:16-25, 1970 (Ger)
[Chemotherapeutic infection prophylaxis in operative surgery] Brühl P, et al. Med Welt 2:52-60, 9 Jan 71 (Ger)
[Prevention of wound infection in intramedullary nailing] Golombiewski F. Med Welt 15:814-5, 10 Apr 71 (Ger)
[Clinical experiences with a new disinfectant wound-spray] Wiedmer U, et al. Praxis 60:579-81, 4 May 71 (Ger)
[The control of wound infection in child surgery] Wurnig P. Wien Med Wochenschr 120:171-4, 7 Mar 70 (Ger)
[Various aspects of chemotherapy in surgery in children] Popp W. Z Aerztl Fortbild (Jena) 64:579-87, 15 Jun 70 (Ger)
[Antibacterial chemoprophylaxis in surgical orthopedics] Krämer J, et al. Z Orthop 108:130-8, Jul 70 (Ger)
[Resorption of neomycin in prevention of local infection with Nebacetin in intramedullary nailing] Golombiewski F, et al. Zentralbl Chir 96:417-20, 20 Mar 71 (Ger)
[Hospitalism] Wolf W. Zentralbl Chir 95:803-4, 4 Jul 70 (Ger)
[Therapeutical effect of doxycycline in surgery] Damele C. Minerva Chir 26:256-64, 15 Mar 71 (Ita)
[Early and preventive drug treatment in accident surgery] Jantke W, et al. Hospital (Rio de J) 77:781-6, Mar 70 (Por)
[Prospects of using antimicrobaal materials in surgical practice] Milonov OB, et al. Khirurgiia (Mosk) 46:117-21, Apr 70 (Rus)
[Current status of prevention of postoperative suppurative and septic complications in surgical clinics (literature review)] Shabanov AN, et al. Khirurgiia (Mosk) 47:137-41, Jan 71 (64 ref.) (Rus)
[Prevention of suppuration of postoperative wounds with furacilin] Serednitskif AM, et al. Klin Khir 9:7-10, Sep 69 (Rus)
[Prevention of postoperative infections] Berezin IF. Vestn Khir 105:69-73, Aug 70 (Rus)
[The significance of some factors in the development of postoperative infectious complications of neurosurgery] Arutiunov AI, et al. Vopr Neirokhir 35:45-51, Jan-Feb 71 (Rus)

SURGERY

Hip-mold arthroplasty and postoperative infection. A method of salvage used in ten patients. Leddy JP, et al. J Bone Joint Surg [Am] 53:37-46, Jan 71

THERAPY

Effect of pressure and tip modification on the dispersion of fluid throughout cells and tissues during the irrigation of experimental wounds. Carlson HC, et al. Oral Surg 32:347-55, Aug 71
[General principles in treatment of purulent surgical diseases] Maurer G, et al. Chirurg 42:296-8, Jul 71 (Ger)
[Treatment of wound infection] Eufinger H. Hefte Unfallheilkd 102:25-33, 1970 (Ger)
[Surgical treatment of infection after osteosynthesis] Willenegger H, et al. Hefte Unfallheilkd 102:41-52, 1970 (Ger)

VETERINARY

Distribution and causative agents of surgical infections in cattle. Kohli RN. Indian Vet J 47:632-6, Aug 70
[Wound infaction in a dog caused by the blowfly Lucilia caesar (Linnaeus, 1758) (Diptera: Calliphoridae)] Weitzel H, et al. Dtsch Tieraerztl Wochenschr 78:351-3, 15 Jun 71 (Ger)

SURITAL see under THIAMYLAL (D6)

SURVIVAL (I)

An evaluation of various survival rations. Davenport RE, et al. Am J Clin Nutr 24:513-23, May 71
Psychological aspects of desert survival. Gray HS. Ariz Med 28:307-9, Apr 71
The clinical course of survival in the Arctic. Rogers TA. Hawaii Med J 30:31-4, Jan-Feb 71
Environmental health and ecology: old concepts with new meaning for man's survival. McCulloch WF. J Am Vet Med Assoc 157:1432-8, 1 Dec 70
Survival. Miles S. J R Coll Gen Pract 21:61-5, Feb 71
On surviving aircraft disaster. Moore M Jr. J Trauma 11:190-1, Feb 71
Desert survival. Mozar HN. Med Arts Sci 23:15-8, 1969
[Psychiatric prevention in isolated groups and in exceptional surroundings] Defayolle M, et al. Rev Corps Sante Armees 11:413-26, Aug 70 (Fre)
[Food rations for the shipwrecked] Bellenghi G. Ann Med Nav (Roma) 75:659-72, Nov-Dec 70 (Ita)
[Survival in a limited world] Gustavo Viniegra Gonzá, et al. Salud Publica Mex 13:141-3, Mar-Apr 71 (Spa)

SUSPENSIONS (D13)

Absorption and multiple scattering by biological suspensions. Twersky V. J Opt Soc Am 60:1084-93, Aug 70
Particle size analysis of some pharmaceutical suspensions, measured by the pipette method of Andreasen. Joos P, et al. J Pharm Belg 25:133-51, Mar-Apr 70
The effect of suspensions on the bactericidal activity of m-cresol and benzalkonium chloride. Bean HS, et al. J Pharm Pharmacol 23:699-704, Sep 71
Injectible dispersion of delta 9-tetrahydrocannabinol in saline using polyvinylpyrrolidone. Fenimore DC, et al. J Pharm Pharmacol 23:310, Apr 71
Absorption characteristics of solid dispersed and micronized griseofulvin in man. Chiou WL, et al. J Pharm Sci 60:1376-80, Sep 71
Mechanism of increased rates of dissolution and oral absorption of chloramphenicol from chloramphenicol-urea solid dispersion system. Chiou WL. J Pharm Sci 60:1406-8, Sep 71
Phase diagram and dissolution-rate studies on sulfathiazole-urea solid dispersions. Chiou WL, et al. J Pharm Sci 60:1333-8, Sep 71
Aggregation mechanisms in pharmaceutical suspensions. Matthews BA, et al. J Pharm Sci 59:1360-2, Sep 70
Thermoluminescent dosimetry using lithium fluoride in aqueous suspension. Spurný Z, et al. Phys Med Biol 16:295-301, Apr 71
[Quantitative evaluation of drug influence on vital and metabolic processes of cell culture in suspensions] Karzel K, et al. Arzneim Forsch 20:1843-9, Dec 70 (Ger)
[Central preparation of suspension ointments] Naumann H. Pharm Prax 5:108-13, May 71 (Ger)
[Studies on th applicability of polystyrol latex suspensions a the vehicle material of an indirect agglutination method for identification of thryoglobulin antibodies] Keitel W, et al. Z Med Labortech 11:236-42, 1970 (Ger)
[Liquid-liquid dispersion on mechanical agitation. I. Selection of agitation condition on liquid-liquid dispersion] Tsukiyama S, et al. J Pharm Soc Jap 91:305-10, Mar 71 (Jap)
[Use of polyvinyl alcohol and Tween-80 for preparation of the suspension of sulfadimethoxine (Madribon)] Kuprina NA, et al. Farmatsiia 20:16-9, Mar-Apr 71 (Rus)

PHARMACODYNAMICS

Release of vaso-active substances from lungs by injection of particles. Palmer MA, et al. Br J Pharmacol 40:547P+, Nov 70

SUSTAINED-RELEASE PREPARATIONS see

DELAYED-ACTION PREPARATIONS (D13)

SUTURE TECHNICS (E4)

Experience in the application of the instrumental mechanical suture in surgery of the stomach and rectum. Androsov PI. Acta Chir Scand 136:57-63, 1970
Surgical catgut for segmental buckle in retinal detachment. Dellaporta A, et al. Am J Ophthalmol 72:51-4, 30 Jul 71
Application of the Soviet suturing apparatus in surgery of the colon and rectum. Gurejeva CF, et al. Am J Proctol 21:407-11, Dec 70
Everting and inverting anastomoses. An experimental study of comparative safety. Abramowitz HB, et al. Am J Surg 121:52-6, Jan 71
Suture technic for the friable mitral annulus. Draggett WM, et al. Am J Surg 121:357-8, Mar 71
Atraumatic flexor tendon retrieval. Kilgore ES Jr, et al. Am J Surg 122:430-1, Sep 71
Inverted versus everted gastrointestinal anastomoses: the role of the everted mucosa in anastomotic breakdown. Hearn D, et al. Am Surg 36:728-30, Dec 70
A new suture for external silicone sponge implants. Fradin S. Arch Ophthalmol 86:58-9, Jul 71
Suture repair of entropion. Quickert MH, et al. Arch Ophthalmol 85:304-5, Mar 71
The running interlocking suture in cataract surgery. Ryan SJ, et al. Arch Ophthalmol 85:302-3, Mar 71
Otoplasty goals and principles. Wright WK. Arch Otolaryngol 92:568-72, Dec 70
Experimental Noble operation performed with use of tissue adhesive. Gyurkó G, et al. Arch Surg 102:503-4, May 71
Management of recurrent hiatal hernia. Hill LD. Arch Surg 102:296-302, Apr 71
Suturing technique for squint surgery. Fenton PJ. Br J Ophthalmol 54:672-4, Oct 70
A universal oral surgery suture. Hudson A. Br J Oral Surg 8:129, Nov 70
Layered and mass closure of the abdominal wall. A theoretical and experimental analysis. Dudley HA. Br J Surg 57:664-7, Sep 70
A controlled trial of inverting versus everting intestinal suture in clinical large-bowel surgery. Goligher JC, et al. Br J Surg 57:817-22, Nov 70
Corneo-scleral suture. Maddox C. Br Med J 3:250, 24 Jul 71
Combined abdominoperineal excision for cancer of the rectum: primary suture of the perineal incision with continuous suction. McLachlin AD, et al. Can J Surg 13:350-3, Oct 70
Clinical experience with the use of a single-layer intestinal anastomosis. Olsen GB, et al. Can J Surg 11:97-100, Jan 68
The use of Hydron in resection of the liver. Michnèvič I, et al. J Biomed Mater Res 5:17-24, Jan 71
A method of treating vaginal vault prolapse. Thursz AD. J Obstet Gynaecol Br Commonw 77:1041-2, Nov 70
The Hryntschak prostatectomy. 3. A modified technique of closing the vesical neck and prostatic cavity. Beck AD, et al. J Urol 104:739-44, Nov 70
Simplified bowel anastomosis: a method of shortening ileal diversion time. Knoblaugh RA, et al. J Urol 105:516-7, Apr 71
Evaluation of suprapubic prostatectomy using an absorbable purse-string suture at vesical neck. Perkash I, et al. J Urol 105:831-5, Jun 71
Tearing out of peritoneal suture. Patkin M. Med J Aust 1:874, 17 Apr 71
Urethrovesical suspension for female urinary incontinence: refinements of INCO needle. Tauber R. Obstet Gynecol 36:795-9, Nov 70
Sycosis nuchae and its surgical treatment. Malherbe WD. Plast Reconstr Surg 47:269-71, Mar 71
Tendon repairs with nylon and a modified pullout technique. Mangus DJ, et al. Plast Reconstr Surg 48:32-5, Jul 71
Experimental study of prevention of tip necrosis in ischemic Z-plasties. Wilkinson TS, et al. Plast Reconstr Surg 47:37-8, Jan 71
A method of tracheolorrhapy using non-absorbable sutures. Lewis BV. Proc R Soc Med 63:1048-9, Oct 70
Everting and inverting anastomoses. An experimental study of comparative safety. Abramowitz HB. Rev Surg 28:142, Mar-Apr 71
A modified single layer suture for use in the gastrointestinal tract. De Almeida AD. Surg Gynecol Obstet 132:895, May 71
A modified technique for secure median sternotomy closure. Lambert CJ, et al. Surgery 69:393, Mar 71
Healing of inverted and everted intestinal anastomoses in germfree rats. Yale CE, et al. Surgery 69:382-8, Mar 71
Pyloric closure for difficult gastrectomies. Zikria BA, et al. Surgery 69:29-33, Jan 71
A technique of interlacing vascular suture: experimental study in the dog. Iwabuchi T, et al. Tohoku J Exp Med 102:179-83, Oct 70
[Modification of the Adams method of bone suture and suspension] Kufner J. Cesk Stomatol 71:140-2, May 71 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Results of suture of the nerves of the upper limb] Proyard G.
Acta Orthop Belg 35:858-84, Sep-Oct 69 (Fre)
[Comparison in humans of esophagogastric anastomosis with the PKS 25 stapler and with sutures] Mailliard JN, et al. Ann Chir 25:569-73, Jun 71 (Fre)
[Extensive tracheal resection followed by end-to-end suture. 14 cases] Kreitmann P, et al.
Ann Chir Thorac Cardiovasc 10:65-78, Jan 71 (Fre)
[A technic of safe suture in cataract extraction] Azadeh M. Ann Ocul (Paris) 204:753-6, Jul 71 (Fre)
[Adapted surgical cure of trichiasis without striction or traction] Raïs H, et al.
Ann Ocul (Paris) 203:845-9, Sep 70 (Fre)
[Secondary repair of the perineum after disunion of sutures following delivery] Mahon R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:418-9, Sep-Oct 69 (Fre)
[Suture technics in small-diameter blood vessels of still growing organisms] Vichnevski AA.
Bull Soc Int Chir 28:278-84, Mar-Apr 69 (Fre)
[The skin. Suture material in large eventrations] Theodoresco D. Chirurgie 97:147-9, 1971 (Fre)
[A procedure of tight suture of the pulmonary parenchyma] Orsoni P.
J Chir (Paris) 100:385-6, Nov 70 (Fre)
[Is reconstruction of the ureter by sero-serous suture of the intestine justified?] Novak R.
J Urol Nephrol (Paris) 77:821-5, Jul-Aug 71 (Fre)
[Results of secondary plastic surgery of the knee following rupture of the cruciate ligament] Scholder C. Z Unfallmed Berufskr 63:77-80, 1970 (Fre)
[Experimental results with "sutureless" nerve anastomosis using collagen tubes] Berger A, et al.
Acta Neurochir (Wien) 23:141-9, 1970 (Ger)
[Experimental studies on the tensile strength of glued and sutured isolated corneoscleral stripes] Giessmann HG, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:17-24, 1970 (Ger)
[Surgical management of multiple injuries of the finger flexor tendons] Dubrow J.
Beitr Orthop Traumatol 18:351-6, Jun 71 (Ger)
[Continuously running suture in cataract surgery] Böke W, et al.
Ber Dtsch Ophthalmol Ges 70:95-6, 1970 (Ger)
[Physical studies on ophthalmologic suture material. Influence of microsurgery on the refinement of suture material] Ullerich K, et al.
Ber Dtsch Ophthalmol Ges 70:331-9, 1970 (Ger)
[Is the cervical cerclage efficient?] Lau H.
Geburtshilfe Frauenheilkd 31:438-43, May 71 (Ger)
["Wurm-Hefner" versus "Shirodkar-McDonald". Surgical treatment of cervical insufficiency in pregnancy] Lochmüller H, et al.
Geburtshilfe Frauenheilkd 31:431-7, May 71 (Ger)
[Microangiographic studies on rat intestine in the testing of various types of anastomosis] Herzog B.
Helv Chir Acta 38:179-84, Apr 71 (Ger)
[Suturing of septum perforations] Landeghem K van.
HNO 19:158-9, May 71 (Ger)
[The continuous cocoon silk suture after cataract extraction] Giessmann HG, et al.
Klin Monatsbl Augenheilkd 157:543-8, Oct 70 (Ger)
[Surgical correction of entropion of the lower lid] Giessmann HG, et al.
Klin Monatsbl Augenheilkd 157:245-8, Aug 70 (Ger)
[The use of adhesives in bronchial and tracheal resections] Häring R, et al.
Langenbecks Arch Chir 322:921-2, 1968 (Ger)
[Animal experimental results using adhesives in Noble's surgical technics] Heiss WH.
Langenbecks Arch Chir 322:1012-7, 1968 (Ger)
[The single-line enteroanastomosis. Experimental and clinical results] Reichel K.
Langenbecks Arch Chir 322:1005-11, 1968 (Ger)
[Stump embedding following appendectomy] Steizner F. Med Klin 66:1251, Sep 71 (Ger)
[The rupture of the Achilles tendon and its suture using the plantaris tendon] Freilinger G, et al.
Monatsschr Unfallheilkd 73:523-31, Nov 70 (Ger)
[Primary urethral ruptures of the pars membranacea successfully sutured] Giebel MG, et al.
Monatsschr Unfallheilkd 74:1-9, Jan 71 (Ger)
[Systematic suturing of perforated ulcer] Eliás S, et al.
Munch Med Wochenschr 112:253-5, 6 Feb 70 (Ger)
[Systematic suturing of perforated ulcer] Ruëff FL.
Munch Med Wochenschr 112:255, 6 Feb 70 (Ger)
[Sutureless ureter anastomosis in animal experiments (preliminary communication)] Erdmann T, et al.
Z Aerztl Fortbild (Jena) 64:79-81, 15 Jan 70 (Ger)
[Experimental studies on the stability during exercise of a suture on the Achilles tendon] Glogowski G, et al.
Z Orthop 108:491-502, Nov 70 (Ger)
[Results and technic of the meniscus suture (possibilities of a meniscus suture)] Willenegger H, et al. Z Unfallmed Berufskr 63:30-3, 1970 (Ger)
[Technic in phimosis surgery. Methods and results] Marschner G. Zentralbl Chir 96:131-5, 23 Jan 71 (Ger)
[Periosteal suture in periodontal plastic surgery with particular reference to the apical repositioning of the flaps] Pecchioni A.
Dent Cadmos 39:694-701, 5 May 71 (Ita)
[Neurorrhaphy of the superficial peroneal nerve with Eastman 910 adhesive. Technical note] Tota G.
Minerva Ortop 20:205-7, May 69 (Ita)
[Suture cutting in a variation of equatorial cerclage] Shinriki S.
Acta Soc Ophthalmol Jap 75:643-9, 20 Jan 71 (Jap)
[Subcutaneous buried suture and figure 8 mattress suture for incision-laceration of the perineum] Teraki Y. Sanfujinka Jissai 19:1012-20, Oct 70 (Jap)
[Surgery of the fresh rupture of the Achilles tendon--pull-down suture method] Fukuzawa G, et al.
Shujutsu 25:321-3, Mar 71 (Jap)
[Single-layer intestinal suture] Goląb W, et al.
Pol Przegl Chir 43:495-501, Mar 71 (Pol)
[Single-layer everting and inverting suture used in intestinal anastomoses in dogs] Janiak W, et al.
Pol Przegl Chir 43:93-6, Jan 71 (Pol)
[Comparative experimental studies of single- and double-layer sutures for intestinal anastomoses] Koszański E, et al.
Pol Przegl Chir 42:1836-41, Dec 70 (Pol)
[Surgical sutures of the stomach and intestine] Piskorz A. Pol Przegl Chir 42:1682-5, Nov 70 (Pol)
[Self-adapting skin suture] Minta P.
Wiad Lek 24:601-2, 15 Mar 71 (Pol)
[Comparative characteristics of the electrical excitability of the sciatic nerve in experimental manual and mechanical suture] Boev IuM, et al.
Eksp Khir Anesteziol 15:55-7, Mar-Apr 70 (Rus)
[New modification of the hepatic suture in liver resection] Makhache MO.
Eksp Khir Anesteziol 15:42-4, Sep-Oct 70 (Rus)
[Duration of hermetic seal formed by an adhesive suture] Mit'kova GV.
Eksp Khir Anesteziol 15:24-7, Jul-Aug 70 (Rus)
[Early secondary suture in the treatment of acute suppurative diseases of the soft tissues] Grigorian AV, et al. Khirurgiia (Mosk) 47:60-4, Jan 71 (Rus)
[Use of a suturing apparatus in surgery on the thyroid gland] Romashov FN, et al.
Khirurgiia (Mosk) 46:135-8, Jul 70 (Rus)
[New circular buried suture in varices of subcutaneous veins] Ershov VG. Klin Khir 2:58-60, Feb 71 (Rus)
[Cause of evacuation disturbances of the operated stomach] Teikov NA. Klin Khir 9:8-13, Sep 70 (Rus)
[Restoration of patency in the lacrimal canal] Blagoevich M, et al. Oftalmol Zh 25:617-21, 1970 (Rus)
[Primary suture of the flexor tendons of the fingers] Gel'viq IuA, et al.
Ortop Travmatol Protez 32:6-9, Apr 71 (Rus)
[Looped hemostatic suture of the gastric stump] Egorov VN. Vestn Khir 105:141-2, Nov 70 (Rus)
[Resection of the liver and removal of fibrous capsule with the use of S-pi-shaped sutures and large clamps] Teikov NA. Vestn Khir 104:55-9, Apr 70 (Rus)
[A new method of implanting mitral prostheses with a continuous suture] Arcas Meca R, et al.
Arch Inst Cardiol Mex 41:273-7, May-Jun 71 (Spa)
[Closing of the thoracic opening in Urban's operation] Vilanova DL, et al.
Prensa Med Argent 57:2127-32, 22 Jan 71 (Spa)
[Correction of vaginal cupola prolapse by means of sacrocolpopexy] Díaz-Garzón J.
Rev Colomb Obstet Ginecol 22:39-40, Jan-Feb 71 (Spa)
[Surgery of the urinary tract in the treatment of distal urethral stricture in girls] Paz Alvarez R, et al.
Rev Venez Urol 22:59-70, Jan-Jun 70 (Spa)
[Prevention of commissures in obstetric and gynecological operations] Ganul LO.
Pediatr Akush Ginekol 2:59, Mar-Apr 70 (Ukr)

ADVERSE EFFECTS

Wound dehiscence with keratoplasty: complication of the continuous-suture technique. Brown SI, et al.
Am J Ophthalmol 72:115-6, 30 Jul 71
Marginal myotomy. Parks MM, et al.
Arch Ophthalmol 85:639-40, May 71

HISTORY

The classic reprint. Staphyloraphe, or palate-suture, successfully performed. (Stevens AH),
Plast Reconstr Surg 48:61-4, Jul 71

INSTRUMENTATION

An adjustable, semirigid retention suture guard. Engelsher HJ. Surgery 69:317-20, Feb 71
The Eureka needle. Nolan SP. Surgery 69:788-91, May 71
Pulmonary artery banding: an improved technique with a new instrument. Williams GD.
Surgery 69:478-9, Mar 71
10-0 suture pickup. Drews RC.
Trans Am Acad Ophthalmol Otolaryngol 75:643, May-Jun 71
[Vascular microanastomosis using mechanical suture apparatus. Comparative study] Fontaine JL, et al.
J Chir (Paris) 101:315-24, Mar 71 (Fre)
[Anterior resection of the rectum with use of the KZ-28 suture apparatus] Fain AS, et al.
Zentralbl Chir 96:59-62, 9 Jan 71 (Ger)
[Adaptation of a syringe needle for placing sutures in surgery of the nasal cavity] Sokoliuk MV.
Zh Ushn Nos Gorl Bolezn 30:109-10, May-Jun 70 (Rus)

MORTALITY

Mortality of perforated duodenal ulcer treated by simple suture. Booth RA, et al.
Br J Surg 58:42-4, Jan 71

STANDARDS

[Management of flexor tendon injuries of the hand. The causes of primary suture failure] Buck-Gramcko D.
Monatsschr Unfallheilkd 72:55-8, Feb 69 (Ger)

VETERINARY

A comparison of single layer suture patterns for intestinal anastomosis. Bennett RR, et al.
J Am Vet Med Assoc 157:2075-80, 15 Dec 70
[Clip closure of skin wounds in cattle] Arbeiter K.
Wien Tieraerztl Monatsschr 57:343, Oct 70 (Ger)

SUTURES (E4)

Experience in the application of the instrumental mechanical suture in surgery of the stomach and rectum. Androsov PI. Acta Chir Scand 136:57-63, 1970
Wound healing impairment from sutures. A tensiometric and histologic study in the rat. Brunius U. Acta Chir Scand 395:Suppl 395:1+, 1968
Sutures and wound healing. Myers MB.
Am J Nurs 71:1725-7, Sep 71
Surgical catgut for segmental buckle in retinal detachment. Dellaporta A, et al.
Am J Ophthalmol 72:51-4, 30 Jul 71
Comparison of catgut and collagenutures in strabismus surgery. Goldstein JH, et al.
Am J Ophthalmol 71:935-9, Apr 71
Clinical use of polyglycolic acid polymer as a new absorbable synthetic suture. Dardik H, et al.
Am J Surg 121:656-60, Jun 71
Polyglycolic acid synthetic absorable sutures. Eilbert JB, et al. Am J Surg 121:561-5, May 71
Tensile strength and knot security of surgical suture materials. Herrmann JB. Am Surg 37:209-17, Apr 71
Functional and angiographic vasculature in healing wounds. Myers MB, et al. Am Surg 36:750-6, Dec 70
Hydron-coated terylene suture: a pilot study. Singh MP, et al. Biomed Engin 6:157-9, Apr 71
The use of a new polyglycolic acid suture in general surgery: clinical and experimental studies. Santiago Delpín EA, et al. Bol Asoc Med PR 62:309-12, Nov 70
The use of a new absorbable suture material (polyglycolic acid) in general surgery. Anscombe AR, et al. Br J Surg 57:917-20, Dec 70
Tape-closed and sutured wounds: a comparison by tensiometry and scanning electron microscopy. Forrester JC, et al. Br J Surg 57:729-37, Oct 70
Wound infection in undressed sutured wounds of the hand. Wood PB. Br J Surg 58:543-5, Jul 71
The use of nylon sutures in anterior segment surgery. McPherson SD Jr, et al.
Eye Ear Nose Throat Mon 49:420-3, Sep 70
Suture absorption in rabbit cornea and sclera: enzyme histochemical and morphologic observations. Salthouse TN, et al.
Invest Ophthalmol 9:844-56, Nov 70
Clinical evaluation of rat tail tendon sutures. Dev S, et al. J All India Ophthalmol Soc 18:45-51, Jun 70
A simple technique for attaching a strain gauge to tissue without sutures. Aronson CE.
J Appl Physiol 30:151-2, Jan 71
A new absorbable suture. Frazza EJ, et al.
J Biomed Mater Res 5:43-58, 1971
Biodegradable poly(lactic acid) polymers. Kulkarni RK, et al. J Biomed Mater Res 5:169-81, May 71
White nylon: a new suture material. Pasha NI.
J Med Liban 23:591-5, 1970
Histopathological changes after aortic anastomosis: their effects on the assessment of suture materials. Berry CL, et al. J Pathol 102:213-7, Dec 70
Prosthetic tracheal replacement. Borrie J, et al.
J Thorac Cardiovasc Surg 60:829-35, Dec 70
A radiopaque pulmonary artery band. Patterson MW.
J Thorac Cardiovasc Surg 61:975-6, Jun 71
Polyglycolic acid (PGA) sutures. Lichtenstein IL.
JAMA 214:760, 26 Oct 70
Clinical study of a new absorbable suture material--polyglycolic acid. Liu M, et al.
Med J Aust 2:873-4, 7 Nov 70
Polyglycolic acid suture in thoracic surgery. Takita H.
NY State J Med 70:2991-2, 15 Dec 70
Histologic comparison of polylactic and polyglycolic acid sutures. Cutright DE, et al.
Oral Surg 32:165-73, Jul 71
Tendon repairs with nylon and a modified pullout technique. Mangus DJ, et al.
Plast Reconstr Surg 48:32-5, Jul 71
The ideal suture material. Ulin AW.
Surg Gynecol Obstet 133:475, Sep 71
A new absorbable synthetic suture in growing and adult primary vascular anastomoses: morphologic study. Dardik H, et al. Surgery 68:1112-21, Dec 70
Clinical experience with autosuture instruments. Steichen FM. Surgery 69:609-16, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Suppression of experimental tumor seeding by biocidal sutures. Stephens FO. Surgery 70:348-52, Sep 71
An experimental study of corneal wound healing, with the use of more modern suture materials. A preliminary report. Condon PI.
Trans Ophthalmol Soc UK 90:971-2, 1970
Absorbable suture for cataract extraction. O'Donoghue HN, et al. Trans Ophthalmol Soc UK 89:359-71, 1970
[Use of collagen foam in ophthalmology] Pitter J.
Cesk Oftalmol 26:369-72, Nov 70 (Cze)
[New technic of hepatic suture] Michnĕvič I.
Rozhl Chir 50:61-7, Feb 71 (Cze)
[Extensive resection of the trachea followed by end-to-end suture (12 cases)] Ohresser P, et al.
Mars Med 107:815-7, 1970 (Fre)
[Physical studies on ophthalmologic suture material. Influence of microsurgery on the refinement of suture material] Ullerich K, et al.
Ber Dtsch Ophthalmol Ges 70:331-9, 1970 (Ger)
[Results of ulnar nerve sutures. An analysis of 33 surgical cases] Debrunner-Mattila-Oukar.
Helv Chir Acta 37:356-66, Jun 70 (Ger)
[The continuous cocoon silk suture after cataract extraction] Giessmann HG, et al.
Klin Monatsbl Augenheilkd 157:543-8, Oct 70 (Ger)
[Tissue reactions to suture materials in artificial tongue lesions] Kovács Z, et al.
Stoma (Heidelb) 23:207-11, Nov 70 (Ger)
[Mycotic suture aneurysm after surgery of the thoracic aorta] Paeprer H, et al.
Thoraxchirurgie 18:326-32, Aug 70 (Ger)
[Light microscopic and autoradiographic studies on the cellular reaction of the liver after catgut implantation] Helpap B, et al.
Verh Dtsch Ges Pathol 54:268-71, 1970 (Ger)
[Suture materials in experimental tracheobronchial surgery. (Endoscopic observations)] Scala G, et al.
Arch Monaldi 25:518-36, Nov-Dec 70 (Ita)
[Use of non absorbable materials in hernioplasty] Giummarra G, et al.
Policlinico [Chir] 76:386-90, Nov-Dec 69 (Ita)
[Surgical sutures under the scanning electron microscope] Horibe T.
Bull Natl Inst Hyg Sci (Tokyo) 88:8-11, 1970 (Jap)
[New surgical suture: synthetic absorbable polyglycolic acid suture] Tanabe T, et al.
Shujutsu 25:273-9, Feb 71 (Jap)
[Use of AGP thread in pediatric surgery (observations in 106 patients)] Lopes JA.
Rev Bras Med 26:624-9, Oct 69 (Por)
[Ligature abscesses after obstetric and gynecological surgery] Khimochko TM.
Akush Ginekol (Mosk) 46:68-9, Feb 70 (Rus)
[Healing of skin wounds sutured with silk sterilized with antibiotics] Orlov VI, et al.
Eksp Khir Anesteziol 15:36-40, Jul-Aug 70 (Rus)
[Modification of the removed wire tendon suture] Afzenberg EA.
Khirurgiia (Mosk) 22:136-7, Apr 69 (Rus)
[Forceps for tying biological sutures] Cherednichenko VM. Oftalmol Zh 25:390, 1970 (Rus)
[Use of suture material from amnion for the treatment of penetrating eye wounds] Gonchar PF.
Oftalmol Zh 25:382-3, 1970 (Rus)
[Comparative evaluation of the use of silk, biological sutures and MK-2 glue in penetrating wounds of the cornea and sclera] Malaev AA.
Oftalmol Zh 25:370-3, 1970 (Rus)
[Suture materials in ophthalmosurgery] Nikulina NB. Oftalmol Zh 25:293-302, 1970 (200 ref.) (Rus)
[Dacryocystorhinostomy using a trephine for the creation of a bony crifice and a needle for placing deep sutures on the mucosa] Starchak MI.
Oftalmol Zh 25:389-90, 1970 (Rus)
[Surgical results and complications of circlage using various suture materials] Uzdin MI, et al.
Oftalmol Zh 26:91-4, 1971 (Rus)
[Method of cold sterilization of catgut] Putilin VM, et al. Voen Med Zh 9:63-5, Sep 70 (Rus)
[Synthetic sutures in vagino-perineal surgery] Sangines A, et al.
Ginecol Obstet Mex 26:389-97, Sep 69 (Spa)
[New lymphatic vessel formation at the level of digestive anastomoses] Gomez Alonso A, et al.
Int Surg 54:28-34, Jul 70 (Spa)
[A synthetic, absorbable suture thread] Olerud S, et al.
Lakartidningen 68:1121-7, 3 Mar 71 (Swe)

ADVERSE EFFECTS

"Clothesline" calculus after suprapubic prostatectomy: a case report. Ross LS, et al.
Am Surg 37:341-3, Jun 71
The pathogenesis of suture toxicity. Aronson SB, et al.
Arch Ophthalmol 84:641-4, Nov 70
Suture toxicity in the germfree guinea pig. McMaster PR, et al. Arch Ophthalmol 84:776-82, Dec 70
Delayed suture-line hemorrhage. Tannenbaum IR, et al.
JAMA 215:1826, 15 Mar 71
[Hypersensitivity to sunken silk sutures after cataract extraction] Pape R, et al.
Ber Dtsch Ophthalmol Ges 70:170-5, 1970 (Ger)
[Suture materials in gastric resection--gastroscopic and laparoscopic aspects] Müller K, et al.
Dtsch Med J 22:367-70, 1 Jun 71 (Ger)
[Management of flexor tendon injuries of the hand. The causes of primary suture failure] Buck-Gramcko D.
Monatsschr Unfallheilkd 72:55-8, Feb 69 (Ger)
[Immunogenicity of catgut. Serologic and immunofluorescence findings in animal experiments on rabbits] Teubner E.
Z Immunitaetsforsch Exp Klin Immunol 142:103-14, Aug 71 (Ger)
[Tissue reactions to suture materials in surgical lesions of the tongue] Kovács Z, et al.
Fogorv Sz 63:371-3, Dec 70 (Hun)
[Fatal case of acute dysfunction of the prosthetic valve resulting from severing of the continuous mattress suture] Abe T, et al.
Jap J Thorac Surg 23:817-9, Nov 70 (Jap)

HISTORY

[Fibula--suture or clamp?] Benedum J.
Gesnerus 27:20-56, 1970 (Ger)

INSTRUMENTATION

A needle designed for suture ligation of a bleeding duodenal ulcer. Crow RW, et al.
Am J Surg 120:558, Oct 70
Urethrovesical suspension for female urinary incontinence: refinements of INCO needle. Tauber R.
Obstet Gynecol 36:795-9, Nov 70
[Instruments for suturing of minute blood vessels] Ikuta Y, et al. Shujutsu 25:383-7, Mar 71 (Jap)
[Use of a suturing apparatus in surgery on the thyroid gland] Romashov FN, et al.
Khirurgiia (Mosk) 46:135-8, Jul 70 (Rus)
[Meningocele surgery using the UAP-20 apparatus] Ryneĭskiĭ SV.
Khirurgiia (Mosk) 46:135-6, Sep 70 (Rus)
[Tight brace osteosuture which is shortened by bending] Krekmanov L.
Sven Tandlak Tidskr 64:129-33, Feb 71 (Swe)

STANDARDS

Tissue reaction to the biodegradable polylactic acid suture. Cutright DE, et al. Oral Surg 31:134-9, Jan 71
[Experimental studies on the stability during exercise of a suture on the Achilles tendon] Glogowski G, et al.
Z Orthop 108:491-502, Nov 70 (Ger)
[On the standardization of plastic suture] Ito H, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:87-9, 1970 (Jap)

SV40 VIRUS (B4)

Studies on the transformation of human fetal cell cultures by simian virus 40. Nishida S.
Acta Med Okayama 24:417-34, Aug 70
Susceptibility to some animal viruses of cells transformed by SV40 or polyoma virus. Diderholm H, et al. Arch Exp Veterinaermed 24:29-32, 1970
Homology between SV40 DNA and DNA of normal and SV40-transformed Chinese hamster cells. Hirai K, et al. Biochem Biophys Res Commun 42:714-22, 19 Feb 71
The uptake of SV40 DNA by nonpermissive cells in the presence of DEAE-dextran. Howard BV, et al.
Biochim Biophys Acta 228:105-16, 1 Jan 71
Identification and properties of complex forms of SV40 DNA isolated from SV40-infected African Green monkey (BSC-1) cells. Rush MG, et al.
Biochim Biophys Acta 228:585-94, 11 Feb 71
The susceptibility to SV40 virus transformation of fibroblasts obtained from patients with Down's syndrome. Young D. Eur J Cancer 7:337-9, Aug 71
Density inhibition of motility in 3T3 fibroblasts and their SV40 transformants. Gail MH, et al.
Exp Cell Res 64:156-62, Jan 71
Regulation of DNA synthesis in macrophages infected with semian virus 40. Lehman JM, et al.
Exp Cell Res 67:230-3, Jul 71
Effect of prolonged cultivation of SV40-transformed mouse cells in bromide-oxyuridine or pretreatment with mitomycin C on rescue of SV40. Dubbs DR, et al.
Int J Cancer 6:223-33, 15 Sep 70
Electron microscopic detection of transforming viruses induced by cell association. I. The SV40 model. Menezes J. Int J Cancer 7:331-8, 15 Mar 71
Detection of tumor-specific cell surface antigen of simian virus 40-induced tumors by the isotopic antiglobulin technique. Ting CC, et al.
Int J Cancer 7:499-506, 15 May 71
SV40 virus transformed prostatic carcinoma in the hamster. I. Comparisons of lactate dehydrogenase isoenzymes with human prostatic cancer. Abdalla AM, et al. Invest Urol 8:442-7, Jan 71
SV 40 virus transformed prostatic carcinoma in the hamster. II. Comparisons of lactate dehydrogenase isoenzymes with human prostatic cancer. Abdalla AM, et al. Invest Urol 8:488-93, Mar 71
Infection and transformation of mouse peritoneal macrophages by simian virus 40. Mauel J, et al.
J Exp Med 134:335-50, 1 Aug 71
Infectivity of molecular forms of simian virus 40 DNA. Trkula D, et al. J Gen Virol 10:221-9, Mar 71
Tumor immunity in hamsters immunized with fetal tissues. Coggin JH Jr, et al.
J Immunol 107:526-33, Aug 71
SV40 DNA strand selection by Escherichia coli RNA polymerase. Westphal H.
J Mol Biol 50:407-20, 14 Jun 70
Cell line initiation from cord blood leukocytes treated with viruses, chemicals, and radiation. Chang RS, et al.
J Natl Cancer Inst 47:479-83, Aug 71
Chromosomal changes in Syrian hamster cells transformed by simian virus 40 (SV40) and variants of defective SV40 (PARA). Nachtigal M, et al.
J Natl Cancer Inst 47:35-45, Jul 71
Ruthenium red-stained coat of normal and simian virus 40-transformed cells. Vorbrodt A, et al.
J Natl Cancer Inst 43:1241-8, Dec 69
Simian virus 40 deoxyribonucleic acid transcription in vitro: binding and transcription patterns with a mammalian ribonucleic acid polymerase. Herzberg M, et al. J Virol 6:667-76, Nov 70
Morphological aspects of the uptake of simian virus 40 by permissive cells. Hummeler K, et al.
J Virol 6:87-93, Jul 70
Studies of nondefective adenovirus 2-simian virus 40 hybrid viruses. II. Relationship of adenovirus 2 deoxyribonucleic acid and simian virus 40 deoxyribonucleic acid in the Ad2+ND genome. Levin MJ, et al. J Virol 7:343-51, Mar 71
S.V.40 transformation of cells from patients with Fanconi's anaemia. Young D. Lancet 1:294-5, 6 Feb 71
Tumour viruses: fixing transformation.
Nature (Lond) 231:351-2, 11 Jun 71
Susceptibility of trisomic and of triploid human fibroblasts to simian virus 40 (SV40). Payne FE, et al.
Nature [New Biol] 230:190, 7 Apr 71
Increased transformation efficiency of Simian virus 40 in rat embryo cells infected with Rauscher leukaemia virus. Rhim JS, et al.
Nature [New Biol] 230:81-3, 17 Mar 71
Quantitative aspects of immunization against primary SV40-induced tumours. Kaliev J.
Neoplasma 17:373-6, 1970
Birth, death and net growth of normal, transforming, neoplastic and malignant cell lines. Decrease of death rate in neoplastic alteration. Norrby K, et al.
Pathol Eur 6:56-74, 1971
The SV40 pseudovirus: its potential for general transduction in animal cells. Grady L, et al.
Proc Natl Acad Sci USA 67:1886-93, Dec 70
Induction of mitochondrial DNA synthesis in monkey cells infected by simian virus 40 and (or) treated with calf serum. Levine AJ.
Proc Natl Acad Sci USA 68:717-20, Apr 71
Interferon and transcription of early virus-specific RNA in cells infected with simian virus 40. Oxman MN, et al. Proc Natl Acad Sci USA 68:299-302, Feb 71
Chromosomes of SV40 transformed human amnion cells after mycoplasma infection. Fogh J, et al.
Proc Soc Exp Biol Med 135:206-11, Nov 70
The resistance of SV40-transformed 3T3 to supertransformation. Scher CD, et al.
Proc Soc Exp Biol Med 136:742-6, Mar 71
The role of tumour viruses in basic research and medicine. Weil R. Triangle 10:3-10, 1971
Structure of simian virus 40. V. Localization of the C-type polypeptide chains. Koch MA, et al.
Virology 43:235-42, Jan 71
Induction of cellular DNA synthesis by supercoiled SV40 DNA in x-irradiated mouse 3T3 cells. Rozenblatt S, et al. Virology 43:300-3, Jan 71
The interaction of SV40 with SV40-transformed and non-transformed monkey kidey cells. Sauer G, et al.
Z Krebsforsch 74:40-7, 1970
[Study of the phenomenon of slow cytotoxicity on fibroblasts of hamster transformed by the SV 40 (TSV5C1i2) with isologous antiserums] Duthu-Herbet A, et al.
C R Acad Sci [D] (Paris) 272:1185-8, 22 Feb 71 (Fre)
[Demonstration of common antigenic sites between the surface of sheep erythrocytes and the surface of certain hamster virotransformed cells] Meyer G, et al.
C R Acad Sci [D] (Paris) 272:1928-31, 5 Apr 71 (Fre)
[Prevention of tumor growth by immunization of hamsters with x-irradiated SV40-transformed cells] Ashkenazi A, et al. Harefuah 77:376-9, 2 Nov 69 (Heb)
[Effect of conjugates with purine, pyrimidine or DNA on the development of SV40 tumor in hamsters] Hellering I, et al. Harefuah 77:373-5, 2 Nov 69 (Heb)
[On the production of SV40 in heterokaryons caused by fusion of sensitive cells with transformed cell exposed to UV irradiation] Monti-Bragadin C, et al.
Boll Soc Ital Biol Sper 46:585-9, 30 Jun 70 (Ita)
[Transformation of human chorionic cell by SV40 and its transplantation into the hamster uterus] Hori Y.
J Jap Obstet Gynecol Soc 23:173-81, Mar 71 (Jap)
[Virus-specific RNA in polysome of SV-40 tumor cells] Sakaoka H.
Med Biol (Tokyo) 81:139-43, 10 Sep 70 (Jap)
[The mitotic regime of human diploid cell cultures at various stages of cell transformation by SV40 virus] Alov IA, et al.
Biull Eksp Biol Med 63:122-5, Nov 67 (Rus)
[Changes in a culture of green monkey lung cell cultures under the influence of simian virus 40]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Karmysheva VIa, et al.
Biull Eksp Biol Med 65:119-22, May 68 (Rus)

ANALYSIS

DNA replication in SV40-infected cells. V. Circular and catenated oligomers of SV40 DNA. Jaenisch R, et al.
J Child Psychol Psychiatry 12:480-93, Jun 71
Molecular size of simian virus 40-specific RNA synthesized in productively infected cells. Sokol F, et al. J Gen Virol 11:177-88, Jun 71
Quantitation of Simian virus 40 sequences in African green monkey, mouse and virus-transformed cell genomes. Gelb LD, et al. J Mol Biol 57:129-45, 14 Apr 71
Adenovirus type 2-simian virus 40 hybrid population: evidence for a hybrid deoxyribonucleic acid molecule and the absence of adenovirus-encapsidated circular simian virus 40 deoxyribonucleic acid. Crumpacker CS, et al. J Virol 6:788-94, Dec 70
Studies of nondefective adenovirus 2-simian virus 40 hybrid viruses. 3. Base composition, molecular weight, and conformation of the Ad2+ND genome. Crumpacker CS, et al. J Virol 7:352-8, Mar 71
Superhelix density heterogeneity of intracellular simian virus 40 deoxyribonucleic acid. Eason R, et al. J Virol 7:1-7, Jan 71
Structural polypeptides of simian virus 40. Estes MK, et al. J Virol 7:635-41, May 71
Analysis of the molecular forms of simian virus 40 deoxyribonucleic acid synthesized in cycloheximide-treated cell cultures. Kit S, et al. J Virol 7:87-94, Jan 71
Virus-specific deoxyribonucleic acid in simian virus 40-exposed hamster cells: correlation with S and T antigens. Levine AS, et al. J Virol 6:199-207, Aug 70
Presence of cell and virus specific sequences in the same molecules of nuclear RNA from virus transformed cells. Wall R, et al.
Nature [New Biol] 232:73-6, 21 Jul 71
Components of adenovirus-simian virus 40 hybrid viruses. Baum SG, et al.
Proc Natl Acad Sci USA 68:1525-9, Jul 71
Simian virus 40 integration site in an adenovirus 7-simian virus 40 hybrid DNA molecule. Kelly TJ Jr, et al. Proc Natl Acad Sci USA 68:1037-41, May 71

GROWTH & DEVELOPMENT

Human-mouse hybrid cell lines and susceptibility to species-specific viruses. Pollack R, et al.
J Cell Physiol 77:117-9, Feb 71
Susceptibility of human cell strains to transformation by simian virus 40 and simian virus 40 deoxyribonucleic acid. Aaronson SA.
J Virol 6:470-5, Oct 70
Temperature-sensitive simian virus 40 mutant defective in a late function. Kit S, et al.
J Virol 6:286-94, Sep 70
Infection of mammalian unfertilized and fertilized ova with oncogenic viruses. Baranska W, et al.
Nature (Lond) 230:591-2, 30 Apr 71
Transformation of green monkey kidney cells by SV40 genome: the establishment of transformed cell lines and the replication of human adenoviruses and SV40 in transformed cells. Shiroki K, et al.
Virology 45:163-71, Jul 71

IMMUNOLOGY

Immunization of mouse against SV 40 induced syngeneic tumor. Stillström J.
Acta Pathol Microbiol Scand [B] 78:268, 1970
Neutralizing antibodies to SV40 in human sera from South India: search for additional hosts of SV40. Shah KV, et al. Am J Epidemiol 93:291-7, Apr 71
The histopathology of tumors induced by PARA-adenovirus 7 transformed cell clones. Pauluzzi S, et al. Eur J Cancer 6:537-43, Dec 70
Differences in the manifestation of virus-specific surface antigen between cells transformed by SV40 and UV-irradiated SV40. Klietmann W, et al.
Int J Cancer 7:50-8, 15 Jan 71
Properties of transformed hamster cells containing SV40 tumor antigen in the cytoplasm. Richardson LS, et al. Int J Cancer 7:75-85, 15 Jan 71
Malignant transformation in vitro by "non-oncogenic" variants of defective SV40 (PARA). Butel JS, et al.
J Immunol 106:969-74, Apr 71
Variation in immunosensitivity of SV40-transformed hamster cells. Tevethia SS, et al.
J Immunol 106:1295-300, May 71
Immunological studies with simian virus 40 (SVp0) tumors in hamsters. Effect of xenogenic cells in allogeneic transplantation immunity. Cox HR, et al.
J Med (Basel) 1:26-42, 1970
Transformation of rat lymph node cells by simian virus 40: attempt to "fix" specialized function. Collins JJ, et al. J Natl Cancer Inst 45:1097-104, Dec 70
Immunologic cross-reactivity between antigen of unfertilized mouse eggs and mouse cells transformed by simian virus 40. Koprowski H, et al.
J Natl Cancer Inst 46:1317-23, Jun 71
SV40 neutralizing antibodies in sera of US residents without history of polio immunization. Shah KV, et al.
Nature (Lond) 231:448-9, 18 Jun 71
Further studies on loss of T-antigen from somatic hybrids between mouse cells and SV40-transformed human cells. Weiss MC.
Proc Natl Acad Sci USA 66:79-86, May 70
Quantitative in vitro measurement of simian virus 40 tumor-specific antigens. Wright PW, et al.
Proc Natl Acad Sci USA 66:973-6, May 71
SV40 specific 'repressor' in infected and transformed cells. Cassingena R, et al.
Proc R Soc Lond [Biol] 177:77-85, 16 Feb 71
Variation in response of syrian hamster lung cells to complete or defective SV40 (PARA). Nachtigal M, et al. Proc Soc Exp Biol Med 135:727-31, Dec 70
Induction of SV40 transplantation antigen (TrAg) during the lytic cycle. Girardi AJ, et al.
Virology 42:688-96, Nov 70
[Immunization of hamsters against tumors induced by the SV40 virus] Ciobanu Z, et al.
Arch Roum Pathol Exp Microbiol 29:109-16, Mar-Jun 70 (Fre)
[The immunodepressive effect of DNA-containing viruses: papovavirus SV40 and human adenovirus type 16] Gamburg VP, et al.
Vopr Virusol 15:612-4, Sep-Oct 70 (Rus)

ISOLATION & PURIFICATION

Recovery of simian virus 40 from cloned cultures of tumor cells. Payne FE.
Arch Environ Health 21:366-71, Sep 70
Identification of the simian virus 40 which replicates when simian virus 40-transformed human cells are fused with simian virus 40-transformed mouse cells or superinfected with simian virus 40 deoxyribonucleic acid. Kit S, et al. J Virol 6:69-77, Jul 70
Genetic analysis of simian virus 40. II. Comparison of seven dilution end-point titration microassays. Robb JA. Virology 41:761-2, Aug 70
Genetic analysis of simian virus 40. I. Description of microtitration and replica-plating techniques for virus. Robb JA, et al. Virology 41:751-60, Aug 70

METABOLISM

DNA replication in SV40 infected cells. I. Analysis of replicating SV40 DNA. Levine AJ, et al.
J Mol Biol 50:549-68, 14 Jun 70
Deoxyribonucleic acid replication in simian virus 40-infected cells. IV. Two different requirements for protein synthesis during simian virus 40 deoxyribonucleic acid replication. Kang HS, et al.
J Virol 7:112-20, Jan 71
Sedimentation properties of simian virus 40-specific ribonucleic acid present in green monkey cells during productive infection and in mouse cells undergoing abortive infection. Martin MA, et al.
J Virol 6:463-9, Oct 70
Apparent differences in transcriptional control in cells productively infected and transformed by SV40. Sauer G. Nature [New Biol] 231:135-8, 2 Jun 71
Cell density-dependent changes of glycolipid concentrations in fibroblasts, and loss of this response in virus-transformed cells. Hakomori S.
Proc Natl Acad Sci USA 67:1741-7, Dec 70
Cell-surface changes after infection with oncogenic viruses: requirement for synthesis of host DNA. Sheppard JR, et al. Science 172:1345-6, 25 Jun 71
SV40 thermosensitive mutant: synthesis of viral DNA and virus-induced proteins at nonpermissive temperature. Takemoto KK, et al.
Virology 42:938-45, Dec 70

PATHOGENICITY

Relationship between molecular length and biological activity of SV40 DNA. Yamamoto S, et al.
Acta Med Okayama 24:273-85, Jun 70
SV40-tumorigenesis in mouse. Wesslén T.
Acta Pathol Microbiol Scand [B] 78:479-87, 1970
Studies on restricted growth of herpesviruses in SV40-transformed cell lines. Geder L, et al.
Acta Virol (Praha) 15:35-46, Jan 71
SV 40-transformed prostatic carcinoma in the hamster: effect of hormonal manipulation on the growth rate. Abdalla AM, et al. Cancer 27:468-70, Feb 71
Effect of adenovirus type 12 on tumor induction by SV40 and para (defective SV40). Butel JS, et al.
Int J Cancer 7:112-8, 15 Jan 71
Antigenic relationships between cell membranes of normal and SV40 transformed hamster kidney cells. Kedar E, et al. Isr J Med Sci 7:132-43, Jan 71
Properties of arginase from SV40-induced hamster fibrosarcomas and hamster liver tissues. North JA, et al. J Natl Cancer Inst 46:615-20, Mar 71
Superinfection of simian virus 40-transformed permissive cells with simian virus 40. Barbanti-Brodano G, et al. J Virol 6:644-51, Nov 70
Early events in the infection of permissive cells with simian virus 40: adsorption, penetration, and uncoating. Barbanti-Brodano G, et al.
J Virol 6:78-86, Jul 70
Initial stage of transformation of permissive cells by simian virus 40: development of resistance to productive infection. Hahn EC, et al.
J Virol 8:7-16, Jul 71
Changes in deoxyribonucleic acid synthesis regulation in Chinese hamster cells infected with simian virus 40. Lehman JM, et al. J Virol 6:738-49, Dec 70
Transformation of mouse macrophages by simian virus 40. Stone LB, et al. J Virol 6:821-7, Nov 70
Decreased host cell reactivation of irradiated SV40 virus in xeroderma pigmentosum. Aaronson SA, et al.
Nature (Lond) 228:359-61, 24 Oct 70
Tumour immunity induced in mice with cell-free homogenates of influenza virus-infected tumour cells. Boone C, et al. Nature (Lond) 231:285-6, 28 Mar 71
Serum factor requirements of normal and simian virus 40-transformed 3T3 mouse fibroplasts. Paul D, et al.
Proc Natl Acad Sci USA 68:645-52, Mar 71
Tests for oncogenicity of viruses under conditions of altered host and virus. Larson VM, et al.
Proc Soc Exp Biol Med 136:1304-13, Apr 71
Transformation of human cells with different forms of SV40 DNA. Aaronson SA, et al.
Virology 42:848-56, Dec 70
Induction of cell division in medium lacking serum growth factor by SV40. Smith HS, et al.
Virology 44:359-70, May 71
[2 Syrian hamster cell lines transformed by SV40 and non-inducible viruses] Cassingena R, et al.
Ann Inst Pasteur (Paris) 117:250-64, Aug 69 (Fre)
[The effect of actinomycin D on DNA synthesis in SV 40 infected exponentially growing and stationary cells] Fischer H, et al. Z Krebsforsch 74:390-5, 1970 (Ger)

RADIATION EFFECTS

Effect of ultraviolet irradiation on the survival of simian virus 40 functions in human and mouse cells. Aaronson SA. J Virol 6:393-9, Oct 70
Inactivation of the transforming capacity of SV40 and the oncogenicity of adenovirus 12 by ultraviolet irradiation. Yamamoto H.
Jap J Microbiol 14:487-93, Nov 70
Decreased host cell reactivation of irradiated SV40 virus in xeroderma pigmentosum. Aaronson SA, et al.
Nature (Lond) 228:359-61, 24 Oct 70
[Electron microscopy study of the 1st stages of infection of monkey kidney cells (Rhesus resus) by SV40 virus irradiated by ultraviolet or gamma rays] Ferreira-Salgado MA.
Bull Cancer (Paris) 55:399-412, Jul-Sep 68 (Fre)

SWALLOWING see DEGLUTITION (G1)

SWAMP FEVER see EQUINE INFECTIOUS ANEMIA (C1,C15)

SWEAT (A12)

[Application of the technic of neutron activation in the determination of electrolyte levels in the test of sweat] Voog R, et al.
Bull Acad Natl Med (Paris) 152:129-33, 1968 (Fre)
[The peculiar odor of schizophrenics] Melançon SB.
Union Med Can 99:1445-6, Aug 70 (Fre)
[Measurement of sweat resistance in mucoviscodosis using a simple capillary probe] Heroid W.
Monatsschr Kinderheilkd 117:626-8, Jan 69 (Ger)

ANALYSIS

The fractionation of sweat from atopic and normal subjects. Cotton DW, et al.
Acta Derm Venereol (Stockh) 51:189-93, 1971
The values of polarographically active proteinaceous substances in the sweat of children. Tomíšová H, et al.
Acta Univ Carol [Med] (Praha) 14:225-8, 1968
Total fasting and sweat chloride secretion in obese men. Lieberman J, et al.
Am J Clin Nutr 23:1610-3, Dec 70
Micro-isoelectric focusing of proteins in pilocarpine-induced sweat. Jirka M, et al.
Clin Chim Acta 31:329-32, Feb 71
Failure to detect trans-3-methyl-2-hexenoic acid in the sweat of schizophrenic patients. Perry TL, et al.
Clin Chim Acta 30:721-5, Dec 70
Elevated sweat chlorides in a child with malnutrition. Mace JW, et al. Clin Pediatr (Phila) 10:285-6, May 71
The quantitative analysis of some constituents of crude sweat. Seutter E, et al. Dermatologica 141:236-53, 1970
Effect of aldosterone on mammalian eccrine sweat glands. Collins KJ, et al.
Experientia 26:1313-4, 15 Dec 70
Relationship of sweat sodium concentration to blood pressure in control subjects and in patients with essential and renal hypertension. Levi J, et al.
Isr J Med Sci 6:665-8, Sep-Oct 70
Influence of acclimatization on sweat sodium concentration. Allan JR, et al.
J Appl Physiol 30:706-12, May 71
Effects of water intake on composition of thermal sweat in normal human volunteers. Cage GW, et al.
J Appl Physiol 29:687-90, Nov 70
The electrolyte composition of pharmacologically and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thermally stimulated sweat: a comparative study. Sato K, et al. J Invest Dermatol 55:433-8, Dec 70
Effect of exogenous mineralocorticoids on sweat sodium in cystic fibrosis. Pereira C, et al. J Pediatr 78:1036-7, Jun 71
Variations of sweat sodium values in children and adults with cystic fibrosis and other diseases. Jones JD, et al. Mayo Clin Proc 45:768-73, Nov-Dec 70
"Polywater" and sweat:similarities between the infrared spectra. Rousseau DL. Science 171:170-3, 15 Jan 71
[Our experience with the determination of sodium and chlorides in sweat] Plachý V, et al. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:191-6, 1970 (Cze)
[The significance of the sweat test in adults] Heusden A, et al. Acta Paediatr Belg 24:529-38, 1970 (Fre)
[The sweat test in mucoviscidosis, chronic bronchitis and adult diabetes] Dodinval P, et al. Pathol Biol (Paris) 16:705-14, Aug-Sep 68 (Fre)
[Factors in interpretation of sweat test in children. Determination of electrolytes using the neutron activation technic] Rambaud P, et al. Pediatrie 25:855-63, Dec 70 (Fre)
[Value of the systematic sweat test in chronic bronchitis for detection of mucoviscidosis with delayed manifestation] Voog R, et al. Poumon Coeur 27:101-9, 1971 (Fre)
[Gaschromatographic investigations of free and esterified fatty acids in human eccrine sweat] Peter G, et al. Arch Klin Exp Dermatol 238:154-9, 1970 (Ger)
[Studies on skin perspiration] Winkler A. Cosmetologica 19:383-5, 20 Oct 70 (Ger)
[Incidence and diagnosis of cystic fibrosis (mucoviscidosis). Experiences with night sweat collection] Thal W, et al. Kinderaerztl Prax 38:514-9, Nov 70 (Ger)
[Aldosterone effect on the sodium chloride and potassium excretion in the sweat of cystic fibrosis patients and healthy persons] Emrich HM, et al. Klin Wochenschr 48:966-72, 15 Aug 70 (Ger)
[Sweat sodium and potassium concentration in relation to the urinary aldosterone excretion rate and exogenous desoxicorticosterone in normal subjects] Mantero F. Acta Isot (Padova) 10:47-63, 15 Dec 69 (Ita)
[New method for analyzing the electrolyte content of human sweat secretion] De Vecchis A, et al. Arch Patol Clin Med 44:456-64, 1967 (Ita)
[Comparative study of sodium in nails and sweat of cystic fibrosis patients] Antonelli M, et al. Fracastoro 63:335-9, May-Aug 70 (Ita)
[Various methods for the determination of the chloride level in sweat] Colombo ML, et al. Fracastoro 63:302-6, May-Aug 70 (Ita)
[Behavior of the sweat test in the newborn] Durante M, et al. Fracastoro 63:324-7, May-Aug 70 (Ita)
[The sweat test. Synthesis of 15 years of experience] Perfumo F, et al. Fracastoro 63:297-301, May-Aug 70 (Ita)
[A simple method for the collection of sweat in infants] Vedovini F, et al. Fracastoro 63:327-34, May-Aug 70 (Ita)
[The sweat test: a simple method of specimen collection with a rubber cap] Vedovini F, et al. Minerva Pediatr 22:1050-4, 19 May 70 (Ita)
[The determination of electrolytes in sweat in the diagnosis of cystic fibrosis] Silenzi M. Riv Clin Pediatr 81:1357-9, Nov-Dec 68 (Ita)
[Behavior of sodium, potassium, calcium and chloride ions in the sweat of children with rheumatic fever and bronchial asthma treated with prednisone] Szczebel-Domanasiewicz M. Pediatr Pol 46:443-55, Apr 71 (Pol)
[Elimination of sodium and potassium in the sweat of patients with arterial hypertension] Wodniecki J, et al. Pol Arch Med Wewn 45:803-7, 1970 (Pol)
[Sweat electrolytes in a selected group of children with suspected muscoviscidosis] Krupińska-Sanecka I, et al. Wiad Lek 24:841-4, 1 May 71 (Pol)
[Method of determining the amount and salt composition of human sweat] Azhevskif PIa, et al. Gig Sanit 35:87-8, Mar 70 (Rus)
[Possibility of detecting sperm, urine, saliva and perspiration in washed and ironed-over stains. 2. Detection of urine, saliva and perspiration in washed stains. Detection of excretions in ironed-over stains] Barsegiants LO. Sud Med Ekspert 13:45-8, Jul-Sep 70 (Rus)
[Problem of mucoviscidosis in children with diseases of the respiratory organs and diagnostic value of several tests] Kapranov NI. Vopr Okhr Materin Det 15:55-9, Jun 70 (Rus)
[Significance of the Shvakhman-Gam test and determination of sweat electrolyte levels in the diagnosis of mucoviscidosis in children with bronchial asthma] Kapranov NI, et al. Vopr Okhr Materin Det 16:80-1, Feb 71 (Rus)

ENZYMOLOGY

Human sweat kallikrein. Biochemical demonstration and chromatographic separation from several other esteropeptidases in the sweat. Fräki JE, et al. Acta Derm Venereol (Stockh) 50:321-6, 1970

IMMUNOLOGY

Further observations on immunoglobulins of external secretions. Bazzi C, et al. Progr Immunobiol Stand 4:333-5, 1970

METABOLISM

Labelling of steroids in axillary sweat after administration of 3H-delta-5-pregnenolone and 14C-progesterone to a healthy man. Brooksbank BW. Experientia 26:1012-4, 26 Sep 70
Drug excretion in human eccrine sweat. Johnson HL, et al. J Invest Dermatol 56:182-8, Mar 71
Sweat and miscellaneous nitrogen losses in human balance studies. Calloway DH, et al. J Nutr 101:775-86, Jun 71

PHYSIOLOGY

[Influence of sweat on the acid coat and microflora of the skin] Fiedler HP. Cosmetologica 19:289-96, 20 Aug 70 (Ger)

SECRETION

The histophysiology of rat plantar sweat glands. Munger BL, et al. Anat Rec 169:1-21, Jan 71

SWEAT GLAND NEOPLASMS (C2)

Eccrine spiradenoma. Michaëlsson G. Acta Derm Venereol (Stockh) 51:239, 1971
Case report of adenocarcinoma of glands of Moll. Aurora AL, et al. Am J Ophthalmol 70:984-90, Dec 70
Sweat gland carcinoma. Hirsh LF, et al. Ann Surg 174:283-6, Aug 71
Mucinous (adenocystic) carcinoma of the skin. Mendoza S, et al. Arch Dermatol 103:68-78, Jan 71
Apocrine cystadenoma. Hunter GA, et al. Australas J Dermatol 11:82-6, Aug 70
Apocrine sweat gland carcinoma. Report of a case. Baes H, et al. Br J Dermatol 83:483-6, Oct 70
Clear cell hidradenoma with metastasis. Case report with a review of the literature. Chung CK, et al. Plast Reconstr Surg 48:177-80, Aug 71
[Sudoral tumors] Dupont A. Arch Belg Dermatol Syphiligr 26:275-87, 1970 (Fre)
[Multiple eccrine spiradenoma] Bazex A, et al. Bull Soc Fr Dermatol Syphiligr 78:73-4, 1971 (Fre)
[2 cases of sweat gland carcinoma of the external auditory meatus] Yamada A, et al. Otolaryngology (Tokyo) 43:31-6, Jan 71 (Jap)

COMPLICATIONS

Paget's disease and apocrine gland carcinoma of the vulva. Boehm F, et al. Obstet Gynecol 38:185-92, Aug 71
[Papilliferous syringocystadenoma and basocellular epithelioma on Jadassohn's sebaceous nevus] Thiers H, et al. Lyon Med 221:1028-31, 27 Apr 69 (Fre)

DIAGNOSIS

[Malignant change in a syringoma] Baerthold W, et al. HNO 19:220-2, Jul 71 (Ger)
[Eccrine spiradenoma] Cabre J, et al. Actas Dermosifiliogr 61:225-34, Jul-Aug 70 (Spa)

ETIOLOGY

[Apocrine adenocarcinoma in a patient with xeroderma pigmentosum] Condorelli B, et al. Riv Anat Patol Oncol 33:LI-LXV, 1968 (Ita)

PATHOLOGY

Sweat gland carcinoma: a clinico-pathologic study of 83 patients. el-Domeiri AA, et al. Ann Surg 173:270-4, Feb 71
Syringoma of the vulva. Carneiro SJ, et al. Arch Dermatol 103:494-6, May 71
An unusual case of syringoma. Zalla JA, et al. Arch Dermatol 103:215-7, Feb 71
Rara avis. Bruno MS, et al. NY State J Med 71:865-71, 15 Apr 71
[Papillary cystadenoma of the pre-tragus region] Calvet J, et al. J Fr Otorhinolaryngol 20:49 passim, Jan 71 (Fre)
[Histotopy and histogenesis of multiple syringomas] Haensch R, et al. Arch Dermatol Forsch 240:245-58, 1971 (Ger)
[Malignant degeneration of Spiegler's tumor] Korting GW, et al. Dermatol Monatsschr 156:141-7, 1970 (Ger)
[Lichen amyloidus in generalized pericollagenic amyloidosis and plasmacytoma, coincidence of epithelioma adenoides cysticum Brooke and Spiegler tumors] Jänner M. Hautarzt 22:265-6, Jun 71 (Ger)
[Diseases of the exterior female genitalia. Adnexal neoplasms, cylindroma (Spiegler's tumor)] Grimmer H. Z Haut Geschlechtskr 46:123-30, 15 Aug 71 (Ger)
[Diseases of the external female genitalia. Hidradenoma papilliferum (Adenoma hidradenoides. Hidradenoma tubulare)] Grimmer H. Z Haut Geschlechtskr 46:105-13 passim, 15 Jul 71 (Ger)
[Recurrent clear cell hidradenoma (malignant sweat gland tumor) and sebaceous carcinoma (epithelioma) of the skin and the multi-potential reserve cell theory] Suprun H, et al. Harefuah 78:391-4, 15 Apr 70 (Heb)
[On malignant transformation of eccrine spiradenoma] Dąbska M. Nowotwory 21:37-45, Jan-Mar 71 (Pol)
[Tumors of the skin appendages (of sweat gland origin)] Rocha GL, et al. An Bras Dermatol 45:1-30, Jan-Mar 70 (Por)
[Syringo-epithelioma of the skin] Apatenko AK. Arkh Patol 32:11-8, 1970 (Rus)
[Morphologic changes in the skin of animals following a single application of carcinogenic hydrocarbons] Vasil'eva NN. Biull Eksp Biol Med 71:116-9, Mar 71 (Rus)

RADIOGRAPHY

[Recurring brain metastases of a sweat gland neoplasm] Agnoli A, et al. Fortschr Geb Roentgenstr Nuklearmed 115:79-84, Jul 71 (Ger)

SURGERY

[Eccrine epithelioma. Treatment using Mohs' chemosurgery] Baer RL, et al. Hautarzt 22:241-4, Jun 71 (Ger)

SWEAT GLANDS (A1)

The surgical treatment of perianal hidradenitis suppurativa. Barron J. Dis Colon Rectum 13:441-3, Nov-Dec 70
Patchy alopecia, anhidrosis, eccrine gland wall hypertrophy and vasculitis. Sarkany I. Proc R Soc Med 63:888-9, Sep 70
Hidradenitis suppurativa. Ajayi OO, et al. West Afr Med J 19:173-5, Dec 70
[Keratosic and fissured digitopulpitis and sweat retention] Stewart WM. Ann Dermatol Syphiligr (Paris) 98:49-52, 1971 (Fre)
[Experience in the treatment of hidradenitis with biomycin phonophoresis] Iudkevich PA. Vestn Dermatol Venerol 44:75-7, Jul 70 (Rus)
[Ultrasonic therapy of hidradenitis and mastitis] Skliarevskif EA, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:466-7, Sep-Oct 70 (Rus)

ABNORMALITIES

Hypohidrotic ectodermal dysplasia. A study of sweat pores in the X-linked form and in a family with probable autosomal recessive inheritance. Crump IA, et al. J Pediatr 78:466-73, Mar 71
[Anhidrotic ectodermal dysplasia in a brother and a sister born of consanguinous parents] Vlasian L, et al. Bull Soc Fr Dermatol Syphiligr 76:472-3, 1969 (Fre)

ANALYSIS

Localization of smooth muscle protein in myoepithelium by immunofluorescence. Archer FL, et al. Am J Pathol 63:109-18, Apr 71

ANATOMY & HISTOLOGY

Histology of the subauricular and rump glands of the pronghorn (Antilocapra americana Ord). Moy RF. Am J Anat 129:65-87, Sep 70
Surface appearances of the eccrine sweat duct by scanning electron microscopy. Johnson C, et al. Br J Dermatol 83:655-60, Dec 70
[Sweat glands on the back side of the external ear] Wagener HH. Arch Klin Exp Dermatol 239:1-5, 1970 (Ger)

CYTOLOGY

The histophysiology of rat plantar sweat glands. Munger BL, et al. Anat Rec 169:1-21, Jan 71
Demonostration of the intercellular spaces of the human eccrine sweat gland by lanthanum. I. The secretory coil. Hashimoto K. J Ultrastruct Res 36:240-62, Jul 71
Myoepithelial cells of the sweat glands of domestic animals. Jenkinson DM. Res Vet Sci 12:152-5, Mar 71
[The axillary apocrine glands and mammary hidrosadenoid metaplasia. Histochemical and ultrastructural comparison] Gros CM, et al. Ann Histochim 16:9-27, Jan-Mar 71 (Fre)

DRUG EFFECTS

Mineralocorticoids and sweat gland function. Gibiński K, et al. Acta Biol Med Ger 25:201-5, 1970
The patency of sweat ducts in normal-looking skin. Johnson C, et al. Br J Dermatol 83:367-70, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The effect of ADH on eccrine sweating in the rat. Quatrale RP, et al. J Invest Dermatol 55:344-9, Nov 70
The electrolyte composition of pharmacologically and thermally stimulated sweat: a comparative study. Sato K, et al. J Invest Dermatol 55:433-8, Dec 70
Mineralocorticoid action on human and cat-pad eccrine J Physiol (Lond) 210:140P+, Sep 70
Action of adrenaline on sweat glands and sudomotor transmission. Edisen AE, et al. J Physiol (Lond) 210:164P+, Sep 70
Action of pilocarpine on sweat glands and sudomotor transmission. Edisen AE, et al. J Physiol (Lond) 211:Suppl:25P+, Dec 70
Effects of cholinergic and adrenergic blocking agents on the activity of the eccrine sweat glands. Foster KG, et al. J Physiol (Lond) 210:883-95, Nov 70
Factors affecting the quantitative response of human eccrine sweat glands to intradermal injections of acetylcholine and methacholine. Foster KG. J Physiol (Lond) 213:277-90, Mar 71
Cyclic AMP, bradykinin and sweat gland function. Gordon C, et al. J Physiol (Lond) 213:68P-69P, Mar 71

EMBRYOLOGY

[Histogenetic study on the sweat glands and other accessory organs of head skin in Japanese fetuses] Ishii R. J Kumamoto Med Soc 44:926-36, 25 Oct 70 (Jap)

ENZYMOLOGY

Enzymatic basis for the active transport of sodium in the eccrine sweat gland. Localization and characterization of Na-K-adenosine triphosphatase. Sato K, et al. J Invest Dermatol 57:10-6, Jul 71

METABOLISM

Sodium ion conservation during acclimatization of men to work in the heat. Smiles KA, et al. J Appl Physiol 31:63-9, Jul 71
Glucose metabolism of the isolated eccrine sweat gland. I. The effects of mecholyl, epinephrine and ouabain. Sato K, et al. J Invest Dermatol 56:272-80, Apr 71

PATHOLOGY

Anatomy of eccrine sweat glands in children with chronic renal insufficiency and other fatal chronic diseases. Landing BH, et al. Am J Clin Pathol 54:15-21, Jul 70
Organoid nevus with eccrine sweat gland predominance. Cortes AC. Arch Dermatol Forsch 240:119-22, 1971
[Morphologic changes in the skin of animals following a single application of carcinogenic hydrocarbons] Vasil'eva NN. Biull Eksp Biol Med 71:116-9, Mar 71 (Rus)

PHYSIOLOGY

Mineralocorticoids and sweat gland function. Gibiński K, et al. Acta Biol Med Ger 25:201-5, 1970
Role of circulating catecholamines in human eccrine sweat gland control. Foster KG, et al. Clin Sci 39:823-32, Dec 70
Studies on the nature of sweat gland 'fatigue' in the goat. Jenkinson DM, et al. J Physiol (Lond) 212:455-65, Jan 71
Impedance changes across the footpad of the cat in relation to action and secretion in sweat glands. Lloyd DP. Proc Natl Acad Sci USA 66:1150-3, Aug 70
[Mechanisms of hydration of the palmoplantar corneal stratum] Zářejský J, et al. Cesk Dermatol 46:7-16, Feb 71 (Cze)
[Value of the sweat function test in hospital practice] Brun R, et al. Sem Hop Paris 47:1239-41, 20 Apr 71 (Fre)
[Experimental studies of sweat secretion in free, autologous full-thickness skin grafts in man] Gloor M, et al. Arch Klin Exp Dermatol 239:57-64, 1970 (Ger)

PHYSIOPATHOLOGY

Thermal induced sweating in tattooed skin. Cotton DW, et al. Dermatologica 141:252-4, 1970
[Sweat gland excretory ducts in normal and abnoral keratinization of the palmar-plantar skin] Horáček J, et al. Dermatol Monatsschr 157:145-54, Mar 71 (Ger)

SECRETION

The sweat gland as a mucous gland. Seutter E, et al. Dermatologica 141:397-408, 1970
Effect of aldosterone on mammalian eccrine sweat glands. Collins KJ, et al. Experientia 26:1313-4, 15 Dec 70
[Localised sweating disorders as diagnostic criteria] Schliack H, et al. Med Welt 22:1421-5, 11 Sep 71
The localization of sodium transport sites in a forward pumping secretory system. Siegers JF, et al. Pfluegers Arch 327:167-85, 1971
[Evaluation of the usefulness of interlethal activity of the sweat glands as an indication of the time of death] Raszeja S, et al. Z Rechtsmed 67:223-6, 1970 (Ger)

Simple surgery for axillary hyperhidrosis (two cases). Weaver PC, et al. Proc R Soc Med 64:607-8, Jun 71
[Surgical treatment of axillary hyperhidrosis] Gonzalez Fontana R, et al. Actas Dermosifiliogr 61:99-106, Mar-Apr 70 (Spa)
[Surgical treatment of axillary hyperhidrosis] Pettersson LO, et al. Lakartidningen 67:5676-80, 25 Nov 70 (Swe)

SWEATING (G1)

Jacobson's neurectomy for Frey's syndrome. Smith RO Jr, et al. Am J Surg 120:478-81, Oct 70
Anhidrotic ectodermal dysplasia: predisposition to bronchial disease. Beahrs JO, et al. Ann Intern Med 74:92-6, Jan 71
Severe hypermetabolism with primary abnormality of skeletal muscle mitochondria. Haydar NA, et al. Ann Intern Med 74:548-58, Apr 71
Postural hypotension and anhidrosis. The autonomic insufficiency syndrome. Fisher DA, et al. Arch Dermatol 102:527-31, Nov 70
Sweat function in babies with defects of the central nervous system. Foster KG, et al. Arch Dis Child 46:444-51, Aug 71
Generalized hyperhidrosis following epilepsy. Cunliffe WJ, et al. Br J Dermatol 85:186-8, Aug 71
Evaluation of a simple surgical treatment of axillary hyperhidrosis. Gillespie JA, et al. Br J Dermatol 83:684-9, Dec 70
Hypohidrotic (or anhidrotic) ectodermal dysplasia--an appraisal of diagnostic methods. Verbov J. Br J Dermatol 83:341-8, Sep 70
Surgical treatment of axillary hyperhidrosis. Davis PK. Br J Plast Surg 24:99-100, Jan 71
Slow sodium: an oral slowly released sodium chloride preparation. Clarkson EM, et al. Br Med J 3:604-7, 11 Sep 71
Role of sympathectomy for hyperhidrosis. Greenhalgh RM, et al. Br Med J 1:332-4, 6 Feb 71
Thermal induced sweating in tattooed skin. Cotton DW, et al. Dermatologica 141:252-4, 1970
Transient changes in sweating activity of man following ingestion of water at different temperatures. Banerjee MR. Int J Biometeorol 14:381-90, Dec 70
Louisa Burns Memorial Symposium: Autonomic control of vasomotion, sweating, and skin temperature in humans. Keiso AF. J Am Osteopath Assoc 70:1025-46, Jun 71
Central and peripheral stimuli regulating sweating during intermittent work in men. Gisolfi C, et al. J Appl Physiol 29:761-8, Dec 70
Exercise temperature regulation in man during hypohydration and hyperhydration. Greenleaf JE, et al. J Appl Physiol 30:847-53, Jun 71
Importance of skin temperature in the regulation of sweating. Nadel ER, et al. J Appl Physiol 31:80-7, Jul 71
Regulation of sweat secretion during positive and negative work. Smiles KA, et al. J Appl Physiol 30:409-12, Mar 71
An experimental analog of public speaking. Droppleman LF, et al. J Consult Clin Psychol 36:91-6, Feb 71
Evaluation of the symmetry of sweating on the back. Coggins JH, et al. J Invest Dermatol 55:282-3, Oct 70
Hypohidrotic ectodermal dysplasia. A study of sweat pores in the X-linked form and in a family with probable autosomal recessive inheritance. Crump IA, et al. J Pediatr 78:466-73, Mar 71
Bradykinin in forearm venous blood during sweating. Allwood MJ, et al. J Physiol (Lond) 215:55P-56P, May 71
The influence of exercise on the sweating threshold. Crockford GW, et al. J Physiol (Lond) 217:37P-38P, Aug 71
Ircadian changes in sweating threshold. Crokford GW, et al. J Physiol (Lond) 207:26P-27P, Mar 70
Sweat discharge in Welsh Mountain sheep. Johnson KG. J Physiol (Lond) 209:Suppl:35P+, Jul 70
The discharge of sweat in Welsh mountain sheep. Johnson KG. J Physiol (Lond) 215:743-53, Jul 71
The function of the tympanic plexus as related to Frey's syndrome. Ross JA. Laryngoscope 80:1816-33, Dec 70
Alterations in sweat response in skin lesions of leprosy. A dermometric study. Furness MA. Lepr Rev 41:160-74, Jul 70
Auriculotemporal syndrome (Frey's syndrome). Pansino FA. Oral Surg 31:39-40, Jan 71
A case of spinal cord injury at birth with analgesia and anhidrosis. Nagayama E, et al. Paediatr Univ Tokyo 18:174-9, Dec 70
Rod-and-Frame Test performance as a function of momentary arousal. Morf ME, et al. Percept Mot Skills 31:703-8, Dec 70
Axillary skin excision as a treatment for axillary hyperhidrosis. Weaver PC. Postgrad Med J 46:422-4, Jul 70
Surgical treatment of severe hyperidrosis. Kilis H, et al. Proc R Soc Med 64:768-70, Jul 71
Simple surgery for axillary hyperhidrosis (two cases). Weaver PC, et al. Proc R Soc Med 64:607-8, Jun 71
electrodermal response. Edelberg R. Psychophysiology 6:527-39, Mar 70
The reduction of palmar skin potential by epidermal hydration. Fowles DC, et al. Psychophysiology 7:254-61, Sep 70
Anhidrotic ectodermal dysplasia: presentation in the neonatal period. Olinsky A, et al. S Afr Med J 44:1234-5, 31 Oct 70
An instrument for estimating evaporation from small skin surfaces. Lamke LO. Scand J Plast Reconstr Surg 4:1-7, 1970
Results of tympanic neurectomy for Frey's syndrome. Ross JA. Trans Pac Coast Otoophthalmol Soc 51:87-98, 1970
Bovine hyperhidrosis syndrome: an inherited condition in purebred Shorthorn cattle? Larson PW, et al. Vet Med Small Anim Clin 66:667-70, Jul 71
[Hidradenitis suppurativa perianalis] Kubec K, et al. Cesk Dermatol 46:39-41, Feb 71 (Cze)
[Mechanisms of hydration of the palmoplantar corneal stratum] Zářejský J, et al. Cesk Dermatol 46:7-16, Feb 71 (Cze)
[Problems of basal periodicity in sweat secretion] Toman M, et al. Cesk Pediatr 25:589-91, Dec 70 (Cze)
[Surgical treatment of hyperhidrosis] Koch PW, et al. Ned Tijdschr Geneeskd 115:107-11, 16 Jan 71 (Dut)
[Intake-diuresis reflex and its role in thermal and water-electrolyte regulation] Nicolaïdis S. Arch Sci Physiol (Paris) 24:397-408, 1970 (Fre)
[Ectodermal anhidrotic polydysplasia with meibomian and gingival hypoplasia, bister color of the eyelids and peripapillary pigmented circle] Collier M. Bull Soc Ophtalmol Fr 69:845-57, Sep-Oct 69 (Fre)
[Sweating in the human in the morning and afternoon transition period] Timbal J, et al. C R Soc Biol (Paris) 164:498-500, 1970 (Fre)
[Cardiac output at the onset of sweating. Study in man] Boutelier C, et al. J Physiol (Paris) 63:17A-18A, Mar-Apr 71 (Fre)
[Comparison of sweating in humans during the morning and afternoon] Timbal J, et al. J Physiol (Paris) 62:Suppl 2:324-5, 1970 (Fre)
[Value of the sweat function test in hospital practice] Brun R, et al. Sem Hop Paris 47:1239-41, 20 Apr 71 (Fre)
[Recording of sudimotor sympathetic action potentials in awake human beings] Erbel F, et al. Aerztl Forsch 24:345-8, 10 Dec 70 (Ger)
[Experimental studies of sweat secretion in free, autologous full-thickness skin grafts in man] Gloor M, et al. Arch Klin Exp Dermatol 239:57-64, 1970 (Ger)
[Physical skin measurements in acne and pyoderma] Ude P. Cosmetologica 19:411-6, 20 Dec 70 (Ger)
[Anhidrosis of the sole. Symptom of retroperitoneal tumor invasion] Schliack H, et al. Dtsch Med Wochenschr 96:977-9, 4 Jun 71 (Ger)
[Pharmacological research on a new antiperspiration and deodorant preparation] Faveri P, et al. Arcisp S Anna Ferrara 22:123-33, 1969 (Ita)
[Persistent facial hemihyperhidrosis] Gniazdowski R, et al. Przegl Dermatol 57:661-7, Sep-Oct 70 (Pol)
[Effect of phenazoline on hand hyperhidrosis in sailors in tropical climate] Modrzejewski J, et al. Przegl Dermatol 57:775-8, Nov-Dec 70 (Pol)
[The salivary-sweating syndrome, a relatively frequent complication of parotidectomy] Gergel I., et al. Stomatologia (Bucur) 17:435-40, Sep-Oct 70 (Rum)
[A study of hidrosis by the electronometric method in the diagnosis of nerve injuries] Bersnev VP, et al. Vopr Neirokhir 34:38-42, May-Jun 70 (Rus)
[Surgical treatment of axillary hyperhidrosis] Gonzalez Fontana R, et al. Actas Dermosifiliogr 61:99-106, Mar-Apr 70 (Spa)
[Surgical treatment of axillary hyperhidrosis] Pettersson LO, et al. Lakartidningen 67:5676-80, 25 Nov 70 (Swe)
[Water loss through the skin in different climatic states] Lamke LO. Nord Med 84:1345, 15 Oct 70 (Swe)
[Biological bandages, effect on skin evaporization] Lamke LO, et al. Nord Med 84:1382, 22 Oct 70 (Swe)

DRUG EFFECTS

Drug-induced localized sweating in neonates. Responses to exogenous and endogenous acetylcholine. Green M, et al. Am J Dis Child 120:434-8, Nov 70
The patency of sweat ducts in normal-looking skin. Johnson C, et al. Br J Dermatol 83:367-70, Sep 70
The effect of pretreatment of skin on artificially induced miliaria rubra and hypohidrosis. Stillman MA, et al. Br J Dermatol 84:110-6, Feb 71
The interference of some substances with the water vapour loss of human skin. Spruit D. Dermatologica 142:89-92, 1971
The effect of aldosterone on sweating in the cat. Dobson RL, et al. J Invest Dermatol 56:337-9, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The effect of ADH on eccrine sweating in the rat. Quatrale RP, et al. J Invest Dermatol 55:344-9, Nov 70
A quantitative measurement of sweat production after local injection of adrenalin. Warndorff JA, et al. J Invest Dermatol 56:384-6, May 71
The effect of antidiuretic hormone on the rate of sweat production in man. Allen JA, et al. J Physiol (Lond) 212:37P-38P, Jan 71

INSTRUMENTATION

[Setting permitting prolonged measurements of oxygen consumption (VO2), of respiratory quotient (R) and of insensitive perspiration, in man] Apfelbaum M, et al. J Physiol (Paris) 63:91-5, Jan-Feb 71 (Fre)

SWEATING SICKNESS see under TICK TOXICOSES

(C14)

SWEETENING AGENTS (D13)

The influence of some components of the sweetener system on the palatability of oral solutions. Am J Hosp Pharm 27:762-5, Sep 70
Report on cyclamates by the committee set up by the Israel Ministry of Health. Isr J Med Sci 6:576-9, Jul-Aug 70
Sorbitol and mannitol for diabetic patients? Brennan E, et al. J Am Diet Assoc 58:570 passim, Jun 71
[Fructose as sweetening agent in normal and diabetic nutrition] Marks V. Acta Diabetol Lat 8:335-46, Mar-Apr 71 (Mul)

ADVERSE EFFECTS

[The cancer-risk in man from synthetic sweetening agents] Rudali G. Presse Med 79:569-72, 13 Mar 71 (Fre)
[Problem of toxicity of sweetening agents] Demole M. Rev Med Suisse Romande 89:1189-92, Dec 69 (Fre)

ANALYSIS

[On the test methods of sodium cyclamate in dentifrices] Obata T, et al. Bull Natl Inst Hyg Sci (Tokyo) 88:90-2, 1970 (Jap)

ISOLATION & PURIFICATION

Separation and detection of synthetic sweetners by thin-layer chromatography. Nagasawa K, et al. J Chromatogr 52:173-6, 7 Oct 70

METABOLISM

Excretion of cyclohexylamine, a metabolite of cyclamate, in human urine. Asahina M, et al. Chem Pharm Bull (Tokyo) 19:628-32, Mar 71

TOXICITY

Artificial sweeteners as urinary bladder carcinogens. Bryan GT, et al. Arch Environ Health 23:8-12, Jul 71 (46 ref.)

SWIFT'S DISEASE see ACRODYNIA (C10)

SWIMBLADDER see AIR BLADDER (A13)

SWIMMING (E2)

Effects of digitoxin on the ultrastructural myocardial changes in the rat subjected to chronic exercise. Aldinger EE, et al. Am J Cardiol 26:369-74, Oct 70
Effects of forced swimming exercise on dystrophic mice. Wilson R, et al. Arch Phys Med Rehabil 52:216-9 passim, May 71
The effects of vitamin E and training on physiological function and athletic performance in adolescent swimmers. Sharman IM, et al. Br J Nutr 26:265-76, Sep 71
Reaction of swimmers to cold. Tanaka M, et al. Bull Tokyo Med Dent Univ 17:217-26, Sep 70
Regional distribution of 137Cs in rats forced to swim in warm and cold water. Horvath SM, et al. Comp Biochem Physiol, 37:265-70, 15 Nov 70
Electron microscopic localization of acid phosphatase and thiamine pyrophosphatase activities in the motoneurons of exercised mice. Jonek J, et al. Histochemie 23:116-9, 1970
Cardiac outputs during maximum effort running and swimming. Dixon RW Jr, et al. J Appl Physiol 30:653-6, May 71
Metabolic and cardiorespiratory response during free swimming and treadmill walking. McArdle WD, et al. J Appl Physiol 30:733-8, May 71
The metabolic cost of swimming in ducks. Prange HD, et al. J Exp Biol 53:763-77, Dec 70
Swimming, competence, and personality change. Koocher GP. J Pers Soc Psychol 18:275-8, Jun 71
Radiographic determination of the skeletal age of the young swimmers. Bugyi B, et al. J Sports Med Phys Fitness 10:269-70, Dec 70
Maximum oxygen intake of Japanese top swimmers. Miyashita M, et al. J Sports Med Phys Fitness 10:211-6, Dec 70
The scalenus anticus syndrome and competitive swimming. Report of two cases. Frankel SA, et al. JAMA 215:1796-8, 15 Mar 71
Effect of prolonged swimming on the distribution of ascorbic acid and cholesterol in the tissues of the guinea-pig. Hughes RE, et al. Life Sci [I] 10:661-8, 15 Jun 71
Behavioral and neurochemical effects of acute swim stress are due to hypothermia. Stone EA. Life Sci [I] 9:877-88, 1 Aug 70
Two methods of teaching beginning swimming. Holt A, et al. Res Q Am Assoc Health Phys Educ 41:371-7, Oct 70
Platanista gangetica, a dolphin that swims on its side. Pilleri G. Rev Suisse Zool 77:305-7, Jun 70
An automatic device for measuring the speed of swimming of small laboratory animals. Tufil M, et al. Sb Ved Pr Lek Fak Karlovy Univ 13:73-7, 1970
[Spontaneous simultaneous bilateral rupture of the Achilles tendon] Vovor VM, et al. Bull Soc Med Afr Noire Lang Fr 16:58-63, 1971 (Fre)
[Can one contract ancylostomiasis in an aquatic environment?] Brumpt LC, et al. Bull Soc Pathol Exot 63:363-7, May-Jun 70 (Fre)
[Dynamics of swimming fishes] Cohen G. Cah Med 12:167-8, 15 Feb 71 (Fre)
[Swimming instructions for children with paroxysmal brain diseases] Matthes A. Dtsch Med Wochenschr 96:1373, 20 Aug 71 (Ger)
[Swimmung in spite of epilepsy?] Penin H. Med Klin 66:1099, 6 Aug 71 (Ger)
[Swimming accidents in Switzerland. Statistics on the years 1963-1965] Schwager C. Schweiz Z Sportmed 18:171-83, 1970 (Ger)
[Cold urticaria and swimmer's death] Brandes K. Z Allgemeinmed 46:1219-20, 31 Aug 70 (Ger)
[Treatment of otitis externa and swimmers' otitis] Jenkins BH. Resen Clin Cient 39:249-51, Sep-Oct 70 (Por)
[Hormonal, circulatory and metabolic changes under the influence of experimental training] Derevenco P, et al. Fiziol Norm Patol 17:37-49, 1971 (Rum)
[Shoulder dislocation in swimmers] Cherkes-Zade DI. Ortop Travmatol Protez 32:80-1, Feb 71 (Rus)
[Effect of therapeutic gymnastics and swimming on the condition of children with rheumatism] Strakovskaia VL, et al. Pediatriia 50:26-9, Feb 71 (Rus)
[Changes in catecholamine content in albino rat brain during swimming of different periods of duration] Pogodaev KI, et al. Ukr Biokhim Zh 42:575-9, 1970 (Rus)
[State of the cardiovascular system during swimming in low latitudes] Nikitinskiĭ IuB, et al. Voen Med Zh 1:68-9, Jan 71 (Rus)

ADVERSE EFFECTS

[Hazards of swimming and diving without diving equipment] Schüttert B. Z Allgemeinmed 47:1064-7, 31 Jul 71 (Ger)

SWIMMING POOLS (G3)

An aquatic swim-mill. Astrand PO, et al. Acta Physiol Scand 80:15A, Dec 70
"The old swimmin'-hole". Huth EJ. Ann Intern Med 74:1009, Jun 71
Swimming pool hygiene. Hausler WJ. Health Lab Sci 7:197-8, Oct 70
Death in the swimming bath. Alison M. Nurs Times 67:56, 14 Jan 71
The evolution of the swimming pool. Craig RH. R Soc Health J 91:193-9, Jul-Aug 71
[Helminthological study of Prague swimming pools] Kawaciuková J. Cesk Epidemiol Mikrobiol Imunol 20:156-8, May 71 (Cze)
[3 cases of primary amebic meningoencephalitis observed in Anvers (Belgium)] Jadin JB, et al. Ann Soc Belg Med Trop 51:255-66, 1971 (Fre)
[Ozone-active carbon treatment of sea-water in swimming-pools] Havemeister G, et al. Arch Hyg Bakteriol 154:447-61, Apr 71 (Ger)
[Indoor swimming-pools with ozonizing equipment] Wanner HU. Arch Hyg Bakteriol 154:462-73, Apr 71 (Ger)
[Water chlorination in swimming pools] Eyer H. Dtsch Med Wochenschr 96:520, 19 Mar 71 (Ger)
[1st report on the operation of the public swimming hall Ankiam] Klug J, et al. Z Gesamte Hyg 16:580-4, Aug 70 (Ger)
[Comparative study on bacterial water pollution tests in swimming pools] Villa L, et al. Ann Ist Super Sanita 6:1-8, 1970 (Ita)
[Examination of the characteristics and function of covered and uncovered mineral springs in Euganea and their bacteriological examination for 5 years (1963-1967)] Ramparzo G, et al. Nuovi Ann Ig Microbiol 20:135-73, Mar-Apr 69 (Ita)
[Effects of active chlorine and iodine on the capacity to survive in swimming pools of eggs of human intestinal helminths--Ascaris lumbrocoides and Enterobius vermicularis] Iwańczuk I, et al. Rocz Panstw Zakl Hig 22:179-87, 1971 (Pol)

SWINE (B2)

Veterinary hygienic aspects of mite-infested feed. II. Experiments on albino mice, swine and cattle. Geszteszy T, et al. Acta Vet Acad Sci Hung 20:401-3, 1970
Enterococcus occurrence in organs and muscles of slaughtery swine. Puszta S. Acta Vet Acad Sci Hung 20:391-5, 1970
Abortion in sows. Aamdal J. Acta Vet Scand 11:390-3, 1970
Early pathogenesis of colitis in neonatal pigs monocontaminated with Escherichia coli. Fine structural changes in the circulatory compartments of the lamina propria and submucosa. Staley TE, et al. Am J Dig Dis 15:937-52, Oct 70
Early pathogenesis of colitis in neonatal pigs monocontaminated with Escherichia coli. Fine structural changes in the colonic epithelium. Staley TE, et al. Am J Dig Dis 15:923-35, Oct 70
Effects of potassium intoxication on porcine electrocardiograms. Coulter DB, et al. Am J Vet Res 31:2001-11, Nov 70
Dihydrostreptomycin: tissue residues and certain physicopharmacologic properties in swine. Mercer HD, et al. Am J Vet Res 31:1589-93, Sep 70
Percutaneous hepatic biopsy technique for miniature swine. Simmons F. Am J Vet Res 32:491-3, Mar 71
Halothane anesthesia in miniature swine. Sawyer DC, et al. Anesth Analg (Cleve) 49:616-9, Jul-Aug 70
Comparison of two plating media for detection of Salmonella from swine tissues. Harrington R Jr, et al. Appl Microbiol 20:851, Nov 70
Purification and properties of carbonic anhydrase B from porcine erythrocytes. Ashworth RB, et al. Arch Biochem Biophys 142:122-31, Jan 71
The domestic pig: a model for experimental atherosclerosis. Ratcliffe HL, et al. Atherosclerosis 13:133-6, Jan-Feb 71
Preparation of the porcine liver for allotransplantation. Halliday P, et al. Aust NZ J Surg 40:374-80, May 71
Economics of pig production in Australia. Hardaker JB, et al. Aust Vet J 47:203-9, May 71
The reproductive efficiency of pigs in Australia with particular reference to litter size. Penny RH, et al. Aust Vet J 47:194-202, May 71
Enzymatic adaptations in newborn pig liver. Swiatek KR, et al. Biochim Biophys Acta 222:145-54, 27 Oct 70
Catheterization of the urinary bladder in young female animals. Moore ES, et al. Biol Neonate 16:256-9, 1970
Blood urea measurement as a technique for assessing protein quality. Eggum BO. Br J Nutr 24:983-8, Dec 70
Pig liver perfusion and other methods of temporary liver support. Winch J. Br Med J 1:216-7, 23 Jan 71
The relationship of arterial blood pH and pCO2 to the viability of the newborn piglet. Randall GC. Can J Comp Med 35:141-6, Apr 71
Serum biochemical and hematological parameters of Sinclair(S-1) miniature sows during gestation and lactation. Tumbleson ME, et al. Can J Comp Med 34:312-9, Oct 70
Further observations on the teratogenic effect of methallibure in swine. Akpokodje JU, et al. Can Vet J 12:125-8, Jun 71
Radioimmunoassay determination of LH concentration in the serum of female pigs. Rayford PL, et al. Endocrinology 88:707-13, Mar 71
Structure of pig skin dermatan sulfate. 1. Distribution of D-glucuronic acid residues. Fransson LA, et al. Eur J Biochem 18:422-30, 1 Feb 71
Porcine luteinizing hormone and its subunits. Isolation and characterization. Hennen G, et al. Eur J Biochem 18:376-83, 1 Feb 71
Structure of pig skin dermatan sulfate. 2. Demonstration of sulfated iduronic acid residues. Malmström A, et al. Eur J Biochem 18:431-5, 1 Feb 71
Age changes in the weight of the thyroid glands of swine from birth to eight years. Haensly WE, et al. Exp Gerontol 5:203-11, Sep 70
The chemical nature of the pig blood-group substances dissolved in the serum. Thiele OW, et al. Experientia 27:447-8, 15 Apr 71
Chromosome complement of the European wild pig (Sus scrofa L.). Zivković S, et al. Experientia 27:224-6, 15 Feb 71
Serum growth hormone levels in swine. Siers DG, et al. Growth 34:419-30, Dec 70
Porcine small bowel allotransplantation. Keaveny TV, et al. Ir J Med Sci 3:483-7, Oct 70
Clinical experience with formalin-preserved stented porcine heterograft heart valves. Merin G, et al. Isr J Med Sci 7:298-302, Feb 71
An evaluation of a fluorescent antibody technique for the detection of Salmonellae in animal by-products, feeds, and tissues. Harrington R Jr, et al. J Am Vet Med Assoc 157:1898-900, 1 Dec 70
Pregnancy diagnosis in swine utilizing the vaginal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

biopsy technique. Mather EC, et al.
J Am Vet Med Assoc 157:1522-7, 1 Dec 70
Limited-fed diets equal in total protein and energy to full-fed diets for pigs in drylot and pasture. Baird DM, et al. J Anim Sci 33:390-3, Aug 71
Monte Carlo studies of selection and inbreeding in swine. 3. Gene frequency. Bereskin B, et al.
J Anim Sci 31:828-36, Nov 70
Intrapopulation versus reciprocal recurrent selection in swine. Biswas DK, et al. J Anim Sci 32:840-8, May 71
Maintenance of unilateral pregnancy in the pig with induced corpora lutea. Christenson RK, et al.
J Anim Sci 33:282-6, Feb 71
Animal waste handling and disposal in confinement production of swine. Conrad JH, et al.
J Anim Sci 32:811-5, Apr 71
Effect of coconut meal on Coturnix quail and of coconut meal and coconut oil on performance, carcass measurements and fat composition in swine. Creswell DC, et al. J Anim Sci 33:370-5, Aug 71
Genetic analysis of a swine control population. II. Estimates of population parameters. Edwards RL, et al. J Anim Sci 32:185-90, Feb 71
Genetic analysis of a swine control population. I. Population stability. Edwards RL, et al.
J Anim Sci 32:179-84, Feb 71
Effect of vitamin E and selenium on tissue composition of young pigs. Ewan RC. J Anim Sci 32:883-7, May 71
Thermoregulatory responses to cold environment by neonatal wild and domestic piglets. Foley CW, et al.
J Anim Sci 32:926-9, May 71
Sulfur amino acid requirement of the lactating sow. Ganguli MC, et al. J Anim Sci 33:394-400, Aug 71
Testosterone levels of boars at various ages. Gray RC, et al. J Anim Sci 33:124-6, Jul 71
Sulfur amino acid requirement of the pregnant gilt. Holden PJ, et al. J Anim Sci 32:900-4, May 71
Transferrin and pre-albumin polymorphisms in swine selected for backfat thickness. Kraeling RR, et al.
J Anim Sci 32:174-8, Feb 71
Effectiveness of reciprocal selection for performance of crosses between Montana no. 1 and Yorkshire swine. I. Preweaning traits. Krehbiel EV, et al.
J Anim Sci 32:191-210, Feb 71
Effectiveness of reciprocal selection for performance of crosses between Montana no. 1 and Yorkshire swine. II. Postweaning traits. Krehbiel EV, et al.
J Anim Sci 32:211-24, Feb 71
Rearing neonatal piglets of low birth weight with an automatic feeding device. Lecce JG.
J Anim Sci 33:47-51, Jul 71
Effect of fasting and refeeding on some chemical properties of porcine muscle. Lee YB, et al.
J Anim Sci 32:457-62, Mar 71
Biological variation in body composition. Lohman TG.
J Anim Sci 32:647-53, Apr 71
Nutrient digestibility and nitrogen metabolism studies at different stages of growth with fat and lean type swine fed two levels of protein. McConnell JC, et al.
J Anim Sci 32:654-7, Apr 71
Effect of protein levels and opaque-2 cornon sow milk composition. Mahan DC, et al.
J Anim Sci 32:482-6, Mar 71
Effect of diethylstilbestrol implantation on testicular development in the boar. Palmer WM, et al.
J Anim Sci 32:525-30, Mar 71
Plasma carbohydrate levels in the neonatal pig. Pettigrew JE Jr, et al. J Anim Sci 32:895-9, May 71
Response of plasma Ca to thyroidectomy and calcitonin in growing pigs. Pond WG, et al.
J Anim Sci 32:888-90, May 71
Effects of dietary protein and iron on reproduction and iron-related blood constituents in swine. Sprulli DG, et al. J Anim Sci 33:376-84, Aug 71
Effects of benzimidazoles as inhibitors of the metabolism of washed porcine spermatozoa. Witters WL, et al. J Anim Sci 32:287-91, Feb 71
Purebred versus crossbred performance as a basis of selection in swine. Wong WC, et al.
J Anim Sci 32:605-10, Apr 71
Orange G dye binding for determination of protein of sow's milk. Colenbrander VF, et al.
J Dairy Sci 54:531-3, Apr 71
Toxicologic effect of two crotoxyphos formulations on pigs. Palmer JS, et al. J Econ Entomol 64:684-5, Jun 71
Peptostreptococcus elsdenii from the caecum of pigs. Giesecke D, et al. J Gen Microbiol 64:123-6, Nov 70
Receptor activity for porcine enteroviruses in pig tissues. Derbyshire JB, et al.
J Med Microbiol 2:489-93, 4 Nov 69
Nitrogen and amino acids in the feces of young pigs receiving a protein-free diet and diets containing graded levels of soybean oil meal or casein. Carlson KH, et al. J Nutr 100:1353-61, Nov 70
Development of human and pig ascaris in the pig and rabbit. Galvin TJ. J Parasitol 54:1085-91, Dec 68
Recent progress in the deep-freeze preservation of boar semen. Wilmut I, et al.
J Reprod Fertil 25:301-2, May 71
Gastric ulceration complicating experimental liver transplantation in the pig. Dent DM, et al.
J Surg Res 11:289-96, Jun 71
Techniques for general anesthesia in miniature pigs. Piermattei DL, et al. J Surg Res 10:587-92, Dec 70
Technical aspects of cardiac transplantation in the pig. Swan H, et al.
J Thorac Cardiovasc Surg 61:710-23, May 71
Succinylcholine chloride dosage in miniature swine for the purpose of endotracheal intubation. DeYoung DW, et al. Lab Anim Care 20:998-1001, Oct 70
Ventriculocordectomy technic for use on research swine. Mackey WJ, et al.
Lab Anim Care 20:992-4, Oct 70
Extracorporeal pig-liver perfusoon in treatment of hepatic coma due to fulminant hepatitis. Parbhoo SP, et al. Lancet 1:659-65, 3 Apr 71
Feed effeciancy in swine following paternal x-irradiation. Mullaney PD, et al.
Mutat Res 11:350-2, Mar 71
Differences in the delay phenomenon in the rabbit, rat, and pig. Myers MB, et al.
Plast Reconstr Surg 47:73-8, Jan 71
Plasma amino acid patterns of growing pigs given barley diets supplemented with fish meal. Andah DO, et al. Proc Nutr Soc 30:11A, May 71
The future of animals as sources of human food. Pigs--whither? Braude R.
Proc Nutr Soc 29:262-70, Dec 70
A reovirus isolated from a pig. McFerran JB, et al.
Res Vet Sci 11:388-90, Jul 70
A pig herd established by hysterectomy. I. The techniques for rearing hysterectomy-derived piglets to 5 weeks of age. Robertson VA, et al.
Res Vet Sci 12:59-64, Jan 71
A pig herd established by hysterectomy. II. Health and performance. Sharman GA, et al.
Res Vet Sci 12:65-73, Jan 71
Perfusion of the isolated pig liver. I. Mechanical characteristics of the circuit. Hickman R, et al.
S Afr Med J 44:868-72, 1 Aug 70
Baboon into pig liver and kidney xenotransplantation. Terblanche J, et al. S Afr Med J 44:919-23, 15 Aug 70
Productivity in sows (limiting factors). Dunne HW.
Vet Med Small Anim Clin 66:112-3 passim, Feb 71
Biotin in swine rations. Herrick JB.
Vet Med Small Anim Clin 66:292, Apr 71
Changes in pig production in Britain and their effect on the veterinary profession. Alexander TJ.
Vet Rec 88:138-41, 6 Feb 71
The role of the practising veterinary surgeon in modern pig husbandry. Brook AB. Vet Rec 87:310-2, 12 Sep 70
Boar semen sampling by electro-ejaculation. Fraser AF. Vet Rec 88:208-9, 20 Feb 71
The use of Immobilon in pigs. Gardner PL.
Vet Rec 89:148, 31 Jul 71
Hybridisation in pigs. Hill WG.
Vet Rec 89:86-90, 17 Jul 71
Fertilizing capacity of frozen boar semen following surgical insemination. Polge C, et al.
Vet Rec 87:424-9, 10 Oct 70
Recent trends in pig housing. Sainsbury DW.
Vet Rec 87:714-9, 5 Dec 70
The reproductive behaviour of pigs in relation to fertility. Signoret JP. Vet Rec 88:34-8, 9 Jan 71
The production of gnotobiotic piglets and calves by hysterotomy under general anaesthesia. Tavernor WD, et al. Vet Rec 88:10-4, 2 Jan 71
Recording in commercial pig units. Weaver RO.
Vet Rec 89:91-3, 17 Jul 71
Successful intercontinental pig conceptus transfer. Wrathall AE, et al. Vet Rec 87:226-8, 22 Aug 70
6-phosphogluconic dehydrogenase polymorphism in the pig. Saison R, et al. Vox Sang 16:514-6, Jun 69
A study of staphylococci isolated from upper respiratory tract of different animal species. 3. Physiological properties of Staphylococcus aureus strains of porcine origin. Hájek V, et al.
Zentralbl Bakteriol [Orig] 214:68-74, 1970
Incidence of the food poisoning clostridia in meat animals. Narayan KG.
Zentralbl Bakteriol [Orig] 204:265-73, 1967
Comparative study of two different methods of isolating Mycoplasma hyorhinis. Estola T, et al.
Zentralbl Veterinaermed [B] 17:537-43, May 70
[Swine as experimental animals] Philip J.
Ugeskr Laeger 133:944, 14 May 71 (Dan)
[Tissue culture study of pigmentary epithelium of adult swine] François J, et al.
Bull Soc Belge Ophtalmol 156:656-65, 1970 (Fre)
[The warthog (Phacochoerus aethiopicus), host of Schistosoma sp] Gretillat S.
Bull Soc Pathol Exot 62:1090-5, Nov-Dec 69 (Fre)
[The system of SL-A histocompatibility of swine: study by the technic of mixed cultures of leukocytes] Vaiman M, et al.
C R Acad Sci [D] (Paris) 271:1724-7, 9 Nov 70 (Fre)
[General anesthesia in major hepatic surgery in piglets] Berard P, et al.
Lyon Med 225:521-6, 20 Mar 71 (Fre)
[Formazan formation in various areas of pig's retina] Weiss H, et al.
Albrecht von Graefes Arch Klin Ophthalmol 182:41-5, 1971 (Ger)
[Testing of the pathogenicity of Mycoplasma strains through serial passages in gnotobiotic piglets] Fritzsche K, et al.
Arch Exp Veterinaermed 24:73-93, 1970 (Ger)
[Effect of anabolic 19-nortestosteronephenylpropionate and 19-nortestosterone-decanoate on the fattening of swine] Kurzweg W, et al.
Arch Exp Veterinaermed 24:1131-6, 1970 (Ger)
[Studies on pigs. XXX. Relationships between the concentrations of 11-hydroxycorticosteroid and glucose in the plasma and the number of eosinophile leucocytes in the blood] Müller I, et al.
Arch Exp Veterinaermed 23:847-51, 1969 (Ger)
[Pathomorphology of whole-body irradiated Vietnamese slack-bellied swine] Schäffer R, et al.
Arch Exp Veterinaermed 24:1301-23, 1970 (Ger)
[Phenotype and gene frequencies of polymorphic serum proteins in the pig] Willer S, et al.
Arch Exp Veterinaermed 24:1071-6, 1970 (Ger)
[Weight of the heart-a highly hereditary trait in swine] Wegner W.
Arch Kreislaufforsch 64:1-22, Jan-Feb 71 (Ger)
[Methods for removal of muscle samples from the living pig] Bickhardt K, et al.
Berl Munch Tieraerztl Wochenschr 83:121-3, 1 Apr 70 (Ger)
[The pregnosticon-pianotest--a quick method for the determination of pregnancy in the pig] Schilling E, et al.
Berl Munch Tieraerztl Wochenschr 83:46-7, 1 Feb 70 (Ger)
[Morphology and clinical importance of the lacrimal duct in pigs] Wissdorf H, et al.
Berl Munch Tieraerztl Wochenschr 84:125-8, 1 Apr 71 (Ger)
[Blood collection from the orbital veins in swine] Berl Munch Tieraerztl Wochenschr 84:336-7, 1 Sep 71 (Ger)
[Taming methods used on swine] Buschmann G.
Dtsch Tieraerztl Wochenschr 78:477-80, 1 Sep 71 (60 ref.) (Ger)
[Castration of boars with wound suture under practical conditions] Buss G, et al.
Dtsch Tieraerztl Wochenschr 76:182-3, 1 Apr 69 (Ger)
[Studies on collection and deep-freeze preservation of semen from the epididymis of boars] Grove D, et al.
Dtsch Tieraerztl Wochenschr 75:35-8, 15 Jan 68 (Ger)
[A two-phase diluter in the practice of artificial insemination in swine] Haeger O, et al.
Dtsch Tieraerztl Wochenschr 78:395-7, 15 Jul 71 (Ger)
[Current posibilities for the removal of liquid manure from large scale pig farms] Scherb K, et al.
Dtsch Tieraerztl Wochenschr 78:201-4, 1 Apr 71 (Ger)
[Results of alpha-tocopherol determination in pigs] Dannenberg HD, et al.
Monatsh Vet Med 24:337-40, 1 May 69 (Ger)
[Causes of toxic effects of swine serum samples on tissue cultures] Kretzschmar C.
Monatsh Vet Med 25:640-3, 15 Aug 70 (Ger)
[Influence of the time of day on the duration of brevinarcon anesthesia in the pig] Nicheimann M, et al. Monatsh Vet Med 26:100-3, 1 Feb 71 (Ger)
[Effect of low temperature and long storage period on the proteins in the blood serum of swine] Šijački N, et al. Monatsh Vet Med 25:734-7, 1 Oct 70 (Ger)
[Preferred drinking water temperature of pigs] Steinhardt M, et al.
Monatsh Vet Med 26:144-7, 15 Feb 71 (Ger)
[Occurrence of cannibalism in swine herds] Uecker E, et al. Monatsh Vet Med 25:133-5, 15 Feb 70 (Ger)
[Influence of cycle blockaders on various hematological values in cattle and swine] Verter W, et al. Monatsh Vet Med 26:123-7, 15 Feb 71 (Ger)
[Problems of eugenic testing of cattle and swine. 1. Testing of father animals for undesirable recessive alleles with complete penetrability] Willer S, et al.
Monatsh Vet Med 26:221-5, 15 Mar 71 (Ger)
[Instrumentarium for endotracheal intubation and technic of intratracheal anesthesia in the pig] Hartmann H, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:96-101, 1971 (Ger)
[A hoof correction stand for pigs] Arnbjerg J.
Wien Tieraerztl Monatsschr 58:176-9, 1971 (Ger)
[Problems of modern swine husbandry] Glawischnig E.
Wien Tieraerztl Monatsschr 57:391-6, 1970 (Ger)
[Artificial insemination of the pig] Knaus E, et al.
Wien Tieraerztl Monatsschr 57:420-2, 1970 (Ger)
[Safe intravenous administration of drugs to pigs by use of a double-orifice injection cannula and its application] Lenz W.
Wien Tieraerztl Monatsschr 58:80-1, 1971 (Ger)
[Chromosomes of the pig] Rittmannsperger C.
Wien Tieraerztl Monatsschr 57:72-4, Feb 70 (Ger)
[On veterinary activity in swine veterinary practice] Werner-Tutschku V.
Wien Tieraerztl Monatsschr 57:189-96, May 70 (Ger)
[On the treatment of uterine prolapse in the pig and castration in the boar] Werner-Tutschku V.
Wien Tieraerztl Monatsschr 57:249-53, Jun-Jul 70 (Ger)
[Disinfection in swine husbandry] Willinger H, et al.
Wien Tieraerztl Monatsschr 57:396-403, 1970 (Ger)
[Absolute and relative distribution of ether soluble lipids in newborn piglets] Mohme H, et al.
Z Tierphysiol 26:105-11, Mar 70 (Ger)
[Long-term studies on the retention of injected

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

radioactive calcium in pigs] Vemmer H, et al. Z Tierphysiol 21:247-53, Jul 66 (Ger)
[Preparation of swine antilymphocyte serum and its effect on the peripheral blood picture in swine] Thein P, et al. Zentralbl Veterinaermed [B] 17:637-48, Jun 70 (Ger)
[The dwarf pig, a new means of pharmacologic research. I. Its use in the study of a drug with beta adrenergic blocking action (INPEA)] Murmann W, et al. Boll Chim Farm 108:108-18, Feb 69 (Ita)
[Attenuated acriflavin-fast Erysipelothrix insidiosa. Relationship between its capability to cause arthritis in mice and immunogenicity in swine] Seto K, et al. Jap J Vet Sci 33:161-71, Aug 71 (Jap)
[Separation and characteristics of substrate specificity of N-acetyl-beta-D-glucosaminidase from pig epididymis] Vikha GV, et al. Biokhimiia 36:33-42, Jan-Feb 71 (Rus)
[Morphogenesis and characteristics of the placenta of the domestic pig Sus scrofa domestica] Padaiga A, et al. Dokl Akad Nauk SSSR 197:1229-32, 1971 (Rus)
[Catheterization of the pig portal and hepatic veins] Aliev AA. Fiziol Zh SSSR 57:137-40, Jan 71 (Rus)
[Damage to a corpse by swine] Cherkavskii NB, et al. Sud Med Ekspert 13:52-4, Apr-Jun 70 (Rus)
[Effect of vitamin-mineral feed additives on sexual function of sows] Karev VP. Veterinariia 9:102-3, Sep 70 (Rus)
[Anesthesia in castration of large boars] Mastyko GS, et al. Veterinariia 10:94-5, Oct 70 (Rus)
[The economic effectiveness of measures against dyspepsia in calves and piglets] Nikitishin PK. Veterinariia 1:73-4, Jan 71 (Rus)
[Significance of testicular remnants in pigs castrated by different methods] Petrosian SL. Veterinariia 6:80-2, Jun 70 (Rus)
[Medium for dilution and storage of boar sperm (results of industrial trials)] Silaeva MV. Veterinariia 12:81-3, Dec 70 (Rus)
[Factors intensifying the autolysis of pork and improving the quality of ham] Rudakov GF, et al. Vopr Pitan 29:84-6, Nov-Dec 70 (Rus)
[Enrichment of corn cobs with micromycetes] Bakaĭ SM, et al. Mikrobiol Zh 31:541-3, Sep-Oct 69 (Ukr)

ANATOMY & HISTOLOGY

Developmental abnormalities of female sexual organs in swine. A post-mortem examination of the genital tract in 1,000 gilts. Einarsson S, et al. Acta Vet Scand 11:427-42, 1970
Atrioventricular and semilunar valve innervation in sheep, pigs, and cattle. Smith RB. Cardiovasc Res 5:113-7, Jan 71
Histomorphological studies of the porcine parotid gland as related to age: birth to early adulthood. Koppang HS, et al. Growth 34:321-40, Sep 70
The development of the embryonic membranes in the pig: observations on the afterbirths. Ashdown RR, et al. Res Vet Sci 11:227-31, May 70
Ultrastructural studies of the normal pulmonary tissue of the pig. Baskerville A. Res Vet Sci 11:150-5, Mar 70
Intrapulmonary lymphoid tissue of healthy pigs. Jericho KW. Res Vet Sci 11:548-52, Nov 70
Ultrastructure of the bronchial epithelium of the pig. Baskerville A. Zentralbl Veterinaermed [A] 17:796-802, Nov 70
Morphological studies of the pelvic plexus of the pig. Tsaknakis A. Zentralbl Veterinaermed [A] 18:310-24, Jun 71
[Electron microscope findings in the skeletal muscle of porkers] Bergmann V, et al. Arch Exp Veterinaermed 24:1241-55, 1970 (Ger)
[Study on the branching of bronchi in pigs] Neurand K, et al. Beri Munch Tieraerztl Wochenschr 83:467-70, 1 Dec 70 (Ger)
[Anatomical basis for injection into the hip joint (Articulatio coxae) of the pig (Sus scrofa f. domestica L. 1758)] Wissdorf H, et al. Dtsch Tieraerztl Wochenschr 77:107-9, 1 Mar 70 (Ger)
[Comparison of space behaviour of dental enamel and dentin crown relief in porcine dentition] Landolt W. Gegenbaurs Morphol Jahrb 112:304-68, 1968 (Ger)
[Linear nuclei in the myocardium of swine] Kronberger H, et al. Monatsh Vet Med 25:908-12, 1 Dec 70 (Ger)
[Practical experience in the removal of blood from the external jugular vein of swine] Trommer F. Monatsh Vet Med 26:261-3, 1 Apr 71 (Ger)
[Comparative cytoarchitectonic investigations in brains of wild and domestic pigs] Kruska D. Z Anat Entwicklungsgesch 131:291-324, 1970 (Ger)
[Fine structure of interstitial hilus cells in the ovary of swine (Sus crofa L.) with comments on the problem of their innervation] Unsicker K. Z Zellforsch Mikrosk Anat 109:495-516, 1970 (Ger)
[The ethmoid labyrinth of the domestic pig (Sus scrofa forma domestica)] Červený C. Zentralbl Veterinaermed [A] 17:68-84, Jan 70 (Ger)
[The colonic double spiral in the pig] Preuss F, et al. Zentralbl Veterinaermed [A] 17:803-17, Nov 70 (Ger)
[Double-spiral colon of the pig] Preuss F, et al. Zentralbl Veterinaermed [A] 17:803-17, Nov 70 (Ger)
[Weight, fibre thickness and number of nuclei in the heart muscle and their relation to body weight and skeletal muscle weight in 205-day-old pigs of five breeds] Rühl B. Zentralbl Veterinaermed [A] 18:151-73, Mar 71 (Ger)

DRUG EFFECTS

[Effect of ovarian steroid hormones on the metabolism of proteins in the sow] Rombauts P, et al. Z Tierphysiol 21:97-102, Apr 66 (Fre)
[Use of azaperone on the pig] Lang E. Beri Munch Tieraerztl Wochenschr 83:141-3, 15 Apr 70 (Ger)
[The effect of clopenthixol in swine] Tomicki Z, et al. Dtsch Tieraerztl Wochenschr 75:38-40, 15 Jan 68 (Ger)
[Effect of Myofer on amino acid metabolism of piglets] Stöcki W, et al. Wien Tieraerztl Monatsschr 57:18-20, Jan 70 (Ger)

EMBRYOLOGY

Nucleosphaeridies in early pig embryos. Norberg HS. Z Zellforsch Mikrosk Anat 110:61-71, 1970
[The effect of folcystein on the prevention of prenatal fetal death in swine (preliminary communication)] Otel V, et al. Zentralbl Veterinaermed [A] 18:289-92, Jun 71 (Ger)

ENZYMOLOGY

Glycolytic and gluconeogenic enzyme levels in pre- and postnatal pigs. Mersmann HJ. Am J Physiol 220:1297-302, May 71
Changes in lactate dehydrogenase isoenzymes of liver, heart and skeletal muscles of the pig. Hende C van den, et al. Zentralbl Veterinaermed [A] 17:6-12, Jan 70

GROWTH & DEVELOPMENT

Forms of ceruloplasmin in developing piglets. Milne DB, et al. Biochim Biophys Acta 212:43-9, 15 Jul 70
The value of hydrocarbon-grownyeast s a source of protein for growing pigs. Barber RS, et al. Br J Nutr 25:285-94, Mar 71
Arsanilic acid, sodium salicylate and bromide salts as potential growth stimulants for pigs receiving diets with and without copper sulphate. Barber RS, et al. Br J Nutr 25:381-9, May 71
Artificial rearing of pigs3. The effect of heat tratment on the nutritive value of spray-dried whole-milk powder for the baby pig. Braude R, et al. Br J Nutr 25:113-25, Jan 71
The effects of environmental temperature on the growth and metabolism of pis given different amountsof food. 1. Nitrogen metabolism, growth and body composition. Fuller MF, et al. Br J Nutr 25:259-72, Mar 71
Age changes in the weight of the hypophysis in swine. Das LN, et al. Exp Gerontol 6:63-73, 1 Feb 71
Connective tissue metabolism in swine. 1. Age related changes in levels of total and soluble hydroxyproline, elastin, hexosamine and non-collagen protein levels in the uterus and aorta during growth. Brown RG, et al. Growth 34:369-77, Dec 70
The effect of certain feed additives and supplements on growth patterns and haemoglobin concentration in young pigs. Gangwar PC, et al. Indian Vet J 47:1078-84, Dec 70
Health of the pig reared in confinement. Andersen JR. J Am Vet Med Assoc 157:1512-4, 1 Dec 70
Reevaluation of the insoleucine requirement of the growing pig--plasma free isoleucine as a response criterion. Bravo FO, et al. J Anim Sci 31:1137-41, Dec 70
Studies of high level copper supplementation to rations for growing swine. DeGoey LW, et al. J Anim Sci 33:53-7, Jul 71
Urea as a nitrogen source for pigs fed diets supplemented with lysine and methionine. Grimson RE, et al. J Anim Sci 33:58-63, Jul 71
Selenium supplementation of practical diets for growing-finishing swine. Groce AW, et al. J Anim Sci 32:905-11, May 71
Effects of housing system and duration on quantitative and qualitative carcass traits in swine. Jones DJ, et al. J Anim Sci 33:18-22, Jul 71
Opaque-2 and floury-2 corn studies with growing swine. Klein RG, et al. J Anim Sci 32:256-61, Feb 71
Soy flour as a protein source for early-weaned pigs. Lennon AM, et al. J Anim Sci 33:514-9, Aug 71
Influence of site of blood withdrawal and stage of fast on concentrations of plasma free amino acids in the growing pig. Nordstrom JW, et al. J Anim Sci 31:874-84, Nov 70
Lysine, methionine and tryptophan supplementation of a corn-meat and bone meal diet for growing swine. Stockland WL, et al. J Anim Sci 32:262-7, Feb 71
Meat and bone meals as sources of amino acids for growing swine: use of a reference diet to predict amino acid adequacy by plasma levels. Stockland WL, et al. J Anim Sci 31:1142-55, Dec 70
Influence of source and level of dietary protein on plasma free amino acid concentrations in growing swine. Windels HF, et al. J Anim Sci 32:268-76, Feb 71
The effect of the presence of a boar on the attainment of puberty in gilts. Brooks PH, et al. J Reprod Fertil 23:435-40, Dec 70
The quantitative effect of pelleting feed on the performance of piglets and fattening pigs. Vanschoubroek F, et al. Nutr Abstr Rev 41:1-9, Jan 71 (99 ref.)
The value of BP-protein concentrate for growing pigs. Barber RS, et al. Proc Nutr Soc 29:Suppl:9A-10A, May 70
Response to different levels of supplementation with copper sulphate of diets for growing pigs. Braude R, et al. Proc Nutr Soc 29:Suppl:10A, May 70
An apparent synergy between copper sulphate and Payzone in improving the performance of growing pigs. Mitchell KG, et al. Proc Nutr Soc 30:11A-12A, May 71
The subsequent effects of removing the large intestine from newborn pigs. Wilkinson AW, et al. Proc Nutr Soc 30:26A-27A, May 71
[Problems of copper feeding in growing swine] Meyer H. Dtsch Tieraerztl Wochenschr 78:277-80, 1 May 71 (49 ref.) (Ger)
[Comparison of the effect of aureomycin-containing, antibiotic-free and diatetically improved starter feed in 14-day-old specific pathogen-free piglets] Sickel E. Dtsch Tieraerztl Wochenschr 77:153-6, 1 Apr 70 (Ger)
[Experience obtained from construction and remodelling of a pig breeding facility] Nürnberg H. Monatsh Vet Med 26:453-7, 15 Jun 71 (Ger)
[The young animal and its environment] Fritzsche K. Wien Tieraerztl Monatsschr 58:245-53, Jun 71 (Ger)
[Veterinary advice for the wholesale swine business] Kosztolich O. Wien Tieraerztl Monatsschr 57:433-7, 1970 (Ger)
[On the proten requirements of swine] Leibetseder J. Wien Tieraerztl Monatsschr 57:409-12, 1970 (Ger)
[Current questions on the fattening of swine] Münchberg F. Wien Tieraerztl Monatsschr 57:403-6, 1970 (Ger)
[Feeding problems in the raising of swine] Onderscheka K. Wien Tieraerztl Monatsschr 57:406-9, 1970 (Ger)
[Digestibility of crude feed and nitrogen retention in Pietrain pigs during a fattening period. 1. Digestibility of crude feed dependet on growth] Farries E, et al. Z Tierphysiol 23:331-9, May 68 (Ger)
[Digestibility of crude feed and nitrogen retention in Pietrain pigs during a fattening period. 2. Nitrogen retention and nitrogen utilization dependent on growth] Farries F, et al. Z Tierphysiol 23:340-9, May 68 (Ger)
[Attempt at pig fattening using linear programmed all-concentrate feed in comparison with a DLG-standard all-concentrate feed] Fender M, et al. Z Tierphysiol 21:282-9, Sep 66 (Ger)
[Studies on skeletal development and mineralization in the first eight weeks of life in swine] Günther K, et al. Z Tierphysiol 22:298-313, Jun 67 (Ger)
[Studies on the comparative development and mineralization of individual skeletal parts of piglets dependent on calcium and phosphorus feed content] Günther K, et al. Z Tierphysiol 23:106-25, Nov 67 (Ger)
[Deposition capacity of the meat-type pig for mineral matter in the course of its growth. 2. Growth and development of individual skeletal parts] Günther K, et al. Z Tierphysiol 27:134-50, Mar 71 (Ger)
[The influence of the pig-run and soil on growth and on the hemoglobin content of the blood of infant pigs] Gütte JO, et al. Z Tierphysiol 22:160-73, Mar 67 (Ger)
[Studies on mineral excretion in mineral-free feeding in grown pigs] Molnár S, et al. Z Tierphysiol 22:313-20, Jun 67 (Ger)
[The effect of alpha-aminobutyric acid and Vigofac on nitrogen retention in young, growing pigs] Thorbek G, et al. Z Tierphysiol 23:152-9, Dec 67 (Ger)
[The influence of early feeding of iron on weight gain, on the consumption and utilization of mother's milk and supplemental feed in piglets in infancy] Vanschoubroek F, et al. Z Tierphysiol 22:133-40, Mar 67 (Ger)
[Observations 20 years after the entry of antibiotics into the nutrition of growing pigs] Vanschoubroek F, et al. Z Tierphysiol 26:303-16, Sep 70 (121 ref.) (Ger)
[Studies on the anabolic action of various antibiotics. 1. Experiments with growing stock swine] Weiss FK, et al. Z Tierphysiol 27:300-9, Jun 71 (Ger)

IMMUNOLOGY

Antibody against Hong Kong influenza viruses in pigs. Styk B, et al. Acta Virol (Praha) 15:211-9, May 71
Bactericidal activity of conventional and germfree pig serum against smooth and rough strains of Escherichia coli. Barta O, et al. Am J Vet Res 32:1077-82, Jul 71
The immunological properties of porcine parathyroid hormone. Woodhead JS, et al. J Endocrinol 49:79-85, Jan 71
A survey of antibodies to some respiratory viruses in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the sera of pigs. Harkness JW, et al.
Vet Rec 88:441-7, 24 Apr 71
[The heterogeneity of serum gamma globulin of the pig after infection with highly virulent hog-cholera virus] Matthaeus W, et al.
Zentralbl Veterinaermed [B] 17:677-85, Jun 70 (Ger)
[Serology of lymphocyte antigens in the pig] Schmid DO, et al.
Zentralbl Veterinaermed [B] 18:147-52, Mar 71 (Ger)

METABOLISM

Metabolism of 14C-histamine in domestic animals. 3. Horse and pig. Eliassen KA.
Acta Physiol Scand 81:300-6, Mar 71
Effect of cold shock on respiration and glycolysis in swine arterial tissue. Scott RF, et al.
Am J Physiol 219:1363-5, Nov 70
Artificial rearing of pigs. 2. The time course of milk protein digestion and proteolytic enzyme secretion in the 28-day-old pig. Braude R, et al.
Br J Nutr 24:827-42, Sep 70
The effects of environmental temperature on the growth and metabolism of pis given different amountsof food. 1. Nitrogen metabolism, growth and body composition. Fuller MF, et al.
Br J Nutr 25:259-72, Mar 71
The measurement of exchangeable potassium in living pigs and its relation to body composition. Fuller MF, et al. Br J Nutr 26:203-14, Sep 71
The influence of the amount and nature of dietary fat on milk fat composition in the sow. Witter RC, et al.
Br J Nutr 24:749-60, Sep 70
Fluid and electrolyte metabolism of neonatal pigs. I. Variation with age in blood and plasma composition. Pownall R. Br Vet J 126:465-9, Sep 70
The oral glucose tolerance test in the young pig. Reed JH, et al. Br Vet J 127:318-26, Jul 71
The glycopeptide pattern of the porcine (Sus domesticus) and rabbit (Oryctolagus caniculus domesticus) corneal stroma. Moczar E, et al.
Comp Biochem Physiol 36:547-57, 1 Oct 70
Serum concentrations of penicillin and dihydrostreptomycin after their parenteral administration in swine. Mercer HD, et al.
J Am Vet Med Assoc 159:61-5, 1 Jul 71
Effect of initial weight and days on feed on the accumulation of gossypol in pig livers. Albrecht JE, et al. J Anim Sci 32:96-9, Jan 71
Quantitative aspects of D- and L-tryptophan utilization by the young pig. Baker DH, et al.
J Anim Sci 33:42-6, Jul 71
Excretion of 14C in urine of the domestic sow after injection of radioactive estradiol-17 beta, esterone, corticosterone and cortisol. Brown BI, et al.
J Anim Sci 31:1186-90, Dec 70
Metabolites of prgesterone and estrogen in domestic sow urine. I. Effect of pregnancy. Edgerton LA, et al.
J Anim Sci 32:515-24, Mar 71
Metabolites of progesterone and estrogen in domestic sow urine. II. Changes pre- and postpartum and effect of feeding 6-methyl-17-acetoxy-progesterone. Edgerton LA, et al. J Anim Sci 32:930-5, May 71
Metabolites of progesterone and estrogen in domestic sow urine. 3. Effect of litter size. Edgerton LA, et al.
J Anim Sci 33:936-42, May 71
Normal values and physiological variations of plasma iron and total iron-binding capacity in pigs. Furugouri K. J Anim Sci 32:867-72, Apr 71
Manganese utilization and placental transfer in the gravid gilt. Gamble CT, et al. J Anim Sci 32:84-7, Jan 71
Effect of protein levels and opaque-2 corn on nitrogen metabolism in the sow and litter during the first and second lactation periods. Mahan DC, et al.
J Anim Sci 32:476-81, Mar 71
Effect of dietary unsaturated fatty acids and stage of lactation on milk composition and adipose tissue in swine. Miller GM, et al. J Anim Sci 32:79-83, Jan 71
Serum metabolites of pregnant and hysterectomized gilts fed two levels of energy. Ruiz ME, et al.
J Anim Sci 32:1153-9, Jun 71
Influence of site of sampling and stage of fast on concentrations of all free amino acids in the plasma and liver in the young pig. Stockland WL, et al.
J Anim Sci 32:1143-52, Jun 71
Effect of cooked soybeans on performance, fatty acid composition and pork carcass characteristics. Wahlstrom RC, et al. J Anim Sci 32:891-4, May 71
The relation between body size and maximum and minimum metabolic rates in the new-born pig. Mount LE, et al. J Physiol (Lond) 207:417-27, Apr 70
Urinary excretion of colostral trypsin inhibitor in neonatal pigs. Baintner K Jr.
Life Sci [II] 9:847-9, 8 Aug 70
Energy retention in the pig at several environmental temperatures and levels of feeding. Close WH, et al.
Proc Nutr Soc 30:33A-34A, May 71
[Vitamin A requirements of swine. 2. Vitamin A content of the liver in stillborn and suckling piglets] Dannenberg HD.
Arch Exp Veterinaermed 24:309-24, 1970 (Ger)
[Vitamin A requirements of swine. 4. The vitamin A content of the liver of slaughtered swine and its relation to fattening] Dannenberg HD.
Arch Exp Veterinaermed 24:439-49, 1970 (Ger)
[Vitamin A requirements of swine. 3. Vitamin A content of the liver in different groups of piglets and its relationship to hemoglobin levels] Dannenberg HD. Arch Exp Veterinaermed 24:425-38, 1970 (Ger)
[Studies on vitamin A supply in swine. 1. Importance of vitamin A supply and herd status in swine husbandry. The vitamin A content in porcine colostrum and milk] Dannenberg HD.
Arch Exp Veterinaermed 23:1063-78, Nov 69 (Ger)
[Studies on swine. XXXI. Changes in serum magnesium levels after administration of ACTH and various adrenal cortex hormones] Schulze F, et al.
Arch Exp Veterinaermed 24:893-902, 1970 (Ger)
[Changes in blood glucose levels in domestic swine produced by physical exercise at various environmental temperatures] Steinhardt M, et al.
Arch Exp Veterinaermed 24:913-25, 1970 (Ger)
[Metabolism of lactic acid in pigs] Muylle E, et al.
Dtsch Tieraerztl Wochenschr 75:29-35, 15 Jan 68 (Ger)
[Amylase system as well as erythrocyte iron content and their relation to the meat color score of the pig] Wegner W, et al.
Dtsch Tieraerztl Wochenschr 77:59-60, 1 Feb 70 (Ger)
[Zinc metabolism in the pig. 1. Introduction and methods] Kment A, et al.
Wien Tieraerztl Monatsschr 57:337-40, Oct 70 (Ger)
[Zinc metabolism in the pig. 2. Balance studies and compartment analyses] Leibetseder J, et al.
Wien Tieraerztl Monatsschr 58:49-53, 1971 (Ger)
[Influence of sex and age on the concentration of free amino acids in pig blood] Weiser M, et al.
Wien Tieraerztl Monatsschr 57:61-5, Feb 70 (Ger)
[Comparative studies on nutrient digestibility and nitrogen retention in domestic swine, wild swine anf F1-hybrids] Farries E, et al.
Z Tierphysiol 23:263-6, Apr 68 (Ger)
[Effect of the ingestion of colostrum on the decrease of the hemoglobin content of blood in infant piglets during the first days of life] Gütte JO, et al.
Z Tierphysiol 23:88-91, Nov 67 (Ger)
[Studies on calcium, sodium and potassium content in the bodies of full-grown pigs] Heifferich B, et al.
Z Tierphysiol 21:263-70, Sep 66 (Ger)
[Free amino acids, arginase and urease activity in the secretion of the cardiac valve area and in homogenates of the gastric mucosa of the pig] Höller H. Z Tierphysiol 26:253-8, Aug 70 (Ger)
[14C elimination after oral administration of 1-14C-acetate in the piglet in the neonatal period] Mohme H, et al. Z Tierphysiol 26:138-46, Apr 70 (Ger)
[The course of the specific radioactive calcium activity in feces and urine with calcium-free feeding based on studies in adult swine] Molnár S, et al.
Z Tierphysiol 22:290-7, Jun 67 (Ger)
[Nitrogen, fat and energy forming in growing fattened pigs] Oslage HJ, et al.
Z Tierphysiol 21:50-65, Feb 66 (Ger)
[Differences in the specific activity of calcium in various body parts of pigs a long time after injection of radioactive calcium] Vemmer H, et al.
Z Tierphysiol 21:233-47, Jul 66 (Ger)
[Vitamin E additions to fattened pigs] Wöhlbier W, et al. Z Tierphysiol 21:270-3, Sep 66 (Ger)

PHYSIOLOGY

Differences in renal clearances measured in Danish pigs. Gyrd-Hansen N. Acta Vet Scand 11:443-51, 1970
Diurnal variatin in concentrations of hydrocortisone in plasma of swine. Whipp SC, et al.
Am J Vet Res 31:2105-7, Nov 70
The calcification pattern of deciduous teeth in miniature swine. McKean CF, et al.
Arch Oral Biol 16:639-48, Jun 71
Hematological values of the normal weanling piglet. Osborne JC, et al. Cornell Vet 61:13-23, Jan 71
Effects of energy intake and dichlorvos during gestation on reproductive performance of gilts and some chemical characteristics of the offspring. Anderson RH, et al. J Anim Sci 31:907-16, Nov 70
Serum free amino acids in piglets during the early postnatal period. Bengtsson SG.
J Anim Sci 32:879-82, May 71
Response of 170-day-old prepuberal Poland China Yorkshire and crossbred gilts to unilateral ovariectomy. Dailey RA, et al.
J Anim Sci 31:937-9, Nov 70
Effect of dietary protein level on composition changes in sow colostrum and milk. Elliott RF, et al.
J Anim Sci 32:1128-37, Jun 71
Self-selection of feeds and water by swine during pregnancy and lactation. Friend DW.
J Anim Sci 32:658-66, Apr 71
Effect of fat source on pancreatic lipase activity and specificity and performance of baby pigs. Frobish LT, et al. J Anim Sci 33:385-9, Aug 71
Effect of lactation feeding level of the sow on performance and subsequent reproduction. Hitchcock JP, et al. J Anim Sci 33:30-4, Jul 71
Effect of protein levels and opaque-2 corn on sow and litter performance during the first and second lactation periods. Mahan DC, et al.
J Anim Sci 32:470-5, Mar 71
Milk production in lactating sows and time lengths used in evaluating milk production estimates. Mahan DC, et al. J Anim Sci 33:35-7, Jul 71
Marking boar spermatozoa with fluorochromes for evaluating spermatozoan transport within gilts. Mellish KS, et al. J Anim Sci 31:917-22, Nov 70
Influence of live weight, age and sex on circulating growth hormone levels in swine. Siers DG, et al.
J Anim Sci 32:1229-32, Jun 71
Relation of number of embryos in domestic sows to sex steroid hormone changes during the first 28 days of pregnancy. Tillson SA, et al.
J Anim Sci 31:1178-85, Dec 70
Effect of environmental temperature on physiological characteristics of pigs with fast and slow glycolyzing muscle. Topel DG, et al. J Anim Sci 32:1103-6, Jun 71
Influence of time of fast on concentrations of free amino acids in plasma and total amino acids in liver protein of young swine. Typpo JT, et al.
J Anim Sci 31:885-93, Nov 70
Brain temperature and cutaneous blood flow in the anesthetized pig. Ingram DL, et al.
J Appl Physiol 29:698-704, Nov 70
A very early pregnancy test for mammals: its application to the cow, ewe and sow. Robertson HA, et al. J Endocrinol 49:407-19, Mar 71
The secretory and vascular response to nervous and hormonal stimulation in the pancreas of the pig. Hickson JC. J Physiol (Lond) 206:299-322, Feb 70
The secretion of pancreatic juice in response to stimulation of the vagus nerves in the pig. Hickson JC.
J Physiol (Lond) 206:275-97, Feb 70
The influence of deep body temperatures and skin temperatures on peripheral blood flow in the pig. Ingram DL, et al. J Physiol (Lond) 215:693-707, Jul 71
The second Hammond Memorial Lecture. The role of reproductive research in animal production. Rowson LE. J Reprod Fertil 26:113-26, Jul 71
The effect of ligating the pancreatic duct on digestion in the pig. Anderson DM, et al.
Proc Nutr Soc 30:34A-35A, May 71
Blood volume changes during pregnancy and lactation of sows. Anderson DM, et al.
Q J Exp Physiol 55:293-300, Oct 70
Renal excretion of acid and base in the pig. Scott D.
Q J Exp Physiol 56:169-77, Jul 71
Reproductive physiology and artificial insemination in pigs. Du Mesnil du Buisson F, et al.
Vet Rec 87:562-8, 7 Nov 70
[Postnatal development of the consensual vascular reaction in swine] Nicheimann M, et al.
Arch Exp Veterinaermed 24:997-1006, 1970 (Ger)
[On hemodynamics following local application of heat in swine] Nicheimann M.
Arch Exp Veterinaermed 24:391-9, 1970 (Ger)
[Paradoxical effect of cold and the consensual vascular reaction in swine] Nicheimann M.
Arch Exp Veterinaermed 24:401-5, 1970 (Ger)
[Relation between enzyme activities and metabolite contents in the blood before and following exertion and the water content of meat in pigs] Bickhardt K.
Dtsch Tieraerztl Wochenschr 77:535-8, 15 Oct 70 (Ger)
[Studies on the oestrus synchronization in applied pig-breeding] Feuerhake F.
Dtsch Tieraerztl Wochenschr 77:646-9, 15 Dec 70 (29 ref.) (Ger)
[Blood flow determinations in the long dorsal muscle (m. longissimus) of swine using Xenon-133] Giese W, et al.
Dtsch Tieraerztl Wochenschr 77:606-9, 1 Dec 70 (Ger)
[The hormonal pregnancy tests in pigs] Rothe K.
Dtsch Tieraerztl Wochenschr 78:101-3, 15 Feb 71 (Ger)
[Induction and synchronisation of estrus and ovulation in young sows and fertility after artificial insemination] Schilling E, et al.
Dtsch Tieraerztl Wochenschr 78:149-53, 1 Mar 71 (Ger)
[Significance of thermoregulatory blood vessel reactions in heat regulation in the pig] Nicheimann M, et al. Monatsh Vet Med 25:919-27, 1 Dec 70 (Ger)
[Circulatory regulation in the pig during extradural anesthesia under extreme temperature conditions] Nicheimann M, et al.
Monatsh Vet Med 25:504-9, 1 Jul 70 (Ger)
[Daily rhythm of the plasma corticosteroid concentration and reactivity of the central nervous system, anterior lobe of the pituitary gland and adrenal cortex in swine] Schilke E, et al.
Monatsh Vet Med 25:866-8, 1 Sep 70 (Ger)
[Excretion of Zimmermann's chromogens by swine, with special reference to 17-ketosteroids] Tegeler G, et al. Monatsh Vet Med 25:868-71, 1 Sep 70 (Ger)
[Estrus synchronization in the pig] Arbeiter K, et al.
Wien Tieraerztl Monatsschr 57:418-20, 1970 (Ger)
[Studies on the regulation of sexual function in sheep and swine] Haraszti J.
Wien Tieraerztl Monatsschr 57:196-200, May 70 (Ger)
[Iron requirements of piglets] Stöcki W.
Wien Tieraerztl Monatsschr 57:412-5, 1970 (Ger)
[The pig as experimental animal under thermal and pharmacological stress. Methodology of the experimental technic] Braun W, et al.
Z Gesamte Exp Med 154:60-9, 1971 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Electrophoretic studies on the colostrum and milk of the pig] Leskova R, et al.
Z Tierphysiol 23:257-62, Apr 68 (Ger)
[Studies on secretions and secretion production of the glandular region of the cardia in the porcine stomach. I. Secretion volumes and -rhythmics, properties of secretions] Höller H.
Zentralbl Veterinaermed [A] 17:685-711, Sep 70 (Ger)
[Hormonal stimulation of the porcine ovary at the time of sexual maturity] Schilling E, et al.
Zentralbl Veterinaermed [A] 18:277-88, Jun 71 (Ger)
[Effects of 2 gestogenic substances on the reproductive function and structure of the genital organs of young sows] Steinbach J, et al.
Zentralbl Veterinaermed [A] 17:42-61, Jan 70 (Ger)
[The heritability of the phagocytosis rate of swine blood] Buschmann H, et al.
Zentralbl Veterinaermed [B] 17:649-57, Jun 70 (Ger)

RADIATION EFFECTS

Clinical and gross pathological findings in swine relative to late effects of mixed gamma-neutron and X-irradiation. Brown DG, et al.
Radiat Res 44:498-511, Nov 70

SWINE DISEASES (C15)

Gastric torsion in swine. Cedervall A.
Acta Vet Scand 12:142-4, 1971
Experimentally induced athyreosis in swine: clinical signs, radiographic changes, and necropsy observations. Oliver JW, et al.
Am J Vet Res 32:905-11, Jun 71
Mycoplasma hyorhinis swine arthritis. I. Clinical and microbiologic features. Barden JA, et al.
Arthritis Rheum 14:193-201, Mar-Apr 71
Observations on experimental and field infections of pigs with Hyostrongylus rubidus. Baskerville A, et al.
Br Vet J 126:538-42, Oct 70
Effect of rye ergot on growth and N-retention in growing pigs. Friend DW, et al.
Can J Comp Med 34:198-202, Jul 70
Cardiac output in weanling piglets with bacterial endotoxin shock superimposed on surgical shock. Osborne JC, et al. Cornell Vet 61:470-6, Jul 71
Osteomyelitis and arthritis induced in swine by Lancefield's group A streptococci (streptococcus pyogenes). Wood RL, et al.
Cornell Vet 61:457-70, Jul 71
A case of diaphragmatic hernia in a sow. Nayar SR.
Indian Vet J 48:648-9, Jun 71
Diverticulosis and muscular hypertrophy of the small intestine of horses, pigs and sheep. Cordes DO, et al.
NZ Vet J 19:108-11, May 71
Hyostrongylus rubidus: the size and structure of worm populations in adult pigs. Connan RM.
Vet Rec 89:186-91, 14 Aug 71
A procedure for investigating the influence of disease status on productive efficiency in a pig herd. Goodwin RF. Vet Rec 88:387-92, 10 Apr 71
The economics of enzootic pneumonia. Goodwin RF.
Vet Rec 89:77-81, 17 Jul 71
Recent advances in our knowlege of iron deficiency anaemia in piglets. Hannan J.
Vet Rec 88:181-90, 13 Feb 71
Reflections on post-parturient diseases associated with lactational failure in sows. Jones JE.
Vet Rec 89:72-7, 17 Jul 71
Post-parturient disease in sows associated with Klebsiella infection. Lake SG, et al.
Vet Rec 87:484-5, 17 Oct 70
Observations on a haemorrhagic bowel syndrome involving pigs on three associated premises. O'Neill PA. Vet Rec 87:742-7, 12 Dec 70
Experimental neonatal diarrhoea associated with an enteropathogenic strain of Escherichia coli in piglets. Rutter JM, et al. Vet Rec 88:520-1, 15 May 71
Sudden death in a boar. Sanders KJ.
Vet Rec 87:669, 21 Nov 70
Iron deficiency anaemia and big liver disease in piglets. Shanks PL. Vet Rec 89:128-30, 24 Jul 71
Leg weakness in pigs. Vaughan LC.
Vet Rec 89:81-5, 17 Jul 71
Parasitic skin diseases of large animals. Wood JC.
Vet Rec 87:471-3, 17 Oct 70
An approach to breeding problems in the sow. Wrathall AE. Vet Rec 89:61-71, 17 Jul 71
[Haemophilus infection in pigs. 3. Serological studies on Haemophilus parahaemolyticus] Nicolet J.
Zentralbl Bakteriol [Orig] 216:487-95, 1971 (Fre)
[Some unusual properties of beta-hemolytic E. coli strains, isolated from pigs dying from coli enterotoxemia] Abadjieff W.
Arch Exp Veterinaermed 24:205-11, 1970 (Ger)
[Atrophic rhinits in swine] Geisel O, et al.
Berl Munch Tieraerztl Wochenschr 84:201-9, 1 Jun 71 (Ger)
[Prolapse of preputial mucosa in a boar] Bollwahn W.
Dtsch Tieraerztl Wochenschr 78:8, 1 Jan 71 (Ger)
[Cerebrospinal angiopathy associated with visual disorders in pigs] Köhler H, et al.
Dtsch Tieraerztl Wochenschr 78:1-5, 1 Jan 71 (Ger)
[Cerebrospinal angiopathy jointed with visual disorders in pigs] Köhler H, et al.
Dtsch Tieraerztl Wochenschr 78:39-42, 15 Jan 71 (Ger)
[Hematuria and hematospermia following a penis injury in a breeding boar] Mahler R, et al.
Dtsch Tieraerztl Wochenschr 77:610, 1 Dec 70 (Ger)
[Vomiting and distress in suckling pigs] Pionait H.
Dtsch Tieraerztl Wochenschr 76:697-8, 15 Dec 69 (16 ref.) (Ger)
[Cystic degeneration of the ovary in sows] Vandeplassche M, et al.
Dtsch Tieraerztl Wochenschr 78:91-3, 15 Feb 71 (Ger)
[Tendency towards cor pulmonare in pigs which died during transport] Wegner W, et al.
Dtsch Tieraerztl Wochenschr 77:637-40, 15 Dec 70 (Ger)
[Problems of modern swine husbandry] Glawischnig E.
Wien Tieraerztl Monatsschr 57:391-6, 1970 (Ger)
[Swine lymphomatosis in sardinia] Pasqualini C, et al.
Acta Med Vet (Napoli) 17:105-12, Jan-Apr 71 (Ita)
[Aujeszky's disease in swine in Moldavia] Belykh GV.
Veterinariia 10:62, Oct 70 (Rus)
[Evaluation of slaughter product quality with interstitial nephritis in swine] Kovaleva NP.
Veterinariia 1:98-9, Jan 71 (Rus)
[Mixed leptospirosis and paratyphoid fever infection in pigs] Paviov FN. Veterinariia 1:53-6, Jan 71 (Rus)
[Examination of swine carcasses and organs in the presence of a clay-yellow liver] Portalimov GT.
Veterinariia 1:99-101, Jan 71 (Rus)

BLOOD

Hematologic studies in pigs fed clay pigeon targets. Davis JW, et al.
J Am Vet Med Assoc 152:382-4, 15 Feb 68

CHEMICALLY INDUCED

Outbreak of swine malformations associated with the wild black cherry, Prunus serotina. Selby LA, et al.
Arch Environ Health 22:496-501, Apr 71
Aspergillus flavus contaminated sorghum grain as a possible cause of aflatoxicosis in pigs. Connole MD, et al. Aust Vet J 46:503-5, Oct 70
Embryonic deaths in gilts fed methallibure during gestation. Akpokodje JU, et al.
Can Vet J 12:121-4, Jun 71
Observations on the anti-gestation effect of Aimax (methallibure) in recently bred gilts. Akpokodje JU, et al. Can Vet J 12:110-4, May 71
Hyperestrogenism in female swine as the result of feeding mouldy corn. Bristol FM, et al.
Can Vet J 12:132-5, Jun 71
A tobacco related epidemic of congenital limb deformities in swine. Menges RW, et al.
Environ Res 3:285-302, Nov 70
Carrageenin-induced arthritis in the specific-pathogen-free pig. Uruchurtu Marroquin A, et al. J Comp Pathol 80:607-11, Oct 70
Calcium mobilisation and calciphylaxis in piglets induced by iron injections. Patterson DS, et al.
Vet Rec 86:791, 27 Jun 70
[Comments on the paper by F. Marschang: studies during a mass poisoning by rat poison in pigs] Rehm WF.
Dtsch Tieraerztl Wochenschr 77:567, 1 Nov 70 (Ger)
[Mass poisoning in swine after feeding with alfalfa meal contaminated with coumarin contining plants] Marschang F.
Monatsh Vet Med 24:340-4, 1 May 69 (Ger)

COMPLICATIONS

Status of the mastitis-metritis-agalactia syndrome of sows. Martin CE.
J Am Vet Med Assoc 157:1519-21, 1 Dec 70
Hepatosis dietetica and mulberry heart disease associated with selenium deficiency in Indiana swine. Van Vleet JF, et al.
J Am Vet Med Assoc 157:1208-19, 1 Nov 70
Influence of heat stress during early, mid and late pregnancy of gilts. Omtvedt IT, et al.
J Anim Sci 32:312-7, Feb 71
[Significance of chronic urinary tract diseases in the pathogenesis of puerperal diseases and mastitides of sows] Berner H.
Dtsch Tieraerztl Wochenschr 78:241-5, 15 Apr 71 (Ger)

CONGENITAL

Congenital myofibrillar hypoplasia of piglets: ultrastructure of affected fibres. Deutsch K, et al.
Res Vet Sci 12:176-7, Mar 71
[Clinical and pathologic-anatomical observations on weak and starving piglets with congenital heart anomalies] Christl H.
Berl Munch Tieraerztl Wochenschr 83:480-5, 15 Dec 70 (Ger)
[Congenital muscular hypoplasia in suckling pigs (splits position)] Mehlhorn I, et al.
Monatsh Vet Med 25:781-4, 15 Oct 70 (Ger)

DIAGNOSIS

Rapid diagnosis of Aujeszky's disease by the fluorescent antibody technique. Sabó A, et al.
Acta Virol (Praha) 14:475-84, Nov 70
Indirect immunofluorescence technique as compared with other methods for investigating the renal carrier state of leptospira in pigs. Sturdza N, et al.
Arch Roum Pathol Exp Microbiol 28:319-28, Jun-Sep 69
Swine abscesses caused by Lancefield's group E streptococci. IX. Comparison of the precipitin, hemagglutination and agglutination tests for their detection. Wessman GE, et al.
Cornell Vet 61:490-14, Jul 71
Fluorescent antibody technique in the study of three porcine viruses. Transmissible gastroenteritis virus, vomiting and wasting disease virus and the parvovirus 59E-63. Lucas MH, et al. J Comp Pathol 81:111-7, Jan 71
Studies on the etiology of infectious atrophic rhinitis of swine. 3. Field survey by agglutinatin test in rlation to incidence of B. bronchiseptica ad turbinate atrophy. Kang BK, et al. Jap J Vet Sci 33:17-23, Feb 71
Studies on the etiology of infectious atrophic rhinitis of swine. II. Agglutination test on Bordetella bronchiseptica infection. Kang BK, et al.
Jap J Vet Sci 32:295-306, Dec 70
Polyserositis in pigs caused by infection with Mycoplasma. Davenport PG, et al.
NZ Vet J 18:165-7, Aug 70
Evaluation of the trichinosis pilot project. Andrews JS, et al. Proc US Anim Health Assoc 73:332-53, 1969
Contribution to the diagnosis of infectious swine abortion. Kemenes F, et al.
Zentralbl Veterinaermed [B] 18:170-6, Mar 71
[Study of the efficiency of a quantitative coproscopic technic for the routine diagnosis and control of parasitic infestations of cattle, sheep, horses and swine] Raynaud JP.
Ann Parasitol Hum Comp 45:321-42, May-Jun 70 (Fre)
[On hemophilosis of the pig. IV. Complement deviation, a test for the detection of Haemophilus parahaemolyticus infections] Nicolet J, et al.
Schweiz Arch Tierheilkd 113:191-200, Apr 71 (Fre)
[Examination of blood and bones in pigs with atrophic rhinitis] Barnikol H, et al.
Dtsch Tieraerztl Wochenschr 78:398-402, 15 Jul 71 (Ger)
[Enzymatic method for the diagnosis of the muscle diseases in the living pig] Bickhardt K.
Dtsch Tieraerztl Wochenschr 76:601-4, 15 Nov 69 (Ger)
[An enzyme-method for detection of muscle lesions in the living pig] Bickhardt K.
Dtsch Tieraerztl Wochenschr 76:691-4, 15 Dec 69 (Ger)
[Development of Cowper's gland in pigs and their importance for the diagnosis of cryptorchism] Dimigen J, et al.
Dtsch Tieraerztl Wochenschr 77:529-32, 15 Oct 70 (Ger)
[Symptomatology and diagnosis of apophyseolysis in pigs] Sabec D.
Dtsch Tieraerztl Wochenschr 78:5-9, 1 Jan 71 (Ger)
[Hair test for the diagnosis of mineral deficiency] Anke M. Monatsh Vet Med 26:445-9, 15 Jun 71 (Ger)
[Results of alpha-tocopherol determination in pigs] Dannenberg HD, et al.
Monatsh Vet Med 24:237-40, 1 May 69 (Ger)
[Etiology and diagnosis of porcine mycoplasmosis. 2. Comparative pathological, anatomical, bacteriological and serological studies on the diagnosis of mycoplasmosis] Dzu N, et al.
Monatsh Vet Med 26:304-13, 15 Apr 71 (Ger)
[Diagnosis of swine dysentery] Günther H, et al.
Monatsh Vet Med 26:60-4, 15 Jan 71 (Ger)
[Reliability, specificity and sources of error of micro-agglutination reactions (MAR) used in the serodiagnosis of leptospirosis] Horsch F, et al.
Monatsh Vet Med 26:189-94, 1 Mar 71 (Ger)
[Studies in lungworm disease of the pig. 3. Coprological diagnosis] Poizenhagen M, et al.
Monatsh Vet Med 24:851-3, 15 Nov 69 (Ger)
[Dissociation of E. coli isolated from pig enterotoxemia resulting in serological cross reactions] Bertschinger HU. Pathol Microbiol (Basel) 36:215-22, 1970 (Ger)
[On veterinary activity in swine veterinary practice] Werner-Tutschku V.
Wien Tieraerztl Monatsschr 57:189-96, May 70 (Ger)
[Experience in the biological diagnosis of hydatidosis in sheep, cattle, swine and horses with the indirect hemagglutination test] De Rosa F, et al.
Acta Med Vet (Napoli) 16:403-9, Sep-Dec 70 (Ita)
[Allergologic diagnosis of trichinosis in swine] Bessonov AS. Veterinariia 11:31-2, Nov 70 (Rus)
[Testing brucellin VIEV on pigs] Borisov EM, et al.
Veterinariia 6:51-2, Jun 70 (Rus)
[Serological diagnosis of swine leptospirosis] Karysheva AF, et al. Veterinariia 12:85-6, Dec 70 (Rus)
[Allergologic diagnosis of brucellosis in swine] Kas'ianov AN. Veterinariia 11:72-4, Nov 70 (Rus)
[Prolonged complement fixation test in the diagnosis of brucellosis in swine] Mardzhanian DS.
Veterinariia 9:110-1, Sep 70 (Rus)
[Respiratory form of Aujeszky's disease in pigs] Pritulin PI, et al. Veterinariia 8:55-6, Aug 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Diagnosis of swine erysipelas] Revenko IP. Veterinariia 6:99-100, Jun 70 (Rus)

DRUG THERAPY

Advances in veterinary anthelmintic medication. Gibson TE. Adv Parasitol 7:349-73, 1969 (126 ref.)
An evaluation of trichlorfon as an anthelmintic for swine. Chang J, et al. Am J Vet Res 31:2197-200, Dec 70
Efficacy of dichlorvos (V3 formulation) against larval and adult Hyostrongylus rubidus. Jacobs DE, et al. Br Vet J 126:43-4, Oct 70
The action of certain antibiotics and ether on swine enzootic pneumonia. Huhn RG. Can J Comp Med 35:1-4, Jan 71
Swine dysentery control: the effect of Carbadox on the experimentally produced disease. Wilson MR, et al. Can Vet J 12:143-6, Jul 71
Field evaluation of parbendazole as an ascaricide in swine. Ferguson DL, et al. Cornell Vet 60:655-68, Oct 70
Effect of pyrantel salts on Ascaris suum infection in growing pigs. Zimmerman DR, et al. J Anim Sci 32:874-8, May 71
The efficacy of cambendazole against Ascaris suum and Strongyloides ransomi in swine. Egerton JR, et al. Res Vet Sci 11:590-2, Nov 70
The efficacy of dichlorvos (V3 formulation) against larval and adult Oesophagostomum spp. in the pig. Jacobs DE, et al. Res Vet Sci 12:189-91, Mar 71
Anthelmintic activity of parbendazole in swine naturally infected with lungworms and gastro-intestinal nematodes. Taffs LF. Res Vet Sci 11:515-22, Nov 70
Therapeutic efficacy of pyrantel tartrate against Ascaris and Oesophagostomum in swine. Arakawa A, et al. Vet Med Small Anim Clin 66:108-9, Feb 71
Evaluation of dichlorvos (V3 formulation) against larval and adult trichuris suis and observations on experimental infection in growing pigs. Beer RJ, et al. Vet Rec 88:436-41, 24 Apr 71
The use of chlorpromazine in swine agalactia. Lewis CJ, et al. Vet Rec 88:380, 10 Apr 71
Treatment of puerperal psychosis in sows by sedative and anaesthetic drugs. Lewis CJ, et al. Vet Rec 87:616-7, 14 Nov 70
Clinical evaluation of hormone therapy in the agalactia syndrome of sows. Martin CE, et al. Vet Rec 87:768-71, 19 Dec 70
A field trial with trimethoprim and sulfadoxine in bacterial diseases of cattle and pigs. Rehm WF, et al. Vet Rec 87:39-42, 11 Jul 70
The effect of oral cambendazole against Hyostrongylus rubidus and Oesophagostomum spp. in experimentally-infected pigs. Taffs LF. Vet Rec 89:165-8, 7 Aug 71
[Parasite control in wild ungulates] Kutzer E. Berl Munch Tieraerztl Wochenschr 84:230-3, 15 Jun 71 (Ger)
[Treatment of coli dysentery in suckling pigs using Amfurifer] Bugnowski H, et al. Monatsh Vet Med 25:950-4, 15 Dec 70 (Ger)
[Use of Hypodix to delouse a breeding pig stock] Herrnleben HG. Monatsh Vet Med 24:846-7, 15 Nov 69 (Ger)
[Use of Hypodix perfusion against Haematopinus suis infestation in breeding and fattening pigs] Hiepe T, et al. Monatsh Vet Med 24:334-6, 1 May 69 (Ger)
[Trichophyton mentagrophytes infection in a breeding-swine herd] Kielstein P, et al. Monatsh Vet Med 25:127-30, 15 Feb 70 (Ger)
[Treatment and prevention of agalactia in swine with desaminooxytoxin (ODA 914), a synthetic oxytoxin derivative] Glawischnig E. Wien Tieraerztl Monatsschr 57:102-4, 1970 (Ger)
[Therapy hints for swine veterinary practice] Glawischnig E. Wien Tieraerztl Monatsschr 57:442-6, 1970 (Ger)
[Therapeutic trials in the swine veterinary practice] Werner-Tutschku V. Wien Tieraerztl Monatsschr 57:437-42, 1970 (Ger)
[The therapeutic and preventive effectiveness of kormogrizein] Apukhtin GI, et al. Veterinariia 1:88, Jan 71 (Rus)
[Use of ferrodextran preparations in swine anemia] Belovodskiĭ VL. Veterinariia 12:72-3, Dec 70 (Rus)
[The effectiveness of antihelmycin in swine ascariasis] Grezin VF, et al. Veterinariia 1:65-6, Jan 71 (Rus)
[Use of dibiomycin and bicillin-3 in swine erysipelas] Shchetkin AA. Veterinariia 10:63-4, Oct 70 (Rus)

ENZYMOLOGY

The vitamin E-deficiency syndrome in pigs. II. Investigations on serum and tissue enzyme activity. Tollersrud S, et al. Acta Vet Scand 11:495-509, 1970
Histochemical activity of some lysosomal enzymes in normal and in pale, soft and exudative pig muscle. Dutson TR, et al. J Anim Sci 32:233-8, Feb 71
Serum enzyme and electrolyte levels of "stress-resistant" Chester White pigs and "stress-susceptible" Poland China pigs. Schmidt GR, et al. J Anim Sci 31:1168-71, Dec 70
A morphological and histochemical study of Trichuris suis (Schrank, 1788) with special reference to the host-parasite relationship. Jenkins T. Parasitology 61:357-74, Dec 70
Plasma levels of muscle enzymes in the Pietrain pig in relation to the acute stress syndrome. Allen WM, et al. Vet Rec 87:410-1, 3 Oct 70

ETIOLOGY

Mycoplasma hyorhinis as a causative agent in pneumonia of pigs. Friis NF. Acta Vet Scand 12:116-9, 1971
Nitrogen dioxide (silo gas) poisoning in pigs. Giddens WE Jr, et al. Am J Vet Res 31:1779-86, Oct 70
Porcine mycotic abortion caused by Aspergillus fumigatus. Mason RW. Aust Vet J 47:18-9, Jan 71
Endocarditis in the pig caused by Actinobacillus equuli: a field and an experimental case. Jones JE, et al. Br Vet J 127:25-9, Jan 71
Necrotic enteritis of pigs causedby infection with Oesophagostomum spp. Stockdale PH. Br Vet J 126:528-30, Oct 70
Mold toxicity in swine and laboratory animals: effect of feeding corn inoculated with pure cultures of Fusarium roseum Ohio Isolate C. Sharda DP, et al. J Anim Sci 32:1169-73, Jun 71
Production of pneumonia after intransal inoculation of gnotobiotic piglets with three strains of Mycoplasma hyorhinis. Goiĭ M, et al. J Comp Pathol 81:401-10, Jul 71
The microflora of the pig stomach and its possible relationship to ulceration of the pars oesophagea. Tannock GW, et al. J Comp Pathol 80:359-67, Jul 70
Internal parasites in pigs in southern Georgia: acquisition by suckling pigs raised on temporary and permanent pastures and grazed on permanent pasture after weaning. Andrews JS, et al. J Parasitol 56:1210-7, Dec 70
Susceptibility of cattle, buffaloes and swine in Cambodia to lapinized rinderpest virus. Sonoda A. Natl Inst Anim Health Q (Tokyo) 11:64-74, Summer 71
The role of mycoplasmas in diseases of pigs. Betts AO. Proc R Soc Med 64:34-5, Jan 71
The histopathology of experimental rhinitis in pigs produced by a strain of Aujeszky's disease virus. Baskerville A, et al. Res Vet Sci 12:323-6, Jul 71
Multiplication of Salmonella in liquid feed and its influence on the duration of excretion in pigs. Linton AH, et al. Res Vet Sci 11:452-7, Sep 70
Experimental infection of pigs with a human strain of type I reovirus. McFerran JB, et al. Res Vet Sci 12:174-5, Mar 71
A post-mortem survey of the relationships between bile staining and ulceration of the oesophageal portion of pig's stomach. Reed JH, et al. Res Vet Sci 11:438-40, Sep 70
Experimentally induced acute stress syndrome in Pietrain pigs. Allen WM, et al. Vet Rec 87:64-9, 18 Jul 70
An agent possibly associated with swine dysentery. Blakemore WF, et al. Vet Rec 87:59-60, 11 Jul 70
The comparative pathogenicity of two porcine haemophilus species. Little TW, et al. Vet Rec 88:540-5, 22 May 71
Meal particle size and pathological conditions in pigs. Noble WA. Vet Rec 88:372-3, 3 Apr 71
[Experimental pathogenesis of Aujeszky's disease in the piglet] Blaškovič D, et al. Arch Exp Veterinaermed 24:9-27, 1970 (Ger)
[Occurrence of Clostridium perfringens and its toxins in the intestinal tract of swine and its significance as an etiologic agent] Köhler B, et al. Arch Exp Veterinaermed 24:1325-46, 1970 (Ger)
[Feed quality and the occurrence of peptic ulcer in pigs] Sabec D, et al. Dtsch Tieraerztl Wochenschr 77:532-4, 15 Oct 70 (Ger)
[Etiology and epizootiology of swine dysentery] Kielstein P, et al. Monatsh Vet Med 26:55-60, 15 Jan 71 (Ger)
[Swine diseases caused by wood shavings of Mansonia altissima] Bertschinger HU, et al. Schweiz Arch Tierheilkd 112:841-51, Dec 70 (Ger)
[Carbon monoxide poisoning in swine] Schlecht H. Wien Tieraerztl Monatsschr 58:263-4, Jun 71 (Ger)
[The bacterial origin of diarrhea in piglets] Willinger H, et al. Wien Tieraerztl Monatsschr 57:415-8, 1970 (Ger)
[Experimental studies on the etiology of atrophic rhinitis in swine] Karbe E, et al. Zentralbl Veterinaermed [B] 17:993-1002, Dec 70 (Ger)
[Preparation of swine antilymphocyte serum and its effect on the peripheral blood picture in swine] Thein P, et al. Zentralbl Veterinaermed [B] 17:637-48, Jun 70 (Ger)
[Caudophagia--a new link in the epizootology of porcine trichinosis] Vishniakov IuI, et al. Veterinariia 1:118-20, Jan 71 (Rus)

FAMILIAL & GENETIC

Evidence of a sire effect on piglet mortality. Wijeratne WV, et al. Br Vet J 126:94-9, Feb 70
Sex anomalies in pigs. Basrur PK, et al. J Reprod Fertil 26:389-71, Sep 71

IMMUNOLOGY

Studies on Erysipelothrix insidiosa S. rhusiopathiae. 2. Serological study. Norrung V. Acta Vet Scand 11:586-93, 1970
Persistence of virulent pseudorabies virus in herds of vaccinated and nonvaccinated pigs. Sabó A, et al. Acta Virol (Praha) 15:87-94, Jan 71
Age and resistance to an Escherichia coli endotoxin stressing agent in weanling pigs. Davis JW, et al. Am J Vet Res 32:173-6, Jan 71
Agglutinating factor eluted from the erythrocytes of swine with rheumatoid arthritis. Sikes D, et al. Am J Vet Res 31:2191-5, Dec 70
Immunity to Escherichia coli in pigs: effect of feeding colostrum or serum from vaccinated sows to Escherichia coli infected gnotobiotic pigs. Svendsen J, et al. Am J Vet Res 32:899-904, Jun 71
Immunity to Escherichia coli in pigs: serologic response to sows given formalin-treated live Escherichia coli vaccine. Wilson MR, et al. Am J Vet Res 32:891-8, Jun 71
Bacteriological and serological studies in preparturient sows. Shreeve BJ, et al. Br Vet J 127:57-66, Feb 71
Immunity to Escherichia coli in pigs. The role of milk in protective immunity to e. coli enteritis. Wilson MR, et al. Can J Comp Med 35:239-43, Jul 71
Swine abscesses caused by Lancefield's group E streptococci. VII. Specificity of the precipitin test for their detection with relation to streptococcal antigens of groups C and L. Shuman RD, et al. Cornell Vet 60:570-81, Oct 70
The biology of Hyostrongylus ruidus. 3. Effect of host age on a primary infection. Burden DJ, et al. J Comp Pathol 80:601-5, Oct 70
Serological reactions in growing pigs to infections with Hyostrongylus rubidus. II. Complement fixing antibody. Castelino JB, et al. J Comp Pathol 81:315-20, Jul 71
Serological reactions in growing pigs to infections with Hyostrongylus rubidus. I. Precipitating antibody. Castelino JB, et al. J Comp Pathol 81:309-14, Jul 71
Antibody and rheumatoid factor in synovia of pigs with Erysipelothrix polyarthritis. Timoney J. J Comp Pathol 81:243-8, Apr 71
Hypersensitivity in young piglets: its relation to the pathogenesis of Escherichia coli disease. Shreeve BJ, et al. J Med Microbiol 3:377-85, Aug 70
Maintenance and protective effect of 131-I-labeled anti-swine erysipelas serum in blood of specific-pathogen-free piglets. Ando K, et al. Natl Inst Anim Health Q (Tokyo) 10:143-50, Fall 70
Immune response of pigs to inactivated foot-and-mouth disease vaccines. Response to DEAE-dextran and saponin adjuvanted vaccines. Anderson EC, et al. Res Vet Sci 12:351-7, Jul 71
Immune response of pigs to inactivated foot-and-mouth disease vaccines. Response to emulsion vaccines. Anderson EC, et al. Res Vet Sci 12:342-50, Jul 71
Studies on the resistance of pigs to infestation with Hyostrongylus rubidus (Hassall & Stiles, 1892). I. Infection experiments in non-sensitised and previously sensitised growing animals. Castelino JB, et al. Res Vet Sci 12:7-14, Jan 71
The inactivation of Erysipelothrix rhusiopathiae in pig buffy-coat leucocytes. Timoney J. Res Vet Sci 11:189-90, Mar 70
Prevalence of antibodies against Toxoplasma gondii in slaughter-pigs in India. Gill HS, et al. Vet Rec 89:130, 24 Jul 71
Studies on the immunologic host-parasite relationships. II. Comparative electrophoretic and immunoelectrophoretic studies on experimental Trichinella spiralis infection in swine and sheep. Pavlov P, et al. Z Immunitaetsforsch Exp Klin Immunol 141:398-405, Jun 71
Development of antibody response to swine influenza virus in pigs. I. The influence of experimental infection of pregnant sows on serum antibody production by their progeny during postnatal development. Mensík J, et al. Zentralbl Veterinaermed [B] 18:177-89, May 71
[Study of the possible induction of auto-antigenicity in swine with chronic brucellosis] Toshkov A, et al. Izv Mikrobiol Inst (Sofiia) 20:111-9, 1969 (Bul)
[Studies of the immunity produced in swine by an attack of aphthous fever of type O] Bauer K, et al. Bull Off Int Epizoot 70:519-38, Mar-Apr 69 (Fre)
[Attempts to produce a combined crystal violet vaccine against swine fever and Aujeszky's disease. I] Nedjalkov S, et al. Arch Exp Veterinaermed 24:159-65, 1970 (Ger)
[Isolation of Aujeszky virus in serologically positive breeding swine] Drzemalla H, et al. Monatsh Vet Med 25:784-8, 15 Oct 70 (Ger)
[Etiology and diagnosis of porcine mycoplasmosis. I. Experimental infections with Mycoplasma and Pasteurella] Dzu NM, et al. Monatsh Vet Med 26:169-81, 1 Mar 71 (Ger)
[Technology of aerogenic immunization against swine erysipelas under practice conditions] Möhlmann H, et al. Monatsh Vet Med 25:829-32, 1 Nov 70 (Ger)
[Comparative serological studies of the influenza

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

strains A2 Hongkong-1-68 and A2 DDR-Berlin in pigs] Sandow D, et al.
Monatsh Vet Med 25:320-2, 15 Apr 70 (Ger)
[Occurrence of neutralizing antibodies against the virus of porcine Aujeszky's disease in Switzerland] Hartmann H.
Schweiz Arch Tierheilkd 113:265-73, May 71 (Ger)
[Effect of antilymphocyte serum and corticosteroids on the crowding effect and immunity in Eimeria scabra infection of the pig] Rommel M.
Zentralbl Veterinaermed [B] 17:798-805, Aug 70 (Ger)
[Experiments on vaccination of swine with monovalent ethylethylenimine (EEI)-diethylaminoethyl-dextran (DEAE-D) vaccines against foot-and-mouth disease of the virus type A and C] Wittmann G, et al.
Zentralbl Veterinaermed [B] 17:1058-63, Dec 70 (Ger)
[Studies of the presence of hemagglutination-inhibiting antibodies aganist avian, equine, swine and human influenza viruses in the blood of some poultry and wildfowl of Naples] Compagnucci M, et al.
Acta Med Vet (Napoli) 16:283-91, May-Aug 70 (Ita)
[Effect of environmental factors on resistance of the body and on immunogenesis] Kovalenko IaR, et al.
Arch Exp Veterinaermed 24:113-24, 1970 (Rus)
[The character of seasonal changes in immunologic structure with regard to West Nile and Sindbis viruses in humans, domestic and wild animals in southern Uzbekistan] Chunikhin SP, et al.
Med Parazitol (Mosk) 38:435-9, Jul-Aug 69 (Rus)

METABOLISM

Toxicity and distribution of mercury in pigs with acute methylmercurialism. Piper RC, et al.
Am J Vet Res 32:263-73, Feb 71
Effect of enteropathogenic Escherichia coli infection on the transmembrane potential of the swine intestine. Quamme G, et al.
Can J Comp Med 34:299-302, Oct 70
The production of amines in the alimentary tract of the pig in relation to dietary lactobacilli, weaning and post-weaning diarrhoea. 2. In vitro studies of the catabolic activity of the small intestinal microflora. Hill IR, et al. Proc Nutr Soc 29:Suppl:14A+, May 70
The production of amines in the alimentary tract of the pig in relation to dietary lactobacilli, weaning and post-weaning diarrhoea. 1. In vivo studies of intestinal and urinary amines. Porter P, et al.
Proc Nutr Soc 29:Suppl:13A+, May 70
Studies of the effect of dietary lactobacilli on intestinal and urinary amines in pigs in relation to weaning and post-weaning dirrhoea. Hill IR, et al.
Res Vet Sci 11:320-6, Jul 70

MICROBIOLOGY

Mycoplasma suipneumoniae and Mycoplasma hyorhinis demonstrated in pneumonic pig lungs by the fluorescent antibody technique. Meyling A.
Acta Vet Scand 12:137-41, 1971
Studies on Erysipelothrix insidiosa S. rhusiopathiae. 1. Morphology, cultural features, biochemical reactions and virulence. Norrung V.
Acta Vet Scand 11:577-85, 1970
Pathogenicity of bacteria associated with streptococcic lymphadenitis (Jowl abscess) of swine. Armstrong CH, et al. Am J Vet Res 31:1595-9, Sep 70
Leptospirosis in swine caused by serotype grippotyphosa. Hanson LE, et al.
Am J Vet Res 32:855-60, Jun 71
Salmonella isolated from swine suspected fo having hog cholera. Harrington R Jr, et al.
Am J Vet Res 32:1297-9, Aug 71
Mycobacterium avium in tuberculous adenitis of swine. Karlson AG, et al. Am J Vet Res 32:1257-61, Aug 71
Enterotoxic activity of whole cell lysates of Escherichia coli in young pigs. Kohler EM.
Am J Vet Res 32:731-7, May 71
Feeding bacteria-free whole cell lysates of Escherichia coli to gnotobiotic pigs and the effects of giving antiserums. Kohler EM, et al.
Am J Vet Res 32:739-48, May 71
Unusual isolates from clinical material--Balantidium coli. Biagi F. Ann NY Acad Sci 174:1023-6, 30 Oct 70
Erysipelothrix rhusiopathiae. Grieco MH, et al.
Ann NY Acad Sci 174:523-32, 30 Oct 70
Porcine cytomegalic inclusion disease virus. Electron microscopic study of the nasal mucosa. Valíček L, et al. Arch Gesamte Virusforsch 32:19-30, 1970
The isolation of a porcine adenovirus in Queensland. Kwon HJ, et al. Aust Vet J 47:54-6, Feb 71
Studies on intestinal protozoa of domestic pigs in the Teheran area of Iran. Shieban F.
Br Vet J 127:3-5, Mar 71
The distribution of group E streptococcus among lymph nodes of experimentally infected swine. Armstrong CH, et al. Can J Comp Med 35:87-90, Jan 71
A study of Escherichia coli strains isolated from pigs with gastro-intestinal disease. Gyles CL, et al.
Can J Comp Med 35:258-66, Jul 71
Response of gnotobiotic pigs to Escherichia coli. Miniats OP, et al. Can J Comp Med 34:269-76, Jul 70
Studies on the bacterial floral of condemmed portions from arthritic hogs. Tittiger F, et al.
Can J Comp Med 35:244-8, Jul 71
Effects of Escherichia coli and Clostridium perfringens on pathogen-free, 1-day-old, fasting pigs. Kramer T, et al. Cornell Vet 60:537-46, Oct 70
Swine abscesses caused by Lancefield's group E streptococci. 8. Specificity of the precipitin test for their detection with relation to streptococcal antigens of groups A and G. Shuman RD, et al.
Cornell Vet 61:45-58, Jan 71
Mycoplasma hyosynoviae arthritis of swine. Ross RF, et al. J Am Vet Med Assoc 157:1515-8, 1 Dec 70
A small haemaggultinating porcine DNA virus. II. Biological and serological studies. Cartwright SF, et al. J Comp Pathol 81:145-55, Jan 71
Further investigations on the airborne excretion of foot-and-mouth disease virus. Donaldson AI, et al.
J Hyg (Camb) 68:557-64, Dec 70
The relationship between two apparently different enterotoxins produced by enteropathogenic strains of Escherichia coli of porcine origin. Smith HW, et al.
J Med Microbiol 3:387-401, Aug 70
Hong Kong A-2 influenza virus infection among swine during a human epidemic in Taiwan. Kundin WD.
Nature (Lond) 228:857, 28 Nov 70
Alpha hemolytic streptococci isolated from acute pneumonia and septicemia of Iowa swine. Brown LN.
Proc US Anim Health Assoc 73:589-95, 1969
Spirochaetal invasion of the colonic epithelium in swine dysentery. Taylor DJ, et al.
Res Vet Sci 12:177-9, Mar 71
Direct isolation of mycoplasma suipneumoniae on solid medium from pneumotic lesions in pigs. Goodwin RF, et al. Vet Rec 87:726-7, 5 Dec 70
Isolation and characterisation of a reovirus from pigs. Kasza L. Vet Rec 87:681-6, 28 Nov 70
Haemophilus infection in pigs. Little TW.
Vet Rec 87:399-402, 3 Oct 70
The size and morphology of T.G.E. and vomiting and wasting disease viruses of pigs. Phillip JI, et al.
Vet Rec 88:311-2, 20 Mar 71
Salmonella in mesenteric and portal lymph nodes and faeces from normal slaughter-pigs. Edel W, et al.
Zentralbl Veterinaermed [B] 17:875-9, Sep 70
On the occurrence of Mycoplasma hyorhinis in the respiratory organs of pigs, with special reference to enzootic pneumonia. Schulman A, et al.
Zentralbl Veterinaermed [B] 17:549-53, May 70
[Chromogenic mycobacteria cultures from lesions of animal tuberculosis] Lafont J, et al.
Zentralbl Bakteriol [Orig] 215:225-33, 1970 (Fre)
[Testing of the pathogenicity of Mycoplasma strains through serial passages in gnotobiotic piglets] Fritzsche K, et al.
Arch Exp Veterinaermed 24:73-93, 1970 (Ger)
[Serotypes of Erysipelothrix rhusiopathiase in endocarditis of pigs] Kast A, et al.
Berl Munch Tieraerztl Wochenschr 83:485-7, 15 Dec 70 (Ger)
[Bacteriological study of nasal smear samples from healthy pigs and pigs with atrophic rhinitis] Schöss P.
Dtsch Tieraerztl Wochenschr 78:371-4, 1 Jul 71 (Ger)
[Clostridium intoxications in swine] Köhler B.
Monatsh Vet Med 26:69-74, 15 Jan 71 (Ger)
[Serotyping of hemolyzing coliform bacteria isolated from piglets] Willinger H, et al.
Wien Tieraerztl Monatsschr 57:340-2, Oct 70 (Ger)
[Pathogenesis of experimental influenza in sucking piglets. 2. Persistence of virus in the lungs and in organs outside the respiratory tract] Menšík J, et al.
Zentralbl Veterinaermed [B] 16:808-17, Dec 69 (Ger)
[Disinfection of liquid manure in listeriosis] Baranenkov MA. Veterinariia 12:18-20, Dec 70 (Rus)
[Serological typing of fetal and saprophytic vibrios] Shatalov VF. Veterinariia 12:25-7, Dec 70 (Rus)
[Properties of Mycoplasma isolated in enzootic porcine pneumonia] Zuev VV, et al.
Veterinariia 12:28-30, Dec 70 (Rus)
[An immunoabsorption study of strains of L. pomona isolated from farm animals in Priamur'e from 1964 to 1965] Trop IE, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:35-8, Oct 69 (Rus)
[The effect of a virus isolated from swine ill with infectious atrophic rhinitis, on the tissues of the nasal cavity of piglets] Volynets AK.
Mikrobiol Zh 32:396-8, May-Jun 70 (Ukr)

MORTALITY

Evidence of a sire effect on piglet mortality. Wijeratne WV, et al. Br Vet J 126:94-9, Feb 70
The effect of disease on a large pig fattening enterprise. I. Incidence and characteristics of disease. Pay MG. Vet Rec 87:647-51, 21 Nov 70
The effect of disease on a large pig fattening enterprise. II. Causes, control and economics of disease. Pay MG. Vet Rec 87:652-6, 21 Nov 70
[Transportation losses of breeding and slaughter swine] Mehrkens L.
Dtsch Tieraerztl Wochenschr 77:10-2, 1 Jan 70 (Ger)

OCCURRENCE

Studies on swine enteroviruses. 3. Occurrence of enteroviruses in Hungarian swine herds and in the kidney tissue of normal pigs. Szent-Iványi T.
Acta Microbiol Acad Sci Hung 17:267-73, 1970
Studies on the atrophic rhinitis of swine. Hámori D.
Acta Vet Acad Sci Hung 20:263-71, 1970
Asymptomatic salmonellosis in a swine herd. Haddock RL. Am J Public Health 60:2345-53, Dec 70
The abattoir incidence of polyarthritis in pigs in Australia. Cross GM, et al. Aust Vet J 47:126, Mar 71
A case of listeriosis in piglets. Meyer EP, et al.
Aust Vet J 46:514, Oct 70
Observations on the incidence of spontaneous lesions of bone in pigs. Feli BF, et al.
Br Vet J 126:306-15, Jun 70
Stillbirth in the pig: an analysis of the breeding records of five herds. Randall GC, et al.
Br Vet J 126:593-603, Nov 70
Leptospirosis in New Zealand. Jamieson S, et al.
Bull Off Int Epizoot 73:81-92, Jan-Feb 70
Studies of leptospirosis in Taiwan (Republic of China). Liu YP, et al. Bull Off Int Epizoot 73:43-8, Jan-Feb 70
Leptospirosis in Thailand. Subharngkasen S.
Bull Off Int Epizoot 73:39-42, Jan-Feb 70
Brucellosis in Thailand. Subharngkasen S.
Bull Off Int Epizoot 73:9-15, Jan-Feb 70
Leptospirosis in Japan. Yanagawa R.
Bull Off Int Epizoot 73:59-65, Jan-Feb 70
A review of the leptospiroses of domestic animals in Australia. Bull Off Int Epizoot 73:67-90, Jan-Feb 70
An epidemiological study of Salmonella infection in swine in Ontario. Groves BI, et al.
Can J Public Health 61:396-401, Sep-Oct 70
The occurrence of Salmonella infection in market swine in Southwestern Ontario. Groves BI, et al.
Can Vet J 12:11-5, Jan 71
Evaluation of a method to estimate the prevalence of congenital malformations in swine, using a mailed questionnaire. Selby LA, et al.
Cornell Vet 61:203-13, Apr 71
On Gastrodiscoides hominis (Lewis and McConnell, 1876) Leiper, 1913 from pigs 9(Sus scrofa domestica) in Madhya Pradesh, its pathology and public health importance. Shrivastav HO, et al.
Indian J Pathol Bacteriol 13:68-72, Apr 70
Coccidian parasites of domestic pigs (Sus scrofa domestica) in Bihar. Sinha BK.
Indian Vet J 47:705-6, Aug 70
Diseases of aged swine. Brown DG, et al.
J Am Vet Med Assoc 157:1914-8, 1 Dec 70
Computer-based analysis of epidemiological data arising from salmonellosis in pigs. Linton AH, et al.
Res Vet Sci 11:523-32, Nov 70
Mycobacterium avium infections in cattle and pigs in Great Britain. Lesslie IW, et al.
Tubercle 51:446-51, Dec 70
Observations on the occurrence of diaphragmatic defects of swine in a commercial production herd. Gregory JF. Vet Med Small Anim Clin 66:361-7, Apr 71
A review of some animal diseases encountered at meat inspection 1960-1968. Biamire RV, et al.
Vet Rec 87:234-8, 22 Aug 70
A survey of the prevalence of Hyostrongylus rubidus in breeding pigs slaughtered in North Wales. Castelino JB, et al. Vet Rec 87:256-7, 29 Aug 70
Hairball in the pig. Clague DC. Vet Rec 86:791, 27 Jun 70
The involvement of milk in the spread of foot-and-mouth disease: an epidemiological study. Dawson PS. Vet Rec 87:543-8, 31 Oct 70
Serological evidence of the presence of haemagglutinating-encephalitis virus in Northern Ireland. McFerran JB, et al.
Vet Rec 88:339-40, 27 Mar 71
Steatorrhoea in piglets. Mouwen JM, et al.
Vet Rec 87:172-3, 8 Aug 70
Incidence of breeding abnormalities in a random selection of large white gilts purchased for experimental purposes. Reed HC.
Vet Rec 87:778-81, 19 Dec 70
[A case of Aujeszky's disease of swine in the Côtes-du-Nord] Toma B, et al.
Bull Acad Vet Fr 42:149-55, Apr 69 (Fre)
[Further Aujeszky's disease foci in Brittany] Toma B, et al. Bull Acad Vet Fr 44:39-46, Jan 71 (Fre)
[Epizootiology of Aujeszky's disease in Czechoslovakia. 3. Effect, on the course of the epidemic, of mass inoculation of pigs with live-virus vaccine] Skoda R, et al. Arch Exp Veterinaermed 24:167-77, 1970 (Ger)
[Epizootiology of pasteurellosis] Stryszak A.
Arch Exp Veterinaermed 24:179-85, 1970 (Ger)
[Classification of the foot-and-mouth disease virus strain responsible for the 1967 English epidemic] Böhm HO, et al.
Berl Munch Tieraerztl Wochenschr 83:409-14, 1 Nov 70 (Ger)
[The distribution of worm infestation in pigs in Westphalia, with special reference to gastro-intestinal strongylides] Fiedler H.
Berl Munch Tieraerztl Wochenschr 83:398-401, 15 Oct 70 (Ger)
[Vomiting and distress in suckling pigs (short clinical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

report)] Schlenstedt D, et al.
Dtsch Tieraerztl Wochenschr 76:694-5, 15 Dec 69 (Ger)
[Occurrence and spread of swine ectoparasites] Gräfner G, et al.
Monatsh Vet Med 24:773-6, 15 Oct 69 (Ger)
[Experiences in the control of foot-and-mouth disease during a primary outbreak] Hartmann M, et al.
Monatsh Vet Med 25:817-23, 1 Nov 70 (Ger)
[Critical evaluation of breeding hygiene studies of stud boars in the County of Gera] Köhler H.
Monatsh Vet Med 26:400-15, 1 Jun 71 (Ger)
[Lungworm infection of swine. 1st communication: occurrence, extent and intensity of Metastrongylus spp. infection in domestic pigs and wild boars] Krause H, et al. Monatsh Vet Med 24:776-80, 15 Oct 69 (Ger)
[Statistical contribution on tumor occurrence among patients in a large-animal hospital] Panndorf H.
Monatsh Vet Med 25:99-104, 1 Feb 70 (Ger)
[Parasites of wild boars (Sus scrofa L.) in Austria] Kutzer E, et al. Z Parasitenkd 35:205-17, 1971 (Ger)
[Extensity and intensity of nematode infection of the digestive tract in herds of fattening pigs in the Cracow Province in the years 1968-1970] Ramisz A, et al.
Wiad Parazytol 17:75-80, 1971 (Pol)
[Incidence of Salmonellae in animals slaughtered at the Abattoir of Cluj] Deac C, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:57-60, Jan-Feb 71 (Rum)
[Epizootiology of animal leptispirosis] Batkov IuV, et al. Veterinariia 8:53, Aug 70 (Rus)
[Epizootiology of leptospirosis] Soloshenko IZ, et al. Veterinariia 12:41-3, Dec 70 (Rus)
[Spontaneous toxoplasmosis of swine] Timofeev BA. Veterinariia 6:61-2, Jun 70 (Rus)
[Epizootiology of foot-and-mouth disease in Kuban] Ushmaev NL, et al. Veterinariia 6:47-9, Jun 70 (Rus)
[Epidemiology of anicteric leptospirosis in the Astrakhan region] Bezumnova FI.
Zh Mikrobiol Epidemiol Immunobiol 47:36-9, Jul 70 (Rus)
[Epidemiology of leptospirosis in South-Western Azerbaijan] Tagi-Zade TA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:19-22, May 71 (Rus)
[Leptospirosis in animals slaughtered in Chimbote, Peru] Liceras de Hidalgo J, et al.
Bol Of Sanit Panam 70:429-35, May 71 (Spa)

PATHOLOGY

Experimental toxoplasmosis in pregnant sows. Moller T, et al.
Acta Pathol Microbiol Scand [A] 78:241-55, 1970
The vitamin E-deficiency syndrome in pigs. I. Pathological changes. Nafstad I, et al.
Acta Vet Scand 11:452-80, 1970
Porcine salmonellosis. II. Production of the generalized Shwartzman reaction by intravenous injections of disintegrated cells of salmonella cholerae-suis. Nordstoga K, et al. Acta Vet Scand 11:370-9, 1970
Porcine salmonellosis. 3. Production of fibrinous colitis by intravenous injections of a mixture of viable cells of salmonella cholerae-suis and disintegrated cells of the same agent, or hemolytic Escherichia coli. Nordstoga K, et al. Acta Vet Scand 11:380-9, 1970
Porcine salmonellosis. I. Gross and microscopic changes in experimentally infected animals. Nordstoga K. Acta Vet Scand 11:361-9, 1970
Fine structure of bone cells in the nasal turbinates of pigs with naturally occurring atrophic rhinitis. Fetter AW, et al. Am J Pathol 62:265-82, Feb 71
Generalized infection of gnotobiotic piglets with E. coli of feline origin. Meyer RC, et al.
Am J Pathol 63:57-68, Apr 71
Mycoplasma hyorhinis swine arthritis. II. Morphologic features. Ennis RS, et al.
Arthritis Rheum 14:202-11, Mar-Apr 71
Pathology of liver and pancreas in opisthorchiasis novercа in dogs and pigs. Sahai BN, et al.
Br Vet J 127:239-43, May 71
Escherichia coli disease in the piglet. A pathological and bacteriological investigation. Shreeve BJ, et al.
Br Vet J 126:444-51, Aug 70
The pathology of arylmercurial poisoning in swine. Tryphonas L, et al. Can J Comp Med 34:181-90, Jul 70
Intrapulmonary lymphoid tissue of pigs exposed to aerosols of haemolytic streptococcus group L and porcine adenovirus. Jericho KW, et al.
J Comp Pathol 81:1-11, Jan 71
Intrapulmonary lymphoid tissue of pigs exposed to aerosols of carbon particles, of Salmonella oranienburg, of Mycoplasma granularum, and to an oral inoculum of larvae of Metastrongylus apri. Jericho KW, et al. J Comp Pathol 81:13-21, Jan 71
The histopathology of Oesophagostomum dentatum infections in pigs. McCracken RM, et al.
J Comp Pathol 80:619-23, Oct 70
An unusual lesion in the pig aorta. Woolf N, et al.
J Pathol 103:231-8, Apr 71
Mastocytoma in a pig. Migaki G, et al.
Pathol Vet 7:353-5, 1970
The pathology of experimental infection of pigs with type I reovirus of porcine origin. Baskerville A, et al.
Res Vet Sci 12:172-4, Mar 71
A haemorrhagic bowel syndrome in pigs. Pill AH.
Vet Rec 88:27-8, 2 Jan 71
Intestinal haemorrhage syndrome. Smith WJ, et al.
Vet Rec 89:55-6, 10 Jul 71
[The histology of enzootic pneumonia in suckling piglets and market pigs with special reference to the initial stages] Krausse H.
Arch Exp Veterinaermed 24:1077-89, 1970 (Ger)
[Dysplasia of the femur epiphyses as a cause of lameness in 2 stud boars] Christel H.
Beri Munch Tieraerztl Wochenschr 83:35-6, 15 Jan 70 (Ger)
[Polyarthrosis in fattened pigs as a constitution-dependent breeding disease] Dämmrich K.
Beri Munch Tieraerztl Wochenschr 83:450-6, 15 Nov 70 (Ger)
[Thrombosis of the pharyngo-esophageal plexus in a swine] Keil M.
Beri Munch Tieraerztl Wochenschr 84:315, 15 Aug 71 (Ger)
[Course of Eimeria scabra and E. polita infection in fully susceptible suckling pigs and shoats] Rommel M.
Beri Munch Tieraerztl Wochenschr 83:181-6, 15 May 70 (Ger)
[Significance of pathologic-anatomical nose examinations in slaughter-pigs of a fattening farm for the diagnosis of rhinitis atrophicans in the original herd] Kayser G, et al.
Dtsch Tieraerztl Wochenschr 78:494-6, 15 Sep 71 (Ger)
[Dermatosis vegetans on the forelimb and hindlimb claws of a suckling pig] Köhler H.
Dtsch Tieraerztl Wochenschr 78:224-5, 1 Jun 71 (Ger)
[Differentiation and fertilization capacity of pathological spermatozoa] Leidl W, et al.
Dtsch Tieraerztl Wochenschr 78:129-32 passim, 15 Feb 71 (Ger)
[Urate nephropathy in a pig] Százados I, et al.
Dtsch Tieraerztl Wochenschr 77:60-1, 1 Feb 70 (Ger)
[Pathologic-anatomical findings in a disease resembling the vomiting and wasting disease of piglets] Tuch K.
Dtsch Tieraerztl Wochenschr 78:496-7, 15 Sep 71 (Ger)
[Atypical cases of anthrax in some domestic animals] Dobin MA, et al.
Monatsh Vet Med 25:97-8, 1 Feb 70 (Ger)
[Histopathologic studies of the muscles of swine of newer breeds (meat swine)] Ilchmann G.
Monatsh Vet Med 24:769-73, 15 Oct 69 (Ger)
[Dermatophytosis in pigs caused by Trichophyton mentagrophytes (Robin) Blanchard (1896)] Otčenášek M, et al.
Monatsh Vet Med 25:130-3, 15 Feb 70 (Ger)
[Studies in lungworm diseases of swine. 2. Course and effects of metastrongylus inoculation in domestic pigs with special reference to the life expectancy of Metastrongylus apri] Polzenhagen M, et al.
Monatsh Vet Med 24:847-50, 15 Nov 69 (Ger)
[Pathomorphological studies of salmonellosis in swine] Sofrenović D, et al.
Monatsh Vet Med 25:729-34, 1 Oct 70 (Ger)
[Rhinitis atrophicans of swine] Uhlemann J, et al.
Monatsh Vet Med 25:775-81, 15 Oct 70 (Ger)
[Coliform enterotoxemia in the shoat. Dependence upon the pathologico-anatomical changes in the coliform serotype] Bertschinger HU.
Schweiz Arch Tierheilkd 112:374-84, Aug 70 (Ger)
[Joint changes in experimental swine erysipelas] Weiland F, et al.
Zentralbl Veterinaermed [B] 18:7-102, Mar 71 (Ger)
[Ascaridosis of the small intestine in pigs (Sus domestica)--pathomorphologic study] Kozlowicz S.
Wiad Parazytol 17:159-66, 1971 (Pol)
[Pathomorphological changes during experimental leptospirosis in young pigs] Drogun AG, et al.
Veterinariia 7:61-2, Jul 70 (Rus)

PHYSIOPATHOLOGY

Effect of diarrhoea on the water and acid-base balance in piglets with enteric colibacillosis. Kutas F, et al.
Acta Vet Acad Sci Hung 21:117-25, 1971
Pathologic and endocrinologic changes associated with porcine agalactia. Nachreiner RF, et al.
Am J Vet Res 32:1065-75, Jul 71
The live-weight gain of growing pigs experimentally infected with massive doses of Hyostrongylus rubidus (Nematoda) larvae. Castelino JB, et al.
Br Vet J 126:579-82, Nov 70
[Electromyographic studies on healthy pigs and pigs with protracted atrophy of the posterior femoral musculature] Buschmann G, et al.
Beri Munch Tieraerztl Wochenschr 83:477-80, 15 Dec 70 (Ger)
[Relationship between the tensile strength of foot bones and lameness in growing pigs] Wegner W.
Beri Munch Tieraerztl Wochenschr 84:246-9, 1 Jul 71 (Ger)

PREVENTION & CONTROL

Field experiment on levamisole against certain helminths in pigs, with emphasis on test of activity against lungworms. Lindquist WD, et al.
Am J Vet Res 32:1301-4, Aug 71
Eradication of leptospirosis from two commercial piggeries in South Australia. Dobson KJ.
Aust Vet J 47:186-8, May 71
The effects of killing or removal of animals affected with foot-and-mouth disease on the amounts of airborne virus present in looseboxes. Sellers RF, et al.
Br Vet J 127:358-65, Aug 71
Disease problems associated with intensive pig fattening in Ireland. Buckley HG.
Bull Off Int Epizoot 69:1861-8, Nov-Dec 68
Mammoth pig-breeding farms: intensive production methods and the animals health. Kuipers AH.
Bull Off Int Epizoot 69:1869-84, Nov-Dec 68
Swine enzootic pneumonia: age susceptibility and treatment schemata. Huhn RG.
Can J Comp Med 35:77-81, Jan 71
The control of samonellae affecting swine and man. Newell KW, et al.
J Am Vet Med Assoc 158:89-98, 1 Jan 71 (51 ref.)
Extraction of an ulcer-preventing principle from oat hulls. Seether KA, et al. J Anim Sci 32:1160-3, Jun 71
Elimination of anemia in the newborn. Taylor GW.
Vet Med Small Anim Clin 66:370 passim, Apr 71 (7 ref.)
Effect of feeding pellets on the prevention and sanitation of Salmonella infections in fattening pigs. Edel W, et al.
Zentralbl Veterinaermed [B] 17:730-8, Aug 70
[Research on foot-and-mouth disease vaccination of swine (trial of a trivalent O A C vaccine)] Giraud M, et al. Bull Acad Vet Fr 43:335-43, Jul 70 (Fre)
[Practical evaluation of the role of vaccine and serum in the prevention of aphthous fever in swine] Ercegovac D, et al. Bull Off Int Epizoot 75:21-6, Jan-Feb 71 (Fre)
[Commercial raising of swine and sanitary conditions in Hungary] Kadar T, et al.
Bull Off Int Epizoot 69:1893-904, Nov-Dec 68 (Fre)
[Appearance of animal diseases in intensive swine raising in Austria] Schaupp W.
Bull Off Int Epizoot 69:1885-91, Nov-Dec 68 (Fre)
[Attempted vaccination of swine with inactive aphthous virus vaccines. I. Tests of O virus inactivated with hydroxylamine, formol, heat and pH] Wittmann G, et al.
Bull Off Int Epizoot 70:351-79, Mar-Apr 69 (Fre)
[Use of immunoglobulins in the breeding of piglets] Bähr KH, et al.
Beri Munch Tieraerztl Wochenschr 83:446-9, 15 Nov 70 (Ger)
[Sanitation of a large herd of breeding pigs from Aujeszky's disease] Achtzehn W.
Monatsh Vet Med 25:124-7, 15 Feb 70 (Ger)
[Attempts to erradicate Leptospira tarassovi (syn. hyos) infection in large pig breeding stocks] Beer J, et al. Monatsh Vet Med 24:327-33, 1 May 69 (Ger)
[Some current questions regarding control of foot and mouth disease] Benndorf E.
Monatsh Vet Med 25:215-8, 15 Mar 70 (Ger)
[Report of the Insemination Boar Health Service in the County of Gera] Eidner M.
Monatsh Vet Med 26:415-24, 1 Jun 71 (Ger)
[Experiments on the control sarcoptidosis in cattle, sheep, and pigs, using a Hypodix pour-on method] Gräfner G, et al.
Monatsh Vet Med 24:844-6, 15 Nov 69 (Ger)
[Epidemic prophylaxis for large herds of swine] Kleistein P. Monatsh Vet Med 26:41-6, 15 Jan 71 (Ger)
[Responsibilities of veterinary medicine in industrialized swine production] Prange H.
Monatsh Vet Med 26:287-93, 15 Apr 71 (Ger)
[Recent findings on the pathogenesis and prevention of Escherichia coli infections of swine] Wittig W.
Monatsh Vet Med 26:74-8, 15 Jan 71 (Ger)
[Epizootiology and control of salmonellosis in herds of swine] Wohlfarth E.
Monatsh Vet Med 26:65-9, 15 Jan 71 (Ger)
[Epidemiology and control of virus diseases under mass animal husbandry conditions] Mussgay M.
Pathol Microbiol (Basel) 36:325-37, 1970 (Ger)
[Prevention of iron-deficiency anemia in the pig by use of "Augifer"] Schierka G.
Wien Tieraerztl Monatsschr 58:80, 1971 (Ger)
[Disinfection in swine husbandry] Willinger H, et al.
Wien Tieraerztl Monatsschr 57:396-403, 1970 (Ger)
[Immunological value of pig convalescent blood and its significance in the prevention of foot-and-mouth disease] Cioloca T, et al.
Zentralbl Veterinaermed [B] 18:190-6, May 71 (Ger)
[Studies on the protective inoculation of 6- to 8-week-old piglets with ethylethyleniminе (EEI) diethylaminoethyl-dextran (DEAE-D) vaccines against foot-and-mouth disease caused by virus type O1] Wittmann G, et al.
Zentralbl Veterinaermed [B] 18:135-46, Mar 71 (Ger)
[The spread of hydatidosis in slaughter-house animals in the province of Caserta and its prevention] Vaccaro A, et al.
Acta Med Vet (Napoli) 15:115-40, May-Aug 69 (Ita)
[Strengthening the control of animal trichinosis] Dukatsenko VG, et al.
Veterinariia 12:50-2, Dec 70 (Rus)
[Efficacy of live influenza vaccine against influenza] Labutinas A, et al. Veterinariia 10:54-6, Oct 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The economic effectiveness of measures against dyspepsia in calves and piglets] Nikitishin PK. Veterinariia 1:73-4, Jan 71 (Rus)
[Immunogenic properties of Aujeszky's disease virus] Nochevnyĭ VT, et al. Veterinariia 6:44-6, Jun 70 (Rus)
[A trial of anti-foot-and-mouth disease measures] Rudnev AA, et al. Veterinariia 1:43-5, Jan 71 (Rus)
[Prevention of helminthiasis on specialized farms] Shumakovich EE. Veterinariia 11:35-7, Nov 70 (Rus)
[Experience in eradication of brucellosis on farms] Shutiuk V, et al. Veterinariia 11:71-2, Nov 70 (Rus)

RADIOGRAPHY

[Reply to the discussion by W. Seffner on the publication of G. Schönmuth, E. Nagel and H. Seifert "Selection against rhinitis atrophicans suum by means of roentgen diagnosis"] Schönmuth G.
Monatsh Vet Med 24:419-20, 1 Jun 69 (Ger)
[Discussion on the publication "Selection against rhinitis atrophicans suum by means of roentgen diagnosis" by G. Schönmuth, E. Nagel and H. Seifert] Seffner W. Monatsh Vet Med 24:418-9, 1 Jun 69 (Ger)
[Thoracofluorographic diagnosis of bronchopneumonia] Mustakimov RG.
Veterinariia 8:80-2, Aug 70 (Rus)

SURGERY

[Treatment of panaritium in the pig] Eichner G.
Monatsh Vet Med 26:98-100, 1 Feb 71 (Ger)

THERAPY

[Programmed therapy of fertility disorders and perinatal loss of swine. (Brief clinical report)] Pionait H.
Dtsch Tieraerztl Wochenschr 78:273-5, 1 May 71 (Ger)
[On the treatment of uterine prolapse in the pig and castration in the boar] Werner-Tutschku V.
Wien Tieraerztl Monatsschr 57:249-53, Jun-Jul 70 (Ger)
[Treatment of swine in complicated forms of viral pneumonia] Afanas'ev VI.
Veterinariia 8:56-7, Aug 70 (Rus)

SWINE ERYSIPELAS see under ERYSIPELOTHRIX

INFECTIONS (C1, C15)

SYCOSIS (C1, C12)

DRUG THERAPY

[1st clinical experiences in systemic mycoses with a new oral antimycotic drug] Oberste-Lehn H, et al.
Mykosen 13:1-12, 1 Jan 70 (Ger)

SYDNONES see under OXADIAZOLES (D2)

SYMBIOSIS (G1)

Genetic analysis by transduction of Rhizobium meliloti mutants with changed symbiotic activity. Kowalski M.
Acta Microbiol Pol [A] 2:115-22, 1970
On the functions of intracellular symbiotes of Sitophilus oryzae Linn. Dang-Gabrani K.
Experientia 27:107, 15 Jan 71
Production of an insect sex attractant by symbiotic bacteria. Hoyt CP, et al.
Nature (Lond) 230:472-3, 16 Apr 71
Symbiosis and evolution. Margulis L.
Sci Am 225:48-57, Aug 71
Correlation analysis of criteria of symbiotic nitrogen. Fixation by soybeans (Glycine max Merr.). Martinez CJ, et al.
Zentralbl Bakteriol [Naturwiss] 124:212-6, 1970
[Structure of Foaina brasiliensis n. sp., a Devescovinidae symbiote of a brazilian termite of genus Neotermes] Lavette A.
C R Acad Sci [D] (Paris) 272:1394-7, 8 Mar 71 (Fre)
[Endosymbiosis: structure, function, evolution] Schwemmler W.
Naturwissenschaften 58:60-1, Jan 71 (Ger)
[Problem of symbiotic neuroses. Formative conditions of a compulsive-neurotic final condition] Deikeskamp H, et al.
Z Psychosom Med Psychoanal 13:153-9, Jul-Sep 67 (Ger)
[Utilization by higher plants of nitrogen fixed from the atmosphere by blue-green algae] Pankratova EM, et al. Mikrobiologiia 38:1060-4, Nov-Dec 69 (Rus)

SYMBIOTES (B3)

The Blochmann bodies: hereditary intracellular symbionts of insects. Lanham UN.
Biol Rev 43:269-86, Aug 68 (66 ref.)
[Endosymbiosis: structure, function, evolution] Schwemmler W.
Naturwissenschaften 58:60-1, Jan 71 (Ger)

DRUG EFFECTS

Action of penicillin G on endosymbiote lambda particles of Paramecium aurelia. Soldo AT, et al.
J Bacteriol 104:966-80, Nov 70

ISOLATION & PURIFICATION

[Electron microscopy study on hereditary symbiotes in the ovary of several female homopterous insects] Hamon C.
Z Zellforsch Mikrosk Anat 119:244-56, 1971 (Fre)

SYMBOLISM (F2)

Manifest dream content, an aid to communication during analysis. Jones WL.
Am J Psychother 25:284-92, Apr 71
The rhythm of "pop" music. FitzHerbert J.
Br J Psychiatry 119:119, Jul 71
Projective visual imagery as a function of age and deafness. Youniss J, et al. Child Dev 41:215-24, Mar 70
Relation of some aspects of imagery and fantasy to hypnotic susceptibility. Sutcliffe JP, et al.
J Abnorm Psychol 76:279-87, Oct 70
Further validation of a Rorschach measure of oral imagery: a study of six clinical groups. Weiss L, et al.
J Abnorm Psychol 76:83-7, Aug 70
The analysis of metaphor. Voth HM.
J Am Psychoanal Assoc 18:599-621, Jul 70
Differential recall of paired associates as a function of arousal and concreteness-imagery levels. Butter MJ.
J Exp Psychol 84:252-6, May 70
Processing symbolic information from a visual display: interference from an irrelevant directional cue. Craft JL, et al. J Exp Psychol 83:415-20, Mar 70
A semantic differential study of the Yin-Yang symbol. Craddick RA, et al. J Pers Assess 35:338-43, Aug 71
A Semantic Differential investigation of sexually symbolic concepts: Freud and Jung. Althouse RH.
J Proj Tech Pers Assess 34:507-12, Dec 70
A further investigation of sexually symbolic concepts using the semantic differential technique. Archer GS, et al. J Proj Tech Pers Assess 34:369-72, Oct 70
Reply to Archer and Burgess on their investigation of symbolic concepts using the semantic differential technique. Craddick RA, et al.
J Proj Tech Pers Assess 34:373-4, Oct 70
A symbolic measure of authoritarianism: an exploratory study. Hogan HW.
J Soc Psychol 82:215-9, Dec 70
A symbolic measure of authoritarianism: a replication. Hogan HW. J Soc Psychol 80:241-2, Apr 70
Cognitive synthesis in Negro and white children. Farnham-Diggory S.
Monogr Soc Res Child Dev 35:1-84, Mar 70
Symbolic meaning of Rorschach cards II, IV and VII. Thakur GP, et al. Percept Mot Skills 32:190, Feb 71
Metaphor, mind, and manikin. Lewin BD.
Psychoanal Q 40:6-39, 1971
Symbols and symptoms: phytophobia in a two-year-old girl. Sarnoff CA. Psychoanal Q 39:550-62, 1970
Some thoughts on the symbolism of bullfights. Guarner E. Psychoanal Rev 57:18-28, 1970
Content analysis: TAT card 12BG--the rowboat as a symbol oor female body image and sexual activity. Mundy J. Psychol Rep 28:219-22, Feb 71
Influencing associative thinking and imagery as measured by the "fruit-tree experiment" in children's drawings. Adler LL.
Soc Sci Med 4:527-34, Dec 70
[The archetype: theoretical precision of the concept] Thivierge J. Laval Med 41:619-26, May 70 (Fre)
[The impulsive bases of phonation: the sounds] Fónagy I. Rev Fr Psychanal 34:101-36, Jan 70 (Fre)
[The light, symbol of the mother] Lacombe P.
Rev Fr Psychanal 34:141-51, Jan 70 (Fre)
[Interpretation as symbolic bond] Major R.
Rev Fr Psychanal 34:846-9, Sep 70 (Fre)
[The symbolization and its stumbling. Stolen letter or dead letter] Major R.
Rev Fr Psychanal 35:129-46, Jan 71 (Fre)
[Notes on the formation of the symbol] Segal H.
Rev Fr Psychanal 34:685-96, 1970 (Fre)
[Catathymic symbol experience in the psychotherapy of children and youth] Leuner H.
Prax Kinderpsychol Kinderpsychiatr 19:212-23, Aug-Sep 70 (Ger)
[Symbol and object] Beres D.
Psyche (Stuttg) 24:921-41, Dec 70 (Ger)
[Theory of symbolism] Jones E.
Psyche (Stuttg) 24:942-59, Dec 70 (Ger)
[Symbol, language confusion and understanding] Lorenzer A. Psyche (Stuttg) 24:895-920, Dec 70 (Ger)
[Utilization of the structural model and of "symbol" concept in psychoanalysis] Rosenkötter L.
Psyche (Stuttg) 24:641-56, Sep 70 (Ger)
[The teeth as a symbol, according to the myth of cadmos] McLuhan M.
Dent Cadmos 37:1735-6, Dec 69 (Ita)
[Parallel linguistic and psychopathological study of some disorders of verbal meaning in a case of initial schizophrenia] Fiume S, et al.
G Psichiatr Neuropatol 97:627-54, 1969 (Ita)
[The symbolical image in Freud and Jung (homeostatic function and propulsive function of the symbolic image)] Rabassini A.
Riv Sper Freniatr 94:1313-8, 31 Oct 70 (Ita)
[The ascent to the source theme (1969)] Rigo L.
Riv Sper Freniatr 94:1349-51, 31 Oct 70 (Ita)
[Static conception and dynamic conception of the symbolic image] Rigo L.
Riv Sper Freniatr 94:1339-48, 31 Oct 70 (Ita)

SYMMETREL see AMANTADINE (D3)

SYMPATHECTOMY (E4)

Ultrastructure of chronically denervated superior cervical ganglion in the cat and rat. Lakos I.
Acta Biol Acad Sci Hung 21:425-7, 1970
Lumbar sympathectomy for chronic occlusive arterial disease. Richards RL. Am Heart J 81:735-7, Jun 71
Regulatory responses of cerebral vasculature after sympathetic denervation. Waltz AG, et al.
Am J Physiol 221:298-302, Jul 71
Mycotic aneurysm of the left subclavian and vertebral arteries. A complication of cervicothoracic sympathectomy. Flye MW, et al.
Am J Surg 122:427-9, Sep 71
Effect of lumbar sympathectomy on muscle blood flow in advanced occlusive vascular disease. Smith RB 3d, et al. Am Surg 37:247-51, Apr 71
Effect of sympathectomy on the severely traumatized artery. Williams GD, et al. Arch Surg 101:704-7, Dec 70
Changes in catechol-O-methyl transferase activity in the rat submaxillary gland after surgical and pharmacological procedures. Broch OJ Jr, et al.
Br J Pharmacol 41:393P+, Feb 71
Role of sympathectomy for hyperhidrosis. Greenhalgh RM, et al. Br Med J 1:332-4, 6 Feb 71
Effect of superior cervical sympathectomy on experimentally induced intracranial hypertension. Owman C, et al. Brain Res 18:469-76, 17 Mar 70
Effects of immunosympathectomy on development of high blood pressure in genetically hypertensive rats. Clark DW. Circ Res 28:330-6, Mar 71
Effects of 6-hydroxydopamine on the canine sinus node. Elharrar V, et al. Circ Res 28:188-98, Feb 71
Arterial blood flow changes during lumbar sympathectomy measured by and electromagentic flowmeter. Lauridsen P. Dan Med Bull 18:49-56, Jun 71
Comparative effects of rapid thawing, low molecular dextran and sympathectomy in cold injury in the monkeys. Talwar JR, et al.
Indian J Med Res 59:242-50, Feb 71
Anterior segment chemical sympathectomy by 6-hydroxy-dopamine. I. Effect on intraocular pressure and facility of outflow. Holland MG, et al.
Invest Ophthalmol 10:120-43, Feb 71
Surgical treatment of myocardial ischemia with special reference to the value of nervous system operations. Arnulf G.
J Cardiovasc Surg (Torino) 12:241-2, May-Jun 71
Trans-septal approach for Vidian neurectomy. Minnis NL, et al. J Laryngol Otol 85:255-60, Mar 71
Paraplegia following thoracolumbar sympathectomy. Case report. Shallat RF, et al.
J Neurosurg 34:569-71, Apr 71
Changes in monoamine oxidase and catechol-0-methyl transferase activities after denervation of the nictitating membrane of the cat. Jarrott B, et al.
J Physiol (Lond) 212:549-59, Jan 71
Direct measurement of external iliac artery blood flow in the awake unmedicated primate (rhesus monkey): effect of sympathectomy. Cuthbertson EM, et al.
J Surg Res 11:18-22, Jan 71
Splanchnicectomy in chronic pancreatitis: application and effect. Vossschulte K, et al.
Minn Med 53:1053-9, Oct 70
Chemical sympathectomy in newborn animals. Angeletti PU. Neuropharmacology 10:55-9, Jan 71
Surgical treatment of severe hyperidrosis. Ellis H, et al.
Proc R Soc Med 64:768-70, Jul 71
Serum dopamine- -hydroxylase: decrease after chemical sympathectomy. Weinshilboum R, et al.
Science 173:931-4, 3 Sep 71
Upper thoracic sympathectomy: surgical technique. Cloward RB. Surgery 66:1130-6, Dec 69
Extremity blood flow and distribution: the effects of arterial occlusion, sympathectomy, and exercise. Rutherford RB, et al. Surgery 69:332-44, Mar 71
Increase of dermal blood flow after sympathectomy as measured by radioactive sodium uptake. Herman BE, et al. Vasc Surg 4:161-3, Sep 70
Noradrenalin content and ultrastructure of adrenergic nerves of rabbit iris after sympathectomy and hypoxia. Blümcke S, et al.
Virchows Arch [Zellpathol] 6:281-93, 1970
[Indication for arteriectomy and periarterial sympathectomy in diseases of the arteries of the leg] Fedinec AV, et al.
Bratisl Lek Listy 55:641-4, Jun 71 (Cse)
[Surgical treatment of hyperhidrosis] Koch PW, et al.
Ned Tijdschr Geneeskd 115:107-11, 16 Jan 71 (Dut)
[Anatomo-physiologic basis of sympathetic operations for vascular syndromes of the upper limb] Arnulf G.
Angeiologie 23:25-9, Jan-Feb 71 (Fre)

[The sympatho-galvanic reflex (SGR) and sympathectomy] Boucher JR, et al.
Can Anaesth Soc J 17:504-15, Sep 70 (Fre)
[Sympatho-adrenalectomy in essential malignant hypertension] Ribet M, et al.
Lille Med 15:1253-8, Nov 70 (Fre)
[Cervico-thoracic sympathectomy by transaxillary approach (Atkins' operation)] Benedini M.
Mem Acad Chir (Paris) 95:728-32, 1969 (Fre)
[Sympatho-adrenalectomy in malignant essential hypertension] Ribet M, et al.
Presse Med 79:14, 2 Jan 71 (Fre)
[Lumbar sympathectomy in atherosclerosis. Statistical study of a series of 106 cases] Langeron P, et al.
Therapeutique 47:63-70, Jan 71 (Fre)
[Experimental studies with xenon 133 of muscular circulation after lumbal sympathectomy] Kiss T, et al.
Bruns Beitr Klin Chir 218:476-80, Feb 71 (Ger)
[Changes of the intramural nervous system following surgery of arteries. Experimental studies] Gottlob R, et al. Langenbecks Arch Chir 322:997-9, 1968 (Ger)
[Influence of the sympathetic nervous system in reno-vascular hypertension] Guazzi M.
Boll Soc Ital Biol Sper 45:368-71, 31 Mar 69 (Ita)
[Cervico-thoracic sympathectomy in the therapy of arteriopathies of the arm] Caprini A, et al.
Osp Ital Chir 21:33-48, Jul 69 (Ita)
[Studies of the behavior of collagen as an index of the regenerative activity of the liver in various experimental conditions. II. Hepatic regeneration after partial hepatectomy associated with ligation of the hepatic artery and periarterial sympathectomy] Pirozzi V, et al.
Osp Ital Chir 22:237-41, May-Jun 70 (Ita)
[Current status of surgery of the sympathetic nervous system in the treatment of chronic obstructive arteriopathies of the limbs. Criteria to determine the validity of the method] Lanzara A, et al.
Recent Progr Med (Roma) 49:45-60, Jul 70 (Ita)
[Experimental studies of the so called "borrowing lending" phenomenon] Tachiwada M.
Acta Med (Fukuoka) 40:178-97, Mar 70 (Jap)
[Effect of cervical vagosympathectomy on the volume of body fluids in dogs] Sobocińska J.
Acta Physiol Pol 21:657-62, Sep-Oct 70 (Pol)
[Remote results of lumbar sympathectomy and adrenalectomy performed in the treatment of obliterative arteritis of the lower extremities] Nowicki S, et al. Pol Przegl Chir 43:47-50, Jan 71 (Pol)
[Treatment of endarteritis obliterans by means of sympathectomy of the lower limbs] Smolarek F, et al.
Pol Przegl Chir 43:589-94, 1971 (Pol)
[Effect of lumbar sympathectomy on blood alanine aminotransferase activity in patients with arteritis obliterans and arteriosclerosis obliterans of the lower extremities] Bogdanowski T.
Pol Tyg Lek 26:981-3, 28 Jun 71 (Pol)
[Tissue clearance of I-131 after sympathectomy] Lukasiewicz S. Pol Tyg Lek 26:203-6, 8 Jul 71 (Pol)
[Effect of sympathectomy on the bioelectric activity of the rabbit eye] Shostak VI, et al.
Fiziol Zh SSSR 57:410-3, Mar 71 (Rus)
[Partial desympathization of the portocaval system in portal hypertension] Efimishin NS.
Khirurgiia (Mosk) 46:81-6, Nov 70 (Rus)
[In defense of sympathectomy in several vascular diseases] Labbok AI, et al.
Khirurgiia (Mosk) 46:126-30, Sep 70 (Rus)
[Effect of preganglionic sympathectomy on appearance of chromosome aberrations and mitotic activity in corneal epithelium of mice] Polianskaia GG.
Tsitologiia 12:790-4, 1970 (Rus)
[Supraclavicular sympathectomy in Raynaud's disease] Tiunder EO, et al. Vestn Khir 105:123-4, Aug 70 (Rus)
[Effects of lumbar sympathectomy, determined by electromagnetic rheometry, in occlusive arteriopathies in the aged] Vara Lopez R, et al.
Prensa Med Argent 57:429-30, May 70 (Spa)
[Changes in endocrine dynamics after different types of adenohypophysial denervation] Soler Viñolo J.
Rev Iber Endocrinol 16:373-86, Sep-Oct 69 (Spa)

ADVERSE EFFECTS

Post lumbar sympathectomy gangrene. Balas P, et al.
Angiology 21:552-6, Sep 70

VETERINARY

Location of retrograde changes in the nervous system following unilateral lympathectomy in sheep. Weiento J.
Zentralbl Veterinaermed [A] 16:834-7, Nov 69

SYMPATHETIC GANGLIA see under GANGLIA, AUTONOMIC (A8)

SYMPATHETIC NERVOUS SYSTEM (A8)

Posttraumatic sympathetic dystrophy. Dissociation of pain and vasomotor changes. Guntheroth WG, et al.
Am J Dis Child 121:511-4, Jun 71
Capillary PO2 as a measure of sympathetic blockade. Bridenbaugh PO, et al.
Anesth Analg (Cleve) 50:26-30, Jan-Feb 71
The role of the tryptophan residues in the activity of the nerve growth factor. Angeletti RH.
Biochim Biophys Acta 214:478-82, 29 Sep 70
Adrenoceptors of the chick rectum. Bartlet AL, et al.
Br J Pharmacol 39:817-21, Aug 70
Effect of cervical sympathetic stimulation on accommodation in guanethidine-treated monkeys. Törnqvist G. Invest Ophthalmol 9:765-8, Oct 70
Synaptic vesicles in sympathetic neurons. Geffen LB, et al. Physiol Rev 51:98-157, Jan 71 (423 ref.)
Neuropathy of the sympathetic nervous system associated with diabetes mellitus. Ozeran RS, et al.
Surgery 68:953-8, Dec 70
[Inhibition of the electric activity of the circular layer of rabbit duodenum, in vitro, by stimulation of the periarterial sympathetic fibers of mesentery] Gonella J, et al.
C R Acad Sci [D] (Paris) 273:214-7, 12 Jul 71 (Fre)
[Neuroblastoma sympathicum (3 cases)] Schmid E. Schweiz Arch Neurol Neurochir Psychiatr 107:261-89, 1970 (Ger)
[Cholinergic and adrenergic fibers of the rat circumvallate papilla. Histochemical study] Brizzi E.
Boll Soc Ital Biol Sper 45:1519-21, 15 Dec 69 (Ita)
[Distribution of the cholinergic and adrenergic innervation, of histamine and 5-hydroxytryptamine in the rat thyroid gland] Catini C.
Boll Soc Ital Biol Sper 45:1523, 15 Dec 69 (Ita)
[Influence of the sympathetic nervous system in reno-vascular hypertension] Guazzi M.
Boll Soc Ital Biol Sper 45:368-71, 31 Mar 69 (Ita)
[Distribution of the adrenergic terminal reticulum in rat seminal vesicles in ordinary and experimental conditions] Pacini P.
Boll Soc Ital Biol Sper 45:1530-2, 15 Dec 69 (Ita)
[Study of adrenergic receptors of the lower third of the human esophagus and cardia] Siro-Brigiani G, et al.
Boll Soc Ital Biol Sper 47:20-1, 15 Jan 71 (Ita)
[Neri-Barrè-Lieou syndrome] Bartolini G.
G Clin Med 50:437-44, May 69 (Ita)
[Adrenergic receptor in the area of the ruminal and femoral arteries in sheep] Garbuliński T, et al.
Acta Physiol Pol 21:173-83, Mar-Apr 70 (Pol)
[Adrenergic receptors and their blockade] Chlebus H.
Kardiol Pol 14:77-85, 1971 (46 ref.) (Pol)
[Barre-Lieou syndrome (Terracol's syndrome and Leri's syndrome)] Alves OC, et al.
Hospital (Rio de J) 76:967-71, Sep 69 (Por)
[Mutual arrangement of choline receptors on the membrane of neurons in gastropods and the cholinesterase activity of neurons] Vul'fius EA, et al.
Dokl Akad Nauk SSSR 186:1445-8, 27 Jun 69 (Rus)
[Diagnostic errors in lesions of the autonomic nervous system] Toiubaev NS.
Klin Med (Mosk) 48:132-3, Sep 70 (Rus)
[Some autonomic tests in thoracic sympathetic trunculitis] Sokolov VA.
Zh Nevropatol Psikhiatr 70:999-1001, 1970 (Rus)

ANALYSIS

Biochemistry of catecholamine storage: a comparison between sympathetic nerve trunk and adrenomedullary vesicles. Helle KB, et al.
Acta Physiol Scand 80:7A-8A, Dec 70
Catecholamine fluorescence studies of adrenergic neurons and chromaffin cells in sympathetic ganglia. Jacobowitz D. Fed Proc 29:1929-44, Nov-Dec 70
The storage of endogenous noradrenaline in sympathetic nerve terminals. Bisby MA, et al.
J Physiol (Lond) 215:163-79, May 71
Immunohistochemical demonstration of a membrane protein of chromaffin granules in adrenal medulla and symphathetic nerve. Asamer H, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:87-9, 1971
The innervation of the frog's heart. II. The effects of axotomy on the adrenaline content of the sympathetic nerve fibres. Woods RI.
Proc R Soc Lond [Biol] 176:55-61, 13 Oct 70
[The role of some nucleoside-phosphates and phosphatases for the accumulation of catecholamines in adrenergic nerve endings] Gajó M, et al.
J Neurovisc Relat 32:11-24, 1970 (Ger)

ANATOMY & HISTOLOGY

Adrenergic innervation of the ileum of the cat. Silva DG, et al. Am J Physiol 220:347-52, Feb 71
Postdiaphragmatic disposition of the pars sympathica and major autonomic ganglia of the horse (Equus caballus). Ghoshal NG, et al.
Am J Vet Res 31:1951-61, Nov 70
Comparative histochemical studies of adrenergic nerves in the enteric plexuses of vertebrate large intestine. Read JB, et al.
Comp Biochem Physiol 27:505-17, Nov 68
Variation between species in the innervation of intra-testicular blood vessels. Dayan AD.
Experientia 26:1359-60, 15 Dec 70
Synapses of adrenergic fibres. Gabella G.
Experientia 27:280-1, 15 Mar 71
Direct autonomic nerve fibers to the renal medulla in man. Munkacsi I, et al. Experientia 27:175-7, 15 Feb 71
Short adrenergic neurons innervating the female urethra of the cat. Owman C, et al.
Experientia 27:313-5, 15 Mar 71
On neurosecretory and adrenergic fibers in the intermediate lobe of the hypophysis in albino mice. Belenky MA, et al.
Gen Comp Endocrinol 15:185-97, Oct 70
Localization of adrenergic fibers in the amphibian pars intermedia by electron microscope autoradiography and their selective removal by 6-hydroxydopamine. Hopkins CR. Gen Comp Endocrinol 16:112-20, Feb 71
The adrenergic receptors in the cardiovascular system of the frog. Pradhan S.
Indian J Med Sci 25:170-4, Mar 71
Beta-adrenergic receptors in the hypothalamus for learned and unlearned taste aversions. Margules DL.
J Comp Physiol Psychol 73:13-21, Oct 70
Alpha-adrenergic receptors in hypothalamus for the suppression of feeding behavior by satiety. Margules DL. J Comp Physiol Psychol 73:1-12, Oct 70
Correlation of norepinephrine content with observations of adrenergic nerves after a single dose of 6-hydroxydopamine in the rat. Goldman H, et al.
J Pharmacol Exp Ther 176:119-33, Jan 71
Chemical and histochemical studies on the sympathetic innervation of the vas deferens and seminal vesicle of the guinea pig. Wakade AR, et al.
J Pharmacol Exp Ther 178:432-41, Sep 71
Postdiaphragmatic disposition of the pars sympathica and major autonomic ganglia of the ox (Bos taurus). Ghoshal NG, et al. Jap J Vet Sci 32:285-94, Dec 70
Absence of adrenergic nerves in the human placenta. Walker DW, et al. Nature (Lond) 229:344-5, 29 Jan 71
Depletion of ventricular catecholamine levels following peripulmonary neurectomy. Kaye MP, et al.
Proc Soc Exp Biol Med 135:844-8, Dec 70
Sex difference in the number of the sympathetic neurons in the spinal cord of the cat. Calaresu FR, et al. Science 173:343-4, 23 Jul 71
The distribution of adrenergic nerve fibers in the intramuscular blood vessels of the lower extremities in man. Lempinen M. Vasc Surg 2:88-93, Jun 68
Adrenergic innervation of the oesophagus in the cat (Felis domestica) and Rhesus monkey (Macacus rhesus). Baumgarten HG, et al.
Z Zellforsch Mikrosk Anat 95:529-45, 1969
A comparative study of the adrenergic nerves to the anterior eye segment of some primates. Ehinger B.
Z Zellforsch Mikrosk Anat 116:157-77, 1971
The adrenergic innervation of the vessels supplying and draining the gastrointestinal tract. Furness JB.
Z Zellforsch Mikrosk Anat 113:67-82, 1971
[Clinical importance of the demonstration of adrenergic autonomous nerves in the human gingiva] Raab H. Osterr Z Stomatol 67:381-90, Oct 70 (Ger)
[The adrenergic innervation of the liver] Daneo Sisto L. Boll Soc Ital Biol Sper 45:555-6, 15 May 69 (Ita)
[Adrenergic innervation of the kidney] Daneo Sisto L, et al. Boll Soc Ital Biol Sper 45:553-5, 15 May 69 (Ita)
[Release and biosynthesis of noradrenaline in the organs controlled by the nervous system] Ando N.
Folia Pharmacol Jap 66:530-50, 20 Sep 70 (Jap)
[Clinico-anatomical observations on the connection between the sciatic nerve root and the sympathetic rami] Nishimura S.
Nippon Ika Daigaku Zasshi 38:21-9, Feb 71 (Jap)
[Sacral portion of the sympathetic trunk in catarrhine monkeys] Prejzner-Morawska A.
Folia Morphol (Warsz) 30:207-17, 1971 (Pol)
[Adrenergic innervation of the abdominal aorta and kidney] Mingazova IV, et al.
Arkh Anat Gistol Embriol 59:77-82, Aug 70 (Rus)
[Adrenergic innervation and distribution of cholinesterase in the human ovary] Semenova II.
Biull Eksp Biol Med 68:103-6, Jun 69 (Rus)
[Adrenergic neurons in the composition of intramural heart ganglia in mammals] Krokhina EM, et al.
Dokl Akad Nauk SSSR 196:211-3, Jan-Feb 71 (Rus)

CYTOLOGY

In pursuit of the alpha-adrenoceptor: a fine-structural and electron autoradiographic study using 3H-phenoxybenzamine and smooth muscle from the cat and guinea-pig. Graham JD, et al.
Br J Pharmacol 41:278-84, Feb 71
Sympathetic innervation of vascular smooth muscle in normal and hypertensive animals. Burnstock G, et al.
Circ Res 27:Suppl 2:5-23, Oct 70
Effect of stimulation on synaptic vesicles in the superior cervical ganglion of the cat. Friesen AJ, et al.
Experientia 27:285-7, 15 Mar 71
Aspects of the arrangement of the adrenergic innervation in guinea-pig as revealed by the fluorescence histochemical method applied to stretched, air-dried preparations. Furness JB, et al.
Histochemie 25:297-309, 1971
Enhancement of the granulation of adrenergic storage

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vesicles in drug-free solution. Iwayama T, et al. J Cell Biol 48:699-703, Mar 71

Fluorescence histochemical investigation on the adrenergic innervation of the white adipose tissue in the rat. Diculescu I, et al. J Neurovisc Relat 32:25-36, 1970

Adrenergic and cholnergic innervation of the reproductive tract and ovary in the guinea-pig and rabbit. Jordan SM. J Physiol (Lond) 210:115P+, Sep 70

Ultrastructural changes in sympathetic neurons of newborn and adult mice treated with nerve growth factor. Angeletti PU, et al. J Ultrastruct Res 36:24-36, Jul 71

An electron microscopic study of noradrenaline storage vesicles isolated from bovine splenic nerve trunk. Klein RL, et al. J Ultrastruct Res 34:473-91, Mar 71

Hormonal influence on the differentiation of nerve cells of sympathetic and parasympathetic nervous system. Korochkin LI, et al. Z Mikrosk Anat Forsch 82:293-321, 1970

Terminal axons ensheathed in smooth muscle cells of the vas deferens. Furness JB, et al. Z Zellforsch Mikrosk Anat 113:259-70, 1971

Electron microscopic investigation of adrenergic and non-adrenergic axons in the rabbit SA-node. Nilsson E, et al. Z Zellforsch Mikrosk Anat 111:404-12, 1970

[Morphological evidence for the sympathetic innervation of brown adipose tissue of the rat. A fluorescence and electron microscopic study] Ochi J, et al. Z Anat Entwicklungsgesch 129:259-67, 1969 (Ger)

[Fine structure of paraganglionic tissue in the suprarenal plexus of the guinea pig] Böck P. Z Zellforsch Mikrosk Anat 105:389-404, 1970 (Ger)

[Histochemical studies on the adrenergic innervation of the chamber angles in the monkey's eye] Kumura H. Acta Soc Ophthalmol Jap 75:303-8, 20 Jan 71 (Jap)

[Fine structure of short-and long-ciliary nerve fibers and sympathetic nerve fibers] Tobari I. Acta Soc Ophthalmol Jap 75:728-38, 20 Jan 71 (Jap)

[Adrenergic innervation of the cat spleen] Zelenova IG. Arkh Anat Gistol Embriol 60:88-90, 1971 (Rus)

DRUG EFFECTS

Antagonism by calcium of the inhibitory action of prostaglandin E2 on sympathetic neurotransmission in the cat spleen. Hedqvist P. Acta Physiol Scand 80:269-75, Oct 70

Effects of some adrenergic neuron blockers, related quaternary ammonium compounds and guanidine derivatives on degenerating adrenergic nerves in the conscious rat. Lundberg D. Acta Physiol Scand 80:323-44, Nov 70

Potentiation by various smooth muscle stimulants of an isolated sympathetic nerve-seminal vesicle preparation from the guinea-pig. Sjöstrand NO, et al. Acta Physiol Scand 80:172-7, Oct 70

Studies on the effect of prostaglandins E1 and E2 on the sympathetic neuromuscular transmission in some animal tissues. Hedqvist P. Acta Physiol Scand [Suppl] 345:Suppl 345:1+, 1970

Atrial frequency force relations after loading the sympathetic nerves with epinephrine. Bloomquist EI, et al. Arch Int Physiol Biochim 78:43-57, Feb 70

Hyperdynamic beta-adrenergic circulatory state. An overview. Frohlich ED, et al. Arch Intern Med 126:1068-9, Dec 70

Specific cytotoxic effect of 6-hydroxydopamine on sympathetic neuroblasts. Angeletti PU, et al. Arch Ital Biol 108:213-21, Apr 70

Response of mesenteric blood flow to glucagon. Influence of pharmacological stimulation and blockade of adrenergic receptors. Tibblin S, et al. Arch Surg 102:65-70, Jan 71

Effects of droperidol on the vasoconstriction produced by noradrenaline, histamine, sympathetic nerve stimulation and potassium ions in the isolated rabbit auricular artery. Puddy BR. Br J Anaesth 43:441-4, May 71

Relative susceptibility of peripheral sympathetic nerves to adrenergic neurone blockade by bethanidine. Armstrong JM, et al. Br J Pharmacol 40:551P+, Nov 70

Mechanism of the hypotensive action of methyldopa in normal and immunosympathectomized rats. Ayitey-Smith E, et al. Br J Pharmacol 40:188-93, Oct 70

Effects of progesterone on cardiovascular responses to amines and to sympathetic stimulation in the pithed rat. Fozard JR. Br J Pharmacol 41:187-97, Feb 71

Factors affecting the action of guanethidine on adrenergic neurones. Gulati OD, et al. Br J Pharmacol 42:352-63, Jul 71

Adrenoceptors in the human foetal small intestine. Hart SL, et al. Br J Pharmacol 41:567-9, Mar 71

Evidence that angiotensin enhances transmitter release during sympathetic nerve stimulation. Hughes J, et al. Br J Pharmacol 41:239-55, Feb 71

Effects of chronic metaraminol treatment on the sympathetic activity of intact and adrenal demedullated rats kept in warm or cold environments. Johnson GE, et al. Br J Pharmacol 40:418-25, Nov 70

Effects of angiotensin and noradrenaline on discharge in fibres of the cervical sympathetic nerve in cats and dogs. Morrison JF, et al. Br J Pharmacol 41:674-82, Apr 71

Effects of McN-A-343 on responses induced by sympathetic nerve stimulation in the rabbit isolated ear artery. Rand MJ, et al. Br J Pharmacol 40:158P+, Sep 70

The effect of halothane on preganglionic and postganglionic sympathetic activity in the cat. Pisko E, et al. Brain Res 20:330-4, 3 Jun 70

Attenuation of postganglionic sympathetic nerve activity by L-dopa. Whitsett TL, et al. Circ Res 27:561-70, Oct 70

Prolonged hypotension and ultrastructural changes in sympathetic neurones following guanacline treatment. Burnstock G, et al. Eur J Pharmacol 13:175-87, Jan 71

Reflex vascular responses to vasoactive substances. Li DM, et al. Eur J Pharmacol 12:203-14, Oct 70

The influence of sympathetic nervous activity on the antiarrhythmic efficacy of diphenylhydantoin. Raines A, et al. Eur J Pharmacol 11:293-7, 1970

Analysis of the actions of alprenolol and propranolol on the beta adrenergic receptors controlling heart rate in the anaesthetized cat. Ablad B, et al. Eur J Immunol 14:319-32, May 71

Depletion and repletion of noradrenaline in adrenergic nerves of the rat after decaborane treatment. Malmfors T, et al. Experientia 27:417-9, 15 Apr 71

6-hydroxydopamine, 6-hydroxydopa and degeneration of adrenergic nerves. Champlain J de, et al. Fed Proc 30:877-85, May-Jun 71

Adrenergic neurone blockade with chloroquine and amodiaquine. Jindal MN. Indian J Med Res 58:1050-6, Aug 70

Inhibitory effect of propranolol on the vasoconstrictor response to sympathetic nerve stimulation. Ablad B, et al. J Pharm Pharmacol 22:627-8, Aug 70

Adrenergic neuron blocking properties of (plus or minus)-propranolol and (plus)-propranolol. Barrett AM, et al. J Pharm Pharmacol 22:806-10, Nov 70

Sympathomimetic action of tetanus toxin. Reddy PP, et al. J Pharm Pharmacol 22:464, Jun 70

Blockade of adrenergic transmission by dehydroemetine. Salako LA. J Pharm Pharmacol 22:938-9, Dec 70

The effects of calcium on adrenergic neuron blockade. Wilson J. J Pharm Pharmacol 22:561-7, Aug 70

Correlation of norepinephrine content with observations of adrenergic nerves after a single dose of 6-hydroxydopamine in the rat. Goldman H, et al. J Pharmacol Exp Ther 176:119-33, Jan 71

Early pre- and postjunctional effects of 6-hydroxydopamine. Haeusler G. J Pharmacol Exp Ther 178:49-62, Jul 71

Greater effectiveness of phenoxybenzamine in blocking vasoconstrictor responses to central sympathetic stimulation than to norepinephrine administration in the cat. Miranda PM, et al. J Pharmacol Exp Ther 175:600-8, Dec 70

Effects of basal anesthesia on the response of sympathetic nervous activity and barostatic reflexes to a subsequent administration of halothane. Skovsted P, et al. J Pharmacol Exp Ther 175:183-8, Oct 70

Effect of anticholinesterases on the response to stimulation of adrenergic fibres. Burn JH, et al. J Physiol (Lond) 208:82P-83P, Jun 70

Autonomic connexions of the area postrema in the central cardiovascular response to angiotensin II. Joy MD. J Physiol (Lond) 213:65P-66P, Mar 71

Sex differences in the changes in sympathetic nerve activity when arterial pressure is raised by infusion of angiotensin and noradrenaline. Morrison JF, et al. J Physiol (Lond) 216:69-85, Jul 71

Activation of central sympathetic neurons by angiotensin II. Keim KL, et al. Life Sci [I] 10:565-74, 15 May 71

The inhibitory and excitatory properties of alpha adrenoceptors in the rat stomach. Ogle CW, et al. Life Sci [I] 10:153-9, 1 Feb 71

Inhibition of the release of adrenergic transmitter by a fatty acid in the perfusate from sympathetically stimulated rabbit heart. Wennmalm A, et al. Life Sci [I] 10:471-9, 15 Apr 71

Prostaglandin E1 as inhibitor of the sympathetic neuroffector system in the rabbit heart. Wennmalm A, et al. Life Sci [I] 9:931-7, 15 Aug 70

Inhibition of spontaneous sympathetic nerve activity by the antihypertensive agent Wy-8678. Baum T, et al. Neuropharmacology 9:503-6, Sep 70

Some haemodynamic effects of LB 46 (Visken). Smyth AJ, et al. NZ Med J 73:246-7, Oct 70

The chemistry of guanidines and their actions at adrenergic nerve endings. Durant GJ, et al. Progr Med Chem 7:124-213, 1970 (480 ref.)

Abolished sympathetic stimulating effect of angiotensin in rabbits immunized with angiotensin-II. Aars H, et al. Scand J Clin Lab Invest 27:47-9, Feb 71

[Mechanism of sympathetic nervous system stimulating effects of ether] Skovsted P. Nord Med 84:1635-6, 17 Dec 70 (Dan)

[Treatments of the sympathetic factor of hyperthyroidism] Albeaux-Fernet M, et al. Annee Endocrinol 22:60-8, 1970 (Fre)

[Action of N-dimethyldiphenoxyethylamine on the resorption of norepinephrine by sympathetic nerve endings] Vagne A, et al. C R Soc Biol (Paris) 164:1769-71, 1970 (Fre)

[Study of the non-specific pharmacodynamic action of certain pituitary and thyroid hormones on the neuroadrenergic system] Simionescu S, et al. Rev Roum Physiol 7:123-40, 1970 (Fre)

[Development of adrenergic reactivity as a function of the state of thyroid impregnation of the organism] Escousse A, et al. Therapie 26:129-40, Jan-Feb 71 (Fre)

[New pharmacological method of treatment of peripheral arteritis. II. Mechanism of action of ET 495: 1-(2"-pyrimidyl)-4-(3',4'-methylenedioxybenzyl)piperazine] Schmitt H, et al. Therapie 24:555-66, May-Jun 69 (Fre)

[Action of angiotensin on the sympathetic nervous system] Panisset JC, et al. Union Med Can 97:1220-5, Sep 68 (Fre)

[Studies on the block of alpha- and beta-receptors of the iris muscles in the dog eye innervated by the sympathicus nerve] Goldschmidt M. Albrecht von Graefes Arch Klin Ophthalmol 180:140-6, 1970 (Ger)

[Central vagus and sympathetic-stimulating effects of cyanide and its significance for the circulation] Tauberger G. Arch Int Pharmacodyn Ther 188:61-6, Nov 70 (Ger)

[Pharmacological central sympathicus block before and during experimental hemorrhagic shock] Allenberg JR, et al. Arzneim Forsch 20:Suppl 11a:1675+, Nov 70 (Ger)

[Effect of 1-(4-oxyphenyl)-2n-butylamino-ethanone hydrochloride (BON) on blood circulation. 3. Effect on the sympathetic nerve fibres of the heart and kidneys] Fedina L, et al. Arzneim Forsch 20:Suppl 11a:1656+, Nov 70 (Ger)

[Central nervous activity changes induced by a "sympathicomiotic" substance] Holm E, et al. Arzneim Forsch 20:Suppl 11a:1671+, Nov 70 (Ger)

[Effects of chlorimipramine on electric activities of subcortical cervical regions and of sympathetic nerves] Holm E, et al. Arzneim Forsch 20:896-901, Jul 70 (Ger)

[Electrophysiological analysis of the site of action of 1-(4-oxyphenyl)-2n-butylamino-ethanone hydrochloride] Kovách AG, et al. Arzneim Forsch 20:Suppl 11a:1686+, Nov 70 (Ger)

[Central sympathicus suppression and adrenolytic effect of genuine and hydrated ergot alkaloids] Krause D, et al. Dtsch Tieraerztl Wochenschr 78:292-4, 15 May 71 (Ger)

[Peripheral sympathetic depressant effect of clonidine] Starke K, et al. Experientia 27:70-1, 15 Jan 71 (Ger)

[Modification of the hypersympathicotonus in menopause by beta-receptor inhibition] Geriach E. Med Monatsschr 24:217-21, May 70 (Ger)

[Mechanism of action of angiotensin on postganglionic sympathetic nerves] Starke K, et al. Naunyn Schmiedebergs Arch Pharmakol 266:458-9, 1970 (Ger)

[Central nervous sympathetic depressant effects of alpha-methyldopa] Tauberger G, et al. Naunyn Schmiedebergs Arch Pharmakol 268:33-43, 1971 (Ger)

[Behavior of the sympathicoadrenal system following intravenous administration of diuretics] Hennemann H, et al. Verh Dtsch Ges Inn Med 75:123-7, 1969 (Ger)

[Ganglion stellatum- and sympathetic nerve block in otorhinolaryngology] Leicher H. Z Laryngol Rhinol Otol 49:703-33, Nov 70 (210 ref.) (Ger)

[Effects of colchicine on adrenergic fibers of intestinal nerve plexuses] Costa M, et al. Boll Soc Ital Biol Sper 46:865-7, 15 Nov 70 (Ita)

[Effects of pyrithiamine and oxythiamine on the amplitude of the action potentials and conduction velocity of the fibers of the cervical sympathetic trunk in the rat] Sacchi O, et al. Boll Soc Ital Biol Sper 45:1597-601, 31 Dec 69 (Ita)

[Transmission of nerve impulses in the superior cervical ganglion of the rat treated with pyrithiamine] Sacchi O, et al. Boll Soc Ital Biol Sper 45:1594-7, 31 Dec 69 (Ita)

[Pharmacological properties of heterocyclic amidine derivatives. 3. Effects of 1-phenyl-4-guanylpiperazine sulfate (PGP) derivatives on the sympathetic nervous system and drug interaction to tyramine] Ozawa H, et al. J Pharm Soc Jap 90:1563-9, Dec 70 (Jap)

[Effects of fibrinogen degradation products on the alpha and beta receptors of the adrenergic system of the uterus in rats] Maloflejew M. Ginekol Pol 41:1073-7, Oct 70 (Pol)

[Effect of estrogens upon the function of the adrenergic system receptors in rat's myometrium] Urban J. Ginekol Pol 42:303-6, 1971 (Pol)

[On the ganglioplegic effect of a hydrazinopyridazine derivative with hypotensive properties] Bobulescu V. Fiziol Norm Patol 17:269-76, 1971 (Rum)

[Specificity of elimination by trypsin of dibenamine block of alpha-adrenoreceptors] Abramets II. Biull Eksp Biol Med 70:75-7, Nov 70 (Rus)

[Analysis of the adrenoreceptors of frog and rat

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

myocardium at different temperatures] Abramets II, et al. Biull Eksp Biol Med 70:48-50, Dec 70 (Rus)
[The effect of tetramethylammonium iodide and trimethylamine hydrochloride on postganglionic sympathetic nerve fibers] Avakian OM, et al. Biull Eksp Biol Med 65:71-4, May 68 (Rus)
[The effect of various hypotensive agents on the liberation and deposition of pressor amines] Cherkes AI, et al. Biull Eksp Biol Med 63:91-5, Nov 67 (Rus)
[Significance of peripheral catecholamine mechanisms in effecting a reserpine-induced central activation of the pituitary-adrenal system] Rasin MS, et al. Biull Eksp Biol Med 70:51-4, Dec 70 (Rus)
[Change in sympathetic and parasympathetic reactions in neuroleptanalgesia with myorelaxants and artificial ventilation of the lungs] Padalko VV, et al. Eksp Khir Anesteziol 15:72-6, Mar-Apr 70 (Rus)
[Excitation of sympathetic postganglionic fibers following the action of potassium chloride and acetylcholine on membranes of the heart] Khaiutin VM, et al. Fiziol Zh SSSR 56:84-94, Jan 70 (Rus)
[Modeling of the interaction of catecholamines with alpha-adrenoreceptors] Manukhin BN, et al. Fiziol Zh SSSR 57:373-9, Mar 71 (Rus)
[Tyramine tachyphylaxis; its recovery and interaction with enzyme inhibitors in arterial pressure and cat nictitating membrane] Lorenzo Fernandez P, et al. Arch Inst Farmacol Exp (Madr) 21:11-42, 1969 (Spa)

EMBRYOLOGY

Ontogenesis of peripheral adrenergic neurons in the rat: pre- and postnatal observations. De Champlain J, et al. Acta Physiol Scand 80:276-88, Oct 70
The sacral part of the sympathetic trunk in human fetuses and newborns. Wozniak W, et al. Arch Anat Histol Embryol (Strasb) 52:33-42, 1969
On the development of the sympathetic chain and the adrenal medulla in the mouse. Fernholm M. Z Anat Entwicklungsgesch 133:305-17, 1971
Development of the ocular adrenergic nerve supply in man and guinea-pig. Ehinger B, et al. Z Zellforsch Mikrosk Anat 118:579-92, Jul 71
Histochemical and chemical studies on pre- and postnatal development of the different systems of "short" and "long" adrenergic neurons in peripheral organs of the rat. Owman C, et al. Z Zellforsch Mikrosk Anat 116:319-41, 1971

ENZYMOLOGY

Monoamine oxidase: an approximation of turnover rates. Goridis C, et al. J Neurochem 18:1673-82, Sep 71
Occurrence and properties of catechol-O-methyl transferase in adrenergic neurons. Jarrott B. J Neurochem 18:17-27, Jan 71
Occurrence and properties of monoamine oxidase in adrenergic neurons. Jarrott B. J Neurochem 18:7-16, Jan 71
Histochemical evidence for a cholinergic sympathetic innervation of the rat pineal body. Machado AS, et al. J Neurovisc Relat 32:104-11, 1971
Effects of 6-hydroxydopamine on the activity of tyrosine hydroxylase and dopamine- -hydroxylase in sympathetic ganglia of the rat. Brimijoin S, et al. J Pharmacol Exp Ther 178:417-24, Sep 71
A sensitive enzymatic assay for dopamine- -hydroxylase. Molinoff PB, et al. J Pharmacol Exp Ther 178:425-31, Sep 71
Differences in the regulation of tyrosine hydroxylase and dopa decarboxylase in sympathetic ganglia and adrenals. Black IB, et al. Nature [New Biol] 231:27-9, 5 May 71

GROWTH & DEVELOPMENT

Mode of regeneration of adrenergic nerves. Olson L. Acta Physiol Scand 17-8, 1970
Growth characteristics of adrenergic nerves in the adult rat. Fluorescence histochemical and 3H-noradrenaline uptake studies using tissue transplantations to the anterior chamber of the eye. Olson L, et al. Acta Physiol Scand 1-111, 1970
The development of adrenergic uptake mechanism in rabbit blood vessels. Bevan RD. Life Sci [I] 10:325-31, 15 Mar 71
Histochemical and chemical studies on pre- and postnatal development of the different systems of "short" and "long" adrenergic neurons in peripheral organs of the rat. Owman C, et al. Z Zellforsch Mikrosk Anat 116:319-41, 1971

INJURIES

[Rare complication after tonsillectomy] Shnaĭdman BI. Vestn Otorinolaringol 32:103-4, Jul-Aug 70 (Rus)

METABOLISM

Transport and life-span of amine storage granules studied by histochemical and biochemical methods. Dahlström A, et al. Acta Physiol Scand 7, 1970
Nerve function after reserpine and axonal flow of amine storage granules. Häggendal J, et al. Acta Physiol Scand 9-10, 1970
Synthesis of noradrenaline from 3,4-dihydroxyphenylalanine (DOPA) and dopamine in adrenergic nerves of mouse atrium--effect of reserpine, monoamine oxidase and tyrosine hydroxylase inhibition. Jonsson G, et al. Acta Physiol Scand 80:307-22, Nov 70
Intraneuroplasmic transport of catecholamines as studied by fluorescence and electron microscopy. Sano Y, et al. Arch Histol Jap 32:329-45, Nov 70
Pharmacological implications of the fate of noradrenaline in the artery wall. De la Lande IS, et al. Circ Res 27:Suppl 2:41-8, Oct 70
Catecholamine transport in constricted nerve fibers of the toad. Rodríguez Echandía EL, et al. Curr Mod Biol 3:342-6, Feb 71
Autoradiographic demonstration of uptake and accumulation of 3H-6-hydroxydopamine in adrenergic nerves. Ljungdahl A, et al. Experientia 27:297-9, 15 Mar 71
Ultrastructural cytochemistry and pharmacology of 5-hydroxytryptamine in adrenergic nerve endings. 3. Selective increase of norepinephrine in the rat pineal gland consecutive to depletion of neuronal 5-hydroxytryptamine. Jaim-Etcheverry G, et al. J Pharmacol Exp Ther 178:42-8, Jul 71
Uptake, retention and metabolism of H 3 -tyramine in rat atria. Steinberg MI, et al. J Pharmacol Exp Ther 176:139-48, Jan 71
Ultrastructural cytochemistry and pharmacology of 5-hydroxytryptamine in adrenergic nerve endings. II. Accumulation of 5-hydroxytryptamine in nerve vesicles containing norepinephrine in rat vas deferens. Zieher LM, et al. J Pharmacol Exp Ther 178:30-41, Jul 71
Synthesis of acetylcholine in the absence of exogenous choline. Heading CE, et al. Nature [New Biol] 229:221, 17 Feb 71
Preganglionic stimulation increases calcium uptake by sympathetic ganglia. Blaustein MP. Science 172:391-3, 23 Apr 71
The neuronal and extra-neuronal localisations of biogenic amines in the cervical region of the domestic fowl (Gallus gallus domesticus L.). Bennett T. Z Zellforsch Mikrosk Anat 112:443-64, 1971
[Rôle of prostaglandins in homeostasis] Paoletti R. Rev Atheroscler (Paris) 10:57-67, 1968 (Fre)
[Synthesis, storage, and release of the adrenergic neurotransmitter] Euler US von. Klin Wochenschr 49:524-9, 1 May 71 (Ger)
[The influencing of catecholamine liberation in nerve endings] Schönhöfer P. Praxis 60:867-70, Jun 71 (Ger)
[The relationship between the activity of the sympatho-adrenal system during muscular activity and adaptation to it] Gorokhov AL. Fiziol Zh SSSR 56:1002-7, 1970 (Rus)

PATHOLOGY

Pulmonary alveolar microlithiasis with involvement of the sympathetic nervous system and gonads. Coetzee T. Thorax 25:637-42, Sep 70

PHYSIOLOGY

Bone marrow response to stimulation of the sympathetic trunks in rats. Webber RH, et al. Acta Anat (Basel) 77:92-7, 1970
Thyroid-sympathetic nervous system interactions in thermoregulation. Gale CC, et al. Acta Endocrinol [Suppl] (Kbh) 155:34, 1971
The rôle of beta-receptors in the regulation of the arterial circulation of the liver. Fischer A, et al. Acta Hepatosplenol (Stuttg) 17:411-5, Nov-Dec 70
Increased sympathetic innervation of the rabbit heart. Explanation of the lability of the ECG in the rabbit. Kenedi I, et al. Acta Physiol Acad Sci Hung 38:175-82, 1970
Nervous influence on the pulmonary blood volume. Aarseth P. Acta Physiol Scand 80:23A-24A, Dec 70
The effect of sympathetic nerve stimulation on pulmonary blood volume in isolated perfused lungs. Aarseth P, et al. Acta Physiol Scand 81:448-54, Apr 71
Metabolic effects of prolonged sympathetic nerve stimulation in canine subcutaneous adipose tissue. Fredholm BB, et al. Acta Physiol Scand 80:567-76, Dec 70
Studies on the sympathetic regulation of circulation and metabolism in isolated canine subcutaneous adipose tissue. Fredholm BB. Acta Physiol Scand Suppl 354:1+, 1970
Noradrenaline uptake and fluorescence histochemistry in bovine splenic nerves. Hamberger B, et al. Acta Physiol Scand 82:107-14, May 71
Inhibition by prostaglandin E1 of vascular response to sympathetic nerve stimulation in vivo. Hedqvist P. Acta Physiol Scand 80:6A, Dec 70
Quantitative estimation of secretion and reuptake of adrenergic transmitter in the rabbit heart. Stjärne L, et al. Acta Physiol Scand 81:286-8, Feb 71
Reflex heart rate control in man. Leon DF, et al. Am Heart J 80:729-39, Dec 70
Release of a humoral vasodilator substance during neurogenic vasodilatation. Ballard DR, et al. Am J Physiol 219:1451-7, Nov 70
Alpha-adrenergic inhibition of immunoreactive insulin release during deep hypothermia. Baum D, et al. Am J Physiol 221:303-11, Jul 71
Effect of sympathetic nervous system on renin release. Birbari A. Am J Physiol 220:16-8, Jan 71
Sympathetic outflow from spinal cord to splanchnic circulation of the dog. Brooksby GA, et al. Am J Physiol 219:1429-33, Nov 70
Area localization of shifting cardiac pacemakers during sympathetic stimulation. Geesbreght JM, et al. Am J Physiol 220:1522-7, May 71
Sympathetic unit activity associated with Mayer waves in the spinal dog. Kaminski RJ, et al. Am J Physiol 219:1768-71, Dec 70
Spinal sympathetic reflexes elicited by increases in arterial blood pressure. Malliani A, et al. Am J Physiol 220:128-34, Jan 71
Comparison of gastric and renal nerve activity. Nisimaru N. Am J Physiol 220:1303-8, May 71
Autonomic regulation of postnatal changes in cell number and size of rat parotid. Schneyer CA, et al. Am J Physiol 219:1268-72, Nov 70
Active muscle vasodilation in primates homologous with sympathetic vasodilation in carnivores. Schramm LP, et al. Am J Physiol 221:768-77, Sep 71
Central neural pathways mediating active sympathetic muscle vasodilation in cats. Schramm LP, et al. Am J Physiol 221:754-67, Sep 71
Catecholamine and metabolite excretion in cold-stressed immunosympathectomized rats. Shum A, et al. Am J Physiol 221:64-8, Jul 71
Effect of carotid sinus baroceptor stimulation on blood pressure and sympathetic outflow. Tedeschi RE, et al. Am J Physiol 221:405-12, Aug 71
Effects of reinnervation on denervated skeletal muscle by axons of motor, sensory, and sympathetic neurons. Zalewski AA. Am J Physiol 219:1675-9, Dec 70
The escape of the renal blood flow response during sympathetic nerve stimulation. Johansson B, et al. Angiologica 7:333-43, 1970
Influence of phenelzine on the toxicity of some analgesics in mice. Jounela AJ. Ann Med Exp Biol Fenn 48:261-5, 1970
Evidence for the participation of a cholinergic receptor in adrenergic transmission. Lederer E, et al. Arch Int Pharmacodyn Ther 185:105-20, May 70
The progressive pressor response to angiotensin in the rabbit--the role of the sympathetic nervous system. Yu R, et al. Arch Int Pharmacodyn Ther 191:24-36, May 71
Functional distribution of sympathetic and parasympathetic nerves to the heart. Snow HM, et al. Br Heart J 31:393, May 69
Modification by the baroreceptors of responses in sympathetic nerves evoked by stimulation of cutaneous nerves in the dog. Whitwam JG, et al. Br J Anaesth 42:799-800, Sep 70
Role of the sympathetic nervous system in daunomycin-induced arrhythmia in the monkey. Burka B, et al. Br J Pharmacol 39:501-10, Jul 70
Oxotremorine-induced hypertension in the anaesthetized rat. Walker JL, et al. Br J Pharmacol 39:490-500, Jul 70
Gastric secretion following sympathectomy in cats. Bruckner WL, et al. Br J Surg 58:297, Apr 71
Mapping the cord of the spinal cat for sympathetic and blood pressure responses. Illert M, et al. Brain Res 23:274-6, 13 Oct 70
Pattern of sympathetic discharges and their relation to baroreceptor and respiratory activities. Koizumi K, et al. Brain Res 27:281-94, 2 Apr 71
Reflexes arising from coronary receptors. Malliani A, et al. Brain Res 24:352-5, 1 Dec 70
Reflex activity in the cervical and lumbar sympathetic trunk induced by unmyelinated somatic afferents. Schmidt RF, et al. Brain Res 24:207-18, 1 Dec 70
Neurologic release of renin in mongrel dogs. McPhee MS, et al. Can J Surg 14:142-7, Mar 71
Adrenergic neurohumoral influences on circulation and lipolysis in canine omental adipose tissue. Ballard K, et al. Circ Res 28:389-96, Apr 71
Transmitter economy of sympathetic neurones. Geffen LB, et al. Circ Res 27:Suppl 2:33-9, Oct 70
Potentiation by anticholinesterases of the response of rat mesenteric arteries to sympathetic postganglionic nerve stimulation. Malik KU. Circ Res 27:647-55, Nov 70
Pressor reflexes produced by stimulation of afferent fibers in the cardiac sympathetic nerves of the cat. Peterson DF, et al. Circ Res 28:605-10, Jun 71
Renal vascular response to salt restriction in normal man. Evidence against adrenergic mediation. Hollenberg NK, et al. Circulation 43:845-51, Jun 71
The action of ouabain on the chronotropic effects of sympathetic nerve stimulation and isoproterenol. Roberts J. Eur J Pharmacol 12:1-9, 1 Sep 70
Somato-sympathetic reflexes during natural sleep and wakefulness in unrestrained cats. Baust W, et al. Exp Brain Res 112:361-9, 26 May 71
Reflex responses in the sympathetic and vagal nerve evoked by reticular stimulation during sleep and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

wakefulness. Baust W, et al.
Exp Brain Res 112:370-8, 26 May 71
Responses of iris blood flow to stimulation of the cervical sympathetic in the rabbit. Cole DF, et al.
Exp Eye Res 10:183-91, Oct 70
Tension of the lower abdominal aorta as influenced by sympathetic stimulation. Geroví M, et al.
Experientia 26:1318-9, 15 Dec 70
Evidence for a spinal sympathetic regulation of cardiovascular functions. Malliani A, et al.
Experientia 26:965-6, 26 Sep 70
Cholinergic and adrenergic receptors at sympathetic preganglionic nerve terminals. Nishi S.
Fed Proc 29:1957-65, Nov-Dec 70
Effect of temperature on sympathetic transmission in the human fallopian tube. Nakanishi H, et al.
Fertil Steril 21:329-34, Apr 70
Autoregulatory escape in the gut. Shanbour LL, et al.
Gastroenterology 60:145-8, Jan 71
Demonstration of beta adrenergic receptors in the rabbit oviduct. Martin JE, et al.
Gynecol Invest 1:82-91, 1970
Effect of sympathetic stimulation on critical closure of intraocular blood vessels. Best M, et al.
Invest Ophthalmol 9:911-6, Nov 70
Ultrastructure of the A-cells of cat islets of Langerhans following sympathetic stimulation of glucagon secretion. Esterhuizen AC, et al.
J Cell Biol 47:593-8, Sep 70
The induction of arrhythmias by sympathetic activity before and after occlusion of a coronary artery in the canine heart. Harris AS, et al.
J Electrocardiol 4:34-43, 1971
Protein metabolism and amino acid accumulation in the rat submaxillary gland during reduced sympathetic activity. Kidman AD, et al.
J Neurochem 18:817-26, Jun 71
Antifibrillary effect of adrenergic fibers on denervated striated muscles. Mendez J, et al.
J Neurophysiol 33:882-90, Nov 70
Results of timulation and destruction of the posterior hypothalamus in man. Sano K, et al.
J Neurosurg 33:689-707, Dec 70
Acetylcholine and "auto-inhibition". Burn JH.
J Pharm Pharmacol 23:470-1, Jun 71
Effects of desipramine and cocaine on sympathetic responses in the pithed rat. Glover AB, et al.
J Pharm Pharmacol 22:789-90, Oct 70
The relative effect of the renal pressor and sympathetic nervous systems on vascular capacity during hypotension. DuCharme DW, et al.
J Pharmacol Exp Ther 177:56-68, Apr 71
An evaluation of the inability of cocaine to potentiate the responses to cardiac sympathetic nerve stimulation in the dog. Koerker RL, et al.
J Pharmacol Exp Ther 178:482-96, Sep 71
Adrenergic mechanisms in the relaxation of guinea-pig taenia coli in vitro. Weisenthal LM, et al.
J Pharmacol Exp Ther 178:497-508, Sep 71
Cerebellar initiation of discharges in sympathetic nerves. Achari NK, et al.
J Physiol (Lond) 215:21P-22P, May 71
The effect of sympathomimetic drugs and sympathetic nerve stimulation on the activity of the rat ureter in vivo. Ancili RJ, et al.
J Physiol (Lond) 213:67P-68P, Mar 71
Sympathetic denervation of the smooth muscle of the vas deferens. Birmingham AT.
J Physiol (Lond) 206:645-61, Mar 70
Spinal sympathetic reflexes initiated by coronary receptors. Brown AM, et al.
J Physiol (Lond) 212:685-705, Feb 71
The response of some sympathetic neurones to volleys in various afferent nerves. Coote JH, et al.
J Physiol (Lond) 208:261-78, Jun 70
The cite of action of nerves in the pulmonary vascular bed in the dog. Daly I de B, et al.
J Physiol (Lond) 209:317-39, Aug 70
Effects of lowered temperature on the responses of the smooth muscle of the isolated, blood-perfused dog's spleen to sympathetic nerve stimulation. Davies BN, et al. J Physiol (Lond) 212:18P-19P, Jan 71
The effects of stimulation of the left atrial receptors on sympathetic efferent nerve fibres. Karim F, et al.
J Physiol (Lond) 213:38P-39P, Mar 71
Passive vasodilatation of the hind limb after sympathetic preganglionic stimulation. Lioy F, et al.
J Physiol (Lond) 213:55-68, Feb 71
The role of the cervical sympathetic nerve in the regulation of oxygen consumption of the carotid body of the cat. Purves MJ.
J Physiol (Lond) 209:417-31, Aug 70
Spinal and supraspinal components of the reflex discharges into lumbar and thoracic white rami. Sato A, et al. J Physiol (Lond) 212:839-50, Feb 71
Modification by glucagon of the splanchnic vascular responses to activation of the sympathicoadrenal system. Kock NG, et al. J Surg Res 11:12-7, Jan 71
The effects of sympathetic nerves and catecholamines on the myocardial reactive hyperemia. Yazaki Y, et al.
Jap Circ J 34:405-11, May 70
Effects of cardiac nerve stimulation on ventricular arrhythmias after coronary occlusion. Sugimoto T, et al. Jap Heart J 12:368-75, Jul 71
Effect of ganglionic blockade on the responses of coronary blood flow to cardiac sympathetic stimulation in the dog. Takenaka F, et al.
Jap Heart J 12:169-76, Mar 71
Response to sympathetic nerve stimulation and noradrenaline in atria treated with reserpine and in atria from rabbits pretreated with reserpine. Toda N, et al. Jap J Pharmacol 20:517-29, Dec 70
Effects of various cations on the contractile response of the rabbit pulmonary artery to noradrenaline and nerve stimulation. Sumie M.
Kumamoto Med J 24:20-9, 31 Mar 71
Stimulation and section of the vidian nerve in relation to autonomic control of the nasal vasculature. Jackson RT, et al. Laryngoscope 81:565-9, Apr 71
Increased lipolytic response to norepinephrine in isolated brown fat cells after sympathetic denervation. Forn J, et al.
Life Sci [I] 9:429-35, 15 Apr 70
Integrated effects of sympathetic lumbar trunk stimulation on myotatic reflex activity of the ankle muscles of the cat. Peruzzi P, et al.
Life Sci [I] 9:61-5, 15 Jan 70
Sympathetic modulation of immune response. Hadden JW. N Engl J Med 285:178, 15 Jul 71
Release of noradrenaline from sympathetic endings. Burn JH. Nature (Lond) 231:237-40, 28 Mar 71
Specific appearance of sympathetic cholinergic vasodilatation in muscles during conditioned movements. Ellison GD, et al.
Nature (Lond) 232:124-5, 9 Jul 71
Adrenergic inhibition in mammalian parasympathetic ganglia. De Groat WC, et al.
Nature [New Biol] 231:188-9, 9 Jun 71
Inhibition by parasympathetic nerve stimulation of the release of the adrenergic transmitter. Löffelholz K, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:181-4, 1970
A muscarinic inhibition of the noradrenaline release evoked by postganglionic sympathetic nerve stimulation. Löffelholz K, et al.
Naunyn Schmiedebergs Arch Pharmakol 265:1-15, 1969
Pineal and gonadal function in the rat following cervical sympathectomy. Moore RY, et al.
Neuroendocrinology 7:361-74, 1971
Effects of stimulation of cervical sympathetic nerves on cortical blood flow and vascular reactivity. Kobayashi S, et al.
Neurology (Minneap) 21:297-302, Mar 71
The effect of eserine on the efferent neuronal activity in the cervical sympathetic of the rat. Stamenović BA, et al. Neuropharmacology 9:561-6, Nov 70
Adrenergic neurone and receptor activity in the iris of the neonate. Lind N, et al. Pediatrics 47:105-12, Jan 71
Smpathetic nervous response to induced fall and rise of arterial blood pressure in anesthetized rabbits. Aars H, et al. Pfluegers Arch 326:223-30, 1971
Bulbar inhibition of spinal and supraspinal sympathetic reflex discharges. Kirchner F, et al.
Pfluegers Arch 326:324-33, 1971
Metabolic hanges in adrenal-demedullated and sympathectomized rats during 24 hours' fasting. Turinský J, et al. Physiol Bohemoslov 19:303-12, 1970
Modern views on pharmacology. VII. Peripheral adrenergic systems. Crossland J.
Practitioner 207:114-20, Jul 71
Further evidence for physiologic ureteral innervation. Boyarsky S, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:5-15, 7 Nov 66
Pharmacologic studies of the nature of the sympathetic nerves of the urinary bladder. Boyarsky S, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:150-61, 1967
Functional innervation of rabbit salivary gland. Fritz ME. Proc Soc Exp Biol Med 137:776-9, Jul 71
Effect of angiotensin on the cardioaccelerator response to sympathetic nerve stimulation in isolated rabbit hearts. Thompson JL.
Proc Soc Exp Biol Med 135:825-30, Dec 70
Functional studies of right cardiac sympathetic nerves and ganglia in the dog. Tollack JL, et al.
Proc Soc Exp Biol Med 137:772-5, Jul 71
Enhancement by desipramine of hypothalamically evoked discharges in preganglionic sympathetic nerves. Sigg EB, et al.
Psychopharmacologia 16:378-86, 1970
Contraction of chicken rectum to nerve stimulation after blockade of sympathetic and parasympathetic transmission. Bartlet AL, et al.
Q J Exp Physiol 56:178-83, Jul 71
Changes in the number of vesicles and the size of sympathetic nerve terminals following nerve stimulation. Côté MG, et al.
Rev Can Biol 29:111-4, Jun 70
Adrenergic neurotransmitter functions. Euler US von.
Science 173:202-6, 16 Jul 71 (39 ref.)
Adenosine 3',5'-monophosphate in nervous tissue: increase associated with synaptic transmission. McAfee DA, et al. Science 171:1156-8, 19 Mar 71
Immunosympathectomy and gastric function in the rat. Rivilis J, et al. Surg Forum 21:316-7, 1970
New developments in the adrenergic pharmacology of normal and glaucomatous eyes. Langham ME.
Trans Aust Coll Ophthalmol 1:52-63, 1969 (29 ref.)
Location of retrograde changes in the nervous system following unilateral lymphathectomy in sheep. Welento J.
Zentralbl Veterinaermed [A] 16:834-7, Nov 69
[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ.
Ned Tijdschr Geneeskd 114:2049-65, 5 Dec 70 (120 ref.) (Dut)
[Studies on the problems of cerebral blood circulation regulation. IV. Role of pneumogastric and cervical sympathetic nerves in the regulation of cerebral blood circulation] Kopa J, et al.
Acta Physiol Acad Sci Hung 38:247-57, 1970 (Fre)
[Effect of stimulation of the sympathetic trunk on liberation of noradrenaline 3H into the rat blood stream: influence of guanethidine, phenoxybenzamine, cocaine and desipramine in vivo] Jacquot C, et al.
Arch Int Pharmacodyn Ther 187:245-64, Oct 70 (Fre)
[Effect of sypathetic stimulation on output of ephedrine-14C and parahydroxyephedrine-14C. Evidence for a false neurotransmitter, parahydroxyephedrine, in the rat] Bralet J, et al.
Biochem Pharmacol 20:151-62, Jan 71 (Fre)
[Effects of hyperbaric oxygenation on nerve conduction and synaptic transmission in isolated sympathetic ganglion of the rat] Rossier B.
Brain Res 18:257-72, 3 Mar 70 (Fre)
[Interaction of angiotensin II with the sympathetic nervous system] Papanicolaou N, et al.
C R Acad Sci [D] (Paris) 271:2008-10, 30 Nov 70 (Fre)
[Demonstration of participation of adrenergic regulations in some immunitary acquisitions in rats] Soulairac A, et al.
J Physiol (Paris) 62:Suppl 2:318, 1970 (Fre)
[Autonomic concomitants of rhythmic locomotor activities in rabbits] Viala G.
J Physiol (Paris) 62:Suppl 2:327-8, 1970 (Fre)
[Anti-arrhythmic agents and sympathetic stimulation of the vas deferens] Wellens D, et al.
J Physiol (Paris) 62:Suppl 3:464-5, 1970 (Fre)
[Recent data concerning the physiology of the adrenosympathetic system] Mornex R, et al.
Rev Lyon Med 18:489-508, Aug-Sep 69 (Fre)
[Comparative studies on the effect of adrenergic, cholinergic and pacemaker-induced changes in heart rate on cardiac dynamics in situ] Wende W, et al.
Arch Kreislaufforsch 64:82-97, Jan-Feb 71 (Ger)
[Relations between sympathetic activation and blood pressure effect following injection of central analeptics] Brus M, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:307-8, 1970 (Ger)
[Effect of phentolamine and propranolol on the contraction-inhibiting effect of sympathetic nerve stimulation in the isolated, postganglionic parasympathetically stimulated guinea pig ileum] Oberdorf A.
Naunyn Schmiedebergs Arch Pharmakol 266:413-4, 1970 (Ger)
[Effects of beta-adrenolytics on noradrenaline output from the isolated rabbit heart evoked by sympathetic nerve stimulation] Werner U, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:102-13, 1971 (Ger)
[Studies of cold adaptation and function of the brown fat tissue in the white Rattus norvegicus] Szeszak J.
Rev Suisse Zool 77:389-434, Jun 70 (Ger)
[Studies on the possible influencing of the adrenergic system with diazoxide] Börner E, et al.
Verh Dtsch Ges Inn Med 75:800-2, 1969 (Ger)
[Spinal sympathetic control of cardiac functions] Malliani A.
Atti Accad Fisiocrit Siena [Med Fis] 17:1347-67, 1968 (Ita)
[Recent acquisitions in neurovegetative regulation of bronchial caliber] Cornia G, et al.
Recent Progr Med (Roma) 49:546-51, Dec 70 (Ita)
[Integrated actions of the sympathetic nervous system on muscle proprioceptors of the ankle myotactic unit of the chronic spinal cat] Peruzzi P, et al.
Ric Sci 39:441-3, Apr-Jun 69 (Ita)
[The autonomic nervous system and eyes: the role of the sympathetic nerve on extra-ocular muscle and pupil] Naito M.
Acta Soc Ophthalmol Jap 75:988-95, 20 Jan 71 (Jap)
[Electrical activities of the bulbar reticular formation and efferent discharge of the renal sympathetic nerve and phrenic nerve during experimentally induced brain death] Mori K, et al.
Brain Nerve (Tokyo) 22:1139-49, Oct 70 (Jap)
[Symposium--coronary hemodynamic response to autonomic drugs and coronary vasodilators. 1. Role of the cardiac sympathetic nerve in the regulation of coronary circulation] Takenaka F, et al.
Folia Pharmacol Jap 66:93-4, 20 Jul 70 (Jap)
[Pharmacology of the receptors in the heart; with special reference to the adrenergic receptor] Ando J.
J Jap Med Assoc 64:1064-7, Nov 70 (Jap)
[Control of coronary circulation with the autonomic nervous system] Takenaka N.
J Jap Med Assoc 64:1068-73, Nov 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Diagnostic tests for pheochromocytoma and sympathetic nerve-adrenal medulla system function tests. Glucagon and tyramine tests] Nakano Y, et al. Jap J Clin Med 28:2728-37, Dec 70 (Jap)

[Seasonal variation of vago-sympathetic nerve stimulation effects on the frog] Hiramatsu S. Med Biol (Tokyo) 81:257-62, 10 Dec 70 (Jap)

[Nervous regulation of gastric motility] Haffner J, et al. Tidsskr Nor Laegeforen 91:596-601, 20 Mar 71 (Nor)

[Role of adrenergic receptors during uterus contraction] Urban J. Ginekol Pol 42:611-7, May 71 (Pol)

[The sympathetic motor supporting system and its bases] Rabinovici OA. Neurol Psihiatr Neurochir 15:529-36, Nov-Dec 70 (Rum)

[Contribution of the cervical sympathetic to innervation of the cerebral blood vessels] Appel E. Stud Cercet Neurol 15:405-13, 1970 (Rum)

[The role of descending inhibition n realization of the depressant effect of catecholamines on sympathetic tonus and vasomotor reflex] Butuzov VG. Biull Eksp Biol Med 69:65-9, Mar 70 (Rus)

[Changes in the activity of tactile receptors under sympathetic influences] Dmitrieva TM, et al. Biull Eksp Biol Med 67:3-7, Jun 69 (Rus)

[The mechanism of reciprocal interaction between cutaneous touch receptors] Esakov AI, et al. Biull Eksp Biol Med 65:3-7, Apr 68 (Rus)

[Nature of the central adreno- and serotonin-sensitive structures participating in the facilitating influence of bioamines on the respiratory reflex from the upper respiratory passages] Komissarov IV, et al. Biull Eksp Biol Med 70:52-5, Oct 70 (Rus)

[Frog myocardial adrenoreceptors as iron containing complexes] Komissarov IV, et al. Biull Eksp Biol Med 67:75-8, Jun 69 (Rus)

[The role of metal in the active center of adrenoreceptors] Komissarov IV, et al. Biull Eksp Biol Med 66:61-4, Nov 68 (Rus)

[Cholinergic nervous apparatus of pia mater and brain blood vessels] Motavkin PA, et al. Biull Eksp Biol Med 70:113-6, Jul 70 (Rus)

[Effect of peripheral section of the sympathetic nervous system on t morphofunctional state of the pancreatic islands] Shevchuk IA, et al. Biull Eksp Biol Med 70:9-12, Sep 70 (Rus)

[The effect of catecholamines (piridrol and phenamine) on various synaptic systems of the cerebral cortex] Smirnov GD, et al. Biull Eksp Biol Med 63:30-3, Nov 67 (Rus)

[Character of vasomotor responses in relation to the number of stimulated nerve fibers and frequency of impulsation] Udel'nov MG, et al. Biull Eksp Biol Med 72:12-7, Jul 71 (Rus)

[The steady potentials and resting potential of skeletal muscle] Belkovskif EE. Fiziol Zh SSSR 56:354-8, Mar 70 (Rus)

[Neurogenic changes in pulmonary vessel resistance and capacitance during acute decrease of circulating blood volume] Dvoretskif DP. Fiziol Zh SSSR 57:80-4, Jan 71 (Rus)

[The effect of postganglionic sympathetic and parasympathetic denervation on the concentration of adrenaline and noradrenaline in the submaxillary glands] Gutkin VI, et al. Fiziol Zh SSSR 56:413-8, Mar 70 (Rus)

[The influence of thyroid hormones on pancreatic secretion] Kienia AI. Fiziol Zh SSSR 56:266-72, Feb 70 (Rus)

[Effect of ACTH on some physiological indices of skeletal muscles during blockade of adren- and cholinoreactive structures] Korkach VI. Fiziol Zh SSSR 56:1276-81, Sep 70 (Rus)

[Role of the sympathetic component of the autonomic nervous system in the regulation of gastric gland enzyme secretory activity] Korot'ko GF, et al. Fiziol Zh SSSR 56:1242-8, Sep 70 (Rus)

[Secretion of a cardiostimulating substance of a non-sympathetic nature by the frog heart upon sympathetic nerve stimulation] Putintseva TG, et al. Fiziol Zh SSSR 56:231-6, Feb 70 (Rus)

[The influence of the sympathetic nervous system on the pessimum of myoneural synapses] Sitnikova MI. Nerv Sist 9:77-80, 1968 (Rus)

[Study of the bioelectric activity of the sympathetic nerves of the heart and kidney by the cross-correlation method] Katunskif AIa, et al. Nov Med Priborostr 1:21-7, 1967 (Rus)

[Relation of anaphylactic bronchoconstrictor reaction to the tone of the sympathetic nervous system] Shevchenko AI. Patol Fiziol Eksp Ter 14:74-5, Jul-Aug 70 (Rus)

[Role of catecholamine depots and alpha-adrenoreceptors in the radiation-protective effect of hydroxyphenylethanolamines] Kulinskif VI. Radiobiologiia 10:887-91, Nov-Dec 70 (Rus)

[Convergence of visceral and somatic afferent influences on the neurons of the ventro-posterior thalamic nucleus] Shapovalova KB. Zh Vyssh Nerv Deiat 21:559-68, May-Jun 71 (Rus)

[The phenomenon of predepressive cellular stimulation] Marqués Sala R, et al. Rev Esp Anestesiol Reanim 17:257-65, Apr 70 (Spa)

[Symposium of lung doctors. 1. Reflex paths and receptors] Simonsson BG. Lakartidningen 68:586-7, 3 Feb 71 (Swe)

PHYSIOPATHOLOGY

Role of the nervous system in the arrhythmias produced by coronary occlusion in the cat. Gillis RA. Am Heart J 81:677-84, May 71

The cause of the Argyll Robertson pupil. Sears ML. Am J Ophthalmol 72:488-9, Aug 71

Cardiac responses to autonomic nerve stimulation during acidosis and hypoxia in the lamb. Downing SE, et al. Am J Physiol 220:1956-63, Jun 71

Circulatory responses to hemorrhage in dogs with cardiac autotransplantation. Kontos HA, et al. Am J Physiol 220:821-3, Mar 71

Sympathetic and hypophyseal roles in the splenic response to hemorrhage. Stark RD, et al. Am J Physiol 220:837-40, Mar 71

Emotional stress and sympatho-adrenomedullary and related physiological reactions with particular reference to cardiovascular pathology. Levi L. Bibl Psychiatr 144:38-51, 1970

An assessment of the role of the sympathetic nervous system in experimental hypertension using normal and immunosympathectomized rats. Ayitey-Smith E, et al. Br J Pharmacol 40:175-85, Oct 70

Influence of the adrenergic system in renovascular hypertension. Guazzi M, et al. Cardiovasc Res 5:71-80, Jan 71

Adrenergic innervation of the small vessels in the pancreas of the rat and changes observed during early renal hypertension. Graham JD, et al. Circ Res 27:Suppl 2:25-32, Oct 70

The neurogenically maintained component in hypertension. Smirk FH. Circ Res 27:Suppl 2:55-63, Oct 70

Glucose intolerance in nonischemic cardiac disease. Role of cardiac output and adrenergic function. Ettinger PO, et al. Circulation 43:809-23, Jun 71

Pathogenesis of redistribution of intrarenal blood flow in haemorrhagic hypotension. Grandchamp A, et al. Eur J Clin Invest 1:271-6, Jan 71

Redistribution of renal blood flow in haemorrhagic hypotension. Role of renal nerves and circulating catecholamines. Truniger B, et al. Eur J Clin Invest 1:277-80, Jan 71

Pulmonary vascular response of the reimplanted dog lung to hypoxia. Valenca LM, et al. J Thorac Cardiovasc Surg 61:857-62, Jun 71

Studies on the etiology of essential hypertension--a role of sympathetic nervous system. Kikuiri T. Jap Circ J 35:511-2, May 71

Afferent discharges in the left cardiac sympathetic nerve induced by asphyxia in the cat. Takenaka F, et al. Jap Heart J 11:550-8, Nov 70

False neurotransmitters and hepatic failure. Fischer JE, et al. Lancet 2:75-80, 10 Jul 71

Sympathetic nerve function and DOCA-NaCl induced hypertension. Clarke DE, et al. Life Sci [I] 9:1097-108, 1 Oct 70

Sympathogenic vascular disease. Sout C. N Engl J Med 283:1237-8, 26 Nov 70

Another humoral substance that enhances adrenergic responsiveness during acute renal ischaemia. Sweet CS, et al. Nature (Lond) 231:363-5, 28 Mar 71

Regional cutaneous and visceral sympathetic activity during asphyxia in the anesthetized rabbit. Iriki M, et al. Pfluegers Arch 322:167-82, 1971

The neurogenic component in the experimental hypertensive rat. Finch L. Pharmacology 5:245-54, 1971

Role of adrenergic mechanisms in development and therapy of open-angled glaucoma. Langham ME. Proc R Soc Med 64:822-8, Jun 71 (34 ref.)

Combined autonomic effects of concurrently-applied stressors. Patton GW. Psychophysiology 6:707-15, May 70

Synaptic transmission in the sympathetic autonomic ganglia under conditons of experimental hypothyroidism in cat. Pascalov-Stoenescu L, et al. Rev Roum Physiol 8:67-71, 1971

Possible etiology of schizophrenia: progressive damage to the noradrenergic reward system by 6-hydroxydopamine. Stein L, et al. Science 171:1032-6, 12 Mar 71

Pathogenesis of arterial hypertension after occlusion of cerebral arteries. Moore WS, et al. Surg Gynecol Obstet 131:885-93, Nov 70

Choreoathetosis in hyperthyroidism: a manifestation of a hyperadrenergic state. Heffron WA, et al. Trans Am Neurol Assoc 95:187-91, 1970

[Pathophysiology of the shock] Sarajas HS. Duodecim 87:228-43, 1971 (Fin)

[Stimulation of the carotid sinus nerve in arterial hypertension] Torresani J, et al. Acta Chir Belg 69:33-41, Jan 70 (Fre)

[Prevention and treatment of the "irreducible mydriasis--progressive atrophy of the iris" syndrome following perforating keratoplasty for keratoconus] Bonnet M, et al. Ann Ocul (Paris) 202:1139-46, Nov 69 (Fre)

[Relation between the Arthus phenomenon and vascular reactivity of an orthosympathetic nature] Lambotte R, et al. C R Soc Biol (Paris) 164:1153-7, 1970 (Fre)

[The sympatho-galvanic reflex (SGR) and sympathectomy] Boucher JR, et al. Can Anaesth Soc J 17:504-15, Sep 70 (Fre)

[Exploration of neurovegetative central activity by means of the retino-cortical potential in patients with diencephalic disorders] Benetato A, et al. Rev Roum Physiol 5:41-50, 1968 (Fre)

[Adrenergic system and stress] Klepping J, et al. Sem Hop Paris 47:116-32, 8 Jan 71 (46 ref.) (Fre)

[Studies on the activity of the sympathetic nervous system and the adrenal gland cortex during acute respiratory acidosis] Geisler L, et al. Klin Wochenschr 49:87-91, 15 Jan 71 (Ger)

[The role of the adrenergic beta-receptors in emotional tachycardia; radiotelemetric studies on ski jumpers] Blatter K, et al. Schweiz Z Sportmed 17:131-49, 1969 (Ger)

[Psychophysiologic studies in the initial stadium of essential hypertony] Richter-Heinrich E, et al. Z Gesamte Inn Med 24:Suppl:17-21, 1 Jan 69 (Ger)

[The adrenergic system in pathogenesis of 2 types of experimental shock] Novelli GP, et al. Acta Anaesthesiol (Padova) 22:1-29, Jan-Feb 71 (Ita)

[Importance of the adrenergic system in experimental renovascular hypertension] Guazzi M. Atti Accad Fisiocrit Siena [Med Fis] 17:569-94, 1968 (Ita)

[Research on the sympathetic vascular innervation in animals with aortic coarctation. Different responses to norepinephrine and isoprenaline in the hypertensive segment and in the hypotensive segment. Preliminary note] Brotzu G, et al. Boll Soc Ital Biol Sper 46:735-8, 30 Sep 70 (Ita)

[Physiopathological study of the orthosympathetic system in hypertensive disease] Consolo F, et al. Cuore Circ 54:199-228, Oct 70 (Ita)

[Cardiac arrhythmias, plasmatic concentrations of non-esterified fatty acids and activity of the adrenosympathetic system in acute myocardial infarct] Muiesan G, et al. Recent Progr Med (Roma) 49:536-45, Dec 70 (Ita)

[Developmental mechanism of anginal pain--excitation dynamics of the cardiac sympathetic afferent nerve] Uchida Y, et al. Jap Circ J 35:147-61, Jan 71 (Jap)

[Beta-adrenergic blockade theory--impaired function of the autonomic nerve in asthma] Makino S. Jap J Allergy 20:93-105, Feb 71 (93 ref.) (Jap)

[Sympathico-adrenal system in myocardial infarct] Koziara Z. Pol Tyg Lek 26:1097-10, 28 Jun 71 (24 ref.) (Pol)

[Features peculiar to the course of chronic cholecystitis in women with premenstrual syndrome] Golovskof BV, et al. Akush Ginekol (Mosk) 46:51-3, Aug 70 (Rus)

[Functional significance of the sympathetic vasodilator effect in skeletal muscle] Berdina NA, et al. Dokl Akad Nauk SSSR 197:1218-21, 1971 (Rus)

[Efferent sympathetic activity discharging from a mixed nerve of a frog in the immediate postradiation period] Chepurnova NE, et al. Dokl Akad Nauk SSSR 185:236-9, Mar-Apr 69 (Rus)

[Changes in the bioelectrical activity of vagus nerve and sympathetic nerve afferent fibers in short-term myocardial ischemia] Agnaev AK. Kardiologiia 10:84-9, Oct 70 (Rus)

[Functional state of the sympathetic-adrenal system in patients with diffuse toxic and nodular hyperthyroid goiters before and after blood transfusion] Kovalenko AA. Klin Khir 7:26-8, Jul 70 (Rus)

[Contractile function of the myocardium and sympatho-adrenal system in adolescents with angiocardiopathy of toxico-infectious origin] Muchinskaia SP. Pediatriia 49:47-52, Aug 70 (Rus)

[State of the sympathico-adrenal system in patients with diabetes mellitus. 2] Prikhozhan VM. Probl Endokrinol (Mosk) 16:24-9, May-Jun 70 (Rus)

[Functional status of the sympathetic-adrenal system in patients with atherosclerotic cardiosclerosis and circulatory insufficiency] Zaretskif MM, et al. Ter Arkh 41:70-3, Sep 69 (Rus)

[The functional state of the adrenal cortex and the sympatho-adrenal system before and after surgical treatment of pain syndromes] Khomitskaia LF, et al. Vopr Neirokhir 34:29-32, May-Jun 70 (Rus)

[The state of the sympathetic-adrenal system in patients with malignant neoplasms of the gastrointestinal tract] Offe GR, et al. Vrach Delo 19-21, Jan 71 (Rus)

[The state of the sympathetic-adrenal system in patients with chronic psychoses undergoing rehabilitative therapy (according to findings from a catecholamine study)] Efimenko VL, et al. Zh Nevropatol Psikhiatr 71:447-53, 1971 (Rus)

RADIATION EFFECTS

[Efferent impulsation in postganglionic sympathetic fibers under the influence of an ultra-high frequency electromagnetic field] Iakovleva MI. Biull Eksp Biol Med 66:9-11, Sep 68 (Rus)

[Effect of insulin on the sympathico-adrenal system in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

persons working with radiation sources] Kogan IA. Med Radiol (Mosk) 15:39-46, Nov 70 (Rus)
[Dynamics of changes in the ultrastructure of a sympathetic nervous system neuron caused by 300 roentgen irradiation] Ferents AI. Radiobiologiia 11:74-9, Jan-Feb 71 (Rus)
[Electron microscopic study of the development of radiation injury and restoration of ultrastructure in the sympathetic nervous system neuron] Ferents AI. Radiobiologiia 11:147-51, Jan-Feb 71 (Rus)

SECRETION

Question of norepinephrine release in the action of cardiac glycosides. Gillis RA. Circ Res 29:104-6, Jul 71
Degeneration mydriasis and hyperemia of the iris after superior cervical ganglionectomy in the rabbit. Evidence for release of more than norepinephrine during degeneration of adrenergic terminals. Treister G, et al. Invest Ophthalmol 9:873-87, Nov 70

SYMPATHETIC TRANSMITTER RELEASERS see

under SYMPATHOMIMETICS (D5)

SYMPATHINS see CATECHOLAMINES (D2)

SYMPATHOLYTICS (D5)

Synthetic gastrin as a dual adrenergic blocker. Kaul PN. Am J Dig Dis 16:127-34, Feb 71
Beta-receptor antagonists. Raper C. Australas Ann Med 19:286-8, Aug 70
Oxprenolol (Trasicor) during halothane anaesthesia in surgical patients. Johnstone M. Br J Anaesth 43:167-71, Feb 71
Adrenergic neurone blockade with chloroquine and amodiaquine. Jindal MN. Indian J Med Res 58:1050-6, Aug 70
Beta-adrenergic blockers. Kundu SC. J Indian Med Assoc 55:101-2, 1 Aug 70
Beta-adrenergic blocking agents. 10. (3-amino-2-hydroxypropoxy)anilides. Crowther AF, et al. J Med Chem 14:511-3, Jun 71
Beta-adrenergic blocking agents. 9. Absolute configuration of propranolol and of a number of related aryloxypropanolamines and arylethanolamines. Dukes M, et al. J Med Chem 14:326-8, Apr 71
Steric aspects of adrenergic drugs. Patil PN, et al. J Pharm Sci 59:1205-34, Sep 70 (325 ref.)
[Treatment of angina pectoris with a new beta receptor blockader, the preparation LB-46 (4-(2-hydroxy-3-isopropylaminopropoxy)-indole)] Saner RP. Schweiz Med Wochenschr 100:174-9, 31 Jan 70 (Ger)
[Use of a pure beta-blockador, 1-(4-nitrophenyl)-2-isopropylamino-ethanol in angina pectoris] Gasparotto G, et al. Folia Cardiol (Milano) 28:40-3, 1969 (Ita)
[Alpha blocking properties of dihydro ergot derivatives. Regional sphygmographic finding] D'Ayala Valva G, et al. Riv Crit Clin Med 67:177-90, Aug 67 (Ita)
[Alpha blocking properties of dihydro ergot derivatives. Findings on skin and muscle temperature] D'Ayala Valva G, et al. Riv Crit Clin Med 67:191-9, Aug 67 (Ita)
[The beta-adrenergic blockers as anti-arrhythmics] Nadal-Ginard B, et al. Arch Inst Cardiol Mex 40:461-70, Jul-Aug 70 (Spa)

ADMINISTRATION & DOSAGE

A comparison of the cardiovascular actions of four adrenergic -receptor blocking agents in resting, conscious dogs. Bergamaschi M, et al. Am Heart J 82:338-51, Sep 71
Beta adrenergic blockade in the circulatory regulation of hyperkinetic states. Frohlich ED. Am J Cardiol 27:195-9, Feb 71
Anesthetic management of an incompletely controlled hyperthyroid patient for thyroidectomy. Cook DR, et al. Anesthesiology 33:562-4, Nov 70
Heart rate response to certain physiological manoeuvres: proposed measure of degree of -receptor blockade. Fitzgerald JD, et al. Br Heart J 33:814, Jul 71
Acute effects of oral alprenolol on exercise tolerance in patients with angina pectoris. A dose-response study. Sealey BJ, et al. Br Heart J 33:481-8, Jul 71
Double-blind three-dose trial of oral alprenolol in angina pectoris. Sowton E, et al. Br Heart J 33:601-6, Jul 71
Studies on norepinephrine-containing afferents to Purkinje cells of rat cerebellum. II. Sensitivity of Purkinje cells to norepinephrine and related substances administered by microiontophoresis. Hoffer BJ, et al. Brain Res 25:523-34, 5 Feb 71
Hypothalamic alpha- and beta-adrenergic systems regulate both thirst and hunger in the rat. Leibowitz SF. Proc Natl Acad Sci USA 68:332-4, Feb 71
[Practolol (Eraldin) and ischemic heart disease. An ergometric study] Bjerregaard P, et al. Ugeskr Laeger 133:49-53, 15 Jan 71 (Dan)
[Practolol and propranolol. A comparative study] Bjerregaard P, et al. Ugeskr Laeger 133:53-5, 15 Jan 71 (Dan)
[Adrenergic beta-blockade in angina pectoris. A study of the effects of Practolol (Eraldin, I.C.I. 50172) with special attention to the matter of dosage] Christensen E, et al. Ugeskr Laeger 133:296-9, 19 Feb 71 (Dan)
[Dosage problems in drug therapy with beta receptor blockers and the effect of their isomers in local anesthesia] Machtens E. Dtsch Zahnaerztl Z 26:353-8, Mar 71 (Ger)
[Clinical-pharmacological studies with a new beta receptor blocking substance (LB 46, Visken)] Judmaier G, et al. Wien Klin Wochenschr 82:891-3, 11 Dec 70 (Ger)
[Factorial design in a balanced incomplete block in the evaluation of the minimal active dose of a beta-blocking drug] Motolese M. Boll Chim Farm 109:363-8, Jun 70 (Ita)
[Old and new concepts of antistenocardiac drugs] Sanna GP. Cardiol Prat 21:367-82, Dec 70 (Ita)
[Beta adrenergic block and adrenaline infiltration in general anesthesia in otosurgery] Giannoni E, et al. Clin Otorinolaringoiatr 20:482-91, Nov-Dec 68 (Ita)
[Exercise tolerance in patients with angina pectoris with the beta blockader alprenol] Liljedal J. Tidsskr Nor Laegeforen 91:1451-8, 10 Jul 71 (Nor)
[Effect of neurotropic compounds on internal carotid and pial arteries] Mchedlishvili GI, et al. Farmakol Toksikol 33:557-9, Sep-Oct 70 (Rus)

ADVERSE EFFECTS

Angina pectoris. Ahmed M. Br Med J 2:404, 15 May 71
Mechanism of bronchoconstriction due to beta adrenergic blockade. Studies with practolol, propranolol, and atropine. Grieco MH, et al. J Allergy Clin Immunol 48:143-52, Sep 71
Treatment of angina pectoris. Sengupta NR. J Indian Med Assoc 55:292-3, 16 Oct 70
Can adrenergic blockers be leukemogenic? Mason AB. N Engl J Med 284:219, 28 Jan 71
[Cardiac toxicity of currently used drugs] Mohiuddin SM, et al. Laval Med 42:393-8, 1971 (Fre)

ANALYSIS

[Microcrystallographic and chemical identification of some new organic drugs with basic nitrogen atoms. VI] Yalcindag ON. Turk Hij Tecr Biyol Derg 30:33-40, 1970 (Tur)

ANTAGONISTS & INHIBITORS

In vitro study of mutual antagonism between alpha-and beta-adrenoreceptor blocking agents. Vaishnav UH, et al. J Pharm Pharmacol 23:630-1, Aug 71

BLOOD

Blood levels of practolol following intravenous administration. Aellig WH, et al. Br J Pharmacol 40:573P, Nov 70
The fluorimetric determination of thymoxamine in plasma. Arbab AG, et al. J Pharm Pharmacol 23:719-21, Sep 71

CHEMICAL SYNTHESIS

[Synthesis and pharmacological activity of some adamantane derivatives] Pedrazzoli A, et al. Farmaco [Sci] 25:822-9, Nov 70 (Ita)

DIAGNOSTIC USE

[Beta-adrenolytic drugs and ventilation. Propranolol test in pneumology] Marche J, et al. J Fr Med Chir Thorac 25:211-9, Feb-Mar 71 (Fre)
[Application of selective cardiac beta-adrenergic blockade for electrocardiographic prognosis. Practolol test] Sterkowicz S. Pol Arch Med Wewn 46:697-703, Jun 71 (Pol)

METABOLISM

Absorption of alprenolol in man from tablets with different rates of release. Johansson R, et al. Acta Pharm Suec 8:59-70, Mar 71
Distribution kinetics and intestinal absorption of practolol in the rat. Barber HE, et al. Br J Pharmacol 41:513-20, Mar 71
Binding of N-(2-bromo ethyl)-N-ethyl-N 1 -naphthylmethylamine HBr (SY28) to the proteins of guinea-pig vas deferens. Graham JD, et al. Br J Pharmacol 42:428-36, Jul 71
The uptake of adrenergic neurone blocking drugs. Wilson J. Br J Pharmacol 40:159P+, Sep 70
The metabolism and distribution of the selective adrenergic beta blocking agent, practolol. Scales B, et al. J Pharmacol Exp Ther 175:338-47, Nov 70
Metabolic studies on oxprenolol in animals and man by means of radio-tracer techniques and GLC-analysis. Riess W, et al. Postgrad Med J Suppl:32-9, Nov 70
[The adrenergic receptors of the intraocular muscles of man. An in vitro-study] Kern R. Albrecht von Graefes Arch Klin Ophthalmol 180:231-48, 1970 (Ger)
[Hemodynamic effects of glucagon under stimulation and blockade of adrenergic receptors] Tibblin S, et al. Nord Med 86:919, 29 Jul 71 (Swe)

PHARMACODYNAMICS

Production of ATP in leukocyte mitochondria from hyperthyroid patients before and after treatment with a beta-adrenergic blocker and antithyroid drugs. Jemelin M, et al. Acta Endocrinol (Kbh) 66:606-10, Apr 71
The hyperglycaemic activity of some catecholamines and the effect of alph- and beta-adrenergic blocking compounds in the mouse. Hermansen K, et al. Acta Pharmacol Toxicol (Kbh) 29:87-94, 1971
Effects of some adrenergic neuron blockers, related quaternary ammonium compounds and guanidine derivatives on degenerating adrenergic nerves in the conscious rat. Lundberg D. Acta Physiol Scand 80:323-44, Nov 70
Kalemotropic effect of epinephrine: analysis with adrenergic agonists and antagonists. Todd EP, et al. Am J Physiol 220:1964-9, Jun 71
The effect of bea-adrenergic blockade on the cardiopulmonary response to ketamine. Traber DL, et al. Anesth Analg (Cleve) 49:604-13, Jul-Aug 70
Effects of calcium on smooth muscles and on the adrenergic neuron blocking action of guanethidine. Chang CC, et al. Arch Int Pharmacodyn Ther 190:34-48, Mar 71
Inhibition of carbohydrate breakdown in brain by adrenergic beta-receptor blocking drugs: comparison of INPEA and propranolol. Estler CJ, et al. Arch Int Pharmacodyn Ther 185:85-8, May 70
Action of beta-adrenolytics on the isolated guinea-pig atria. Grodzińska L, et al. Arch Int Pharmacodyn Ther 191:133-41, May 71
Inhibition of norepinephrine uptake and adrenergic antagonism by N-methyl-N-benzylphenylethanolamine and N,N-dibenzylphenylethanolamine. Hudgins PM, et al. Arch Int Pharmacodyn Ther 187:236-44, Oct 70
Adrenergic effects on hydraulic permeability of mesenteric membrane. Kruger S. Arch Int Pharmacodyn Ther 185:121-34, May 70
Evidence for the participation of a cholinergic receptor in adrenergic transmission. Lederer E, et al. Arch Int Pharmacodyn Ther 185:105-20, May 70
Studies on the myocardial depressant effect of KL 255: a beta adrenergic receptor antagonist. Pendleton RG, et al. Arch Int Pharmacodyn Ther 187:75-87, Sep 70
Cardiovascular effects of equi-antiarrhythmic doses of alprenolol (a beta-adrenergic receptor antagonist) diphenylhydantoin and procainamide. Proctor JD, et al. Arch Int Pharmacodyn Ther 190:354-67, Apr 71
Hemodynamic effects of alprenolol (H56-28). Proctor JD, et al. Arch Int Pharmacodyn Ther 181:363-77, Oct 69
The action of MJ1999 on the lethal effects of lanatoside C and ouabain in intact dogs. Sadeghi D. Arch Int Pharmacodyn Ther 181:484-8, Oct 69
A comparison of the effects of propranolol and practolol on forced expiratory volume and resting heart rate in normal subjects. Turner P, et al. Arch Int Pharmacodyn Ther 191:104-10, May 71
Studies on the adrenergic blocking action of guanethidine. Yoo CS, et al. Arch Int Pharmacodyn Ther 190:190-8, Mar 71
Pharmacological actions of 1-(o-methoxyphenoxy)3-isopropylamino-2-propanol hydrochloride (S-D-1601), a new beta-blocking agent. Ferrini R, et al. Arzneim Forsch 20:1074-9, Aug 70
Du21220--a new beta--mimetic drug: a pilot trial to determine its use as a uterine relaxant in conjunction with the beta--blocking drug practolol. Beveridge H, et al. Aust NZ J Obstet Gynaecol 10:252-5, Nov 70
The influence of propranolol, INPEA, iproveratril and some 1-naphthylethylamine derivatives on the myocardial phosphorylase activity. Robak J, et al. Biochem Pharmacol 19:1221-7, Apr 70
Differential effects of Ca2+, EDTA and adrenergic blocking agents on the actions of some hormones on adenosine 3',5'-monophosphate levels in isolated adipose cells as determined by prior labeling with [8-14C] adenine. Kuo JF. Biochim Biophys Acta 208:509-16, Jun 70
Role of peripheral vascular system in control of cardiac output, demonstrated by use of selective -adrenergic stimulating and blocking agents. Gibson DG, et al. Br Heart J 33:615, Jul 71
Effects of propranolol, oxprenolol, and practolol on denervated dog heart. Harry JD, et al. Br Heart J 33:614-5, Jul 71
Experimental cardiac arrhythmias in the evaluation of anti-arrhythmic drugs. Allen JD, et al. Br J Anaesth 43:720-1, Jul 71
Hemodynamic effects of oxprenolol and practolol during halothane anesthesia. Johnstone M. Br J Anaesth 43:820-1, Aug 71
Haemodynamic effects of beta-receptor blocking drugs

during nitrous oxide-halothane anaesthesia. Stephen GW, et al. Br J Anaesth 43:320-5, Apr 71
Haemodynamic effects of oxprenolol and practolol in dogs under halothane anaesthesia. Strong AJ, et al. Br J Anaesth 43:25-32, Jan 71
The acute cardiovascular changes and adrenergic blockade by droperidol in man. Whitwam JG, et al. Br J Anaesth 43:581-91, Jun 71
Cardio-selective beta-adrenoceptor blockade and the coronary circulation. Adam KR, et al. Br J Pharmacol 40:534-6, Nov 70
Autonomic blocking properties of Wy 21901. Alps BJ, et al. Br J Pharmacol 40:153P, Sep 70
Cardiovascular actions of Wy 21901, a new hypotensive and anti-arrhythmic agent. Alps BJ, et al. Br J Pharmacol 40:151P+, Sep 70
Comparative chronotropic activity of beta-adrenoceptive antagonists. Barrett AM, et al. Br J Pharmacol 40:373-81, Nov 70
Beta-adrenoceptor antagonist activity of 3-methoxyisoprenaline. Bassett JR. Br J Pharmacol 41:113-21, Jan 71
Effect of beta-adrenoceptive blocking agents on the response to bronchoconstrictor drugs in the guinea-pig air overflow preparation. Appendix describing a new modification of the air overflow method. Burden DT, et al. Br J Pharmacol 41:122-31, Jan 71
The effects of alpha- and beta-adrenoceptor blocking agents on the responses of the rat uterus to catecholamines throughout the oestrus cycle. Butterworth KR, et al. Br J Pharmacol 40:160P+, Sep 70
Relative affinities of some alpha-adrenoceptor blocking drugs in isolated human smooth muscle. Coupar IM, et al. Br J Pharmacol 40:155P+, Sep 70
Effect of beta-adrenoceptor blocking compounds (propranolol, practolol and LB 46) on isoprenaline induced changes in regional blood flow in the rat. Debreczeni L, et al. Br J Pharmacol 41:171-6, Feb 71
Interaction of isoprenaline and beta-adrenoceptor blocking drugs on intestinal smooth muscle. Farmer JB, et al. Br J Pharmacol 40:154P+, Sep 70
Effects of beta-adrenoceptor blocking drugs on the chronotropic and inotropic actions of isoprenaline on the acutely denervated dog heart. Harry JD, et al. Br J Pharmacol 41:387P+, Feb 71
Effect of five beta-adrenoceptor antagonists on the effect of isoprenaline and acetylcholine on human isolated smooth muscle. Hedges A, et al. Br J Pharmacol 41:428P+, Feb 71
Effect of catecholamines and angiotensin on extracellular water and cation movements and the effect of alpha and beta-adrenoceptor blockade. Hettiaratchi ES, et al. Br J Pharmacol 41:302-16, Feb 71
Effect of beta-haloalkylamines and ephedrine on noradrenaline release from the intact spleen of the cat. Kirpekar SM, et al. Br J Pharmacol 39:533-41, Jul 70
Binding sites for 2-haloalkylamines. Mottram DR, et al. Br J Pharmacol 40:157P+, Sep 70
Reflex and other vascular changes in anaesthetized dogs after beta-adrenoceptor antagonism with alprenolol, bunolol and propranolol. Robson RD. Br J Pharmacol 40:539P+, Nov 70
Action of thymoxamine on mydriasis induced by levodopa and dopamine. Spiers AS, et al. Br Med J 2:438-9, 22 May 71
Beta-blockers in hypertension. Wilkinson JC. Br Med J 4:802, 26 Dec 70
Local effects of beta-adrenergic blocking drugs in asthmatics. Beumer HM. Bronches 18:489-94, Nov-Dec 68
Distribution theory of resistance of neurogenic vasoconstriction to alpha-receptor blockade in the rabbit. Bevan JA, et al. Circ Res 28:179-87, Feb 71
Preliminary studies of the pharmacological effects of 5-[1-hydroxy-2-((1-methyl-3-phenylpropyl)amino)-ethyl] salicylamide (AH 5158) in man. Boakes AJ, et al. Clin Sci 40:18P-19P, Apr 71
The influence of adrenergic receptor blocking agents on the mouse thyroid. Kendall-Taylor P, et al. Clin Sci 39:781-91, Dec 70
The effect of cardioselective beta-adrenergic blockade in patients with abnormal left ventricular function. Webb-Peploe MM, et al. Clin Sci 40:6P, Feb 71
Adrenergic regulation of insulin secretion during fasting in normal subjects. Misbin RI, et al. Diabetes 19:688-93, Oct 70
The action of beta-adrenergic blocking and stimulating agents on insulin secretion. Characterization of the type of beta receptor. Loubatières A, et al. Diabetologia 7:127-32, Jun 71
Adrenergic modification of glucose-induced biphasic insulin release from perifused rat pancreas. Burr IM, et al. Eur J Clin Invest 1:216-24, Jan 71
Beta-adrenergic receptor blocking properties of three allyl-substituted phenoxypropanolamines. Ablad B, et al. Eur J Pharmacol 13:59-64, 1970
Increased plasma renin activity induced in rats by physostigmine and effects of alpha- and beta-receptors blocking drugs thereon. Alexandre JM, et al. Eur J Pharmacol 12:127-31, 1 Sep 70
Effect of ring substitution in 1-isopropylamino-3-phenoxypropan-2-ol on beta-adrenoceptor inhibition. Barrett AM, et al. Eur J Pharmacol 12:372-4, 1970
A quantitative study of beta-adrenergic receptors in rabbit atria. Bristow M, et al. Eur J Pharmacol 12:120-3, 1 Sep 70
Sedative effects of alpha-sympathomimetic drugs and their antagonism by adrenergic and cholinergic blocking drugs. Delbarre B, et al. Eur J Pharmacol 13:356-63, 1971
Effects of three beta adrenergic receptor blockers on myocardial oxygen consumption in the dog. Ek L, et al. Eur J Pharmacol 14:19-28, 1971
Stimulatory effects of catecholamines on the isolated rat colon after beta-adrenergic blockade with oxprenolol and propranolol. Gagnon DJ, et al. Eur J Pharmacol 12:303-9, 1970
Evidence for an alpha-sympathomimetic component in the effects of catapresan on vasomotor centres: antagonism by piperoxane. Schmitt H, et al. Eur J Pharmacol 14:96-100, 1971
Adrenergic innervation and receptors in the sphincter of Oddi. Mori J, et al. Eur J Immunol 14:365-73, May 71
Antiarrhythmic effects of dichloroisoprenaline, H 56-28, ICI 50172, LB 46, MJ 1999 and propranolol on aconitine-induced atrial and ouabain-induced ventricular arrhythmias. Hashimoto K, et al. Experientia 27:666-7, Jun 71
Effect of some beta-adrenoreceptor blocking agents on the uptake of noradrenaline by adrenergic nerves in the nictitating membrane of the pithed cat. Hoszowska A. Folia Biol (Krakow) 19:63-72, 1971
A study in vivo of adrenergic receptors in the rectum and in the internal and sphincter of the cat. Kerremans R, et al. Gut 11:709-14, Aug 70
Stress induced changes in catecholamine, glycogen and blood glucose levels and their modification by antiadrenergic drugs. Sharma VN, et al. Indian J Med Res 58:1063-72, Aug 70
Effect of propranolol and [4-(2-isopropylamino-1-hydroxyethyl) methanesulphonanilide hydrochloride] (MJ-1999) on pulmonary circulation. Madan BR, et al. Indian J Physiol Pharmacol 14:45-52, Jan 70
Chemical radiation protection and the c AMP mechanism. Langendorff H, et al. Int J Radiat Biol 19:493-5, 1971
Acute circulatory effects of a beta adrenergic blocking agent (LB 46) in patients with sympathetic overstimulation. Dufour R, et al. Int Z Klin Pharmakol Ther Toxikol 4:145-7, Dec 70
Treadmill investigations into the action of beta receptor antagonists on blood pressure and pulse rate. Kirchhoff HW. Int Z Klin Pharmakol Ther Toxikol 4:141-4, Dec 70
Frog muscle responses to catecholamine beta-receptor blocking agents. Wislicki L. Isr J Med Sci 6:224-7, Mar-Apr 70
Simulated alpha-blockade due to inhibition of release of nor-epinephrine by a beta-blocking agent Ko 592. Redisch W, et al. J Cardiovasc Surg (Torino) 11:141-5, Mar-Apr 70
Effects of beta-blocking agent Ko 592 in massive doses upon catecholamines in arterial tissue and plasma and peripheral blood flow in anesthetized dogs before and after electric stimulation of sympathetic ganglia. Terry EN, et al. J Cardiovasc Surg (Torino) 11:146-50, Mar-Apr 70
Responses of coronary vessels to adrenergic stimuli. McRaven DR, et al. J Clin Invest 50:773-8, Apr 71
Cardiovascular effects of prinodolol (LB-46), a potent beta-adrenergic receptor antagonist. Levy JV. J Clin Pharmacol 11:249-60, Jul-Aug 71
Effects of oral thymoxamine on blood pressure and pupillary response in normal subjects. Arbab AG, et al. J Pharm Pharmacol 22:532-3, Jul 70
1,3-Bis(4-(p-methoxyphenyl)piperazinyl)-2-propanol (Ro 8-2580): a new monoamine depletor. Burkard WP, et al. J Pharm Pharmacol 23:646-8, Aug 71
The reversal of phenoxybenzamine-produced alpha-adrenoceptor blockade by the isomers of propranolol and INPEA. Davis WG. J Pharm Pharmacol 23:332-8, May 71
The effect of thymoxamine on peripheral blood vessels as monitored by the 133Xe clearance technique. Dick WC, et al. J Pharm Pharmacol 23:204-8, Mar 71
Physical performance of mice treated with propranolol, sotalol and INPEA. Estler CJ. J Pharm Pharmacol 23:714-5, Sep 71
Pharmacological actions of phosphocholine 2,6-xylyl ether bromide (phospho-TM10; PTM10). Hughes IE. J Pharm Pharmacol 22:433-40, Jun 70
Adrenergic neuron blocking action of dehydroemetine. Ng KK, et al. J Pharm Pharmacol 22:787, Oct 70
Mechanism of MJ 1999-induced blockade of neuromuscular transmission. Patel VK, et al. J Pharm Pharmacol 23:209-13, Mar 71
Antiarrhythmic actions of two new beta adrenergic blocking agents, Kö 1313 and Kö 1366. Baum T, et al. J Pharmacol Exp Ther 176:350-60, Feb 71
Beta adrenergic blocking and cardiovascular properties of two new substances, Kö 1313 and Kö 1366. Baum T, et al. J Pharmacol Exp Ther 176:339-49, Feb 71
Effects of oxprenolol on coronary circulation and cardiac metabolism. Drimal J, et al. J Pharmacol Exp Ther 176:312-9, Feb 71
Effect of 4-(2-hydroxy-3-isopropylaminopropoxy) acetanilide (AY 21,011) on the myocardial and coronary vascular responses to adrenergic stimulation. Lucchesi BR, et al. J Pharmacol Exp Ther 176:200-11, Jan 71
The cardiovascular pharmacology of bunolol, a new beta adrenergic blocking agent. Robson RD, et al. J Pharmacol Exp Ther 175:157-67, Oct 70
Effects of cholinergic and adrenergic blocking agents on the activity of the eccrine sweat glands. Foster KG, et al. J Physiol (Lond) 210:883-95, Nov 70
Contractile responses of dog bladder neck muscle to adrenergic drugs. Rohner TJ, et al. J Urol 105:657-61, May 71
An experimental study of the beta-receptor blocking agents on the cardiac performance in dogs. Singh N, et al. Jap J Pharmacol 20:467-72, Dec 70
Beta-adrenergic blocker, 2-(2-hydroxy-3-tert-butylaminopropoxy) chlorobenzene hydrochloride (D-69-12). Takagi K, et al. Jap J Pharmacol 20:504-8, Dec 70
Another possibly cardioselective beta-blocker. Roetscher I. Lancet 1:1027, 15 May 71
Enhancement of the alpha receptor blocking action of N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline (EEDQ) by amines. Kaisner S. Life Sci [I] 9:961-74, 1 Sep 70
Irreversible antagonism at the adrenergic alpha-receptor: the role of calcium. Moran JF, et al. Life Sci [I] 9:1303-15, 15 Nov 70
Effects of epinephrine, norepinephrine and isoproterenol against challenge in Bordetella pertussis-treated and beta-adrenergic blocked mice. Bergman RK, et al. Life Sci [II] 10:561-8, 22 May 71
The effect of some beta-adrenoceptive blocking drugs on glucose-6-phosphate and fructose-1,6-phosphate levels, and on hexokinase activity in the mouse brain. Leonard BE, et al. Life Sci [II] 10:677-83, 22 Jun 71
Immunosuppression by alpha blockade. Flier JS. N Engl J Med 284:1159-60, 20 May 71
General concepts in the use of beta-blockers: the relative roles of specific and unspecific effects. Brunner H, et al. Naunyn Schmiedebergs Arch Pharmakol 269:219-31, 1971
Effects of different drugs with beta-adrenolytic activity on experimental models of arrhythmias. Marmo E. Naunyn Schmiedebergs Arch Pharmakol 269:231-47, 1971
Pituitary follicle-stimulating hormone in immature female rats treated with drugs that inhibit the synthesis or antagonise the actions of catecholamines and 5-hydroxytryptamine. Brown PS. Neuroendocrinology 7:183-92, 1971
Some haemodynamic effects of LB 46 (Visken). Smyth AJ, et al. NZ Med J 72:246-7, Oct 70
Hemodynamics of the carotid sinus reflex elicited by bilateral carotid occlusion in the conscious dog. Effect of - or -adrenergic blockade on the reflex response. Kirchheim H, et al. Pfluegers Arch 327:203-24, 1971
Impairment of alpha receptor activity induced by cold storage in the isolated rabbit duodenum. Salimi M, et al. Pharmacology 4:341-6, 1970
Influence of adrenergic blocking drugs on central angiotensin effects. Severs WB, et al. Pharmacology 5:205-14, 1971
The influence of adrenergic and some other cardioactive drugs on electric activity of the isolated frog atrium. Smejkal V, et al. Physiol Bohemoslov 19:23-5, 1970
The influence of the adrenergic drugs on the electrical responses of the rabbit isolated heart atrium. Smejkal V, et al. Physiol Bohemoslov 19:19-22, 1970
The effect of monoamines upon rat uterus contractility after blockade of adrenergic system receptors. Urban J, et al. Pol Med J 10:284-91, 1971
Haemodynamic effects of intravenous oxoprenolol. Bensaid J, et al. Postgrad Med J Suppl:49-56, Nov 70
Pharmacological aspects of oxprenolol. Brunner H, et al. Postgrad Med J Suppl:5-14, Nov 70
The effect of oxprenolol on airwy resistance. Clarke GM, et al. Postgrad Med J Suppl:42-3, Nov 70
Haemodynamic effects of oxprenolol in hypertensive patients. Majid PA, et al. Postgrad Med J Suppl:67-72, Nov 70
Effects of oxprenolol on cardiac contractile force, heart rate and coronary circulation. Meier M. Postgrad Med J Suppl:15-21, Nov 70
The effect of beta-adrenergic blocking drugs on myocardial function: an explanation at the subcellular level. Nayler WG. Postgrad Med J Suppl:90-6, Nov 70
The action of intravenous oxprenolol, practolol, propranolol and sotalol on acute exercise tolerance in angina pectoris: the effect on heart rate and the electrocardiogram. Prichard BN, et al. Postgrad Med J Suppl:77-85, Nov 70
Effect upon myocardial blood-flow in man of beta-blocking agents, isosorbide dinitrate, dipyridamole and their combination. Reale A, et al. Postgrad Med J Suppl:60-6, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Comparison of immediate haemodynamic effects of three beta-adrenergic blocking agents. Rivier JL, et al. Postgrad Med J Suppl:44-9, Nov 70

Circulatory and electrocardiographic effects of oxprenolol in angina pectoris. Sharma B, et al. Postgrad Med J Suppl:72-6, Nov 70

Comparison of tests of adrenergic beta-receptor blockade in man and their application to a comparison of the beta-blocking potency of propranolol and oxprenolol. Taylor SH, et al. Postgrad Med J Suppl:57-60, Nov 70

The effect of oxprenolol on cardiac intracellular potentials in relation to its anti-arrhythmic, local anaesthetic and other properties. Vaughan Williams EM, et al. Postgrad Med J Suppl:22-32, Nov 70

Modern views on pharmacology. 8. Antagonists of adrenergic neurone activity. Crossland J. Practitioner 207:244-50, Aug 71

Changes in renal blood flow during renal nerve stimulation. DiSalvo J, et al. Proc Soc Exp Biol Med 136:150-3, Jan 71

Antilipolytic activity of 4-(2-hydroxy-3-isopropylaminopropoxy) acetanilide (Practolol). Miller DW, et al. Proc Soc Exp Biol Med 136:715-8, Mar 71

Adrenaline, digitalis and beta-adrenergic blockade during anaesthesia. Vetten KB. S Afr J Surg 8:73-83, 1970 (56 ref.)

Pharmacological properties of a new beta-receptor blocking agent. Clark B, et al. Triangle 9:300-8, 1970

The effect of beta-adrenergic receptor blockade on the atrial refractory period of hyperthyroid rabbits. Yoo CS, et al. Yonsei Med J 10:192-5, 1969

Action of autonomic effector agents on the catecholamine secretion of the suprarenal medulla of the crow and the fowl. Ray B. Z Biol 116:327-31, Jun 70

[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ. Pharm Weekbl 105:1393-425, 4 Dec 70 (113 ref.) (Dut)

[Hemodynamic effects of beta-receptor stimulants after beta-adrenergic blockade and theophylline] Stauch M, et al. Ann Cardiol Angeiol (Paris) 20:71-2, Jan-Feb 71 (Fre)

[Hemodynamic effects of right auricular stimulation before and after administration of a beta-blockader agent] Bensaid J, et al. Arch Mal Coeur 64:870-90, May 71 (Fre)

[Perfusion of adrenaline and acetylcholine in rabbits. Analysis of the effects on blood pressure with the use of several pharmacological substances] Besson S, et al. C R Soc Biol (Paris) 164:1114-7, 1970 (Fre)

[Influence of reserpine and adrenergic alpha and beta blockaders on blood pressure effects of various sympathomimetics] Besson S, et al. C R Soc Biol (Paris) 164:1309-11, 1970 (Fre)

[Action of several beta-adrenergic inhibitors on auriculoventricular conduction] Boissier JR, et al. C R Soc Biol (Paris) 164:255-9, 25 Sep 70 (Fre)

[Differentiation with practolol of the type of beta adrenergic receptor involved in insulin secretion] Mariani MM, et al. C R Soc Biol (Paris) 164:1596-600, 1970 (Fre)

[Interactions between various alpha and beta adrenergic inhibitors and ergotamine during inversion of the pressure effects of isoprenaline in the dog] Mouillé P. C R Soc Biol (Paris) 164:1003-6, 1970 (Fre)

[Insulin secretion studied on isolated perfused rat pancreas. II. Effects of catecholamines and adrenergic blocking drugs] Loubatières A, et al. Diabetologia 6:533-41, Dec 70 (Fre)

[The effect of alpha and beta adrenergic stimulation and blockage in the normal and diabetic rat] Korec R, et al. J Physiol (Paris) 62:Suppl 3:395-6, 1970 (Fre)

[Demonstration of participation of adrenergic regulations in variations of appetency for alcohol in rats] Soulairac A, et al. J Physiol (Paris) 62:Suppl 2:318-9, 1970 (Fre)

[Influence of alpha and beta receptor blockaders upon oxygen consumption of methemoglobin containing erythrocytes] Bluth R, et al. Acta Biol Med Ger 25:225-32, 1970 (Ger)

[Synergistic effect of alcohol and protein deficiency on fat incorporation into the liver] Ammon HP. Acta Hepatosplenol (Stuttg) 17:330-44, Sep-Oct 70 (Ger)

[The regulation of local cortical cerebral blood flow following injections of, nor-epinephrine, pentobarbital and adrenolitico] Bienmüller H, et al. Aerztl Forsch 24:97-111, 10 Apr 70 (Ger)

[Comparative studies on the question of differentiation of adrenergic beta-receptors] Mentz P, et al. Arch Int Pharmacodyn Ther 187:23-9, Sep 70 (Ger)

[Behavior of the ECG in normal, reserpinized or emetinized rats previously perfused with various beta-adrenolytic agents] Marmo E. Arch Kreislaufforsch 59:325-50, Jul-Aug 69 (Ger)

[Antagonistic effect of beta-sympatholytics on methamphetamine-induced changes in the function and metabolism in brain] Estler CJ, et al. Arzneim Forsch 20:908-9, Jul 70 (Ger)

[Optical antipodes of adrenergic beta receptor blocking agent 1-(o-allyloxyphenoxy)-3-isopropylamino-2-propanol] Meier M, et al. Arzneim Forsch 20:1890-6, Dec 70 (Ger)

[Prolonging hexabarbiturate anesthesia by beta adrenolytic drugs] Wagner J, et al. Arzneim Forsch 21:414-6, Mar 71 (Ger)

[Contribution to the pharmacology of the beta-adrenolytics] Wagner J. Dtsch Med Wochenschr 95:2442-8, 27 Nov 70 (108 ref.) (Ger)

[The effect of an adrenergic beta receptor blockader (Kö 592) on respiration] Hamm J, et al. Klin Wochenschr 48:457-64, 15 Apr 70 (Ger)

[Hemodynamic effects of practolol (ICI 50 172)] Baumgarti P, et al. Med Klin 66:597-601, 16 Apr 71 (Ger)

[Modification of the hypersympathicotonus in menopause by beta-receptor inhibition] Gerlach E. Med Monatsschr 24:217-21, May 70 (Ger)

[Comparative studies with the beta-receptor blockaders LB 46 and propranolol in healthy persons using the isoproterenol test] Bender F, et al. Med Welt 22:1444-6, 11 Sep 71 (Ger)

[Labor inhibition with a new beta-adrenergic drug] Boden W, et al. Med Welt 30:1342-9, 25 Jul 70 (Ger)

[Evaluation of adrenergic beta receptor blockaders on the circulation in cats] Greeff K, et al. Naunyn Schmiedebergs Arch Pharmakol 270:79-86, 1971 (Ger)

[Coronary flow and and cardiac output of waking dogs during physical exertion under beta-receptor blockade] Kucharczyk M, et al. Naunyn Schmiedebergs Arch Pharmakol 266:384-5, 1970 (Ger)

[Efficiency of myocardial performance and oxidation of exogenous 14C-substrates under the influence of beta-receptor stimulating and blocking agents, as compared with other cardioactive drugs] Range H, et al. Naunyn Schmiedebergs Arch Pharmakol 266:432-3, 1970 (Ger)

[Effects of beta-adrenolytics on noradrenaline output from the isolated rabbit heart evoked by sympathetic nerve stimulation] Werner U, et al. Naunyn Schmiedebergs Arch Pharmakol 268:102-13, 1971 (Ger)

[Effect of isoproterenol on the hemodynamics and contractibility of the left ventricle before and after Gubernal] Schönbeck M, et al. Schweiz Med Wochenschr 101:1061-7, 24 Jul 71 (Ger)

[Effect of a new beta receptor blockader (ICI 50.172) on blood circulation and bronchial system] Meier J. Verh Dtsch Ges Inn Med 75:399-402, 1969 (Ger)

[Effects of reserpine as well as alpha- and beta receptor blockaders on the lipid metabolism following endotoxin] Schmahl FW, et al. Verh Dtsch Ges Inn Med 75:900-3, 1969 (Ger)

[Effect of different narcotics on the intracardiac pressure rise (dp-dt) following blockade of beta-receptors] Lennartz H, et al. Verh Dtsch Ges Kreislaufforsch 32:296-300, 1966 (Ger)

[Pharmacologic effect of a beta-receptor blocking agent (LB-46) on hemodynamics] Köhler M. Z Kreislaufforsch 59:708-19, Aug 70 (Ger)

[Function of beta-receptors in the heart] Morgenstern C, et al. Z Kreislaufforsch 59:1003-16, Nov 70 (Ger)

[The use of beta-adrenergic blocking in experimental hemorrhagic shock] Novelli GP, et al. Acta Anaesthesiol (Padova) 22:31-58, Jan-Feb 71 (Ita)

[Action of Practolol (ICI 50172) on some experimental arrhythmias] Novelli GP, et al. Acta Anaesthesiol (Padova) 20:1111-21, Nov-Dec 69 (Ita)

[On Practolol (ICI 50172) a new beta-blocking agent with selective action on the myocardium] Novelli GP. Acta Anaesthesiol (Padova) 20:1089-110, Nov-Dec 69 (Ita)

[Experimental research on the action of beta-adrenergic receptor blocking agents] Valora N, et al. Arch Fisiol 67:251-72, 15 Dec 69 (Ita)

[Effect of chemical mediators of nervous regulation on the gastro-duodenal electric activity in dogs] Lanfranchi GA, et al. Arch Ital Mal Appar Dig 36:144-65, May-Aug 69 (Ita)

[The dwarf pig, a new means of pharmacologic research. I. Its use in the study of a drug with beta adrenergic blocking action (INPEA)] Murmann W, et al. Boll Chim Farm 108:108-18, Feb 69 (Ita)

[Changes in regional hemodynamics in response to blocking of the adrenergic beta receptors] Granata L, et al. Boll Soc Ital Biol Sper 46:170-3, 28 Feb 70 (Ita)

[Comparative study of the local anesthetic action of beta-blocking compounds, performed on isolated nerve fiber] Mitolo-Chieppa D, et al. Boll Soc Ital Biol Sper 47:15-7, 15 Jan 71 (Ita)

[Beta-blocking activity of the 2 isomers and of the racemic form of INPEA (N-isopropyl-p-nitrophenylethanolamine) on the isolated portal vein in the rat] Sirtori CR, et al. Boll Soc Ital Biol Sper 45:765-8, 15 Jun 69 (Ita)

[Variations of the velocity of the rheographic wave induced by butidrine administered during intravenous infusion of adrenaline in normal subjects] Di Renzi L, et al. Boll Soc Ital Cardiol 14:158-68, 1969 (Ita)

[Effect of beta blocking on the basic ECG, and the ECG of effort and hyperventilation] Giani P, et al. Boll Soc Ital Cardiol 14:301-8, 1969 (Ita)

[Experimental study on the pharmacology of a beta-adrenolytic agent: H 56-28 alprenolol. Studies with a special regard to the cardiovascular system, tracheal, gastric, intestinal, splenic and deferent muscles] Marmo E. Clin Ter 56:121-76, 31 Jan 71 (Ita)

[Effect of a beta-adrenergic block with pronethalol, propranolol, hydrobutamine, C.39'069-Ba and H 56-28 on the electrocardiographic modifications of NaCl,MgCl 2 and KCl in rat] Marmo E, et al. Folia Cardiol (Milano) 28:83-91, 1969 (Ita)

[Study of respiratory function in relation to the administration of beta-blocking drugs] Leonardis G, et al. Minerva Anestesiol 36:341-6, Jun 70 (Ita)

[Changes in oxygen consumption after beta-adrenergic block] Leonardis G, et al. Minerva Anestesiol 36:303-6, May 70 (Ita)

[Selective beta-blocking action of practolol (ICI 50.172)] Novelli GP, et al. Minerva Anestesiol 35:1286-94, Dec 69 (Ita)

[Comparative study on the effect of propranolol, butydrine and S.D.1601, with special reference to their effects on inotropism] Bruno L, et al. Minerva Cardioangiol 18:504-11, Aug 70 (Ita)

[Effect of blocking the beta-adrenergic receptors on ventricular diastole and on the systole of the left atrium in normal subjects. (Evaluation with the polygraphic method)] Vitale P, et al. Minerva Cardioangiol 19:418-23, Aug 71 (Ita)

[The influence of alpha-beta blocking agents on fibrinolysis induced by acetylcholine in humans] Brunetti S, et al. Riv Crit Clin Med 67:246-55, Aug 67 (Ita)

[Studies on the protein content in the aqueous humour of the living rabbits. 4. Effects of beta-stimulant and beta-blockade] Takase M. Acta Soc Ophthalmol Jap 75:256-60, 20 Jan 71 (Jap)

[Studies on the protein content in the aqueous humor of the living rabbits. 3. Effects of sympathomimetic amines and blockers on the protein content of rabbit aqueous humour] Takase M. Acta Soc Ophthalmol Jap 74:1286-92, Sep 70 (Jap)

[Action mechanism of ACTH--with special reference to the significance of adrenergic agents] Matsukura S. Folia Endocrinol Jap 46:618-24, 20 Sep 70 (Jap)

[Symposium--coronary hemodynamic response to autonomic drugs and coronary vasodilators. 2. The effects of various drugs on the cardiac anoxia] Kadokawa T, et al. Folia Pharmacol Jap 66:94, 20 Jul 70 (Jap)

[Anti-serotonin action of substances blocking the adrenergic beta-receptor] Stanisławska J, et al. Acta Physiol Pol 21:757-65, 1970 (Pol)

[Adrenergic receptors and their blockade] Chlebus H. Kardiol Pol 14:77-85, 1971 (46 ref.) (Pol)

[Effect of certain adrenergic and adrenolytic drugs on tissue blood flow determined by the radioactive xenon method] Halawa B, et al. Pol Tyg Lek 25:1792-4, Nov 70 (Pol)

[Studies on the dynamics of increased tissue blood flow due to Swieradow radioactive baths. Effects of premedication with sympatholytics] Lukasik S, et al. Pol Tyg Lek 25:1799-801, Nov 70 (Pol)

[The effect of tetramethylammonium iodide and trimethylamine hydrochloride on postganglionic sympathetic nerve fibers] Avakian OM, et al. Biull Eksp Biol Med 65:71-4, May 68 (Rus)

[The effect of diphacyl on the gonadotropic function of the hypophysis] Bekhtereva EP. Biull Eksp Biol Med 66:86-9, Aug 68 (Rus)

[Effect of adrenergic drugs on venous blood outflow from the rat brain] Gorshkova VK, et al. Biull Eksp Biol Med 72:58-60, Jul 71 (Rus)

[Nature of the central adreno- and serotonin-sensitive structures participating in the facilitating influence of bioamines on the respiratory reflex from the upper respiratory passages] Komissarov IV, et al. Biull Eksp Biol Med 70:52-5, Oct 70 (Rus)

[Characteristics of the effect of adrenergic substances on collateral coronary circulation] Gatsura VV, et al. Kardiologiia 10:33-9, Sep 70 (Rus)

[Adrenergic receptor block and several possibilities of its use in the surgical clinic (review of the literature)] Pekarskiĭ DE. Klin Khir 9:80-6, Sep 70 (145 ref.) (Rus)

[Effect of neurotropic substances on cell proliferation in the mouse thymus] Rusanov AM, et al. Sov Zdravookhr Kirg 4:23-7, Jul-Aug 70 (Rus)

[Pharmacology of adrenergic substances] Chekman IS. Farm Zh 26:25-8, Jan-Feb 71 (29 ref.) (Ukr)

PHYSIOLOGY

Contributions of coronary perfusion pressure, metabolic acidosis and adrenergic factors to the reduction of myocardial contractility during hemorrhagic shock in the cat. Siegel HW, et al. Circ Res 27:875-89, Dec 70

[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ. Ned Tijdschr Geneeskd 114:2049-65, 5 Dec 70 (120 ref.) (Dut)

THERAPEUTIC USE

Results of the use of a new beta-adrenergic blocker (LB 46) in angina pectoris. Aravanis C, et al. Acta Cardiol (Brux) 25:501-9, 1970

Alprenolol in the treatment of arrhythmias in acute coronary patients. Kreus KE, et al. Acta Med Scand 188:375-8, Nov 70

Effect of ib 46, a new beta-adrenergic antagonist, in hyperthyroidism. Heart rate and blood pressure at rest and during exercise. Runeberg L, et al. Acta Med Scand 189:423-6, May 71

Exercise tolerance in patients with angina pectoris. Daily variation and effects of erythrityl tetranitrate, propranolol and alprenolol. Dagenais GR, et al. Am J Cardiol 28:10-6, Jul 71

Effect of practolol on exercise tolerance in patients with angina pectoris. Sowton E, et al. Am J Med 51:63-70, Jul 71

Effects of beta blockade on the peripheral manifestations of thyrotoxicosis. Grossman W, et al. Ann Intern Med 74:875-9, Jun 71

Comparison of effects of propranolol and practolol on exercise tolerance in angina pectoris. Coltart DJ. Br Heart J 33:62-4, Jan 71

Effect of cardioselective -adrenergic blockade in patients with abnormal left ventricular function. Graber J, et al. Br Heart J 33:615, Jul 71

Beta-blockade in experimental myocardial ischaemia: metabolic and electrocardiographic effects. Thomas M, et al. Br Heart J 33:609, Jul 71

Beta adrenergic blockade with practolol in hypertrophic obstructive cardiomyopathy. Webb-Peploe M, et al. Br Heart J 33:143-4, Jan 71

Effect of oxprenolol on adrenaline-evoked ventricular arrhythmias in dogs anaesthetized with halothane in oxygen. Sharma PL. Br J Anaesth 42:961-6, Nov 70

Beta-blocking drugs in treatment of cariac arrhythmias during anasthesia. Br J Anaesth 43:1, Jan 71

A comparison of the effects of propranolol and practolol on the exercise tolerance in angina pectoris. Coltart DJ, et al. Br J Pharmacol 40:147P+, Sep 70

Effects of (plus or minus)-propranolol, (plus or minus)-,(plus)-, and (minus)-alprenolol on unanaesthetized dogs with ventricular arrhythmias resulting from coronary artery ligation. Duce BR, et al. Br J Pharmacol 39:809-16, Aug 70

Practolol in the management of cardiac dysrhythmias in patients anaesthetized with halothane. Mathias JA, et al. Br J Pharmacol 40:572P+, Nov 70

Alprenolol and propranolol in hyperthyroid tachycardia. Turner P. Br J Pharmacol 40:146P+, Sep 70

Evaluation of a new alpha-blocking vasodilator agent (thymoxamine) in peripheral vascular disease. Kane SP. Br J Surg 57:921-6, Dec 70

Beta-blockers in hypertension. Fitzgerald JD. Br Med J 4:747, 19 Dec 70

Beta-adrenergic blocking drugs. Paterson JW. Br Med J 2:652, 12 Jun 71

Practolol in angina. Phear DN. Br Med J 1:557, 6 Mar 71

Use of oxprenolol in cardiac arrhythmias associated with acute myocardial ischaemia. Sandler G, et al. Br Med J 1:254-7, 30 Jan 71

Comparison of adrenergic beta-blocking drugs in angina pectoris. Sharma B, et al. Br Med J 3:152-5, 17 Jul 71

Angina pectoris. Taylor SH. Br Med J 2:713, 19 Jun 71

Beta-adrenergic blocking drugs. Br Med J 1:243-4, 30 Jan 71

Beta blockade in flutter. Br Med J 4:636, 12 Dec 70

Treatment of atrial arrhythmias with alprenolol. Kerber RE, et al. Doki Akad Nauk SSSR 184:1849-54, 21 Jan 69

Autonomic hyperreflexia. Sizemore GW, et al. Doki Akad Nauk SSSR 184:1886, 21 Jan 69

Oxprenolol and practolol: new beta blockers. Drug Ther Bull 9:1-3, 1 Jan 71

Comparison of the effects of various betaadrenergic blocking agents with known antiarrhythmic drugs on aconitine-arrhythmia produced by the cup method. Nakayama K, et al. Eur J Pharmacol 14:9-18, 1971

Beta-blocking agents in the management of cardiac arrhythmias. Reynolds EW. Geriatrics 26:150-61, Feb 71

Trial of practolol (Eraldin) in treatment of supraventricular cardiac arrhythmias in the elderly. Ashton F. Gerontol Clin (Basel) 12:321-34, 1970

A comparative study of dextro-alprenolol, dextro-propranolol and practolol in the treatment of ventricular ectopic beats. Smith E, et al. Guys Hosp Rep 120:9-15, 1971

Prevention of cyclopropane-adrenaline-evoked ventricular arrhythmias in the dog by selective beta-receptor antagonists. Sharma PL. Indian J Med Res 58:731-9, Jun 70

A new test of the degree of adrenergic beta receptor blockade. Fitzgerald JD. Int Z Klin Pharmakol Ther Toxikol 4:125-30, Dec 70

Antiarrhythmic effectiveness of alprenolol, a new beta adrenergic receptor blocking agent. Schwartz ML, et al. J Electrocardiol 3:211-6, 1970

Cardiodynamic and renal circulatory effects of P-286 in dogs. Evers JL, et al. J Med (Basel) 2:25-34, 1971

Antiarrhythmic activity of bunolol, a new beta adrenergic blocking agent. Kaplan HR, et al. J Pharmacol Exp Ther 175:163-77, Oct 70

Beta adrenergic blocking agents. Datey KK, et al. J Postgrad Med 17:10-5, Jan 71

Treatment of atrial arrhythmias with alprenolol. Kerber RE, et al. JAMA 214:1849-54, 7 Dec 70

Alprenolol treatment of angina pectoris. Lyon LJ, et al. JAMA 215:1669, 8 Mar 71

Autonomic hyperreflexia. Sizemore GW, et al. JAMA 214:1886, 7 Dec 70

Prindolol in hypertension. Thorpe P. Med J Aust 1:1242, 5 Jun 71

Beta-blocking agents in cardiac arrhythmias. Starcich R. Naunyn Schmiedebergs Arch Pharmakol 269:253-71, 1971

Comparison of propranolol and LB 46 (prinodolol) on hyperthyroid tachycardia. Arbab AG, et al. Postgrad Med J 47:329-31, Jun 71

The treatment of functional heart disorders with beta-adrenergic blocking agents. Imhof P, et al. Postgrad Med J Suppl:96-9, Nov 70 (25 ref.)

Long-term clinical results of oxprenolol in the treatment of cardiac arrhythmias, angina pectoris and hypertrophic subaortic stenosis. Scebat L, et al. Postgrad Med J Suppl:86-90, Nov 70

Attentuation of some effects of anaphylaxis by 1,18-diamino-6,13-diaza-9,10-dithiaoctadecane tetrahydrochloride (WR 149,024). Demaree GE, et al. Proc Soc Exp Biol Med 136:1332-5, Apr 71

The use and abuse of beta-adrenergic blockade in the surgery of hyperthyroidism. Pimstone B, et al. S Afr Med J 44:1059-61, 19 Sep 70

Treatment of paralytic ileus with adrenergic neuronal blocking drugs. Heimbach DM, et al. Surgery 69:582-7, Apr 71

The pretreatment of E. coli endotoxin shock with WR 2823: a new alpha-adrenergic blocking agent. Phillips SJ, et al. Surgery 69:510-4, Apr 71

[Effect of adrenergic blockade by trimepranol and propranolol on protein iodine and the severity of thyrotoxicosis] Felt V, et al. Cas Lek Cesk 110:595-7, 18 Jun 71 (Cse)

[Use of a beta sympatholytic agent (Trimepranol) in thyrotoxicosis] Blehová B, et al. Cesk Pediatr 26:41-3, Jan 71 (Cse)

[Effect of beta sympathetic receptor blockaders on the course of delirium tremens] Klimo Z, et al. Cesk Psychiatr 67:94-7, Apr 71 (Cse)

[Beta blockaders] Brochier M, et al. Ann Cardiol Angeiol (Paris) 19:361-5, Oct-Dec 70 (Fre)

[Sudden death during treatment by beta-blocking agent] Dal Palu C. Ann Cardiol Angeiol (Paris) 20:69-70, Jan-Feb 71 (Fre)

[Coronary diseases and beta-blocking agents] Frau G. Ann Cardiol Angeiol (Paris) 20:59-64, Jan-Feb 71 (Fre)

[Prolonged use of alprenolol in coronary insufficiency] Tricot R, et al. Ann Cardiol Angeiol (Paris) 20:73-7, Jan-Feb 71 (Fre)

[Use of beta receptor blockaders in thyroid pathology] Bricaire H, et al. Ann Med Interne (Paris) 122:249-53, Feb 71 (Fre)

[Use of adrenergic beta inhibitors in angina pectoris] Di Mattéo J, et al. Ann Med Interne (Paris) 122:243-8, Feb 71 (Fre)

[Utilization of adrenergic beta inhibitors in cardiac rhythm disorders] Di Mattéo J, et al. Ann Med Interne (Paris) 122:237-42, Feb 71 (Fre)

[Use of alprenolol in coronary disease] Tricot R, et al. Ann Med Interne (Paris) 122:233-6, Feb 71 (Fre)

[Immediate effect of beta-blockaders on coronary patients during exertion] Vastesaeger MM, et al. Brux Med 51:429-36, Jun 71 (Fre)

[Moxisylyte in macular pathology] Rougier-Houssin J, et al. Bull Soc Ophtalmol Fr 69:935-66, Nov 69 (Fre)

[Influence of several drugs of the adrenergic sphere on rat paw inflammatory edema. I. Action of naphtazoline, ephedrine, metaraminol, bamethan, yohimbin and propranolol] Marçais H, et al. C R Soc Biol (Paris) 164:773-5, 1970 (Fre)

[Use of beta-blockaders in cardiology] Scebat L. Cah Med 12:69-76, Jan 71 (Fre)

[Test of a new beta-blocking agent, LB 46, in the therapy of angina pectoris] Yigitbasi O, et al. Praxis 59:1218-21, 25 Aug 70 (Fre)

[Effects of beta adrenergic blockaders on the effort test in coronary insufficiency] Demiroglu C, et al. Presse Med 79:765-6, 3 Apr 71 (Fre)

[Effects of a regulator of the sympathetic system in thyroid pathology] Mornex R, et al. Rev Lyon Med 18:591-8, 15 Oct 69 (Fre)

[Clinical use of beta adrenergic inhibiting agents in cardiovascular therapeutics] Scebat L. Therapeutique 44:560-4, Nov 68 (Fre)

[Effect of beta receptor blockaders in arterial circulation disorders of the lower extremities] Schaller K. Dtsch Gesundheitsw 25:1513-4, 6 Aug 70 (Ger)

[Treatment of cardiac arrhythmias with practolol, a new heart specific beta receptor blocking agent] Amor H, et al. Dtsch Med Wochenschr 96:1069-75, 18 Jun 71 (Ger)

[Drug therapy of angina pectoris] Siepe O. Dtsch Med Wochenschr 96:700-2, 16 Apr 71 (Ger)

[Beta-receptor blockaders for the treatment of hypertension] Sturm A Jr. Dtsch Med Wochenschr 96:758-61, 23 Apr 71 (15 ref.) (Ger)

[Effect of a beta receptor stimulating drug (Buphenin) on the blood pressure of normotensive and hypertensive pregnant women] Wolff CH. Dtsch Med Wochenschr 95:2332-5, 13 Nov 70 (Ger)

[Pharmacological principles of the therapy using adrenergic receptor inhibitors] Muscholl E. Hippokrates 41:366-77, Sep 70 (Ger)

[The treatment of angina pectoris with beta receptor blockaders] Kaltenbach M, et al. Med Klin 65:494-500, 13 Mar 71 (Ger)

[Chemotherapy of sympathicotonic cardiovascular dysregulations] Krüger K. Med Klin 66:1163-8, 27 Aug 71 (Ger)

[Beta-receptor blockader LB 46 in the therapy of tachycardial arrhythmias] Novosel D. Med Monatsschr 24:466-71, Oct 70 (Ger)

[Decrease in ventricular frequency in auricular fibrillation using Visken] Bender F, et al. Med Welt 9:340-1, 27 Feb 71 (Ger)

[Clinical effect of doberol. Significance for diagnosis and therapy] Hähnel J. Med Welt 13:512-6, 27 Mar 71 (Ger)

[Physiopathology, clinical aspects and therapy of pheochromocytoma] Schmid B. Med Welt 33:1424-8, 15 Aug 70 (Ger)

[The treatment of tachycardial disturbances of the cardiac rhythm with a beta-adrenergic blocking agent (Visken)] Ley H, et al. Munch Med Wochenschr 112:2183-6, 27 Nov 70 (Ger)

[Neural regulation of the heart from the clinical standpoint] Rothlin M. Praxis 60:403-7, 30 Mar 71 (Ger)

[Internal therapy of peripheral arterial blood circulation disorders] Bollinger A. Schweiz Med Wochenschr 100:774-7, 2 May 70 (Ger)

[Conservative therapy of angina pectoris] Nager F. Schweiz Med Wochenschr 100:855-61, 16 May 70 (Ger)

[Treatment of angina pectoris with a new beta receptor blockader, the preparation LB-46 (4-(2-hydroxy-3-isopropylaminopropoxy)-inoole)] Saner RP. Schweiz Med Wochenschr 100:174-9, 31 Jan 70 (Ger)

[Spasmolytic effect of beta-adrenergic drugs. Conservative treatment of urolithiasis] Melchior H, et al. Urologe 10:183-8, Jul 71 (Ger)

[Clinical studies with a new beta receptor blocking agent from the indole series (LB 46)] Sterz H. Wien Klin Wochenschr 82:894-9, 11 Dec 70 (Ger)

[Psychovegetative syndrome and its treatment] Delius L. Wien Med Wochenschr 121:171-5, 6 Mar 71 (Ger)

[Treatment of angina pectoris and arrthymias with a beta receptor blockader] Willems D, et al. Z Kreislaufforsch 60:309-18, Apr 71 (Ger)

[Adrenergic receptors] Korczyn A. Harefuah 78:562-3, 1 Jun 70 (Heb)

[The value of sympathetic beta receptor blockade in the treatment of arrhythmias by artificial pacemaker] Rényi-Vámos F Jr, et al. Orv Hetil 112:972-5, 25 Apr 71 (Hun)

[Antiarrhythmic effect of butidrine: experimental study on arrhythmias induced by N-adrenaline in halothane anesthesia] Rossano C, et al. Acta Anaesthesiol (Padova) 20:663-700, Jul-Aug 69 (Ita)

[Hemodynamic changes induced by administration of butydrine, adrenaline and noradrenaline in a subject with so-called idiopathic orthostatic arterial hypotension. I] Natoli A, et al. Boll Soc Ital Biol Sper 45:849-53, 31 May 69 (Ita)

[Hemodynamic changes induced by administration of butydrine, adrenaline and noradrenaline in a subject with so-called idiopathic orthostatic arterial hypotension. II] Natoli A, et al. Boll Soc Ital Biol Sper 45:853-5, 31 May 69 (Ita)

[Paroxysmal tachycardia induced by physical exertion. Effects of beta-adrenergic blockade] Bobba P, et al. Boll Soc Ital Cardiol 15:32-41, 1970 (Ita)

[The ECG tracing of hypertensive patients treated with beta-blocking drugs] Picchio F, et al. Boll Soc Ital Cardiol 15:634-41, 1970 (Ita)

[Effect of beta-adrenergic block on regional circulation] Sanguinetti M, et al. Boll Soc Ital Cardiol 15:642-8, 1970 (Ita)

[Effect of the block of beta-adrenergic receptors in tachycardia due to thyreotoxicosis] De Petra V, et al. Cardiol Prat 20:487-98, Dec 69 (Ita)

[Value of drugs acting on the smooth musculature by direct and indirect routes in therapy of vascular diseases] Labò G, et al. Cardiol Prat 22:1-9, Feb 71 (Ita)

[Digitalic intoxication in the aged patient] Lampugnani P, et al. Cardiol Prat 21:97-110, Apr 70 (Ita)

[Clinical experiences with a combined preparation (butydrine and pentaerythritol tetranitrate) in coronary insufficiency] Chiti E. Clin Ter 53:315-21, 31 May 70 (Ita)

[Practolol, cardioselective adrenergic beta blocking agent] Grossi F. Clin Ter 55:63-7, 15 Oct 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Clinical study of moxisylyte citrate] Thénot A.
Clin Ter 55:305-12, 30 Nov 70 (Ita)
[On the effect of beta-adrenergic receptor blocking agents in thyroitoxic cardiopathies in the aged. (Statistical study)] Pasoli CA, et al.
Fracastoro 63:18-32, Jan-Feb 70 (Ita)
[Butydrine in the treatment of arrhythmia caused by hypertensive drugs in the course of fluothane anesthesia] Leonardis G, et al.
Minerva Anestesiol 35:1017-20, Oct 69 (Ita)
[Clinical studies on the use of beta blocking agents in cardiac arrhythmias] Ravera M.
Minerva Cardioangiol 17:237-41, Apr 69 (Ita)
[Treatment of coronary insufficiency with beta-adrenergic blocking agents in association with a nitroderivative] Rinaldi AR, et al.
Minerva Cardioangiol 19:160-71, Mar 71 (Ita)
[Changes in the electrocardiographic pattern after exercise in patients with coronary disease following administration of beta-blocking agents] Sala G, et al.
Minerva Cardioangiol 17:759-67, Oct 69 (Ita)
[Clinical evaluation of the therapeutic action of a beta-blocking agent associated with a nitroderivative] Salmini G, et al.
Minerva Cardioangiol 18:311-5, May 70 (Ita)
[The use of sympatholytics (hydergine) in association with other drugs in the prevention and treatment of post-operative acute renal insufficiency] Morra A, et al. Minerva Chir 25:1600-6, 15 Dec 70 (Ita)
[Therapy with beta-blocking agents in cardiology] Dal Palù C. Minerva Med 61:5450-8, 28 Nov 70 (Ita)
[The beta-blocking drugs in hyperthyroidism. 2. Effects on metabolic and biochemical changes] De Gregori ME, et al.
Minerva Med 62:1374-82, 31 Mar 71 (Ita)
[The beta-blocking drugs in hyperthyroidism. I. Effects on the cardiovascular syndrome] Ghidini O, et al.
Minerva Med 62:1363-73, 31 Mar 71 (Ita)
[The beta-blocking drugs in hyperthyroidism. 3. Effects on the post-thyroidectomy course and on the thyrotoxic crisis] Giardina F, et al.
Minerva Med 62:1383-92, 31 Mar 71 (Ita)
[Clinical testing of a new combination product of a beta blocking agent and a nitroderivative] Melli A, et al.
Minerva Med 61:4271-8, 29 Sep 70 (Ita)
[Cyclazenine in the treatment of arterial hypertension: effects on renal function] Bologna E, et al.
Policlinico [Prat] 76:1585-93, 8 Dec 69 (Ita)
[Adrenergic beta blocking agents]
Policlinico [Prat] 76:584-8, 5 May 69 (Ita)
[Various types of beta-receptor blockers in clinical anesthesia. 3. Pindolol (LB-46)] Miyazaki M, et al.
Jap J Anesthesiol 20:589-97, Jul 71 (Jap)
[Treatment of angina pectoris with cardioselective beta blocking agents. Double blind study with Eraldin (practolol)] Erikssen J, et al.
Tidsskr Nor Laegeforen 91:721-5, 10 Apr 71 (Nor)
[Treatment of hypertension in practice]
Lund-Johansen P.
Tidsskr Nor Laegeforen 91:1551-4, 10 Aug 71 (Nor)
[Beta blockaders and hypertension] Lund-Larsen PG, et al. Tidsskr Nor Laegeforen 91:222-4, 30 Jan 71 (Nor)
[Reimbursement for blockaders in angina pectoris]
Tidsskr Nor Laegeforen 91:1479, 10 Jul 71 (Nor)
[Beta-adrenergic receptor blocking agents in cardiovascular diseases] Kędra M.
Pol Arch Med Wewn 46:525-33, May 71 (Pol)
[New adrenergic blocking agent Visken (LB-46) in the treatment of chronic coronary disease] Musial W, et al. Pol Tyg Lek 26:834-6, 31 May 71 (Pol)
[Treatment of heart arrhythmias with a beta adrenergic blocking agent: Ciba 39,089 Ba] Maranhão MF, et al. Arq Bras Cardiol 23:327-34, Oct 70 (Por)
[Beta adrenergic receptor blockaders in the treatment of cardiac arrhythmias] Benchimol AB, et al.
Hospital (Rio de J) 78:1-33, Jul 70 (80 ref.) (Por)
[Verification of the therapeutic action of Sandoven in hemorrhoid patients] Gus P, et al.
Hospital (Rio de J) 78:823-33, Sep 70 (Por)
[Adrenergic receptors] Londres G.
Hospital (Rio de J) 76:807-9, Sep 69 (Por)
[Study of the action of beta adrenergic blocking agents on platelet adhesiveness and fibrinolysis in atherosclerosis] Nicolaescu V, et al.
Med Interna (Bucur) 22:1497-503, Dec 70 (Rum)
[On the use of beta-adrenergic receptor blocking agents in digitalized cardiac insufficiency] Zamfir C, et al. Med Interna (Bucur) 22:1097-106, Sep 70 (Rum)
[Beta-adrenergic blocking in cardiovascular diseases] Marcu C.
Rev Med Chir Soc Med Nat Iasi 74:553-62, Jul-Sep 70 (46 ref.) (Rum)
[Use of adrenergic alpha receptor blockaders in patients with myocardial infarct in the state of shock] Gratsianskiĭ NA. Kardiologiia 10:39-53, Sep 70 (Rus)
[Use of Visken (LB 46) in the therapy of cardiac arrhythmias] Stanulović D, et al.
Med Pregl 23:113-5, 1970 (Ser)
[Treatment of cardiac arrhythmias using a beta adrenergic receptor blocking drug] Batlle F, et al.
Prensa Med Argent 57:1801-8, 20 Nov 70 (Spa)
[Phonomechanocardiography in patients treated with adrenergic beta blockaders] Mantykow JE, et al.
Prensa Med Argent 56:1556-60, 10 Oct 69 (Spa)
[Treatment of angina with Amiodarone. Clinical study and double-blind trial] Oter Rodríguez R, et al.
Rev Clin Esp 119:143-8, 31 Dec 70 (Spa)
[Beta adrenergic blockade using practolol (I.C.I-50,172) in anesthetized patients] Grau Real F.
Rev Esp Anestesiol Reanim 18:236-43, Apr 71 (Spa)

SYMPATHOMIMETICS (D5)

Recent beta-adrenoreceptor stimulants. Brittain RT, et al. Adv Drug Res 5:197-253, 1970 (120 ref.)
Steric aspects of adrenergic drugs. Patil PN, et al.
J Pharm Sci 59:1205-34, Sep 70 (325 ref.)
Sympathomimetic bronchodilators.
Lancet 1:535-6, 13 Mar 71
Theoretical considerations of alpha and beta adrenergic activity. George JM, et al.
Mol Pharmacol 7:328-36, May 71
Sympathomimetic bronchodilator preparations available in the United States. Aviado DM, et al.
Rev Allergy 24:441-50, May 70
[Comparison of the M- and N-choline potentiating activity of proserine and eserine] Prozorovskiĭ VB, et al. Biull Eksp Biol Med 65:74-6, May 68 (Rus)
[Effect of 2-(2,6-dichlorophenylamino)-2-imidazoline hydrochloride on adrenergic receptors] Brugger A, et al. Rev Esp Fisiol 26:131-4, Jun 70 (Spa)

ADMINISTRATION & DOSAGE

A comparative clinical trial of different subcutaneous doses of terbutaline and orciprenaline in bronchial asthma. Arner B.
Acta Med Scand [Suppl] 512:45-8, 1970
Bronchodilator effect of a new sympathomimetic beta-receptor-stimulating agent, terbutaline, given subcutaneously to asthmatic patients. Arner B, et al.
Acta Med Scand [Suppl] 512:41-3, 1970
Action of pharmacologic agents in experimental cardiac tamponade. Finegan RE, et al.
Am Heart J 81:220-6, Feb 71
Studies on norepinephrine-containing afferents to Purkinje cells of rat cerebellum. II. Sensitivity of Purkinje cells to norepinephrine and related substances administered by microiontophoresis.
Hoffer BJ, et al. Brain Res 25:523-34, 5 Feb 71
Theograd, Numotac and Ventolin tablets.
Drug Ther Bull 8:95-6, 20 Nov 70
The relation between the vapour pressure of a drug and its concentration emerging in the air stream from a nasal inhaler. Armstrong PA, et al.
J Pharm Pharmacol 23:473-81, Jul 71
Hypothalamic alpha- and beta-adrenergic systems regulate both thirst and hunger in the rat. Leibowitz SF. Proc Natl Acad Sci USA 68:332-4, Feb 71
A clinical comparison of the effect of oral terbutaline and orciprenaline. Formgren H.
Scand J Resp Dis 51:195-202, 1970
Clinical comparison of inhaled terbutaline and orciprenaline in asthmatic patients. Formgren H.
Scand J Resp Dis 51:203-11, 1970
Oral salbutamol as a supplement too inhaled aerosol in obstructive respiratory disease. Vale JR.
Scand J Resp Dis 52:58-62, 1971
[Bronchodilator effect of oral isoetharine and isoprenaline inhalation] Jensen V.
Nord Med 85:745-8, 17 Jun 71 (Dan)
[Clinical use of 1-(3,5-dihidroxyphenyl)-2-isopropylaminoethanol sulfate, in the form of 2 dosed aerosol, in the therapy of bronchospastic diseases] Vigna L, et al.
Clin Ter 53:25-31, 15 Apr 70 (Ita)
[Broncholytic effect of isoetharine per os and inhalation of isoprenaline] Jensen V.
Nord Med 85:728, 10 Jun 71 (Nor)
[Oral medication in allergic rhinitis] Jungert S.
Lakartidningen 68:973-6, 24 Feb 71 (Swe)

ADVERSE EFFECTS

Nasal decongestants and paranoid psychosis. Wharton BK. Br J Psychiatry 117:439-40, Oct 70
[Mortality from bronchial asthma in Denmark in relation to the use of aerosol sprays] Baekgaard P, et al. Ugeskr Laeger 132:2274-6, 26 Nov 70 (Dan)
[Side effects in treating asthma with sympathomimetic drugs in aerosol dosages] Liljestrand A.
Lakartidningen 66:Suppl IV:93+, 15 Dec 69 (Swe)

ANALYSIS

Onthe presence of p-hydroxynorephedrine in the rat brain and heart in relation to changes in catecholamine levels after administration of amphetamine. Lewander T.
Acta Pharmacol Toxicol (Kbh) 29:3-48, 1971

ANTAGONISTS & INHIBITORS

Alpha-receptor mediated hyperglycemia in the mouse.
Arnold A, et al.
Arch Int Pharmacodyn Ther 189:243-9, Feb 71
Sedative effects of alpha-sympathomimetic drugs and their antagonism by adrenergic and cholinergic blocking drugs. Delbarre B, et al.
Eur J Pharmacol 13:356-63, 1971
[Effect of alpha-adrenalytics on the vasoconstrictor reactions caused by stimulation of sympathetic nerves by noradrenaline and adrenaline] Kisin IE, et al. Farmakol Toksikol 34:45-50, 1971 (Rus)

ISOLATION & PURIFICATION

The isolation, separation and determination of isopropylnoradrenaline and its O-methyl derivative in blood serum and tissue homogenate. Deyl Z, et al.
J Chromatogr 53:575-7, 23 Dec 71
The distribution of tyramine, N-methyltyramine, hordenine, octopamine, and synephrine in higher plants. Wheaton TA, et al. Lloydia 33:244-54, Jun 70

METABOLISM

Displacement of brain and heart noradrenaline by p-hydroxynorephedrine after administration of p-hydroxyamphetamine. Lewander T.
Acta Pharmacol Toxicol (Kbh) 29:20-32, 1971
Studies on trimetoquinol. I. Distribution, excretion and metabolism of trimetoquinol. Meshi T, et al.
Biochem Pharmacol 19:2937-48, Dec 70
[Placental passage of some labeled adrenergic amines: study in sheep] Condorelli S, et al.
Acta Anaesthesiol (Padova) 21:539-47, Sep-Oct 70 (Ita)
[The neuromediator mechanisms of a convulsive seizure] Gromov LA.
Zh Nevropatol Psikhiatr 71:89-92, 1971 (Rus)

PHARMACODYNAMICS

The rôle of beta-receptors in the regulation of the arterial circulation of the liver. Fischer A, et al.
Acta Hepatosplenol (Stuttg) 17:411-5, Nov-Dec 70
Circulatory effects of orciprenaline, adrenaline and a new sympathomimetic beta-receptor-stimulating agent, terbutaline, in normal human subjects. Arner B, et al. Acta Med Scand [Suppl] 512:25-32, 1970
Metabolic, circulatory and respiratory effects of a new sympathomimetic beta-receptor-stimulating agent, terbutaline, compared with those of orciprenaline. Carlström S, et al.
Acta Med Scand [Suppl] 512:33-40, 1970
A dual preparation technique for studying the differentiation of the effect of sympathomimetic agents on heart and tracheal muscle. Persson H, et al.
Acta Med Scand [Suppl] 512:21-4, 1970
Some pharmacological properties of terbutaline (INN), 1-(3,5-dihydroxyphenyl)-2-(T-butylamino)-ethanol. A new sympathomimetic beta-receptor-stimulating agent. Persson H, et al.
Acta Med Scand [Suppl] 512:11-9, 1970
Cardiac stimulant 1-(hydroxyphenoxy)-3-isopropylamino-2-propanols.
Ablad B, et al. Acta Pharm Suec 7:551-8, Nov 70
Effect of sympathomimetic drugs upon the human oviduct in vivo. Cibils LA, et al.
Am J Obstet Gynecol 110:481-8, 15 Jun 71
Adrenergic mechanisms in canine mesenteric circulation. Swan KG, et al.
Am J Physiol 220:1779-85, Jun 71
Kalemotropic effect of epinephrine: analysis with adrenergic agonists and antagonists. Todd EP, et al.
Am J Physiol 220:1964-9, Jun 71
Dissociation of tracheobronchial and cardiac effects of some beta-adrenergic stimulants. Hinds L, et al.
Anesthesiology 34:445-9, May 71
Studies of the 3,methoxy-derivatives of isoprenaline, isoetharine and WG 253 on isolated human tissue. Hornsey PA, et al.
Arch Int Pharmacodyn Ther 191:357-64, Jun 71
Interaction of sympathomimetic amines with alpha-receptors and 5-hydroxytryptamine receptors in rabbit aorta. Innes IR, et al.
Arch Int Pharmacodyn Ther 185:287-97, Jun 70
Adrenergic effects on hydraulic permeability of mesenteric membrane. Kruger S.
Arch Int Pharmacodyn Ther 185:121-34, May 70
Antagonism of beta-phenylethylamine derivatives and serotonin blocking drugs upon serotonin, tryptamine and reserpine behavioral depression in mice. Saavedra JM, et al. Arzneim Forsch 20:952-7, Jul 70
Possible loci of action of 2-ethyl-4-ethylamino-6-methoxy-s-triazine for electroencephalographic and sympathetic activation in cat. Saji Y, et al. Arzneim Forsch 20:1591-4, Oct 70
Lipolytic activity of structurally related agonists in rat epididymal fat tissue in vitro. Feller DR, et al.
Biochem Pharmacol 19:705-13, Mar 70
Development of autonomic neural responses in human heart. Coltart DJ, et al. Br Heart J 33:612, Jul 71
Role of peripheral vascular system in control of cardiac output, demonstrated by use of selective -adrenergic stimulating and blocking agents. Gibson DG, et al.
Br Heart J 33:615, Jul 71
Inhibitory and excitatory effects of sympathomimetic amines on muscle strips from the stomach of the guinea-pig. Bailey DM.
Br J Pharmacol 41:227-38, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Interactions of monoamine oxidase inhibition and sympathomimetic amines on the human iris. Bevan-Jones B, et al. Br J Pharmacol 41:428P+, Feb 71

Effects of progesterone on cardiovascular responses to amines and to sympathetic stimulation in the pithed rat. Fozard JR. Br J Pharmacol 41:187-97, Feb 71

Adrenoceptors in the cat choledochoduodenal junction studied in situ. Liedberg G, et al. Br J Pharmacol 39:619-26, Jul 70

A comparison of the analgesia produced by morphine and the sympathomimetic drugs. Major CT, et al. Br J Pharmacol 40:143P+, Sep 70

Adrenoceptor functions in the cat choledochoduodenal junction in vitro. Persson CG. Br J Pharmacol 42:447-61, Jul 71

Antagonism of hypotensive action of bethanidine by "common cold" remedy. Misage JR, et al. Br Med J 4:347, 7 Nov 70

Sympathomimetic drugs and repolarization of ventricular myocardium of the dog. Sparks HV Jr, et al. Cardiovasc Res 4:363-70, Jul 70

Pharmacological effects of H 56-28: a new -antagonist on the cardiovascular system. Trinker FR, et al. Cardiovasc Res 5:383-95, Jul 71

Autonomic control of cardiac C-AMP. LaRaia PJ, et al. Circ Res 28:377-84, Mar 71

Adrenergic modification of glucose-induced biphasic insulin release from perifused rat pancreas. Burr IM, et al. Eur J Clin Invest 1:216-24, Jan 71

Comparison of haemodynamic effects of alpha-sympathomimetic drugs. Autret AM, et al. Eur J Pharmacol 13:308-17, Jan 71

Analysis of the actions of alprenolol and propranolol on the beta adrenergic receptors controlling heart rate in the anaesthetized cat. Abiad B, et al. Eur J Immunol 14:319-32, May 71

Adrenergic innervation and receptors in the sphincter of Oddi. Mori J, et al. Eur J Immunol 14:365-73, May 71

Clinical pharmacology. Sympathetic amines. Macri FJ. Eye Ear Nose Throat Mon 49:510-1, Nov 70

Approach to a chemical interpretation of the activation mechanism of adrenergic receptors. Pratesi P, et al. Farmaco [Sci] 26:379-89, May 71

The effect of ovarian hormones on the adrenergic stimulation of the rabbit fallopian tube. Coutinho EM, et al. Fertil Steril 22:311-7, May 71

Effects of cocaine, amphetamine, ephedrine, and tyramine on the rate of relaxation of the nictitating membrane contracted by noradrenaline and its sensitivity to noradrenaline. Hoszowska A. Folia Biol (Krakow) 19:53-61, 1971

Demonstration of beta adrenergic receptors in the rabbit oviduct. Martin JE, et al. Gynecol Invest 1:82-91, 1970

Inhibition of the anaphylactic mechanism by sympathomimetic amines. Assem ES, et al. Int Arch Allergy Appl Immunol 40:376-89, 1971

Drug-induced modulation of the immunologic release of histamine and slow reacting substance of anaphylaxis. Orange RP, et al. Int Arch Allergy Appl Immunol 41:79-85, 1971

The effects of cholinergic and adrenergic drug stimulation of detrusor muscle. Malin JM Jr, et al. Invest Urol 8:286-91, Nov 70

Depression of proximal tubular sodium reabsorption in the dog in response to renal beta adrenergic stimulation by isoproterenol. Gill JR Jr, et al. J Clin Invest 50:112-8, Jan 71

The stimulus-secretion coupling of glucose-induced insulin release. I. Interaction of epinephrine and alkaline earth cations. Malaisse WJ, et al. J Lab Clin Med 76:895-902, Dec 70

The effect of directly and indirectly acting sympathomimetic amines on bronchospasm in the guinea-pig during CO2 inhalation. Atkinson JM, et al. J Pharm Pharmacol 22:488-95, Jul 70

Inhibitory effect of p-hydroxyphenylisopropylarterenol on the isolated human myometrium. Eliasson R. J Pharm Pharmacol 22:619-20, Aug 70

A comparison of the effects of isoprenaline, WG 253 and salbutamol on the tension and rate of rabbit isolated atria. Laity JL. J Pharm Pharmacol 23:633-4, Aug 71

Antagonism of acetylcholine-induced bronchospasm by WG 253, a new sympathomimetic amine. Turner P, et al. J Pharm Pharmacol 23:632, Aug 71

Unique beta adrenergic stimulation and blockade by quinterenol. Iorio LC, et al. J Pharmacol Exp Ther 178:509-16, Sep 71

Inhibition of the release of histamine from rat mast cells: the effect of cold and adrenergic drugs on release of histamine by compound 48-80 and antigen. Johnson AR, et al. J Pharmacol Exp Ther 175:632-40, Dec 70

Negative chronotropic effects of McN A-343 and nicotine in isolated guinea-pig atria: insensitivity to blockade by tetrodotoxin. Pappano AJ, et al. J Pharmacol Exp Ther 177:40-7, Apr 71

The effect of sympathomimetic drugs and sympathetic nerve stimulation on the activity of the rat ureter in vivo. Ancill RJ, et al. J Physiol (Lond) 213:67P-68P, Mar 71

Drug-induced pilomotion. An easily demonstrated alpha-effect of sympathomimetic drugs. Herxheimer A, et al. J Physiol (Lond) 208:9P-10P, May 70

Contractile responses of dog bladder neck muscle to adrenergic drugs. Rohner TJ, et al. J Urol 106:857-61, May 71

Further studies on the sympathomimetic action of tetanus toxin. Sanyal RK, et al. Jap J Pharmacol 21:317-23, Jun 71

Studies on tetrahydroisoquinolines (THI). 8. Pharmacological properties of metabolites of a new adrenergic -stimulant, trimetoquinol. Sato M, et al. Jap J Pharmacol 21:401-8, Jun 71

Modification of the pressor response to sympathomimetic amines by acutely administered reserpine in dogs. Takasaki K. Kurume Med J 18:89-102, 1971

Systemic arterial pressure changes cased by sympathomimetic amines and influence of norepinephrine infusion on chronically reserpinized dogs. Takasaki K. Kurume Med J 18:111-6, 1971

The effect of cocaine on the pressor response to sympathomimetic amines before and after acute reserpinization in dogs. Takasaki K. Kurume Med J 18:103-9, 1971

Enhancement of the alpha receptor blocking action of N-ethoxycarbonyl-2--ethoxy-1,2-dihydroquinoline (EEDQ) by amines. Kalsner S. Life Sci [I] 9:961-74, 1 Sep 70

Influence of adrenergic beta-receptor activity on blood flow and free fatty acid release in canine subcutaneous adipose tissue during hemorrhagic shock. Kovách AG, et al. Naunyn Schmiedebergs Arch Pharmakol 268:140-7, 1971

Cardiostimulatory effects of oxyfedrine, DMPP and sympathomimetics in relation to their 3H-noradrenaline-releasing properties. Kukovetz WR, et al. Naunyn Schmiedebergs Arch Pharmakol 268:59-70, 1971

Impairment of alpha receptor activity induced by cold storage in the isolated rabbit duodenum. Salimi M, et al. Pharmacology 4:341-6, 1970

The influence of adrenergic and some other cardioactive drugs on electric activity of the isolated frog atrium. Smejkal V, et al. Physiol Bohemoslov 19:23-5, 1970

The influence of the adrenergic drugs on the electrical responses of the rabbit isolated heart atrium. Smejkal V, et al. Physiol Bohemoslov 19:19-22, 1970

An introduction to salbutamol and other modern beta-adrenoreceptor stimulants. Jack D. Postgrad Med J 47:Suppl:8-11, Mar 71

Inhibition of cellular anaphylaxis by beta-stimulants. Martin LE. Postgrad Med J 47:Suppl:26-30, Mar 71

Some cardiac effects of beta-adrenergic stimulants in animals. Poynter D, et al. Postgrad Med J 47:Suppl:21-5, Mar 71

Modern views on pharmacology. VII. Peripheral adrenergic systems. Crossland J. Practitioner 207:114-20, Jul 71

Antagonism of formaldehyde-induced ocular hypertension by phenylethylamines. Chiang TS, et al. Proc Soc Exp Biol Med 135:249-52, Nov 70

Adrenergic control of canine synovial perfusion in experimentally induced osteoarthritis and synovitis. Dick W, et al. Res Vet Sci 11:587-90, Nov 70

A comparison of the effects of noradrenaline, adrenaline and some phenylephrine derivatives on alpha-, beta- and beta- adrenergic receptors. Offermeier J, et al. S Afr Med J 45:265-7, 6 Mar 71

Action of autonomic effector agents on the catecholamine secretion of the suprarenal medulla of the crow and the fowl. Ray B. Z Biol 116:327-31, Jun 70

[Local analgesics in tooth treatment--mode of operation and area of use] Sondergaard B. Tandlaegebladet 75:121-31, Feb 71 (Dan)

[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ. Pharm Weekbl 105:1393-425, 4 Dec 70 (113 ref.) (Dut)

[Hemodynamic effects of beta-receptor stimulants after beta-adrenergic blockade and theophylline] Stauch M, et al. Ann Cardiol Angeiol (Paris) 20:71-2, Jan-Feb 71 (Fre)

[Indirect action of sympathomimetic amines on the isolated and perfused myocardium of the rat] Cession-Fossion A. Arch Int Pharmacodyn Ther 190:383-92, Apr 71 (Fre)

[Effect of sympathomimetics on the vasomotor centers] Schmitt H, et al. Arch Int Pharmacodyn Ther 190:229-40, Apr 71 (Fre)

[Experimental study in the guinea pig of the mechanism of action of some anti-arrhythmic drugs] Boissier JR, et al. Arch Mal Coeur 63:1573-86, Nov 70 (Fre)

[Experimental study of sympathicomimetic properties of various types of amines and their iodinated derivatives. Application of the achieved data to the study of the structure of adrenergic receptors] Klepping J, et al. Arch Sci Physiol (Paris) 25:85-131, 1971 (Fre)

[Lipolytic activity of some diiodinated sympathomimetics in the p-hydroxyphenylethanolamine line] Truchot R, et al. Arch Sci Physiol (Paris) 25:133-44, 1971 (Fre)

[Direct pharmacological proof that beta-adrenergic receptors involved in the insulin secretion are of the beta-2 type] Mariani MM, et al. C R Acad Sci [D] (Paris) 271:1046-8, 21 Sep 70 (Fre)

[Influence of respiratory acidosis on the cardio-accelerative effect of catecholamines] Baïsset A, et al. C R Soc Biol (Paris) 164:460-4, 25 Sep 70 (Fre)

[Influence of reserpine and adrenergic alpha and beta blockaders on blood pressure effects of various sympathomimetics] Besson S, et al. C R Soc Biol (Paris) 164:1309-11, 1970 (Fre)

[Biphasic modifications of the pressor action of vasopressive amines by a derivative of benzocycloheptathiophene (IB 503)] Boissier JR, et al. C R Soc Biol (Paris) 164:259-64, 25 Sep 70 (Fre)

[Effects of ergot alkaloids on the vasomotor centers and their inhibition by clonidine] Schmitt H, et al. C R Soc Biol (Paris) 164:1006-9, 1970 (Fre)

[Sedation phenomena induced by alpha sympathomimetic substances] Delbarre B, et al. J Physiol (Paris) 62:Suppl 2:287, 1970 (Fre)

[The effect of alpha and beta adrenergic stimulation and blockage in the normal and diabetic rat] Korec R, et al. J Physiol (Paris) 62:Suppl 3:395-6, 1970 (Fre)

[Demonstration of participation of adrenergic regulations in variations of appetency for alcohol in rats] Soulairac A, et al. J Physiol (Paris) 62:Suppl 2:318-9, 1970 (Fre)

[A new method of studying adrenergic effects: the use of an association of desipramine-pyrogallol for the revelation of adrenergic mechanisms in vivo] Caillard C, et al. Pathol Biol (Paris) 19:149-56, Feb 71 (Fre)

[Modifications by some vasoactive drugs of the effects of an encephalic ischemic anoxia in cats] Streichenberger G, et al. Therapie 25:1003-16, Nov-Dec 70 (Fre)

[Age dependency of the effect of sympathomimetics on the gas metabolism in rats. II. Calorigenic effect of tyramine and phenylethylamine and the effect on it of cocaine, guanethidine or reserpine pretreatment] Müller D, et al. Acta Biol Med Ger 24:873-83, 1970 (Ger)

[Beta-sympathomimetic effect of d- and l-Clorprenaline in normal and reserpinized dogs] Igarashi T, et al. Arzneim Forsch 20:1738-41, Nov 70 (Ger)

[Pharmacologic influencing of the larger veins] Felix W. Dtsch Med J 22:422-5, 5 Jul 71 (Ger)

[Beta adrenergic receptors as mediators of renin release] Meurer KA, et al. Dtsch Med Wochenschr 96:749-51, 23 Apr 71 (Ger)

[Metabolic effects of some new beta-adrenergic stimulants] Marmo E. Experientia 26:1113-5, 15 Oct 70 (Ger)

[Effect of alpha- and beta-adrenergic drugs on the human uterus and their adverse effect on mother and child] Jung H, et al. Geburtshilfe Frauenheilkd 31:11-27, Jan 71 (Ger)

[Effectiveness of some "blood circulation drugs" in oral administration] Schuhmann R, et al. Med Klin 65:1399-404, 31 Jul 70 (Ger)

[Mechanism of action of oxyfedrin] Habersang S. Naunyn Schmiedebergs Arch Pharmakol 266:344-5, 1970 (Ger)

[Peripheral and central circulatory effect of the alpha-sympathomimetic 2-(2,6-xylidino)-5,6-dihydro-4H-1,3-thiazine-HCl (BAY 1470)] Heise A, et al. Naunyn Schmiedebergs Arch Pharmakol 266:350-1, 1970 (Ger)

[Alpha- and beta-sympathomimetic effects on the electrically stimulated isolated guinea pig ileum] Oberdorf A, et al. Naunyn Schmiedebergs Arch Pharmakol 267:195-207, 1970 (Ger)

[Neurogenic vasodilatation caused by sympathomimetics] Osswald W. Naunyn Schmiedebergs Arch Pharmakol 265:67-90, 1969 (Ger)

[Indirect sympathomimetic effect of heptaminol on heart muscle] Reiter M. Naunyn Schmiedebergs Arch Pharmakol 267:114-22, 1970 (Ger)

[Effect of sympathomimetics on ureteral dynamics] Melchior H, et al. Urologe 8:348-52, Nov-Dec 69 (Ger)

[Vasopressor effects of angiotensin, noradrenaline and tyramine in patients with pheochromocytoma] Lieban H, et al. Verh Dtsch Ges Inn Med 75:183-6, 1969 (Ger)

[Effects of hexoprenaline (ST 1512, Ipradol) on blood coagulation and fibrinolysis] Fischer M. Wien Klin Wochenschr 83:130-4, 26 Feb 71 (Ger)

[Effects on the circulation and tolerance of broncholytic agent ST 1512 (Hexoprenaline, Ipradol)] Kiesewetter E. Wien Klin Wochenschr 83:101-4, 12 Feb 71 (Ger)

[Relaxation of the uterus and Fallopian tubes by beta sympathomimetics] Erb H. Zentralbl Gynaekol 93:513-8, 17 Apr 71 (Ger)

[The role of the local anesthetic effect in the inhibition of glycogen catabolism in the rat liver] Pogátsa G, et al. Orv Hetil 112:1351-2, 6 Jun 71 (Hun)

[Adrenergic receptors: actual knowledge and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

pharmacologic application in anesthesia] Pollazzon G, et al.
Acta Anaesthesiol (Padova) 20:405-25, Mar-Apr 69 (Ita)
[Effect of chemical mediators of nervous regulation on the gastro-duodenal electric activity in dogs] Lanfranchi GA, et al.
Arch Ital Mal Appar Dig 36:144-65, May-Aug 69 (Ita)
[Potentiation with cocaine of substances with tono-stimulating action on isolated arteries] Campese VM, et al.
Boll Soc Ital Biol Sper 45:1564-6, 15 Dec 69 (Ita)
[Hemodynamic effects of some adrenergic drugs on heart-lung preparations] Manni C, et al.
Minerva Anestesiol 36:245-62, Apr 70 (Ita)
[On the cardiovascular and anti-arrhythmic effects of methoxamine, isopropoxamine and butoxamine] Marmo E. Minerva Cardioangiol 18:426-48, Jul 70 (Ita)
[The influence of alpha-beta blocking agents on fibrinolysis induced by acetylcholine in humans] Brunetti S, et al.
Riv Crit Clin Med 67:246-55, Aug 67 (Ita)
[Studies on the protein content in the aqueous humour of the living rabbits. 4. Effects of beta-stimulant and beta-blockade] Takase M.
Acta Soc Ophthalmol Jap 75:256-60, 20 Jan 71 (Jap)
[Studies on the protein content in the aqueous humor of the living rabbits. 3. Effects of sympathomimetic amines and blockers on the protein content of rabbit aqueous humour] Takase M.
Acta Soc Ophthalmol Jap 74:1286-92, Sep 70 (Jap)
[Action mechanism of ACTH--with special reference to the significance of adrenergic agents] Matsukura S.
Folia Endocrinol Jap 46:618-24, 20 Sep 70 (Jap)
[Effects of cholinergic and adrenergic drugs on junction potential of the longitudinal muscle of the guinea pig vas deferens] Ozawa H, et al.
Folia Pharmacol Jap 66:627-42, 1970 (Jap)
[Comparative evaluation of the bronchodilator effects and cardiovascular effects of 3 beta adrenergic stimulants in bronchial asthma--comparison of isoproterenol, metaproterenol and salbutamol] Matsumoto S, et al.
Jap J Allergy 20:599-609, Aug 71 (Jap)
[Pharmacological responses of the rabbit's spleen strip with particular reference to the contracting mechanisms of various drugs] Hongo H
Med J Kobe Univ 31:127-52, Dec 69 (Jap)
[Effects of alpha and beta receptor simulating agents on regional myocardial blood flow] Uchida Y, et al.
Saishin Igaku 26:1382-3, Jul 71 (Jap)
[Advances in pulmonology. Sympathicomimetic bronchodilators] Droszcz W.
Pol Arch Med Wewn 45:591-3, Oct 70 (Pol)
[Effect of certain adrenergic and adrenolytic drugs on tissue blood flow determined by the radioactive xenon method] Halawa B, et al.
Pol Tyg Lek 25:1792-4, Nov 70 (Pol)
[Effect of adrenergic drugs on venous blood outflow from the rat brain] Gorshkova VK, et al.
Biull Eksp Biol Med 72:58-60, Jul 71 (Rus)
[Nature of the central adreno- and serotonin-sensitive structures participating in the facilitating influence of bioamines on the respiratory reflex from the upper respiratory passages] Komissarov IV, et al.
Biull Eksp Biol Med 70:52-5, Oct 70 (Rus)
[Characteristics of the effect of adrenergic substances on collateral coronary circulation] Gatsura VV, et al.
Kardiologiia 10:33-9, Sep 70 (Rus)
[Role of hormones in regulation of the activity of the cholinergic structures of autonomic ganglia] Speranskaia EN, et al.
Vestn Leningr Univ [Biol] 1:108-13, Feb 70 (Rus)
[Deamination of some biogenic monoamines and succinate dehydrogenase activity in mitochondria] Gorkin VZ, et al.
Vopr Med Khim 17:65-73, Jan-Feb 71 (Rus)
[Symposium of lung doctors. 4. In vitro effect of broncholytics] Svedmyr N.
Lakartidningen 68:594-5 passim, 3 Feb 71 (Swe)
[Pharmacology of adrenergic substances] Chekman IS.
Farm Zh 26:25-8, Jan-Feb 71 (29 ref.) (Ukr)
[Neurochemical mechanisms of the activity of limbic-reticular formations] Vediaev FP.
Fiziol Zh 16:172-81, Mar-Apr 70 (Ukr)

PHYSIOLOGY

[Pharmacology of the adrenergic system. 3. Interaction of drugs with adrenergic receptors] Ariëns EJ.
Ned Tijdschr Geneeskd 114:2049-65, 5 Dec 70 (120 ref.) (Dut)

THERAPEUTIC USE

Studies on Terbulaline, a new selective bronchodilating agent. Introductory remarks.
Acta Med Scand [Suppl] 512:Suppl 512:7-9, 1970
The relaxant action of ritodrine, a sympathomimetic amine, on the uterus during term labor. Landesman R, et al. Am J Obstet Gynecol 110:111-4, 1 May 71
Controlled trial of oxprenolol and practolol in hypertension. Leishman AW, et al.
Br Med J 4:342-4, 7 Nov 70
Results of double-blind, multicentre study with ritodrine in premature labour. Wesselius-de Casparis A, et al. Br Med J 3:144-7, 17 Jul 71
Indications for adrenergic stimulators in shock. Mills LC, et al.
Int Z Klin Pharmakol Ther Toxikol 4:385-95, Jun 71
Prevention of death from endotoxin with antisera. II. Elimination of the risk of anaphylaxis to endotoxin. Brown KR, et al. J Immunol 106:324-33, Feb 71
The effect of some vasoactive agents on portal hypertension. Ghanem MH, et al.
J Trop Med Hyg 73:223-8, Sep 70
Inhibition of allergic reactions by beta-adrenergic stimulants. Assem ES.
Postgrad Med J 47:Suppl:31-4, Mar 71
Treatment of migraine. Practitioner 206:551-4, Apr 71
The effect of a new sympathomimetic beta-receptor stimulating drug (terbutaline) on arterial blood gases in bronchial sthma. DaCosta J, et al.
Scand J Resp Dis 51:212-7, 1970
The effect of a new sympathomimetic beta-receptor stimulating drug (terbutaline) on the pulmonary mechanics in bronchial asthma. Hedstrand U.
Scand J Resp Dis 51:188-94, 1970
[Drug-induced arrest of a pathological labor] Huter J.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:432-4, 1968 (Fre)
[Influence of several drugs of the adrenergic sphere on rat paw inflammatory edema. I. Action of naphtazoline, ephedrine, metaraminol, bamethan, yohimbin and propranolol] Marçais H, et al.
C R Soc Biol (Paris) 164:773-5, 1970 (Fre)
[Comparative effects of a new beta-adrenergic stimulant in asthma] Gayrard P, et al.
Presse Med 78:2337-8, 5 Dec 70 (Fre)
[Nonsteroid drug therapy of atopy] Lecomte J.
Rev Med Liege 25:Suppl 1:141+, Dec 70 (Fre)
[The influence of 2-(1,2,3,4-tetrahydroxy-1-naphthylamino)-2-imidazoline hydrochloride on intraocular pressure and conjunctival hyperemia of the human eye] Aust W, et al. Arzneim Forsch 20:1557-8, Oct 70 (Ger)
[Ceglunat intoxication in childhood and treatment with Alupent] Schwarz E.
Dtsch Gesundheitsw 26:364-7, 18 Feb 71 (Ger)
[Intravenous long-term inhibition of labor using beta-mimetics and blocking of side effects] Rippert C, et al.
Geburtshilfe Frauenheilkd 31:710-4, Aug 71 (Ger)
[Use of beta adrenergic substances in the therapy of severe gestoses without endangering the child] Vahrson H, et al.
Geburtshilfe Frauenheilkd 31:536-45, Jun 71 (Ger)
[Angiotics. 48. I. Hypertensive agents. II. Hypotensive agents. 3. Vasodilator agents. IV. Agents for the treatment of lipid metabolism disorders] Seichau M.
Pharm Prax 9:200-16 contd, 1970 (95 ref.) (Ger)
[Internal therapy of peripheral arterial blood circulation disorders] Bollinger A.
Schweiz Med Wochenschr 100:774-7, 2 May 70 (Ger)
[Experiences with hexoprenaline in the therapy of bronchial asthma in children] Stur O.
Wien Med Wochenschr 120:670-1, 26 Sep 70 (Ger)
[A new drug for chronic treatment of bronchospastic states] Titscher R.
Wien Med Wochenschr 121:146-7, 20 Feb 71 (Ger)
[Treatment of threatened abortion and premature labor with Duvadilan] Neumann H, et al.
Zentralbl Gynaekol 92:1100-8, 22 Aug 70 (Ger)
[Alpha- and beta-stimulating drugs and oxyphenyloxyethylaminoethane hydrochloride in the treatment of shock] Di Corato R, et al.
Acta Anaesthesiol (Padova) 21:673-9, Sep-Oct 70 (Ita)
[Therapeutic considerations on kinetoses] Ferrotti A.
Minerva Med 61:1408-16, 7 Apr 70 (Ita)
[Current views on the use of sympathomimetic amines in shock caused by myocardial infarct] Guerricchio G.
Minerva Med 62:586-91, 14 Feb 71 (Ita)
[Controlled double-blind clinical study of a new rhinologic preparation with mucolytic-anti-inflammatory action] Balli R.
Otorinolaringol Ital 37:455-64, 1969 (Ita)
[Use of a new mycolytic-anti-inflammatory combination in rhinology] Martines G.
Otorinolaringol Ital 37:479-85, 1969 (Ita)
[Use of some beta-adrenergic stimulators in the treatment of critical states of the cardiovascular system] Gavrilescu S, et al.
Med Interna (Bucur) 22:1201-16, Oct 70 (Rum)
[Comparative study of the action of beta-sympathomimetic bronchodilator agents in chronic obstructive pneumopathy] Racoveanu C, et al.
Stud Cercet Med Interna 12:151-60, 1971 (Rum)
[Possible existence of an antiradioprotective effect of catecholamines] Kulinskif VI.
Biull Eksp Biol Med 71:31-4, Jan 71 (Rus)
[The effect of phetanol on the contractile function of the myocardium in arterial hypotension] Rybakov VK, et al. Vrach Delo 53-6, Jan 71 (Rus)
[Effect of a selective beta-2-stimulating sympathicomimetic on lung function, intrapulmonary gas exchange and physical working capacity in bronchial asthma] Koch K, et al.
Nord Med 84:1504-5, 19 Nov 70 (Swe)
[Clinical testing of a bronchoselective, adrenergic beta receptor stimulator--Salbutamol (ventolin)] Svedmyr N, et al. Nord Med 85:511-2, 22 Apr 71 (Swe)
[Bronchodilator drugs. Mechanisms of action and interactions] Svedmyr N.
Nord Med 85:511, 22 Apr 71 (Swe)

SYMPATHOMIMETICS, NERVE ENDING see under SYMPATHOMIMETICS (D5)

SYNALAR see FLUOCINOLONE ACETONIDE (D2, D8)

SYNAPSES (A8)

Physical studies of the interactions of acetylcholine chloride with membrane constituents. Hauser H, et al.
Biochem J 120:329-35, Nov 70
Statistical signs of synaptic interaction in neurons. Moore GP, et al. Biophys J 10:876-900, Sep 70
Role of transmitter uptake mechanisms in synaptic neurotransmission. Iversen LL.
Br J Pharmacol 41:571-91, Apr 71 (107 ref.)
Zinc iodide-osmium tetroxide reaction in the spinal cord of goldfish. Dennison ME.
Brain Res 27:357-9, 2 Apr 71
On synaptic vesicles, complex vesicles and dense projections. Gray EG, et al.
Brain Res 24:149-68, 1 Dec 70
Synaptic vesicles in freeze-etched electric tissue of Torpedo. Nickel E, et al. Brain Res 23:95-100, 29 Sep 70
The identification of fractions enriched in nonmyelinated axons from rat whole brain. Lemkey-Johnston N, et al.
Exp Brain Res 11:392-410, 26 Nov 70
Axonal regeneration and formation of synapses proximal to the site of lesion following hemisection of the rat spinal cord. Bernstein JJ, et al.
Exp Neurol 30:336-51, Feb 71
The normal postnatal development of synaptic end-feet in the lumbosacral spinal cord and of responses in the hind limbs of the albino rat. Steitner DJ.
Exp Neurol 31:337-57, Jun 71
Presynaptic organelles and junctional integrity. Bodian D. J Cell Biol 48:707-11, Mar 71
Electron stereoscopy as a means of classifying synaptic vesicles. Dennison ME. J Cell Sci 8:525-39, Mar 71
The question of relationship between Golgi vesicles and synaptic vesicles in Octopus neurons. Gray EG. J Cell Sci 7:189-201, Jul 70
A note on synaptic structure of the retina of Octopus vulgaris. Gray EG. J Cell Sci 7:203-15, Jul 70
The synaptology of the granule cells of the olfactory bulb. Price JL, et al. J Cell Sci 7:125-55, Jul 70
Increase in number of synapses in the inner plexiform layer of light deprived rat retinae: quantitative electron microscopy. Sosula L, et al.
J Comp Neurol 141:427-51, Apr 71
Synapses made by myelinated fibers running to teleost and elasmobranch retinas. Witkovsky P.
J Comp Neurol 142:205-21, Jun 71
Growth and development of sympathetic ganglion: maturation of transmitter enzymes and synapse formation in the mouse superior cervical ganglion. Black IB, et al. J Physiol (Lond) 215:24P-25P, May 71
The effect of intertectal neuronal connexions of rearing Xenopus laevis in total darkness. Feldman JD, et al. J Physiol (Lond) 212:44P-45P, Jan 71
Autoradiography of labelled amino acids injected iontophoretically into the giant squid synapse. Heuser J, et al. J Physiol (Lond) 208:55P-57P, Jun 70
An efferent synapse from a small granule-containing cell to a principal neurone in the superior cervical ganglion. Matthews MR, et al.
J Physiol (Lond) 210:11P-14P, Sep 70
Synaptic connexions in the glomerular layer of the olfactory bulb. Pinching AJ.
J Physiol (Lond) 210:14P-15P, Sep 70
Changes in the spatial distribution of synaptic vesicles within degenerating endings of locust motoneurones. Rees D, et al. J Physiol (Lond) 211:Suppl:15P+, Dec 70
The cytochemistry of synaptic densities. I. An analysis of the bismuth iodide impregnation method. Pfenninger KH. J Ultrastruct Res 34:103-22, Jan 71
Uptake of dihydromorphine-3H by synaptosomes. Hug CC Jr, et al. Life Sci [I] 10:201-13, 15 Feb 71
Association of bromide with the synaptosomal fraction of mouse brain. Kuriyama K.
Life Sci [I] 9:1371-80, 1 Dec 70
Inhibition of dopamine uptake into synaptosomes of rat corpus striatum by chlorpheniramine and its structural analogs. Symchowicz S, et al.
Life Sci [I] 10:35-42, 1 Jan 71
Evidence for presynaptic dendrites and a proposal for their mechanism of action. Raiston HJ 3d.
Nature (Lond) 230:585-7, 30 Apr 71
Isolation of the cholinergic receptor protein.
Nature (Lond) 229:523-4, 19 Feb 71
Synaptic vesicles in sympathetic neurons. Geffen LB, et al. Physiol Rev 51:98-157, Jan 71 (423 ref.)
Visual identification of synaptic boutons on living ganglion cells and of varicosities in postganglionic

axons in the heart of the frog. McMahan UJ, et al. Proc R Soc Lond [Biol] 177:485-508, 27 Apr 71
The retinal bipolar cells and their synapses in the inner plexiform layer. Allen RA. UCLA Forum Med Sci 8:101-43, 1969
Presynaptic tubular structures in photoreceptor cells. De Iraldi AP, et al. Z Zellforsch Mikrosk Anat 113:39-43, 1971
The synaptic organization in the medial geniculate body of afferent fibres ascending from the inferior colliculus. Jones EG, et al. Z Zellforsch Mikrosk Anat 113:44-66, 1971
Somato-dendritic synapses in the paraventricular organ of two anuran species. Peute J. Z Zellforsch Mikrosk Anat 112:31-41, 1971
The nematocyte complex in a Hydromedusan, Gonionemus vertens. Westfall JA. Z Zellforsch Mikrosk Anat 110:457-70, 1970
The nematocyte complex in a Hydromedusan, Gonionemus vertens. Westfall JA. Z Zellforsch Mikrosk Anat 10:457-70, 1970
[Organoids appearing in photoreceptor synapses] Radnot M, et al. Bull Mem Soc Fr Ophtalmol 81:609-14, 1968 (Fre)
[Phenomena of temporal facilitation observed at the level of synapses of static fusimotor fibers in the cat] Bessou P, et al. C R Acad Sci [D] (Paris) 271:2145-8, 9 Dec 70 (Fre)
[Comparative studies on elementary structures in adrenergic nerve endings of the CNS in rats by means of ultrathin section and freeze-etching technic] Zapf K, et al. Acta Biol Med Ger 24:921-3, 1970 (Ger)
[Synapses in exocrine glands] Kühnel W. Naturwissenschaften 58:369, Jul 71 (Ger)
[Cell membrane in synaptic transmission, with special reference to acetylcholine receptor] Shinozaki H, et al. Saishin Igaku 25:2461-9, Dec 70 (89 ref.) (Jap)
[Effectiveness of dendritic synapses] Gutman AM. Biofizika 16:128-34, Jan-Feb 71 (Rus)
[Synaptic reactions of sensory-motor cortex neurons to direct cortical stimulation] Voronin LL. Biull Eksp Biol Med 70:15-9, Nov 70 (Rus)
[Axodendritic connections of the reticular formation of the brain stem in reptiles] Kositsyn NS. Dokl Akad Nauk SSSR 187:942-4, Aug 69 (Rus)
[Ultrastructural organization of presynaptic formations in the neuropil of insects] Basurmanova OK. Tsitologiia 13:163-9, Feb 71 (Rus)
[Ultrastructure of the optic nerve axon terminals in frogs in the course of degeneration] D'iachkova LN, et al. Tsitologiia 12:725-32, 1970 (Rus)
[Morphologic changes in the neurons and synapses of the cerebral cortex in epilepsy] Blinova KK, et al. Zh Nevropatol Psikhiatr 71:101-5, 1971 (Rus)
[Axo-somatic contacts in senile dementia] Paviova GA. Zh Nevropatol Psikhiatr 71:413-6, 1971 (Rus)
[An electron microscopic study of the intertwined synapses in the visual region of the cortex] Vorob'eva TV. Zh Nevropatol Psikhiatr 70:545-50, 1970 (Rus)
[Physiological and structural-chemical basis of the neuron memory] Shtark MB, et al. Fiziol Zh 14:550-62, Jul-Aug 68 (164 ref.) (Ukr)

ANALYSIS

Enzymatic digestion of synaptic ribbons in amphibian retinal photoreceptors. Bunt AH. Brain Res 25:571-7, 5 Feb 71
Ultrastructural stability of contact regions of phospholipase-treated synapses from rat motor cortex. Cedergren E, et al. Brain Res 24:139-42, 11 Nov 70
Chemical and metabolic characteristics of synaptic complexes from brain isolated by zonal centrifugation in a cesium chloride gradient. Kornguth SE, et al. J Biol Chem 246:1177-84, 25 Feb 71
Molecular biology of synaptic receptors. De Robertis E. Science 171:963-71, 12 Mar 71

ANATOMY & HISTOLOGY

The ontogenesis of cortical circuitry: the spatial distribution of synapses in somesthetic cortex of newborn dog. Molliver ME, et al. Ergeb Anat Entwicklungsgesch 42:5-53, 1970
[Fortin's apparatuses] Hervouët F. Bull Mem Soc Fr Ophtalmol 82:535-44, 1969 (Fre)

CYTOLOGY

Synaptic connections of the paracervical (Frankenhäuser) ganglion of the rat uterus examined with the electron microscope after division of the sympathetic and sacral parasympathetic nerves. Mustonen T, et al. Acta Physiol Scand 82:264-7, Jun 71
Shapes and sizes of synaptic vesicles in the cerebellum of the Syrian hamster-cortex and deep nuclei. Duncan D, et al. Anat Rec 168:1-7, Sep 70
Further observations on the enlargement of synaptic vesicles in degenerating optic nerve terminals of the avian tectum. Akert K, et al. Brain Res 25:255-63, 22 Jan 71
Structural identification and distribution of synaptic profiles in the octopus brain using the zinc iodide-osmium method. Barlow J, et al. Brain Res 25:241-53, 22 Jan 71
Enzymic dissection of cerebral cortex synapses. Barrantes FJ, et al. Brain Res 23:305-13, 28 Oct 70
Double-walled exo-endocytosis between synaptic terminals. Estable-Puig JF, et al. Brain Res 28:172-5, 16 Apr 71
Dendro-dendritic synapses in the lateral geniculate nucleus of the cat. Famiglietti EV Jr. Brain Res 20:181-91, 3 Jun 70
A study of the presynaptic network of octopus synaptosomes. Jones DG. Brain Res 20:145-58, 3 Jun 70
Symmetrical axo-axonic synapses in the axon cap of the goldfish Mauthner cell. Kono K. Brain Res 23:355-8, 13 Oct 70
Selective zinc iodide-osmium tetroxide impregnation of synaptoid vesicles in the rat neurohypophysis. Rufener C, et al. Brain Res 22:402-5, 16 Sep 70
Synaptic organisation of the pigeon's optic tectum: a golgi and current source-density analysis. Stone J, et al. Brain Res 27:203-21, 2 Apr 71
Fine structural aspects of the synaptic organization of the spinal trigeminal nucleus (pars interpolaris) of the cat. Westrum LE, et al. Brain Res 25:265-87, 22 Jan 71
Morphology of cortical synapses. Colonnier M. Electroencephalogr Clin Neurophysiol 29:409-10, Oct 70
An electron microscopic analysis of pyramidal tract termination nn the spinal cord of the cat. Dyachkova LN, et al. Exp Brain Res 12:105-19, 25 Feb 71
Observations on synaptic patterns in the dorsal lateral geniculate nucleus of the cat: the C laminae and the perikaryal synapses. Guillery RW, et al. Exp Brain Res 12:184-203, 25 Feb 71
Ultrastructural synaptology of Clarke's column. Réthelyi M. Exp Brain Res 11:159-74, 1970
Effect of stimulation on synaptic vesicles in the superior cerivcal ganglion of the cat. Friesen AJ, et al. Experientia 27:285-7, 15 Mar 71
Synapses of adrenergic fibres. Gabella G. Experientia 27:280-1, 15 Mar 71
Action of p-chlorophenylalanine on the synaptic vesicles from rat pineal nerves. Pellegrino de Iraldi A, et al. Experientia 27:289-90, 15 Mar 71
Ultrastructural studies in the developing cerebellum. Del Cerro MP, et al. Int J Neurol 7:213-7, 1970
Presynaptic organelles and junctional integrity. Bodian D. J Cell Biol 48:707-11, Mar 71
Fine structure of the medial nucleus of the trapezoid body of the bat with special reference to two types of synaptic endings. Nakajima Y. J Cell Biol 50:121-34, Jul 71
Methods of fixation and the morphology of synaptic vesicles. Valdivia O. J Comp Neurol 142:257-73, Jul 71
The isolation of synaptosomes from the brain of a teleost fish, Centropristes striatus. Whittaker VP, et al. J Neurochem 18:173-6, Feb 71
Effects of stimulation on synaptic vesicles in sympathetic ganglia, as shown by fixation n the presence of Mg2+. Birks RI. J Physiol (Lond) 216:28P-29P, Jul 71
Ultrastructure of lizard ventricular muscle. Forbes MS, et al. J Ultrastruct Res 34:439-51, Mar 71
Synaptic adjustment after deafferentation of the superior colliculus of the rat. Lund RD, et al. Science 171:804-7, 26 Feb 71
The synapse en marron between golgi II neurons and mossy fibers in the rat's cerebellar cortex. Chan-Palay V, et al. Z Anat Entwicklungsgesch 133:274-87, 1971
Dendrodendritic synapses of cells that have axons: the fine structure of the Golgi type II cell in the medial geniculate body of the cat. Morest DK. Z Anat Entwicklungsgesch 133:216-46, 1971
Some finestructural observations on the small vesicular components in the posterior pituitary nerve fibres of rabbit. Christ JF, et al. Z Mikrosk Anat Forsch 81:329-44, 1970
Quantitative studies of postnatal changes in synapses in rat superficial motor cerebral cortex. An electron microscopical study. Armstrong-James M, et al. Z Zellforsch Mikrosk Anat 110:559-68, 1970
Quantitative studies of postnatal changes in synapses in rat superficial motor cerebral cortex. An electron microscopical study. Armstrong-James M, et al. Z Zellforsch Mikrosk Anat 10:559-68, 1970
Fine structure of synaptic contacts in the first order giant fibre system of the squid. Gervasio A, et al. Z Zellforsch Mikrosk Anat 112:85-96, 1971
Morphology of superficial postnatal cerebral cortex with special reference to synapses. Johnson R, et al. Z Zellforsch Mikrosk Anat 110:540-58, 1970
Morphology of superficial postnatal cerebral cortex with special reference to synapses. Johnson R, et al. Z Zellforsch Mikrosk Anat 10:540-58, 1970
On the neurons and synapses of the lateral geniculate nucleus of the monkey, and the effects of eye enucleation. Le Vay S. Z Zellforsch Mikrosk Anat 113:396-419, 1971
Electron microscopic observations on synapse-like contacts between pituicytes and different types of nerve fibers in the anuran pars nervosa. Nakai Y. Z Zellforsch Mikrosk Anat 110:27-39, 1970
The fine structure of the central synaptic contacts on an identified Crustacean motoneuron. Sandeman DC, et al. Z Zellforsch Mikrosk Anat 119:515-25, 1971
[Synaptic vesicles and pouches at the level of "active zones" of the neuromuscular junction] Couteaux R, et al. C R Acad Sci [D] (Paris) 271:2346-9, 21 Dec 70 (Fre)
[Impregnation of mitochondria as a method for studying the arrangement of synapses in neuropil (light and electron microscopic observations in the cat's brain stem] Němeček S, et al. Brain Res 18:393-410, 17 Mar 70 (Ger)
[Structure and ultrastructure of neurons and synapses] Akert K. Klin Wochenschr 49:509-19, 1 May 71 (Ger)
[Ultrastructure of synapses in the posterior nucleus of the rat hypothalamus] Agadzhanova TA. Arkh Anat Gistol Embriol 58:48-55, Jun 70 (Rus)
[Dynamics of destructive and restorative processes in the interneuron synapses] Babmindra VP, et al. Arkh Anat Gistol Embriol 58:82-90, 1970 (Rus)
[Morphology of the chromophobic phase of the interneuronal synapse in the central nervous system] Iontov AS, et al. Arkh Anat Gistol Embriol 59:16-21, Sep 70 (Rus)
[Ultrastructure of neurons and synapses of the dorsal cochlear nucleus of the brain stem in cats] Mikeladze AL, et al. Arkh Anat Gistol Embriol 58:18-27, Nov 70 (Rus)
[Axodendritic synapses with a subsynaptic stria in the reticular formation of reptiles] Kositsyn NS. Dokl Akad Nauk SSSR 189:1404-6, 21 Dec 69 (Rus)
[Comparative characteristics of the ultrastructure of visual cortex synapses during functional changes in the early postnatal period] Iakovleva NI, et al. Zh Nevropatol Psikhiatr 71:428-37, 1971 (Rus)

DRUG EFFECTS

Some observations on the experimental production of acute neuroaxonal and synaptosomal dystrophy. Koenig H. Acta Neuropathol (Berl) 5:Suppl 5:126-31, 1971
Presynaptic aspects of neuromuscular transmission and block. Foldes FF. Anaesthesist 20:6-19, Jan 71 (125 ref.)
Subcellular localization of mescaline at the synapse. Denber HC, et al. Arzneim Forsch 20:903-5, Jul 70
The synaptolytic effect of thiamine related to its interaction with neurotransmitters. Galzigna L. Biochem Pharmacol 18:2485-93, Oct 69
Some effects of phenobarbitone on the properties of synaptosomes. Balfour DJ, et al. Br J Pharmacol 41:400P, Feb 71
The effect of drug pretreatment on synaptic activity in Helix brain. Kerkut GA, et al. Br J Pharmacol 40:561P+, Nov 70
The effect of tetanus toxin on boutons terminaux. Illis LS, et al. Brain Res 18:283-95, 3 Mar 70
Memory consolidations in rats with sulfide-loaded hippocampal zinc-rich synapses. McLardy T. Exp Neurol 29:468-72, Dec 70
Experimental alteration of coupling resistance at an electrotonic synapse. Asada Y, et al. J Cell Biol 49:159-72, Apr 71
Morphological correlates of increased coupling resistance at an electrotonic synapse. Pappas GD, et al. J Cell Biol 49:173-88, Apr 71
The pharmacology of efferent synapses in the lateral-line system of Xenopus laevis. Russell IJ. J Exp Biol 54:643-58, Jun 71
Desensitization of gamma aminobutyric acid (GABA) receptors in muscle fibers of the crab Cancer borealis. Epstein R, et al. J Gen Physiol 56:33-45, Jul 70
Actions of LSD-25 and reserpine on a serotonergic synapse. Cottrell GA. J Physiol (Lond) 208:28P-29P, May 70
Effect of lithium on content and uptake of norepinephrine and 5-hydroxytryptamine in mouse brain synaptosomes and mitochondria. Kuriyama K, et al. Life Sci [I] 9:1213-20, 1 Nov 70
Effects of L-dopa on efflux of cerebral monoamines from synaptosomes. Ng KY, et al. Nature (Lond) 230:331-2, 2 Apr 71
"Disjunction" of frog neuromuscular synapses by treatment with proteolytic enzymes. Betz W, et al. Nature [New Biol] 232:94-5, 21 Jul 71
Penicillin as an epileptogenic agent: its effect on the squid axon and stellate ganglion. Ayala GF, et al. Neurology (Minneap) 20:415, Apr 70
Differential chemosensitivity of synaptic and extrasynaptic areas on the neuronal surface membrane in parasympathetic neurons of the frog, tested by microapplication of acetylcholine. Harris AJ, et al. Proc R Soc Lond [Biol] 177:541-53, 27 Apr 71
The development of chemosensitivity in extrasynaptic areas of the neuronal surface after denervation of parasympathetic ganglion cells in the heart of the frog. Kuffler SW, et al. Proc R Soc Lond [Biol] 177:555-63, 27 Apr 71
[Action of hemicholinium on a central synapse in Aplysia] Stinnakre J. J Physiol (Paris) 62:Suppl 3:452-3, 1970 (Fre)
[Molecular theory about the mechanism of action of curare compounds] Waser PG. Anaesthesist 20:23-9, Jan 71 (Ger)
[Ultrastructural changes in the neurosecretory centers

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of the hypothalamus and in the eminentia mediana after treatment with cyproterone acetate (antiandrogene)] Korfsmeier KH.
Z Zellforsch Mikrosk Anat 110:600-10, 1970 (Ger)
[Ultrastructural changes in the neurosecretory centers of the hypothalamus and in the eminentia mediana after treatment with cyproterone acetate (antiandrogene)] Korfsmeier KH.
Z Zellforsch Mikrosk Anat 10:600-10, 1970 (Ger)
[Effect of ionic medium on subunits of nerve endings (synaptosomes)] Glebov RN, et al.
Biofizika 14:938-40, Sep-Oct 69 (Rus)
[Mechanism of antiacetylcholine effects of some mononitrous cholinolytics in the neuromuscular synapse] Magazanik LG.
Farmakol Toksikol 34:292-7, May-Jun 71 (Rus)

EMBRYOLOGY

Formation of synaptic contacts on dissociated chick embryo sensory ganglion cells in vitro. Miller R, et al.
Brain Res 24:356-8, 1 Dec 70

ENZYMOLOGY

Ultrastructural characteristics of synaptic endings in the cochlear nucleus having acetylcholinesterase activity. McDonald DM, et al.
Brain Res 28:1-18, 16 Apr 71
The effect of phospholipase C on the activity of adenosine triphosphatase and acetylcholinesterase in synaptic membranes isolated from the cerebral cortex of squirrel monkey. Sun AY, et al.
J Neurochem 18:1711-8, Sep 71
Regulation of the development of choline acetyl transferase in presynaptic nerves by post-synaptic neurones in mouse sympathetic ganglion. Black IB, et al. J Physiol (Lond) 216:41P-42P, Jul 71
[Fractionation of the rat cortex, subcellular distribution of 5' nucleotidase and cholinesterases] Israël M, et al.
Arch Anat Microsc Morphol Exp 59:383-91, Oct-Dec 70 (Fre)
[Distribution of acetylcholinesterase and ATPase in protein fractions of rat brain synaptosomes] Glebov RN, et al. Biokhimiia 35:1084-9, Nov-Dec 70 (Rus)
[An electron histochemical study of cholinesterase in rat neuromuscular synapses] Pozdniakov OM.
Biull Eksp Biol Med 66:112-5, Aug 68 (Rus)

GROWTH & DEVELOPMENT

The postnatal development of the synapse: a morphological approach utilizing synaptosomes. I. General features. Jones DG, et al.
Z Zellforsch Mikrosk Anat 111:179-94, 1970
The postnatal development of the synapse: a morphological approach utilizing synaptosomes. II. Paramembranous densities. Jones DG, et al.
Z Zellforsch Mikrosk Anat 111:195-208, 1970

METABOLISM

Synaptic vesicles. Incorporation of choline by isolated synaptosomes and synaptic vesicles. Bosmann HB, et al. Biochem Pharmacol 19:133-41, Jan 70
Mechanism of transport and storage of biogenic amines. 3. Effects of sodium and potassium on kinetics of 5-hydroxytryptamine and norepinephrine transport by rabbit synaptosomes. Bogdanski DF, et al.
Biochim Biophys Acta 219:189-99, 1970
Biochemical approaches to the study of synaptic function. Appel SH, et al.
Biol Psychiatry 2:219-33, Jul 70
Studies on choline transport and incorporation into lecithin of synaptosomes of developing rat brain. Abdel-Latif AA, et al. Brain Res 31:224-8, 7 Aug 71
Intravital nontoxic sulfide loading of synaptic zinc in hippocampus. McLardy T. Exp Neurol 28:416-9, Sep 70
Synaptic proteins and axonal flow in the pigeon visual pathway. Cuénod M, et al.
J Neurochem 18:809-16, Jun 71
Metabolites of (3 H)acetate bound to synaptic vesicles isolated from rat cerebral cortex. Farrow JT, et al.
J Neurochem 18:963-73, Jun 71
Synthesis and release of (14 C)acetylcholine in synaptosomes. Haga T. J Neurochem 18:781-98, Jun 71
The subcellular distribution of endogenous and exogenous serotonin in brain tissue: comparison of synaptosomes storing serotonin, norepinephrine, and gamma-aminobutyric acid. Kuhar MJ, et al.
J Neurochem 18:333-43, Mar 71
Molecular mechanisms of storage of transmitters in synaptic terminals. Smythies JR, et al.
Nature (Lond) 231:185-8, 21 May 71
Carbohydrate metabolism of synapses. Appel SH, et al.
Neurology (Minneap) 20:392, Apr 70
The effects of electrically induced seizures on potassium transport within isolated nerve terminals. Escueta AV, et al. Neurology (Minneap) 20:392, Apr 70
The incorporation of choline into isolated synaptosomal and synaptic vesicle fractions in the presence of quaternary ammonium compounds. Hemsworth BA, et al.
Neuropharmacology 10:109-19, Jan 71
Central synaptic transmitters. Curtis DR.
Proc Aust Assoc Neurol 7:55-9, 1970
[Histochemical and electron microscopic studies of the presence and distribution of glycogen in reticular formation synapses] Kositsyn NS, et al.
Dokl Akad Nauk SSSR 194:698-700, 1970 (Rus)
[Biochemistry of synapses] Glebov RN.
Usp Sovrem Biol 70:26-40, Jul-Aug 70 (140 ref.) (Rus)

PATHOLOGY

[On the behavior of the neurosecretory vesicular component of the mega-esophagus in human trypanosomiasis cruzi] Tafuri WL, et al.
Rev Inst Med Trop Sao Paulo 12:298-309, Sep-Oct 70 (Por)

PHYSIOLOGY

The ability of various nicotinic agents to release acetylcholine from synaptic vesicles. Chiou CY, et al.
Arch Int Pharmacodyn Ther 187:88-96, Sep 70
Presynaptic and postsynaptic effects in the monosyaptic reflex pathway to extensor motoneurons folowing vibration of synergic muscles. Barnes CD, et al. Arch Ital Biol 108:259-94, Apr 70
Inhibition of monosynaptic extensor reflex attributable to presynaptic depolarization of the group Ia afferent fibers produced by vibration of flexor muscle. Barnes CD, et al.
Arch Ital Biol 108:233-58, Apr 70
Putative neurotransmitters in the brain: selective neuronal uptake, subcellular localization, and interactions with centrally acting drugs. Snyder SH.
Biol Psychiatry 2:367-89, Oct 70 (78 ref.)
A model for responses to activation by axodendritic synapses. MacGregor RJ. Biophys J 8:305-18, Mar 68
Synaptic potentials recorded by the sucrose-gap method from the rabbit superior cervical ganglion. Kosterlitz HW, et al. Br J Pharmacol 40:275-93, Oct 70
A possible role for nucleoside-protein complexes in membrane. Smythies JR.
Br J Pharmacol 41:419P+, Feb 71
Acetylcholine and the synaptic transmission of specific impulses to the visual cortex. Spehlmann R, et al.
Brain 94:125-38, 1971
Acetylcholine and the synaptic transmission of non-specific impulses to the visual cortex. Spehlmann R. Brain 94:139-50, 1971
Presynaptic inhibition of spinal motoneurons. Cook WA Jr, et al. Brain Res 24:521-4, 18 Dec 70
Decreased post-synaptic inhibition in the visual cortex during flicker stimulation. Kuhnt U, et al.
Electroencephalogr Clin Neurophysiol 30:79-82, Jan 71
Some morphological and physiological correlates in synapses. Pappas GD.
Electroencephalogr Clin Neurophysiol 29:409, Oct 70
Evoked depression in cortical cells and its components. Vieth JB, et al.
Electroencephalogr Clin Neurophysiol 30:265, Mar 71
Presynaptic inhibition in the vertebrate central nervous system. Schmidt RF.
Ergeb Physiol 63:20-101, 1971
Modification of spinal transmission by nikethamide. Banna NR. Eur J Immunol 14:397-8, May 71
Functional organization of connexions to the ventral spinocerebellar tract. Lundberg A, et al.
Exp Brain Res 12:295-316, 1971
Synaptic excitation of red nucleus neurones by fibres from interpositus nucleus. Toyama K, et al.
Exp Brain Res 11:187-98, 1970
Ionic mechanisms of opposite synaptic actions of an interneuron in the abdominal ganglion. Blankenship JE. Experientia 26:1097-9, 15 Oct 70
Effect of drugs on excitatory and inhibitory potentials in Helix aspersa. Walker RJ, et al.
Experientia 27:281-2, 15 Mar 71
Pharmacologic considerations in the analysis of synaptic function: an hypothesis concerning the initiation of the synaptic potential. Riker WK.
Fed Proc 29:1966-71, Nov-Dec 70
Some statistical properties of neuromuscular facilitation. Moran N, et al.
Isr J Med Sci 6:201-8, Mar-Apr 70
Enlargement of synaptic vesicles as an early sign of terminal degneration in the rat caudate nucleus. Kawana E, et al. J Comp Neurol 142:297-307, Jul 71
Axonal localization of an excitatory post-synaptic potential in a molluscan neurone. Gorman AL, et al.
J Exp Biol 53:727-36, Dec 70
Synaptic electrogenesis in eel electroplaques. Ruiz-Manresa F, et al. J Gen Physiol 57:71-92, Jan 71
Uptake and release of norepinephrine by rat brain tissue fractions prepared by ultrafiltration. Baldessarini RJ, et al. J Neurochem 18:951-62, Jun 71
The permeability of pinched-off nerve endings to sodium, potassium and chloride and the effects of gramicidin. Keen P, et al.
J Neurochem 18:1097-103, Jun 71
Analysis of parallel excitatory and inhibitory synaptic channels. Bennett MV. J Neurophysiol 34:69-75, Jan 71
Conversion of synaptic excitation to inhibition at a dual chemical synapse. Wachtel H, et al.
J Neurophysiol 34:56-68, Jan 71
Presynaptic and post-synaptic inhibition elicited in the cat's dorsal column nuclei by mechanical stimulation of skin. Andersen P, et al.
J Physiol (Lond) 210:433-55, Sep 70
Plasticity in a monosynaptic cortical pathway. Bliss TV, et al. J Physiol (Lond) 207:61P, Apr 70
Long-lasting increases of synaptic influence in the unanesthetized hippocampus. Bliss TV, et al.
J Physiol (Lond) 216:32P-33P, Jul 71
A comparison of peripheral and rubrospinal synaptic input to slow and fast twitch motor units of triceps surae. Burke RE, et al.
J Physiol (Lond) 207:709-32, May 70
Spatial synaptic distribution of recurrent and group Ia inhibitory systems in cat spinal motoneurones. Burke RE, et al. J Physiol (Lond) 214:305-26, Apr 71
Synaptic transmission in the superior cervical ganglion of the cat after reinnervation by vagus fibres. Ceccarelli B, et al. J Physiol (Lond) 216:87-98, Jul 71
On the presynaptic acetylcholine receptors in sympathetic ganglia of the frog. Ginsborg BL.
J Physiol (Lond) 216:237-46, Jul 71
Relative contribution from different nerves to recurrent depression of Ia IPSPs in motoneurones. Hultborn H, et al. J Physiol (Lond) 215:637-64, Jul 71
Presynaptic depolarization of myelinated afferent fibres evoked by stimulation of cutaneous C fibres. Jänig W, et al. J Physiol (Lond) 214:29-50, Apr 71
The effects of nerve stimulation and hemicholinium on synaptic vesicles at the mammalian euromuscular junction. Jones SF, et al.
J Physiol (Lond) 207:31-50, Mar 70
The effect of prolonged depolarization on synaptic transfer in the stellate ganglion of the squid. Katz B, et al. J Physiol (Lond) 216:503-12, Jul 71
On-line display of inhibitory post-synaptic potentials and conductance changes from cortical neurones. Kelly JS. J Physiol (Lond) 208:41P-43P, Jun 70
Alterations of synaptic action in chromatolysed motoneurones of the cat. Kuno M, et al.
J Physiol (Lond) 210:823-38, Nov 70
Enhancement of synaptic transmission by dendritic potentials in chromatolysed motoneurones of the cat. Kuno M, et al. J Physiol (Lond) 210:807-21, Nov 70
Monosynaptic chemical and electrical connexions between sensory and motor cells in the central nervous system of the leech. Nicholls JG, et al.
J Physiol (Lond) 209:647-67, Aug 70
Early facilitation at corticomotoneuronal synapses. Porter R. J Physiol (Lond) 207:733-45, May 70
Synaptic connexions of alpha extensor motoneurones with ipsilateral and contralateral cutaneous nerves. Rosenberg ME. J Physiol (Lond) 207:231-55, Mar 70
Anion interaction at the inhibitory post-synaptic membrane of the crayfish neuromuscular junction. Takeuchi A, et al. J Physiol (Lond) 212:337-51, Jan 71
Analysis of synaptic potentials in lateral geniculate neurons of the cat--intracellular study. Maekawa K, et al. J Physiol Soc Jap 32:556-7, Aug 70
Identification of neuronal connections in the central nervous system of Onchidium verruculatum. Katayama Y. Jap J Physiol 20:711-24, 15 Dec 70
Synaptic transmission in the brain. Krnjević K.
Klin Wochenschr 49:519-23, 1 May 71
Isolation of the cholinergic receptor protein of Torpedo electric tissue. Miledi R, et al.
Nature (Lond) 229:554-7, 19 Feb 71
GABA and prolonged spinal inhibition. Curtis DR, et al.
Nature [New Biol] 231:187-8, 9 Jun 71
Penicillin as an epileptogenic agent: effect on an isolated synapse. Ayala GF, et al.
Science 171:915-7, 5 Mar 71
Inactivation of potassium conductance in slow postsynaptic excitation. Libet B, et al.
Science 172:503-4, 30 Apr 71
Adenosine 3',5'-monophosphate in nervous tissue: increase associated with synaptic transmission. McAfee DA, et al. Science 171:1156-8, 19 Mar 71
Synaptic transmission in the crayfish: increased release of transmitter substance by bacterial endotoxin. Parnas I, et al. Science 171:1153-5, 19 Mar 71
Neuromuscular synapse: stochastic properties of spontaneous release of transmitter. Rotshenker S, et al. Science 170:648-9, 6 Nov 70
Synaptic facilitation: long-term neuromuscular facilitation in crustaceans. Sherman RG, et al.
Science 171:1248-50, 26 Mar 71
Termination in the prevertebral abdominal sympathetic ganglia of axons arising from the local (terminal) vegetative plexus of visceral organs. Peripheral reflex arcs. Ungváry G, et al.
Z Zellforsch Mikrosk Anat 110:185-91, 1970
[Some aspects of the pharmacology of cholinergic synapses and its central significance] Karczmar AG.
Actual Pharmacol (Paris) 22:293-338, 1969 (Fre)
[Primry afferent depolarization of vagal and laryngeal fibres. A unit study] Barillot JC.
J Physiol (Paris) 62:273-94, May-Jun 70 (Fre)
[Relations between the activity of cercal mechanoreceptors and the corresponding postsynaptic potentials gathered at the level of an isolated giant fiber of the cockroach (Periplaneta

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

americana)] Callec JJ, et al.
J Physiol (Paris) 1:Suppl 1:98, 1969 (Fre)
[Presynaptic inhibition of the extensor monosynaptic reflex produced by vibration of flexor muscles] Barnes CD, et al.
Boll Soc Ital Biol Sper 46:199-201, 28 Feb 70 (Ita)
[Effects of muscle vibration on the presynaptic and postsynaptic components of the extensor monosynaptic reflex] Barnes CD, et al.
Boll Soc Ital Biol Sper 46:201-3, 28 Feb 70 (Ita)
[Dissociation of presynaptic and postsynaptic responses produced in the lumbar spinal cord by vestibular stimuli] Barnes GD, et al.
Boll Soc Ital Biol Sper 46:203-6, 28 Feb 70 (Ita)
[Presynaptic and postsynaptic components in reflex inhibition of spinal motor neurons] Cangiano A, et al.
Boll Soc Ital Biol Sper 46:196-8, 28 Feb 70 (Ita)
[Physiological and pharmacological observations on the presynaptic inhibition of the extensor monosynaptic reflexes produced by vibration of the flexor muscles] Cangiano A, et al.
Boll Soc Ital Biol Sper 46:772-5, 15 Oct 70 (Ita)
[Excitation rhythm in the exciter membrane. 2. Synaptic transmission] Koga T.
J Physiol Soc Jap 33:46-9, Feb 71 (Jap)
[Equilibrium potentials of the extrasynaptic membrane of denervated muscle during changes of the extracellular ionic medium] Magazanik LG, et al.
Biofizika 14:658-62, Jul-Aug 69 (Rus)
[Nobel prize in physiology or medicine 1970: the role of acetylcholine and noradrenaline as signal substances] Roseli S. Lakartidningen 67:5230-4, 4 Nov 70 (Swe)

PHYSIOPATHOLOGY

Membrane potential and postsynaptic potentials of spinal motoneurones in seizure inhibition by CO2. Caspers J, et al.
Electroencephalogr Clin Neurophysiol 30:265, Mar 71
Alterations of postsynaptic potentials in periodic variations of seizure excitability. Speckmann EJ, et al.
Electroencephalogr Clin Neurophysiol 30:264-5, Mar 71
Synaptic transmission in the sympathetic autonomic ganglia under conditons of experimental hypothyroidism in cat. Pascalov-Stoenescu L, et al.
Rev Roum Physiol 8:67-71, 1971

SECRETION

New model for transmitter release at the presynaptic membrane. Downie DE.
J Theor Biol 28:297-300, Aug 70

SYNCOPE (C17)

Prolonged Q-T interval and cardiac syncope (Ward's syndrome). Kringelbach J, et al.
Acta Paediatr Scand 60:248-9, Mar 71
"The Fainting on the John"-syndrome. Heinrichs EH.
SD J Med 24:45-6, Jan 71
[Miction syncope] Huep WW, et al.
Dtsch Med Wochenschr 71:439, 5 Mar 71 (Ger)

CHEMICALLY INDUCED

Attende accuratam relationem. Burke EL.
Am J Dig Dis 16:573-5, Jun 71
[Repeated syncopes during prolonged treatment with prenylamine (Segontine 60)] Picard R, et al.
Presse Med 79:145, 23 Jan 71 (Fre)

COMPLICATIONS

Fainting in mumps. Gardner AM, et al.
Br Med J 3:711, 19 Sep 70
[Familial cardio-auditory syndrome] Choussat A, et al.
Arch Mal Coeur 63:1715-27, Dec 70 (Fre)
[Unmasking of glossopharyngeal neuralgia combined with syncopic attacks by pacemaker therapy] Hirsch HH, et al. Med Monatsschr 25:259-62, Jun 71 (Ger)
[Familial Q-T prolongation syndrome characterised by syncopal attacks] Nakano Y, et al.
Psychiatr Neurol Jap 73:120-35, Feb 71 (Jap)

DIAGNOSIS

Aeromedical consultation service case report: hysterical neuroses with syncopal or epileptiform symptoms. American psychiatric classification 300.1. Richter PL, et al. Aerosp Med 41:1078-80, Sep 70
Electrocardiographic clues in diagnosing syncope. Ranganathan N, et al. Postgrad Med 49:126-31, Mar 71
[Syncopal attacks] Neuhäuser G.
Dtsch Med Wochenschr 96:480, 12 Mar 71 (Ger)
[Anoxic syncope or epileptic crisis? Description of a clinical case] Mutani R, et al.
Minerva Med 62:2518-23, 23 Jun 71 (Ita)

ETIOLOGY

Demand pacing in carotid sinus syncope. Fearon RE, et al. Am Heart J 81:581, Apr 71
Sino-atrial syncope. Easley RM Jr, et al.
Am J Med 50:166-77, Feb 71
Syncope during standby cardiac pacing. Friedberg HD.
Br Heart J 31:281-4, May 69
Syncope on swallowing. Sapru RP, et al.
Br Heart J 33:617-22, Jul 71
Vasovagal faint in the supine position. Verrill PJ, et al.
Br Med J 4:348, 7 Nov 70
Otologic aspects of the Subclavian Steal Syndrome. Shapiro S. Eye Ear Nose Throat Mon 50:94-6, Mar 71
Cough syncope: case presentation and review. Aaronson DW, et al. J Allergy 46:359-63, Dec 70
Cough syncope. Siegel SC, et al. J Allergy 47:346, Jun 71
Carotid sinus reflexes (isolated vasodepressor response). Hair TE Jr.
J SC Med Assoc 66:449-51, Dec 70
Supraventricular tachycardia as cause of cyanotic syncopal attacks in tetralogy of Fallot. Young D, et al.
N Engl J Med 284:1359-60, 17 Jun 71
Electrocardiographic clues in diagnosing syncope. Ranganathan N, et al. Postgrad Med 49:126-31, Mar 71
Syncope in myxoedema due to transient ventricular fibrillation. Macaulay MB, et al.
Postgrad Med J 47:361-3, Jun 71
Syncope: a review of pathophysiological mechanisms. Wright KE Jr, et al.
Progr Cardiovasc Dis 13:580-94, May 71 (56 ref.)
[Syncopal crisis in the course of attacks of paroxysmal tachyarrhythmia caused by total cardiac pauses and by ventricular fibrillation] Meyer P, et al.
Arch Mal Coeur 64:289-95, Feb 71 (Fre)
[The long QT syndrome and syncope caused by spike torsades] Mottié G, et al.
Arch Mal Coeur 63:831-53, Jun 70 (Fre)
[Some aspects of the pathogenesis of syncope] Fildiševski P.
God Zb Med Fak Skopje 16:103-8, 1970 (Fre)
[Syncopal forms of mastocytosis] Arnould G, et al.
Presse Med 79:1345-6, 12 Jun 71 (Fre)
[Syncopal episodes of sinus bradyarrhythmia] Lapi PR, et al. Boll Soc Ital Cardiol 14:9-18, 1969 (Ita)
[3 cases of micturition syncope] Hasegawa H, et al.
Naika 26:957-60, Nov 70 (Jap)

FAMILIAL & GENETIC

Prolonged Q-interval and cardiac syncopes. Wennevold A, et al. Acta Paediatr Scand 60:239-42, Mar 71

PHYSIOPATHOLOGY

Syncope and Q-T prolongation without deafness: the Romano-Ward syndrome. Karhunen P, et al.
Am Heart J 80:320-3, Dec 70
[Jervell's cardioauditive syndrome and point twists] Pernot C, et al. Arch Mal Coeur 64:606-7, Apr 71 (Fre)
[The syndrome, "QT lengthening and syncope due to torsion of the points"] Slama R, et al.
Laval Med 42:353-66, 1971 (Fre)
[Familial cases of prolonged Q-T interval, fainting spells and sudden death] Hashiba K, et al.
Jap J Clin Med 29:86-90, Jan 71 (Jap)

SURGERY

Carotid sinus syncope treated with demand pacemaker. Von Lehe DP Jr. J SC Med Assoc 67:7-9, Jan 71

THERAPY

Vascular and respiratory emergencises. Howat DD.
Ann R Coll Surg Engl 47:162-75, Sep 70
Treatment of carotid sinus syncope with demand pacemaker. Bahl OP, et al. Chest 59:262-5, Mar 71

VETERINARY

Fainting in Boxers--the possibility of vaso-vagal syncope (Adams-Stokes attacks). Fisher EW.
J Small Anim Pract 12:347-9, Jun 71

SYNDACTYLIA (C16)

Poland's syndrome. Brooksaler FS, et al.
Am J Dis Child 121:263-4, Mar 71
Poland's syndrome and leukaemia. Boaz D, et al.
Lancet 1:349-50, 13 Feb 71

CHEMICALLY INDUCED

[Effect of Janus green on interdigital morphogenetic necrosis in the chicken: histological and cytological analysis] Pautou MP, et al.
C R Acad Sci [D] (Paris) 272:2378-81, 3 May 71 (Fre)

COMPLICATIONS

Documentation of syndactyly and Treacher Collins syndrome for possible concomitant speech disorders. Massengill R Jr, et al.
Br J Disord Commun 6:45-51, Apr 71
Mandibulo-facial dysostosis with syndactyly. Mohanta KD, et al. Indian J Pediatr 37:261-2, Jun 70
A new craniodigital syndrome with mental retardation. Scott CR, et al. J Pediatr 78:658-63, Apr 71
[The popliteal pterygium syndrome. A dominant autosomal malformation syndrome] Pfeiffer RA, et al.
Z Kinderheilkd 108:103-16, 1970 (Ger)

FAMILIAL & GENETIC

[Clinical and genetic aspects of Poland's syndrome] Fuhrmann W, et al.
Dtsch Med Wochenschr 96:1076-8, 18 Jun 71 (Ger)

SURGERY

Treatment of central polydactyly. Wood VE.
Clin Orthop 74:196-205, Jan 71
[A complex surgical reconstruction of ocular congenital malformations (cryptophthalmos, hypoplasia of the eyelid and of the erratic eyebrow) associated with development of abnormalities of the external ear and syndactylia] Carusillo M.
Minerva Oftalmol 11:14-21, Jan-Feb 69 (Ita)

SYNGAMIASIS (C1, C15)

Syngamus laryngeus infection (syngamosis) with chronic cough. Weinstein L, et al.
Ann Intern Med 74:577-80, Apr 71
[Parasitologic notes on Syngamus laryngeus Railliet 1899 and on human syngamiasis. A case of bronchial syngamiasis in man. Review of published cases. Description of the eggs] Ho-Thi-Sang, et al.
Bull Soc Pathol Exot 63:488-97, Jun-Aug 70 (Fre)

BLOOD

The pathophysiological effect of Syngamus trachea infection in turkeys. Varga I.
J Comp Pathol 81:63-9, Jan 71

DRUG THERAPY

Advances in veterinary antheimintic medication. Gibson TE. Adv Parasitol 7:349-73, 1969 (126 ref.)
[A case of human syngamosis with bronchial localization. First case treated and cured with thiabendazole] Junod C, et al.
Bull Soc Pathol Exot 63:483-8, Jun-Aug 70 (Fre)
[Therapy of syngamiasis in gallinaceous birds] Enigk K, et al.
Dtsch Tieraerztl Wochenschr 77:609-13, 1 Dec 70 (Ger)

HISTORY

Syngamosis first reported. Carrol D.
Ann Intern Med 75:324, Aug 71

IMMUNOLOGY

Immune response of thymectomized and bursectomized chickens to Syngamus trachea infection. Varga I.
Acta Vet Acad Sci Hung 21:107-10, 1971
The immune response of hormonally bursectomized chickens to Syngamus trachea infection. Varga I.
Acta Vet Acad Sci Hung 21:83-91, 1971
Stimulation of immunity in pheasants to chemically abbreviated infections of Syngamus trachea. Fernando MA, et al. Avian Dis 15:89-93, Jan-Mar 71

VETERINARY

The route of migration, development, and pathogenesis of Syngamus trachea (Montagu, 1811) Chapin, 1925, in pheasants. Fernando MA, et al.
J Parasitol 57:107-16, Feb 71

SYNGAMUS (B1)

[Parasitologic notes on Syngamus laryngeus Railliet 1899 and on human syngamiasis. A case of bronchial syngamiasis in man. Review of published cases. Description of the eggs] Ho-Thi-Sang, et al.
Bull Soc Pathol Exot 63:488-97, Jun-Aug 70 (Fre)

ANATOMY & HISTOLOGY

[Morphology of larvae of the nematode species Cyathostoma lari Bianchard, 1849, during the exogenous phase of development] Baruš V.
Z Parasitenkd 34:151-7, 1970 (Ger)

GROWTH & DEVELOPMENT

[Host specificity of Syngamus trachea (Strongyloidea, Nematoda)] Enigk K, et al.
Zentralbl Veterinaermed [B] 17:840-7, Sep 70 (Ger)

RADIATION EFFECTS

Histopathological alterations in lungs of chickens immunized with irradiated Syngamus trachea larvae. Varga I, et al. Acta Vet Acad Sci Hung 20:183-93, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SYNOSTOSIS (A2, C16)

[Radial-ulnar synostosis] Keel A.
Praxis 60:791-8, 15 Jun 71 (Ger)

COMPLICATIONS

[Adactyly aglossia syndrome with anterior bimaxillary synostosis] Claustre P, et al.
J Fr Otorhinolaryngol 20:621-4, Apr 71 (Fre)
[Ball-shaped ankle-joint in congenital tarsal synostoses. Relation of form and function] Imhäuser G. Z Orthop 108:247-58, Sep 70 (Ger)

CONGENITAL

Congenital radio-ulnar synostosis. Report of 37 cases. Hansen OH, et al. Acta Orthop Scand 41:225-30, 1970
[Anatomical aspects of superior radiocubital congenital synostosis] Fischer L, et al.
Lyon Med 225:1004-7, 23 May 71 (Fre)
[Synostoses in the carpal region, congenital or aquired?] Dreiack D, et al.
Z Orthop 108:461-8, Nov 70 (Ger)
[Congenital radio-ulnar synostosis] Ricciardi L.
Minerva Ortop 20:363-74, Sep 69 (Ita)

ETIOLOGY

Radioulnar synostosis. A common occurrence in sex chromosomal abnormalities. Jancu J.
Am J Dis Child 122:10-1, Jul 71
[Acquired vertebral block caused by Scheuermann's disease] Gougeon J, et al.
Rev Rhum Mal Osteoartic 38:179-92, Mar 71 (Fre)

FAMILIAL & GENETIC

Congenital coxa vara, patella aplasia and tarsal synostosis: a new inherited syndrome. Goeminne L, et al. Acta Genet Med Gemellol (Roma) 19:534-45, Oct 70
[A probable autosomal recessive hereditary skeletal malformations with humeroradial synostosis] Keutel J, et al. Humangenetik 9:43-53, 1970 (Ger)

GROWTH & DEVELOPMENT

[Forensic osteology. IV. CLOSURE OF THE CRANIAL SUTURES WITH SPECIAL CONSIDERATION OF THE QUESTION OF AGE DETERMINATION] Schmitt HP, et al. Z Rechtsmed 67:230-48, 1970 (Ger)

RADIOGRAPHY

[Hereditary aplasia of the finger joint with synostoses of the ankle joint] Schmechel H, et al.
Radiol Diagn (Berl) 10:641-6, 1969 (Ger)

SYNOVIAL CYST (C2)

Intraosseous ganglion of the scaphoid bone of the wrist. Case report. Kaplan EB.
Bull Hosp Joint Dis 32:50-3, Apr 71
Ganglion cysts of bone. Sim FH, et al.
Mayo Clin Proc 46:484-8, Jul 71
Popliteal cysts in childhood. Touloukian RJ.
Surgery 69:629-32, Apr 71
[Synovial membrane tumors] Amouroux J.
Cah Med 12:265-71, Mar 71 (Fre)
[Ganglion of the hand] Nishioka T, et al.
Orthop Surg (Tokyo) 21:889-90, Oct 70 (Jap)
[Ganglion of the hand] Nishiyama T, et al.
Orthop Surg (Tokyo) 21:1100-5, Dec 70 (Jap)

COMPLICATIONS

Rheumatoid synovial cyst of the hip. A case report. Samuelson C, et al.
Arthritis Rheum 14:105-8, Jan-Feb 71
[Case of distal ulnar nerve paralysis due to ganglion in a youth] Miwa M, et al.
Orthop Surg (Tokyo) 21:957-8, Oct 70 (Jap)

DRUG THERAPY

How I treat synovial cysts. Montgomery RM.
Postgrad Med 49:231, Jan 71

ETIOLOGY

[Paronychiae cysts] Lee S.
Dtsch Med Wochenschr 96:1233, 16 Jul 71 (Ger)

HISTORY

On the treatment of ganglia. Hvid-Hansen O.
Acta Chir Scand 136:471-6, 1970

PATHOLOGY

Multifunctional mesenchymal cells resembling smooth muscle cells in ganglia of the wrist. Ghadially FN, et al.
Ann Rheum Dis 30:31-42, Jan 71

RADIOGRAPHY

[Arthrography of the knee in the study of bursitis and synovial cysts] Pallardy G, et al.
J Radiol Electrol Med Nucl 50:481-94, Jul-Aug 69 (Fre)
[Diagnosis of popliteal bursitis and cysts by arthrography of the knee] Pallardy G, et al.
Rev Rhum Mal Osteoartic 38:345-60, May 71 (Fre)

SURGERY

[Carpal ganglion. Rectrospective study] Ohman U, et al. Nord Med 84:1380, 22 Oct 70 (Swe)

SYNOVIAL FLUID (A2, A12)

On the synovia in horses. A clinical and experimental study. Persson L.
Acta Vet Scand [Suppl] Suppl 35:3-77, 1971
Joint lubrication with artificial lubricants. Radin EL, et al. Arthritis Rheum 14:126-9, Jan-Feb 71
On the crystal deposition diseases. McCarty DJ. DM 1-31, Mar 70 (52 ref.)
Effect of oral administration of synovial fluid on the liver catalase activity of the rat. Ono S, et al.
Jap J Exp Med 40:383-4, Oct 70
What joint aspirations can tell you. Healey LA.
Med Times 99:67-72, Apr 71
Posterior synovial leaks in arthritis of the knee. Myles AB. Proc R Soc Med 64:262-4, Mar 71
[Synovial membrane and synovial fluids. 1967-1968 review] Dreyfus P.
Cah Coll Med Hop Paris 9:377-9, Apr 68 (Fre)
[Utilization of intra-articular radioactive gold in treatment of persistent knee effusions] Lachance PA, et al. Laval Med 41:336-9, Mar 70 (Fre)
[The normal synovial membrane. Morphologic and histophysiologic data] Leonardelli J, et al.
Lille Med 16:277-84, Feb 71 (Fre)
[Microcrystalline arthritis] Kaludi M.
Union Med Can 99:1401-4, Aug 70 (Fre)
[The synovial milieu] Barceló P.
Rev Esp Reum Enferm Osteoartic 13:441-90, Oct 70 (120 ref.) (Spa)

ANALYSIS

Depression of synovial fluid complement activity and rheumatoid factor positivity. Hedberg H.
Acta Med Scand 188:409-13, Nov 70
Fibrin dissolution in synovial fluid. Andersen RB, et al.
Acta Rheumatol Scand 16:319-33, 1970
The determination of hyaluronic acid in synovial fluid. Niedermeier W, et al. Ala J Med Sci 7:442-3, Oct 70
Synovial fluid Waaler-Rose and latex tests. Huskisson EC, et al. Ann Rheum Dis 30:67-72, Jan 71
Mechanism of the fall in complement level in the synovial fluid in cases of rheumatoid polyarthritis. Peltier AP, et al. Ann Rheum Dis 29:690, Nov 70
Fibrinogen-fibrin breakdown products in pathologic synovial fluids. An immunologic study. Gormsen J, et al. Arthritis Rheum 14:503-12, Jul-Aug 71
The release of DNA into serum and synovial fluid. Hughes GR, et al.
Arthritis Rheum 14:259-66, Mar-Apr 71
Oxygen tension in synovial fluids. Lund-Olesen K. Arthritis Rheum 13:769-76, Nov-Dec 70
Antibacterial activity of synovial fluid during therapy of septic arthritis. Parker RH, et al.
Arthritis Rheum 14:96-104, Jan-Feb 71
Zvaifler NJ: Synovial fluid findings in systemic lupus erythematosus (SLE). Pekin TJ Jr.
Arthritis Rheum 13:777-85, Nov-Dec 70
The complement system in rheumatoid synovitis. I. An analysis of complement component activities in rheumatoid synovial fluids. Ruddy S, et al.
Arthritis Rheum 13:713-23, Nov-Dec 70
Synovial fluid pH, lactate, oxygen and carbon dioxide partial pressure in various joint diseases. Treuhaft PS, et al. Arthritis Rheum 14:475-84, Jul-Aug 71
Studies of the third component of complement in synovial fluid from arthritic patients. II. Conversion and its relation to total complement. Hedberg H, et al.
Clin Exp Immunol 6:707-12, May 70
Gamma globulin complexes in synovial fluids of patients with rheumatoid arthritis. Partial characterization and relationship to lowered complement levels. Winchester RJ, et al.
Clin Exp Immunol 6:689-706, May 70
Ampicillin and kanamycin concentrations in joint fluid. Baciocco EA, et al.
Clin Pharmacol Ther 12:858-63, Sep-Oct 71
Degenerative joint disease of the carpus and fetlock in cattle. Van Pelt RW, et al.
J Am Vet Med Assoc 157:953-61, 1 Oct 70
Trace metal composition of synovial fluid and blood serum of patients with rheumatoid arthritis. Niedermeier W, et al. J Chronic Dis 23:527-36, Jan 71
The occurrence of cryoproteins in synovial fluid; the association of a complement-fixing activity in rheumatoid synovial fluid with cold-precipitable protein. Marcus RL, et al.
J Clin Invest 50:282-93, Feb 71
Partial dissociation of rheumatoid synovial fluid cryoprotein: micro-complement fixation by IgG- or IgG and IgM-containing fractions and denatured calf thymus DNA. Marcus RL, et al.
J Immunol 106:1499-506, Jun 71
Inorganic pyrophosphate concentrations in the synovial fluid of arthritic patients. McCarty DJ, et al.
J Lab Clin Med 78:216-29, Aug 71
Corticosteroid crystals in synovial fluid. Kahn CB, et al.
JAMA 211:807-9, 2 Feb 70
Complement in synovial fluid. Townes AS, et al.
Johns Hopkins Med J 127:23-37, Jul 70
Separation of a hyaluronate-free lubricating fraction from synovial fluid. Radin EL, et al.
Nature (Lond) 228:377-8, 24 Oct 70
Antiviral properties of synovial fluids. Abgarowicz T, et al. Reumatologia 8:265-70, 1970
The effect of a corticosteroid combination on blood and synovial fluid in horses. Houdeshell JW.
Vet Med Small Anim Clin 65:963-6, Oct 70
[Study of the mechanism of the fall in complement levels in the synovial fluid in rheumatoid arthritis. I. Variations in the levels of C'1, C'4, C'2 and C'3 and total complement] Peltier AP, et al.
Pathol Biol (Paris) 18:959-67, Nov 70 (Fre)
[Chronic arthritis of one or both knees with rheumatoid fluid] Muñoz Gomez J, et al.
Rev Rhum Mal Osteoartic 38:123-5, Feb 71 (Fre)
[The rheumatoid fluid] Rotès Querol J, et al.
Rev Rhum Mal Osteoartic 38:117-22, Feb 71 (Fre)
[Determination of immunoglobulins G, M and A in synovial fluid] Veys E, et al.
Rev Rhum Mal Osteoartic 38:289-97, Apr 71 (Fre)
[Detection of drugs in knee joint synovia] Sita F, et al.
Arch Toxikol 27:242-7, 1971 (Ger)
[Immunoelectrophoretic isolation of synovial proteins in meniscus injuries] Jaster D, et al.
Beitr Orthop Traumatol 17:401-5, Jul 70 (Ger)
[Determination of C-reactive protein in the synovial fluid in active rheumatoid arthritis and its possible pathogenetic significance] Gay S, et al.
Dtsch Gesundheitsw 25:1816-7, 17 Sep 70 (Ger)
[Immunological studies of the synovia in rheumatoid arthritis] Jaster D, et al.
Dtsch Gesundheitsw 26:1219-22, 24 Jun 71 (Ger)
[The synovial fluid in rheumatoid polyarthritis] Suteanu S, et al.
Med Interna (Bucur) 22:1189-200, Oct 70 (Rum)
[Lipids of the synovial fluid] Benach JO, et al.
Rev Esp Reum Enferm Osteoartic 13:509-19, Oct 70 (Spa)
[Synovial fluid in arthritis urica. Sodium urate crystals as a key to the diagnosis and pathogenesis] Hütti S, et al. Bratisl Lek Listy 55:593-607, May 71 (Slo)

CYTOLOGY

Leukocyte counts in synovial fluid. Blau SP.
Ann Intern Med 74:638-9, Apr 71
Bone marrow in joint fluid: a clue to fracture. Lawrence C, et al. Ann Intern Med 74:740-2, May 71
Study of cells from synovial fluid in tissue culture. Mackay JM, et al. Ann Rheum Dis 30:199-200, Mar 71
The cytotoxic activity of mononuclear cells from joint fluid. Maclennan IC, et al.
Clin Exp Immunol 6:713-20, May 70
Alkaline phosphatase activity of synovial leukocytes. Sowa JM, et al. Johns Hopkins Med J 128:84-8, Feb 71
[Inclusion cells (ragocytes) in the synovial fluid in progressive polyarthritis and other diseases] Hütti S, et al. Fysiatr Reumatol Vestn 49:52-63, Apr 71 (Cze)
[Ultrastructural study of intraleukocyte urates in the gout crisis] Tachon G, et al.
Lyon Med 225:91-6, 24 Jan 71 (Fre)
[Value of the study of the synovial fluid in hemarthrosis] Cabanel G, et al.
Presse Med 79:1567, 31 Jul 71 (Fre)
[Diagnostic value and possible role of synovial ragocytes in rheumatology] Fallet GH, et al.
Rev Med Suisse Romande 89:1111-2, Dec 69 (Fre)
[Chronic arthritis of one or both knees with rheumatoid fluid] Muñoz Gomez J, et al.
Rev Rhum Mal Osteoartic 38:123-5, Feb 71 (Fre)
[The rheumatoid fluid] Rotès Querol J, et al.
Rev Rhum Mal Osteoartic 38:117-22, Feb 71 (Fre)
[Value of synovial cytology in the diagnosis of isolated hydarthrosis of the knee] Gras JP, et al.
Rhumatologie 22:303-10, Jun-Jul 70 (Fre)
[Cytologic activity determination of rheumatoid arthritis with synovial fluid before and after synovialectomy] Stiehl P.
Beitr Orthop Traumatol 18:103-5, 1971 (Ger)
[Rhagocytes in the synovial fluid in inflammatory and degenerative joint diseases] Hemmer P.
Verh Dtsch Ges Rheumatol 1:258-62, 1969 (Ger)
[Cytoplasmic synovial inclusions in rheumatoid arthritis] Fantini F, et al.
Reumatismo 21:34-41, Jan-Feb 69 (Ita)
[Electron microscopic study on the phagocytosis of crystals by the synovial fluid cells] Watanabe S.
J Jap Orthop Assoc 44:1063-98, Dec 70 (Jap)
[Cytological examination of the temporomandibular joint fluid] Shimizu M.
J Jap Stomatol Soc 37:345, Sep 70 (Jap)
[Attempted experimental reproduction of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

phenomenon of rhagocytosis in vitro] Bologiu H, et al. Med Interna (Bucur) 23:79-84, Jan 71 (Rum)
[Our method for staining inclusion cells in the synovial fluid of rheumatoid arthritis] Gómez Martínez G, et al. Rev Esp Reum Enferm Osteoartic 13:494-9, Oct 70 (Spa)
[Significance of examination of synovial fluid in the Clinic of Rheumatic Diseases] Vojtišek O. Reumatizam 17:161-8, 1970 (Cro)

DRUG EFFECTS

Synovial pH in rheumatoid knee joints. II. The effect of local corticosteroid treatment. Goldie I, et al. Acta Orthop Scand 41:354-62, 1970
Changes in the synovial fluid caused by osmic acid. Lörincz G, et al. Acta Rheumatol Scand 16:217-22, 1970
[Chemical synovectomy with osmium acid in rheumatoid arthritis] Bergmann P, et al. Dtsch Gesundheitsw 26:600-3, 25 Mar 71 (Ger)
[Cytological and biochemical changes in the synovial fluid after intraarticular treatment with immunosuppressive agents] Vojtisek O, et al. Z Rheumaforsch 29:138-46, May-Jun 70 (Ger)

ENZYMOLOGY

Alpha-mannosidase activity in synovial fluid. Bartholomew BA, et al. Acta Rheumatol Scand 16:304-10, 1970
Acid phosphatase activity in the synovial fluid of patients with rheumatoid arthritis and other joint disorders. Beckman G, et al. Acta Rheumatol Scand 17:47-56, 1971
Muramidase (lysozyme) in joint fluid and serum of rheumatic patients. Oka M, et al. Acta Rheumatol Scand 16:223-30, 1970
Pseudogout with low values of alkaline phosphatase in the synovial fluid. Yaron M, et al. Ann Intern Med 73:751-6, Nov 70
Chondromucoprotein-degrading neutral protease activity in rheumatoid synovial fluid. Wood GC, et al. Ann Rheum Dis 30:73-7, Jan 71
[Study of the enzyme activity of the synovial fluid (phosphatases, transaminases, aldolase)] Loore JJ de, et al. Rev Rhum Mal Osteoartic 38:23-32, Jan 71 (Fre)
[Immediate examination of synovial fluids by a simple reaction with hydrogen peroxide. Estimation of catalase activity] Paolaggi JB. Rev Rhum Mal Osteoartic 37:751-5, Nov 70 (Fre)
[Phosphatases, transaminases and aldolases in the synovial fluid in rheumatoid arthritis] Bergmann KC. Beitr Orthop Traumatol 18:309-12, Jun 71 (Ger)
[Changes in lactic dehydrogenase and its isoenzymes in the serum and synovial fluid in certain morbid conditions] Stolfi P, et al. Minerva Med 62:614-6, 14 Feb 71 (Ita)
[Enzyme activity in the synovial fluid. Changes of acid and alkaline phosphatases. Experimental and clinical study] Stolfi P, et al. Minerva Med 62:611-3, 14 Feb 71 (Ita)
[Enzymatic and biochemical properties of synovial fluid in infectious nonspecific polyarthritis] Dormidontov EN, et al. Vopr Revm 11:88-9, Jan-Mar 71 (Rus)
[Enzymes in the synovial fluid of rheumatic patients] Asensi E, et al. Rev Esp Reum Enferm Osteoartic 13:503-8, Oct 70 (Spa)

IMMUNOLOGY

Studies on cyto-immunological changes of the synovial fluid in rheumatoid arthritis. Gligore V, et al. Acta Rheumatol Scand 17:72-8, 1971
Uptake of 14 C-thymidine by lymphocyte cultures exposed to human synovial fluid. Davey MJ. Ann Rheum Dis 30:200-1, Mar 71
The complement system in rheumatoid synovitis. II. Intracytoplasmic inclusions of immunoglobulins and complement. Britton MC, et al. Arthritis Rheum 14:87-95, Jan-Feb 71
Formation of leukocyte inclusions in normal polymorphonuclear cells incubated with synovial fluid. Hurd ER, et al. Arthritis Rheum 13:724-33, Nov-Dec 70
Specific binding of immunoconglutinin in tissues and synovial fluids from patients with rheumatoid arthritis. Mellbye OJ, et al. Clin Exp Immunol 8:713-22, May 71
Evidence for immune complexes containing antibody to the pepsin site of IgG in rheumatoid synovial fluids. Mellbye OJ, et al. Clin Exp Immunol 8:889-99, Jun 71
Studies of cryoprecipitates from synovial fluid of rheumatoid patients. Cracchiolo A, et al. Immunology 20:1067-77, Jun 71
Complement-derived leukotactic factors in inflammatory synovial fluids of humans. Ward PA, et al. J Clin Invest 50:606-16, Mar 71
Antibody and rheumatoid factor in synovia of pigs with Erysipelothrix polyarthritis. Timoney J. J Comp Pathol 81:243-8, Apr 71
Immunohistologic studies of synoviocytes and synovial exudate cells. Hurd ER, et al. J Exp Med 134:Suppl:296s+, 1 Sep 71
Complement-derived leukotactic factors in pathological fluids. Ward PA. J Exp Med 134:Suppl:109s+, 1 Sep 71
Occurrence of -globulin complexes in serum and joint fluid of rheumatoid arthritis patients: use of monocional rheumatoid factors as reagents for their demonstration. Winchester RJ, et al. J Exp Med 134:Suppl:286s+, 1 Sep 71
Immunoreactants in rheumatoid synovial effusions. Zvaifler NJ. J Exp Med 134:Suppl:276s+, 1 Sep 71
Hepatitis and arthritis with hepatitis-associated antigen in serum and synovial fluid. McKenna PJ, et al. Lancet 2:214-5, 24 Jul 71
[Study of the mechanism of the fall in complement levels in the synovial fluid in rheumatoid arthritis. II. Demonstration of an abnormal anti-complement property in rheumatoid synovial fluids] Peltier AP, et al. Pathol Biol (Paris) 18:969-74, Nov 70 (Fre)
[Pathogenesis of complement decrease in the synovial fluid in rheumatoid arthritis and disseminated lupus erythematosus] Peltier AP, et al. Rev Rhum Mal Osteoartic 38:61-8, Jan 71 (Fre)
[Immunologic study of synovial fluid. II. Levels of IgG, IgA and IgM immunoglobulins in normal persons and patients and with various rheumatic disorders] Solnica J, et al. Rev Rhum Mal Osteoartic 36:191-8, Apr 69 (Fre)
[In vitro study of the pathogenesis of primary chronic polyarthritis by means of migration inhibition test] Rothenberger W, et al. Klin Wochenschr 48:1308-11, 1 Nov 70 (Ger)
[Studies on the autoantibody properties of collagen antibodies and their occurrence in the synovia of patients with rheumatoid arthritis] Steffen C, et al. Z Rheumaforsch 30:92-7, Mar-Apr 71 (Ger)
[Antigammaglobulin in blood serum and synovial fluid in children with infectious nonspecific polyarthritis] Fokina TV, et al. Vopr Okhr Materin Det 15:34-8, Sep 70 (Rus)
[Our immunological experiences with synovial fluid] Fargas R, et al. Rev Esp Reum Enferm Osteoartic 13:500-2, Oct 70 (Spa)

METABOLISM

Technetium-99m in the study of rheumatic joints. Oka M, et al. Acta Rheumatol Scand 16:271-9, 1970
Antibiotic concentrations in septic joint effusions. Nelson JD. N Engl J Med 284:349-53, 18 Feb 71
[Inhibition of biosynthesis of DNA and RNA by synovial cells by means of immunosuppressive substances] Greiling H, et al. Z Rheumaforsch 29:146-52, May-Jun 70 (Ger)

MICROBIOLOGY

Search for mycoplasma in rheumatoid arthritis. Jansson E, et al. Ann Rheum Dis 30:413-8, Jul 71
Antibacterial activity of synovial fluid during therapy of septic arthritis. Parker RH, et al. Arthritis Rheum 14:96-104, Jan-Feb 71
A note on spheroplasts and mycoplasma in synovial fluid. Roberts DH, et al. Br Vet J 127:143-7, Mar 71
Arthritis associated with induced rubella infection. Ogra PL, et al. J Immunol 107:810-3, Sep 71
Recovery of Neisseria gonorrhoeae from "Sterile" synovial fluid in gonococcal arthritis. Holmes KK, et al. N Engl J Med 284:318-20, 11 Feb 71

PATHOLOGY

Synovial tissue changes and rheumatoid factor in scleroderma. Clark JA, et al. Mayo Clin Proc 46:97-103, Feb 71
[Phagocytized aggregates in joint effusion cells of children with rheumatoid arthritis] Oppermann J. Allerg Asthma (Leipz) 15:218-22, 1969 (Ger)

PHYSIOLOGY

The nutritional pathways of articular cartilage. An autoradiographic study in rabbits using 35S injected intravenously. Honner R, et al. J Bone Joint Surg [Am] 53:742-8, Jun 71
Role of electrical repulsive forces in synovial fluid. Roberts AD. Nature (Lond) 231:434-6, 18 Jun 71
[Local fibrinolysis in the knee joint] Sturm G. Beitr Orthop Traumatol 16:73-8, Feb 69 (Ger)

SECRETION

Synovial effusion induced by adrenocorticotrophic hormone. Williamson N, et al. Ann Rheum Dis 30:327-8, May 71

SYNOVIAL MEMBRANE (A2)

Synovial hemangioma of the knee. Demonstration by arthrography and arteriography. Forrest J, et al. Am J Roentgenol Radium Ther Nucl Med 112:512-6, Jul 71
Soft tissue tumors: classification and principles of management. Das Gupta TK, et al. CA 18:259-63, Sep-Oct 68
Knee injuries: the role of the suprapatellar plica and suprapatellar bursa in simulating internal derangements. Pipkin G. Clin Orthop 74:161-76, Jan 71
Recurrent effusion of the knee joint. A follow-up study of 41 cases. Vahvanen V, et al. Int Surg 54:244-54, Oct 70
The effect of hydrocortisone on fibroblast-leukocyte interaction in vitro. Yaron M, et al. Isr J Med Sci 6:308-11, Mar-Apr 70
Scanning electron microscopy of normal and abnormal articular cartilage and synovium. Redler I, et al. J Bone Joint Surg [Am] 52:1395-404, Oct 70
Synovial chondromatosis of the temporomandibular joint. A case report. Silver CM, et al. J Bone Joint Surg [Am] 53:777-80, Jun 71
Regeneration of synovium of rabbit knees after total chemical synovectomy by ingrowth of connective tissue-forming elements from adjacent bone. A light and electron microscopic study. Campbell WG Jr, et al. Lab Invest 24:404-22, May 71
The growth of vaccine strains of rubella virus in cultured human synovial cells. Grayzel AI, et al. Proc Soc Exp Biol Med 136:496-8, Feb 71
[Synovial membrane and synovial fluids. 1967-1968 review] Dreyfus P. Cah Coll Med Hop Paris 9:377-9, Apr 68 (Fre)
[Synovial membrane tumors] Amouroux J. Cah Med 12:265-71, Mar 71 (Fre)
[Chondroid metaplasia of the knee synovial membrane in an 18-month-old infant inducing the formation of an intra-articular foreign body. Metaplasic synovial osteochondrosis] Desorgher G, et al. J Trop Med Hyg 89:125-8, Mar 71 (Fre)
[The normal synovial membrane. Morphologic and histophysiologic data] Leonardelli J, et al. Lille Med 16:277-84, Feb 71 (Fre)
[Spontaneous rupture of the synovial membrane] Beltran Gutierrez J, et al. Rhumatologie 22:153-8, May 70 (Fre)
[Anatomo-clinical comparison of inflammatory synovial and tenosynovial lesions] Rhumatologie 22:117-36, Apr 70 (Fre)
[Synovectomy (synoviorthesis) by radioisotopes] Cayla J, et al. Therapeutique 45:190-2, Feb 69 (Fre)
[Newer aspects of he function of the inner joint parts in arthrosis and chronic polyarthritis] Dettmer N, et al. Dtsch Med J 20:324-31, 27 May 69 (Ger)
[Synoviarthesis with radioactive gold198] Ghergulescu N, et al. Z Orthop 108:315-7, Sep 70 (Ger)
[Giant angioma of the synovial membrane of the knee] Piccoli E. Arch Putti Chir Organi Mov 24:393-8, 1969 (Ita)
[Articular chondromatosis] Soliazzo M, et al. Arch Putti Chir Organi Mov 24:308-21, 1969 (Ita)
[Synovial permeability with I-131 in arthrotic articulations] Solini A, et al. Minerva Ortop 20:660-2, Dec 69 (Ita)
[Case of tenosynovial osteochondroma originating at the tendon sheath of the ulnar-carpus] Kariya M, et al. Orthop Surg (Tokyo) 21:891-2, Oct 70 (Jap)
[Resorption of blood from the synovial cavity in experimental intra-articular fractures] Ustikova Tia, et al. Ortop Travmatol Protez 32:31-5, Feb 71 (Rus)
[The synovial milieu] Barceló P. Rev Esp Reum Enferm Osteoartic 13:441-90, Oct 70 (120 ref.) (Spa)

ANALYSIS

Kappa:lambda light chain ratio in IgG eluted from rheumatoid arthritis synovium. Lindström FD. Clin Exp Immunol 7:1-10, Jul 70
[Cellbound rheumatoid factor in the synovial membrane--correlation to some histologic findings and clinical features in rheumatoid arthritis] Friis J. Nord Med 84:1507, 19 Nov 70 (Dan)

ANATOMY & HISTOLOGY

[Modern views on the structure and function of synovial membranes] Abgarowicz T. Reumatologia 8:351-6, 1970 (13 ref.) (Pol)

BLOOD SUPPLY

The technetium scintigram as an indicator of synovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Cosh JA, et al. Ann Rheum Dis 29:691, Nov 70
Sympathetic control of synovial blood vessels. Dick WC, et al. Ann Rheum Dis 29:691, Nov 70
The technetium scintigram as an indicator of syovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Osh JA, et al. Ann Rheum Dis 29:691, Nov 70
Synovial perfusion of clinically normal knee joints in patients with rheumatoid arthritis. An isotope study. Porter BB, et al. Ann Rheum Dis 29:649-52, Nov 70
Studies on the sympathetic control of normal and diseased synovial blood vessels: the effect of alpha and beta receptor stimulation and inhibition,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

monitored by the 133xenon clearance technique. Dick WC, et al. Clin Sci 40:197-209, Feb 71
Isotope studies in normal and diseased knee joints: 99mTc uptake related to clinical assessment and to synovial perfusion measured by the 133Xe clearance technique. Dick WC, et al. Clin Sci 40:327-36, Apr 71
Adrenergic control of canine synovial perfusion in experimentally induced osteoarthritis and synovitis. Dick W, et al. Res Vet Sci 11:587-90, Nov 70

CYTOLOGY

The human fetal synovium. Histology, fine structure and changes in organ culture. Krey PR, et al. Arthritis Rheum 14:319-41, May-Jun 71
The morphology and motility of human synovial cells and their pericellular gels: a time-lapse microcinematographic study. Fraser JR, et al. Aust J Biol Sci 23:1297-303, Dec 70
Phagocytosis of colloidal gold by cells of synovial membrane. Southwick WO, et al. J Bone Joint Surg [Am] 53:729-41, Jun 71
Immunohistologic studies of synoviocytes and synovial exudate cells. Hurd ER, et al. J Exp Med 134:Suppl:296s+, 1 Sep 71
Properties of synovial cells in culture. Smith CA. J Exp Med 134:Suppl:306s+, 1 Sep 71
Considerations on some age related characteristic features in the fine structure of synovial membrane. Vasilev V. Nauchni Tr Vissh Med Inst Sofiia 49:1-9, 1970
Electron microscopial examination of the ultra-sonic effect on the rabbit's synovial membrane. Zichner L, et al. Z Gesamte Exp Med 154:1-13, 1971
[Ultrastructure of the regenerated human synovial membrane] Wassilev W. Arch Orthop Unfallchir 69:197-204, 1971 (Ger)
[Synovial cell proliferation in experimental adjuvant arthritis in rats] Beneke G, et al. Z Rheumaforsch 29:335-47, Nov-Dec 70 (Ger)
[Cytological picture of the cells belonging to the layer lining the synovial membrane] Abgarowicz T, et al. Reumatologia 8:333-9, 1970 (Pol)

DRUG EFFECTS

Aneuploid effect of oestradiol on cultured human synovial cells. Lycette RR, et al. NZ Med J 72:114-7, Aug 70
[Chemical synovectomy in experimental arthritis] Daziano L, et al. Union Med Can 98:757-60, May 69 (Fre)

ENZYMOLOGY

Histochemically demonstrable changes in lactate and succinate dehydrogenases in normal rabbits synovial membrane after injection of osmium. Möttönen M, et al. Acta Rheumatol Scand 17:79-84, 1971
Levels of three hydrolases in rheumatoid and regenerated synovium. Granda JL, et al. Arthritis Rheum 14:223-30, Mar-Apr 71
Lactate dehydrogenase in the synovial tissue in rheumatoid arthritis: total activity and isoenzyme composition. Lindy S, et al. Clin Chim Acta 31:19-23, Jan 71
Increased protocollagen proline hydroxylase activity in synovial tissue in rheumatoid arthritis. Uitto J, et al. Clin Chim Acta 30:741-4, Dec 70
[Lysosomal proteases and local inflammation] Mitrovic D, et al. Rev Rhum Mal Osteoartic 37:741-9, Nov 70 (Fre)
[Typical differences between esterase and peroxidase isoenzymes of synovial tissue in progressive chronic polyarthritis] Eberl R, et al. Z Rheumaforsch 29:98-102, Mar-Apr 70 (Ger)

GROWTH & DEVELOPMENT

[Experimental studies of the regeneration ability of normal and inflammatory changed synovial membrane] Rosenkranz M, et al. Beitr Orthop Traumatol 18:100-2, 1971 (Ger)
[Experimental studies on the growth and transformation of elements of the synovial membrane in vitro] Chistova NM. Vopr Onkol 17:64-70, 1971 (Rus)

IMMUNOLOGY

Reactivity between rheumatoid factor and rheumatoid tissue. Milde EJ. Ann Rheum Dis 30:84-90, Jan 71
Persistence of antigen in rabbit synovial membrane. Webb FW, et al. Br J Exp Pathol 52:31-5, Feb 71
Specific binding of immunoconglutinin in tissues and synovial fluids from patients with rheumatoid arthritis. Mellbye OJ, et al. Clin Exp Immunol 8:713-22, May 71
Characterization of IgG complexes in eluates from rheumatoid tissue. Munthe E, et al. Clin Exp Immunol 8:249-62, Feb 71
The origin of antibody-producing cells in experimental synovitis. Loewi G, et al. Int Arch Allergy Appl Immunol 41:132-7, 1971
The lymphocyte in rheumatoid arthritis. Ziff M. J Belge Rhumatol Med Phys 24:168-72, Jul-Aug 69
Response of the rheumatoid synovial membrane to exogenous immunization. Herman JH, et al. J Clin Invest 50:366-73, Feb 71
[In vitro study on the pathogenesis of primary chronic polyarthritis employing the lymphocyte transformation test] Rothenberger W, et al. Klin Wochenschr 48:518-21, 1 May 70 (Ger)

INJURIES

Synovial rupture. Experiments on cadaveric knees. Cowper RA, et al. Ann Rheum Dis 30:162-5, Mar 71

METABOLISM

Connective tissue activation. I. The nature, specificity, measurement and distribution of connective tissue activating peptide. Castor CW. Arthritis Rheum 14:41-54, Jan-Feb 71
Connective tissue activation. II. Abnormalities of cultured rheumatoid synovial cells. Castor CW. Arthritis Rheum 14:55-66, Jan-Feb 71
Phagocytosis of colloidal gold by cells of synovial membrane. Southwick WO, et al. J Bone Joint Surg [Am] 53:729-41, Jun 71
Protein uptake by synovial cells. I. Ultrastructural study of the fate of intraarticularly injected peroxidases. Shannon SL, et al. J Histochem Cytochem 19:29-42, Jan 71
Hyaluronate synthesis by human synovial cells in monolayer culture under treatment with indomethacin and phenylbutazone. Hahn KJ, et al. Pharmacology 5:97-102, 1971
[Detection of drugs in knee joint synovia] Sita F, et al. Arch Toxikol 27:242-7, 1971 (Ger)
[Articular histochemical findings in arthritis induced by Freund's adjuaant in rats. Comparison with human rheumatoid arthritis] Velo GP, et al. Boll Soc Ital Biol Sper 46:395-7, 30 Apr 70 (Ita)

MICROBIOLOGY

Electron microscopical investigation of virus-like particles in rheumatoid synovial membrane. Neumark T, et al. Vnitr Lek 17:625-30, Jul 71

PATHOLOGY

Formation of Russell bodies in rheumatoid arthritis. Neumark T, et al. Acta Morphol Acad Sci Hung 18:183-7, 1970
Dispersed cell cultures of rheumatoid synovial membrane. Palmer DG. Acta Rheumatol Scand 16:261-70, 1970
Synovial giant cells in rheumatoid arthritis and other joint diseases. Bhan AK, et al. Ann Rheum Dis 30:294-8, May 71
Nuclear bodies in rheumatoid synovium. Neumark T, et al. Ann Rheum Dis 29:653-9, Nov 70
Synovial plasma cells in rheumatoid arthritis. Electron microscope and immunofluorescence studies. Orlovskaya GV, et al. Ann Rheum Dis 29:524-32, Sep 70
Tissue culture of cartilage and synovial membrane. Linden AJ van der. Arch Chir Neerl 23:67-74, 1971
Unusual lesion of incudomalleal joint. Gussen R. Arch Otolaryngol 94:169-73, Aug 71
Studies of isolated synovial ling cells of rheumatoid and nonrheumatoid synovial membranes. Kinsella TD, et al. Arthritis Rheum 13:734-53, Nov-Dec 70
Evidence for altered lysosomal membranes in synovial lining cells from human rheumatoid joints. Chayen J, et al. Beitr Pathol 142:137-49, Feb 71
Liquid silicone for intra-articular use in the horse. Riddle WE Jr, et al. J Am Vet Med Assoc 155:1367-9, 15 Oct 67
Degeneration of joints in haemophiliacs under treatment by modern methods. Creveld S van, et al. J Bone Joint Surg [Br] 53:296-302, May 71
Light and electron microscopic appearance of synovial lining tissues in a patient with temporomandibular joint dysfunction. Murnane TW, et al. Oral Surg 31:452-9, Apr 71
The microscopic appearance of synovial membranes in peripheral joints in ankylosing spondylitis. Wagner T. Reumatologia 8:209-15, 1970
[Clear-cell sarcoma of the tendons and aponeurosis. Diagnostic and therapeutic problems. Apropos of a case] Jung A, et al. Rev Chir Orthop 56:553-62, Sep 70 (Fre)
[Synovial membrane and pathogenesis of articular alterations in rheumatoid polyarthritis: possible role of the lysosomal system] Fallet GH. Rev Med Suisse Romande 89:1113-28, Dec 69 (Fre)
[The pathological anatomy of ochronosis (study of a case and general review)] Pageaut G, et al. Rev Rhum Mal Osteoartic 38:277-87, Apr 71 (Fre)
[Complications of hip alloarthroplasty with periarticular tissue reactions] Cotta H, et al. Arch Orthop Unfallchir 69:39-59, 1970 (Ger)
[Cytological picture of the cells belonging to the layer lining the synovial membrane] Abgarowicz T, et al. Reumatologia 8:333-9, 1970 (Pol)
[Ultrastructure of plasma cells of synovial tissue in rheumatoid arthritis] Mul'diiarov Pla, et al. Arkh Patol 32:53-8, 1970 (Rus)
[Optic and electron microscopy of the synovial membrane in Still's disease] Borrachero J, et al. Rev Esp Reum Enferm Osteoartic 13:527-32, Oct 70 (Spa)
[Pathological anatomy of the synovial membrane] Gómez R. Rev Esp Reum Enferm Osteoartic 13:491-3, Oct 70 (Spa)
[Synovial pathological anatomy in Bechterew's disease] Muriach V, et al. Rev Esp Reum Enferm Osteoartic 13:304-6, Jan 70 (Spa)

PHYSIOLOGY

Lubrication of synovial membrane. Radin EL, et al. Ann Rheum Dis 30:322-5, May 71
A study of the permeability of the articular barrier. Engel D. Z Gesamte Exp Med 154:247-52, 1971
[Modern views on the structure and function of synovial membranes] Abgarowicz T. Reumatologia 8:351-6, 1970 (13 ref.) (Pol)

PHYSIOPATHOLOGY

[Capsular regeneration after synovectomy of arthritic joints. Its importance for the restitution of the joint] Schulitz KP, et al. Arch Orthop Unfallchir 70:14-25, 30 Apr 71 (Ger)

RADIATION EFFECTS

The influence of ultra-sonic waves on the permeability of the synovial membrane. Engel D. Z Gesamte Exp Med 155:1-12, 1971
[Our experience with synoviorthesis using yttrium 90] Ruffie R, et al. Rhumatologie 23:161-4, May 71 (Fre)
[Possibilities and dangers of chemical synovectomy] Dahmen G. Hippokrates 42:251-2, Jun 71 (Ger)
[Radioisotopic synoviectomy in the treatment of rheumatoid arthritis] Schiavetti L, et al. Reumatismo 21:23-33, Jan-Feb 69 (Ita)

RADIOGRAPHY

The extrasynovial and capsular fat pads on the posterior aspect of the knee joint. Weston WJ. Br J Radiol 44:277-83, Apr 71
[Information provided by arthrography in osteochondromatosis of the hip] Massare C. J Radiol Electrol Med Nucl 51:312-5, May 70 (Fre)

SURGERY

Synovectomy of the knee in rheumatoid arthritis. I. Short-term observations. Camp AV. Ann Rheum Dis 29:564, Sep 70
Follow-up studies on synovectomy of the knee in rheumatoid arthritis. Deodhar SD, et al. Ann Rheum Dis 29:689, Nov 70
Synovectomy of the knee in rheumatoid arthritis. II. Long-term results. Taylor AR, et al. Ann Rheum Dis 29:564-5, Sep 70
Synovectomy in rheumatoid arthritis. A retrospective study. Mongan ES, et al. Arthritis Rheum 13:761-8, Nov-Dec 70
A study of regenerated synovium after synovectomy of the knee in rheumatoid arthritis. Ranawat CS, et al. Arthritis Rheum 14:117-25, Jan-Feb 71
Synovectomy of proximal interphalangeal joints. Ansell BM, et al. Br J Plast Surg 23:380-5, Oct 70
Prophylactic synovectomy of the rheumatoid hand--a clinical trial with 5-8-year follow-up. Nicolle FV, et al. Br J Surg 58:305-6, Apr 71
Synovectomy in juvenile rheumatoid arthritis. Indications and short-term results. Eyring EJ, et al. J Bone Joint Surg [Am] 53:638-51, Jun 71
Synovectomy and débridement of the elbow in rheumatoid arthritis. Inglis AE, et al. J Bone Joint Surg [Am] 53:652-62, Jun 71
Synovectomy and the rehabilitation of the patient with rheumatoid arthritis. McEwen C. J Bone Joint Surg [Am] 53:621-3, Jun 71
Synovectomy of the elbow for rheumatoid arthritis. Wilson DW. Proc R Soc Med 64:264-6, Mar 71
Synovectomy in haemophilic arthropathy. A new approach to therapy and haemostasis. Storti E, et al. Schweiz Med Wochenschr 100:2005-7, 14 Nov 70
[Knee joint synovectomy in rheumatoid arthritis] Landrgot B, et al. Acta Chir Orthop Traumatol Cech 38:14-22, Feb 71 (Cze)
[Rehabilitation following knee joint synovectomy] Suchan J, et al. Acta Chir Orthop Traumatol Cech 37:332-6, Dec 70 (Cze)
[Synovectomy in the knee joint of children. A preliminary study] Walter S, et al. Nord Med 85:800-3, 1 Jul 71 (Dan)
[Synovectomy in the treatment of rheumatoid arthritis] Vainio K. Duodecim 87:337-47, 1971 (Fin)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Synovectomy in rheumatoid disease] Pouget G, et al.
Presse Med 79:621-6, 20 Mar 71 (Fre)
[Synovectomy in treatment of chronic evolutive polyarthritis] Tailiard W, et al.
Rev Med Suisse Romande 89:1129-39, Dec 69 (Fre)
[Synovectomy in rheumatoid arthritis] Bloch-Michel H, et al. Therapeutique 47:293-5, Mar 71 (Fre)
[II. Orthopedic problems in the treatment of chronic polyarthritis. Our experiences with synovectomy of the knee joint in chronic polyarthritis] Bahra H.
Beitr Orthop Traumatol 17:769-70, Dec 70 (Ger)
[II. Orthopedic problems in the treatment of chronic polyarthritis. Principles of synovectomy] Freude AD.
Beitr Orthop Traumatol 17:741-5, Dec 70 (Ger)
[II. Orthopedic problems in the treatment of chronic polyarthritis. Hitherto existing impressions of hip synovectomy] Schwägerl W.
Beitr Orthop Traumatol 17:766-7, Dec 70 (Ger)
[Importance of synovectomy in the therapy of chronic polyarthritis] Dahmen G.
Hippokrates 42:249-50, Jun 71 (Ger)
[What can one expect from synovectomy?] Stellbrink G. Verh Dtsch Ges Rheumatol 1:413-20, 1969 (Ger)
[Functional regeneration after experimental synovectomy] Bozděch Z, et al.
Z Orthop 108:98-104, Jul 70 (Ger)
[Evaluation of success of surgical treatment in progressive chronic polyarthritis] Crasselt C, et al.
Z Rheumaforsch 30:109-18, Mar-Apr 71 (Ger)
[Value of synovectomy] Gschwend N.
Z Rheumaforsch 29:129-37, May-Jun 70 (Ger)
[New trend in the therapy of hemophilic arthropathy: synovectomy] Storti E, et al.
Haematol Lat 12:551-4, Jul-Dec 69 (Ita)
[Synovectomy in rheumatoid arthritis]
Policlinico [Prat] 77:1006-9, 3 Aug 70 (Ita)
[Synovectomy of finger joints] Mori M, et al.
Orthop Surg (Tokyo) 21:851-5, Oct 70 (Jap)
[Synovectomy of the knee joint] Shimizu M, et al.
Shujutsu 24:1352-8, Nov 70 (Jap)
[Ankle joint synovectomy in rheumatoid arthritis] Jakubowski S.
Chir Narzadow Ruchu Ortop Pol 35:683-9, 1970 (Pol)
[Evaluation of synovectomy in rheumatoid arthritis in children in the light of our personal observations] Jakubowski S, et al.
Reumatologia 8:299-305, 1970 (Pol)
[Current surgical treatment of rheumatoid arthritis] Escayola Ritter JL, et al.
Rev Esp Reum Enferm Osteoartic 13:413-9, Jul 70 (Spa)
[Value of "late" synovectomy of the knee in rheumatoid arthritis] Dürrigl P, et al.
Reumatizam 18:1-4, 1971 (Cro)
[Personal rehabilitation method after synovectomy of the knee in rheumatoid arthritis] Vitulić V, et al.
Reumatizam 18:5-7, 1971 (Cro)

SYNOVIOMA (C2)

[Clear-cell sarcoma of the tendons and aponeurosis. Diagnostic and therapeutic problems. Apropos of a case] Jung A, et al.
Rev Chir Orthop 56:553-62, Sep 70 (Fre)
[Case report of a synovial sarcoma of the forearm] Longo S, et al.
Rass Int Clin Ter 51:408-19, 15 Apr 71 (Ita)
[Conditions of synovial sarcoma and tumors of synovial origin] Takechi H, et al.
Orthop Surg (Tokyo) 21:1083-91, Dec 70 (Jap)
[Malignant synovial tumor in the knee joint. Diagnosis, treatment and results after 16 years] Storen H.
Nord Med 85:381-2, 25 Mar 71 (Nor)
[Synovial sarcomas in children] Durnov LA, et al.
Khirurgiia (Mosk) 46:57-61, Jul 70 (Rus)
[2 cases of malignant synoviomas in children] Feoktistov GF.
Ortop Travmatol Protez 31:72-4, Aug 70 (Rus)

DIAGNOSIS

[Differential diagnosis and therapy of synovial neoformations] Zippel H.
Beitr Orthop Traumatol 16:741-6, Dec 69 (Ger)
[Clinical aspects of malignant synovialomas] Mastny KH, et al. Zentralbl Chir 96:199-202, 6 Feb 71 (Ger)
[Problems in diagnosis and treatment of synovial sarcoma] Kobayashi M, et al.
Orthop Surg (Tokyo) 22:39-45, Jan 71 (Jap)
[Mediastinal synovioma] Bidiak IV, et al.
Grudn Khir 13:121-3, Mar-Apr 71 (Rus)
[Primary pleural sarcoma] Zil'bershtein BS, et al.
Grudn Khir 13:124-5, Mar-Apr 71 (Rus)
[Diagnosis and treatment of malignant synovioma] Knysh IT, et al. Vestn Khir 106:61-5, Jan 71 (Rus)
[Diagnosis of malignant synoviomas] Daniel'-Bek KV, et al. Vopr Onkol 16:8-13, 1970 (Rus)
[Intra- and juxta-articular tumors and some of their peculiarities] Červeňanský J.
Bratisl Lek Listy 55:524-37, May 71 (Slo)
[Malignant tumors in the knee region with an atypical course] Haluzický M, et al.
Bratisl Lek Listy 54:462-8, Oct 70 (Slo)

IMMUNOLOGY

[A study of the antigenic structure of human sarcoma by the agar precipitation method] Gorodilova VV, et al. Vopr Onkol 16:48-52, 1970 (Rus)

MORTALITY

[Survival in synovialoma] Janeček M, et al.
Beitr Orthop Traumatol 16:747-51, Dec 69 (Ger)

PATHOLOGY

Synovial sarcoma of the tongue. Novotny GM, et al.
Arch Otolaryngol 94:77-9, Jul 71
Left ventricular obstruction caused by metastatic sarcoma. Calvelo MG, et al.
Arch Pathol 91:222-4, Mar 71
Synovial sarcoma of the abdominal wall. Hale JE, et al.
Br J Cancer 24:471-4, Sep 70
[Clear-cell sarcoma of sheaths and tendons. Apropos of a case] Cammoun M, et al.
Arch Anat Pathol (Paris) 18:191-8, Sep 70 (Fre)
[Case of synovial sarcoma localized in the retroperitoneum] Eusebi V, et al.
Arch Ital Anat Istol Patol 43:260-70, 1970 (Ita)
[Morphological and histoformative characteristics of sarcoma synoviale] Dąbska M.
Nowotwory 21:9-19, Jan-Mar 71 (Pol)

RADIOGRAPHY

Radiologic seminar CIX. Synovial sarcoma in the lower extremity. Ray CA 3d.
J Miss State Med Assoc 12:364-6, Jul 71
[Rare soft tissue tumors of the foot] Lénárt G, et al.
Beitr Orthop Traumatol 16:765-6, Dec 69 (Ger)

SURGERY

Problems in the management of synovial sarcoma. Rao RS. Indian J Cancer 8:30-4, Mar 71
Soft tissue sarcomas involving the extremities and the limb girdles: a review. Thompson DE, et al.
South Med J 64:33-44, Jan 71 (33 ref.)
[Synoviosarcoma. (Presentation of a case)] Julien PP.
Union Med Can 100:287-9, Feb 71 (Fre)
[Differential diagnosis and therapy of synovial neoformations] Zippel H.
Beitr Orthop Traumatol 16:741-6, Dec 69 (Ger)
[Problems in diagnosis and treatment of synovial sarcoma] Kobayashi M, et al.
Orthop Surg (Tokyo) 22:39-45, Jan 71 (Jap)
[Giant cell tumors of the tendon sheaths of the hand] Usol'tseva EV.
Ortop Travmatol Protez 32:18-22, Apr 71 (Rus)

THERAPY

[Diagnosis and treatment of malignant synovioma] Knysh IT, et al. Vestn Khir 106:61-5, Jan 71 (Rus)

SYNOVITIS (C3)

Transient synovitis of the hip joint in children. Vandeputte L, et al.
Acta Orthop Belg 37:188-93, Mar-Apr 71
Synovitis. Arthritis Rheum 13:587-91, Sep-Oct 70
[A case of pigmented villo-nodular synovitis of the knee] Peron J, et al.
Presse Med 79:1539-40, 10 Jul 71 (Fre)
[Diffuse pigmented villonodular synovitis] Kaludi M.
Union Med Can 98:1155-9, Jul 69 (Fre)
[Localized pigmented villonodular synovitis of the knee] Fintea AB. Harefuah 79:270-1, 15 Sep 70 (Heb)
[Pigmented villonodular synovitis] Lavik K.
Nord Med 85:98, 21 Jan 71 (Nor)
[2 cases of synovitis villonodularis pigmentosa] Bialecki S, et al.
Chir Narzadow Ruchu Ortop Pol 35:797-800, 1970 (Pol)

COMPLICATIONS

Natural history of synovial hypertrophy in the rheumatoid had. Kay AG.
Ann Rheum Dis 30:98-102, Jan 71
Hemarthrosis and sickle cell trait. Casey DF, et al.
Arthritis Rheum 13:882-6, Nov-Dec 70
Synovitis of the hip in children and its significance. Jacobs BW. Pediatrics 47:558-66, Mar 71

DIAGNOSIS

Articular scanning and external counting in experimental synovitis in the guinea-pig. Mowat AG, et al. Ann Rheum Dis 30:183-6, Mar 71
Pseudogout. Wood WA.
J Am Podiatry Assoc 61:59-60, Feb 71
[Transitory synovitis of the hip joint in the child] Ackermann HJ, et al.
Beitr Orthop Traumatol 17:469-75, 1970 (Ger)
[Clinical aspects of malignant synovialomas] Mastny KH, et al. Zentralbl Chir 96:199-202, 6 Feb 71 (Ger)

DRUG THERAPY

Effect of iron dextran, gold thiosulphate, and hydrocortisone acetate on experimental synovitis in the guinea pig. Mowat AG, et al.
Ann Rheum Dis 30:187-93, Mar 71
Intra-articular Thiotepa in rheumatoid disease. A clinical analysis of 123 injected MP and PIP joints. Ellison MR, et al.
Arthritis Rheum 14:212-22, Mar-Apr 71
[Use of hydrocortisone in the treatment of bursitis, tendovaginitis and sinovitis] Iurdzh A.
Veterinariia 10:96-7, Oct 70 (Rus)

ENZYMOLOGY

Acid phosphatase activity in the synovial fluid of patients with rheumatoid arthritis and other joint disorders. Beckman G, et al.
Acta Rheumatol Scand 17:47-56, 1971

ETIOLOGY

Chronic synovitis as a manifestation of calcium crystal deposition disease. Moskowitz RW, et al.
Arthritis Rheum 14:109-16, Jan-Feb 71
Crystal synovitis. Currey HL.
Rep Rheum Dis 37:1-2, Jun 69
[Synovitis villosa chronica-posttraumatica] Hlaváček V, et al.
Acta Chir Orthop Traumatol Cech 38:37-41, Feb 71 (Cze)
[Cristalline coxopathies resembling infection] Serre H, et al. Sem Hop Paris 46:3288-94, 8 Dec 70 (Fre)
[Endoarticular and periarticular inoculation of metallic mercury due to the breakage of a clinical thermometer (contribution of 2 clinical cases and experimental study)] Marcer E, et al.
Fracastoro 62:442-53, Sep-Oct 69 (Ita)
[On a case of arthrosynovitis of the knee caused by Mima polymorpha] Rotella F, et al.
Minerva Ortop 21:247-9, Mar 70 (Ita)

IMMUNOLOGY

The complement system in rheumatoid synovitis. II. Intracytoplasmic inclusions of immunoglobulins and complement. Britton MC, et al.
Arthritis Rheum 14:87-95, Jan-Feb 71
The complement system in rheumatoid synovitis. I. An analysis of complement component activities in rheumatoid synovial fluids. Ruddy S, et al.
Arthritis Rheum 13:713-23, Nov-Dec 70
The origin of antibody-producing cells in experimental synovitis. Loewi G, et al.
Int Arch Allergy Appl Immunol 41:132-7, 1971
[Role of facilitating antibodies on the development of a chronic bacterial infection: experimental staphylococcal synovitis in chickens] Forget A, et al.
Rev Eur Etud Clin Biol 15:895-9, Oct 70 (Fre)
[Immunocomplexes and rheumatoid synovitis: detection by mixed immunofluorescence] Bonomo L, et al. Folia Allergol (Roma) 16:380-8, Jul-Aug 69 (Ita)

PATHOLOGY

[Histochemical findings on pigmented villo-nodular synovitis] Rinonapoli E, et al.
Arch Putti Chir Organi Mov 24:185-92, 1969 (Ita)
[Pigmented villonodular synovitis. Review of the literature. Report of 2 cases] Poal-Manresa J, et al.
Rev Esp Reum Enferm Osteoartic 13:307-16, Jan 70 (Spa)

PHYSIOPATHOLOGY

Adrenergic control of canine synovial perfusion in experimentally induced osteoarthritis and synovitis. Dick W, et al. Res Vet Sci 11:587-90, Nov 70

RADIOGRAPHY

Double-contrast arthrography in the diagnosis of pigmented villonodular synovitis of the knee. Wolfe RD, et al.
Am J Roentgenol Radium Ther Nucl Med 110:793-9, Dec 70
[A case of pigmentary villo-nodular synovitis of the knee. Arterial opacification before operation. Total synovectomy. Recovery] Ecoiffier J, et al.
Ann Radiol (Paris) 13:713-7, 1970 (Fre)
[Radiographic aspects of transitory arthrosynovitis of the hip] Mariotti G, et al.
Ann Radiol Diagn (Bologna) 42:101-12, Jul 69 (Ita)
[Clinico-radiological aspects by juvenile villonodular arthrosynovitis pigmentosa] Ottolenghi G, et al.
Minerva Radiol 14:109-15, Mar-Apr 69 (Ita)

RADIOTHERAPY

[Utilization of intra-articular radioactive gold in treatment of persistent knee effusions] Lachance PA, et al. Laval Med 41:336-9, Mar 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Synoviolysis by radiation with Au198] Badía Flores J, et al. Prensa Med Mex 35:424-8, Nov-Dec 70 (Spa)

SURGERY

Surgical synovectomy and experimental immune synovitis in the rabbit knee joint. Currey HL, et al. Ann Rheum Dis 29:503-8, Sep 70

THERAPY

[Problem of treatment of synovitis villonodosa] Jastrzebski J, et al.
Beitr Orthop Traumatol 17:186-8, Feb 70 (Ger)

VETERINARY

Synovitis induced by intra-articular inoculation of inactivated Mycoplasma mycoides in calves. Piercy DW. J Comp Pathol 80:549-58, Oct 70
[Preservation of limb and claw health under modern production conditions] Dietz O, et al.
Monatsh Vet Med 26:241-6, 1 Apr 71 (Ger)

SYNTETRIN see ROLITETRACYCLINE (D3)

SYPHACIA see under OXYUROIDEA (B1)

SYPHILIDS see SYPHILIS, CUTANEOUS (C1, C12)

SYPHILIS (C1)

Syphilis. Calif Med 115:47-60, Aug 71
A case of gumma of the ciliary body. Kalidasan CS. J All India Ophthalmol Soc 18:33-6, Apr 70
Syphilitic disorders of the spine. Report of two cases. Johns D. J Bone Joint Surg [Br] 52:724-31, Nov 70
The relationship of syphilis to primary carcinoma of the tongue. Meyer I, et al. Oral Surg 30:678-81, Nov 70
Treponematoses research. Report of a WHO scientific group. WHO Tech Rep Ser 455:1-91, 1970 (240 ref.)
[Syphilis 1970] Achten G, et al.
Brux Med 50:975-87, Nov 70 (Fre)
[Clinical and therapeutic aspects of syphilis from 1920 to the present] Mestdagh C, et al.
Brux Med 50:989-94, Nov 70 (Fre)
[An African immigrant] Dubuisson M.
Cah Coll Med Hop Paris 10:303-5, 15 Apr 69 (Fre)
[Current aspects of primo-secondary syphilis. I. Primary syphilis] Presse Med 78:1848, 10 Oct 70 (Fre)
[Syphilis in pregnant women and newborns] Maragliano G. Minerva Ginecol 22:633-8, 15 Jul 70 (Ita)
[Syphilis] Mizuoka K. Naika 27:1256-60, Jun 71 (Jap)
[Changes in the trends in syphilis in pregnancy] Sawazaki C, et al.
Sanfujinka Jissai 20:112-9, Feb 71 (Jap)
[Syphilous lesions of the stomach treated surgically] Kulicz A, et al. Pol Przegl Chir 43:641-3, 1971 (Pol)
[Course and forms of syphilis] Rabello FE.
An Bras Dermatol 45:255-66, Jul-Sep 70 (Por)
[Late results of a complex study of children born to syphilitic mothers properly treated before and during pregnancy] Pochkhua PE.
Vestn Dermatol Venerol 45:66-7, Feb 71 (Rus)

BLOOD

Blood platelet behaviour in syphilis. Szanto SF. Br J Vener Dis 47:14-6, Feb 71
[Dynamics of iron and copper content in the blood of patients with syphilis treated with bicillin-6] Abdullaev AKh.
Vestn Dermatol Venerol 43:57-61, Aug 69 (Rus)
[Iron saturation of blood plasma transferrin in with syphilis and gonorrhea] Tumasheva NI, et al.
Vestn Dermatol Venerol 44:53-5, Jun 70 (Rus)
[Effect of penicillin on the blood coagulation system in patients with syphilis and gonorrhea] Tumasheva NI, et al. Vestn Dermatol Venerol 44:63-5, Jul 70 (Rus)

CEREBROSPINAL FLUID

Fluorescent antibody tests for syphilis using cerebrospinal fluid: clinical correlation in 150 cases. Escobar MR, et al. Am J Clin Pathol 53:886-90, Jun 70

COMPLICATIONS

Gumma of the lung--a case confirmed by thoracotomy and biopsy. Weaver PC, et al.
Br J Dis Chest 64:238-41, Oct 70
Secondary syphilis with chickenpox in an adult. Fiumara NJ, et al. Br J Vener Dis 47:142-3, Apr 71
Early syphilitic hepatitis. A possible case. Le Clair RA. Br J Vener Dis 47:212, Jun 71
Syphilitic lymphadenitis. Br Med J 4:67, 10 Oct 70
Nephropathy of secondary syphilis. A clinical and pathological spectrum. Bhorade MS, et al.
JAMA 216:1159-66, 17 May 71
Liver disease associated with early syphilis. Baker AL, et al. N Engl J Med 284:1422-3, 24 Jun 71
Liver disease associated with secondary syphilis. Lee RV, et al. N Engl J Med 284:1423-5, 24 Jun 71
The liver in secondary (early) syphilis. Sherlock S. N Engl J Med 284:1437-8, 24 Jun 71
[Tabetic Parinaud's syndrome] Dereux J, et al.
J Sci Med Lille 89:173-6, Mar 70 (Fre)
[Syphilitic pulmonary lafaret revealing gumma] Vidal J, et al. Presse Med 79:763, 3 Apr 71 (Fre)
[Apropos of 2 cases of acricular syphilis] Poilpre E, et al. Rev Otoneuroophtalmol 43:136-40, Apr 71 (Fre)
[Syndrome of the orbital apex and syphilitic meningoencephalitis] Valentin L, et al.
Rev Otoneuroophtalmol 42:482-6, Dec 70 (Fre)
[2 cases of submaxillary adenopathy (primary syphilis and toxoplasmosis)] Debaillieul P.
Rev Stomatoodontol Nord Fr 25:101-4, 1970 (Fre)
[Syphilitic changes in the region of the mouth mucosa] Maerker R.
Dtsch Zahnaerztl Z 25:1177-80, Dec 70 (Ger)
[Secondary syphilitic hepatitis. Clinical and pathogenetic considerations and presentation of a case] Albertazzi F, et al.
G Ital Dermatol 45:440-5, Jul 70 (Ita)
[Intracerebral aneurysm of probably luetic origin] Kopczyński S, et al. Pol Tyg Lek 25:1465-6, Sep 70 (Pol)
[Case of syphilis of the lung] Ruszel KB.
Pol Tyg Lek 26:645-6, 26 Apr 71 (Pol)
[Specific arthritis. Tubercular arthritis, luetic arthritis, focal arthritis, pogenic arthritis] Houli J.
Rev Bras Med 27:555-9, Nov 70 (Por)
[Metronidazole as a possible reason for difficulty in diagnosis of syphilis] Il'in II, et al.
Vestn Dermatol Venerol 45:74-6, Feb 71 (Rus)

DIAGNOSIS

Diagnostic cytology of the stomach in gastric syphilis. Report of two cases. Prolla JC, et al.
Acta Cytol (Baltimore) 14:333-7, May 70
The demonstration of Treponema pallidum with fluorescent antibody techniques in the primary stage of syphilis. Danielsson D, et al.
Acta Pathol Microbiol Scand [B] 78:267, 1970
Fluorescent antibody tests for syphilis using cerebrospinal fluid: clinical correlation in 150 cases. Escobar MR, et al. Am J Clin Pathol 53:886-90, Jun 70
Application of the semi-automatic disposable tip pipette to routine serologic test. Carter PK, et al.
Am J Med Technol 37:87-9, Mar 71
Test patterns of yaws antibodies in New Zealand. Fischman A, et al. Br J Vener Dis 47:91-4, Apr 71
Immunofluorescent staining for the detection of Treponema pallidum in early syphilitic lesions. Wilkinson AE, et al. Br J Vener Dis 47:252-4, Aug 71
Masking of syphilis. Br Med J 3:206, 24 Jul 71
Secondary syphilis misdiagnosed as a lymphoma. Goffinet DR, et al. Calif Med 112:22-3, May 70
Evaluation of the automated fluorescent treponemal antibody test for syphilis. Hornstein HJ, et al.
J Lab Clin Med 77:885-90, May 71
A case of sero-positive primary syphilis of the tonsil. Vincenti NH. J Laryngol Otol 85:869-70, Aug 71
Occurrence of fetal syphilis after a nonreactive early gestational serologic test. al-Salihi FL, et al.
J Pediatr 78:121-3, Jan 71
A laboratory test is not a diagnosis. Fiumara NJ.
JAMA 217:71, 5 Jul 71
FTA-ABS and VDRL slide test reactivity in a population of nuns. Goldman JN, et al.
JAMA 217:53-5, 5 Jul 71
Slide impregnation method for Treponema pallidum and other spirochetes. Di Virgilio G, et al.
Lab Pract 19:1028-30, Oct 70
Diagnosis and treatment of syphilis. Sparling PF. N Engl J Med 284:642-53, 25 Mar 71 (136 ref.)
Diagnosis and treatment of venereal disease. Foster MT Jr. Postgrad Med 50:67-73, Jul 71
Rapid plasma diagnosis of syphilis. Nicolau G, et al.
Rom Med Rev 15:44-8, Jan-Mar 71
[Syphilis of the ear. Clinical and therapeutical study] Guerrier Y, et al.
Minerva Otorinolaringol 20:226-30, Nov-Dec 70 (Fre)
[The indirect hemagglutination reaction in syphilis (Reiter antigen). 1. From the technical viewpoint] Engelbrecht E, et al.
Pathol Microbiol (Basel) 36:44-50, 1970 (Fre)
[The indirect hemagglutination reaction in syphilis (Reiter antigen). 2. The reaction compared with usual tests; study of 50 serums] Engelbrecht E, et al.
Pathol Microbiol (Basel) 36:51-6, 1970 (Fre)
[Current aspects of primo-secondary syphilis. II. Secondary syphilis]
Presse Med 78:1945, 24 Oct 70 (Fre)
[Immunity conditions in treponematoses] Guthe T, et al. Hautarzt 22:329-33, Aug 71 (49 ref.) (Ger)
[Clinical and therapeutic aspects of syphilis] Storck H.
Praxis 60:412-9, 30 Mar 71 (Ger)
[Syphilis diagnosis in the age of antibiotics] Luger A.
Wien Klin Wochenschr 83:241-5, 9 Apr 71 (Ger)
[Differential diagnosis of virus hepatitis against hepatic syphilis] Granicki O, et al.
Pol Tyg Lek 26:276-8, 22 Feb 71 (Pol)
[Significance of the Nelson reaction in the diagnosis of syphilitic organ involvement] Kozakiewicz J, et al.
Pol Tyg Lek 26:706-8, 10 May 71 (Pol)
[Case of secondary recurring syphilis erroneously diagnosed as lymphogranulomatosis] Raben AS, et al.
Klin Med (Mosk) 48:97-9, Oct 70 (Rus)
[Metronidazole as a possible reason for difficulty in diagnosis of syphilis] Il'in II, et al.
Vestn Dermatol Venerol 45:74-6, Feb 71 (Rus)
[Bacterioscopic diagnosis of active forms of syphilis] Metlitskii NI, et al.
Vestn Dermatol Venerol 44:54-8, Jul 70 (Rus)
[Clinico-prognostic significance of the Treponema pallidum immobilization reaction in patients with seroresistant syphilis] Skripkin IuK, et al.
Vestn Dermatol Venerol 45:58-62, Jan 71 (Rus)
[The luminescent method of detecting pupillary disorders in early forms of syphilis] Kochetkov VD, et al. Zh Nevropatol Psikhiatr 71:202-4, 1971 (Rus)

DRUG THERAPY

Veneraldisease. Acquired syphilis--drugs and blood tsts. Brn WJ. Am J Nurs 71:713-5, Apr 71
An unusual Jarisch-Herxheimer reaction. Thin RN. Br J Vener Dis 47:293-4, Aug 71
Re-appraising the effect on incubating syphilis of treatment for gonorrhoea. Woodcock KR.
Br J Vener Dis 47:95-101, Apr 71
Therapy for syphilis during pregnancy. George RP Jr. N Engl J Med 284:1271-2, 3 Jun 71
Diagnosis and treatment of syphilis. Sparling PF. N Engl J Med 284:642-53, 25 Mar 71 (136 ref.)
Diagnosis and treatment of venereal disease. Foster MT Jr. Postgrad Med 50:67-73, Jul 71
[Evaluation of therapy for early syphilis] Kvićera J.
Cesk Dermatol 45:218-21, Sep 70 (Cse)
[Contribution to the study of syphilis. Treatment with a tetracycline derivative of syphilis seroresistant to penicillin] Wanet J.
Arch Belg Dermatol Syphiligr 25:41-71, Jan-Mar 69 (Fre)
[Early malignant syphilis after insufficient treatment with penicillin] Agache P, et al.
Bull Soc Fr Dermatol Syphiligr 77:356-9, 1970 (Fre)
[Non or insufficient action of discontinuous penicillino-bismuth treatments on the serology of ancient syphilis] Marill FG, et al.
Bull Soc Fr Dermatol Syphiligr 77:900-2, 1970 (Fre)
[Treatment of recent syphilis with terramycin] Tramier G, et al.
Bull Soc Fr Dermatol Syphiligr 76:198-200, 1969 (Fre)
[The general practitioner and the current treatment of syphilis] Civatte J, et al.
Cah Med 11:1283-7, 15 Dec 70 (Fre)
[Current treatment of primary and secondary syphilis] Fayolle J. J Med Lyon 50:1697-9, 5 Dec 69 (Fre)
[Accident in lymphography] Touzeau F, et al.
J Radiol Electrol Med Nucl 50:242-4, Mar-Apr 69 (Fre)
[Syphilis of the ear. Clinical and therapeutical study] Guerrier Y, et al.
Minerva Otorinolaringol 20:226-30, Nov-Dec 70 (Fre)
[Serum, lymph node and testicular concentrations of penicillin in 31 healthy or syphilitic rabbits treated with penicillin] Pechère JC, et al.
Pathol Biol (Paris) 19:49-52, Jan 71 (Fre)
[Does serological penicillin resistence to lues exist?] Mazzi R. Dermatologica 141:65-8, 1970 (Ger)
[Action site and effectiveness of the antisyphilitic penicillin therapy. I. Position and structure of Treponema pallidum: action site of penicillin] Luger A. Hautarzt 21:531-9, Dec 70 (Ger)
[Site of action of efficacy of antisyphilitic treatment with penicillin. II. Problems of penicillin dosage] Luger A. Hautarzt 22:1-6, Jan 71 (92 ref.) (Ger)
[Clinical and therapeutic aspects of syphilis] Storck H.
Praxis 60:412-9, 30 Mar 71 (Ger)
[Effect of corticosteroids on the Jarisch-Herxheimer reaction] Luger A, et al.
Wien Klin Wochenschr 83:206-12, 26 Mar 71 (Ger)
[Blood level studies on the depot effect of ciemizole-penicillin G in antiluetic therapy] Kleinhans D.
Z Haut Geschlechtskr 46:359-65, 1 Jun 71 (Ger)
[Syphilis therapy in penicillin incompatibility] Landes E, et al. Z Haut Geschlechtskr 45:793-8, 15 Dec 70 (Ger)
[Syphilis and pregnancy] Menkhaus G.
Zentralbl Gynaekol 92:625-7, 16 May 70 (Ger)
[Treatment of ophthalmic syphilis, with special reference to cephaloridine therapy] Mikuni M, et al.
Ophthalmology (Tokyo) 12:724-31, Sep 70 (Jap)
[Studies of the value of erythromycin and oxytetracycline in treatment of early syphilis] Bowszyc J, et al. Pol Tyg Lek 25:1394-6, Sep 70 (Pol)
[A case of failure in the treatment of early syphilis with erythromycin] Dratwiński Z.
Przegl Dermatol 58:69-71, Jan-Feb 71 (Pol)
[Protein and lipoprotein fractions of the blood serum in therapy of syphilitic patients] Mirakhmedov UM.
Vestn Dermatol Venerol 43:52-5, Aug 69 (Rus)
[Results of treating patients with syphilis and the functional state of the adrenal cortex] Shtein AA, et al. Vestn Dermatol Venerol 44:47-52, Oct 70 (Rus)
[Late results of treating syphilis with bicillin-1,3,4 and bicillin-3,4 in combination with pyrogenal] Vasil'ev TV. Vestn Dermatol Venerol 45:50-8, Jan 71 (Rus)
[Treatment of early syphilis and venereal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

lymphogranulomatosis with doxycycline] Hevia H, et al. Rev Med Chil 99:402-5, Jun 71 (Spa)

ENZYMOLOGY

Changes in the serum transaminases in patients with syphilis. Tio BS, et al. Br J Vener Dis 47:263-5, Aug 71

HISTORY

Syphilis in the Bible. Goldman L.
Arch Dermatol 103:535-6, May 71
Albert Neisser (1855-1916). (Neisser A), Schwarz H.
Invest Urol 8:478-80, Jan 71
Syphilis and Neanderthal man. Wright DJ.
Nature (Lond) 229:409, 5 Feb 71
[Therapy of syphilis at the Prague Medical Clinic in the year 1824] Sinkulová L.
Cesk Dermatol 46:87-90, Apr 71 (Cze)
[Beethoven's disease] (Beethoven L), Herrero Ducłaux K. Prensa Med Argent 57:2018-25, 1 Jan 71 (Spa)

IMMUNOLOGY

Resistance and serological changes in rabbits immunized with virulent Treponema pallidum sonicate. Izzat NN, et al.
Acta Derm Venereol (Stockh) 51:157-60, 1971
A nationwide serum survey of Argentinian military recruits, 1965-1966. I. Description of sample and antibody patterns with arboviruses, polioviruses, respiratory viruses, tetanus and treponematosis. Evans AS, et al. Am J Epidemiol 93:111-21, Feb 71
The "in vitro" lymphocyte blast transformation and syphilis. Mezzadra G, et al.
Arch Belg Dermatol Syphiligr 25:385-8, Oct-Dec 69
Immunofluorescence investigations of antibodies against treponemal group antigen. Jakubowski A, et al. Br J Vener Dis 46:383-5, Oct 70
Distribution of syphilitic antibodies in gel-filtered serum fractions. Jobbágy A.
Br J Vener Dis 46:445-50, Dec 70
Relationship of antibodies detected by the immunofluorescence method with the various classes of immunoglobulins in cases of untreated syphilis. Manikowska-Lesińska W, et al.
Br J Vener Dis 46:380-2, Oct 70
Studies on Treponema pallidum haemagglutination antibodies. I. TPHA antibodies in experimental syphilitic rabbits. Okamoto S, et al.
Br J Vener Dis 47:77-80, Apr 71
Sulphydryl sensitivity of syphilitic antibodies and temperature dependence in complement fixation. Surján M, et al. Br J Vener Dis 47:87-90, Apr 71
The immunoglobulin class of fluorescent treponemal antibodies in syphilis. Atwood WG, et al.
Int J Dermatol 9:259-66, Oct-Dec 70
Cell-mediated immunity and lymphocyte transformation in syphilis. Levene GM, et al.
Proc R Soc Med 64:426-8, Apr 71
[Immuno-allergic lymphoblastogenesis and Treponema antigen in vitro in syphilis] Bădănoi A, et al. Arch Roum Pathol Exp Microbiol 28:419-27, Jun-Sep 69 (Fre)
[Cryoglobulin and rheumatoid factor during primosecondary syphilis] Perrot H, et al.
Presse Med 7:1059-60, 8 May 71 (Fre)
[Complement binding antibodies in cardiolipin-stimulated lymphocyte cultures from patients with syphilis] Hunyadi J, et al.
Arch Klin Exp Dermatol 239:282-7, 1970 (Ger)
[Sialo fluorescence treponema antibody test, a new method of demonstrating specific antibodies in the saliva in syphilis] Krell L.
Dermatol Monatsschr 155:668-72, 1969 (Ger)
[Immunoglobuline in cerebrospinal fluid. Syphilis and IgG] Heitmann HJ.
Dtsch Med Wochenschr 96:966-7, 28 May 71 (Ger)
[Results of the FTA test as a routine examination in syphylis serology] Morgenstern H.
Wien Klin Wochenschr 82:155-6, 27 Feb 70 (Ger)
[Quantitative determination and serological activity of 19S- and 7S-immunoglobulins in syphilis II] Kuwert E, et al.
Z Immunitaetsforsch Exp Klin Immunol 141:303-16, Apr 71 (Ger)

MICROBIOLOGY

Acute choroido-retinitis in secondary syphilis. Presence of spiral organisms in the aqueous humour. Macfaul PA, et al. Br J Vener Dis 47:159-61, Jun 71

OCCURRENCE

Specious syphilography. Schoch AG.
Arch Dermatol 102:562-3, Nov 70
Primary and secondary syphilis. Country of origin study, 1969. British Cooperative Clinical Group.
Br J Vener Dis 46:477-84, Dec 70
Some observations following a serological survey for syphilitic infection among the population of Sikkim. Mitra SK. Indian J Med Sci 24:634-9, Oct 70
Treponematoses in Ethiopia. Schaller KF.
Int J Dermatol 9:170-2, Jul-Sep 70
Syphilis--1957 to 1970. Murphree J.
J Med Assoc State Ala 40:479-80, Jan 71
The incidence of syphilis in the Bantu: survey of 587 cases from Baragwanath hospital. Dogliotti M.
S Afr Med J 45:8-10, 2 Jan 71
Trends in early syphilis. Sowell RF.
Tex Med 66:26, Nov 70
[Syphilis in Belgium. Year 1967] Heyne D.
Arch Belg Med Soc 26:632-46, Nov-Dec 68 (Dut)
[Data concerning venereal diseases in France. 1968-1969 (study of reported cases)] Martin-Bouyer G, et al.
Bull Inst Nati Sante Rech Med 25:1379-404, Nov-Dec 70 (Fre)
[Incidence of treponematosis in the French Antilles] Pautrizel R, et al.
Bull Inst Nati Sante Rech Med 24:149-58, Mar-Apr 69 (Fre)
[Recent and contagious syphilis in blood donors (new Toulouse statistics)] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 76:245-8, 1969 (Fre)
[Combined epidemic of pruritus and syphilis. What therapeutic procedure should be followed?] Rollier MR.
Bull Soc Fr Dermatol Syphiligr 76:713-4, 1969 (Fre)
[New survey of endemic syphilis in Senegal. Clinical and epidemiological study. Serological study, isolation of a Treponema strain] Basset A, et al.
Bull Soc Pathol Exot 62:1017-34, Nov-Dec 69 (Fre)
[Syphilis in Morocco in the region of Fès] Kozlovski G.
Maroc Med 50:723-8, Dec 70 (Fre)
[Serologic syphilis reactions in the Tangiers region] Mailloux M. Maroc Med 51:172-3, Mar 71 (Fre)
[Effects of the increasing frequency of adult contagious syphilis on those of newborn infants and infants in the Lille and Douai areas since 1962] Desmons F. Pediatrie 26:429-32, Jun 71 (Fre)
[Is neurolues disappearing?] Burckhardt W, et al.
Dermatologica 141:69-71, 1970 (Ger)
[Syphilis in the Bundeswehr. Statistical evaluation of documentations from the past 10 years] Biehler H.
Hautarzt 22:206-13, May 71 (Ger)
[Syphilis and gonorrhea at the Munich University dermatological hospital, 1959-1969] Petzoldt D, et al.
Hautarzt 22:253-7, Jun 71 (Ger)
[Epidemiological situation of lues and gonorrhea] Petzoldt D. Med Klin 66:335-8, 5 Mar 71 (34 ref.) (Ger)
[Morbidity rate of syphilis and congenital syphilis in Osaka Prefecture] Tsugami H, et al.
Acta Dermatol (Kyoto) 65:213-6, Nov 70 (Jap)
[Infection of the sex organs in the years 1964-1966 and 1967-1969] Zuber E, et al.
Pol Tyg Lek 25:1457-8, Sep 70 (Pol)
[World-wide epidemiological tendencies of syphillis and bienorrhagia] Guthe T.
Bol Of Sanit Panam 70:6-25, Jan 71 (Spa)
[Epidemiological survey of syphilis] Vander Meer DC, et al. Bol Of Sanit Panam 69:291-313, Oct 70 (Spa)
[Brucellosis and syphilis transmitted by transfusion] Becerra-García A.
Gac Med Mex 101:699-701, Jun 71 (Spa)
[Modern contra conception and veneral diseases] Lakartidningen 67:Suppl III:16, 12 Oct 70 (Swe)

PATHOLOGY

Skin biopsy in cases of secondary syphilis. Smith EB, et al. Br J Vener Dis 46:426, Oct 70

PHYSIOPATHOLOGY

[Results of treating patients with syphilis and the functional state of the adrenal cortex] Shtein AA, et al. Vestn Dermatol Venerol 44:47-52, Oct 70 (Rus)

PREVENTION & CONTROL

Attempts at immunization against syphilis with avirulent Treponemma pallidum. Izzat NN, et al.
Br J Vener Dis 46:451-3, Dec 70
Eradication of syphilis. Jonas S, et al.
N Engl J Med 285:412, 12 Aug 71
[Prophylactic treatment with penicillin in venereal diseases] Luger A. Hautarzt 22:135, Mar 71 (Ger)
[Current epidemiological value of prophylactic serological tests] Lesiński J, et al.
Przegl Dermatol 58:163-8, Mar-Apr 71 (Pol)
[The essential elements of a syphilis control program] Brown WJ. Bol Of Sanit Panam 70:59-65, Jan 71 (Spa)

RADIOGRAPHY

[Clinico-radiologic manifestations of gummatous syphilis involving the soft tissues] Khazov PD. Vestn Dermatol Venerol 45:85-7, Feb 71 (Rus)

THERAPY

[Statistical approach to the problem of treatment of syphilis with reference to serological evaluation] Flarer F.
Arch Belg Dermatol Syphiligr 26:289-301, 1970 (Ita)
[Serogical resistance in syphilis and its causes] Bucharowicz MN.
Przegl Dermatol 57:621-30, Sep-Oct 70 (Rus)

SYPHILIS, CARDIOVASCULAR (C1, C8)

[Cardiovascular syphilis] De Mattos AD.
An Bras Dermatol 45:267-70, Jul-Sep 70 (Por)
[Myocarditis of syphilitic etiology] Nikolov G.
Sov Med 33:50-5, Dec 70 (Rus)

COMPLICATIONS

A case of juvenile angina pectoris probably due to congenital syphilis. Kobayashi T, et al.
Jap Circ J 35:221-6, Feb 71
A case of syphilitic aneurysm of the aortic sinus and aortic regurgitation. Okawa S, et al.
Jap Heart J 12:105-10, Jan 71
A case of left bundle branch block complicated with myocardial infarction in syphilitis aortitis. Miyaji K, et al. Mie Med J 20:125-31, Sep 70
[Aneurysm of the aorta and block of the right branch in a 22 year old man. Syphilitic origin?] Heuillet G, et al.
Bull Soc Fr Dermatol Syphiligr 76:482-6, 1969 (Fre)
[Aortic rupture secondary to a suprasigmoid syphilitic gumma. Aortic insufficiency and fatal hemopericardium] Louis P, et al.
Coeur Med Interne 10:313-21, Apr-Jun 71 (Fre)
[Luetic thoraco-lumbal aortic aneurysm with arrosion of the vertebral body] Boldt I, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:846-9, Jun 71 (Ger)
[Case of enterorrhagia caused by jejunal arteriolitis in a syphilitic patient] Petrović N, et al.
Med Pregl 23:45-8, 1970 (Ser)

DIAGNOSIS

Syphilitic aortic aneurysm. Greenberg JA.
N Engl J Med 284:394, 18 Feb 71

IMMUNOLOGY

The value of autoantibodies to vascular lipids in syphilis and non-syphilis. Stone OJ.
Int J Dermatol 10:31-4, Jan-Mar 61

PREVENTION & CONTROL

Can we prevent heart disease? Werkö L.
Ann Intern Med 74:278-88, Feb 71

RADIOGRAPHY

[The detection of lues by radiophotography] Petrović J. Plucne Bolesti Tuberk 22:229-32, Jul-Sep 70 (Cro)

SURGERY

Syphilitic ostial coronaritis. Analysis of 6 observations. Michaud P, et al.
J Cardiovasc Surg (Torino) 12:254-63, May-Jun 71

SYPHILIS, CONGENITAL (C1, C16)

Congenital syphilis: a nonvenereal disease. Caldwell JG. Am J Nurs 71:1768-72, Sep 71
Congenital syphilis in 1970: a case report. Drucker MG, et al. Bull Hosp Joint Dis 31:132-40, Oct 70
Congenital syphilis in the newborn infant: clinical and pathological observations in recent cases. Oppenheimer EH, et al.
Johns Hopkins Med J 129:83-82, Aug 71
Syphilis and Neanderthal man. Wright DJ.
Nature (Lond) 229:409, 5 Feb 71
[Syphilis in pregnant women and newborns] Maragliano G. Minerva Ginecol 22:633-8, 15 Jul 70 (Ita)
[Congenital syphilis] Rabello FE.
An Bras Dermatol 45:377-88, Oct-Dec 70 (Por)
[Recurrence of congenital syphilis. Report of 3 cases] Silveira WS da.
Bol Inst Pueric Pediatr (Rio de J) 25:67-86, 1968-69 (Por)
[Late results of a complex study of children born to syphilitic mothers properly treated before and during pregnancy] Pochkhua PE.
Vestn Dermatol Venerol 45:66-7, Feb 71 (Rus)
[Early congenital syphilis] Turro OR, et al.
Arch Argent Pediatr 67:1-8, Jan-Jun 69 (Spa)
[Recalling the first fundamental campaigns in clinical orientation by professor Castex at the end of the 50th anniversary of the publication of his great work "La sffilis hereditaria tardía"] (Castex MR), Romano N, et al. Prensa Med Argent 57:1034-40, 31 Jul 70 (Spa)
[Clinico-anatomical peculiarities of congenital syphilis in early childhood] Khurgina SL, et al.
Pediatr Akush Ginekol 1:30-1, Jan-Feb 70 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

Infantile congenital syphilis. Presenting with bilateral orchitis. Singh R, et al. Br J Vener Dis 47:206-8, Jun 71
A case of juvenile angina pectoris probably due to congenital syphilis. Kobayashi T, et al. Jap Circ J 35:221-6, Feb 71
[Study of 2 cases of congenital syphilitic hepatitis with biopsy] Lepercq G, et al. Ann Med Interne (Paris) 122:633-8, May 71 (Fre)
[Congenital nasal syphilis repaired by rhinoplasty] Fayala H. Tunis Med 48:335-8, Sep-Oct 70 (Fre)
[Progressive syphilitic paresis in a 12-year-old girl] Gościńska Z, et al. Pediatr Pol 46:369-71, Mar 71 (Pol)
[Spurious manifestations of cerebral tumor in the course of hysterica reaction in a child with syphilitic encephalopathy] Bratkowa A. Pol Tyg Lek 26:217-8, 8 Jul 71 (Pol)

DIAGNOSIS

Congenital syphilis. Eagistein WH. Arch Dermatol 103:524-6, May 71
Manifestations of late congenital syphilis. An analysis of 271 patients. Fiumara NJ, et al. Arch Dermatol 102:78-83, Jul 70
The fluorescent treponemal antibody-absorption test: a micromethod. Einbinder JM, et al. J Lab Clin Med 76:961-4, Dec 70
CBC done-no VDRL-results: two congenital syphilitics. Hines HP, et al. Jap J Physiol 67:309-10, Jul 71
Perinatal tips. Zaveli PM. Mich Med 70:123-4, Feb 71
Neonatal congenital syphilis. Diagnosis by the anti IgM treponemal fluorescence test. Kipnis J, et al. Rev Inst Med Trop Sao Paulo 13:179-83, May-Jun 71
[Technics of demonstration of IgM type antibodies in congenital infections] Dropsy G, et al. Ann Biol Clin (Paris) 29:67-73, 1971 (Fre)
[Early congenital bone syphilis: various clinical and radiological aspects] Fazzi A, et al. Rev Paul Med 77:73-6, Mar 71 (Por)

DRUG THERAPY

Hutchinson's teeth and early treatment of congenital syphilis. Bernfeld WK. Br J Vener Dis 47:54-6, Feb 71
[Remote results of treatment of children born to mothers with syphilis or with a history of syphilis] Pochkhua PE. Vestn Dermatol Venerol 44:58-60, Aug 70 (Rus)
[Use of Videin--vitamin D3--in pediatric dermatovenereological practice] Studnitsin AA, et al. Vestn Dermatol Venerol 44:25-8, Feb 70 (Rus)

EMBRYOLOGY

Fetal growth with congenital syphilis: a quantitative study. Naeye RL. Am J Clin Pathol 55:228-31, Feb 71

IMMUNOLOGY

[Immunoglobulins in congenital syphilis (with special reference to IgM)] Armenio L, et al. Pediatria (Napoli) 78:246-52, 1970 (Ita)

OCCURRENCE

[Effects of the increasing frequency of adult contagious syphilis on those of newborn infants and infants in the Lille and Douai areas since 1962] Desmons F. Pediatrie 26:429-32, Jun 71 (Fre)
[Syphilis and pregnancy] Menkhaus G. Zentralbl Gynaekol 92:625-7, 16 May 70 (Ger)
[Morbidity rate of syphilis and congenital syphilis in Osaka Prefecture] Tsugami H, et al. Acta Dermatol (Kyoto) 65:213-6, Nov 70 (Jap)
[Prenatal syphilis. Review of the case records of the Hospital Infantile de Monterrey (1963-1968--20 cases)] De la Garza Garcia J. Minerva Pediatr 22:1257-8, 23 Jun 70 (Spa)

PREVENTION & CONTROL

[Prophylaxis in congenital syphilis] Chmielecki A. Wiad Lek 23:1487-90, 1 Sep 70 (16 ref.) (Pol)

RADIOGRAPHY

Healing in congenital osseous syphilis. Levin EJ. Am J Roentgenol Radium Ther Nucl Med 110:591-7, Nov 70
Congenital syphilis: resurgence of an old problem. Wilkinson RH, et al. Pediatrics 47:27-30, Jan 71
[Neonatal osseous syphilis: radiological diagnosis and evolutive aspects] Morucci M, et al. Nunt Radiol 35:213-31, Mar 69 (Ita)

SYPHILIS, CUTANEOUS (C1, C12)

[2 rare cases of secondary syphilis] Roftburd MF. Vestn Dermatol Venerol 44:76-9, Nov 70 (Rus)

DIAGNOSIS

Witkop disease. Two 'favoid' cases due to syphilis. Jain PS. Br J Vener Dis 47:216-7, Jun 71
Some unusual manifestations of syphilis. Condylomata lata of the face. A retrospective diagnosis. Sehgal VN, et al. Br J Vener Dis 47:204-5, Jun 71
Sarcoidal reaction of the skin in syphilis. Singh R, et al. Br J Vener Dis 47:209-11, Jun 71
Horny syphilide. Sowmini CN, et al. Br J Vener Dis 47:213-5, Jun 71
[Atypical or anomalous secondary syphilis (malignant syphilis?)] Cordero AA, et al. Prensa Med Argent 57:1957-61, 25 Dec 70 (Spa)

ETIOLOGY

Evolution of syphilitic chancres with virulent Treponema pallidum in the rabbit. Izzat NN, et al. Br J Vener Dis 47:67-72, Apr 71

PATHOLOGY

[A case of precocious malignant syphilis] Laugier P, et al. Arch Belg Dermatol Syphiligr 25:317-20, 1969 (Fre)

SYPHILIS, LATENT (C1)

COMPLICATIONS

Mpilo Hospital Round. Euthyroidism, exophthalmos, acropachy and pretibial myxoedema. Thomas JE. Cent Afr J Med 17:23-4, Jan 71
[A case of mycosis fungoides (in lues latens seropositiva) with radiographically detectable pulmonary granulomas] Standau H, et al. Z Haut Geschlechtskr 46:379-85, 15 Jun 71 (Ger)
[Polyneuritis in the course of early latent syphilis] Hulanicka K, et al. Neurol Neurochir Pol 5:121-4, 1971 (Pol)

DIAGNOSIS

A graphic guide for clinical management of latent syphilis. Pereyra AJ, et al. Calif Med 112:13-8, May 70
[Current epidemiological value of prophylactic serological tests] Lesiński J, et al. Przegl Dermatol 58:163-8, Mar-Apr 71 (Pol)
[Value of present-day serological tests in the diagnosis of symptomless sources of infection and contacts in early syphilis] Manikowska-Lesińska W, et al. Przegl Dermatol 58:157-62, Mar-Apr 71 (Pol)

DRUG THERAPY

Adequate treatment for syphilis. Allyn G. Arch Dermatol 103:462, Apr 71

OCCURRENCE

[Statistical considerations on verified cases of latent syphilis among the patients of 2 hospitals of Genoa in 1968] Di Rocco P. Ig Mod 62:699-704, 1969 (Ita)

SYPHILIS SERODIAGNOSIS (E1)

Sensitivity and specificity of automated serologic tests for syphilis. Cate TR, et al. Am J Clin Pathol 55:735-9, Jun 71
Characteristics of fluorescein labelled antiglobulin preparations that may affect the fluorescent treponemal antibody-absorption test. Hardy PH, et al. Am J Clin Pathol 56:181-6, Aug 71
Automated reagin test for syphilis in a multichannel blood grouping machine. Schroeter AL, et al. Am J Clin Pathol 56:43-9, Jul 71
Further evaluation of the automated fluorescent treponemal antibody test for syphilis. Coffey EM, et al. Appl Microbiol 21:820-2, May 71
Fluorescent treponemal antibody-absorption (FTA-ABS) test in patients with aortic valvular insufficiency. Baumgartner BR, et al. Br J Vener Dis 46:386-9, Oct 70
Evaluation of an automated fluorescent treponemal antibody test for syphilis. Coffey EM, et al. Br J Vener Dis 46:271-7, Aug 70
Interactions of antilipoidal antibodies with yolk sac antigens. Lassus A, et al. Br J Vener Dis 47:169-72, Jun 71
Serology of normal primates. Levine BM, et al. Br J Vener Dis 46:307-10, Aug 70
Evaluation of a modified FTA-ABS test multispot FTA-ABS. O'Neill P, et al. Br J Vener Dis 46:278-83, Aug 70
Incomplete agglutinins against Treponema pallidum. Podwińska J, et al. Br J Vener Dis 47:81-6, Apr 71
Comparison between the results of the Brewer rapid plasma reagin card test and other tests for syphilis. Tio BS. Br J Vener Dis 46:287-9, Aug 70
Clinical evaluation of the T. pallidum haemagglutination test. Ueste T, et al. Br J Vener Dis 47:73-6, Apr 71
Rapid plasma reagin (RPR) card test. A screening method for treponemal disease. Walker AN. Br J Vener Dis 47:259-62, Aug 71
Mitochondrial and other tissue autoantibodies in patients with biological false positive reactions for syphilis. Donisch D, et al. Clin Exp Immunol 6:871-84, Jun 70
Serological tests for syphilis in Uganda. Masawe AE. East Afr Med J 47:673-80, Dec 70
A lyophilization medium for FTA-ABS test antigen. Hunter EF, et al. Health Lab Sci 8:35-9, Jan 71
An improved antigen for the FTA-ABS test. Hunter EF, et al. Health Lab Sci 7:237-41, Oct 70
Chronic biological false-positive reactions to serological tests for syphilis in blood donors. Garner MF, et al. J Clin Pathol 23:478-80, Sep 70
Apparent false-positive reactions in a serologic test for syphilis and presence of antinuclear factor in hybrids of NZB and A-J mice. Norins LC, et al. J Immunol 105:1108-10, Nov 70
Evaluation of the automated fluorescent treponemal antibody test for syphilis. Hornstein HJ, et al. J Lab Clin Med 77:885-90, May 71
A preliminary study of the treponemal pallidum haemagglutination test (TPHA). Vejjajiva S, et al. J Med Assoc Thai 54:256-9, Apr 71
Occurrence of fetal syphilis after a nonreactive early gestational serologic test. al-Salihi FL, et al. J Pediatr 78:121-3, Jan 71
A laboratory test is not a diagnosis. Fiumara NJ. JAMA 217:71, 5 Jul 71
FTA-ABS and VDRL slide test reactivity in a population of nuns. Goldman JN, et al. JAMA 217:53-5, 5 Jul 71
A typical FTA-ABS test fluorescence in lupus erythematosus. Jennis F. JAMA 215:488-9, 18 Jan 71
CBC done-no VDRL-results: two congenital syphilitics. Hines HP, et al. Jap J Physiol 67:309-10, Jul 71
An epidemic of false positives. Lancet 1:1170-1, 5 Jun 71
Automation of serological tests for syphilis. Lancet 2:1295, 19 Dec 70
Diagnosis and treatment of syphilis. Sparling PF. N Engl J Med 284:642-53, 25 Mar 71 (136 ref.)
Laboratories approved for serologic tests for syphilis. N Engl J Med 283:1343-5, 10 Dec 70
The diagnosis of infectious syphilis. Desmond FB. NZ Med J 73:135-8, Mar 71
The role of sorbent in the absorbed fluorescent treponemal antibody (FTA-ABS) test. Wilkinson AE, et al. Proc R Soc Med 64:422-5, Apr 71
The significance of cardiolipin immunofluorescence (CLF). Wright JM, et al. Proc R Soc Med 64:419-22, Apr 71
FTA-ABS test (using Reiter sonicate and "sorbent") in comparison with other serologic tests for syphilis. Tringali G, et al. Riv Ist Sieroter Ital 44:51-8, Jan-Apr 69
Rapid plasma diagnosis of syphilis. Nicolau G, et al. Rom Med Rev 15:44-8, Jan-Mar 71
The VDRL slide test in 322 cases of darkfield positive primary syphilis. Wende RD, et al. South Med J 64:633-4, May 71
Biological false positive VDRL test in malaria. Haghighi L, et al. Trop Geogr Med 22:482-5, Dec 70
[Significance of the FTA-ABS test in the diagnosis of lues. Comparison with the classical TPI test] Schneiderka P, et al. Cesk Epidemiol Mikrobiol Imunol 19:225-9, Sep 70 (Cze)
[Immuno-allergic lymphoblastogenesis and Treponema antigen in vitro in syphilis] Bădănoi A, et al. Arch Roum Pathol Exp Microbiol 28:419-27, Jun-Sep 69 (Fre)
[Cortuitous discovery of a positive syphilitic serology (attempted interpretation and management)] Maleville MJ. Bord Med 4:747-8 passim, Mar 71 (Fre)
[Serodiagnosis of syphilis using a passive hemagglutination reaction with a treponema antigen. First results obtained] Paris-Hamelin A, et al. Bull Soc Fr Dermatol Syphiligr 77:474-82, 1970 (Fre)
["Microtiter" technic for VDRL] Kasatiya SS, et al. Can J Public Health 62:61-2, Jan-Feb 71 (Fre)
[Automatic indirect immunofluorescence applied to syphilis serology (AFTA)] Kasatiya SS, et al. Can J Public Health 62:166-8, Mar-Apr 71 (Fre)
[Serologic syphilis reactions in the Tangiers region] Mailloux M. Maroc Med 51:173-3, Mar 71 (Fre)
[Syphilis serodiagnosis and its clinical interpretation] Brun R. Praxis 59:233-7, 17 Feb 70 (Fre)
[Practical interpretation of serologic tests for syphilis] Renoux M. Presse Med 79:685-9, 24 Mar 71 (Fre)
[Principle and effect of anti-treponema pallida specific syphilis tests FTA and TPI] Blaurock G, et al. Dtsch Gesundheitsw 26:1152-6, 17 Jun 71 (Ger)
[Syphilis diagnosis in the age of antibiotics] Luger A. Wien Klin Wochenschr 83:241-5, 9 Apr 71 (Ger)
[Results of the FTA test as a routine examination in syphylis serology] Morgenstern H. Wien Klin Wochenschr 82:155-6, 27 Feb 70 (Ger)
[Experiences with the Lues-test treponipol] Heitmann HJ. Z Haut Geschlechtskr 45:771-4, 1 Dec 70 (Ger)
[Serologic tests for syphilis diagnosis in general practice] Rácz I. Orv Hetil 112:630-1, Mar 71 (Hun)
[Production and control of Reiter treponema antigen] Surján L, et al. Orv Hetil 111:2655-7, 8 Nov 70 (Hun)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Further development in the diagnosis of syphilis. The use of Kline antigen. Preparation of National Standard serum] Surján L, et al.
Orv Hetil 111:2653-4, 8 Nov 70 (Hun)
[Statistical approach to the problem of treatment of syphilis with reference to serological evaluation] Flarer F.
Arch Belg Dermatol Syphiligr 26:289-301, 1970 (Ita)
[Serologic diagnosis of lues] Garofoli C.
Policlinico [Prat] 78:452-60, 1 Jun 71 (Ita)
[Significance of the Nelson reaction in the diagnosis of syphilitic organ involvement] Kozakiewicz J, et al.
Pol Tyg Lek 26:706-8, 10 May 71 (Pol)
[Current epidemiological value of prophylactic serological tests] Lesiński J, et al.
Przegl Dermatol 58:163-8, Mar-Apr 71 (Pol)
[Value of present-day serological tests in the diagnosis of symptomless sources of infection and contacts in early syphilis] Manikowska-Lesińska W, et al.
Przegl Dermatol 58:157-62, Mar-Apr 71 (Pol)
[Early immunofluorescence reaction (FTA-ABS) in the serodiagnosis of syphilis] Ulloque JL, et al.
Hospital (Rio de J) 78:261-5, Jul 70 (Por)
[Modern serology of syphilis. II. Preparation for production of a cardiolipin antigen of the VDRL type for serodiagnosis of syphilis with a flocculation reaction. Value and methods of use] Georgescu M, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:263-72, May-Jun 71 (Rum)
[Modern serology of syphilis. I. Preparation and testing of the cardiolipin antigen for the complement fixation reaction, introduced in production at the "Dr. I. Cantacuzino Institute"] Georgescu M, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:67-72, Jan-Feb 71 (Rum)
[Results of complement fixation test with toxoplasmic antigen in syphilitic patients] Filina SA, et al.
Vestn Dermatol Venerol 43:55-7, Aug 69 (Rus)
[Immunofluorescence reaction using fresh blood in syphilis] Milonova TI.
Vestn Dermatol Venerol 45:68-73, Feb 71 (Rus)
[Protein and lipoprotein fractions of the blood serum in therapy of syphilitic patients] Mirakhmedov UM.
Vestn Dermatol Venerol 43:52-5, Aug 69 (Rus)
[The laboratory in the diagnosis of syphilis] Breña-Villaseñor G.
Gac Med Mex 100:957-62, Sep 70 (Spa)
[Serology of syphilis. Development and concepts. Study on 50 patients] Belli L, et al.
Prensa Med Argent 58:720-5, 4 Jun 71 (Spa)
[Recent advances in research on venereal diseases] Brown WJ.
Salud Publica Mex 11:621-3, Sep-Oct 69 (Spa)

INSTRUMENTATION

Application of the semi-automatic disposable tip pipette to routine serologic test. Carter PK, et al.
Am J Med Technol 37:87-9, Mar 71
Syphilis screening using the multi-channel blood-grouping machine. Lockyer JW.
Br J Vener Dis 46:290-4, Aug 70

STANDARDS

Validity of the VDRL test on cerebrospinal fluid contaminated by blood. Izzat NN, et al.
Br J Vener Dis 47:162-4, Jun 71
[Quality control of serological tests, with special reference to syphilis serodiagnosis] Fukuoka Y.
Jap J Clin Pathol 18:Suppl:45-60, 1970 (Jap)

SYRINGES (E2, E4)

A cement syringe. Slooff TJ.
Acta Orthop Belg 35:1012-4, 1969
Effects of speed and direction of injection on the level and duration of spinal anesthesia. Neigh JL, et al.
Anesth Analg (Cleve) 49:912-8, Nov-Dec 70
Mechanism and magnitude of leakage of oxygen from blood and water samples stored in plastic syringes. Scott PV, et al. Br J Anaesth 43:717-8, Jul 71
Leakage of oxygen from blood and water samples stored in plastic and glass syringes. Scott PV, et al.
Br Med J 3:512-6, 28 Aug 71
Equipment for preparing and inspecting disposable glass syringes. Schure J, et al.
Bull Parenter Drug Assoc 24:271-6, Nov-Dec 70
Separation of drugs from blood contaminated syringe washings. Gomm PJ. J Forensic Sci Soc 10:7-12, Jan 70
Large dose errors due to redistribution of 133-Xe in carpules and plastic syringes. Keaney J, et al.
J Nucl Med 12:249-50, May 71
Peyronie's disease: a method of treatment. Toksu E.
J Urol 105:523-4, Apr 71
Tuberculin testing with disposable plastic syringes. Carruthers KJ. Med J Aust 2:315-7, 15 Aug 70
Syringe for liver biopsy. Scott EG.
N Engl J Med 284:556-7, 11 Mar 71
The bacteria-removal efficiency of mechanical lavage and rubber-bulb syringe irrigation in contaminated avulsive wounds. Stewart JL, et al.
Oral Surg 37:842-8, Jun 71
99mTc-sulfur colloid losses in a disposable syringe. Freedman GS. Radiology 99:197-8, Apr 71
[The use of an injector without needle for intradermal BCG vaccination] Chambon L, et al.
Med Trop (Mars) 30:809-28, Nov-Dec 70 (Fre)
[Syringe sterilization following blood specimen withdrawal] Grün L.
Dtsch Med Wochenschr 96:1024, 4 Jun 71 (Ger)
[Use of a stopped-flow technic for short-pulse incubation of microorganisms and cell suspensions] Schell PL. Z Naturforsch [B] 26:174-5, Feb 71 (Ger)
[Automatic injection device] Várszegi I, et al.
Orv Hetil 112:510, 28 Feb 71 (Hun)
[Application of infra-red absorption spectroscopy to examination of drugs and their preparation. XIX. Determination of silicone oil in disposable plastic syringes] Kojima S, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:28-9, 1970 (Jap)
[Radiosterilization of medical products. II. Effects of radiation on physical and chemical properties of disposable plastics syringes] Oba T, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:19-23, 1970 (Jap)
[Effectiveness of active measures against the parenteral route of infectious hepatitis spread] Iasinskif AA, et al. Sov Med 34:133-5, Jan 71 (Rus)
[Experience in the replacement of bone defects using pulverized spongy bone transplanted by means of revolvar syringe] Limberg AA, et al.
Vestn Khir 105:107-14, Dec 70 (Rus)
[Technic of carrying out vaccinations with the needleless injector BIP-4] Agafonov VI, et al.
Voen Med Zh 7:51-2, Jul 70 (Rus)
[Training of personnel in the method of using the tubing-syringe] Koziov NA, et al.
Voen Med Zh 6:68, Jun 70 (Rus)
[Use of jet injectors for smallpox immunization. 2. Immunologic response to experimental intradermal jet injector administration of smallpox vaccine] Akatova-Sheiukhina EM, et al.
Vopr Virusol 15:313-6, May-Jun 70 (Rus)
[Use of a needleless syringe in anti-tularemia vaccination] Olsuf'ev NG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:93-5, Apr 70 (Rus)
[Adaptation of a syringe needle for placing sutures in surgery of the nasal cavity] Sokoliuk MV.
Zh Ushn Nos Gorl Bolezn 30:109-10, May-Jun 70 (Rus)

ADVERSE EFFECTS

Fatal staphylococcal septicemia associated with use of jet injector for measles vaccination. Kassanoff I, et al.
Pediatrics 47:135-7, Jan 71
[Dangerous multiple dose injection] Svedmyr A.
Lakartidningen 68:2222, 5 May 71 (Swe)

HISTORY

Th origins of hypodermic medication. Howard-Jones N.
Sci Am 224:96-102, Jan 71

INSTRUMENTATION

The spinal-needle director. Morley TS.
Anesthesiology 34:580, Jun 71
[Radiosterilization of medical products. I. Effects of radiation on physical and chemical properties of injection needles] Oba T, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:14-8, 1970 (Jap)

STANDARDS

An evaluation of syringes. Hill WT Jr.
Hospitals 45:69-72, 16 Aug 71
Pressure injection of local anesthetics: clinical evaluation of an instrument. Epstein S.
J Am Dent Assoc 82:374-7, Feb 71
[A study of the utility of a number of cartridge syringes for aspiration] Bos AL, et al.
Ned Tijdschr Tandheelkd 78:157-60, Apr 71 (Dut)
[Theoretical evaluation of the sharpness of injection needles] Mironova NS.
Nov Med Priborostr 2:82-90, 1969 (Rus)

VETERINARY

[Obtaining and shipping blood, plasma and serum samples in polyethylene injection syringes] Pionait H.
Dtsch Tierarztl Wochenschr 77:16, 1 Jan 70 (Ger)
[Suggestion for outfitting the hypodermic needle with a counter after Dr. Bähner] Pietschmann, et al.
Monatsh Vet Med 25:247-8, 15 Mar 70 (Ger)
[Proposals for improving veterinary syringes] Baranov GM, et al. Veterinariia 12:73, Dec 70 (Rus)

SYRINGOMYELIA (C10)

Syringomyelia. Chakravorty BG.
Bull Calcutta Sch Trop Med 18:27-8, Jan 70
[Lindau's disease. Angioreticuloma of the cerebellum, hemangioma of the terminal cone, syringomyelic syndrome (cervical)] Pecker J, et al.
Presse Med 79:635-6, 20 Mar 71 (Fre)
[Diabetic polyneuritis with sensitivo-trophic symptoms of a syringomyelic type] Mapelli G, et al.
Riv Sper Freniatr 94:392-402, 30 Apr 70 (Ita)

CEREBROSPINAL FLUID

Treatment of syringomyelia. Williams B.
Br Med J 2:774, 28 Jun 71

COMPLICATIONS

The Dandy-Walker syndrome associated with syringomyelia in a newborn infant. Vuia O, et al.
Confin Neurol 33:33-40, 1971
Vibratory syringomyelic condition. Eskenazy JJ.
Folia Psychiatr Neurol Jap 24:239-90, 1970 (83 ref.)
Syringomyelia: a case with unusual clinical features. Bamrungphol V, et al.
J Med Assoc Thai 53:649-55, Sep 70
Sudden death in case of syringomyelia. Sköld G.
Z Rechtsmed 68:273-6, 1971
[Neurogenic osteoarthropathies (radiographic aspects)] Sabetta F, et al.
Chir Organi Mov 59:29-56, Jun 70 (Ita)
[A case of osteoarthropathy of the shoulder joints in syringomyelia] Kudelski J, et al.
Przegl Lek 26:884-5, 1970 (Pol)

DIAGNOSIS

[Differential diagnosis of rheumatic diseases of the hand after the age of 60] Saudan Y.
Rev Med Suisse Romande 88:321-30, May 68 (Fre)
[Clinical picture of syringomyelia] Schliep G, et al.
Fortschr Neurol Psychiatr 39:53-82, Feb 71 (Ger)
[Pseudosyringomyelitic acropathy] Karalitskif EM.
Vestn Dermatol Venerol 44:72-6, Jun 70 (Rus)
[Syringomyelia in childhood] Borisov NA.
Zh Nevropatol Psikhiatr 70:1292-7, 1970 (Rus)
[Feasibility and value of mechanoelectrography in neurologic diagnosis] Shutov AA, et al.
Zh Nevropatol Psikhiatr 71:496-502, 1971 (Rus)

DRUG THERAPY

[Nibufin treatment of syringomyelia patients with motor, vasomotor and sensory disorders] Sirotkin VM, et al.
Zh Nevropatol Psikhiatr 70:1810-4, 1970 (Rus)

ETIOLOGY

Intramedullary cyst formation with progressive gliosis (traumatic syringomyelia) following spinal cord injury. Horenstein S.
Trans Am Neurol Assoc 95:263-6, 1970
[Further contribution to the study of experimental syringomyelia and of slow viruses producing neurospongiosis] Guiraud P.
Encephale 60:124-35, Mar-Apr 71 (Fre)
[Review of the syringomyelia concept with special reference to the communicating type caused by a defect in the drainage of the fourth ventricle] Rodríguez Vallejo J, et al.
Rev Clin Esp 120:363-8, 28 Feb 71 (Spa)
[Medico-legal problems raised by syringomyelia and hematomyelia] Tuero M, et al.
Rev Esp Otoneuroftalmol Neurocir 28:319-22, 1969-70 (Spa)

FAMILIAL & GENETIC

[The heredity of syringomyelia] Skvirskaia KB.
Zh Nevropatol Psikhiatr 70:1281-6, 1970 (Rus)

METABOLISM

[The regional features of protein, mineral and mucopolysaccharide metabolism in syringomyelia patients] Sirotkin VM, et al.
Zh Nevropatol Psikhiatr 70:1287-92, 1970 (Rus)

OCCURRENCE

Syringomyelia in Mississippi. Tipton AC Jr, et al.
J Miss State Med Assoc 11:533-7, Oct 70

PHYSIOPATHOLOGY

[Status of the gastrointestinal tract in syringomyelia] Razumovskaia KL.
Klin Med (Mosk) 47:128-31, Sep 69 (Rus)
[Pneumotonometry--method of functional evaluation of abdominal muse paresis in the clinical picture of nervous diseases] Izakson KhA, et al.
Zh Nevropatol Psikhiatr 70:1660-2, 1970 (Rus)

RADIOGRAPHY

14th crookshank lecture syringomyelia: a radiodiagnostic and radiotherapeutic saga. Logue V.
Clin Radiol 22:2-16, Jan 71 (32 ref.)
[Cervical syringomyelia and gas myelography] Fournier AM.
J Radiol Electrol Med Nucl 50:924-6, Dec 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOTHERAPY

Treatment of syringomyelia. Br Med J 2:355, 15 May 71
14th crookshank lecture syringomyelia: a radiodiagnostic and radiotherapeutic saga. Logue V. Clin Radiol 22:2-16, Jan 71 (32 ref.)
[X-ray irradiation in syringomyelia. Catamnestic studies with simultaneous consideration of the question of irradiation tolerance of the spinal cord] Hallen O, et al.
Strahlentherapie 139:527-31, May 70 (Ger)

SURGERY

Treatment of syringomyelia. Br Med J 2:355, 15 May 71
A new surgical approach in the treatment of hydromyelia and syringomyelia. The embryological basis and the first results. Krayenbühl H, et al. J R Coll Surg Edinb 16:147-61, May 71

THERAPY

[Clinical picture of syringomyelia] Schliep G, et al. Fortschr Neurol Psychiatr 39:53-82, Feb 71 (Ger)

SYSTEMS ANALYSIS (L)

Systems approach to nursing care plans. Cornell SA, et al. Am J Nurs 71:1376-8, Jul 71
The role of simulation in the health services. Flagle CD. Am J Public Health 60:2386-94, Dec 70
Disability equivalencies: a logic system for comparison of alternate health programs. Meyer DR. Am J Public Health 61:1514-7, Aug 71
Meaning of systems analysis. Am J Public Health 61:218-20, Feb 71
Thresholds in biophysical systems. Hermann ER. Arch Environ Health 22:699-706, Jun 71
Evaluation of a university speech and hearing program through PERT. Panagos JM, et al. ASHA 13:207-12, Apr 71
Multi-variate probit analysis. Ashford JR, et al. Biometrics 26:535-46, Sep 70
Basic studies on metabolic steady state. Linearity of a metabolic tracer system. Norwich KH, et al. Biophysik 7:169-80, 1971
Significance of microbial interactions in control of microbial ecosystems. Gall LS. Biotechnol Bioeng 12:333-40, May 70
Logistics of organizing a practical course. Jewell BR. Br J Med Educ 4:210-5, Sep 70
How systems engineering can improve hospital operations. Babbie FR. Can Hosp 48:47-9, Jan 71
Work study in hospitals. Chapman GE, et al. Can Hosp 48:42-5, Jul 71
New drugs. Appropriate dose for minors. Parker RD. Clin Pediatr (Phila) 10:129-31, Mar 71
Large versus small, single versus multiple computers. Caceres CA. Comput Biomed Res 3:445-52, 5 Oct 70
Evaluation techniques for Medical Information Systems. Flagle CD. Comput Biomed Res 3:407-14, 5 Oct 70
Evaluation of a medical data system. Richart RH. Comput Biomed Res 3:415-25, 5 Oct 70
Institutions for the aged: theory, content, and methods for research. Lawton MP. Gerontologist 10:305-12, Winter 70
Quantitative methods for evaluating hospital design. A stochastic model for interdepartment traffic. Delon GL, et al. Health Serv Res 5:196-209, Fall 70
All systems will be "go" only if they are planned to "go". Goins CW, et al. Hosp Manage 110:22-7, Sep 70
Medical management support systems. Dunn RG, et al. Hosp Progr 52:44-51 passim, Sep 71
Systems management study: a training tool for an administrative residency program. Schumaker CJ Jr. Hosp Progr 52:58-62, Aug 71
Management engineering. Freidman SH. Hospitals 45:117-20, 1 Apr 71 (16 ref.)
The role of systems engineering in meeting the nursing challenge. Christman L. Int Nurs Rev 17:320-7, 1970
A structured approach to the use of physician extenders in well-child evaluations. Sims NH, et al. J Pediatr 79:151-63, Jul 71
System theoretic analysis of models: computer simulation of a living cell. Zeigler BP, et al. J Theor Biol 29:35-56, Oct 70
Systems analysis of pediatrician efficiency. Sims NH. Johns Hopkins Med J 128:30-40, Jan 71
Linear analysis of switching nets. Cull P. Kybernetik 8:31-9, Jan 71
Linearizing: a method for analysing and synthesizing nonlinear systems. Spekreijse H, et al. Kybernetik 7:22-31, Apr 70
A model of the condition of a nephrotic patient and the effect of drug therapy. Nagasaka M, et al. Med Biol Eng 8:271-9, May 70
Systems technology and retardation: applications to vocational habilitation. Budde JF, et al. Ment Retard 1:11-6, Apr 71
A model of a hospital's patient medical information system. Dixon RA. Methods Inf Med 9:88-97, Apr 70
Evaluation of an automated method for blood grouping in the military service: a system analysis. Forrester RH, et al. Milit Med 135:740-7, Sep 70
Task analysis and division of responsibility in physical therapy. Watts NT. Phys Ther 51:23-35, Jan 71
Systems studies of DDT transport. Harrison HL, et al. Science 170:503-8, 30 Oct 70
Met and unmet needs of the automated clinical laboratory. Gambino SR. Trans NY Acad Sci 32:816-20, Nov 70
Methods for measuring population change. A systems analysis summary. Linder FE. Vital Health Stat 2:1-18, Mar 69
[Analysis of thymus metabolic products with SMA-12 in experimental leukemia] Souadjian JV, et al. Union Med Can 100:755-6, Apr 71 (Fre)
[Systems analysis of optic-vestibular interaction in the perception of verticality] Bischof N, et al. Psychol Forsch 34:99-181, 1970 (Ger)
[Sociologic organization analysis in health care] Schneider K. Z Gesamte Hyg 17:430-5, Jun 71 (Ger)
[Estimation of future epidemiological trends of tuberculosis in Japan and the evaluation of tuberculosis control programmes by simulation analysis] Endo S, et al. Kekkaku 46:99-111, Apr 71 (Jap)
[System analysis for hospital automation] Nomura Y. Saishin Igaku 25:2589-600, Dec 70 (Jap)
[Application of network planning elements for planning and coordination of the work of the sanitary department of the municipal sanitary-epidemiologic stations] Klimenko ML. Gig Sanit 35:85-7, Dec 70 (Rus)
[Effectiveness of the use of technical facility systems in medicine] Pshenichnyi VP. Nov Med Priborostr 3:124-7, 1967 (Rus)
[Medical systems engineering] Smirnov IP. Nov Med Priborostr 1:3-7, 1967 (Rus)
[Analysis of the expenditure fo work time by regional pulmonary tuberculosis specialists and methodological approaches to the development of case load standards] Nisan GI, et al. Sov Zdravookhr 30:44-8, 1971 (Rus)
[Organization and methods of rationalization of the work of otorhinolaryngologists at urban polyclinics (contribution to the problem of the scientific organization of labor)] Kuznetsov VS. Vestn Otorinolaringol 32:3-7, Nov-Dec 70 (Rus)
[Current methods of programming to choose from among the alternatives in medical care projects] Sandoval IR. Bol Of Sanit Panam 70:139-47, Feb 71 (Spa)

SZONDI TEST see under PROJECTIVE TECHNICS (E1, F3)

TABARDILLO see under TYPHUS (C1)

TABES DORSALIS (C1, C10)

[Parapsoriasis en plaques (poikiloderma variety). Tabetic osteo-arthropathy] Blanc F, et al. Bull Soc Fr Dermatol Syphiligr 76:409-10, 1969 (Fre)
[Tabetic or presumed tabetic coxopathies] Ruelle M, et al. J Belge Rhumatol Med Phys 25:149-57, Jul-Aug 70 (Fre)

BLOOD

[Classical serologic reactions in the blood and cerebrospinal fluid changes in patients with tabes dosalis] Starzycki Z, et al. Pol Tyg Lek 25:1797-9, Nov 70 (Pol)

CEREBROSPINAL FLUID

[Classical serologic reactions in the blood and cerebrospinal fluid changes in patients with tabes dosalis] Starzycki Z, et al. Pol Tyg Lek 25:1797-9, Nov 70 (Pol)

COMPLICATIONS

[Radicular compression due to tabetic arthropathies of the spine] Serre H, et al. Rev Rhum Mal Osteoartic 37:525-33, Aug-Sep 70 (Fre)
[A case of mandibular fracture in a symphilitic (tabetic) patient] Herwerth M. Fogorv Sz 63:299-302, Oct 70 (Hun)
[Neurogenic osteoarthropathies (radiographic aspects)] Sabetta F, et al. Chir Organi Mov 59:29-56, Jun 70 (Ita)
[Tabetic arthropathies. Presentation of 26 cases] Falzi M. Fracastoro 63:888-911, Nov-Dec 70 (Ita)
[Clinical study and comparison of insanity of negation in various psychiatric diseases] Amendola E, et al. Rass Neuropsichiatr 22:164-8, Apr-Jun 68 (Ita)
[Case of progressive course of tabes dorsalis despite penicillin treatment and disappearance of changes in cerebrospinal fluid] Wiśniewski H, et al. Neurol Neurochir Pol 5:237-9, 1971 (Pol)

DIAGNOSIS

[Radicular compression due to tabetic arthropathies of the spine] Serre H, et al. Rev Rhum Mal Osteoartic 37:525-33, Aug-Sep 70 (Fre)
[Symptomatology of tabes dorsalis now and in the past] Jakimowicz W, et al. Pol Tyg Lek 25:1253-5, 17 Aug 70 (Pol)

DRUG THERAPY

[Case of progressive course of tabes dorsalis despite penicillin treatment and disappearance of changes in cerebrospinal fluid] Wiśniewski H, et al. Neurol Neurochir Pol 5:237-9, 1971 (Pol)

TABLETS (D13)

A disintegration test for evaluation of drug availability from tablets and capsules. Sandell E, et al. Acta Pharm Suec 7:559-66, Nov 70
Disintegration and dissolution studies on amylobarbitone tablets. Surén G. Acta Pharm Suec 7:483-90, Nov 70
Evaluation of the dissolution rate of drugs from solid pharmaceutical forms. Ceschel GC, et al. Farmaco [Prat] 25:700-16, Nov 70
The effect of polytetrafluoroethylene (Fluon) on the characteristics of compressed tablets. La Manna A, et al. Farmaco [Prat] 25:689-99, Nov 70
The compression properties of lactose. Alpar O, et al. J Pharm Pharmacol Suppl:1S-7S, Dec 70
Some observations of the penetration and disruption of tablets by water. Ganderton D, et al. J Pharm Pharmacol Suppl:95S+, Dec 70
Dissolution rate studies using the B.P. disintegration apparatus. Khalil SA, et al. J Pharm Pharmacol 23:125-30, Feb 71
The influence of compression and formulation on the hardness, disintegration, dissolution, absorption and excretion of sulphadimidine tablets. Oudtshoorn MC van, et al. J Pharm Pharmacol 23:583-6, Aug 71
Some observations on the ageing of sodium chloride compacts. Rees JE, et al. J Pharm Pharmacol Suppl:17S+, Dec 70
The effect of rate of loading on the strength of tablets. Rees JE, et al. J Pharm Pharmacol Suppl:64S+, Dec 70
The effect of particle shape on the variation of fill of a tabletting die. Ridgway K, et al. J Pharm Pharmacol Suppl:24S+, Dec 70
The surface hardness of tablets. Ridgway K, et al. J Pharm Pharmacol Suppl:70S+, Dec 70
An investigation of the pore structure of tablets of sucrose and lactose by mercury porosimetry. Selkirk AB, et al. J Pharm Pharmacol Suppl:79S+, Dec 70
The influence of wet and dry granulation methods on the pore structure of lactose tablets. Selkirk AB, et al. J Pharm Pharmacol Suppl:84S+, Dec 70
Interpretation of dissolution rate maxima: dependence upon tablet compression force. Smith HL, et al. J Pharm Pharmacol 23:536-8, Jul 71
Temperature changes occurring during the compression and recompression of solids. Travers DN, et al. J Pharm Pharmacol Suppl:11S+, Dec 70
In vivo evaluation of absorption and excretion of pentylenetetrazol-10-14C from sustained-release and nonsustained-release tablets. Ebert WR, et al. J Pharm Sci 59:1409-12, Oct 70
Assessment of compression characteristics of powders. Fell JT, et al. J Pharm Sci 60:1428-9, Sep 71
Characterization of tablet surfaces by their critical surface-tension values. Harder SW, et al. J Pharm Sci 59:1787-92, Dec 70
Lactose USP (beadlets) and dextrose (PAF 2011): two new agents for direct compression. Henderson NL, et al. J Pharm Sci 59:1336-40, Sep 70
Mechanism of action of starch as a tablet disintegrant IV: effect of medicaments and disintegrants on mean pore diameter and porosity. Lowenthal W, et al. J Pharm Sci 60:1325-32, Sep 71
The characterisation of the form of lactose in spray dried lactose. Fell JT, et al. Pharm Acta Helv 45:520-2, Aug 70
A study of propoxyphene and salicylate concentrations in human plasma following the administration of propoxyphene napsylate and aspirin. Nash JF, et al. Toxicol Appl Pharmacol 19:537-45, Jul 71
[Study of tablets. IV. Influence of the nature and proportion of some adjuvants on phenobarbital grain and tablet qualities] Clerc J, et al. Ann Pharm Fr 28:719-28, Dec 70 (Fre)
[Tablets. I. Influence of granulometry and the presence of ether bound non-ionic surfactants on the quality of grains and tablets of sulfanilamide] Duchêne D, et al. Ann Pharm Fr 27:309-22, Apr 69 (Fre)
[A pharmacist, head of a tablet-making department, faces his problems] Raymond JC. Farmaco [Prat] 26:73-94, Feb 71 (Fre)
[Influence of adjuvants on the speed of dissolution and stability of acetylsalicylic acid in tablets. I. Effects of some disintegrating agents] Cid E, et al. J Pharm Belg 26:38-48, Jan-Feb 71 (Fre)
[Coating of drugs with coloring agents] Klimmer OR. Dtsch Med Wochenschr 96:605, 2 Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Glycerin ester of higher fatty acids as pharmaceutic aids. 6. Release of an imbedded drug from tablets containing higher fatty acids and their esters] Chalabala M, et al. Pharmazie 25:535-8, Sep 70 (Ger)
[Studies on the effect of some pharmaceutic aids on the physical properties of tablets] Sümegi G, et al. Pharmazie 25:544-6, Sep 70 (Ger)
[Dynamic forces arising during pressing of drug powders. The instrumentation of the tablet pressing machine necessary for the measurements] Kovács B, et al. Acta Pharm Hung 40:223-5, 1970 (Hun)
[Method of manufacturing chronotabs-microtablets prepared for chronoactive capsules] Dallavalle V, et al. Farmaco [Prat] 25:440-5, Jul 70 (Ita)
[Wood flour as an auxiliary substance in tablet forming. II. Effects of wood flour on some properties of tablets] Kolarski K, et al. Acta Pol Pharm 27:477-86, 1970 (Pol)
[Wood flour as an auxiliary substance for tablet forming. 3. Studies on applicability of wood flour in tablet forming without granulation] Kolarski K, et al. Acta Pol Pharm 27:593-7, 1970 (Pol)
[Powdered wood as an aid in tablet preparation. I. Preparation and study of basic properties of powdered wood] Kolarski K, et al. Acta Pol Pharm 27:393-6, 1970 (Pol)
[Determination of salsoline hydrochloride in tablets together with dibazol and luminal] Sobiczewska M, et al. Acta Pol Pharm 27:375-8, 1970 (Pol)
[Hygroscopic properties of different drug preparations of erythromycin] Kostareva MG. Antibiotiki 16:312-5, 1971 (Rus)
[Effect of carbohydrate composition on the degradation, consistency and attrition of tablets] Bernatonis DA, et al. Farmatsiia 18:27-31, May-Jun 69 (Rus)
[Analysis of tabletted dosage forms by a titration in non-aqueous solvents] Bushkova MN, et al. Farmatsiia 20:84-5, Jan-Feb 71 (Rus)
[Determination of triterpene saponins in saparal powder and tablets] Mal'chukovskif LB, et al. Farmatsiia 20:68-71, Mar-Apr 71 (Rus)
[Development of rational technology and a method of quantitative determination of oxymethylantraquinones of rhubarb tablets] Minina SA, et al. Farmatsiia 20:19-24, Mar-Apr 71 (Rus)
[Study of the effectiveness of binding substances in the production of tablets] Borzunov EE, et al. Farm Zh 25:76-7, 1970 (Ukr)
[Sliding and lubricating means in the production of tablets] Borzunov EE, et al. Farm Zh 25:3-7, 1970 (59 ref.) (Ukr)
[Technology of the preparation of tablets] Shumakov IuS. Farm Zh 25:51-7, 1970 (Ukr)

ANALYSIS

Application of orthogonal functions to spectrophotometric analysis of weakly absorbing compounds in tablets. Abdine H, et al. J Pharm Pharmacol 23:444-7, Jun 71
[Radiometric analytic control of bromine and iodine content in tablets by x-ray fluorescence analysis] Havránek E, et al. Cesk Farm 20:128-32, 1971 (Cze)
[Influence of air pressure and air content on the dissolution rate of compressed tablets] Hüttenrauch R, et al. Pharmazie 25:699-700, Nov 70 (Ger)
[Mechanism of action of burst substances in tablets] Hüttenrauch R, et al. Pharmazie 26:293-8, May 71 (Ger)
[Dielectric determination of humidity content of pharmaceutical granules] Stampf G, et al. Acta Pharm Hung 41:123-8, 1971 (Hun)
[Spectrophotometric determination of sulfapyridazine and sulfadimethoxine in tablets] Chichiro VE, et al. Farmatsiia 19:43-5, Jul-Aug 70 (Rus)
[Determination of rutin in ascorutin tablets] Iurova NG. Farmatsiia 19:80-3, Nov-Dec 70 (Rus)
[Iodochlorometric method of quantitative determination of omephin in preparation and tablets] Kagan FE, et al. Farm Zh 25:21-3, 1970 (Ukr)
[Determination of chlortrianisene content in tablets] Volovel'skii LN, et al. Farm Zh 25:79-80, 1970 (Ukr)

STANDARDS

Characterization of the content uniformity plan. Sampson CB, et al. J Pharm Sci 59:1653-5, Nov 70
Objective visual evaluation of the relative content of major and minor defects in tablets and capsules. Stone JC. J Pharm Sci 59:1364, Sep 70

TABLETS, ENTERIC-COATED (D13)

Studies on a sustained release principle based on an inert plastic matrix. Sjögren J. Acta Pharm Suec 8:153-68, Jun 71
Potassium supplement tablets. Winterton W, et al. Med J Aust 1:292, 30 Jan 71
[Use of N-bromsuccinimide in the analysis of coated apressin tablets] Goriacheva NS, et al. Farmatsiia 17:69-72, May-Jun 68 (Rus)

ANALYSIS

[The effect of additives on the solubility of protective film coatings. Study of shellac films] Pandula E, et al. Acta Pharm Hung 41:58-62, Mar 71 (Hun)

STANDARDS

[Enteric coating] Delporte JP. Pharm Acta Helv 45:525-52, Sep 70 (Fre)

TABOO (F1, I)

Sex training and traditions in Arnhem Land. Money J, et al. Br J Med Psychol 43:383-99, Dec 70
A test of the set disruption interpretation of perceptual defense. Thompson AH, et al. Can J Psychol 25:222-7, Jun 71
The use of taboo words by psychiatric ward personnel. Gallahorn GE. Psychiatry 34:309-21, Aug 71

TACE see CHLOROTRIANISENE (D6)

TACHYCARDIA (C8)

Appraisal of multifocal atrial tachycardia. Chung EK. Br Heart J 33:500-4, Jul 71
Operative hypotension for intracranial vascular surgery using pacemaker-induced ventricular tachycardia. Rovit RL. J Neurosurg 35:51-8, Jul 71
[Tachycardia induced by auricular pacing. Its value in the diagnosis of coronary insufficiency] Touboul P, et al. Arch Mal Coeur 64:246-60, Feb 71 (Fre)
[Pheochromocytoma with "adrenaline shock"] Mornex R, et al. Rev Lyon Med 18:563-76, 15 Oct 69 (Fre)
[Chronic extrasinus tachycardia] Debiec B. Pediatr Pol 45:1395-402, Nov 70 (Pol)

CHEMICALLY INDUCED

Alarming reactions to ketamine in patients taking thyroid medication--treatment with propranolol. Kaplan JA, et al. Anesthesiology 35:229-30, Aug 71
Digitalis-induced bundle-branch ventricular tachycardia studied by electrode catheter recordings of the specialized conducting tissues of the dog. Damato AN, et al. Circ Res 28:16-22, Jan 71
Sites of impulse formation in digitalis-induced tachycardia. Scherlag BJ. Circ Res 28:717, Jun 71
Ventricular arrhythmias associated with the use of diazepam for cardioversion. Barrett JS, et al. JAMA 214:1323-4, 16 Nov 70
Bidirectional tachycardia. Chia BL, et al. Med J Aust 1:903-4, 24 Apr 71
Insomnia, tachycardia, and cola drinks. Silver W. Pediatrics 47:635, Mar 71
Myocardial hypertrophy resulting from low dosage isoproterenol administration in rats. Alderman EL, et al. Proc Soc Exp Biol Med 136:268-70, Jan 71
What's the rhythm? Lindsay AE. Rocky Mt Med J 68:40, Jan 71
[Bidirectional paroxysmal tachycardia] Pentimone F, et al. Boll Soc Ital Cardiol 14:53-60, 1969 (Ita)

CLASSIFICATION

[Atrial tachycardia of difficult nosological classification (paroxysmal atrial tachycardia with atrio-ventricular block or atrial flutter?)] Biasco G, et al. Boll Soc Ital Cardiol 14:782-9, Jun 70 (Ita)
[Nonparoxysmal and nodal and ventricular tachycardias] Sepulveda G, et al. Rev Med Chil 98:843-9, Dec 70 (Spa)

COMPLICATIONS

Myocardial infarction: "slow" ventricular tachycardia. Fisch C. J Indiana State Med Assoc 63:1002, Sep 70
Supraventricular tachycardia as cause of cyanotic syncopal attacks in tetralogy of Fallot. Young D, et al. N Engl J Med 284:1359-60, 17 Jun 71
Hyperkalemic periodic paralysis with cardiac arrhythmia. Lisak RP, et al. Neurology (Minneap) 20:386, Apr 70
[A particular cause of Adams-Stokes syncope: auricular rhythmic disorder] Burguet W, et al. Rev Med Liege 26:371-7, 1 Jun 71 (Fre)
[A rare case of ectopic atrial tachycardia with 2d degree atrio-ventricular block (type 2) and Luciani-Wenckebach phenomenon] Bellanca G, et al. Minerva Cardioangiol 17:806-9, Oct 69 (Ita)

DIAGNOSIS

Intrapartum clinical assessment of fetal distress. Hobel CJ. Am J Obstet Gynecol 110:336-42, 1 Jun 71
Analysis of heart block and arrhythmias by bundle of His electrograms. Smithen C, et al. Br Heart J 33:612, Jul 71
Aberrant ventricular conduction or ventricular tachycardia? Baird CL Jr. Chest 59:896-7, Jun 71
Marked sinus tachycardia and overdrive suppression. Maytin O, et al. Chest 58:528-30, Nov 70
Differential diagnosis of supraventricular and ventricular tachycardia. Marriott HJ. Geriatrics 25:91-101, Nov 70
Multifocal atrial tachycardia: a clinical correlation. Cohen MH, et al. J Am Osteopath Assoc 70:862-6, Mar 71
Myocardial infarction: ventricular tachycardia. Fisch C. J Indiana State Med Assoc 63:1403, Dec 70
Runaway pacemaker. Chung EK. Postgrad Med 50:154-5, Aug 71
[Ventricular tachycardia and spike twisting] Dessertenne F, et al. Ann Cardiol Angeiol (Paris) 20:343-51, May-Jun 71 (Fre)
[Junctional tachycardia with ventricular aberration and retrograde complete block (ventricular pseudotachycardia)] Slama R, et al. Arch Mal Coeur 64:691-700, May 71 (Fre)
[Auricular fibrillation and Wolff-Parkinson-White syndrome simulating ventricular tachycardia] Blanchot P, et al. Bord Med 4:1999-2002, Jun 71 (Fre)
[Auricular stimulation in ventricular tachycardia (a new diagnostic procedure of great value)] Touboul P, et al. Rev Lyon Med 19:693-9, 15 Nov 70 (Fre)
[Psychosomatic aspects of the hyperkinetic heart syndrome] Zander E, et al. Verh Dtsch Ges Inn Med 75:741-3, 1969 (Ger)
[Depth psychological aspects in the hyperkinetic heart syndrome (HHS). Preliminary report] Zander E. Z Psychosom Med Psychoanal 16:19-26, Jan-Mar 70 (Ger)
[Bidirectional tachycardia. Report of 2 cases] Silva JA da, et al. Hospital (Rio de J) 76:885-95, Sep 69 (Por)
[Several variants of isolated atrial tachycardia] Sumarokov AV, et al. Kardiologiia 10:52-7, Jun 70 (Rus)

DRUG THERAPY

Complete V-A block (without impairment of forward conduction) produced by propranolol. Maytin O, et al. Am J Cardiol 27:687-9, Jun 71
Repetitive tachycardia. Effects of exercise tests and amyl nitrite. Kariv I, et al. Br Heart J 33:115-9, Jan 71
Alprenolol and propranolol in hyperthyroid tachycardia. Turner P. Br J Pharmacol 40:146P+, Sep 70
Reversal of ouabain-induced arrhythmias in the dog by intravenous arginine hydrochloride. Alberti KG, et al. Cardiovasc Res 5:226-35, Apr 71
The influence of sympathetic nervous activity on the antiarrhythmic efficacy of diphenylhydantoin. Raines A, et al. Eur J Pharmacol 11:293-7, 1970
Effect of ganglion blocking agents on spontaneous & adrenaline-induced ventricular ectopic tachycardia following coronary occlusion. Gupta RS, et al. Indian J Exp Biol 8:198-200, Jul 70
Comparison of propranolol and LB 46 (prinodolol) on hyperthyroid tachycardia. Arbab AG, et al. Postgrad Med J 47:329-31, Jun 71
[Indications and limits of propranolol in rhythm disorders] Raynaud R, et al. Ann Cardiol Angeiol (Paris) 18:293-306, Oct-Dec 69 (Fre)
[Use of lignocain in the treatment of the hyperexcitability syndrome of recent myocardial infarct] Milhaud A, et al. Arch Mal Coeur 62:1474-84, Oct 69 (Fre)
[Bretylium tosylate (Darenthin) for cardiac rhythm disorders] Moisan A. Laval Med 41:1060, Oct 70 (Fre)
[Beta-receptor blockader LB 46 in the therapy of tachycardial arrhythmias] Novosel D. Med Monatsschr 24:466-71, Oct 70 (Ger)
[The treatment of tachycardial disturbances of the cardiac rhythm with a beta-adrenergic blocking agent (Visken)] Ley H, et al. Munch Med Wochenschr 112:2183-6, 27 Nov 70 (Ger)
[Electrolyte infusion as therapy in quinine poisoning] Martin W. Munch Med Wochenschr 112:286-91, 13 Feb 70 (Ger)
[Effect of the block of beta-adrenergic receptors in tachycardia due to thyreotoxicosis] De Petra V, et al. Cardiol Prat 20:487-90, Dec 69 (Ita)
[Chronic recurrent tachycardia in the light of our personal observations] Debiec B, et al. Pediatr Pol 45:1311-24, Nov 70 (Pol)
[Dependence of the inhibitory effect of Inderal on the increase in heart rate] Walecka E, et al. Wiad Lek 24:189-92, 1 Jul 71 (Pol)

ENZYMOLOGY

[Enzyme and isoenzyme changes in serum of patients with acute tachycardia] Ninger E, et al. Cas Lek Cesk 110:203-7, Feb 71 (Cze)

ETIOLOGY

Dissociation with ladder type of interference and incomplete A-V block showing the Wenckebach phenomenon: non-paroxysmal A-V nodal tachycardia. Louvros N, et al. Acta Cardiol (Brux) 26:83-7, 1971
Recurrent malignant hyperpyrexia during anesthesia. Katz D. Anesth Analg (Cleve) 49:225-30, Mar-Apr 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Exercise-induced pseudoarrhythmia. Gooch AS, et al. Ann Intern Med 75:435-6, Sep 71
Parasystolic ventricular tachycardia. Observations on differential stimulus threshold as possible mechanism for exit block. Roelandt J, et al. Br Heart J 33:505-12, Jul 71
Circus movement within the AV node as a basis for supraventricular tachycardia as shown by multiple microelectrode recording in the isolated rabbit heart. Janse MJ, et al. Circ Res 28:403-14, Apr 71
The role of free fatty acids in the production of ventricular arrhythmias after acute coronary artery occlusion. Kurien VA, et al. Eur J Clin Invest 1:225-41, Jap 71
Thyrotoxicosis and heart disease in a nine-year-old girl. Remission with corticosteroids. Lebenthal E, et al. Isr J Med Sci 7:674-8, May 71
Aberrant conduction due to retrograde activation of the right bundle branch. Parameswaran R, et al. J Electrocardiol 3:173-5, 1970
Tachycardia and bradycardia associated with particular forms of stimuli. Hunt TJ. J Physiol (Lond) 210:64P, Sep 70
Emergency aortocoronary bypass. Treatment of ventricular tachycardia due to ischemic heart disease. Nakhjavan FK, et al. JAMA 216:2138-40, 28 Jun 71
Left ventricular aneurysm of uncertain etiology with recurrent ventricular arrhythmias. Maloy WC, et al. N Engl J Med 285:662-3, 16 Sep 71
[Interauriculo-ventricular communication and disorders in auriculoventricular conduction, due to closed injuries of the thorax. Surgical treatment] Leclerc JL, et al. Acta Chir Belg 69:561-72, Oct 70 (Fre)
[3 cases of bronchiolar cancer with cardiopulmonary function studies] Sergysels R, et al. Acta Tubere Pneumol Belg 62:35-47, Jan-Feb 71 (Fre)
[Postural shock of the pregnant woman and acute distress of the fetus during labor. Recording of the sounds of the fetal heart] Grosieux P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:356-8, Jun-Aug 70 (Fre)
[Auricularization syndrome of the right ventricle and recurrent ventricular tachycardia] Slama R, et al. Coeur Med Interne 8:423-8, Jul 69 (Fre)
[Pheochromocytoma with isolated cardiac rhythm disorder] Mornex R, et al. Rev Lyon Med 18:553-61, 15 Oct 69 (Fre)
[Bidirectional tachycardia] Pálossy B. Wien Z Inn Med 52:107-15, 1971 (Ger)
[Unusual electrocardiographic aspects of hypocalcemia] Rossi S, et al. Acta Gerontol (Milano) 20:237-46, Oct-Dec 70 (Ita)
[Cardiovascular system and the climacteric. Clinical and electrocardiographic findings] Coppola A, et al. G Gerontol 17:333-9, Apr 69 (Ita)
[Ventricular tachycardia caused by a pacemaker] Martinoli E. Minerva Med 61:5420-4, 28 Nov 70 (Ita)
[Heart rhythm disturbances in myocarditis of unknown etiology] Jarz ebska D, et al. Pediatr Pol 46:771-8, Jun 71 (Pol)
[Tachyarrhythmias caused by acute myocardial infarct] Popescu PN, et al. Med Interna (Bucur) 22:1443-50, Dec 70 (Rum)
[Changses in cardiovascular activity in ischemic strokes] Aleksandrov LA. Zh Nevropatol Psikhiatr 70:992-4, 1970 (Rus)
[Cardiac changes in the course of acute intermittent porphyria] Trifunović S, et al. Srp Arh Celok Lek 98:783-6, May 70 (Ser)

METABOLISM

Congestive heart failure following chronic tachycardia. Coleman HN 3d, et al. Am Heart J 81:790-8, Jun 71

PHYSIOPATHOLOGY

Congestive heart failure following chronic tachycardia. Coleman HN 3d, et al. Am Heart J 81:790-8, Jun 71
Effects of tachycardia and ventricular filling pressure on stroke volume in the conscious dog. Bishop VS, et al. Am J Physiol 220:436-9, Feb 71
Repetitive tachycardia. Effects of exercise tests and amyl nitrite. Kariv I, et al. Br Heart J 33:115-9, Jan 71
Nonparoxysmal bidirectional rhythm. Proper MC, et al. Chest 59:333-5, Mar 71
Functional characteristics of the gating mechanism in teh canine A-V conducting system. Myerburg RJ, et al. Circ Res 28:136-47, Feb 71
Electrical stimulation of the heart in patients with Wolff-Parkinson-White syndrome, type A. Wellens HJ, et al. Circulation 43:99-114, Jan 71
Peripheral circulation in cardiac emergencies. Pferovský I, et al. Rev Czech Med 17:25-36, 1971
[Physiological variations of the venous return registered by transcutaneous route at the level of the internal jugular vein extra-respiratory variation] Kalmanson D, et al. Arch Mal Coeur 62:1386-403, Oct 69 (Fre)
[Permanent retrograde atrial conduction in the course of ventricular tachycardia] Nicolai P, et al. Arch Mal Coeur 63:1057-77, Aug 70 (Fre)
[The role of the adrenergic beta-receptors in emotional tachycardia; radiotelemetric studies on ski jumpers] Blatter K, et al. Schweiz Z Sportmed 17:131-49, 1969 (Ger)
[Frequent cardiocirculatory reaction forms in the ergometric exercise test] Kubicek F. Wien Z Inn Med 51:533-40, 1970 (Ger)

PREVENTION & CONTROL

Glucagon in prevention and abolition of ouabain-induced ventricular tachycardia in normokalemic and hypokalemic dogs. Einzig S, et al. Circ Res 29:88-95, Jul 71
Diphenylhydantoin in the prevention of recurring ventricular tachycardia. Stone N, et al. Circulation 43:420-7, Mar 71
Prophylactic lignocaine after myocardial infarction. Pentecost BL. Lancet 1:1073, 22 May 71

SURGERY

[Irreducible ventricular tachycardia: treatment by electrocoagulation after localization of the focus] Petitier H, et al. Arch Mal Coeur 64:331-51, Mar 71 (Fre)

THERAPY

Cardioversion of atrial tachycardia and flutter by atrial stimulation. Gulotta SJ, et al. Am J Cardiol 26:262-9, Sep 70
Conversion of atrial flutter or tachycardia to atrial fibrillation by rapid atrial stimulation. Chamberlain DA, et al. Br Heart J 33:613, Jul 71
Suppression of ventricular tachyarrhythmias by transvenous intracardiac pacing after acute myocardial infarction. Bennett MA, et al. Br Med J 4:468-70, 21 Nov 70
Cardiac pacing. J Iowa Med Soc 60:709-10, Oct 70
A practical approach to the management of tachycardias. Jubran F. J Med Liban 23:403-4, 1970
Chest thump in ventricular tachycardia. Lancet 1:488, 6 Mar 71
"Thump-version". Lown B, et al. N Engl J Med 283:1223-4, 26 Nov 70
Chest thump for reverting ventricular tachycardia. Pennington JE, et al. N Engl J Med 283:1192-5, 26 Nov 70
Cardiac arrhythmias. Dreifus LS. Pa Med 74:43, Jan 71
Supraventricular tachycardias. Treatment by electrical pacing of the right atrium and ventricle. Linhart JW, et al. Tex Med 67:74-9, Feb 71
[Irreductible ventricular tachycardia: treatment by electrocoagulation of the ectopic focus] Petitier H, et al. Presse Med 79:54, 9 Jan 71 (Fre)
[Indications and contraindications for the electrocardioversion] Simon H, et al. Dtsch Med Wochenschr 95:2527-30, 11 Dec 70 (Ger)
[Transitory atrial dissociation after cardioversion with electric shock] Bacca F, et al. Boll Soc Ital Cardiol 14:777-81, Jun 70 (Ita)
[Cardiac electrostimulation in therapy and prevention of ectopic tachycardia] Tuveri A, et al. Boll Soc Ital Cardiol 14:225-31, 1969 (Ita)
[Cardioversion in a case of ventricular tachycardia in a pregnant woman in the 8th month of pregnancy] Glec L, et al. Wiad Lek 23:1925-7, 1 Nov 70 (Pol)

TACHYCARDIA, PAROXYSMAL (C8)

Selected clinical features of paroxysmal tachycardia. A prospective study in 120 patients. Luria MH. Br Heart J 33:351-7, May 71
Paroxysmal atrial tachycardia in infants and children. Simcha A, et al. Lancet 1:832-4, 24 Apr 71
Paroxysmal tachycardia. Douglas AH. Med Trial Tech Q 17:214-20, Dec 70
[A case of paroxysmal tachycardia and delivery] Vokaer A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:149-54, Apr-May 70 (Fre)
[The stiff man syndrome] Serre H, et al. Cah Med 12:369-82, 15 Apr 71 (Fre)
[Bidirectional paroxysmal ventricular tachycardia] Dobozy E. Orv Hetil 111:1632-6, 12 Jul 70 (Hun)
[On a case of intermittent supraventricular tachycardia] Valora N, et al. Boll Soc Ital Cardiol 14:945-52, Jun 70 (Ita)
[Case of repetitive paroxysmal ventricular tachycardia] Vettori G, et al. Cardiol Prat 1:Suppl:146-55, 1967 (Ita)
[Paroxysmal tachycardia and ventricularfibrillation in patients with a regularly operating pacemaker] Nava A, et al. Folia Cardiol (Milano) 28:157-70, Jul-Aug 69 (Ita)
[Recurrent paroxysmal ventricular tachycardia] Scardi S, et al. Minerva Med 61:5879-83, 19 Dec 70 (Ita)
[Paroxysmal tachycardia and pregnancy] Smirnova LM. Akush Ginekol (Mosk) 46:20-2, May 70 (Rus)
[Paroxysmal tachycardia in a fetus] Ullubieva DM. Vopr Okhr Materin Det 16:78-80, Mar 71 (Rus)

CHEMICALLY INDUCED

Oral diphenylhydantoin sodium and cardiovascular toxicity. Blumsohn D, et al. S Afr Med J 44:1207-8, 24 Oct 70
[Premedication and paroxysmal auricular tachycardia] Lefebvre G. Union Med Can 97:1280-1, Sep 68 (Fre)
[Onset of atrial fibrillation and transitory nodal paroxysmal tachycardia with unsteady branch block simulating ventricular rhythm in an elderly subject treated with chlorpromazine] Ziliotto G. Cardiol Prat 1:Suppl:178-90, 1967 (Ita)

COMPLICATIONS

Gallstone obstruction of the duodenal bulb: Bouveret's syndrome. Dorton HE, et al. Am Surg 37:328-30, Jun 71
Stiff-man syndrome and encephalomyelitis. Report of a case. Kasperek S, et al. Arch Neurol 24:22-30, Jan 71
Production of increased right-to-left shunting by rapid heart rates in patients with tetralogy of Fallot. King SB, et al. Circulation 44:265-71, Aug 71
Paroxysmal atrial tachysystole with exit block.. Miller H. J Electrocardiol 4:80-2, 1971
Paroxysmal tachycardia and bundle-branch block: unsual response to carotid sinus massage. Lee YC. JAMA 215:1157, 15 Feb 71
Paroxysmal arrhythmias and migraine. Perera GA. JAMA 215:488, 18 Jan 71
[2-1 and 1-1 auricular flutter attack and Wolff-Parkinson-White syndrome] Picart N, et al. Acta Cardiol (Brux) 25:77-85, 1970 (Fre)
[Syncopal crisis in the course of attacks of paroxysmal tachyarrhythmia caused by total cardiac pauses and by ventricular fibrillation] Meyer P, et al. Arch Mal Coeur 64:289-95, Feb 71 (Fre)
[Auricular ECG after crises of supraventricular paroxysmal tachycardias] Voridis E, et al. Arch Mal Coeur 64:281-8, Feb 71 (Fre)
[Post-tachycardia syndrome] Legnani L, et al. Minerva Cardioangiol 18:487-95, Aug 70 (Ita)
[Case of WPW syndrome with repeated atypical paroxysmal tachycardia] Kato K, et al. Jap J Clin Med 29:91-6, Jan 71 (Jap)
[Paroxysmal tachycardia with Wolff-Parkinson-White syndrome in infants] Bellu C, et al. Pediatria (Bucur) 19:449-55, Sep-Oct 70 (Rum)

DIAGNOSIS

Intrauterine paroxysmal atrial tachycardia. Tuxen P, et al. Am J Obstet Gynecol 109:958-60, 15 Mar 71
Repetitive paroxysmal tachycardia in adults. Levine HD, et al. Cardiology 55:2-21, 1970
Paroxysmal tachycardia--the unknown disease. Divaris A. Cent Afr J Med 16:83-5, Apr 70
His bundle electrograms in patients with short P-R intervals, narrow QRS complexes, and paroxysmal tachycardias. Castellanos A Jr, et al. Circulation 43:667-78, May 71 .
Electrocardiographic diagnosis of the Wolff-Parkinson-White syndrome with abnormal QRS complexes and paroxysmal tachycardia. Taylor JS. J Arkansas Med Soc 67:297 passim, Feb 71
[Diagnosis of ventricular tachycardia with retrograde conduction by endocavitary stimulation] Puech P, et al. Arch Mal Coeur 64:789-800, Jun 71 (Fre)
[Chronic supraventricular tachycardia] Wagner G. Kinderaerztl Prax 39:265-8, Jun 71 (Ger)
[Clinical experiences with the continuous electrocardiogramm] Seipel L, et al. Z Kreislaufforsch 58:1250-9, Dec 69 (Ger)

DRUG THERAPY

Treatment of ventricular arrhythmias with bretylium tosylate. Krall JI, et al. Am Heart J 81:288, Feb 71
Use of massive doses of procaineamide in the treatment of ventricular tachycardia in infancy. Geiband H, et al. Pediatrics 48:110-5, Jul 71
Prevention of paroxysmal tachycaria of Wolff-Parkinson-White Syndrome with combined propranolol and quinidine therapy. Golden RL. Psychosomatics 11:585-6, Nov-Dec 70
[Paroxysmal ventricular tachycardia treated with massive doses of procainamide. Value of blood determinations] Benaim R, et al. Coeur Med Interne 9:435-43, Oct 70 (Fre)
[Paroxysmal tachycardia in infants and its treatment. Apropos of a case of recurrent paroxysmal tachycardia treated by propranolol] Gallez A, et al. Mal Cardiovasc 10:559-74, 1969 (Fre)
[Propranolol in the treatment of paroxysmal tachycardia occurring under general anesthesia in infants and children] Büky B. Anaesthesist 19:125-7, Apr 70 (44 ref.) (Ger)
[Treatment of tachycardiac arrhythmias and arterial hypertension with verapamil] Bender F. Arzneim Forsch 20:Suppl 9a:1310+, Sep 70 (Ger)
[Paroxysmal tachycardia induced by physical exertion. Effects of beta-adrenergic blockade] Bobba P, et al. Boll Soc Ital Cardiol 15:32-41, 1970 (Ita)
[Adverse effects of lidocaine as an anti-arrhythmic drug] Forfang K, et al. Tidsskr Nor Laegeforen 91:710-3, 10 Apr 71 (Nor)
[Treatment of supraventricular paroxysmal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tachycardias] Gavrilescu S, et al.
Med Interna (Bucur) 22:1415-28, Dec 70 (Rum)
[Oral action of N-propyl-ajmaline bitartrate. I. Preliminary note] Martínez-Muñoz A.
Rev Esp Cardiol 23:331-40, Jun 70 (Spa)

ETIOLOGY

Ventricular aneurysmectomy for the treatment of recurrent ventricular tachyarrhythmia. Thind GS, et al. Am J Cardiol 27:690-4, Jun 71
Paroxysmal supraventricular tachycardia. Langendorf R. Circulation 43:318-9, Feb 71
An in vitro model of paroxysmal supraventricular tachycardia. Wit AL, et al.
Circulation 43:862-75, Jun 71
Misplaced central venous pressure catheters. Schweizer RT, et al. Conn Med 34:802-4, Nov 70
Paroxysmal supraventricular tachycardia produced by routine transvenous pacing of the right ventricle. Weinstock M, et al.
Mt Sinai J Med NY 37:669-74, Nov-Dec 70
Idiopathic dystonia musculorum deformans and paroxysmal nodal tachycardia. Waal-Manning HJ, et al. NZ Med J 73:205-10, Apr 71
[Surgical treatment of severe attacks of paroxysmal tachycardia in Wolff-Parkinson-White syndrome and its limitations] Latour H, et al.
Arch Mal Coeur 63:977-89, Jul 70 (Fre)
[Mechanism of origin of ventricular tachycardia] Orv Hetil 111:1630-1, 12 Jul 70 (Hun)
[Case of helminthogenic paroxysmal tachycardia] Shamilan NP. Klin Med (Mosk) 49:138-40, Jan 71 (Rus)

OCCURRENCE

Paroxysmal atrial tachycardia in infants and children. Simcha A, et al. Lancet 1:832-3, 24 Apr 71
Paroxysmal tachycardia in infancy and childhood. Hanafiah A, et al.
Paediatr Indones 10:215-26, Sep-Oct 70
[Paroxysmal tachycardia in infants] Jończyk K, et al.
Pol Tyg Lek 26:307-9, 1 Mar 71 (Pol)
[Paroxysmal supraventricular tachycardia in children] Mijatović B, et al. Med Pregl 24:123-6, 1971 (Ser)

PHYSIOPATHOLOGY

Ventriculo-auricular retrograde conduction and reciprocal rhythm in paroxysmal ventricular tachycardia. Farinelli A, et al.
Acta Cardiol (Brux) 24:426-38, 1969
On the mechanism of paroxysmal tachycardias in neonates. Roelandt J, et al. Am Heart J 81:842-3, Jun 71
The mechanism of paroxysmal atrial tachycardia. Sustained reciprocation. Han J.
Am J Cardiol 26:329-30, Sep 70
Haemodynamic changes during paroxysmal tachycardia in a patient with Wolff-Parkinson-White syndrome. Jebavý P, et al. Br Heart J 33:157-60, Jan 71
Paroxysmal ventricular tachycardia showing fusion with reciprocal ventricular beats. Vermeulen A, et al.
Br Heart J 33:320-2, Mar 71
Site of reentry in paroxysmal supraventricular tachycardia in man. Goldreyer BN, et al.
Circulation 43:15-26, Jan 71
The essential role of atrioventricular conduction delay in the initiation of paroxysmal supraventricular tachycardia. Goldreyer BN, et al.
Circulation 43:679-87, May 71
[Hemodynamics and deformation of the hemodilution curve in paroxysmal tachycardia in a patient with WPW syndrome] Jebavý P, et al.
Cas Lek Cesk 109:965-9, 1970 (Cze)
[Recurrent paroxysmal tachycardia. Circular movement between the 2 branches of the bundle of His] Blanchot P. Arch Mal Coeur 64:611, Apr 71 (Fre)
[Parasystolic ventricular tachycardia] Touboul P, et al.
Arch Mal Coeur 63:1414-27, Oct 70 (Fre)
[Bidirectional ventricular tachycardia] Tiszai A.
Orv Hetil 111:1637-40, 12 Jul 70 (Hun)

SURGERY

Management of supraventricular tachycardia by atrial stimulation. Hunsaker MR, et al.
J Pediatr 77:454-6, Sep 70
[Surgical treatment of severe attacks of paroxysmal tachycardia in Wolff-Parkinson-White syndrome and its limitations] Latour H, et al.
Arch Mal Coeur 63:977-89, Jul 70 (Fre)

THERAPY

Repeated cardioversion during pregnancy. Treatment of refractory paroxysmal atrial tachycardia during 3 successive pregnancies. Schroeder JS, et al.
Am J Cardiol 27:445-6, Apr 71
Unusual treatment of paroxysmal tachycardia. Constantiniu I. Br Med J 1:347, 6 Feb 71
Paroxysmal atrioventricular junctional tachycardia. Treatment with carotid sinus nerve stimulation. Cantwell JD, et al. JAMA 216:1860-2, 14 Jun 71
Paroxysmal atrial tachycardia in infants and children. Lynfield J. Lancet 1:1235, 12 Jun 71
Paroxysmal atrial tachycardia in infants and children. Woody NC. Lancet 1:1073, 22 May 71
[Special indications for additional therapy with electric cardiac pacemakers] Meyer J.
Med Welt 43:1839-40, 24 Oct 70 (Ger)
[A new reversiol method of treatment for supra-ventricular paroxysmal tachycardia] Constantiniu I. Minerva Med 61:4306-7, 29 Sep 70 (Ita)
[Recurrent ventricular tachycardia] Storstein O.
Nord Med 84:1607, 10 Dec 70 (Nor)
[Case of multiple occurrence of clinical death against a background of ventricular fibrillation and ventricular tachycardia] Ganelina IE, et al.
Klin Med (Mosk) 49:118-21, Jan 71 (Rus)
[Electroimpulse therapy of paroxysmal tachycardia in a patient with myotonia] Syrkin AL, et al.
Klin Med (Mosk) 49:123-4, Jan 71 (Rus)

TACHYPHYLAXIS (G1)

Tachyphylactic responses exhibited by phosphorylase 'a' activity levels in rat uteri. Leonard SL.
Am J Physiol 220:1846-51, Jun 71
Mode of action of N-methyl beta-phenylethylamine in the goat. Flournoy R, et al.
Arch Int Pharmacodyn Ther 187:66-74, Sep 70
Hyposensitivity to drugs induced by morphine and some related substances in the cat. Contreras E, et al.
Br J Pharmacol 39:789-97, Aug 70
Tachyphylaxis to angiotensin in man. Lumbers ER, et al. Cardiovasc Res 4:312-8, Jul 70
Some observations on the mechanism of tachyphlaxis to ephedrine. Rajapurkar MV, et al.
Indian J Med Res 57:1540-51, Aug 69
Angiotensin tachyphylaxis and the uptake of (14 C)angiotensin in guinea-pig aortic strips. LeMorvan P, et al. J Pharm Pharmacol 23:640-1, Aug 71
Effects of various agonists on the tachyphylactic response of the isolated rat uterus to prostaglandin E1. Eliasson R, et al. Life Sci [I] 9:925-30, 15 Aug 70
[Tyramine tachyphylaxis; its recovery and interaction with enzyme inhibitors in arterial pressure and cat nictitating membrane] Lorenzo Fernandez P, et al.
Arch Inst Farmacol Exp (Madr) 21:11-42, 1969 (Spa)

DRUG EFFECTS

Acetylcholine tachyphylaxis in isolated rabbit atrium and its relation to norepinephrine stores. MacFarlane MD, et al. J Pharm Sci 59:1252-5, Sep 70
[Tachyphylaxis and enzymatic induction: effects produced in the rat by repeated injections of phenobarbital or ephedrine on the tachyphylactic action of ephedrine] Valette G, et al.
C R Soc Biol (Paris) 164:1237-40, 1970 (Fre)

TAENIA (B1)

ANALYSIS

Histochemical differentiation of mucopolysaccharides in cyst and body-wall of cysticercus of Taenia taeniaeformis. Varute AT, et al.
Ann Histochim 15:311-9, Oct-Dec 70

ANATOMY & HISTOLOGY

Organic matrix of cestode calcareous corpuscles. Von Brand T, et al. Exp Parasitol 28:566-76, Dec 70
Electron microscope observations on the egg of Taenia taeniaeformis. Nieland ML.
J Parasitol 54:957-69, Oct 68

CYTOLOGY

The microscopical anatomy of the bladder wall of Cysticercus bovis at the electron microscope level. Siais J, et al. Z Parasitenkd 36:304-20, 24 Jun 71

DRUG EFFECTS

Taenia hydatigena. II. Evagination of cysticerci and establishment in dogs. Featherston DW.
Exp Parasitol 29:242-9, Apr 71
[Pigmentary pseudoretinopathy acquired by mother and child in the 2nd month of pregnancy by poisoning with chloroform extract of male fern] Bonnet M, et al.
Bull Soc Ophtalmol Fr 69:583-6, May-Jun 69 (Fre)
[The period of dispensary follow-up in Taeniarchynchus saginatus infestation] Frolova AA.
Med Parazitol (Mosk) 39:108-9, Jan-Feb 70 (Rus)

GROWTH & DEVELOPMENT

Asexual multiplication in Cysticercus pisiformis (Cestoda). Opuni EK. J Helminthol 44:321-2, 1970
Histogenesis of the rostellar hooks of Taenia crassiceps (Zeder, 1800) (Cestoda). Mount PM.
J Parasitol 56:947-61, Oct 70
In vitro cultivation of Echinococcus granulosus, Taenia hydatigena, T. ovis, T. pisiformis and T. serialis from oncosphere to cystic larva. Heath DD, et al.
Parasitology 61:329-43, Dec 70
Further studies on the hook development of Taenia crassiceps (Zeder, 1800). Bilqees FM.
Riv Parassitol 31:47-52, Mar 70
[Test of the viability of embryonated eggs of Taeniarynchus saginatus] Burkhardt J, et al.
Monatsh Vet Med 25:311-3, 15 Apr 70 (Ger)

IMMUNOLOGY

Taenia crassiceps: antigenic comparison of two larval strains. Fox LL, et al. Exp Parasitol 29:194-6, Apr 71
The effect of antibody on the permeability control of larval Taenia taeniaeformis. Murrell KD.
J Parasitol 57:875-80, Aug 71
Immunity produced against Taenia ovis and T. taeniaeformis infection in lambs and rats following in vivo growth of their larvae in filtration membrane diffusion chambers. Rickard MD, et al.
J Parasitol 57:571-5, Jun 71

ISOLATION & PURIFICATION

Taenia crassiceps (Zeder, 1800) in Metropolitan Winnipeg, Manitoba. Lubinsky G, et al.
Can J Zool 48:1144-5, Sep 70

METABOLISM

Comparative metabolism of acetate in the taeniid tapeworms Echinococcus granulosus, E. multilocularis and Taenia hydatigena. Frayha GJ.
Comp Biochem Physiol 39:167-70, 15 May 71
Respiration studies and glucose absorption kinetics of Taenia crassiceps larvae. Murrell KD.
J Parasitol 54:1147-50, Dec 68
The uptake of 14C-Chlorella protein by larval Taenia crassiceps (Cestoda). Esch GW, et al.
Parasitology 62:27-9, Feb 71

TAENIA INFECTIONS see TAENIASIS (C1)

TAENIARHYNCHUS see under TAENIA (B1)

TAENIASIS (C1)

see also related
CYSTICERCOSIS (C1)

Experimental infection of Cysticercus fasciolaris in laboratory animals. Singh BB, et al.
Ann Parasitol Hum Comp 46:11-4, Jan-Feb 71

COMPLICATIONS

[Uveitis of undetermined etiolog and parasitic appendicitis caused by Taenia saginata] Rousseau C, et al. Ann Ocul (Paris) 2:741-9, Jul 69
Interference of Cysticercus fasciolaris in the formation of hepatic lesions in rats, induced by p-dimethylaminoazobenzene (DAB). Altman RF, et al.
Arch Geschwulstforsch 33:113-8, 1969
[Acute enterolymphitis and hepatic infestation with taenia pisiformis] Caroli J, et al.
Rev Med Chir Mal Foie 45:257-60, 1970 (Fre)

DIAGNOSIS

[Immunodiagnosis of taeniarhynchosis] Sokolovskaia OM. Med Parazitol (Mosk) 38:321-5, May-Jun 69 (Rus)

DRUG THERAPY

[Possible teratogenic influence of taenifuges with tin base (discussion of 3 cases of ectromelia)] Notter A, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:319-20, 1968 (Fre)
[Effect of 4 antibiotics of the oligosaccharide group on Taenia saginata] Garin JP, et al.
Lyon Med 225:123-9, 24 Jan 71 (Fre)
[Case of tapeworm infection treated by paromomycin and observations on its mode of action] Kanazawa Y.
Jap J Antibiot 24:143-5, Jun 71 (Jap)
[Treatment of Taenia saginata and Taenia solium with atebrin administered through a duodenal tube] Berlowski J. Wiad Lek 23:1473-5, 1 Sep 70 (Pol)
[The period of dispensary follow-up in Taeniarchynchus saginatus infestation] Frolova AA.
Med Parazitol (Mosk) 39:108-9, Jan-Feb 70 (Rus)

OCCURRENCE

[Spread of Taeniarhynchus saginatus outbreak in the population of GDR with special consideration of the Karl-Marx-City district] Müller KH.
Dtsch Gesundheitsw 25:1563-9, 13 Aug 70 (Ger)
[Invasion of the City of Poznań by Taeniarhynchus saginatus in the years 1954-1968] Kalawski K, et al.
Przegl Epidemiol 24:377-80, 1970 (Pol)
[Infection of 3 to 7-year-old children with intestinal worms in 3 towns of the Dąbrowa Tarnowska District

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(Cracow Province)] Bańbula E.
Wiad Parazytol 17:181-4, 1971 (Pol)
[Forecasting morbidity from the principal helminthiases. I] Sergiev PG, et al.
Med Parazitol (Mosk) 40:96-103, Jan-Feb 71 (Rus)

PREVENTION & CONTROL

A field trial with bunamidine hydrochloride as an anthelmintic in the eradication of Echinococcus granulosus, Taenia hydatigena and Taenia ovis in New Zealand. Cook BR. NZ Vet J 18:152-5, Aug 70
[Situation with taeniarhynchosis, hookworm diseases and ascaridiasis in transcaucasian republics and measures necessary for eradication and sharp reduction of their incidence] Popov VF, et al.
Med Parazitol (Mosk) 39:180-8, Mar-Apr 70 (Rus)

VETERINARY

The epidemiology of Echinococcus infection in Great Britain. 3. Echinococcus granulosus and cestodes of the genus Taenia in farm dogs in England in the Lake District, northern Pennines and East Anglia. Cook BR, et al. Ann Trop Med Parasitol 65:71-9, Mar 71
Taenia ovis in a cat. Arundel JH.
Aust Vet J 46:515-6, Oct 70
The penetration of oncospheres of Taenia pisiformis into the intestine of the rabbit. Barker IK.
Can J Zool 48:1329-32, Nov 70
Taenia macrocystis (Diesing, 1850), its occurrence in Eastern Canada and Maine, U.S.A., and its life cycle in wild felines (Lynx rufus and L. canadensis) and hares (Lepus americanus). Bursey CC, et al.
Can J Zool 48:1287-93, Nov 70
Efficacy of niclosamide for the removal of tapeworms (Dipylidium caninum and Taenia pisiformis) from dogs. Poole JB, et al.
J Am Vet Med Assoc 159:78-80, 1 Jul 71
Immunity produced against Taenia ovis and T. taeniaeformis infection in lambs and rats following in vivo growth of their larvae in filtration membrane diffusion chambers. Rickard MD, et al.
J Parasitol 57:571-5, Jun 71
Successful vaccination of lambs against infection with Taenia ovis using antigens produced during in vitro cultivation of the larval stages. Rickard MD, et al.
Res Vet Sci 12:401-2, Jul 71

TAENIORHYNCUS see under MOSQUITOES (B1)

TAIL (A13)

Further observations on tail regeneration in Anolis carolinensis (Iguanidae, Lacertilia). Maderson PF, et al. J Exp Zool 177:185-9, Jun 71
Necrosis of the tail in bovine animals. George PO, et al.
Vet Rec 87:231-3, 22 Aug 70
A case of human pseudo-tail. Odeku EL, et al.
West Afr Med J 19:115-6, Aug 70
[Value of tail-tip palpation in the diagnosis of subclinical hypophosphorosis in cattle] Jazbec I.
Monatsh Vet Med 25:107-9, 1 Feb 70 (Ger)
[Effect of tadpole metabolites on regeneration rate] Shvarts SS, et al.
Dokl Akad Nauk SSSR 195:1207-10, 1970 (Rus)

ANATOMY & HISTOLOGY

Selection for body weight in the mouse at three temperatures and the correlated response in tail length. Baker RL, et al. Genetics 65:505-23, Jul 70
[Morphology of the caudal neurosecretory system of teleosts exemplified by Salmo salar L] Saenko II.
Dokl Akad Nauk SSSR 188:1193-6, 11 Oct 69 (Rus)

BLOOD SUPPLY

Leukocytosis in the mouse induced by serial blood sampling from the tail. Jyväsjärvi S, et al.
Nature (Lond) 230:122-3, 12 Mar 71

DRUG EFFECTS

The effect of 5-fluorouracil on the development of tail vertebrae of mice in organ culture. Yoshihara H.
Teratology 1:291-7, Aug 68
[Thalidomide and morphogenetic processes in adults. Influence of thalidomide on regeneration of the tail of Triturus cristatus] Rinaldi L.
Boll Soc Ital Biol Sper 45:1268-72, 15 Oct 69 (Ita)
[Effect of sarcolysine and cyclophosphane on the resorption of tadpoles tail muscles in metamorphosis] Iushkov SF, et al.
Farmakol Toksikol 33:723-6, 1970 (Rus)

ENZYMOLOGY

Dual cytologic localization of beta-glucuronidase in some organ-tissues of anuran tadpoles in metamorphosis. Varute AT.
Acta Histochem (Jena) 38:227-40, 1970

GROWTH & DEVELOPMENT

The effect of environmental temperature on the growth of vertebrae in the tail of the mouse. Noel JF, et al. J Embryol Exp Morphol 24:405-10, Sep 70

INNERVATION

Parallel spindle systems in the small muscles of the rat tail. Thompson J. J Physiol (Lond) 211:781-99, Dec 70

METABOLISM

Studies on the uptake of 125-I-triiodo-L-thyronine and 14 C-L-thyroxine by Mexican axoloti tissues. Prahlad KV, et al. J Exp Zool 176:129-35, Feb 71

PATHOLOGY

[Effect of sarcolysine and cyclophosphane on the resorption of tadpoles tail muscles in metamorphosis] Iushkov SF, et al.
Farmakol Toksikol 33:723-6, 1970 (Rus)

PHYSIOLOGY

Limulus visual threshold obtained from light-elicited unconditioned tail movements. Wasserman GS, et al.
J Comp Physiol Psychol 73:111-6, Oct 70
The strategy of tail-autotomy in the ground skink, Lygosoma laterale. Clark DR Jr.
J Exp Zool 176:295-302, Mar 71

PHYSIOPATHOLOGY

[Ligated rat tail as a new edema model] Erker E, et al.
Arzneim Forsch 20:1918-20, Dec 70 (Ger)

TAKAYASU SYNDROME see under AORTIC ARCH SYNDROMES (C8)

TALATROL see TROMETHAMINE (D13)

TALC (D1, D13)

Evaluation of talc pleural symphysis in management of malignant pleural effusion. Shedbalkar AR, et al.
J Thorac Cardiovasc Surg 61:492-7, Mar 71
[Talcosis] Fristedt DB, et al.
Nord Hyg Tidskr 49:66-71, 1968 (Swe)

ADVERSE EFFECTS

Navel ills. Br Med J 1:248, 30 Jan 71
Cor pulmonale secondary to talc granulomata in the lungs of a drug addict. Bainborough AR, et al.
Can Med Assoc J 103:1297-8, 5 Dec 70
Talc pneumoconiosis. el-Ghawabi SH, et al.
J Egypt Med Assoc 53:330-40, 1970
Talc pneumoconiosis. Callahan RL.
J Maine Med Assoc 62:149, Jun 71
Talc and asbestos contaminant of rice. Merliss RR.
JAMA 216:2144, 28 Jun 71
[Accidental inhalation of talc in an infant. Apropos of 2 cases] Neimann N, et al.
Pediatrie 26:81-4, Jan-Feb 71 (Fre)
[A classic cause, still not widely known, of postoperative peritoneal adhesions: talc] Sow M.
Rev Fr Gynecol Obstet 65:659-60, Nov 70 (Fre)
[5 cases of talc aspiration] Paoli F, et al.
Riv Clin Pediatr 81:1129, Nov-Dec 68 (Ita)
[Importance of reactivity of the organism in the process of adhesion formation in experimental talcosis of the abdominal cavity] Minasian AM, et al.
Eksp Khir Anesteziol 15:48-50, Mar-Apr 70 (Rus)

ANALYSIS

Talc pneumoconiosis. Significance of sublight microscopic mineral particles. Miller A, et al.
Am J Med 50:395-402, Mar 71

ISOLATION & PURIFICATION

Talc and carcinoma of the ovary and cervix. Henderson WJ, et al.
J Obstet Gynaecol Br Commonw 78:266-72, Mar 71

POISONING

[5 cases of inhalation of talc] Paoli F, et al.
Minerva Pediatr 22:1772-4, 1 Sep 70 (Ita)

TALENT see under APTITUDE (F1)

TALFAN DISEASE see ENCEPHALOMYELITIS, ENZOOTIC PORCINE (C1, C15)

TALIPES see CLUBFOOT (C16, C17)

TALUS (A2)

Two rare cases ofchonrblastoma, lolized in rib and is.
Tanghe W, et al. Acta Orthop Belg 35:996-1009, 1969
Giant cell tumor of the talus. A report of two cases.
Pandey S. Int Surg 55:179-82, Mar 71
Hookworm lesion of bone. O'Connor RL, et al.
J Bone Joint Surg [Am] 53:362-4, Mar 71
Ewing's tumor of the talus. A case report. Pandey S.
J Bone Joint Surg [Am] 52:1672-3, Dec 70
[Sudeck's osteodystrophy of the talus consecutive to a fracture of the lateral tubercle] Queloz J, et al.
J Radiol Electrol Med Nucl 51:763-6, Dec 70 (Fre)
[Unusual osseous manifestations of lymphoblastic sarcoma of the cavum] Reboul J, et al.
J Radiol Electrol Med Nucl 50:326-8, May 69 (Fre)
[Osteoid osteoma and corticalis osteoid] Weichert C.
Beitr Orthop Traumatol 17:381-6, 1970 (Ger)
[Bilateral aseptic talus necrosis] Zdhorská T.
Z Orthop 107:369-72, Jan 70 (Ger)
[Subastragalar dislocation. (Clinico-radiographic considerations on the remote results)] Colavita S, et al. Arch Putti Chir Organi Mov 25:162-72, 1970 (Ita)

ABNORMALITIES

Incidence of os tibiale externum in clinical pes planus.
Wood WA, et al. J Am Podiatry Assoc 60:276-9, Jul 70
The pathological anatomy of convex pes valgus.
Drennan JC, et al.
J Bone Joint Surg [Br] 53:455-61, Aug 71
[Congenital steep talus. (Congenital convex pes valgus, congenital vertical talus] Slavík M, et al.
Acta Chir Orthop Traumatol Cech 37:367-73, Dec 70 (Cze)
[Talus verticalus] Harbo K.
Nord Med 85:378, 25 Mar 71 (Nor)

ANATOMY & HISTOLOGY

[Variations in the talus configuration visible on x-ray pictures. Their significance for the traumatologist and orthopedic surgeon] Podhradský J.
Acta Chir Orthop Traumatol Cech 38:102-5, 1971 (Cze)

INJURIES

Fractures of the neck of the talus. Hawkins LG.
J Bone Joint Surg [Am] 52:991-1002, Jul 70
Fracture of the dome of the talus associated with a fracture of the os calcis of the opposite side.
Schweitzer G. S Afr Med J 45:295, 13 Mar 71
An unusual fracture-dislocation of the talus. Richard DR. West Afr Med J 19:130-3, Aug 70
[Remote results of 2 cases of astragalus prosthesis with plastic pieces] Queinnec A, et al.
Chirurgie 97:193-6, 17 Feb 71 (Fre)
[Displaced fractures of the neck or of the body of the talus. Value of screwing by posterior surgical approach] Trillat A, et al.
Rev Chir Orthop 56:529-36, Sep 70 (Fre)
[Experiences in the surgical treatment of old injuries in the region of the ankle joint] Ziller R, et al.
Zentralbl Chir 95:772-8, 20 Jun 70 (Ger)
[Fracture-dislocation of the astragalus associated with fracture of the tibial malleolus] Consolo C, et al.
Minerva Ortop 21:437-40, Jun-Jul 70 (Ita)

RADIOGRAPHY

[Variations in the talus configuration visible on x-ray pictures. Their significance for the traumatologist and orthopedic surgeon] Podhradský J.
Acta Chir Orthop Traumatol Cech 38:102-5, 1971 (Cze)
[Rare form of the 1st stage in total luxation of the talus] Machan FG, et al.
Zentralbl Chir 96:919-21, 3 Jul 71 (Ger)
[Clinical and radiologic aspects of osteoid osteoma. 2 cases of unusual localization] Trotti MB, et al.
Arch Sci Med (Torino) 126:1019-24, Nov 69 (Ita)
[On the protrusion of the astragalus in Köhler's disease of the scaphoid] Columbaro G, et al.
Quad Radiol 34:109-20, Mar-Apr 69 (Ita)

SURGERY

Talectomy for equinovarus deformity in arthrogryposis and spina bifida. Menelaus MB.
J Bone Joint Surg [Br] 53:468-73, Aug 71
[Post-traumatic necrosis of the astragalus. Proposition for a pediculated graft technic using the foot muscle in a single curative and above all preventive design] Creyssel J, et al. Lyon Chir 65:358-61, May-Jun 69 (Fre)
[Pantalar arthrodesis] Suzuki R.
Orthop Surg (Tokyo) 22:515-24, Jul 71 (Jap)

TALWIN see PENTAZOCINE (D6)

TAMARIND (B6)

Observation on the bacteriostatic property of extract of Tamarindus indica leaf (TIL). 2. Choudhury BP, et al. J All India Ophthalmol Soc 18:52-5, Jun 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[A case of occupational allergy to tamarind flour] Cirla AM, et al. Med Lav 61:447-51, Aug-Sep 70 (Ita)

TAMPONS (E5)

Laminaria tent for gradual and safe cervical dilatation. Manabe Y. Am J Obstet Gynecol 110:743-5, 1 Jul 71
Method of controlling epistaxis. Wadsworth P. Br Med J 1:506, 27 Feb 71
A non-operative method of controlling stress incontinence. Simmons SC. Proc R Soc Med 63:1049, Oct 70
[The "nosemuff"] Müller-Weitz E. HNO 18:348-9, Nov 70 (Ger)
[Tamponade-free dressing after nose surgery] Fritz K. Monatsschr Ohrenheilkd Laryngorhinol 105:21-4, 1971 (Ger)
[New method of stopping the bleeding in cases of hemorrhage arising in retropubic space and in bladder's neck] Szkodny A, et al. Pol Przegl Chir 43:Suppl 2a:351+, Feb 71 (Pol)
[Rectal drug forms] Azhgikhin IS. Farmatsiia 17:32-7, May-Jun 68 (103 ref.) (Rus)

TANDEARIL see under OXYPHENBUTAZONE (D6)

TANNIC ACID see under TANNINS (D11)

TANNING (J)

[The standards used for importation of pickled skins in relation to article 56, last paragraph, of the veterinary inspector regulation of 8 February 1954, No. 320] D'Esposito L. Acta Med Vet (Napoli) 15:561-9, Nov-Dec 69 (Ita)
[Poisonings in the leather industry] Brusadelli S. Policlinico [Prat] 78:601-2, 15 Jul 71 (Ita)

TANNINS (D11)

A direct spectrophotometric method for the assay of tannase. Parmentier F. Arch Int Physiol Biochim 78:131-3, Feb 70
Studies on acute Marek's disease detection of antibodies with a tannic acid indirect hemagglutination test. Eidson CS. Proc US Anim Health Assoc 73:475-83, 1969
[Yeasts in plant tanning liquors. I. Taxonomic discussion] Jacob FH. Ann Inst Pasteur (Paris) 120:649-64, May 71 (Fre)
[Use of tannin for the examination of the digestive process of casein and fibrinogen by plasmin and for the preparation of the polypeptide end products of proteolysis] Mejbaum-Katzenellenbogen, et al. Acta Physiol Pol 21:235-42, Mar-Apr 70 (Pol)
[The role of catechines in the stabilization of red plant pigments] Bokuchava MA, et al. Izv Akad Nauk SSSR [Biol] 1:124-6, Jan-Feb 70 (Rus)

ADVERSE EFFECTS

Contact dermatitis to East Indian leather. Minkin W, et al. Arch Dermatol 103:522-3, May 71

ANALYSIS

[A new colored reaction applicable to the photocolorimetric determination of tannic acid] Willemot J, et al. Ann Pharm Fr 28:391-5, May 70 (Fre)
[Determination of tannin in leaves of bilberry (Vaccinium myrtillus L.)] Schönert J, et al. Pharmazie 25:775-6, Dec 70 (Ger)
[Phytochemical study of Cirsium arvense L. I] Sheliuto VL, et al. Farm Zh 25:60-4, 1970 (Ukr)

CHEMICAL SYNTHESIS

[Preparation of catechin-dimers by acid-condensation] Ahn BZ, et al. Arch Pharm (Weinheim) 303:720-4, Sep 70 (Ger)

ISOLATION & PURIFICATION

The occurrence of (+)afzelechin in Saxifraga ligulata Wall. Tucci AP, et al. Ann Ist Super Sanita 5:555-6, 1969
Identification of polymeric 5,7,3',4'-tetrahydroxyflavan-3,4-diol from tannin extract of powdered cassia bark, Saigon, cinnamon USP, Cinnamomum loureirii Nees, family Lauraceae. Buchalter L. J Pharm Sci 60:144-5, Jan 71
Screening of herbarium specimens of native plants from the families Amaranthaceae, Dipsacaceae and Orobanchaceae for alkaloids, saponins and tannins. Ayniian GH, et al. Planta Med 19:306-10, Apr 71
The galliotannins of Rhus coriaria and Mangifera indica. el-Sissi H, et al. Planta Med 19:342-51, Apr 71
[Pharmacobotanical study of the genus Agrimonia. II. Evaluation of tannin in European Agrimonias] Bučkovd A, et al. Cesk Farm 20:136-40, 1971 (Cze)

PHARMACODYNAMICS

Resistance of extracellular yeast invertase and other glycoproteins to denaturation by tannins. Strumeyer DH, et al. Biochem J 118:899-900, Aug 70
Aggregation and electrophoretic mobility studies on dissociated cells. I. Effects of p-benzoquinone and tannic acid. Kemp RB, et al. Exp Cell Res 63:293-300, Dec 70
[Influence of a preparation of a chestnut-tree tannin preparation on the metabolism of liposoluble vitamins] Quard S, et al. Ann Nutr Aliment 24:177-84, 1970 (Fre)
[Effect of tannin on the lipogenic effect of ethanol in rat liver] Mitjavila S, et al. Food Cosmet Toxicol 6:39-44, Jun 68 (Fre)
[Passive hemagglutination with tannin treated erythrocytes] Izbický A. Z Immunitaetsforsch Allerg Klin Immunol 140:282-97, 1970 (Ger)
[Antimicrobial activity of galascorbin] Voronkov VE, et al. Pediatr Akush Ginekol 2:28, 1971 (Ukr)

POISONING

[Activity of the reticuloendothelial system during acute tannic acid poisoning in the rat] Gaillard D, et al. C R Acad Sci [D] (Paris) 272:1314-7, 1 Mar 71 (Fre)

THERAPEUTIC USE

Berberine tannate in acute diarrhoea. Sharma R, et al. Indian Pediatr 7:496-501, Sep 70
Borotannic complex in athlete's foot. Simmonds AJ. Practitioner 206:265-70, Feb 71

TOXICITY

Toxicity of tannic acid and its metabolites for chickens. Rayudu GV, et al. Poult Sci 49:957-60, Jul 70
Effect of various agents in alleviating the toxicity of tannic acid for chickens. Rayudu GV, et al. Poult Sci 49:1323-6, Sep 70
[Tannin in irrigography (preliminary report on the experimental work)] Novak J, et al. God Zb Med Fak Skopje 16:225-33, 1970 (Cro)

TANTALUM (D1)

Determination of in vivo persistence of tantalum dust following bronchography using reactor-activated tantalum and total body counting. Upham T, et al. Am J Roentgenol Radium Ther Nucl Med 111:690-4, Apr 71
Inhalation bronchography. Zamel N. Chest 59:471, Apr 71
Specific gamma-ray constant and gamma spectrum of 182Ta. Ninković M, et al. Health Phys 20:215-9, Feb 71
Anodic insulated tantalum oxide electrocardiograph electrodes. Lagow CH, et al. IEEE Trans Biomed Eng 18:162-4, Mar 71
Roentgenographic study of the human trachea with powdered tantalum. Hinchcliffe WA, et al. Radiology 97:327-30, Nov 70
[An original method of surgical treatment of traumatic facial paralysis] Martin H, et al. Ann Otolaryngol Chir Cervicofac 88:108-9, Jan-Feb 71 (Fre)
[Dental implantations] Guerrieri GL. Rev Bras Odontol 28:69-72, Mar-Apr 71 (Por)

DIAGNOSTIC USE

Experimental esophagitis: roentgenographic findings after insufflation of tantalum powder. Goldberg HI, et al. Am J Roentgenol Radium Ther Nucl Med 110:288-94, Oct 70
Powdered tantalum: its use as a roentgenographic contrast material. Dilley RB, et al. Ann Otol Rhinol Laryngol 79:945-52, Oct 70
Experimental double-contrast cystography with tantalum dust. Blank NK, et al. Invest Radiol 5:250-3, Jul-Aug 70
Esophageal labeling with small tantalum wires: effects on motility and histology. Dodds WJ, et al. Invest Radiol 6:191-8, May-Jun 71
In vivo roentgenographic examination of parasympathetic innervation of small airways. Use of powdered tantalum and a fine focal spot x-ray tube. Nadel JA, et al. Invest Radiol 6:9-17, Jan-Feb 71
[Experimental radiographic demonstration of the liver and spleen using tantalum powder] Davaris P, et al. Fortschr Geb Roentgenstr Nuklearmed 114:119-26, Jan 71 (Ger)
[A new method of bronchography. X-ray delineation of the tracheobronchial tree in animals by inhalation of powdered tantalum] Kammler E, et al. Pneumonologie 144:344-51, 1971 (Ger)

TAPAZOLE see under THYROID ANTAGONISTS (D8)

TAPE RECORDING (E5, L)

ITV as a diagnostic tool. Hess W. Am Ann Deaf 115:629-30, Oct 70
A multi-media role for VTR. Laird R. Am Ann Deaf 115:622, Oct 70
Videotapes in teacher preparation. Lorene J. Am Ann Deaf 115:626-8, Oct 70
Electronic video recording. McIntire W. Am Ann Deaf 115:597-600, Oct 70
The giant track mushroom. Tettemer C. Am Ann Deaf 115:605-10, Oct 70
Instructional Television: the closed circuit system and the portable videotape system. Thompson C. Am Ann Deaf 115:611-4, Oct 70
A closed circuit video--videorecorder microscope system for teaching histopathology. Okagaki T, et al. Am J Clin Pathol 55:73-6, Jan 71
Videotape in ophthalmic surgery. Bronson NR 2d. Am J Ophthalmol 71:544-8, Feb 71
The use of a tape recorder in clinical practice. Weston A, et al. ASHA 12:551-2, Nov 70
The use of video-tape recording (VTR) in university speech pathology and audiology training centers. ASHA 12:555-6, Nov 70
Audio-tape-slide teaching aids. Phillips RR. Br J Dermatol 83:504-5, Oct 70
Video-tape recording as an aid to behaviour therapy. Lautch H. Br J Psychiatry 117:207-8, Aug 70
Acquisition and analysis of narrative medical record data. Robinson RE 3d. Comput Biomed Res 3:495-509, 5 Oct 70
Videotape as a medium of therapy. Rynearson RR, et al. Curr Psychiatr Ther 10:83-7, 1970
Video Nursing, Inc. Hospitals 45:92-4, 16 Feb 71
Direct conversion of FM magnetic tape data into digital form. Berson AS, et al. IEEE Trans Biomed Eng 18:281-8, Jul 71
A lightweight two-track tape recorder suitable for correlative monitoring of the electrocardiogram. Wagner RL. IEEE Trans Biomed Eng 18:159, Mar 71
Therapeutic playback, self objectification and the analytic process. Stern MM. J Am Psychoanal Assoc 18:562-98, Jul 70
The stability of chronic schizophrenic speech on a standardized video-tape interview. Dinoff M, et al. J Clin Psychol 27:191-4, Apr 71
TV tapes for teaching basic clinical scaling techniques. Poupard J. J Dent Educ 35:52, Feb 71
Pretest and posttest reactions to self-viewing one's teaching performance on video tape. Salomon G, et al. J Educ Psychol 61:280-6, Aug 70
Providing medical information to physicians by telephone tapes. Meyer TC, et al. J Med Educ 45:1060-5, Dec 70
A new telephone tape information service. J Med Soc NJ 67:639-40, Oct 70
Tape recorder PA system as hearing aid. Gilbert HN. JAMA 216:1349-50, 24 May 71
Videotape in teaching electromyography. Suter C. Mayo Clin Proc 46:265-7, Apr 71
Preparation of audio tapes for self-instruction. Engel CE. Med Biol Illus 21:14-8, Jan 71
Some uses of video-tape recording in language rehabilitation after brain damage. Hatfield FM. Med Biol Illus 21:166-71, Jul 71
Editing video-tape recordings. 1. Lane AW. Med Biol Illus 21:37-41, Jan 71
Editing video-tape recordings. 2. Lane AW. Med Biol Illus 21:163-5, Jul 71
Increasing workshop production through self-visualization on videotape. De Roo WM, et al. Ment Retard 9:22-5, Aug 71
Recording observations of self-injurious behavior. Fielding LT, et al. Ment Retard 9:31-2, Jun 71
The application of video tape replay in academic and clinic settings. Marshall NR, et al. Ment Retard 8:17-9, Dec 70
Videotape keeps the training up to date, holds the cost down. Crandall GM. Mod Hosp 117:85-7, Jul 71
Homemade videotapes train staff and help patients understand hospital procedures. Jamron KS, et al. Mod Hosp 117:87-8, Jul 71
Teaching by audiotape. Wittmeyer A. Nurs Outlook 19:163-3, Mar 71
Modified hearing screening method. Callas JG, et al. Pediatrics 46:938-40, Dec 70
Videotape recordings: a tool for psychiatric clinical supervision. Muecke MA. Perspect Psychiatr Care 8:200-8, Sep-Oct 70
The definition and evaluation of the skills required to obtain a patient's history of illness: the use of videotape recordings. Anderson J, et al. Postgrad Med J 46:606-12, Oct 70
The use of psychodrama combined with videotape playback on an inpatient floor. Gonen JY. Psychiatry 34:198-213, May 71
Audiotape and videotape self-confrontation in psychotherapy. Bailey KG, et al. Psychol Bull 74:127-37, Aug 70
Audiotape self-confrontation in group psychotherapy. Bailey KG. Psychol Rep 27:439-44, Oct 70
Experience with a tape-slide service. Graves J. Scott Med J 16:39-42, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The Texas regional medical program Dial Access Project for cancer consultation. Hickey RC.
Tex Med 67:78-82, Jun 71
Monitoring pulsations in echo-encephalography with the help of a video-recorder. Meijer JG, et al.
Ultrasonics 9:166-70, Jul 71
[Study on the accuracy of recording bioelectric signals on magnetic tapes] Nürnberger R, et al.
Biomed Tech (Stuttg) 16:83-6, 3 Jun 71 (Ger)
[Advanced medical training from tape recordings] Kleiber M, et al. Orv Hetil 112:215-6, 24 Jan 71 (Hun)
[Tape-recorder and camera--good aids at congresses] Eriksson E. Lakartidningen 68:861-5, 17 Feb 71 (Swe)

INSTRUMENTATION

FM converter for tape recording of low-frequency biological data. Caldwell WM, et al.
J Appl Physiol 29:901-3, Dec 70
An apparatus and procedure for the perceptual study of speech pauses. Ruder KR, et al.
J Exp Anal Behav 14:287-9, Nov 70
[Magnetic register system for the simplification of the study of liver circulation using colloidal Au-198] Lopes JF, et al. Arq Patol 42:55-60, 1970 (Por)
[Attachment for magnetic tape recording of low-frequency processes] Kuz'menko VA.
Biull Eksp Biol Med 70:120-1, Aug 70 (Rus)

TAPEWORM INFECTION see CESTODE

INFECTIONS (C1)

TAPEWORMS see CESTODA (B1)

TARACTAN see CHLORPROTHIXENE (D6)

TARICHATOXIN see TETRODOTOXIN (D12)

TARPAN see under DIBENZAZEPINES (D2)

TARS (D13)

Review of attempts to induce lung cancer in experimental animals by tobacco smoke. Shabad LM.
Cancer 27:51-5, Jan 71 (21 ref.)

ADVERSE EFFECTS

Chloracne. A critical review including a comparison of two series of cases of acne from chlornaphthalene and pitch fumes. Crow KD.
Trans St Johns Hosp Dermatol Soc 56:79-99, 1970 (83 ref.)
[Relation between the therapeutic and cancerogenic effect of tar] Holan V.
Cesk Dermatol 45:204-6, Sep 70 (Cze)
[Results of epicutaneous tests in acne picealis] Reichenberger M.
Berufsdermatosen 18:42-8, Feb 70 (Ger)

ANALYSIS

Possible carcinogenic hazards of several tars and of locacorten-tar ointment (spectro-fluorescent investigations and experiments in animals). Shabad LM, et al. Int J Cancer 6:314-8, 15 Sep 70
[Mitoclassic activity and chromosomal aberrations induced by alpha and beta-naphthonitrile, identified in a cigarette smoke tar fraction] Izard C, et al.
C R Acad Sci [D] (Paris) 272:2581-3, 17 May 71 (Fre)

PHARMACODYNAMICS

[Effect of cigarette smoking on the EOG] Schmidt B.
Klin Monatsbl Augenheilkd 156:523-31, 1970 (Ger)
[Sarcoma M-1 development in the bodies of rats under the influence of crude and tar-free naphthalane] Gulieva SA. Biull Eksp Biol Med 66:88-9, Sep 68 (Rus)

THERAPEUTIC USE

Plethysmographic recordings of skin pulses. 3. Effect of corticosteroids, dithranol and tar in psoriasis. Thune P. Acta Derm Venereol (Stockh) 51:183-8, 1971

TARSAL GLANDS see under EYELIDS (A1, A9)

TARSAL JOINT (A2)

[Simple tibio-tarsal luxation without associated fracture: review of the literature apropos a case] Mourgues G de, et al.
Lyon Chir 65:661-7, Sep-Oct 69 (Fre)
[A case of villo-nodular pigmented synovitis of the tibio-tarsal joint] Martini M, et al.
Rev Chir Orthop 56:571-5, Sep 70 (Fre)
[Recent traumatic lesions between Chopart's and Lisfranc's joints] Perriard M, et al.
Z Unfallmed Berufskr 63:318-28, 1970 (Fre)

ANATOMY & HISTOLOGY

[Joint capsule conditions and the possibilities of injection into the tarsal joint of the dog] Schlüter H, et al.
Berl Munch Tieraerztl Wochenschr 83:360-3, 15 Sep 70 (Ger)

INJURIES

The mechanism of tarso-metatarsal joint injuries. Wiley JJ. J Bone Joint Surg [Br] 53:474-82, Aug 71
[Transplantar nailing of the instep] Decoulx P, et al.
Rev Chir Orthop 57:203-14, Apr-May 71 (Fre)
[Treatment of fracture-dislocation of the foot joint] Okada K, et al.
Orthop Surg (Tokyo) 22:45-9, Jan 71 (Jap)
[Adaptation, function and injuries of the upper and lower foot joint in ballet dancers] Zimmermann B, et al. Arh Hig Rada Toksikol 21:111-8, 1970 (Cro)

PATHOLOGY

[Extensive degenerative changes of foot joints due to gout] Pizio Z, et al.
Wiad Lek 23:2219-23, 15 Dec 70 (Pol)

RADIOGRAPHY

[On the protrusion of the astragalus in Köhler's disease of the scaphoid] Columbaro G, et al.
Quad Radiol 34:109-20, Mar-Apr 69 (Ita)
[Luxations of the tarso-metatarsal joint] Mikić Z.
Med Pregl 24:69-76, 1971 (Cro)

TARSOMETATARSAL JOINT see under TARSAL

JOINT (A2)

TARSUS see ANKLE (A1, A2)

TARSUS see ANKLE JOINT (A2)

TARSUS, ANIMAL see under HINDLIMB (A13)

TARTRATES (D2)

ADMINISTRATION & DOSAGE

The effect of penicillamine in the treatment of experimental schistosomiasis with tartar emetic. Tarrant ME, et al.
Ann Trop Med Parasitol 65:233-44, Jun 71
[Serumimmunologic findings in the course of citostal therapy in patients with endometrial adenoma] Montemagno U, et al.
Arch Ostet Ginecol 74:50-7, Jan-Feb 69 (Ita)

THERAPEUTIC USE

Clinical experiences with antimonyl-dimethylcysteino-tartrate (NAP) in a rural population infected with Schistosoma mansoni. Pedrique MR, et al.
Ann Trop Med Parasitol 64:255-61, Jun 70
[Experiences with a new cough blocking agent with immediate and prolonged effect] Fritz M, et al.
Med Monatsschr 25:37-9, Jan 71 (Ger)
[Treatment of fluor vaginalis with Malun] Kemper M.
Z Allgemeinmed 47:301-3, 28 Feb 71 (Ger)
[On the treatment of organic neuroses] Veccia F.
Clin Ter 55:461-4, 15 Dec 70 (Ita)

TOXICITY

Penicillamine as an adjuvant to antimonial therapy, effect on electrocardiographic changes in dogs. Girgis NI, et al. East Afr Med J 47:576-81, Nov 70
[Comparative experimental studies on intoxications with ajmaline and N-n-propyl-ajmalinium-hydrogentartrate (NPAB)] Weidner A, et al.
Arzneim Forsch 21:685-7, May 71 (Ger)
[The behavior of C14 marked diacetyltartaric acid mono- and diglycerides in vitro and in vivo in the rat] Lang K, et al.
Z Ernaehrungswiss 10:111-4, Dec 70 (Ger)

TASTE (F1, G1)

The effect of changes in the blood flow to the tongue on the chorda tympani response in rat. Hellekant G.
Acta Physiol Scand 83:145-53, Jun 71
Flavor and microorganisms. Margalith P, et al.
Adv Appl Microbiol 12:35-88, 1970 (218 ref.)
Rapid determination of taste threshold: a group procedure. Kelty MF, et al.
Am J Clin Nutr 24:177-80, Feb 71
Permeability of tongue epithelium and its relation to taste. Mistretta CM. Am J Physiol 220:1162-7, May 71
Ability to taste phenylthiocarbamide of Hungarian children and adolescents. Forral G, et al.
Ann Med Exp Biol Fenn 48:191-4, 1970
The variability of the human parotid flow rate on stimulation with citric acid, with special reference to taste. Ericson S. Arch Oral Biol 16:9-19, Jan 71
The effects of interactions between gustatory stimulation the reflex flow-rate of human parotid saliva. Speirs RL. Arch Oral Biol 16:349-65, Apr 71
The effect of complete dentures upon taste perception. Murphy WM. Br Dent J 130:201-5, 2 Mar 71
Relationship between taste threshold for drugs and clinical progress in a mixed group of psychiatric patients. Pan L, et al. Br J Psychiatry 117:653-9, Dec 70
Taste and its importance to the domestic chicken. Gentle MJ. Br Poult Sci 12:77-86, Jan 71
Local taste specificity within lingual nerve fields in the cat. Ishiko N. Brain Res 24:343-6, 1 Dec 70
Adaptation and the neural code for taste. Yinon U, et al.
Brain Res 23:428-32, 28 Oct 70
Making cholestyramine palatable. Thompson WG.
Can Med Assoc J 104:986, 5 Jun 71
A peripheral sensory basis for behavioral regulation. Omand E. Comp Biochem Physiol 38:265-87, 1 Feb 71
Summated cerebral evoked responses to taste stimuli in man. Funakoshi M, et al.
Electroencephalogr Clin Neurophysiol 30:205-9, Mar 71
Haloforms: sweet taste of smell? Henkin RI, et al.
Experientia 27:154-5, 15 Feb 71
Taste sensitivity in chronic throat infections. Coyas A, et al. Eye Ear Nose Throat Mon 49:10-2, Jan 70
Studies on the taste thresholds of patients with thyroid diseases for bitter substances. Narita S.
Fukushima J Med Sci 17:13-9, 1970
Letters to the editor: changes in tast sensitivity with advancing age. Fischer R, et al.
Gerontol Clin (Basel) 12:314-5, 1970
The frequency of PTC tasters and males deffective in colour vision in a Kurdish population in Iran. Lightman SL, et al. Hum Biol 42:665-9, Dec 70
Phenylthiocarbamide tasting ability among Lapps and Finns. Eriksson AW, et al. Hum Hered 20:623-30, 1970
Phenylthiocarbamide taste thresholds in the population of Thailand. Boobphanirojana P, et al.
Humangenetik 10:329-34, 1970
Taste perception in depressive illness. Steiner JE, et al.
Isr Ann Psychiatry 7:223-32, Nov 69
Flavor and flatulence factors in soybean protein products. Rackis JJ, et al.
J Agric Food Chem 18:977-82, Nov-Dec 70
Review of some nutritional aspects of the sense of taste. Goatcher WD, et al.
J Anim Sci 31:973-81, Nov 70 (81 ref.)
Symposium on microbial changes in foods. Relationship of the microflora to the flavour fo cheddar cheese. Reiter B, et al. J Appl Bacteriol 34:63-80, Mar 71
Affective response toward uses of reclaimed water. Bruvold WH. J Appl Psychol 55:28-33, Feb 71
Laboratory panel estimation of consumer assessments of taste and flavor. Bruvold WH.
J Appl Psychol 54:326-30, Aug 70
Intravascular taste in rats as demonstrated by conditioned aversion to sodium saccharin. Bradley RM, et al. J Comp Physiol Psychol 75:186-9, May 71
Beta-adrenergic receptors in the hypothalamus for learned and unlearned taste aversions. Margules DL.
J Comp Physiol Psychol 73:13-21, Oct 70
Learned taste and temperature aversions due to lithium chloride sickness after temporal delays. Nachman M. J Comp Physiol Psychol 73:22-30, Oct 70
Limited effects of electroconvulsive shock on memory of taste stimulation. Nachman M.
J Comp Physiol Psychol 73:31-7, Oct 70
Conditioned suppression taste thresholds in the rat. Shaber GS, et al.
J Comp Physiol Psychol 73:193-201, Nov 70
Role of oropharyngeal factors in LiCl aversion. Smith DF, et al. J Comp Physiol Psychol 69:308-10, Oct 69
Comparative rodent preferences for artificial sweeteners. Wagner MW.
J Comp Physiol Psychol 75:483-90, Jun 71
Transmitter mechanism responsible for initiation of sweet and bitter signals in the glossopharyngeal nerve of frogs. Steiner JE. J Dent Res 50:651-2, May-Jun 71
Automated preference testing apparatus for rating palatability of foods. Thompson RD, et al.
J Exp Anal Behav 15:215-20, Mar 71
Rated acceptability of mineral taste in water. 3. Contrast and position effects in quality scale ratings. Bruvold WH. J Exp Psychol 85:258-63, Aug 70
Taste intensity as a function of area and concentration: differentiation between compounds. Smith DV.
J Exp Psychol 87:163-71, Feb 71
Structure-taste relationships of aspartic acid amides. Mazur RH, et al. J Med Chem 13:1217-21, Nov 70
Neural correlates of gustatory intensity and quality. Ganchrow JR, et al. J Neurophysiol 33:768-83, Nov 70
South Carolina Heart Association cardiovascular case of the month. An unusual presentation of acute myocardial infarction. Hendrix GH, et al.
J SC Med Assoc 67:175, Apr 71
Idiopathic hypogeusia with dysgeusia, hyposmia, and dysosmia. A new syndrome. Henkin RI, et al.
JAMA 217:434-40, 26 Jul 71
Potentiation of gustatory response to monosodium glutamate in rat chorda tympani fibers by addition of 5'-ribonucleotides. Sato M, et al.
Jap J Physiol 20:444-64, Aug 70
The relative taste effectiveness of various sugars and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sugar alcohols for the rat. Noma A, et al. Kumamoto Med J 24:1-9, 31 Mar 71
Unusually high taste acuity for phenylthiocarbamide in two Formosan aboriginal groups. Lugg JW. Nature (Lond) 228:1103-4, 12 Dec 70
Experiments concerning the transfer specificity of brain extracts in the taste discrimination of goldfish. Zippel HP, et al. Pfluegers Arch 323:265-72, 1971
Transfer of taste preference from trained goldfish (Carassius auratus) into untrained recipients. Zippel HP, et al. Pfluegers Arch 323:258-64, 1971
Some aspects of the measurement of flavour. Land DG. Proc Nutr Soc 29:309-17, Dec 70
The complex background to the sensory qualities of meat and fish. Lovern JA. Proc Nutr Soc 29:348-54, Dec 70
Measurement of electrical taste threshold. Sumner D. Proc R Soc Med 64:658-60, Jun 71
Taste of water in the cat: effects on sucrose preference. Bartoshuk LM, et al. Science 171:699-701, 19 Feb 71
Taste distortion and plant palatability. Eisner T, et al. Science 172:1362, 25 Jun 71
Recuperation from illness: flavor enhancement for rats. Green KF, et al. Science 173:749-51, 20 Aug 71
Taste stimuli: quality coding time. Halpern BP, et al. Science 171:1256-8, 26 Mar 71
Illness-induced aversions in rat and quail: relative salience of visual and gustatory cues. Wilcoxon HC, et al. Science 171:826-8, 26 Feb 71
Olfactory and gustatory problems. An introduction to the technological, nutritional and physiological aspects of the organoleptic assessments of food characteristics. Kouwenhoven T. World Rev Nutr Diet 12:318-76, 1970 (99 ref.)
[Is the body weight regulated owing to variations in the pleasure of alimentary perceptions] Cabanac M, et al. J Physiol (Paris) 62:Suppl 2:258, 1970 (Fre)
[Pathogenesis of disorders of smell and taste] Hansen D. Dtsch Med Wochenschr 96:1196-200, 9 Jul 71 (Ger)
[Drug dependent ageusia] Poeck K. Dtsch Med Wochenschr 96:1449, 3 Sep 71 (Ger)
[The Beidler equation for the study of relative sweetness] Hofmann HH, et al. Hoppe Seylers Z Physiol Chem 351:1524-30, Dec 70 (Ger)
[Gustatory capacity in primates] Glaser D. Z Morphol Anthropol 62:285-9, Dec 70 (Ger)
[The fine structure of the tarsal taste hairs of the Blowfly, Phormia terraenovae Rob.-Desv] Hansen K, et al. Z Zellforsch Mikrosk Anat 117:419-42, 1971 (Ger)
[Taste sensitivity to phenylthiocarbamide in a group of 50 families from Latium] Alciati G. Acta Genet Med Gemellol (Roma) 20:82-4, Jan 71 (Ita)
[Taste reaction to PTC in MZ twins] Gaffuri G. Acta Genet Med Gemellol (Roma) 19:169-70, Jan-Apr 70 (Ita)
[Organoleptic examination in the control of products] Verderio E. Boll Chim Farm 109:687-93, Nov 70 (Ita)
[Comparison between the electroneurographic effects of gustatory activation of Staderini's nucleus intercalatus and of those of adjacent bulbar regions] Bava A, et al. Boll Soc Ital Biol Sper 46:489-91, 15 May 70 (Ita)
[Neurophysiological analysis of relations between taste effectiveness and chemical structures of 5'-ribonucleotides] Kasahara Y, et al. J Physiol Soc Jap 32:748-55, 1970 (Jap)
[Studies on a water "rinse effect" after sucrose application to the tongue of the rat] Yamamoto T, et al. J Physiol Soc Jap 33:294-302, 1971 (Jap)
[Clinical application of electrogustometer] Miyahara T, et al. Otolaryngology (Tokyo) 43:143-50, Feb 71 (Jap)
[Examination of the hearing, the vestibular system functions, taste and olfactory systems in patients with disseminated sclerosis] Wender M, et al. Neurol Neurochir Pol 5:179-84, 1971 (Pol)
[Studies on taste in lesions of the chorda tympani] Moszyński B. Otolaryngol Pol 25:25-9, 1971 (Pol)
[The state of gustatory sensitivity in middle and old age] Leshkinova RD, et al. Stomatologiia (Mosk) 50:9-11, May-Jun 71 (Rus)
[Taste function of the chorda tympani in some otorhinolaryngologic diseases] Mironenko IuT. Zh Ushn Nos Gorl Bolezn 31:48-53, May-Jun 71 (Rus)
[Physiology of taste] Castro Vasquez JM. An Esp Odontoestomatol 26:325-35, Jul-Aug 67 (Spa)
[Epidemiological evaluation of the degree of consanguinity of different rural and urban communities using the P.T.C. (phenylthiocarbamide) test] Del Rey Calero J. Rev Sanid Hig Publica (Madr) 44:1253-67, Nov 70 (Spa)
[Must liquid medicines contain sugar?] Allard N, et al. Lakartidningen 67:5775-80, 2 Dec 70 (Swe)

DRUG EFFECTS

Griseofulvin and dysgeusia: implications? Fogan L. Ann Intern Med 74:795-6, May 71
Are taste and drug sensitivity subject to periodic fluctuation? Fischer R, et al. Arzneim Forsch 21:135-9, Jan 71
Qualitative gustatory characteristics of disodium-5'-guanylate. Gregson RA, et al. Br J Psychol 62:81-8, Feb 71
Taste interaction of ethyl alcohol with sweet, salty, sour and bitter compounds. Martin S, et al. J Sci Food Agric 21:653-5, Dec 70
Oral effects of hydrolytic enzymes on taste acuity in man. Giroux EL, et al. Life Sci [I] 10:361-70, 1 Apr 71
Hypogeusia corrected by Ni++ and Zn++. Henkin RI, et al. Life Sci [II] 9:701-9, 22 Jun 70
New rodenticide, 'MR-100', containing a taste enhancer. Schisla RM, et al. Nature (Lond) 228:1229-30, 19 Dec 70
The effects of corticosteroids and ACTH on sensory systems. Henkin RI. Progr Brain Res 32:270-94, 1970
[A study of taste effectiveness of copper ion in the rat] Yamamoto T. J Physiol Soc Jap 33:169-78, Mar 71 (Jap)
[Modification of the phenylthiocarbamide (PTC) taste threshold induced by L-tyrosine] Barrera R. Rev Med Chil 99:145-9, Feb 71 (Spa)

PHYSIOPATHOLOGY

[Electrogustometry. A valuable test in evaluating the function of the chorda tympani and its postoperative lesions] Kluyskens P, et al. Acta Otorhinolaryngol Belg 23:23-32, 1969 (Fre)

TASTE BUDS (A3, A9)

ANALYSIS

Do unique proteins exist in taste buds? Koyama N, et al. J Gen Physiol 57:297-302, Mar 71

ANATOMY & HISTOLOGY

The lingual taste buds of Gallus domesticus L. Gentle MJ. Br Poult Sci 12:245-8, Apr 71

CYTOLOGY

Fine structure of the taste bud in the mud puppy, Necturus maculosus. Farbman AI, et al. Am J Anat 131:353-69, Jul 71
Filamentous structures in normal taste bud. Sangiacomo CO. Experientia 26:1121-2, 15 Oct 70
Changes in the cell population of taste buds during degeneration and regeneration of their sensory innervation. Iwayama T. Z Zellforsch Mikrosk Anat 110:487-95, 1970
Changes in the cell population of taste buds during degeneration and regeneration of their sensory innervation. Iwayama T. Z Zellforsch Mikrosk Anat 10:487-95, 1970
[Nerve fiber bundles of the vallate and fungiform papillae of the primate tongue] Kadanoff D. Z Mikrosk Anat Forsch 83:321-30, 1971 (Ger)
[Electron microscopic study of the receptor and supportive cells of the taste buds in the frog] Pevzner RA. Tsitologiia 12:971-7, Aug 70 (Rus)

DRUG EFFECTS

Hetero-electrogenesis of the gustatory cell membrane in rat. Ozeki M. Nature (Lond) 228:868-9, 28 Nov 70
[Behavior of frog taste receptors perfused with sodium gymnemate] Rapuzzi G, et al. Boll Soc Ital Biol Sper 46:423-6, 30 Apr 70 (Ita)
[Action of streptomycin on the activity of lingual receptors] Rapuzzi G, et al. Boll Soc Ital Biol Sper 46:417-20, 30 Apr 70 (Ita)
[Action of creatinol-O-phosphate and creatinol-N-phosphate on the function of taste receptors] Rapuzzi G, et al. Farmaco [Sci] 25:946-52, Dec 70 (Ita)

INNERVATION

The effect of changes in the blood flow to the tongue on the chorda tympani response in rat. Hellekant G. Acta Physiol Scand 82:145-53, Jun 71
Denervation of taste buds in the rabbit. Naga IA, et al. Am J Anat 129:53-63, Sep 70
Fine structure of degeneration and regeneration in denervated rabbit vallate taste buds. Fujimoto S, et al. Anat Rec 168:383-413, Nov 70
Peripheral interactions among single papilla inputs to gustatory nerve fibers. Miller IJ Jr. J Gen Physiol 57:1-25, Jan 71
[Interaction between the taste buds of the tongue in frogs] Taglietti V, et al. Boll Soc Ital Biol Sper 45:1228-32, 15 Oct 69 (Ita)

PATHOLOGY

Idiopathic hypogeusia, a new disease. JAMA 217:471-2, 26 Jul 71

PHYSIOLOGY

Adaptation of neural taste responses in cat. Wang MB, et al. Brain Res 20:277-82, 3 Jun 70
Trophic influence of in vivo transplanted sensory neurons on taste buds. Zalewski AA. Exp Neurol 29:462-7, Dec 70
Prolonged survival and trophic function of neurons in homologous transplants of sensory ganglion in vivo. Zalewski AA. Exp Neurol 30:510-24, Mar 71
Peripheral interactions among single papilla inputs to gustatory nerve fibers. Miller IJ Jr. J Gen Physiol 57:1-25, Jan 71
[Response to chemical stimulation of frog gustatory receptors perfused with oxythiamine diphosphate and thiamine diphosphate] Sacchi O, et al. Boll Soc Ital Biol Sper 45:1591-3, 31 Dec 69 (Ita)
[Functional mobility of the taste receptors and the glycemic reaction of the organism] Budylina SM, et al. Biull Eksp Biol Med 68:11-3, Jun 69 (Rus)
[Electric reaction of the frog taste cells in centrifugal stimulation] Esakov AI, et al. Biull Eksp Biol Med 72:3-6, Jul 71 (Rus)

PHYSIOPATHOLOGY

Evaluation of electrogustometry as a prognostic index in Bell's palsy. Dasgupta G, et al. Neurol India 19:20-6, Mar 71
[Taste function of the chorda tympani in some otorhinolaryngologic diseases] Mironenko IuT. Zh Ushn Nos Gorl Bolezn 31:48-53, May-Jun 71 (Rus)

TATTOOING (E5)

Topical medications on dermabraded tattoos. Hagerman RD, et al. Arch Dermatol 102:438-9, Oct 70
Superficial dermabrasion. Loria PR. Arch Dermatol 103:225, Feb 71
Laser treatment of tattoos and angiomas. Kitzmiller KW. J Med Assoc Ga 59:385-6, Oct 70
Tattooing of mucosal surfaces in cancer of head and neck with preoperative radiotherapy. Schwartz AE, et al. NY State J Med 71:2187-8, 15 Sep 71
Surgical tattooing of the port-wine stain. Operative technique, results, and critique. Thomson HG, et al. Plast Reconstr Surg 48:113-20, Aug 71
[Tattooing. Medico-psychological study of 100 cases observed in selection center No 4] Martin de Lassalle H, et al. Rev Corps Sante Armees 11:843-55, Dec 70 (Fre)
[Tattooing viewed from a psychiatric standpoint and their significance] Vranješević D. Med Glas 24:242-5, Jun 70 (Cro)

ADVERSE EFFECTS

Thermal induced sweating in tattooed skin. Cotton DW, et al. Dermatologica 141:252-4, 1970
Inoculation leprosy appearing after seven years of tattooing. Sehgal VN. Dermatologica 142:58-61, 1971
Hypersensitivity to chromium in a light-blue tattoo. Tazelaar DJ. Dermatologica 141:282-7, 1970

TAURINE (D2)

[Oxidation of hypotaurine with H2O2] Fiori A, et al. Acta Vitaminol Enzymol (Milano) 23:264-7, 1969 (Ita)
[Taurine and the cardiovascular system] Guidotti A, et al. Recent Progr Med (Roma) 49:61-97, Jul 70 (159 ref.) (Ita)

ANALYSIS

Increased ratio of glycine-taurine conjugated bile acids in the early diagnosis of terminal ileopathy. Preliminary report. Bruusgaard A, et al. Acta Med Scand 188:547-8, Dec 70
Quantitative determination of taurine by an o-phthalaldehyde-urea reaction. Gaitonde MK, et al. Analyst 96:274-80, Apr 71
Plasma and tissue concentrations of free taurine and amino acids in fasted, and hyper- or hypothyroid diet fed rats. Fujihira E, et al. Chem Pharm Bull (Tokyo) 19:424-8, Feb 71

ISOLATION & PURIFICATION

Extraction of bile acids from rat feces containing cholestyramine. Manes JD, et al. J Lipid Res 12:376-7, May 71

METABOLISM

Physiological basis of alterations in the relative conjugation of bile acids with glycine and taurine. Garbutt JT, et al. Am J Clin Nutr 24:218-28, Feb 71
Biochemical studies of taurine in the developing rat brain. Kaczmarek LK, et al. Biochem J 119:45P-46P, Oct 70
Bacterial modification of taurocholate during enterohepatic recirculation in normal man and patients with small intestinal disease. Garbutt JT, et al. Gastroenterology 59:553-66, Oct 70
Absorption of bile salts from human gastric mucosa. Ivey KJ, et al. J Appl Physiol 29:806-8, Dec 70
Formation of sulfoacetaldehyde from taurine in bacterial extracts. Kondo H, et al. J Biochem (Tokyo) 69:821-3, Mar 71
Absorption of organic compounds by the injured

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

gallbladder. Ostrow JD.
J Lab Clin Med 78:255-64, Aug 71
Trans-sulphuration in primate brain: regional distribution of s stages of development. Volpe JJ, et al. J Neurochem 17:425-37, Mar 70
A study of the ratios of bile salt conjugates of glycine to taurine in the jejunum and ileum in patients with tropical sprue. Kapadia CR, et al.
Scand J Gastroenterol 6:357-61, 1971
[Metabolism of the isolated perfused rat liver after in vitro irradiation. II. Intracellular and extracellular contents of free amino acids, taurine and urea] Stähler F, et al.
Strahlentherapie 140:213-20, Aug 70 (Ger)

PHARMACODYNAMICS

Comparison between ouabain and taurine effects on isolated rat and guinea-pig hearts in low calcium medium. Dietrich J, et al.
Life Sci [I] 10:499-507, 1 May 71
[Effect of pantoyl-taurine on intestinal absorption of glucose] Huan PH, et al.
C R Soc Biol (Paris) 164:284-6, 25 Sep 70 (Fre)
[Action of ouabain, taurine and lanthanum on isolated perfused hearts of rats and guinea pigs] Dietrich J, et al. J Physiol (Paris) 63:41A, Mar-Apr 71 (Fre)
[Further aspects of the cardiovascular clinical pharmacology of sulfurated taurine amino acid] Brunetti S, et al.
Boll Soc Ital Cardiol 15:283-6, 1970 (Ita)
[Experimental observations on the mechanism of action of taurine] Nigro G, et al.
Clin Ter 56:415-22, 15 Mar 71 (Ita)
[Effects of homotaurine on blood pressure and cardiac actions] Furukawa T, et al.
Folia Pharmacol Jap 67:131-40, Mar 71 (Jap)

THERAPEUTIC USE

[Taurine as fibrinolytic agent in humans: early therapeutic observations] Fanciullacci M, et al.
Clin Ter 53:3-8, 15 Apr 70 (Ita)
[Taurine in the treatment of ischemic cardiopathies and of progressive muscular dystrophy] Nigro G, et al.
Clin Ter 56:347-59, 28 Feb 71 (Ita)
[A new drug for the prevention of arrhythmia: taurine] Novelli GP, et al.
Minerva Anestesiol 35:1241-50, Dec 69 (Ita)
[Therapeutic effect of a combination product (taurine-nucleotides-vitamins) in the course of detoxication of psychiatric alcoholic patients] Dogliani P, et al.
Omnia Med Ther 48:165-74, Jan-Jun 70 (Ita)
[Nucleodoxin in the treatment of alcoholic myocardiopathies. Hemodynamic evaluations with the polygraphic method] Forattini C.
Omnia Med Ther 48:361-73, Jul-Sep 70 (Ita)
[Use of taurine in radiation therapy of pulmonary cancer] Kimura S, et al.
Rinsho Hoshasen 16:393-6, May 71 (Jap)
[Effects of taurine in leukocytopenia associated with radiotherapy] Tanaka Y.
Rinsho Hoshasen 16:123-6, Feb 71 (Jap)

URINE

Zinc deficiency and urinary excretion of taurine-35S and inorganic sulfate-35S following cystine-35S injection in rats. Hsu JM, et al.
J Nutr 100:1189-95, Oct 70

TAXONOMY see under CLASSIFICATION (L)

TAY-SACHS DISEASE see AMAUROTIC FAMILIAL IDIOCY (C10, C13, F2)

TDE see under DDD (D2)

TEA (B6, J)

see also specific
THEOPHYLLINE (D2, D6)

The "pink spot," 3,4-dimethoxyphenylethylamine, common tea, and schizophrenia. Stabenau JR, et al.
Am J Psychiatry 127:611-6, Nov 70
Should infants be allowed to drink tea? Cone TE Jr.
Pediatrics 46:695, Nov 70

ANALYSIS

[Chemical analysis and morphological and organoleptic evaluation of tea available on the Polish market] Bulinski R.
Ann Univ Mariae Curie Sklodowska [Med] 24:101-9, 1969 (Pol)
[Determination of catechins in drugs from tea leaves] Tseftina Ala, et al.
Farmatsiia 20:50-3, Jan-Feb 71 (Rus)

ENZYMOLOGY

[Some properties of tea polyphenol oxidase] Buzun GA, et al. Biokhimiia 35:1002-6, Sep-Oct 70 (Rus)
[Localization of polyphenol oxidase in the tea leaf] Bokuchava MA, et al.
Dokl Akad Nauk SSSR 192:1374-5, Jun 70 (Rus)

METABOLISM

[Efficiency of use of various C14-precursors for the biosynthesis of flavonoids in the tea plant] Zapromëtov MN, et al.
Biokhimiia 36:270-6, Mar-Apr 71 (Rus)

TEACHING (I)

Teacher self-evaluation and behavioral analysis. Carlson R, et al. Am Ann Deaf 115:620-1, Oct 70
"Misinformation" among advocates of non-oral methodologies. Castle DL.
Am Ann Deaf 115:666-7, Nov 70
Practice material for language teaching. Fusfeld IS.
Am Ann Deaf 115:680-1, Nov 70
Videotapes in teacher preparation. Lorene J.
Am Ann Deaf 115:626-8, Oct 70
Oral vs. manual--"old prejudices die hard, but die they must". Moores DF. Am Ann Deaf 115:667-9, Nov 70
A "naturalistic" approach to teaching oral and written communication. Olson JR.
Am Ann Deaf 115:690-2, Nov 70
What adolescents want to know. Gordon S.
Am J Clin Pathol 55:534-5, Jan 71
Teaching by telephone. Mesolella DW.
Am J Nurs 7:1144-5, Jun 71
One day experience in group dynamics in an occupational therapy assistant course. Maynard M, et al. Am J Occup Ther 25:170-1, Apr 71
Educating teachers and children in law: an approach to reduced alienation in inner-city schools. Elson A, et al.
Am J Orthopsychiatry 40:870-8, Oct 70
Changes in personal-social distance of teachers of Indian children. Galloway CG, et al.
Am J Orthopsychiatry 40:681-3, Jul 70
New approaches to teaching basic interview skills to medical students. Jason H, et al.
Am J Psychiatry 127:1404-7, Apr 71
Teacher readiness for roles in family life education: an exploratory study. Kent RM, et al.
Am J Public Health 61:586-99, Mar 71
Economic effects of personal health services: work loss in a public school teacher population. Robertson RL.
Am J Public Health 61:30-45, Jan 71
An alternative in medical education exemplified by teaching of dermatology. Tio TH.
Ann Clin Res 3:176-81, Jun 71
Professional training on alcoholism. Workshop 3: the use of clinical materials. Chafetz M.
Ann NY Acad Sci 178:82-6, 29 Mar 71
Professional training on alcoholism. Workshop 1: coordination of research and teaching. Deitrich R, et al. Ann NY Acad Sci 178:70-4, 29 Mar 71
Professional training on alcoholism. Workshop 2: stated course in alcoholism vs. other methods incorporating alcoholism into the curriculum. Fine E.
Ann NY Acad Sci 178:75-81, 29 Mar 71
Alcoholism training in medical schools: some pedagogical and attitudinal issues. Mendelson JH, et al. Ann NY Acad Sci 178:66-9, 29 Mar 71
Luncheon address: medical education and the problem of alcoholism. Willard WR.
Ann NY Acad Sci 178:17-22, 29 Mar 71
Undergraduate dermatologic teaching. Results of a questionnaire survey in 1969. Lynch FW, et al.
Arch Dermatol 103:332-8, Mar 71
A review of the Fifth Conference of the Association of Professors of Dermatology. Undergraduate teaching in dermatology. Manick KP, et al.
Arch Dermatol 103:329-31, Mar 71
Teaching and evaluation of diagnostic skills. Miller AA, et al. Arch Gen Psychiatry 24:255-9, Mar 71
An improved model for instruction in binocular indirect ophthalmoscopy. Bartner H, et al.
Arch Ophthalmol 85:530-3, May 71
The effects of creativity and intelligence on teacher ratings. Brody EB. Br J Educ Psychol 40:342-4, Nov 70
Reactions of eleven nursery teachers and assistants to the Peabody Language Development Kit. Quigley H.
Br J Educ Psychol 41:155-62, Jun 71
An exploratory study of teachers' perceptions of the process of planning courses. Taylor PH.
Br J Educ Psychol 40:253-60, Nov 70
Some evidence on the interaction between teaching strategy and personality. Trown EA.
Br J Educ Psychol 40:209-11, Jun 70
Journalized course instruction. A model plan and its application to a course in neuroanatomy. Andersen L, et al. Br J Med Educ 4:323-9, Dec 70
Evaluation of topic teaching using computer marked objective tests. Anderson J, et al.
Br J Med Educ 4:216-8, Sep 70
The case for a variety of teaching methods in each lesson. Bligh DA. Br J Med Educ 4:202-9, Sep 70
A teaching methods course in Liverpool for general practitioners. Harris CM.
Br J Med Educ 4:149-57, Jun 70
Overseas tutor scheme in medical laboratory technology. Hill KR. Br J Med Educ 4:168, Jun 70
Teaching methods in the faculty of medicine. Lowe J.
Br J Med Educ 5:138-41, Jun 71
Advantages and disadvantages of closed-circuit television in the teaching of large classes in preclinical medicine. Olson IA.
Br J Med Educ 4:312-5, Dec 70
Audio-tutorial vs. lecture-recitation: a comparative trial in the teaching of canine radiographic anatomy. Welser JR, et al. Br J Med Educ 4:316-22, Dec 70
Silent loop films in the teaching of anatomy. Welser JR.
Br J Med Educ 4:120-5, Jun 70
Fundamentals of behaviour therapy: an introductory teaching aid. Poser EG.
Can Psychiatr Assoc J 15:487-92, Oct 70
Psychiatric education in the emergency room setting. Rusk TN. Can Psychiatr Assoc J 16:111-9, Apr 71
Basic science and research in orthopaedic education. Bassett CA, et al. Clin Orthop 75:146-55, Mar-Apr 71
The effects of social legislation on the graduate teaching of orthopaedic surgery. Gossling HR.
Clin Orthop 75:86-101, Mar-Apr 71
The development of motor skills in orthopaedic education. Kopta JA. Clin Orthop 75:80-5, Mar-Apr 71
Educational media. Lucas DB.
Clin Orthop 75:135-9, Mar-Apr 71
Technics of medical education in orthopaedic residency. Miller WE.
Clin Orthop 75:65-79, Mar-Apr 71
Television and the school teacher. Miller B.
Clin Pediatr (Phila) 10:458-9, Aug 71
The "fieldwork" method of teaching and learning clinical psychiatry. Volkan VD, et al.
Compr Psychiatry 12:103-15, Mar 71
Competencies needed by teachers of the emotionally disturbed and socially maladjusted: a comparison. Bullock LM, et al. Except Child 37:485-9, Mar 71
Attitudes concerning undergraduate programs for the preparation of teachers of the emotionally disturbed. Harth R. Except Child 37:540-1, Mar 71
Validity of teacher rating as a subtest for screening emotionally disturbed children. Harth R, et al.
Except Child 37:605-6, Apr 71
Behavior modification: where do we go from here? Lovitt T. Except Child 37:157-67, Oct 70
Techniques for screening conduct disturbed children. Nelson CM. Except Child 37:501-7, Mar 71
The effects of loud and soft reprimands on the behavior of disruptive students. O'Leary KD, et al.
Except Child 37:145-55, Oct 70
A clinical teacher model for interrelated areas of special education. Schwartz L.
Except Child 37:565-71, Apr 71
Medical school teaching of basic science. Jacobson ED.
Gastroenterology 60:955-8, May 71
Student assessment of clinical teaching. Meadow R.
Guys Hosp Rep 119:263-74, 1970
Teaching of community psychiatry in residency programs. Clayton T.
Hosp Community Psychiatry 21:4-5, Jul 70
Teaching nursing students the interactional aspects of social concepts. Fredericks MA, et al.
Hosp Progr 52:30-3 passim, Jan 71
Establish dental clinical teacher training program.
J Am Dent Assoc 81:1103-4, Nov 70
Guiding the chang process in people. Craig DG.
J Am Diet Assoc 58:22-5, Jan 71
Teaching as changing behavior. Vargas JS.
J Am Diet Assoc 58:512-5, Jun 71
Is animal science training future teachers? Riley JG.
J Anim Sci 33:179-81, Jul 71
A modular teaching unit for research and therapy with children. Evans IM.
J Child Psychol Psychiatry 11:63-7, May 70
Instant experience in clinical trials: a novel aid to teaching by simulation. Maxwell C, et al.
J Clin Pharmacol 11:323-31, Sep-Oct 71
An approach to the teaching of basic science to dental students. Adams AB. J Dent Educ 35:323-4, May 71
The challenge of teaching. Allen JW.
J Dent Educ 35:260, Apr 71
I enjoy teaching. Berry TG. J Dent Educ 35:427, Jul 71
A new teacher views dental education. Brehm TW.
J Dent Educ 35:430-1, Jul 71
Student growth and the clinical teacher. Field M.
J Dent Educ 35:306-7, May 71
A model for teaching social concepts to dental auxiliaries. Fredericks MA, et al.
J Dent Educ 35:232-5, Apr 71
An evaluation of the transfer of information by printed materials without a formal lecture. Gallagher JB Jr.
J Dent Educ 34:373-80, Dec 70
The liaison. Green DB. J Dent Educ 35:27, Jan 71
A novice looks at dental education. Haller JC.
J Dent Educ 35:24-5, Jan 71
Teacher-instruction and student-instruction compared. Harvey WL, et al.
J Dent Educ 34:327-32, Dec 70
Some "down home" philosophy on teaching. Hudson TR. J Dent Educ 35:431-2, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Reflections on the first year of dental teaching. Lowe JW. J Dent Educ 35:23-4, Jan 71
The attractions of dental teaching. McCormick FE. J Dent Educ 35:381-2, Jun 71
The unchanging student. Martin DW. J Dent Educ 35:308 passim, May 71
Re-examination for competence--of teachers. Massler M. J Dent Educ 35:57-8, Jan 71
Dental education today--tell it like it is. Neff PA. J Dent Educ 35:54-5, Feb 71
After four months. Owen WD. J Dent Educ 35:324, May 71
An evaluation of the seminar learning situation. Plainfield S, et al. J Dent Educ 34:333-9, Dec 70
Dental teaching; a beginner's view. Roth GI. J Dent Educ 35:428-9, Jul 71
Improved teaching of microanatomy. Seliger WG. J Dent Educ 35:254-5, Apr 71
Facilitative learning: viewpoint of a new faculty member. Silverstein SJ. J Dent Educ 35:380-1, Jun 71
We need the framework. Teuscher GW. J Dent Educ 35:403, Jul 71
A view of dental education. Trachtenberg DI. J Dent Educ 35:26-7, Jan 71
Looking at one's self as a dental educator. Troutman KC. J Dent Educ 35:429-30, Jul 71
The appeal of dental education. Von der Lehr WN. J Dent Educ 35:427-8, Jul 71
Dentistry: teaching or private practice. Wesley RC. J Dent Educ 35:520-1, Aug 71
Effects of cognitive style and teaching method on categories of achievement. Coop RH, et al. J Educ Psychol 61:400-5, Oct 70
Utilization of current knowledge of the educational process. Abrahamson S. J Med Educ 45:101-8, Nov 70
Medical student response to a program for teaching comprehensive care. Beloff JS, et al. J Med Educ 45:1047-59, Dec 70
Pedagogy for surgical house staff. Brown RS. J Med Educ 46:93-5, Jan 71
A second study in composition of small learning groups in medical education. Fleisher DS, et al. J Med Educ 45:929-38, Nov 70
CASE: a Computer-Aided Simulation of the Clinical Encounter. Harless WG, et al. J Med Educ 46:443-8, May 71
Experience with new curriculum and elective year at Washington University School of Medicine. Hudgens RW, et al. J Med Educ 45:906-17, Nov 70
Improving classroom instruction: a programmed teaching method. McCarthy WH. J Med Educ 46:605-9, Jul 71
The value of laboratory teaching in pharmacology. Mandel HG, et al. J Med Educ 46:69-77, Jan 71
Development of an interdisciplinary program of instruction in medicine and law. Norton ML. J Med Educ 46:405-11, May 71
Developing case studies for the teaching of clinical pathology. Novak RF. J Med Educ 46:622-4, Jul 71
Teaching radiology to medical students. Schreiber MH. J Med Educ 46:169-71, Feb 71
Cognitive learning and the educational process. Shulman LS. J Med Educ 45:90-100, Nov 70
The tradition of the lecture. Strauss MB. J Med Educ 46:91-2, Jan 71
An overview of motion pictures in medical education. Wakerlin RC. J Med Educ 46:592-8, Jul 71
The educational process: viewpoints of the discussion groups. J Med Educ 45:109-19, Nov 70
Teacher nomination of children's problems: a roiecentric interpretation. Kay BR, et al. J Psychol 70:121-9, Sep 68
Group practice: teaching and research practices. Donovan CF, et al. J R Coll Gen Pract Suppl 2:68-71, Dec 70
Use of state mental health centers in training teachers of children with behavior disorders. Anderson RM, et al. J Sch Health 40:523-5, Dec 70
The human reproduction knowledge of prospective elementary teachers. Bender SJ. J Sch Health 41:273-4, May 71
Overcoming teacher reluctancy toward VD education. Benell FB. J Sch Health 40:483-6, Nov 70
The use of student questions as a partial format for instruction regarding smoking and health. Brooks RW. J Sch Health 40:542-4, Dec 70
Teaching in difficult areas in health. Cornacchia HJ. J Sch Health 41:193-7, Apr 71
New directions for health education through instructional television. Fox R, et al. J Sch Health 41:188-90, Apr 71
Inadequate teacher preparation for health education. Fricke I. J Sch Health 41:74, Feb 71
Sex education controversy--a boost to new and better programs. Report of a survey of education about human growth and development, family life, sex education in Kansas schools. Gendel ES, et al. J Sch Health 41:24-8, Jan 71
Teaching in the difficult areas; implications for physical education and athletics. Haley PA. J Sch Health 41:88-90, Feb 71
Using a grab bag in concept development. Mackey RT. J Sch Health 40:544, Dec 70
How teachers see themselves in the exemplar role in smoking education as evidenced by their attitudes and practices. Newman AN. J Sch Health 41:275-9, May 71
A rolling approach to community health the rubber neck tour. Oswalt L, et al. J Sch Health 40:414-6, Oct 70
A unified approach to health teaching, AAHPER position statement. J Sch Health 41:171, Apr 71
The authoritarianism of American and German teacher education students. Shaver JP, et al. J Soc Psychol 84:303-4, Aug 71
The importance of seeing red: self-teaching techniques for adult aphasia. Montgomery J. J Speech Hear Disord 36:250-1, May 71
The improvement of faculty teaching through evaluation: a preliminary report. Rous SN, et al. J Surg Res 11:311-5, Jun 71
Physical diagnosis teaching. A personal polemic. Spodick DH. JAMA 217:1381, 6 Sep 71
Another non-logarithmic acid-base diagram? Flenley DC. Lancet 1:961-5, 8 May 71
Group discussions and student tutors in a preclinical pathology course. Verbrugh HS, et al. Lancet 1:228-9, 30 Jan 71
Biological photography in a college of education. Bracegirdle B. Med Biol Illus 21:42-4, Jan 71
Some modifications of traditional modelling techniques for use in teaching anatomy. Hewitt W. Med Biol Illus 21:110-2, Apr 71
Programmed learning and the teaching of medicine. Blizard PJ. Med J Aust 1:219-23, 23 Jan 71
The tower of babel. D'Arbon PJ. Med J Aust 1:662, 20 Mar 71
Attitudes of teachers and the public toward mental illness. Bentz WK, et al. Ment Hyg 55:324-30, Jul 71
Where have all the teachers gone? Chekowsky R. Ment Hyg 52:405-10, Jul 68
A practicum model used for training teachess of the mentally retarded. Carison LB, et al. Ment Retard 8:52-4, Oct 70
Changing classroom behavior of retarded children: using reinforcers in the home environment and parents and teachers as trainers. Edlund CV. Ment Retard 9:33-6, Jun 71
Increasing descriptive language skills in EMR students. Henderson LJ. Ment Retard 9:13-6, Jun 71
Evaluation of a new method in teaching medical mathematics to Navy hospital corps school students. Chen MK. Milit Med 135:122-8, Feb 70
Teaching--or preaching--the behavioral sciences. Mumford E. Mt Sinai J Med NY 38:203-15, Mar-Apr 71 (49 ref.)
The deficiencies of the case presentation as a method of clinical teaching. Another approach. Engel GL. N Engl J Med 284:20-4, 7 Jan 71
School teachers as casefinders. Blaser LE, et al. Nurs Outlook 19:460-2, Jul 71
Team teaching pharmacology. Del Bueno DJ, et al. Nurs Outlook 19:414-5, Jun 71
What's different about community college teaching? Garrison RH. Nurs Outlook 19:584-8, Sep 71
Head nurse and clinical teacher. Keller NS. Nurs Outlook 19:596-9, Sep 71
The seminar process--an aid to learning. Rubin F, et al. Nurs Outlook 19:37-9, Jan 71
Teaching by audiotape. Wittmeyer A. Nurs Outlook 19:162-3, Mar 71
Carroll's model applied to nursing education. Wolf VC, et al. Nurs Outlook 19:176-9, Mar 71
Role-delineated and informal nurse-teaching and food selection behavior of geriatric patients. Ankenbrandt MD, et al. Nurs Res 20:61-4, Jan-Feb 71
Nurse-teaching and goal-directed nurse-teaching to motivate change in food selection behavior of hospitalized patients. Cross JE, et al. Nurs Res 20:454-8, Sep-Oct 71
Nursing intervention with the presurgical patients--the effects of structured and unstructured preoperative teaching. Van Aernam B, et al. Nurs Res 20:319-32, Jul-Aug 71
Tapes and slides for teaching. Graves J, et al. Nurs Times 67:443-6, 15 Apr 71
Audio-visual teaching in nurse education. Smith AP. Nurs Times 67:736-7, Jun 71
Student evaluations of their tutors in four schools of nursing. 1. A pilot study. Wood V. Nurs Times 67:Suppl:97-100, 24 Jun 71
Smile--you're on TV. Videotape as a teaching aid. Woodhouse R. Nurs Times 67:541-3, 6 May 71
A Trouble shared? Nurs Times 67:431, 15 Apr 71
Being and teaching. Nurs Times 67:751, 24 Jun 71
Teaching in general practice. Richards JG. NZ Med J 73:292-5, May 71
Two-way radio in continuing education: report of a pilot series of programs, 1969. I. Background and description. Wilhelm IJ. Phys Ther 51:50-3, Jan 71
Some applications of educational psychology and research to teaching family medicine. Stevens J. Proc R Soc Med 64:523, May 71
Veterinary diagnostic laboratories and their roles in teaching. Morse EV. Proc US Anim Health Assoc 73:518-9, 1969
Instructional objectives. Coyle RL. Radiol Technol 42:179-80, Nov 70
Successful teaching of radiology to medical students and interns. With emphasis on third and fourth-year programs. Freimanis AK. Radiology 97:669-80, Dec 70
A view box with a remote-control panel changer as a teaching device. Schwarz GS. Radiology 97:657-9, Dec 70
Influence of intensive workshop on teachers' sex information and attitudes toward sex education. Fretz BR, et al. Res Q Am Assoc Health Phys Educ 42:156-63, May 71
Two methods of teaching beginning swimming. Holt A, et al. Res Q Am Assoc Health Phys Educ 41:371-7, Oct 70
Science teachers: ignored in a crisis. Woodburn JH. Science 171:127-8, 15 Jan 71
Educational techniques and their evaluation. Anderson J. Scott Med J 16:110-6, Jan 71
The role of the medically qualified preclinical teacher. Davidson JN. Scott Med J 16:241-6, May 71
Self instruction versus classroom instruction. Lawrence AD. Scott Med J 16:35-8, Jan 71
The potentialities of television as a sole and as an ancillary teaching medium. MacLean R. Scott Med J 16:66-8, Jan 71
The preparation and delivery of a lecture. Nisbet S. Scott Med J 16:20-1, Jan 71
Concepts in the teaching of behavioral science. Pattishall EG Jr. Soc Sci Med 4:157-61, Jul 70
Some problems in teaching medical anthropology. Read M. Soc Sci Med 4:163-7, Jul 70
Teacher aide attitudes toward the mentally retarded. Strauch JD, et al. Train Sch Bull (Visel) 67:15-9, May 70
Lecturing. Heath GB. Vet Rec 89:256-9, 4 Sep 71
Modern teaching methodology in the training of the health team. WHO Chron 24:476-7, Oct 70
New approaches to medical teaching in Europe. WHO Chron 24:450-2, Oct 70
[Neurotic disorders and satisfaction with one's life in elementary school teachers in Pilsen] Vojáček M. Cesk Psychiatr 67:216-23, Aug 71 (Cze)
[Structure problems] Hansen OM. Ugeskr Laeger 133:678-9, 9 Apr 71 (Dan)
[Teaching of medicine and medical schools] Turcot J. Laval Med 42:597-602, Jun 71 (Fre)
[Methods and new ways for a coherent teaching, taking the demographic development into consideration] Malençon A. Rev Fr Odontostomatol 17:669-74, May 70 (Fre)
[Representation of male and female teachers by elementary school children] Voizot, et al. Rev Neuropsychiatr Infant Suppl:65-79, 1968 (Fre)
[Directions for phoniatric expert testimony for employees in pedagogic professions] Böhme G. Dtsch Gesundheitsw 26:753-5, 15 Apr 71 (Ger)
[Teaching of rehabilitation in future Europe] Houssa P. Internist (Berlin) 12:226-8, Jun 71 (Ger)
[Problems of teaching and continuing education in the rehabilitation field in the Federal Republic of Germany] Jochheim KA. Internist (Berlin) 12:228-9, Jun 71 (Ger)
[Basic texts or scripts? Modern methods of learning and teaching] Dahmer J. Munch Med Wochenschr 113:624-30, 16 Apr 71 (Ger)
[Medical and pedagogic aims in youth sports] Weiss U. Schweiz Z Sportmed 18:53-5, 1970 (Ger)
[Specific tasks of university didactics. Pedagogical dimension of the problems of research and teaching] Hardörfer L. Stud Gen (Berl) 24:610-29, 1971 (Ger)
[Silent revolution in teaching and learning] Schwarzwäller WC. Ther Ggw 110:801-2 passim, Jun 71 (Ger)
[Education and instruction] Graul EH, et al. Z Allgemeinmed 46:1608-16, 20 Nov 70 (Ger)
[Teaching and research in general medicine in England] Harris CM. Z Allgemeinmed 47:Suppl 7:49-52, 28 Feb 71 (Ger)
[Motivation for the decision to become a social teacher (Child home teacher)] Kraak B. Z Exp Angew Psychol 17:69-122, 1970 (Ger)
[The anatomy of a call. Report on the situation of university teachers today] Schulte W.* Zahnaerztl Mitt 61:783-7, 16 Aug 71 (Ger)
[Teaching oculistics to medical students] Malone M. Ann Ottalmol Clin Ocul 95:373-4, May 69 (Ita)
[Presuppositions and prospects of a reform in the teaching of medico-biolocal disciplines] Fumagalli Z. Biol Lat 22:75-88, Apr-Jun 69 (Ita)
[The television center (TVcc) for teaching of human anatomy in the University of Rome] Fumagalli Z. Biol Lat 22:161-75, Jul-Sep 69 (Ita)
[Cultural deprivation of the educator as a source of maladjustment in the formative period of pre-adolescence] Pozzi A. Minerva Pediatr 22:2262-3, 17 Nov 70 (Ita)
[Collaboration between the school physician and teachers in the so-called didactic progression of pupils in the evolutive age. Importance of auxometric findings and the correlation between physical and endocrinologic development] Barghini G, et al. Omnia Med Ther 48:147-63, Jan-Jun 70 (Ita)
[On the importance of social medicine problems within the framework of university teaching of pediatrics] Avenati A. Riv Clin Pediatr 81:1297-8, Nov-Dec 68 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Rheumatology: its education and teaching] Nava P.
Hospital (Rio de J) 78:729-44, Sep 70 (Por)
[Experience in teaching elements of higher mathematics at the Health-Hygiene Department of Kiev Medical Institute] Gabovich RD, et al.
Sov Zdravookhr 30:48-53, 1971 (Rus)
[Teaching of military-field therapy in medical institutes] Gembitskif EV, et al.
Ter Arkh 42:89-93, Jul 70 (Rus)
[Teaching of the history of medicine] Gribanov EL.
Zdravookhr Ross Fed 14:36-9, Nov 70 (Rus)
[Medical education. Principles concerning teaching methods] Perez Benitez R.
Prensa Med Mex 35:306-10, Jul-Aug 70 (Spa)
[Relations between research and academic studies in the teaching of human genetics. With an appendix on pre- and postgraduate programs in medicine] Covarrubias E. Rev Med Chil 99:186-9, Feb 71 (Spa)
[The public health infirmary and 2 paramedical sciences: sociology and pedagogics] Clavero Gónzalez G.
Rev Sanid Hig Publica (Madr) 44:1021-32, Sep 70 (Spa)
[Method for recording of micropauses in reading and possibility of its utilization] Kukura J, et al.
Bratisl Lek Listy 55:39-46, 1971 (Slo)

EDUCATION

Pretest and posttest reactions to self-viewing one's teaching performance on video tape. Salomon G, et al.
J Educ Psychol 61:280-6, Aug 70

HISTORY

Women in academic life. Kenyon KM.
J Biosoc Sci [Suppl] 2:107-18, May 70

MANPOWER

Results of a behavior modification training program for parents and teachers. Mira M.
Behav Res Ther 8:309-11, Aug 70
The role of nonprofessional persons in teaching language skills to mentally retarded children. Guess D, et al. Except Child 37:447-53, Feb 71

STANDARDS

Evaluation of teaching and teachers at the University of Kentucky. 2. Development and implementation of evaluation procedures. Packer MW, et al.
J Dent Educ 35:502-7, Aug 71
Evaluation of teaching and teachers at the University of Kentucky College of Dentistry. I. Development of evaluation criteria. Rovin S, et al.
J Dent Educ 35:496-501, Aug 71
Techniques in teaching. Ransohoff J, et al.
J Neurosurg 34:Suppl:274-82, Feb 71
Nursing students' and faculty opinion on student evaluation of teachers. Lowery BJ, et al.
Nurs Res 20:436-9, Sep-Oct 71
Techniques of teaching evaluation. Clarke M, et al.
Nurs Times 67:93-6, Jun 71
[Teaching in the department of Medicine and Surgery: a problem that has become difficult] Aloisi M.
Recent Progr Med (Roma) 46:393-412, May 69 (Ita)
[Current university teaching of medicine and biology in Italy] Dogliotti GC, et al.
Recent Progr Med (Roma) 46:305-23, Apr 69 (Ita)
[Practical educational communication] Neuman S.
Odontol Foren Tidskr 33:211-4, 1969 (Swe)

TEACHING MACHINES see under PROGRAMMED INSTRUCTION (I)

TEARS (A12)

Interferon induction in rabbit and human tears. Centifanto YM, et al.
Am J Ophthalmol 70:1006-9, Dec 70
Unusual causes of epiphora. Werb A.
Br J Ophthalmol 55:559-64, Aug 71
The vidian nerve and the sphenopalatine ganglion in relation to lacrimationin the cat. Arenson MS, et al.
Br J Pharmacol 40:584P+, Nov 70
Bloodstained tears. Siggers DC.
Br Med J 4:177, 17 Oct 70
Electrophoretic analysis of lacrimal fluid proteins and demonstration of lysozyme in normal human tears. Malik SR, et al.
J All India Ophthalmol Soc 18:108-10, Sep 70
Syndrome of crocodile tears following Bell's palsy. Balakrishnan V.
J Indian Med Assoc 55:279-80, 16 Oct 70
Tearing and smog. Potts AM.
Sight Sav Rev 40:193-5, Winter 70-71
[Lacrimation] Carta F.
Ann Ottalmol Clin Ocul 96:413-32, Aug 70 (Ita)

ANALYSIS

Tear concentrations of sodium and potassium during adaptation to contact lenses. II. Potassium observations. Miller RB. Am J Optom 47:773-9, Oct 70
Proteinase inhibitor in human tears. Kueppers F.
Biochim Biophys Acta 229:845-9, 23 Mar 71
Human tear film lipids. I. Composition of the principal non-polar component. Andrews JS.
Exp Eye Res 10:223-7, Oct 70
[Iron and copper and their transport proteins in human tears] Liotet S.
Ann Ocul (Paris) 202:629-35, Jun 69 (Fre)
[Immunoglobulin content of human tears] Kühl W.
Albrecht von Graefes Arch Klin Ophthalmol 182:76-81, 1971 (Ger)
[Electrophoresis of tears] Milkowski S, et al.
Wiad Lek 23:1725-30, 1 Oct 70 (Pol)

DRUG EFFECTS

Antagonism of aceclidine-induced tremor, analgesia, hypothermia, salivation and lacrimation by some pharmacologic agents. Chiang TS, et al.
Arch Int Pharmacodyn Ther 189:295-305, Feb 71

ENZYMOLOGY

Comparison of electrophoretic mobility of tear lysozyme in 50 subjects. Allansmith MR, et al.
Am J Ophthalmol 71:525-9, Feb 71

IMMUNOLOGY

Immunoglobulin E in human tears. Brauninger GE, et al. Am J Ophthalmol 72:558-61, Sep 71
Demonstration and characterization of antibody in tears following intranasal vaccination with inactivated type 13 rhinovirus: a preliminary report. Knopf HL, et al. Invest Ophthalmol 9:727-34, Oct 70
A simplified method for measuring human IgE. Centifanto YM, et al. J Immunol 107:606-9, Aug 71
Canine secretory immunoglobulins: identification of secretory component. Ricks J, et al.
J Immunol 105:1327-33, Dec 70
Further observations on immunoglobulins of external secretions. Bazzi C, et al.
Progr Immunobiol Stand 4:333-5, 1970
[Study of immunoglobulins in human tears] Liotet S, et al. Arch Ophtalmol (Paris) 30:799-808, Nov 70 (Fre)
[Immunoglobulins in tears. I] Bracciolini MR.
Ann Ottalmol Clin Ocul 94:490-6, May 68 (Ita)

PHYSIOLOGY

Meniscus-induced thinning of tear films. McDonald JE, et al. Am J Ophthalmol 72:139-46, 30 Jul 71
Recent advances in ocular surface chemistry. Lemp MA, et al. Am J Optom 47:669-72, Sep 70
Wetting of contact lenses. Rankin BF, et al.
Am J Optom 47:698-702, Sep 70

SECRETION

Evaluation of the Schirmer Tear Test. Pinschmidt NW.
South Med J 63:1256 passim, Nov 70
[Diagnosis and treatment of epiphora due to hypersecretion (the tear ducts being physiologically permeable)] Royer J.
Ann Ocul (Paris) 201:941-5, Sep 68 (Fre)
[Influence of preserved tissue (skin) implantation on NaCl excretion in tears] Vancea P.
Klin Monatsbl Augenheilkd 158:303, Feb 71 (Ger)
[Lacrimal secretion and its secretory potential on stimulation of adrenaline or noradrenaline in rabbit's lacrimal gland] Kikkawa T.
Folia Ophthalmol Jap 21:712-7, Oct 70 (Jap)
[Hypolacrimation and the sicca syndrome (dry eye)] Sakaguchi K.
Folia Ophthalmol Jap 22:57-61, Feb 71 (Jap)
[Treatment of epiphora] Nagashima K.
Ophthalmology (Tokyo) 12:995-1011, Dec 70 (Jap)

TECHNETIUM (D1)

New methods of organ visualization by radioisotope techniques. Höfer R. Acta Chir Belg 68:321-41, 1969
Technetium-99m sulfide colloid preparation for scintigraphy of the reticuloendothelial system. Bertil R, et al. Acta Radiol [Ther] (Stockh) 9:567-76, Dec 70
The evolution of methods for the preparation of technetium-99m sulfur colloid. Richards LP, et al.
Am J Hosp Pharm 27:827-31, Oct 70
Preparation and uses of a new 99mTc colloid. Schwenn JD. Am J Med Technol 37:223-5, Jun 71
Technetium calibration: an inherent error using scintillation crystals. Nusynowitz ML, et al.
Am J Roentgenol Radium Ther Nucl Med 112:715-9, Aug 71
Use of radioactive technetium Tc-99m in peripheral arteriography. Rao MM, et al.
Am J Surg 122:408-9, Sep 71
The technetium scintigram as an indicator of synovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Cosh JA, et al. Ann Rheum Dis 29:691, Nov 70
The technetium scintigram as an indicator of syovial vascularity in rheumatoid arthritis: its comparison with the results of temperature measurement. Osh JA, et al. Ann Rheum Dis 29:691, Nov 70
Quantitative gammagraphy of the thyroid gland with 99mTc and 131-I. A comparative study. Baptista AM, et al. Arq Patol 42:47-54, 1970
A comparative statistical analysis of brain scans using a digital computer. Dowsett DJ, et al.
Br J Radiol 43:617-28, Sep 70
A new radiopharmaceutical for lung scanning. Hawkins LA, et al. Br J Radiol 43:830, Nov 70
Muscle blood-flow studies by the technetium (99mTc) clearance technique in normal subjects and in patients with intermittent claudication. Cutajar CL, et al. Br J Surg 58:532-7, Jul 71
Detection of postoperative bronchopleural fistulas by radionuclide fog inhalation. Greyson ND, et al.
Can Med Assoc J 103:1366-8, 19 Dec 70
Scanning of the stomach with 99mTc. Mikołajków A, et al. Digestion 3:357-67, 1970
The use of zirconium sulphate in the preparation of 113mIn and 99mTc-labelled albumin macroaggregates. Chapman C, et al.
Int J Appl Radiat Isot 21:679-81, Nov 70
Notes on the preparation of technetium-99m labelled albumin. Leach KG, et al.
Int J Appl Radiat Isot 22:53-4, Jan 71
Rapid preparation of macroaggregates of 99m Tc-sulphur and human serum albumin. Neill GD.
Int J Appl Radiat Isot 22:42-4, Jan 71
A new method for blood volume estimation using 99m Technetium labelled erythrocytes. Tawfic HN, et al.
J Egypt Med Assoc 53:29-33, 1970
Technetium-99m pertechnetate disappearance studies in normal and psoriatic skin. DiLorenzo PA, et al.
J Invest Dermatol 56:39-43, Jan 71
The 99mTc labeling of erythrocytes. Anghileri LJ, et al.
J Nucl Med 11:530-3, Sep 70
Semiautomated laboratory production of 99mTc-albumin. Benjamin PP, et al.
J Nucl Med 12:325-6, Jun 71
Reducing particle size in 99mTc-sulfur colloid preparations. Cohen MB, et al.
J Nucl Med 11:767-8, Dec 70
Improved binding and stability of 99mTc-iron hydroxide macroaggregates. Darter EL, et al.
J Nucl Med 12:632-4, Sep 71
Technetium-labeled red blood cells. Eckelman W, et al.
J Nucl Med 12:22-4, Jan 71
Visualization of the human spleen with 99mTc-labeled red blood cells. Eckelman W, et al.
J Nucl Med 12:310-1, Jun 71
Instant 99mTc-DTPA. Eckelman W, et al.
J Nucl Med 11:761, Dec 70
Potassium iodide block of choroid plexus visualization in technetium brain scans. Fayen WJ.
J Nucl Med 12:98, Feb 71
99mTc brain scanning in herpes virus type I encephalitis. Halpern SE, et al.
J Nucl Med 11:548-50, Sep 70
Physical and biological properties of a 99mTc-sulfur colloid preparation containing disodium edetate. Haney TA, et al. J Nucl Med 12:64-8, Feb 71
Instant labeling of macro- and microaggregated albumin with 99mTc. Honda T, et al.
J Nucl Med 11:580-5, Oct 70
Use of Fe(II) or Sn(II) alone for technetium labeling of albumin. Lin MS, et al. J Nucl Med 12:204-11, May 71
Ionic aluminum (3) in generator eluate as an erythrocyte-agglutinating agent. Lin MS, et al.
J Nucl Med 12:297-9, Jun 71
Effect of radionuclide contamination on the calibration of 99Mo. Lorenz E, et al. J Nucl Med 12:141-2, Mar 71
An improved method for visualizing carotid blood flow in the neck. Moody D, et al. J Nucl Med 12:520-2, Jul 71
Improvement in labeling erythrocytes with 99mTc-pertechnetate. Schwartz KD, et al.
J Nucl Med 12:323-5, Jun 71
99mTc-pertechnetate for measuring thyroid suppressibility. Shimmins J, et al.
J Nucl Med 12:51-4, Feb 71
Estimation of functional size of the spleen. Spencer RP.
J Nucl Med 11:616, Oct 70
Technical difficulties in labeling erythrocytes with 99mTc: identification of agglutinating substance. Weinstein MB, et al. J Nucl Med 12:183-5, Apr 71
99m Tc pertechnetate for detection of cryptic thyroid tissue in childhood hypothyroidism. Hayek A, et al.
J Pediatr 79:466-8, Sep 71
Interval brain scanning with sodium pertechnetate Tc 99m for tumor detectability. Gates GF, et al.
JAMA 215:85-8, 4 Jan 71
Radionuclide angiocardiography in cyanotic congenital heart disease. Hurley PJ, et al.
Johns Hopkins Med J 127:46-54, Jul 70
Blood-pool imaging of the placenta with short-lived radioisotopes. 113m Indium-gelatin Vs 131 RISA and 99m technetium-albumin. Sharf M, et al.
Obstet Gynecol 38:217-20, Aug 71
An attempt to use 99mTc for scintiscanning of salivary glands. Chomicki OA, et al. Pol Med J 9:1062-6, 1970
99mmTc-iron hydroxide macroaggregates (99mTc-FHMA): stability studies. Davis MA.
Radiology 98:448-9, Feb 71

99mTc sulfur colloid macroaggregates. A new lung-scanning agent. Ficken V, et al. Radiology 97:289-95, Nov 70
Detection of carotid artery obstruction by intravenous radionuclide angiography. Griep RJ, et al. Radiology 97:311-6, Nov 70
Lung scanning with 99mTc-microspheres. Rhodes BA, et al. Radiology 99:613-21, Jun 71
Clinical comparison of two 99mTc tracers for brain scanning: pertechnetate vs. labeled albumin. Schall GL, et al. Radiology 99:361-8, May 71
Advantages of 99mTc pertechnetate for thyroid scanning in patients with decreased radioiodine uptake. Strauss HW, et al. Radiology 97:307-10, Nov 70
A new complex of 99mTc for skeletal imaging. Subramanian G, et al. Radiology 99:192-6, Apr 71
A milking system for the preparation of technetium-99m labelled tyrosine. el-Garhy M, et al. Strahlentherapie 139:713-5, Jun 70
99m Tc-labelled serum albumin in cardiac output and blood volume studies. Williams MJ, et al. Thorax 26:460-5, Jul 71
Current status of radiosialography in tumor diagnosis. Gates GA.
Trans Am Acad Ophthalmol Otolaryngol 74:1183-95, Nov-Dec 70
Color enhancement of brain and orbital scans in proptosis. Kramer SG, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1240-8, Nov-Dec 70
[Preparation and clinical use of 99mTc-technetium sulfur colloid for hepatic scintigraphy] Becquevort PA. Acta Gastroenterol Belg 32:829-39, Nov 69 (Fre)
[Comparison of technetium 99m and iodine 131 in thyroid scanning] Massin JP, et al.
Ann Endocrinol (Paris) 31:962-8, Sep-Oct 70 (Fre)
[Neohydrin Hg 203 and Technetium 99m in the diagnosis of intracranial expansive processes] Frigeni G, et al. Neurochirurgie 16:438-46, Sep-Oct 70 (Fre)
[Cerebral angioscintigraphy with 99m-Technetium] Akerman M, et al.
Rev Neurol (Paris) 122:343-55, May 70 (Fre)
[The value of arthroscintigraphy with intravenous technetium 99m Tc in the study of inflammatory processes] Delbarre F, et al.
Rev Rhum Mal Osteoartic 38:91-8, Feb 71 (Fre)
[Tc 99m-albumin for scintigraphy of the placenta. A new tagging procedure and its clinical trial] Hennig K, et al. Radiol Diagn (Berl) 10:697-703, 1969 (Ger)
[1st results of nuclear medical respiratory function diagnosis] Riccabona G, et al.
Wien Klin Wochenschr 82:765-9, 18 Oct 70 (Ger)
[Scintigraphy of joints with Tc99m-pertechnetate] Goebel R, et al.
Z Rheumaforsch 29:75-84, Mar-Apr 70 (Ger)
[Cerebral scintigraphy with radiotechnetium (Tc99m)] Carteri A, et al.
Acta Isot (Padova) 7:341-53, 30 Dec 67 (Ita)
[The pinhole scanning gamma-camera and Tc99m-pertechnectate in the study of the normal thyroid gland] Pavoni P, et al.
Acta Isot (Padova) 10:139-47, 15 Dec 69 (Ita)
[Possibility of the use of sulfur-colloid macroaggreaates of of albumin labelled with radiotechnechnetium (99mTc-S + MAA) in lung scintiphotographic examination] Cabassa N, et al.
Fracastoro 63:101-7, Mar-Apr 70 (Ita)
[Synthesis of radiotechnetium labelled protein aggregates with lung tropism] Cabassa N, et al.
Fracastoro 63:93-100, Mar-Apr 70 (Ita)
[Penetration of ultrasonic aqueous mist into the bronchial tree. A study by means or radiotechnetium] Marabini A, et al.
Fracastoro 63:463-76, May-Aug 70 (Ita)
[Liver scintigraphy in Hodgkin's disease] Ascari E, et al. Minerva Med 61:5652-8, 8 Dec 70 (Ita)
[Liver scanning in Hodgkin's disease] Ascari E, et al.
Minerva Med 61:5652-8, 8 Dec 70 (Ita)
[Advantages and limits in the use of technetium 99m as a tracer in cerebral scintigraphy in neurosurgery] Paoletti P. Minerva Neurochir 13:146-57, 1969 (Ita)
[Color scanning of the liver and the spleen with colloidal Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 21:895-907, 19 May 69 (Ita)
[Cerebral scintigraphy using Tc99m in the diagnosis of extensive subtentorial lesions by means of oblique postero-anterior projection] Bozzao L, et al.
Nucl Radiol 35:117-26, Feb 69 (Ita)
[Use of Tc99m in cerebral scintigraphy] Cavallo V, et al.
Nucl Radiol Suppl 1:3-20, 1968 (Ita)
[Results of 99mTc pertechnetate scanning in intracranial neoplastic and non-neoplastic lesions] Watanabe K, et al.
Nippon Acta Radiol 30:555-65, Sep 70 (Jap)
[Scintigram of brain tumors with 99m Tc] Watanabe K, et al. Rinsho Hoshasen 15:887-96, Dec 70 (Jap)

ADMINISTRATION & DOSAGE

Immunofluorescent tests in the course of 99m Tc scintiscanning procedures in children and adolescents. Jeske W, et al.
Nucl Med (Stuttg) 10:146-9, 1971
99mTc-sulfur colloid losses in a disposable syringe. Freedman GS. Radiology 99:197-8, Apr 71

ANALYSIS

Determination of free 99mTc in labeled compounds by means of thin layer chromatography. Mitta AE, et al. Int J Appl Radiat Isot 22:223-5, Mar 71
Chemical state of 99mTc in biomedical products. Eckelman W, et al. J Nucl Med 12:596-600, Sep 71
A simplified radiochromatographic purity check. Gutkowski RF, et al. J Nucl Med 12:513-5, Jul 71

CHEMICAL SYNTHESIS

99mTc-technetium dioxide for liver scanning. Johnson AE, et al. J Nucl Med 11:564-5, Sep 70
Evaluation of 99mTc-DTPA prepared by three different methods. Atkins HL, et al.
Radiology 98:674-7, Mar 71

DIAGNOSTIC USE

Avoiding false-positive joint scans by the use of labeled albumins. Cohen MB, et al.
Arthritis Rheum 14:32-3 passim, Jan-Feb 71
Radioisotopic angiocardiography. Wide scope of applicability in diagnosis and evaluation of therapy in diseases of the heart and great vessels. Kriss JP, et al. Circulation 43:792-808, Jun 71
99m Tc sulfur colloid absorbed on ferric hydroxide macroaggregates for lung perfusion imaging. Huberty JP. Int J Appl Radiat Isot 22:425-7, Jul 71
Thyroid metastases diagnosed by 99m Tc scanning. A case report. Wiener SN, et al.
J Can Assoc Radiol 21:190-1, Sep 70
Evaluation of 99mTc-DTPA acid as a brain scanning agent. Brookeman VA, et al.
J Nucl Med 11:733-8, Dec 70
99mTc-human albumin microspheres (HAM) for lung imaging. Burdine JA, et al.
J Nucl Med 12:127-30, Mar 71
Early visualization of 99mTc-pertechnetate in metastatic thyroid cancer in a patient with Graves' disease. Carr HA, et al. J Nucl Med 12:40-2, Jan 71
Is it the blood background? Chandra R, et al.
J Nucl Med 12:650-2, Sep 71
Liver and lung scintiphotos for the detection of subdiaphragmatic abscess--an easy technique. Gallamore GD. J Nucl Med 12:144-5, Mar 71
Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism. Isawa T, et al.
J Nucl Med 12:606-9, Sep 71
Radioisotopic angiocardiography: findings in mitral stenosis and mitral insufficiency. Matin P, et al.
J Nucl Med 11:723-30, Dec 70
Usefulness and reliability of short-lived radionuclides for cardiac output determination. Myers JH, et al.
J Nucl Med 12:591-5, Sep 71
Thyroid nodule scans made with pertechnetate and iodine may give inconsistent results. Usher MS, et al.
J Nucl Med 12:136-7, Mar 71
Full-size scintiphotography in pericardial effusion diagnosis. Wilcox FW, et al.
J Nucl Med 12:134-5, Mar 71
A critical evaluation of 99mTc-Fe-ascorbic acid complex as a renal scanning agent. Winston MA, et al.
J Nucl Med 12:171-5, Apr 71
A new rapid technique for the lodalization of abnormalities in migration of the thyroid gland. Ashkar FS, et al. J Pediatr 78:870-3, May 71
Rapid imaging of sequential isotope distributions. Wetzel RA. Va Med Mon 98:67-73, Feb 71
[The localisation of placenta by gamma camera] Vaalamo P, et al. Duodecim 86:1100-3, 1970 (Fin)
[Cerebral scintigraphy with technetium 99m in children. Apropos of 200 cases] Kaiffer M, et al.
Arch Fr Pediatr 28:487-503, May 71 (Fre)
[Renal and cerebral scintigraphy with the aid of a technetium 99 M-iron-ascorbic acid complex] Robillard J, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:385-8, May 69 (Fre)
[Intracranial exploration using Technetium 99. Preliminary results] Robert J, et al.
Neurochirurgie 15:379-88, Sep-Oct 69 (Fre)
[Comparison of the characteristics of 99m-Tc-pertechnetate and 113m-In-EDTA in brain scintigraphy] Kuba J, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:806-13, Jun 70 (Ger)
[Brain scanning in cerebro-vascular diseases (with special regard to rapid sequence scanning)] Petersen F, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:445-57, Apr 71 (Ger)
[Contribution to the interpretation of liver scintigraphic finding using 99mTc-sulfur-colloid] Zita G, et al.
Munch Med Wochenschr 113:581-2, 9 Apr 71 (Ger)
[Tc99m-gelatin--a radiodrug for liver scintigraphy] Pollähne W, et al.
Radiobiol Radiother (Berl) 11:541-5, 1970 (Ger)
[New colloidal Tc99m compounds for radioisotope scintigraphy] Tarasov NF, et al.
Radiobiol Radiother (Berl) 11:861-3, 1970 (Ger)
[Silicosis and pulmonary scintigraphy] Jucker A.
Radiol Clin Biol 39:240-6, 1970 (Ger)
[Modern methods of radiological studies in gastric pathology. Arteriography of the celiac tripod and scintiscanning with technetium pertechnetate] Lenarduzzi G. Minerva Med 61:3572-3, 29 Aug 70 (Ita)
[Early experiences of isotope cisternography and ventriculography in neurosurgical patients] Frigeni G, et al. Minerva Neurochir 14:215-24, Apr-Sep 70 (Ita)
[Scintiscanning of the thyroid with Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 23:501-6, 24 Mar 71 (Ita)
[Importance of hepato-splenic scintiscanning with Tc99m and In113m in pediatric pathology] Mussa GC, et al. Minerva Pediatr 22:919-32, 15 May 70 (Ita)
[Scintigraphy with infusion of pertechnetate-Tc99m] Scopinaro G, et al.
Minerva Radiol 15:179-86, Jul-Aug 70 (Ita)
[Possibilities, limitations and indications of scintiscanning with radiotechnetium in the study of gastric carcinoma] Di Maggio C, et al.
Quad Radiol 35:279-302, 26 Oct 69 (Ita)
[Synthesis of a new radioactive sulfocolloid-Tc 99m compound for visualization of organs with colloidopexic activity] Franchi R, et al.
Radiobiol Radioter Fis Med 24:353-68, Nov-Dec 69 (Ita)
[Liver scintigram. 3. Comparison between 99mTc and 198Au] Rinsho Hoshasen 16:601-2, Jul 71 (Jap)
[Results of thyroid scintigraphy with technetium-99m in children and adolescents] Górowski T, et al.
Pol Tyg Lek 25:1527-30, 12 Oct 70 (Pol)

METABOLISM

Tc-99m in the study of systemic inflammatory activity in rheumatoid arthritis. A preliminary report. Oka M, et al. Acta Rheumatol Scand 17:27-30, 1971
Technetium-99m in the study of rheumatic joints. Oka M, et al. Acta Rheumatol Scand 16:271-9, 1970
Handling of iodide, chloride, and pertechnetate by salivary glands and the thyroid gland in man. Walker JE, et al. Ala J Med Sci 7:323-7, Jul 70
Thyroidal pertechnetate uptake in Hashimoto's disease. Hauser W, et al.
Am J Roentgenol Radium Ther Nucl Med 112:720-5, Aug 71
Radioisotope study of small joint inflammation in rheumatoid arthritis. Collins KE, et al.
Ann Rheum Dis 30:401-5, Jul 71
Isotope studies in normal and diseased knee joints: 99mTc uptake related to clinical assessment and to synovial perfusion measured by the 133Xe clearance technique. Dick WC, et al. Clin Sci 40:327-36, Apr 71
A comparison between the uptake of technetium-99m and iodine-131 by the thyroid gland. McGill PE, et al.
J Endocrinol 49:531-6, Mar 71
Diagnostic significance of the relative uptake of liver compared with spleen in 99mTc-sulfur colloid scintiphotography. Bekerman C, et al.
J Nucl Med 12:237-40, May 71
The effect of potassium perchlorate on the uptake of 99mTc-pertechnetate in choroid plexus papillomas: a report of two cases. Fagan JA, et al.
J Nucl Med 12:312-4, Jun 71
Visualization of gastric mucosa on 99mTc-sulfur colloid liver-spleen scans: a puzzling artifact. Samuels LD.
J Nucl Med 12:271-2, May 71
Factors affecting distribution of technetium-sulfur colloid. Atkins HL, et al.
J Reticuloendothel Soc 8:176-84, Aug 70
Anion transport from the canine synovial cavity. Deodhar SD, et al.
Nature [New Biol] 231:61-3, 12 May 71
The site of accumulation of 99mTc-sodium pertechnetate in brain tumors. Baum S.
Radiology 99:153-5, Apr 71
[Progressive measurements of technetium 99m deposition in brain tumors with regard to its diagnostic value] Hirschbiegel H, et al.
Strahlentherapie 140:499-507, Nov 70 (Ger)
[Role of plankton in the behavior of Tc99 and Mn54 in seawater] Tikhomirov VN, et al.
Doki Akad Nauk SSSR 194:445-7, 1970 (Rus)

SECRETION

Sex differences in human parotid salivary secretion of iodide, pertechnetate and bromide. Lazarus JH, et al.
Arch Oral Biol 16:225-31, Feb 71

STANDARDS

95Zr and 124Sb in 99Mo-99mTc generators. Wood DK, et al. J Nucl Med 12:307-9, Jun 71

TOXICITY

Duration of radioactivity in the milk of a nursing mother following 99mTc administration. Vagenakis AG, et al. J Nucl Med 12:188, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TECHNOLOGY (J)

Priority setting for R&D at the national level. De Hemptinne Y, et al. Acta Cient Venez 21:165-79, 1970
Compassion and competence. Hubbard WN Jr. Ala J Med Sci 7:251-5, Jul 70
The place of ergonomics in science and industry. Dukes-Dobos FN. Am Ind Hyg Assoc J 31:565-71, Sep-Oct 70
Impact of automation and technological change on employability of the mentallyretarded. Nixon RA. Am J Ment Defic 75:152-5, Sep 70
Disease and technology. Br Med J 2:356, 15 May 71
The new ecology. Gaboury EJ. Can J Public Health 61:425-9, Sep-Oct 70
Living with technology. Priorities in action. Walker P. Chem Br 7:230-1, Jun 71
The Paul principle: when technology outgrows the man. Armer P. Geriatrics 25:29-30 passim, Dec 70
Aerospace technology for health care use. Richards JT Jr. Hosp Manage 110:28-33, Sep 70
Implications of technological developments on the dairy industry. Roberts WM. J Dairy Sci 54:596-600, Apr 71
Changing technology in the coal industry--industrial hygiene needs. Tebbens BD. J Occup Med 12:515-9, Dec 70
Man made environments. Dubos R. J Sch Health 41:339-43, Sep 71
We must find the answers. JAMA 214:2327-8, 28 Dec 70
Climate and technology. Lancet 2:417, 21 Aug 71
A.M.I. Presidential Address, 1968. Demarest RJ. Med Art 19:21-2, 1970
The sociology of technology. Nature (Lond) 228:1136, 19 Dec 70
Recent developments in laser technology of interest to the practitioner. Goldman L. Ohio State Med J 66:905-8, Sep 70
The change to a technological society. Stapleton T. Pediatrics 47:Suppl 2:314-9, Jan 71
The role of industry in national science policy. The people's welfare: health and medicine. Tishler M. Perspect Biol Med 13:528-36, Summer 70
The specters of technicism. Daly RW. Psychiatry 33:417-32, Nov 70
The flow of energy in an industrial society. Cook EL. Sci Am 225:135-42 passim, Sep 71
Science policy: Daddario panel urges new study, changes in OST. Carter LJ. Science 170:612-4, 6 Nov 70
[Human being in the technology century] Gilgen A. Bull Schweiz Akad Med Wiss 26:331-7, Jan 71 (Ger)
[Economy and technocraty] Kade G. Stud Gen (Berl) 23:1197-205, 23 Dec 70 (Ger)
[The relation to practice in research. Early studies for the theoretical basis of science policy] Radnitzky G. Stud Gen (Berl) 23:817-55, 17 Sep 70 (Ger)
[Social position of woman in modern industrial society] Stamm H. Ther Ggw 109:1385-6 passim, Oct 70 (Ger)
[Modern occupational diseases] Lachnit V. Wien Med Wochenschr 120:620-5, 12 Sep 70 (Ger)
[Problems of aging and the aged in the scientific-technical revolution (WTR)] Eitner S. Z Alternsforsch 23:1-12, 1970 (Ger)
[Technology and dust control] Bommert R. Z Gesamte Hyg 16:515-9, Jul 70 (Ger)
[Unity of production and hygiene] Burckhardt A. Z Gesamte Hyg 14:797-803, Nov 68 (Ger)
[Laboratory of Technology and Study of Cosmic Ratiations (TE. S. A/Brini D: [Laboratory of Technology and Study of Cosmic Ratiations (TE.S.R.E.), Bologna] Brini D. Ric Sci 40:289-71, Jul-Aug 70 (Ita)
[Research on the Economical, Political and Social Structure of Liguria in Modern Times, Genoa] Cataluccio F. Ric Sci 40:328-9, Jul-Aug 70 (Ita)
[Center for Technological Research on Ceramics, Faenza] Emiliani T. Ric Sci 40:335-6, Jul-Aug 70 (Ita)
[Central Institute for the Industrialization and Building Technology (I.C.I.T.E.), San Giuliano Milanese] Manfredi M. Ric Sci 40:330-2, Jul-Aug 70 (Ita)
[Institute for the Applications of Calculation (IAC), Rome] Stampacchia G. Ric Sci 40:267-8, Jul-Aug 70 (Ita)

HISTORY

Vanished industries in Dublin. Dixon FE. Trans Soc Occup Med 21:61-4, Apr 71
[Center for the History of Technology in Italy, Genoa] Maccagni C. Ric Sci 40:327, Jul-Aug 70 (Ita)

TECHNOLOGY, DENTAL (E6, G2, J)

Dentist-laboratory communications. Armstrong SR 3d. Dent Clin North Am 15:577-85, Jul 71
Helpful hints for laboratory design. DeStefanis MP. Dent Clin North Am 15:679-84, Jul 71
Indirect temporary restorations. Fisher DW, et al. J Am Dent Assoc 82:160-3, Jan 71
Fabrication of an abturator on immediate dentures: report of a case. Sommerfeld RM SCHWEIGER. J Am Dent Assoc 82:164-7, Jan 71
Laboratory industry moves for unification. J Am Dent Assoc 82:1005-6, May 71
Dental laboratories accredited by JCADL. J Am Dent Assoc 82:1423-9, Jun 71
Dentists and laboratory owners confer in Chicago. Klein IE. NY J Dent 41:256-8, Aug-Sep 71
Laboratory testing of dental amalgams. Rantanen AV. Scand J Dent Res 78:77-82, 1970
[Comparative studies of various polymerization methods with specific reference to hydro-pneumatic heat polymerization] Marx H. Dtsch Zahnaerztl Z 25:929-35, Sep 70 (Ger)
[Anatomical-functional changes in the field of dentistry] Cavallaro I, et al. Dent Cadmos 38:1695-701, Nov 70 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis, using the newest technics. VII] Melica VM. Dent Cadmos 37:1409-25, Oct 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis, using the newest technics. 8] Melica VM. Dent Cadmos 37:1543-65, Nov 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis, using the newest technics. VI] Melica VM. Dent Cadmos 37:1249-66, Sep 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis, using the newest technics. IX] Melica VM. Dent Cadmos 37:1703-19 contd, Dec 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis, using the newest technics. IV] Melica VM. Dent Cadmos 37:951-72, Jul 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis using the newest technics. II.] Melica VM. Dent Cadmos 37:677-97, May 69 (Ita)
[Schreinemakers' technic. From theory to the finished prosthesis using the newest technics. I.] Melica VM. Dent Cadmos 37:479-517, Apr 69 (Ita)

EDUCATION

Programmed self instruction of dental techniques: a pilot study. Weiss MB, et al. J Dent Educ 35:455-62, Jul 71

INSTRUMENTATION

[Electrognathography. Electronic 3-dimensional measurement and registration of jaw movements. 2] Bewersdorff HJ. Scand J Dent Res 78:83-115, 1970 (Ger)

STANDARDS

Dental technicians in South Wales. A survey of educational status and attitudes. Somes NT. Br Dent J 130:407-9, 4 May 71

TECHNOLOGY, MEDICAL (E5, G2, J)

Attitudes, self-concepts, and the student in medical technology. Karni KR, et al. Am J Med Technol 36:491-507, Oct 70
Preservation of urine sediments on slides. Zabor L. Am J Med Technol 36:544-5, Nov 70
The medicine machine versus today's superspecialist--a study in anachronization. Lesse S. Am J Psychother 24:377-9, Jul 70
Present and future trends of information retrieval. Coblans H. Ann Ist Super Sanita 6:125-37, 1970
Canadian Society of Laboratory Technologists. New members and certified members registered in 1970. Can J Med Technol 32:225-39, Dec 70
Pressures for change. The scientific pressures. Laufman H. Hospitals 45:47-50, 1 Feb 71
Constraints in development. Phillips DF. Hospitals 45:53-7, 16 Jun 71
Technical development of conservative myomectomy. Coutifaris B. Int Surg 55:204-9, Mar 71
Recent developments in laser technology of interest to the practitioner. Application of laser techniques to medicine must await advances in allied disciplines. Goldman L. RI Med J 54:153-6, Mar 71
[Some galenic procedures used in the substitution therapy with Lactobacillus acidophilus] Gumma A, et al. Pharm Acta Helv 46:278-89, May 71 (Fre)
[New constructions and technology in orthopedic technics] Wellmitz G. Beitr Orthop Traumatol 18:56-60, 1971 (Ger)
[Medical technology exhibition] Dittmar HA. Dtsch Med J 21:1133-6, Sep 70 (Ger)
[London was worth a trip] Irnich W. Elektromed Biomed Tech 15:236-41, Nov 70 (Ger)
[Reagent bottles of plastic] Trutnovsky H. Med Lab (Stuttg) 24:143-5, Jun 71 (Ger)
[Problems of specialization. Limitation or widening of the scope?] Fellinger K. Pneumonologie 143:93-100, 1970 (Ger)
[Quality control of blood coagulation tests] Fujimaki M, et al. Jap J Clin Pathol 18:Suppl:37-44, 1970 (Jap)
[Quality control of serological tests, with special reference to syphilis serodiagnosis] Fukuoka Y. Jap J Clin Pathol 18:Suppl:45-60, 1970 (Jap)
[Quality control of general laboratory examinations, with special reference to urine analysis] Igari J, et al. Jap J Clin Pathol 18:Suppl:9-16, 1970 (Jap)
[Quality control of morphological tests of the blood cells] Ito M. Jap J Clin Pathol 18:Suppl:27-36, 1970 (Jap)
[Statistics essential to the quality control program] Kawai T. Jap J Clin Pathol 18:Suppl:2-8, 1970 (Jap)
[Importance of the quality control program] Kosakai N. Jap J Clin Pathol 18:Suppl:1, 1970 (Jap)
[Quality control of blood grouping tests] Kuniyuki M. Jap J Clin Pathol 18:Suppl:70-83, 1970 (Jap)
[Quality control of blood cell counts] Niitani K. Jap J Clin Pathol 18:Suppl:17-26, 1970 (Jap)
[Basic problems in colorimetry] Niwa M. Jap J Clin Pathol 18:Suppl:95-103, 1970 (Jap)
[Quality control of enzymatic analysis] Oba Y, et al. Jap J Clin Pathol 18:Suppl:84-94, 1970 (Jap)
[Quality control of serological reactions] Suzuta T. Jap J Clin Pathol 18:Suppl:61-9, 1970 (Jap)
[Significance of medical commodities in pharmaceutical education] Matsiak OS. Farm Zh 25:93-4, 1970 (Ukr)

EDUCATION

Michigan State University's Four Year Baccalaureate Degree Program in Medical Technology. Brown EM. Am J Med Technol 37:102-5, Mar 71
Education--an incident or an experience. Cicarelli SM. Am J Med Technol 37:106-8, Mar 71
The overhead projector and overhead transparencies--a useful teaching technique. Feeley MA. Am J Med Technol 37:205-6, May 71
An open letter to the new graduate. Fryer MA. Am J Med Technol 37:254-7, Jun 71
Development of a retraining course in medical technology. Kling DR. Am J Med Technol 37:115-7, Mar 71
On education. Levine HG. Am J Med Technol 36:400, Aug 70
Education for upward career mobility for laboratory personnel. Love RL. Am J Med Technol 37:111-4, Mar 71
Masters Program in Medical Technology Wayne State University School of Medicine. Skinner DM. Am J Med Technol 37:109-10, Mar 71
The clinical case study: a tool in medical technology education. Stewart MM. Am J Med Technol 36:530-3, Nov 70
Overseas tutor scheme in medical laboratory technology. Hill KR. Br J Med Educ 4:168, Jun 70
Career ladders are effective. Moore D. Hospitals 45:58-61, 16 Aug 71
A report on educational programs in biophotography sponsored by the Biological Photographic Association. Brooks PW. J Biol Photogr Assoc 38:179-82, Oct 70
A statement on the internship program in the biomedical photography curriculum. Trauger JF. J Biol Photogr Assoc 38:183-4, Oct 70
The community hospital and job training. Griboff SI, et al. Med Times 98:116-8, Sep 70
Hospitals use new technology of training to teach new technology of care. Med Hosp 117:83-5, Jul 71
Technicians in research and teaching laboratories: a review and survey of training and qualifications. Lowry GF. NZ Med J 73:360-4, Jun 71
[Comments on the article: The Female Medical Technician-Assistant in the European Common Market] Oldenburg M. Med Lab (Stuttg) 23:289-92, Dec 70 (Ger)
[The training of laboratory assistants] Orv Hetil 112:651-4, Mar 71 (Hun)

HISTORY

[Medicine and technology, medical technology] Kuhlendahl H. Elektromed Biomed Tech 15:44-6, Mar 70 (Ger)
[Between 2 5-year plans] Gusenkov PV. Antibiotiki 16:195-7, Mar 71 (Rus)

INSTRUMENTATION

A foot-operated laboratory counter. Lam-Po-Tang PR, et al. Am J Clin Pathol 56:111-6, Jul 71
A modified nylon bridge for a closed blood culture system. Freake R, et al. Am J Med Technol 37:221-2, Jun 71
Intermittent occlusion system. Timm GW, et al. IEEE Trans Biomed Eng 17:352, Oct 70
[Working place for the pouring out of numerous paraffin blocks] Trinkler H, et al. Med Lab (Stuttg) 24:18-20, Jan 71 (Ger)
[Preliminary technical prerequisites for the study of insulin secretion on isolated islands of Langerhans in vitro] Hahn HJ, et al. Z Med Labortech 12:127-31, 1971 (Ger)

MANPOWER

Identification of aptitude criteria for medical technology. Elberfeld S, et al. Am J Med Technol 36:388-99, Aug 70
[Future of laboratory technicians] Rosenbusch CA. Med Lab (Stuttg) 23:162-4, Jul 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Discussion on the future education of medical-technical assistants] Gärtner H, et al. Oeff Gesundheitswes 33:237-44, Apr 71 (Ger)

STANDARDS

[Scientific and technical progress and ways to increase the effectiveness of laooratory service in therapeutic and preventive institutions] Men'shikov VV. Lab Delo 9:515-9, 1970 (Rus)

TECHNOLOGY, PHARMACEUTICAL

(E5)

see also related
DRUG INDUSTRY (J)

Cutter for membrane filters used in sterility testing. Russell EC, et al. Appl Microbiol 21:1110-1, Jun 71
The batch production of L-asparaginase from Erwinia carotovora. Buck PW, et al.
J Gen Microbiol 65:i, Mar 71
Experimental continuous culture production of the enzyme L-asparaginase by Erwinia carotovora. Callow DS, et al. J Gen Microbiol 65:ii, Mar 71
The problems of large scale extraction and purification of microbial enzymes. Dunnill P, et al.
J Gen Microbiol 65:ix, Mar 71
Large-scale production and purification of a penicillinase from Escherichia coli. Melling J, et al.
J Gen Microbiol 65:iv, Mar 71
Production of Bacillus stearothermophilus NCA 1503 for glyceraldehyde-3-phosphate dehydrogenase (GPDH). Sargeant K, et al.
J Gen Microbiol 65:3-4, Mar 71
The effect of particle shape on the variation of fill of a tabletting die. Ridgway K, et al.
J Pharm Pharmacol Suppl:24S+, Dec 70
The effects of moisture on the flow properties and compression of phenacetin, paracetamol and dextrose monohydrate. Armstrong NA, et al.
Pharm Acta Helv 45:692-700, Nov 70
The characterisation of the form of lactose in spray dried lactose. Fell JT, et al.
Pharm Acta Helv 45:520-2, Aug 70
Compression of pharmaceuticals. II. Registration and determination of force-displacement curves, using a small digital computer. De Blaey CJ, et al.
Pharm Weekbl 106:57-65, 19 Feb 71
[Progress in drug technology in the years 1968 and 1969] Chalabala M, et al.
Cesk Farm 19:332-40, Nov 70 (999 ref.) (Cze)
[Radiopharmaceutic and agents various problems on their compounding] Kysselt M.
Cesk Farm 19:264-7, Sep 70 (Cze)
[A pharmacist, head of a tablet-making department, faces his problems] Raymond JC.
Farmaco [Prat] 26:73-94, Feb 71 (Fre)
[3 years of control of bacteriologic sterility of drugs (bacteria and microscopic fungi)] Desbordes J, et al.
J Pharm Belg 25:357-66, Sep-Oct 70 (Fre)
[Heat sterilization of sulfonamide solutions] Martin F, et al. J Pharm Belg 25:317-29, Jul-Aug 70 (Fre)
[Concepts of the therapeutic quality of raw materials] Roland M. J Pharm Belg 25:439-67, Nov-Dec 70 (Fre)
[The microbial contamination of dosage forms and raw materials] Wanandi B, et al.
Pharm Acta Helv 45:501-12, Aug 70 (Ger)
[Evaporation in a distillation apparatus as an effective method for preparation of germ-free aqua in a pharmacy] Meyer R. Pharm Prax 5:116-7, May 71 (Ger)
[Utility of a vibrator in particle reduction for preparation of ophthalmic ointments] Quellmalz K, et al. Pharm Prax 5:113-5, May 71 (Ger)
[Preparation of sterile ointment-pads in pharmacy] Schadow W. Pharm Prax 7:157-8, 1970 (Ger)
[Bulgarian research works on ointment bases and ointments. Review] Draganova L, et al.
Pharmazie 25:514-6, Sep 70 (70 ref.) (Ger)
[Programming of production in relation to that of sales and supplies. I] Bellentani L.
Boll Chim Farm 109:180-96, Mar 70 (Ita)
[Procedures and apparates for selection of intermediates and recommendation of used methods] Germano A, et al.
Boll Chim Farm 109:568-88, Oct 70 (Ita)
[Automatic method for the determination of erythromycin in fermentation broths] Saccani F, et al.
Boll Chim Farm 109:385-7, Jun 70 (Ita)
[Automatic method in the determination of cycloserine in fermentation broths] Saccani F, et al.
Boll Chim Farm 109:388-90, Jun 70 (Ita)
[Use of rheology in pharmaceutical technology] Calcinari R. Farmaco [Prat] 25:403-22, Jul 70 (Ita)
[Control of microbial contamination in oral and topical pharmaceutical preparations by membrane filtration method] Coppi G, et al.
Farmaco [Prat] 26:224-9, Apr 71 (Ita)
[Capsules at the filling and sealing stage] Gallet MM.
Farmaco [Prat] 26:251-68, May 71 (Ita)
[Technological control of pharmaceutical forms] Mecarelli E. Farmaco [Prat] 25:337-71, Jun 70 (Ita)
[Technologic research on pharmaceutical preparations] Rigamonti S.
Farmaco [Prat] 25:597-615, Oct 70 (Ita)
[Wood flour as an auxiliary substance for tablet forming. 3. Studies on applicability of wood flour in tablet forming without granulation] Kolarski K, et al.
Acta Pol Pharm 27:593-7, 1970 (Pol)
[Preparation of 5 per cent solution of bromsulphalein] Alekseev AM, et al.
Farmatsiia 19:60-1, Jul-Aug 70 (Rus)
[Work of the Chitin regional control and analytical laboratory] Khabarov AA.
Farmatsiia 17:61-3, Jul-Aug 68 (Rus)
[Development of rational technology and a method of quantitative determination of oxymethylantraquinones of rhubarb tablets] Minina SA, et al. Farmatsiia 20:19-24, Mar-Apr 71 (Rus)
[Obtaining of granules for capsules by means of liquid into liquid dispersion] Murab'ev IA, et al.
Farmatsiia 20:18-20, Jan-Feb 71 (Rus)
[Comparison of methods for obtaining extracts from the rhizome of Caucasian Scopolia by means of pressing and percolation] Novikov FI, et al.
Farmatsiia 17:29-33, May-Jun 68 (Rus)
[Study of the effectiveness of binding substances in the production of tablets] Borzunov EE, et al.
Farm Zh 25:76-7, 1970 (Ukr)
[Sliding and lubricating means in the production of tablets] Borzunov EE, et al.
Farm Zh 25:3-7, 1970 (59 ref.) (Ukr)
[Apparatus for filtration of solutions by means of vacuum pump] Donchenko F.
Farm Zh 25:89, 1970 (Ukr)
[Obtaining adonisid by a new technological method] Makarenko PM. Farm Zh 25:79-81, 1970 (Ukr)
[Significance of medical commodities in pharmaceutical education] Matsiak OS.
Farm Zh 25:93-4, 1970 (Ukr)
[Technology of the preparation of tablets] Shumakov IuS. Farm Zh 25:51-7, 1970 (Ukr)
[Preparation of demineralized water for parenteral solutions] Pilipović I, et al.
Vojnosanit Pregl 27:333-5, Jul-Aug 70 (Cro)

HISTORY

[Microbiology and medical industry] Tuzhilkin IM.
Antibiotiki 15:579-86, Jul 70 (Rus)

INSTRUMENTATION

[Technology of pulverization with ball mill] Naumann H. Pharm Prax 7:153-7, 1970 (Ger)
[Analytical evaluation of quality of distilled water. 2] Saršunová M, et al. Pharm Prax 10:293-5, Oct 67 (Ger)
[Apparatus for measurement of the pressure needed to break the neck of "scored" ampoules] Simoncini F.
Boll Chim Farm 109:625-6, Oct 70 (Ita)
[Laboratory extractors for plant raw material] Makarov VA. Farmatsiia 19:59-60, Jul-Aug 70 (Rus)
[Mechanical device for the washing of pharmaceutical bottles] Petrishchev IP, et al.
Farmatsiia 20:61-2, Mar-Apr 71 (Rus)
[Packing of ammonium hydroxide in the pharmacy] Romaniuk IuF. Farmatsiia 20:82-3, Jan-Feb 71 (Rus)
[Use of the device and method of Volarovich-Markov for measuring the consistency of suppositorial bases] Shur SI, et al. Farmatsiia 18:25-7, May-Jun 69 (Rus)
[Apparatus for filtration of solutions working by means of water-jet pump] Stanislavs'kiĭ PL.
Farm Zh 25:88, 1970 (Ukr)
[Determination of the power of galenic-pharmaceutical industries--important stage in the planning of their production] Vasil'chenko OG.
Farm Zh 25:70-5, 1970 (Ukr)

STANDARDS

[Standardization as a basis planning and administration in drug industry and pharmacy (II)] Wagler M.
Pharm Prax 7:151-3, 1970 (Ger)

TECHNOLOGY, RADIOLOGIC

(E1, E2, G2, J)

Elimination of blur in linear tomography. Edholm P, et al. Acta Radiol [Diagn] (Stockh) 10:441-7, Sep 70
Kilovoltage calibration of diagnostic roentgen ray generators. Bhatnagar JP, et al.
Acta Radiol [Ther] (Stockh) 9:555-66, Dec 70
Radioisotope organ imaging in tumor diagnosis and management. Sauerbrunn BJ.
Am Fam Physician 3:88-98, Jan 71
Skin dosages in radiation-sparing techniques for the laboratory and field. Garn SM, et al.
Am J Phys Anthropol 26:101-5, Jan 67
A see-through 36 inch roll film changer. Ampiatz K.
Am J Roentgenol Radium Ther Nucl Med 112:628-30, Jul 71
Titanium as an encasement for cobalt 60 with special reference to a pneumatic afterloading therapy unit. Breed JE, et al.
Am J Roentgenol Radium Ther Nucl Med 111:401-4, Feb 71
A standard set of "individualized" compensating filters for mantle field radiotherapy of Hodgkin's disease. Faw FL, et al.
Am J Roentgenol Radium Ther Nucl Med 111:376-81, Feb 71
Brain scanning--is it becoming unnecessarily complicated? Gottschalk A.
Am J Roentgenol Radium Ther Nucl Med 111:851-2, Apr 71
Variable block-surface-distance (BSD) for adjustment of shadow size in mantle therapy. Maruyama Y, et al.
Am J Roentgenol Radium Ther Nucl Med 111:382-7, Feb 71
A new dose calibrator for nuclear medicine. Mauderli W, et al.
Am J Roentgenol Radium Ther Nucl Med 111:405-7, Feb 71
The roentgenologic demonstration of tiny amounts of free intraperitoneal gas: experimental and clinical studies. Miller RE, et al.
Am J Roentgenol Radium Ther Nucl Med 112:574-85, Jul 71
A new method to determine the focal spot size of x-ray tubes. Rao GU.
Am J Roentgenol Radium Ther Nucl Med 111:628-33, Mar 71
An improved method of pacemaker roentgenography. Short WF, et al.
Am J Roentgenol Radium Ther Nucl Med 112:571-3, Jul 71
Cerebral angioautotomography. Smith JT, et al.
Am J Roentgenol Radium Ther Nucl Med 112:315-23, Jun 71
Inefficient use of x rays in diagnostic radiology. Taylor LS.
Am J Roentgenol Radium Ther Nucl Med 111:635-9, Mar 71
Beam quality measurements in diagnostic roentgenology. Trout ED, et al.
Am J Roentgenol Radium Ther Nucl Med 112:622-7, Jul 71
A passive treatment verification device. Van Roosenbeek E, et al.
Am J Roentgenol Radium Ther Nucl Med 111:625-7, Mar 71
Simplified serial coronary arteriography. Wexler L.
Am J Roentgenol Radium Ther Nucl Med 111:780-1, Apr 71
Clinical evaluation of a new portable unit radiographic technique. Wing KR, et al.
Am J Roentgenol Radium Ther Nucl Med 111:408-15, Feb 71
Gamma counting of iodine-125 using a metal-loaded liquid scintillator. Ashcroft J.
Anal Biochem 37:263-75, Oct 70
An improved method for counting tritium and carbon-14 in acrylamide gels. Basch RS.
Anal Biochem 26:184-8, 10 Oct 68
A disposable radioiodination pipet. Catt KJ, et al.
Anal Biochem 26:207-9, Nov 68
Liquid scintillation counting methods for accurate assay of beta radioactivity in biological experiments. Davies JW, et al. Anal Biochem 27:77-90, Jan 69
Simultaneous liquid scintillation determination of tritium and sulfur-35 in biological low-level samples using the oxygen flask method. Roncucci R, et al.
Anal Biochem 26:118-36, 10 Oct 68
An improved procedure for H-3 and C-14 counting in acrylamide gels with a nonaqueous scintillation system. Spear PG, et al.
Anal Biochem 26:197-200, 10 Oct 68
Determination of the incorporation of 14C- or 3H-labeled precursors into macromolecules of ascites tumor cells by direct scanning and by liquid scintillation counting. Wenzel M, et al.
Anal Biochem 37:262-4, Oct 70
Report of the Eighteenth Baker Fellow. Porter AJ.
Australas Radiol 14:139-52, May 70
The sensitometric evaluation of dental radiographic film. Smith NJ. Br Dent J 129:455-60, 17 Nov 70
olid state switching in x-ray exposure circuits. Doyle RJ, et al. Br J Radiol 44:228, Mar 71
The 100 mm (4x4 in.) film as a basic unit for x-ray filing. Hills TH, et al. Br J Radiol 43:867-9, Sep 70
Wax retraction as a technique for compensating the effect of surface irregularities in high-energy radiotherapy. Jackson W. Br J Radiol 43:859-67, Dec 70
A method for the accurate manufacture of lead shields. Jones D. Br J Radiol 44:398-9, May 71
A simple automatic gas dispenser for encephalography and myelography. McCallum AH.
Br J Radiol 44:396-8, May 71
Semi-orthometric pelvimetry: an appraisal. Murray JP.
Br J Radiol 44:524-30, Jul 71
Timing of chest x-ray exposures in relation to the cardiac cycle. Norman J, et al. Br J Radiol 44:554, Jul 71
An examination of some methods of improving the depth dose characteristics of cyclotron-produced fast neutron beams. Parnell CJ.
Br J Radiol 44:612-7, Aug 71
Macroradiography in severe congenital heart disease in neonates. Pierce JW, et al. Br J Radiol 44:729, Sep 71
Solid state switching and logic in x-ray auxiliary circuits. Smyth GE. Br J Radiol 44:228, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A method of copying x-ray films. Steiner RE, et al. Br J Radiol 43:747-50, Oct 70
Ventriculography via Torkildsen tube: a simple and useful technique. Takahashi M, et al. Br J Radiol 44:475-6, Jun 71
Radiographic identification of calcifications in breast specimens. Wallace TI. CA 21:11-2, Jan-Feb 71
Removal of non-magnetic intraocular foreign bodies using the image intensifier. A case report. Anhalt EF, et al. Can J Ophthalmol 5:244-7, Jul 70
A simple means for reducing unnecessary patient dose in radiology departments. Goldberg RM. Health Phys 19:311, Aug 70
An automated system for rapid determination of half-value thickness. King RJ, et al. Health Phys 19:681-4, Nov 70
Dispersed rapid processing reduces patient waiting time in radiology department. Ferrell TR. Hosp Manage 112:14-5, Aug 71
Effect on image quality due to focal-spot variation in magnification radiography. Spiegler P, et al. Invest Radiol 6:70-5, Jan-Feb 71
CaSO4-Mn dosimetry in dental x-ray diagnosis. Eggermont G, et al. J Belge Radiol 53:212-9, 1970
Physician's assistants in radiology. Willis PD. J Fla Med Assoc 58:36-7, Sep 71
Radiology--the utilization of a technology. Foy RE. J Med Assoc State Ala 40:797-9, Jun 71
Five modes of subtraction using artificial slow flow carotid angiography. Verbiest H. J Neurol Neurosurg Psychiatry 34:107-8, Feb 71
Computer processing of scans using Fourier and other transformations. Brown DW, et al. J Nucl Med 12:287-91, Jun 71
Contrast efficiency and FWHM. Cradduck TD, et al. J Nucl Med 12:321-3, Jun 71
Dot counting in scintigraphy. Lying-Tunell U, et al. J Nucl Med 12:269-70, May 71
A digital ratemeter system for rectilinear scanning. Sear R, et al. J Nucl Med 12:320-1, Jun 71
Quantitative method of evaluating focused collimators. Wyper DJ, et al. J Nucl Med 12:197-203, May 71
A radiographic grid for contouring cranial prostheses. Firtell DN, et al. J Prosthet Dent 25:439-45, Apr 71
A simple, inexpensive technique for photographing roentgenograms. Griffith DP. J Urol 104:751-2, Nov 70
Matching solutions and problems. Hoover NM. JAMA 214:1698-9, 30 Nov 70
Three-dimensional time sequence roentgenography. Hoppenstein R. JAMA 217:922-8, 16 Aug 71
Educational program in nuclear medicine technology. Simmons GH, et al. JAMA 217:1082-4, 23 Aug 71
Pattern recognition by radiographers. Nelson D. Lancet 1:646, 27 Mar 71
Neutron radiography of osseous tumours. Boyne PJ, et al. Nature (Lond) 230:461-2, 16 Apr 71
Color radiography and the substraction technique. Guidetti B, et al. Neurocirugia 28:13-6, Jan-Jun 70
A subtraction method for determining cerebral blood flow by xenon-133 inhalation. Obrist WD, et al. Neurology (Minneap) 20:411, Apr 70
Roentgenologic studies on diseases of the stomach.3. Diagnostic significance of double contrast technique combined with pretreatment and posit- ioning, especially in early or small gastric lesions. Saito S, et al. Nippon Acta Radiol 30:1119-31, Mar 71
Developments and applications of a new type test chart for radiographic image quality measurement. Tamoto Y, et al. Nippon Acta Radiol 30:591-606, Oct 70
Device to estimate fetal age. A clinical and radiologic investigation. Chang LW, et al. Obstet Gynecol 38:154-8, Jul 71
Vacuum cervical adapter. Parekh MC, et al. Obstet Gynecol 36:940-3, Dec 70
X-ray beam profiles and oral radiography. Weissman DD, et al. Oral Surg 31:546-55, Apr 71
Pyelo-cystourethrography: methodology. Shopfner CE. Pediatrics 46:553-65, Oct 70
Dose-distribution measurement of high-intensity pulsed radiation by means of holographic interferometry. Hussmann EK, et al. Radiat Res 47:1-14, Jul 71
Some advantages of a cassette conveyor system. Barter B. Radiography 37:207-9, Sep 71
A survey of silver recovery. II. The economics. Hudson E. Radiography 36:291-300, Dec 70
A survey of silver recovery. I. The mechanics of silver recovery. Hudson E. Radiography 36:263-9, Nov 70
Problems of the R.P. system. Miller D. Radiography 37:2-4, Jan 71
A device to assist disabled patients on to the X-ray table. Owen J. Radiography 37:20-1, Jan 71
A subtraction technique with rapid-cycle film and processing. Sands E. Radiography 36:198-200, Aug 70
Simultaneous contract radiography and macroradiography or multi-macroradiography. Shiong FC. Radiography 37:145-8, Jun 71
X-ray film processing economiser. Radiography 36:271-2, Nov 70
A dowex resin labelled with In-113m for lung scanning. Preliminary report. Erjavec M, et al. Radiol Diagn (Berl) 11:791-2, 1970
[Mathematical method forcalculating the modulation transmission function fro images of slit, edged and lined printings by screen-process] Stargardt A. Radiol Diagn (Berl) 10:407-15, 1969
Washington dateline. Mead GG. Radiol Technol 42:181-2, Nov 70
The aesthetic method in radiographic exposure. Singer BH. Radiol Technol 42:411-6, May 71
Problems in socioeconomics for radiologic technologists: panel discussion. Radiol Technol 42:144-54, Nov 70
Improvements of radiological image quality. Bouwers A. Radiologe 11:230-1, Jun 71
The protocol and results of training nonradiologists to scan mammograms. Alcorn FS, et al. Radiology 99:523-9, Jun 71
Dose distribution for single- and three-phase x-ray equipment. Barone GJ, et al. Radiology 100:663-9, Sep 71
A critical analysis of magnification radiography. Laboratory investigation. Bookstein JJ, et al. Radiology 98:23-30, Jan 71
Effective focal spot size. Bookstein JJ, et al. Radiology 98:31-3, Jan 71
An acceptable gonadal shield. Brown RF, et al. Radiology 99:285-9, May 71
The use of an invisible fluorescent marker to delineate radiotherapy treatment fields. Cowan RJ, et al. Radiology 97:681-2, Dec 70
Primary x-ray dodging. Edholm PR, et al. Radiology 99:694-6, Jun 71
Optimal radiological facilities for examination of the cardiovascular system. Report of Radiology Study Group Inter-society Commission for Heart Disease Resources. Eyler WR. Radiology 99:703, Jun 71
A technique for imaging patient treatment area during a therapeutic radiation exposure. Haus AG, et al. Radiology 97:653-6, Dec 70
Radiation-treatment simulators. Hendrickson FR, et al. Radiology 100:701-3, Sep 71
Light intensity variation. A novel approach to subtraction technique. Jenkin C, et al. Radiology 97:684-5, Dec 70
Physical characteristics of the radiations from 2-pulse, 12-pulse, and 1,000-pulse x-ray equipment. Kelley JP, et al. Radiology 100:653-61, Sep 71
An infinite number of laminagrams from a finite number of radiographs. Miller ER, et al. Radiology 98:249-55, Feb 71
Toward consistent local control of certain malignant tumors. Endoradiotherapy with iridium 192. Pierquin B, et al. Radiology 99:661-7, Jun 71
Minute pulmonary arteriovenous fistulas demonstrated by magnification pulmonary angiography. Case report. Sagel SS, et al. Radiology 97:529-30, Dec 70
Four-dimensional time-sequence radiography. Schechter MM, et al. Radiology 99:551-8, Jun 71
Formalized immobilization and localization in radiotherapy. Van Arsdale ED, et al. Radiology 99:697-8, Jun 71
Imperative changes in detection methods for breast cancer. Gershon-Cohen J. South Med J 64:387-91, Apr 71
A milking system for the preparation of technetium-99m labelled tyrosine. el-Garhy M, et al. Strahlentherapie 139:713-5, Jun 70
Use of optic pantograph to reduce transversal tomograms to normal size. Nordman E, et al. Strahlentherapie 140:190-1, Aug 70
Three dimensional radiography. Johns RJ, et al. Trans Am Clin Climatol Assoc 82:136-40, 26 Oct 70
[Asessment and determination of correct filtration of radiation in the most frequently used types of stomatological x-ray devices] Kukačka R. Cesk Radiol 25:184-8, Jul 71 (Cze)
[A monobath with its film] Poel AC van de. Ned Tijdschr Tandheelkd 77:380-2, Nov 70 (Dut)
[Value of the photography in 70 mm format of the brilliancy amplifier during selective coronary arteriography] Amiel M, et al. Ann Radiol (Paris) 14:463-9, May-Jun 71 (Fre)
[Perspectives opened by the Medichrome film] Bories J. Ann Radiol (Paris) 13:857-61, 1970 (Fre)
[Plan of a computing system in real time for a radiodiagnosis unit] Hassan M, et al. Ann Radiol (Paris) 14:107-13, Jan-Feb 71 (Fre)
[Applications of direct planimetry in radiology] Jouve P, et al. Ann Radiol (Paris) 14:3-11, Jan-Feb 71 (Fre)
[Correlation between high resolution renal arteriography and microradiography of anatomic specimens. I. Anatomic recall. Technic and study material] Plainfossé MC, et al. Ann Radiol (Paris) 13:681-91, 1970 (Fre)
[Presentation of color x-ray films] Bréhant J. Chirurgie 96:1033-4, Dec 70 (Fre)
[New apparatus with vacuum prehension for hysterosalpingography (and tubal insufflation)] Bidaut C. J Radiol Electrol Med Nucl 52:193-4, Mar-Apr 71 (Fre)
[Value of radio-exposure meter and automatic development in thoracic radiography] Bousquet F, et al. J Radiol Electrol Med Nucl 50:901-4, Dec 69 (Fre)
[Ampliphotography and its future] Chérigié E, et al. J Radiol Electrol Med Nucl 51:72-4, Jan-Feb 70 (Fre)
[Complete compact diagnostic unit (C.C.D.U.) (1 year of intensive activity in hospital and private practice)] Chevrot L, et al. J Radiol Electrol Med Nucl 52:185-7, Mar-Apr 71 (Fre)
[Form recognition and quantitative contrast measurement in radiodiagnosis (apropos of a planned apparatus)] Hassan M, et al. J Radiol Electrol Med Nucl 51:74-5, Jan-Feb 70 (Fre)
[Defense and illustration of an old process: the radioparagiyph, logetron of the poor] Laborde A. J Radiol Electrol Med Nucl 52:196-7, Mar-Apr 71 (Fre)
[Progress in radiophotography with the brightness amplifier] Schmidt. J Radiol Electrol Med Nucl 51:70-1, Jan-Feb 70 (Fre)
[Technic of filing radiograms at the Regional Health Insurance Office in Paris] Teurtroy M, et al. J Radiol Electrol Med Nucl 51:76, Jan-Feb 70 (Fre)
[Use of a saddle for examination of abdominal emergencies in a standing position] Viallet P, et al. J Radiol Electrol Med Nucl 52:46, Jan-Feb 71 (Fre)
[Adaptation of a zoom localizing apparatus on a remote control table] Viallet P, et al. J Radiol Electrol Med Nucl 50:346, May 69 (Fre)
[Comparative study of the various methods of laryngeal radiography. Value of the filtered high tension radiography] Weill F, et al. J Radiol Electrol Med Nucl 51:655-7, Nov 70 (Fre)
[Filing and classification of radiograms] J Radiol Electrol Med Nucl 51:72, Jan-Feb 70 (Fre)
[Our conception of the technic of coronary arteriography (based on more than 380 examinations)] Amiel M, et al. Lyon Med 225:493-7, 20 Mar 71 (Fre)
[1st realizations of radiographic color films] Bréhant J. Presse Med 78:1891-2, 17 Oct 70 (Fre)
[The ear region on the teleradiography of the profile] Papernot-Cousteix G, et al. Rev Stomatoodontol Nord Fr 26:7-18, 1971 (Fre)
[Dosage and darkening in abdominal radiography] Laubenberger T. Ann Univ Sarav [Med] 15:351-405, 1968 (Ger)
[Methods and importance of exact determination of the antetorsion of the femur neck] Schindlmaisser H. Beitr Orthop Traumatol 18:70-1, 1971 (Ger)
[Reproduction of roentgen pictures] Deriath S. Dtsch Med J 22:325-9, 20 May 71 (Ger)
[Photographic and electronic subtraction in angiographic diagnosis] Deininger HK, et al. Fortschr Geb Roentgenstr Nuklearmed 114:650-6, May 71 (Ger)
[Postmortem radiography with the aid of a field x-ray machine] Fischer H, et al. Fortschr Geb Roentgenstr Nuklearmed 113:535-7, Oct 70 (Ger)
[Concepts and nomenclature in radiologic technic: radiation protection] Frik W. Fortschr Geb Roentgenstr Nuklearmed 112:546-56, Apr 70 (Ger)
[A simple radiological method for determining the charge on a cardiac pacemaker battery] Gebhardt M, et al. Fortschr Geb Roentgenstr Nuklearmed 113:434-7, Oct 70 (Ger)
[Experimental and clinical studies on stereometric evaluation of angiograms] Georgi M, et al. Fortschr Geb Roentgenstr Nuklearmed 113:157-63, Aug 70 (Ger)
[The value of the subtraction technic in angiography of skeletal tumors] Rittmeyer K, et al. Fortschr Geb Roentgenstr Nuklearmed 114:656-62, May 71 (Ger)
[Diagnostic value of the angiotomogram] Schmidt H, et al. Fortschr Geb Roentgenstr Nuklearmed 112:746-53, Jun 70 (Ger)
[Dextroposition of the aortic arch with a functional subclavian steal syndrome. Subtraction technics in thoracic angiography] Teske HJ. Fortschr Geb Roentgenstr Nuklearmed 113:391-2, Sep 70 (Ger)
[Osteoscintigraphy by short-lived radionuclides and positron camera] Lorenz WJ, et al. Radiobiol Radiother (Berl) 11:171-7, 1970 (Ger)
[Resolving power and image properties of the 3" and 5" crystal scintiscanner "Selo DS-2"] Poppitz R, et al. Radiobiol Radiother (Berl) 11:335-40, 1970 (Ger)
[The contributions of physics, technique and biology to the advances of clinical radio-therapy] Kärcher KH, et al. Radiol Clin Biol 40:3-21, 1971 (Ger)
[Standard urography and its possibilities] Thurnher B. Radiol Clin Biol 40:56-61, 1971 (Ger)
[Experimental determinaton of the modulation transmission function] Angerstei W, et al. Radiol Diagn (Berl) 10:397-405, 1969 (Ger)
[Comparison of the image quality of all of the image-production systems used in radiology] Angerstein W. Radiol Diagn (Berl) 10:467-80, 1969 (Ger)
[Relation beteen local frequencyspectrum, picture content and diagnostic radiography] Angerstin W. Radiol Diagn (Berl) 10:485-90, 1969 (Ger)
[X-ray diagnosis of the rat chest] Arndt D, et al. Radiol Diagn (Berl) 11:629-38, 1970 (Ger)
[Terminology in x-ray image evaluation] Böck G, et al. Radiol Diagn (Berl) 10:523-4, 1969 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Physical-technical parameters of x-ray amplificationfilms and illumination screens] Brandt GA. Radiol Diagn (Berl) 10:455-65, 1969 (Ger)
[The suitability of technetium-labelled erythrocytes for studies on splenic function] Franke WG, et al. Radiol Diagn (Berl) 11:783-9, 1970 (Ger)
[Problems in microphotometric evaluation of test photographs] Görgens E. Radiol Diagn (Berl) 10:427-36, 1969 (Ger)
[Improvement of the radiological pulmonary diagnosis by oblique tomography] Hämmerlein M, et al. Radiol Diagn (Berl) 11:747-53, 1970 (Ger)
[Which investigations can be conducted by the industry before the introduction of a new contrast medium?] Herms HJ. Radiol Diagn (Berl) 8:413-9, 1967 (Ger)
[Technical prerequisites for evaluation and attention to image quality in the radiodiagnostic practice] Krieg R. Radiol Diagn (Berl) 10:437-46, 1969 (Ger)
[Thick-layer tomography with linear blurring] Laczay A. Radiol Diagn (Berl) 11:765-70, 1970 (Ger)
[The simultaneous representation of the mediastinum, of the hili and of the peripheral section of the lung by inclination tomography and the use of a special filter] Liess G, et al. Radiol Diagn (Berl) 11:741-6, 1970 (Ger)
[Optimal function of radiological image production systems and investigative mthods] Liess G. Radiol Diagn (Berl) 10:521-2, 1969 (Ger)
[Functional phlebography using the casette changer TuR DZ 104] Müller JH, et al. Radiol Diagn (Berl) 11:129-33, 1970 (Ger)
[Optimal function of radiological image production systems and investigative methods] Oelssner W. Radiol Diagn (Berl) 10:515-9, 1969 (Ger)
[Analysis of x-rays with a view toward standardized evaluation and preparation of a computer diagnostic] Oelssner W. Radiol Diagn (Berl) 10:538-40, 1969 (Ger)
[Reproductibility and accuracy of the modulation transmission function of photographical emulsions] Reuther R. Radiol Diagn (Berl) 10:417-26, 1969 (Ger)
[Introduction to problems in image quality determinations] Reuther R. Radiol Diagn (Berl) 10:385-95, 1969 (Ger)
[Image ulity evaluation from the point of view of the radiologist] Richter K. Radiol Diagn (Berl) 10:529-37, 1969 (Ger)
[The focal point of the rotating anode-roentgen tube--a factor in theimage-prouction system] Rössel R. Radiol Diagn (Berl) 10:447-9, 1969 (Ger)
[A test object for image quality evaluation] Schott O, et al. Radiol Diagn (Berl) 10:481-4, 1969 (Ger)
[Tracheobronchial tomograms with representation of the entire bronchial tree by the use of compensating absorbers] Solger N. Radiol Diagn (Berl) 11:755-63, 1970 (Ger)
[The modification of image quality of the x-ray image production system by focal point and picture geometrics. Geometric enlargement] Stargardt. Radiol Diagn (Berl) 10:507-13, 1969 (Ger)
[A comparison of the picture quality of the general x-ray picture and of the radiophotograph of the chest] Tautz M, et al. Radiol Diagn (Berl) 11:621-7, 1970 (Ger)
[Physical parameters of the 3 inch and 5 inch scanner systems] Tautz M, et al. Radiol Diagn (Berl) 11:639-46, 1970 (Ger)
[Radiophotographic examination of the breast] Tautz M, et al. Radiol Diagn (Berl) 11:617-9, 1970 (Ger)
[Optimal function of x-ray image production systems] Tautz M. Radiol Diagn (Berl) 10:491-506, 1969 (Ger)
[Image quality of the roentgen projection camera] Zöllner H. Radiol Diagn (Berl) 10:451-4, 1969 (Ger)
[X-ray and gamma-ray shielding estimation using attenuation graduation] Göttel K. Radiologe 10:386-90, Sep 70 (Ger)
[Radiation dosage in image magnification transillumination] Stieve FE. Radiologe 10:357-67, Sep 70 (Ger)
[Radiation exposure in x-ray cinematography] Widenmann L. Radiologe 10:367-72, Sep 70 (Ger)
[Methods for primary density compensation] Edholm P, et al. Roentgenpraxis 24:183-91, Aug 71 (Ger)
[Technical exhibition in the 12th International Radiological Congress in Tokyo] Gajewski H. Roentgenpraxis 23:5-18, Jan 70 (Ger)
[Radiographic technic using programming of radiographic data] Kollath J, et al. Roentgenpraxis 23:157-64, Jul 70 (Ger)
[4th World Congress of the International Society of Radiographers and Radiological Technicians (I.S.R.R.T.) in Tokyo--scientific program report] Martin M. Roentgenpraxis 23:18-23, Jan 70 (Ger)
[Radiographic magnification in cerebral arteriography] Wende S, et al. Roentgenpraxis 24:54-8, Mar 71 (Ger)
[266 Ra-calibration method for a total body-counter with radium, taking into account the absorption and spreading of the gamma irradiation as well as the macroscopic distribution pattern in humans] Poulheim KF. Strahlentherapie 139:553-64, May 70 (Ger)
[Depth electron therapy by pendulum irradiation. IV. A new telecentric small-angle pendulum technic, specific for high-energy undispersed electrons] Rassow J. Strahlentherapie 140:156-72, Aug 70 (Ger)
[Effect of the size of cobalt-60-courses (1 and 2cm) on the field length penumbra width, dosage distribution and lateral steepness in irradiation with and without penumbral trimmer. Photometric measures on a phantom] Weishaar J, et al. Strahlentherapie 140:173-84, Aug 70 (Ger)
[Contrast enhancement in scintigrams by means of digital filters] Lorenz WJ, et al. Z Krebsforsch 74:344-8, 1970 (Ger)
[Measuring and adjusting method for endoral radiography] Roschmann OG. ZWR 80:456-8, 25 May 71 (Ger)
[On the subtraction of stratigrams in the study of some phonetic positions of the larynx] Rossi M, et al. Clin Otorinolaringoiatr 20:740-54, Nov-Dec 68 (Ita)
[Modern acquisitions in myelographic diagnosis] Ottolenghi G. Minerva Med 62:1603-12, 18 Apr 71 (Ita)
[Teleradiography of the whole vertebral column in orthostatic position. Evaluation of scoliotic deformations] De Vecchi A, et al. Minerva Radiol 14:99-108, Mar-Apr 69 (Ita)
[Intrauterine fetal transfusion. Radiologic methods and results] Samaja BA, et al. Minerva Radiol 15:152-5, May-Jun 70 (Ita)
[Sensitive materials for radiographic use] Franco F, et al. Mondo Odontostomatol 13:63-5, 1970-71 (Ita)
[Measures of the radiographic shadow of the kidney] Pacini G. Radiol Med (Torino) 55:232-41, Mar 69 (Ita)
[Our experience in the diagnosis of cardiopathies by means of the 100x100 Odelca camera] De Felice D, et al. Rass Int Clin Ter 50:1045-50, 31 Aug 70 (Ita)
[Method of use and possibilities of application in cardiology of the 100x100 Odelca camera] De Felice D, et al. Rass Int Clin Ter 50:1040-4, 31 Aug 70 (Ita)
[Study of the pulmonary circulation in mitral valve stenosis by means of the 100x100 mm Odelca cammera] De Felice D, et al. Rass Int Clin Ter 50:1051-5, 31 Aug 70 (Ita)
[Use of radio-opaque cold autopolymerizing resins] Tassarotti B. Rass Int Stomatol Prat 21:195-202, Jul-Aug 70 (Ita)
[Linacgraphy (supervoltage roentogenography by medical piane acceletor)] Tatsuno I, et al. Iryo 24:883-92, Nov 70 (Jap)
[Interpretation of the radiogram of the large intestine and the photographic technic] Tsuchiya S. J Jap Soc Coloproctol 23:38-45, Nov 70 (Jap)
[Double contrast radiography of the maxillary sinus] Suga F. J Otolaryngol Jap 73:1796-7, Nov 70 (Jap)
[Problems of irradiation during surgery and distribution of the dosage] Abe M. Jap J Cancer Clin 17:375-7, May 71 (Jap)
[Irradiation of bladder cancer through the surgical opening] Mikuriya S. Jap J Cancer Clin 17:371-3, May 71 (Jap)
[Irradiation during surgery of stomach cancer under local refrigeration] Tanaka T. Jap J Cancer Clin 17:373-5, May 71 (Jap)
[X-ray television macrofluoroscopy using a small focus tube: consideration on formation content and patient dose] Fujita T. Nippon Acta Radiol 30:615-25, Oct 70 (Jap)
[A further study on double contrast barium enema] Kobayashi S. Nippon Acta Radiol 31:50-77, Apr 71 (Jap)
[Roentgenological and histological study of bronchoalveography using the negative pressure box] Hoshino H, et al. Rinsho Hoshasen 16:26-30, Jan 71 (Jap)
[Subtraction of the cerebral angiogram and its application to stereo-graphy] Ito H, et al. Rinsho Hoshasen 15:950-2, Dec 70 (Jap)
[Magnifying radiography of micropathological changes of the gastric mucosa] Nishioka K, et al. Rinsho Hoshasen 16:7-10, Jan 71 (Jap)
[Test for the resolving power of the magnifying radiography tube] Okajima S. Rinsho Hoshasen 16:40, Jan 71 (Jap)
[Harmonization of x-ray photography] Suzuki S, et al. Rinsho Hoshasen 16:241-9, Mar 71 (Jap)
[Theories of magnifying radiography] Takahashi S, et al. Rinsho Hoshasen 16:1-6, Jan 71 (Jap)
[Direct 3x magnification radiography of the stomach] Watanabe T. Rinsho Hoshasen 16:11-6, Jan 71 (Jap)
[Advantages derived from the use of the so-called raised voltage in radiological diagnosis in children] Kowalski R, et al. Pediatr Pol 46:487-94, Apr 71 (Pol)
[The functioning and economic problems of radiotherapeutic equipment] Geissler K, et al. Pol Przegl Radiol 35:337-43, May-Jun 71 (Pol)
[Roentgen subtraction with color addition] Zajgner J. Pol Przegl Radiol 34:603-4, Jul-Aug 70 (Pol)
[A new device for anorectal fistulography] Tulzhanov KhK. Eksp Khir Anesteziol 15:40-2, Jul-Aug 70 (Rus)
[Use of highly dispersed aerosols in electrography] Koshenkov VI. Nov Med Priborostr 2:96-9, 1969 (Rus)
[Complex of apparatus for depth vision: the telebathyscope] Rozenfel'd EB, et al. Nov Med Priborostr 2:56-61, 1969 (Rus)
[Needle with a metal conus obturator for fistulography] Matsyk VS. Vestn Khir 106:125-6, Mar 71 (Rus)
[Apparatus for determining rupture of the anterior crucial ligament of the knee joint] Volkov VS. Vestn Khir 106:135-6, Jan 71 (Rus)
[Method of controlling the radiographic cassette] Chikirdin EG, et al. Vestn Rentgenol Radiol 45:86-8, Jan-Feb 70 (Rus)
[Stands for skull radiography and their purpose] Ginzburg VG. Vestn Rentgenol Radiol 45:82-6, Jan-Feb 70 (Rus)
[Radiography with direct enlargement of the image in diseases of the lacrimal ducts] Kagan IE. Vestn Rentgenol Radiol 45:80-5, Sep-Oct 70 (Rus)
[Integral sensitometer for objective assessment of the function of external respiration in 3-phase roentgenography] Leikin VE, et al. Vestn Rentgenol Radiol 45:92-4, Sep-Oct 70 (Rus)
[Decrease of the radiation loading by changing the chemical composition of the developer] Utekhin EV, et al. Vestn Rentgenol Radiol 45:88, Jan-Feb 70 (Rus)
[Technic of roentgenologic localization and nomenclature] Fitzgerald GM. ADM 27:149-59, Mar-Apr 70 (Spa)
[Primary contrast equalization] Edholm P, et al. Nord Med 85:157, 4 Feb 71 (Swe)
[Choice of tube voltage for radiography of larynx] Hemmingsson A, et al. Nord Med 84:1312-3, 8 Oct 70 (Swe)
[Transmission of x-ray pictures in TV channels and TV links] Solla P. Nord Med 85:937, 5 Aug 71 (Swe)
[Preliminary experience with Medichrome-film] Wilbrand H. Nord Med 85:832-3, 20 May 71 (Swe)
[A radiographic anthropometric method for calculation of internal cranial capacity] Rudan P, et al. Acta Med Iugosl 24:111-22, 1970 (Cro)

EDUCATION

A two-year radiological institute: five-year summary and future trend. Maisky SJ, et al. Am J Public Health 60:2102-9, Nov 70
Examination in anatomy for the diploma in diagnostic radiology. Hood JH. Australas Radiol 14:156-63, May 70
A collaborative program in allied health training. Hendee WR. J Med Educ 46:658-65, Aug 71
Pattern recognition for radiographers. Bergin JH. Lancet 1:913-4, 1 May 71
The uminschodent skull holder. Beck JO Jr. Oral Surg 32:318-23, Aug 71
Proposed National Conference on Junior College Affiliated Educational programs in Radiologic Technology. Dahl AH, et al. Radiol Technol 42:266-8, Jan 71
Changing patterns in the training of radiologic technologists: a case report. Hendee WR. Radiol Technol 42:392-400, May 71
Change and advancement for radiologic technologists: the importance of being earnest. Parker HJ. Radiol Technol 42:133-7, Nov 70
Radiation therapy technology syllabus for one-year program. Radiol Technol 42:401-10, May 71
B.S. and M.S. programs for radiologic technology teachers. Stadt RW. Radiology 99:203-4, Apr 71
[Use of visual aids in lectures and practical training in the department of roentgenology and radiology] Zakharov BI. Zdravookhr Ross Fed 15:28-30, Jun 71 (Rus)

HISTORY

Origin of British x-ray film sizes. Ramsey LJ. Radiography 36:191-7, Aug 70
[X-ray technic in the medical diagnosis, its development and trends] Bischoff K. Roentgenpraxis 23:280-7, Nov 70 (Ger)
[75th anniversary of x-rays and x-ray photography] Borcke E. Roentgenpraxis 23:277-91, Dec 70 (Ger)

INSTRUMENTATION

Mimer 3 and rotating chair. Fredzell G, et al. Acta Radiol [Diagn] (Stockh) 7:543-52, Nov 68
Synchronous shielding and field shaping for megavolt irradiation of advanced cervical carcinoma. Ilfeld DN, et al. Am J Roentgenol Radium Ther Nucl Med 112:792-6, Aug 71
Use of electron filter to reduce skin dose in cobalt teletherapy. Khan FM. Am J Roentgenol Radium Ther Nucl Med 111:180-1, Jan 71
Melting pot for irregular shaped lead shot-thermoplastic shields. Maruyama Y, et al. Am J Roentgenol Radium Ther Nucl Med 112:766-7, Aug 71
Do high detail screens always yield better resolution than high speed screens? Rao GU. Am J Roentgenol Radium Ther Nucl Med 112:812-7, Aug 71
Disposable catheter dummy. A new device for x-ray examination of the upper digestive tract in infants. Bergström K, et al. Australas Radiol 15:65-6, Feb 71
Some technical problems with diagnostic radiography at 20 to 40 kVp. Ardran GM, et al. Br J Radiol 44:825-30, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The requirements in design of an x-ray diagnostic table. Berridge FR. Br J Radiol 44:228-9, Mar 71
The requirements in design of an X-ray table for fluoroscopic examinations. Berridge FR. Br J Radiol 44:150-7, Feb 71
A simple skull X-ray marker. Davies AG. Br J Radiol 44:324, Apr 71
An improved I.A.E.A. neck phantom for thyroid uptake series. Gillespie PJ, et al. Br J Radiol 44:319-21, Apr 71
A ruler-protractor for direct measurements of angles and distances on radiographs. Healey T. Br J Radiol 43:665-6, Sep 70
Trends in diagnostic x-ray table design. Kerrisk DT. Br J Radiol 44:228, Mar 71
Clinical tests on a prototype semiconductor gamma-camera. McCready VR, et al. Br J Radiol 44:58-62, Jan 71
A device to facilitate blood background subtraction in renograms. Mitchell RG. Br J Radiol 43:909, Dec 70
Special cardiac equipment. Newman LA. Br J Radiol 44:229, Mar 71
A modification of the "spinning top" principle for checking the accuracy of S-ray timers. Price C. Br J Radiol 44:322-3, Apr 71
The effect of diagnostic X-ray tube waveforms on the performance of a film penetrameter. Reekie D, et al. Br J Radiol 44:535-9, Jul 71
Special cardiological equipment. Steadman EJ. Br J Radiol 44:229, Mar 71
Beryllium window tubes for mammographic examinations. Wright DJ, et al. Br J Radiol 44:480, Jun 71
X-ray equipment. Manton DJ. Br Med J 3:50, 3 Jul 71
Radiation control design for a converted 400 KVP x-ray therapy machine. Irwin CK, et al. Health Phys 18:415-6, Apr 70
Octagon board for pediatric immobilization. Vézina JA. J Can Assoc Radiol 21:290-4, Dec 70
An electronic marking device for a gamma scintillation camera. Walton PW, et al. J Nucl Med 12:257-61, May 71
Basic radiology. A world wide challenge. Chamberlain RH. JAMA 214:1687-92, 30 Nov 70
A review of image processing in biology and medicine. Neurath PW. Med Res Eng 10:9-15, Jun-Jul 71 (39 ref.)
Stereoscopic image amplifier for the removal of intra-ocular and extra-ocular non-magnetic foreign bodies. Bleeker GM. Ophthalmologica 162:273-5, 1971
Evaluation of a Westinghouse Panoramix x-ray machine. Woodcock RC, et al. Oral Surg 32:650-63, Oct 71
Improvements of solid state x-ray image intensifiers. Johnson BP. Phys Med Biol 15:343-8, Apr 70
X-ray tables in 1980. Blakesley D. Proc R Soc Med 64:250-1, Mar 71
Trends in diagnostic radiology. Combée B. Proc R Soc Med 64:249-50, Mar 71
X-ray apparatus in 1980: a look into the future. Steadman EJ. Proc R Soc Med 64:252, Mar 71
The significance of emulsion additives in radiographic film. Brown M. Radiography 37:101-4, May 71
A capacitor discharge mobile x-ray generator. Crooks HE, et al. Radiography 37:105-11, May 71
From toy to top. Jones N. Radiography 36:300-1, Dec 70
An instant step-wedge. Jones N. Radiography 36:136, Jun 70
Cardiovascular radiography at the Victoria infirmary. Kinloch J. Radiography 36:243-53, Oct 70
The elimination of scattered radiation. McInnes J. Radiography 36:141-2, Jun 70
The "Cordless" mobile x-ray machine. Trew DJ. Radiography 36:159-64, Jul 70
Medical uses for the Temco Formulator. Radiography 37:118-9, May 71
The film-storage problem--a solution? Radiography 37:112, May 71
A new instrument for measuring dose-rate. Radiography 36:169, Jul 70
Results of 33,911 x-ray protection surveys of facilities with medical or dental diagnostic x-ray equipment, fiscal years 1961-1968. Fess LR, et al. Radiol Health Data Rep 11:581-612, Nov 70
Preliminary survey of x-ray producing devices in Kansas schools, 1968. Spencer LW Jr. Radiol Health Data Rep 11:613-5, Nov 70
Large-screen image intensification. Baker VD, et al. Radiology 98:688, Mar 71
Use of a styrofoam block cutter to make tissue-equivalent compensators. Beck GG, et al. Radiology 100:694-6, Sep 71
A moification of the amplatzpneumographic chair for better head stabilization. Geilfuss CJ, et al. Radiology 97:685-6, Dec 70
The Minnesota special procedure room. Hoffmann JR, et al. Radiology 98:551-9, Mar 71
A new head rotation method for cervical spine radiography. Li CP, et al. Radiology 98:568, Mar 71
Simple apparatus for decubitus films with horizontal beam. Miller RE. Radiology 97:682-3, Dec 70
Signal detectability and medical decision-making. Lusted LB. Science 171:1217-9, 26 Mar 71
[Further experiences with red monolateral dark-adaptation glasses for roentgenoscopy] Breijer HB. Ned Tijdschr Geneeskd 115:795-9, 1 May 71 (Dut)
[Sequential roentgen-stereotelevision using Vidikon] Fritzsche W. Biomed Tech (Stuttg) 16:62-3, Apr 71 (Ger)
[Radiography with large-size film (Occlusal film) and its indication in dentistry] Humerfelt D. DDZ 25:209-10 passim, Jun 71 (Ger)
[A new grid system for dental radiography] Raidl R. DDZ 25:118-9, Apr 71 (Ger)
[Relationship between chemical constitution and bacteriostatic effect. 24. Microbiostatic properties of phenols and related compounds against pathogenic bacteria and fungi as well as germs from materials of x-ray film production] Weuffen W, et al. Pharmazie 25:480-4, Aug 70 (Ger)
[A combined X-ray diagnostic apparatus for transilluminationn screening full-size film and photofluorography] Liebknecht W. Prax Pneumol 25:104-6, Feb 71 (Ger)
[Permanently installed radiographic equipment in the operating rooms] Mohr H. Radiologe 11:63-6, Feb 71 (Ger)
[First experiences with the Diagnost OP] Rackwitz K. Radiologe 11:72-5, Feb 71 (Ger)
[Preparation of a simple subtraction film] Owaki K, et al. Brain Nerve (Tokyo) 22:1219-22, Oct 70 (Jap)
[A device for roentgenologic diagnosis of ruptures of lateral ligaments of the talocrural joint] Ankin LN. Ortop Travmatol Protez 31:50-1, Dec 70 (Rus)
[Radiodiagnosis of static strain and rupture of the lateral ligaments of the knee joint] Chernov AP. Ortop Travmatol Protez 31:75-6, Jul 70 (Rus)
[New stationary x-ray machine RUM-22] Aleev PA, et al. Vestn Rentgenol Radiol 45:67-74, Nov-Dec 70 (Rus)
[Portable screening grid for radiography] Kogan MS. Vestn Rentgenol Radiol 45:77-8, Nov-Dec 70 (Rus)
[TV-radiography with automatic fluoroscopy. Radiation-protection point of view] Magnusson K. Nord Med 84:1312, 8 Oct 70 (Swe)
[Panoramatic roentgen apparatuses-Panoramix, Status X] Skotnický F. Cesk Stomatol 71:218-27, Jul 71 (Slo)

MANPOWER

Screening of chest roentgenograms by advanced roentgen technologists. Invest Radiol 6:76-8, Jan-Feb 71
[The law of maternal protection applied to roentgen technicians] Frommhold W. Med Welt 27:1267, 4 Jul 70 (Ger)

STANDARDS

Geometric errors in measurements on x-ray films. A methodologic study on lateral model exposures. Krogstad O, et al. Acta Odontol Scand 29:185-6, Jun 71
AURPO survey of safety devices on x-ray crystallography-diffraction sets. Stern BE. Health Phys 20:358-60, Mar 71
A comparative sensitometric x-ray film study. Fleming RD. Oral Surg 31:701-18, May 71
Characterization and certification of health physics technicians. Kathren RL. Radiol Health Data Rep 12:313-7, Jun 71
Bushwhacking, licensure and Senator Bartlett. (Bartlett EL), Donnelly WH. Radiol Technol 42:248-58, Jan 71
President's message. Wilson L. Radiol Technol 42:175-6, Nov 70
[Color for improving the contrast of x-ray pictures. The "Medichrome process"] Zeitler E. Munch Med Wochenschr 113:1-2, 23 Apr 71 (Ger)

TECTUM MESENCEPHALI see under CORPORA QUADRIGEMINA (A8)

TEFLON see under FLUOROCARBON POLYMERS (D13)

TEGOPEN see CLOXACILLIN (D3)

TELANGIECTASIA, HEREDITARY HEMORRHAGIC (C8, C9)

Hereditary hemorrhagic telangiectasia (Osler-Weber-Rendu disease): discussion and report of case. Soudah HP, et al. J Oral Surg 29:225-9, Mar 71 (51 ref.)
[Rendu-Osler-Weber disease with hepatic involvement (hepatic telangiectasia)] Bacardi R, et al. Presse Med 79:1023-4, 1 May 71 (Fre)
[A case of neonatal hemangiomatosis with spontaneous recovery] Paoli F. Riv Clin Pediatr 82:364-7, Oct-Dec 69 (Ita)
[Rendu-Osler disease in the light of the observation of 2 families] Bardadin T, et al. Otolaryngol Pol 24:661-6, 1970 (Pol)
[Rendu-Osler-Weber disease in 3 generations of 1 family] Piestrak J. Przegl Lek 24:653-5, 1968 (Pol)
[Unusual location of changes in Rendu-Osler disease] Piwowarska W, et al. Przegl Lek 27:228-8, 1971 (Pol)
[Atypical form of telangiectatic familial neuroectodermal dysplasia with cerebellar syndrome] Ionescu M. Neurol Psihiatr Neurochir 16:45-51, Jan-Feb 71 (Rum)
[Rendu-Osler-Weber disease (review of the literature)] Livandovskiĭ IuA. Probl Gematol Pereliv Krovi 15:43-7, Jun 70 (58 ref.) (Rus)
[Rendu-Osler disease] Orbaneja JG, et al. Actas Dermosifiliogr 60:323-32, Sep-Oct 69 (Spa)

COMPLICATIONS

Hereditary haemorrhagic telangiectasia (Osler's disease) as the cause of gastro-intestinal haemorrhage. Christiansen J, et al. Acta Chir Scand 136:213-8, 1970
Hyperdynamic circulatory state due to intrahepatic fistula in Osler-Weber-Rendu disease. Razi B, et al. Am J Med 50:809-15, Jun 71
Retinal involvement in hereditary hemorrhagic telangiectasia. Davis DG, et al. Arch Ophthalmol 85:618-21 passim, May 71
Neurological manifestations of hereditary haemorrhagic telangiectasis. Stanley IM, et al. Br Med J 3:688, 19 Sep 70
Alternating hemiparesis associated with hereditary hemorrhagic telangiectasia. Myles ST, et al. Can Med Assoc J 103:509-11, 12 Sep 70
Pulmonary arteriovenous fistulae with bidirectional shunting. Javier RP, et al. Chest 58:823-6, Dec 70
A true mycotic (Aspergillus) aneurysm leading to fatal subarachnoid hemorrhage in a patient with hereditary hemorrhagic telangiectasia. Case report. Davidson P, et al. J Neurosurg 35:71-6, Jul 71
Hereditary hemorrhagic telangiectasia associated with polycystic disease of kidneys. Solomon S, et al. NY State J Med 71:1665-8, 1 Jul 71
[Rendu-Osler angiomatosis] Lambert P, et al. Lille Med 15:1073-5, Aug-Sep 70 (Fre)
[Uneradicable cervical spinal cord angioma with pseudo-tumoral symptomatology in a patient with Rendu-Osler disease. Arteriographic study and therapeutic value of multiple ligatures] Hurth M, et al. Neurochirurgie 16:287-94, Jul-Aug 70 (Fre)
[Spinal angiomas, segmentary vascular dysplasia and phacomatosis] Djindjian R, et al. Rev Neurol (Paris) 124:121-42, Feb 71 (Fre)
[I-192 in epistaxis caused by Rendu-Osler disease] Gaia F. Boll Mal Orecch Gola Naso 87:410-23, 1969 (Ita)
[Case of Rendu-Osler disease with concomitant arteriovenous fistula of the lung] Nowicka J, et al. Pol Tyg Lek 26:103-5, 18 Jan 71 (Pol)

FAMILIAL & GENETIC

Hereditary haemorrhagic telangiectasia (Rendu-Osler-Weber disease) in a Chinese family. Cheah JS, et al. Singapore Med J 11:168-72, Sep 70
[Rendu-Osler disease in 6 successive generations of a familial stock] Zappata A. Otorinolaringol Ital 37:388-91 passim, Aug 69 (Ita)
[Clinico-genetic studies in Randu-Osler's disease] Livandovskiĭ IuA. Probl Gematol Pereliv Krovi 15:31-4, Oct 70 (Rus)

PATHOLOGY

[Telangiectasis in the gastro intestinal tract in Osler's disease] Walz A, et al. Dtsch Med Wochenschr 96:1275-8, 30 Jul 71 (Ger)

SURGERY

[Bilateral dermoplasty of the nasal septum in the treatment of a case of Rendu-Osler disease] Berlowski J, et al. Wiad Lek 24:591-4, 15 Mar 71 (Pol)

TELANGIECTASIS (C8)

Coats' disease, diagnosis and treatment. Harris GS. Can J Ophthalmol 5:311-20, Oct 70
[3 cases of acquired telangiectasis of the face and hands appearing during pregnancy] Colomb D, et al. Angeiologie 23:89-90, Mar-Apr 71 (Fre)
["Birch broom twigs (B.B.T.)" in the thighs of women] Jadassohn W, et al. Arch Belg Dermatol Syphiligr 26:379-81, Jul-Sep 70 (Fre)
[Associated conjunctival and diffuse cutaneous telangiectasia] Paufique L, et al. Bull Soc Ophtalmol Fr 69:463-6, Apr 69 (Fre)
[Cutis marmorata telangiectica] Bernard R, et al. Pediatrie 26:415-20, Jun 71 (Fre)
[Morbus Coats--miliary aneurysm etinitis Leber] Hiller H. Klin Monatsbl Augenheilkd 158:223-34, Feb 71 (Ger)
[On an unusual case of conjunctival telangiectasis] Zucchini G, et al. Ann Ottalmol Clin Ocul 95:238-44, Mar 69 (Ita)

CHEMICALLY INDUCED

Urinary-bladder fibrosis and telangiectasia associated with long-term cyclophosphamide therapy. Johnson WW, et al. N Engl J Med 284:290-4, 11 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CLASSIFICATION

[Red telangiectasis and blue telangiectasis] Merlen JF, et al. Angeiologie 23:31-2 passim, Jan-Feb 71 (Fre)

COMPLICATIONS

Primary biliary cirrhosis with scleroderma, Raynaud's phenomenon and telangiectasia. New syndrome. Reynolds TB, et al. Am J Med 50:302-12, Mar 71
The CRST syndrome. Slavin S, et al.
Isr J Med Sci 7:738-44, Jun 71
[Calcinosis-Raynaud's disease-sclerodactylia-telangiectasis syndrome] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 78:53-4, 1971 (Fre)
[Bilateral telangiectasis of the conjunctiva with arcus lipoides] Pape R.
Ber Dtsch Ophthalmol Ges 70:650-6, 1970 (Ger)
[Retinopathia pigmentosa with Coat's syndrome] Schmidt D, et al.
Klin Monatsbl Augenheilkd 157:643-52, Nov 70 (Ger)

CONGENITAL

Cutis marmorata telangiectatica congenita or congenital generalized phlebectasia. Fitzsimmons JS, et al. Arch Dis Child 45:724-6, Oct 70
[Congenital generalized erythematous telangiectasis of Bloom associated with osteo-tendineous areflexia and oligophrenia: the 1st case in Italy] Bertolino A, et al.
Rass Int Clin Ter 49:1331-47, 15 Nov 69 (Ita)

DIAGNOSIS

Symptomatic capillary telangiectasis of the brainstem without hemorrhage. Report of an unusual case. Farrell DF, et al.
Neurology (Minneap) 20:341-6, Apr 70
[Differential diagnosis of ablatio falciformis] Barsewisch B.
Ber Dtsch Ophthalmol Ges 70:187-93, 1970 (Ger)
[Experimental histamine determination in the diagnosis of teleangiectasia macularis eruptive perstans] Reinhard M, et al.
Hautarzt 22:350-3, Aug 71 (Ger)

DRUG THERAPY

Tetracycline treatment of telangiectasia. Ayres S Jr.
JAMA 217:1392, 6 Sep 71
Essential progressive telangiectasia. Successful treatment with tetracycline. Shelley WB.
JAMA 216:1343-4, 24 May 71

ETIOLOGY

Unilateral nevoid telangiectasia. Mirrer E, et al.
Arch Dermatol 103:320-3, Mar 71
[Symptomatologic value of telangiectasia in the course of scleroderma] Colomb D, et al.
Angeiologie 23:91-2, Mar-Apr 71 (Fre)

FAMILIAL & GENETIC

Hereditary benign telangiectasia. Wells RS, et al.
Br J Dermatol 84:93-4, Jan 71
Hereditary benign telangiectasia. Ryan TJ, et al.
Trans St Johns Hosp Dermatol Soc 57:148-56, 1971

PATHOLOGY

Electron microscopical study of Coat's disease. Tripathi R, et al. Br J Ophthalmol 55:289-301, May 71
[Morphologic and histochemical findings on the superficial temporal artery in Coats' disease] Negroni L, et al. Ann Ottalmol Clin Ocul 94:537-55, May 68 (Ita)
[Ultrastructural aspects of capillaries of Coats's disease] Nishida S, et al.
Acta Soc Ophthalmol Jap 74:1025-31, Sep 70 (Jap)
[Granuloma teleangiectaticum in the light of the author's own observations] Banach J, et al.
Czas Stomatol 24:145-50, Feb 71 (Pol)
[Livedo-vasculitis] Chorążak T, et al.
Przegl Dermatol 57:643-8, Sep-Oct 70 (Pol)

THERAPY

Photocoagulation in Coats' disease. McGrand JC.
Trans Ophthalmol Soc UK 90:47-56, 1970
[Case of Coat's disease treated by photocoagulation] Baszczyńska-Zielińska B, et al.
Klin Oczna 41:253-6, 1971 (Pol)

TELEMETRY (E1)

Miniaturized biotelemetric transmitter. Kochman J, et al. Acta Physiol Pol 22:334-7, 1970
Physiological studies of military parachutists via FM-FM telemetry: the data acquisition system and heart rate response. Reid DH, et al.
Aerosp Med 41:1292-7, Nov 70
Electrocardiographic telemetry from ambulances. A practical approach to mobile coronary care units. Uhley HN. Am Heart J 80:838-42, Dec 70
Microwave transmission of chest roentgenograms. Murphy RL, et al. Am Rev Resp Dis 102:771-7, Nov 70
Clinical applications of measurement of telemetry of phasic aortic flow velocity in man during cardiac arrhythmias. Benchimol A. Ariz Med 28:269-74, Apr 71
Drug infusion and monitoring of blood pressure by radio-telemetry in unrestrained pigs. Bulpitt CJ, et al.
Cardiovasc Res 4:520-8, Oct 70
Effects of exercise on certain electrocardiographic parameters and cardiac arrhythmias in the horse. A radiotelemetric study. Senta T, et al.
Cornell Vet 60:552-69, Oct 70
A model for the telephone transmission of six-channel electroencephalograms. Bennett DR, et al.
Electroencephalogr Clin Neurophysiol 29:404-8, Oct 70
Telephone telemetry (with practical examples). Kofes A.
Electroencephalogr Clin Neurophysiol 30:274, Mar 71
A wireless radiotelemetry system for monitoring fetal heart rate and intrauterine pressure during labor and delivery. Neuman MR, et al.
Gynecol Invest 1:92-104, 1970
Construction of micro-antimony electrodes for use in radio telemetry of plaque pH. Hassell TM.
Helv Odontol Acta 15:50-1, Apr 71
Effects of sodium N-lauroyl sarcosinate on plaque pH in vivo. Hassell TM, et al.
Helv Odontol Acta 15:52-3, Apr 71
Telemetric recording of fluoride in the interdental area. Hassell TM, et al.
Helv Odontol Acta 15:36-41, Apr 71
A radio telemetric study of oral fluoride clearance. Hassell TM, et al. Helv Odontol Acta 15:29-35, Apr 71
Determining avian ECG and respiration with a single-channel radiotransmitter. Grant CV, et al.
J Appl Physiol 30:302-3, Feb 71
Intravital wireless telemetry of axial forces in Harrington distraction rods in patients with idiopathic scoliosis. Nachemson A, et al.
J Bone Joint Surg [Am] 53:445-65, Apr 71
Biotelemetric studies of temperature regulation and torponin the echidna, Tachyglossus aculeatus. Augee ML, et al. J Mammal 51:561-70, Aug 70
Intraoral occlusal telemetry. V. Effect of occlusal adjustment upon tooth contacts during chewing and swallowing. Pameijer JH, et al.
J Prosthet Dent 24:492-7, Nov 70
A clinical application of the multichannel telemetering method during exercise. Uesugi M, et al.
Jap Circ J 35:51-5, Jan 71
A free space-time traversal data-logging system for two human subjects. MacCulloch MJ, et al.
Med Biol Eng 7:593-9, Nov 69
Underwater temperature telemetry system. Slater A, et al. Med Biol Eng 7:633-9, Nov 69
The monitoring of foetal heart rate by radiotelemetry. Walker D, et al. Med J Aust 2:1078-81, 5 Dec 70
Radioelectrocardiogram monitoring during ambulation training of patients with amputations. Clarke CP, et al. Phys Ther 51:906-13, Aug 71
Deep-seated mischief. Physics methods. Fowler JF.
Proc R Soc Med 63:1291-2, Dec 70
Cardiac rate responses to cigarette smoking: a study utilizing radiotelemetry. Erwin CW.
Psychophysiology 8:75-81, Jan 71
Effect of cardiac denervation on heart rate in resting and anesthetized cats monitored by telemetry. Dempsey PJ, et al. Surg Forum 21:192-4, 1970
[Biotelemetry in first-aid. Experience of emergency medical assistance service (S.A.M.U.) in the south of France and Pyrenees region] Lareng L, et al.
Anesth Analg (Paris) 28:101-18, Jan-Feb 71 (Fre)
[Importance of bioradiotelemetric methods of recording physiological parameters for determination of adaptation of the body to effort and to various environmental conditions] Benetato G, et al.
Rev Roum Physiol 7:3-13, 1970 (Fre)
[A telemetric method of measuring motor activity in behavioral analysis. Technical description and first results in children with behavior disorders] Grünewald-Zuberbier E, et al.
Arch Psychiatr Nervenkr 214:165-82, 1971 (Ger)
[Intragastric telemetric pH measuring during thymoleptic therapy] Fischbach R.
Arzneim Forsch 20:923-5, Jul 70 (Ger)
[Telemetric control of pacemaker function] Iraich W, et al. Dtsch Med Wochenschr 96:811-4, 7 May 71 (Ger)
[Biotelemetric measurements of pH and pressure values in the human gastrointestinal tract] Demling L, et al.
Dtsch Z Verdau Stoffwechselkr 30:135-8, 1970 (Ger)
[Functional diagnosis with telemetric methods including psychosomatic aspects] Christian P.
Munch Med Wochenschr 112:270-5, 13 Feb 70 (Ger)
[ECG telemetry. Technique and practical application] Hüllemann KD, et al.
Munch Med Wochenschr 113:19-25, 1 Jan 71 (Ger)
[Radiotelemetric heart frequency measurements in long distance ski competition] Imhof P, et al.
Schweiz Z Sportmed 19:27-39, 1971 (Ger)
[Radiotelemetric ECG recording during a 60m long sprint in 11- and 14-year-old children] Klimt F, et al.
Schweiz Z Sportmed 18:101-15, 1970 (Ger)
[Continuous simultaneous circulatory determinations during biographic interviews using telemetric methods] Christian P, et al.
Z Psychosom Med Psychoanal 16:1-18, Jan-Mar 70 (Ger)
[Continuous control of the electrocardiogram in coronary disease by use of a telemetric system] Angelino PF, et al.
Minerva Med 61:5469-76, 1 Dec 70 (Ita)
[Methods of biological data detection and transmission during space missions and their present use in clinical medicine] Judica-Cordiglia A.
Minerva Med 61:5723-31, 12 Dec 70 (Ita)
[A study on the mechanism of occurrence of angina pectoris at rest--continuous observation by radioelectrocardiography] Kanazawa H.
J Jap Soc Intern Med 60:305-16, Apr 71 (Jap)
[Application of the telemetric method in recording of various features in pathological gait] Budziszewski Z.
Chir Narzadow Ruchu Ortop Pol 36:235-40, 1971 (Pol)
[Determination of the rate of cleavage of nutrient substances in the digestive tract by means of radiotelemetric and electrometric methods] Babskii EB, et al. Biull Eksp Biol Med 70:116-8, Aug 70 (Rus)
[Study of the pH of the contents of the gastrointestinal tract by the radiotelemetric method] Dedlovskaia VI.
Biull Eksp Biol Med 66:121-3, Nov 68 (Rus)
[The diurnal dynamics of the electrocardiogram in rhesus macaques according to telemetric recording] Tatoian SKh.
Biull Eksp Biol Med 69:29-32, Apr 70 (Rus)
[The biotelemetry method of contact-less measurement of the movement of animals] Sharonin VG. Fiziol Zh SSSR 56:1645-7, Nov 70 (Rus)
[Evaluation of the work of adolescent machine operators using radiotelemetric determination of pulse rate] Chernousova LN, et al.
Gig Sanit 35:94-6, Oct 70 (Rus)
[Distance registration of ECG in humans at the time of muscle activity] Lebedev VI, et al.
Kardiologiia 10:146-7, Sep 70 (Rus)
[Combined radiotelemetric and radiographic study of the motor-evacuatory function of the stomach and duodenum] Esenin VI, et al.
Sov Med 33:13-5, Oct 70 (Rus)
[Diagnosis of pathological attachment of the placenta according to radiotelemetric data of intrauterine pressure] Davydov SN, et al.
Vopr Okhr Materin Det 15:30-5, Dec 70 (Rus)
[Telemetric control over cardiac activity in patients receiving balneotherapy] Anin IuL, et al.
Vrach Delo 3:14-6, Mar 71 (Rus)

INSTRUMENTATION

Radio and telephone system for multiple channel transmission of E.C.G.s. Macfarlane PW, et al.
Br Med J 3:702-3, 19 Sep 70
Laboratory note. A miniature transmitter suitable for telemetry of a wide range of biopotentials. Brown MW, et al.
Electroencephalogr Clin Neurophysiol 31:274-6, Sep 71
A compact six-channel integrated circuit EEG telemeter. Vreeland RW, et al.
Electroencephalogr Clin Neurophysiol 30:240-5, Mar 71
A multichannel telemetry system for use in exercise physiology. Skutt HR, et al.
IEEE Trans Biomed Eng 17:339-48, Oct 70
FM converter for tape recording of low-frequency biological data. Caldwell WM, et al.
J Appl Physiol 29:901-3, Dec 70
Frequency-to-voltage converter for recording animal temperatures by radiotelemetry. Riley JL.
J Appl Physiol 30:890-2, Jun 71
Simultaneous comparison and calibration of the Doppler and electromagnetic flowmeters. Vatner SF, et al. J Appl Physiol 29:907-10, Dec 70
Measurement of heat loss from the skin by means of radiotelemetry. Heal JW, et al.
J Physiol (Lond) 210:123P, Sep 70
A telemetry system for recording mastication in small animals. Rugh JD. Med Biol Eng 8:497-500, Sep 70
A radiotelemetry stimulator for conditioning of large animals. Caldwell WM, et al.
Psychophysiology 7:499-502, Nov 70
[Oral telemetry] De Boever J.
Rev Belge Med Dent 25:375-82, 1970 (Dut)
[Realization and trial of completely implantable microemitters intended for telemetric recording of the ECG and lower jaw movements in trout] Banville B, et al. J Physiol (Paris) 1:Suppl 1:83, 1969 (Fre)
[An apparatus for telemetric stimulation] La Grutta V, et al. Boll Soc Ital Biol Sper 46:954-7, 30 Nov 70 (Ita)
[Medical aspects of the Apollo programme] Haaland JA. Minerva Med 61:5732-40, 12 Dec 70 (Ita)
[Recording of the vectorcardiogram during exercise using the telemeter--its methods and clinical results] Kimura Z. Jap Circ J 34:359-66, Apr 70 (Jap)
[Basis of the telemetering method and its clinical application] Kawai K, et al.
Jap J Clin Med 28:2394-405, Oct 70 (53 ref.) (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Telemetric ultrasound measurement of blood circulation] Matsievskiĭ DD.
Biull Eksp Biol Med 70:119-21, Sep 70 (Rus)
[Miniature 1-channel radiotelemtric transmitter for EEG recording in animals and man] Tatolan SKh.
Fiziol Zh SSSR 57:130-2, Jan 71 (Rus)

STANDARDS

[Faithfull reproduction in multi-channel telemetry] Kofes A, et al.
Biomed Tech (Stuttg) 16:64-7, Apr 71 (Ger)

UTILIZATION

Telemetry in a large hospital--a look at the future. Bruner JM. IEEE Trans Biomed Eng 18:325-9, Sep 71

VETERINARY

A radiotelemetry system for transmitting physiologic data from animals. Riley JL.
Am J Vet Res 32:155-61, Jan 71
Radio telemeters for temperature and biopotentials. Reece FN, et al. Poult Sci 49:1589-93, Nov 70
[Evaluation of telemetrically derived stress electrocardiograms of the horse using an electronic computer] Reinhard HJ, et al.
Dtsch Tieraerztl Wochenschr 77:211-7, 1 May 70 (Ger)
[Telemetric monitoring of rumen activity in cattle. 2. Full-day monitoring after 2 different types of ration] Boldt E, et al.
Monatsh Vet Med 25:901-6, 1 Dec 70 (Ger)
[Telemetric monitoring of rumen activity in cattle. 1. Material and experimental method] Johansen H, et al.
Monatsh Vet Med 25:897-901, 1 Dec 70 (Ger)

TELENCEPHALON (A8)

Symptomatic cysts of the telencephalic choroid plexus. Neblett CR, et al.
J Neurol Neurosurg Psychiatry 34:324-8, Jun 71

ABNORMALITIES

Holoprosencephaly with hypoplasia of the optic nerves, dwarfism, and agenesis of the septum pellucidum. Ellenberger C Jr, et al.
Am J Ophthalmol 70:960-7, Dec 70
Median cerebrofacial dysgenesis. Laub DR, et al.
Calif Med 112:19-21, May 70
[Carotid artery angiogram of lobar holoprosencephaly] Grunert V, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:297-302, Sep 70 (Ger)

ANALYSIS

[Effect of progesterone on noradrenaline metabolism in the brain of ovariectomized rats] Ladisich W, et al.
Arzneim Forsch 20:906-8, Jul 70 (Ger)

ANATOMY & HISTOLOGY

The archistriatum of the pigeon: organization of afferent and efferent connections. Zeier H, et al.
Brain Res 31:313-26, 20 Aug 71
Telencephalon "impar", "semipar" and "totopar". (Morphogenetic, tectogenetic and architectonic definitions). Yakovlev PI. Int J Neurol 6:245-65, 1968
Telencephalon "impar", "semipar" and "totopar". (Morphogenetic, tectogenetic and architectonic definitions). Yakovlev PI. Int J Neurol 6:245-65, 1964
Connections of the nurse shark's telencephalon. Ebbesson SO, et al. Science 173:254-6, 16 Jul 71
[Radioautographic studies on the dependence of the 3H-thymidine index on age in the matrix-layers of the telencephalon of Lebistes reticulatus (Teleostei)] Richter W, et al.
Z Mikrosk Anat Forsch 81:530-54, 1970 (Ger)

BLOOD SUPPLY

[Adaptation of end-brain vessels to gravitational overloading acting in a head-pelvis direction] Zotova NI. Arkh Anat Gistol Embriol 59:59-68, Jul 70 (Rus)

CYTOLOGY

[Structural elements in in vitro cell cultures of central nervous tissue of newborn rats] Lindner G, et al.
Z Mikrosk Anat Forsch 83:331-40, 1971 (Ger)
[The effect of experimentally induced metamorphosis on the telencephalon and olfactory organ of Ambystoma mexicanum] Richter W, et al.
Z Mikrosk Anat Forsch 82:172-218, 1970 (Ger)

EMBRYOLOGY

Differentiation in small grafts of the median region of the presumptive prosencephalon. Boterenbrood EC.
J Embryol Exp Morphol 23:751-9, Jun 70
Late gestational changes in the human ganglionic eminence. Gilles FH, et al.
J Neuropathol Exp Neurol 30:134-5, Jan 71
[The effects of ablation of the pallium on the morphogenesis of the telencephalon of anoura] Clairambault P.
Acta Embryol Exp (Palermo) 3:205-20, 1970 (Fre)

ENZYMOLOGY

[Enzyme maturation in the smell organ and telencephalon of Ambystoma mexicanum] Wenk H, et al. Z Mikrosk Anat Forsch 82:93-121, 1970 (Ger)

GROWTH & DEVELOPMENT

Ultrastructural study on transcapillary exchanges in the developing telencephalon of the chicken. Delorme P, et al. Brain Res 22:269-83, 16 Sep 70
The effect of undernutrition and subsequent rehabilitation on the growth and chemical composition of the cerebellum, brainstem and fore-brain of the rat. Dickerson JW, et al.
Proc Nutr Soc 29:Suppl:4A-5A, May 70
[Estimate of oxidative phosphorylation yield in a mitochondrial fraction isolated from chicken telencephalon during development] Barberis C, et al.
C R Acad Sci [D] (Paris) 271:718-21, 24 Aug 70 (Fre)
[Influence of composition of suspension media on the yield of oxidative phosphorylation in a mitochondrial fraction isolated from chicken telencephalon during development] Barberis C, et al.
C R Acad Sci [D] (Paris) 271:1438-41, 19 Oct 70 (Fre)
[Considerations on the bioenergetics of chicken brain development] Gayet J, et al.
J Physiol (Paris) 63:53A, Mar-Apr 71 (Fre)
[Further studies on the appearance of post-embryonic matrix zones in the telencephalon of some mammals] Kirsche W.
Z Mikrosk Anat Forsch 82:122-45, 1970 (Ger)

METABOLISM

Increase in the content of adenosine 3',5'-monophosphate in mouse forebrain during seizures and prevention of the increase by methylxanthines. Sattin A.
J Neurochem 18:1087-96, Jun 71

PHYSIOLOGY

Visually guided behaviour after total neonatal removal or the neocortex in the cat. Norrsell K, et al.
Acta Physiol Scand 80:14A-15A, Dec 70
Depletion of catecholamines in vivo induced by electrical stimulation of central monoamine pathways. Arbuthnott GW, et al.
Brain Res 24:471-83, 18 Dec 70
Auditory evoked responses in the cerebrum (field L) and ovoid nucleus of the ring dove. Biederman-Thorson M. Brain Res 24:235-45, 1 Dec 70
Auditory responses of units in the ovoid nucleus and cerebrum (field L) of the ring dove. Biederman-Thorson M. Brain Res 24:247-56, 1 Dec 70
Archistriatal lesions and response inhibition in the pigeon. Zeier H. Brain Res 31:327-39, 20 Aug 71
Epileptic focus in the frog forebrain. Triggering of the focal discharge with sensory stimuli. Servit Z, et al.
Exp Neurol 28:371-83, Sep 70
Effect of para-chlorophenylalanine on basal forebrain stimulation. Wada JA, et al.
Exp Neurol 28:501-6, Sep 70
Forebrain pathways of reward in Rattus norvegicus. Routtenberg A.
J Comp Physiol Psychol 75:269-76, May 71
The optic projection in brain hemispheres of chick embryo. Sedláček J.
Physiol Bohemoslov 19:197-204, 1970
Electroencephalograms recorded from the telencephalon of the blinded chicken during behavioral sleep and wakefulness. Ookawa T.
Poult Sci 50:731-6, May 71
Vasopressin-evoked ACTH release in rats following forebrain removal. Dunn J, et al.
Proc Soc Exp Biol Med 136:1284-8, Apr 71
Response characteristics of pigeon forebrain cells to visual stimulation. Kimberly RP, et al.
Vision Res 11:475-8, May 71
[Changes in nutrition behavior of Tilapia rendalli after ablation of the dorsal telencephalic region, in different conditions of temperature and lighting] Privat F. Rev Suisse Zool 77:651-62, Sep 70 (Fre)
[Experimental studies on the regeneration of the telencephalon of Ambystoma mexicanum after the resection of both hemispheres] Winkelmann E, et al.
Z Mikrosk Anat Forsch 82:149-71, 1970 (Ger)
[Effect of lesions and electric stimulation of the telencephalon on operant behavior and reversal learning in pigeons] Zeier H, et al.
Z Tierpsychol 26:866-76, Nov 69 (Ger)

PHYSIOPATHOLOGY

[Regeneration in the telencephalon in juvenile and adult Lebistes reticulatus (Teleostei)] Richter W.
Z Mikrosk Anat Forsch 81:545-58, 1970 (Ger)

SURGERY

[Regenerative capacity of the telencephalon in an adult anuran amphibian] Lombardo F, et al.
Riv Neurobiol 16:111-35, Jan-Mar 70 (Ita)

TELEPAQUE see IOPANOIC ACID (D13)

TELEPATHY (F1)

Hypnosis and ESP: a controlled experiment. Moss T, et al. Am J Clin Hypn 13:46-56, Jul 70
ESP effects generated by affective states. Moss T, et al.
Behav Neuropsychiatry 2:8-12, 1970-71
Telepathy and dreams: a controlled experiment with electroencephalogram-electro-oculogram monitoring. Krippner S, et al.
J Nerv Ment Dis 151:394-403, Dec 70

TELEVISION (L)

Ciliary activity recorded by TV-monitor and photomultiplier tube. Håkansson CH, et al.
Acta Otolaryngol (Stockh) 71:508-10, Jun 71
Influences of television upon child psychology. Kreveien DA van.
Acta Paedopsychiatr (Basel) 37:19[illegible] D[illegible]
Immediate centering and tomographic [illegible]ion by means of roentgen television. Fr[illegible], et al. Acta Radiol [Diagn] (Stockh) 1[illegible]y 70
Breaking the television time-lock. [illegible] D.
Am Ann Deaf 115:592-6, Oct 70
Basic principles for instructional tele[illegible]naci C.
Am Ann Deaf 115:587-91, Oct [illegible]
Mathematics practice, drill and attitu[illegible]r vocational education. Hanks EK Jr.
Am Ann Deaf 115:624-5, Oct 70
ITV as a diagnostic tool. Hess W.
Am Ann Deaf 115:629-30, Oct 70
The Southwest Center and instructional television. Hester M. Am Ann Deaf 115:562, Oct 70
Designing a prototype television studio-laboratory. Jackson W. Am Ann Deaf 115:558-61, Oct 70
1970 survey of instructional television in programs for the deaf. Jackson W. Am Ann Deaf 115:615-8, Oct 70
A multi-media role for VTR. Laird R.
Am Ann Deaf 115:622, Oct 70
Videotapes in teacher preparation. Lorene J.
Am Ann Deaf 115:626-8, Oct 70
Electronic video recording. McIntire W.
Am Ann Deaf 115:597-600, Oct 70
The potential of television for teaching the deaf. Oflesh G. Am Ann Deaf 115:577-86, Oct 70
Television's neglected strenghts. Palmer EL.
Am Ann Deaf 115:601-4, Oct 70
Distribution ideas for videotape programs. Palmer EW.
Am Ann Deaf 115:573-6, Oct 70
Instructional television activities at the Midwest Center. Propp G. Am Ann Deaf 115:563-5, Oct 70
A survey of the reaction of hearing individuals to captioned television to benefit the hearing impaired. Root R. Am Ann Deaf 115:566-8, Oct 70
The slant track mushroom. Tettemer C.
Am Ann Deaf 115:605-10, Oct 70
Instructional Television: the closed circuit system and the portable videotape system. Thompson C.
Am Ann Deaf 115:611-4, Oct 70
Mediated interaction with individual television cameras. Wyman R. Am Ann Deaf 115:554-7, Oct 70
"Sesame Street" captioned for the deaf. Zlev J.
Am Ann Deaf 115:630-1, Oct 70
A closed circuit video--videorecorder microscope system for teaching histopathology. Okagaki T, et al.
Am J Clin Pathol 55:73-6, Jan 71
Videotape in ophthalmic surgery. Bronson NR 2d.
Am J Ophthalmol 71:544-8, Feb 71
24-hour psychiatric consultation via TV. Solow C, et al.
Am J Psychiatry 127:1684-7, Jun 71
Self-confrontation through video. Berger MM.
Am J Psychoanal 31:48-58, 1971
The perception of where a face or television "portrait" is looking. Anstis SM, et al.
Am J Psychol 82:474-89, Dec 69
Television violence. Guidelines for evaluation. Heller MS, et al. Arch Gen Psychiatry 24:279-85, Mar 71
Indirect television ophthalmoscopy. Dallow RL, et al.
Arch Ophthalmol 84:565-71, Nov 70
The reinforcing properties of a television presented listener. Yoder DE. ASHA Monogr 14:10-8, Jan 70
Open broadcast television in medical education. Meyrick RL. Br J Dermatol 83:498-503, Oct 70
Advantages and disadvantages of closed-circuit television in the teaching of large classes in preclinical medicine. Olson IA.
Br J Med Educ 4:312-5, Dec 70
Video-tape recording as an aid to behaviour therapy. Lautch H. Br J Psychiatry 117:207-8, Aug 70
Treatment plan optimization by the use of photographic film densitometry and closed-circuit television. Tatcher M, et al. Br J Radiol 43:664, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

General practitioners and medical television. Walker JH, et al. Br Med J 1:392-4, 13 Feb 71
Construction and use of a new portable, ring-stand, two-plane, low-dose, x-ray television unit for fracture surgery. Eriksson E.
Bull Soc Int Chir 30:8-11, Jan-Feb 71
Physician and public interest in medical television broadcasts: a report on two years' experience. Smith SL, et al. Can Med Assoc J 104:1101-3, 19 Jun 71
Emotional reactions of young children to TV violence. Osborn DK, et al. Child Dev 42:321-31, Mar 71
Educational crossroads: Madison Avenue and Sesame Street. Cooney JG.
Clin Pediatr (Phila) 10:449-50, Aug 71
Children and television. Parasitism or symbiosis? Faigel HC. Clin Pediatr (Phila) 10:442-5, Aug 71
A network's point of view toward programming for children. Heineman G.
Clin Pediatr (Phila) 10:466, Aug 71
Television as a major factor in the ecology of childhood. Looney G. Clin Pediatr (Phila) 10:445-6, Aug 71
Television and the school teacher. Miller B.
Clin Pediatr (Phila) 10:458-9, Aug 71
How does television influence the emotional world of children? Paul N. Clin Pediatr (Phila) 10:452-4, Aug 71
Problems related to learning in early childhood. Richmond JB. Clin Pediatr (Phila) 10:447-8, Aug 71
Communicating with children through television. Rogers F. Clin Pediatr (Phila) 10:456-8, Aug 71
Television advertising and the adolescent. Ward S. Clin Pediatr (Phila) 10:462-4, Aug 71
Brainwashing by commercials. Wolman IJ.
Clin Pediatr (Phila) 10:439-40, Aug 71
Action for childrens television inc.
Clin Pediatr (Phila) 10:441, Aug 71
Videotape as a medium of therapy. Rynearson RR, et al. Curr Psychiatr Ther 10:83-7, 1970
Rapid identification of human chromosomes by TV-techniques. Caspersson T, et al.
Exp Cell Res 63:477-9, Dec 70
Simplification in angiography and surgical television. O'Rourke J. Eye Ear Nose Throat Mon 50:123-4, Apr 71
TV magnification for partially-sighted. Weed CA.
Eye Ear Nose Throat Mon 50:199, Jun 71
Radiation emission from a television projection system. Matthews JD. Health Phys 18:541-5, May 70
Video Nursing, Inc. Hospitals 45:92-4, 16 Feb 71
Impact of TV violence on children.
HSMHA Health Rep 86:21-2, Jan 71
Cool:nursing--cool:television or McLuhanism applied. (McLuhan M), Minehan PL.
Int Nurs Rev 18:149-55, 1971
Capabilities of a single scan TV-radiographic system for digital data acquisition. Baily NA, et al.
Invest Radiol 6:273-9, Jul-Aug 71
PANMED: a multidisciplinary approach to televised continuing education for health professionals. DiBiaggio JA. J Am Dent Assoc 82:151-3, Jan 71
The stability of chronic schizophrenic speech on a standardized video-tape interview. Dinoff M, et al.
J Clin Psychol 27:191-4, Apr 71
TV tapes for teaching basic clinical scaling techniques. Poupard J. J Dent Educ 35:52, Feb 71
Pretest and posttest reactions to self-viewing one's teaching performance on video tape. Salomon G, et al.
J Educ Psychol 61:280-6, Aug 70
Televised aggression and the interpersonal aggression of preschool children. Steuer FB, et al.
J Exp Child Psychol 11:442-7, Jun 71
New directions for health education through instructional television. Fox R, et al.
J Sch Health 41:188-90, Apr 71
Television and practice. Silverman NR.
JAMA 217:1867, 27 Sep 71
Television epilepsy. Jeavons PM, et al.
Lancet 2:926, 31 Oct 70
Videotape in teaching electromyography. Suter C.
Mayo Clin Proc 46:265-7, Apr 71
A television device to provoke optokinetic nystagmus. Dascalov IC, et al. Med Biol Eng 8:529-30, Sep 70
Closed-circuit television in ophthalmology. Hansell P, et al. Med Biol Illus 21:33-6, Jan 71
Some uses of video-tape recording in language rehabilitation after brain damage. Hatfield FM.
Med Biol Illus 21:166-71, Jul 71
Editing video-tape recordings. 1. Lane AW.
Med Biol Illus 21:37-41, Jan 71
Editing video-tape recordings. 2. Lane AW.
Med Biol Illus 21:163-5, Jul 71
Prototype closed-circuit television and augio-visual systems installed at the new Medical School, Nottingham. Olson IA. Med Biol Illus 21:156-62, Jul 71
Increasing workshop production through self-visualization on videotape. De Roo WM, et al.
Ment Retard 9:22-5, Aug 71
The application of video tape replay in academic and clinic settings. Marshall NR, et al.
Ment Retard 8:17-9, Dec 70
Videotape keeps the training up to date, holds the cost down. Crandall GM. Mod Hosp 117:85-7, Jul 71
Homemade videotapes train staff and help patients understand hospital procedures. Jamron KS, et al.
Mod Hosp 117:87-8, Jul 71
These patients tell the tube where it hurts.
Mod Hosp 115:85-7, Nov 70
Swedish experiment designed to answer questions about CCTV. Mod Hosp 117:89-91, Jul 71
X-rays from domestic colour television receivers in Britain. O'Riordan MC, et al.
Nature (Lond) 228:420-1, 31 Oct 70
Television on nurses. 'Had you gone to St. X's ... Croton G. Nurs Times 67:563-5, 13 May 71
Nurses on television--how the BBC appeared to a nurse. Hector W. Nurs Times 67:565-7, 13 May 71
Smile--you're on TV. Videotape as a teaching aid. Woodhouse R. Nurs Times 67:541-3, 6 May 71
Teaching psychiatry through television. Loeb FF, et al.
Pa Med 74:55-8, Jan 71
Action for children's television: how pediatricians can help the ACT. Feinbloom RI.
Pediatrics 47:630-1, Mar 71
Video feedback in learning beginning trampoline. James PE. Percept Mot Skills 32:669-70, Apr 71
Videotape recordings: a tool for psychiatric clinical supervision. Muecke MA.
Perspect Psychiatr Care 8:200-8, Sep-Oct 70
A simple monitor for operating room photography. Butler LC Jr. Plast Reconstr Surg 47:600-1, Jun 71
The definition and evaluation of the skills required to obtain a patient's history of illness: the use of videotape recordings. Anderson J, et al.
Postgrad Med J 46:606-12, Oct 70
Broadcast television and medical education. McCloy J.
Practitioner 207:99-100, Jul 71
Mass media and the child. Apley J.
Proc R Soc Med 64:361-2, Apr 71
Television and our society today. Himmelweit HT.
Proc R Soc Med 64:369-72, Apr 71
Mass media and the child. Sims M.
Proc R Soc Med 64:362-5, Apr 71
Mass media and the child. Williams S.
Proc R Soc Med 64:367-9, Apr 71
The use of psychodrama combined with videotape playback on an inpatient floor. Gonen JY.
Psychiatry 34:198-213, May 71
Audiotape and videotape self-confrontation in psychotherapy. Bailey KG, et al.
Psychol Bull 74:127-37, Aug 70
Audiotape self-confrontation in group psychotherapy. Bailey KG. Psychol Rep 27:439-44, Oct 70
Effects of video playback of a person on his self-concept. Blount HP, et al.
Psychol Rep 26:867-70, Apr 70
Television tape for evaluation of treatment response. Alpert M. Psychosomatics 11:487-9, Sep-Oct 70
Color television survey in Pennsylvania. Lane RA.
Radiol Health Data Rep 12:137-8, Mar 71
Estimates of potential doses to various organs from X-radiation emissions from color television picture tubes. Neill RH, et al.
Radiol Health Data Rep 12:1-6, Jan 71
Results of a study of color television set assembly and repair workers X-ray safety. Savic SD.
Radiol Health Data Rep 11:519-25, Oct 70
An improved detector for video systems used in radionuclide studies. Griffith JM, et al.
Radiology 100:699-700, Sep 71
Rapid radiograph copying from closed-circuit television. Hayt DB. Radiology 100:698-9, Sep 71
Vidicon microscope for counting fluorescent particles. Dyer DL, et al. Rev Sci Instrum 42:508-11, Apr 71
Glasgow educational television service. Beaton WG.
Scott Med J 16:61-2, Jan 71
Effective artwork. Bourg HL Jr.
Scott Med J 16:75-9, Jan 71
An overview of medical television in the United States. Cole NL. Scott Med J 16:50-3, Jan 71
Film from television. Hansell P.
Scott Med J 16:69-70, Jan 71
Postgraduate education with closed-circuit colour television--'Medicovision' Roche. Klingler M.
Scott Med J 16:71-2, Jan 71
The potentialities of television as a sole and as an ancillary teaching medium. MacLean R.
Scott Med J 16:66-8, Jan 71
Television in the medical school at the University of Glasgow. MacRitchie J. Scott Med J 16:54-7, Jan 71
The development of television as a teaching aid in the local hospital. Main RG. Scott Med J 16:58-60, Jan 71
Problems in the evaluation of broadcast medical programmes. Meyrick RL. Scott Med J 16:63-5, Jan 71
Electronic video recording and reproduction (EVR). Yarborough JE. Scott Med J 16:73-4, Jan 71
Television dependency and family relationships amongst juvenile delinquents in the United Kingdom. Chaney DC. Sociol Rev 18:103-13, Mar 70
Contemporary education with color television. Tardy ME Jr, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:837-40, Jul-Aug 71
Vision substitution by tactile image projection. Bach-y-Rita P, et al.
Trans Pac Coast Otoophthalmol Soc 50:83-91, 1969 (3 ref.)
Monitoring pulsations in echo-encephalography with the help of a video-recorder. Meijer JG, et al.
Ultrasonics 9:166-70, Jul 71
CBS and the military and medicine.
Va Med Mon 98:462-3, Aug 71
Fits in dogs--television a possible aetiology? Gething DJ. Vet Rec 88:405-6, 10 Apr 71
[Television in the medical community]
S Afr Med J 44:802, 11 Jul 70 (Afr)
[The use of roentgen-television and roentgen cinematoraphy in urology] Minkov N, et al.
Khirurgiia (Sofiia) 22:488-93, 1969 (Bul)
[The eyes and television] Dubois-Poulsen A.
Ann Ocul (Paris) 204:371-86, Apr 71 (Fre)
[Detection, in the cat, of receptor fields of visual neurons by projecting images upon a stationary or moving television screen] Veraart C.
Arch Int Physiol Biochim 78:576-7, Aug 70 (Fre)
[Televised hysterosalpingography] Bourg R.
Bull Acad R Med Belg 9:365-98, Apr 69 (Fre)
[Systematic radiologic detection of gastrointestinal and thoracic cancers] Gallina MF.
J Radiol Electrol Med Nucl 51:163-8, Mar-Apr 70 (Fre)
[Demonstration of fluorescence angiography of the human retina on television] Gnad HD.
Albrecht von Graefes Arch Klin Ophthalmol 182:170-4, 1971 (Ger)
[Sequential roentgen-stereotelevision using Vidikon] Fritzsche W.
Biomed Tech (Stuttg) 16:62-3, Apr 71 (Ger)
[A simple method for the visualization of isodose curves in radiology] Höfer O, et al.
Elektromed Biomed Tech 15:231-2, Nov 70 (Ger)
[Pupillography by means of a television system] Kirchner F.
Elektromed Biomed Tech 15:181-4, Sep 70 (Ger)
[The brain damaged and television] Schulz E.
Nervenarzt 41:463-6, Sep 70 (Ger)
[The videocorder as a therapeutic aid. A behavior therapeutic technic in convicts] Berner P, et al.
Z Psychother Med Psychol 21:21-7, Jan 71 (Ger)
[The use of closed television circuits in the reproduction of scintiscanning images and of scintiphotographs with the scintillation camera] Ziliotto D, et al.
Acta Isot (Padova) 8:341-54, 15 Dec 68 (Ita)
[The television center (TVcc) for teaching of human anatomy in the University of Rome] Fumagalli Z.
Biol Lat 22:161-75, Jul-Sep 69 (Ita)
[Cardiac scintigraphy with Cs 131. Elaboration with closed circuit television (Chromo-Scan II) of myocardial infarct scintigrams] Legnaioli M, et al.
Cardiol Prat 21:111-3, Apr 70 (Ita)
[Color television and X radiation] Fossati F.
Radiol Med (Torino) 56:385-93, May 70 (Ita)
[X-ray television macrofluoroscopy using a small focus tube: consideration on formation content and patient dose] Fujita T.
Nippon Acta Radiol 30:615-25, Oct 70 (Jap)
[Diagnostic accuracy of x-ray TV indirect roentgenography of the stomach with eighteen films] Watanabe N.
Nippon Acta Radiol 31:286-306, Jun 71 (Jap)
[Harmonization of x-ray photography] Suzuki S, et al.
Rinsho Hoshasen 16:241-9, Mar 71 (Jap)
[Reexamination of salpingography--observation through television fluoroscopy] Yamamoto H, et al.
Sanfujinka Jissai 20:552-6, May 71 (Jap)
["Open Letter"] Hauge HE.
Tidsskr Nor Laegeforen 91:381, 20 Feb 71 (Nor)
[New method, for the removal of intraocular foreign bodies by using television] Lani LE.
Rev Bras Oftalmol 30:177-8, Jun 71 (Por)
[Laparoscopic roentgenotelevision cholecystocholangioscopy] Milonov OB, et al.
Khirurgiia (Mosk) 46:107-14, Jun 70 (Rus)
[Radiofunctional study of the gallbladder and biliary tract] Rabkin IKh, et al.
Klin Med (Mosk) 48:95-101, Nov 70 (Rus)
[Use of an analog computer for the analysis of the pictures of biological objects] Lednev IA, et al.
Lab Delo 9:565-7, 1970 (Rus)
[Transformation of the 2-dimensional image of scannogram into axonometric] Lednev IA, et al.
Med Radiol (Mosk) 15:72-5, Oct 70 (Rus)
[Complex of apparatus for depth vision: the telebathyscope] Rozenfel'd EB, et al.
Nov Med Priborostr 2:56-61, 1969 (Rus)
[Automatic fine tuner in monitoring television systems] Shatskif BA, et al.
Nov Med Priborostr 2:62-8, 1969 (Rus)
[Endonasal transphenoidal removal of hypophyseal tumors under x-ray television screen control] Blagoveshchenskaia NS, et al.
Vestn Otorinolaringol 33:73-9, Jan-Feb 71 (Rus)
[Televised radiocholangiomanometry] Chikiar A, et al.
Prensa Med Argent 58:734-7, 4 Jun 71 (Spa)
[Repositioning and pinning collum femoris fractures with the aid of x-ray television] Eriksson E, et al.
Lakartidningen 68:2364-8, 12 May 71 (Swe)
[Questions of public interest in health education topics in mass communication media] Kliment P.
Cesk Zdrav 19:223-8, 1971 (Slo)

STANDARDS

Contemporary broadcasting as related to the needs of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

children. Condry J.
Clin Pediatr (Phila) 10:459-61, Aug 71
Tomorrow's programs for children: who, what and where. Culkin J. Clin Pediatr (Phila) 10:448-9, Aug 71
Television and education as it appears to a member of Congress. Heckler M.
Clin Pediatr (Phila) 10:451, Aug 71
A producer's point of view on television for children. Henson J. Clin Pediatr (Phila) 10:465, Aug 71
The responsibilities of the broadcaster. Jennings RM.
Clin Pediatr (Phila) 10:461-2, Aug 71
Television and social behavior. A challenge for research. Rubinstein E.
Clin Pediatr (Phila) 10:454-5, Aug 71

UTILIZATION

Television micromeasurement of vented and non-vented cast crown marginal adaptation. Jones MD, et al. Dent Clin North Am 15:663-77, Jul 71
[Transmission of x-ray pictures in TV channels and TV links] Soila P. Nord Med 85:937, 5 Aug 71 (Swe)

TELLURIUM (D1)

The localization of tellurium in tellurium-induced hydrocephalus. Duckett S, et al.
Experientia 27:432-4, 15 Apr 71
Autoradiography of a gamma-emitter, tellurium 127m, in fetal rats. Scott T, et al.
Stain Technol 46:95-6, Mar 71

ANALYSIS

[Selenium and tellurium in the air in the region of copper electrolyte plants] Seliankina KP, et al.
Gig Sanit 35:95-6, Mar 70 (Rus)

PHARMACODYNAMICS

The effects of selenium and tellurium compounds on pigmentation of granules of Trichomycosis axillaris. Duncan WC, et al. Int J Dermatol 9:226-31, Jul-Sep 70
Interrelationship between selenium and specific trace elements. McConnell KP, et al.
Proc Soc Exp Biol Med 137:996-1001, Jul 71
[Influence of sodium selenite, sodium tellurite and sodium sulfite on retention and distribution of cadmium in mice] Eybl V, et al.
Arch Toxikol 26:167-75, 1970 (Ger)

POISONING

Tellurium neuropathy. Lampert P, et al.
J Neuropathol Exp Neurol 30:142, Jan 71

TOXICITY

Fetal encephalopathy following ingestion of tellurium. Duckett S. Experientia 26:1239-41, 15 Nov 70

TEMARIL see TRIMEPRAZINE (D6)

TEMPERAMENT see under PERSONALITY (F1)

TEMPERATURE (G3, H)

see also related
BODY TEMPERATURE (E1, G1)
THERMOMETERS (E1, E5)

Semiconductor property of frog sartorious muscle. Nagy L.
Acta Biochim Biophys Acad Sci Hung 5:341-8, 1970
Water evaporation from normal skin under different environmental conditions. Lamke LO, et al.
Acta Derm Venereol (Stockh) 51:111-9, 1971
Automatic control of temperature in the incubator. Suzuki M, et al.
Acta Med Biol (Niigata) 18:173-81, Dec 70
The effect of temperature on the development of immunofluorescent elements in herpes simplex virus infected BS-C-1 cells. Géder L, et al.
Acta Microbiol Acad Sci Hung 17:77-84, 1970
Effect of temperature in interferential properties of tick-borne encephalitis (TE) virus.
Dąbek-Szreniawska M.
Acta Microbiol Pol [A] 2:133-8, 1970
The functioning of the membranes of the cells of mesophilic and thermophilic varieties of Bacillus megaterium. Janota-Bassalik L, et al.
Acta Microbiol Pol [B] 3:43-8, 1971
An instrument for maintaining a thermo- and humidity-stable environment. Glantz PO.
Acta Odontol Scand 28:851-7, Dec 70
Influence of environmental temperature and acidosis on lipid mobilization in the human infant during the first two hours after birth. Persson B, et al.
Acta Paediatr Scand 60:385-96, Jul 71
Gas chromatography and electron capture detection of benzophenones. 6. Effects of structure and temperature on the sensitivity. Vessman J, et al.
Acta Pharm Suec 8:235-50, Jun 71
Energy metabolism during isometric exercise at different temperature of M. quadriceps femoris in man. Edwards RH, et al.
Acta Physiol Scand 80:17A-18A, Dec 70
The effect of temperature on the variability of ECHO 9 (Hill) virus: description of mutants. Jabloński L.
Acta Virol (Praha) 15:28-34, Jan 71
Introduction--the scope of the symposium. Lambertsen CJ, et al. Aerosp Med 41:1265, Nov 70
Effect of immersion at different water temperatures on graded exercise performance in man. Moore TO, et al. Aerosp Med 41:1404-8, Dec 70
Thermal loads in lunar ambulation. Stolwijk JA.
Aerosp Med 41:1286-8, Nov 70
Data regarding the problem of physical allergies. Brassai Z, et al. Allerg Asthma (Leipz) 16:68-74, 1970
Inaccuracies of the sling psychrometer caused by thermal radiation or inadequate wick. Humphreys CM, et al. Am Ind Hyg Assoc J 31:609-17, Sep-Oct 70
A new technique for measurement of cardiac output by thermodilution in man. Ganz W, et al.
Am J Cardiol 27:392-6, Apr 71
Measurement of cardiac output by thermal dilution. Sanmarco ME, et al. Am J Cardiol 28:54-8, Jul 71
Temperature, skeletal muscle mitochondrial functions, and oxygen debt. Brooks GA, et al.
Am J Physiol 220:1053-9, Apr 71
Physiological responses of the lizard Sauromalus obesus to changes in ambient temperature. Crawford EC Jr, et al. Am J Physiol 220:1256-60, May 71
Effect of odor composition and environment on olfactory receptor potential of the fly. Kay RE.
Am J Physiol 220:1473-80, May 71
Effect of temperature and calcium ions on rate constants of myelinated nerve. Moore LE.
Am J Physiol 221:131-7, Jul 71
Blood gases in hibernating and active ground squirrels: HbO2 affinity at 6 and 38 C. Musacchia XJ, et al.
Am J Physiol 221:128-30, Jul 71
Effects of hypoxia, reoxygenation, and temperature on cat papillary muscle. Nakhjavan FK, et al.
Am J Physiol 220:1289-93, May 71
Effect of ambient temperature on the thermochemical efficiency of growth. Parks JR.
Am J Physiol 220:578-82, Feb 71
Influence of temperature and hematocrit on blood viscosity. Snyder GK. Am J Physiol 220:1667-72, Jun 71
Effect of temperature and inhibitors on serotonin-14C release from human platelets. Valdorf-Hansen JF, et al. Am J Physiol 220:105-11, Jan 71
Effect of ambient temperature on gastric secretion and food intake in the rat. Witty RT, et al.
Am J Physiol 219:1359-62, Nov 70
Effects of 20 years' storage on lyophilized cultures of bacteria, molds, viruses, and yeasts. Rhoades HE.
Am J Vet Res 31:1867-70, Oct 70
Environmental temperature and response to premedicant drugs. Simpson JM.
Anaesthesia 25:508-17, Oct 70
Measurement of temperature within the sample cell during sedimentation velocity experiments.
Incardona NL, et al. Anal Biochem 40:267-80, Apr 71
A system for automatic temperature-programmed recording of circular dichroism and optical rotatory dispersion. Martz WW, et al.
Anal Biochem 39:327-32, Feb 71
The effect of temperature differentials upon the differentiation of Mauthner's cell in Ambystoma. Piatt J. Anat Rec 169:41-3, Jan. 71
Effect of temperature and gallaine on canine gastrocnemius-plantaris muscle oxygen consumption. Theye RA. Anesth Analg (Cleve) 49:551-7, Jul-Aug 70
A method of quantitating humidity in the anesthesia circuit by temperature control: semiclosed circle.
Weeks DB, et al.
Anesth Analg (Cleve) 49:292-6, Mar-Apr 70
Modification of the radiometer BMS-3 electrode system to improve thermal stability. Bainton CR, et al.
Anesthesiology 33:548-50, Nov 70
The anomalous temperature dependence of enzyme-catatlyzed reactions. Talsky G.
Angew Chem [Engl] 10:548-54, Aug 71
Modulation of drinking by ambient temperature changes. Budgell P. Anim Behav 18:753-7, Nov 70
A simple device for producing fluctuating temperatures, with an evaluation of the ecological significance of fluctuating temperatures. Hagstrum DW, et al. Ann Entomol Soc Am 63:1385-9, Sep 70
A temperature marker test for the differentiation of strains of Herpesvirus hominis. Longson M.
Ann Inst Pasteur (Paris) 120:699-706, May 71
Influence of ambient temperature on patient temperature during intraabdominal surgery. Morris RH. Ann Surg 173:230-3, Feb 71
Relations between growth conditions and the content of nitrogen compounds in cells of Candida utilis. Lorenz M.
Antonie van Leeuwenhoek 35:Suppl:F1-2, Jun 69
Effects of atmospheric humidity and temperature on the survival of airborne Flavobacterium. Ehrlich R, et al. Appl Microbiol 20:884-7, Dec 70
Tremorgenic toxins from penicillia. 3. Tremortin production by Penicillium species on various agricultural commodities. Hou CT, et al.
Appl Microbiol 21:1101-3, Jun 71
Influence of incubation temperature and sodium heptadecyl sulfate (Tergitol No. 7) on the isolation of salmonellae from pork sausage. Morris GK, et al.
Appl Microbiol 20:192-5, Aug 70
Zonal centrifuge applied to the purification of Herpesvirus in the Lucké frog kidney tumor. Toplin I, et al. Appl Microbiol 21:132-9, Jan 71
The effect of temperature on the activity of (Naplus plus K plus)-ATPase. Charnock JS, et al.
Arch Biochem Biophys 142:633-7, Feb 71
Temperature-dependent interferon-sensitivity of foot-and-mouth disease virus. Ahl R.
Arch Gesamte Virusforsch 32:163-70, 1970
Effects of temperature on viral RNA synthesis and RNA polymerase activity in a foot-and-mouth disease virus system. Delagneau JF.
Arch Gesamte Virusforsch 32:318-28, 1970
Variations in external calcium concentration and sensitivity of venous smooth muscle to temperature changes. Heyndrickx G, et al.
Arch Int Physiol Biochim 79:169-70, Jan 71
The effect of cobalt on the oxygen consumption of rats at various ambient temperatures. Miller AT Jr, et al.
Arch Int Physiol Biochim 78:475-9, Aug 70
Sleep and environmental temperature. Parmeggiani PL, et al. Arch Ital Biol 108:369-87, Apr 70
Ciliary body temperatures in cryosurgery. De Roetth A Jr. Arch Ophthalmol 85:204-10, Feb 71
Effect of ambient temperature on circulatory response to experimental ischemia in the human forearm and hand. Abramson DI, et al.
Arch Phys Med Rehabil 52:97-106, Mar 71
Operating room temperature and the anesthetized, paralyzed patient. Morris RH.
Arch Surg 102:95-7, Feb 71
On the stability of a nicotinamido-methylaminopyrazolone (Ra 101). Banci F, et al. Arzneim Forsch 20:1030-2, Aug 70
The effect of the thermal environment on pressure-flow curves for human skin. Ludbrook J.
Aust J Exp Biol Med Sci 49:185-96, Apr 71
Properties of fructose-1,6-diphosphate aldolase from two thermophilic and a mesophilic clostridia. Barnes EM, et al. Biochim Biophys Acta 227:199-203, 13 Jan 71
Physico-chemical properties of nucleosides. 4. Gel formation by quanosine and its analogues. Chantot JF, et al. Biochimie 53:347-54, 1971
The effect of temperature on fluoride-resistant serum cholinesterase. King J, et al.
Br J Anaesth 43:669-72, Jul 71
Thermal limits for industrial workers. Bell CR, et al.
Br J Ind Med 28:259-64, Jul 71
The effects of environmental temperature on the growth and metabolism of pis given different amountsof food. 1. Nitrogen metabolism, growth and body composition. Fuller MF, et al.
Br J Nutr 25:259-72, Mar 71
Effect of temperature on the intra-hepatic vasculature. Absolon KB, et al. Br J Pharmacol 41:709-10, Apr 71
Temperature dependence of catecholamine depletion by reserpine in the heart of the toad (Bufo marinus). Chang P, et al. Br J Pharmacol 42:371-4, Jul 71
The effect of temperature on the metabolic activity and growth rate of the VX2 carcinoma in rabbits. Muckle DS, et al. Br J Surg 57:863-4, Nov 70
Ice-cooled preservation of kidneys damaged by warm ischaemia. Pena JR, et al. Br J Surg 58:653-6, Sep 71
Efeect of temperature on hospital admissions for myocardial infarction in a subarctic area. Sotaniemi E, et al. Br Med J 4:150-1, 17 Oct 70
Temperature dependence of the Eiovich equation derived from activated electron or ion transport across a biological interface, with an application to muscle spindle adaptation. Cope FW.
Bull Math Biophys 33:39-47, Mar 71
Calculation of temperature increase in the eye produced by intense light. Roulier A.
Bull Math Biophys 32:403-27, Sep 70
Effects of temperature on the irritability caused by DDT and DDT-analogues in anopheline mosquitos. Kaschef AH. Bull WHO 42:917-30, 1970
Effect of irradiation temperature in the range--196 to 95C on the resistance of spores of Clostridium botulinum 33A in cooked beef. Grecz N, et al.
Can J Microbiol 17:135-42, Feb 71
Initial temperature sensitivity of streptomycin-dependent and tryptophan transformants of Bacillus subtilis. McDonald WC.
Can J Microbiol 17:823-5, Jun 71
The temperature dependence of mortality rate in starved yeast cells. Matsumoto S.
Can J Microbiol 17:179-82, Feb 71
A nomogram for calculation of the wet bulb-globe temperature index. Kuehn LA, et al.
Can J Physiol Pharmacol 48:832-4, Dec 70
The effects of in vivo light and temperature acclimation on in vitro responses of heart rate to temperature in a cold-climate reptile, Thamnophis sirtalis parietalis. Aleksiuk M.
Can J Zool 48:1155-61, Nov 70
Influence of acclimation temperature on rate constants for thyroid uptake of iodide by brook trout, Salvelinus fontinalis (Mitchill). Smith CD, et al.
Can J Zool 49:783-6, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Temperature-sensitive conditional lethal mutants of somatic cells. Siminovitch L. Can Med Assoc J 103:875-9, 17 Oct 70

Simultaneous determination of the stroke volume and the left ventricular residual fraction with the fiberoptic- and thermodilution method. Bussmann WD, et al. Cardiovasc Res 5:136-40, Jan 71

The surface temperature of electromagnetic velocity probes. Jones MA, et al. Cardiovasc Res 4:388-97, Jul 70

The effects of temperature and position on the sucking pressure of newborn infants. Elder MS. Child Dev 41:95-102, Mar 70

Analytical prediction of the temperature field emanating from a cryogenic surgical cannula. Cooper TE, et al. Cryobiology 7:79-83, Sep-Oct 70

Preservation of erythrocytes in blood containing various cryoprotective agents, frozen at various rates and brought to a given final temperature. Rapatz G, et al. Cryobiology 5:18-25, Jul-Aug 68

Temperature-sensitive mutations in drosophila melanogaster. VI. Temperature effects on development of sex-linked recessive lethals. Tarasoff M, et al. Dev Biol 23:492-509, Nov 70

The phenogenetics of a temperature sensitive, autosomal dominant, female sterile gene in Drosophila melanogaster. Yarger RJ, et al. Dev Biol 24:166-77, Feb 71

The effect of ambient temperature on restraint ulcer in the rat. Martin MS, et al. Digestion 3:331-7, 1970

A relationship between environmental temperature and plasma MSH activity in castrated male Spanish goats. Peaslee MH, et al. Endocrinology 88:1275-6, May 71

Tolerance times of high wet bulb temperatures by acclimatised and unacclimatised men. Wyndham CH, et al. Environ Res 3:339-52, Nov 70

Nuclear-cytoplasmic exchange of RNA and protein: effect of temperature and serum. Horisberger M, et al. Exp Cell Res 62:467-70, Oct 70

Temperature effects on multi-enzyme systems in single living ascites cells. Kohen E, et al. Exp Cell Res 64:339-49, Feb 71

Cold storage as a method for accumulating mitotic HeLa cells without impairing subsequent synchronous growth. Lesser B, et al. Exp Cell Res 62:470-3, Oct 70

Chloroplast senescence in nongrowing tissue in darkness: Effects of temperature and age. Haber AH. Exp Gerontol 6:179-85, Apr 71

Temperature and metabolism in Leishmania. II. Aldolase in L. adleri, L. donovani, L. mexicana, and L. tarentolae. Poorman AE, et al. Exp Parasitol 26:329-35, Dec 69

Moniliformis dubius: X-irradiation and temperature effects on morphogenesis in Periplaneta americana. Robinson ES, et al. Exp Parasitol 29:292-301, Apr 71

The influence of temperature upon the change from the male to the female phase in Ophryotrocha puerilis puerilis, a polychaete worm. Bacci G, et al. Experientia 26:1273-4, 15 Nov 70

Effect of temperature on survival of gamma-irradiated seeds of Arabidopsis thaliana. Daly KR. Experientia 27:81-3, 15 Jan 71

On the synthesis of poliovirus RNA at supraoptimal temperatures. La Colla P, et al. Experientia 27:479-81, 15 Apr 71

Effect of temperature on sympathetic transmission in the human fallopian tube. Nakanishi H, et al. Fertil Steril 21:329-34, Apr 70

Thermal behaviour of variously acclimatized individuals of Polydesmus complanatus L. (Diplopoda) in a temperature gradient. Gromysz-Kalkowska K. Folia Biol (Krakow) 18:205-19, 1970

The influence of body weight, external temperature, seasons of the year and fasting on respiratory metabolism in Polydesmus complanatus L. (Diplopoda). Gromysz-Kalkowska K. Folia Biol (Krakow) 18:311-26, 1970

Morpho-functional study of hypothalamic neurosecretion. V. The effect of light and temperature in Rana temporaria. Srebro Z. Folia Biol (Krakow) 18:237-46, 1970

Alcian blue binding properties of gastric juice. Piper DW, et al. Gastroenterology 59:534-8, Oct 70

Genetic effects of fluctuating temperature in populations of Drosophila melanogaster. Long T. Genetics 66:401-16, Oct 70

The threshold theory of ageing. Hollingsworth MJ. Gerontologia 16:252-8, 1970

Direct and transfer response of rats selected for growth at two environmental temperatures. Roubicek CB, et al. Growth 35:1-10, Mar 71

Temperature effects on the maturation of midges (Tendipedidae) and their sorption of radionuclides. Harvey RS. Health Phys 20:613-6, Jun 71

Temperature effects on the sorption of radionuclides by freshwater algae. Harvey RS. Health Phys 19:293-7, Aug 70

Interaction of temperature, age and sex on the retention of radiocesium by rats. Lengemann FW. Health Phys 19:785-90, Dec 70

Does the elimination rate of cesium in humans change with the seasons? Lloyd RD, et al. Health Phys 18:623-9, Jun 70

Influence of salinity and temperature on the accumulation of cesium-137 by an estuarine clam under laboratory conditions. Wolfe DA, et al. Health Phys 18:499-505, May 70

Food temperature control. Ross LN. Hospitals 45:67-70, 16 Jun 71

The physiological cost of carrying loads in temperate and hot environments. Kamon E, et al. Hum Factors 13:153-61, Apr 71

Nodal network simulation of transient temperature fields from cooling sources in anesthetized brain. Trezek GJ, et al. IEEE Trans Biomed Eng 17:281-6, Oct 70

The effect of temperature on the reactivity of guinea-pig complement with gamma G and gamma M haemolytic antibodies. Frank MM, et al. Immunology 19:967-74, Dec 70

Effect of varying environmental temperature on blood glucose level in Indian frog, Rana tigrina. Maitrya BB, et al. Indian J Exp Biol 8:339-40, Oct 70

Effects of temperature on acetylcholine synthesis and release in perfused human placenta. Raghavan KS, et al. Indian J Med Res 58:1718-23, Dec 70

Characteristics of poliovirus type-I strains isolated in Bombay prior to and after the introduction of live oral polio virus vaccine RCT-40 degrees C (reproductive capacity at 40 degrees C temperature) marker and 'A' marker findings. Rao VK, et al. Indian J Med Sci 24:487-97, Aug 70

Interrelationship between caeruloplasmin PBI and atmospheric temperature in cattle. II. Temperature and its effect on caeruloplasmin, PBI and in vitro carotene conversion. Kapoor UR, et al. Indian Vet J 48:272-8, Mar 71

Studies on bovine semen diluted with illini variable temperature diluent. (Effect of storage temperature and addition of ascorbic acid). Ulaganathan V. Indian Vet J 47:1059-66, Dec 70

The effect of temperature and some mediator antagonists on anaphylactic shock in mice. Csaba B, et al. Int Arch Allergy Appl Immunol 40:316-20, 1971

Comparison of the comfort conditions in different urban and suburban microenvironments. Clarke JF, et al. Int J Biometeorol 15:41-54, Mar 71

The effects of ambient temperature, nature and temperature of the floor and radiant heat on the metabolic rate of the new-born pig. Stephens DB, et al. Int J Biometeorol 14:275-83, Sep 70

Influence of postbreeding thermal stress on conception rate in beef cattle. Dunlap SE, et al. J Anim Sci 32:1216-8, Jun 71

Effect of environmental temperature on physiological characteristics of pigs with fast and slow glycolyzing muscle. Topel DG, et al. J Anim Sci 32:1103-6, Jun 71

Individual differences in critical temperatures among rats at various ages. Blackmore D. J Appl Physiol 29:556-9, Nov 70

Variable-temperature nerve chamber. Meyer JR, et al. J Appl Physiol 29:746, Nov 70

Total body cooling in warm environments. Shvartz E, et al. J Appl Physiol 31:24-7, Jul 71

Role of air temperature and wind in the time necessary for a finger to freeze. Wilson O, et al. J Appl Physiol 29:658-64, Nov 70

Bacillus thuringiensis sporulation at suboptimal temperature. Aronson JN, et al. J Bacteriol 105:445-8, Jan 71

Induction of nonpigmented variants of Erwinia herbicola by incubation at supraoptimal temperatures. Chatterjee AK, et al. J Bacteriol 105:107-12, Jan 71

Temperature-sensitive mutants of Escherichia coli affecting beta-galactoside transport. Crandall M, et al. J Bacteriol 105:609-19, Feb 71

Influence of temperature on the iron metabolism of a fluorescent pseudomonad. Garibaldi JA. J Bacteriol 105:1036-8, Mar 71

Control of expression of the L-arabinose operon in temperature-sensitive mutants of gene araC in Escherichia coli B-r. Irr J, et al. J Bacteriol 105:136-41, Jan 71

Effect of temperature on the fatty acid composition of Thermus aquaticus. Ray PH, et al. J Bacteriol 106:25-30, Apr 71

Temperature sensitivity of maltose utilization and lambda resistance in Escherichia coli B. Ronen A, et al. J Bacteriol 106:791-6, Jun 71

Determination of the minimal temperature for growth of Escherichia coli. Shaw MK, et al. J Bacteriol 105:683-4, Feb 71

Temperature control of phospholipid biosynthesis in Escherichia coli. Sinensky M. J Bacteriol 106:449-55, May 71

Chromosome transfer and recombinant formation with deoxyribonucleic acid temperature-sensitive strains of Escherichia coli. Stallions DR, et al. J Bacteriol 105:886-95, Mar 71

Biochemical and genetic characterization of a temperature-sensitive, tryptophanyl-transfer ribonucleic acid synthetase mutant of Bacillus subtilis. Steinberg W, et al. J Bacteriol 105:6-19, Jan 71

Influence of temperature of incubation and type of growth medium on pigmentation in Serratia marcescens. Williams RP, et al. J Bacteriol 106:438-43, May 71

Studies on low temperature spectra of respiratory pigments. I. Measurement of absorption spectra between liquid helium and room temperatures. Hagihara B, et al. J Biochem (Tokyo) 69:355-62, Feb 71

Studies on temperature sensitivity on adrenaline-induced lipolysis in rat adipose tissue. Okuda H, et al. J Biochem (Tokyo) 69:677-81, Apr 71

Temperature-induced phase changes in mitochondrial membranes detected by spin labeling. Raison JK, et al. J Biol Chem 246:4036-40, 25 Jun 71

Comparative studies on the interaction of benzpyrene with cells derived from poikilothermic and homeothermic vertebrates. II. Effect of temperature on benzpyrene metabolism and cell multiplication. Clark HF, et al. J Cell Physiol 77:385-92, Jun 71

Differential temperature sensitivity of normal and cancer cells in culture. Levine EM, et al. J Cell Physiol 76:373-9, Dec 70

Stabilizing effects of D2O on the microtubular components and needle-like form of heliozoan axopods: a pressure-temperature analysis. Marsland D, et al. J Cell Physiol 77:187-94, Apr 71

Evidence for four classes of microtubules in individual cells. Behnke O, et al. J Cell Sci 2:169-92, Jun 67

Platelet storage at 22 degrees C; metabolic, morphologic, and functional studies. Murphy S, et al. J Clin Invest 50:370-7, Feb 71

Inconsistency of temperature in plastic containers. Corner N, et al. J Clin Pathol 23:646, Oct 70

The temperature activity relationships of serum cholinesterases. King J, et al. J Clin Pathol 23:730-2, Nov 70

Thermoregulatory set point during exercise: a behavioral approach. Cabanac M, et al. J Comp Physiol Psychol 76:94-102, Jul 71

Arousal and impairment: temperature effects on following during imprinting. Fischer GJ. J Comp Physiol Psychol 73:412-20, Dec 70

Thermal motivation in the rat. Matthews TJ. J Comp Physiol Psychol 74:240-7, Feb 71

Learned taste and temperature aversions due to lithium chloride sickness after temporal delays. Nachman M. J Comp Physiol Psychol 73:22-30, Oct 70

Relation of ambient temperature and time postfeeding on ruminal, arterial and venous volatile fatty acids, and lactic acid in holstein steers. Martz FA, et al. J Dairy Sci 54:520-5, Apr 71

Morphogenesis in hydra. II. Peduncle and basal disc formation at the distal end of regnerating hydra after exposure to low temperatures. Corff SC, et al. J Embryol Exp Morphol 24:21-32, Aug 70

Circadian rhythm of locomotion and its temperature dependence in Blattella germanica. Dreisig H, et al. J Exp Biol 54:187-98, Feb 71

Effects of sub-lethal high temperature on an insect, Rhodnius prolixus (Stål.). V. A possible mechanism of the inhibition of reproduction. Okasha AY. J Exp Biol 53:37-45, Aug 70

Effects of sub-lethal high temperature on an insect, Rhodnius prolixus (Stål.). IV. Egg formation, oviposition and sterility. Okasha AY, et al. J Exp Biol 53:25-36, Aug 70

Ambient temperature and the flicker-fusion threshold. Lockhart JM. J Exp Psychol 87:314-9, Mar 71

Effects of temperature on the kinetics of malate dehydrogenases in the developing eggs and adult muscle of Ascaris lumbricoides (Nematoda). Barrett J, et al. J Exp Zool 176:169-77, Feb 71

The effect of temperature on the metabolism of baker's yeast growing on continuous culture. Jones RC, et al. J Gen Microbiol 60:107-16, Jan 70

Adeno-associated satellite virus growth supported by a temperature-sensitive mutant of human adenovirus. Ito M, et al. J Gen Virol 9:243-5, Dec 70

The relative concentration of infective intact virus and RNA of four strains of tobacco mosaic virus as influenced by temperature. Kassanis B, et al. J Gen Virol 11:157-70, Jun 71

Isolation of temperature-sensitive mutants of adenovirus type 5. Williams JF, et al. J Gen Virol 11:95-101, May 71

Increased complement efficiency through control of ionic strength and temperature. Linscott WD. J Immunol 107:698-704, Sep 71

Temperature-sensitive mutants of respiratory syncytial virus: in-vivo studies in hamsters. Wright PF, et al. J Infect Dis 122:501-12, Dec 70

Photoperiod and temperature influences on diapause in eggs of the floodwater mosquito, Aedes dorsalis (Meigen) (Diptera: Culicidae). McHaffey DG, et al. J Med Entomol 7:631-44, Dec 70

Feeding electrograms of Hyalomma aegyptium ticks at different temperatures. Sweatman GK, et al. J Med Entomol 7:575-84, Nov 70

Thermal stability of tropocollagens--are hydrogen bonds really important? Cooper A. J Mol Biol 55:123-7, 14 Jan 71

Thermal activation of the antiviral activity of synthetic double-stranded polyribonucleotides. De Clercq E, et al. J Mol Biol 56:83-100, 28 Feb 71

Ribosome activation and the binding of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

dihydrostreptomycin: effect of polynucleotides and temperature on activation. Vogel Z, et al. J Mol Biol 54:379-86, 14 Dec 70

Studies on the antidotal action of drugs. 3. Effects of vitamin C conjoined pharmaceuticals on high- and low-temperature stresses. Tamura T, et al. J Nihon Univ Sch Dent 12:171-8, Dec 70

Hot and crowded: influences of population density and temperature on interpersonal affective behavior. Griffitt W, et al. J Pers Soc Psychol 17:92-8, Jan 71

Environmental effects on interpersonal affective behavior: ambient effective temperature and attraction. Griffitt W. J Pers Soc Psychol 15:240-4, Jul 70

The temperature dependence of the critical micelle concentrations cationic surface-active agents. Adderson JE, et al. J Pharm Pharmacol 23:311-2, Apr 71

The effects of temperature on the critical micelle concentrations of alkyl alpha-picolinium bromiees. Adderson JE, et al. J Pharm Pharmacol 22:523-30, Jul 70

Rheology of systems containing cetrimide-cetostearyl alcohol: variation with temperature. Barry BW, et al. J Pharm Pharmacol Suppl:139S+, Dec 70

The effect of temperature on the solubilities of testosterone propionate in low polarity solvents. Bowen DB, et al. J Pharm Pharmacol Suppl:104S+, Dec 70

The effect of temperature and of cetrimide on the rate of loss of refractility of spores of Bacillus megaterium. Rigby GJ, et al. J Pharm Pharmacol 23:8-14, Jan 71

The spontaneous electrical and mechanical activity of the longitudinal smooth muscle of the rabbit duodenum and its modification by drugs and temperature changes. Small RC, et al. J Pharm Pharmacol 23:280-7, Apr 71

Temperature changes occurring during the compression and recompression of solids. Travers DN, et al. J Pharm Pharmacol Suppl:11S+, Dec 70

Macromolecular dissolution. Temperature effects on polymer-drug preparation. Heyd A. J Pharm Sci 59:1526-7, Oct 70

Growth and reproduction of mice cross-fostered between parents reared at different temperatures. Barnett SA, et al. J Physiol (Lond) 215:665-78, Jul 71

Temperature dependence of the sodium-potassium permeability ratio of a molluscan neurone. Gorman AL, et al. J Physiol (Lond) 210:919-31, Nov 70

Temperature dependence of non-electrolyte and sodium permeability in giant axon of squid. Hidalgo C, et al. J Physiol (Lond) 211:173-91, Nov 70

The effect of temperature on the resting tension of frog's muscle in hypertonic solutions. Hill DK. J Physiol (Lond) 208:741-56, Jul 70

The effect of temperature in the range 0-35 degrees C on the resting tension of frog's muscle. Hill DK. J Physiol (Lond) 208:725-39, Jul 70

The effect of temperature change upon transmitter release, facilitation and post-tetanic potentiation. Hubbard JI, et al. J Physiol (Lond) 216:591-609, Aug 71

An electrically controlled thermal stimulator. Lal S, et al. J Physiol (Lond) 209:Suppl:9P-10P, Jul 70

The effect of temperature on the response of the perfused rabbit ear artery to electrical stimulation. Martin RP, et al. J Physiol (Lond) 207:80P-81P, Apr 70

Effect of environmental temperature on the turnover of 5-hydroxytryptamine in various areas of rat brain. Simmonds MA. J Physiol (Lond) 211:93-108, Nov 70

Paradoxical temperature dependence of sodium and potassium fluxes in human red cells. Wieth JO. J Physiol (Lond) 207:563-80, May 70

The stability to temperature of lysosomes in homogenates of Tetrahymena pyriformis. Lee D. J Protozool 18:173-5, May 71

Lysergic acid diethylamide (LSD 25. XXXIX. The effect of high temperature on stability. Gettner HH, et al. J Psychol 75:35-40, May 70

Effect of varying temperature and pH upon the predicted rate of "CO2" utilization by carboxylases. Filmer DL, et al. J Theor Biol 29:131-45, Oct 70

Temperature "breaks" in Arrhenius plots: a thermodynamic consequence of a phase change. Kumamoto J, et al. J Theor Biol 31:47-51, Apr 71

Temperature correction for erythrocyte sedimentation rate in tropics. Saha N, et al. J Trop Med Hyg 74:26-7, Jan 71

Isolation of temperature-sensitive conditional lethal mutants of "fixed" rabies virus. Clark HF, et al. J Virol 7:295-300, Mar 71

Requirement for a functional int product in temperature inductions of prophage P22 ts mnt. Gough M. J Virol 6:320-5, Sep 70

Effect of elevated temperature on extended enzyme synthesis induced by bacteriophage T4 amber mutants unable to synthesize deoxyribonucleic acid. Goz B. J Virol 7:332-42, Mar 71

Temperature-sensitive simian virus 40 mutant defective in a late function. Kit S, et al. J Virol 6:286-94, Sep 70

Characterization of some poliovirus temperature-sensitive mutants and poliovirus-related particle formation under nonpermissive conditions. Mikhejeva A, et al. J Virol 6:188-93, Aug 70

Temperature-sensitive mutants of vesicular stomatitis virus: synthesis of virus-specific proteins. Printz P, et al. J Virol 7:651-62, May 71

Effect of elevated temperature on deoxyribonucleic acid synthesis in bacteriophage phi-29-infected Bacillus amyloliquefaciens. Schachtele CF, et al. J Virol 6:430-7, Oct 70

Effects of elevated temperatures on mengovirus ribonucleic acid synthesis and virus production in Novikoff rat hepatoma cells. Shea MA, et al. J Virol 7:144-54, Jan 71

Transport of vitamin B6 in human erythrocytes. II. Effects of incubation temperature, glycolytic inhibitor and vitamin B6 analogues on transport of vitamin B6 in human erythrocytes. Yamada K, et al. J Vitaminol (Kyoto) 16:237-42, Sep 70

Effect of dimethyl sulphoxide on charge transfer complexes between serotonin-, tryptophan and flavin mononucleotide under low temperatures. Yamanaka N. J Vitaminol (Kyoto) 17:39-42, 10 Mar 71

The growth kinetics of an attenuated poliovirus type 1 strain, LSc, 2ab at an elevated temperature. Yamazaki Z, et al. Jap J Med Sci Biol 23:381-93, Dec 70

Food, temperature, and head growth in neonates. Glass L, et al. Lancet 1:1186-7, 5 Jun 71

The effects of temperature on the retention of photic habituation in the earthworm. Johnson FN. Life Sci [I] 9:1345-51, 1 Dec 70

Temperature dependent sensitivity of isolated guinea-pig atria to sympathomimetic amines. Oppermann JA, et al. Life Sci [I] 10:613-22, 1 Jun 71

Rapid acclimation and oxygen consumption of the rough limpet, Acmea scabra. Catlett RH. Life Sci [II] 10:355-9, 22 Mar 71

A temperature monitor and proportional direct current controller. Weiss MS, et al. Med Biol Eng 8:213-5, Mar 70

Variation of recombination frequency in Neurospora crassa following temperature changes prior to and during meiosis and evidence for a premeiotic sensitive stage. Landner L. Mol Gen Genet 109:219-32, 1970

Effects of temperature and pH on growth and composition of Pythium irregulare and Pythium vexans. Cantrell HF, et al. Mycologia 63:31-7, Jan-Feb 71

The relation of extracellular amylase, mycelium, and time, in some thermophilic and mesophilic Humicola species. Barnett EA, et al. Mycopathol Mycol Appl 44:131-41, 3 May 71

Influence of some factors on the growth and development of adiaspores of the fungus Emmonsia crescens Emmons et Jellison 1960. Hamáček F, et al. Mycopathol Mycol Appl 43:201-9, 19 Feb 71

Salinity tolerance of Saprolegnia parasitica Coker. Harrison JL, et al. Mycopathol Mycol Appl 43:297-307, 25 Mar 71

Bacterial proliferation in platelet products stored at room temperature. Transfusion-induced Enterobacter sepsis. Buchholz DH, et al. N Engl J Med 285:429-33, 19 Aug 71

Hemostatic effectiveness of platelets stored at 22 degrees C. Handin RI, et al. N Engl J Med 285:538-43, 2 Sep 71

Temperature sensitive mutant of the DNA replication system in Escherichia coli. Koiyama M, et al. Nature (Lond) 228:1157-60, 19 Dec 70

Metabolic rate independent of temperature in mollusc tissue. Percy JA, et al. Nature (Lond) 231:393-4, 11 Jun 71

Unexpected temperature dependence of potassium release from the isolated perfused rat liver. Frimmer M, et al. Naunyn Schmiedebergs Arch Pharmakol 270:313-5, 1971

The stimulation of hypothalamic neurones by changes in ambient temperature. Hellon RF. Pflugers Arch 321:56-66, 1970

Integrated static activity of the ampullae of Lorenzini after long-term exposure to various temperatures. Hensel H, et al. Pflugers Arch 323:279-83, 1971

Studies on the ascending pathways from the thermosensitive region of the spinal cord. Wünnenberg W, et al. Pflugers Arch 321:233-41, 1970

Effect of temperature on the relationship between hepatic microsomal cytochrome P-450 reduction and ethylmorphine demethylation. Schroeder DH, et al. Pharmacology 5:295-300, 1971

Fluorescence of thymine in aqueous solution at 300 degrees K. Hauswirth W, et al. Photochem Photobiol 13:157-63, Feb 71

Transplantability of mouse bone marrow stored at +2 degrees to +4 degrees C. Fiala J. Physiol Bohemoslov 19:293-8, 1970

Behavioral regulation of body temperature in poikilotherms. Heath JE. Physiologist 13:399-410, Nov 70 (15 ref.)

Some temperature influences on mycobacteria. Coster JF. Pneumonologie 142:289-91, 1970

Temperature adaptations and biochemical activities of group 3 mycobacteria. Wayne LG. Pneumonologie 142:278-83, 1970

Thermal resistance of salmonellae in egg yolk containing 10 percent sugar or salt after storage at various temperatures. Cotterill OJ, et al. Poult Sci 50:109-15, Jan 71

Temperature and light and broiler growth 2. Deaton JW, et al. Poult Sci 49:1503-6, Nov 70

Tylosin tartrate absorption of turkey and chicken eggs dipped using pressure and temperature differentials. Saif YM, et al. Poult Sci 49:1641-9, Nov 70

Responses of normal and goitrogen-fed cockerels to different environmental temperatures. Snedecor JG. Poult Sci 50:237-43, Jan 71

The interaction of light and temperature in Coturnix. Wilson WO, et al. Poult Sci 50:204-7, Jan 71

Temperature-sensitive mutants of bioluminescent bacteria. Cline T, et al. Proc Natl Acad Sci USA 68:500-4, Feb 71

Temperature-dependent properties of cells transformed by a thermosensitive mutant of polyoma virus. Dulbecco R, et al. Proc Natl Acad Sci USA 67:1775-81, Dec 70

Temperature-sensitive mutations in Drosophila melanogaster. VII. A mutation (para-ts) causing reversible adult paralysis. Suzuki DT, et al. Proc Natl Acad Sci USA 68:890-3, May 71

Temperature-sensitive mutations of the photosynthetic apparatus of Rhodospirillum rubrum. Weaver P. Proc Natl Acad Sci USA 68:136-8, Jan 71

Energy retention in the pig at several environmental temperatures and levels of feeding. Close WH, et al. Proc Nutr Soc 30:33A-34A, May 71

Effects of age and environmental temperature on the juxtaglomerular apparatus of house mice. Barnett SA, et al. Q J Exp Physiol 56:12-7, Jan 71

The technique of thermal measurements in excitable tissues. Howarth JV. Q Rev Biophys 3:429-58, Nov 70 (20 r

The influence of temperature on radiatio[illegible]uced oxygen-dependent and -independent da[illegible] in barley seeds. Conger BV, et al. Radiat Res 46:601-12, Jun 71

Effect of temperature and radiation [illegible]ress survivorship of isopods: Armadillidi[illegible] Cylisticus convexus. Reichle DE, Radiat Res 46:588-600, Jun 71

Radiation-induced hydrogen transfer [illegible] proteins, and related substances temperature and scavengers. Smith[illegible] Radiat Res 46:251-67, May 71

Studies of the microclimate of the e[illegible] canal in the dog. I. Aural tempera[illegible]o[illegible] L.R. Res Vet Sci 11:307-11, Jul 70

Effect of temperature on the int[illegible]r CO2 dissociation curve and pH. Albe[illegible]et al. Resp Physiol 11:211-22, Jan 71

The effect of temperature on ventilation [illegible] the turtle, Pseudemys scripta elegans. Jackson [illegible]C. Resp Physiol 12:131-40, Jun 71

Exhaled air temperature and water conservation in lizards. Murrish DE, et al. Resp Physiol 10:151-8, Sep 70

Induction of the Schultz-Dale reaction at low temperature. Cîrstea M. Rev Roum Physiol 7:319-22, 1970

Correlation of conduction velocity and O 2 consumption rate in frog sciatic nerve. Vasilescu V, et al. Rev Roum Physiol 7:35-8, 1970

Sugar transport: effect of temperature on concentrative uptake of alpha-methylglucoside by kidney cortex slices. McNamara P, et al. Science 172:1033-4, 4 Jun 71

Temperature-sensitive mutations in Drosophila melanogaster. Suzuki DT. Science 170:695-706, 13 Nov 70

The effect of environmental and dietary stress on the concentration of 1,1-Bis (4-chlorophenyl)-2,2,2-trichloroethane in rats. Brown JR. Toxicol Appl Pharmacol 17:504-10, Sep 70

Temperature changes in donor blood under different storage conditions. Pick P, et al. Transfusion 11:213-5, Jul-Aug 71

A new case of defective induction of the prophage. Golub EI, et al. Virology 42:1127-9, Dec 70

Viruses and renal carcinoma of Rana pipiens. IX. The influence of temperature and host cell on replication of frog polyhedral cytoplasmic deoxyribovirus (PCDV). Gravell M, et al. Virology 41:596-602, Aug 70

Isolation and characterization of temperature-sensitive mutants of vesicular stomatitis virus. Holloway AF, et al. Virology 42:917-26, Dec 70

The potentiation of type 1 adeno-associated virus by temperature-sensitive conditional-lethal mutants of CELO virus at the restrictive temperature. Ishibashi M, et al. Virology 45:317-20, Jul 71

Temperature-sensitive conditional-lethal mutants of an avian adenovirus (CELO). I. Isolation and characterization. Ishibashi M. Virology 45:42-52, Jul 71

Possible function of rII genes of bacteriophage T4. Krylov VN. Virology 41:711-7, Aug 70

Effects of temperature on frog polyhedral cytoplasmic deoxyribovirus multiplication: thermosensitivity of initiation, replication, and encapsidation of viral DNA. Kucera LS. Virology 42:576-89, Nov 70

Temperature-sensitive mutants of herpes simplex virus. Schaffer P, et al. Virology 42:1144-6, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The behavior of temperature-sensitive T4 DNA polymerase mutants in temperature shift experiments. Scotti PD. Virology 43:366-74, Feb 71

SV40 thermosensitive mutant: synthesis of viral DNA and virus-induced proteins at nonpermissive temperature. Takemoto KK, et al. Virology 42:938-45, Dec 70

Temperature-sensitive mutants of serratia phage Kappa. Wackernagel W, et al. Virology 42:777-9, Nov 70

Effects of temperature change on the catfish S-potentials. Charlton JS, et al. Vision Res 10:1119-26, Nov 70

Occurrence of two maximum temperatures fro growth in yeasts. Oliveira-Baptista A, et al. Z Allg Mikrobiol 11:59-61, 1971

Concurrent exponential growth and death of cell populations of Saccharomyces cerevisiae at superoptimal growth temperatures. Uden N van, et al. Z Allg Mikrobiol 10:515-26, 1970

Effects of a rise in ambient temperature on the pars distalis of the pituitary, the interrenal gland and the interstitial tissue of the testis in the common frog, Rana temporaria, during hibernation. Kemenade JA van. Z Zellforsch Mikrosk Anat 95:620-30, 1969

The effect of temperature on the hemagglutinin activity of the canine adenovirus (infectious canine hepatitis virus). Petr G, et al. Zentralbl Veterinaermed [B] 17:569-81, May 70

[Dependence of the blood alcohol concentration on muscular activity and the environmental temperature] Kruhoffer P, et al. Ugeskr Laeger 133:143-8, 29 Jan 71 (Dan)

[Limiting reaction of virus yield at infra-optimal temperature] Gevaudan P, et al. Ann Inst Pasteur (Paris) 117:265-71, Aug 69 (Fre)

[Analysis of synthesis of viral RNA of the vesicular stomatitis virus (VSV). Use of thermosensitive mutants] Martinet C, et al. Ann Inst Pasteur (Paris) 119:411-9, Oct 70 (Fre)

[Supervision of workmen working in high temperatures. Study on 70.000 index cards] Ely B. Arch Mal Prof 31:669-72, Dec 70 (Fre)

[Thermoregulation of hairless and control female rats in neutral or warm environment. Discussion of Giaja's diagram] Hildwein G, et al. Arch Sci Physiol (Paris) 25:1-18, 1971 (Fre)

[Reconstitution of enzymatic stages by thermal control of the reactions] Douzou P. Biochimie 53:307-9, 1971 (Fre)

[Thermal degradation of bovine alpha s and beta caseins. I. Change factors of the degradation] Lorient D, et al. Bull Soc Chim Biol (Paris) 52:915-26, 1970 (Fre)

[Comparative effects of various ambient temperatures on local lesions due to Candida albicans] Sautet J, et al. Bull Soc Pathol Exot 64:210-3, Mar-Apr 71 (Fre)

[Thermal dissociation in several stages of polyxanthylic acid] Bachner L, et al. C R Acad Sci [D] (Paris) 272:2965-8, 7 Jun 71 (Fre)

[Thermosensitivity of the mutation "caudal ascite" in Pleurodeles waltlii (Amphibia urodele)] Boetschen JC. C R Acad Sci [D] (Paris) 273:97-100, 5 Jul 71 (Fre)

[Isolation and study of a conditional mutant of Rous virus with thermosensitive transforming capacity] Biquard JM, et al. C R Acad Sci [D] (Paris) 271:3430-3, 21 Dec 70 (Fre)

[Thermal transfer and recrudescence of synthesis of tobacco mosaic virus in the Nicotiana tabacum var. Samsun] Cabanne F, et al. C R Acad Sci [D] (Paris) 271:1599-602, 28 Oct 70 (Fre)

[A mutant of foot-and-mouse disease virus thermosensitive to 37 degrees C, characterized as "RNA+"] Krasnobaev E. C R Acad Sci [D] (Paris) 272:1036-9, 15 Feb 71 (Fre)

[Action of supra-optimal temperatures on cellular growth in vitro] Pouchelet M, et al. C R Acad Sci [D] (Paris) 272:3333-6, 28 Jun 71 (Fre)

[Thermal control of the luminescence emitted by xanthine-oxidase] Sireix R, et al. C R Acad Sci [D] (Paris) 272:740-2, 1 Feb 71 (Fre)

[Halophilism and psychrophilism in 200 strains of yeasts] Boilleau Y, et al. C R Soc Biol (Paris) 164:378-81, 25 Sep 70 (Fre)

[Experimental study of curarization on the isolated diaphragm of the rat and on its reaction to excitation at various temperatures] Jacque M. C R Soc Biol (Paris) 164:1311-5, 1970 (Fre)

[Distribution of temperatures during thermal exchanges by natural convection in the human hand] Lemaire R, et al. C R Soc Biol (Paris) 164:768-70, 1970 (Fre)

[Measurement and control of the temperature of preparations under the microscope] Lennon JF. C R Soc Biol (Paris) 164:1933-7, 1970 (Fre)

[Interaction of pH and temperature on leukocyte creeping] Tannières ML, et al. C R Soc Biol (Paris) 164:1963-6, 1970 (Fre)

[Genetic study of vesicular stomatitis virus: classification of spontaneous thermosensitive mutants into complementation groups] Flamand A. J Gen Virol 8:187-95, Sep 70 (Fre)

[Characteristics of branchial respiration in a teleost fish, Carassius auratus, as a function of the ambient temperature] Dejours P, et al. J Physiol (Paris) 1:Suppl 1:113-4, 1969 (Fre)

[Interaction of pH and temperature on leukocyte locomotion velocity] Tannières ML, et al. J Physiol (Paris) 62:Suppl 3:454, 1970 (Fre)

[Meteorologic factors and heart attack] Merlen JF, et al. Presse Therm Climat 106:236-40, 1969 (Fre)

[Physiological evaluation of the effectiveness of anti-thermal protective clothing] Colin J, et al. Rev Corps Sante Armees 11:647-56, Oct 70 (Fre)

[Effect of temperature on the regulation of glycolysis in erythrocytes of man and rat] Hasart E, et al. Acta Biol Med Ger 24:725-43, 1970 (Ger)

[Effect of temperature on the dilatation capacity of the isolated frog heart ventricle before and after work] Pfeiffer C, et al. Acta Biol Med Ger 24:603-13, 1970 (Ger)

[Characterization of ouabain-binding conformation condition of (Na++ K+)-activated ATP-ase] Schön R, et al. Acta Biol Med Ger 24:K61-5, 1970 (Ger)

[Antibody formation in Rana temporaria L. I. Dependency of immune cell formation on season and temperature] Herbold DW, et al. Arb Paul Ehrlich Inst 65:43-7, 1970 (Ger)

[Changes in blood glucose levels in domestic swine produced by physical exercise at various environmental temperatures] Steinhardt M, et al. Arch Exp Veterinaermed 24:913-25, 1970 (Ger)

[Studies on the pullulanase producing strain of Aerobacter (Enterobacter) aerogenes. Influence of the incubation temperature on growth with nitrate] Bender H. Arch Mikrobiol 77:291-307, 1971 (Ger)

[Thermographic determination of polymerisation temperatures in thermoplastic synthetics] Hupfauer W, et al. Arch Orthop Unfallchir 70:70-82, 30 Apr 71 (Ger)

[Fundamentals for the construction of a climate control room] Krammer H, et al. Arch Phys Ther (Leipz) 22:227-36, Jul-Aug 70 (Ger)

[Temperature, humidity and reproduction in mice. II. Influence of 35 degrees C, 45 and 91 per cent relative humidity on body weight and genital tract] Ellendorff F, et al. Int J Biometeorol 14:85-93, Mar 70 (Ger)

[Temperature, humidity and reproduction in mice. I. Influence of 35 degrees C and 65-70 per cent relative humidity on fertility] Monzavifar M, et al. Int J Biometeorol 14:77-84, Mar 70 (Ger)

[Circulatory regulation in the pig during extradural anesthesia under extreme temperature conditions] Nichelmann M, et al. Monatsh Vet Med 25:504-9, 1 Jul 70 (Ger)

[Automobile climate and driving safety] Probst E. Munch Med Wochenschr 113:Suppl 4:52-4, 2 Apr 71 (Ger)

[Dimorphism of Trichophyton mentagrophytes at 25-37 degrees C] Schick G. Mykosen 12:567-71, 1 Sep 69 (Ger)

[Distribution of Na+ and K+ under the influence of temperature gradients (model of a thermally operated ion pump] Harth O, et al. Pfluegers Arch 323:158-72, 1971 (Ger)

[Differential temperature dependency of vascular smooth muscle contraction following activation by potassium-depolarization or noradrenaline] Peiper U, et al. Pfluegers Arch 324:67-78, 1971 (Ger)

[Temperature-dependence of enzyme-synthesis in mycobacteria] Bönicke R. Pneumonologie 142:217-23, 1970 (Ger)

[Influence on chemosensibility of mycobacteria in vitro and on their virulence for laboratory animals] Geurden L. Pneumonologie 142:291-3, 1970 (Ger)

[The electronic-flash ERG of isolated retinas of warm-blooded animals. II. Influence of intensity and temperature on the positive waves] Lützow A von. Vision Res 10:1035-43, Oct 70 (Ger)

[Changes in the microbial count in urine at room temperature] Rotter M, et al. Wien Klin Wochenschr 83:170-2, 12 Mar 71 (Ger)

[Temperature increase in the hoof during the "hot fitting of horseshoes"] Smith M. Wien Tieraerztl Monatsschr 58:155-7, 1971 (Ger)

[Isolation and 1st characterization of a temperature sensitive filamentous mutant of Bacillus subtilis SB 19] Mach F, et al. Z Allg Mikrobiol 10:383-95, 1970 (Ger)

[Excretion of trace elements in cattle at different environmental temperatures] Kirchgessner M, et al. Z Tierphysiol 25:9-12, Mar 69 (Ger)

[Relations of temperature, germ count and decomposition during heat decay] Farkasdi G. Zentralbl Bakteriol [Naturwiss] 124:334-40, 1970 (Ger)

[The control of bunt spore germination and sporidium formation in Tilletia caries (DC) Tul. due to external fators. I. Th effect of storage temperature of bunt spores on the course of germination] Schauz K. Zentralbl Bakteriol [Naturwiss] 124:739-42, 1970 (Ger)

[Temperature increase in meliolacean epiphytosen. Results of the 1st Cuban-German Alexander v. Humboldt memorial expedition 1967-69, No. 13] Schmiedeknecht M. Zentralbl Bakteriol [Naturwiss] 124:556-9, 1970 (Ger)

[The diagnosis of salmonellosis in chicken using enrichment media incubated at 43 degrees C] Geissler H, et al. Zentralbl Bakteriol [Orig] 214:207-15, 1970 (Ger)

[Resistance of the etiologic agents of actinomycosis and nocardiosis to selected environmental factors. 3. Resistance to desiccation] Schaal KP. Zentralbl Bakteriol [Orig] 215:483-97, 1970 (Ger)

[A respiratory alarm apparatus based on difference of the temperature of respiration] Ginott N. Harefuah 78:285, 15 Mar 70 (Heb)

[Effects of decrease of temperature on the mitotic activity of Chinese hamster cultures] Lullini Galliani I. Atti Accad Fisiocrit Siena [Med Fis] 17:337-44, 1968 (Ita)

[Action of the ambient temperature on the rabid reaction and somatomotor behavior in the cat] Giammanco S, et al. Boll Soc Ital Biol Sper 45:1579-81, 31 Dec 69 (Ita)

[Work and environmental temperature. Study of various respiratory parameters] Rizzo A. Folia Med (Napoli) 53:628-37, Oct 69 (Ita)

[Experimental study on tolerance to accelerations and on the psychomotor behavior of humans during alert flying conditions. 2. Resistance to accelerations and the psychomotor behavior of humans at high temperatures, with and without a previous sitting position] Rota P. Minerva Med 61:4242-5, 28 Sep 70 (Ita)

[On temperature dependance of olfactory sensitivity to isobutyric acid in congenital hyposmia] Tassoni G. Valsalva 45:19-24, Feb 69 (Ita)

[Effects of temperature and sodium aspartate on the ERG of the albino rabbit retina] Morita Y. Acta Soc Ophthalmol Jap 75:1071-5, Mar 71 (Jap)

[Studies on the cryoretinopexy. Thermo-electric investigations in the cryoretinopexy] Saito T. Acta Soc Ophthalmol Jap 74:1065-6, Sep 70 (Jap)

[Effects of environmental temperature, tubocurarine and pentobarbital on oxygen consumption in thyroidectomized and thyroxine treated rats] Kurahashi M. Folia Endocrinol Jap 46:796-9, 20 Oct 70 (Jap)

[Effects of temperature and sodium aspartate on the ERG of the albino rabbit retina] Morita Y. Folia Ophthalmol Jap 22:377-8, Jun 71 (Jap)

[pH and temperature dependency of the reaction of D-amino acid oxidase with D-arginine] Nishikimi M. J Jap Biochem Soc 43:397-400, 1971 (Jap)

[Hygienic studies on the weather in Kumamoto district. I. Seasonal variation of the air temperature in and around Kumamoto city] Tsutae T. J Kumamoto Med Soc 44:1222-8, 25 Dec 70 (Jap)

[Hygienic studies on the weather in Kumamoto district. II. Relation between the air temperature observed every three hours and the altitude of eight points in and around Kumamoto city] Tsutae T. J Kumamoto Med Soc 44:1229-37, 25 Dec 70 (Jap)

[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al. J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)

[A characteristic pattern of fluctuation in the skin temperature of the rabbit's ear in response to alteration of the environmental tempearature] Harada E. J Physiol Soc Jap 33:303-16, 1971 (Jap)

[Rhythm and temperature of tetrahymena] Watanabe Y. J Physiol Soc Jap 33:323-5, 1971 (Jap)

[Adaptation of the circulation in different organs to metabolic processes under normal and lowered temperature] Holobut W. Acta Physiol Pol Suppl:81-96, 1970 (Pol)

[Influence of non-optimal temperatures on the biological properties of virus strains ECHO 9, ECHO 6 and Coxsackie B5] Sidor-Wójtowicz A, et al. Ann Univ Mariae Curie Sklodowska [Med] 24:175-81, 1969 (Pol)

[Modification of drug activity by environmental temperature] Kubikowski P, et al. Pol Tyg Lek 26:155-8, 25 Jan 71 (26 ref.) (Pol)

[Influence of temperature on the development of Trypanosoma cruzi in triato minae] Neves DP. Rev Inst Med Trop Sao Paulo 13:155-61, May-Jun 71 (Por)

[Study of some physico-chemical properties of novobiocin] Bakaeva RM, et al. Antibiotiki 15:985-8, Nov 70 (Rus)

[Effect of temperature on the membrane potential of giant neurons of snails] Airapetian SN. Biofizika 14:663-8, Jul-Aug 69 (Rus)

[Nuclear magnetic resonance study of temperature denaturation of single-chain polyadenylic acid] Bekker ZhM, et al. Biofizika 14:740-1, Jul-Aug 69 (Rus)

[Temperature-dilatometric studies of collagen and procollagen films] Fel'dman RI, et al. Biofizika 15:573-9, Jul-Aug 70 (Rus)

[Thermoluminescence of nucleic acid bases] Jelinek O, et al. Biofizika 14:590-6, Jul-Aug 69 (Rus)

[Effect of pH, temperature, and ionic strength of the medium of the rheological properties of oriented DNP-structures of plant origin] Popkov VP. Biofizika 15:528-31, May-Jun 70 (Rus)

[Temperature quenching of the triplet state of porphyrins. I. Effect of solvent and oxygen] Sibel'dina LA, et al. Biofizika 15:816-21, Sep-Oct 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Analytical expression of the dependence of microalgae productivity on temperature] Slobodskoĭ LI, et al. Biofizika 14:196-9, Jan-Feb 69 (Rus)
[Detection by the paramagnetic probe method of new structural transformations in the DNA-water system with temperature changes] Sukhorukov BI, et al. Biofizika 15:539-41, May-Jun 70 (Rus)
[Temperature effect on fluorescence of phenol derivatives and tyrosine residues of proteins] Turoverov KK, et al. Biofizika 15:800-6, Sep-Oct 70 (Rus)
[Analysis of the adrenoreceptors of frog and rat myocardium at different temperatures] Abramets II, et al. Biull Eksp Biol Med 70:48-50, Dec 70 (Rus)
[The effect of temperature on the frequency spectrum of myelinated afferent A-delta fibers upon stimulation of skin mechanoreceptors] Gladysheva OS. Biull Eksp Biol Med 69:12-4, Jun 70 (Rus)
[Restoration of cell division in tissue cultures following cooling] Portugalov VV, et al. Biull Eksp Biol Med 66:90-2, Sep 68 (Rus)
[Effect of temperature on the radiosensitivity of Staph. aureus] Samoĭlenko II, et al. Biull Eksp Biol Med 70:57-9, Dec 70 (Rus)
[Biochemical mechanism of the resistance of insects to DDT at elevated temperature] Gar KA, et al. Dokl Akad Nauk SSSR 196:1241-4, 11 Feb 71 (Rus)
[Embryonal development of the small White Sea herring (Clupea harengus Pallasi N. Maris-Abli Berg., var. beta) in relation to temperature] Kudinskiĭ OIu. Dokl Akad Nauk SSSR 184:731-4, 21 Jan 69 (Rus)
[Effect of thiophosphamide and 5-fluorouracil on the incorporation of H 3-thymidine into DNA of surviving ovarian cancer sections] Merkulov MF, et al. Farmakol Toksikol 34:220-8, 1971 (Rus)
[Restitution processes following muscular activity at different temperatures] Iakoviev NN, et al. Fiziol Zh SSSR 57:556-61, Apr 71 (Rus)
[Applicability of the methods of corrected effective and resulting temperature] Smolianskiĭ GB. Gig Sanit 35:78-81, Jul 70 (Rus)
[Current hygienic problems of climate and microclimate] Malysheva AE. Gig Tr Prof Zabol 14:23-7, Apr 70 (Rus)
[Apparatus for high voltage microelectrophoresis at a constant temperature] Shukoliukov SA, et al. Lab Delo 9:562-5, 1970 (Rus)
[Relation of colicinogenic transduction to temperature conditions and chloramphenicol action] Blinkova LP, et al. Mikrobiologiia 38:656-62, Jul-Aug 69 (Rus)
[Glucose metabolism in the pressure-tolerant bacterium Pseudomonas sp. under conditions of high pressure and non-optimal temperatures] Kriss AE, et al. Mikrobiologiia 38:945-51, Nov-Dec 69 (Rus)
[Determination of temperature in the zone of contact between the lens and the cryofak] Shmeleva VV. Oftalmol Zh 25:221-2, 1970 (Rus)
[Dose-effect curves for Ehrlich ascites carcinoma cells irradiated with gamma-rays at various temperatures] Alekseeva SI, et al. Radiobiologiia 10:518-21, Jul-Aug 70 (Rus)
[Effect of incubation temperature in the post-radiation period on the degree of survival of irradiated microorganisms] Frumkin ML, et al. Radiobiologiia 11:295-7, Mar-Apr 71 (Rus)
[Effect of temperature during gamma-irradiation of seeds on the degree of cytogenetic damage] Kuzin AM, et al. Radiobiologiia 9:720-3, Sep-Oct 69 (Rus)
[Synthesis of ribonucleic acid and protein in cultured animal and human cells under suboptimal temperature conditions] Ageeva ON, et al. Tsitologiia 12:1287-96, Oct 70 (Rus)
[Seasonal changes in the thermostability of muscle and muscle models in field mice] Skholl' ED. Tsitologiia 12:1020-7, Aug 70 (Rus)
[Assessment of the temperature status of radiolocation station specialists] D'iachenko NA. Voen Med Zh 12:42-4, Dec 70 (Rus)
[Effect of incubation temperature on the development of specific lesions caused by smallpox virus] Marennikova SS, et al. Vopr Virusol 15:239-40, Mar-Apr 70 (Rus)
[Effects of temperature and eserinized brain homogenates on acetylcholine inactivation by barbiturates in vitro] Sanchez Ramos F, et al. Arch Inst Farmacol Exp (Madr) 21:63-8, 1969 (Spa)
[Effect of environmental temperature on nitrogen balance in rabbits] Bozą J, et al. Rev Esp Fisiol 26:253-6, Sep 70 (Spa)
[Effect of warmth and cold on endurance and muscle metabolism in isometric work] Nordesjö LO, et al. Nord Med 85:699-700, 3 Jun 71 (Swe)
[Physiological functions in workers at a rolling mill] Danchenko AP, et al. Fiziol Zh 16:661-6, Sep-Oct 70 (Ukr)
[Nitrogen metabolism and temperature of stomach mucosa during secretion] Morgun EG. Fiziol Zh 17:209-14, Mar-Apr 71 (Ukr)
[Amplitude of growth temperature in soil micromycete] Bilai TI, et al. Mikrobiol Zh 33:30-4, 1971 (Ukr)
[Carbohydrate composition of Candida tropicalis K-41 cells grown on media with glucose at different temperatures] Kvasnikov EI, et al. Mikrobiol Zh 32:535-9, Sep-Oct 70 (Ukr)
[Influence of temperature and ionic strength on molecular weight of fibrinogen] Demchenko AP, et al. Ukr Biokhim Zh 43:173-7, Mar-Apr 71 (Ukr)
[Changes in blood temperature in the right heart during respiration under positive pressure] Krstić N, et al. Vojnosanit Pregl 27:499-502, Nov 70 (Cro)

ADVERSE EFFECTS

[Temperature measurements during cartilage imbedding in palacos] Lenz H, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:229-38, 30 Jul 71 (Ger)

TEMPERATURE SENSE (F1, G1)

Effects of cortical and thalamic lesions on temperature discrimination and responsiveness to foot shock in the rat. Finger S, et al. Brain Res 24:69-89, 11 Nov 70
Crossed temperature discrimination following section of forebrain neocortical commissures. Levy J, et al. Cortex 6:349-61, Dec 70
The rabbit ear as a temperature sensor. Kluger MJ, et al. Life Sci [I] 10:895-9, 1 Aug 71
The localization of non-tactile thermal sensations. Simmel ML, et al. Psychophysiology 5:415-25, Jan 69
[Paradoxical temperature perception] Moffie D. Ned Tijdschr Geneeskd 115:350-2, 20 Feb 71 (Dut)
[Studies on thermo-reception: electrical activities of temperature-sensitive unit in the brainstem] Nakayama T. J Physiol Soc Jap 33:333-44, 1971 (32 ref.) (Jap)
[A thermal thermoesthesiometer] Kurilova LM, et al. Biull Eksp Biol Med 69:123-4, Jun 70 (Rus)
[Cold reception by the skin in chronic tonsillitis patients] Kurilova LM, et al. Biull Eksp Biol Med 65:51-3, May 68 (Rus)
[Differential sensitivity of kinesthetic and thermal analysers in healthy persons and in patients with neurogenous cardiovascular disorders] Zab'ialov AV. Zh Vyssh Nerv Deiat 16:96-102, Jan-Feb 66 (Rus)

TEMPLATES (G1)

Transcription-dependent release of a mammalian RNA polymerase from its endogenous template. Bagshaw JC, et al. Biochem Biophys Res Commun 42:1207-13, 19 Mar 71
2'-O-methyloligoadenylates as templates for the binding of lysyl transfer ribonucleic acid to ribosomes. Price AR, et al. Biochemistry 9:4524-9, 10 Nov 70
Messenger and template activities of chemically modified polynucleotides. Singer B, et al. Biochemistry 9:3694-701, 15 Sep 70
Polycyclic aromatic hydrocarbons. Covalent binding to DNA and effects on template function. Chan EW, et al. Biochim Biophys Acta 238:46-9, 29 Apr 71
Template catalysis of acetyl transfer reactions. Chung NM, et al. Biochim Biophys Acta 228:536-43, 28 Jan 71
Aflatoxin inhibition of template activity of rat liver chromatin. Edwards GS, et al. Biochim Biophys Acta 224:597-607, 14 Dec 70
Proteins of chromatin in template restriction. II. Specificity of RNA synthesis. Spelsberg TC, et al. Biochim Biophys Acta 228:212-22, 1 Jan 71
Proteins of chromatin in template restriction. I. RNA synthesis in vitro. Spelsberg TC, et al. Biochim Biophys Acta 228:202-11, 1 Jan 71
Diurnal rhythmicity in template activity of mouse liver chromatin. Steinhart WL. Biochim Biophys Acta 228:301-5, 1 Jan 71
Rates of turnover of deoxythymidine kinase and of its template RNA in Novikoff hepatoma and neonatal liver. Bresnick E, et al. Cancer Res 30:1060-3, Apr 70
Further studies on the effects of various in vivo and in vitro factors on the priming and template activities of DNA isolates in the DNA and RNA polymerase systems. Chmielewicz ZF, et al. Cancer Res 30:952-9, Apr 70
Changes in the DNA template after x-ray irradiation in vitro. Russev GK, et al. Dokl Bolg Akad Nauk 23:439-42, 1970
Effects of low salt concentration on structural organization and template activity of chromatin in chicken erythrocyte nuclei. Branch K, et al. Exp Cell Res 65:61-72, Mar 71
Studies of template activity of chromatin isolated from metabolically active and inactive cells. Seligy V, et al. Exp Cell Res 58:27-34, Nov 69
RNA of Physarum. II. Template replication and transcription in the mitotic cycle. Zeilweger A, et al. Exp Cell Res 65:424-32, Apr 71
Asymmetric template function of microbial deoxyribonucleic acids: transcription of ribosomal and soluble ribonucleic acids. Margulies L, et al. J Bacteriol 103:560-8, Sep 70
The template activities of nuclear RNAs from rat liver, regenerating liver and hepatoma AH-130 cells. Amano M, et al. J Biochem (Tokyo) 69:671-6, Apr 71
Early stages in complementary synthesis directed by synthetic single stranded polydeoxyribonucleotide templates and catalyzed by calf thymus deoxyribonucleic acid polymerase. Hayes FN, et al. J Biol Chem 246:3631-8, 10 Jun 71
Specificity of the cucumber mosaic virus-induced RNA polymerase for RNA and polynucleotide templates. May JT, et al. J Child Psychol Psychiatry 12:517-28, Jun 71
Further studies on the synthesis of RNA in vitro by enzyme--template complexes isolated from induced lambda lysogens. Cohen SN, et al. J Mol Biol 58:635-9, 14 Jun 71
Studies on polynucleotides. XCIV. Transcription of DNA's with repeating nucleotide sequences. Morgan AR. J Mol Biol 52:441-66, 28 Sep 70
Template properties of DNA-polypeptide complexes. Shih TY, et al. J Mol Biol 50:233-44, 14 Jun 70
Studies on the role of histones in relation to the template activity and precipitability of chromatin at physiological ionic strengths. Smart JE, et al. J Mol Biol 58:675-84, 28 Jun 71
Template activity of parainfluenza virus ribonucleoprotein. Bukrinskaya AG, et al. Nature (Lond) 228:1194-6, 19 Dec 70
RNA polymerase: two-step mechanism with overlapping steps. Florentiev VL, et al. Nature (Lond) 228:519-22, 7 Nov 70
RNA dependent DNA polymerase of human acute leukaemic cells. Gallo RC, et al. Nature (Lond) 228:927-9, 5 Dec 70
Mechanism of inhibitory action of histones on DNA template activity in vitro. Koslov YV, et al. Nature (Lond) 228:245-7, 17 Oct 70
RNA dependent DNA polymerase activity in mammalian cells. Scolnick EM, et al. Nature (Lond) 229:318-21, 29 Jan 71
Synthetic DNA-RNA hybrids and RNA-RNA duplexes as templates for the polymerases of the oncogenic RNA viruses. Spiegelman S, et al. Nature (Lond) 228:430-2, 31 Oct 70
Different template specificities of phage T3 and T7 RNA polymerases. Dunn JJ, et al. Nature [New Biol] 230:94-6, 17 Mar 71
Primer requirement and template specificity of the DNA polymerase of RNA tumor viruses. Baltimore D, et al. Proc Natl Acad Sci USA 68:1507-11, Jul 71
Transcriptions of the bacteriophage T4 template in vitro: separation of "delayed early" from "immediate early" transcription. Milanesi G, et al. Proc Natl Acad Sci USA 66:181-8, May 70
Asynchronous synthesis of the complementary strands of the reovirus genome. Schonberg M, et al. Proc Natl Acad Sci USA 68:505-8, Feb 71
Release of nuclear DNA template restrictions by specific polyribonucleotides. Brown DG, et al. Science 171:176-8, 15 Jan 71
Age-associated changes in the DNA of mouse tissue. Price GB, et al. Science 171:917-20, 5 Mar 71
[Template activity of polyribonucleotides synthesized by polynucleotide phosphorylase in the presence of amino acids] Mardashev SR, et al. Biokhimiia 35:1106-9, Nov-Dec 70 (Rus)
[Characteristics of template syntheses in myxoviruses] Zhdanov VM. Izv Akad Nauk SSSR [Biol] 5:702-13, Sep-Oct 67 (Rus)

RADIATION EFFECTS

The effect of laser power at 2650 A on deoxyribonucleic acid. Matsui S, et al. Life Sci [II] 10:217-21, 22 Feb 71

TEMPORAL ARTERIES (A7)

Aneurysms and arteriovenous fistulas of the superficial temporal vessels. Schechter MM, et al. Radiology 97:549-57, Dec 70
[The treatment of acute retinal arterial obliterations with thrombociasis] Arnoux M, et al. Bull Soc Ophtalmol Fr 69:224-6, Feb 69 (Fre)
[Multiple retinal microembolisms after a carotid thromboendoarterectomy. Value of fluorescein angiography] Faggioni R, et al. Rev Otoneuroophtalmol 42:473-82, Dec 70 (Fre)
[Traumatic arterio-venous fistula with aneurysm of the scalp] Kagawa M, et al. Brain Nerve (Tokyo) 22:1447-50, Dec 70 (Jap)

ABNORMALITIES

Seizures and recurrent subarachnoid hemorrhage due to a cryptic vascular malformation. Goodman SJ, et al. Bull Los Angeles Neurol Soc 36:11-20, Jan 71

ANATOMY & HISTOLOGY

Stereological studies of several ducts and vessels by injection method of acrylic resin. 28. On the superficial temporal artery in some mammals. Ryumon A. Okajimas Folia Anat Jap 47:353-74, Dec 70

PATHOLOGY

Vascular and metabolic studies of amyotrophic lateral sclerosis. I. Angiopathy in biopsy specimens of

peripheral arteries. Störtebecker P, et al.
Neurology (Minneap) 20:1157-60, Dec 70
The temporal artery biopsy as a diagnostic procedure in ophthalmology. Biodi FC.
Trans Aust Coll Ophthalmol 1:26-33, 1969
[Morphologic and histochemical findings on the superficial temporal artery in Coats' disease] Negroni L, et al. Ann Ottalmol Clin Ocul 94:537-55, May 68 (Ita)

PHYSIOLOGY

[Determination of temporal and arterioretinal pressure in healthy subjects] Kushnereva AG.
Sov Med 32:110-4, Sep 69 (Rus)

SURGERY

[Bilateral temporal arteritis] Khadzhiev D.
Khirurgiia (Sofiia) 22:527-9, 1969 (Bul)

TRANSPLANTATION

Transplantation of superficial temporal artery to revascularize the external auditory canal. Noguera JT, et al. Eye Ear Nose Throat Mon 49:93-4, Feb 70

TEMPORAL ARTERITIS (C8, C17)

Polymyalgia rheumatica and giant cell arteritis. Healey LA, et al. Arthritis Rheum 14:138-41, Jan-Feb 71
Giant cell arteritis: including temporal arteritis and polymyalgia rheumatica. Hamilton CR Jr, et al. Medicine (Baltimore) 50:1-27, Jan 71 (103 ref.)
Giant-cell arteritis. Horton-Magath-Brown temporal arteritis, cranial arteritis. Andersen SR.
Trans Pac Coast Otoophthalmol Soc 50:35-58, 1969 (50 ref.)
[Temporal arteritis] Folkerts JF.
Ned Tijdschr Geneeskd 115:905-7, May 71 (Dut)
[Temporal arteritis or Horton's disease (5 cases)] Mongin M, et al. Mars Med 106:665-70, 1969 (Fre)
[Horton's arteritis (case contribution)] Carli C, et al.
Pathologica 59:385-96, Nov-Dec 67 (Ita)

COMPLICATIONS

Polymyalgia rheumatica and giant cell arteritis with bilateral axillary artery occlusion. Royster TS, et al.
Am Surg 37:421-6, Jul 71
Anemia as a presenting manifestation of giant cell arteritis. Healey LA, et al.
Arthritis Rheum 14:27-31, Jan-Feb 71
[Cutaneous ulcers of the scalp during Horton's disease] Bourgeois-Spinasse J, et al.
Bull Soc Fr Dermatol Syphiligr 77:804-8, 1970 (Fre)
[A case of episcleritis revealing Horton's disease] Ardouin M, et al.
Bull Soc Ophtalmol Fr 69:95-101, Jan 69 (Fre)
[Vascular pseudopapillitis and latent temporal arteritis] Greco S, et al.
Ann Ottalmol Clin Ocul 95:1057-66, Dec 69 (Ita)

DIAGNOSIS

Occult temporal arteritis. Hepler RS.
JAMA 214:1329, 16 Nov 70
The temporal artery biopsy as a diagnostic procedure in ophthalmology. Biodi FC.
Trans Aust Coll Ophthalmol 1:26-33, 1969
[Temporal arteritis] David V, et al.
Bull Soc Fr Dermatol Syphiligr 76:657-9, 1969 (Fre)
[Bilateral temporal arteritis with ocular manifestations] Duverne J, et al.
Bull Soc Fr Dermatol Syphiligr 76:690-2, 1969 (Fre)
[Occult temporal arteritis] Boghen D, et al.
Union Med Can 99:2082-4, Nov 70 (Fre)
[Follow-up studies of Horton's temporal arteritis (Giant cell arteritis)] Duttweiler A.
Praxis 59:658-74, 5 May 70 (Ger)
[Occult temporal arteritis] Volpi U, et al.
Ann Ottalmol Clin Ocul 95:421-32, May 69 (Ita)
[Clinical-semeiotic considerations on a case of Horton's arteritis with atypical course] Macchioni P, et al.
Minerva Cardioangiol 17:968-71, Nov 69 (Ita)
[On temporal arteritis (Horton's disease); notes on a case] Bretin N, et al.
Med Interna (Bucur) 23:633-6, May 71 (Rum)
[Temporal arteritis] Muzaferija A, et al.
Lijec Vjesn 92:351-5, Mar 70 (Cro)

PATHOLOGY

Temporal arteritis in a large necropsy series. Ostberg G. Ann Rheum Dis 30:224-35, May 71
Giant cell arteritis with myositis and myocarditis. Kennedy LJ Jr, et al. Calif Med 115:84-7, Jul 71

SURGERY

[Bilateral temporal arteritis] Khadzhiev D.
Khirurgiia (Sofiia) 22:527-9, 1969 (Bul)

THERAPY

[Temporal obliterating arteritis] Shamaev NP.
Stomatologiia (Mosk) 50:27-9, May-Jun 71 (Rus)

TEMPORAL BONE (A2)

see also related
LABYRINTH (A9)

Malignant external otitis. Wilson DF, et al.
Arch Otolaryngol 93:419-22, Apr 71
Oesophageal manometric studies of dysphagia in Vernet's syndrome. Serebro HA, et al.
Br J Surg 58:461-3, Jun 71
Sarcoma of the petrous temporal bone presneting as the jugular foramen syndrome. Agarwala RP, et al.
J Laryngol Otol 85:971-3, Sep 71
Secondary malignant tumour of the temporal bone. Baruah AK. J Laryngol Otol 84:1167-8, Nov 70
Fibro-osseous dysplasia of temporal bone. Tembe D.
J Laryngol Otol 84:107-14, Jan 70
Primary and metastatic tumors of the temporal bone. Adams GL, et al. Laryngoscope 81:1273-85, Aug 71
Neurilemmoma of the jugular foramen. Arenberg IK, et al. Laryngoscope 81:544-57, Apr 71
Osteopetrosis (Marble bone disease) of the temporal bone. Hamersma H.
Laryngoscope 80:1518-39, Oct 70 (42 ref.)
Encephalocele of the middle ear. Levy RA, et al.
Laryngoscope 81:126-30, Jan 71
Thermal effects of ultrasound on the temporal bone. James JA, et al. Med Biol Eng 8:477-81, Sep 70
[Retroauricular osteochondroma] Tesařík J, et al.
Cesk Otolaryngol 20:90-2, Apr 71 (Cze)
[ERndocranial propagation of temporo-frontal malignant tumorts] Tchédomir I, et al.
Ann Otolaryngol Chir Cervicofac 85:57-60, Jan-Feb 68 (Fre)
[Auricular and buccal localizations of generalized histiocytosis] Calvet J, et al.
J Fr Otorhinolaryngol 18:751-4, Dec 69 (Fre)
[Several cases of invading glomic neoplasms of the temporal bone] Portmann M.
J Fr Otorhinolaryngol 20:25-8, Jan 71 (Fre)
[Neurinoma of the Gasser's ganglion with temporal development] Dany A, et al.
Neurochirurgie 16:349-56, Jul-Aug 70 (Fre)
[Unilateral exophthalmos due to temporal arteriovenous aneurysm of the middle meningeal artery] Sachs M, et al.
Neurochirurgie 15:75-82, Jan-Feb 69 (Fre)
[Post-traumatic bilateral temporo-maxillary dislocation in a young athlete] Zaouche T, et al.
Tunis Med 48:239-40, Jul-Aug 70 (Fre)
[Myxoma of the temporal bone] Richrath W, et al.
HNO 17:113-5, Apr 69 (Ger)
[Cystic degeneration of both temporal bones] Szymański J, et al. HNO 17:282-3, Sep 69 (Ger)
[Pneumatization of the temporal bone and the healing process after mastoidectomy in childhood with and without antibiotics] Stricker G.
Pract Otorhinolaryngol (Basel) 32:219-30, 1970 (Ger)
[2 cases of cysts of the temporal bone] Miyoshi Y, et al.
J Otolaryngol Jap 74:53-8, 20 Jan 71 (Jap)
[Case of chronic temporal bone osteomyelitis with temporomandibular joint contracture] Niho M, et al.
J Otolaryngol Jap 74:668-77, Mar 71 (Jap)
[Case of metastatic cancer of the temporal bone simulating acoustic nerve tumor] Hosawa J, et al.
Otolaryngology (Tokyo) 43:521-5, 1971 (Jap)
[Case of histocytosis X of the both temporal] Kanzaki H, et al.
Otolaryngology (Tokyo) 43:125-31, Feb 71 (Jap)
[Case of eosinophilic granuloma of the temporal bone] Nagaba M, et al.
Otolaryngology (Tokyo) 43:117-23, Feb 71 (Jap)
[Congenital cholesteatoma of the temporal bone] Iwaszkiewicz J, et al.
Otolaryngol Pol 25:161-9, 1971 (Pol)
[A case of fibrotic degeneration of the temporal bone] Sienkiewicz H. Otolaryngol Pol 25:241-3, 1971 (Pol)
[Case of osteoma of the squama of temporal bone] Jarzębski J. Pol Przegl Radiol 35:9-11, 1971 (Pol)
Osteoblastociastoma of the temporal bone] Lutsenko VA.
Zh Ushn Nos Gorl Bolezn 31:87-8, May-Jun 71 (Rus)
[Mechanism of the cholesteatoma spreading to the temporal bone] Stastný B, et al.
Bratisl Lek Listy 56:42-7, 1971 (Slo)

ABNORMALITIES

Anomalous fusion of the malleus to the tympanic ring. McGrew RN, et al.
Ann Otol Rhinol Laryngol 80:138-40, Feb 71
Elongated styloid process. Dayal VS, et al.
Arch Otolaryngol 94:174-5, Aug 71
[Absence of the roof of the carotid canal of the left temporal bone] Chiriac V, et al.
Rev Med Chir Soc Med Nat Iasi 74:701-5, Jul-Sep 70 (Rum)

ANATOMY & HISTOLOGY

Subarcuate conglomerates in the temporal tegmen. Kelemen G. Acta Anat (Basel) 76:236-49, 1970
Functional cranial analysis of the coronoid process in the rat. Moss ML, et al.
Acta Anat (Basel) 77:11-24, 1970
Attic-aditus block and the tympanic diaphragm. Proctor B. Ann Otol Rhinol Laryngol 80:371-5, Jun 71
Correlation of histologic and polytomographic sections of the temporal bone. Sesana WE, et al.
Ann Otol Rhinol Laryngol 80:155-70, Apr 71
Temporal bone preparation by intralabyrinthine perfusion. Mathog RH.
Arch Otolaryngol 93:610-4, Jun 71
Dehiscence of the Fallopian canal. An anatomical study. Baxter A. J Laryngol Otol 85:587-94, Jun 71
Morphological data for the theory of temporal bone vibrations. Pędziwiatr ZF. Pol Med J 10:547-63, 1971
[Anatomical variants within the region of foramen jugulare and their responsibility for sudden death] Bauer U. Z Rechtsmed 68:154-63, 1971 (Ger)
[Forensic osteology. II. Densitometric studies on human processi mastoidei] Saternus K, et al.
Z Rechtsmed 67:175-83, 1970 (Ger)
[Forensic osteology. I. Is the processus mastoideus a criterion for identification?] Schmitt HP, et al.
Z Rechtsmed 67:170-4, 1970 (Ger)

BLOOD SUPPLY

Stereological studies on several ducts and vessels by injection method of acrylic resin. XXV. On the occipital artery in some mammals. Kamakura K.
Okajimas Folia Anat Jap 47:289-317, Dec 70

CYTOLOGY

Scanning electron microscopy of rat ossicles and tympanic bulla. Marovitz WF, et al.
Laryngoscope 81:346-64, Mar 71

DRUG EFFECTS

[Pathomorphological changes of the bony capsule of the labyrinth of the inner ear under the experimental effect of pituitary hormones] Pokotilenko AK, et al.
Zh Ushn Nos Gorl Bolezn 30:76-82, May-Jun 70 (Rus)

EMBRYOLOGY

The relationship of the developing inner ear, subarcuate fossa and paraflocculus in the rat. McClure TD, et al. Am J Anat 130:235-49, Feb 71

INJURIES

Fractures of the petrous and tympanic parts of the temporal bone in children: a tomographic study of 35 cases. Harwood-Nash DC.
Am J Roentgenol Radium Ther Nucl Med 110:598-607, Nov 70
Fractured skull and facial bones (case P32).
Can Med Assoc J 104:514-6, 20 Mar 71
Fracture dislocation of the petrous bone. De Villiers JC. J Neurol Neurosurg Psychiatry 34:105-6, Feb 71
[Practura ossi temporalis. The course and sequelae of 248 fractures of the temporal bones] Tos M.
Ugeskr Laeger 133:1449-56, 30 Jul 71 (Dan)
[Treatment of conductive hearing damage due to a fracture of the temporal bone] Stefanović B.
Srp Arh Celok Lek 98:793-8, May 70 (Ser)
[Fractures of the pyramidal part of the temporal bone] Stanković D, et al.
Med Glas 24:178-80, Apr-May 70 (Cro)

INNERVATION

Course of the sensory component of the nervus intermedius in the temporal bone. Saito H, et al.
Ann Otol Rhinol Laryngol 79:960-6, Oct 70

PATHOLOGY

Middle and inner ear abnormalities. 13-15 (D 1) trisomy. Black FO, et al.
Arch Otolaryngol 93:615-9, Jun 71
Multiple branchial arch anomalies. Case report and temporal bone study. Zeltzer LD, et al.
Arch Otolaryngol 93:562-7, Jun 71
Deafness in early childhood. A case report. Cohn AM, et al. Laryngoscope 80:1665-79, Nov 70
The histopathology of the temporal bone in tumours of the glomus jugulare. Gerlings PG.
Pract Otorhinolaryngol (Basel) 32:164-73, 1970
[Paget-like inclusions in temporal bones with and without otosclerosis] Kelemen G.
Int Z Vitaminforsch 40:818-26, 1970 (Ger)
[Paget-like inclusions in temporal bones with and without otoclerosis] Kelemen G.
Z Laryngol Rhinol Otol 49:818-26, Dec 70 (Ger)
[Anatomo-pathological, macro- and microscopic study of 450 cases of otorrhea treated surgically] Ciges M, et al. Acta Otorinolaryngol Iber Am 21:541-88, 1970 (Spa)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOLOGY

The pattern of stapedial vibration. Dankbaar WA. J Acoust Soc Am 48:1021-2, Oct 70
Morphological data for the theory of temporal bone vibrations. Pedziwiatr ZF. Pol Med J 10:547-63, 1971

RADIOGRAPHY

Roentgen examination of the facial canal. Brünner S, et al. Acta Radiol [Diagn] (Stockh) 10:545-52, Nov 70
The bony bridge in otoroentgen diagnosis. Etter LE. Am J Roentgenol Radium Ther Nucl Med 112:352-60, Jun 71
Correlation of histologic and polytomographic sections of the temporal bone. Sesana WE, et al. Ann Otol Rhinol Laryngol 80:155-70, Apr 71
Tomography of the temporal bone: a diagnostic aid in congenital deafness. Cumming WA, et al. J Can Assoc Radiol 21:184-9, Sep 70
Tumors involving the temporal bone. Goldman AM, et al. Radiol Clin North Am 8:387-402, Dec 70 (12 ref.)
[Tomographic study of the aqueduct of Fallopius] Vignaud J, et al. J Radiol Electrol Med Nucl 51:127-31, Mar-Apr 70 (Fre)
[Thick layer tomography of the pyramids in infancy and childhood] Laczay A, et al. Z Laryngol Rhinol Otol 50:103-6, Feb 71 (Ger)
[Further contribution to the use of simultaneous multiple stratigraphy with a standard cassette in the study of the temporal bone] Di Lella V, et al. Nunt Radiol 35:271-84, Mar 69 (Ita)
[Anatomico-roentgenological study of the lower wall of the tympanic cavity in man] Krivobok BI. Zh Ushn Nos Gorl Bolezn 29:8-12, Jul-Aug 69 (Rus)
[Transorbital projection of styloid process of temporal bone] Procházka E. Cesk Radiol 25:130-1, May 71 (Slo)

SURGERY

Autogenous bone cranioplasty. Leivy DM, et al. Acta Chir Scand 136:385-7, 1970
Removal of a large frontoethmoid osteoma. Cassady CL, et al. Arch Otolaryngol 93:81-2, Jan 71
[Section of the auditory nerve through the fossa temporalis] Portmann M, et al. Rev Laryngol Otol Rhinol (Bord) 90:99-101, Jan-Feb 69 (Fre)
[Osteomyelitis of the squamous part of the temporal bone in a case of subacute otitis media] Madej S. Przegl Lek 26:879, 1970 (Pol)

TEMPORAL LOBE (A8)

Pre- and posttrial temporal lobe seizures in monkeys and memory consolidation. Reitz SL, et al. J Comp Physiol Psychol 74:179-84, Feb 71
[Temporal meningioma revealed at the beginning of pregnancy by an intracranial hypertension syndrome: surgical treatment, delivery at term] Lyonnet R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:436, Sep-Oct 69 (Fre)
[Kluver-Bucy type syndrome and anterograde amnesia following acute encephalitis] Trillet M, et al. J Med Lyon 50:939-40 passim, 5 Jun 69 (Fre)
[Intracranial localization of a large foreign body following penetration of the orbit] Boschetti G, et al. Minerva Oftalmol 12:44-6, Mar-Apr 70 (Ita)
[On a case of cerebral cryptococcal granuloma (toruloma)] D'Alessio C, et al. Rass Int Clin Ter 50:916-21, 31 Jul 70 (Ita)
[Case of cerebral gumma of the left temporal lobe] Kinoshita K. Brain Nerve (Tokyo) 23:365-8, Apr 71 (Jap)
[Rhinogenic abscess of the temporal lobe of the brain] Grigor'ev GM, et al. Vestn Otorinolaringol 32:101-2, Jul-Aug 70 (Rus)
[Results of surgery of intracerebral neuroectodermal tumors of the temporal lobe] Vasin NIa. Vopr Neirokhir 34:39-44, Sep-Oct 70 (Rus)
[Use of a method of differentiation of auditory signals of different duration according to their intensity in the diagnosis of lesions of the temporal region of the brain] Baru AV, et al. Zh Nevropatol Psikhiatr 71:534-40, 1971 (Rus)
[Effects connections between the hippocampus and neocortex] Ipekchian NM. Zh Nevropatol Psikhiatr 71:438-42, 1971 (Rus)
[Higher visual function disorde rs in the presence of pressure on the lower temporal region of the human cerebral hemispheres] Kok EP, et al. Zh Vyssh Nerv Deiat 19:602-10, Jul-Aug 69 (Rus)

ABNORMALITIES

[A particular cerebral malformation associated with thanatophoric dwarfism] Goutieres F, et al. Presse Med 79:960, 24 Apr 71 (Fre)
[Sylvian arachnoid cysts (agenesis of the temporal lobe)] Aguilera F, et al. Rev Esp Otoneurooftalmol Neurocir 28:187-97, 1969-70 (Spa)

ANATOMY & HISTOLOGY

[Topographic location of the neuron projections of the temporal cortex in hippocampus of a rabbit] Belokrinitskif VS. Fiziol Zh 15:641-50, Sep-Oct 69 (Ukr)

BLOOD SUPPLY

[Rheographic study of irrigation of the anterior parts of the brain during intellectual work] Markhassina I, et al. J Physiol (Paris) 62:Suppl 3:410, 1970 (Fre)
[The peculiar endings of perivascular glia] Rodriguez JM. Z Mikrosk Anat Forsch 82:341-8, 1970 (Ger)

CYTOLOGY

[Neurons of the temporal region in dogs] Pogosian VI. Arkh Anat Gistol Embriol 59:42-51, Jul 70 (Rus)

PATHOLOGY

Atypical cristae in mitochondria of human glioblastoma multiforme cells. Tani E, et al. J Ultrastruct Res 36:211-21, Jul 71
[The ultrastructural features of cellular elements in epileptogenic foci of the cerebral cortex in childhood epilepsy] Ugriumov VM, et al. Zh Nevropatol Psikhiatr 71:92-100, 1971 (Rus)

PHYSIOLOGY

Social behavior deficits of free-ranging monkeys after anterior temporal cortex removal: a preliminary report. Myers RE, et al. Brain Res 18:551-6, 17 Mar 70
Effects of foveal prestriate and inferotemporal lesions on visual discrimination by rhesus monkeys. Cowey A, et al. Exp Brain Res 11:128-44, 1970
Interaction between the hemispheres in unimanual somesthetic learning. Deuel RK, et al. Exp Neurol 30:123-38, Jan 71
Disruptions of auditory sequence discrimination by unilateral and bilateral cortical ablations of superior temporal gyrus in the monkey. Dewson JH 3d, et al. Exp Neurol 28:529-48, Sep 70
Effect of lesions in the temporal lobe and rhinencephalon on reproductive function in adult female rhesus monkeys. Erikson LB, et al. Fertil Steril 21:434-54, May 70
Function of striate and temporal cortex in the tree shrew. Killackey H, et al. J Comp Physiol Psychol 74:Suppl 2:1-29, Jan 71
Punishment for errors and visual-discrimination learning by monkeys with inferotemporal cortex lesions. Manning FJ. J Comp Physiol Psychol 75:146-52, Apr 71
Calcium, magnesium and the electrical activity of guinea-pig olfactory coex in vitro. Richards CD, et al. J Physiol (Lond) 211:571-84, Dec 70
Relation of extent of temporal removals to closure and visuomotor factors. Lansdell H. Percept Mot Skills 31:491-8, Oct 70
[The role of the corpus callosum in the transmission of strychnine excitation from the cortex of one hemisphere to the other] Mosidze VM, et al. Bull Eksp Biol Med 65:7-11, May 68 (Rus)
[The role of the temporal regions of the neocortex in the integration of cerebral activity] Belenkov NIu, et al. Zh Vyssh Nerv Deiat 20:317-26, Mar-Apr 70 (Rus)
[Exaltation phase in the restoration of functions following a lesion of the cerebral cortex] Dang Tkhu. Zh Vyssh Nerv Deiat 16:131-3, Jan-Feb 66 (Rus)
[The effect of destruction of the posterior colliculi on the conditioned reflex activity in cats and the primary responses of the temporal region of the cortex] Goreva OA, et al. Zh Vyssh Nerv Deiat 21:448-56, 1971 (Rus)
[Establishment of reactions to color stimuli in children, 2-3 months premature] Polikanina RI, et al. Zh Vyssh Nerv Deiat 21:119-27, Jan-Feb 71 (Rus)

PHYSIOPATHOLOGY

Auditory inattention. Heilman KM, et al. Arch Neurol 24:323-5, Apr 71
Shock, surgery and cerebral asymmetry. Inglis J. Br J Psychiatry 117:143-8, Aug 70
Unilateral and bilateral sphenoidal spikes in relation to the duration of epilepsy. Gupta PC, et al. Electroencephalogr Clin Neurophysiol 30:365-6, Apr 71
The significance of interictal EEG abnormalities over the temporal lobes in epilepsy. Horyd W, et al. Electroencephalogr Clin Neurophysiol 30:251, Mar 71
[The importance of the caudate nucleus in the control of convulsive activity in the amygdaloid complex and the temporal cortex of the cat. La Grutta V, et al. Electroencephalogr Clin Neurophysiol 31:57-69, Jul 71
The control of amygdaloid and temporal paroxysmal activity by the caudate nucleus. La Grutta V, et al. Experientia 27:278-9, 15 Mar 71
A general intellectual factor affected by temporal lobe dysfunction. Lansdell H. J Clin Psychol 27:182-4, Apr 71
[Psychodiagnostic analysis of the cognitive functions in patients with diagnosed temporal syndrome] Ruszczyńska B. Psychiatr Pol 4:513-8, 1970 (Pol)
[Psychopathology of cases with pneumo- and electroencephalographic changes in the temporal regions without paroxysmal symptomatology] Smoczyński S. Psychiatr Pol 4:507-12, 1970 (Pol)

SURGERY

Surgical treatment of temporal lobe seizures. Mathai KV, et al. Neurol India 18:158-64, Sep 70
The psychiatric-psychological results of operation on the temporal lobe in epileptic children. Dorum A, et al. Rev Neuropsychiatr Infant 18:511-5, Jul-Aug 70
[Late results of the surgical treatment of temporal epilepsy by the partial temporal lobe resection method] Shefer DG, et al. Vopr Neirokhir 34:17-24, May-Jun 70 (Rus)

TEMPOROMANDIBULAR JOINT (A2)

Surgical treatment of recurrent dislocation of the jaw. Boman K. Acta Chir Scand 136:191-5, 1970
Temporomandibular joint disorders. Silver CM, et al. Am Fam Physician 3:90-3, Feb 71
Synovial chondromatosis of the temporomandibular joint. A case report. Silver CM, et al. J Bone Joint Surg [Am] 53:777-80, Jun 71
Reconstruction of both mandibular condyles with metatarsal bone grafts. Dingman RO. Plast Reconstr Surg 47:594, Jun 71
[An inveterated luxation of the temporo-mandibular joint] Rittersma J. Ned Tijdschr Geneeskd 115:959-61, May 71 (Dut)
[Acute temporomandibular arthritis] Rittersma J. Ned Tijdschr Tandheelkd 78:191-3, May 71 (Dut)
[Pathology of the temporomandibular articulation] Muler H, et al. Ann Otolaryngol Chir Cervicofac 85:61-76, Jan-Feb 68 (Fre)
[Temporomandibular joint and dental occlusion] Gerber A. Dtsch Zahnaerztl Z 26:119-41, Feb 71 (Ger)
[Indication for Gerber's occlusion and temporomandibular joint examination] Kühl W. Dtsch Zahnaerztl Z 26:147-51, Feb 71 (Ger)
[Mandibular bite abnormalities and the temporomandibular joint] Hoffer O. Fortschr Kieferorthop 31:405-14, Apr 71 (Ger)
[Temporomandibular joint dislocations in patients taking phenothiazines] Karakases DT. Stomatologia (Athenai) 28:137-42, Mar-Apr 71 (Gre)
[Clinical otorhinolaryngological disorders in arthropathy of the temporo-mandibular joint] Pallestrini EA. Minerva Otorinolaringol 19:1-18, Jan-Feb 69 (Ita)
[Clinical studies on the intra-articular puncture of the temporomandibular joints and its applications] Onishi M. J Jap Stomatol Soc 37:178-207, Sep 70 (Jap)
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 3. Changes of the temporo-mandibular joint in the rat following the creation of experimental malocclusion: with special attention to changes in the disc] Suzuki T. Shikwa Gakuho 71:1337-48, May 71 (Jap)
[Temporomandibular ankylosis (case reports)] Aleman ST, et al. ADM 27:225-8, May-Jun 70 (Spa)
[Temporomandibular diseases] Petrov S. Reumatizam 17:138-9, 1970 (Cro)

ANATOMY & HISTOLOGY

Unusual problems in airway management. II. The influence of the temporomandibular joint, the mandible, and associated structures on endotracheal intubation. Block C, et al. Anesth Analg (Cleve) 50:114-23, Jan-Feb 71
Intra-articular tissue in the temporomandibular joint. el-Mahdy AS. J Prosthet Dent 26:396-405, Oct 71
The attachment of the lateral pterygoid muscle to the meniscus. Porter MR. J Prosthet Dent 24:555-62, Nov 70
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 2. Postnatal changes in the rat mandibular joint: tooth eruption and histological change of the articular disc] Suzuki T. Shikwa Gakuho 71:1331-6, May 71 (Jap)
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 1. Histological study on the temporomandibular discs in mammals] Suzuki T. Shikwa Gakuho 71:1311-30, May 71 (Jap)

BLOOD SUPPLY

Vascularization of the temporomandibular disk. A microangiographic study on a human autopsy material. Agerberg G, et al. Odontol Tidskr 77:451-60, 31 Dec 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CYTOLOGY

[Cytological examination of the temporomandibular joint fluid] Shimizu M.
J Jap Stomatol Soc 37:245, Sep 70 (Jap)

EMBRYOLOGY

Differentiation of the mouse embryonic mandible and squamo-mandibular joint in organ culture. Glasstone S. Arch Oral Biol 16:723-9, Jul 71

INJURIES

[Combined extension and activator treatment for functional therapy of bilateral temporo-mandibular joint fractures] Krüger E.
Dtsch Zahnaerztl Z 26:875-80, Sep 71 (Ger)
[Late sequelae of temporomandibular traumas] Gotte P. Minerva Stomatol 19:386-90, Oct 70 (Ita)
[Wound healing of the disc of the temporomandibular joint] Takaku S.
J Jap Stomatol Soc 37:242, Sep 70 (Jap)

PATHOLOGY

Light and electron microscopic appearance of synovial lining tissues in a patient with temporomandibular joint dysfunction. Murnane TW, et al.
Oral Surg 31:452-9, Apr 71
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 4. Histological changes in the dog articular disc created by movement of the teeth] Suzuki T. Shikwa Gakuho 71:1349-55, May 71 (Jap)

PHYSIOLOGY

The cranio mandibular articulation, occlusion, basic mandibular kinesiology. Vaughan HC.
Ann Dent 30:10-21, Spring 71
Afferent discharges from temporomandibular articular mechanoreceptors: an experimental study in the cat. Klineberg I, et al. Arch Oral Biol 15:935-52, Oct 70
Contributions to the reflex control of mastication from mechanoreceptors in the temporomandibular joint capsule. Klineberg IJ, et al.
Dent Pract Dent Rec 21:73-83, Nov 70
Mandibular movements of the monkey. Burch JG, et al.
J Prosthet Dent 25:183-8, Feb 71
Activity of the accessory ligaments of the temporomandibular joint. Burch JG.
J Prosthet Dent 24:621-8, Dec 70
Pantographic tracings of mandibular movements and occlusion. Clayton JA, et al.
J Prosthet Dent 25:389-96, Apr 71
The temporomandibular joints--a fulcrum. Fountain HW. J Prosthet Dent 25:78-84, Jan 71
Unilateral function and the temporomandibular joint in rhesus monkeys. Ramfjord SP, et al.
Oral Surg 32:236-47, Aug 71
Variation of the range of movement of the mandible in relation of facial morphology in children. Ingervall B. Scand J Dent Res 78:533-43, 1970
[Comparative studies on the measurement of axis declination in the temporomandibular joint] Setz D.
Dtsch Zahnaerztl Z 26:187-90, Feb 71 (Ger)
[Registration of condyle movements using a joint preparation] Steinhilber W.
Dtsch Zahnaerztl Z 26:401-4, Mar 71 (Ger)
[Use of a jointed arrangement for the study of the hinge axis for the construction of Class I activators] Gualdi M, et al.
Riv Ital Stomatol 25:597-602, Jul 70 (Ita)
[An original device and a method for the recording of noise in the temporomandibular joint] Hary M, et al.
Stomatologia (Bucur) 18:139-47, Mar-Apr 71 (Rum)

PHYSIOPATHOLOGY

Studies on experimental malocclusion in rabbits. 1. Method of induction of malocclusion and its effects on the temporomandibular joint. Gupta OP, et al.
Am J Orthod 60:54-67, Jul 71
Tissue reactions in the temporomandibular joint resulting from anterior displacement of the mandible in the monkey. Stöckli PW, et al.
Am J Orthod 60:142-55, Aug 71
Facial emphysema following mastoidectomy. Tucker HM. Eye Ear Nose Throat Mon 50:97-100, Mar 71
Temporomandibular joint symptoms and ankylosing spondylitis. Crum RJ, et al.
J Am Dent Assoc 83:630-3, Sep 71
Congenital double condyle of the mandible causing temporomandibular joint ankylosis: report of case. Stadnicki G. J Oral Surg 29:208-11, Mar 71
Effects of traumatic occlusion on the temporomandibular joint of Rhesus monkeys. Ruben MP, et al. J Periodontol 42:79-87, Feb 71
Neuromuscular disturbances causing temporomandibular dysfunction and pain. Bruno SA.
J Prosthet Dent 26:387-95, Oct 71
Effect of experimentally altered occlusal vertical dimension on temporomandibular articulation. Gianelly AA, et al. J Prosthet Dent 24:629-35, Dec 70
Interarticular disc in wide mandibular opening in rhesus monkeys. Ramfjord SP, et al.
J Prosthet Dent 26:189-99, Aug 71
Postural activity in subjects with functional disorders of the chewing apparatus. Lous I, et al.
Scand J Dent Res 78:404-10, 1970
[Anatomical-clinical aspects of temporomandibular arthroses] Hary M, et al.
Rev Fr Odontostomatol 18:161-70, Feb 71 (Fre)
[Experiences with Lauritzen's dentition analysis] Gausch K, et al.
Dtsch Zahnaerztl Z 26:151-6, Feb 71 (Ger)
[Functional analysis and pathomorphology of the masticatory organ] Thielemann K.
Dtsch Zahnaerztl Z 26:157, Feb 71 (Ger)
[Pathological changes in the temporomandibular joint after raising of the bite plane in the entire supporting zone in the lateral tooth region in the guinea pig] Trage R. Dtsch Zahnaerztl Z 25:903-7, Sep 70 (Ger)
[Hypertrophy of the coronoid process of the mandible with difficulty in opening the mouth] Zoller R.
Fortschr Geb Roentgenstr Nuklearmed 113:249-51, Aug 70 (Ger)
[Case of chronic temporal bone osteomyelitis with temporomandibular joint contracture] Niho M, et al.
J Otolaryngol Jap 74:868-77, Mar 71 (Jap)
[The influence of the occluding-articular imbalance on the temporomandibular articulation. Correlations between the changes in the phosphorus-calcium metabolism and the histologic structural changes in the temporomandibular articulation in edentulous rats] Oţetea I, et al.
Stomatologia (Bucur) 18:41-8, Jan-Feb 71 (Rum)
[Arthropaties of the temporomandibular joint] Dymkova VN.
Biull Eksp Biol Med 71:37-9, Mar-Apr 71 (Rus)
[Changes in the temporomandibular joint and study of the sounds generated] Harster Nadal J.
An Esp Odontoestomatol 26:336-46, Jul-Aug 67 (Spa)
[Rheumatic diseases in the temporomandibular joint] Ordonez Badillo J.
Rev Fed Odontol Colomb 18:63-5, Apr-Jul 69 (Spa)

RADIOGRAPHY

The influence of the angle of projection on the linear error in craniolateral radiography of the temporomandibular joint. A method study. Bergstedt H, et al. Acta Odontol Scand 29:3-16, Apr 71
An artifact in mandibular position induced by the intramaetal cephalometric head holder. Sutcher HD, et al. Am J Orthod 59:338-42, Apr 71
Radiology of the temporomandibular joint and condylar head. Smith NJ, et al. Br Dent J 129:361-8, 20 Oct 70
The temporomandibular joint survey by Orthopantomo N-70. Ando S, et al.
J Nihon Univ Sch Dent 12:154-8, Dec 70
An evaluation of duplicability of temporomandibular joint radiographs. Weinberg LA.
J Prosthet Dent 24:512-41, Nov 70
Vascularization of the temporomandibular disk. A microangiographic study on a human autopsy material. Agerberg G, et al.
Odontol Tidskr 77:451-60, 31 Dec 69
The analysis of cineradiographic records of movements of the temporo-mandibular joints. Saxby M.
Radiography 36:170-2, Jul 70
[5 cases of temporomandibular joint ankylosis in children] Sleewaegen N, et al.
Acta Stomatol Belg 68:95-108, 1971 (Fre)
[Radioclinical identification of temporo-mandibular disorders] Champy M, et al.
J Radiol Electrol Med Nucl 50:955-7, Dec 69 (Fre)
[Notes on radiographic technic] Dozin A, et al.
Rev Dent Liban 20:21-6, Mar-Jun 70 (Fre)
[Tumors in the region of the temporomandibular joint] Rehmann G.
Beitr Orthop Traumatol 17:23-4, Jan 70 (Ger)
[Tomography in the axial craniobasal ray path for the presentation of morphological peculiarties in the temporomandibular joint capitulum] Strehle H, et al.
Fortschr Geb Roentgenstr Nuklearmed 115:93-8, Jul 71 (Ger)
[The examination of the tempormandibular region with the aid of a panoramic apparatus with an endoral ampule] Fossataro E, et al.
Ann Stomatol (Roma) 18:967-74, Nov 69 (Ita)
[Radiologic study of the temporo-mandibular joint] Cali R, et al.
Clin Otorinolaringoiatr 20:755-65, Nov-Dec 68 (Ita)
[Radiological investigation on the arthrography of the temporomandibular joint] Itakura A.
J Jap Stomatol Soc 38:172-204, Mar 71 (Jap)
[Temporomandibular joint in new roentgenologic perspective] Tveito L.
Odontol Tidskr 77:437-49, 31 Dec 69 (Nor)
[Changes in temporomandibular joints in symmetric craniofacial deformities] Romanowski B, et al.
Czas Stomatol 24:553-9, May 71 (Pol)
[Roentgenological changes in the temporomandibular joints and in the proportions of the facial skeleton in micrognathia] Rabukhina NA, et al.
Stomatologiia (Mosk) 49:45-8, Nov-Dec 70 (Rus)

SURGERY

Noninterpositional intracapsular arthroplasty of the rabbit temporomandibular joint. Murnane TW, et al.
J Oral Surg 29:268-72, Apr 71
Temporomandibular joint arthroplasty: review of literature and report of case. Silagi JL, et al.
J Oral Surg 28:920-6, Dec 70 (23 ref.)
Use of a Silastic testicular implant in reconstruction of the temporomandibular joint of a 5-year-old child. Wukelich S, et al. Oral Surg 32:4-9, Jul 71
Construction of the temporomandibular joint by transplanting the autogenous sternoclavicular joint. Snyder CC, et al. South Med J 64:807-14, Jul 71
[Temporomandibular joint arthroplasty by interposition of full-thickness skin] Popescu V.
Rev Port Estomatol Cir Maxilofac 11:223-37, Jan-Jun 70 (Fre)
[Abutments for luxations of the temporomandibular joint] Schneck G.
Rev Stomatol Chir Maxillofac 72:596-9, Jul-Aug 71 (Fre)
[Retroauricular incision for exposure of temporomandibular joint] Kowalik S.
Czas Stomatol 24:917-20, Aug 71 (Pol)
[A trial of extra-articular surgical treatment of luxations and subluxations of the temporomandibular joint] Zemla J, et al.
Czas Stomatol 23:1353-6, Dec 70 (Pol)
[Our modification of surgical treatment of recurring luxation of the temporomandibular joint] Kowalik S.
Wiad Lek 23:1955-60, 15 Nov 70 (Pol)
[Treatment of ankylosis of the temporomandibular joint] Mukhin MV. Vestn Khir 105:3-8, Aug 70 (Rus)

TEMPOROMANDIBULAR JOINT SYNDROME see

COSTEN'S SYNDROME (C3)

TENDINITIS (C3)

Supraspinatus tendinitis. Bain AM.
Physiotherapy 57:17-20, Jan 71
The painful shoulder due to rotatory cuff tendinitis. Macnab I. RI Med J 54:367 passim, Jul 71
[Radial epicondylitis] De Loore JJ.
J Belge Rhumatol Med Phys 25:254-62, 1970 (Dut)
[Nodular tendinitis of the Achilles tendon] Auquier L, et al. Rev Rhum Mal Osteoartic 38:373-81, May 71 (Fre)
[Calcifying tendinitis] Seze S de, et al.
Rhumatologie 22:45-50, Feb 70 (Fre)
[Origin, clinical picture and treatment of insertion-tendopathies] Becker W, et al.
Z Allgemeinmed 46:1454-7, 20 Oct 70 (Ger)
[Epitrochleitis] Demartin F, et al.
Chir Organi Mov 59:66-74, Jun 70 (Ita)
[Epicondylitis] Sabetta F, et al.
Chir Organi Mov 59:57-65, Jun 70 (Ita)
[Crepitant paratenonitis of the forearm] Malikov VB.
Vestn Khir 104:60-2, Mar 70 (Rus)

DIAGNOSIS

[Tendinitis and bursitis of the knee] Rubens-Duval A, et al. Rhumatologie 22:235-7, Sep 70 (Fre)
[Differential diagnosis of the occupational diseases bursitis (22), nerve compression injuries (23), paratendinoses (43), vertebral process fractures (45)] Laarmann A.
Arch Orthop Unfallchir 70:285-91, 1971 (Ger)
[Phonoparatenography (PPG)- a new method for the exact diagnosis of paratenonitis crepitans and control of treatment results following application of Myalase "Deesau"] Bellmann H.
Zentralbl Chir 95:842-6, 23 May 70 (Ger)
[Clinical aspects and treatment of humeral epicondylitis] Saffie F, et al.
Rev Med Chil 97:432-6, Jul 69 (Spa)

DRUG THERAPY

[Use of hydrocortisone in the treatment of bursitis, tendovaginitis and sinovitis] Iurdzh A.
Veterinariia 10:96-7, Oct 70 (Rus)
[Clinical aspects and treatment of humeral epicondylitis] Saffie F, et al.
Rev Med Chil 97:432-6, Jul 69 (Spa)

ETIOLOGY

New look at tennis elbow. Chawla S, et al.
Br Med J 2:111, 10 Apr 71
Tennis elbow. Colt E. Br Med J 4:679, 12 Dec 70
["The long distance runner's knee"] Staff PH, et al.
Tidsskr Nor Laegeforen 91:1231-3, 10 Jun 71 (Nor)
[Pathogenesis of stenosing ligamentitis] Degen IL, et al. Ortop Travmatol Protez 32:22-4, Apr 71 (Rus)

SURGERY

Complete acromionectomy in the treatment of chronic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tendinitis of the shoulder. A follow-up of ninety operations on eighty-seven patients. Hammond G. J Bone Joint Surg [Am] 53:173-80, Jan 71
[Surgical treatment of epicondylitis] Caruso AM, et al. Arch Putti Chir Organi Mov 25:132-45, 1970 (Ita)
[Surgical treatment of epicondylitis of the shoulder] Novikov NV, et al. Ortop Travmatol Protez 32:45-8, Jan 71 (Rus)

THERAPY

Physiotherapy of supraspinatus tendinitis. Brookes RB. Physiotherapy 57:21-3, Jan 71
Manipulation of the elbow joint. Stoddard A. Physiotherapy 57:259-60, 10 Jun 71
[Epicondylitis of the humerus. A therapeutic problem] Freund E, et al. Zentralbl Chir 95:293-6, 28 Feb 70 (Ger)
[Diadynamic therapy with potassium in patients with bursitis and tendovaginitis] Kaliko IM, et al. Sov Med 33:88-90, Dec 70 (Rus)

TENDON INJURY (C14)

Ruptures of the rotator cuff of the shoulder. New concepts in the diagnosis and operative treatment of chronic ruptures. Neviaser JS. Arch Surg 102:483-5, May 71
Traumatic dislocation of the long-finger extensor tendon. A clinical, anatomical, and biomechanical study. Kettelkamp DB, et al. J Bone Joint Surg [Am] 53:229-40, Mar 71
Avulsion of the flexor profundus tendon insertion. Carroll RE, et al. J Trauma 10:1109-18, Dec 70
Biomechanics in motor skeletal trauma. Hirsch C. J Trauma 10:997-1000, Nov 70
Studies of tendon healing in the rat. Remodeling of the distal stump after severance. Greenlee TK Jr, et al. Plast Reconstr Surg 48:260-70, Sep 71
[Avulsion of the Achilles tendon ligament from the calcaneus] Florian M, et al. Acta Chir Orthop Traumatol Cech 37:287-90, Oct 70 (Cze)
[Subcutaneous rupture of the Achilles tendon] Kristensen JK, et al. Ugeskr Laeger 132:1661-6, 3 Sep 70 (Dan)
[Ruptures of the Achilles tendon (remote results in 91 cases)] Trillat A, et al. Lyon Chir 67:34-8, Jan-Feb 71 (Fre)
[A further case of luxation of the posterior tibial tendon] Bourrel P, et al. Mem Acad Chir (Paris) 94:317-8, 1968 (Fre)
[Tendon injuries of the hand] Wilhelm A. Dtsch Med J 21:1391-8, 20 Nov 70 (Ger)
[Extensor tendon injuries of the back of the hand and wrist] Brüchle H. Monatsschr Unfallheilkd 73:503-9, Nov 70 (Ger)
[Subcutaneous rupture of the Achilles tendon] Holland C. Z Allgemeinmed 47:71-5, 20 Jan 71 (Ger)
[Achilles tendon rupture following surgery for a Haglund heel] Heller W. Z Orthop 109:534-7, Jul 71 (Ger)
[Rupture of the quadriceps tendon] Giachi LM, et al. Chir Organi Mov 59:75-86, Jun 70 (Ita)
[Subcutaneous laceration of the long abductor tendon of the thumb] Guidi P. Minerva Ortop 21:480-4, Aug-Sep 70 (Ita)
[2 cases of dislocation of the extensor tendon of the finger] Ikuta Y, et al. Orthop Surg (Tokyo) 21:1113-6, Dec 70 (Jap)
[Cases of subcutaneous rupture of the flexor tendon of the finger] Imamura S, et al. Orthop Surg (Tokyo) 21:934-5, Oct 70 (Jap)
[Dislocation of the tendon of the fibular muscle] Nakano K, et al. Orthop Surg (Tokyo) 22:212-20, Mar 71 (Jap)
[Cambial elements of the tendons] Gusikhina VI. Arkh Anat Gistol Embriol 59:77-84, Jul 70 (Rus)
[Habitual dislocation of the tendons of the peroneal muscles in athletes] Bogutskaia EV. Khirurgiia (Mosk) 46:83-5, Sep 70 (Rus)
[Recurrent luxation of the peroneal tendons] Ramón Soler R, et al. Rev Esp Reum Enferm Osteoartic 13:425-7, Jul 70 (Spa)

COMPLICATIONS

Tendinous ruptures in rheumatoid arthritis. Serre H, et al. Ann Rheum Dis 29:688, Nov 70
Lateral compartment syndrome of the knee. Towne LC, et al. Clin Orthop 76:160-8, May 71
Anterior dislocation of the proximal interphalangeal joint. A cause of rupture of the central slip of the extensor mechanism. Spinner M, et al. J Bone Joint Surg [Am] 52:1329-36, Oct 70
Combined nerve and tendon injury in the palm. Rix RR. JAMA 217:480, 26 Jul 71
[Reflex algodystrophy and distal circulatory problems after tendinous section. 2 cases] Langeron P, et al. J Sci Med Lille 87:449-54, Jun-Jul 69 (Fre)
[Quadriceps tendon injury in a 17-year-old man with Recklinghausen's disease] Franke J, et al. Beitr Orthop Traumatol 17:190-3, Feb 70 (Ger)
[Post-traumatic arthrosis in the hip joint] Ro J. Nord Med 85:382-3, 25 Mar 71 (Nor)
[Tendon rupture of the long head of the biceps brachii muscle] Jaszczyk JR, et al. Chir Narzadow Ruchu Ortop Pol 36:281-7, 1971 (Pol)

DIAGNOSIS

Electrophysiological observations in cases of partial and total rupture of the achilles tendon. Persson A, et al. Electroencephalogr Clin Neurophysiol 31:239-46, Sep 71
[Differential diagnosis of pain in the region of the Achilles tendon] Pavlanský R, et al. Beitr Orthop Traumatol 17:229-37, Apr 70 (Ger)

DRUG THERAPY

[Results of oral enzyme therapy in wounds of muscles, tendons and bones after accidents] Schwinger O. Wien Med Wochenschr 120:603-5, 5 Sep 70 (Ger)

ETIOLOGY

Spontaneous rupture of the calcaneal tendon in rheumatoid arthritis after local steroid injection. Bedi SS, et al. Ann Rheum Dis 29:494-5, Sep 70
Bilateral spontaneous and simultaneous rupture of the quadriceps tendons in gout. Levy M, et al. J Bone Joint Surg [Br] 53:510-3, Aug 71
[Tendon ruptures in chronic rheumatic polyarthritis] Serre H, et al. Rev Rhum Mal Osteoartic 38:51-9, Jan 71 (Fre)
[Rupture of the Achilles tendon as a typical ski accident injury] Philadelphy G, et al. Monatsschr Unfallheilkd 74:121-8, Mar 71 (Ger)
[Subcutaneous achilles tendon rupture] Rosolleck H. Monatsschr Unfallheilkd 72:544-7, Dec 69 (Ger)
[Rupture of the flexor tendon of the finger following Colles' fracture] Nagano Y, et al. Orthop Surg (Tokyo) 21:935-7, Oct 70 (Jap)

METABOLISM

Histochemical studies of tendon healing. Harper GE, et al. Surg Forum 21:460-2, 1970

PATHOLOGY

Histology of the rat Achilles tendon before and after tendon rupture. Barfred T. Acta Pathol Microbiol Scand [A] 79:287-92, 1971

RADIOGRAPHY

[Diagnosis of the rotator cuff rupture] Brabender H. Med Welt 12:453-7, 20 Mar 71 (Ger)
[Roentgen-pneumographic examinations in injuries and diseases of the soft parts of the musculosketetal system] Weisman JA. Radiol Diagn (Berl) 11:85-92, 1970 (Ger)
[Radiodiagnosis of subcutaneous ruptures of the biceps tendons] Veĭsman IuA. Ortop Travmatol Protez 31:25-9, Jul 70 (Rus)

SURGERY

Experimental straightening of tendons by adhesive fixation. Bornemisza G, et al. Acta Chir Acad Sci Hung 11:197-202, 1970
Tendon lacerations of the hand. (Case P41). Percy EC. Can Med Assoc J 104:1076 passim, 19 Jun 71
Tendon lacerations of the hands (case P75). Can Med Assoc J 104:415, 6 Mar 71
Flexor-tendon reconstruction in severely damaged hands. A two-stage procedure using a silicone-dacron reinforced gliding prosthesis prior to tendon grafting. Hunter JM, et al. J Bone Joint Surg [Am] 53:829-58, Jul 71
Suture or tendon graft?. An addendum to editorial of professor J. I. P. James in the May 1970 issue of this journal. Mayer L. J Bone Joint Surg [Br] 53:1-2, Feb 71
Repair of the ruptured Achilles tendon. Ralston EL, et al. J Trauma 11:15-21, Jan 71
Freeze-dried composite tendon allografts: an experimental study. Cameron RR, et al. Plast Reconstr Surg 47:39-46, Jan 71
Tendon repairs with nylon and a modified pullout technique. Mangus DJ, et al. Plast Reconstr Surg 48:32-5, Jul 71
A non-suture distal fixation technique for tendon grafts. Snow JW, et al. Plast Reconstr Surg 47:91-2, Jan 71
Primary tendon grafting in injuries of the thumb flexor. Ford JC, et al. South Med J 64:78-80, Jan 71
Biological principles of repair and regeneration of nerve and tendon. Goldner JL. South Med J 64:121-2, Jan 71
Repair of avulsion of medial canthal tendon. Wilkins RB. South Med J 63:1176-8, Oct 70
Observations on the effect of silicone fluid and flexor tendon healing in the dog. Adamson JE, et al. Surg Forum 21:502-4, 1970
Dislocation of lateral crural tendons] Diamant-Berger L. Presse Med 79:17, 2 Jan 71 (Fre)
[Results of operations for Achilles tendon ruptures] Mounier-Kuhn A. Rev Chir Orthop 57:Suppl 1:229+, 1971 (Fre)
[The encasing of tendon sutures with Millipore in animal experiments] Au HJ in der. Beitr Orthop Traumatol 17:53-4, Jan 70 (Ger)
[Experimental experiences with the severing of the Achilles tendon] Bertolini R, et al. Beitr Orthop Traumatol 17:59-60, Jan 70 (Ger)
[Surgical management of multiple injuries of the finger flexor tendons] Dubrow J. Beitr Orthop Traumatol 18:351-6, Jun 71 (Ger)
[Treatment of extensor tendon lesions of the distal finger phalanges by temporary arthrodesis of the distal joint] Pitzler K, et al. Beitr Orthop Traumatol 16:122-6, Mar 69 (Ger)
[Submicroscopical studies on autologous tendon transplants] Salamon A, et al. Beitr Orthop Traumatol 17:54-8, Jan 70 (Ger)
[Anatomy and surgery of the extensor tendon systems of the hand with reference to new surgical methods] Wilhelm A. Hefte Unfallheilkd 101:1-18, 1969 (Ger)
[Management of flexor tendon injuries of the hand. The causes of primary suture failure] Buck-Gramcko D. Monatsschr Unfallheilkd 72:55-6, Feb 69 (Ger)
[The rupture of the Achilles tendon and its suture using the plantaris tendon] Freilinger G, et al. Monatsschr Unfallheilkd 73:523-31, Nov 70 (Ger)
[Experiences and rehabilitation results in single and repeated plastic surgery of flexor tendons] Pannike A, et al. Monatsschr Unfallheilkd 74:211-23, May 71 (Ger)
[The luxation of the posterior tibial tendon] Scheuba G. Monatsschr Unfallheilkd 72:540-3, Dec 69 (Ger)
[Achilles tendon injuries] Treptow HR. Monatsschr Unfallheilkd 73:185-9, Apr 70 (Ger)
[Experiences with Valium in minor surgery] Zehntner H, et al. Ther Ggw 110:515-24, Apr 71 (Ger)
[Soft-part injuries] Suckert R. Wien Med Wochenschr 121:13-7, 9 Jan 71 (Ger)
[Surgical treatment of old ruptures of the Achilles tendon] Kleinod G. Zentralbl Chir 95:368-72, 21 Mar 70 (Ger)
[An original technic for reconstruction of the extensor apparatus] De Albentiis D, et al. Minerva Chir 25:852-6, 30 Jun 70 (Ita)
[The Pratt treatment of closed and open lesions of the terminal extensor tendon of the hand] Fiandaca A, et al. Minerva Ortop 21:43-6, Jan 70 (Ita)
[Injuries of the flexor tendon of the finger--reconstructive surgery and its evaluation] Suzuki K. Orthop Surg (Tokyo) 21:975-6, Oct 70 (Jap)
[Evaluation of the result of tendon transfer] Tsuge K. Orthop Surg (Tokyo) 21:979-81, Oct 70 (Jap)
[Evaluation of the result of tendon reconstruction] Watanabe Y. Orthop Surg (Tokyo) 21:976-9, Oct 70 (Jap)
[Surgery of ruptured extensor tendon of the thumb] Yamane H, et al. Orthop Surg (Tokyo) 21:937-9, Oct 70 (Jap)
[Evaluation of reconstruction surgery of the flexor tendon] Yamauchi Y, et al. Orthop Surg (Tokyo) 21:972-5, Oct 70 (Jap)
[Traumatic lesions of the tendo calcaneus. Histological changes and results of surgical treatment with our personal method] Lukasik S, et al. Chir Narzadow Ruchu Ortop Pol 36:153-6, 1971 (Pol)
[Function of the hand following injuries of the flexor and extensor tendons] Zeyland-Malawka E. Chir Narzadow Ruchu Ortop Pol 36:33-6, 1971 (Pol)
[Modification of the removed wire tendon suture] Aĭzenberg EA. Khirurgiia (Mosk) 22:136-7, Apr 69 (Rus)
[Surgical tactics in multiple injuries of the digital flexor tendons] Dubrov IaG. Khirurgiia (Mosk) 46:154-8, Apr 70 (Rus)
[Period of immobilization of extremities and functional therapy in complete laceration of Achilles tendon] Karasev VI. Klin Khir 10:68-9, Oct 69 (Rus)
[Results of treating patients with multiple old injuries to the tendons of the finger flexor muscles] Knishevitskiĭ VM, et al. Klin Khir 9:33-6, Sep 70 (Rus)
[Characteristics of treatment of hand and finger tendon injuries in patients of middle and old age] Demichev NP, et al. Ortop Travmatol Protez 32:10-5, Apr 71 (Rus)
[Primary suture of the flexor tendons of the fingers] Gel'viq IuA, et al. Ortop Travmatol Protez 32:6-9, Apr 71 (Rus)
[Determination of the degree of tension on the retracted muscle and the size of the transplant in tendoplasty] Knishevitskiĭ VM. Ortop Travmatol Protez 31:62-3, Oct 70 (Rus)
[Instruments for surgery on the flexor tendons of the fingers] Knishevitskiĭ VM. Ortop Travmatol Protez 32:75-6, Apr 71 (Rus)
[Characteristics of reconstructive treatment of multiple injuries to the digital flexor tendons] Knishevitskiĭ VM. Vestn Khir 105:94-7, Nov 70 (Rus)
[Rupture of all digital flexor tendons in the wrist] Levin LL. Vestn Khir 105:123, Sep 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Operated supraspinatus-ruptures] Lundberg BJ. Nord Med 85:254-5, 25 Feb 71 (Swe)

THERAPY

Mallet finger. A review of the literature. Barnes SN, et al. J Med Assoc Ga 59:455-8, Dec 70
[Indications for conservative treatment of distal subcutaneous lesions of the extensor tendons of the fingers] Fregnani L, et al. Arcisp S Anna Ferrara 23:15-30, 1970 (Ita)
[Treatment of injuries to the finger extensors] Bochafkovskaia ZhA. Ortop Travmatol Protez 32:15-8, Apr 71 (Rus)

VETERINARY

Repair of severed achilles tendon in a dog. Endres WA. Vet Med Small Anim Clin 66:466 passim, May 71

TENDONS (A2)

Tenosynovial chondromatosis--an unusual case. Roberts PH. Br J Surg 58:152, Feb 71
X-ray diffraction study of the mineralization of turkey leg tendon. Eanes ED, et al. Calcif Tissue Res 6:239-48, 1970
Clinical evaluation of rat tail tendon sutures. Dev S, et al. J All India Ophthalmol Soc 18:45-51, Jun 70
Soft-tissue spread of giant-cell tumor. A case report. Frangakis EK. J Bone Joint Surg [Am] 53:994-8, Jul 71
Giant-cell tumor of patellar tendon coincident with Paget's disease. Levine HA, et al. J Bone Joint Surg [Am] 53:335-40, Mar 71
Digital flexor lag in rheumatoid arthritis. Clinical significance and treatment. Wissinger HA. Plast Reconstr Surg 47:465-8, May 71
[Brown's syndrome and pseudosyndrome] Espesson Y, et al. Bull Soc Ophtalmol Fr 69:812-5, Sep-Oct 69 (Fre)
[Clear-cell sarcoma of the tendons and aponeurosis. Diagnostic and therapeutic problems. Apropos of a case] Jung A, et al. Rev Chir Orthop 56:553-62, Sep 70 (Fre)
[Fracture and ossification cyst in the ligamentum patellae] Laczay A, et al. Fortschr Geb Roentgenstr Nuklearmed 114:279-80, Feb 71 (Ger)
[Pseudarthrosis at the distal end of the ulna caused by tendon interposition] Anderle P. Monatsschr Unfallheilkd 72:481-5, Nov 69 (Ger)
[Manual medicine and insertion tendopathies] Schönberger M. Z Allgemeinmed 47:244-5, 20 Feb 71 (Ger)
[Congenital and acquired Brown's syndrome] Palmieri L, et al. Ann Ottalmol Clin Ocul 95:789-806, Oct 69 (Ita)
[Case of intermittent syndrome of the superior oblique tendon sheath] Urso G, et al. Ann Ottalmol Clin Ocul 95:1017-25, Dec 69 (Ita)
[Compression of posterior tibial nerve in the retromalleolar canal caused by tendon ganglion] Rinonapoli E. Arch Putti Chir Organi Mov 24:379-82, 1969 (Ita)
[Myeloplaxic tumor of tendon sheaths] Guidi P, et al. Minerva Ortop 21:180-8, Mar 70 (Ita)
[A case of Van Bogaert-Sherer-Epstein disease] Galizioli E. Pathologica 59:563-72, Nov-Dec 67 (Ita)
[Case of tenosynovial chondromatosis developing at the flexor tendon sheath of the finger] Fukuzawa G, et al. Orthop Surg (Tokyo) 21:892-4, Oct 70 (Jap)
[Case of tenosynovial osteochondroma originating at the tendon sheath of the ulnar-carpus] Kariya M, et al. Orthop Surg (Tokyo) 21:891-2, Oct 70 (Jap)
[So-called "snapping finger" in young children] Nakano K, et al. Orthop Surg (Tokyo) 21:876-9, Oct 70 (Jap)
[Ganglion of the hand] Nishioka T, et al. Orthop Surg (Tokyo) 21:889-90, Oct 70 (Jap)

ABNORMALITIES

Aberrant index (first) lumbrical tendinous origin associated with carpal-tunnel syndrome. A case report. Butler B Jr, et al. J Bone Joint Surg [Am] 53:10-2, Jan 71
Anomalous muscle belly of the flexor digitorum superficialis. Report of a case. Vichare NA. J Bone Joint Surg [Br] 52:757-9, Nov 70
[Case of double middle tendon of the flexor digitorum superficialis muscle] Rojek-Solarska A, et al. Folia Morphol (Warsz) 30:275-7, 1971 (Pol)

ANALYSIS

The distribution of trace metal ions in bone and tendon. Spadaro JA, et al. Calcif Tissue Res 6:49-54, 1970
Thermoanalytical investigations on the age-related changes in articular cartilage, meniscus and tendon. Bihari-Varga M, et al. Gerontologia 17:2-15, 1971
Age changes in the subunit composition of rat tail tendon collagen extracted at 65 degrees C in water and a 2 degrees C in acid. Steele MG, et al. Gerontologia 16:277-82, 1970
Sedimentation analysis of sodium collagen and its subunits of chicken leg tendon. Kakiuchi K, et al. J Biochem (Tokyo) 69:43-52, Jan 71

ANATOMY & HISTOLOGY

Association of tendon organs with spindles in muscles of the cat's leg. Marchand R, et al. Anat Rec 169:23-32, Jan 71
Tendon fibre arrangement and blood supply. Field PL. Aust NZ J Surg 40:298-302, Feb 71
[Anatomy and surgery of the extensor tendon systems of the hand with reference to new surgical methods] Wilhelm A. Hefte Unfallheilkd 101:1-18, 1969 (Ger)
[Anatomical considerations of a variable tendinous intersection in the obliquus internus abdominis muscle] Geller M, et al. Hospital (Rio de J) 77:1005-16, Mar 70 (Por)

BLOOD SUPPLY

Profundus tendon blood supply within the digital sheath. Young L, et al. Surg Forum 21:504-6, 1970
[Artero-capillary vascularization of the musculo-tendinous junction, of the tendon and of the peritendinous sheath (flexor and extensor muscles of the hand)] Loreti F. Chir Organi Mov 59:3-15, Jun 70 (Ita)

CYTOLOGY

Absorption spectral curves of dichroism on collagen bundles. De Campos Vidal B, et al. Histochemie 23:176-9, 1970
Variations in tendon cell morphology with animal, site and age. Holmes I. J Anat 108:305-9, Feb 71
[Electronmicroscopic studies of tendon insertion into bones] Becker W. Arch Orthop Unfallchir 69:315-29, 1971 (Ger)
[Ultrastructure of the muscle-tendon junction of skeletal and heart muscle] Hanak H, et al. J Ultrastruct Res 36:68-85, Jul 71 (Ger)
[Cambial elements of the tendons] Gusikhina VI. Arkh Anat Gistol Embriol 59:77-84, Jul 70 (Rus)
[Sex chromatin in various tissues of rabbits of different sexes] Gorokhova GP. Biull Eksp Biol Med 71:106-8, Mar 71 (Rus)

DRUG EFFECTS

[The effect of prednisolone on the physical behavior of tendon tissue] Jaster D. Beitr Orthop Traumatol 17:60-2, Jan 70 (Ger)
[Tissue damages after cortisone injections] Eichler HJ. Hefte Unfallheilkd 99:152-6, 1969 (Ger)
[Degenerative tendon changes following local application of corticoids] Krahl H, et al. Z Orthop 109:501-11, Jul 71 (Ger)

ENZYMOLOGY

Choline acetyltransferase and acetylcholinesterase in myo-tendinous and neuro-muscular junctions of mouse skeletal muscle. Flood PR, et al. Experientia 26:964-5, 26 Sep 70

GROWTH & DEVELOPMENT

[Experimenal studies on longitudinal growth of transplanted tendons] Seiffert KE. Med Monatsschr 24:153-5, Apr 70 (Ger)

INNERVATION

A method for the selective electrical activation of tendon organ afferent fibres from the cat soleus muscle. Coppin CM, et al. J Physiol (Lond) 210:18P-20P, Sep 70

PATHOLOGY

Scanning electron microsopic studies of extensor tendon degeneration in rheumatoid arthritis. Inoue H, et al. Acta Rheumatol Scand 16:311-8, 1970
[Clear cell alveolar sarcoma of the tendons] Garneau R. Laval Med 40:279-80, Mar 69 (Fre)

PHYSIOLOGY

Strain variation in the components of the extensor apparatus of the finger during flexion and extension. A biomechanical study. Sarrafian SK, et al. J Bone Joint Surg [Am] 52:980-90, Jul 70
Relative sensitivity of soleus and anterior tibial tendon organs to active and passive forces. Mosher CG, et al. Trans Am Neurol Assoc 95:288-91, 1970
[Evaluation of the distance in sliding movement of the tendon as the basis for tendon surgery] Saito H. Orthop Surg (Tokyo) 21:982-4, Oct 70 (Jap)
[Mechanical qualities of intact and sutured peroneus tendons in rabbits] Hirsch G. Nord Med 84:1351, 15 Oct 70 (Swe)

PHYSIOPATHOLOGY

Superior oblique tendon sheath syndrome. An electromyographical study. Catford GV, et al. Br J Ophthalmol 55:155-60, Mar 71

RADIOGRAPHY

Tendon sheaths and bursae involved by rheumatoid disease at the foot and ankle. Palmer DG. Australas Radiol 14:419-28, Nov 70
[Tenography of the rheumatic hand] Serre H, et al. Rev Rhum Mal Osteoartic 38:127-9, Feb 71 (Fre)

SURGERY

Recurrent dislocation of the shoulder treated by transposition of the tendon to pectoralis minor. A follow-up of fifteen patients. Weber-Laumann A. Acta Orthop Scand 41:161-4, 1970
Atraumatic flexor tendon retrieval. Kilgore ES Jr, et al. Am J Surg 122:430-1, Sep 71
Flexor tendon repair over the proximal phalanx. Miller RC. Am J Surg 122:319-24, Sep 71
Fractures of the olecranon. II. Excision of the fragment and reinsertion of triceps tendon in comminuted fractures. Bakalim G, et al. Ann Chir Gynaecol Fenn 60:102-4, 1971
Direct visualization of the superior oblique tendon. Parks MM, et al. Arch Ophthalmol 84:491-4, Oct 70
Unusual sequelae of surgery in the superior oblique tendon sheath syndrome. Haworth SM. Br J Ophthalmol 54:875-9, Oct 70
Tendon transfers for poliomyelitis of the lower limb in Guinean children. Mestikawy M, et al. Clin Orthop 75:188-94, Mar-Apr 71
A treatise on the McBride procedure. A review of the McBride publications on hallux valgus correction with observations on rationale of the original procedure and the current modifications. McGlamry ED, et al. J Am Podiatry Assoc 61:161-73, May 71
Paralysis of hip abductor muscles in spina bifida. Results of treatment by the Mustard procedure. Cruess RL, et al. J Bone Joint Surg [Am] 52:1364-72, Oct 70
Transfer of the long flexor tendon of the index finger to the proximal phalanx of the long finger during index-ray amputation. Eversmann WW, et al. J Bone Joint Surg [Am] 53:769-73, Jun 71
Watson-Jones repair of lateral instability of the ankle. Gillespie HS, et al. J Bone Joint Surg [Am] 53:920-4, Jul 71
Ledge tenodesis of the extensor hallucis longus. A susbtitution for the Jones operation. Kirk AA, et al. J Bone Joint Surg [Am] 53:774-6, Jun 71
Biceps brachii rerouting in treatment of paralytic supinatio contracture of the forearm. Owings R, et al. J Bone Joint Surg [Am] 53:137-42, Jan 71
Suture or tendon graft?. An addendum to editorial of professor J. I. P. James in the May 1970 issue of this journal. Mayer L. J Bone Joint Surg [Br] 53:1-2, Feb 71
The structure of pigeon muscle and its changes due to tenotomy. Hikida RS, et al. J Exp Zool 175:343-56, Nov 70
Restoration of finger flexion by biceps brachii. Chatterjee SK, et al. J Indian Med Assoc 55:333-7, 16 Nov 70
Tendon transfer. Mnaymneh W. J Med Liban 24:77-86, 1971
Palmar nerve and tendon repair. JAMA 217:1864, 27 Sep 71
A review of the use of prosthetic materials in tendon surgery. Rogers NB. Med Ann DC 39:411-6, Aug 70 (11 ref.)
Clinical survey of silicone underlays and pulleys in tendon surgery in hands. Bader K, et al. Plast Reconstr Surg 47:576-9, Jun 71
Use of the extensor pollicis brevis to restore abduction in the unstable thumb. Enna CD. Plast Reconstr Surg 46:350-6, Oct 70
Effects of triamcinolone on tendon healing and function. A laboratory study. Ketchum LD. Plast Reconstr Surg 47:471-82, May 71
Use of a transverse carpal ligament window for the pulley in tendon transfers for median nerve palsy. Snow JW, et al. Plast Reconstr Surg 48:238-40, Sep 71
The use of silastic sheet in hand surgery. Carstam N, et al. Scand J Plast Reconstr Surg 5:57-61, 1971
Primary tendon grafting in injuries of the thumb flexor. Ford JC, et al. South Med J 64:78-80, Jan 71
Biological principles of repair and regeneration of nerve and tendon. Goldner JL. South Med J 64:121-2, Jan 71
An operation for fractures of the patella using the temporary patellar tendon substitution technic. McConnell BE. South Med J 64:87-9, Jan 71
Effect of beta-aminioproprionitrile on adhesions following digital flexor tendon repair in chickens. Herzog M, et al. Surg Forum 21:509-11, 1970
[Intratissular pressure among complications of intervention for acute arterial ischemia: indications for aponeurotomy in vascular surgery] Descotes J, et al. Lyon Chir 65:713-9, Sep-Oct 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Dislocation of lateral crural tendons] Diamant-Berger L. Presse Med 79:17, 3 Jan 71 (Fre)
[Results of modified tibialis-anticus tendon translocation in flatfoot] Tischer K. Beitr Orthop Traumatol 17:188-9, Feb 70 (Ger)
[The surgical treatment of the incomplete flatfoot in juveniles] Krause W. Z Orthop 108:33-7, Jul 70 (Ger)
[Histochemistry of oxidoreductases and ultrastructural findings in experimental myopathy caused by tenotomy] Calapso P, et al. Acta Histochem (Jena) 38:31-44, 1970 (Ita)
[Evaluation of the distance in sliding movement of the tendon as the basis for tendon surgery] Saito H. Orthop Surg (Tokyo) 21:982-4, Oct 70 (Jap)
[Posterior transposition of the peronaeus longus tendon for paralytic talipes calcaneus] Suzuki R, et al. Orthop Surg (Tokyo) 22:547-53, Jul 71 (Jap)
[Evaluation of the result of tendon transfer] Tsuge K. Orthop Surg (Tokyo) 21:979-81, Oct 70 (Jap)
[Tenotomy in coxarthrosis] Paus P. Nord Med 85:387, 25 Mar 71 (Nor)
[Modification of tenorrhaphy and tenorraphy with tenomyectomy] Vafnshtein BI. Oftalmol Zh 26:26-9, 1971 (Rus)
[Experimental tendoplasty with preserved dura mater] Aratskif VP, et al. Ortop Travmatol Protez 31:28-32, Oct 70 (Rus)
[Reconstructive surgery in impaired opposition of the thumb] Rafe RE. Vestn Khir 105:102-7, Dec 70 (Rus)
[Surgical methods in retraction syndromes] Polyn' VD. Vestn Oftalmol 4:69-70, 1970 (Rus)
[Current surgical treatment of rheumatoid arthritis] Escayola Ritter JL, et al. Rev Esp Reum Enferm Osteoartic 13:413-9, Jul 70 (Spa)

TRANSPLANTATION

Tissue surrounding grafted tendons in dogs. A pathomorphologic study. Edshage S, et al. Acta Orthop Scand 41:292-306, 1970
Silastic spacers in tendon grafting. Meulen JC van der. Br J Plast Surg 24:166-73, Apr 71
Freeze-dried composite tendon allografts: an experimental study. Cameron RR, et al. Plast Reconstr Surg 47:39-46, Jan 71
Studies on the revascularization of tendons grafted by the silicone rod technique. Conway H, et al. Plast Reconstr Surg 46:582-7, Dec 70
Preserved composite tendon allografts: a comparative study of changes in length, elasticity, and anastomotic and lineal tensile strength. Cameron RR, et al. Surg Forum 21:506-8, 1970
Simultaneous quantification of 3H collagen loss and 1H collagen replacement during healing of rat tendon grafts. Lewis JA, et al. Surg Forum 21:458-9, 1970
[Restoration of the Achilles tendon by tendon transplantation in paralysis of the sural triceps. On 26 cases] Ingelrans P, et al. Acta Orthop Belg 34:857-70, 1968 (Fre)
[Plasties of opposition by tendinous transplantation through the interosseous membrane] Duparc J, et al. Rev Chir Orthop 57:29-34, Jan-Feb 71 (Fre)
[Submicroscopical studies on autologous tendon transplants] Salamon A, et al. Beitr Orthop Traumatol 17:54-8, Jan 70 (Ger)
[Experimenal studies on longitudinal growth of transplanted tendons] Seiffert KE. Med Monatsschr 24:153-5, Apr 70 (Ger)
[Experiences and rehabilitation results in single and repeated plastic surgery of flexor tendons] Pannike A, et al. Monatsschr Unfallheilkd 74:211-23, May 71 (Ger)
[Experimental study on reconstructive surgery of the anterior cruciate ligament using free autogenous tendon] Sueyasu M. J Jap Orthop Assoc 45:233-41, Apr 71 (Jap)
[Trial of using heterogenous stored tendons for bone union] Kowalik S. Czas Stomatol 24:535-8, May 71 (Pol)
[Surgical tactics in multiple injuries of the digital flexor tendons] Dubrov IaG. Khirurgiia (Mosk) 46:154-8, Apr 70 (Rus)
[Determination of the degree of tension on the retracted muscle and the size of the transplant in tendoplasty] Knishevitskif VM. Ortop Travmatol Protez 31:62-3, Oct 70 (Rus)

TENDONS, PARA-ARTICULAR (A2)

Subcellular distribution of cerebral cholestanol in cerebrotendinous xanthomatosis. Stahl WL, et al. J Neurochem 18:403-13, Mar 71
Ganglion cysts of bone. Sim FH, et al. Mayo Clin Proc 46:484-8, Jul 71
[Cutaneous and tendinous forms of hypercholesterolemic xanthomatosis. Clinical biologic and genetic study of 11 cases] Gennes JL de, et al. Atherosclerosis 13:147-69, Mar-Apr 71 (Fre)
[Phonoparatenography (PPG)- a new method for the exact diagnosis of paratenonitis crepitans and control of treatment results following application of Myalase "Dessau"] Bellmann H. Zentralbl Chir 95:642-6, 23 May 70 (Ger)
[Case of distal ulnar nerve paralysis due to ganglion in a youth] Miwa M, et al. Orthop Surg (Tokyo) 21:957-8, Oct 70 (Jap)
[Ganglion of the hand] Nishiyama T, et al. Orthop Surg (Tokyo) 21:1100-5, Dec 70 (Jap)
[Crepitant paratenonitis of the forearm] Malikov VB. Vestn Khir 104:60-2, Mar 70 (Rus)

INJURIES

[Radiodiagnosis of subcutaneous ruptures of the biceps tendons] Veĭsman IuA. Ortop Travmatol Protez 31:25-9, Jul 70 (Rus)

PATHOLOGY

Multifunctional mesenchymal cells resembling smooth muscle cells in ganglia of the wrist. Ghadially FN, et al. Ann Rheum Dis 30:31-42, Jan 71

PHYSIOLOGY

Hamstrings stretch reflex in human spasticity. Burke D, et al. J Neurol Neurosurg Psychiatry 34:231-5, Jun 71

PHYSIOPATHOLOGY

Hamstrings stretch reflex in human spasticity. Burke D, et al. J Neurol Neurosurg Psychiatry 34:231-5, Jun 71

SURGERY

On the treatment of ganglia. Hvid-Hansen O. Acta Chir Scand 136:471-6, 1970
[Carpal ganglion. Rectrospective study] Ohman U, et al. Nord Med 84:1380, 22 Oct 70 (Swe)

TRANSPLANTATION

Tendon transfer in the hand. Use of the sublimis to reinforce the extensors. Fragiadakis EG, et al. Int Surg 55:172-8, Mar 71

TENOSYNOVITIS (C3)

[Anatomo-clinical comparison of inflammatory synovial and tenosynovial lesions] Rhumatologie 22:117-36, Apr 70 (Fre)
[Pathogenesis and treatment of tendovaginitis] Witt A, et al. Hefte Unfallheilkd 107:215-21, 1970 (Ger)
[2 cases of peritendinious tuberculosis of the foot] Ogawa S, et al. Orthop Surg (Tokyo) 22:56-9, Jan 71 (Jap)

CHEMICALLY INDUCED

Gold spinner's hand. White AG. Br J Clin Pract 25:147-8, Mar 71

COMPLICATIONS

Tendon involvement in the rheumatoid hand. Backhouse KM, et al. Ann Rheum Dis 30:236-42, May 71

ETIOLOGY

[De Quervain's disease. Considerations on various still debated problems] Manes E, et al. Chir Organi Mov 58:166-72, 1969 (Ita)

OCCURRENCE

Trigger finger. Incidence in children and adults and the possibility of a predisposition in certain age groups. Wellby A. Acta Orthop Scand 41:419-27, 1970

PATHOLOGY

[Chronic aspecific tenosynovitis of the tendon of the posterior tibial muscle] Martens M, et al. Acta Orthop Belg 34:991-8, 1968 (Dut)
[Studies of the pathology of tendons and synovial bursae. IV. Xanthogranuloma of the tendon sheaths and rheumatoid tenosynovitis] De Santis E, et al. Riv Anat Patol Oncol 35:114-35, 1969 (Ita)

RADIOGRAPHY

Tenography of the rheumatoid hand. Brewerton DA. Rheumatol Phys Med 11:34-5, Feb 71
[Tenography of the rheumatic hand] Serre H, et al. Rev Rhum Mal Osteoartic 38:127-9, Feb 71 (Fre)

SURGERY

Treatment of trigger fingers. Kolind-Sorensen V. Acta Orthop Scand 41:428-32, 1970

THERAPY

Acute suppurative tenosynovitis. McDougall EP. Can J Surg 11:41-3, Jan 68
[Diagnosis and therapy of soft tissue infections in the hand] Böhler J. Hefte Unfallheilkd 107:221-5, 1970 (Ger)

VETERINARY

Treatment of tendosynovitis in the horse by the tendon splitting operation. Maxwell JA. Aust Vet J 47:192-3, May 71

TENSION-DISCHARGE DISORDERS see under SOCIOPATHIC PERSONALITY (F2)

TENSOR TYMPANI see under TYMPANIC MEMBRANE (A9)

TERATOID TUMOR (C2)

Embryonal adenocarcinoma in the prepubertal testis. A clinicopathologic study of 18 cases. Young PG, et al. Cancer 26:1065-75, Nov 70
Ovarian tumors in children: report of a case. Breckenridge RD. J Am Osteopath Assoc 70:946-8, May 71
Developmental potentialities of clonal in vitro cultures of mouse testicular teratoma. Kahan BW, et al. J Natl Cancer Inst 44:1015-36, May 70
In vitro growth and differetiation of clonal populations of multipotential mouse clls derived from a transplantable testicular teratocarcinoma. Rosenthal MD, et al. J Natl Cancer Inst 44:1001-14, May 70
Anaplastic teratoid carcinoma of the mediastinum, pericardium and lung. An example of successful cooperative management. Alexander LL, et al. J Natl Med Assoc 62:327-30, Sep 70
Testicular tumors in children. Johnson DE, et al. J Urol 104:940-3, Dec 70
Intraspinal teratoma. Reddy DR, et al. Neurol India 19:45-7, Mar 71
Retroperitoneal teratoma. Five-year survival in adolescence. Mamakos MS. NY State J Med 71:1838-40, 1 Aug 71
Teratomas in infancy and childhood. Chappell JS. S Afr J Surg 8:77-85, 1970
[Malignant testicular tumors] Srámek F, et al. Rozhl Chir 49:451-6, Sep 70 (Cze)
[Malignant tumors of gonads in children] Schweisguth O. Probl Actuels Endocrinol Nutr 13:85-110, 1969 (Fre)
[Malignant tumors of the ovary in children] Schweisguth O, et al. Rev Fr Gynecol Obstet 63:195-9, Apr 68 (Fre)
[Sacrococcygeal teratoma in children: clinical and arteriographic study] Blanchard H, et al. Union Med Can 100:1311-20, Jul 71 (Fre)
[Testicular neoplasms. Main pathologic-anatomical lecture] Eder M. Langenbecks Arch Chir 322:783-93, 1968 (Ger)
[Testicular neoplasms. Main surgical-urologic lecture] Sigel A. Langenbecks Arch Chir 322:800-11, 1968 (Ger)
[Teratoid tumors in gynecology] Mauler H. Zentralbl Gynaekol 92:1228-36, 19 Sep 70 (Ger)
[Sacro-coccygeal teratoma] Montagnini R, et al. Ann Ital Chir 45:1253-70, 1970 (Ita)
[Embryonal carcinoma of the testis in a 18-month-old infant. (Importance of intra-testicular lymphography)] Sorrentino F. Arch Ital Urol Nefrol 42:77-87, 1969 (Ita)
[Ovarian teratoid tumor. Clinical case and considerations] De Gennaro F. Minerva Ginecol 21:772-5, 30 Jun 69 (Ita)
[Adenocarcinoma of the rete testis. Case report] Muraro GB, et al. Osp Ital Chir 22:133-40, Feb 70 (Ita)
[Adenomatoid tumor of epididymis. 2 personal cases] Nicolò G, et al. Pathologica 61:317-27, Sep-Oct 69 (Ita)
[Unusual case of an embryonal carcinoma of the testicle in the infantile age] Ciotola R, et al. Rass Int Clin Ter 50:1365-73, 15 Nov 70 (Ita)
[Benign esophageal neoplasms] Matiashin IM, et al. Vestn Khir 105:8-11, Sep 70 (Rus)
[Teratoid tumor of the pharynxin a newborn] Breusenko VD, et al. Vestn Otorinolaringol 32:85-7, Nov-Dec 70 (Rus)
[Radioisotope diagnosis of retroperitoneal metastases of malignant testicular neoplasms] Gorbade[NK, et al. Vopr Onkol 17:30-5, 1971 (Rus)
[Sacral teratoma (sacrococcygeal teratoma)] Vardar A, et al. Tip Fak Mecm 32:874-80, 1969 (Tur)
[Embryonal tumors of the retroperitoneal space and small pelvis in children] Kukuruza IuP, et al. Pediatr Akush Ginekol 2:30-1, Mar-Apr 70 (Ukr)

COMPLICATIONS

Obstipation in an infant. Holder TM. Clin Pediatr (Phila) 10:293, May 71
Acquired pulmonary stenosis. Littler WA, et al. Thorax 25:465-71, Jul 70
[Congenital fistulizing presacral teratoma. (Contribution on the problem of sacrococcygeal fistulas)] Zadorožný P, et al. Rozhl Chir 49:473-6, Sep 70 (Cze)
[Malignant transformation of a mediastinal teratoma 31

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

years after revealing itself by the vomiting of hair] Alaoui A, et al. Maroc Med 50:158-63, Mar 70 (Fre)
[Neck neoplasm causing asphyxia in newborn infants] Hofmann S, et al.
Langenbecks Arch Chir 322:1231-6, 1968 (Ger)
[Extravalvular pulmonary stenosis in mediastinal tumors] Slany J, et al.
Thoraxchirurgie 19:141-5, Apr 71 (Ger)
[Dermal sinuses associated with intraspinal tumors] Carrascosa RG, et al.
Rev Clin Esp 117:397-406, 31 May 70 (Spa)
[Malignant mediastinal teratoma causing arteriovenous fistula and a continuous murmur] Cohen H, et al.
Rev Med Chil 97:674-7, Oct 69 (Spa)

CONGENITAL

Some observations on congenital teratomata and ectopic cerebromata. Crockford DA, et al.
Br J Plast Surg 24:31-42, Jan 71
[Congenital teratoma of the neck] Schade R.
Zentralbl Gynaekol 91:1583-6, 29 Nov 69 (Ger)
[On a case of teratoma of the neck in a newborn infant] Alessi A, et al.
Arch Ital Anat Istol Patol 42:447-73, 1969 (Ita)
[Coincidence of unusual complications during delivery of a fetus with a giant sacrococcygeal teratoma] Higier J, et al. Wiad Lek 24:785-9, 15 Apr 71 (Pol)
[Giant sacrococcygeal tumor in a newborn] Rudkiewicz D, et al. Wiad Lek 24:155-7, 15 Jan 71 (Pol)

DIAGNOSIS

Malignant sacrococcygeal teratoma--a problem in diagnosis. Scobie WG. Arch Dis Child 46:216-8, Apr 71
Pineal teratoma containing a tooth. Ramamurthi B, et al. Neurol India 18:234-5, Dec 70
Correlation conferences in radiology and pathology. Embryonal teratoma of ovary.
NY State J Med 70:2570-3, 15 Oct 70
[Nasopharyngeal teratoma in a 20-month-old girl] Kraus P, et al. Cesk Pediatr 25:487-9, Oct 70 (Cze)
[Intraspinal enteric cysts. 3 cases] Kahn AP, et al.
Neurochirurgie 17:33-44, Jan-Feb 71 (Fre)
[Importance of the proof of alpha 1-fetoprotein in the framework of pediatric tumor diagnosis] Neidhardt M, et al. Klin Wochenschr 48:1244-5, 15 Oct 70 (Ger)
[Prognosis and early diagnosis of testicular neoplasm metastases] Engelking R, et al.
Langenbecks Arch Chir 322:828-31, 1968 (Ger)
[Metastasis of malignant testicular tumors] Schrader CP, et al. Med Welt 7:245-8, 13 Feb 71 (Ger)
[Clinico-diagnostic findings in 2 cases of teratoma of the ovary] Wiel-Marin A, et al.
Chir Patol Sper 17:335-48, Oct 69 (Ita)
[Fiber-optic endoscope: endoscopic examination of a case with a huge teratoma in the 3rd ventricle] Mori K, et al. Brain Nerve (Tokyo) 22:1429-35, Dec 70 (Jap)
[Retroperitoneal teratoma in infants] Masuda F, et al.
Jap J Urol 62:175-83, Feb 71 (Jap)
[Evaluation of the use of highly sensitive methods of determining alpha-fetoprotein for the diagnosis of hepatocellular cancer and teratoblastoma] Abelev GI, et al. Biull Eksp Biol Med 71:75-81, Apr 71 (Rus)
[Errors in the diagnosis of suppurative organoid teratoma in the abdominal cavity] Gerasimenko AA, et al. Klin Khir 4:87-8, Apr 70 (Rus)
[Cytological diagnosis of primary testicular neoplasms] Koriakina RF, et al.
Urol Nefrol (Mosk) 35:43-7, Nov-Dec 70 (Rus)
[Clinical picture and morphology of rare neoplasms of the chiasm and 3d ventricle fundus] Sokolova ON, et al. Vestn Oftalmol 2:69-71, 1971 (Rus)
[Primary tumors of the 3d ventricle of the brain (clinical picture and diagnosis)] Legkonogov VA.
Vopr Neirokhir 34:40-3, Nov-Dec 70 (Rus)

DRUG THERAPY

Mithramycin therapy in advanced testicular neoplasms. Kennedy BJ. Cancer 26:755-66, Oct 70
Production and treatment of testicular teratocarcinoma induced by genital ridge transplantation. Javadpour N, et al.
J Urol 105:534-9, Apr 71
[Olivomycin in the therapy of malignant testicular tumors] Astrakhan VI, et al.
Antibiotiki 15:837-40, Sep 70 (Rus)
[Use of large single doses of cyclophosphane (endoxan)] Garin AM. Vopr Onkol 16:43-8, 1970 (Rus)

ETIOLOGY

Environmental influence on experimental teratocarcinogenesis in testes of mice. Stevens LC.
J Exp Zool 174:407-14, Aug 70
Teratomas obtained through extrauterine growth of seven-day mouse embryos. Damjanov I, et al.
J Natl Cancer Inst 46:471-5 passim, Mar 71
The early natural history of murine germinal testicular tumors. Mount BM, et al. J Urol 105:812-6, Jun 71
[Neuroleptic treatment at the onset of pregnancy and sacro-coccygeal teratoma of the fetus] Bergamaschi P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:316-8, 1968 (Fre)
[Malignant degeneration of mediastinal teratomas] Uglov FG, et al. Vopr Onkol 17:21-4, 1971 (Rus)

FAMILIAL & GENETIC

[Testicular tumors in 2 brothers with practically simultaneous occurrence of malignant growth] Nordholt AE.
Ned Tijdschr Geneeskd 115:1046-9, 12 Jun 71 (Dut)
[Cytogenetic analysis of human teratoid testicular tumors] Lelikova GP, et al.
Vopr Onkol 16:32-8, 1970 (Rus)

IMMUNOLOGY

The occurrence of a serum fetal alpha-1 protein in developing mice and murine hepatomas and teratomas. Kahan B, et al. Cancer Res 31:930-6, Jul 71

METABOLISM

Isolation of specific macromolecules required for adhesion of mouse tumour cells. Oppenheimer SB, et al. Nature (Lond) 232:125-7, 9 Jul 71
[Protein fractions of benign and malignant cystomas] Mettler L, et al.
Z Geburtshilfe Gynaekol 174:58-74, 1971 (Ger)

MORTALITY

[Prognosis of testicular tumors. Clinico-anatomical review of 100 cases classified by the Collins and Pugh method] Cornu P.
Schweiz Med Wochenschr 101:422-8, 27 Mar 71 (Fre)
[Testicular neoplasms in the federal army with fatal outcome] Altwein JE, et al.
Med Monatsschr 24:489-93, Nov 70 (Ger)

OCCURRENCE

[Testicular tumors observed in a German army] Mairose UB, et al.
Bull Cancer (Paris) 58:103-14, Jan-Mar 71 (Fre)
[Intracranial teratoma in Negroes] Girard PL, et al.
Bull Soc Med Afr Noire Lang Fr 15:515-22, 1970 (Fre)

PATHOLOGY

Teratoid cyst of the cecum. Kay S.
Am J Dig Dis 16:265-8, Mar 71
Tooth identity in ovarian teratomas. Main DM.
Br Dent J 129:328-32, 6 Oct 70
Clinical and pathological studies on pineal tumors. Komatsu K, et al.
Bull Tokyo Med Dent Univ 18:137-47, Jun 71
The adenomatoid tumor: fine structural evidence for a mesothelial origin. Mackay B, et al.
Cancer 27:109-15, Jan 71
Histological features of testicular tumours. Moghe KV, et al. Indian J Cancer 7:98-109, Jun 70
Teratoma of the orbit. Appalanarasayya K, et al.
Int Surg 54:301-3, Oct 70
Teratomas obtained through extrauterine growth of seven-day mouse embryos. Damjanov I, et al.
J Natl Cancer Inst 46:471-5 passim, Mar 71
Ovarian teratoma containing arrhenoblastic tissue. Bulwa FM, et al.
J Obstet Gynaecol Br Commonw 78:759-61, Aug 71
Ovarian teratomas in guinea-pigs: a report of ten cases. Vink HH. J Pathol 102:180-2, Nov 70
Extragonadal testicular tumors. Utz DC, et al.
J Urol 105:271-4, Feb 71
Malignant neural elements in a benign cystic teratoma. A case report. Shirley RL, et al.
Obstet Gynecol 37:402-7, Mar 71
Extragonadal testicular tumors. Utz DC, et al.
Trans Am Assoc Genitourin Surg 62:179-82, 1970
Malignant teratoma of the spleen. Daftary M, et al.
Yale J Biol Med 43:283-7, Feb-Apr 71
[Dysembryoplastic broncho-pulmonary tumors. Morphopathological and statistical study of 35 cases] Diaconitza G. Poumon Coeur 25:907-21, 1969 (Fre)
[Pathology and therapy of testicular tumors in children] Willnow U, et al.
Z Urol Nephrol 63:827-39, Nov 70 (Ger)
[The "adenomatoid tumor" of the epididymis (on an unusual bioptic case)] Balletta V, et al.
Arch De Vecchi Anat Patol 54:795-804, Apr 69 (Ita)
[Differentiated teratomas of the ovary] Gubetta L, et al. Cancro 22:311-80, 1969 (Ita)
[The so-called adenomatoid tumor of the epididymis (4 case reports and review of the literature)] Badini A, et al. Riv Anat Patol Oncol 33:231-50, 1968 (Ita)
[Adenomatoid tumor and mesothelioma of the male genital tract] Fujita K, et al.
Jap J Urol 62:257-61, Mar 71 (Jap)
[Orchioblastoma] Bialik VL, et al.
Arkh Patol 33:80-2, 1971 (Rus)

PHYSIOPATHOLOGY

[Endocrine function of testicular neoplasms] Karl HJ.
Langenbecks Arch Chir 322:794-800, 1968 (Ger)

RADIOGRAPHY

Teratomas in infants and children. Partlow WF, et al.
Am J Roentgenol Radium Ther Nucl Med 112:155-66, May 71
Involvement of the duodenum by metastases from tumours of the genital tract. Ngan H.
Br J Radiol 43:701-5, Oct 70
[Radiography of a testicular tumor, microcalcifications and malignant lesions] Juillard G, et al.
Bull Cancer (Paris) 56:489-92, Oct-Dec 69 (Fre)
[Value of lymphography in the diagnosis of retroperitoneal metastases in malignant testicular neoplasms] Körner F, et al.
Langenbecks Arch Chir 322:822-5, 1968 (Ger)
[The place of lymphography in the diagnosis and therapy of malignant testicular tumors] Trinckauf HH, et al. Z Urol Nephrol 63:815-25, Nov 70 (Ger)
[Retroperitoneal teratoma in adults. (Report on 2 cases)] Hofmeier G, et al.
Zentralbl Chir 95:158-64, 31 Jan 70 (Ger)
[Lymphographic observations in neoplasms of the testicle] Canino V, et al. Cancro 21:628-44, 1968 (Ita)
[Errors in the diagnosis of nonorganic retroperitoneal tumors] Cherkes VL.
Khirurgiia (Mosk) 45:96-101, Sep 69 (Rus)

RADIOTHERAPY

Radiotherapy for patients with tumours of the testicle. Smithers D, et al. Br J Urol 43:83-92, Feb 71
A clinical study of partial liver irradiation. Nomura S.
Hiroshima J Med Sci 19:63-72, Sep 70
Radiation therapy for the embryonal carcinoma of testis in childhood. Matsumoto K, et al.
J Urol 104:778-80, Nov 70
[Radiotherapy of soft tissues] Lougheed M.
Laval Med 41:20-1, Jan 70 (Fre)
[Testicular neoplasms. Main radiologic lecture] Kuttig H. Langenbecks Arch Chir 322:811-9, 1968 (Ger)
[Germinal testicular neoplasms] Schaudig G, et al.
Strahlentherapie 141:495-507, May 71 (Ger)
[Results of x-ray therapy of malignant tumors of the testicles] Kukolewska-Machnicka J, et al.
Pol Przegl Chir 43:Suppl 2a:337+, Feb 71 (Pol)

SURGERY

Solid malignant ovarian teratoma: case of an 8 year survival. Malkasian GD Jr, et al.
Am J Obstet Gynecol 110:1020-1, 1 Aug 71
The problem of continence. Following pediatric operations in the anal and rectal area. Daum R, et al.
Am J Proctol 21:352-9, Oct 70
A case of epignathus with long term survival. Bennett JP. Br J Plast Surg 23:360-4, Oct 70
Surgical treatment of pulmonary metastases from testicular tumours. Rees GM, et al.
Br Med J 3:467-70, Aug 71
Teratoma of the orbit. Appalanarasayya K, et al.
Int Surg 54:301-3, Oct 70
Giant sacrococcygeal teratoma in the newborn. Case report and review of the literature. Salaymeh MT.
Int Surg 56:56-60, Jul 71
The infratentorial supracerebellar approach to pineal lesions. Stein BM. J Neurosurg 35:197-202, Aug 71
The surgical management of testis tumors. Skinner DG, et al. J Urol 106:84-93, Jul 71
The surgical management of testis tumors metastatic to the lung: a report of 10 cases with subsequent resection of from one to seven pulmonary metastases. Skinner DG, et al. J Urol 105:275-82, Feb 71
Retroperitoneal lymphadenectomy for testicular tumors. Walsh PC, et al. JAMA 217:309-12, 19 Jul 71
Emergency reconstruction of the superior vena cava. Beattie EJ Jr, et al.
Surg Clin North Am 50:959-67, Oct 70
The surgical management of testis tumors metastatic to the lung: a report of 10 cases with subsequent resection of from one to seven pulmonary metastases. Skinner DG, et al.
Trans Am Assoc Genitourin Surg 62:183-91, 1970
[Cervical teratoma] Wey W, et al.
HNO 18:375-9, Dec 70 (Ger)
[Case studies on coccygeal teratomas] Skibbe G, et al.
Zentralbl Chir 96:150-4, 23 Jan 71 (Ger)
[Case of teratoid cyst in the caudal area] Sugiura Y, et al. Orthop Surg (Tokyo) 22:482-4, 1971 (Jap)
[Surgical treatment of a teratoma of the thymus] Wyrwa E, et al. Pol Przegl Chir 43:111-3, Jan 71 (Pol)
[Surgical treatment of mediastinal tumors] Rzepecki W, et al. Pol Tyg Lek 25:1233-6, 17 Aug 70 (Pol)
[Teratoma adultum ovrrii in a 2-year-old girl] Kowalski R, et al. Wiad Lek 24:579-84, 15 Mar 71 (Pol)
[Surgery in terato-dermoid tumors of the mediastinum] Ovnatanian KT, et al.
Khirurgiia (Mosk) 48:96-9, Aug 70 (Rus)
[Mediastinal neoplasms and cysts in children] Bairov GA, et al. Vestn Khir 105:99-106, Aug 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Thymus gland teratoma in a child] Ignat'ev BP. Vestn Khir 105:113, Aug 70 (Rus)
[Retroperitoneal teratoid tumor of giant dimensions] Lesovoĭ AV. Vestn Khir 105:113-4, Aug 70 (Rus)
[Surgery of mediastinal cysts and neoplasms] Ovnatanian KT, et al. Vestn Khir 105:16-20, Aug 70 (Rus)
[A case of removal of teratoma of the nasopharynx in an infant 6 hours after birth] Kostenko VG. Zh Ushn Nos Gorl Bolezn 30:106, May-Jun 70 (Rus)

THERAPY

Testicular tumors in infants and children: report of 5 cases and evaluation of different modes of therapy. McCullough DL, et al. J Urol 105:140-8, Jan 71
Experiences with the treatment of malignant tumours of the testis. Durkovský J, et al. Neoplasma 18:113-22, 1971
Treatment for embryonal carcinoma when primary site is unknown. Fortner JG. Postgrad Med 49:215-7, Jan 71
[Transperitoneal lymph node excision and cytostatic postoperative treatment of malignant germinal testicular neoplasms] Gödde S, et al. Langenbecks Arch Chir 322:831-3, 1968 (Ger)
[Therapy and prognosis in testicular tumors] Vahlensieck W. Med Welt 21:1761-8, 10 Oct 70 (Ger)

TEREPHTHALANILIDES see PHTHALANILIDES

(D2)

TERMINAL CARE (E2, N2)

see also related
PALLIATIVE TREATMENT (E2)

To die at home. Blewett LJ. Am J Nurs 70:2802-4, Dec 70
Learning from a dying patient. Carson J. Am J Nurs 71:333-4, Feb 71
On the question of prolonging life. Hershey N. Am J Nurs 71:521-2, Mar 71
"Don't give up on me". Hoffman E. Am J Nurs 71:60-2, Jan 71
The dying patient. When the focus must be changed. Baltzell WH. Arch Intern Med 127:106-9, Jan 71
The care and management of the dying. Noyes R Jr. Arch Intern Med 128:299-303, Aug 71
Analgesics in terminal disease. Saunders C, et al. Br Med J 3:245, 24 Jul 71
Coping with waiting: psychiatric intervention and study in the waiting room of a pediatric oncology clinic. Hoffman I, et al. Compr Psychiatry 12:67-81, Jan 71
Psychotherapy for the dying patient. Ross EK. Curr Psychiatr Ther 10:110-7, 1970
The cancer gestalt. Brennan MJ. Geriatrics 25:96-101, Oct 70
Decision-making in the death process of the ill aged. Miller MB. Geriatrics 26:105-16, May 71
Institutional care of the terminally ill. Cotter ZM. Hosp Progr 52:42-8, Jun 71
Management of the patient with terminal illness. Breed JE. Ill Med J 139:503-5 passim, May 71
Community dentistry's contributions to oral care of the aged and patients in terminal illness. Dummett CO. J Am Coll Dent 38:152-60, Jul 71
Death, grief, and the dental practitioner: thanatology as related to dentistry. Kutscher AH, et al. J Am Dent Assoc 81:1373-7, Dec 70
Quality of survival. II. The incurable patient. Wilson JP. J Med Assoc Ga 59:398-9, Oct 70
One hundred deaths in practice. A study of terminal care. Caldwell JR. J R Coll Gen Pract 21:460-8, Aug 71
Terminal care. Kyle D. J R Coll Gen Pract 21:382-6, Jul 71
A first glance at terminal care. Moore WR. J R Coll Gen Pract 21:387-92, Jul 71
Not strive officiously. Bancroft G. Lancet 2:977, 7 Nov 70
Right to die. Lancet 2:926, 31 Oct 70
A time to live and a time to die. Henry C. Nurs Times 67:1016-8, 19 Aug 71
The right to live or the right to die? Johnson AG. Nurs Times 67:573-4, 13 May 71
A study in terminal care. Yelverton T. Nurs Times 67:293-6, 11 Mar 71
Death as an event: a commentary on Robert Morison. Kass LR. Science 173:698-702, 20 Aug 71
Death: process or event? Morison RS. Science 173:694-8, 20 Aug 71
[Comment on the article by O. Dub: Dysthanasia the ultimate destiny of man] Blecha J. Cas Lek Cesk 109:1043-5, 23 Sep 70 (Cze)
[Deliberations on dysthanasia] Dub O. Cas Lek Cesk 109:1045, 23 Sep 70 (Cze)
[Reflections on incurably sick children] Bigonesse P. Laval Med 40:851-4, Sep 69 (Fre)
[The physician, the patient and suffering] Savary P. Laval Med 40:644-6, Sep 69 (Fre)
[The incurable patient and the after care unit] Graber H. Orv Hetil 111:3053, 20 Dec 70 (Hun)
[The physician and death] Magyar I. Orv Hetil 111:3011-4, 20 Dec 70 (Hun)
[Effects of glucocorticoid therapy on the agonal state in the aged] Saba GC, et al. G Clin Med 51:400-10, May 70 (Ita)
[Tell the truth to the patient?] Selvini A. Minerva Med 62:1985-90, 16 May 71 (Ita)
[Our experience in retrieving patients from terminal states] Gevorkian IKh, et al. Zh Eksp Klin Med 7:45-50, 1967 (Rus)
[Sentenced to not be allowed to die] Hösk B. Lakartidningen 67:6102-4, 23 Dec 70 (Swe)
[Our experience in therapy of children in the terminal stage] Verpakhovs'ka AM, et al. Pediatr Akush Ginekol 1:28, Jan-Feb 70 (Ukr)

TERNIDENS see under NEMATODA (B1)

TERPENES (D2)

Mass spectrometric identification of some prenylaminopurines. Hecht SM. Biochim Biophys Acta 213:269-72, 8 Aug 70
Allergic contact dermatitis from sesquiterpenoids of the Compositae family of plants. Mitchell JC, et al. Br J Dermatol 84:139-50, Feb 71
Allergic contact dermatitis caused by Artemisia and Chrysanthemum species. The role of sesquiterpene lactones. Mitchell JC, et al. J Invest Dermatol 56:98-101, Feb 71
Initiating activity of aromatic hydrocarbons in two-stage carcinogenesis. Van Duuren BL, et al. J Natl Cancer Inst 44:1167-73, May 70
Tumor inhibitors. LXII. The structures of acerotin and acerocin, novel triterpene ester aglycones from the tumor inhibitory saponins of Acer negundo. Kupchan SM, et al. J Org Chem 36:1972-6, 16 Jul 71
Dehydrogenation and dealkylation of various sterols by Tetrahymena pyriformis. Mallory FB, et al. Lipids 6:149-53, Mar 71
Odor incongruity and chirality. Friedman L, et al. Science 172:1044-6, 4 Jun 71
Odor differences between enantiomeric isomers. Russell GF, et al. Science 172:1043-4, 4 Jun 71
Eczema due to oil of turpentine. Pirilä V. Ther Umsch 27:509-14, Aug 70
[Amino alcohol ester derivatives of camphidine] Schenone P, et al. Boll Chim Farm 109:417-21, Jul 70 (Ita)
[Studies on sesquiterpenelactones. IV. Stereochemistry of sesquiterpenelactones of eudesmane type] Matsueda S, et al. J Pharm Soc Jap 91:59-63, Jan 71 (Jap)
[Methylcyclopentane monoterpenes] Jerzmanowski A. Postepy Biochem 17:75-89, 1971 (Pol)

ADMINISTRATION & DOSAGE

Preliminary safety studies with calcium elenolate, an antiviral agent. Elliott GA, et al. Antimicrob Agents Chemother 9:173-6, 1969
The effect of inhalation of citral and geraniol on the output and composition of respiratory tract fluid. Boyd EM, et al. Arch Int Pharmacodyn Ther 188:5-13, Nov 70
Inhibition of murine subcutaneous and intravenous benzo(rst)pentaphene. Carcinogenesis by sweet orange oils and d-limonene. Homburger F, et al. Oncology 25:1-10, 1971
[Treatment of keloids with madecassol per os] Basset A, et al. Bull Soc Fr Dermatol Syphiligr 77:826-7, 1970 (Fre)
[Topical vaginal therapy in the pre- and postoperative treatment of patients undergoing surgery of the uterine neck and vagina] Romano F. Minerva Ginecol 21:853-6, 15 Jul 69 (Ita)

ADVERSE EFFECTS

Increased incidence of encephalomalacia in the chick by dietary phytol. Pudelkiewicz WJ, et al. Poult Sci 49:1621-5, Nov 70
[Present problems of hypersensitivity to terebenthine] Foussereau J, et al. Bull Soc Fr Dermatol Syphiligr 77:415-8, 1970 (Fre)
[Contact allergy to asiaticoside. Preliminary note] Huriez C, et al. G Ital Dermatol 44:463-4, Sep 69 (Fre)
[Morphological studies on the hyperplasiogenic effect of the biologically active phorbol ester A1] Bach H, et al. Virchows Arch [Zellpathol] 8:196-205, 1971 (Ger)

ANALYSIS

The variations in the content of triterpenoids in the developing flowers of Calendula officinalis L. Kasprzyk Z, et al. Acta Biochim Pol 17:253-8, 1970
Volatile components of the cephalic marking secretion of male bumble bees. Kullenberg B, et al. Acta Chem Scand 24:1481-5, 1970
Constitutents of umbelliferous plants. 18. Terpenoids and coumarins of the root of Ligusticum seguieri Koch. Lemmich J, et al. Acta Chem Scand 25:344-6, 1970
20R,24 epsilon-2-ocotillone, a triterpenoid from commercial tolu balsam. Wahlberg I, et al. Acta Chem Scand 25:352-4, 1970
Valerianie, a tertiary monoterpene alkaloid from valerian (1). Franck B, et al. Angew Chem [Engl] 9:891, Nov 70
The characterization of undecaprenol of Lactobacillus plantarum. Gough DP, et al. Biochem J 118:167-70, Jun 70
Terpenoid alkaloids from Murraya koenigii Spreng. IV. Structure and synthesis of mahanimbinine. Kureel SP, et al. Experientia 26:1055, 15 Oct 70
A novel tetracyclic sesquiterpene from the oil of Orejuela of Cymbopetalum penduliflorum (Dunal). Teng LC, et al. Experientia 27:14-5, 15 Jan 71
The chemistry of some species of the lichen genus Diploschistes. Culberson CF, et al. Mycologia 63:422-6, Mar-Apr 71
Evidence for the difference between the odours of the optical isomers (4)- and (-)-carvone. Leitereg TJ, et al. Nature (Lond) 230:455-6, 16 Apr 71
Studies on the essential oil of the fruits of Coriandrum sativum L. by means of gas liquid chromatography. Studies on terpenes and related compounds. XI. Karlsen J, et al. Pharm Weekbl 106:293-300, 19 Mar 71
Absolute configuration of carboxyacetylquercinic acid, chemical correlation of carboxyacetylquercinic acid with lanosterol. Inouye H, et al. Z Naturforsch [B] 25:1194-5, Oct 70
[Chemotaxonomic study of Mentha arvensis L] Malingré TM. Pharm Weekbl 106:165-71, 19 Mar 71 (Dut)
[Steroidal alkaloids 98. Chemical constitution of the seeds of Holarrhena floribunda (G. Don) Dur. and Schiz: cycloartenol, nor-31 lanosterol, dehydro-24 lophenol, desmosterol and steroidal alkaloids: conessine, isoconessimine, conamine and conarrhimine] Conreur C, et al. Ann Pharm Fr 28:649-60, Nov 70 (Fre)
[Study of compound turpentine alcoholate called Floravanti alcoholate. Isolation and characterization of 3 main constituents] Rollet M, et al. Ann Pharm Fr 28:641-6, Nov 70 (Fre)
[Sterols and tetracyclic triterpenic alcohols of the fern Polypodium vulgare L.] Devys M, et al. C R Acad Sci [D] (Paris) 271:862-5, 7 Sep 70 (Fre)
[Microchemical analysis of isomenthone in volatile oil of "Geranium rosat"] Kapétanidis I, et al. Pharm Acta Helv 46:263-8, May 71 (Fre)
[Monoterpenoid Valeriana alkaloids] Gross D, et al. Arch Pharm (Weinheim) 304:19-27, Jan 71 (Ger)
[Experiences in the choice of packed dividing columns in gas chromatography of oxygen containing terpenes] Karlsen J, et al. Pharmazie 25:613-5, Oct 70 (Ger)
[Terpene hydrocarbons in Rumanian fennel oil] Rothbächer H, et al. Pharmazie 25:566-7, Sep 70 (Ger)
[Phytol in yellowed leaves] Csupor L. Planta Med 19:37-41, Oct 70 (Ger)
[Xanthorrhizol, a new sesquiterpene from Curcuma xanthorrhiza] Rimpler H, et al. Z Naturforsch [B] 25:995-8, Sep 70 (Ger)
[Studies on the constituents of Lyonia ovalifolia Drude var. elliptica Hand.-Mazz. XI. Structure of triterpenoid glucoside, lyofolic acid. 1] Yasue M, et al. J Pharm Soc Jap 90:1520-3, Dec 70 (Jap)
[Chemical study of essential oils of Biota orientalis Endl. and Cupressus sempervirns L. cultivated in Azerbaijan] Sakhatov E, et al. Farmatsiia 17:33-9, May-Jun 68 (Rus)

BIOSYNTHESIS

The characterization and stereochemistry of biosynthesis of dolichols in rat liver. Gough DP, et al. Biochem J 118:163-6, Jun 70

CHEMICAL SYNTHESIS

Terpenoid alkaloids from Murraya koenigii Spreng. IV. Structure and synthesis of mahanimbinine. Kureel SP, et al. Experientia 26:1055, 15 Oct 70
[New camphidine derivatives] Schenone P, et al. Boll Chim Farm 109:197-204, Mar 70 (Ita)

ISOLATION & PURIFICATION

The occurrence of (-)kaur-(16)en-(19)oic acid in Ichthyothere cunabi Mart. D'Albuquerque IL, et al. Ann Ist Super Sanita 5:557-8, 1969
Phytochemical investigation of Xanthium occidentale. Khafagy SM, et al. Planta Med 19:234-40, Feb 71
A new triterpenoid lactone, alpha-amyrin and uvaol from Helichrysum italicum. Menzetti T, et al. Planta Med 18:326-31, Aug 70
Pentacyclic triterpenoids from Euclea kellau. Orzalesi G, et al. Planta Med 19:30-6, Oct 70
The isolation of 31-norcycloiaudenone from Musa sapientum. Knapp FF, et al. Steroids 16:329-51, Sep 70
[Influence of the ecological conditions on the production of terpenes by Pelargonium x asperm Ehrh.ex Willd. 2. Identification and specific character of the studied hybrid] Kapétanidis I. Pharm Acta Helv 46:290-7, May 71 (Fre)
[Incidence of 2 further triterpene acids in the leaves of Rosmarinus officinalis L.] Brieskorn CH, et al. Pharmazie 25:488-90, Aug 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Sterines and triterpenes from Rhododendron ponticum] Keller S auf dem, et al.
Pharmazie 25:621-5, Oct 70 (Ger)
[9-hydroxy-delta-1(10)-aristolenon-(2) (debilon) from Nardostachys chinienisis] Rucker G.
Planta Med 19:16-8, Oct 70 (Ger)
[Constituents of wild Japanese valerian root. 1] Hikino H, et al. J Pharm Soc Jap 91:766-9, Jul 71 (Jap)
[Studies on sesquiterpenelactones. 3. Chemical constitution of mature plants of Artemisia sp] Matsueda S, et al.
J Pharm Soc Jap 90:1140-3, Sep 70 (Jap)
[Studies on the constituents of Lyonia ovalifolia Drude var. elliptica Hand.-Mazz. XII. Structure of ovalifolioside, a triterpenoid glycoside] Yasue M, et al. J Pharm Soc Jap 91:194-7, Feb 71 (Jap)
[Studies on the constituents of Lyonia ovalifolia Drude var. elliptica Hand-Mazz. 13. Structure of diterpenoid, lyoniol-A(lyoniatoxin). (2)] Yasue M, et al.
J Pharm Soc Jap 91:358-62, Mar 71 (Jap)

METABOLISM

Biosynthesis of glyceryl triphytanate in rabbit receiving a diet enriche with phytol. Sezille G, et al.
Clin Chim Acta 29:335-7, Aug 70
Biosynthesis of the peptidoglycan of bacterial cell walls. XXI. Isolation of free C55-isoprenoid alcohol and of lipid intermediates in peptidoglycan synthesis from Staphylococcus aureus. Higashi Y, et al.
J Biol Chem 245:3697-702, 25 Jul 70
The absorption and excretion of carbenoxolone in man. Downer HD, et al. J Pharm Pharmacol 22:479-87, Jul 70
[Microbial degradation of dehydroabietic acid] Biellmann JF, et al.
Bull Soc Chim Fr 5:1676-86, May 71 (Fre)

PHARMACODYNAMICS

In vitro antiviral activity of calcium elenolate. Renis HE. Antimicrob Agents Chemother 9:167-72, 1969
The effect of inhalation of citral and geraniol on the output and composition of respiratory tract fluid. Boyd EM, et al.
Arch Int Pharmacodyn Ther 183:5-13, Nov 70
Pheromone and terpene attraction in the bark beetle Ips typographus L. Rudinsky JA, et al.
Experientia 27:161-2, 15 Feb 71
Precocious sexual receptivity induced by a juvenile hormone analog in females of the yellow fever mosquito, Aedes aegypti. Gwadz RW, et al.
Gen Comp Endocrinol 16:47-51, Feb 71
12-carboxyeudesma-3,11(13)-diene. A novel sesquiterpenic acid with a narrow antifungal spectrum. Shtacher G, et al.
J Med Chem 13:1221-3, Nov 70
A cell culture system for the assessment of tumor-promoting activity. Sivak A, et al.
J Natl Cancer Inst 44:1091-7, May 70
Anti-acetylcholinesterase activity of some stereoisomeric aminobornanes. Beckett AH, et al.
J Pharm Pharmacol 23:528-33, Jul 71
Inhibition of the mold phase of Coccidioides immitis by beta-ionone and dimethoxane. Orr GF, et al.
Mycopathol Mycol Appl 42:145-51, 28 Dec 70
Effects of dietary phytol on tissue and plasma lipids in the rabbit. Biosynthesis of glyceryl-triphytanate in the heart. Sezille G, et al.
Rev Eur Etud Clin Biol 15:1122-7, Dec 70
[Experimental study of the pharmacodynamic effects of a camphosulfonic derivative of nicotinoyl dimethyl pyrazolone] La Barre J, et al.
Bull Acad R Med Belg 8:469-88, 1968 (Fre)
[Oleanolic acid, anaerobe growth factor of wine yeast] Bréchot P, et al.
C R Acad Sci [D] (Paris) 272:890-3, 8 Feb 71 (Fre)
[1st results of the study of ethylene diamine oxobornane sulfonate in virology] German A, et al.
Therapeutique 47:289-78, Mar 71 (Fre)
[Metabolism of glucuronic acid. 21. Effects of nucleic acids on activities of several enzymes associated with formation of glucuronide under administration of borneol in the Gunn rat] Tsuzuki S.
Folia Pharmacol Jap 66:511-29, 20 Sep 70 (Jap)
[Dissociation mechanism of adrenocortical hormones. Is dissociation possible? 2] Kumagai A, et al.
Jap J Clin Med 29:1260-6, 1971 (Jap)
[Effect of some triterpene glycosides on protein synthesis in tissue cultures of rat bone marrow] Anisimov MM, et al.
Izv Akad Nauk SSSR [Biol] 1:137-40, Jan-Feb 71 (Rus)

THERAPEUTIC USE

Antiviral activity of calcium elenolate on parainfluenza infection of hamsters. Soret MG.
Antimicrob Agents Chemother 9:160-6, 1969
Clinical evaluation of carbenoxolone in balanitis. Csonka GW, et al. Br J Vener Dis 47:179-81, Jun 71
Terpenes in the treatment of gallstones. Hordinsky BZ.
Minn Med 54:649-52, Aug 71
Treatment of chronic peptic ulcer. A critical appraisal. Piper DW. Minn Med 54:387-9, Jun 71
The use of bromocyclen for the control of the cat flea (Ctenocephalides felis). Butt KM.
Vet Rec 88:253-4, 6 Mar 71
[Madecassol-neomycine-hydrocortisone association in the treatment of ulcers of the leg] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 77:522-5, 1970 (Fre)
[On the importance of FH 107 in rhinosinusal and tubal diseases (apropos of 84 observations)] Pellegrini G, et al.
Rev Laryngol Otol Rhinol (Bord) 90:37-48, Jan-Feb 69 (Fre)
[Madecassol therapy of real decubital ulcers in cases of prolapse] Keçecioğlu Y.
Arch Gynaekol 211:334-5, 4 Jun 71 (Ger)
[Conservative therapy of the gastric and duodenal ulcer] Ottenjann R.
Dtsch Med Wochenschr 95:2441-2, 27 Nov 70 (Ger)
[Experience with sodium carbenoxolone] Kunz O.
Med Klin 66:822-5, May 71 (Ger)
[Treatment of florid gastroduodenal ulcers with Carbenoxolon before stomach resection] Lenz J, et al.
Med Klin 66:553-5, 9 Apr 71 (Ger)
[Limitations of surgical and possibilities of conservative therapy of peripheral arterial circulation disorders] Rech H.
Med Welt 33:1284-8, 21 Aug 71 (Ger)
[The ambulatory treatment of acute and chronic stomach diseases in general practice. Discussion on Carbenoxolon and Radix liquiritiae total extract preparations] Böhnke H.
Z Allgemeinmed 47:1173-4, 20 Aug 71 (Ger)
[Secretolysis through geiomyrtol] Kurz JF.
Z Allgemeinmed 46:1623-7, 20 Nov 70 (8 ref.) (Ger)

TOXICITY

Short-term toxicity of isobornyl acetate in rats. Gaunt IF, et al. Food Cosmet Toxicol 9:355-66, Jun 71
Toxaphene toxicity in protein-deficient rats. Boyd EM, et al. Toxicol Appl Pharmacol 18:158-67, Jan 71

URINE

Metabolism of beta-ionone. Isolation, characterization and identification of the metabolitesin the urine of rabbits. Ide H, et al. Biochem J 119:281-7, Sep 70
The effect of dexamethasone on the urinary excretion of steroids during pregnancy. Charles D, et al.
J Obstet Gynaecol Br Commonw 78:241-7, Mar 71

TERRAMYCIN see OXYTETRACYCLINE (D3)

TERRITORIALITY (F1)

The territorial instinct and its relevance to the occupational therapy process. Dunning H.
Am J Occup Ther 24:569-71, Nov-Dec 70
Territoriality and homosexuality in a male prison population. Roth LH.
Am J Orthopsychiatry 41:510-3, Apr 71
Body buffer zone and violence: a reassessment and confirmation. Hildreth AM, et al.
Am J Psychiatry 127:1641-5, Jun 71
Human territoriality and its cathexis. Sarwer-Foner GJ.
Dis Nerv Syst 31:Suppl:82-7, Nov 70 (69 ref.)
Effect of territory on frog-killing by rats. DeSisto MJ, et al. J Gen Psychol 83:179-84, Oct 70
Territoriality in the white rhinoceros (Ceratotherium simum) Burchell. Owen-Smith N.
Nature (Lond) 231:294-6, 4 Jun 71
Mammalian scent marking. Ralls K.
Science 171:443-9, 5 Feb 71
Territoriality and the establishment of dominance by means of visual cues in Pomacentrus jenkinsi (Pisces: Pomacentridae). Rasa OA.
Z Tierpsychol 26:825-45, Nov 69

TEST ANXIETY QUESTIONNAIRE see under PERSONALITY INVENTORY (E1, F3)

TEST ANXIETY SCALE see under PERSONALITY INVENTORY (E1, F3)

TESTICULAR DISEASES (C6)

Malacoplakic granuloma of the testis. Shaba JK, et al.
J Urol 105:687-91, May 71
Torsion of testicular appendages: presentation of 43 new cases and a collective review. Skoglund RW, et al.
J Urol 104:598-600, Oct 70
Testicular calcification in a 4-year-old boy. Priebe CJ Jr, et al. Pediatrics 46:785-8, Nov 70
[Infarct of the testis in the adult is a reality] Masson JC, et al. Lyon Chir 67:106-11, Mar-Apr 71 (Fre)
[Renal tuberculosis in childhood and adolescence] Suda J. Prax Pneumol 24:711-27, Nov 70 (Ger)
[Histologic and histochemical changes in the ischemic testicle] Brunetti A.
Fracastoro 62:485-93, Sep-Oct 69 (Ita)
[Epidermoid cyst of the testis: report of a case] Masuda F, et al. Acta Urol Jap 16:678-82, Nov 70 (Jap)
[Development and current possibilities of andrology] Hornstein OP.
Rev Clin Esp 115:489-96, 31 Dec 69 (40 ref.) (Spa)

CHEMICALLY INDUCED

Histochemical studies on calcification of the rat testis by lead acetate. Sharma SN, et al.
Acta Histochem (Jena) 38:1-6, 1970
Pituitary gonadotrophin activity in male rats with damage of the germinal epithelium induced by busulphan. Debeljuk L, et al.
J Reprod Fertil 26:247-50, Aug 71

COMPLICATIONS

[Epidermoid cyst in a retained testis] Martinazzi M, et al. Riv Anat Patol Oncol 33:187-92, 1968 (Ita)

CONGENITAL

[Infarction and torsion of the testicle in the newborn] Bret AJ. Rev Fr Gynecol Obstet 63:83-90, Mar 68 (Fre)

DIAGNOSIS

[Differential diagnosis: testicular neoplasms--idiopathic testicular infarct] Albrecht D, et al. Langenbecks Arch Chir 322:820-2, 1968 (Ger)
[Physical symptomatology of the testicle] Campioni N.
Policlinico [Prat] 78:335-40, 15 Apr 71 (Ita)
[Scrotal pain and swelling in small boys] Andersson L, et al. Lakartidningen 68:3305-12, 14 Jul 71 (Swe)

DRUG THERAPY

[Action of gonadotropins on the prepuberal testicle] Bergadá C, et al.
Rev Argent Endocrinol Metab 14:163-4, Sep 68 (Spa)

ETIOLOGY

Torsion of the testicle. Notley RG.
Br Med J 1:728, 27 Mar 71
Pineal inhibition of compensatory testicular enlargement in light-deprived hamsters. Reiter RJ.
Experientia 26:1153-4, 15 Oct 70
Infected infarcts of the testis: a study of 18 cases preceded by pyogenic epididymoorchitis. Hourihane DO. J Clin Pathol 23:868-75, Nov 70
Testicular and esophageal lesions in zinc-deficient rats and their reversibility. Diamond I, et al.
J Nutr 101:77-84, Jan 71
[Role of diabetes in the testicular insufficiency of idiopathic hemochromatosis] Gilbert-Dreyfus, et al.
Diabete 16:139-42, Apr-Jun 68 (Fre)
[Pain in the testes] Schirren C.
Hautarzt 21:388, Aug 70 (Ger)
[Cholesterol pachyvaginalitis] Croce G.
Arch De Vecchi Anat Patol 55:509-18, Oct 69 (Ita)

FAMILIAL & GENETIC

[Structure and karyotype in male gonadal pathology. (Review and personal contribution)] Frajese G, et al.
Folia Endocrinol (Roma) 23:46-59, Feb 70 (Ita)

METABOLISM

Acquired hyperstrogenism of testicular origin without evidence of neoplasia. Smith SR.
J Clin Endocrinol Metab 32:77-82, Jan 71

MICROBIOLOGY

[Infection with anaerobic staphylococcus. A case of testicular abscess] Caselitz FH, et al.
Z Med Mikrobiol Immunol 156:259-64, 1971 (Ger)

PATHOLOGY

Local graft-versus-host disease in the testis. Levine S, et al. Arch Pathol 91:107-12, Feb 71
Changes observed in the FSH and LH cells of the adenoypophysis of Presbytis entellus entellus following cadmium induced testicular necrosis. David GF, et al. Experientia 27:342-3, 15 Mar 71
Pulmonary alveolar microlithiasis with involvement of the sympathetic nervous system and gonads. Coetzee T. Therax 25:637-42, Sep 70
Tubular damage caused by local thermal injury or microembolization of the rat testis. Suoranta H. Virchows Arch [Zellpathol] 8:299-306, 1971
[Effect of gonadotropins on peritubular hyalinization in hypophysectomized patients] Pérez Lloret A, et al.
Rev Argent Endocrinol Metab 14:100-1, Sep 68 (Spa)

PHYSIOPATHOLOGY

Hyperleydigism: a cause of severe pubertal gynecomastia. Goldfine I, et al.
J Clin Endocrinol Metab 32:751-6, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SURGERY

The radical cure of hydrocoele of the tunica vaginalis. The technique of excision of the sac. Thambugala RL. Br J Surg 58:517-8, Jul 71

THERAPY

[Value of testicular biopsy in fertility disorders and adult hypogonadism] Clavadetscher P, et al. Schweiz Med Wochenschr 100:732-9, 25 Apr 70 (Ger)

VETERINARY

Clinico-pathologic conference. J Am Vet Med Assoc 158:780-8, 15 Mar 71
Some clinical aspects of hypo-orchidism (small testes) in the ram. Bruere AN. NZ Vet J 18:189-98, Sep 70 (56 ref.)
[Spontaneous amyloidosis of the mouse. II. Local senile amyloidosis of the testis] Zschiesche W, et al. Virchows Arch [Pathol Anat] 351:21-32, 1970 (Ger)
[Testicular tuberculosis. Aspects of testicular tuberculosis in bulls] Panetta JC. Hospital (Rio de J) 77:1019-34, Mar 70 (Por)

TESTICULAR FEMINIZATION (C6, C7)

The syndrome of testicular feminization. Southren AL. Adv Metab Disord 2:227-55, 1965 (57 ref.)
Incomplete testicular feminization. Winterborn MH, et al. Arch Dis Child 45:811-2, Dec 70
Testicular feminising syndrome. Verma IC, et al. Indian Pediatr 8:80-1, Feb 71
Testicular feminization syndrome. Laurian L, et al. Isr J Med Sci 7:668-73, May 71
Testicular feminisation syndrome. Vaidya P, et al. J Postgrad Med 16:197-204, Oct 70
Leydig-cell hyperplasia in testicular feminisation. Faulds JS, et al. Lancet 1:344-5, 13 Feb 71
[Testicular feminization syndrome] Annee Endocrinol 23:53-5, 1971 (Fre)
[Our experience with Morris' syndrome] Doria-Miglietta F, et al. Pathologica 59:477-83, Nov-Dec 67 (Ita)
[Morphology of the human testis and its relation to sexual differentiation and the feminizing testis] Grihó E. Rev Argent Endocrinol Metab 16:65-7, Jun 70 (Spa)
[Case of testicular feminization] Vieira Filho JP, et al. Rev Assoc Med Bras 16:121-6, Apr 70 (Spa)

BLOOD

Further studies on the pathophysiology of testicular feminization syndrome. Mauvais-Jarvis P, et al. J Clin Endocrinol Metab 32:568-71, Apr 71

COMPLICATIONS

Leydig-cell hyperplasia in testicular-feminization syndrome. Damjanov I, et al. Lancet 2:708, 25 Sep 71
[Gonophoric male pseudohermaphroditism with abdominal cryptorchism and cancer of the testis. A case of seminoma associated with a testicular feminization syndrome] Cornet L, et al. Chirurgie 97:64-73, 13 Feb 71 (Fre)
[17-alpha hydroxylase deficiency. A case accompanied by testicular feminization] Kondo T, et al. Saishin Igaku 25:2388-99, Nov 70 (Jap)

DIAGNOSIS

[Male pseudohermaphroditism. Endocrine, histological and cytogenetic study of 2 cases of feminizing testicle] Zárate A, et al. Rev Invest Clin 22:53-67, Jan-Mar 70 (Spa)
[Dermatoglyphic findings of palm and fingers in gonosomal anomalies and in testicular feminization] Sulíková Z, et al. Vnitr Lek 17:729-40, Aug 71 (Slo)

DRUG THERAPY

[Modifications of adrenal and gonadal steroids by the action of H. M. G. and P.M.S.G] Poggi UL, et al. Rev Argent Endocrinol Metab 14:167, Sep 68 (Spa)

ETIOLOGY

[On testicular steroidogenesis in feminized rats born from a mother treated with an antiandrogen (cyproterone acetate)] Bottiglioni F, et al. Ann Ostet Ginecol 91:379-99, Jun 69 (Ita)

FAMILIAL & GENETIC

Testosterone-"reguion" in the mouse kidney. Dofuku R, et al. Nature [New Biol] 232:5-7, 7 Jul 71
[Classical and incomplete forms of testicular feminization. Cytogenetic studies in 7 cases of this syndrome] Gardó S, et al. Orv Hetil 112:1023-8, 2 May 71 (Hun)
[Familial incidence of the Morris syndrome] Zanolo L. Attual Ostet Ginecol 15:109-19, Mar-Apr 69 (Ita)
[2 cases of familial testicular feminization] Oziębło L. Endokrynol Pol 22:155-62, 1971 (Pol)

METABOLISM

Metabolic studies in a patient with testicular feminization syndrome. Castañeda E, et al. Am J Obstet Gynecol 110:1002-7, 1 Aug 71
Case of feminizing interstitial cell tumor of the testicle. Clinical and biochemical evaluation. Ances IG, et al. J Clin Endocrinol Metab 33:452-8, Sep 71
Androgens and androgen responsiveness in the feminizing testis syndrome. Comparison of complete and "incomplete" forms. Rosenfield RL, et al. J Clin Endocrinol Metab 32:625-32, May 71
Studies of C19 16-unsaturated steroid excretion and formation in cases of testicular feminization. Bickneil DC, et al. J Endocrinol 49:i-ii, Mar 71
The metabolism of testosterone by skin in normal subjects and in testicular feminization. Jenkins JS, et al. J Endocrinol 49:515-20, Mar 71
Anabolic effect of dehydrotestosterone in testicular feminization syndrome. Hamilton CR Jr, et al. Metabolism 20:870-7, Sep 71
Effect of the androgen-insensitivity mutation on a cytoplasmic receptor for dihydrotestosterone. Gehring U, et al. Nature [New Biol] 232:106-7, 28 Jul 71

PATHOLOGY

Testicular feminization with immature Leydig cells--an ultrastructural demonstration. Damjanov I, et al. Am J Obstet Gynecol 110:594-6, 15 Jun 71
[Testicular feminization syndrome with pubic hair] Boczkowski K. Ginekol Pol 41:1375-84, 1970 (Pol)

PHYSIOPATHOLOGY

Further studies on the pathophysiology of testicular feminization syndrome. Mauvais-Jarvis P, et al. J Clin Endocrinol Metab 32:568-71, Apr 71
[Functional state of the thyroid gland in some congenital sexual development malformations] Veĭnberg EG, et al. Klin Med (Mosk) 48:89-93, Jul 70 (Rus)

SURGERY

[The adaptation of intersexes to sex change] Golubeva IV. Zh Nevropatol Psikhiatr 70:911-4, 1970 (Rus)

URINE

Testicular feminization--hormonal evaluation. Report of a case. Gabos P. Obstet Gynecol 36:713-8, Nov 70

VETERINARY

A request for sheep with testicular feminization. Bruere AN. NZ Vet J 18:173-4, Aug 70

TESTICULAR NEOPLASMS (C2)

Management of suspected testicular neoplasms. Skinner DG, et al. Am Fam Physician 3:92-6, Mar 71
Trophoblastic disease: natural history, diagnosis, and treatment. Li MC. Ann Intern Med 74:102-12, Jan 71 (74 ref.)
Seminoma metastasis to jaw simulating a primary growth. Garrett MJ. Br J Clin Pract 25:31-3, Jan 71
Malignant sertoli cell tumor of the testis. Talerman A. Cancer 28:446-55, Aug 71
Embryonal adenocarcinoma in the prepubertal testis. A clinicopathologic study of 18 cases. Young PG, et al. Cancer 26:1065-75, Nov 70
Secondary malignant tumour of the temporal bone. Baruah AK. J Laryngol Otol 84:1167-8, Nov 70
Developmental potentialities of clonal in vitro cultures of mouse testicular teratoma. Kahan BW, et al. J Natl Cancer Inst 44:1015-36, May 70
In vitro growth and differetiation of clonal populations of multipotential mouse cils derived from a transplantable testicular teratocarcinoma. Rosenthal MD, et al. J Nati Cancer Inst 44:1001-14, May 70
Testicular tumors in children. Johnson DE, et al. J Urol 104:940-3, Dec 70
Treatment of testicular tumors. Hendrick JW, et al. South Med J 64:873-81, Jul 71
The surgical management of testis tumors metastatic to the lung: a report of 10 cases with subsequent resection of from one to seven pulmonary metastases. Skinner DG, et al. Trans Am Assoc Genitourin Surg 62:183-91, 1970
[Embryonal carcinoma of the testis in an 11-month-old infant] Bobek V, et al. Rozhl Chir 50:43-5, Jan 71 (Cze)
[Malignant testicular tumors] Srámek F, et al. Rozhl Chir 49:451-6, Sep 70 (Cze)
[10 dead failures] Meer van der C. Ned Tijdschr Geneeskd 115:1365-7, 14 Aug 71 (Dut)
[Leydig-cell tumor of the testis (apropos of 2 recent cases)] Boccon-Gibod L, et al. Ann Urol (Paris) 4:187-93, Sep 70 (Fre)
[2 cases of testicular adenoma with Sertoli cells] Leger MH. Bord Med 4:1242-5, Apr 71 (Fre)
[Primary tumors of the adrenal cortex and gonads in children] Bernfeld J, et al. Cah Coll Med Hop Paris 10:429-44, May 69 (Fre)
[Does necrosis of a seminoma of the testis explain the apparently primary lymph node involvement?] Leger L, et al. Chirurgie 97:36-40, 13 Feb 71 (Fre)
[Endothoracic metastases of testicular cancer (98 cases)] Garreta L, et al. J Radiol Electrol Med Nucl 51:361-8, Jun-Jul 70 (Fre)
[4 cases of apparently primary testicular lympho-reticulosarcoma] Roussel J, et al. J Radiol Electrol Med Nucl 51:427, Jun-Jul 70 (Fre)
[Filarial tumor of the bursa] Ponthieu A, et al. J Urol Nephrol (Paris) 77:159-60, Jan-Feb 71 (Fre)
[Malignant tumors of gonads in children] Schweisguth O. Probl Actuels Endocrinol Nutr 13:85-110, 1969 (Fre)
[Testicular tumors in infancy and childhood. Clinical and morphological studies] Willnow U, et al. Helv Chir Acta 37:337-55, Jun 70 (Ger)
[Testicular neoplasms. Main pathologic-anatomical lecture] Eder M. Langenbecks Arch Chir 322:783-93, 1968 (Ger)
[Testicular neoplasms] Herzog W. Langenbecks Arch Chir 322:833-5, 1968 (Ger)
[Testicular neoplasms. Main surgical-urologic lecture] Sigel A. Langenbecks Arch Chir 322:800-11, 1968 (Ger)
[Prognosis, course and treatment of metastasizing testicular neoplasms] Brunner KW. Schweiz Med Wochenschr 100:1359-64, 1 Aug 70 (Ger)
[Testicular neoplasms] Schmiedt E. Wien Med Wochenschr 120:592-7, 5 Sep 70 (Ger)
[Reticulosarcoma of the testicle. Apropos of 2 personal cases] Mazzoli M. Arch Ital Patol Clin Tumori 12:23-40, Jan-Jun 69 (Ita)
[Fibromyoma of the epididymis] Ventura M. Minerva Urol 23:76-8, Mar-Apr 71 (Ita)
[Adenocarcinoma of the rete testis. Case report] Muraro GB, et al. Osp Ital Chir 22:133-40, Feb 70 (Ita)
[Primary and simultaneous bilateral neoplasms of the testicle] Musconi B, et al. Osp Ital Chir 20:281-91, Mar 69 (Ita)
[Adenomatoid tumor of epididymis. 2 personal cases] Nicolò G, et al. Pathologica 61:317-27, Sep-Oct 69 (Ita)
[Osseous metastases of neoplasms of the testis. (Clinico-radiological considerations)] Donati E. Radiobiol Radioter Fis Med 24:311-23, Sep-Oct 69 (Ita)
[Unusual case of an embryonal carcinoma of the testicle in the infantile age] Ciotola R, et al. Rass Int Clin Ter 50:1365-73, 15 Nov 70 (Ita)
[Extratesticular intrascrotal rhabdomyosarcomas] Fregola E. Rass Int Clin Ter 49:670-8, 15 Jun 69 (Ita)
[Primary reticulosarcoma of the testicle. Anatomical and clinical study] Lo Schiavo F, et al. Rass Int Clin Ter 51:103-11, 31 Jan 71 (Ita)
[Angioma of the testis (case report)] Dalla Pria AF, et al. Riv Anat Patol Oncol 33:839-56, 1968 (Ita)
[Radioisotope diagnosis of retroperitoneal metastases of malignant testicular neoplasms] Gorbadei NK, et al. Vopr Onkol 17:30-5, 1971 (Rus)
[Uncommon neck tumors] Yoel J, et al. Prensa Med Argent 58:717-9, 4 Jun 71 (Spa)

BLOOD

Hormonal changes in urine and plasma by hormone-producing testicular tumors before and after treatment. Lindenmeyer D, et al. Acta Endocrinol [Suppl] (Kbh) 152:26, 1971

CHEMICALLY INDUCED

Testicular choriocarcinoma in LSD users. Coincidence or cause? Levick LJ, et al. JAMA 217:475-6, 26 Jul 71

CLASSIFICATION

Tumours of the testes. Moghe KV, et al. Indian J Cancer 7:90-7, Jun 70
[Problems in the classification of testicular tumors (according to Collins and Pugh)] Payot M. Schweiz Med Wochenschr 101:149-55, 6 Feb 71 (Fre)
[Problems in the classification of testicular tumors with special reference to the classification by Collins & Pugh] Meienberg O. Virchows Arch [Pathol Anat] 353:10-26, 1971 (Ger)
[Proposal for a uniform stage classification of tumors of the male genitals according to the TNM-system] Wehnert J, et al. Z Urol Nephrol 63:804-10, Nov 70 (Ger)

COMPLICATIONS

Unusual presentation of seminoma of the testis. Evans CC, et al. Br J Surg 58:703-4, Sep 71
Precocity precox with unilateral interstitial cell tumor of testes. Agarwal D, et al. Indian Pediatr 8:82-3, Feb 71
Local androgenic effect of interstitial cell tumor of the testis. Gittes RF, et al. J Urol 104:774-7, Nov 70
Leydig-cell hyperplasia in testicular-feminisation syndrome. Damjanov I, et al. Lancet 2:708, 25 Sep 71
[Gynecomastia indicative of an unsuspected testicular tumor (1 case of seminoma--1 case of Leydig cell

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tumor)] Jouin-Caurier D, et al.
Ann Endocrinol (Paris) 29:385-94, May-Jun 68 (Fre)
[Gonophoric male pseudohermaphroditism with abdominal cryptorchism and cancer of the testis. A case of seminoma associated with a testicular feminization syndrome] Cornet L, et al.
Chirurgie 97:64-73, 13 Feb 71 (Fre)
[Gonophoric male pseudo-hermaphroditism with abdominal cryptorchism and cancer of the testis] Cornet L, et al. J Chir (Paris) 101:415-22, Apr 71 (Fre)
[Dysgenetic gonad cancer] Teter J.
Probl Actuels Endocrinol Nutr 13:69-83, 1969 (Fre)
[Case of acute leukemia with testicular infiltration during abatement stage] Otsuki C, et al.
Acta Paediatr Jap 74:785-90, Sep 70 (Jap)
[Leydigoma developing in an undescended testicle in true hermaphroditism] Likhachev IuP.
Arkh Patol 32:72-3, 1970 (Rus)

DIAGNOSIS

Prognosis, malignancy, and curability of the germ-cell tumor occurring in dysgenetic gonads. Teter J. Am J Obstet Gynecol 108:894-900, 15 Nov 70
Lymphoma of the testis. Kiely JM, et al.
Cancer 26:847-52, Oct 70
The scrotal mass in young men. A diagnostic dilemma. Markland C. Minn Med 5:515-8, Jul 71
In search of a cancer. Rudnick P, et al.
N Engl J Med 284:405-8, 25 Feb 71
[Differential diagnosis: testicular neoplasms--idiopathic testicular infarct] Albrecht D, et al. Langenbecks Arch Chir 322:820-2, 1968 (Ger)
[Prognosis and early diagnosis of testicular neoplasm metastases] Engelking R, et al.
Langenbecks Arch Chir 322:828-31, 1968 (Ger)
[Metastasis of malignant testicular tumors] Schrader CP, et al. Med Welt 7:245-8, 13 Feb 71 (Ger)
[The value of determination of chorionic gonadotropin in testicular tumors] Burchardt P, et al.
Urologe 9:285-7, Sep 70 (Ger)
[Tumors and neoplasms of the epididymis and vas deferens] Bibus B, et al.
Z Urol Nephrol 62:529-34, 1969 (Ger)
[Chorioepithelioma in males] Vleritz HD.
Zentralbl Chir 95:263-8, 21 Feb 70 (Ger)
[Embryonal carcinoma of the testis in a 18-month-old infant. (Importance of intra-testicular lymphography)] Sorrentino F.
Arch Ital Urol Nefrol 42:77-87, 1969 (Ita)
[Cytological diagnosis of primary testicular neoplasms] Koriakina RF, et al.
Urol Nefrol (Mosk) 35:43-7, Nov-Dec 70 (Rus)
[Seminoma of the epididymis] Goznyĭ AD.
Vopr Onkol 16:88-90, 1970 (Rus)

DRUG THERAPY

Mithramycin therapy in advanced testicular neoplasms. Kennedy BJ. Cancer 26:755-66, Oct 70
Chemotherapy of urologic neoplasms. Koven BJ. J Med Soc NJ 67:617-20, Oct 70
Production and treatment of testicular teratocarcinoma induced by genital ridge transplantation. Javadpour N, et al.
J Urol 105:534-9, Apr 71
[Olivomycin in the therapy of malignant testicular tumors] Astrakhan VI, et al.
Antibiotiki 15:837-40, Sep 70 (Rus)

ETIOLOGY

A brenner tumor of the testis. Goldman RL.
Cancer 26:853-6, Oct 70
Environmental influence on experimental teratocarcinogenesis in testes of mice. Stevens LC.
J Exp Zool 174:407-14, Aug 70
Testicular tumor 18 years following orchiopexy: case report. Jaffar DJ, et al. J Urol 104:878-9, Dec 70
The early natural history of murine germinal testicular tumors. Mount BM, et al. J Urol 105:812-6, Jun 71
Regenerative growth of the vas deferens resembling a low-grade carcinoma. Report of a case. Grüner OP. Scand J Urol Nephrol 4:83-5, 1970
[Testicular sarcoma as the consequence of a gunshot wound] Rili A. Lijec Vjesn 92:479-82, 1970 (Cro)

FAMILIAL & GENETIC

Chromosomes in human testicular tumours. Martineau M. J Pathol 99:271-82, Dec 69
[Testicular tumors in 2 brothers with practically simultaneous occurrence of malignant growth] Nordholt AE.
Ned Tijdschr Geneeskd 115:1046-9, 12 Jun 71 (Dut)
[Cytogenetic analysis of human teratoid testicular tumors] Lelikova GP, et al.
Vopr Onkol 16:32-8, 1970 (Rus)

IMMUNOLOGY

The occurrence of a serum fetal alpha-1 protein in developing mice and murine hepatomas and teratomas. Kahan B, et al. Cancer Res 31:930-6, Jul 71
Demonstration of cell-mediated immunity to human neoplasms of various histological types. Hellström I, et al. Int J Cancer 7:1-16, 15 Jan 71

METABOLISM

Testosterone, oestrogens, progesterone, and gonadotrophin levels in patients with various testicular tumours. Lindenmeyer D, et al.
Acta Endocrinol [Suppl] (Kbh) 155:66, 1971
Metabolism of nucleic acids in the bone marrow of rats bearing tumour tissue of testicular origin. Ruiz F, et al. Growth 35:91-6, Mar 71
Testicular tumors in the androgen insensitive pseudohermaphrodite rat: histochemistry and steroid metabolism. Vanha-Perttula T, et al.
Gynecol Invest 1:149-60, 1970
The reaction of nucleoproteins with guanidine hydrochloride in the organs of normal and Brown-Pearce tumour-bearing rabbits. Zsindely A, et al. Neoplasma 18:105-11, 1971
[Dynamics of chorionic gonadotropin excretion in patients with testicular neoplasms] Shipilov VI, et al.
Urol Nefrol (Mosk) 35:47-51, Nov-Dec 70 (Rus)

MORTALITY

[Prognosis of testicular tumors. Clinico-anatomical review of 100 cases classified by the Collins and Pugh method] Cornu P.
Schweiz Med Wochenschr 101:422-8, 27 Mar 71 (Fre)
[Testicular neoplasms in the federal army with fatal outcome] Altwein JE, et al.
Med Monatsschr 24:489-93, Nov 70 (Ger)

OCCURRENCE

Testicular neoplasms. (A review of 75 cases based on a new British classification). Pratap VK, et al.
Indian J Cancer 8:40-53, Mar 71
[Testicular tumors observed in a German army] Mairose UB, et al.
Bull Cancer (Paris) 58:103-14, Jan-Mar 71 (Fre)

PATHOLOGY

Paratesticular rhabdomyosarcoma. A clinicopathologic study of seven cases. Rosas-Uribe A, et al.
Am J Surg 120:787-91, Dec 70
The adenomatoid tumor: fine structural evidence for a mesothelial origin. Mackay B, et al.
Cancer 27:109-15, Jan 71
Fibrosarcoma of the tunica vaginalis (a case report). Mankodi RC, et al. Indian J Cancer 7:330-2, Dec 70
Histological features of testicular tumours. Moghe KV, et al. Indian J Cancer 7:96-109, Jun 70
Extragonadal testicular tumors. Utz DC, et al.
J Urol 105:271-4, Feb 71
Reaction of the bone marrow in malignant tumours of the kidney and testis. Jakoubková J, et al.
Neoplasma 17:427-31, 1970
Extragonadal testicular tumors. Utz DC, et al.
Trans Am Assoc Genitourin Surg 62:179-82, 1970
[Testicular malacoplakia] Lagacé R.
Laval Med 40:276, Mar 69 (Fre)
[Bilateral malignant testicular tumors. DNA distribution in a case of pseudoseminoma] Ehlers G, et al. Hautarzt 22:25-30, Jan 71 (Ger)
[Pathology and therapy of testicular tumors in children] Willnow U, et al.
Z Urol Nephrol 63:827-39, Nov 70 (Ger)
[The "adenomatoid tumor" of the epididymis (on an unusual bioptic case)] Balletta V, et al.
Arch De Vecchi Anat Patol 54:795-804, Apr 69 (Ita)
[Pathological and clinical aspects of tumors of the epididymis with leiomuscular structure] Croce G, et al. Arch De Vecchi Anat Patol 55:399-412, Oct 69 (Ita)
[Papillary cystadenoma of the epididimis] Dalforno S, et al. Cancro 22:157-63, 1969 (Ita)
[The so-called adenomatoid tumor of the epididymis (4 case reports and review of the literature)] Badini A, et al. Riv Anat Patol Oncol 33:231-50, 1968 (Ita)
[Malignant choriocarcinoma of the testis--an autopsy case] Fujita K, et al.
Jap J Cancer Clin 16:1117-21, Nov 70 (Jap)
[Autopsy case of reticulosarcoma found in phyma of the right testicle] Uriubara T.
Jap J Clin Pathol 18:805, Nov 70 (Jap)
[Orchioblastoma] Bialik VL, et al.
Arkh Patol 33:80-2, 1971 (Rus)
[Leydig cell tumor with metastases in liver and spine] Shemiakin OS. Arkh Patol 33:77-80, 1971 (Rus)

PHYSIOPATHOLOGY

Adrenal influence on the metastases of 256 Walker carcinosarcoma intratesticulary grafts. Zimel H, et al.
Neoplasma 17:349-54, 1970
[Endocrine function of testicular neoplasms] Karl HJ.
Langenbecks Arch Chir 322:794-800, 1968 (Ger)

RADIOGRAPHY

Teratomas in infants and children. Partlow WF, et al.
Am J Roentgenol Radium Ther Nucl Med 112:155-66, May 71
[Radiography of a testicular tumor, microcalcifications and malignant lesions] Juillard G, et al.
Bull Cancer (Paris) 56:489-92, Oct-Dec 69 (Fre)
[Testicular cancer discovered by lymphography (an evocative radiologic aspect)] Larra F, et al.
J Radiol Electrol Med Nucl 50:244-8, Mar-Apr 69 (Fre)
[Value of lymphography in the diagnosis of retroperitoneal metastases in malignant testicular neoplasms] Körner F, et al.
Langenbecks Arch Chir 322:822-5, 1968 (Ger)
[The place of lymphography in the diagnosis and therapy of malignant testicular tumors] Trinckauf HH, et al. Z Urol Nephrol 63:815-25, Nov 70 (Ger)
[Lymphographic observations in neoplasms of the testicle] Canino V, et al. Cancro 21:628-44, 1968 (Ita)
[Lymphographic findings in testicular tumors] Castañeda Pérez F, et al.
Rev Inst Nacl Cancerol (Mex) 22:691-8, Aug 70 (Spa)

RADIOTHERAPY

Results in treatment of pure seminoma of the testis. Castro JR, et al.
Am J Roentgenol Radium Ther Nucl Med 111:355-9, Feb 71
Radiotherapy for patients with tumours of the testicle. Smithers D, et al. Br J Urol 43:83-92, Feb 71
Spread of testicular tumours. Werf-Messing B van der.
Clin Radiol 22:125-32, Jan 71
Radiation therapy for the embryonal carcinoma of testis in childhood. Matsumoto K, et al.
J Urol 104:778-80, Nov 70
[New method of irradiation of complex regional volumes: acquired experience and perspective] Abbatucci JS, et al.
J Radiol Electrol Med Nucl 50:907-10, Dec 69 (Fre)
[Testicular neoplasms. Main radiologic lecture] Kuttig H. Langenbecks Arch Chir 322:811-9, 1968 (Ger)
[Radiotherapy of malignant testicular neoplasms] Franke H.
Munch Med Wochenschr 112:2299-300, 11 Dec 70 (Ger)
[Follow-up studies of the urinary tracts in patients with testicular tumors after conventional and telecobalt radiation therapy] Taubert W, et al.
Radiobiol Radiother (Berl) 11:601-9, 1970 (Ger)
[Genesis of the necrosis of renal papillae] Taubert W, et al. Radiobiol Radiother (Berl) 11:381-5, 1970 (Ger)
[Dose distribution in the kidneys and efferent urinary tracts in patients with testicular tumors after conventional and telecobalt irradiation] Tietze D, et al. Radiobiol Radiother (Berl) 11:597-600, 1970 (Ger)
[Germinal testicular neoplasms] Schaudig G, et al.
Strahlentherapie 141:495-507, May 71 (Ger)
[Unusual course in 2 seminoma patients] Prager W, et al. Z Urol Nephrol 63:693-5, Sep 70 (Ger)
[Results of x-ray therapy of malignant tumors of the testicles] Kukolewska-Machnicka J, et al.
Pol Przegl Chir 43:Suppl 2a:337+, Feb 71 (Pol)

SURGERY

Surgical treatment of pulmonary metastases from testicular tumours. Rees GM, et al.
Br Med J 3:467-70, Aug 71
Etiology of infertility after retroperitoneal lymphadenectomy. Kom C, et al.
J Urol 105:528-30, Apr 71
The surgical management of testis tumors. Skinner DG, et al. J Urol 106:84-93, Jul 71
The surgical management of testis tumors metastatic to the lung: a report of 10 cases with subsequent resection of from one to seven pulmonary metastases. Skinner DG, et al. J Urol 105:275-82, Feb 71
Retroperitoneal lymphadenectomy for testicular tumors. Walsh PC, et al. JAMA 217:309-12, 19 Jul 71
Urological aspects of chylous ascites. Case report. Ross G Jr, et al. Mo Med 68:312-3 passim, May 71
Orchiectomy for trophoblastic tumors. Bornstein RS, et al. N Engl J Med 285:293-4, 29 Jul 71
[Indication and technic of retroperitoneal lymph node excision in malignant testicular neoplasms] Albrecht KF. Langenbecks Arch Chir 322:825-8, 1968 (Ger)
[Uterus in a hernial sac of a male with ectopic testicular seminoma] Reznitskiĭ MI, et al.
Vestn Khir 105:125-7, Sep 70 (Rus)

THERAPY

Testicular tumors in infants and children: report of 5 cases and evaluation of different modes of therapy. McCullough DL, et al. J Urol 105:140-8, Jan 71
Experiences with the treatment of malignant tumours of the testis. Durkovský J, et al.
Neoplasma 18:113-22, 1971
[Testicular neoplasms] Uldrich J.
Rozhl Chir 50:240-2, 1971 (Cze)
[Tumoral testicular infiltration in acute leukemia in complete medullary and hematologic remission: 2 cases] Drolet Y, et al.
Union Med Can 99:1844-7, Oct 70 (Fre)
[Importance of lymphography in the treatment of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

testicular neoplasms] Hintzen C, et al.
Chirurg 42:321-6, Jul 71 (Ger)
[Transperitoneal lymph node excision and cytostatic postoperative treatment of malignant germinal testicular neoplasms] Gödde S, et al.
Langenbecks Arch Chir 322:831-3, 1968 (Ger)
[Therapy and prognosis in testicular tumors] Vahlensieck W. Med Welt 21:1761-8, 10 Oct 70 (Ger)
[Combined radiological and cytostatic therapy of testicular tumors] Stoll W, et al.
Radiobiol Radiother (Berl) 11:591-5, 1970 (Ger)
[Therapy of testicular tumors and prostatic carcinoma]
Minerva Med 62:1490-1, 7 Apr 71 (Ita)

URINE

Hormonal changes in urine and plasma by hormone-producing testicular tumors before and after treatment. Lindenmeyer D, et al.
Acta Endocrinol [Suppl] (Kbh) 152:26, 1971

VETERINARY

The radiologic diagnosis of a testicular neoplasms in a dog. Hall E. J Am Vet Med Assoc 157:1238-40, 1 Nov 70

TESTICULAR TORSION see SPERMATIC CORD

TORSION (C6)

TESTIS (A5, A6)

see also related
CASTRATION (E4)

The effect of copper and other metals on spermatogenesis in rats. Zbuzkova V, et al.
Acta Endocrinol (Kbh) 66:379-84, Feb 71
Changes in deoxyribonucleoprotein during spermiogenesis in the bull. Sensitivity of DNA to heat denaturation. Ringertz NR, et al.
Exp Cell Res 62:204-18, Sep 70
Scrotal and testicular temperature: its relation to sperm count before and after operation for varicocele. Agger P. Fertil Steril 22:288-97, May 71
Testicular calcification in a 4-year-old boy. Priebe CJ Jr, et al. Pediatrics 46:785-8, Nov 70
An acceptable gonadal shield. Brown RF, et al.
Radiology 99:265-9, May 71
The development of trypanosomes, leishmaniae and ascitic tumour cells in the testicles of laboratory animals. Heisch RB, et al.
Trans R Soc Trop Med Hyg 64:679-82, 1970
[Culture of male germinal cells: methods and applications] Dutrillaux B.
Ann Genet (Paris) 14:157-9, Jun 71 (Fre)
[Studies on the effect of testicular extract on live-weight increase in calves] Rebreanu L, et al.
Monatsh Vet Med 25:542-3, 15 Jul 70 (Ger)
[Value of testicular biopsy in fertility disorders and adult hypogonadism] Clavadetscher P, et al.
Schweiz Med Wochenschr 100:732-9, 25 Apr 70 (Ger)
[Preliminary Italian findings on the dynamics of testicular development. Findings in boys of Carrara aged 10 to 13 years] Barghini G.
Ann Sanita Pubblica 31:487-97, Jul-Aug 70 (Ita)
[Spermatogenesis in vitro in testicular tubules of Macaca] Rabino Massa E, et al.
Boll Soc Ital Biol Sper 46:873-6, 15 Nov 70 (Ita)
[Effects of lymphatic obstruction in rabbit testis: a histochemical study on interstitial tissue] Nakajima T. Acta Anat Nippon 45:225-33, Oct 70 (Jap)
[Role of the sex glands in the development of experimental arteriosclerosis in alloxan diabetes] Sharkevich IN.
Probl Endokrinol (Mosk) 16:96-101, May-Jun 70 (Rus)

ABNORMALITIES

Transposition of the penis and testis. Ghoneim MA, et al. Br J Urol 43:340-2, Jun 71
HCG stimulation test in prepubertal boys with cryptorchidism, in bilateral anorchia and in male pseudohermaphroditism. Rivarola MA, et al.
J Clin Endocrinol Metab 31:526-30, Nov 70
Monotropic increase of serum FSH correlated with low sperm count in young men with idiopathic oligospermia and aspermia. Rosen SW, et al.
J Clin Endocrinol Metab 32:410-6, Mar 71
Variations and developmental abnormalities in the sexual apparatus of the adult axoloti (Siredon mexicanum). Brunst VV. J Morphol 133:457-93, Apr 71
A familial syndrome of short stature associated with facial dysplasia and genital anomalies. Aarskog D. J Pediatr 77:856-61, Nov 70
Bilateral anorchia with sickle-C disease. Boyar RM, et al. J Pediatr 78:369-70, Feb 71
Anorchism: definition of a clinical entity. Glenn JF, et al. J Urol 105:265-70, Feb 71
[Some problems of positional anomalies of testicles] Fargašová I, et al. Cesk Pediatr 26:274-7, Jun 71 (Cze)
[Essential testicle hypotrophy, confluent sebaceous adenomatosis of the face, caryotype 46,XY-46,XYpi-47,XYpiYpi] Vague J, et al.
Ann Endocrinol (Paris) 31:1183-92, Nov-Dec 70 (Fre)
[Hyperplasia of the interstitial tissue of the embryonal testis after ingestion of hormonal products by the mother] Lewin D, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:414-5, Nov-Dec 68 (Fre)
[Germinal cell aplasia in Erythrodermia ichthyosiformis congenita] Schmidt HW.
Arch Dermatol Forsch 240:419-26, 1971 (Ger)
[The lien caudatus from the surgical and pathologic-anatomical viewpoint] Bindernagel G, et al. Bruns Beitr Klin Chir 218:555-68, Mar 71 (Ger)
[Indication error in the surgical management of an inguinal hernia associated with ectopic testis in infancy and early childhood] Bauer U, et al.
Chirurg 42:333-4, Jul 71 (Ger)
[Transversal ectopic testis. An unusual abnormal position of the testis] Senge T, et al.
Z Urol Nephrol 63:391-4, May 70 (Ger)
[Chromatographic analysis of urinary neutral 17-ketosteroids. Observations in various morbid states] Ferramosca B.
Arch E Maragliano Patol Clin 26:219-37, Jul-Aug 70 (Ita)
[Ectopia testis] Holta AL.
Tidsskr Nor Laegeforen 91:1443-4, 10 Jul 71 (Nor)
[Retentio testis] Tveter KJ.
Tidsskr Nor Laegeforen 91:1437-43, 10 Jul 71 (Nor)
[Surgical approach in ectopic testicles] Galeano F, et al.
Prensa Med Argent 56:1608-11, 17 Oct 69 (Spa)

ANALYSIS

Determination of delta 16-steroids in boars. Claus R, et al. Acta Endocrinol [Suppl] (Kbh) 155:70, 1971
Testicular dehydrogenases in toads after malonate treatment. Dey SK, et al.
Acta Histochem (Jena) 39:252-6, 1971
Distribution of labelled 5alpha-dihydrotestosterone in mice. Appelgren LE.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:33, 1970
Ascorbic acid and delta-5-3-beta-hydroxysteroid dehydrogenase in toad testis after carbon tetrachloride intoxication. Biswas NM, et al.
Anat Anz 128:101-4, 1971
The isolation and identification of androstenediol sulfate from spermatic vein blood and testes of the boar. Raeside JI, et al. Can J Biochem 49:80-4, Jan 71
Biogenic amine concentration in testes of rats at different ages. Zieher LM, et al.
Endocrinology 88:351-4, Feb 71
The distribution of inorganic cations in mouse testis. Electron microscope and microprobe analysis. Kierszenbaum AL, et al. J Cell Biol 48:314-23, Feb 71
Hydrotestosterone in testicular tissue, and its androgenic potency in vivo. Jeffcoate WJ, et al.
J Endocrinol 48:199-204, Oct 70
Concentration of free and esterified cholesterol in the testes of immature and adult mice. Bartke A.
J Reprod Fertil 25:153-6, Apr 71
The occurrence of some C19 steroids and vitamin A in boar testis. Booth WD. J Reprod Fertil 23:533-4, Dec 70
Examination of bull semen and of the bull and rabbit testis for the presence of creatine phosphate and arginine phosphate. Brooks DE.
J Reprod Fertil 26:275-8, Aug 71
The effect of local heating on the flow and composition of rete testis fluid in the conscious ram. Setchell BP, et al. J Reprod Fertil 24:81-9, Jan 71
Oxygen cathode measurements in the mouse testis. Baker DJ, et al. Phys Med Biol 15:263-70, Apr 70
[Presence of testosterone and androstenedione in the testis and plasma of newborn guinea pig] Berger M, et al. C R Acad Sci [D] (Paris) 272:1141-4, 22 Feb 71 (Fre)
[Neonatal evolution of testicular androgens in guinea pigs] Berger M, et al.
J Physiol (Paris) 63:9A-10A, Mar-Apr 71 (Fre)
[On testicular steroidogenesis in feminized rats born from a mother treated with an antiandrogen (cyproterone acetate)] Bottiglioni F, et al.
Ann Ostet Ginecol 91:379-99, Jun 69 (Ita)

ANATOMY & HISTOLOGY

Histochemical changes in the testes of heat-exposed toad. Biswas NM.
Acta Histochem (Jena) 37:363-8, 1970
A modified technique used for the clinical evaluation of testicular size in the bull. Osman AM.
Acta Vet Acad Sci Hung 20:149-54, 1970
Effect of radiation on the reproductive system in the Indian catfish, Heteropneustes fossilis Bloch. II. Histological study of the testis. Srivastava PN, et al.
Arch Biol (Liege) 80:327-35, 1969
The total length of tubules in the human testis. Lennox B, et al. J Anat 107:191, Jul 70
Weight changes in different organs of the mouse at two levels of reduced atmospheric pressure. Clegg EJ.
J Appl Physiol 30:764-7, May 71
A method for determining the relative total length of the tubules in the testis. Lennox B, et al.
J Pathol 102:229-38, Dec 70
Correlative cyclical changes in the pituitary gland and the testis of a catfish, Clarias batrachus (Linn.). Lehri GK. Mikroskopie 26:50-6, Jun 70
Weights of testes, thymi, and accessory reproductive glands in relation to rank in paired and grouped house mice (Mus musculus). Lloyd JA.
Proc Soc Exp Biol Med 137:19-22, May 71
[Histological study of the testis in the amphipodous crustacean, Talorchestia deshayesei (Audouin)] Carré-Lécuyer MC.
C R Soc Biol (Paris) 164:512-6, 1970 (Fre)
[Relation between histometric data and testicular weight during the seasonal cycle in the golden hamster] Vendrely E, et al.
C R Soc Biol (Paris) 164:1442-8, 1970 (Fre)
[Lymphology and endocrine glands. 6. The gonads] Arvy L.
Presse Med 79:1423-4 passim, 23 Jun 71 (113 ref.) (Fre)
[Lymphology and endocrine glands. 6. The gonad] Arvy L. Presse Med 79:1193-200, 26 May 71 (Fre)
[Differences between the testicular morphology of Fasciola hepatica and Fasciola gigantica] Bergeon P, et al. Rev Elev Med Vet Pays Trop 23:223-7, 1970 (Fre)
[Fertility parameter for young bulls] Bach S, et al.
Monatsh Vet Med 25:92-4, 1 Feb 70 (Ger)
[The normal testicular volume in Israeli children and adolescents] Zilka E, et al.
Harefuah 77:511-3, 1 Dec 69 (Heb)

BLOOD SUPPLY

Age and the testis after resection of the spermatic cord in the repair of inguinal hernia. Heifetz CJ.
Am J Surg 121:634-6, Jun 71
An angiographic study of the arterial pattern of the human testis. Kormano M, et al.
Anat Anz 128:69-76, 1971
Anomalous course of the testicular artery in the rat. Kormano M. Anat Anz 126:505-7, 1970
Microvascular organization of the adult human testis. Kormano M, et al. Anat Rec 170:31-9, May 71
Effects of serotonin and angiotensin on testicular blood vessels in the rat. Kormano M.
Angiologica 7:291-5, 1970
Variation between species in the innervation of intra-testicular blood vessels. Dayan AD.
Experientia 26:1359-60, 15 Dec 70
Plasma cortisol in the left spermatic vein in patients with varicocele. Agger P. Fertil Steril 22:270-4, Apr 71
The effect of x-rays on the vascularization of the mouse testis. Kochar NK, et al. Fertil Steril 22:53-7, Jan 71
Effect of ACTH on gonadal blood flow in the golden hamster and the rat. Varga B, et al.
Gen Comp Endocrinol 13:468-73, Dec 69
Infected infarcts of the testis: a study of 18 cases preceded by pyogenic epididymoorchitis. Hourihane DO. J Clin Pathol 23:668-75, Nov 70
Changes in the small blood vessels of the adult human testis in relation to age and to some pathological conditions. Suoranta H.
Virchows Arch [Pathol Anat] 352:165-81, 1971
Prenatal development of the testicular artery in the rat. Kormano M, et al.
Z Anat Entwicklungsgesch 134:73-80, 1971
Postnatal development of the vascular supply of the human testis. Suoranta H.
Z Anat Entwicklungsgesch 133:184-92, 1971
Morphological studies on the peripheral circulation of the genital organs in buffaloes with special reference to spontaneous arteriosclerosis in animals. el-Etreby MF. Zentralbl Veterinaermed [A] 16:865-93, Dec 69
[The capillaries of the testicular parenchyma] Hundeiker M.
Arch Klin Exp Dermatol 239:426-35, 1971 (Ger)
[Submicroscopic relation between capillary endothelium and some parenchymal elements] Castrogiovanni L, et al.
Boll Soc Ital Biol Sper 46:491-4, 15 May 70 (Ita)
[3 cases of testicular infarction] Mizumoto R, et al.
Acta Urol Jap 17:206-13, Mar 71 (Jap)
[Wall structure of the normal testicular vein and in varicocele] Szypura E, et al.
Folia Morphol (Warsz) 30:223-32, 1971 (Pol)
[Revascularization of the testicle in the treatment of adenoma of the prostate and pathological climacteric in men (pre- liminary report)] Verkhratskiĭ SA, et al.
Klin Khir 7:19-22, Jul 70 (Rus)

CYTOLOGY

The spermatogonial stem cell population in adult rats. I. Their morphology, proliferation and maturation. Huckins C. Anat Rec 169:533-57, Mar 71
[Study of meiotic chromosomes in a caseof Klinefelter'sdisease with spermatogenesis and 46,XY-47,XXY karyotype] Luciani JM, et al.
Ann Genet (Paris) 13:249-53, Dec 70
On Sertoli cell number and distribution in rat testis. Bustos-Obregon E. Arch Biol (Liege) 81:99-108, 1970
Chromatid structure: relationship between DNA content and nucleotide sequence diversity. Laird CD.
Chromosoma 32:378-406, 16 Mar 71
The development of the interstitial tissue of the human testis. Hayashi H, et al. Fertil Steril 22:351-5, Jun 71
Genetic studies of germinal mosaicism in Drosophila

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

melanogaster using the mutable wc gene. Hartl DL, et al. Genetics 65:449-56, Jul 70
Chromosomes in human testicular tumours. Martineau M. J Pathol 99:271-82, Dec 69
Germinal cell loss during human spermatogenesis. Barr AB, et al. J Reprod Fertil 25:75-80, Apr 71
Existence of degenerating cells in the seminiferous tubules of the normal, adult and retrogressed testes of the Indian hedgehog, Paraechinus micropus. Bidwai P, et al. J Reprod Fertil 26:359-60, Sep 71
Early histological and histochemical changes in the heated and cryptorchid rat testis. Blackshaw AW, et al. J Reprod Fertil 24:151, Jan 71
Studies on rat testicular cells in tissue culture. Kretser DM de, et al. J Reprod Fertil 24:311-8, Mar 71
Early changes in the histology and cytochemistry of the heated ram testis. Samisoni JI, et al. J Reprod Fertil 24:150-1, Jan 71
Kinetic analysis of isotope exchange in a system of concentric cylinders. Fraidenraich N, et al. J Theor Biol 32:107-22, Jul 71
Ultrastructure of crystalloids in spermatogonia and Sertoli cells of normal human testis. Sohval AR, et al. J Ultrastruct Res 34:83-102, Jan 71
Arrangement, ultrastructure, and adrenergic innervation of smooth musculature of the ductuli efferentes, ductus epididymidis and ductus deferens of man. Baumgarten HG, et al. Z Zellforsch Mikrosk Anat 120:37-79, 1971
Spermatogenesis revisited. I. On the presence of multinucleate spermatogenic cells in the seminiferous epithelium of the mouse. Bryan JH. Z Zellforsch Mikrosk Anat 112:333-49, 1971
Effects of a rise in ambient temperature on the pars distalis of the pituitary, the interrenal gland and the interstitial tissue of the testis in the common frog, Rana temporaria, during hibernation. Kemenade JA van. Z Zellforsch Mikrosk Anat 95:620-30, 1969
Quantitation of the cells of the seminiferous epithelium of the human testis employing the sertoli cell as a constant. Rowley MJ, et al. Z Zellforsch Mikrosk Anat 115:461-72, 1971
[Observations on the evolution of the fine structure of interstitial cells in the postnatal testis of white mice: continuity or perenniality of these cells] Scheib D. C R Acad Sci [D] (Paris) 272:837-40, 8 Feb 71 (Fre)
[Chromatin movement during nuclear secretion in the seminiferous gland of the green crab and evolutionary significance of this phenomenon] Studitskif AN. Dokl Akad Nauk SSSR 198:1439-41, 1971 (Rus)
[Ultrastructure of the silkworm testis. I. Membrana basilaris and discharge of spermatozoa from the lobuli testis to the ductus efferens] Danilova LV, et al. Tsitologiia 13:15-21, Jan 71 (Rus)
[Transcription capacities of the endomitotic cells of the testis of Chrysochraon dispar dispar] Kiknadze II, et al. Tsitologiia 12:844-53, Jul 70 (Rus)
[Morphology of the human testis and its relation to sexual differentiation and the feminizing testis] Grihó E. Rev Argent Endocrinol Metab 16:65-7, Jun 70 (Spa)

DRUG EFFECTS

Spermatogenesis and sperm output in rabbits after long-term treatment with oxytocin. Melin P. Acta Endocrinol (Kbh) 66:515-28, Mar 71
Effect of melatonin on puberal male rats. König A, et al. Acta Endocrinol [Suppl] (Kbh) 155:43, 1971
Histochemical studies on calcification of the rat testis by lead acetate. Sharma SN, et al. Acta Histochem (Jena) 38:1-6, 1970
Cellular changes induced by manganese in the rat testis--preliminary results. Chandra SV. Acta Pharmacol Toxicol (Kbh) 29:75-80, 1971
[Histological findings of the testis and prostate in rats after intramuscular administration of a progestogen (SH 582). Suzuki S, et al. Acta Urol Jap 16:450-8, Sep 70
Effect of radiation on the reproductive system in the Indian catfish, Heteropneustes fossilis Bloch. 3. Testicular changes following treatment with estrogen and irradiation. Srivastava PN, et al. Arch Biol (Liege) 80:337-45, 1969
Effect of clomiphene on testicular protein synthesis in vitro. Hollinger MA. Biochem Pharmacol 19:2701-5, Oct 70
Rat intratesticular test systems for investigating luteinizing hormone releasing factor (LRF) and luteinizing hormone (LH) activities: effects of rat stalk-median eminence extract and internal environment of rat testis upon rat and quail anterior pituitaries. Suzuki Y, et al. Endocrinol Jap 17:431-40, Dec 70
Testicular damages in neonatally estrogenized adult mice. Takasugi N. Endocrinol Jap 17:277-81, Aug 70
Hyperlipidic diet as a factor allowing alpha-naphtyl-isothiocyanate and thioacetamide toxicity on the albino rat testis. Mazzanti L, et al. Experientia 27:169-70, 15 Feb 71
New evidence demonstrating the multivalent nature of human chorionic gonadotropin. Hamashige S, et al. Fertil Steril 22:28-36, Jan 71
Effects of mammalian gonadotropins (FSH and LH) on the testes of the lizard Anolis carolinensis. Licht P, et al. Gen Comp Endocrinol 13:367-81, Dec 69
Effects of salmon pituitary gonadotropin, ovine luteinizing hormone, and testosterone on the testes and seminal vesicles of hypophysectomized catfish, Heteropneustes fossilis (Bloch). Sundararaj BI, et al. Gen Comp Endocrinol 17:73-82, Aug 71
Testicular degeneration in acetoacetate injected rats. Sivakumar B, et al. Indian J Biochem 7:205-6, Sep 70
Effect of progesterone on biochemical composition of rat seminiferous tubules. Jehan Q, et al. Indian J Exp Biol 8:68-70, Apr 70
The role of prolactin in the regulation of testicular function: the effect of prolactin and luteinizing hormone on 3-hydroxysteroid dehydrogenase activity in the testes of mice and rats. Hafiez AA, et al. J Endocrinol 50:619-23, Aug 71
Toxicity of dimethylnitrosamine for the rat testis. Hard GC, et al. J Pathol 102:201-7, Dec 70
Comparative effects of methylene, ethylene and propylene dimethanesulphonates on the male rat reproductive system. Cooper ER, et al. J Reprod Fertil 23:103-8, Oct 70
Histological changes in the seminiferous tubules of immature mice following administration of gonadotrophins. Davies AG. J Reprod Fertil 25:21-8, Apr 71
Comparative responses of the isolated testicular capsule and parenchyma to autonomic drugs. Davis JR, et al. J Reprod Fertil 26:241-5, Aug 71
Early actions of cadmium in the rat and domestic fowl testis. V. Inhibition of carbonic anhydrase. Johnson AD, et al. J Reprod Fertil 23:463-8, Dec 70
Alterations in sialic acid in the epididymis of the puberal rat in response to changes in functional activity of the testis. Rajalakshmi M, et al. J Reprod Fertil 24:409-13, Mar 71
The effects of testosterone and dihydrotestosterone on the comb, testis, and pituitary gland of the male fowl. Zeller FJ. J Reprod Fertil 25:125-7, Apr 71
Histology and histochemistry of rat testicles as affected by carbon disulfide. Gondzik M. Pol Med J 10:133-9, 1971
Prostaglandin E1 induced inhibition of rabbit testicular contractions in vitro. Hargrove JL, et al. Proc Soc Exp Biol Med 136:958-61, Mar 71
Follicle-stimulating hormone and the regulation of testosterone secretion in rabbit testes. Johnson BH, et al. Science 173:635-7, 13 Aug 71
[Effects, on the liver and testis, of ethionine associated with butter yellow] Lacassagne A, et al. Bull Cancer (Paris) 57:365-79, Jul-Sep 70 (Fre)
[Baleful action of the weed-killer 2,4D on the embryonic development and fecundity of feather game] Lutz-Ostertag Y, et al. C R Acad Sci [D] (Paris) 271:2418-21, 21 Dec 70 (Fre)
[A comparative study of the hematological and tissue effects of testosterone administered to male rats by percutaneous or by subcutaneous routes] Aschkenasy A. Therapie 25:1025-46, Nov-Dec 70 (Fre)
[Karyometric and histometric investigations on the testes of rats after treatment with cyproterone and cyproterone acetate] Heinert G, et al. Acta Endocrinol [Suppl] (Kbh) 152:38, 1971 (Ger)
[Histological findings in the biopsy of human testes during anti-androgen treatment] Städtler F, et al. Acta Endocrinol [Suppl] (Kbh) 152:36, 1971 (Ger)
[The effect of cyproterone acetate on the testosterone-biosynthesis in rat testes] Engel K, et al. Hoppe Seylers Z Physiol Chem 352:559-66, Apr 71 (Ger)
[Animal experiment studies on the central and peripheral effectiveness of clomiphene dihydrogencitrate] Mayer HG. Z Geburtshilfe Gynaekol 174:35-58, 1971 (Ger)
[Histological findings in the testes of adult albino rats following disruptions of the endocrine systems] Marzotko D, et al. Z Mikrosk Anat Forsch 83:215-36, 1971 (Ger)
[Testicular lesions in rats treated with ethambutol] Botticelli A, et al. Boll Soc Ital Biol Sper 47:72-5, 15 Feb 71 (Ita)
[Effect of prolonged high dose administration of an anti-androgen (medroxyprogesterone acetate) on testicular function in rats] Ronzoni G, et al. Chir Patol Sper 17:101-10, Jun 69 (Ita)
[On a new synthetic gestagen, gestonorone. Its use in the treatment of prostatic hypertrophy and histological control of its effects on the male gonad] Luciani L, et al. Minerva Urol 21:203-13, Nov-Dec 69 (Ita)
[The effect of thyroxine and methylthiouracil on the gonadotropic reaction and ability of androgen to stimulate regeneration of cocks' combs] Vunder PA, et al. Biull Eksp Biol Med 68:93-6, Aug 69 (Rus)
[Effect of maneb on testicular and ovarian functions] Kirilich AE. Veterinariia 6:93-4, Jun 70 (Rus)
[Action of gonadotropins on the prepuberal testicle] Bergadá C, et al. Rev Argent Endocrinol Metab 14:163-4, Sep 68 (Spa)
[Interrelation between sex glands and anterior lobe of the hypophysis in old male rats after administration of small (reactivating) doses of antitesticular cytotoxic serum] Spasokukotskii IuS, et al. Fiziol Zh 16:589-93, Sep-Oct 70 (Ukr)
[Changes in gonadotropic function of hypophysis in young and old male rats under administration of different doses of antitesticular cytotoxic serum] Spasokukotskiĭ IuA, et al. Fiziol Zh 16:24-8, Jan-Feb 70 (Ukr)

EMBRYOLOGY

Differentiation of the Leydig cell of the mouse testis during the fetal period--an ultrastructural study. Russo J, et al. Am J Anat 130:461-86, Apr 71
Interspecific character of the Müllerian-inhibiting substance: action of the human fetal testis, ovary and adrenal of the fetal rat Müllerian duct in organ culture. Josso N. J Clin Endocrinol Metab 32:404-9, Mar 71
Ultrastructure of germ cell development in the human fetal testis. Gondos B, et al. Z Zellforsch Mikrosk Anat 119:1-20, 1971
[Does the embryonal testis of the chick secrete testosterone?] Weniger JP. Arch Anat Histol Embryol (Strasb) 53:97-105, 1970 (Fre)
[On the secretion of the inductor of müllerian regression in the chick embryo: chronology of hypophyso-testicular relations] Stoll R, et al. C R Soc Biol (Paris) 164:1013-5, 1970 (Fre)
[Cytology of the prenatal development of human gonads. I. Histogenesis of the testis, studied on epon sections] Vossmeyer J. Z Anat Entwicklungsgesch 134:146-64, 1971 (Ger)
[Cytology of the prenatal development of human gonads. II. Electronmicroscopic studies on the cytogenesis of gonocytes and foetal spermatogonia in the testis] Wartenberg H, et al. Z Anat Entwicklungsgesch 134:165-85, 1971 (Ger)
[Histoenzymatic studies of human gonads during intrauterine development] Brandau H, et al. Z Geburtshilfe Gynaekol 173:233-49, 1970 (Ger)
[Symposium 2. Endocrine function of the fetus. 5. Androgen and fetus] Kobayashi T. Folia Endocrinol Jap 46:768-81, 20 Oct 70 (Jap)
[Characteristics of histostructure of the testes of boars during ontogenesis] Arkhipovets AI. Arkh Anat Gistol Embriol 58:81-5, Jun 70 (Rus)
[Biological determination of androgen concentration in the sex glands of guinea pig embryos] Ivanova EA. Biull Eksp Biol Med 69:123-5, Apr 70 (Rus)

ENZYMOLOGY

Hydrolytic enzymes of the testis: physiological implications. Vanha-Perttula T, et al. Acta Endocrinol [Suppl] (Kbh) 155:64, 1971
Testicular 17,20-desmolase deficiency causing male pseudohermaphroditism. Zachmann M, et al. Acta Endocrinol [Suppl] (Kbh) 155:65, 1971
Subcellular distribution of acid phosphatase in the mouse testis. Russo J. Acta Physiol Lat Am 20:74-6, 1970
Distribution of lactate dehydrogenase isozymes in subcellular fractions of rat tissues. Domenech EM de, et al. Arch Biochem Biophys 141:147-54, Nov 70
Enzyme studies of the testis in myotonic dystrophy. Hamilton W, et al. Arch Dis Child 45:713-4, Oct 70
Steroid 7 alpha-hydroxylase of rat testes. Inano H, et al. Biochemistry 10:1503-9, 13 Apr 71
Characterization of adenyl cyclase from the testis of Chinook salmon. Menon KM, et al. Biochemistry 10:1186-90, 30 Mar 71
Chromatographic fractionation and characterization of rat testicular acid phosphatases. Vanha-Perttula T. Biochim Biophys Acta 227:390-401, 10 Feb 71
Purification and some properties of an acid deoxyribonuclease from testes of chinook salmon Oncorhynchus tshawytscha. Yamamoto M. Biochim Biophys Acta 228:95-104, 1 Jan 71
Deoxyribonucleic acid polymerase from immature testes of salmon. Tarr HL, et al. Can J Biochem 49:19-27, Jan 71
Studies on spermatogenesis in rats. II. Evidence that carnitine acetyltransferase is a marker enzyme for the investigation of germ cell differentiation. Vernon RG, et al. Can J Biochem 49:761-7, Jul 71
Inhibition of testicular glucose-6-phosphate dehydrogenase by dehydroepiandrosterone and its sulfoconjugates. Menzel P, et al. Clin Chim Acta 29:195-6, Jul 70
The effect of zineb and maneb on the isoenzymes of lactate dehydrogenase in the testes of rats. Izmirova N, et al. Dokl Boig Akad Nauk 22:225-7, 1969
Production of hypospadias in the rat by selective inhibition of fetal testicular 17 alpha-hydroxylase and C17-20-lyase. Goldman AS. Endocrinology 88:527-31, Feb 71
Hormonal control of lysosomal enzymes during spermatogenesis in the rat. Males JL, et al. Endocrinology 88:578-88, Mar 71
A microassay procedure for delta 5-3 beta-hydroxysteroid dehydrogenase based on substrate depletion. Philpott JE, et al. Endocrinology 88:1082-5, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effects of ascorbic acid, dehydroascorbic acid and follicle stimulating hormone on delta 5-3 beta-hydroxysteroid dehydrogenase in toad testis. Biswas NM. Endokrinologie 56:144-7, 1970

A new type of acid phosphatase from rat testis. Vanha-Perttula T. Experientia 27:42-4, 15 Jan 71

Hormonal testicular activity in men with a varicocele. Raboch J, et al. Fertil Steril 22:152-5, Mar 71

Histochemical techniques in the study of steroid-dehydrogenases in human testis. Fabbrini A, et al. Folia Endocrinol (Roma) 23:533-43, Oct 70

Histochemical demonstration of 3 beta-, 3 alpha-, 11 beta-, and 17 beta-hydroxysteroid dehydrogenases in the testis of Fundulus heteroclitus. Bara G. Gen Comp Endocrinol 13:189-200, Oct 69

Effect of HCG on the enzymic activity of toad testes. Russo J, et al. Gen Comp Endocrinol 13:185-8, Oct 69

The effect of X-rays on enzymes of the mouse testis. Kochar NK, et al. J Anat 109:39-50, May 71

Hormonal regulation of hyaluronidase during spermatogenesis in the rat. Males JL, et al. J Biol Chem 245:6329-34, 10 Dec 70

Familial male pseudohermaphroditism with gynecomastia due to a testicular 17-ketosteroid reductase defect. I. Studies in vivo. Saez JM, et al. J Clin Endocrinol Metab 32:604-10, May 71

The effects of testosterone, oestradiol and pregnant mare serum gonadotrophin on growth and enzyme activity in the rat testis. Elkington JS, et al. J Reprod Fertil 23:1-10, Oct 70

Circadian rhythm of acid phosphatase in mouse testis lysosomes. Russo J. J Reprod Fertil 23:21-4, Oct 70

Early changes in the histology and cytochemistry of the heated ram testis. Samisoni JI, et al. J Reprod Fertil 24:150-1, Jan 71

Distribution of hyaluronidase in bovine urogenital organs: on immunofluorescent study. Nagakubo I, et al. Okajimas Folia Anat Jap 47:445-53, Mar 71

Immunochemical specificity of lactate dehydrogenase-X. Goldberg E. Proc Natl Acad Sci USA 68:349-52, Feb 71

Effect of biogenic amines on the endocrine axis and esterase activity of hamster testes. Seibel HR, et al. Proc Soc Exp Biol Med 135:132-7, Oct 70

[Histo-enzymological study of the delta 5-3 beta-hydroxysteroid dehydrogenase activity of the testis of white mice. (Before and after birth). Normal testis and explanted test is in the presence of the pituitary] Scheib D, et al. Arch Anat Microsc Morphol Exp 60:205-18, Apr-Jun 71 (Fre)

[Histo-enzymologic study of the fetal human testis] Josso N. Arch Fr Pediatr 27:991-2, Nov 70 (Fre)

[Comparison of effects of avitaminosis C on activity of acid DNase of testis in the young and adult guinea pig] Hitier Y. Arch Sci Physiol (Paris) 24:323-30, 1970 (Fre)

[Histochemical localization of lactate dehydrogenase isoenzyme X in the testis of mice and rats] Dokov VK, et al. C R Soc Biol (Paris) 164:672-4, 1970 (Fre)

[Electrophoretic and immunoelectrophoretic studies of injectable enzyme preparations: pancreatic and testicular preparations] Dony J, et al. Progr Immunobiol Stand 4:395-405, 1970 (Fre)

[Enzyme histotopochemistry of the bovine testis during its fetal and postnatal development] Wrobel KH, et al. Histochemie 26:160-79, 1971 (Ger)

[Histoenzymatic studies of human gonads during intrauterine development] Brandau H, et al. Z Geburtshilfe Gynaekol 173:233-49, 1970 (Ger)

[A histochemical study on the various conditions of human testes] Kaneko Y. Jap J Urol 61:975-94, Oct 70 (Jap)

[Separation of testicular hyaluronidases] Vikha IV, et al. Biokhimiia 36:216-8, Jan-Feb 71 (Rus)

[Change in the activity of glucose-6-phosphate enzymes in rat testes during hypoxia] Petukhov MI. Biull Eksp Biol Med 70:34-6, Sep 70 (Rus)

[Lactate dehydrogenase isoenzymes in testicular cultures from human testes] Evrev T, et al. Dokl Bolg Akad Nauk 22:967-70, 1969 (Rus)

[Significance of testicular remnants in pigs castrated by different methods] Petrosian SL. Veterinariia 6:80-2, Jun 70 (Rus)

GROWTH & DEVELOPMENT

Advancement of spermatogenesis and testosterone production in the prepuberal ferret following hypothalamic lesions. Goldfoot DA, et al. Acta Endocrinol [Suppl] (Kbh) 155:25, 1971

Fine structure of the Leydig cell during postnatal differentiation of the mouse testis. Russo J. Anat Rec 170:343-55, Jul 71

Spermatogenetic activity after early postnatal hypothalamic lesion in rats. Daikoku S, et al. Endocrinol Jap 17:551-66, Dec 70

Serum LH and FSH during sexual maturation in the male rat: effect of castration and cryptorchidism. Swerdloff RS, et al. Endocrinology 88:120-8, Jan 71

The effects of gonadotropin immunization of prepubertal rabbits on gonadal development. Monastirsky R, et al. Fertil Steril 22:318-24, May 71

Effect of diethylstilbestrol implantation on testicular development in the boar. Palmer WM, et al. J Anim Sci 32:525-30, Mar 71

The effects of testosterone, oestradiol and pregnant mare serum gonadotrophin on growth and enzyme activity in the rat testis. Elkington JS, et al. J Reprod Fertil 23:1-10, Oct 70

The influence of the social environment on sexual maturation in male mice. Vandenbergh JG. J Reprod Fertil 24:383-90, Mar 71

Spermatid differentiation in the blowfly Sarcophaga bullata with particular reference to flagellar morphogenesis. Warner FD. J Ultrastruct Res 35:210-32, May 71

Interactions of the pineal gland, blinding, and underfeeding on reproductive organ size and radioimmunoassayable growth hormone. Sorrentino S Jr, et al. Neuroendocrinology 7:105-15, 1971

[Development of a double system of genital glands in the homoplastic chimera with a double body in the amphibian urodele, Pleurodeles waltili Michah] Houillon C, et al. C R Acad Sci [D] (Paris) 272:1546-9, 15 Mar 71 (Fre)

[Observations on the evolution of the fine structure of interstitial cells in the postnatal testis of white mice: continuity or perenniality of these cells] Scheib D. C R Acad Sci [D] (Paris) 272:837-40, 8 Feb 71 (Fre)

[Structural abnormalities and role of the Y chromosome in man] Devictor-Vuillet M, et al. Pathol Biol (Paris) 19:231-49, Mar 71 (Fre)

[Studies on gonadal development in Göttingen-miniature male pigs] Roth E, et al. Z Versuchstierkd 12:243-56, 1970 (Ger)

[Experimental study on the proliferation and the maturation of germ-cell, Sertoli cell and Leydig cell of the rat testis] Okada K. Jap J Urol 61:1125-46, Dec 70 (Jap)

[Characteristics of histostructure of the testes of boars during ontogenesis] Arkhipovets AI. Arkh Anat Gistol Embriol 58:81-5, Jun 70 (Rus)

[Regeneration of gonads in reptiles] Shakhmardanov ZA, et al. Biull Eksp Biol Med 70:92-4, Sep 70 (Rus)

IMMUNOLOGY

Antitesticular immunity. Role of the basement membrane. Isidori A, et al. Experientia 26:1375-7, 15 Dec 70

Impairment of spermatogenesis and libido through antibodies to lutenizing hormone. Talaat M, et al. Fertil Steril 22:113-8, Feb 71

Lysosomal activity in testes of guinea pigs immunized with aspermatogenic antigen. Katsh S, et al. Int Arch Allergy Appl Immunol 39:496-510, 1970

Immunologically induced aspermatogenesis in the white mouse. II. Malkiel S, et al. J Allergy 46:321-5, Dec 70

Selective damage to spermatogenic cells of high antigenicity during auto-allergic aspermatogenesis. Johnson MH. J Pathol 102:131-8, Nov 70

An immunological barrier in the guinea-pig testis. Johnson MH. J Pathol 101:129-39, Jun 70

Immunological studies with rat testis: antigenic characterization. Gunaga KP, et al. J Reprod Fertil 23:263-9, Nov 70

Antigenicity, toxicity and cross-reactions of male bat (Myotis lucifugus) reproductive organs. Hunter AG, et al. J Reprod Fertil 24:171-7, Feb 71

[Experimental aspermatogenesis induced by autoimmunization. 3. Aspermatogenesis in the hamster treated with homologous testis and zymosan adjuvant] Vermiglio G, et al. Riv Patol Clin Sper 10:233-49, Jul-Dec 69 (Ita)

[Phagocytic function of the epithelium of the seminiferous ducts of white rats in reparative regeneration] Bobkov AG. Biull Eksp Biol Med 68:94-8, Oct 69 (Rus)

[Experimental and clinical study of autoimmune aspermatogenesis] Bresler VM, et al. Vestn Akad Med Nauk SSSR 26:87-9, 1971 (Rus)

[Detection of an autoantigen in testicular tissue and in cells of monolayer cultures of guinea pig testis] Podoplelov II, et al. Vestn Akad Med Nauk SSSR 26:82-6, 1971 (Rus)

INJURIES

Unilateral hyperthermic shocks to rat testis. Bawa SR, et al. J Reprod Fertil 25:271-3, May 71

[Ruptures of the testis in children] Sauvage P, et al. Ann Chir Infant 11:293-6, Sep-Oct 70 (Fre)

[Injuries to the testis and its accessories] Benhamou G, et al. Laval Med 40:1005-12, Dec 69 (Fre)

[Surgical indications in closed trauma of the scrotum (epididymis and testicular ruptures)] Neidhardt JH, et al. Lyon Med 222:559-60, 12 Oct 69 (Fre)

INNERVATION

Variation between species in the innervation of intra-testicular blood vessels. Dayan AD. Experientia 26:1359-60, 15 Dec 70

METABOLISM

Metabolism of dehydroepiandrosterone by rat testicular homogenates; kinetic study at different temperatures; direct effect of 17 beta-oestradiol. Kaartinen E, et al. Acta Endocrinol (Kbh) 66:50-64, Jan 71

Biosynthesis of testosterone and oestrogens in vitro by the testicular tissue from patients with Klinefelter's syndrome. Sharma DC, et al. Acta Endocrinol (Kbh) 66:737-44, Apr 71

The role of testosterone and androstenedione as precursors of epitestosterone in guinea pigs (in vivo and in vitro studies). Szamatowicz M, et al. Acta Endocrinol (Kbh) 67:187-96, May 71

De novo synthesis of steroids by the testes of the human foetus at midgestation. Mathur RS, et al. Acta Endocrinol [Suppl] (Kbh) 155:135, 1971

Testosterone production by testis of essential fatty acid deficient rats. Molen HJ van der, et al. Acta Endocrinol [Suppl] (Kbh) 155:71, 1971

Biochemical and histochemical studies on foetal gonads. Schindler AE, et al. Acta Endocrinol [Suppl] (Kbh) 155:113, 1971

Histochemical observations on the spermatogenesis of Fasciola indica. Guraya SS, et al. Acta Morphol Neeri Scand 8:9-17, Sep 70

Histochemical observations on the spermatogenesis of the trematode, Paramphistomum (Explanatum) bathycotyle. Guraya SS, et al. Acta Morphol Neeri Scand 8:19-27, Sep 70

Uptake of water, sodium and glucose by the ductuli efferentes of the hamster "in vitro". Montorzi NM, et al. Acta Physiol Lat Am 20:135-9, 1970

Testosterone biosynthesis by rat testis: studies related to an alternate pathway. Milewich L, et al. Arch Biochem Biophys 141:338-41, Nov 70

In vitro nucleic acid labelling in rat testis following nitrofurazone administration. Hollinger MA, et al. Arch Int Pharmacodyn Ther 185:20-4, May 70

The metabolism of 4,7,10,13,16-(5-14C)docosapentaenoic acid in the testis of the rat. Bridges RB, et al. Biochim Biophys Acta 218:29-35, 6 Oct 70

Side-chain cleavage of cholesterol to C8 and C8 compounds by adrenal and testis tissue preparations. Burstein S, et al. Biochim Biophys Acta 231:223-32, 2 Feb 71

The lipid composition of maturing rat testis. The effect of alpha-tocopherol. Carpenter MP. Biochim Biophys Acta 231:52-79, 2 Feb 71

Effect of xylitol on testicular protein and RNA biosynthesis of rats. Shima S, et al. Endocrinol Jap 17:283-7, Aug 70

In vivo biosynthesis of testosterone in the testes of the essential fatty acid-deficient rat. Ahluwalia B, et al. Endocrinology 88:106-14, Jan 71

Studies on the inhibition of fetal androgen formation. Inhibition of testosterone synthesis in rat and rabbit fetal testes with observations on reproductive tract development. Bloch E, et al. Endocrinology 89:16-31, Jul 71

Studies on the inhibition of fetal androgen formation: testosterone synthesis by fetal and newborn mouse testes in vitro. Bloch E, et al. Endocrinology 88:41-6, Jan 71

Studies on androgen metabolism in experimentally feminized rats. Bottiglioni F, et al. Endocrinology 89:553-9, Aug 71

Metabolism of progesterone by rat testicular homogenates. IV. Further studies of testosterone formation in immature testis in vitro. Coffey JC, et al. Endocrinology 89:865-72, Sep 71

Studies on the in vitro testicular binding of iodinated luteinizing hormone in rats. De Kretser DM, et al. Endocrinology 88:332-7, Feb 71

Effects of light deprivation upon the spermatogenic and steroidogenic elements of hamster testes. Desjardins C, et al. Endocrinology 89:791-800, Sep 71

Steroid metabolism by isolated rat seminiferous tubules in tissue culture. Dufau ML, et al. Endocrinology 88:825-32, Apr 71

Penetration of exogenous testosterone, pregnenolone, progesterone and cholesterol into the seminiferous tubules of the rat. Parvinen M, et al. Endocrinology 87:1082-4, Nov 70

Defective testicular testosterone synthesis by the pseudohermaphrodite rat: an abnormality of 17 beta-hydroxysteroid dehydrogenase. Schneider G, et al. Endocrinology 87:864-73, Nov 70

Formation and metabolism of testosterone in testicular tissue of immature rats. Steinberger E, et al. Endocrinology 89:879-84, Sep 71

Testicular phospholipids. IV. The influence of ICSH and testosterone upon phospholipids in rat testes with intact germinal epithelium. Yokoe Y, et al. Endocrinology 88:1092-4, Apr 71

Testicular phospholipids 3: site of action of ICSH in testis following regression of the germinal epithelium. Yokoe Y, et al. Endocrinology 88:195-205, Jan 71

In vivo and in vitro studies on the oxidation of ascorbic acid to dehydroascorbic acid in the testis of toad. Biswas NM. Endokrinologie 57:145-7, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effects of luteinizing hormone on the testicular ascorbic acid and steroid hormone synthesis of toad. Biswas NM, et al. Endokrinologie 56:140-3, 1970

Male infertility: histochemical changes in the subhuman primate testis after prolonged immobilization. Cockett AT, et al. Fertil Steril 22:565-72, Sep 71

A comparative study of germ cell kinetics in the testes of children with unilateral cryptorchidism: a preliminary report. Markewitz M, et al. Fertil Steril 21:806-15, Nov 70

Metabolism of pregnenolone-4-14C by the testis of Gobius paganellus (Teleostei). Colombo L, et al. Gen Comp Endocrinol 15:404-19, Dec 70

Identification and quantification of the major androgens in testicular and peripheral plasma of Atlantic salmon (Salmo salar) during sexual maturation. Idler DR, et al. Gen Comp Endocrinol 16:257-67, Apr 71

Seasonal changes in the testicular lipids and after hypophysectomy in the Indian house lizard, Hemidactylus flaviviridis Ruppell. Reddy PR, et al. Gen Comp Endocrinol 16:288-97, Apr 71

The antigonadal properties of prolactin in birds: failure of prolactin to inhibit the uptake of 32P by testes of cockerels in vivo. Stetson MH, et al. Gen Comp Endocrinol 15:484-7, Dec 70

Effect of altered thyroid status on biochemical composition of the rat seminiferous tubules. Jehan Q, et al. Indian J Exp Biol 9:1-3, Jan 71

The biosynthesis of protamine in trout testis. 3. Characterization of protamine components and their synthesis during testis development. Ling V, et al. J Biol Chem 246:1168-76, 25 Feb 71

Testosterone metabolism in target tissues. 2. Human fetal and adult reproductive tissues, perineal skin and skeletal muscle. Keich RP, et al. J Clin Endocrinol Metab 32:449-56, Apr 71

Effects of prolactin and luteinizing hormone on the cholesterol stores in the mouse testis. Bartke A. J Endocrinol 49:317-24, Feb 71

Intercellular transport of steroids in the perfused rabbit testis. Galjaard H, et al. J Endocrinol 48:li-lii, Dec 70

The metabolism of steroids in the canine prostate and testis. Harper ME, et al. J Endocrinol 49:213-23, Feb 71

Micropuncture studies of the electrochemical aspects of fluid and electrolyte transport in individual seminiferous tubules, the epididymis and the vas deferens in rats. Levine N, et al. J Physiol (Lond) 213:557-70, Mar 71

Early histological and histochemical changes in the heated and cryptorchid rat testis. Blackshaw AW, et al. J Reprod Fertil 24:151, Jan 71

Oxygen consumption by seminiferous tubules and interstitial tissues of normal and cryptorchid rat testes. Gomes WR. J Reprod Fertil 26:427-9, Sep 71

Energy metabolism of the normal and cryptorchid rat testis. Härkönen M, et al. J Reprod Fertil 25:29-39, Apr 71

Metabolism of ATP by testis mitochondria of 25-day-old rats. Hollinger MA. J Reprod Fertil 25:443-5, Jun 71

Early actions of cadmium in the rat and domestic fowl testis. IV. Autoradiographic location of 115m cadmium. Johnson AD, et al. J Reprod Fertil 24:115-7, Jan 71

Testicular lipids. IV. Effect of unilateral and bilateral cryptorchidism on the fatty acids of esterified cholesterol in the rat and rabbit. Johnson AD, et al. J Reprod Fertil 25:425-30, Jun 71

Early actions of cadmium in the rat and domestic fowl testis. 3. Subcellular location of injected 109 cadmium. Johnson AD, et al. J Reprod Fertil 23:201-13, Nov 70

The metabolism of linoleic and arachidonic acids in rat testis. Bridges RB, et al. Lipids 5:628-35, Jul 70

Carbon uptake response by sertoli cells and epithelial cells lining the duct system of the Japanese quail (Coturnix coturnix japonica). Atwal OS, et al. Poult Sci 50:159-66, Jan 71

Steroidal free radicals as possible intermediates in the biosynthesis of C19-delta 16-steroids. Lippman V, et al. Proc Natl Acad Sci USA 67:1754-60, Dec 70

Studies on the structure and function of the mammalian testis. 3. In vitro steroidogenesis by the seminiferous tubules of rat testis. Bell JB, et al. Proc R Soc Lond [Biol] 176:433-43, 12 Jan 71

Study of spermatogenesis and steroid metabolism in cultures of mammalian testes. Steinberger E, et al. Recent Progr Horm Res 26:547-88, 1970 (63 ref.)

Pregnenolone and pregnenolone sulfate metabolism by human fetal testes in vitro. Lamont KG, et al. Steroids 16:127-40, Jul 70

Testicular steroidogenesis in vitro in the rat in response to blinding, pinealectomy and to the addition of melatonin. Peat F, et al. Steroids 17:251-64, Feb 71

Effect of human chorionic gonadotrophin on the discharge of ascorbic acid from the canine testis. Koba H, et al. Tohoku J Exp Med 104:85-71, May 71

[Biosynthesis of steroids in mollusca. Demonstration of 17 beta-hydroxysteroid dehydrogenase in the gonads of Mytilus edulis L. (a bivalve mollusk)] Longcamp D de, et al. C R Acad Sci [D] (Paris) 271:1564-6, 28 Oct 70 (Fre)

[Transformation of testosterone into dihydrotestosterone by the embryonic testis of mice] Weniger JP, et al. C R Acad Sci [D] (Paris) 272:853-4, 8 Feb 71 (Fre)

[Metabolism of testosterone by the testis and Wolffian ducts of mouse embryos] Weniger JP, et al. C R Acad Sci [D] (Paris) 272:1796-8, 29 Mar 71 (Fre)

[Influence of experimental cryptorchism on the ascorbic acid content and acid deoxyribonuclease activity of rat testis] Pestis J, et al. C R Soc Biol (Paris) 164:289-71, 25 Sep 70 (Fre)

[Simulation of the metabolism kinetics of progesteron-4-14C in organ-cultures of fetal testis and fetal adrenal glands using an analog computer] Riemann J, et al. Int Z Klin Pharmakol Ther Toxikol 4:281-8, Apr 71 (Ger)

[Technic of incubation with tritiated thymidine in the study of DNA synthesis applied to bioptic specimens of human testicle] Fabbrini A, et al. Folia Endocrinol (Roma) 23:544-50, Oct 70 (Ita)

[In vitro studies on steroid metabolism in human fetal testes during various stages of development] Jasonni VM, et al. Riv Ital Ginecol 53:573-86, Oct 69 (Ita)

[Sulfhydryl group content and morphological changes in rat organs following intraperitoneal administration of Y-90 and Au-198 colloids] Pavliushchik, et al. Med Radiol (Mosk) 15:54-60, Aug 70 (Rus)

[Fractional composition of 17-ketosteroids in the urine of men with tuberculosis of the urinary and urogenital systems] Bekturganova NS. Sov Zdravookhr Kirg 6:7-9, Nov-Dec 70 (Rus)

[Testicular phospholipid metabolism in rats during oxygen starvation] Gribanov GA. Vopr Med Khim 16:351-4, Jul-Aug 70 (Rus)

[Testosterone biosynthesis in testes of normal Rhesus monkeys and monkeys with autoimmune experimental orchitis] Hoschoian JC, et al. Rev Argent Endocrinol Metab 15:1-8, Mar 69 (Spa)

PATHOLOGY

Light and electron microscopical aspects of interstitial cell hyperplasia of testis. Report of two cases. Satodate R, et al. Acta Pathol Jap 20:387-98, Aug 70

Testicular changes in association with malformation of the central nervous system and mental retardation. Boström K, et al. Acta Pathol Microbiol Scand [A] 79:249-56, 1971

Effect of gonadotrophin therapy on testicular volume and sexual development in adolescent boys with hypogonadotrophic hypogonadism. Hochman IH, et al. Arch Dis Child 46:378-81, Jun 71

Relationship between the intensity of atherosclerosis and histological appearance of testicles. Krus S, et al. Bull Pol Med Sci Hist 14:83-5, Apr 71

Testicular morphology and germ cell DNA synthesis in the testis of patients with prostatic carcinoma. Markewitz M, et al. Cancer 27:919-24, Apr 71

On the structural integrity of basement membrane. Ross MH, et al. Exp Cell Res 50:277-85, May 68

Antitesticular immunity. Role of the basement membrane. Isidori A, et al. Experientia 26:1375-7, 15 Dec 70

Testicular degeneration in Macaca nemestrina induced by immobilization. Zemjanis R, et al. Fertil Steril 21:335-40, Apr 70

Two further males with female karyotypes. De la Chapelle A, et al. Humangenetik 11:286-94, 1971

Immuno-biological study using testis as the target organ. Gupta S, et al. Indian J Pathol Bacteriol 13:41-50, Apr 70

Testicular histology in diabetics with impotence. Singhal KC, et al. Indian J Pathol Bacteriol 12:145-8, Oct 69

Experimental cryptorchidism in the rat. A light and electron microscope study. Leeson TS, et al. Invest Urol 8:127-44, Sep 70

Small testes in prepubetal boys with Klinefelter's syndrome. Laron Z, et al. J Clin Endocrinol Metab 32:671-2, May 71

Testicular biopsy findings in patients with impaired fertility. Garduno A, et al. J Urol 104:871-7, Dec 70

Periarteritis nodosa presenting as mass in testis. Mowad JJ, et al. J Urol 105:109-11, Jan 71

Male Turner's syndrome: a case report with normal external genitalia, hormonal assays and secondary sex characteristics. DeVillez RL, et al. Milit Med 135:786-90, Sep 70

Relationship between the intensity of atherosclerosis and histological structure of the testes. Kruś S, et al. Pol Med J 10:96-102, 1971

An evaluation of testicular biopsy in farm animals. Galina CS. Vet Rec 88:628-31, 12 Jun 71

Tubular damage caused by local thermal injury or microembolization of the rat testis. Suoranta H. Virchows Arch [Zellpathol] 8:299-306, 1971

[Results of orchidometry in cryptorchism] Jirásek J. Rozhl Chir 49:613-8, Dec 70 (Cse)

[Attempted study with the electron microscopy of functional testicular biopsies] Mazzuca M. Lille Med 16:515-34, Apr 71 (Fre)

[Semeiologic importance of testis biopsy in childhood cryptorchism] Hedinger C, et al. Pediatrie 23:856-7, Apr-May 68 (Fre)

[Value of testicular biopsy in male sterility] Vauzelle JL. Rev Lyon Med 19:Suppl:27-30, 1970 (Fre)

[A new quantitative method for determination of spermatogenesis and its application in examinations of spermatogenesis in the testes of rats with hereditary unilateral descent disorders] Krause HH. Acta Endocrinol [Suppl] (Kbh) 152:32, 1971 (Ger)

[Histometric investigations on testicular tissue of obob-mice in various developmental stages before and after stimulation with gonadotropins] Usadel KH, et al. Acta Endocrinol [Suppl] (Kbh) 152:48, 1971 (Ger)

[Morphological examination of the testes of rats with spontaneous cryptorchism after orchidopexy] Usadel KH, et al. Acta Endocrinol [Suppl] (Kbh) 152:31, 1971 (Ger)

[Depositions of amyloid in human testicles] Lachner H, et al. Arch Klin Exp Dermatol 239:219-26, 1970 (Ger)

[Regeneration of testicular parenchyma in rams] Vrzgulová M. Gegenbaurs Morphol Jahrb 114:118-28, 1969 (Ger)

:[Testicular changes in a diabetic Chinese hamster] Federlin K, et al. Z Versuchstierkd 12:99-100, 1970 (Ger)

[Histologic changes in the testis in cryptorchism] Ricci G, et al. Chir Patol Sper 17:456-66, Dec 69 (Ita)

[Morphologic and quantitative study of intra- and extraparenchymal Leydig cells of the testis in prostatic cancer] Brunetti A. Fracastoro 62:494-501, Sep-Oct 69 (Ita)

[Histological and histoenzymatic research on the testicle in cryptorchidism] Genova R, et al. Minerva Pediatr 21:2339-53, 15 Dec 69 (Ita)

[Testicular biopsy as a routine investigation in the diagnosis of male sterility] Musella S. Rass Int Clin Ter 50:1215-7, 15 Oct 70 (Ita)

[Prognostic significance of the changes of the germinal cells in prostatic cancer] Sessenna R, et al. Riv Anat Patol Oncol 35:456-61, 1969 (Ita)

[The study of the human testes in malignant hematopoietic tumors; particularly in leukemia] Amano S. Jap J Urol 62:325-36, Apr 71 (Jap)

[Contribution to the anatomo-clinical study of human intersexuality. II] Luca LA de, et al. Rev Paul Med 76:77-88, Sep 70 (Por)

[Polymorphism of testicular lesions in Klinefelter's syndrome] Milcu SM, et al. Stud Cercet Endocrinol 22:89-98, 1971 (Rum)

[Testicular histopathology in a case of hereditary nephritis with deafness (Alport's syndrome)] Pianzola LE, et al. Arch Fund Roux Ocefa 3:207-11, 1969 (Spa)

[Testicular biopsy in cryptochism] Toledo LA, et al. Rev Chil Pediatr 41:209-12, Mar 70 (Spa)

PHYSIOLOGY

Testicular and pineal function in ferrets exposed to continuous light or darkness. Baum MJ, et al. Acta Endocrinol [Suppl] (Kbh) 155:28, 1971

Action and metabolism of 5 -androstan-3,17-dion on cellular level of target tissues of male rats. Becker H, et al. Acta Endocrinol [Suppl] (Kbh) 155:150, 1971

Early effects of castration and testosterone administration on glucose metabolism in the ventral prostate of the rat. Santti RS. Acta Endocrinol [Suppl] (Kbh) 155:149, 1971

Influence of gonads on the sulfuryiation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. Torday JS, et al. Can J Biochem 49:437-40, Apr 71

The effect of artificial cryptorchidism on the testis and on testicular blood flow in an Australian marsupial, Macropus eugenii. Setchell BP, et al. Comp Biochem Physiol 38:705-8, 1 Mar 71

A theoretical approach to the regulatory mechanism in the brain-hypophyseal-gonadal system with reference to its mathematical modeling and computer simulation. Inoué S, et al. Endocrinol Jap 17:567-83, Dec 70

Effect of orchidectomy on the intestinal secretion of dogs. Misra NK, et al. Endocrinology 87:1361-3, Dec 70

Some endocrine effects of blinding and anosmia in adult male rats with observations on pineal melatonin. Reiter RJ, et al. Endocrinology 88:895-900, Apr 71

The ability of HCG in the induction of spermination in toads devoid of an endogenous souce of gonadotropin. Chatterjee A, et al. Endokrinologie 58:119-20, 1971

Seasonal cycles in melatonin synthesis by the pineal gland as related to testicular function in the house sparrow (Passer domesticus). Barfuss DW, et al. Gen Comp Endocrinol 17:183-93, Aug 71

Isolation versus grouping effects on adrenal and gonadal function in albino mice. I. The male. Brain PF, et al. Gen Comp Endocrinol 16:149-54, Feb 71

The role of the pituitary gland in testicular function in the lizard Agama agama. Eyeson KN. Gen Comp Endocrinol 16:342-55, Apr 71

Endocrine effects of castration in white-crowned sparrows. Stetson MH, et al. Gen Comp Endocrinol 17:105-14, Aug 71

Interspecific character of the Müllerian-inhibiting substance: action of the human fetal testis, ovary and adrenal of the fetal rat Müllerian duct in organ

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

culture. Josso N.
J Clin Endocrinol Metab 32:404-9, Mar 71
Effect of neonatal treatment with oestrogen on the pituitary reaction to neonatal castration in the male rat. Arai Y, et al. J Endocrinol 46:279-80, Feb 70
Atrophy of the ventral gland of the male deermouse after castration. Blum SL, et al.
J Endocrinol 49:695-6, Apr 71
The androgenic response of the genital accessory organs of thyroxine-treated and castrated rats exposed to cold. Das RP, et al.
J Endocrinol 49:591-8, Apr 71
Effects of gonadectomy and testosterone replacement on the viability of epididymal spermatozoa in the golden hamster (Mesocricetus auratus).
Lubicz-Nawrocki C, et al. J Endocrinol 48:22-3, Sep 70
Local stimulatory effect of vitamin A on spermatogenesis in the rat. Ahluwalia B, et al.
J Nutr 101:141-51, Feb 71
Seasonal changes in testicular function of the viviparous lizard Tiliqua rugosa (Gray). Bourne AR, et al. J Reprod Fertil 24:138-9, Jan 71
Seasonal changes in the reproductive tract of the male rock hyrax, Procavia capensis. Millar RP, et al.
J Reprod Fertil 23:497-9, Dec 70
The influences of illumination, melatonin and pinealectomy on testicular function in the rat. Kinson GA, et al. Life Sci [I] 10:259-69, 1 Mar 71
Interdisciplinary study: scrotal sac and testes. Psychophysiological and psychological observations.
Bell AI, et al. Psychoanal Q 40:415-34, 1971
Relation of psychologic measures of aggression and hostility to testosterone production in man. Persky H, et al. Psychosom Med 33:265-77, May-Jun 71
Hormonal effects on hepatic cholesterol biosynthesis and esterification. Jungmann RA, et al.
Steroids 17:541-57, May 71
[Contribution to the study of the mechanism of the refractory period of the gonads in birds] Roudneva LM.
Ann Endocrinol (Paris) 31:1065-9, Nov-Dec 70 (Fre)
[The annual cycle of the testis of the guinea-cock] Barbier Y, et al.
Bull Biol Fr Belg 104:119-47, 1970 (Fre)
[Action of human testis on rat fetus Muller's duct in organ culture] Josso N.
C R Acad Sci [D] (Paris) 271:2149-52, 9 Dec 70 (Fre)
[Comparative study of the inhibitory action of the testis of rabbits and rats on the Müller's ducts of these 2 species, in vitro] Picon R.
C R Acad Sci [D] (Paris) 272:98-101, 4 Jan 71 (Fre)
[Modifications, in the rat, during development of the testis, of its inhibitory action on the Müllerian ducts in vitro] Picon R.
C R Acad Sci [D] (Paris) 271:2370-2, 21 Dec 70 (Fre)
[Effects of hypophysectomy and castration on the composition of the greater psoas muscle in rabbits] Jehl C, et al.
C R Soc Biol (Paris) 164:1566-70, 1970 (Fre)
[Relaion between histometric data and testicular weight during the seasonal cycle in the golden hamster] Vendrely E, et al.
C R Soc Biol (Paris) 164:1442-8, 1970 (Fre)
[Determination of testes consistency in bulls, using a tonometer to test the germinative function of the gonads] Leidl W, et al.
Berl Munch Tieraerztl Wochenschr 84:141-4, 15 Apr 71 (Ger)
[Determination of hormone production by the boar testis for assigment of parameters evaluating the state of endocrine function] Busch W, et al.
Endokrinologie 57:125-38, 1970 (Ger)
[Testis and the pituitary gland] Yamada K.
Acta Urol Jap 16:719-21, Dec 70 (Jap)
[Control mechanism of hormone secretion in the male sexual function] Oshima H.
Clin Endocrinol (Tokyo) 18:322-3, Oct 70 (42 ref.) (Jap)
[Brain and the function of the male sex glands] Oshima H, et al. Saishin Igaku 25:2529-34, Dec 70 (39 ref.) (Jap)
[Nonesterified fatty acid content of blood and adipose tissue in castrated rats during electrification] Nikul'cheva NG.
Biull Eksp Biol Med 67:41-2, 1969 (Rus)
[Post-castration changes in the bile-forming function of the liver in white rats] Skakun GK.
Biull Eksp Biol Med 67:33-5, 1969 (Rus)
[Micromorphology of accessory sex glands in rams castrated by various methods] Petrosian SL.
Veterinariia 11:91-2, Nov 70 (Rus)
[Changes in reproductive functions in animals, thyroidectomized in immature and mature age] Makarenko MV. Fiziol Zh 14:499-503, Jul-Aug 68 (Ukr)
[Effect of testosterone propionate on the mobility of nervous processes in dogs of a different type of nervous system after castration] Tikhomirova LD, et al. Fiziol Zh 16:113-5, Jan-Feb 70 (Ukr)
[Seasonal rhythm of testis in the bat (Myotis oxygnatus)] Koceva V.
God Zb Med Fak Skopje 16:361-71, 1970 (Cro)

PHYSIOPATHOLOGY

A reinvestigation of testicular-anterior pituitary relationships in the rat. I. Effects of castration and cryptochidism. Amatayakul K, et al.
Endocrinology 88:872-80, Apr 71
Studies of endocrine function in boys with retarded growth, delayed sexual maturation and zinc deficiency. Coble YD Jr, et al.
J Clin Endocrinol Metab 32:361-7, Mar 71
Subnormal testicular function in a bull concealed by phagocytosis of abnormal spermatozoa in the efferent ductules. Crabo B, et al.
J Reprod Fertil 26:393-6, Sep 71
Changes in endocrine gland during fracture repair and effect of their ablation. Chatterjee S, et al.
J Trauma 10:890-900, Oct 70
[Puberty in Klinefelter's disease] Lederer J.
Ann Endocrinol (Paris) 31:907-11, Sep-Oct 70 (Fre)
[Synthesis of proteins, RNA and phospholipids in the myocardium in compensatory hyperfunction of the heart following preliminary castration] Shmakov IuG.
Biull Eksp Biol Med 67:23-4, 1969 (Rus)
[The spermatogenic function of thyrotoxicosis patients] Kazarian GA, et al.
Zh Eksp Klin Med 7:79-83, 1967 (Rus)

RADIATION EFFECTS

Effect of radiation on the reproductive system in the Indian catfish, Heteropneustes fossilis Bloch. 3. Testicular changes following treatment with estrogen and irradiation. Srivastava PN, et al.
Arch Biol (Liege) 80:337-45, 1969
The effect of x-rays on the vascularization of the mouse testis. Kochar NK, et al. Fertil Steril 22:53-7, Jan 71
The immediate and delayed effects of 1000 R x-rays on the rodent testis. Rugh R, et al.
Fertil Steril 22:73-82, Feb 71
The effect of X-rays on enzymes of the mouse testis. Kochar NK, et al. J Anat 109:39-50, May 71
Chromosomal aberrations in cultured porcine fibroblasts after x-irradiation of male progenitors. Zartman DL, et al. J Anim Sci 32:1-9, Jan 71
Modification of rat testicular response to x-irradiation by various lighting regimes. 1. The pineal gland and melatonin synthesis as a possible mediator of the response. Ellis LC, et al. Life Sci [I] 9:1011-20, 1 Sep 70
A radiation effect from low doses of tritiated thymidine or x-rays. Payne JT, et al. Radiat Res 47:123-42, Jul 71
Qualitative and quantitative studies on the effect of internal co-60 irradiation on the testes of black and white mice. Srivastava PN, et al.
Strahlentherapie 139:323-9, Mar 70
[Studies on the effect of interval-length in fractionated x-ray irradiation on a model of rabbit testicle] Leidl W, et al. Strahlentherapie 139:548-52, May 70 (Ger)
[Studies on the problem of combined radiologic-cytostatic therapy. 10. Syncytostatic studies with vinblastine sulfate] Ringleb D, et al.
Strahlentherapie 141:599-603, May 71 (Ger)
[Histological findings in normal tissues irradiated under the protection of a grid] Ottolenghi G.
Minerva Radiol 14:277-93, Jul-Aug 69 (Ita)
[Changes in rat testes under the effect of soft roentgen rays] Bondareva EN.
Radiobiologiia 9:697-700, Sep-Oct 69 (Rus)
[Sperm production in the dog during chronic gamma irradiation for a period of 2 years] Fedorova NL, et al.
Radiobiologiia 11:120-3, Jan-Feb 71 (Rus)
[ATP concentration and the intensity of its resynthesis (according to P32 studies) in several tissues of irradiated ats] Voskoboinikov GV.
Vopr Med Khim 16:343-8, Jul-Aug 70 (Rus)

SECRETION

Secretion of free and sulfate-conjugated neutral steroids by the human testis. Effect of administration of human chorionic gonadotropin. Laatikainen T, et al.
J Clin Endocrinol Metab 32:59-64, Jan 71
Blood levels and production rate of 17-hydroxypregnenolone in man. Strott CA, et al.
J Clin Invest 49:1999-2007, Nov 70
The secretion of fluid by the testes of rats, rams and goats with some observations on the effect of age, cryptorchidism and hypophysectomy. Setchell BP.
J Reprod Fertil 23:79-85, Oct 70
[Action of chorionic gonadotropin on the testicular secretion of testosterone] Rivarola MA, et al.
Rev Argent Endocrinol Metab 14:164-5, Sep 68 (Spa)
[An XY eunuchism syndrome with preserved spermatogenesis and normal secretion of FSH, ICSH and testosterone. Preliminary report] Del Pozo E.
Rev Iber Endocrinol 16:393-6, Sep-Oct 69 (Spa)

SURGERY

Testicular tumor 18 years following orchiopexy: case report. Jaffar DJ, et al. J Urol 104:878-9, Dec 70
[Winkelmann's operation on boys] Christensen S, et al.
Nord Med 84:1623-4, 17 Dec 70 (Dan)
[Surgical treatment of male sterility] Cognat M.
Rev Lyon Med 19:Suppl:41-3, 1970 (Fre)
[Clinical data and therapeutic results in 311 cases of prostatic carcinoma] Kollwitz AA, et al.
Urol Int 25:368-76, 1970 (Ger)

TRANSPLANTATION

An early 20th-century testicular transplant. Haviland TN, et al.
Trans Stud Coll Physicians Phila 38:231-4, Apr 71
[Testis transplantation] Kreyberg L.
Tidsskr Nor Laegeforen 91:382, 20 Feb 71 (Nor)

TESTOSTERONE (D2, D8)

Crystallographic data for testosterone hydrate and anhydrate. Thakkar AL, et al.
Acta Crystallogr [B] (Kbh) 26:1184, 15 Aug 70
Studies on the minimal exposure time for androgen to evoke sterility in female rats. Alkiint T, et al.
Acta Physiol Scand 80:5A, Dec 70
Studies of common baldness of the stump-tailed macaque (Macaca speciosa). VI. The effect of testosterone on common baldness. Takashima I, et al.
Arch Dermatol 103:527-34, May 71
Estrogen biosynthesis. Stereospecific distribution of tritium in testosterone-1 alpha,2 alpha-t2. Osawa Y, et al. Biochemistry 10:66-71, 5 Jan 71
The effect of Ca2+ on the binding of steroids to human serum albumin. Ryan MT, et al.
Biochim Biophys Acta 222:206-9, 27 Oct 70
Testosterone. Killinger DW.
Can Med Assoc J 103:733-5, 10 Oct 70
Androgenicity in the rat fetus of metabolites of testosterone and antagonism by cyproterone acetate. Goldman AS, et al. Endocrinology 89:276-80, Jul 71
Permeation of testosterone through silicone rubber membranes. Hwang ST, et al.
Invest Urol 8:245-53, Nov 70
Synthesis and photochemistry of delta-1-4-alkyltestosterones. Schuster DI, et al.
J Am Chem Soc 93:731-7, 10 Feb 71
Physical properties and binding capacity of testosterone-estradiol-binding globulin in human plasma, determined by polyacrylamide gel electrophoresis. Corvol PL, et al.
J Biol Chem 246:3435-43, 10 Jun 71
Organosilyl ethers of penicillin and hormones. Post HW. J Med (Basel) 1:242-5, 1970
The 12-alpha,13-beta-etiojervane analog of testosterone. Johns WF.
J Org Chem 36:711-5, 12 Mar 71
The effect of temperature on the solubilities of testosterone propionate in low polarity solvents. Bowen DB, et al.
J Pharm Pharmacol Suppl:104S+, Dec 70
An infrared study of solute-solvent interactions of testosterone propionate. James KC, et al.
J Pharm Pharmacol Suppl:109S+, Dec 70
The serum level of immunoreactive LH in intact and spayed androgen-sterilized rats. Labhsetwar AP.
J Reprod Fertil 23:349-52, Nov 70
Arcuate nucleus region in androgen-sterilized female rats: ultrastructural observations. Ratner A, et al.
Neuroendocrinology 8:26-35, 1971
Sex hormones and adenohypophysial weight: interaction of gonadectomy, oestradiol and testosterone in rats. Schreiber V, et al.
Physiol Bohemoslov 19:511-8, 1970

ADMINISTRATION & DOSAGE

Effect of testosterone and meprobamate on the gastric acidity and peptic ulceration. Chandra D, et al.
Indian J Med Res 59:609-13, Apr 71
The local application of testosterone cream to the prepubertal phallus. Immergut M, et al.
J Urol 105:905-6, Jun 71
[Arterial insufficiency in the lower extremities treated with drugs] Genster HG, et al.
Ugeskr Laeger 133:244-6, 12 Feb 71 (Dan)
[Virilization of a male hypogonadism (De Morsier's syndrome) with percutaneous 5 alpha dihydrotestosterone (DHT). Clinical and biological study] Mauvais-Jarvis P, et al.
Presse Med 79:711-4, 27 Mar 71 (Fre)
[Results of treatment of libido disorders in women] Gabele A. Z Allgemeinmed 47:666-8, 30 Apr 71 (Ger)
[Excretion of total, free and conjugated 17-ketosteroids, in the course of prolonged treatment with testosterone in healthy subjects and cirrhotic patients] Abate G, et al.
Endocrinol Sci Cost 30:353-62, Apr 69 (Ita)

ADVERSE EFFECTS

Genital mycoplasmosis in rate treated with testosterone propionate to produce constant estrus. Leader RW, et al.
J Am Vet Med Assoc 157:1923-5, 1 Dec 70
[Androgenization of the female juvenile rat after treatment with HCG] Neumann HO, et al.
Arch Gynaekol 209:416-9, 1971 (Ger)

ANALYSIS

Testosterone binding by human serum proteins. Lea OA, et al. Acta Endocrinol [Suppl] (Kbh) 155:105, 1971
Investigation of equilibrium ultrafiltration as a means

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of measuring steroid-protein binding parameters. Ryan MT, et al. Anal Biochem 40:364-79, Apr 71
Testosterone, epitestosterone and androstenedione in the pollen of Scotch pine P. silvestris L. Saden-Krehula M, et al. Experientia 27:108-9, 15 Jan 71
Behaviour of dehydroisoandrosterone, testosterone and their conjugates on DEAE-Sephadex. Hobkirk R, et al. J Chromatogr 54:431-2, 3 Feb 71
A radioimmunoassay for testosterone, androstenedione and other 3-oxo-4-unsaturated steroids. Jeffcoate SL. J Endocrinol 49:2-3, Mar 71
A procedure for the estimation of oestradiol, prednisone and testosterone in propylene glycol. Bowron M, et al. J Pharm Pharmacol 23:537, Jul 70
Testosterone and dehydroepiandrosterone in the epididymis of the rabbit. Frankel AI, et al. J Reprod Fertil 23:441-5, Dec 70
A sensitive sulfuric acid-ethanol induced fluorescence reaction for testosterone and androstenedione. Eechaute W, et al. Steroids 16:277-87, Sep 70
[Presence of testosterone and androstenedione in the testis and plasma of newborn guinea pig] Berger M, et al. C R Acad Sci [D] (Paris) 272:1141-4, 22 Feb 71 (Fre)
[Testosterone determination in the plasma and urine using the competitive protein binding method] Uettwiller A. Z Klin Chem Klin Biochem 8:225-30, May 70 (Ger)
[Identification of norethisterone acetate, testosterone oenanthate, estradiol valerinate and estradiol benzoate by thin layer chromatography in oily preparations] Ari N, et al. Turk Hij Tecr Biyol Derg 29:200-6, 1969 (Tur)

ANTAGONISTS & INHIBITORS

Effect of 17-alpha-methyl-beta-nortestosterone (SK & F 7690) on the binding in vitro of 5-alpha-dihydrotestosterone to macromolecular components from the rat ventral prostate. Tveter KJ. Acta Endocrinol (Kbh) 66:352-6, Feb 71
Some endocrine studies of a new antiandrogen, 6-alpha-bromo-17-beta-hydroxy-17-alpha-methyl-4-oxa-5-alpha-androstan-3-one (BOMT). Boris A, et al. Endocrinology 88:1086-91, Apr 71
Induction of target organ insensitivity to testosterone in the male guinea-pig with cyproterone. Goldfoot DA, et al. J Endocrinol 50:423-9, Jul 71
The effects of an anti-androgen on erythropoiesis. Mirand EA, et al. J Med (Basel) 1:213-8, 1970
Mechanism of androgenic action: effect of specific intracellular inhibitors. Walsh PC, et al. J Urol 105:850-7, Jun 71
[Inhibition of hormonally induced DNA synthesis by caffeine in vivo] Mitznegg P, et al. Klin Wochenschr 48:1194-5, 1 Oct 70 (Ger)

BIOSYNTHESIS

Urinary testosterone glucuronide as a measure of endogenous testosterone production. Goldzieher JW, et al. Acta Endocrinol (Kbh) 67:371-83, Jun 71
Metabolism of dehydroepiandrosterone by rat testicular homogenates; kinetic study at different temperatures; direct effect of 17 beta-oestradiol. Kaartinen E, et al. Acta Endocrinol (Kbh) 66:50-64, Jan 71
Pathways in the biosynthesis of androgens in the postmenopausal ovary in vitro. Schenker JG, et al. Acta Endocrinol (Kbh) 66:325-32, Feb 71
Biosynthesis of testosterone and oestrogens in vitro by the testicular tissue from patients with Klinefelter's syndrome. Sharma DC, et al. Acta Endocrinol (Kbh) 66:737-44, Apr 71
De novo synthesis of steroids by the testes of the human foetus at midgestation. Mathur RS, et al. Acta Endocrinol [Suppl] (Kbh) 155:135, 1971
Testosterone production by testis of essential fatty acid deficient rats. Molen HJ van der, et al. Acta Endocrinol [Suppl] (Kbh) 155:71, 1971
Testosterone biosynthesis by rat testis: studies related to an alternate pathway. Milewich L, et al. Arch Biochem Biophys 141:338-41, Nov 70
In vivo biosynthesis of testosterone in the testes of the essential fatty acid-deficient rat. Ahluwalia B, et al. Endocrinology 88:106-14, Jan 71
Studies on the inhibition of fetal androgen formation. Inhibition of testosterone synthesis in rat and rabbit fetal testes with observations on reproductive tract development. Bloch E, et al. Endocrinology 89:16-31, Jul 71
Studies on the inhibition of fetal androgen formation: testosterone synthesis by fetal and newborn mouse testes in vitro. Bloch E, et al. Endocrinology 88:41-6, Jan 71
Metabolism of progesterone by rat testicular homogenates. IV. Further studies of testosterone formation in immature testis in vitro. Coffey JC, et al. Endocrinology 89:865-72, Sep 71
Effects of light deprivation upon the spermatogenic and steroidogenic elements of hamster testes. Desjardins C, et al. Endocrinology 89:791-800, Sep 71
Production of hypospadias in the rat by selective inhibition of fetal testicular 17 alpha-hydroxylase and C17-20-lyase. Goldman AS. Endocrinology 88:527-31, Feb 71
Free cell suspensions from ovarian tissue: preparation and steroidogenic response to gonadotropins. Liu TC, et al. Endocrinology 88:419-26, Feb 71
Defective testicular testosterone synthesis by the pseudohermaphrodite rat: an abnormality of 17 beta-hydroxysteroid dehydrogenase. Schneider G, et al. Endocrinology 87:864-73, Nov 70
Formation and metabolism of testosterone in testicular tissue of immature rats. Steinberger E, et al. Endocrinology 89:879-84, Sep 71
The contribution of plasma dehydroepiandrosterone sulfate to testosterone in a virilized patient with an arrhenoblastoma. Loriaux DL, et al. J Clin Endocrinol Metab 31:702-4, Dec 70
C19-steroid biosynthesis in the human adrenal gland. Jones T, et al. J Endocrinol 50:535-6, Jul 71
The production of hormonal steroids by ovarian tissues of the chinchilla (Chinchilla laniger). Tam WH. J Endocrinol 50:267-79, Jun 71
Inhibiting effect of a methylating agent, trimethyiphosphate, on testosterone synthesis in the male rat. Carstensen H. Life Sci [I] 10:917-25, 15 Aug 71
Relation of psychologic measures of aggression and hostility to testosterone production in man. Persky H, et al. Psychosom Med 33:265-77, May-Jun 71
Testicular steroidogeneis in vitro in the rat in response to blinding, pinealectomy and to the addition of melatonin. Peat F, et al. Steroids 17:251-64, Feb 71
[Metabolism of pregnenolone 7 alpha-3H and of progesterone 4-14C by embryonic gonads of the chicken, cultivated in vitro] Cedard L, et al. C R Acad Sci [D] (Paris) 271:1707-10, 9 Nov 70 (Fre)
[Biosynthesis of steroids in mollusca. Demonstration of 17 beta-hydroxysteroid dehydrogenase in the gonads of Mytilus edulis L. (a bivalve mollusk)] Longcamp D de, et al. C R Acad Sci [D] (Paris) 271:1564-6, 28 Oct 70 (Fre)
[Karyometric studies on Leydig interstitial cells in the testis of albino rats following experimental alteration of the hypothalamus-hypophysis-thyroid gland system] Marzotko D, et al. Gegenbaurs Morphol Jahrb 114:284-308, 1969 (Ger)
[The effect of cyproterone acetate on the testosterone-biosynthesis in rat testes] Engel K, et al. Hoppe Seylers Z Physiol Chem 352:559-66, Apr 71 (Ger)
[Hard-to-classify forms of intersexuality. 3. Biosynthesis of steroids in testis of a case of male pseudohermaphroditism] Menzel P, et al. Klin Wochenschr 48:996-1001, 15 Aug 70 (Ger)
[Testosterone biosynthesis in testes of normal Rhesus monkeys and monkeys with autoimmune experimental orchitis] Hoschoian JC, et al. Rev Argent Endocrinol Metab 15:1-8, Mar 69 (Spa)

BLOOD

Serum testosterone as an index of gonadotrophin secretion in acromegaly and pituitary disease. Rosenfield RL, et al. Acta Endocrinol (Kbh) 65:302-8, Oct 70
Studies on testosterone-protein reactions in children in relation to their sexual maturation. Gupta D, et al. Acta Endocrinol [Suppl] (Kbh) 152:24, 1971
The effect of intravenously administered HCG on plasma concentrations of testosterone, dihydrotestosterone and progesterone in normal male adults. Maurer W, et al. Acta Endocrinol [Suppl] (Kbh) 155:62, 1971
Plasma testosterone content of patients with Parkinson's disease during L-DOPA treatment. Pekkarinen A, et al. Acta Endocrinol [Suppl] (Kbh) 155:231, 1971
Diurnal variations in plasma testosterone levels of adult male rhesus monkeys. Plant TM, et al. Acta Endocrinol [Suppl] (Kbh) 155:69, 1971
Steroid studies in two subjects with androgen-producing ovarian tumours. Vihko R, et al. Acta Endocrinol [Suppl] (Kbh) 155:222, 1971
Plasma testosterone in hirsute women: diagnostic significance of stimulation-suppression tests. Werder K von, et al. Acta Endocrinol [Suppl] (Kbh) 152:16, 1971
Preoperative detection of hidden testes. Levine LS, et al. Am J Dis Child 121:176-8, Feb 71
A rapid and sensitive assay for plasma testosterone in adults and children. Winter JS, et al. Anal Biochem 40:440-9, Apr 71
Interaction of steroids with human red blood cells. Brinkmann AO, et al. Ann Endocrinol (Paris) 31:Suppl 4:789+, 1970
Determination of testosterone and delta 4-androstenedione by means of displacement analysis. Stöa KF, et al. Ann Endocrinol (Paris) 31:Suppl 4:817+, 1970
Steroid assays in human pregnancy blood. Ross PE, et al. Biochem J 120:24P, Dec 70
Hormone hanges in carcinoma of prostate. Straffon WG. Br J Urol 42:743, Dec 70
Antibodies to testosterone-3-bovine serum albumin, applied to assay of serum 17-beta-ol androgens. Chen JC, et al. Clin Chem 17:581-4, Jul 71
Determination of testosterone binding affinity, 17-beta-ol androgens, and free androgen index in hirsute women. Pohlman C, et al. Clin Chem 17:585-6, Jul 71
A simple and clinically useful method for plasma testosterone-like substances by competitive protein binding. Anderson DC. Clin Chim Acta 29:513-22, Sep 70
The effect of Norit extraction on the plasma binding of testosterone in normal men and in women with the polycystic ovary syndrome. Southren AL, et al. Clin Chim Acta 30:538-40, Nov 70
Testosterone and cortisol concentration in spermatic, adrenal and systemic venous blood in adult male guinea pigs. Bullock LP, et al. Endocrinology 88:523-6, Feb 71
Steroid binding to serum proteins in maturing male and female rats. Ramaley JA. Endocrinology 89:545-52, Aug 71
Statistical evaluation of relationships between plasma testosterone and seminal fructose. Dondero F, et al. Folia Endocrinol (Roma) 23:559-65, Oct 70
Identification and quantification of the major androgens in testicular and peripheral plasma of Atlantic salmon (Salmo salar) during sexual maturation. Idler DR, et al. Gen Comp Endocrinol 16:257-67, Apr 71
Seminal fructose as an indicator of androgenic activity: critical analysis. Moon KH, et al. Invest Urol 8:373-6, Jan 71
Testosterone levels of boars at various ages. Gray RC, et al. J Anim Sci 33:124-6, Jul 71
Measurement of plasma testosterone as the iodomethyldimethylsilyl ether by gas-liquid chromatography. Thomas BS. J Chromatogr 56:37-50, 24 Mar 71
Diurnal cycles in plasma FSH, testosterone and cortisol in men. Faiman C, et al. J Clin Endocrinol Metab 33:186-92, Aug 71
Percentage binding of testosterone, androstendione and dihydroisoandrosterone in plasma at the time of delivery. Forest MG, et al. J Clin Endocrinol Metab 32:417-25, Mar 71
Kinetics of dissociation of 17-beta-hydroxysteroids from the steroid binding beta-globulin of human plasma. Heyns W, et al. J Clin Endocrinol Metab 32:147-54, Feb 71
Concentration of unconjugated estrogens, androgens and gestagens in ovarian and peripheral venous plasma of women: the normal menstrual cycle. Lloyd CW, et al. J Clin Endocrinol Metab 32:155-66, Feb 71
Further studies on the pathophysiology of testicular feminization syndrome. Mauvais-Jarvis P, et al. J Clin Endocrinol Metab 32:563-71, Apr 71
Response of gonadotropins and testosterone to clomiphene stimulation in a pubertal body. Nankin HR, et al. J Clin Endocrinol Metab 33:380-3, Aug 71
Diurnal variations in the levels of plasma and urinary androgens. Okamoto M, et al. J Clin Endocrinol Metab 32:846-51, Jun 71
Urinary excretion of testosterone and epitestosterone and plasma levels of LH and testosterone in the Japanese and Ainu. Okamoto M, et al. J Clin Endocrinol Metab 32:673-4, May 71
Studies of the protein binding of testosterone in plasma in disorders of thyroid function: effect of therapy. Olivo J, et al. J Clin Endocrinol Metab 31:539-45, Nov 70
HCG stimulation test in prepubertal boys with cryptorchidism, in bilateral anorchia and in male pseudohermaphroditism. Rivarola MA, et al. J Clin Endocrinol Metab 31:526-30, Nov 70
Plasma testosterone binding globulin and indexes of the concentration of unbound plasma androgens in normal and hirsute subjects. Rosenfield RL. J Clin Endocrinol Metab 32:717-28, Jun 71
Plasma 17-ketosteroids and testosterone in prepubertal children before and after ACTH administration. Rosenfield RL, et al. J Clin Endocrinol Metab 33:249-53, Aug 71
Effects of induced hyperthyroidism on steroid metabolism in man. Ruder H, et al. J Clin Endocrinol Metab 33:382-7, Sep 71
Endocrine and metabolic studies in children with male pseudohermaphroditism. Saez JM, et al. J Clin Endocrinol Metab 32:611-8, May 71
Plasma testosterone levels and sexual activity in a male subject. Fox CA, et al. J Endocrinol 48:xii, Dec 70
Estimation of testosterone in plasma of the domestic fowl. Furr BJ, et al. J Endocrinol 48:xiii, Dec 70
Variation in plasma testosterone levels during sleep. Ismail AA, et al. J Endocrinol 48:xii-xiii, Dec 70
Relationship between blood levels of luteinizing hormone and testosterone in bulls, and the effects of sexual stimulation. Katongole CB, et al. J Endocrinol 50:457-66, Jul 71
Elevation of luteinizing hormone, testosterone and cortisol in men taking clomiphene citrate. Marshall JC, et al. J Endocrinol 48:xxxix-xl, Dec 70
Diurnal variations of plasma testosterone in normal and pathological conditions as measured by the technique of competitive protein binding. Nieschlag E, et al. J Endocrinol 46:3-4, Feb 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Steroids of a chondrostean: corticosteroids and testosterone in the plasma of the American Atlantic sturgeon, Acipenser oxyrhynchus Mitchill. Sangalang GB, et al. J Endocrinol 50:413-21, Jul 71

Estimation of plasma testosterone using iodomethyldimethylsilyl ether derivatives and gas-liquid chromatography with electron capture. Thomas BS. J Endocrinol 48:xxi-xxii, Sep 70

Rapid double-isotope dilution derivative assay of plasma testosterone. Sparagana M. J Nucl Med 12:253-6, May 71

Androgen patterns in a case of hilar cell hyperplasia of the ovary. MacRae DJ, et al. J Obstet Gynaecol Br Commonw 78:741-5, Aug 71

Reduced plasma testosterone and LH in young men during progesterone administration. Sundsfjord JA, et al. J Reprod Fertil 26:263-5, Aug 71

Concentrations of plasma testosterone in normal men during sleep. Evans JI, et al. Nature (Lond) 229:261-2, 22 Jan 71

Plasma testosterone, dominance rank and aggressive behaviour in male rhesus monkeys. Rose RM, et al. Nature (Lond) 231:366-8, 11 Jun 71

Effect of age and experience on plasma testosterone. Grota LJ. Neuroendocrinology 8:136-43, 1971

Circulating levels of plasma testosterone during sleep. Evans JI, et al. Proc R Soc Med 64:841-2, Aug 71

A radioimmunoassay for plasma testosterone. Furuyama S, et al. Steroids 16:415-28, Oct 70

The binding of steroids by serum proteins of maturing male and female rats. Ramaley JA. Steroids 16:611-30, Nov 70

Measurement of plasma dihydrotestosterone by competitive protein-binding analysis. Tremblay RR, et al. Steroids 16:29-40, Jul 70

Effect of orchiectomy and various doses of stilbestrol on plasma testosterone levels in patients with carcinoma of the prostate. Mackler MA, et al. Surg Forum 21:540-1, 1970

[Variations of peripheral plasma testosterone in the Pekin duck during the annual cycle] Garnier DH. C R Acad Sci [D] (Paris) 272:1665-8, 22 Mar 71 (Fre)

[Measurement of the dihydrotestosterone plasma concentration] Saez JM, et al. Rev Eur Etud Clin Biol 16:284-7, Mar 71 (Fre)

[Some considerations on hirsutism. Clinical aspects. Determination of plasma testosterone] Margoulies M, et al. Rev Med Liege 25:367-70, 1 Jun 70 (Fre)

[Sex behavior of bulls in relation to the serum testosterone] Rouger YA. Dtsch Tieraerztl Wochenschr 78:124-7, 15 Feb 71 (Ger)

[Is eunuchism a question of testostererone deficiency?] Raboch J, et al. Endokrinologie 58:93-7, 1971 (Ger)

[Is eunuchism a question of testosterone deficiency?] Raboch J, et al. Endokrinologie 58:93-7, 1971 (Ger)

[Leydig cell function test. Assessment of plasma testosterone levels by competitive protein binding before and after HCG stimulation] Nieschlag E, et al. Klin Wochenschr 49:91-100, 15 Jan 71 (Ger)

[Binding of testosterone and estradiol-17beta by serum proteins in normal persons and in patients with liver cirrhosis] Breuer J, et al. Z Klin Chem Klin Biochem 8:626-31, Nov 70 (Ger)

[Physiopathology of disorders of blood testosterone transport and therapeutic prospects] De Carolis GD. Bull Sci Med (Bologna) 142:118-30, Apr-Jun 70 (Ita)

[Serum testosterone--how to read its figures] Ibayashi H. Jap J Clin Med 29:Suppl:459-74, Jan 71 (69 ref.) (Jap)

[Competitive protein binding assay of testosterone. 2. Further investigations on methodology] Mizutani S, et al. Jap J Urol 61:1088-96, Nov 70 (Jap)

CHEMICAL SYNTHESIS

Improvement of drugs by molecular modification method. I. Synthesis and biological activity of testosterone L-aspartates. Noda A, et al. Chem Pharm Bull (Tokyo) 19:196-9, Jan 71

METABOLISM

Studies on the metabolism of C19 steroids in the foeto-placental unit. 5. Placental transfer of testosterone sulphate at midgestation. Benagiano G, et al. Acta Endocrinol (Kbh) 66:653-65, Apr 71

Kinetics of 3 H-testosterone metabolism in patients with carcinoma of the prostate: effects of oestrogen administration. Bird CE, et al. Acta Endocrinol (Kbh) 67:733-9, 1971

Uptake and binding of 5 alpha-dihydrotestosterone in rat ventral prostate in vivo. Hansson V, et al. Acta Endocrinol (Kbh) 67:384-92, Jun 71

Uptake and binding in vivo of 3H labelled androgen in the rat epididymis and ductus deferens. Hansson V, et al. Acta Endocrinol (Kbh) 66:745-55, Apr 71

The formation of oestrogens by the autotransplanted ovary of the ewe perfused in vivo with C19 steroids. Rado A, et al. Acta Endocrinol (Kbh) 65:244-60, Oct 70

1,2-3H-testosterone: distribution and uptake in neural and genital tissues of intact male, castrate male and female rats. Roy SK Jr, et al. Acta Endocrinol (Kbh) 61:629-40, Aug 69

The less-polar metabolites produced by incubation of testosterone-4-14C with rat and bovine brain. Sholiton LJ, et al. Acta Endocrinol (Kbh) 61:641-8, Aug 69

Uptake of [1,2-3H] testosterone in oestrogenized male rats. Simmons JE. Acta Endocrinol (Kbh) 67:535-43, Jul 71

The role of testosterone and androstenedione as precursors of epitestosterone in guinea pigs (in vivo and in vitro studies). Szamatowicz M, et al. Acta Endocrinol (Kbh) 67:187-96, May 71

Metabolism in vivo of [3H] androstenedione and [3H] testosterone by androgen dependent tissues. Tveter KJ, et al. Acta Endocrinol (Kbh) 65:723-30, Dec 70

Studies on the uptake and binding of 5 alpha-dihydrotestosterone by rat ventral prostate cell nuclei in vitro. Unhjem O. Acta Endocrinol (Kbh) 65:533-40, Nov 70

Testosterone metabolism in human prostatic tissue and blood in patients with benign prostatic hypertrophy (BPH). Becker H, et al. Acta Endocrinol [Suppl] (Kbh) 152:28, 1971

Metabolism of testosterone by human skin with reference to sex chromosome anomalies. Engelhardt D, et al. Acta Endocrinol [Suppl] (Kbh) 152:12, 1971

Androgenic receptors in human benign nodular hyperplasia. Hansson V, et al. Acta Endocrinol [Suppl] (Kbh) 155:148, 1971

The metabolism of androgenic steroids in women. Hennam JF, et al. Acta Endocrinol [Suppl] (Kbh) 155:130, 1971

Testosterone production and metabolism in obese males. Karl HJ, et al. Acta Endocrinol [Suppl] (Kbh) 152:25, 1971

Metabolism of 14C-testosterone and 3H-testerone-35S-sulphate in human liver in vivo. Knapstein P, et al. Acta Endocrinol [Suppl] (Kbh) 155:117, 1971

Testosterone, oestrogens, progesterone, and gonadotrophin levels in patients with various testicular tumours. Lindenmeyer D, et al. Acta Endocrinol [Suppl] (Kbh) 155:66, 1971

17 beta-dehydrogenase in human endometrium. Lindert A van, et al. Acta Endocrinol [Suppl] (Kbh) 155:141, 1971

Does anterior pituitary tissue possess androgen binding sites? Naess O, et al. Acta Endocrinol [Suppl] (Kbh) 155:21, 1971

Testosterone metabolism in the rabbit. Taylor W. Acta Endocrinol [Suppl] (Kbh) 155:118, 1971

Androstenedione and testosterone production and interconversion rates measured in peripheral blood in male patients with cirrhosis of the liver. Thijssen JH, et al. Acta Endocrinol [Suppl] (Kbh) 155:116, 1971

Testosterone secretion and metabolism in old age. Vermeulen A, et al. Acta Endocrinol [Suppl] (Kbh) 152:23, 1971

Leydig-cell function aimed by testosterone metabolism in old age. Vermeulen A, et al. Acta Endocrinol [Suppl] (Kbh) 155:63, 1971

Distribution of labelled 5alpha-dihydrotestosterone in mice. Appelgren LE. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:33, 1970

Testosterone metabolism by gastrointestinal microsomes. Harri MP, et al. Acta Physiol Scand 79:537-40, Aug 70

The action of hormone metabolites: a new concept in endocrinology. A review on the metabolism and the activity of testosterone. Baulieu EE. Ann Clin Res 2:246-50, Dec 70 (18 ref.)

Sexual differentiation in the liver metabolism of steroid hormones organized by testosterone at birth. Denef C, et al. Ann Endocrinol (Paris) 31:Suppl 4:785-8, 1970

Influence of TeBG-binding of testosterone on its metabolic clearance rate. Vermeulen A, et al. Ann Endocrinol (Paris) 31:Suppl 4:831-2, 1970

Abnormal steroid hormone metabolism in the genetic liver disease acute intermittent porphyria. Kappas A, et al. Ann NY Acad Sci 179:611-24, 6 Jul 71

Androgen uptake by rat ventral prostate. Neal GE. Biochem J 118:12P, Jun 70

Testosterone metabolism in vivo by human prostatic tissue. Peeling WB, et al. Biochem J 120:443-5, Nov 70

Interaction of steroid hormones and histones. Sluyser M. Biochem Soc Symp 32:31-47, 1971 (63 ref.)

In vitro metabolism of testosterone-4-14C and delta-4-androstene-3,17-dione-4-14C in human skin. Gomez EC, et al. Biochemistry 7:24-32, Jan 68

Hormone metabolism and action: testosterone and metabolites in prostate organ culture. Robel P, et al. Bull Acad R Med Belg 9:81-97, 1969

[Decreased hydroxylation of steroid hormones by liver microsomes from rats bearing Walker carcinosarcoma 256. Kato R, et al. Cancer Res 30:2346-52, Sep 70

Rectal absorption of progesterone and testosterone in rabbits. Uldall A. Dan Tidsskr Farm 44:323-6, 1970

Effect of adrenalectomy on the substrate interaction with cytochrome P-450 in the hydroxylation of steroid hormones by liver microsomes. Kato R, et al. Endocrinol Jap 17:207-13, Jun 70

Mechanism of thyroxine-induced increase in steroid delta4-reductase activity in male rats. Kato R, et al. Endocrinol Jap 17:215-9, Jun 70

Incorporation of testosterone and 5-alpha-dihydrotestosterone into rat ventral prostate in vitro. Shimazaki J, et al. Endocrinol Jap 17:453-8, Dec 70

Aromatization of epitestosterone by human placenta. Horn H, et al. Endocrinology 88:271-3, Jan 71

Human placental 17 beta-estradiol dehydrogenase. VI. Substrate specificity of the diphosphopyridine nucleotide (triphosphopyridine nucleotide)-linked enzyme. Karavolas HJ, et al. Endocrinology 88:1165-9, May 71

Estrogen and castration-induced effects on canine prostatic fine structure and C-19-steroid metabolism. Leav I, et al. Endocrinology 89:465-83, Aug 71

Metabolism of 4-14C-testosterone by lyophilized baboon placental microsomes. Milewich L, et al. Endocrinology 88:589-95, Mar 71

Conversion of testosterone to androstenedione by the nuclear fraction of pig liver. Nduaguba JC, et al. Endocrinology 89:135-42, Jul 71

Penetration of exogenous testosterone, pregnenolone, progesterone and cholesterol into the seminiferous tubules of the rat. Parvinen M, et al. Endocrinology 87:1082-4, Nov 70

Metabolism of labeled testosterone by minces and nuclei of preputial glands of male rats. Richardson GS, et al. Endocrinology 88:890-4, Apr 71

Formation and metabolism of testosterone in testicular tissue of immature rats. Steinberger E, et al. Endocrinology 89:679-84, Sep 71

Distribution and metabolism of 3H-testosterone in castrated male rats; effects of cyproterone, progesterone and unlabeled testosterone. Stern JM, et al. Endocrinology 88:1117-25, May 71

Intranuclear metabolism of testosterone in kidneys of male and female rats. Verhoeven G, et al. Endocrinology 89:842-6, Sep 71

Dihydrotestosterone formation in fetal tissues of the rabbit and rat. Wilson JD, et al. Endocrinology 89:659-68, Sep 71

Studies on the metabolism of steroids in the foetus. Biosynthesis of 16alpha-hydroxytestosterone in the human foetal liver. Lisboa BP, et al. Endokrinologie 56:262-9, 1970

Hormonal testicular activity in men with a varicocele. Raboch J, et al. Fertil Steril 22:152-5, Mar 71

Influence of albumin on testosterone metabolism in isolated perfused livers of guinea pigs. Demisch K, et al. Hoppe Seylers Z Physiol Chem 352:181-8, Feb 71

Uptake of plasma androgens by human benign hypertrophic prostate. Farnsworth WE. Invest Urol 8:367-72, Jan 71

Transformation of testosterone into 17 beta-hydroxy-5 alpha-androstan-3-one by microsomal preparations of human skin. Voigt W, et al. J Biol Chem 245:5594-9, 10 Nov 70

Androgen metabolism in human skin. Flamigni C, et al. J Clin Endocrinol Metab 32:737-43, Jun 71

Human hepatic testosterone A-ring reductase activity: effect of medroxyprogesterone acetate. Gordon GG, et al. J Clin Endocrinol Metab 32:457-61, Apr 71

Testosterone metabolism in target tissues. 2. Human fetal and adult reproductive tissues, perineal skin and skeletal muscle. Kelch RP, et al. J Clin Endocrinol Metab 32:449-56, Apr 71

Influence of testosterone binding to serum proteins on aromatization by enzymes of human placental microsomes. Mowszowicz I, et al. J Clin Endocrinol Metab 31:584-6, Nov 70

Androgens and androgen responsiveness in the feminizing testis syndrome. Comparison of complete and "incomplete" forms. Rosenfield RL, et al. J Clin Endocrinol Metab 32:625-32, May 71

Decreased conversion of androgens to normal 17-ketosteroid metabolites: a nonspecific consequence of illness. Zumoff B, et al. J Clin Endocrinol Metab 32:824-32, Jun 71

The metabolic clearance rate and origin of plasma dihydrotestosterone in man and its conversion to the 5-alpha-androstanediols. Mahoudeau JA, et al. J Clin Invest 50:1338-44, Jun 71

Uptake of tritiated teststerone in brain and peripheral tissues of normal and neonatally androgenized female rats. Green R, et al. J Comp Physiol Psychol 72:337-40, Aug 70

Specific metabolism of testosterone during intestinal transport in the rat. Crocker JM, et al. J Endocrinol 48:52-3, Dec 70

The metabolism of testosterone by skin in normal subjects and in testicular feminization. Jenkins JS, et al. J Endocrinol 49:515-20, Mar 71

The metabolism of testosterone by human prostate in organ culture. McMahon MJ, et al. J Endocrinol 48:xx-xxi, Sep 70

Differential rates of conversion of testosterone to dihydrotestosterone in acne and in normal human skin--a possible pathogenic factor in acne. Sansone G, et al. J Invest Dermatol 56:366-72, May 71

Wound, adjacent skin and control skin radioactivity after injection of 1,2-3H-cortisol and 1,2-3H-testosterone. Smith QT. J Invest Dermatol 56:419-24, Jun 71

Studies of common baldness in the stumptailed macaque. IV. In vitro metabolism of testosterone in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the hair follicles. Takashima I, et al.
J Invest Dermatol 55:329-34, Nov 70
The metabolism of injected 3 H-testosterone in thoracic duct lymph of male rats. Seiki K, et al.
Jap Circ J 35:633-7, Jun 71
Low testosterone-binding protein: possible Y-linked trait. Gross H, et al. Lancet 1:346-7, 13 Feb 71
Testosterone-binding protein probably not Y-linked. Hecht F, et al. Lancet 1:1300, 19 Jun 71
5alpha-steroid reductase activity in tissues from rats with end organ insensitivity to testosterone. Bullock L, et al. Life Sci [I] 9:701-5, 15 Jun 70
Studies on microsomal hydroxylation and the demonstration of a new carbon monoxide binding pigment in liver microsomes. Kuntzman R, et al.
Life Sci [II] 7:215-24, 15 Feb 68
Effect of aminoglutethimide on extraglandular metabolism of exogenous testosterone. Horky K, et al.
Metabolism 20:331-6, Mar 71
Distribution curves of 3H-testosterone and 3H-estradiol in neonatal female rats. Alvarez EO, et al.
Neuroendocrinology 6:349-60, 1970
Alterations in the binding of 3H-testosterone during development in the rat. Lobl RT, et al.
Neuroendocrinology 8:107-15, 1971
Passage of testosterone-4-C14 from the egg shell to the albumin. Wilson JA, et al. Poult Sci 50:655-6, Mar 71
Conversion of 3H-androstenedione and 3H-testosterone to 3H-oestradiol-17 beta in vitro by the ovary of the guppy, Poecilia reticulata. Lambert JG, et al.
Proc K Ned Akad Wet [Biol Med] 74:52-9, 1971
Androgen metabolism in human skin. Sommerville IF, et al. Proc R Soc Med 64:845-7, Aug 71
The intranuclear metabolism of testosterone in the accessory organs of reproduction. Wilson JD, et al.
Recent Progr Horm Res 26:309-36, 1970 (32 ref.)
The action of hormone metabolites: a new concept in endocrinology (on the metabolism and the activity of testosterone). Baulieu EE.
Rev Eur Etud Clin Biol 15:723-6, Aug-Sep 70
Further studies of the specificity of the sex hormone-binding globulin of human plasma. Murphy BE. Steroids 16:791-8, Dec 70
The metabolism of testosterone by early chick embryonic blastoderm. Parsons IC.
Steroids 16:59-65, Jul 70
[Complementary studies on the modalities of penetration in vitro of testosterone-3H in the anterior hypophysis, the hypothalamus and the cerebral cortex of normal and castrated rats] Samperez S, et al.
Ann Endocrinol (Paris) 32:31-42, Jan-Feb 71 (Fre)
[Composition of steroids bound to cytoplasmic receptors of the anterior pituitary and hypothalamus after incubation in the presence of testosterone-3H] Jouan P, et al.
C R Acad Sci [D] (Paris) 272:2368-71, 3 May 71 (Fre)
[Transformation of testosterone into dihydrotestosterone by the embryonic testis of mice] Weniger JP, et al.
C R Acad Sci [D] (Paris) 272:852-4, 8 Feb 71 (Fre)
[Metabolism of testosterone by the testis and Wolffian ducts of mouse embryos] Weniger JP, et al.
C R Acad Sci [D] (Paris) 272:1796-8, 29 Mar 71 (Fre)
[Transformation of testosterone into dehydrotestosterone by Wolffian ducts in mice embryo] Weniger JP, et al.
C R Acad Sci [D] (Paris) 271:1307-10, 12 Oct 70 (Fre)
[Historadioautographic study of hormonal gonadohypothalamic retroactions] Warembourg M.
Lille Med 16:507-14, Apr 71 (Fre)
[Plasma transport of androgens and its physiopathologic consequences] Corvol P, et al.
Presse Med 79:1327-30, 12 Jun 71 (Fre)
[Conversion rate of testosterone to dihydrotestosterone and androsterone in the hypophysis, hypothalamus and cortex of the male and female rat] Stahl F, et al.
Acta Biol Med Ger 26:855-8, 1971 (Ger)
[Oxidation of the anabolic substance 1-methyl-androst-1-en-17-beta-ol-3-on by means of hydrogen transfer to estrone. In vitro studies with rat organ slices] Wenzel M.
Acta Endocrinol (Kbh) 67:517-30, Jul 71 (Ger)
[Reduction of testosterone and androst-4en-3,17-dione in experimentally damaged rat liver] Littmann KP, et al. Acta Endocrinol [Suppl] (Kbh) 152:29, 1971 (Ger)
[Studies on the metabolism of testosterone and delta-4-androstendione in the human liver] Engelhardt D, et al.
Klin Wochenschr 49:439-40, 1 Apr 71 (Ger)
[Oxydative-reductive reciprocity between estrogens and androgens in liver sections rats] Pollow K, et al.
Z Naturforsch [B] 26:40-2, Jan 71 (Ger)
[Aspects of the metabolism of androgen and estrogen hormones in males. I. Plasmatic metabolic clearance rate and production rate of testosterone and estradiol in normal subjects] Concolino G, et al.
Folia Endocrinol (Roma) 23:399-411, Aug 70 (Ita)
[Uptake and metabolism of androgens in the prostate and seminal vesicles] Tvetter KJ.
Nord Med 84:1465, 12 Nov 70 (Nor)

PHARMACODYNAMICS

A histochemical study of the effects of castration and testosterone administration on the major salivary glands of Swiss mice. Berkman MD, et al.
Acta Anat (Basel) 76:200-19, 1970
The effect of a new anabolic steroid (29'038-Ba) on the vaginal epithelium of postmenopausal women. Dontas EA. Acta Cytol (Baltimore) 14:595-602, Nov-Dec 70
Effects of neonatally injected non-esterified testosterone on reproductive functions in female rats. Alkiint T, et al.
Acta Endocrinol (Kbh) 66:720-6, Apr 71
Temporal aspects of oestrogen stimulated increases in plasma and pituitary follicle stimulating hormone. Johnson DC. Acta Endocrinol (Kbh) 66:89-98, Jan 71
Action of testosterone and testololactone on isocitric dehydrogenase, aspartate transcarbamylase and gulonate NADP oxidoreductase in the rat in vivo. Van Rymenant ME, et al.
Acta Endocrinol (Kbh) 66:496-502, Mar 71
Action and metabolism of 5 -androstan-3,17-dion on cellular level of target tissues of male rats. Becker H, et al. Acta Endocrinol [Suppl] (Kbh) 155:150, 1971
The time relations of DNA synthesis and mitotic activity in the castrate mouse accessory sex glands after androgen stimulation. Morley AR, et al.
Acta Endocrinol [Suppl] (Kbh) 155:152, 1971
Evidence of a sex-specific effect of testosterone upon L-cystine-aminopeptidase activity, in the hypothalamus of the male rat. Taubert HD, et al.
Acta Endocrinol [Suppl] (Kbh) 155:27, 1971
The effect of testosterone on cell differentiation and proliferation in the castrate mouse small intestine. Wright N, et al.
Acta Endocrinol [Suppl] (Kbh) 155:153, 1971
Effects of erythropoietin and testosterone on erythropoiesis in bone marrow of isolated perfused hind limbs of dogs. Malgor LA, et al.
Acta Haematol (Basel) 43:321-8, 1970
A histochemical and karyometric study on the effect of stilboestrol and testosterone on adrenal cortex of adult male rat. Miętkiewski K, et al.
Acta Histochem (Jena) 38:163-80, 1970
Monoamines and testosterone activated copulatory behaviour in the castrated male rat. Malmnäs CO, et al.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:67, 1970
Changes in the chemical composition of ear cartilage matrix after administration of various steroid hormones. Studies in New Zealand albino rabbits. Kyriazis AP, et al. Am J Pathol 63:149-60, Apr 71
Studies in permeability of articular cartilage in New Zealand albino rabbits. The effect of aging, papain, and certain steroid hormones. Kyriazis AP, et al.
Am J Pathol 62:75-85, Jan 71
Effects of sex hormones on diet-induced atrial thrombosis. Wilson JL, et al.
Anat Rec 168:331-7, Nov 70
Differential effects of testosterone and oestradiol on male courtship in Barbary doves (Streptopelia risoria). Hutchison JB. Anim Behav 18:41-51, Feb 70
More about the testosterone induction of kidney alcohol dehydrogenase activity in the mouse. Ono S, et al. Biochem Genet 4:565-77, Oct 70
A sex-limited serum protein variant in the mouse: hormonal control of phenotypic expression. Passmore HC, et al. Biochem Genet 5:201-9, Apr 71
The effect of prostatic metabolites of testosterone and other substances on the isolated deoxyribonucleic acid polymerase of the canine prostate. Harper ME, et al. Biochem J 119:785-8, Oct 70
Effect of testosterone on the rat adrenal cortical 11 -hydroxylation system. Colby HD, et al.
Biochem Pharmacol 20:803-13, Apr 71
Studies on the regulation of the activity of drug oxidation in rat liver microsomes by androgen and estrogen. Kato R, et al.
Biochem Pharmacol 19:1649-60, May 70
(Na plus minus K+)-APTase in the kidney of normal and castrated mice. Avdalović N, et al.
Biochim Biophys Acta 237:137-40, 20 Apr 71
Extracellular lactate dehydrogenase. Hormonal influences on the oviducal isoenzymes. Georgiev P, et al. Biochim Biophys Acta 222:155-62, 27 Oct 70
Dietary regulation of glycolytic enzymes. X. The effect of oral, intramuscular and conjugated sex steroids on jejunal folate-metabolizing enzyme activities in normal and castrated male and female rats. Stifel FB, et al. Biochim Biophys Acta 222:71-8, 27 Oct 70
Dietary regulation of glycolytic enzymes. IX. The effect of oral, intramuscular and conjugated sex steroids on jejunal glycolytic enzyme activities in normal and castrated male and female rats. Stifel FB, et al.
Biochim Biophys Acta 222:65-70, 27 Oct 70
Dietary regulation of glycolytic enzymes. V. Lack of effect of intramuscularly administered sex steroid on male and female rat jejunum. Stifel FB, et al.
Biochim Biophys Acta 208:368-72, Jun 70
Dietary regulation of glycolytic enzymes. 8. Dose and time response of rat jejunal enzymes to oral sex hormones. Stifel FB, et al.
Biochim Biophys Acta 208:387-93, Jun 70
The influence of age, sex, hypophysectomy and various hormones on the composition of the skin surface lipids of the rat. Hormones and sebum composition in the rat. Nikkari T, et al.
Br J Dermatol 83:459-72, Oct 70
Effect of sex hormones on fasting serum triglycerides in baboons given high-sucrose diets. Coltart TM, et al.
Br J Nutr 25:323-31, May 71
Ultrastructural effects of testosterone on epiphyseal cartilage. Fahmy A, et al.
Calcif Tissue Res 7:12-22, 1971
The effect of androgens on the carbohydrate metabolism of bone. Puche RC, et al.
Calcif Tissue Res 6:133-42, 1970
A time course study of the effects of testosterone on the femoral metaphyses of young mice. Puche RC, et al. Calcif Tissue Res 7:103-7, 1971
SV 40-transformed prostatic carcinoma in the hamster: effect of hormonal manipulation on the growth rate. Abdalla AM, et al. Cancer 27:468-70, Feb 71
Human carcinoma of the breast, in vitro: the effect of hormones. A preliminary report. Burstein NA, et al.
Cancer 27:1112-6, May 71
Hormonal effects on oxygen consumption and histology of submandibular glands of mice (Mus musculus). Wilborn WH. Comp Biochem Physiol 27:357-63, Oct 68
Androgen insensitivity in male pseudohermaphrodite rats. Allison JE, et al. Endocrinology 89:615-7, Aug 71
Effects of melatonin on changes induced by castration and testosterone in sexual structures of male rats. Debeljuk L, et al. Endocrinology 87:1358-60, Dec 70
Effect of a single prepubertal injection of testosterone propionate on adult bisexual behavior of male hamsters castrated at birth. Eaton G.
Endocrinology 87:934-40, Nov 70
Effects of testosterone propionate and estradiol benzoate--alone or in combination--on serum LH and FSH in orchidectomized rats. Gay VL, et al.
Endocrinology 89:161-8, Jul 71
Androgenic regulation of nucleic acid and protein synthesis in the hamster flank organ and other tissues. Giegel JL, et al.
Endocrinology 89:904-9, Sep 71
Experimental congenital lipoid adrenal hyperplasia: prevention of anatomic defects produced by aminoglutethimide. Goldman AS.
Endocrinology 87:889-93, Nov 70
Influence of gonadectomy and replacement with estradiol or testosterone on formation of 5 alpha-reduced metabolites of corticosterone by the adrenal gland of the rat. Kitay JI, et al.
Endocrinology 87:1257-65, Dec 70
Plasma luteinizing hormone dynamics in pregnant mare serum-induced ovulators as measured by radioimmunoassay: influence of testosterone. Klawon DL, et al. Endocrinology 88:1131-5, May 71
Effect of testosterone and insulin in vitro on maintenance and repair of the secretory epithelium of the mouse prostate. Lostroh AJ.
Endocrinology 88:500-3, Feb 71
Distribution of 3H-estradiol in clomiphene-treated and neonatally androgenized rats. Maurer R, et al.
Endocrinology 88:1281-7, Jun 71
Effect of estrogen and anti-estrogen on reproductive function in neonatally androgenized female rats. Napoli AM, et al. Endocrinology 87:1330-7, Dec 70
Effects of prenatal androgen treatment on mating behavior in female hamsters. Nucci LP, et al.
Endocrinology 88:1514-5, Jun 71
Absence of androgen stimulation of hepatic steroid sulfatase in the female rat. Schneider G, et al.
Endocrinology 89:308-10, Jul 71
Plasma LH and FSH levels in the androgen insensitive pseudohermaphroditic rat: responses to steroid administration. Sherins RJ, et al.
Endocrinology 88:763-70, Mar 71
Preputial gland growth and protein synthesis in the androgen-insensitive male pseudohermaphroditic rat. Sherins RJ, et al. Endocrinology 89:835-41, Sep 71
Dissociation of anabolic and androgenic properties of steroids by anti-anabolic and anti-androgenic agents in rats. Steinetz BG, et al.
Endocrinology 89:894-6, Sep 71
Distribution and metabolism of 3H-testosterone in castrated male rats; effects of cyproterone, progesterone and unlabeled testosterone. Stern JM, et al. Endocrinology 88:1117-25, May 71
Effects of testosterone and estrogen on the ascorbic acid biosynthesis in the kidney of toad (Bufo melanostictus). Biswas NM.
Endokrinologie 56:248-50, 1970
Mode of action of steroid hormones on deoxyribonucleic acid. Yamafuji K, et al.
Enzymologia 40:259-64, 30 Apr 71
The effects of aflatoxin B1 on the sex-specific binding of steroid hormones to microsomal membranes of rat liver. Blyth CA, et al. Eur J Biochem 20:580-6, 29 Jun 71
A possible process of the secondary sterilization: delayed anovulation syndrome. Aral Y.
Experientia 27:463-4, 15 Apr 71
Danazol--a synthetic steroid derivative with interesting physiologic properties. Dmowski WP, et al.
Fertil Steril 22:9-18, Jan 71
Clinical studies with an antigonadotropin-Danazol. Greenblatt RB, et al. Fertil Steril 22:102-12, Feb 71
The effect of testosterone on the weight and fructose

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

contents of the accessory glands in males of two inbred strains of mice and their F1 hybrids. Marchlewska-Koj A.
Folia Biol (Krakow) 18:221-30, 1970
Experimental investigations of the rat small intestine following castration and testosterone administration. Książkiewicz-Szapiro.
Folia Histochem Cytochem (Krakow) 8:369-88, 1970
The effect of large doses of testosterone propionate on some histochemical reactions in seminal vesicles in the rat. Limanowski A, et al.
Folia Histochem Cytochem (Krakow) 8:389-401, 1970
Neonatal androgen administration and adult aggressiveness in female mice. Bronson FH, et al.
Gen Comp Endocrinol 15:320-5, Oct 70
Effect of castration and testosterone treatment on fiber width of the flexor carpi radialis muscle in the male frog (Rana temporaria L.). Muller ER, et al.
Gen Comp Endocrinol 13:275-84, Oct 69
Effects of testosterone propionate and dicumarol on plasma prothrombin rate and serum cholesterol level in capons and orchiectomized rats. Raheja KL, et al.
Gen Comp Endocrinol 16:385-90, Apr 71
A cytological study of the pars distalis of pituitary gland of normal, gonadectomized, and gonadectomized steroid hormone-treated green frog, Rana esculenta L. Rastogi RK, et al.
Gen Comp Endocrinol 15:247-63, Oct 70
Endocrine effects of castration in white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 17:105-14, Aug 71
Effects of salmon pituitary gonadotropin, ovine luteinizing hormone, and testosterone on the testes and seminal vesicles of hypophysectomized catfish, Heteropneustes fossilis (Bloch). Sundararaj BI, et al.
Gen Comp Endocrinol 17:73-82, Aug 71
Effect of androgens on histochemical fibre type. Differentiation in the temporal muscle of the guinea pig. Gutmann E, et al. Histochemie 24:287-91, 1970
Isozyme variations in human cells grown in vitro. 3. Hormonal influence on amino acid naphthylamidases in HeLa cells. Beckman L, et al.
Hum Hered 19:593-600, 1969
Effect of 17-beta-estradiol and testosterone on aryl hydrocarbon hydroxylase activity in mouse tissues in vivo and in cell culture. Nebert DW, et al.
Int J Cancer 6:470-80, 15 Nov 70
A nonmineralized concretion in the urogenital tract of the male rat. Bruss ML, et al.
Invest Urol 8:254-60, Nov 70
Action of testosterone on nucleic acids of rat liver subcellular fractions. Corti A, et al.
Ital J Biochem 19:277-83, Jul-Aug 70
Effects of oral melengestrol acetate and a testosterone-diethylstilbestrol implant, breed and age on growth and carcass traits of beef heifers. Glimp HA, et al. J Anim Sci 32:957-61, May 71
Effects of infused testosterone on mental performances and serum LH. Klaiber EL, et al.
J Clin Endocrinol Metab 32:341-9, Mar 71
Studies on steroid fever. II. Pyrogenic and anti-pyrogenic activity in vitro of some endogenous steroids of man. Dillard GM, et al.
J Clin Invest 49:2418-26, Dec 70
Nature of sex hormone effects on rat sex behavior: specificity of effects and individual patterns of response. Pfaff D.
J Comp Physiol Psychol 73:349-58, Dec 70
The "early androgen syndrome" in the guinea-pig. Brown-Grant K, et al. J Endocrinol 49:277-91, Feb 71
Effect of testosterone on protein synthesis and contractility of the levator ani muscle of the rat. Buresová M, et al. J Endocrinol 50:643-51, Aug 71
The androgenic response of the genital accessory organs of thyroxine-treated and castrated rats exposed to cold. Das RP, et al.
J Endocrinol 49:591-8, Apr 71
The effects of thyrotrophic hormone and of thyroxine on the response of the sebaceous glands of the rat to testosterone. Ebling FJ, et al.
J Endocrinol 48:83-90, Sep 70
The response of the sebaceous glands of hypophysectomized-castrated male rats to adrenocorticotrophic hormone and to testosterone. Ebling FJ, et al. J Endocrinol 48:73-81, Sep 70
Effects of hypothalamic implants of gonadal steroids on courtship behaviour in Barbary doves (Streptopelia risoria). Hutchison JB. J Endocrinol 50:97-113, May 71
Effects of gonadectomy and testosterone replacement on the viability of epididymal spermatozoa in the golden hamster (Mesocricetus auratus). Lubicz-Nawrocki C, et al. J Endocrinol 48:22-3, Sep 70
The effect of testosterone treatment on the uptake of [3H] oestradiol-17 beta by dimethylbenzanthracene-induced rat mammary tumours. Mobbs BG. J Endocrinol 48:293-4, Oct 70
RNA synthesis in the rat anterior hypothalamus and pituitary: relation to neonatal androgen and the oestrous cycle. Salaman DF.
J Endocrinol 48:125-37, Sep 70
Transplacental influence of androgen upon ovulatory mechanisms in the rat. Smith WN.
J Endocrinol 48:477-8, Nov 70
The effect of hypophysectomy on the response of the sebaceous gland to testosterone propionate. Thody AJ, et al. J Endocrinol 49:329-33, Feb 71
Increased sebum secretion in adult female rats after neonatal treatment with testosterone propionate. Thody AJ, et al. J Endocrinol 49:677-81, Apr 71
The effect of neonatal administration of sex hormones on the turnover of hepatic microsomal phospholipid in male and female rats. Toh YC.
J Endocrinol 49:659-65, Apr 71
The effect of testosterone on the growth fraction of the mouse small intestine. Wright NA, et al.
J Endocrinol 50:351-2, Jun 71
The mechanism of endocrine influences on erythropoiesis. Peschle C, et al.
J Lab Clin Med 78:20-9, Jul 71
Prostatic hyperplasia and neoplasia in female Praomys (Mastomys) natalensis. Holland JM.
J Natl Cancer Inst 45:1229-36, Dec 70
Changes in the concentration of luteinizing hormone in plasma of rams following administration of oestradiol, progesterone or testosterone. Bolt DJ.
J Reprod Fertil 24:435-8, Mar 71
The effects of testosterone, oestradiol and pregnant mare serum gonadotrophin on growth and enzyme activity in the rat testis. Elkington JS, et al.
J Reprod Fertil 23:1-10, Oct 70
Testosterone propionate during gestation in the rabbit: effect on subsequent maternal behaviour. Fuller GB, et al. J Reprod Fertil 23:285-90, Nov 70
The effect of testosterone propionate on ovarian activity in sheep. Radford HM, et al.
J Reprod Fertil 24:439-40, Mar 71
The effects of testosterone and dihydrotestosterone on the comb, testis, and pituitary gland of the male fowl. Zeller FJ. J Reprod Fertil 25:125-7, Apr 71
Testosterone in premature babies and its effect on sexual development. Polishuk WZ, et al.
Lancet 1:344, 13 Feb 71
Factors involved in the time-lag of testosterone on the sugar transport in the rat levator ani muscle. Bergamini E, et al. Life Sci [II] 10:649-54, 8 Jun 71
Effect of testosterone on renal and hepatic L-gulonolactonase activities in male, female and pseudohermaphroditic rats. Grossman SH, et al.
Life Sci [II] 10:175-80, 8 Feb 71
Effect of testosterone on nuclear phosphoproteins of rat ventral prostate. Ahmed K, et al.
Mol Pharmacol 7:323-7, May 71
A quantitative study of spermatogenesis in androgen-treated hypophysectomized rats. Matsuyama S, et al.
Natl Inst Anim Health Q (Tokyo) 11:46-52, Spring 71
Effect of steroids on the cycling of haemopoietic stem cells. Byron JW. Nature (Lond) 228:1204, 19 Dec 70
Sex specific binding of steroid hormones to microsomal embranes of rat liver. Blyth CA, et al.
Nature [New Biol] 230:137-9, 31 Mar 71
Testosterone-"regulon" in the mouse kidney. Dofuku R, et al. Nature [New Biol] 232:5-7, 7 Jul 71
Role for steroid hormones in the interaction of ribosomes with the endoplasmic membranes of rat liver. Sunshine GH, et al.
Nature [New Biol] 230:133-6, 31 Mar 71
Neonatal androgen effects on sexual and non-sexual behavior of adult rats tested under various hormone regimes. Pfaff DW, et al.
Neuroendocrinology 7:129-45, 1971
The effect of testosterone on chemical carcinogenesis in the buccal pouches of castrated and intact male hamsters. Polliack A, et al.
Pathol Microbiol (Basel) 35:348-54, 1970
Discrimination performance in male chicks treated embryonically with testosterone. Morris DM, et al.
Poult Sci 50:289-91, Jan 71
Morphological transformation of Chinese hamster cells by dibutyryl adenosine cyclic 3':5'-monophosphate and testosterone. Hsie AW, et al.
Proc Natl Acad Sci USA 68:358-61, Feb 71
Further changes in differentiation state accompanying the conversion of Chinese hamster cells of fibroblastic form by dibutyryl adenosine cyclic 3':5'-monophosphate and hormones. Hsie AW, et al.
Proc Natl Acad Sci USA 68:1648-52, Jul 71
Vitamin C in lymphoid organs of rats and cockerels treated with corticosterone or testosterone. Dieter MP, et al. Proc Soc Exp Biol Med 137:341-6, May 71
Acute effects of testosterone propionate upon RNA synthesis in mouse kidney. Frieden EH, et al.
Proc Soc Exp Biol Med 137:1110-4, Jul 71
The influence of thymectomy and steroid hormones in neonatal rats. Zbuzkova V, et al.
Proc Soc Exp Biol Med 135:874-7, Dec 70
Biochemical modulations of the transcephalic direct current circuit in humans. Cowen MA.
Psychiatr Q 44:408-21, 1970
Detection of 17 beta-hydroxy-5 alpha-androstan-3-one-3H following administration of testosterone-3H in the androgen dependent mouse tumor, Shionogi carcinoma 115. Yamaguchi K, et al.
Steroids 17:345-55, Mar 71
The role of microenvironmental factors in hematologic response of mice exposed to 1000 R "split-dose" irradiation and testosteron treatment. Hajdukovic S.
Strahlentherapie 141:464-71, Apr 71
Testosterone protection against the lethal factor in grafts of the mouse submandibular gland. Lin CD, et al. Toxicon 9:299-300, Jul 71
Stimulation of mammalian erythropoiesis by metabolites of steroid hormones. Levere RD, et al.
Trans Assoc Am Physicians 83:150-8, 1970
The use of hormone administrations in commercial beef production in the U.K. Kilkenny JB, et al.
Vet Rec 87:734-6, 12 Dec 70
The influence of castration and oestradiol treatment on tumor transplantation immunity in mice. Peter HH, et al. Z Krebsforsch 74:207-18, 1970
[The effect of synthetic estrogens and testosterone on the liver and kidney in rats reated with carbon tetrachloride] Kiutukchiev B, et al.
Akush Ginekol (Sofiia) 9:283-93, 1970 (Bul)
[Influence of testosterone on the contraction speed of striated muscles] Gutmann E, et al.
Cesk Fysiol 19:229-32, Dec 70 (Cze)
[Adenohypophyseal hypertrophy in rats after estrogen: interaction with testosterone] Schreiber V, et al. Sb Lek 73:49-56, Feb 71 (Cze)
[Action of testosterone on RNA synthesis by male accessory organs] Van Rymenant M, et al.
Arch Int Physiol Biochim 79:212-3, Jan 71 (Fre)
[Morphological and functional changes in the early human trophoblast under the action of intensive treatment by ACTH, cortisone or testosterone] Badarau L, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:309-10, 1968 (Fre)
[Aggressive behavior in anosmic male mice treated with a synthetic androgen] Haug M.
C R Acad Sci [D] (Paris) 272:3188-90, 21 Jun 71 (Fre)
[Influence of daily injection of testosterone on the development of adenohypophysis of normal or castrated impuberal rats] Nguyen-Thi-Phuong, et al.
C R Acad Sci [D] (Paris) 271:1442-5, 19 Oct 70 (Fre)
[Sex factors and resistance to hypoxia] Stupfel M, et al.
C R Acad Sci [D] (Paris) 272:1120-2, 22 Feb 71 (Fre)
[Development of the Wolffian duct in the mouse embryo cultivated in vitro in the presence of dihydrotestosterone] Weniger JP, et al.
C R Acad Sci [D] (Paris) 271:2367-9, 21 Dec 70 (Fre)
[Androgens and mammary embryogenesis] Jean C, et al. J Physiol (Paris) 1:Suppl 1:139, 1969 (Fre)
[Antiproliferative and necrosing action of adrenocortical and ovarian steroids on the invasive trophoblast of the placenta of the female rat] Badarau L, et al. Rev Fr Gynecol Obstet 63:95-113, Mar 68 (Fre)
[A comparative study of the hematological and tissue effects of testosterone administered to male rats by percutaneous or by subcutaneous routes] Aschkenasy A. Therapie 25:1025-46, Nov-Dec 70 (Fre)
[The influence of testosterone and cyproterone acetate on the mitosis rate, nucleic acid metabolism and the histomorphology of the vesicular glands in rats] Dahnke HG, et al.
Acta Endocrinol [Suppl] (Kbh) 152:35, 1971 (Ger)
[Changes in nuleic acid concentrations in some organs of growing male rats and their influencing by cyproterone acetate and testosterone] Scheuer A, et al. Acta Endocrinol [Suppl] (Kbh) 152:34, 1971 (Ger)
[Further topochemical enzyme studies of hormone-induced metaplasia in the epithelium of the rat vagina] Goslar HG, et al.
Acta Histochem (Jena) 39:217-29, 1971 (Ger)
[Hormonal influence on oxidative metabolism of experimental ovarian tumors in the rat studied in vitro] Hacki H, et al.
Arch Gynaekol 209:71-85, 1970 (Ger)
[Utilization of glucose and amino acids in muscle under the influence of anabolic hormones] Fischer U, et al.
Endokrinologie 57:69-80, 1970 (Ger)
[The action of testosterone propionate on the formation of precipitating antibodies against human serum albumin] Oberdorfer A, et al.
Hoppe Seylers Z Physiol Chem 352:555-8, Apr 71 (Ger)
[The effect of testosterone, methenolone, somatotropic hormone, adrenal cortex hormones and octapeptide hormones on the iron incorporation rate in polycythemic mice] Essers U, et al.
Med Welt 6:205-7, 6 Feb 71 (Ger)
[Effect of testosterone on the lymphatic and hematopoietic systems of the rat] Frey-Wettstein M, et al.
Schweiz Med Wochenschr 100:1984-6, 14 Nov 70 (Ger)
[Direct effect of testosterone on the rat ovary] Behr W.
Zentralbl Gynaekol 93:113-8, 23 Jan 71 (Ger)
[The behavior of alkaline phosphatase in blood, liver, kidney and intestine in experimental hepatopathy, caused by carbon tetrachloride, treated with testosterone] Cicchini T.
Arch Ital Sci Med Trop Parassitol 50:289-98, Nov-Dec 69 (Ita)
[Comparative studies of the effects of testosterone propionate and of 4-chlorotestosterone acetate on phagocytic activity] Fiori GP, et al.
Arch Sci Med (Torino) 126:500-4, Aug 69 (Ita)
[Relationships between salivary glands and endocrine glands. II. Effect of exogenous testosterone on the deoxycytidylate-amino-hydrolase content of the parotid gland of the albino rat] Stefano CM, et al.
Arch Stomatol (Napoli) 9:283-9, Jul-Sep 68 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Relationships between salivary glands and endocrine glands. I. Effects of exogenous testosterone on the parotid gland of the albino rat] Stefano CM, et al. Arch Stomatol (Napoli) 9:31-58, Jan-Mar 68 (Ita)

[Extraction of messenger RNA from the submaxillary gland of the mouse treated with testosterone] De Campora E.
Boll Mal Orecch Gola Naso 88:153-7, 1970 (Ita)

[Effect of testosterone, estradiol, progesterone, and their derivatives on the release of ACTH] De Lorenzi PP, et al. Minerva Ginecol 21:1474-7, 15 Nov 69 (Ita)

[2-formyl-11-alpha-hydroxy-delta 1-methyltestosterone: a new anabolic water-soluble steroid] Gomarasca M.
Minerva Med 62:842-5, 28 Feb 71 (Ita)

[Fluctuation of lipid metabolism in the adipose tissue and its sensitivity to hormones in aging. 2. Effects of hormones on lipid metabolism in the adipose tissue in aging] Takada H.
Acta Paediatr Jap 75:30-8, 1 Jan 71 (Jap)

[Effect of castration and testosterone on the activity of respiratory enzymes in rat's liver] Beskid M, et al.
Endokrynol Pol 22:39-47, Jan-Feb 71 (Pol)

[Influence of testosterone on aspartate carbamoyltransferase (EC 2.1.3.2) in the liver and kidney of the rat] Tarnawski R, et al.
Endokrynol Pol 21:439-43, Jul-Aug 70 (Pol)

[Hormonal regulation of the activity of some ornithine-cycle enzymes] Zak T, et al.
Endokrynol Pol 22:49-54, Jan-Feb 71 (Pol)

[Effect of testosterone on ribonuclease activity] Maiolepszy E, et al. Przegl Lek 27:289-91, 1971 (Pol)

[Comparative study of the effect of estrogens and androgens on RNA biosynthesis in the rat uterus] Iudaev NA, et al. Biokhimiia 35:72-8, 1970 (Rus)

[Estrogen and androgen induction of biosynthesis of nuclear and cytoplasmic RNA by the rat uterus: double-label studies] Iudaev NA, et al.
Biokhimiia 36:380-7, Mar-Apr 71 (Rus)

[The effect of ACTH, corticosteroids and sex hormones on the blood coagulating system] Seffulla RD, et al.
Biull Eksp Biol Med 65:67-70, Apr 68 (Rus)

[Effect of hydrocortisone, desoxycorticosterone-acetate, testosterone-propionate and estradiol-dipropionate on the dynamics of glycine-1-C 14 incorporation into subcellular fractions of liver cells] Sergeev PV, et al.
Biull Eksp Biol Med 72:36-8, Jul 71 (Rus)

[The effect of thyroxine and methylthiouracil on the gonadotropic reaction and ability of androgen to stimulate regeneration of cocks' combs] Vunder PA, et al. Biull Eksp Biol Med 68:93-6, Aug 69 (Rus)

[Study of the mechanism of action of DL-19-nor-D-homotestosterone on the formation of interferon in a cell culture] Zeftlenok NA, et al.
Biull Eksp Biol Med 69:108-10, Mar 70 (Rus)

[Effect of estrogens and androgens on the reproductive system and sexual behavior of female dogs] Antonov VV. Fiziol Zh SSSR 57:124-5, Jan 71 (Rus)

Effect of sex hormones on methionine S35 incorporation into protein of kidneys with compensatory hyperfunction of one kidney] Shmakov IuG. Ukr Biokhim Zh 41:167-9, 1969 (Rus)

[Effect of testosterone propionate on the mobility of nervous processes in dogs of a different type of nervous system after castration] Tikhomirova LD, et al. Fiziol Zh 16:113-5, Jan-Feb 70 (Ukr)

PHYSIOLOGY

Physical and chemical studies of sperm production. Bruce WR, et al. Can Med Assoc J 103:885-8, 17 Oct 70

The effect of sex steroids on the liver glycogen in intact and adrenalectomized rats. Avdalović N.
Pfluegers Arch 326:211-22, 1971

[The influence of sex hormones on sexual pelvis differentiation in gonadectomized rabbits on the basis of radiostereoscopic photogrammetric studies] Kirchhoff H, et al.
Geburtshilfe Frauenheilkd 28:523-7, Jun 68 (Ger)

SECRETION

Disorders of androgen metabolism in women. Bardin CW. Conn Med 35:237-41, Apr 71

The hormonal effects of antiandrogen (SH-714) treatment in man. Schoonees R, et al.
Invest Urol 8:635-9, May 71

Follicle-stimulating hormone and the regulation of testosterone secretion in rabbit testes. Johnson BH, et al. Science 173:635-7, 13 Aug 71

[Does the embryonal testis of the chick secrete testosterone?] Weniger JP.
Arch Anat Histol Embryol (Strasb) 53:97-105, 1970 (Fre)

[Action of chorionic gonadotropin on the testicular secretion of testosterone] Rivarola MA, et al.
Rev Argent Endocrinol Metab 14:164-5, Sep 68 (Spa)

[An XY eunuchism syndrome with preserved spermatogenesis and normal secretion of FSH, ICSH and testosterone. Preliminary report] Del Pozo E.
Rev Iber Endocrinol 16:393-6, Sep-Oct 69 (Spa)

THERAPEUTIC USE

Treatment of vulvar dystrophies with topical testosterone propionate. Zelle K.
Am J Obstet Gynecol 109:570-3, 15 Feb 71

Testosterone for anemia in maintenance dialysis. Mayer PP, et al. Br Med J 3:373, 7 Aug 71

Testosterone therapy for anaemia in maintenance dialysis. Shaldon S, et al. Br Med J 3:212-5, 24 Jul 71

Androgen therapy in advanced carcinoma of the prostate. Morales A, et al.
Can Med Assoc J 105:71-2, 10 Jul 71

Hormonal therapy in advanced renal cell carcinoma. Wagle DG, et al. Cancer 28:318-21, Aug 71

Effect of anti-oestrogens on initiation of mammary cancer in the female rat. Terenius L.
Eur J Cancer 7:65-70, Feb 71

Clinical studies with an antigonadotropin-Danazol. Greenblatt RB, et al. Fertil Steril 22:103-12, Feb 71

Testosterone enanthate as an adjuvant in the management of advanced cancer patients. Lahiri SR, et al. J Med (Basel) 2:1-12, 1971

Topical testosterone for benign vulvar dystrophy. Friedrich EG Jr. Obstet Gynecol 37:877-86, May 71

[Drug therapy of arterial insufficiency in the lower extremities] Sevelsted H, et al.
Ugeskr Laeger 133:803-4, 30 Apr 71 (Dan)

[Effects of testosterone on the adipo-muscular ratio in eunuchoid males] Vague J, et al.
Ann Endocrinol (Paris) 29:370-6, May-Jun 68 (Fre)

[Treatment of delay of growth with anabolizing steroids] Albeaux-Fernet M, et al.
Annee Endocrinol 32:213-9, 1970 (Fre)

[Hormone treatment of breast cancer in the advanced phase] Demol R. Brux Med 48:665-9, Oct 68 (Fre)

[Hormones and genital cancer in women] Muller P, et al.
Probl Actuels Endocrinol Nutr 13:269-300, 1969 (Fre)

[The modalities of necrosis of the invading trophoblast under the influence of androgenic hormones in a case of chorioadenoma destruens with metastases and a case of chorioepithelioma treated with testosterone] Badarau L, et al.
Rev Fr Gynecol Obstet 66:275-83, Apr 71 (Fre)

[Hormone therapy of breast cancer] Franchimont P.
Rev Med Liege 25:303-7, 1 May 70 (Fre)

[Combination of androgens and corticosteroids in the treatment of acquired bone marrow aplasias] Perugini S, et al.
Schweiz Med Wochenschr 100:1982-4, 14 Nov 70 (Fre)

[Inhibition of growth?] Bierich JR.
Munch Med Wochenschr 113:866, 28 May 71 (Ger)

[Results of a cyclophosphamide therapy in genital and mammary carcinomas] Naumann R.
Zentralbl Gynaekol 92:700-2, 30 May 70 (Ger)

[Changes induced with testosterone in some indices of erythropoiesis in a case of intermediate thalassemia] Izzo P, et al.
Boll Soc Ital Biol Sper 46:639-43, 15 Aug 70 (Ita)

[Use of an anabolizing cream in the healing process of the simple cervix erosion (personal study)] Recchioni RM. Minerva Ginecol 21:1491-4, 15 Nov 69 (Ita)

[On the treatment of losses of continuity of the skin with 4-chlorotestosterone acetate and neomycin sulfate] Barberis ML, et al.
Minerva Med 61:5241-6, 17 Nov 70 (Ita)

[The effect of protein-anabolic steroids on neutropoiesis in children] Braito A, et al.
Minerva Pediatr 21:917-26, 19 May 69 (Ita)

[Idiopathic marrow aplasia. Long-term evaluation of androgen therapy] Mori PG, et al.
Minerva Pediatr 21:1561-5, Aug 69 (Ita)

[Clinico-statistical study of the effectiveness of a cutaneous topical preparation with anabolic and antibiotic action] Esposito C.
Rass Int Clin Ter 50:491-7, 30 Apr 70 (Ita)

[Effect of thyroid and testosterone administration on dental caries in the rat] De Tomasi A.
Rass Trimest Odontoiatr 51:147-52, Jul-Sep 70 (Ita)

[EEG of Klinefelter's syndrome with psychiatric disorders, and the effect of testosterone treatment] Takei H.
Psychiatr Neurol Jap 72:983-1021, Oct 70 (Jap)

[Hormonal shifts during testosterone therapy of patients with dysfunctional hemorrhage] Aronovich AS. Akush Ginekol (Mosk) 46:31-4, Oct 70 (Rus)

[Pathogenesis and hormonal prophylaxis of experimental dyshormonal mammary gland diseases] Dmitriev VN.
Biull Eksp Biol Med 70:90-2, Nov 70 (Rus)

[A method of testing the antitumor effectiveness of drugs on induced rat mammary gland cancer] Beskrovnyf AM. Vopr Onkol 16:82-6, 1970 (Rus)

[17-ketosteroid changes in breast cancer during testosterone propionate treatment] Mindlin SS, et al.
Vopr Onkol 16:17-20, 1970 (Rus)

[Primary inhibition of laction. Comparative study] Ruiz Velasco V, et al.
Ginecol Obstet Mex 29:491-503, May 71 (Spa)

[Iron and androgens in the treatment of anemia in periodic hemodialysis] Valderrábano Quintana F, et al. Rev Clin Esp 121:173-6, 30 Apr 71 (Spa)

[Clinical aspects and treatment of Klinefelter's syndrome] Del Pozo E.
Rev Iber Endocrinol 15:529-55, Sep-Oct 68 (Spa)

[Effect of androgens on energetic processes in muscle tissue in uterine fibromoma] Shevniuk LA.
Pediatr Akush Ginekol 2:58-60, 1971 (Ukr)

URINE

Urinary testosterone glucuronide as a measure of endogenous testosterone production. Goldzieher JW, et al. Acta Endocrinol (Kbh) 67:371-83, Jun 71

The effect of metopirone on the urinary excretion of testosterone and epitestosterone in normal males treated with HCG or cyproterone and in hirsute females. Tamm J, et al.
Acta Endocrinol (Kbh) 67:151-8, May 71

Determination of testosterone and delta 4-androstenedione by means of displacement analysis. Stöa KF, et al.
Ann Endocrinol (Paris) 31:Suppl 4:817+, 1970

Endocrine function in male and female homosexuals. Loraine JA, et al. Br Med J 4:406-9, 14 Nov 70

Endocrine function in homosexuals. Ryrie CG, et al.
Br Med J 4:685, 12 Dec 70

Diurnal variations in the levels of plasma and urinary androgens. Okamoto M, et al.
J Clin Endocrinol Metab 32:846-51, Jun 71

Urinary excretion of testosterone and epitestosterone and plasma levels of LH and testosterone in the Japanese and Ainu. Okamoto M, et al.
J Clin Endocrinol Metab 32:673-4, May 71

Testosterone and the 17-oxosteroids excreted by a prepubertal boy with an adrenal tumour. Galal OM, et al. J Egypt Med Assoc 53:63-70, 1970

Endocrine function in male and female homosexuals. Ismail AA, et al. J Endocrinol 48:xxxvi+, Dec 70

The measurement of oestradiol and testosterone in urine by protein-binding. Moxham A, et al.
J Endocrinol 46:3-3, Feb 70

Androgen patterns in a case of hilar cell hyperplasia of the ovary. MacRae DJ, et al.
J Obstet Gynaecol Br Commonw 78:741-5, Aug 71

Gas chromatographic determination of urinary testosterone and epitestosterone glucuronide. Futterweit W, et al.
Mt Sinai J Med NY 38:281-3, May-Jun 71

Steroid excretion in molar pregnancy and early hormone-induced pregnancy. Macnaughton MC, et al.
Proc R Soc Med 63:1087-8, Nov 70

[Determination of testosterone in urine by the method of competitive steroid binding on the specific protein] Hampl R, et al.
Cas Lek Cesk 110:531-5, 1971 (Cze)

[Determination of urinary testosterone and epitestosterone in male hypogonadism and hirsutism] Mahoudeau JA, et al.
Ann Endocrinol (Paris) 31:585-97, Jul-Aug 70 (Fre)

[Urinary excretion of testosterone and gonadotropins stimulating interstitial cells (ICSH) in persons exposed to carbon disulfide] Cavalieri A, et al.
Arch Mal Prof 31:23-30, Jan-Feb 70 (Fre)

[Hormonal and electron microscopic studies of nasopharyngeal fibromas] Albrecht R, et al.
Acta Otolaryngol (Stockh) 71:133-9, Feb-Mar 71 (Ger)

[Urinary testosterone excretion in men after administration of cyproterone and chorionic gonadotropin] Winkler K.
Arch Klin Exp Dermatol 239:65-9, 1970 (Ger)

[Excretion of estrogens and testosterone following administration of dehydroepiandrosterone sulfate] Oertel GW, et al.
Arzneim Forsch 20:1865-6, Dec 70 (Ger)

[Determination of hormone production by the boar testis for assigment of parameters evaluating the state of endocrine function] Busch W, et al.
Endokrinologie 57:125-38, 1970 (Ger)

[Excretion of testosterone, epitestosterone and androstenedione before and after HCG administration in normal men and patients with primary and secondary hypogonadism] Hubi W, et al.
Endokrinologie 58:63-74, 1971 (Ger)

[Testosterone excretion inanorexia nervosa] Graef V, et al. Klin Wochenschr 49:881, 1 Aug 71 (Ger)

[Gas chromatographic determination of urinary testosterone] Curtius HC, et al.
Z Klin Chem Klin Biochem 8:221-4, May 70 (Ger)

[Urinary excretion of testosterone in Stein-Leventhal's syndrome] Neri V, et al.
Folia Endocrinol (Roma) 23:373-80, Aug 70 (Ita)

[Urinary excretion of testosterone in patients with skin diseases and genital tumors and breast tumors] Calandra P. G Ital Dermatol 45:533-8, Sep 70 (Ita)

[Method for the simultaneous estimation of urinary testosterone and epitestosterone by gas chromatography and evaluation of the results] Okamoto M, et al.
Folia Endocrinol Jap 46:908-17, Nov 70 (Jap)

[Clinical studies on the secretion and metabolism of testosterone using radioactive testosterone. I. Fundamental experiments and studies in normal male adults] Yamada S.
Jap Arch Intern Med 18:119-28, 1971 (Jap)

[Clinical studies on the secretion and metabolism of testosterone using radioactive testosterone. II.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Studies in the patients with various endocrine disorders and hepatic diseases] Yamada S.
Jap Arch Intern Med 18:129-33, 1971 (Jap)

TETANUS (C1)

see also related
TRISMUS (C10)

Neonatal tetanus. Majumdar H, et al.
Indian Pediatr 8:145-51, Apr 71
Tetanus after dental procedures: review of literature and report of case. Richter KJ.
J Oral Surg 29:589-91, Aug 71 (19 ref.)
Some aspects of tetanus based on observations in East Anglia 1928--1969. Cole L.
Nurs Times 66:1623-4, 17 Dec 70
Tetanus. Smith JW. Tex Med 66:52-5, Sep 70
[A case of tetanus in the third generation] Uro J, et al.
Ann Med Interne (Paris) 121:941-2, Nov 70 (Fre)
[Umbilical tetanus: clinical and therapeutic study] Iiter O, et al.
Ann Pediatr (Paris) 17:141-5, 2 Feb 70 (Fre)
[Third international congress on tetanus]
Lyon Med 225:341-6, 28 Feb 71 (Fre)
[Tetanus. Generalities; clinical study, diagnosis and therapy] Delboy C. Mars Med 108:43-53, 1971 (Fre)
[The treatment of tetanus at the intensive care station] Nachtwey W. Hefte Unfallheilkd 99:79-87, 1969 (Ger)
[Effective tetanus prophylaxis and optimal therapy] Schwarz G, et al.
Z Allgemeinmed 46:1445-52, 20 Oct 70 (Ger)
[Analysis of 13 cases of tetanus] Burgazlioğlu N, et al.
Tip Fak Mecm 32:713-35, 1969 (Tur)

BLOOD

[C-reactive protein in patients with tetanus] Iamkovof IP. Klin Med (Mosk) 47:101-4, Sep 69 (Rus)

COMPLICATIONS

Myositis ossificans--a complication of tetanus. Femi-Pearse D, et al. Clin Radiol 22:89-92, Jan 71
Fatal tetanus with brain-stem involvement and myocarditis in an ex-serviceman. Murphy KJ.
Med J Aust 2:542-4, 19 Sep 70
[Atypical course of localized tetanus of the head] Bejček Z, et al. Cesk Stomatol 71:75-80, Mar 71 (Cze)
[Evolutive chronic polyarthritis. Tetanus, septicemia and cholecystitis caused by Candida. 2 months of intensive care followed by cure] Huguenard P, et al.
Ann Med Interne (Paris) 122:619-22, May 71 (Fre)
[A case of Stevens-Johnso yndrome developed after tetanus] Aubry P, et al.
Med Trop (Mars) 30:708-13, Sep-Oct 70 (Fre)
[Cardiac involvement in tetanus] Drost R, et al.
Anaesthesist 19:109-12, Mar 70 (Ger)
[Tetanus in ulcus cruris] Müller W.
Zentralbl Phlebol 10:99-101, 1971 (Ger)

DIAGNOSIS

Some clinical observations on neonatal tetanus. Phatak AT, et al. Indian Pediatr 8:35-9, Jan 71
[Atypical course of localized tetanus of the head] Bejček Z, et al. Cesk Stomatol 71:75-80, Mar 71 (Cze)
[Early diagnosis of tetanus near term; living fetus. Cesarean section in view of an intensive and prolonged resuscitation. Recovery] Pire JC, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:197-9, Apr-May 70 (Fre)
[Electrodiagnostic findings in local tetanus in man] Leven B, et al.
Dtsch Med Wochenschr 96:1245-9, 23 Jul 71 (Ger)
[Neurophysiologic studies on a case of localized chronic tetanus] Caccia MR.
Schweiz Arch Neurol Neurochir Psychiatr 107:1-13, 1970 (Ger)
[Local tetanus] Shcherbakova EK, et al.
Oftalmol Zh 25:624-5, 1970 (Rus)

DRUG THERAPY

Treatment of tetanus in tropical Africa: a comparison between a barbiturate and diazepam in the treatment of non-neonatal tetanus. Norredam K, et al.
Ann Soc Belg Med Trop 50:239-46, 1970
Oxime treatment in tetanus. Leonardi G.
Lancet 2:658-9, 18 Sep 71
The effect of diazepam on tetanus. Tjoen LW, et al.
Paediatr Indones 10:248-58, Nov-Dec 70
Amobarbital chloropromazine in the treatment of tetanus neonatorum. Salimpour R.
Trop Geogr Med 23:131-4, Jun 71
[Epidemiologic, clinical and therapeutic considerations on treatment of tetanus in relation to the experience of the medical resuscitation clinic of the Hôpital Claude-Bernard in Paris] Vic-Dupont.
Rev Med Liege 25:721-6, 15 Nov 70 (Fre)
[Dangerous increase in serum potassium following succinylcholine administration] Roth F, et al.
Anaesthesist 20:35-8, Jan 71 (Ger)
[Simultaneous vaccination of tetanus patients, using homologous antibodies] Stirnemann H.
Chirurg 41:228-31, May 70 (Ger)
[Tetanus of newborn infants in Nigeria. Report on the therapeutic results in 30 cases during 1966-1968] Kieninger G, et al. Med Welt 15:609-13, 10 Apr 71 (Ger)
[Use of human immunoglobulin in tetanus] Burkhardt G, et al. Zentralbl Chir 95:180-4, 7 Feb 70 (Ger)
[Gamma-OH as a sedative during tetanus] Consorti P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:929-34, 1968 (Ita)
[Preliminary trials and therapeutic results of subarachnoid administration of anti-tetanus human immunoglobulins] Rossano C, et al.
Minerva Anestesiol 36:725-7, Nov 70 (Ita)
[Results of tetanus treatment with human specific immunoglobulins] Rossano C, et al.
Minerva Anestesiol 37:87-93, Feb 71 (Ita)
[On the treatment of tetanus: methyldiazepinone as a sedating drug] Di Nola F, et al.
Minerva Med 62:1625-34, 18 Apr 71 (Ita)
[Treatment of tetanus: methyldiazepinone as a sedative drug] Di Nola F, et al.
Minerva Med 62:1625-34, 18 Apr 71 (Ita)
[Use of diazepam in the treatment of tetanus] Tanaka N, et al. Jap J Anesthesiol 19:1279-83, Oct 70 (Jap)
[Intracisternal administration of tetanus antitoxin in experimental tetanus intoxication] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 71:38-42, May 71 (Rus)
[The relaxing effect of the sarcoplasmic reticulum under normal conditions and in experimental local tetanus] Lipskaia TIu.
Biull Eksp Biol Med 66:56-8, 1968 (Rus)
[Treatment of tetanus in the newborn] Bedran D, et al.
Arch Argent Pediatr 68:366-7, Dec 70 (Spa)

ENZYMOLOGY

[Experimental data concerning various biochemical disorders in tetanus] Markelov IM, et al.
Biull Eksp Biol Med 66:53-6, 1968 (Rus)

ETIOLOGY

Tetanolysin: in-vivo effects in animals. Hardegree MC, et al. J Infect Dis 123:51-60, Jan 71
Physician liable for death from tetanus following finger laceration. Seolas L von. J Kans Med Soc 72:37, Jan 71
Postabortal and postpartum tetanus. Adadevoh BK, et al. J Obstet Gynaecol Br Commonw 77:1019-23, Nov 70
[A case of tetanus after colectomy] Devic G.
Lyon Chir 67:216-8, May-Jun 71 (Fre)
[Knee wound--a tetanus infection] Schmiedeskamp RH. Aesthet Med (Berl) 18:219-21, 20 Nov 69 (Ger)
[Operative wound management--antibiotics--tetanus prophylaxis] Ehalt W.
Monatsschr Unfallheilkd 72:80-3, Feb 69 (Ger)

IMMUNOLOGY

A nationwide serum survey of Argentinian military recruits, 1965-1966. I. Description of sample and antibody patterns with arboviruses, polioviruses, respiratory viruses, tetanus and treponematosis. Evans AS, et al. Am J Epidemiol 93:111-21, Feb 71
Immunization against neonatal tetanus in New Guinea. 3. The toxin-neutralization test and the response of guinea-pigs to the toxoids as used in the immunization schedules in New Guinea. Barile MF, et al.
Bull WHO 43:453-9, 1970
Immunization against neonatal tetanus in New Guinea. Hardegree MC, et al. Bull WHO 43:439-51, 1970
Immunization against neonatal tetanus in New Guinea. 4. Comparison of tetanus antitoxin titres obtained by haemagglutination and toxin neutralization in mice. Hardegree MC, et al. Bull WHO 43:461-8, 1970
Immunization against neonatal tetanus in New Guinea. 5. Laboratory assayed potency of tetanus toxoids and relationship to human antitoxin response. Pittman M, et al. Bull WHO 43:469-78, 1970
The differences in immunizing capacity between various tetanus toxoids in active-passive immunization with human antitoxin. Cohen H, et al.
Progr Immunobiol Stand 4:527-32, 1970
Recurrent tetanus. Spenney JG, et al.
South Med J 64:859 passim, Jul 71
Titration of tetanus and diphtheria antibodies by means of hemagglutination test, using freeze-dried sensitized sheep erythrocytes. Kyselová M, et al.
Z Immunitaetsforsch Allerg Klin Immunol 139:228-35, Apr 70
Inoculation with D(diphtheria), P(pertussis), T(tetanus), M(measles) or DPTMV(vaccinia) combined vaccine. Sagawa I, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:440-56, Nov 70
[Value of national standards in the control of standardization of diphtheria and tetanus anatoxins. Conditions of measurement in international units and immunogenic value of tetanus anatoxin for guinea pigs and mice] Demian L, et al.
Arch Roum Pathol Exp Microbiol 28:297-302, Jun-Sep 69 (Fre)
[Evolution, evaluation, duration and renovation of antitoxic immunity. 3. The renovation of immunities] Nicol L.
Bull Acad Nati Med (Paris) 155:260-7, 1971 (Fre)
[Vaccination with calcium phosphate adsorbed antigens] Relyveld EH, et al.
Progr Immunobiol Stand 4:540-7, 1970 (Fre)
[Active immunization against tetanus] Saenger S.
Harefuah 78:253-4, 1 Mar 70 (Heb)
[Experimental study of the problem of the immunizability of the aged. I. Active anti-tetanus immunization experiments] Del Campo A, et al.
Ann Sanita Pubblica 31:23-36, Jan-Feb 70 (Ita)
[Recurrent tetanus] Louzada JL, et al.
Hospital (Rio de J) 78:1109-14, Oct 70 (Por)
[Immunity against diphtheria, tetanus and whooping cough. Serological control of 2 campaigns of triple vaccination] Ruiz Merino J.
Rev Sanid Hig Publica (Madr) 44:649-57, Jun 70 (Spa)

METABOLISM

Fluid and electrolyte status in tetanus. Holloway R.
Lancet 2:1278-80, 19 Dec 70
[Problems of artificial feeding in patients with severe forms of tetanus] Zátko K, et al.
Rozhl Chir 50:215-22, Apr 71 (Cze)
[The distribution and elimination of intralumbarly administered homologous tetanus antitoxin. Immunological and physico-chemical studies of the cerebrospinal fluid and serum of tetanus patients after lumbar administration of human tetanus hyperimmune globulin] Auerswald W, et al.
Klin Wochenschr 48:1312-4, 1 Nov 70 (Ger)
[Experimental data concerning various biochemical disorders in tetanus] Markelov IM, et al.
Biull Eksp Biol Med 66:53-6, 1968 (Rus)
[Changes in the catecholamine content of tissues in experimental tetanus] Mikhaĭlov VV, et al.
Biull Eksp Biol Med 71:20-4, Jan 71 (Rus)

MORTALITY

Inhibition of transplantable tumour cells by tetanus spores. Schneeweiss U, et al.
Arch Geschwulstforsch 35:1-5, 1970
Mortality and sex difference of tetanus in Japan. Ebisawa I. Jap J Exp Med 41:21-9, Feb 71
[Tetanus--still a disease with bad prognosis?] Stirnemann H, et al. Chirurg 41:363-5, Aug 70 (Ger)
[Problems in tetanus prophylaxis] Ehalt W.
Monatsschr Unfallheilkd 72:457-63, Nov 69 (Ger)
[Various cases of tetanus without mortality] Larios Pérez R.
Rev Esp Anestesiol Reanim 17:784-9, Oct 70 (Spa)
[Mortality in tetanus] Byström J, et al.
Nord Med 86:875-6, 22 Jul 71 (Swe)

OCCURRENCE

Changing incidence of fatal tetanus of the newborn. A retrospective study in a defined rural Haitian populations. Berggren WL, et al.
Am J Trop Med Hyg 20:491-4, May 71
Retrospective analysis of tetanus in Puerto Rico (1967-68). Ratner LH, et al.
Bol Asoc Med PR 62:22-9, Jan 70
The nigerian neurological profile. Dada TO.
Dis Nerv Syst 31:746-55, Nov 70
Tetanus in the United States, 1968 and 1969. Buchanan TM, et al. J Infect Dis 122:564-7, Dec 70
The epidemiology of tetanus in Lebanon. Abou-Daoud KT. J Med Liban 23:253-62, 1970
Umbilical tetanus in Brazil. Pederneiras MP, et al.
Lancet 1:1134, 29 May 71
[Reflections of tetanus in adults in Cotonou. Apropos of 353 cases] Labegorre J, et al.
Med Trop (Mars) 29:702-10, Nov-Dec 69 (Fre)
[Problem of tetanus occurrence and the need for tetanus immunization] Hajduk F, et al.
Dtsch Gesundheitsw 25:408-10, 5 Mar 70 (Ger)
[Epidemiology of tetanus in the Ukraine] Morgunov IN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:3-7, Apr 71 (Rus)
[Epidemiology of tetanus with special reference to tetanus in newborn infants] Colaković B.
Med Glas 23:76-80, May-Aug 69 (Cro)

PATHOLOGY

[Cytoplasmic vacuoles in human anterior horn cells in tetanus] Müller HA, et al.
Virchows Arch [Pathol Anat] 353:87-98, 1971 (Ger)

PHYSIOPATHOLOGY

[Neurophysiologic studies on a case of localized chronic tetanus] Caccia MR.
Schweiz Arch Neurol Neurochir Psychiatr 107:1-13, 1970 (Ger)
[Neurophysiologic considerations of a case of localized chronic tetanus] Caccia MR.
Schweiz Arch Neurol Neurochir Psychiatr 107:1-13, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Electrocardiographic findings in tetanus patients treated with curare and subjected to intermittent positive respiration. Observations on 4 cases] Fassio PG, et al. G Mal Infett Parassit 21:834-42, Nov 69 (Ita)
[Morphofunctional characteristics of the state of spinal motor neuron synapses in tetanus intoxication] Gefnisman IuIa, et al.
Biull Eksp Biol Med 63:71-5, Nov 67 (Rus)
[Hyperpolarizing effect of glycine on tetanus motor neurons] Gushchin IS, et al.
Biull Eksp Biol Med 70:29-32, Aug 70 (Rus)
[Descending facilitating and inhibiting effects from the medulla oblongata on monosynaptic reflexes in tetanus intoxication] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 70:34-9, Jul 70 (Rus)
[Spinal cord dorsal potentials in rats with the convulsive syndrome in ascending tetanus] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 70:25-9, Aug 70 (Rus)
[Inhibiting and facilitating influences from the medulla oblongata in tetanus intoxication] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 66:9-14, Nov 68 (Rus)
[Participation of acetylcholine in the mechanism of axoplasm transport disruption in thick myelinated nerve fibers in experimental botulism and tetanus] Mikhaĭlov VV, et al.
Biull Eksp Biol Med 67:48-51, Jun 69 (Rus)
[The relation between disruptions in axoplasm transport and changes in the functional properties of individual myelinated nerve fibers in tetanus] Mikhaĭlov VV, et al.
Biull Eksp Biol Med 65:40-3, Apr 68 (Rus)

PREVENTION & CONTROL

Tetanus toxoid immunization of adults: a continuing need. Brooks GF, et al. Ann Intern Med 73:603-6, Oct 70
Experimental data on the efficiency of antitetanus active immunization under the conditions of a haemorrhagic shock. Bittner J, et al.
Arch Roum Pathol Exp Microbiol 28:429-36, Jun-Sep 69
Suggestion for tetanus prophylaxis. Sanders RK. Br Med J 4:117, 10 Oct 70
Immunization against neonatal tetanus in New Guinea. 3. The toxin-neutralization test and the response of guinea-pigs to the toxoids as used in the immunization schedules in New Guinea. Barile MF, et al.
Bull WHO 43:453-9, 1970
Immunization against neonatal tetanus in New Guinea. Hardegree MC, et al. Bull WHO 43:439-51, 1970
Immunization against neonatal tetanus in New Guinea. 4. Comparison of tetanus antitoxin titres obtained by haemagglutination and toxin neutralization in mice. Hardegree MC, et al. Bull WHO 43:461-8, 1970
Experiences with a new combined vaccine against B. parapertussis, diphtheria, tetanus and B. pertussis employed in a field trial in Prague 10. Buriánová-Vysoká B, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:481-7, 1970
Immunization against tetanus in cases of otitis media and dental sepsis. Rana MK.
J Indian Med Assoc 55:293, 16 Oct 70
Studies in experimental tetanus infection. Smith JW, et al. J Med Microbiol 2:385-93, 4 Nov 69
Tetanus: by 1980, a disease of only historical significance in the United States of America. Furste W. J Trauma 10:831-8, Oct 70
Tetanus prophylaxis in the United States. Furste W. Ohio State Med J 66:1212, Dec 70
The titration of tetanus toxoid (plain). Barnes JM, et al.
Progr Immunobiol Stand 4:533-9, 1970
The prevention and treatment of tetanus in the burn patient. Sherman RT.
Surg Clin North Am 50:1277-81, Dec 70 (11 ref.)
Mass immunisation with tetanus toxoid using a multiple jet injector gun. Oyediran AB, et al.
West Afr Med J 20:237-9, Apr 71
[Current interpretation of tetanus prevention] Kiranov I. Khirurgiia (Sofiia) 22:468-74, 1969 (Bul)
[Immunogenic property of tetanus anatoxins of various degrees of purity and polymerization] Bizzini B, et al.
Ann Inst Pasteur (Paris) 120:791-9, Jun 71 (Fre)
[Antidiphtheric-antitetanic vaccination by anatoxins adsorbed on calcium phosphate with 2 injections at 1 year intervals] Cabau N, et al.
Ann Inst Pasteur (Paris) 119:663-70, Nov 70 (Fre)
[Immunization by aerosols. VII. Vaccination of baboons by lyophilized tetanus anatoxin and by a mixture of tetanus and diphtheria anatoxin] Fontanges R, et al.
Ann Inst Pasteur (Paris) 120:831-48, Jun 71 (Fre)
[On antidiphtheric, antitetanic and antipoliomyelitic vaccinations in France in the years 1965-1966] Martin-Bouyer G, et al.
Bull Inst Natl Sante Rech Med 24:277-89, Mar-Apr 69 (Fre)
[Vaccination against diphtheria, tetanus and poliomyelitis in France. 1967] Martin-Bouyer G, et al.
Bull Inst Natl Sante Rech Med 25:831-52, Jul-Aug 70 (Fre)
[Prevention of tetanus]
Cah Anesthesiol 19:201-9, Mar 71 (Fre)
[Prevention of tetanus] Jeannet E.
Rev Med Suisse Romande 89:1091-6, Nov 69 (Fre)
[Problem of tetanus occurrence and the need for tetanus immunization] Hajduk F, et al.
Dtsch Gesundheitsw 25:408-10, 5 Mar 70 (Ger)
[Protection due to vaccination after tetanus immunization] Haas R.
Dtsch Med Wochenschr 95:2205, 23 Oct 70 (Ger)
[Problems of instant tetanus immunization] Harrfeldt HP. Hefte Unfallheilkd 99:299-302, 1969 (Ger)
[Re-vaccination in accident injuries] Harrfeldt HP.
Monatsschr Unfallheilkd 74:53-6, Feb 71 (Ger)
[Use of human anti-tetanus hyperimmunoglobulin] Eckmann L.
Schweiz Med Wochenschr 100:1656-7, 26 Sep 70 (Ger)
[Preventive vaccinations] Itri GB.
Ann Med Nav (Roma) 74:617-21, Sep-Oct 69 (Ita)
[Elementary prescriptions for the prevention and therapy of tetanus] Fanelli V.
Clin Ter 48:581-5, 31 Mar 69 (Ita)
[Anti-tetanus vaccination] Cadrobbi P.
G Mal Infett Parassit 22:281-2, Apr 70 (Ita)
[Reactions and complications caused by preventive vaccinations] Del Campo A.
G Mal Infett Parassit 22:249-63, Apr 70 (Ita)
[Immunological prevention of tetanus in hospitals: practical notes] Di Rocco P. Ig Mod 63:38-46, 1970 (Ita)
[On prevention of tetanus] Bernasconi A, et al.
Minerva Ortop 21:413-6, Jun-Jul 70 (Ita)
[Antitetanus prophylaxis and therapy] Ulivelli A, et al.
Riv Clin Pediatr 81:1159-62, Nov-Dec 68 (Ita)
[Prevention of tetanus] Sakurai N, et al.
J Jap Med Assoc 65:1498-505, 15 Jun 71 (Jap)
[Effect of protective vaccinations on the epidemiologic situation of tetanus in Poland in the years 1965-1969] Anusz Z, et al. Przegl Epidemiol 25:11-7, 1971 (Pol)
[The protective dose of antitoxin in experimental tetanus] Bychenko BD, et al.
Biull Eksp Biol Med 69:72-4, Jun 70 (Rus)
[Reactions to adsorbed pertussis-diphtheria-tetanus vaccine] Zakharova MS, et al.
Pediatriia 50:65-8, Jan 71 (Rus)
[Effectiveness of aerosol revaccination against tetanus in relation to the schemes and methods of primary immunization] Egorova NB, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:90-4, Jan 71 (Rus)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)
[The immunologic reactivity of children and maternal antibodies] Levi MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:74-9, Aug 70 (Rus)
[Experience in the use of small doses of diphtheria-tetanus toxoid in planned revaccination of 11-year-old children] Manvelova MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:31-3, May 71 (Rus)
[Experience in differentiating the tolerogenic and immunogenic properties of antitetanus globulin] Obrezha GN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:126-9, May 71 (Rus)
[Incidence of tatanus among the vaccinated] Poddubnyĭ VA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:140-1, Nov 70 (Rus)
[Effect of passive maternal antibodies on the results of vaccination of young children] Sokhin AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:117-23, May 71 (Rus)
[State of immunity against diphtheria, tetanus and whooping cough with interrupted immunization schedule with AKDS vaccine] Tokarevich TK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:42-6, Feb 71 (Rus)
[Reactivity and immunogenicity of adsorbed pertussis-diphtheria-tetanus vaccine with lowered component doses. II. Immunological effectiveness of the diphtheria, tetanus and pertussis components] Tufmedova RA.
Zh Mikrobiol Epidemiol Immunobiol 48:39-42, Feb 71 (Rus)
[Antitetanic immunization] Olivieri FO.
Arch Argent Pediatr 68:43-4, Mar 70 (Spa)
[Pilot experience with tetanus toxoid produced by the Instituto Bacteriológico de Chile] Ledermann GW, et al. Rev Chil Pediatr 42:139-42, Feb 71 (Spa)

THERAPY

Tetanus neonatorum. Agrawal SL.
Indian J Pediatr 37:590-2, Nov 70
Double-blind trial of equine antitoxin and human immune globulin in tetanus neonatorum. McCracken GH Jr, et al. Lancet 1:1166-9, 5 Jun 71
[Place of assisted respiration in the treatment of infectious diseases (poliomyelitis excepted)] Giroud M, et al.
Rev Corps Sante Armees 9:763-73, Dec 68 (Fre)
[Experiences in the treatment of 163 cases of tetanus at the Surgical University Clinic in Wurzburg, 1946-1969] Weis KH, et al. Anaesthesist 19:112-6, Mar 70 (Ger)
[Intensive therapy in tetanus] Roth F, et al.
Ther Umsch 27:763-71, Nov 70 (Ger)
[A case of grave tetanus in a child] Pacelli L, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:149+, 1969 (Ita)
[Hyperbaric oxygenation for infectious diseases] Robert L, et al.
Clin Ter 55:257-69, 15 Nov 70 (71 ref.) (Ita)
[Therapeutic case of severe tetanus] Mori S, et al.
Iryo 24:727-30, Sep 70 (Jap)
[Case of severe tetanus successfully treated with extended respiratory care] Furuya Y, et al.
Jap J Anesthesiol 20:448-52, May 71 (Jap)
[Treatment of an acute case of tetanus] Inagaki M, et al.
Jap J Anesthesiol 19:1499-504, Dec 70 (Jap)
[Treatment of severe tetanus in the ICU system] Tahara I, et al.
Surg Ther (Osaka) 23:587-90, Nov 70 (Jap)
[Contemporary methods of tetanus treatment] Wolko K. Pol Przegl Chir 43:123-6, Jan 71 (15 ref.) (Pol)

VETERINARY

Tetanus in horses. Brook D. Vet Rec 87:700-1, 28 Nov 70
Tetanus in cattle. Hindson JC. Vet Rec 88:82-3, 16 Jan 71
The incidence of tetanus. Vidler BM.
Vet Rec 88:134-5, 30 Jan 71
[Active tetanus prevention in the horse and the duration of immunity] Löhrer J, et al.
Schweiz Arch Tierheilkd 112:307-14, Jul 70 (Ger)
[An unusual foreign body in a horse as the cause of colic and, presumably, tetanus infection] Laber G.
Wien Tieraerztl Monatsschr 57:344-6, Oct 70 (Ger)
[Prevention of hypomagnesemia in cows] Petukhova EA. Veterinariia 11:85-6, Nov 70 (Rus)

TETANUS ANTITOXIN (D12)

[Elementary prescriptions for the prevention and therapy of tetanus] Fanelli V.
Clin Ter 48:581-5, 31 Mar 69 (Ita)
[Anti-tetanus immunoglobulin from retroplacental serum] Karavanov AG, et al.
Klin Khir 12:24-8, Dec 70 (Rus)
[The mechanism of the Danysz phenomenon] Mikhaĭlov IF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:29-32, Aug 70 (Rus)

ADMINISTRATION & DOSAGE

[The distribution and elimination of intraiumbarly administered homologous tetanus antitoxin. Immunological and physico-chemical studies of the cerebrospinal fluid and serum of tetanus patients after lumbar administration of human tetanus hyperimmune globulin] Auerswald W, et al.
Klin Wochenschr 48:1312-4, 1 Nov 70 (Ger)
[Operative wound management--antibiotics--tetanus prophylaxis] Ehalt W.
Monatsschr Unfallheilkd 72:80-3, Feb 69 (Ger)
[The protective dose of antitoxin in experimental tetanus] Bychenko BD, et al.
Biull Eksp Biol Med 69:72-4, Jun 70 (Rus)
[Intracisternal administration of tetanus antitoxin in experimental tetanus intoxication] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 71:38-42, May 71 (Rus)

ADVERSE EFFECTS

[Death following anaphylactic reaction to an antibiotic and-or to equine tetanus antitoxin] Harrfeldt HP.
Monatsschr Unfallheilkd 74:342-3, 1971 (Ger)

ANALYSIS

[Method of preparation and analysis of purified anti-tetanus gamma globulins from hyperimmune bovine serum] Piazzi SE.
Progr Immunobiol Stand 4:114-20, 1970 (Ita)
[Amino acid composition of heavy and light chains of 7S diphtheria and tetanus antitoxins and 7S non-immune T-globulin isolated from serum of the same horse] Raĭkher II, et al. Biokhimiia 35:932-6, Sep-Oct 70 (Rus)

ANTAGONISTS & INHIBITORS

Synergism in immunosuppression. I. Effect of methylprednisolone, azathioprine, chlorambucil, and radiation on tetanus antitoxin production. Friedman EA, et al. Transplantation 11:479-86, May 71

BIOSYNTHESIS

Tetanus antitoxin production and gamma globulin levels in patients with cirrhosis of the liver. Bjorneboe M, et al. Acta Med Scand 188:541-6, Dec 70
[Experimental study of the problem of the immunizability of the aged. I. Active anti-tetanus immunization experiments] Del Campo A, et al.
Ann Sanita Pubblica 31:23-36, Jan-Feb 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Formation of antitetanus immunity in trauma] Matveev KI, et al. Khirurgiia (Mosk) 46:113-8, Sep 70 (Rus)
[Several problems in obtaining anti-tetanus gamma globulin from blood donors revaccinated with purified adsorbed tetanus anatoxin] Papko GF, et al. Probl Gematol Pereliv Krovi 15:25-8, Nov 70 (Rus)

BLOOD

[Immunizing potency of diphtheria-tetanus-pertussis trivaccine relative to quantitative variations in the antigenic constituents. 3. Immunizing properties of diphtheria and tetanus anatoxins] Stănică E, et al. Arch Roum Pathol Exp Microbiol 28:211-8, Mar 69 (Fre)
[Recurrent tetanus] Louzada JL, et al. Hospital (Rio de J) 78:1109-14, Oct 70 (Por)

ISOLATION & PURIFICATION

Application of DEAE-Sephadex A-50 for additional purification of antitoxic sera. Hristova G. Progr Immunobiol Stand 4:99-103, 1970
[Isolation of diphtheria and tetanus antitoxins from a bivalent serum obtained from a single producer] Rafkher II, et al. Zh Mikrobiol Epidemiol Immunobiol 48:113-6, Apr 71 (Rus)

METABOLISM

[The distribution and elimination of intralumbarly administered homologous tetanus antitoxin. Immunological and physico-chemical studies of the cerebrospinal fluid and serum of tetanus patients after lumbar administration of human tetanus hyperimmune globulin] Auerswald W, et al. Klin Wochenschr 48:1312-4, 1 Nov 70 (Ger)

PHARMACODYNAMICS

The differences in immunizing capacity between various tetanus toxoids in active-passive immunization with human antitoxin. Cohen H, et al. Progr Immunobiol Stand 4:527-32, 1970

RADIATION EFFECTS

Synergism in immunosuppression. I. Effect of methylprednisolone, azathioprine, chlorambucil, and radiation on tetanus antitoxin production. Friedman EA, et al. Transplantation 11:479-86, May 71

STANDARDS

Assay of human tetanus immune globulin. Eibl H, et al. Progr Immunobiol Stand 4:145-8, 1970

THERAPEUTIC USE

Comparative trial of three heterologous anti-tetanus sera. Sinclair IS, et al. J Hyg (Camb) 69:201-7, Jun 71
Studies in experimental tetanus infection. Smith JW, et al. J Med Microbiol 2:385-93, 4 Nov 69
Double-blind trial of equine antitoxin and human immune globulin in tetanus neonatorum. McCracken GH Jr, et al. Lancet 1:1146-9, 5 Jun 71
[Problems in tetanus prophylaxis] Ehalt W. Monatsschr Unfallheilkd 72:457-63, Nov 69 (Ger)
[Use of human immunoglobulin in tetanus] Burkhardt G, et al. Zentralbl Chir 95:180-4, 7 Feb 70 (Ger)
[Immunological prevention of tetanus in hospitals: practical notes] Di Rocco P. Ig Mod 63:38-46, 1970 (Ita)

TETANUS TOXIN (D12)

[Cardiac involvement in tetanus] Drost R, et al. Anaesthesist 19:109-12, Mar 70 (Ger)
[Morphofunctional characteristics of the state of spinal motor neuron synapses in tetanus intoxication] Gefnisman IuIa, et al. Biull Eksp Biol Med 63:71-5, Nov 67 (Rus)
[Hyperpolarizing effect of glycine on tetanus motor neurons] Gushchin IS, et al. Biull Eksp Biol Med 70:29-32, Aug 70 (Rus)
[An immunohistochemical study of antitoxic immunity in mice under hypoxia] Kaplanskiĭ AS, et al. Biull Eksp Biol Med 66:90-2, 1968 (Rus)
[Antitoxin neutralization of tetanus toxin bound to cerebral substance] Kryzhanovskiĭ GN, et al. Biull Eksp Biol Med 70:63-5, Sep 70 (Rus)
[The mechanism of the Danysz phenomenon] Mikhaĭlov IF, et al. Zh Mikrobiol Epidemiol Immunobiol 47:29-32, Aug 70 (Rus)

ADMINISTRATION & DOSAGE

[Measles vaccination with attenuated and live vaccine simultaneously with use of teh ADTP vaccine containing parapertussis component] Adam E, et al. Cesk Epidemiol Mikrobiol Imunol 20:109-12, Mar 71 (Cze)

ANALYSIS

Chemical characterization of tetanus toxin and toxoid. Amino acid composition, number of SH and S-S groups and N-terminal amino acid. Bizzini B, et al. Eur J Biochem 17:100-5, Nov 70

BIOSYNTHESIS

[Toxinogenesis of Plectridium tetani] Vinet G, et al. Can J Microbiol 16:1067-70, Nov 70 (Fre)

PHARMACODYNAMICS

The effect of tetanus toxin on boutons terminaux. Illis LS, et al. Brain Res 18:283-95, 3 Mar 70
Experimental studies on the interaction of tetanus toxin and toxoid. Jayasingh RS, et al. J Assoc Physicians India 18:491-6, May 70
Sympathomimetic action of tetanus toxin. Reddy PP, et al. J Pharm Pharmacol 22:464, Jun 70
Effect of tetanus toxin in the goldfish. Diamond J, et al. J Physiol (Lond) 210:186P+, Sep 70
The effect of tetanus toxin in the goldfish. Diamond J, et al. J Physiol (Lond) 215:727-41, Jul 71
Further studies on the sympathomimetic action of tetanus toxin. Sanyal RK, et al. Jap J Pharmacol 21:317-23, Jun 71
Some general rules governing fate and action of polypeptide and protein drugs, as derived from investigations with staphylococcal alpha-toxin, tetanus toxin, and so-calledd crotoxin. Habermann E. Naunyn Schmiedebergs Arch Pharmakol 269:124-35, 1971
Tetanus toxin and muscle relaxation. Francois C. Toxicon 8:247-8, Sep 70
[Plasma glucocorticoids after antitetanus vaccination in rabbits] Busila VT, et al. G Mal Infett Parassit 21:844-7, Nov 69 (Ita)
[Presynaptic nature of the extinction by tetanus toxin of postsynaptic inhibition] Gushchin IS, et al. Dokl Akad Nauk SSSR 187:685-8, 21 Jun 69 (Rus)

TOXICITY

The influence of certain lipids and proteins on the effect of tetanus toxin in mice. Pound AW. J Med Microbiol 3:411-26, Aug 70

TETANUS TOXOID (D12)

Experimental data on the efficiency of antitetanus active immunization under the conditions of a haemorrhagic shock. Bittner J, et al. Arch Roum Pathol Exp Microbiol 28:429-36, Jun-Sep 69
Diphtheria and tetanus toxoids. Smith JW. Br Med Bull 25:177-82, May 69 (111 ref.)
Primary and secondary immune responses of sheep to tetanus toxoid. Roberts RS, et al. J Comp Pathol 81:249-53, Apr 71
[Evolution, evaluation, duration and renovation of antitoxic immunity. 3. The renovation of immunities] Nicol L. Bull Acad Natl Med (Paris) 155:260-7, 1971 (Fre)
[Combination vaccination in children's homes with regard to measles vaccination] Schmöger R, et al. Med Klin 66:194-8, 5 Feb 71 (Ger)
[Endoplasmatic reticulum in peripheral lymphocytes after specific in vitro stimulation with tetanus toxoid and tuberculin] Nagy G, et al. Z Immunitaetsforsch Allerg Klin Immunol 141:258-64, 1971 (Ger)
[Elementary prescriptions for the prevention and therapy of tetanus] Fanelli V. Clin Ter 48:581-5, 31 Mar 69 (Ita)
[On prevention of tetanus] Bernasconi A, et al. Minerva Ortop 21:413-6, Jun-Jul 70 (Ita)
[Influence of adjuvants on the effecs of diphtheria and tetanus toxoids] Murata R. Jap J Bacteriol 25:429-30, Sep 70 (Jap)
[Formation of antitetanus immunity in trauma] Matveev KI, et al. Khirurgiia (Mosk) 46:113-8, Sep 70 (Rus)
[Several problems in obtaining anti-tetanus gamma globulin from blood donors revaccinated with purified adsorbed tetanus anatoxin] Papko GF, et al. Probl Gematol Pereliv Krovi 15:25-8, Nov 70 (Rus)
[Response immunologic reaction of children to revaccination against diphtheria, whooping cough and tetanus during convalescence following infectious hepatitis] Khulamkhanova MT, et al. Vopr Okhr Materin Det 16:79-80, Feb 71 (Rus)
[Flocculation zones of tetanus antigens] Khaustova IM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:86-8, Nov 70 (Rus)
[Comparative evaluation of the immunologic effectiveness of AKDC vaccine with various quantitative levels of components in primary immunization in children] Kheifets LB, et al. Zh Mikrobiol Epidemiol Immunobiol 47:134-40, Apr 70 (Rus)
[Experience in the use of small doses of diphtheria-tetanus toxoid in planned revaccination of 11-year-old children] Manvelova MA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:31-3, May 71 (Rus)
[State of immunity against diphtheria, tetanus and whooping cough with interrupted immunization schedule with AKDS vaccine] Tokarevich TK, et al. Zh Mikrobiol Epidemiol Immunobiol 48:42-6, Feb 71 (Rus)
[Stability of dry adsorbed pertussis-diphtheria-tetanus vaccine] Tseligorova NS, et al. Zh Mikrobiol Epidemiol Immunobiol 48:130-6, Mar 71 (Rus)
[Reactivity and immunogenicity of adsorbed pertussis-diphtheria-tetanus vaccine with lowered component doses. II. Immunological effectiveness of the diphtheria, tetanus and pertussis components] Tufmedova RA. Zh Mikrobiol Epidemiol Immunobiol 48:39-42, Feb 71 (Rus)
[Antitetanic immunization] Olivieri FO. Arch Argent Pediatr 68:43-4, Mar 70 (Spa)
[Pilot experience with tetanus toxoid produced by the Instituto Bacteriológico de Chile] Ledermann GW, et al. Rev Chil Pediatr 42:139-42, Feb 71 (Spa)

ADMINISTRATION & DOSAGE

Tetanus toxoid immunization of adults: a continuing need. Brooks GF, et al. Ann Intern Med 73:603-6, Oct 70
Simultaneous immunization with B.C.G., diphtheria-tetanus, and oral poliomyelitis vaccines in children aged 13-14. Galbraith NS, et al. Br Med J 2:193-7, 24 Apr 71
Immunization against neonatal tetanus in New Guinea. Hardegree MC, et al. Bull WHO 43:439-51, 1970
Mass immunisation with tetanus toxoid using a multiple jet injector gun. Oyediran AB, et al. West Afr Med J 20:237-9, Apr 71
[Immunogenic property of tetanus anatoxins of various degrees of purity and polymerization] Bizzini B, et al. Ann Inst Pasteur (Paris) 120:791-9, Jun 71 (Fre)
[Antidiphtheric-antitetanic vaccination by anatoxins adsorbed on calcium phosphate with 2 injections at 1 year intervals] Cabau N, et al. Ann Inst Pasteur (Paris) 119:863-70, Nov 70 (Fre)
[Immunization by aerosols. VII. Vaccination of baboons by lyophilized tetanus anatoxin and by a mixture of tetanus and diphtheria anatoxin] Fontanges R, et al. Ann Inst Pasteur (Paris) 120:831-48, Jun 71 (Fre)
[Problems of instant tetanus immunization] Harrfeldt HP. Hefte Unfallheilkd 99:299-302, 1969 (Ger)
[Tetanus vaccination: adverse effects in diverse vaccination sites and mode of administration] David D, et al. Schweiz Med Wochenschr 101:1055-6, 24 Jul 71 (Ger)
[Effect of protective vaccinations on the epidemiologic situation of tetanus in Poland in the years 1965-1969] Anusz Z, et al. Przegl Epidemiol 25:11-7, 1971 (Pol)
[Effectiveness of aerosol revaccination against tetanus in relation to the schemes and methods of primary immunization] Egorova NB, et al. Zh Mikrobiol Epidemiol Immunobiol 48:90-4, Jan 71 (Rus)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al. Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)
[Diphtheria vaccination with tetanus vaccine "with addition of diphtheria toxoid"] Rabo E, et al. Lakartidningen 67:5344-5, 11 Nov 70 (Swe)

ADVERSE EFFECTS

[Problem of allergic reactions after active tetanus immunization] Vogt HJ, et al. Dtsch Med Wochenschr 96:290-3, 12 Feb 71 (Ger)
[Accommodation paresis and swallowing paralysis following tetanus toxoid booster inoculation] Harrer G, et al. Wien Med Wochenschr 121:296-7, 10 Apr 71 (Ger)
[Panarteritis nodosa after diphteria tetanus vaccination and influence of gluten containing nutritive factors] Domula E, et al. Z Haut Geschlechtskr 45:655-61, 1 Oct 70 (Ger)
[Reactions to adsorbed pertussis-diphtheria-tetanus vaccine] Zakharova MS, et al. Pediatriia 50:85-8, Jan 71 (Rus)
[Study of reactions to the Di-Te-A1 vaccine for adults] Petrović R. Srp Arh Celok Lek 98:569-76, Apr 70 (Ser)

ANALYSIS

Chemical characterization of tetanus toxin and toxoid. Amino acid composition, number of SH and S-S groups and N-terminal amino acid. Bizzini B, et al. Eur J Biochem 17:100-5, Nov 70

ISOLATION & PURIFICATION

[Immunogenic property of tetanus anatoxins of various

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

degrees of purity and polymerization] Bizzini B, et al. Ann Inst Pasteur (Paris) 120:791-9, Jun 71 (Fre)
[Heterogeneity of tetanus anatoxin] Raynaud M, et al. Ann Inst Pasteur (Paris) 120:801-15, Jun 71 (Fre)
[Immunogenicity of purified tetanus anatoxin fractions isolated on an ion-exchange column] Izmailova MK. Zh Mikrobiol Epidemiol Immunobiol 47:120-4, Apr 70 (Rus)

PHARMACODYNAMICS

Tetanus antitoxin production and gamma globulin levels in patients with cirrhosis of the liver. Bjorneboe M, et al. Acta Med Scand 188:541-6, Dec 70
Experimental studies on the interaction of tetanus toxin and toxoid. Jayasingh RS, et al. J Assoc Physicians India 18:491-6, May 70
Response of the rheumatoid synovial membrane to exogenous immunization. Herman JH, et al. J Clin Invest 50:266-73, Feb 71
The differences in immunizing capacity between various tetanus toxoids in active-passive immunization with human antitoxin. Cohen H, et al. Progr Immunobiol Stand 4:527-32, 1970
[Plasma glucocorticoids after antitetanus vaccination in rabbits] Busila VT, et al. G Mal Infett Parassit 21:844-7, Nov 69 (Ita)
[Processing of preparations for the determination of immunogenic activity of adsorbed diphtheria and tetanus toxoids] Sporzyńska Z, et al. Med Dosw Mikrobiol 22:231-42, 1970 (Pol)
[Immunogenesis and non-specific factors of natural resistance. VI. Changes in animal serum properdin concentration following immunization with different vaccinating preparations] Pietsityĭ DF, et al. Zh Mikrobiol Epidemiol Immunobiol 47:17-21, Sep 70 (Rus)

STANDARDS

Immunization against neonatal tetanus in New Guinea. 5. Laboratory assayed potency of tetanus toxoids and relationship to human antitoxin response. Pittman M, et al. Bull WHO 43:469-78, 1970
The titration of tetanus toxoid (plain). Barnes JM, et al. Progr Immunobiol Stand 4:533-9, 1970
The experience gained in the USSR with the use of international immunogenicity standards for diphtheria and tetanus toxoids, adsorbed. Resepov FF, et al. Progr Immunobiol Stand 4:553-9, 1970
Potency control of tetanus and diphtheria toxoids, adsorbed, produced in Bulgaria. Vrancheva S, et al. Progr Immunobiol Stand 4:548-52, 1970
[Value of national standards in the control of standardization of diphtheria and tetanus anatoxins. Conditions of measurement in international units and immunogenic value of tetanus anatoxin for guinea pigs and mice] Demian L, et al. Arch Roum Pathol Exp Microbiol 28:297-302, Jun-Sep 69 (Fre)

THERAPEUTIC USE

[Use of human immunoglobulin in tetanus] Burkhardt G, et al. Zentralbl Chir 95:180-4, 7 Feb 70 (Ger)

TOXICITY

Reversion of toxicity of tetanus toxoid. Akama K, et al. Jap J Med Sci Biol 24:181-3, Jun 71

TETANY (C7, C10, C13)

[Repeated convulsions and semiconsciousness] Rabe F. Med Welt 19:805-7, 8 May 71 (Ger)
[Certain features of early infantile tetany] Baliszewska B, et al. Pediatr Pol 45:1081-8, Sep 70 (Pol)
[Tetany in pregnancy] Dashkina KhI. Akush Ginekol (Mosk) 46:75-6, Jul 70 (Rus)

CHEMICALLY INDUCED

[Studies of the relationship between the degree of acetylcholinesterase inhibition by organophosphates and the decrease in tetanic responses in a phrenic nerve-diaphragm preparation of the rat] Faff J. Acta Physiol Pol 21:243-50, Mar-Apr 70 (Pol)

COMPLICATIONS

Association of oedema and hypomagnesaemia with hypocalcaemic tetany of the newborn. Chiswick ML. Br Med J 3:15-8, 3 Jul 71
[Study of crystalline lens opacity in 350 cases of tetany] Cernéa P, et al. Bull Mem Soc Fr Ophtalmol 81:311-21, 1968 (Fre)
[Bilateral cataract, band-shaped keratopathy and tetany] Payrau M. Bull Soc Ophtalmol Fr 68:447-50, Apr 68 (Fre)
[Study of some neurophysiological apects of cryptotetany] Grasso AM, et al. Acta Neurol (Napoli) 25:692-704, Nov-Dec 70 (Ita)
[Extensive ectopic calcifications in a 3-year-old infant in tetany] Chilman AA, et al. Pol Przegl Radiol 35:13-8, 1971 (Pol)
[Electroclinical correlations between latent tetany and neurosis] Ionescu I, et al. Neurol Psihiatr Neurochir 15:411-8, Sep-Oct 70 (Rum)

DIAGNOSIS

Electro-clinical correlations between latent tetany and neuroses. Ionescu I, et al. Electroencephalogr Clin Neurophysiol 30:360, Apr 71
Clinical and EEG investigations in latent tetany. Stamatoiu I, et al. Electroencephalogr Clin Neurophysiol 30:364, Apr 71
[Effect of 10 minutes' ischemia on patients normal or suspected of tetany] Monod H, et al. Rev Neurol (Paris) 122:487-91, Jun 70 (Fre)
[Clinico-diagnostic aspects of parathyroid insufficiency in infants. Case reports] Benatti C, et al. Minerva Pediatr 23:278-86, 18 Feb 71 (Ita)

ETIOLOGY

Hyperparathyroidism and acute postpartum pancreatitis with neonatal tetany in the child. Bronsky D, et al. Am J Med Sci 260:160-4, Sep 70
Electrophysiological study of hyperoestrogenic tetany. Poenaru S, et al. Electroencephalogr Clin Neurophysiol 30:369, Apr 71
Thiamine deficiency presenting as opisthotonus. Sullivan TJ. J Pediatr 77:1092-3, Dec 70
Diet-induced hypoparathyroidism: a model for neonatal tetany. Rogers MC, et al. Pediatrics 47:Suppl 2:207+, Jan 71
Hypocalcemia and tetanic seizures in hypophysectomized killifish, Fundulus heteroclitus. Pang PK, et al. Proc Soc Exp Biol Med 136:85-7, Jan 71
[Magnesium deficiency in newborns] Salet J, et al. Ann Pediatr (Paris) 17:837-45, 2 Nov 70 (Fre)
[Tetany and rickettsiosis. Rickettsia mooseri in the etiology of tetany] Le Gac P. C R Acad Sci [D] (Paris) 271:1471-3, 19 Oct 70 (Fre)
[Tetany (chronic idiopathic hypoparathyroidism in children)] Ferchiou A, et al. Tunis Med 48:9-16, Jan-Feb 70 (Fre)
[Tetanic cataract. (Clinical case)] Magnasco A, et al. Ann Ottalmol Clin Oculi 95:527-44, Jun 69 (Ita)
[Hypoparathyroidism and pregnancy (clinical note)] Malato M. Arch Ostet Ginecol 74:251-61, May-Jun 69 (Ita)
[Our personal observations on acid-base balance shifts in rickets tetany] Pronicka E, et al. Pediatr Pol 46:577-82, May 71 (Pol)

OCCURRENCE

The incidence of hypoparathyroid tetany after thyroid operations. Relationship to age, extent of resection and surgical experience. Parfitt AM. Med J Aust 1:1103-7, 22 May 71

PHYSIOPATHOLOGY

The effect of ischaemia for 10 minutes on normal subjects and those suspected of having tetany. Monod H, et al. Electroencephalogr Clin Neurophysiol 30:350, Mar 71
The electrophysiology of tetany in the child. Poenaru S, et al. Electroencephalogr Clin Neurophysiol 30:369, Apr 71
EEG aspects in the tetany of children. Prişcu R, et al. Electroencephalogr Clin Neurophysiol 30:361-2, Apr 71
[The delimitation of tetany. Effects of the EMG and EEG of the fall of alveolar CO2 partial pressure obtained by hyperventilation] Monod H, et al. Cah Med 12:333-40, 15 Apr 71 (Fre)
[Electrophysiology of tetany in children] Poenaru S, et al. Rev Neurol (Paris) 123:284-5, Oct 70 (Fre)
[Electrophysiologic study of hyperestrogenic tetany] Poenaru S, et al. Rev Neurol (Paris) 123:286-7, Oct 70 (Fre)

VETERINARY

Magnesium and neuromuscular irritability in calves, with particular reference to hypomagnesaemic tetany. Todd JR, et al. Br Vet J 126:333-44, Jul 70
Effect of oral potassium and sodium chloride on plasma composition of cattle: a grass tetany related study. Scotto KC, et al. J Anim Sci 32:354-8, Feb 71

TETRABENAZINE (D6)

ADMINISTRATION & DOSAGE

Effects of lithium pretreatment on amphetamine and DMI tetrabenazine produced psychomotor behavior. D'Encarnacao PS, et al. Dis Nerv Syst 31:494-6, Jul 70

ANTAGONISTS & INHIBITORS

Effects of 5-methoxytryptamine derivatives on reserpine-syndrome in mice. Segawa T, et al. Arch Int Pharmacodyn Ther 186:129-32, Jul 70
Psychopharmacologic effects of some cholinesterase inhibitors in comparison with imipramine. Fekete M, et al. Psychopharmacologia 16:238-48, 1970
The effect of various antidepressant drugs upon the tetrabenazine-suppressed conditioned avoidance response in rats. Voith K, et al. Psychopharmacologia 20:253-65, 1971

PHARMACODYNAMICS

Comparative psychopharmacologic investigation of cryogenine, certain non-steroid anti-inflammatory compounds, lupin alkaloids and cyproheptadine. Nucifora TL, et al. Arch Int Pharmacodyn Ther 191:345-56, Jun 71
Effect of tetrabenazine and alpha-methyl-m-tyrosine on exploratory activity and brain catecholamines in rats. Chan OL, et al. Br J Pharmacol 41:691-9, Apr 71
Studies on interactions involving antidepressive and other drugs with tetrabenazine and noradnamine on locomotor activity in mice, including details of the experimental design and statistical analysis. Jones BJ, et al. Psychopharmacologia 18:288-99, 1970
Lordosis behavior in male rats treated with estrogen in combination with tetrabenazine and nialamide. Larsson K, et al. Psychopharmacologia 21:13-6, 1971

THERAPEUTIC USE

Tetrabenazine for Huntington's chorea. Soutar CA. Br Med J 4:55, 3 Oct 70

TETRACAINE (D6)

ADMINISTRATION & DOSAGE

[Two different forms of administration for Incut ear drops--comparative effect of both preparations] Müller H. Med Monatsschr 25:283-5, Jun 71 (Ger)

PHARMACODYNAMICS

Effect of a local anesthetic upon calcium uptake and insulin secretion by isolated islets of Langerhans. Brisson GR, et al. Life Sci [I] 10:445-8, 15 Apr 71
[The gasserian ganglion following conduction anesthesia with tetracaine] Schumacher GH, et al. Dtsch Stomatol 20:832-9, Nov 70 (Ger)
[Peripheral sympathetic depressant effect of clonidine] Starke K, et al. Experientia 27:70-1, 15 Jan 71 (Ger)
[Pharmacological influencing of the active transport of calcium, potassium and adenine nucleotides in isolated mitochondria] Noack E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:410-1, 1970 (Ger)
[Spasmolytic and antiemetic effect of aklonin (DL-phenyl-alpha-aminoacetic acid isoamyl ester) and its elimination] Schulz E, et al. Pharmazie 25:560-5, Sep 70 (Ger)

TETRACHLOROETHYLENE (D2, D3)

ADVERSE EFFECTS

Perchloroethylene burns. Ling S, et al. Br Med J 3:115, 10 Jul 71
[So-called chemical asthma] Paleček I. Arh Hig Rada Toksikol 21:161-6, 1970 (Cro)

THERAPEUTIC USE

A comparative study of bitoscanate (Jonit) bephenium hydroxynaphthoate and tetrachlorethylene in hookworm infection. Johnson SC. J Trop Med Hyg 74:133-6, Jun 71

TETRACYCLINE (D3)

A tetracycline-based study of a linear rate of bone-matrix mineralization in canine bones. Takahashi H, et al. Acta Med Biol (Niigata) 18:269-74, Mar 71
Interaction of various tetracyclines with metallic cations in aqueous solutions as measured by by circular dichroism. Mitscher LA, et al. Antimicrob Agents Chemother 9:111-5, 1969
Selectivity of cation chelation to tetracyclines: evidence for special conformation of calcium chelate. Caswell AH, et al. Biochem Biophys Res Commun 43:625-30, 7 May 71
Opposite chirality of pillaromycin A to tetracyclines: the X-ray analysis of Achromycin hydrochloride. Kamiya K, et al. Experientia 27:363-5, 15 Apr 71
Conformation of tetracycline ring systems. Structure of 5,12a-diacetyloxytetracycline. Hughes RE, et al. J Am Chem Soc 93:1037-8, 24 Feb 71
Studies on the relationship of protein binding and gel-affinity of antibiotics including penicillins. Murakawa T, et al. J Antibiot (Tokyo) 23:481-7, Oct 70
Inhibition of Corynebacterium acnes lipase by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tetracycline. Hassing GS.
J Invest Dermatol 56:189-92, Mar 71
Role of magnesium in the binding of tetracycline to Escherichia coli ribosomes. White JP, et al.
J Mol Biol 58:397-400, 28 May 71
Diffuse reflectance studies of solid-solid interactions. Lach JL, et al. J Pharm Sci 59:1261-4, Sep 70
Tetracycline fluorescence in experimental necrotizing cardiopathies. Somogyi A, et al.
Pathol Eur 4:257-64, 1969
[Antibiotics in pediatrics] Senterre J.
Rev Med Liege 26:443-63, 1 Jul 71 (82 ref.) (Fre)
[Tests on the activity and stability of tetracycline 3,4,5,-trimethoxybenzoate] Caputo O, et al.
Farmaco [Prat] 26:54-66, Jan 71 (Ita)
[Intraocular penetration of antibiotics into rabbit eye with purulent uveitis. 2. Tetracycline] Nakatsue T.
Acta Soc Ophthalmol Jap 75:1236-9, 1971 (Jap)
[Preliminary report on a new tetracycline derivative, prolinomethyl tetracycline] Mayama T, et al.
Jap J Antibiot 24:156-9, Jun 71 (Jap)
[A comparative evaluation of antibiotics of the tetracycline group] Mozgov IE.
Veterinariia 1:82-4, Jan 71 (Rus)

ADMINISTRATION & DOSAGE

On the results of giving small amounts of tetracyclines to individuals without infectious diseases. Katsura S.
Acta Med Biol (Niigata) 19:93-100, Jun 71
Ecological effects of oral antibiotics on the microflora of human skin. Marples RR, et al.
Arch Dermatol 103:148-53, Feb 71
Six-city study of treatment of gonorrhoea in men using single oral doses of 1.5 or 3 g. tetracycline hydrochloride. Cornelius CE 3d.
Br J Vener Dis 46:330-3, Aug 70
Treatment of acute gonococcal urethritis with three drug regimes in 768 males, Brisbane, Queensland, 1967-69. Smithurst BA.
Br J Vener Dis 46:398-400, Oct 70
Treatment of gonorrhoea with two oral doses of antibiotics. Trials of cephalexin and of triple tetracycline (Detecio). Willcox RR.
Br J Vener Dis 47:31-3, Feb 71
Ulcerative colitis. Beeley L, et al.
Br Med J 2:171, 17 Apr 71
Intravenous regional antibiotic perfusion as prophylaxis against infection in injured hands. Joshi BB, et al. Indian J Med Sci 25:392-4, Jun 71
Prevention of dry socket with local application of tetracycline. Hall HD, et al. J Oral Surg 29:35-7, Jan 71
Evaluation of orally administered antibiotics for treatment of upper respiratory infections in Thai children. Lexomboon U, et al.
J Pediatr 78:772-8, May 71
The long-term use of tetracycline in acne vulgaris: effect on blood elements. Osment LS, et al.
South Med J 63:1156-8, Oct 70
[Escherichia coli with transferable resistance in patients treated with tetracycline for long periods of time] Guinée PA, et al.
Ned Tijdschr Geneeskd 115:998-1000, Jun 71 (Dut)
[Clinical results and digestive tolerance of a new tetracycline] Boisson J, et al.
Ann Gastroenterol Hepatol (Paris) 6:451-6, Sep-Oct 70 (Fre)
[Use of oxolamine cycline benzylate in pediatrics] Gaudier B, et al.
Lille Med 13:Suppl:269-72, Mar 68 (Fre)
[Value of combined tetracycline-oleandomycin injectable intramuscularly in treatment of urogenital infections] Mazeman E.
Lille Med Suppl 5:810-5, Aug-Sep 69 (Fre)
[Value of Tetrasiliex syrup in current pediatric practice] Pinçon JA, et al.
Lyon Med 225:913-6, 9 May 71 (Fre)
[Effects of different tetracyclines] Knothe H.
Dtsch Med Wochenschr 95:2500-1, 4 Dec 70 (Ger)
[Antibiotics in the prevention of exacerbation of chronic bronchitis. Comparative clinical study with guamecycline and tetracycline HCl] Bottoni P, et al.
G Ital Mal Torace 24:197-200 passim, Jul-Aug 70 (Ita)
[Therapeutic activity of an injectable tetracycline: mepicycline] Scalvini A, et al.
Minerva Med 62:2650-71, 4 Jul 71 (Ita)
[Tetracycline treatment of rosacea] Wereide K.
Tidsskr Nor Laegeforen 91:27-8, 10 Jan 71 (Nor)
[Effect of tetracycline on the content of lysozyme in the blood serum of rabbits and in human saliva] Aver'ianova LL. Antibiotiki 15:1034-6, Nov 70 (Rus)
[Experience in the local use of glycocycline in several otorhinolaryngologic diseases] Gospodinova NV, et al.
Antibiotiki 15:357-9, Apr 70 (Rus)
[Effect of oletetrine and its components on the secretory and enzymatic functions of the small intestine] Govorovich EA, et al.
Antibiotiki 14:260-6, 1969 (Rus)
[Pathogenesis of infectious and drug allergy in patients with acute dysentery and their relationship to the method of tetracycline administration] Klimov KV, et al. Antibiotiki 16:145-9, Feb 71 (Rus)
[Effect of morphocycline and levomycetin on the multiplication of Clostridia] Poliak MS.
Antibiotiki 15:1005-10, Nov 70 (Rus)
[Effect of tetracycline on the functional state of the adrenal cortex] Polosova RG.
Antibiotiki 15:688-91, Aug 70 (Rus)
[Effect of tetracycline in combination with other antibiotics on causative agents of purulent infection] Shestialtynova IS. Antibiotiki 16:72-5, Jan 71 (Rus)
[Effect of tetracycline on respiration and glycolysis of normal and neoplastic cells] Vdovichenko VI.
Antibiotiki 15:928-30, Oct 70 (Rus)
[Effect of antibiotics on the incorporation of labelled amino acids into proteins of tissue culture cells infected by Staphylococcus aureus] Zak AF, et al.
Antibiotiki 14:200-5, 1969 (Rus)
[Intraosseous injection of morphocycline in the complex treatment of osteomyelitis] Kolesov VI, et al.
Vestn Khir 105:87-91, Sep 70 (Rus)

ADVERSE EFFECTS

Photo-onycholysis due to tetracycline hydrochloride and doxycycline. Frank SB, et al.
Arch Dermatol 103:520-1, May 71
Tetracycline-induced fixed drug eruptions. Delaney TJ. Br J Dermatol 83:357-8, Sep 70
Balanitis due to fixed drug eruption associated with tetracycline therapy. Csonka GW, et al.
Br J Vener Dis 47:42-4, Feb 71
Gastrointestinal side effects of tetracycline and its possible prevention by antifungal compounds. Mehrotra AN, et al.
J Assoc Physicians India 18:627-9, Jul 70
Fanconi syndrome caused by degraded tetracycline. Varavithya W, et al. J Med Assoc Thai 54:62-7, Jan 71
More on tetracyclines. Shelley JH.
J Pediatr 77:917-8, Nov 70
Benign intracranial hypertension. Sequel to tetracycline therapy in a child. Maroon JC, et al.
JAMA 216:1479-80, 31 May 71
Antianabolic effect of tetracyclines. Korkelia J.
Lancet 1:974-5, 8 May 71
Tetracycline toxicity in renal failure. George CR, et al.
Med J Aust 1:1271-3, 12 Jun 71
Hepatorenal toxicity of tetracycline. Breitenbucher RB, et al. Minn Med 53:949-55, Sep 70
Hepatorenal toxicity of tetracycline. Kunin CM.
Minn Med 5:532-3, Jul 71
Tetracyclines and renal failure. Little PJ, et al.
NZ Med J 71:183-4, Sep 70
Tetracyclines and permanent teeth: the relation between dose and tooth color. Grossman ER, et al.
Pediatrics 47:567-70, Mar 71
Effect on deciduous and permanent teeth of tetracycline deposition in utero. Anthony JR.
Postgrad Med 48:165-8, Oct 70
Choice of antibiotics for elderly patients. Bendkowski B. Practitioner 205:85-9, Jul 70
[Changes in children's teeth after administration of tetracyclines] Janda J, et al.
Cesk Pediatr 26:90-1, Feb 71 (Cze)
[Bullous toxidermia due to tetracycline. Apropos of 4 cases] Benazeraf C, et al.
Bull Soc Fr Dermatol Syphiligr 78:19-21, 1971 (Fre)
[Clinical studies of the effect of tetracyclines on dental tissues] Allanos J, et al.
Rev Stomatol Chir Maxillofac 72:324-6, Mar 71 (Fre)
[Experimental study in animals on the problem of teratogenicity of tetracycline] Grote W, et al.
Arzneim Forsch 21:683-5, May 71 (Ger)
[Sumycin and sulmycin] Weber W, et al.
Dtsch Med Wochenschr 96:478, 12 Mar 71 (Ger)
[Catamnestic studies on premature infants treated with tetracycline with reference to growth disturbances and tooth changes] Weinmann G, et al.
Kinderaerztl Prax 37:105-9, Mar 69 (Ger)
[Dangers of tetracycline treatment in impaired kidney function] Ezendam WH, et al.
Ned Tijdschr Geneeskd 115:1300-5, Jul 71 (Ger)
[The side-effects of the therapy of chronic lung diseases with antibiotics] Siegenthaler W, et al.
Respiration 27:Suppl:227-38, 1970 (Ger)
[Symptoms of tooth discoloration in children following tetracycline therapy] Antalovská Z, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:45-51, 1970 (Ger)
[Follow-up study on permanent teeth in children previously treated with tetracycline] Berger ED.
Schweiz Monatsschr Zahnheilkd 81:19-38, 1971 (Ger)
[Iatrogenic damage through use of tetracycline and hydantoin in tooth, mouth, and jaw diseases] Riedel H.
Z Allgemeinmed 46:1342-4, 30 Sep 70 (Ger)
[Side-effects of tetracycline therapy with special reference to tooth disorders] Opperbeck J.
Z Laryngol Rhinol Otol 50:393-401, May 71 (Ger)
[Tetracycline-induced tooth injuries in children] Bergan T.
Tidsskr Nor Laegeforen 91:1160, 30 May 71 (Nor)
[Antibiotics and anesthesia]
Tidsskr Nor Laegeforen 90:2277, 15 Dec 70 (Nor)
[Case of toxic epidermal necrolysis in a 6-year-old child] Ocheret'ko MP. Pediatriia 49:86, Jul 70 (Rus)
[Drug-induced disease with infarction-like allergic myocarditis] Zakharov VN, et al.
Ter Arkh 43:97-9, Mar 71 (Rus)

ANALYSIS

A thin-layer chromatographic limit test for the detection of anhydrotetracycline and 4-epi-anhydrotetracycline in tetracycline. Lloyd PB, et al. J Chromatogr 53:403-5, Dec 70
Direct densitometric determination of tetracycline in pharmaceutical preparations. Radecka C, et al.
J Chromatogr 57:297-302, 6 May 71
Tetracycline levels in bronchial secretions. Campbell MJ. J Clin Pathol 23:427-34, Jul 70
Separation and determination of anhydrotetracycline, 4-epianhydrotetracycline, tetracycline, and 4-epitetracycline in a tetracycline mixture. Ascione PP, et al. J Pharm Sci 59:1480-2, Oct 70
Colorimetric assay of tetracycline antibiotics. Chatten LG, et al. J Pharm Sci 60:107-10, Jan 71
[Binding of some tetracyclines and polysynthetic penicillins by blood serum proteins] Iákoviev VP, et al. Antibiotiki 16:354-9, 1971 (Rus)
[Physico-chemical and biological properties of polymer derivatives of tetracyclines] Shchukovskaia LL, et al.
Antibiotiki 15:775-9, Sep 70 (Rus)
[Kinetics of the morphocycline content in endolymph and similar biological fluids in experiment] Teplitskaia TI. Antibiotiki 15:826-9, Sep 70 (Rus)
[Determination of tetracycline in the air] Churagulova NK, et al. Gig Sanit 36:69-71, 1971 (Rus)

ANTAGONISTS & INHIBITORS

Protective effect of ascorbic acid, isoascorbic acid and mannitol against tetracycline-induced nephrotoxicity. Polec RB, et al.
J Pharmacol Exp Ther 178:152-8, Jul 71
On the inhibition of tetracycline absorption of dietary calcium. Hurwitz S. Poult Sci 49:1183-7, Sep 70

BIOSYNTHESIS

Electron microscopy of surface of two strains of Streptomyces aureofaciens during tetracycline biosynthesis. Kurylowicz W, et al.
Acta Microbiol Pol [B] 2:223-8, 1970
The ultrastructure of the mycelium of Streptomyces aureofaciens in the course of biosynthesis of tetracycline. Kurylowicz W, et al.
Acta Microbiol Pol [B] 3:1-6, 1971
Thermodynamic model of the production of antibiotics of the tetracycline type. Křemen A.
J Theor Biol 31:363-70, May 71
[Effect of amino acids on the growth of Actinomyces aureofaciens and biosynthesis of tetracycline] Laznikova TN, et al.
Antibiotiki 16:207-12, Mar 71 (Rus)
[Effect of a vegetative inoculum on the biosynthesis of tetracycline] Makarevich VG, et al.
Antibiotiki 15:972-7, Nov 70 (Rus)
[Regularities in the formation of 2-acetyl-2-decarboxamidotetracycline during the fermentation of tetracycline] Makarevich VG, et al.
Antibiotiki 16:22-7, Jan 71 (Rus)

BLOOD

Serum concentrations of tetracycline in patients with chronic obstructive lung disease and hypoxemia. Barbour G, et al. Am Rev Resp Dis 103:717-8, May 71
Studies on the interactions between tetracyclines and proteins contained in serum and lung tissue. Dessi P, et al. Farmaco [Sci] 26:89-96, Jan 71
[Tetracycline kinetics in man. Digestive absorption and serum concentration] Fabre J, et al.
Schweiz Med Wochenschr 101:593-8, 1 May 71 (Fre)
[Doxycycline in serum, dialysate and urine of patients with kidney damage] Ritzerfeld W, et al.
Int Z Klin Pharmakol Ther Toxikol 4:325-9, Oct 70 (Ger)
[Doxycycline in serum, dialysate and urine of patients with kidney damage] Ritzerfeld W, et al.
Int Z Klin Pharmakol Ther Toxikol 3:325-9, Oct 70 (Ger)
[Antibacterial activity and blood levels of 2 tetracyclines] Renzini G, et al.
Antibiotica 7:36-57, Mar 69 (Mul)

CHEMICAL SYNTHESIS

Experiments on the synthesis of tetracycline. 3. Michael-type cyclization in the formation of ring B. Aufderhaar E, et al. J Chem Soc [Org] 12:2175-83, 1971
Experiments on the synthesis of tetracycline. IV. Ring B formation through 1,3-dipolar additions. Baldwin JE, et al. J Chem Soc [Org] 12:2184-92, 1971
Experiments on the synthesis of tetracycline. II. The synthesis of potential ring A and ring C-ring D components. Barton DH, et al.
J Chem Soc [Org] 12:2166-74, 1971
Experiments on the synthesis of tetracycline. I. Introduction to the series. Barton DH, et al.
J Chem Soc [Org] 12:2164-6, 1971
Experiments on the synthesis of tetracycline. VII. The total synthesis of 6-methylpretetramid. Barton DH, et al. J Chem Soc [Org] 12:2215-25, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Experiments on the synthesis of tetracycline. VI. Oxidation and reduction of potential ring A precursors. Barton DH, et al.
J Chem Soc [Org] 12:2204-15, 1971
Experiments on the synthesis of tetracycline. 8. An attempted total synthesis of 4-hydroxy-6-methylpretetramid. Barton DH, et al.
J Chem Soc [Org] 12:2225-31, 1971
Experiments on the synthesis of tetracycline. X. Synthesis of a tetracyclic compound suitable for 12 alpha-hydroxylation. Barton DH, et al.
J Chem Soc [Org] 12:2241-3, 1971
Experiments on the synthesis of tetracycline. IX. The synthesis and rearrangement of 6-acyloxycyclohexa-2,4-dienones. Barton DH, et al.
J Chem Soc [Org] 12:2231-41, 1971
Experiments on the synthesis of tetracycline. V. Photocyclisation of ring B. Barton DH, et al.
J Chem Soc [Org] 12:2193-203, 1971
Synthesis of 7-dimethylamino-6-demethyl-6-deoxytetracycline (minocycline) via 9-nitro-6-demethyl-6-deoxytetracycline. Church RF, et al. J Org Chem 36:723-5, 12 Mar 71

DIAGNOSTIC USE

Tissue-level bone formation rates in chronic renal failure, measured by means of tetracycline bone labeling. Hitt O, et al.
Can J Physiol Pharmacol 48:824-8, Dec 70
Use of ultraviolet illumination in oral diagnosis. Hefferren JJ, et al. J Am Dent Assoc 82:1353-60, Jun 71
Modified tetracycline fluorescence test for gastric cancer: preliminary results. Berk JE, et al.
Scand J Gastroenterol 6:169-71, 1971
[Effect of sodium selenate on the calcification of teeth and jaws of young rats. Studies using tetracycline] Kaqueler JC, et al.
Arch Sci Physiol (Paris) 24:157-63, 1970 (Fre)
[The importance of tetracycline fluorescence for the early diagnosis of malignant bladder neoplasms] Ziehen HP, et al. Z Urol Nephrol 63:523-30, Jul 70 (Ger)
[Neoplasm diagnosis using the fluorescence test. Experimental and clinical studies on the neoplasm specificity of the tetracycline fluorescence test] Gabka J, et al. ZWR 80:277-80 passim, 10 Apr 71 (Ger)
[Fluorescence test with endolymphatically administered tetracycline in the peroperative diagnosis of lymphatic metastasis of malignant neoplasms. Macro-and microscopic study] Socci M, et al. Chir Patol Sper 17:514-24, Dec 69 (Ita)
[Fluorescence induced by tetracycline in oncology (new method of diagnosis)] Petei G, et al.
Pathologica 61:283-7, Sep-Oct 69 (Ita)
[Intraoperative assessment of the vitality of strangulated intestine by way of tetracycline fluorescence] Korzycki J.
Pol Przegl Chir 42:1301-5, Sep 70 (Pol)
[Tetracycline fluorescence in the diagnosis of lung and stomach tumors] Firsova PP, et al.
Vopr Onkol 16:22-4, 1970 (Rus)
[Diagnostic value of alpha 2 globulin and tetracycline fluorescence tests in malignant diseases of the respiratory tract] Mazzei CM, et al.
Rev Clin Esp 116:327-34, 28 Feb 70 (Spa)

METABOLISM

Absorption of tetracyclines: interference by iron. Greenberger NJ. Ann Intern Med 74:792-3, May 71
Uptake of 3H-Tetracycline by resistant and sensitive Escherichia coli. Reynard AM, et al.
Appl Microbiol 21:71-5, Jan 71
Interference of iron with the absorption of tetracyclines in man. Neuvonen PJ, et al.
Br Med J 4:532-4, 28 Nov 70
Another drug interaction. Br Med J 4:509-10, 28 Nov 70
Different localization of tetracycline and simultaneously injected radiocalcium in developing enamel. Hammarström L.
Calcif Tissue Res 1:229-42, 20 Dec 67
Decrease of tetracycline absorption in man by sodium bicarbonate. Barr WH, et al.
Clin Pharmacol Ther 12:779-84, Sep-Oct 71
Quantitative studies on the accumulation of tetracycline in tumors. Winkelman J, et al.
Experientia 27:309-10, 15 Mar 71
The effect of the anion on the absorption of tetracycline from the rat stomach. Perrin JH, et al.
J Pharm Pharmacol 22:758-62, Oct 70
Disposition of tetracycline by pregnant women with acute pyelonephritis. Whalley PJ, et al.
Obstet Gynecol 36:821-6, Dec 70
[The metabolism of drugs labelled with C14 and H3: from animal experimentation to use in man] Glasson B, et al. Rev Eur Etud Clin Biol 16:209-15, Mar 71 (Fre)
[Kinetics of tetracyclines in human. II. Excretion, penetration into normal and inflammed tissues, behavior in a case of renal insufficiency and in hemodialysis] Fabre J, et al.
Schweiz Med Wochenschr 101:625-33, 8 May 71 (Fre)
[Tetracycline kinetics in man. Digestive absorption and serum concentration] Fabre J, et al.
Schweiz Med Wochenschr 101:593-8, 1 May 71 (Fre)
[Transplacental transmission of some tetracyclins] Catizone F, et al.
Arch Gynaekol 211:140-2, 4 Jun 71 (Ger)
[Pharmacokinetic problems in the eye, demonstrated by use of tetracyclines] Moog E.
Ber Dtsch Ophthalmol Ges 70:442-5, 1970 (Ger)
[Studies on the distribution and residues of tetracycline derivatives in tissues and bones of rabbits in reference to addition of chlortetracycline to rabbit fattening feed] Knothe H.
Z Tierphysiol 21:272-82, Sep 66 (Ger)
[On the passage of tetracycline hydrochloride into the aqueous humor of the rabbit] Balacco-Gabrieli C, et al.
Boll Soc Ital Biol Sper 45:1611-5, 31 Dec 69 (Ita)
[Binding of penicillins with serum protein. 3. Relationship between protein-binding of penicillins and other antibiotics and gel affinity] Nurakawa T, et al. Jap J Antibiot 23:223-7, Jun 70 (Jap)
[Comparative study of doxycycline and erythromycin concentrations in the palatine tonsils] Miniti A, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:371-8, Nov 70 (Por)
[Comparative characteristic of the absorption and distribution of tetracycline and its derivatives in patients with endometritis] Minasova GS, et al.
Antibiotiki 15:1044-6, Nov 70 (Rus)
[A luminescence microscopy study of tetracycline binding by sensitive and resistant Escherichia coli cells] Korn MIa, et al.
Mikrobiologiia 39:517-21, May-Jun 70 (Rus)

PHARMACODYNAMICS

Studies on the inhibitory effect of tetracycline on osteogenesis in vitro. Kaitila I.
Acta Paediatr Scand [Suppl] 206:Suppl 206:44+, 1970
Comparative effect of broad-spectrum antibiotics on nonspore-forming anaerobes and normal bowel flora. Finegold SM, et al.
Ann NY Acad Sci 145:268-81, 27 Sep 67
Mobilization of extrachromosomal determinants for streptomycin resistance by transferable colicinogenic factors. Krčméry V, et al.
Ann NY Acad Sci 182:118-22, 11 Jun 71
Tetracycline inhibition of a lipase from Corynebacterium acnes. Weaber K, et al.
Appl Microbiol 21:639-42, Apr 71
Combined surgical and radiation injury. IV. Effect of antimicrobials on the wound healing pattern of the x-irradiated rat. Donati RM.
Arch Surg 102:132-5, Feb 71
Antibiotics against Mycoplasma associated with bovine mastitis. Socci A, et al.
Arch Vet Ital 21:235-43, 31 Aug 70
Effect of tetracycline on mineralization in cyclohexiimide-treated bones in vitro. Kaitila I.
Calcif Tissue Res 7:46-57, 1971
Pharmacokinetic study of doxycycline in children. Ceccarelli G, et al. Chemotherapy 16:1-10, 1971
Ampicillin and tetracycline resistance of salmonella. Sharma S, et al. Indian J Med Res 58:1307-12, Oct 70
Sensitivity of Streptococcus pyogenes types to tetracycline and other antibiotics.
Bergner-Rabinowitz S, et al.
Isr J Med Sci 6:393-8, May-Jun 70
Tetracycline inhibition of Mycoplasma ribosomal protein synthesis. Fraterrigo CC, et al.
J Antibiot (Tokyo) 24:185-8, Mar 71
The effect of tetracycline on synthesis of fatty acid and cholesterol in the liver of control and experimental rats. Mukherjee D, et al.
J Antibiot (Tokyo) 24:263-5, Apr 71
Clinical pharmacologic studies with minocycline. Bernard B, et al.
J Clin Pharmacol 11:332-48, Sep-Oct 71
The inhibitory effect of tetracycline on osteogenesis in organ culture. Kaitila I, et al.
J Embryol Exp Morphol 23:185-211, Feb 70
Mechanism of tetracycline resistance in Staphylococcus aureus. Sompolinsky D, et al.
J Gen Microbiol 62:351-62, Aug 70
Inducible resistance to tetracycline in Staphylococcus aureus. Sompolinsky D, et al.
J Gen Microbiol 62:341-9, Aug 70
Study on the developing enameloid of a fish (Hoplognathus fasciatus). II. Effect of tetracycline injection. Toda Y, et al.
J Nihon Univ Sch Dent 12:50-3, Jun 70
The effects of some tetracyclines on synchronously growing cultures of Escherichia coli B-r. Collett JH, et al. J Pharm Pharmacol 22:672-8, Sep 70
Action of antibiotics on respiratory tract. IV. Tetracyclines and 4-epiderivatives. Benzi G, et al.
J Pharm Sci 60:321-3, Feb 71
Structure-activity relationships of tetracyclines. I. Inhibition of cell division and protein and nucleic acid syntheses in Escherichia coli W. Miller GH, et al.
J Pharm Sci 60:33-40, Jan 71
Decline in frequency of isolation of tetracycline-resistant beta-haemolytic streptococci from ear, nose and throat 1967-71. Rees TA.
Lancet 1:938-9, 8 May 71
Tetracycline-resistant haemolytic streptococci in Kuala Lumpur. Ampalam SD, et al.
Med J Malaya 25:220-2, Mar 71
Experimental aspergillosis in mice. II. Enhanced susceptibility of the cortisone treated mice to infection with Aspergillus fumigatus, Aspergillus flavus und Aspergillus niger. Bhatia VN, et al.
Mykosen 13:105-10, 1 Feb 70
R factor with a mutation in the tetracycline resistance marker. Franklin TJ, et al.
Nature (Lond) 229:273-4, 22 Jan 71
Activity of minocycline and other tetracyclines against tetracycline-sensitive and -resistant staphylococci. Kuck NA, et al.
Proc Soc Exp Biol Med 136:479-81, Feb 71
[Influence of tetracycline and ascorbic acid on the velocity of methemoglobin transformation in red blood cells suspended in vitro in a glucose and methylene blue medium] Neliba P, et al.
Cesk Fysiol 19:109-11, Sep 70 (Cze)
[Bacteriostatic effect of tetracyclines-macrolides associations] Lajudie P de.
Pathol Biol (Paris) 19:607-12, Jun-Jul 71 (Fre)
[Alteration of germs during therapy of chronic pyelonephritis. First results of computer evaluation of tape records from the study on pyelonephritis by the Paul Ehrlich Society for Chemotherapy] Hitzenberger G, et al.
Arzneim Forsch 21:319-20, Mar 71 (Ger)
[The effect of tetracyclines on the Schilling test and the secretion of volatile phenoles] Villako K, et al.
Dtsch Z Verdau Stoffwechselkr 30:325-7, 1970 (Ger)
[The antibiotic effectivity of doxycycline, tetracycline and chloramphenicol in the agar diffusion test] Müller J.
Med Klin 65:1821-5, 16 Oct 70 (Ger)
[Radiation sensitivity of malignant tumors following pretreatment with photosensitizing tetracycline] Deil M, et al. Strahlentherapie 139:512-5, Apr 70 (Ger)
[Effect of tetracycline on the salivary gland of the rat: histochemical study] Baroni E, et al.
Arch Stomatol (Napoli) 10:173-8, Jul-Sep 70 (Ita)
[Effect of tetracycline on the salivary gland of the rat: histochemical study] Baroni E, et al.
Arch Stomatol (Napoli) 10:173-8, Jul-Sep 69 (Ita)
[Human bronchial epithelium appearance after treatment with guamecycline. Electron microscopy study] Ruozi P, et al.
G Ital Mal Torace 23:173-82, Jul-Aug 69 (Ita)
[1st results on the drugs active in vitro on soil amoebas which cause human meningoencephalitis] De Carneri I. G Mal Infett Parassit 22:239-40, Sep 70 (Ita)
[Enzymatic modifications in human leukocytes through the activity of antiblastic peptides] De Barbieri A, et al. Haematol Lat 12:763-6, Jul-Dec 69 (Ita)
[Further ideas on associations of antimicrobial drugs] Checcacci L. Minerva Med 62:521-32, 10 Feb 71 (Ita)
[Modification induced by various antibiotics in the enteric absorption and in the utilizations of amino acids in infants] Giovannini M, et al.
Minerva Pediatr 21:2176-81, 17 Nov 69 (Ita)
[Penetration of various radioisotope labeled drugs into the dental tissues] Raulo J, et al.
Rass Int Stomatol Prat 22:59-69, Mar-Apr 71 (Ita)
[Dental clinical study of a new association of benzidamine and tetracycline] Bottai F, et al.
Riv Ital Stomatol 25:614-9, Jul 70 (Ita)
[Study of biological activity of 6-methylene-5-hydroxytetracycline-methylkanamycin] Sobiczewski W, et al.
Acta Pol Pharm 27:401-3, 1970 (Pol)
[Effect of reaction of medium and anaerobic conditions on the action of oletetrine (sigmamycin) and the combination of erythromycin with tetracycline] Bass TM. Antibiotiki 15:643-5, Jul 70 (Rus)
[Gastric microbial flora and its sensitivity to antibiotics following a short-time use of the tetracyclines morphocycline and glycocycline] Gitinov GG, et al.
Antibiotiki 15:743-8, Aug 70 (Rus)
[Effect of tetracycline on the gastric secretion in dogs under various condition of the nervous system] Govorovich EA, et al. Antibiotiki 16:309-12, 1971 (Rus)
[Study of sensitivity of Staphylococcus and Pseudomonas aeruginosa toward tetracycline and its combinations with sulfonamides of prolonged action] Shestialtynova IS. Antibiotiki 15:640-2, Jul 70 (Rus)
[An epidemiologic study of the episomal resistance of the Sonne dysentery bacillus to antibiotics] Sivolodskif EP.
Zh Mikrobiol Epidemiol Immunobiol 47:86-91, Feb 70 (Rus)
[Antibacterial activity and blood levels of 2 tetracyclines] Renzini G, et al.
Antibiotica 7:36-57, Mar 69 (Mul)
[Influence of tetracycline antibiotics on the concentration of glycogen in the rat liver] Barna K, et al. Bratisl Lek Listy 55:121-5, 1971 (Slo)

THERAPEUTIC USE

Tetracycline therapy for scrub typhus. Sheehy TW. Ala J Med Sci 8:75-81, Jan 71
The effect of minocycline on meningococcal nasopharyngeal carrier state in naval personnel. Devine LF, et al. Am J Epidemiol 93:337-45, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Lung abscess. Initial and late results of medical therapy. Barnett TB, et al.
Arch Intern Med 127:217-27, Feb 71
Studies in non-gonococcal urethritis therapy. The long-term value of tetracycline. Fowler W.
Br J Vener Dis 46:464-8, Dec 70
Penicillin and mouth flora. Garrod LP.
Br Med J 3:47, 3 Jul 71
Comparative trial of tetracycline, chloramphenicol, and trimethoprim-sulphamethoxazole in eradication of Vibrio cholerae El Tor. Gharagozloo RA, et al.
Br Med J 4:281-2, 31 Oct 70
Chemotherapy of bronchitis. Hansman D, et al.
Br Med J 2:467, 22 May 71
Minocycline in the treatment of urinary tract infections. Holloway WJ. Del Med J 42:333-7, Nov 70
The use of fanasil in mass treatment of trachoma. Emiru VP. East Afr Med J 47:457-60, Sep 70
Clinical evaluation of a new antibiotic, minocycline. Nelson BA. Eye Ear Nose Throat Mon 50:217-9, Jun 71
Ethylenediaminetetraacetic acid tetracycline and toxicity of barium chloride and sodium fluoride. Gogte ST. Indian J Physiol Pharmacol 14:61-2, Jan 70
Clinical trials of treatment for acute periodontal diseases. Emslie RD. Int Dent J 21:33-40, Mar 71
Treatment of urinary tract infections. Open comparative trial. Bernstein-Hahn L, et al.
Int Surg 56:8-12, Jul 71
A comparison of the erythromycin estolate and tetracycline in the treatment of respiratory tract infections. Tewari SN, et al.
J R Coll Gen Pract 20:120-3, Aug 70
Psittacosis. Wilson D.
J R Coll Gen Pract 21:506-8, Aug 71
Tetracycline treatment of telangiectasia. Ayres S Jr.
JAMA 217:1392, 6 Sep 71
Essential progressive telangiectasia. Successful treatment with tetracycline. Shelley WB.
JAMA 216:1343-4, 24 May 71
The tetracyclines. Ory EM.
Med Clin North Am 54:1173-86, Sep 70 (50 ref.)
How I treat erythrasma. Terezakis N.
Postgrad Med 48:201-3, Aug 70
A case of Ewing's sarcoma. Schierbeek P.
Pract Otorhinolaryngol (Basel) 32:181-2, 1970
Activity of tetracyclines, nalidixic acids, and nitrofurantoin in two experimental models of Escherichia coli urinary tract disease in rats. English AR. Proc Soc Exp Biol Med 136:1094-6, Apr 71
Treatment studies of guinea pig inclusion conjunctivitis. Ostler HB, et al.
Rev Int Trach 45:361-73, 1968
[Therapy of gonorrhea with tetracycline] Danda J, et al.
Cesk Dermatol 46:1-6, Feb 71 (Cze)
[Treatment of gynecologic infections by combined tetracycline and amphotericin B] Van Gijsegem M.
Brux Med 51:391-3, May 71 (Fre)
[Ogino method and cyclines] Le Balc'h YM.
Bull Fed Soc Gynecol Obstet Lang Fr 20:166, Apr-May 68 (Fre)
[Clinical trial of an antibiotic and decongestant combination: proxibron] Haguenauer JP, et al.
J Fr Otorhinolaryngol 18:247-9, Apr 69 (Fre)
[Utility of febrectol-tetracycline in otorhinolaryngologic therapy] Decroix G, et al.
Lille Med Suppl 5:816-8, Aug-Sep 69 (Fre)
[Clinical evaluation of the efficacy and tolerance of an anti-inflammatory and anti-infection compound] Linquette M, et al.
Lille Med Suppl 6:1356+, Nov 70 (Fre)
[Azocline treatment of urinary infections caused by common germs, in a present-day urological practice] Archimbaud JP, et al.
Lyon Med 220:1297-306, 17 Nov 68 (Fre)
[Value of the tetracycline-nitrofurantoin combination in the treatment of recurrent bronchial infections during chronic bronchopneumopathies] Lageze P, et al. Lyon Med 219:1189-91, 7 Apr 68 (Fre)
[A new antibiotic in pediatrics: E 127 A] Michel M.
Lyon Med 222:159-61, 20 Jul 69 (Fre)
[Sifacycline use in obstetrics] Thoulon JM, et al.
Lyon Med 225:247-9, 14 Feb 71 (Fre)
[The treatment of purulent bronchorrhea] Alibert R, et al. Mars Med 107:791-3, 1970 (Fre)
[A new salt of tetracycline (summary of clinical evaluation)] Dumon G, et al.
Mars Med 107:851-3, 1970 (Fre)
[Treatment of the acute broncho-pulmonary infections and superinfections by an antibiotic preparation with symptomatic aim] Coury C, et al.
Therapeutique 47:11-4, Jan 71 (Fre)
[Treatment of chronic bronchitis with Tetraiocline] Germouty J. Therapeutique 46:903-6, Nov 70 (Fre)
[Drug therapy in Behcet's disease] Kleinhans K.
Ber Dtsch Ophthalmol Ges 70:425-30, 1970 (Ger)
[Treatment of acne vulgaris] Landes E.
Cosmetologica 19:54-6, 20 Mar 70 (Ger)
[Effect of local application of tetracycline on the dental pulp] Sicha V. Dtsch Stomatol 21:349-53, May 71 (Ger)
[Therapy of urinary tract infections in the child. Causative agent, antibiotics spectrum and results of therapy] Breunung M, et al.
Kinderaerztl Prax 39:128-39, Mar 71 (Ger)
[Intestinal flora and tetracyclines. Trial of a combination of tetracycline and amphotericin B] Kraft-Kinz J, et al. Med Klin 65:1829-33, 16 Oct 70 (Ger)
[The effect of amphotericin B on Candida infection of the oral cavity and the intestines during tetracycline therapy] Chüden H, et al.
Mykosen 13:13-7, 1 Jan 70 (Ger)
[Lymecycline in Haemophilus vaginalis colpitis] Fegeri H, et al.
Wien Med Wochenschr 121:194-6, 13 Mar 71 (Ger)
[Experiences with a new preparation, Tantum biotic. (Benzydamine hydrochloride + tetracycline) in a surgical clinic] Figge B.
Z Allgemeinmed 46:1722-3, 10 Dec 70 (Ger)
[Postoperative treatment with test preparation TT 235 (tantum + tetracycline) in gynecology] Zielinski H, et al. Z Allgemeinmed 47:363-5, 10 Mar 71 (Ger)
[Treatment possibilities in fluor genitalis in dermatological practice] Weitgasser H.
Z Haut Geschlechtskr 46:107-10, 15 Feb 71 (Ger)
[Persistence of Aegyptianella pullorum Carpano, 1928, in chicks after chemotherapeutic treatment] Gothe R, et al.
Zentralbl Veterinaermed [B] 17:806-12, Aug 70 (Ger)
[Therapeutic effectiveness of mepicycline, a new tetracycline] Pigliucci GM.
Chir Patol Sper 17:444-55, Dec 69 (Ita)
[Use of a combination of proteolytic enzymes (trypsin and alpha-chymotrypsin) and tetracycline in pediatrics] Di Marco A.
Clin Pediatr (Bologna) 52:33-45, Jan 70 (Ita)
[New antibiotic-anti-inflammatory combination in pediatrics] Romoli F, et al.
Clin Pediatr (Bologna) 52:24-32, Jan 70 (Ita)
[Combination of proteolytic enzymes and antibiotics in the therapy of chronic bronchial diseases] Mazza V, et al. Folia Med (Napoli) 52:565-78, Sep 69 (Ita)
[Preliminary results of the association of benzydamine and tetracycline in the therapy of chronic gynecologic inflammations] Archilei T.
Minerva Ginecol 22:523-5, 31 May 70 (Ita)
[Benzidamine and tetracycline therapy in gynecologic and obstetrical pathology] Tinelli L, et al.
Minerva Ginecol 22:677-80, 15 Jul 70 (Ita)
[Therapy of polymicrobic vaginal infections with a tetracycline-amphotericin combination] Villani L, et al. Minerva Ginecol 22:880-6, 30 Sep 70 (Ita)
[Clinical research on the use of a new tetracycline salt with antibiotic anti-inflammatory thermoregulatory effect] Giacomoni MA.
Minerva Pediatr 21:927-32, 19 May 69 (Ita)
[The effectiveness of benzidamine chlorhydrate (Tantum) alone and combined with tetracycline (Tantum Biotic) in radiotherapy] Cascelli G.
Nunt Radiol 35:161-79, Feb 69 (Ita)
[Association of benzydamine and tetracycline in acute and subacute inflammation in internal medicine] Molinis G. Policlinico [Prat] 76:1594-600, 8 Dec 69 (Ita)
[Studies on guamecycline: transplacental passage and therapeutic effect in obstetrics] Seassaro E.
Quad Clin Ostet Ginecol 24:413-20, Jun 69 (Ita)
[Clinical studies on Traumacort-aerosol Polfa in selected skin diseases] Michalowski R, et al.
Pol Tyg Lek 26:804-6, 19 Apr 71 (Pol)
[Use of tetracycline lauryl sulfate in respiratory tract infections in children] Porto G.
Rev Bras Med 27:379-80, Jul 70 (Por)
[Therapeutic study of the action of an enzyme-antibiotic combination in the treatment of cutaneous infections] Vasconcelos W.
Rev Bras Med 26:816-9, Oct 69 (Por)
[Use of some compounds of the tetracycline series in patients with chronic renal insufficiency] Iarmolinskif IS, et al.
Antibiotiki 15:1125-8, Dec 70 (Rus)
[Effectiveness of some antibiotics of the tetracycline group in experimental anaerobic (gaseous) infection] Poliak MS. Antibiotiki 15:891-4, Aug 70 (Rus)
[The effect of tetracyclines on erythrocyte permeability in burn cases] Pevzner VI, et al.
Biull Eksp Biol Med 67:43-5, Jun 69 (Rus)
[Present-day principles of pathogenetic therapy of cholera] Nikiforov VN, et al.
Sov Med 33:10-7, Jul 70 (Rus)
[Oletetrin treatment of nongonorrheal urethritis in men] Lopatin AI.
Urol Nefrol (Mosk) 35:70-1, Jul-Aug 70 (Rus)
[Treatment of bone and osteoarticular panaris] Kosachev ID. Vestn Khir 105:96-100, Sep 70 (Rus)
[Use of tetracycline hydrochloride in necrobacillosis in reindeer] Pisarenko NI.
Veterinariia 8:54-5, Aug 70 (Rus)
[Etiologic factors in juvenile acne and their repercusions in the treatment of said picture] Alvarez Lovell L.
Actas Dermosifiliogr 60:1-14, Jan-Feb 69 (Spa)
[Antimicrobial therapy in ro cases of obstructive chronic bronchopneumopathy] Noya M, et al.
Rev Clin Esp 121:47-50, 15 Apr 71 (Spa)
[Results obtained with the use of tetracycline-L-methylene-lysine in surgery] Raia A, et al. Rev Paul Med 76:99-106, Sep 70 (Spa)
[Tetraolean in the clinical practice] Gelinov Kh, et al.
Farm Zh 26:81-4, Jan-Feb 71 (Ukr)
[Treatment of infectious endocarditis with tetraolean] Gelinov Kh, et al. Farm Zh 26:88-9, Jan-Feb 71 (Ukr)
[Use of tetraolean in resuscitation] Malovichko Ala, et al. Farm Zh 26:90-1, Jan-Feb 71 (Ukr)
[Clinico-therapeutic and bacteriological observations during the treatment of children with tetraolean] Rachev L, et al. Farm Zh 26:84-8, Jan-Feb 71 (Ukr)
[Enhancement of the antibacterial activity of tetracycline in vivo by benzidamine] Ravagnan G, et al. Antibiotica 7:151-62, Jun 69 (Mul)

TOXICITY

Protective effect of ascorbic acid, isoascorbic acid and mannitol against tetracycline-induced nephrotoxicity. Polec RB, et al.
J Pharmacol Exp Ther 178:152-8, Jul 71
[Is there a relation between the teratogenic effect and transplacental passage of drugs?] Cahen R, et al.
C R Soc Biol (Paris) 164:610-6, 1970 (Fre)

URINE

[Doxycycline in serum, dialysate and urine of patients with kidney damage] Ritzerfeld W, et al.
Int Z Klin Pharmakol Ther Toxikol 4:325-9, Oct 70 (Ger)
[Doxycycline in serum, dialysate and urine of patients with kidney damage] Ritzerfeld W, et al.
Int Z Klin Pharmakol Ther Toxikol 3:325-9, Oct 70 (Ger)

TETRAETHYLAMMONIUM COMPOUNDS (D2, D5)

ANALYSIS

[Volumetric determination of benzohexonium, dibazol, ditiline and tetamon] Sutzhanov NB, et al.
Farm Zh 26:46-50, Jan-Feb 71 (Ukr)

METABOLISM

[Are quaternary ammonium compounds absorbed by an intestinal secretion mechanism?] Lauterbach F. Naunyn Schmiedebergs Arch Pharmakol 266:388-9, 1970 (Ger)

PHARMACODYNAMICS

The effects of intraventricular injections of quaternary ammonium compounds on the acetylcholine content of rat brain. Slater P.
Arch Int Pharmacodyn Ther 181:253-62, Oct 69
Pharmacologic considerations in the analysis of synaptic function: an hypothesis concerning the initiation of the synaptic potential. Riker WK.
Fed Proc 29:1966-71, Nov-Dec 70
Leukocidin, tetraethylammonium ions, and the membrane acyl phosphatases in relation to the leukocyte potassium pump. Woodin AM, et al.
J Gen Physiol 56:16-32, Jul 70
Modification of transmitter release by ions which prolong the presynaptic action potential. Benoit PR, et al. J Physiol (Lond) 210:681-95, Oct 70
Electrical interaction between antidromically stimulated frog motoneurones and dorsal root afferents: enhancement by gallamine and TEA. Grinnell AD. J Physiol (Lond) 210:17-43, Sep 70
Effects of tetraethylammonium chloride on the membrane activity of guinea-pig stomach smooth muscle. Ito Y, et al. J Physiol (Lond) 211:445-60, Dec 70
Effects of Ba2+ and tetraethylammonium on cortical neurones. Krnjević K, et al.
J Physiol (Lond) 215:223-45, May 71
The differential effects of tetraethylammonium and zinc ions on the resting conductance of frog skeletal muscle. Stanfield PR.
J Physiol (Lond) 209:231-56, Jul 70
The effect of the tetraethylammonium ion on the delayed currents of frog skeletal muscle. Stanfield PR. J Physiol (Lond) 209:209-29, Jul 70
Rate of action of tetraethylammonium ions on the duration of action potentials in single Ranvier nodes. Vierhaus J, et al. Pfluegers Arch 326:88-100, 1971
[Effect of various inhibitors of ionic permeability on the transmembranal electric activity of the ventricular myocardium in the monkey (Cercopithecidae family)] Walden M, et al.
C R Soc Biol (Paris) 164:1612-6, 1970 (Fre)
[Action of acetylcholine, gamma-aminobutyric acid and DDT on electrogenesis modified by tetraethylammonium in the heart of a crustacean] Delaleu JC, et al.
J Physiol (Paris) 62:Suppl 2:366, 1970 (Fre)
[Non-specific action of tetraethylammonium chloride on membrane currents of the myocardial fiber] Garnier D, et al.
J Physiol (Paris) 1:Suppl 1:133-4, 1969 (Fre)

THERAPEUTIC USE

Comparison of the antidotal actions of

tetraethylammonium chloride and atropine in acute poisoning of carbamate insecticides in rats. Kimmerle G. Arch Toxikol 27:311-4, 1971
Effect of ganglion blocking agents on spontaneous & adrenaline-induced ventricular ectopic tachycardia following coronary occlusion. Gupta RS, et al. Indian J Exp Biol 8:198-200, Jul 70

TETRAETHYLTHIURAM DISULFIDE see

DISULFIRAM (D13)

TETRAHYDROFOLATE DEHYDROGENASE (D9)

Interconversion of the multiple forms of dihydrofolate reductase from amethopterin-resistant Lactobacillus casei. Dunlap RB, et al. Biochem Biophys Res Commun 42:772-7, 5 Mar 71

ANALYSIS

Preparation of tritiated dihydrofolate and its use in the assay of dihydrofolate reductase. Zakrzewski SF, et al. Anal Biochem 40:336-44, Apr 71
Altered dihydrofolate reductase associated with a pyrimethamine-resistant Plasmodium berghei berghei produced in a single step. Diggens SM, et al. Nature (Lond) 228:579-80, 7 Nov 70
[A new cytochemical method for the study of the tetrahydrofolatereductase activity in Plasmodium berghei: analysis of the effect of specific inhibitors] Gerzeli G, et al. Riv Parassitol 30:19-26, Mar 69 (Ita)

ANTAGONISTS & INHIBITORS

Quinazoline antifolates as inhibitors of dihydrofolate reductase from human leukemia cells. Johns DG, et al. Biochem Pharmacol 19:1528-33, Apr 70
Accumulation of (3',5'-3H2)folic acid by human blood platelets. Effect of dihydrofolic acid reductase inhibitors. Gaut ZN, et al. Biochim Biophys Acta 215:194-7, 21 Jul 70
Irreversible enzyme inhibitors. 173. Cure of Walker 256 ascites by reversible and irreversible inhibitors of dihydrofolic reductase derived from 1-(substituted-phenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine. Baker BR, et al. J Med Chem 13:1130-40, Nov 70
Irreversible enzyme inhibitors. CLXXVI. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-phenyl-s-triazine by ether bridging to a terminal sulfonyl fluoride. Baker BR, et al. J Med Chem 13:1149-54, Nov 70
Irreversible enzyme inhibitors. CLXXIX. Active-site-directed irreversible enzyme inhibitors of dihydrofolate reductase from 1-(3-chlorophenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine with oxyamide bridges to a terminal sulfonyl fluoride. Baker BR, et al. J Med Chem 13:1165-70, Nov 70
Irreversible enzyme inhibitors. CLXXVII. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(phenylalkylphenyl)-s-triazines. II. Baker BR, et al. J Med Chem 13:1154-60, Nov 70
Irreversible enzyme inhibitors. CLXXV. Irreversible inhibition of purified dihydrofolic reductase. Baker BR, et al. J Med Chem 13:1143-8, Nov 70
Irreversible enzyme inhibitors. 178. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 1-(4-benzyloxy-3-chlorophenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine with a terminal sulfonyl fluoride. Baker BR, et al. J Med Chem 13:1161-5, Nov 70
Potential folic acid antagonists. 4. Synthesis and dihydrofolate reductase inhibitory activities of 2,4,6-triamino-5-arylazopyrimidines. Chatterjee SS, et al. J Med Chem 14:499-501, Jun 71
Irreversible enzyme inhibitors. CLXXIV. Metabolism of 4-(p-(4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazin-1-yl)hydrocinnamido)-o-toluenesulfonyl fluoride (NSC-113423), an active-site-directed irreversible inhibitor of dihydrofolic reductase. Ryan AJ, et al. J Med Chem 13:1140-2, Nov 70
Reduced nicotinamide adenine dinucleotide phosphate-dependent binding of competitive inhibitors to dihydrofolate reductase. Freudenthal R, et al. Mol Pharmacol 6:617-20, Nov 70
The action of sulphonamide-folic reductase inhibitor combinations against normal and drug-resistant strains of rodent malaria. Peters W. Trans R Soc Trop Med Hyg 65:11-2, 1971

BIOSYNTHESIS

Increased dihydrofolate reductase synthesis in Diplococcus pneumoniae following translatable alteration of the structural gene. 3. Further evidence on the extent of genic involvement. Sirotnak FM. Genetics 65:391-406, Jul 70

ISOLATION & PURIFICATION

A soluble dihydrofolate reductase from human placenta: purification and properties. Jarabak J, et al. Arch Biochem Biophys 142:417-25, Feb 71
T4 bacteriophage-specific dihydrofolate reductase: purification to homogeneity by affinity chromatography. Erickson JS, et al. Biochem Biophys Res Commun 43:1164-70, 4 Jun 71
"Induction" of dihydrofolate reductase: purification and properties of the "induced" human erythrocyte and leukocyte enzyme and normal bone marrow enzyme. Bertino JR, et al. Cancer Res 30:2372-8, Sep 70
[Isolation of high polymeric dihydrofolate reductase from mammal embryos by gel filtration on a Sepharose 4B column] Repin VS, et al. Dokl Akad Nauk SSSR 196:1486-9, 21 Feb 71 (Rus)

METABOLISM

A soluble dihydrofolate reductase from human placenta: purification and properties. Jarabak J, et al. Arch Biochem Biophys 142:417-25, Feb 71
Oxidative degradation of dihydrofolate and tetrahydrofolate. Chippel D, et al. Can J Biochem 48:999-1009, Sep 70
Variation of dihydrofolate reductase activity during in vitro and in vivo growth of sublines of L1210 lymphoma. Hillcoat BL. J Natl Cancer Inst 46:75-80, Jan 71

TETRAHYMENA (B1)

Regulation of cellular osmolarity and volume in Tetrahymena. Stoner LC, et al. J Exp Biol 53:391-9, Oct 70
The genetics of protozoan organelles. Gibson I. Symp Soc Exp Biol 23:379-99, 1970 (85 ref.)

ANALYSIS

Phosphonolipids in Tetrahymena cilia. Smith JD, et al. Biochem Biophys Res Commun 39:1163-9, 1970
Size and configuration of Tetrahymena mitochondrial deoxyribonucleic acid. Flavell RA, et al. Biochem J 119:61P-62P, Oct 70
The isolation of phosphonolipids from Tetrahymena pyriformis. Berger H, et al. Biochim Biophys Acta 231:584-7, 4 May 71
The lipids of membraneous cell organelles isolated from the ciliate, Tetrahymena pyriformis. Jonah M, et al. Biochim Biophys Acta 231:80-92, 2 Feb 71
Fractionation and characterization of Tetrahymena histone in comparison with mammalian histones. Hamana K, et al. J Biochem (Tokyo) 69:1097-111, Jun 71
Isolation of diacylglycerol-2-aminoethylphosphonate from Tetrahymena pyriformis. Sugita M, et al. J Biochem (Tokyo) 69:1149-50, Jun 71
Effect of growth conditions on serotonin content of Tetrahymena pyriformis. Brizzi G, et al. J Protozool 17:553-5, Nov 70
Changes in ion content in heat-treated Tetrahymena cells. Holm BJ. J Protozool 17:615-8, Nov 70
Putrescine and spermidine changes in heat-synchronized Tetrahymena populations. Holm B, et al. Z Naturforsch [B] 26:604-6, Jun 71

ANATOMY & HISTOLOGY

Studies on the oral apparatus of Tetrahymena pyriformis Gl. Forer A, et al. C R Trav Lab Carlsberg 38:67-86, 1970

CYTOLOGY

Polyribosome profiles from heat synchronized Tetrahymena. Hartman H, et al. Biochem Biophys Res Commun 40:964-7, 24 Aug 70
Studies on nuclear structure and function in Tetrahymena pyriformis. 3. Comparison of the histones of macro- and micronuclei by quantitative polyacrylamide gel electrophoresis. Gorovsky MA. J Cell Biol 47:631-6, Dec 70
Studies on nuclear structure and function in Tetrahymena pyriformis. II. Isolation of macro- and micronuclei. Gorovsky MA. J Cell Biol 47:619-30, Dec 70
The effects of high hydrostatic pressure on the microtubules of Tetrahymena pyriformis. Kennedy JR, et al. J Cell Biol 47:568-76, Dec 70
Studies of membrane formation in Tetrahymena pyriformis. II. Isolation and lipid analysis of cell fractions. Nozawa Y, et al. J Cell Biol 49:712-21, Jun 71
Nucleolar aging in Tetrahymena during the cultural growth cycle. Satir B, et al. J Cell Biol 48:143-54, Jan 71
The macronuclear envelope of Tetrahymena pyriformis GL in different physiological states. 3. Appearance of freeze-etched nuclear pore complexes. Speth V, et al. J Cell Biol 47:772-7, Dec 70
Comparative studies on mitochondrial and cytoplasmic ribosomes of Tetrahymena pyriformis. Chi JC, et al. J Mol Biol 53:531-56, 14 Nov 70
Suggestive structural evidence for macronuclear "subnuclei" in Tetrahymena pyriformis GL. Nilsson JR. J Protozool 17:539-48, Nov 70
Antimitotic agents and macronuclear division of ciliates IV. Reassembly of microtubules in macronuclei of Tetrahymena adapting to colchicine. Wunderlich F, et al. Protoplasma 70:139-52, 1970
[Adenosine triphosphatase properties of ciliary proteins of Tetrahymena pyriformis] Daña DIa, et al. Dokl Akad Nauk SSSR 197:962-5, 1971 (Rus)

DRUG EFFECTS

In vitro growth inhibition by 3837 compounds tested for antitumor activity: comparison of tumor cell culture and microbial assays. Thayer PS, et al. Cancer Chemother Rep [Suppl] 2:27-55, Apr 71
A synchronizing effect of carbon dioxide on cell division in Tetrahymena. Hjelm KK. Exp Cell Res 67:204-7, Jul 71
An analysis of the recovery of tetrahymena from effects of cycloheximide. Frankel J. J Cell Physiol 76:55-63, Aug 70
The effect of 2-mercapto-1-(beta-4-pyridethyl) benzimidazole (MPB) on cell differentiation and RNA synthesis in the protozoon Tetrahymena vorax. Nicolette JA, et al. J Protozool 18:87-90, Feb 71
Actinomycin D: Effect on macromolecular synthesis in synchronized Tetrahymena pyriformis. Conklin KA, et al. Pharmacology 4:91-101, 1970
Antimalarials: effects on in vivo and in vitro protein synthesis. Conklin KA, et al. Science 170:1213-4, 11 Dec 70

ENZYMOLOGY

The glycogen phosphorylase of Tetrahymena pyriformis. I. Purification and characterization. Kahn V, et al. Arch Biochem Biophys 143:80-91, Mar 71
The glycogen phosphorylase of Tetrahymena pyriformis. II. Inhibition and inactivation by EDTA and ATP and other kinetic properties. Kahn V, et al. Arch Biochem Biophys 143:92-105, Mar 71
Intersyngenic variations in the esterases and acid phosphatases of Tetrahymena pyriformis. Allen SL, et al. Biochem Genet 5:119-33, Apr 71
Separation of two DNA polymerase fractions from Tetrahymena cells after excision-repairable damage to DNA. Westergaard O. Biochim Biophys Acta 213:36-44, 16 Jul 70
Induction of DNA polymerase activity in irradiated Tetrahymena cells. Keiding J, et al. Exp Cell Res 64:317-22, Feb 71
Conformational analysis of enzyme-substrate complex in the dehydrogenation of sterols by Tetrahymena pyriformis. Nes WR, et al. J Biol Chem 246:561-8, 10 Feb 71
Variation in the latency of acid phosphatase and ribonuclease throughout the growth cycle of Tetrahymena pyriformis. Lee D. J Cell Physiol 76:17-22, Aug 70
Subcellular fractionation of Tetrahymena pyriformis ST by zonal centrifugation: changes in activities and distribution of enzymes during the growth cycle and on starvation. Lloyd D, et al. J Gen Microbiol 65:209-23, Feb 71
Enzymatic synthesis and decarboxylation of phosphatidylserine in Tetrahymena pyriformis. Dennis EA, et al. J Lipid Res 11:394-403, Sep 70
The preparation of congenic strains of Tetrahymena. Allen SL, et al. J Protozool 18:214-8, May 71
The stability to temperature of lysosomes in homogenates of Tetrahymena pyriformis. Lee D. J Protozool 18:173-5, May 71
Effect of endocytosis upon acid phosphatase activity of tetrahymena pyriformis. Ricketts TR. Protoplasma 71:127-37, 1970

GROWTH & DEVELOPMENT

The effect of low partial pressures of oxygen and shaking on the rate of division in Tetrahymena. Malecki MT, et al. Curr Mod Biol 3:291-8, Feb 71
Oscillation of individual generation times in cells lines of Tetrahymena pyriformis. Jauker F, et al. Exp Cell Res 62:477-80, Oct 70
Effects of steroid hormones on the growth of Tetrahymena. Hamana K, et al. J Biochem (Tokyo) 69:463-9, Mar 71
Continuous monoxenic culture of Tetrahymena pyriformis. Curds CR, et al. J Gen Microbiol 66:95-108, Apr 71
Distribution and pathogenicity of Tetrahymena limacis in the slug Deroceras reticulatum. Michelson EH. Parasitology 62:125-31, Feb 71

IMMUNOLOGY

Immobilization antigens of Tetrahymena pyriformis. I. Assay and extraction. Bruns PJ. Exp Cell Res 65:45-53, Apr 71

METABOLISM

Characteristics of in vitro ribonucleic acid synthesis by macronuclei of Tetrahymena pyriformis. Lee YC, et al. Biochemistry 9:3947-59, 29 Sep 70
Studies on the DNA replication in heat synchronized Tetrahymena pyriformis. Andersen HA, et al. C R Trav Lab Carlsberg 38:123-31, 1970
Respiratory responses to dissolved food of starved, normal and division-synchronized Tetrahymena cells. Hamburger K, et al. C R Trav Lab Carlsberg 38:145-61, 1971
Evidence for a common transport system for a group of amino acids in Tetrahymena. Hoffmann EK, et al. C R Trav Lab Carlsberg 38:133-43, 1970
Induced potassium uptake as a result of increased medium osmolarity in suspensions of Tetrahymena cells. Kramhoft B. C R Trav Lab Carlsberg 37:343-58, 1970
Polols and turnover rates of nuclear ribosomal RNA in Tetrahymena pyriformis. Leick V, et al. Eur J Biochem 14:460-4, Jul 70
Macromolecular events following refeeding of starved Tetrahymena. Cameron IL, et al. Exp Cell Res 65:265-72, Apr 71
Characterization of rapidly labeled RNA in Tetrahymena pyriformis. Prescott DM, et al. Exp Cell Res 67:124-8, Jul 71
Non-continuous synthesis of DNA in Tetrahymena pyriformis W. Read SA, et al. Exp Cell Res 64:239-40, Jan 71
Endocytosis in Tetrahymena pyriformis. The selectivity of uptake of particles and the adaptive increase in cellular acid phosphatase activity. Ricketts TR. Exp Cell Res 66:49-58, May 71
Effect of type of carbohydrate on amino acid accumulation and utilization by Tetrahymena. Reynolds H. J Bacteriol 104:719-25, Nov 70
The relationship between deoxyribonucleic acid replication and cell division in heat-synchronized Tetrahymena. Jeffery WR, et al. J Cell Biol 47:533-43, Sep 70
Studies of membrane formation in Tetrahymena pyriformis. 3. Lipid incorporation into various cellular membranes of logarithmic phase cultures. Nozawa Y, et al. J Cell Biol 49:722-30, Jun 71
Shifts in nuclear and cytoplasmic nucleic acid content in temperature-synchronized Tetrahymena pyriformis (HSM). Lane NM, et al. J Cell Physiol 77:93-102, Feb 71
Electron transport in phosphorylating mitochondria from Tetrahymena pyriformis strain ST. Turner G, et al. J Gen Microbiol 65:359-74, Mar 71
Do synchronizing temperature shifts inhibit RNA synthesis in Tetrahymena pyriformis? Byfield JE, et al. J Protozool 17:445-53, Aug 70
Synchronization of the cell cycle of Tetrahymena by stravation and refeeding. Cameron IL, et al. J Protozool 17:429-31, Aug 70
Studies of messenger RNA during the cell cycle in synchronized mass cultures of Tetrahymena pyriformis GL by hybridization. Christensson EG. J Protozool 17:496-501, Aug 70
Purine and pyrimidine 5'-nucleotide catabolism in Tetrahymena pyriformis W. Conner RL, et al. J Protozool 17:659-62, Nov 70
Use of Tetrahymena pyriformis to evaluate the effects of purine and pyrimidine analogs. Hill DL, et al. J Protozool 17:619-23, Nov 70
Polypeptide synthesis with microsomes from pressure-treated Tetrahymena. Letts PJ, et al. J Protozool 17:593-6, Nov 70
The incorporation of phenylalanine and uridine in Tetrahymena: a pressure study. Lowe-Jinde L, et al. J Protozool 18:20-3, Feb 71
Dehydrogenation and dealkylation of various sterols by Tetrahymena pyriformis. Mallory FB, et al. Lipids 6:149-53, Mar 71
Uptake of putrescine by Tetrahymena. Holm B, et al. Z Zellforsch Mikrosk Anat 115:593-8, 1971

PHYSIOLOGY

The physiological regeneration (reorganization) of the oral apparatus in the Colpidium kleini (Ciliata, Tetrahymenidae). Foissner W. Acta Biol Acad Sci Hung 21:355-67, 1970
Cytolysomes in Tetrahymena pyriformis Gl. I. Synchronized cells dividing in inorganic salt medium. Nilsson JR. C R Trav Lab Carlsberg 38:87-106, 1970
Cytolysomes in Tetrahymena pyriformis Gl. II. Reversible degeneration. Nilsson JR. C R Trav Lab Carlsberg 38:107-21, 1970
[Rhythm and temperature of tetrahymena] Watanabe Y. J Physiol Soc Jap 33:323-5, 1971 (Jap)

RADIATION EFFECTS

Induction of DNA polymerase activity in irradiated Tetrahymena cells. Keiding J, et al. Exp Cell Res 64:317-22, Feb 71
[Change of ultraviolet fluorescence in irradiated cells] Zotikov AA. Izv Akad Nauk SSSR [Biol] 1:144-6, Jan-Feb 71 (Rus)

TETRAIODOTHYRONINE see under THYROXINE (D8)

TETRALOGY OF FALLOT (C16)

Tetralogy of Fallot. A retrospective statistic evaluation of haemodynamic and radiological findings in 199 cases. Davidsen HG, et al. Dan Med Bull 18:Suppl 2:37-48, Jan 71
[Atypical tetralogy of Fallot. Infundibular osbstruction caused by abnormal muscle fasciae] Donatelli R, et al. Minerva Cardioangiol 17:498-511, Aug 69 (Ita)

CLASSIFICATION

[Nosologic significance of Fallot's tetralogy] Santoli C, et al. Minerva Cardioangiol 19:253-60, May 71 (Ita)

COMPLICATIONS

Tricuspid valve subacute bacterial endocarditis complicating tetralogy of Fallot. Maramba LC, et al. Chest 59:227-30, Feb 71
Production of increased right-to-left shunting by rapid heart rates in patients with tetralogy of Fallot. King SB, et al. Circulation 44:265-71, Aug 71
Cyanotic episodes of tetralogy of Fallot. Pathogenesis and management. Herbert WH, et al. Clin Pediatr (Phila) 10:115-8, Feb 71
Haemostatic balance in patients with tetralogy of Fallot. Amris CJ, et al. Dan Med Bull 18:Suppl 2:119+, Jan 71
Supraventricular tachycardia as cause of cyanotic syncopal attacks in tetralogy of Fallot. Young D, et al. N Engl J Med 284:1359-60, 17 Jun 71
[A rare congenital cardiopathy: association of tetralogy with complete atrio-ventricular communication. Clinical detection and surgical repair] d'Allaines C, et al. Arch Mal Coeur 62:996-1013, Jul 69 (Fre)
[Treatment of cyanosis attacks in Fallot's tetralogy (use of buffer substances and propranolol] Martinez J, et al. Arch Mal Coeur 63:1745-60, Dec 70 (Fre)
[Tetralogy of Fallot and auriculo-ventricular block. Disappearance of the conduction disorder after complete surgical repair] Wolff F, et al. Arch Mal Coeur 62:862-72, Jun 69 (Fre)
[Contribution of angiography to the comprehension of spontaneous unilateral rib notching in the tetralogy of Fallot] Collard M, et al. J Radiol Electrol Med Nucl 50:501-8, Jul-Aug 69 (Fre)
[Tetralogy of Fallot associated with situs inversus] Amichot JL, et al. Mars Med 107:629-35, 1970 (Fre)
[Abnormal right pulmonary artery in a patient with Fallot's tetralogy] Shackelford G, et al. Fortschr Geb Roentgenstr Nuklearmed 114:812-6, Jun 71 (Ger)
[Propanolol in Fallot's tetralogy] Wimmer M. Monatsschr Kinderheilkd 119:181-3, May 71 (Ger)
[A case of congenital eventration associated with multiple abnormalities] Stefani M. Riv Anat Patol Oncol 33:529-48, 1968 (Ita)
[Atresia of the left pulmonary artery in tetralogy of Fallot] Aleksi-Meskhishvili VV, et al. Kardiologiia 10:126-8, Jun 70 (Rus)

DIAGNOSIS

Tetralogy of Fallot and heart failure. Chesler E, et al. Am Heart J 81:321-6, Mar 71
Tetralogy of Fallot and heart failure. Chesler E, et al. Am Heart J 8:321-6, Mar 71
Right ventricular anomalous muscle bundle. Clinical and laboratory presentation and natural history. Forster JW, et al. Circulation 43:115-27, Jan 71
Tetralogy of Fallot, terminology and diagnostic criteria. Sandoe E. Dan Med Bull 18:Suppl 2:14-8, Jan 71
Auscultation and intracardial phonocardiography in patients with Tetralogy of Fallot. Wennevold A. Dan Med Bull 18:Suppl 2:49-53, Jan 71
Lung scan in cardiopulmonary disease. I. Tetralogy of Fallot. Lin CY. J Thorac Cardiovasc Surg 61:370-9, Mar 71
[Spatial velocity electrocardiography in the Fallot's tetralogy] Mori H, et al. Jap J Clin Med 29:1625-9, 1971 (Jap)
[Tetralogy of Fallot] Ishii J, et al. Surg Ther (Osaka) 23:449-52, Oct 70 (Jap)
[A case of tetralogy of Fallot with atypical electrocardiogram and vectocardiogram] Ebaid M, et al. Arq Bras Cardiol 23:377-82, Dec 70 (Por)
[Discordance between the position of the liver and the anatomically right atrium (hepato-atrial discordance). Report of a case using mirror dextrocardium in Fallot's tetralogy] Testelli MR. Arch Inst Cardiol Mex 40:471-82, Jul-Aug 70 (Spa)
[Extreme Fallot's tetralogy. Clinical study of 20 cases] Pérez Treviño C, et al. Rev Esp Cardiol 23:250-64, Jun 70 (Spa)

DRUG THERAPY

[Long term treatment with beta blockaders in tetralogy of Fallot] Rasmussen K. Tidsskr Nor Laegeforen 90:2099-100, 15 Nov 70 (Nor)

ETIOLOGY

Aetiology in tetralogy of Fallot. Sorensen HR. Dan Med Bull 18:Suppl 2:19-21, Jan 71
[Tetralogy of Fallot] Födisch HJ, et al. Med Welt 8:281-4, 20 Feb 71 (Ger)
[Fallot's complex. A tentative concept] Décourt LV, et al. Rev Hosp Clin Fac Med Sao Paulo 25:267-75, Jul-Aug 70 (Por)

HISTORY

Early history of the Steno-Fallot tetralogy. Warburg E. Dan Med Bull 18:Suppl 2:9-13, Jan 71
[The so-called tetralogy of Fallot (1888). 1st complete anatomoclinical study (Strasbourg 1861), by Ch. Schutzenberger] Levy A. Presse Med 79:938, 21 Apr 71 (Fre)

MORTALITY

The life history of tetralogy of Fallot. Rygg IH, et al. Dan Med Bull 18:Suppl 2:25-30, Jan 71

OCCURRENCE

Tetralogy of Fallot in Denmark. Incidence among newborns and prognosis up to the age of 3 years. Boesen I. Dan Med Bull 18:Suppl 2:22-4, Jan 71

PATHOLOGY

Anatomic variations in the tetralogy of Fallot. Rao BN, et al. Am Heart J 81:361-71, Mar 71
Anatomic variations in the tetralogy of Fallot. Satyanarayana Rao BN, et al. Am Heart J 8:361-71, Mar 71
Morphological comparison of infundibular pulmonary stenosis and tetralogy of Fallot. Sakashita I, et al. Jap Heart J 12:205-13, May 71
[Morphology and morphogenesis of frequent abnormalities of the arterial end of the heart] Banki H. Wien Klin Wochenschr 83:232-7, 2 Apr 71 (Ger)
[Pathology of congenital heart diseases (developmental anomaly of the heart)] Kajita A. Jap J Thorac Surg 24:252-9, Apr 71 (Jap)

PHYSIOPATHOLOGY

Complete functional systolic obstruction of the right ventricular outflow in the tetralogy of Fallot. Chambers RJ, et al. Am Heart J 80:677-82, Nov 70
Serial cardiac catheterizations and exercise hemodynamics after correction of tetralogy of Fallot: average follow-up 13 months and 7 years after operation. Bristow JD, et al. Circulation 41:1057-66, Jun 70
Pathophysiological factors in tetralogy of Fallot influencing perfusion and immediate postoperative course. Rygg IH. Dan Med Bull 18:Suppl 2:96+, Jan 71
[Characteristics of several kidney functions in patent ductus arteriosus and tetralogy of Fallot in children and adolescents] Zernov NG. Grudn Khir 12:46-51, Sep-Oct 70 (Rus)
[Hypertrophy of muscles of the right ventricle (vectorcardiographic study in the tetralogy of Fallot)] Muradkhanian VS, et al. Zh Eksp Klin Med 8:79-82, 1968 (Rus)

RADIOGRAPHY

Pulmonary vascular disparity in Fallot's anomaly and in simple pulmonary valve stenosis. Quiroga C, et al. Acta Radiol [Diagn] (Stockh) 8:423-32, Sep 69
Ventricular septal defect in tetralogy of Fallot. Kozuka T, et al. Am J Roentgenol Radium Ther Nucl Med 110:497-504, Nov 70
Congenital absence of the pulmonary valve in tetralogy of Fallot and origin of the left pulmonary artery from the aortic arch. Wyler F, et al. Am J Roentgenol Radium Ther Nucl Med 110:505-8, Nov 70
Radiologic notes in cardiology. Angiographic differentiation between tetralogy of Fallot and double-outlet right ventricle. Relationship of the mitral and aortic valves. Baron MG. Circulation 43:451-5, Mar 71
The pulmonary vasculature in tetralogy of Fallot (roentgenographic and cardioangiographic analysis in 50 consecutive cases). Reicher-Reiss H, et al. Clin Radiol 22:341-5, Jul 71
X-ray examination in diagnosing the tetralogy of Fallot in infants. Rosendal T. Dan Med Bull 18:Suppl 2:31-6, Jan 71

SURGERY

Physical development of children with congenital heart

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

disease. Suoninen P.
Acta Paediatr Scand [Suppl] 206:Suppl 206:54+, 1970
Evaluation of patients with tetralogy of Fallot and Potts anastomosis. Von Bernuth G, et al.
Am J Cardiol 27:259-63, Mar 71
Experience in repair of tetralogy of Fallot malformation in adults. Bender HW Jr, et al.
Ann Thorac Surg 11:508-16, Jun 71
Heterograft valve implant in tetralogy with absent pulmonary valve. Cornel G, et al.
Ann Thorac Surg 11:51-6, Jan 71
Correction of double-outlet right ventricle with pulmonary stenosis and aortic insufficiency in a Jehovah's Witness. Hallman GL, et al.
Ann Thorac Surg 11:472-9, May 71
Successful operative repair of acyanotic tetralogy of Fallot in a 61-year-old man. Sisel RJ, et al.
Ann Thorac Surg 11:598-603, Jun 71
Cause of postoperative mortality in open heart repair in tetralogy of Fallot. Aberg TH, et al.
Bull Soc Int Chir 28:332-40, May-Jun 69
Surgical treatment of trilogy and tetralogy of Fallot. Bross W, et al. Bull Soc Int Chir 29:306-10, Sep-Oct 70
Clinical observations on postoperative hyperperfusion of the lungs in tetralogy of Fallot. Gerbode F, et al.
Bull Soc Int Chir 29:311-23, Sep-Oct 70
Total intracardiac repair of the adult cyanotic tetralogy of Fallot: clinical experience and late follow-up. Trimble AS, et al. Can Med Assoc J 103:911-4, 24 Oct 70
Severe pulmonary hypertension after Blalock-Taussig anastomosis in a patient with tetralogy of Fallot. Bernuth G von, et al. Chest 58:380-3, Oct 70
Total correction of tetralogy of Fallot in adolescents and adults. Beach PM Jr, et al.
Circulation 43:Suppl 1:37-43, May 71
Long-term results of aortopulmonary anastomosis for tetralogy of fallot: morbidity and mortality, 1946-1969. Cole RB, et al. Circulation 43:263-71, Feb 71
Postoperative course following complete correction of tetralogy of Fallot. Agger P, et al.
Dan Med Bull 18:Suppl 2:110-4, Jan 71
Tetralogy of Fallot in infants. Boesen I, et al.
Dan Med Bull 18:Suppl 2:81-4, Jan 71
Causes of death in complete correction of tetralogy of Fallot. Borgeskov S, et al.
Dan Med Bull 18:Suppl 2:115-8, Jan 71
Follow-up studies on patients treated with radical operation for tetralogy of Fallot. Borgeskov S, et al.
Dan Med Bull 18:Suppl 2:125-9, Jan 71
Complications and primary results of open repair of cyanotic tetralogy of Fallot. Borgeskov S, et al.
Dan Med Bull 18:Suppl 2:90-5, Jan 71
Open cardiac repair in cyanotic cases of tetralogy of Fallot. Poulsen T, et al.
Dan Med Bull 18:Suppl 2:85-9, Jan 71
An evaluation of the perfusion and the surgical technic related to extracorporeal circulation in an early series of open heart operations of tetralogy of Fallot. Rygg IH, et al. Dan Med Bull 18:Suppl 2:101-9, Jan 71
The palliative surgical treatment of tetralogy of Fallot. Rygg IH, et al. Dan Med Bull 18:Suppl 2:59-80, Jan 71
Results of total correction of tetralogy of Fallot in twentyone cases. Munsi SC, et al.
J Assoc Physicians India 18:585-9, Jul 70
Hockey-stick right ventriculotomy. Study for its use for tetralogy of Fallot. McNamara JJ, et al.
J Cardiovasc Surg (Torino) 11:297-302, Jul-Aug 70
Clinical cardiology. Tetralogy of Fallot. Maim JR.
J Kans Med Soc 1:439, Nov 70
A simple method for closure of the Potts anastomosis with a mechanical stapler. Leand PM, et al.
J Thorac Cardiovasc Surg 62:285-9, Aug 71
Total repair of tetralogy of Fallot and replacement of aortic valve with Starr-Edwards prosthesis. Case report. Peters RM.
J Thorac Cardiovasc Surg 61:599-601, Apr 71
Total correction of Tetralogy of Fallot in adolescents and adults. Beach PM, et al.
NY State J Med 71:2168-9, 15 Sep 71
[Complete correction of a tetralogy of Fallot with pulmonary atresia by use of an aortic homograft] Aubert J, et al.
Ann Chir Thorac Cardiovasc 10:161-5, 1971 (Fre)
[Cavo-pulmonary anastomosis. Complete correction of tetralogy of Fallot by open heart surgery after cavo-pulmonary anastomosis] Bloch G, et al.
Ann Chir Thorac Cardiovasc 9:439-42, Oct 70 (Fre)
[Dual right ventricular outflow tract with pulmonary stenosis. Surgical correction] Monties JR, et al.
Ann Chir Thorac Cardiovasc 8:473-6, Oct 69 (Fre)
[Waterston's anastomosis complicated by severe pulmonary arterial hypertension. Complete repair; recovery] Soyer R, et al.
Ann Chir Thorac Cardiovasc 10:149-53, 1971 (Fre)
[Suture technics in small-diameter blood vessels of still growing organisms] Vichnevski AA.
Bull Soc Int Chir 28:278-84, Mar-Apr 69 (Fre)
[Complete correction of tetralogy of Fallot before 5 years of age. Apropos of 26 operated cases] Monties JR, et al. Pediatrie 26:561-5, Jul-Aug 71 (Fre)
[The Blalock-Taussig anastomosis critically evaluated from the standpoint of delayed results in the tetralogy of Fallot] Bross W, et al.
Bull Soc Int Chir 28:341-5, May-Jun 69 (Ger)
[Surgical shunt for tetralogy of Fallot associated with double aortic arch] Waterston DJ, et al.
Dtsch Med Wochenschr 96:1191-5, 9 Jul 71 (Ger)
[Intraoperative measurements of blood flow volume in heart surgery in infancy and childhood] Storch HH, et al. Langenbecks Arch Chir 322:657-61, 1968 (Ger)
[Expanded indications and procedure selection for the placement of aortopulmonary anastomoses with reference to bitemporal surgery in severe cases of tetrallogy of Fallot] Bircks W, et al.
Thoraxchirurgie 18:475-85, Dec 70 (Ger)
[Shunt vitium with decreased blood circulation of the lung] Schwarz H.
Thoraxchirurgie 18:303-6, Aug 70 (Ger)
[Postoperative changes in tetralogy of Fallot] Wilke KH, et al.
Verh Dtsch Ges Inn Med 75:408-12, 1969 (Ger)
[Tetralogy of Fallot and indications for surgery] Bock K, et al. Z Gesamte Inn Med 25:1010-3, 15 Nov 70 (Ger)
[Surgical treatment of tetralogy of Fallot in 1st 24 months of life. Intrapericardiac aorto-pulmonary anastomosis] Azzolina G, et al.
Minerva Pediatr 23:794-802, 5 May 71 (Ita)
[Postoperative circulatory hemodynamics in tetralogy of Fallot] Morisawa S.
Acta Med (Fukuoka) 41:1-21, Jan 71 (Jap)
[Fallot's tetralogy] Arai T.
Jap J Thorac Surg 24:185-92, Mar 71 (Jap)
[Corrective surgery of tetralogy of Fallot] Asano K, et al. Jap J Thorac Surg 24:77-85, Feb 71 (Jap)
[Left axis deviation developing after surgery of tetralogy of Fallot] Ishikawa N, et al.
Jap J Thorac Surg 24:415-21, Jun 71 (Jap)
[Case of Aspergillus endocarditis in a patient following surgery for Fallot's tetralogy] Grabowski H, et al.
Pol Tyg Lek 26:520-1, 5 Apr 71 (Pol)
[Recurrent interventricular communication after surgical correction of Fallot's complex. Clinical and hemodynamic evaluation of 18 cases in 93 operations] Ribeiro-Dias A, et al.
Rev Paul Med 77:53-6, Mar 71 (Por)
[Medical problems and surgical indications in Fallot's tetrad] Kleinerman L, et al.
Med Interna (Bucur) 22:1505-9, Dec 70 (Rum)
[Development of pulmonary hypertension after nonradical correction of tetralogy of Fallot] Gribovod AF. Arkh Patol 32:65-7, 1970 (Rus)
[Thrombosis of interarterial anastomosis in tetralogy of Fallot] Ryshkin VS, et al.
Grudn Khir 13:21-5, Mar-Apr 71 (Rus)
[A complication following establishment of an aortopulmonary anastomosis] Semenov GV, et al.
Grudn Khir 13:114-5, Mar-Apr 71 (Rus)
[Method and thermodynamics of craniocerebral hypothermia in open heart surgery] Bukov VA, et al.
Kardiologiia 10:138-42, Nov 70 (Rus)
[Postoperative phonomechanocardiographic evaluation of Fallot's tetralogy with total corrective surgery] Calviño GE, et al.
Prensa Med Argent 57:1882-7, 4 Dec 70 (Spa)

THERAPY

Extrapulmonary oxygenation by giving hydrogen peroxide by enema. Yun DJ.
Yonsei Med J 10:125-38, 1969

TETRAPLEGIA see QUADRIPLEGIA (C10)

TETRAZOLES see under AZOLES (D2)

TETRAZOLIUM SALTS (D13)

Studies on the tetrazolium reduction assay for follicle-stimulating hormone. Bell ET, et al.
Acta Endocrinol (Kbh) 65:459-65, Nov 70
Tetrazolium salt staining method and identification of glutamate dehydrogenase. Pashev IG.
Clin Chim Acta 30:25-9, Oct 70
Tetrazolium staining of lactate dehydrogenase isoenzymes: reduction of tetrazolium salts in the absence of added L-lactic acid. Ferguson EE Jr.
Enzymologia 40:81-98, 28 Feb 71
A tetrazolium method for non-specific alkaline phosphatase. McGadey J. Histochemie 23:180-4, 1970
The application of tetrazolium bioautography to the identification of folic acid derivatives. Leeming RJ, et al. J Clin Pathol 23:411-3, Jul 70
An osmiophilic distyryl ditetrazolium salt (DS-NBT) for ultrastructural dehydrogenase activity. Seligman AM, et al. J Histochem Cytochem 19:273-85, May 71
Nitroblue tetrazolium test. McCall CE, et al.
J Pediatr 79:170-2, Jul 71
The use and limitations of the nitroblue tetrazolium test as a diagnostic aid. Park BH.
J Pediatr 78:376-8, Feb 71
N.B.T. test in parasitic disease. Chretien JH, et al.
Lancet 2:549, 4 Sep 71
[Histochemical demonstration of histidine with diazonium-1-H-tetrazole] Hahn von Dorsche H, et al.
Acta Histochem (Jena) 38:263-9, 1970 (Ger)
[An improved histochemical detection method for tissue damage using monotetrazolium salts] Seidler E, et al. Acta Histochem (Jena) 39:148-53, 1971 (Ger)
[TTC-reaction of alpha-ketoisteroids. 2. Reichstein S] Möhrle H, et al.
Arch Pharm (Weinheim) 303:771-4, Sep 70 (Ger)
[Critical examinations on the differential diagnostic value of Griess test and TTC-test in comparison with a simplified bacteriological proof of clinically significant bacteriurias] Gernand K, et al.
Dtsch Gesundheitsw 25:754-9, 23 Apr 70 (Ger)
[Analysis of steroids. II. A note on the assay of corticoid preparations by tetrazolium salt] Nagasawa K, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:63-4, 1970 (Jap)
[Use of triphenoltetrazolium compounds in microbiology and sanitary-bacteriological practice (literature review)] Korsh LE.
Lab Delo 4:201-4, 1970 (24 ref.) (Rus)

ANALYSIS

A study on the quantitative determination of intracellular formazan by microspectrophotometry. Miyamoto H, et al.
Tokushima J Exp Med 17:57-67, Nov 70
[Preparation and analysis on monotetrazolium salts for histochemistry] Seidler E, et al.
Z Med Labortech 12:143-50, 1971 (Ger)

ANTAGONISTS & INHIBITORS

The inhibition of reduction of tetrazolium by a protein liver. Fried R, et al. Eur J Biochem 16:399-406, Nov 70

CHEMICAL SYNTHESIS

[Preparation and analysis on monotetrazolium salts for histochemistry] Seidler E, et al.
Z Med Labortech 12:143-50, 1971 (Ger)

DIAGNOSTIC USE

Iodonitrotetrazolium vital staining of cornea and conjunctiva. Norn MS.
Acta Ophthalmol (Kbh) 49:90-102, 1971
Nitroblue tetrazolium dye test as an aid in the differential diagnosis of febrile disorders. Feigin RD, et al. J Pediatr 78:230-7, Feb 71
N.B.T. test in malaria. Andersen BR.
Lancet 2:317, 7 Aug 71
N.B.T. tests in a patient on steroids. Matula G, et al.
Lancet 1:803-4, 17 Apr 71
NBT test in the diagnosis of febrile patients. Feigin RD.
N Engl J Med 285:347-8, 5 Aug 71
Spontaneous in vitro reduction of nitroblue tetrazolium by neutrophils of adult patients with bacterial infection. Matula G, et al.
N Engl J Med 285:311-7, 5 Aug 71
Colorimetric estimation of succinic dehydrogenase activity by neotetrazolium chloride as a tumor sensitivity test to chemotherapeutic agents. Ichihashi H, et al. Nagoya J Med Sci 33:247-56, Feb 71
The histochemical nitroblue tetrazolium reduction test in the differential diagnosis of acute infections. Humbert JR, et al. Pediatrics 48:259-67, Aug 71
[Triphenyltetrazolium chloride test (TTC) as a method for determination of significant bacteriuria] Dražilová V, et al. Vnitr Lek 17:544-50, Jun 71 (Cze)
[Urological screening tests in pregnancy, in the puerperium and during outpatient care] Jürgens H.
Dtsch Gesundheitsw 26:554-8, 18 Mar 71 (Ger)
[Triphenyltetrazoliumchloride test and its usefulness within the system of screening tests in urinary tract infections] Kleinbaum H.
Dtsch Gesundheitsw 25:2060-2, 29 Oct 70 (Ger)
[The MTTC test in the cytological diagnosis of effusions into large cavities] Giacobbe E.
Boll Soc Ital Biol Sper 46:539-41, 15 Jun 70 (Ita)
[New investigation method in the early diagnosis of cancers of the cervix uteri] Giacobbe E, et al.
Minerva Ginecol 22:450-3, 30 Apr 70 (Ita)
[The nitroblue tetrazolium test in the premature infant] Cocchi P, et al.
Minerva Pediatr 23:185-7, 4 Feb 71 (Ita)

METABOLISM

Nitroblue-tetrazolium reduction by neutrophils of newborn infants in in vitro phagocytosis test. Cocchi P, et al. Acta Paediatr Scand 60:475-8, Jul 71
Am improved cytochemical method for nitroblue tetra-zolium reduction by neutrophils. Hicks RG, et al.
Am J Med Technol 37:228-9, Jun 71
A study on the neotetrazolium reductase system in the kidney cells of chick embryo by microspectrophotometry. I. Determination of the activity of the NAD-dependent dehydrogenase system. Miyamoto H, et al.
Tokushima J Exp Med 17:69-74, Nov 70
A study on the neotetrazolium reductase system in the kidney cells of chick embryo by microspectrophotometry. II. Determination of the activity of the NADP-dependent dehydrogenase system. Sone H, et al.
Tokushima J Exp Med 17:75-9, Nov 70
[NBT-test used on Mycoplasma] Balducci L, et al.
Boll Soc Ital Biol Sper 46:724-5, 30 Sep 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHARMACODYNAMICS

Effects of ditetrazolium salts on respiration and phosphorylation of rat-liver mitochondria. Miyamoto H, et al. Tokushima J Exp Med 17:81-90, Nov 70
[Studies on earlier detection of mycobacterial growth by application of STC (2,3-diphenyl-5-thienyl-(2)-tetrazolium chloride)] Osato T, et al. Kekkaku 46:335-40, Aug 71 (Jap)

TETRODOTOXIN (D12)

Model for the action of tetrodotoxin and batrachotoxin. Smythies JR, et al. Nature (Lond) 231:188-90, 21 May 71

CHEMICAL SYNTHESIS

Synthetic approach towards tetrodotoxin. II. A stereospecific synthesis of a compound having the same six chiral centers on the cyclohexane ring as those of tetrodotoxin. Kishi Y, et al. Tetrahedron Lett 59:5129-32, Dec 70
Synthetic approach towards tetrodotoxin. I. Diels-Alder reaction of alpha-oximinoethylbenzooquinones with butadiene. Kishi Y, et al. Tetrahedron Lett 59:5127-8, Dec 70

ISOLATION & PURIFICATION

Occurrence of a tetrodotoxin-like substance in a goby Gobius criniger. Hashimoto Y, et al. Toxicon 9:79-84, Jan 71

PHARMACODYNAMICS

Action potential generation in denervated rat skeletal muscle. II. The action of tetrodotoxin. Redfern P, et al. Acta Physiol Scand 82:70-8, May 71
Tetrodotoxin-sensitive uptake of ions and water byslices of rat brain in vitro. Okamoto K, et al. Biochem J 120:37-47, Nov 70
The effects of tetrodotoxin on the evoked potentials of the guinea-pig prepiriform cortex. Richards CD, et al. Brain Res 26:446-9, 5 Mar 71
Some effects of clonidine, procaine and tetrodotoxin on crayfish sensory neuron. Washizu Y. Eur J Immunol 14:384-8, May 71
Resistance to tetrodotoxin in the isolated ileum of the rat. Goldenberg MM. J Pharm Pharmacol 23:621-2, Aug 71
Vasodilatory effects of tetrodotoxin in the cat. Kao CY, et al. J Pharmacol Exp Ther 178:110-21, Jul 71
Negative chronotropic effects of McN A-343 and nicotine in isolated guinea-pig atria: insensitivity to blockade by tetrodotoxin. Pappano AJ, et al. J Pharmacol Exp Ther 177:40-7, Apr 71
The binding of tetrodotoxin to nerve membranes. Keynes RD, et al. J Physiol (Lond) 213:235-54, Feb 71
Effect of tetrodotoxin and manganese ion on the aconitine-induced arrhythmias of the isolated rabbit atrium and ventricle. Huang TF. Jap J Physiol 20:435-43, Aug 70
[Tetrodotoxin, calcium and scorpion venom] Tazieff-Depierre F. C R Acad Sci [D] (Paris) 271:1655-7, 2 Nov 70 (Fre)
[Effect of various inhibitors of ionic permeability on the transmembranal electric activity of the ventricular myocardium in the monkey (Cercopithecidae family)] Walden M, et al. C R Soc Biol (Paris) 164:1612-6, 1970 (Fre)
[Differences in the mechanism of the depressant effect of tetrodotoxin and novocaine on frog skeletal muscle fibers] Khodorov BI, et al. Biull Eksp Biol Med 63:34-8, Nov 67 (Rus)
[Tetrodotoxin action on the electrical activity and contraction of myocardial cells] Orlov RS, et al. Dokl Akad Nauk SSSR 185:221-4, Mar-Apr 69 (Rus)

POISONING

[Globefish poisoning] Nuki B. Naika 27:533-5, Mar 71 (Jap)

THERAPEUTIC USE

[Influence of sodium perfusion on the respective anti-arrhythmic effects of imipramine and tetrodotoxin against aconitine in rats] Lagier G, et al. Therapie 26:109-19, Jan-Feb 71 (Fre)

TETROSES (D11)

D-erythrose-induced hyperglycemia. Levy J, et al. Isr J Med Sci 7:321-2, Feb 71

ANALYSIS

Oligo- and polyfructosides from the bulbs of two Leucojum species. Hammer H. Acta Chem Scand 24:1294-300, 1970

PHARMACODYNAMICS

Regulation of pyrimidine ribonucleoside incorporation in isolated bone cells. Stimulation by insulin and by 2,3-dihydroxy-1,4-dithiobutane (dithiothreitol). Peck WA, et al. J Biol Chem 246:4439-46, 25 Jul 71
Studies on the mechanism of inhibition of growth of Vibrio cholerae by erythrose. Nath J, et al. J Gen Microbiol 62:17-25, Jul 70

TEXTILE INDUSTRY (J)

Failure to find increased excretion of zinc or magnesium in humans exposed to carbon disulphide. Hernberg S, et al. Med Lav 60:163-8, Mar 69
Prevalence of coronary heart disease among 253 viscose-rayon workers admitted to the Clinica del Lavoro of Milan from 1947 to 1969. Locati G, et al. Med Lav 61:442-6, Aug-Sep 70
[Occupational hypoacousia in the textile industry] Ghezzi I, et al. Arch Mal Prof 31:46-8, Jan-Feb 70 (Fre)
[Bronchial reactivity in flax byssinosis] Barbu Z, et al. Bronches 18:537-41, Nov-Dec 68 (Fre)
[A case of occupational allergy to tamarind flour] Ciria AM, et al. Med Lav 61:447-51, Aug-Sep 70 (Ita)
[Absenteeism in the textile industry (results of a survey conducted in 1967)] Ghezzi I, et al. Med Lav 60:433-57, Jun-Jul 69 (Ita)
[Practical experience in measures to reduce noise in a chemico-textile industry] Graffagnini S. Med Lav 61:652-7, Dec 70 (Ita)
[Study of hearing loss due to noise in the textile industry] Meriuzzi F, et al. Med Lav 60:375-87, May 69 (Ita)
[Incidence of Candida yeast-like fungi in cases of respiratory tract infections in textile workers] Naruszewicz S. Pol Tyg Lek 26:239-42, 15 Feb 71 (Pol)
[Physical development of weavers at the Naro-Fominsk silk combine] Dogle NV, et al. Gig Sanit 36:32-6, 1971 (Rus)
[Hygienic assessment of occupational training of young persons in rayon spinning shops] Kramarenko IB, et al. Gig Sanit 35:28-32, Sep 70 (Rus)
[Problems of industrial hygiene in the carpet industry] Lutov VA, et al. Gig Sanit 35:97-8, Feb 70 (Rus)
[Elimination of electrostatic charges in the sewing industry] Muminov BD, et al. Gig Sanit 36:94-6, 1971 (Rus)
[Effect of occupational and technical conditions in the spinning and weaving industry on the health of adolescent girls during training] Rostombekova NV. Gig Sanit 35:20-4, Sep 70 (Rus)
[Comparative characteristics of the feet of weavers, spinners and office workers] Dogle NV, et al. Gig Tr Prof Zabol 14:4-7, Sep 70 (Rus)
[Some hygienic characteristics of work conditions in the pilot unit department of the Mogilev synthetic fiber combine] Tkach EN, et al. Gig Tr Prof Zabol 15:51-3, 1971 (Rus)
[Pathogenetic factors in the developmenht of eczematous processes among dye shop workers in a worsted combine] Venediktova KP. Klin Med (Mosk) 49:121-4, Mar 71 (Rus)
[Allergic dermatoses in workers in a chemical fiber combine] Sergeev MA, et al. Sov Med 34:135-8, Jan 71 (Rus)
[Experience in carrying out a complex medical survey to determine the state of workers' health] Dubynina EI. Sov Zdravookhr 29:30-4, 1970 (Rus)
[Labor conditions and rheumatic fever in the silk-weaving mills] Zaitseva MP. Zdravookhr Ross Fed 15:7-10, Jun 71 (Rus)
[Anemia in Croatia. I. Clinical and hematological analysis of 858 female workers from the Zagreb factories "Nada Dimic" and "Josip Kras"] Knežević J, et al. Acta Med Iugosl 24:209-27, 1970 (Cro)

TEXTILES (J)

see also related
COTTON (B6)
WOOL (A13)

Bacteria in laundered fabrics. Nicholes PS. Am J Public Health 60:2175-80, Nov 70
New method for evaluating antibacterial activity directly on fabric. Lashen ES. Appl Microbiol 21:771-3, Apr 71
Quantitative studies on fabrics as disseminators of viruses. V. Effect of laundering on poliovirus-contaminated fabrics. Sidwell RW, et al. Appl Microbiol 21:227-34, Feb 71
Quantitative studies on fabrics as disseminators of viruses. V. Effect of launderingon poliovirus-contaminated fabrics. Sidwell RW, et al. Appl Microbiol 21:227-34, Feb 71
Carbon fibre-based harness for artificial arms. Ring ND, et al. Biomed Eng 6:17-21, Jan 71
Experience with negatively charged polyurethane-backed velours. Sharp WV, et al. J Biomed Mater Res 5:75-81, 1971
The survival of Streptococcus pyogenes on bacteriological swabs made from various fibres. Dadd AH, et al. J Med Microbiol 3:561-72, Nov 70
Dynamic insulation: an equation relating airflow, assembly thickness and conductance. Crockford GW, et al. Proc R Soc Med 63:1012-3, Oct 70
Use of tissue culture techniques to evaluate new materials developed to serve as artificial heart linings. Schutz L, et al. Surgery 69:557-62, Apr 71
[Use of French rhodergon velvet in cardiovascular surgery] Servelle M, et al. Ann Chir Thorac Cardiovasc 10:295-8, Jul 71 (Fre)
[A new dressing: textile papers or non-woven cloths; comparison with hydrophilic Codex gauze] Roux A, et al. Ann Pharm Fr 27:359-62, May 69 (Fre)
[Chronic bronchitis among workers of a textile mill. Clinical and radiological screening] Pregowski W, et al. Rev Tuberc Pneumol (Paris) 34:753-5, Jul-Aug 70 (Fre)
[Practical use of antidermatophyticly active textiles, bathroom mats, bathroom slippers and rubber boots] Jung HD. Mykosen 11:599-601, 1 Aug 68 (Ger)
[Polyester yarn hip arthroplasty] Marciniak W. Poznan Tow Przyj Nauk Wydz Lek 38:129-68, Apr 68 (Pol)
[Hygienic assessment of fireproof fabrics treated with an organophosphorus impregnating compound based on tetrahydroxymethyiphosphonium chloride] Afanas'eva LV, et al. Gig Sanit 36:102-3, 1971 (Rus)
[Studying the properties of textiles in relation to hot, dry climatic conditions] Muminov BD. Gig Sanit 35:113-5, Feb 70 (Rus)
[Antimicrobial gauze surgical mask] Ashatkin VA. Khirurgiia (Mosk) 47:89-92, Jan 71 (Rus)
[Prospects of using antimicrobaal materials in surgical practice] Milonov OB, et al. Khirurgiia (Mosk) 46:117-21, Apr 70 (Rus)
[Adherence of textile fibers to jacketless bullets during gunshot wounds through clothing] Ignatenko AP. Sud Med Ekspert 13:43-4, Oct-Dec 70 (Rus)
[Principles and methodological procedures in the hygienic evaluation of polymeric materials and chemical compounds used in clothing] Minkh AA, et al. Vestn Akad Med Nauk SSSR 25:13-24, 1970 (Rus)

ANALYSIS

A comparison and evaluation of techniques for identification of synthetic fibers. Rouen RA, et al. J Forensic Sci 15:410-32, Jul 70

STANDARDS

Flammability of drape materials in nitrous oxide and oxygen. Cameron BG, et al. Anaesthesia 26:281-8, Jul 71
Cloth cover wear of the struts of the Starr-Edwards aortic valve prosthesis. A case report. Ablaza SG, et al. J Thorac Cardiovasc Surg 61:315-8, Feb 71

TFE see under FLUOROCARBON POLYMERS (D13)

THALAMIC NUCLEI (A8)

[Emotional-affective reactions evokec by electrostimulation of the ventrolateral nucieus of the optic thalamus] Il'inskiĭ IA. Vopr Neirokhir 34:26-9, Jul-Aug 70 (Rus)

ANATOMY & HISTOLOGY

Mid-line thalamic nuclei in the dog. Miodoński A. Acta Neurobiol Exp (Warsz) 30:157-79, 1970
The myeloarchitectonics of the dorsomedial thalamic nucieus of the dog. Sychowa B. Acta Neurobiol Exp (Warsz) 30:145-56, 1970
A projection from the nucieus Z to the ventral nuclear complex of the thalamus in the cat. Boivie J, et al. Acta Physiol Scand 80:11A, Dec 70
An anatomical study of the efferent connections of the thalamic reticular nucieus. Minderhoud JM. Exp Brain Res 112:435-46, 26 May 71
An experimental study of subcortical projections of the nucieus ventralis anterior in the cat. Kaelber WW. J Anat 107:399-406, Nov 70
An experimental study of ascending connections from the posterior group of thalamic nuclei in the cat. Heath CJ, et al. J Comp Neurol 141:397-426, Apr 71

CYTOLOGY

[Nuclear areas and their cytology in the region of the thalamus and the epithalamus of the guinea pig (Cavia porcellus L.)] Völker H. Anat Anz 127:38-59, 1970 (Ger)
[Nuclei of the human brain stem. 3. Centrum medianum thalami and Nucieus parafascicularis] Braak H. Z Zellforsch Mikrosk Anat 114:331-43, 1971 (Ger)

DRUG EFFECTS

[Effect of hydroxyzine and oxylidine on the central nervous system] Novikova GV, et al. Farmakol Toksikol 34:131-5, 1971 (Rus)
[The effect of nembutal on afferent transmission in the thalamic somatosensory relay] Rabin AG, et al. Zh Vyssh Nerv Deiat 19:644-52, Jul-Aug 69 (Rus)

[Changes in intracentral interrelationships in the brain under the influence of analgesics] Skorobogatov VI. Zh Vyssh Nerv Deiat 20:577-84, Jul-Aug 70 (Rus)

EMBRYOLOGY

[The development of the non-specific nuclei of the rabbit optic thalamus derived from the ventral thalamus] Belova TI.
Biull Eksp Biol Med 68:106-13, Sep 68 (Rus)

ENZYMOLOGY

The enzyme histochemistry of the habenular nuclei of the rat. Trentini GP, et al.
Ann Histochim 15:207-18, Jul-Sep 70

PATHOLOGY

Severe chorea with degeneration of the nucleus centrum medianum. Report of a case. Adams JE, et al.
Arch Neurol 24:101-5, Feb 71
Changes in the numbers of neurons and glial cells in the lateral geniculate nucleus of the monkey during retrograde cell degeneration. Mihailović LT, et al.
J Comp Neurol 142:223-9, Jun 71
[Cellular and subcellular structure of the ventrolateral nucleus of the thalamus in Parkinson's disease. Iron deposits] Rojas G, et al.
Rev Med Chil 99:436-8, Jun 71 (Spa)

PHYSIOLOGY

Thalamo-cortical rhythmicity during reversible visual deafferentation. Andersson S, et al.
Acta Physiol Scand 80:44A, Dec 70
The projection of group I muscle afferents from the hindlimb to the contralateral thalamus of the cat. Landgren S, et al. Acta Physiol Scand 80:10A, Dec 70
Inhibitory interactiions between thalaic VPL nuclei of the two sides. Bava A, et al.
Arch Ital Biol 108:462-84, Aug 70
Properties of ventrobasal thalamic neurones in cat following interruption of specific afferent pathways. Bowsher D. Arch Ital Biol 109:59-74, Apr 71
Thalamic sensory nuclear ablations in trained monkeys. Schwartzman RJ. Arch Neurol 23:419-29, Nov 70
Subcortical commissural interactions between the thalamic trigeminal relay-nuclei. Bava A, et al.
Arch Sci Biol (Bologna) 54:15-34, Jan-Mar 70
A midbrain projection to the centre median nucleus of the thalamus. A neurophysiological study. Dila CJ.
Brain Res 25:63-74, 8 Jan 71
Bicuculline and inhibition in the thalamus. Duggan AW, et al. Brain Res 25:188-91, 8 Jan 71
Responses evoked in nucleus medialis dorsalis of the thalamus by subcortical stimulation. A microelectrode study. Encabo H, et al.
Brain Res 28:35-46, 16 Apr 71
Prolonged conductance increase in thalamic neurons during synchronizing inhibition. Feldman MH, et al.
Brain Res 24:329-32, 1 Dec 70
Effects of cortical and thalamic lesions on temperature discrimination and responsiveness to foot shock in the rat. Finger S, et al. Brain Res 24:69-89, 11 Nov 70
Basal ganglia-diencephalon synpatic relations in the cat. II. Intracellular recordings from dorsal thalamic neurons during low frequency stimulation of the caudatothalamic projection systems and the nigrothalamic pathway. Frigyesi TL, et al.
Brain Res 27:59-78, 19 Mar 71
Basal ganglia-diencephalon synaptic relations in the cat. I. An intracellular study of dorsal thalamic neurons during capsular and basal ganglia stimulation. Frigyesi TL, et al. Brain Res 20:301-17, 3 Jun 70
The thalamocortical system as a neuronal machine: the interaction of ventrolateral nucleus with sensorimotor cortex in the cat. Johnson RN, et al.
Brain Res 18:219-39, 3 Mar 70
An elementary description of thalamocortical system dynamics in the cat. Johnson RN, et al.
Brain Res 31:119-37, 7 Aug 71
Hippocampal and neostriatal inhibition of extralemniscal thalamic unitary responses in the cat. McKenzie JS, et al. Brain Res 27:382-5, 2 Apr 71
Brain stem reticular effects on intralaminar thalamic neurons in the cat. Mancia M, et al.
Brain Res 25:638-41, 5 Feb 71
Intracellular study of intralaminar thalmic neurones during brain stem reticular stimulation. Mancia M, et al. Brain Res 24:547, 18 Dec 70
Thalamic 'warming' and 'cooling' units responding to cutaneous stimulation. Martin HF 3d, et al.
Brain Res 27:377-81, 2 Apr 71
Thalamo-amygdaler relationships. An evoked potential study. Niemer WT, et al. Brain Res 24:191-205, 1 Dec 70
Clustered firing in the cerebello-thalamic pathway during synchronized sleep. Steriade M, et al.
Brain Res 26:425-32, 5 Mar 71
Electrophysiological concomitants of spreading depression in caudate and thalamic nuclei of the cat. Trachtenberg MC, et al. Brain Res 20:219-31, 3 Jun 70
Functional organization of the internal medullary lamina in man. Sano K, et al.
Confin Neurol 32:374-80, 1970
The role of the thalamus (VL) and pallidum in the activation of motor functions. Toth S.
Confin Neurol 32:126-7, 1970
Habituation to electrical stimulation of the thalamus in unanaesthetized cats. Wester K.
Electroencephalogr Clin Neurophysiol 30:52-61, Jan 71
Entopeduncular projection to the thalmic ventrolateral nucleus of the cat. Dormont JF, et al.
Exp Brain Res 12:254-64, 1971
Responses of single unit in the caudate nucleus to thalamic stimulation. Kaji S, et al.
Exp Neurol 30:447-58, Mar 71
Presynaptic excitability changes of trigeminothalamic and corticothalamic afferents. Sessle BJ, et al.
Exp Neurol 30:239-50, Feb 71
Cerebellar effects on the cerebrum. A microelectrical analysis of somatosensory cortex. Snider RS, et al.
Int J Neurol 7:141-51, 1970
The organization of mechanoreceptive projections in the ventrobasal thalamus of sheep. Cabral RJ, et al.
J Comp Neurol 141:17-35, Jan 71
Conditional cardiac and suppression responses after lesions in the dorsomedial thalamus of monkeys. Nathan MA, et al.
J Comp Physiol Psychol 76:66-73, Jul 71
Control of unitary activities in cerebellothalamic pathway during wakefulness and synchronized sleep. Steriade M, et al. J Neurophysiol 34:389-413, May 71
An electrophysiological study of the somatic posterior group. Curry MJ. J Physiol (Lond) 216:56P-57P, Jul 71
Spontaneous activity of neurones of nucleus reticularis thalami in freely moving cats. Mukhametov LM, et al.
J Physiol (Lond) 210:651-67, Oct 70
Characteristics of driving of units in the sensorimotor cortex by center median nucleus and its inhibition by entopeduncular nucleus. Blum B.
Life Sci [I] 9:1389-96, 15 Dec 70
Activities of anterior cingulate gyrus on anterior thalamic nuclei in cat. Arikuni T, et al.
Med J Osaka Univ 20:199-213, Mar 70
[Studies on the efferences from the nucleus medialis of the thalamus to the cortex and strio-pallidal structures in cats] Bénita M, et al.
Exp Brain Res 12:204-22, 25 Feb 71 (Fre)
[Repetitive neuronal discharge in slow and paradoxical sleep] Benoit O, et al.
J Physiol (Paris) 62:Suppl 2:245, 1970 (Fre)
[Deficits observed during learning acquisition in rats after reticular thalamic nucleus injury] Cazala P, et al.
J Physiol (Paris) 63:22A-23A, Mar-Apr 71 (Fre)
[Relations between the entopedunuclar nucleus and ventro-lateral thalamic nuclei: difficulties of interpretation of extracellular recordings] Dormont JF, et al. J Physiol (Paris) 1:Suppl 1:122, 1969 (Fre)
[Study in the isolated cat brain of visual receptor fields of pulvinar neurons and of the lateroposterior thalamic nucleus by posting static and moving pictures on a television screen] Veraart C, et al.
J Physiol (Paris) 62:Suppl 3:459+, 1970 (Fre)
[Presynaptic and postsynaptic changes in the ncleus ventralis lateralis during the sleep-waking cycle] Favale E, et al. Riv Neurol 40:299-303, Sep-Oct 70 (Ita)
[Stimulation of the thalamic nucleus and the evoked response of the cerebral cortex--with special reference to the difference between animals and human] Matsumoto K, et al.
Brain Nerve (Tokyo) 23:41-51, Jan 71 (Jap)
[A correlation between latencies of responses to ortho- and antidromic stimulation in cells of the cat anterior thalamic nuclei] Arikuni T, et al.
J Physiol Soc Jap 32:619-20, Sep 70 (Jap)
[Participation of N. VPL of the thalamus in the distribution of the afferent flow to the projection fields of the cat cerebral cortex] Kalistratov GF.
Dokl Akad Nauk SSSR 188:950-3, Oct 69 (Rus)
[Reactions of the mesencephalon reticular neurons during electric stimulation of the posterior ventral thalamic nuclei] Tsaturov VL, et al.
Dokl Akad Nauk SSSR 194:238-40, Sep-Oct 70 (Rus)
[Interaction between the posterior lateral nucleus of the thalamus and specific afferent systems] Batuev AS, et al. Fiziol Zh SSSR 56:979-87, 1970 (Rus)
[Functinonal characteristics of the links of the brain system controlling mental and motor functions in man] Bekhtereva NP, et al.
Fiziol Zh SSSR 56:1081-97, Aug 70 (Rus)
[The influence of the mesencephalic reticular formation on the structure of the anterior and intermediate brain] Borodkin IuS, et al.
Fiziol Zh SSSR 56:973-8, 1970 (Rus)
[An analysis of the subcortical mechanisms causing pain in animals] Domingez M.
Fiziol Zh SSSR 56:968-95, 1970 (Rus)
[The pathways of short latent reticulo-cortical response propagation] Loskutova LV.
Fiziol Zh SSSR 56:963-6, 1970 (Rus)
[Role of the thalamo-cortical projection system in motor-defensive instrumental reflexes] Shapovalova KB. Fiziol Zh SSSR 57:937-47, Jul 71 (Rus)
[An electroencephalographic analysis of the interrelationship between the neocerebellum and several structures of the anterior and middle brain] Zaitsev IuV, et al.
Fiziol Zh SSSR 56:332-8, Mar 70 (Rus)
[Cortical evoked responses following destruction of the nuclei of the associative thalamic system] Vasil'eva LA. Nerv Sist 10:133-6, 1969 (Rus)
[Bioelectrical reactions in thalamic nuclei during chemical stimulation of intestinal receptors] Vasilevskaia NK, et al.
Vestn Leningr Univ [Biol] 1:84-93, Feb 70 (Rus)
[The rhythm of alertness and its neuronal correlates in the rabbit thalamus] Danilova NN, et al.
Zh Vyssh Nerv Deiat 21:566-71, 1971 (Rus)
[A comparative analysis of participation by the caudal and rostral parts of the brain stem in the genesis of cortical synchronization] Gil'man IM.
Zh Vyssh Nerv Deiat 20:585-93, Jul-Aug 70 (Rus)
[Disorders in the regulation of the general functional state of the brain following destruction of non-specific structures] Kostenetskaia NA, et al.
Zh Vyssh Nerv Deiat 21:538-44, 1971 (Rus)
[The role of conditioned reflex mechanisms in the course of higher nervous activity disorders in the presence of non-specific lesions of brain structures] Kostenetskaia NA.
Zh Vyssh Nerv Deiat 21:14-20, Jan-Feb 71 (Rus)
[Change in the recruitment reaction and its late components during electrodefensive instrumental conditioned reflexes in dogs] Merzhanova GKh.
Zh Vyssh Nerv Deiat 21:517-24, May-Jun 71 (Rus)
[The role of corticofugal influences in affecting the dominant and the conditioned reflex] Meshcherskii RM. Zh Vyssh Nerv Deiat 16:14-8, Jan-Feb 66 (Rus)
[Relationship between the non-specific thalamic and visual systems] Pavlygina RA.
Zh Vyssh Nerv Deiat 19:319-27, Mar-Apr 69 (Rus)
[Changes in the pattern of augmenting responses during reversal of coinciding conditioned reflexes into trace reflexes] Serdiuchenko VM.
Zh Vyssh Nerv Deiat 19:357-9, Mar-Apr 69 (Rus)
[The influence of a specific posterior ventral thalamic nucleus on extero- and interoceptive alimentary conditioned reflexes] Shapovalova KB.
Zh Vyssh Nerv Deiat 20:505-14, Jul-Aug 70 (Rus)
[Convergence of visceral and somatic afferent influences on the neurons of the ventro-posterior thalamic nucleus] Shapovalova KB.
Zh Vyssh Nerv Deiat 21:559-68, May-Jun 71 (Rus)
[Long lasting shifts of the steady potential in response to photic and electrical stimulation of non-specific brain structures] Shuranova ZhP.
Zh Vyssh Nerv Deiat 16:62-6, Jan-Feb 66 (Rus)
[Role of some associative thalamic nuclei in the formation of conditioned reflexes to a simultaneous complex in cats] Vasil'eva LA.
Zh Vyssh Nerv Deiat 20:1182-8, Nov-Dec 70 (Rus)
[Cortical projections of the dorsomedial and posterolateral nuclei of the thalamus] Vasil'eva LA.
Zh Vyssh Nerv Deiat 21:585-91, 1971 (Rus)

PHYSIOPATHOLOGY

Pathophysiology of tremor at rest derived from the correlation of anatomical and clinical data. Hassler R, et al. Confin Neurol 32:79-87, 1970
Threshold stimulation of a human thalamic-subthalamic target area before and after electrocoagulation. Johansson GG, et al.
Confin Neurol 32:272-5, 1970
Bilateral, three negative, cortical evoked potentials after unilateral stimulation of the thalamic VL nucleus in man. Nishimoto A, et al.
Confin Neurol 32:349-66, 1970
Properties of somatosensory neurones in the human thalamus. McComas AJ, et al.
J Neurol Neurosurg Psychiatry 33:716-7, Oct 70
Physiological records from the ventrolateral thalamus during stereotactic operations on Parkinsonian patients. Report from a multidisciplinary team. Holsheimer J.
Psychiatr Neurol Neurochir 73:339-52, Sep-Oct 70
Electroanatomy of the thalamic ventro-oral nucleus based on stereotaxic stimulation in man. Schaltenbrand G, et al. Z Neurol 199:259-76, 1971
[Capsule effects during electric stimulatin of the ventrolateral optic thalamic nucleus during stereotaxic operations for hyperkinesis] Vasin NIa, et al. Biull Eksp Biol Med 70:3-6, Sep 70 (Rus)
[The neuronal activity of the human brain] Raeva SN.
Fiziol Zh SSSR 56:1104-16, Aug 70 (Rus)
[Experience with the microelectrode method in neurosurgical clinical practice during single-stage stereotaxic surgery for parkinsonism] Arutiunov AI, et al. Vopr Neirokhir 34:12-8, Nov-Dec 70 (Rus)
[Function of thassociative nuclei of the thalamus (clinico-anatomical studies)] Tumskoĭ EV.
Zh Nevropatol Psikhiatr 70:1663-6, 1970 (Rus)

SECRETION

The neurosecretory product of the habenular nucleus medialis of the rat. Its histochemical characteristics in comparison with the hypothalamic neurosecretory material. Trentini GP, et al.
Ann Histochim 16:51-60, Jan-Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The spontaneous release of 5-hydroxytryptamine and acetylcholine within the diencephalon of the unanaesthetized rhesus monkey. Myers RD, et al. Exp Brain Res 11:539-52, 1970

SURGERY

Tissue impedance along probe trajectories in thalamotomy. Aguilar JA, et al. Confin Neurol 32:255-62, 1970

Thalamotomy in hyperactive and aggressive behavior. Andy OJ. Confin Neurol 32:322-5, 1970

Stereotactic treatment for the alleviation of intractable pain. Reassessements and limitations. Fairman D. Confin Neurol 32:341-4, 1970

Stereotactic treatment of different kinds of spasmodic torticollis. Hassler R, et al. Confin Neurol 32:135-43, 1970

The combined thalamo-subthalamotomy. Nittner K. Confin Neurol 32:93-9, 1970

Stereotaxic thalamotomy (lamella medialis) in aggressive psychiatric patients. Poblete M, et al. Confin Neurol 32:326-31, 1970

The variability of the position and somatotopic relation of the nucleus ventro-oralis thalami. Rümler B, et al. Confin Neurol 32:219-22, 1970

Psychological correlates of anatomically verified thalamic lesions in parkinsonians. Samra K, et al. J Nerv Ment Dis 152:96-105, Feb 71

Prediction of short-term verbal memory disturbance after ventrolateral thalamotomy. Ojemann GA, et al. J Neurosurg 35:203-10, Aug 71

Neurogenic bladder in parkinsonism: effect of thalamotomy. Porter RW, et al. J Neurosurg 34:27-32, Jan 71

Neurosurgical treatment of dystonia. Cooper IS. Neurology (Minneap) 20:133-48, Nov 70

Long-term results of stereotactic operations for Parkinson's disease. Manen J van. Psychiatr Neurol Neurochir 73:365-74, Sep-Oct 70

[Stereotaxic treatment of tics and inarticulate cries or coprolalia considered as motor obsessional phenomena in Gilles de la Tourette's disease] Hassler R, et al. Rev Neurol (Paris) 123:89-100, Aug 70 (Fre)

[Postanoxic-action and intention myoclonus. Stereotaxic study and destruction of the lateral ventral nucleus of the thalamus] Lhermitte F, et al. Rev Neurol (Paris) 124:5-20, Jan 71 (Fre)

[Clinico-experimental study of urination disorders in patients with parkinsonism, with special reference to changes in the clinical and cystometric findings induced with coagulation of the thalamic ventro-lateral nucleus] Cioffi F, et al. Rass Neuropsichiatr 22:457-63, Oct-Dec 68 (Ita)

[Resting tremor in parkinsonism and ventrolateral thalamotomy] Seino O. Brain Nerve (Tokyo) 22:1281-91, Nov 70 (Jap)

[Delayed results of stereotaxic treatment of Parkinsonian syndrome] Mempel E, et al. Neurol Neurochir Pol 5:11-5, 1971 (Pol)

[Clinico-psychological analysis following destruction of several subcortical formations] Kamenetskaia BI, et al. Vopr Neirokhir 34:29-35, Jul-Aug 70 (Rus)

[Medial thalamic lesions in persistent painful syndromes (our current experience)] Arjona V, et al. Arch Neurobiol (Madr) 34:245-54, May-Jun 71 (Spa)

THALAMUS (A8)

Functional properties of the ventrolateral thalamic nucleus during natural sleep and wakefulness. Favale E. Acta Neurol Belg 70:846-54, 1970

[Stereotaxic contributions to the physiology and physiopathology of the human thalamus] Gybels J, et al. Acta Neurol Belg 70:795-832, 1970 (Fre)

[Human thalamic neuropathology and symptomatology] Martin JJ. Acta Neurol Belg 70:771-94, 1970 (Fre)

[Value of frontal tomography in the diagnosis of optic tract glioma] Montaut J, et al. Rev Otoneuroophtalmol 43:31-7, Jan-Feb 71 (Fre)

[Stereotaxic treatment of torticollis according to animal experiment experiences about direction determined movement] Hassler R, et al. Nervenarzt 41:437-87, Oct 70 (Ger)

[Case of reticulum cell sarcoma of the thalamus successfully treated with x-ray] Kubota S, et al. Brain Nerve (Tokyo) 23:315-9, Mar 71 (Jap)

[Brain tumor with ipsilateral cerebral hemiatrophy] Kwak R, et al. Brain Nerve (Tokyo) 22:1439-46, Dec 70 (Jap)

[Thalamic symptoms in a case of a tumor of the medulla oblongata and the pons] Araszkiewicz H, et al. Neurol Neurochir Pol 4:699-704, Nov-Dec 70 (Pol)

ABNORMALITIES

[Clinical, biological, histological and genetic studies of de Morsier's syndrome (hypogonadotrophic hypogonadism with anosmia). Apropos of 7 cases] Gennes JL de, et al. Ann Endocrinol (Paris) 31:841-61, Sep-Oct 70 (Fre)

ANALYSIS

The effect of adrenaline on 5-hydroxyindole concentrations in the hypothalamus and thalamus of rat. Gordon AE, et al. Br J Pharmacol 40:142P+, Sep 70

[Distribution of noradrenaline in the subcortical structures of the dog brain at different ages] Rozanova VD, et al. Biull Eksp Biol Med 66:16-9, 1968 (Rus)

ANATOMY & HISTOLOGY

Trigemino-thalamic fibre connections in the goat. An experimental anatomical study. Karamanlidis AN, et al. Acta Anat (Basel) 75:596-622, 1970

On the thalamic and hypothalamic nuclear areas of some teleosts. Singh HR. Acta Anat (Basel) 78:574-90, 1971

[Anatomy and histoenzymology of the thalamus] Gerebtzoff MA. Acta Neurol Belg 70:683-6, 1970

Trigeminothalamic fibre connexions in the dog and the pig. An experimental study with the retrograde cell degeneration method. Michail S, et al. J Anat 107:557-66, Nov 70

Projection of dorsal column nuclei and spinal cord to brainstem and thalamus in the tree shrew, Tupaia glis. Schroeder DM, et al. J Comp Neurol 142:309-50, Jul 71

Somatotopic organization and response properties of neurons of the ventrobasal complex in the opossum. Sousa AP, et al. J Comp Neurol 142:231-47, Jun 71

Connections of the nurse shark's telencephalon. Ebbesson SO, et al. Science 173:254-6, 16 Jul 71

[Asymmetry: rule or exception?] Kemali M. Acta Neurol (Napoli) 25:476-88, Jul-Aug 70 (Ita)

[Studies of the connections of the antero-dorsal nucleus of the optic thalamus with the olfactory tract] Lullini Galliani I. Atti Accad Fisiocrit Siena [Med Fis] 17:635-42, 1968 (Ita)

[Thalamocortical projections to 2 somatosensory regions of the cortex] Khorenian DV. Biull Eksp Biol Med 71:15-8, Apr 71 (Rus)

[Morphology of the connections between the thalamus ventrobasal omplex and the 1st and 2d somatosensory zones of the cortex] Ermolaeva VIu. Dokl Akad Nauk SSSR 196:716-9, 21 May 71 (Rus)

[Associative connections of the rabbit and cat thalamus] Figurina II. Dokl Akad Nauk SSSR 192:691-3, 21 May 70 (Rus)

[Individual anatomic differences in various subcortical brain formations of use in stereoencephalotomy] Margorin EM. Vopr Neirokhir 34:3-6, May-Jun 70 (Rus)

BLOOD SUPPLY

The vascularization of the human thalamus. Piets C, et al. Acta Neurol Belg 70:687-770, 1970

The arteries of the thalamus: an anatomical and radiological study. Lazorthes G, et al. J Neurosurg 34:23-6, Jan 71

[Subependymal venous network of the subthalamic part of the average ventricle. System of blood outflow from the human pituitary-subthalamic complex and thalamus] Goetzen B. Arch Anat Pathol (Paris) 18:297-300, Dec 70 (Fre)

[A case of purely sensory syndrome affecting one side of the body, of vascular origin] Loiseau P, et al. Bord Med 3:2351-2 passim, Oct 70 (Fre)

[Thalamic dementia of vascular origin (anatomo-clinical case)] Chassagnon C, et al. J Med Lyon 50:1153-6 passim, 5 Sep 69 (Fre)

[Architecture of veins in the human optic thalamus] Popova EF. Arkh Anat Gistol Embriol 60:37-40, 1971 (Rus)

[Skew deviation. Clinicopathological correlation] Madrid R, et al. Neurocirugia 28:48-54, Jan-Jun 70 (Spa)

CYTOLOGY

Evidence for presynaptic dendrites and a proposal for their mechanism of action. Ralston HJ 3d. Nature (Lond) 230:585-7, 30 Apr 71

Spine-like astrocytic protrusions into large axon terminals. Spaček J, et al. Z Zellforsch Mikrosk Anat 115:494-500, 1971

[Nuclear zones and their cytology in the nasal diencephalon region of the guinea pig (Cavia porcellus L.)] Völker H. Arch Exp Veterinaermed 24:701-17, 1970 (Ger)

[Nuclear regions and their cytology in the mid diencephalon area of the guinea pig (Cavia procellus L.)] Völker H. Arch Exp Veterinaermed 24:407-24, 1970 (Ger)

DRUG EFFECTS

[Cerebral monoamines and evoked activity in the centrum medianum of the thalamus and in the primary somatic cortical area] Guilbaud G, et al. Electroencephalogr Clin Neurophysiol 31:3543, Jul 71

The effect of anaesthesia on units in the thalamic reticular formation. Angel A, et al. J Physiol (Lond) 210:167P+, Sep 70

Localization of neurotoxic activity of staphylococcal -hemolysin in the thalamus. Edelwejn Z, et al. Toxicol Appl Pharmacol 19:247-62, Jun 71

EMBRYOLOGY

[Ontogenesis of adhaesio interthalamica (massa intermedia) in man] Firbas W, et al. Anat Anz 126:205-10, 1970 (Ger)

[Development and chemodifferentiation of the rat thalamus] Eitschberger E. Ergeb Anat Entwicklungsgesch 42:3-5 passim, 1970 (Ger)

ENZYMOLOGY

[Anatomy and histoenzymology of the thalamus] Gerebtzoff MA. Acta Neurol Belg 70:683-6, 1970

The enzyme histochemistry of the habenular nuclei of the rat. Trentini GP, et al. Ann Histochim 15:207-18, Jul-Sep 70

GROWTH & DEVELOPMENT

[Development and chemodifferentiation of the rat thalamus] Eitschberger E. Ergeb Anat Entwicklungsgesch 42:3-5 passim, 1970 (Ger)

IMMUNOLOGY

Effect of the local application of anti-cerebral immune-serum on the electrical activity of the thalamus and neocortex of the rat. Segura ET. Acta Physiol Lat Am 20:284-6, 1970

Experimental studies on stereotaxic intrathalamic immune gamma globulin. Fairman D, et al. Confin Neurol 32:276-80, 1970

INNERVATION

Connections of the subthalamus with the reticular formation of the rat brain stem. Petrovický P. Acta Univ Carol [Med] (Praha) 16:461-70, 1970

METABOLISM

[Cytosiderosis and deposits of iron in the ventrolateral nucleus of the thalamus in Parkinson's disease. Clinical and experimental study] Asenjo A, et al. Rev Neurol (Paris) 121:581-92, Dec 69 (Fre)

PATHOLOGY

The structural basis of the minimal cerebral dysfunction syndrome. Derby BM. Electroencephalogr Clin Neurophysiol 29:412, Oct 70

[Pathomorphologic changes in the brain during long-term combined administration of lysergamide (LSD-25) and haloperidol (experimental morphologic study) s] Matveev VF. Zh Nevropatol Psikhiatr 71:255-61, 1971 (Rus)

PHYSIOLOGY

The medial thalamus and the opposite effect of corticosteroids and adrenocorticotrophic hormone on avoidance extinction in the rat. Bohus B. Acta Physiol Acad Sci Hung 38:217-23, 1970

Nitrous oxide: an anesthetic for experiments in cats. Venes JL, et al. Am J Physiol 220:2028-31, Jun 71

Improvement and disturbance of short-term verbal memory with human ventrolateral thalamic stimulation. Ojemann GA, et al. Brain 94:225-40, 1971

Unitary responses in somatic relay nuclei during sleep and wakefulness. Benoit O. Brain Res 31:373-4, 20 Aug 71

Thalamic neurons responsive to temperature changes of glabrous hand and foot skin in squirrel monkey. Burton H, et al. Brain Res 34:179-90, 1 Dec 70

Quantitative analysis of visual receptive fields of cells in pulvinar, late ralis posterior and suprageniculate nuclei of the cat. Meulders M, et al. Brain Res 31:372, 20 Aug 71

Sensory function of the pulvinar. Richardson DE, et al. Confin Neurol 32:165-73, 1970

Rhythmic activity in the thalamus of the unanaesthetized decorticate cat. Andersson SA, et al. Electroencephalogr Clin Neurophysiol 31:21-34, Jul 71

Tonic cortico-thalamic inhibition in the somatosensory system of the cat. Burchfiel JL, et al. Electroencephalogr Clin Neurophysiol 29:410, Oct 70

Transformation of somatic afferent volleys across the prothalamic and thalamic components of the lemniscal system during the rapid eye movements of sleep. Ghelarducci B, et al. Electroencephalogr Clin Neurophysiol 29:348-57, Oct 70

Abolition of several forms of cortical synchronization during blockade in the inferior thalamic peduncle. Skinner JE. Electroencephalogr Clin Neurophysiol 31:211-21, Sep 71

Abolition of a conditioned, surface-negative, cortical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

potential during cryogenic blockade of the non-specific thalamo-cortical system. Skinner JE. Electroencephalogr Clin Neurophysiol 31:197-209, Sep 71

Enhancement of visual and auditory evoked potentials during blockade of the non-specific thalamo-cortical system. Skinner JE, et al. Electroencephalogr Clin Neurophysiol 31:1-6, Jul 71

Paroxysmal activity of hippocampal and thalamic epileptogenic foci and induced or spontaneous changes of vigilance. Roldán E, et al. Exp Neurol 29:121-30, Oct 70

Function of striate and temporal cortex in the tree shrew. Killackey H, et al. J Comp Physiol Psychol 74:Suppl 2:1-29, Jan 71

Hyperstriatal lesions in pigeons: effects on response inhibition, behavioral contrast, and reversal learning. Macphail EM. J Comp Physiol Psychol 75:500-7, Jun 71

The spectral sensitivity of single units in the nucleus rotundus of pigeon, Columba livia. Granda AM, et al. J Gen Physiol 57:363-84, Mar 71

properties of somatosensory cells in the human thalamus. Hankinson J, et al. J Physiol (Lond) 216:23P-24P, Jul 71

Specific functions of a medial thalamic structure in avoidance conditioning in the rat. Delacour J. Progr Brain Res 32:158-70, 1970

Differences in verbally expressed cognition following left and right ventrolateral thalamotomy. Almgren PE, et al. Scand J Psychol 10:243-9, 1969

Neuron activity related to short-term memory. Fuster JM, et al. Science 173:652-4, 13 Aug 71

Autoinhibition in the sensory system of cats. Richardson DE. Surg Forum 21:447-9, 1970

Responses of monkey thalamus to nociceptive stimuli. Nakahama H, et al. Tohoku J Exp Med 102:413-4, Dec 70

Interneuronal mechanisms in thalamically induced synchronizing and desynchronizing activities. Purpura DP. UCLA Forum Med Sci 11:467-96, 1969

[Physiology of the thalamus] Schlag J. Acta Neurol Belg 70:615-45, 1970 (Fre)

[Factors controlling the effects of a median thalamic injury on the retention of instrumental avoidance conditioning] Alexinsky T. J Physiol (Paris) 62:Suppl 3:339, 1970 (Fre)

[Absence of autostimulation behavior at the level of the parafascicular nucleus in rats] Cardo B, et al. J Physiol (Paris) 1:Suppl 1:99, 1969 (Fre)

[Postsynaptic responses of thalamic neurons evoked by low frequency stimulation of the caudate nucleus] Frigyesi TL, et al. J Physiol (Paris) 62:Suppl 3:376, 1970 (Fre)

[Effects of the ablation of primary cortical areas on changes, during sleep, of evoked responses at the level of the extralemniscal system by different sensorial modalities] Guilbaud G, et al. J Physiol (Paris) 62:Suppl 3:385-6, 1970 (Fre)

[Antidromic activation due to cortical stimulations of median center cells] Levante A, et al. J Physiol (Paris) 62:Suppl 3:404-5, 1970 (Fre)

[Study in the isolated cat brain of visual receptor fields of pulvinar neurons and of the lateroposterior thalamic nucleus by posting static and moving pictures on a television screen] Veraart C, et al. J Physiol (Paris) 62:Suppl 3:459+, 1970 (Fre)

[Presynaptic inhibitory interactions between the thalamic nuclei of somatic relay (VPL)] Bava A, et al. Boll Soc Ital Biol Sper 45:951-3, 31 Jul 69 (Ita)

[Electrophysiological observations on the pathways of "transversal inhibition" between the thalamic nuclei of somatic relay] Bava A, et al. Boll Soc Ital Biol Sper 45:1439-40, 30 Nov 69 (Ita)

[Dynamic properties of neuronal control by intralaminar nuclei on VA-VL nuclei of the thalamus studies with the intracellular recording technic] Broggi G, et al. Boll Soc Ital Biol Sper 46:659-61, 15 Aug 70 (Ita)

[Depolarization induced in afferents to the cuneate nucleus by stimulation of the aspecific thalamic nuclei] Cesa-Bianchi MG, et al. Boll Soc Ital Biol Sper 45:382-3, 31 Mar 69 (Ita)

[Quantitative data on the relationships of the cortex dependence of the thalamic nuclei] Macchi G, et al. Boll Soc Ital Biol Sper 45:634-8, 31 May 69 (Ita)

[Intracellular study of the intralaminar thalamic neurons during stimulation of the reticular structures of the brain stem] Mancia M, et al. Boll Soc Ital Biol Sper 46:862-3, 15 Aug 70 (Ita)

[Chromo-hematoxylinophilic neurosecretion: hormone or vitreous substance?] Trentini GP, et al. Boll Soc Ital Biol Sper 46:800-2, 15 Oct 70 (Ita)

[Studies of the changes of excitability of cortical thalamic neurons during the sleep-waking cycle] Dagnino N, et al. Riv Neurol 40:223-9, Jul-Aug 70 (Ita)

[Pain pathway from the tooth pulp to the somatosensory cortex and effects of morphine and barbiturates on the cortical response evoked by the stimulation of the pulp in rats] Shigenaga Y. Folia Pharmacol Jap 67:22-39, Jan 71 (Jap)

[Properties and distribution of somatosensory responses in the thalamus of the unanaesthetized cat] Narukawa H. Psychiatr Neurol Jap 72:1089-108, Nov 70 (Jap)

[The restoration cycle of driving reaction potentials in the cortex of the cerebral hemispheres of the marsh turtle (Emys orbicularis)] Belekhova MG. Biull Eksp Biol Med 65:11-5, May 68 (Rus)

[Sechenov's inhibition of receptor activity (based on frog tongue chemoreceptors)] Esakov AI. Biull Eksp Biol Med 70:3-6, Oct 70 (Rus)

[Dynamics of correlograms of cortical and subcortical electric activity at different stages of anesthesia] Ginzburg DA, et al. Biull Eksp Biol Med 71:57-60, May 71 (Rus)

[Effect of morphine on experimental arrhythmias, originating during electric stimulation of different cerebral structures] Sinitsyn LN. Farmakol Toksikol 33:683-90, 1970 (Rus)

[Neuronal activity in the cerebello-thalamo-cortical regulatory system] Afrapetian AA, et al. Fiziol Zh SSSR 56:527-34, Apr 70 (Rus)

[Effect of electric stimulation on the interrelation of subcortical structures in monkeys] Kudriavtseva NN. Fiziol Zh SSSR 57:10-9, Jan 71 (Rus)

[Participation of the nonspecific system of the brain stem and thalamus in cortico-thalamic influences] Mass AM, et al. Fiziol Zh SSSR 56:1673-81, Dec 70 (Rus)

[Spontaneous activity of subcortical structure cell populations during sleep and dreaming in man] Moiseeva NI, et al. Fiziol Zh SSSR 57:159-66, Feb 71 (Rus)

[The H-reflex and capsular effect in stereotaxic surgery on the ventrolateral nucleus of the optic thalamus] Vasin NIa, et al. Vopr Neirokhir 34:6-10, May-Jun 70 (Rus)

[Hypersynchronous after-discharges and conditioned reflexes in rats] Varga ME, et al. Zh Vyssh Nerv Deiat 21:69-75, Jan-Feb 71 (Rus)

PHYSIOPATHOLOGY

Effect of harmaline in monkeys with central nervous system lesions. Battista AF, et al. Exp Neurol 28:513-24, Sep 70

The influence of barbiturates on paroxysmal EEG activity induced by hippocampal and-or thalamic cobalt foci. Roldán E, et al. Psychopharmacologia 19:273-81, 1971

Influence of chlordiazepoxide on paroxysmal EEG activity induced by hippocampal and-or thalamic cobalt foci. Roldán E, et al. Psychopharmacologia 19:266-72, 1971

[Electroencephalographic activity of the epileptogenic center (cobalt-gelatin) in different brain regions] Chocholová L, et al. J Physiol (Paris) 62:Suppl 3:359, 1970 (Fre)

[Background activity and information processing activity of single diencephalic neurons in hyperthermia] Zwiener U. Acta Physiol Acad Sci Hung 38:237-45, 1970 (Ger)

[Analysis of a rapid voluntary movement in Parkinsonian patients before and after stereotaxic thalamic lesions] Butx P, et al. Z Neurol 198:105-19, 1970 (Ger)

[On hypothalamic and thalamic changes in the appearance of jealous behavior in alcoholics] Parigi S. Riv Neurobiol 16:255-66, Jul-Sep 70 (Ita)

RADIOGRAPHY

[Radio-anatomic aspects of thalamic region tumors] Giordano GB, et al. Neurochirurgie 15:451-9, Nov 69 (Fre)

SURGERY

Psychological evaluation of intelligence and personality in parkinsonism before and after stereotaxic surgery. Christensen AL, et al. Acta Neurol Scand 46:527-37, 1970

L-dopa in Parkinsonism and the influence of previous thalamotomy. Hughes RC, et al. Br Med J 1:7-13, 2 Jan 71

Prediction of short-term verbal memory disturbance after ventrolateral thalamotomy. Ojemann GA, et al. J Neurosurg 35:203-10, Aug 71

Present indications for L-dopa and thalamotomy in the treatment of Parkinson's disease. Ojemann GA, et al. Northwest Med 70:101-4, Feb 71

Further studies on the stereotaxic thalamotomy for pain relief. Yoshii N, et al. Tohoku J Exp Med 102:225-32, Nov 70

[Complications of psychiatric importance following bilateral thalamolysis operations] Cioffi F, et al. Rass Int Clin Ter 50:614-23, 31 May 70 (Ita)

[Effects of stereotaxic thalamolysis of the anterior and ventro-lateral nuclei in a case of grave obsessive neurosis] De Divitiis E, et al. Rass Int Clin Ter 50:633-8, 31 May 70 (Ita)

[Postoperative dyskinesia during stereotaxic surgery] Lettieri M, et al. Rass Int Clin Ter 50:639-44, 31 May 70 (Ita)

[Comparative analysis of the effects of Levodopa on sleep in patients with athetosis and parkinsonism treated and not treated with thalamolysis] Puca FM, et al. Riv Neurol 40:365-73, Sep-Oct 70 (Ita)

[Clinical results of stereotaxic thalamotomy for the relief of pain] Sugita K, et al. Saishin Igaku 26:915-20, May 71 (Jap)

[Results of stereotaxic therapy of choreoathetosis and torsion dystonia] Mempel E, et al. Neurol Neurochir Pol 5:17-22, 1971 (Pol)

[Treatment of intention tremor with the stereotaxic method] Mempel E. Neurol Neurochir Pol 5:23-8, 1971 (Pol)

THALASSEMIA (C9)

Hemolytic anemia. II. Thalassemia syndromes and hemoglobinopathies. Mehta BC. Indian J Med Sci 24:601-8, Sep 70

Thalassaemia haemoglobin-E disease. Audi PS, et al. Indian Pediatr 7:628-31, Nov 70

Enzymes: siamese twins. Nature (Lond) 231:353, 11 Jun 71

Translation of rabbit haemoglobin messenger RNA by thalassaemic and non-thalassaemic ribosomes. Nienhuis AW, et al. Nature [New Biol] 231:205-8, 16 Jun 71

Hemoglobin H disease. A case report. Ozsoylu S, et al. Turk J Pediatr 12:116-22, Jul-Oct 70

Beta-thalassaemia Hb E disease. Milner PF, et al. West Indian Med J 19:147-57, Sep 70

Beta-thalassaemia Hb E disease. Milner PF, et al. Wien Med Wochenschr 120:147-57, 2 May 70

[The hemoglobinopathies due to a disturbance of hemoglobin synthesis] Labie D, et al. Nouv Rev Fr Hematol 11:83-93, Jan-Feb 71 (48 ref.) (Fre)

[Porphyria cutanea tarda and thalassemia minor. On a clinical case] Amerio PL, et al. G Ital Dermatol 45:270-4, Apr 70 (Ita)

[Cooley's disease in infants. Radio-clinical study of 19 cases] Gatta AM, et al. Riv Clin Pediatr 83:1-17, Jan-Apr 70 (Ita)

[Erythroblastic anemia] Astacio NW, et al. Prensa Med Argent 58:262-4, 2 Apr 71 (Spa)

BLOOD

Heterogeneity of fetal hemoglobin in beta-thalassemia of the Negro. Schroeder WA, et al. Am J Hum Genet 22:505-14, Sep 70

Haemoglobin synthesis in thalassaemia. Weatherall DJ, et al. Biochem J 119:68P, Oct 70

Erythrokinetic studies in thalassaemia. Shahid MJ, et al. Br J Haematol 20:75-82, Jan 71

Molecular pathology of thalassemia syndromes. Marks PA, et al. Fed Proc 30:977-82, May-Jun 71

Thalassemia hemoglobinopathy. Report of two cases. Mazumder S, et al. Indian J Pediatr 37:208-10, May 70

Contribution of fragiligrams to the differential diagnosis of thalessemia and iron deficiency anemia. Brok-Simoni F, et al. Isr J Med Sci 6:161-3, Jan-Feb 70

The occurrence of heterozygous beta-thalassaemia as screened by quantitative haemoglobin electrophoresis in pregnancy. Smith MB, et al. Med J Aust 1:1273-4, 12 Jun 71

Hemoglobin heterogeneity. Bunn HF. N Engl J Med 285:746-7, 23 Sep 71

Hb A2 and the diagnosis of beta-thalassaemia trait. Gibbs WN. West Indian Med J 18:177-80, Sep 69

Rate of synthesis of haemoglobin A2 in thalassaemia. Schettini F, et al. Z Kinderheilkd 109:271-8, 1971

[Is the HbS greater than HbA phenotype or the HbC greater than HbA phenotype a peculiarity of the thalassemic trait in the African Negro?] Coquelet ML, et al. C R Soc Biol (Paris) 164:997-1000, 1970 (Fre)

[Hemoglobin H in a patient with thalassemia] Rosti D. Atti Accad Med Lomb 23:307-8, Apr-Jun 68 (Ita)

[Prolinemia in thalassemic children] Carnevale F, et al. Boll Soc Ital Biol Sper 47:13-5, 15 Jan 71 (Ita)

[Further studies of the heterogeneity of thalassemic erythrocytes] Izzo P, et al. Boll Soc Ital Biol Sper 46:643-7, 15 Aug 70 (Ita)

[On methemoglobin in Cooley's disease] Norelli MT, et al. J Morphol 132:1065-71, Oct 70 (Ita)

[Heinz body formation test in the peripheral blood of normal, favic and beta thalassemic children] Norelli MT, et al. Minerva Pediatr 21:2165-75, 17 Nov 69 (Ita)

[On methemoglobin in Cooley's disease] Norelli MT, et al. Minerva Pediatr 22:1065-71, 26 May 70 (Ita)

[Study of the behavior of uric acid in childhood] Gomirato Sandrucci M, et al. Pediatria (Napoli) 78:625-57, 1970 (Ita)

[A case of hemoglobin H disease] La Grutta A, et al. Pediatria (Napoli) 78:728-49, 1970 (Ita)

[Malarial hypothesis of balanced polymorphism in thalassemias, hemoglobinopathies and GPD deficiency] Spadea G. Policlinico [Prat] 76:1493-9, 17 Nov 69 (Ita)

COMPLICATIONS

Cephalofacial deformities in thalassemia major (Cooley's anemia). A correlative study among 138 cases. Logothetis J, et al. Am J Dis Child 121:300-6, Apr 71

Studies on beta thalassemia trait in pregnancy. Pakes JB, et al. Am J Obstet Gynecol 108:1217-23, 15 Dec 70

Ophthalmologic manifestations of sickle cell

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thalassemia. Goldberg MF, et al.
Arch Intern Med 128:33-9, Jul 71
Nasal obstruction in thalassemia. A case report. Principato JJ, et al. Arch Otolaryngol 93:620-2, Jun 71
Further studies in Bart's hydrops foetalis in Singapore. Boon WH. J Singapore Paediatr Soc 12:79-84, Oct 70
Gamma-thalassaemia. Stamatoyannopoulos G.
Lancet 2:192-3, 24 Jul 71
Streptococcal infection leading to cardiac and renal involvement in thalassaemia. Wasi P.
Lancet 1:949-50, 8 May 71
Hand-foot syndrome in sickle-cell thalassemia. Ozsoylu S. N Engl J Med 284:219, 28 Jan 71
Sickle cell beta-thalassemia and pregnancy. Laros RK Jr, et al. Obstet Gynecol 37:67-71, Jan 71
Oral manifestations of hemoglobinopathies. A case of homozygous hemoglobin C disease diagnosed as a result of dental radiographic changes. Halstead CL.
Oral Surg 30:615-23, Nov 70
Hypoparathyroidism associate with thalassemia. Gabriele OF. South Med J 64:115-6, Jan 71
Treatment of proliferative sickle retinopathy. Goldberg MF.
Trans Am Acad Ophthalmol Otolaryngol 75:532-56, May-Jun 71
[3 cases of beta-thalassodrepanocytosis with highly elevated levels of alkali-resistant hemoglobin on a Congolese family] Gatti F, et al.
Ann Soc Belg Med Trop 47:313-29, 1967 (Fre)
[Hemochromatosis and pigmentary cirrhosis in minor thalassemia in adults] Tolot F, et al.
J Med Lyon 51:655-60, 5 Mar 70 (Fre)
[Pericarditis in Cooley's disease] Orsini A, et al.
Pediatrie 25:831-42, Dec 70 (Fre)
[Double heterozygotism, hemoglobin C disease-thalassemia in the white race] Biatrix C, et al.
Presse Med 78:1791-2, 3 Oct 70 (Fre)
[Association of thymoma, myasthenia, erythroblastopenic anemia and presence of LE cells in the blood in the same patient] Zoupanos G, et al.
Schweiz Med Wochenschr 100:1885-7, 31 Oct 70 (Fre)
[Spontaneous hemolysis in a patient with glucose-6-p-dehydrogenase deficiency (Mediterranean type) and heterozygote beta thalassemia] Benöhr HC, et al.
Med Welt 24:1091-5, 13 Jun 70 (Ger)
[Hematic enzymatic activity and symptoms of beta-thalassemia during occupational exposure to pesticides] Benetti P, et al.
Arcisp S Anna Ferrara 23:33-43, 1970 (Ita)
[Biliary lithiasis in heterozygous microcythemic subjects] Soffritti E, et al.
Arcisp S Anna Ferrara 23:45-63, 1970 (Ita)
[Heterozygous thalassemia and megaloblastic anemia] Soffritti E, et al.
Arcisp S Anna Ferrara 23:65-76, 1970 (Ita)
[On the association of hemoglobin C and thalassemia] Izzo P, et al.
Boll Soc Ital Biol Sper 47:38-41, 30 Jan 71 (Ita)
[Triple erythrocyte disorders: thalassemia, hemoglobinopathy L Glucose-6-phosphate dehydrogenase deficiency in a girl from Polesine. First study] De Filippis A.
Haematologica 54:685-702, 1969 (Ita)
[Clinical considerations on 7 cases of Hb C-thalassemia] Polosa P, et al. Haematologica 55:333-57, 1970 (Ita)
[Hemolytic anemia caused by association of a double anomaly: beta-thalassemia and deficiency of G6PD] Zoratto E, et al.
Minerva Pediatr 21:605-10, 14 Apr 69 (Ita)
[Hepatic pathology of liver cirrhosis and sclerosis in patients with Cooley's disease] Beltrami CA, et al.
Riv Patol Clin Sper 10:165-77, Jul-Dec 69 (Ita)
[Thalassemia with glucose-6-phosphate-dehydrogenase deficiency] Gar'kavtseva RF, et al.
Probl Gematol Pereliv Krovi 15:27-30, Sep 70 (Rus)
[Use of deferoxamine-B (Desferal) in the treatment of secondary hemosiderosis in thalassemia major] Maspes V, et al. Sangre (Barc) 15:435-43, 1970 (Spa)

DIAGNOSIS

Anaemia and temporary erythroblastopaenia in children. A syndrome. Lovric VA.
Australas Ann Med 19:34-9, Feb 70
Thalassemia and G-6-PD deficiency in Chinese-Canadians: admission screening of a hospital population. Gray GR, et al.
Can Med Assoc J 105:283-6, 7 Aug 71
[Diagnosis of occupational diseases, a persistent problem. Differential diagnosis: lead poisoning--thalassemia] Symanski H.
Z Gesamte Hyg 16:533-7, Jul 70 (Ger)
[Differential diagnosis of lead poisoning and thalassemia] Idel'son LI, et al.
Klin Med (Mosk) 48:84-9, Oct 70 (Rus)

DRUG THERAPY

[Changes induced with testosterone in some indices of erythropoiesis in a case of intermediate thalassemia] Izzo P, et al.
Boll Soc Ital Biol Sper 46:639-43, 15 Aug 70 (Ita)

ENZYMOLOGY

Activity of the enzymes catalase, aconitase and succinic dehydrogenase in Hb Ethalassaemia disease. Swarup-Mitra S, et al.
Bull Calcutta Sch Trop Med 18:1-2, Jan 70
Some observations on the enzymatic stability of red cells in heterozygous and homozygous states for Hb.E. Swarup-Mitra S, et al.
Indian J Med Res 58:1693-702, Dec 70
Investigation of the kinetic characteristics of red blood cell acetylcholinesterase in ABO, Rh hemolytic disease of the newborn and thalassemia major cases. Ozand P, et al. Turk J Pediatr 12:1-7, Jan-Apr 70

FAMILIAL & GENETIC

Thalassaemia and high F-gene in Aleppo. Ibrahim SA, et al. Acta Haematol (Basel) 44:287-91, 1970
Probable homozygous beta thalassemia in a Negro child. Crouch ER Jr, et al.
Am J Dis Child 120:356-9, Oct 70
Alpha-thalassemia in Northern Thailand. Na-Nakorn S, et al. Am J Hum Genet 22:645-51, Nov 70
Genetics of haemoglobin H and alpha-thalassaemia. Koler RD, et al. Ann Hum Genet 34:371-7, May 71
Preliminary surveys for the prevalence of the thalassemia genes in some African populations. Weatherall DJ, et al.
Ann Trop Med Parasitol 65:253-65, Jun 71
Molecular pathology of thalassemia syndromes. Marks PA, et al. Fed Proc 30:977-82, May-Jun 71
Thalassemia hemoglobin E disease. Laxman S, et al.
Indian Pediatr 7:124-6, Feb 70
Family studies of alpha-thalassemia and hemoglobin H disease in Eastern Saudi Arabia. Mcniel JR.
J Med Assoc Thai 54:153-66, Mar 71
The alpha thalassemia genes. Wasi P.
J Med Assoc Thai 53:677-86, Oct 70 (49 ref.)
Thalassaemia intermedia: a genetic study in 11 patients. Aksoy M. J Med Genet 7:47-51, Mar 70
A family of thalassemia minor. Takekuma Y, et al.
Kumamoto Med J 23:146-9, 30 Dec 70
Hereditary persistence of fetal hemoglobin. Heterogeneity of fetal hemoglobin in homozygotes and in conjunction with -thalassemia. Huisman TH, et al. N Engl J Med 285:711-6, 23 Sep 71
Prolonged survival in homozygous high A2-type beta thalassaemia. Farhangi M, et al.
Scand J Haematol 7:465-70, 1970
Silent hemoglobin alpha genes in apes: potential source of thalassemia. Boyer SH, et al.
Science 171:182-5, 15 Jan 71
[Hereditary spherocytosis and beta-thalassemia: coexistence of 2 genes in a Sicilian family] Andrien JM, et al. Acta Paediatr Belg 25:35-43, 1971 (Fre)
[Double heterozygote hemoglobin C--thalassemia in Europeans. Study of a Sicilian family] Coquelet ML, et al. Nouv Rev Fr Hematol 10:41-75, Jul-Aug 70 (Fre)
[Thalasso-drepanocytosis] Bertozzi JC, et al.
Pediatrie 25:798, Oct-Nov 70 (Fre)
[Biological thinking as the basis of clinical hematology. Pernicious anemia, sickle cell anemia, thalassemia and favism as examples] Ganzoni AM.
Praxis 60:555-61, 4 May 71 (Ger)
[Erythrocyte acetylcholinesterase in subjects belonging to family groups with microcythemia] Benetti P, et al.
Pediatria (Napoli) 78:216-24, 1970 (Ita)
[Thalassemia in a family of purely Polish origin. Beta type of gamma thalassemia?] Stopyrowa J, et al.
Pediatr Pol 46:615-22, May 71 (Pol)
[Case of familial thalassemia in Armenia] Astvatsatrian VA, et al. Pediatriia 49:80-1, Jul 70 (Rus)

IMMUNOLOGY

Serum-immunoglobulin levels in thalassaemia and the effects of splenectomy. Wasi C, et al.
Lancet 2:237-9, 31 Jul 71
The incidence of hepatitis-associated antigen and antibody in patients with thalassaemia in Greece. Economidou J, et al. Vox Sang 19:401-3, Sep-Oct 70

METABOLISM

Globin chain synthesis in Sicilian thalassaemic subjects. Conconi F, et al.
Br J Haematol 19:469-75, Oct 70
Globin chain synthesis in Ferrara and Sicilian beta-thalassemic subjects. Conconi F, et al.
Bull Soc Chim Biol (Paris) 52:1147-68, 1970
Cell-free hemoglobin synthesis in beta-thalassemia. Glibert JM, et al.
Proc Natl Acad Sci USA 67:1854-61, Dec 70
[Current status of the problem of abnormal hemoglobins. Preliminary reflexions] Rosa J.
Nouv Rev Fr Hematol 11:27-31, Jan-Feb 71 (Fre)
[Cutaneous clearance of iron in healthy and anemic children] Mollica F, et al.
Pediatria (Napoli) 78:854-67, 1970 (Ita)

OCCURRENCE

Haemoglobin-E-thalassaemia in Uttar Pradesh. Gupta SC, et al. Indian J Med Res 58:857-62, Jul 70
Alpha-thalassaemia in India. Chouhan DM, et al.
J Indian Med Assoc 54:364-7, 16 Apr 70
Thalassemia and Hb E-thalassemia in Bandung. Oman H, et al. Paediatr Indones 9:269-75, Nov-Dec 69
Cooley's anaemia among the Tanka of South China. McFadzean AJ, et al.
Trans R Soc Trop Med Hyg 65:59-62, 1971
Haemoglobinopathies in Burma. 3. The incidence of alpha-thalassaemia trait. Aung-Than-Batu, et al.
Trop Geogr Med 23:23-5, Mar 71
Haemoglobinopathies in Burma. IV. Thalassaemia-haemoglobin E disease and thalassaemia major. Aung-Than-Batu, et al.
Trop Geogr Med 23:25-9, Mar 71
[Study of 2 forms of thalassemia in the Congolese: simple beta-thalassemic defect in a family and first case of beta-thalassodrepanocytosis with a high level of hemoglobin A] De Broe M, et al.
Ann Soc Belg Med Trop 48:541-56, 1968 (Fre)
[Thalassemiae and other abnormal hemoglobinopathies in the Yugoslav-Macedonian S.R] Sadikario A, et al.
Bord Med 4:851-4 passim, Mar 71 (Fre)
[Erythrocyte glucose-6-phosphate dehydrogenase deficiency--a study on its distribution in the province of Ferrara and its relation to malaria and thalassemia] Gandini E, et al.
Acta Genet Med Gemellol (Roma) 18:271-84, Jul 69 (Ita)
[11 cases of beta thalassemia in Costa Rica] Zómer M, et al. Rev Invest Clin 21:437-43, Oct-Dec 69 (Spa)

PATHOLOGY

Gaucher's cells in thalassemia. Zaino EC, et al.
Blood 38:457-62, Oct 71
[Study of poikilocytes with the electron scanning microscope. With special reference to thalassemia] Bessis M, et al.
Nouv Rev Fr Hematol 10:515-33, Jul-Aug 70 (Fre)
[Further contribution to the ultrastructure of spleen in Cooley's disease] Bearzi I, et al.
Riv Patol Clin Sper 10:251-67, Jul-Dec 69 (Ita)

PHYSIOPATHOLOGY

Proliferation of erythroblasts in beta-thalassaemia. Wickramasinghe SN, et al.
Br J Haematol 19:719-27, Dec 70
[On the effects of chronic anemia on the function of the distal renal tubule. Apropos of 11 patients with Cooley's disease] Gaboardi F, et al.
Minerva Pediatr 21:2191-5, 24 Nov 69 (Ita)
[Study of thalassemias with radioactive isotopes] Xenakis A, et al.
Stud Cercet Med Interna 11:405-12, 1970 (Rum)
[Bone marrow hematopoiesis in children with thalassemia major] Nazarli AG, et al.
Pediatriia 49:42-4, Jul 70 (Rus)

PREVENTION & CONTROL

[The struggle against the scourge of microcythemia requires a massive mobilization of resources and men. Interview with Professor Aniello Macciotta, Director of the Centro Provinciale di Cagliari for the prevention of microcythemia] Barraciu A.
Minerva Med Suppl 95:5-7, 27 Nov 70 (Ita)

RADIOGRAPHY

Radiological study in thalassaemia: further observations. Basu SP.
Bull Calcutta Sch Trop Med 17:47-8, Apr 69
Renal enlargement in thalassemia major. Grossman H, et al. Radiology 100:645-8, Sep 71

REHABILITATION

Thalassaemia minor in industry. Simson RE, et al.
Med J Aust 1:801-3, 10 Apr 71

THERAPY

Growth of children with thalassaemia: effect of different transfusion regimens. Kattamis C, et al.
Arch Dis Child 45:502-9, Aug 70
[Role of splenectomy in 6 cases of major thalassemia] Uras A, et al. Tip Fak Mecm 32:605-15, 1969 (Tur)

VETERINARY

Silent hemoglobin alpha genes in apes: potential source of thalassemia. Boyer SH, et al.
Science 171:182-5, 15 Jan 71

THALASSOTHERAPY (E2)

The efficiency of thermoregulation in adult patients with bronchial asthma and chronic bronchitis after

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

climatic treatment at the Baltic seaside. Maczynski B.
Bull Pol Med Sci Hist 13:179-81, Oct 70
[Swimming sanatories in high-sea climatic therapy] Mohr F.
Arch Phys Ther (Leipz) 22:249-54, Sep-Oct 70 (Ger)
[Histopathological and histochemical studies in vitiligo following thalassotherapy] Dimitrova I, et al.
Dermatol Monatsschr 156:1021-8, Dec 70 (Ger)
[Rehabilitation of the disabled by rheumato-arthropathy in the marine environment] Cazzagon R. Clin Ter 47:218-24, 31 Dec 68 (Ita)
[The town and spa of Kolobrzeg in the light of hygienic studies carried out so far] Brodniewicz A, et al.
Pol Tyg Lek 25:1507-10, 5 Oct 70 (Pol)
[Influence of the Baltic Sea climate on the thermoregulation of child's organism in the light of selected parameters] Rybicka M.
Pol Tyg Lek 25:1491-4, 5 Oct 70 (Pol)
[Immediate and long-term results of thalassotherapy in pulmonary silicosis] Dzierżyński M, et al.
Przegl Lek 26:646-50, 1970 (Pol)

THALIDOMIDE (D6)

A histological and histochemical study of the development of the sternum in thalidomide-treated rats. Globus M, et al. Teratology 1:235-55, Aug 68
[Compensation of the teratogenic effect of a thalidomide metabolite using L-glutamic acid] Köhler F, et al. Experientia 27:421-2, 15 Apr 71 (Ger)

ADMINISTRATION & DOSAGE

[Immunodepressive action of thalidomide and prednisolone in rats with experimentally induced neoplasms] Guidetti E, et al.
Cancro 22:503-12, 1969 (Ita)

ADVERSE EFFECTS

Thalidomide-embryopathy in twins: a collaborative study. Jörgensen G, et al.
Acta Genet Med Gemellol (Roma) 19:205-10, Jan-Apr 70
The thalidomide tragedy in Germany: the end of a historic medicolegal trial. Curran WJ.
N Engl J Med 284:481-2, 4 Mar 71
How can the teratogenic action of a factor be established in man? Lenz W.
South Med J 64:Suppl1:41-50, Feb 71
Chromosomal breakage and teratogenesis. Roux C, et al. Teratology 4:303-15, Aug 71
[Light and electron microscopic studies of late stages of thalidomide polyneuropathy] Krücke W, et al.
Fortschr Neurol Psychiatr 39:15-50, Jan 71 (Ger)
[Thalidomide embryopathy with peculiar eye changes] Welge-Lüssen L.
Klin Monatsbl Augenheilkd 158:373-8, Mar 71 (Ger)
[The contergan tragedy--a brutal lesson] Hartimaier KM. Zahnaerztl Mitt 61:62-5, 16 Jan 71 (Ger)
[Oculo-auricular dysplasia probably due to thalidomide] Brancato R.
Ann Ottalmol Clin Ocul 95:415-20, May 69 (Ita)

ANALYSIS

[Thin layer chromatography of thalidomide and its hydrolysis products] Pischek G, et al.
Mikrochim Acta 3:530-5, 1970 (Ger)

METABOLISM

Metabolism of thalidomide in Pseudomonas aeruginosa NCTC A 7244. Midtvedt T, et al.
Acta Pathol Microbiol Scand [B] 78:488-94, 1970
Comparative studies on the absorption of 3H-thalidomide in rabbits and rats. Keller GR, et al.
Teratology 4:75-85, Feb 71
[Intermolecular interaction of folic acid with N-phthaloyl-DL-glutamic acid. Teratogenic effect of thalidomide] Eckert T, et al.
Experientia 27:671-2, Jun 71 (Ger)
[The L-isomer as teratogenic principle of N-phthalyl-DL-glutamic acid] Oekenfels H, et al.
Experientia 26:1236-7, 15 Nov 70 (Ger)

PHARMACODYNAMICS

[Effects of n-phthalyl-glutamic acid imide (Thalidomide). I. Study of the blastic evolution of human lymphocytes in culture with phytohemagglutinin] Bersi M, et al.
Arch Sci Med (Torino) 128:85-8, Apr-Jun 71
The effect of two soluble thalidomide derivatives on lymphocyte stimulation. Coulson AS, et al.
Clin Exp Immunol 7:241-7, Aug 70
Thalidomide immunosuppression in canine renal allotransplantation. Murphy GP, et al.
J Med (Basel) 1:66-73, 1970
[Action of some antimetabolites on free nucleotides during germination of Phaseolus aureus] Dumazert C, et al. Ann Pharm Fr 27:371-80, May 69 (Fre)
[Action of thalidomide on Drosophila: development and tumorigenesis. Comparison with potassium phthalate and some nonphthalic compounds] Baroche C. Bull Cancer (Paris) 55:413-28, Jul-Sep 68 (Fre)
[Effects of N-phthalyl-glutamic acid imide (thalidomide). II. Study of the cytostatic action on bone marrow cells and lymphocytes from peripheral blood in cultures] Gasparini C, et al.
Arch Sci Med (Torino) 128:89-90, Apr-Jun 71 (Ita)
[Effect of the administration of phthalyl-glutamic acid imide on the antibody response to bacterial antigens in the rabbit] Bravi A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1583-8, 1968 (Ita)
[Thalidomide and morphogenetic processes in adults. Influence of thalidomide on regeneration of the tail of Triturus cristatus] Rinaldi L.
Boll Soc Ital Biol Sper 45:1268-72, 15 Oct 69 (Ita)

THERAPEUTIC USE

The condition of the peripheral nerve in leprosy under various forms of treatment. Conduction velocity studies in long-term follow-up. Magora A, et al.
Int J Lepr 38:149-63, Apr-Jun 70
Iridocyclitis in lepra reaction treated with thalidomide. Sheskin J, et al. Lepr Rev 41:233-5, Oct 70
[Action of 2 new products, thalidomide and B. 663 on reactive forms of Hansen's disease] Languillon J.
Med Trop (Mars) 29:497-503, Jul-Aug 69 (Fre)

TOXICITY

Hypothetical explanation of the embryotoxic action of thalidomide. Neubert D, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:408-9, 1970
Comparative studies on the absorption of 3H-thalidomide in rabbits and rats. Keller GR, et al.
Teratology 4:75-85, Feb 71
The teratologic effects of thalidomide in Himalayan rabbits. Lehmann H, et al.
Toxicol Appl Pharmacol 18:208-19, Jan 71
[Influence of thalidomide and Congo red on rat morphogenesis] De Luca Brunori I, et al.
Minerva Ginecol 22:998-1000, 31 Oct 70 (Ita)

THALLIUM (D1)

Thallium (I) activation of pyruvate kinase. Kayne FJ.
Arch Biochem Biophys 143:232-9, Mar 71

ADMINISTRATION & DOSAGE

[Therapy of some peripheral nervous system diseases with Tl-204 applicators] Zaichenkov EP.
Med Radiol (Mosk) 15:86-8, Sep 70 (Rus)

ANALYSIS

[Detection of thallium poisonings by means of neutron activation analysis] Henke G, et al.
Arch Toxikol 27:266-72, 1971 (Ger)

ANTAGONISTS & INHIBITORS

[Hexacyanoferrates (II) as thallium antidotes. Preparation and properties] Dvořák P.
Arzneim Forsch 20:1886-8, Dec 70 (Ger)

METABOLISM

The fate and implications of ingested 204Tl in a dairy cow and a calf. Potter GD, et al.
Health Phys 20:657-62, Jun 71
[Influence of colloidal ferrihexacyanoferrate (2) on distribution and toxicity of thallium] Günther M.
Arch Toxikol 28:39-45, 1971 (Ger)

POISONING

Dangerous redistribution of thallium by treatment with sodium diethyldithiocarbamate. Kamerbeek HH, et al.
Acta Med Scand 189:149-54, Mar 71
Chronic thallium poisoning. Gefel A, et al.
Isr J Med Sci 6:380-2, May-Jun 70
Thallium intoxication treated with diphenylthiocarbazone and hemodialysis. Vergara G, et al. Neurology (Minneap) 20:406, Apr 70
[Distribution of thallium in the kidney and liver in fatal poisoning] Weinig E, et al.
Arch Toxikol 27:217-25, 1971 (Ger)
[Therapy of thallium poisoning using hemodialysis] Piazolo P, et al.
Dtsch Med Wochenschr 96:1217-8 passim, 16 Jul 71 (Ger)
[Thallium poisoning with intravascular coagulopathy] Keller R, et al.
Schweiz Med Wochenschr 101:511-5, 10 Apr 71 (Ger)
[Refractory period and impulse sequence recorded from the tibial nerve of guinea-pigs with acute thallium polyneuropathy] Tackmann W, et al.
Z Neurol 199:105-15, 28 Apr 71 (Ger)
[Histochemical detection of thallium] Fiori A, et al.
Zacchia 5:121-36, Jan-Mar 69 (Ita)
[Pathomorphological changes in the nervous system and internal organs in poisoning with thallium derivatives] Karkos J.
Pol Tyg Lek 25:1818-9, Nov 70 (12 ref.) (Pol)
[Alopecia caused by thallium sulfate] Estrella RR, et al.
An Bras Dermatol 45:333-8, Oct-Dec 70 (Por)
[Thallium poisoning. Case report] Arruda JA, et al.
Hospital (Rio de J) 77:1971-8, Jun 70 (Por)

TOXICITY

Antitumor activity and toxicity of salts of inorganic group 3a metals: aluminum, gallium, indium, and thallium. Hart MM, et al.
Proc Natl Acad Sci USA 68:1628-6, Jul 71
[Influence of colloidal ferrihexacyanoferrate (2) on distribution and toxicity of thallium] Günther M.
Arch Toxikol 28:39-45, 1971 (Ger)

THAM see TROMETHAMINE (D13)

THEBAINE (D2, D6)

Novel analgesics and molecular rearrangements in the morphine-thebaine group. XIX. Further Diels-Alder adducts of thebaine. Lewis JW, et al.
J Chem Soc [Org] 6:1158-61, 1971
Novel analgesics and molecular rearrangements in the morphine-thebaine group. XX. Reaction of 7-beta-cyano-6,14-endo-etheno-7-alpha-methyl-6,7,8,14-tetrahydrothebaine with phenylmagnesium bromide. Lewis JW, et al.
J Chem Soc [Org] 6:1161-3, 1971

PHARMACODYNAMICS

Effects of narcotic analgesics upon the locomotor activity and brain catecholamine content of the mouse. Rethy CR, et al.
J Pharmacol Exp Ther 176:472-9, Feb 71

THEBAINE DERIVATIVES see under

MORPHINANS (D2)

THECA CELL TUMOR (C2)

CHEMICALLY INDUCED

Bilateral non functionning thecoma of the ovary in epileptic children under anticonvulsant therapy. Schweisguth O, et al.
Acta Paediatr Scand 60:6-10, Jan 71

CLASSIFICATION

Classification of fibroma and the coma of the ovary. An ultrastructural study. Amin HK, et al.
Cancer 27:438-46, Feb 71

COMPLICATIONS

Luteomas of pregnancy: a cause for maternal virilization. Jewelewicz R, et al.
Am J Obstet Gynecol 109:24-8, 1 Jan 71
[Ovarian thecoma associated with adrenocarcinoma of the endometrium. Biochemical study] Netter A, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:431-8, Sep-Oct 70 (Fre)
[Thecoma in polycystic ovaries] Csaba I, et al.
Z Geburtshilfe Gynaekol 171:284-92, Dec 69 (Ger)
[Ovarian thecomatosis and hemorrhage in menopause] Kostina LI, et al. Vopr Onkol 16:11-7, 1970 (Rus)

DIAGNOSIS

[Thecoma of the ovary (anatomo-clinical contribution)] Chantera A, et al.
Arch Ostet Ginecol 74:72-90, Jan-Feb 69 (Ita)

ETIOLOGY

[Development of ovarian tumors in rats caused by intrasplenic transplants] Skurzak H, et al.
Nowotwory 21:97-102, Apr-Jun 71 (Pol)
[The pathogenesis of experimental hormone producing ovarian tumors] Shefnin PI.
Vopr Onkol 16:48-55, 1970 (Rus)

OCCURRENCE

[Clinical and statistical contribution on feminizing ovarian tumors (granulosa cell and theca cell tumors)] Macchioni B, et al.
Minerva Ginecol 21:435-41, 15 Apr 69 (Ita)

PATHOLOGY

Luteoma of pregnancy. Dische FE, et al.
J Pathol 100:77-8, Jan 70
Feminizing mesenchymal tumours of the ovary. A clinico-pathological review. Persaud V, et al.
West Indian Med J 19:37-47, Mar 70
[Granulosa theca cell tumors. I. General and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

morphologic considerations] Dalforno S, et al. Cancro 22:50-150, 1969 (Ita)
[A case of ovarian thecoma in a 12-year-old girl] Dębowska-Wójcik D.
Pol Tyg Lek 25:1949-51, 14 Dec 70 (Pol)

THEILERIASIS (C1, C15)

East Coast fever. Wilde JK.
Adv Vet Sci Comp Med 11:207-59, 1967 (132 ref.)
Ifection of Rhipicephalus appendiculatus ticks with Theileria parva, using a rabbit's head perfusion technique. Irvin AD, et al. Res Vet Sci 11:493-5, Sep 70
Infection of the tick Rhipicephalus appendiculatus with Theileria parva using an artificial feeding technique. Purnell RE. Res Vet Sci 11:403-5, Jul 70
[Cultures of bovine lymphocytes lines parasitized with Theileria annulata] Van den Ende M, et al.
C R Acad Sci [D] (Paris) 272:87-9, 4 Jan 71 (Fre)

COMPLICATIONS

[Abortions of cows after invasion by Theileria annulata (Dschunkowsky and Luhs, 1904)] Waltschowski J, et al.
Zentralbl Veterinaermed [B] 17:895-903, Sep 70 (Ger)

DRUG THERAPY

Treatment of East Coast fever. Jones TO.
Vet Rec 88:316, 20 Mar 71

IMMUNOLOGY

Complement-fixing antibodies in cattle experimentally infected with Theileria annulata or vaccinated with tissue cultures. Hooshmand-Rad P, et al.
Br Vet J 127:244-50, May 71
Transformation of reticulum cells to lymphoblasts in cultures of bovine spleen infected with Theileria parva. Moulton JE, et al. Lab Invest 24:187-96, Mar 71
Application of the indirect fluorescent antibody test in experimental East Coast fever (Theileria parva infection of cattle). Burridge MJ.
Res Vet Sci 12:338-41, Jul 71

OCCURRENCE

Vectors of Theileria hirci in south and southeast of Iran. Mazlum Z.
Ann Parasitol Hum Comp 45:523-5, Jul-Aug 70
Ticks and tick-borne diseases in Japan. Kitaoka S.
Bull Off Int Epizoot 73:115-9, Jan-Feb 70
Amblyomma (Acarina: Ixodidae) on white-tailed deer, Odocoileus virginianus (Zimmermann), from south Texas with implications for theileriasis. Samuel WM, et al. J Med Entomol 7:567-74, Nov 70

VETERINARY

Theileriasis. II. Clinical cases in indigenous calves. Sharma RD, et al. Indian Vet J 48:83-90, Jan 71
Theileria parva: comparative infection rates of adult and nymphal Rhipicephalus appendiculatus. Purnell RE, et al. Parasitology 62:349-53, Apr 71
[Luminescent method of studying blood parasites] Choenbaev ZN. Veterinariia 9:73, Sep 70 (Rus)
[Occurrence of Theileria sergenti on the Apsheron peninsula] Gumbatov MG.
Veterinariia 9:69-70, Sep 70 (Rus)
[Treatment of animals in theileriasis] Levchenko FF.
Veterinariia 8:69-70, Aug 70 (Rus)
[Treatment of cattle with theileriasis] Ogandzhanian PP. Veterinariia 9:70-1, Sep 70 (Rus)

THELAZIA see under SPIRUROIDEA (B1)

THEMATIC APPERCEPTION TEST (E1, F3)

An experimental study of parental castration phantasies. Karon BP. Br J Psychiatry 117:69-73, Jul 70
The effect of black-white reversal on the TAT. Hartman AA, et al. J Clin Psychol 27:383-4, Jul 71
Quantified judgments of mental health from the rorschach, TAT, and clinical status interview by means of a scaling technique. Karon BP, et al.
J Consult Clin Psychol 34:229-35, Apr 70
An alternative interpretation of Masling and Harris' study on the sexual aspects of TAT administration. Wolf MG. J Consult Clin Psychol 35:328-9, Dec 70
An exploratory study of the effects of emotionally toned incidental stimuli. Wachtel PL, et al.
J Pers 38:467-81, Dec 70
An addition to Hartman's "Basic TAT Set". Mundy J.
J Pers Assess 35:307-8, Aug 71
Dyadic influence in an "ESP study" and TAT measures of the needs for influence and power. Uleman JS.
J Pers Assess 35:248-51, Jun 71
Content analysis: TAT card 12BG--the rowboat as a symbol oor female body image and sexual activity. Mundy J. Psychol Rep 28:219-22, Feb 71

THEOBROMINE (D2, D6)

[Qualitative characteristic of complexes of theobromine with interhaloid compounds by means of infrared spectrophotometry] Melent'eva GA, et al.
Farmatsiia 20:31-6, Jan-Feb 71 (Rus)

ADMINISTRATION & DOSAGE

[Pharmacological activity of some 8-diethylaminomethyl N-methylated xanthines and hypoxanthines] Liberman SS, et al.
Farmakol Toksikol 33:586-90, Sep-Oct 70 (Rus)

ANALYSIS

[Titrations in concentrated saline medium: application to the argentimetric determination of theophylline and theobromine] Pellerin F, et al.
Ann Pharm Fr 29:153-60, Mar 71 (Fre)
[Effect of medium pH and nature of organic solvents on the extraction of theobromine from aqueous solutions] Shkadova AI.
Farm Zh 26:69-70, Jan-Feb 71 (Ukr)

PHARMACODYNAMICS

Comparative stimulant and diuretic actions of caffeine and theobromine in man. Dorfman LJ, et al.
Clin Pharmacol Ther 11:869-72, Nov-Dec 70
[Interaction between xanthines and noradrenaline- 3 H in the isolated rat heart] Cohen Y, et al.
Biochem Pharmacol 19:2117-24, Jun 70 (Fre)
[Caffeine-antagonistic effects of theobromine and caffeine-like properties of theobromine metabolites] Heim F, et al. Arzneim Forsch 21:1039-43, Jul 71 (Ger)
[Theobromine as a potential cariostatic agent] De Martini V, et al. Friuli Med 24:525-9, Sep-Oct 69 (Ita)

THEOPHYLLINE (D2, D6)

Structural studies on molecular complexes. V. Crystal structures of sulfathiazole-sulfanilamide and sulfathiazole-theophylline complexes. Shefter E, et al. J Pharm Sci 60:282-6, Feb 71
[Tablets of 7-(3'-(methylhydroxyethylamino)-2'-hydroxypropyl)-theophylline nicotinate with delayed action. I. Moderation of the release of the active substance by some additives] Pawlak E, et al.
Acta Pol Pharm 28:43-7, 1971 (Pol)
[Studies on the kinetics of the decomposition of theophylline derivatives. I. Application of alternating current oscillopolarography for the determination of decomposition kinetics of xanthinol nicotinate in the alkaline medium] Szyszko E, et al.
Acta Pol Pharm 27:545-53, 1970 (Pol)

ADMINISTRATION & DOSAGE

A comparative assessment of choline theophyllinate and sustained-release theophylline in patients attending a chest clinic. McIntosh D.
Br J Clin Pract 25:233-5, May 71
Comparison of drugs for asthma. Tivenius L.
Br Med J 2:773, 26 Jun 71
Bronchodilator action of drug combinations in asthmatic patients. Ephedrine, theophylline and tranquilizing drugs. Muittari A, et al.
Curr Ther Res 13:374-85, Jun 71
Theograd, Numotac and Ventolin tablets.
Drug Ther Bull 8:95-6, 20 Nov 70
The effect of oral theophylline on bronchospasm. Taub SJ. Eye Ear Nose Throat Mon 50:380-1, Sep 71
The effect of oral theophylline on bronchospasm. Howard LA. J Asthma Res 8:111-4, Mar 71
Slow release salbutamol and Tedral in the treatment of reversible airways obstruction. Lal S, et al.
Postgrad Med J 47:Suppl:89-92, Mar 71
A long-acting theophylline preparation.
Practitioner 206:283-6, Feb 71
[Value of the 1035 MD in geriatrics] Catrix G, et al.
Rev Lyon Med 19:797-805, 15 Dec 70 (Fre)
[Treatment of asthma with a new prolonged-action drug] Dubois de Montreynaud JM.
Therapeutique 47:349-52, Mar 71 (Fre)
[Drug therapy of perinatal asphyxia] Lupp H.
Med Welt 31:1245-7, 7 Aug 71 (Ger)
[Therapy of chronic-obstructive ailments of the respiratory tract] Virchow C, et al.
Praxis 59:24-8, 6 Jan 70 (Ger)
[Therapy of chronic hepatitis using Metabolan] Freude J, et al. Ther Ggw 110:1157-68, Aug 71 (Ger)
[Oral cardiac therapy with Alvonal MR and Theo-Alvonal]
Z Allgemeinmed 46:1671-3, 30 Nov 70 (Ger)
[Hematic concentrations and therapeutic effectiveness of theophylline monoethanolamine administered in micro-enemas in spastic disorders of the respiratory tract in childhood] Pindinelli C, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1325-30, 1968 (Ita)
[Therapeutic action of a drug with constant and prolonged release (Netaprina Dospan) in the treatment of various obstructive broncho-pneumopathies] Fontana A, et al.
Policlinico [Prat] 77:1247-54, 28 Sep 70 (Ita)
[Clinical comparison between terbutalin and proxiphyllin administered orally] Hagelund CH.
Nord Med 85:728-9, 10 Jun 71 (Nor)
[Effect of theophylline on the kidney] Vlasov VV.
Farmakol Toksikol 33:697-9, 1970 (Rus)
[Modifications induced in the uric acid level by a combination niacin methoxyprophylline mucopolysaccharide and its interrelation with lipid metabolism] Passananto D, et al.
Pensa Med Argent 57:1149-50, 7 Aug 70 (Spa)

ADVERSE EFFECTS

[The oncogenicity of N-7-hydroxylated purine derivatives 7-hydroxy-theophylline] Güttner J, et al.
Arzneim Forsch 21:356-8, Mar 71 (Ger)

ANALYSIS

[Titrations in concentrated saline medium: application to the argentimetric determination of theophylline and theobromine] Pellerin F, et al.
Ann Pharm Fr 29:153-60, Mar 71 (Fre)
[Identification and quantitative determination of theophylline derivatives. 3] Yalcindag ON.
J Pharm Belg 25:423-9, Sep-Oct 70 (Fre)
[Development of an oral nitroglycerin proxyphylin retard compound] Ritschel WA, et al.
Arzneim Forsch 20:1180-7, Sep 70 (Ger)
[Simultaneous spectrophotometric determination of the components of a binary mixture with graphic resolution. I] Savoia F.
Boll Soc Ital Biol Sper 45:939-41, 31 Jul 69 (Ita)
[Simultaneous spectrophotometric determination of the components of a binary mixture with graphic resolution. II] Savoia F.
Boll Soc Ital Biol Sper 45:942-3, 31 Jul 69 (Ita)
[Studies on analysis of mixed anti-cold pharmaceutical preparations. IX. Application of countercurrent distribution method] Onishi R, et al.
J Pharm Soc Jap 91:534-41, May 71 (Jap)
[Amperometric titration of theophylline in composed pharmaceutical preparations] Wasilewska L.
Acta Pol Pharm 27:555-60, 1970 (Pol)

ANTAGONISTS & INHIBITORS

Inhibition of norepinephrine stimulated adenyl cyclase by theophylline. Sheppard H.
Nature (Lond) 228:567-8, 7 Nov 70

BLOOD

A comparison of the gastrointestinal absorption profiles of theophylline from various vehicles. Diamond L.
Arch Int Pharmacodyn Ther 185:246-53, Jun 70

DIAGNOSTIC USE

Effect of theophylline, glucagon and theophylline plus glucagon on insulin secretion in the premature infant. Grasso S, et al. Diabetes 19:837-41, Nov 70
[Pharmacodynamics of cardiac output in childhood] Weigand KH, et al.
Dtsch Med Wochenschr 96:1302-6, 6 Aug 71 (Ger)
[Theophylline nicotinate intravenous loading test in liver diseases] Naccarato R, et al.
G Clin Med 51:510-30, Jun 70 (Ita)

ISOLATION & PURIFICATION

Gas chromatographic determination of 7-(beta-hydroxypropyl) theophylline in biological fluids. Ervik M. Acta Pharm Suec 7:697-700, Dec 70

METABOLISM

Absorption and excretion of piperazine theophylline ethanoate- 14 C in the rat. Strolin-Benedetti M, et al.
Arzneim Forsch 21:662-4, May 71
The metabolic fate of 3H-fenetylline in man. Ellison T, et al. Eur J Pharmacol 12:123-8, 1970

PHARMACODYNAMICS

Hemodynamic effects of complamin. Abrahamsen AM, et al. Acta Med Scand 188:81-3, Jul-Aug 70
Metabolic and circulatory effects of theophylline in canine subcutaneous adipose tissue. Fredholm BB.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:46, 1970
Central hemodynamic responses to xantimol-nicotinate. Blümchen G, et al.
Arzneim Forsch 20:1067-9, Aug 70
Fibrinogen turnover during the treatment with xantinol nicotinate. Cultrera G, et al.
Arzneim Forsch 21:954-7, Jul 71
A new method for pharmacological correlative testing. Schennetten F, et al. Bibl Cardiol 26:342, Mar-Apr 69
Evidence for a hepatic transport system not responsive

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

to glucagon or theophylline. Harrison LI, et al. Biochem Biophys Res Commun 43:119-25, 2 Apr 71
Effet of prostaglandin E1 alone and in combination with theophylline or aspirin on collagen-induced platelet aggregation and on platelet nucleotides including adenosine 3':5'-cyclic monophosphate. Ball G, et al. Biochem J 120:709-18, Dec 70
The effects of theophylline on mucosubstance secretion by rous sarcoma cells. Coe DM, et al. Biochem J 120:21P, Dec 70
Effects of theophylline and adenosine 3':5'-cclic monophosphate on growth hormone release from the isolated rat anterior pituitary gland. Ewart RB, et al. Biochem J 120:10P, Dec 70
Effect of potassium ion, theophylline and propranolol on the biphasic lipolytic response to some catecholamines. Allen DO, et al. Biochem Pharmacol 19:2569-78, Sep 70
Induction of tyrosine aminotransferase in rat liver by epinephrine and theophylline. Fuller RW, et al. Biochem Pharmacol 19:1515-21, Apr 70
Effects of phosphodiesterase inhibitors and cyclic nucleotides on sperm respiration and motility. Garbers DL, et al. Biochemistry 10:1825-31, 11 May 71
Insulin secretion studied in the perfused rat pancreas. II. Effect of glucose, glucagon, 3'5' adenosine monophosphate, theophylline, imidazole and phenoxybenzamine; their interaction with diazoxide. Basabe JC, et al. Diabetes 20:457-66, Jul 71
Modification by cortisone of the plasma Ca and P responses to imidazole and theophylline. Bird PC, et al. Endocrinology 88:1267-71, May 71
Inhibition by theophylline of the stimulatory effects of growth hormone on amino acid transport and protein synthesis in muscle. Payne SG, et al. Endocrinology 87:1186-91, Dec 70
Induction of uterine phosphofructokinase by cyclic 3',5'-adenosine monophosphate. Singhal RL, et al. Endocrinology 87:1099-104, Nov 70
Thyroid secretion in vitro: multiple actions of agents affecting secretion. Williams JA, et al. Endocrinology 88:206-17, Jan 71
Effect of caffeine and theophylline on peripheral catecholamines. Berkowitz BA, et al. Eur J Pharmacol 13:193-6, Jan 71
The effect of theophylline and adrenaline on the lipolytic response of rats of different age. Jelínková M, et al. Exp Gerontol 5:257-60, Sep 70
The effect of theophylline on the actions of pancreozymin and secretin. Pederson RA, et al. Experientia 26:961-2, 26 Sep 70
Effects of prostaglandins, theophylline, and cholera exotoxin upon transmucosal water and electrolyte movement in the canine jejunum. Pierce NF, et al. Gastroenterology 60:22-32, Jan 71
Metabolism of isolated fat cells. VI. The effects of insulin, lipolytic hormones, and theophylline on glucose transport and metabolism in "ghosts". Rodbell M. J Biol Chem 242:5751-6, 25 Dec 67
Perfusion of rat pancreatic tissue in vitro: substrate modification of theophylline-induced biphasic insulin release. Burr IM, et al. J Clin Invest 49:2097-105, Nov 70
Effects of vasopressin, cyclic AMP, and theophylline on oxygen consumption of toad bladder "sacs". Parisi M, et al. J Endocrinol 48:117-24, Sep 70
Effect of age on norepinephrine-, ACTH-, theophylline- and dibutryl cyclic AMP-induced lipolysis in isolated rat fat cells. Nakano J, et al. J Gerontol 26:8-12, Jan 71
Increase in the content of adenosine 3',5'-monophosphate in mouse forebrain during seizures and prevention of the increase by methylxanthines. Sattin A. J Neurochem 18:1087-96, Jun 71
Effect of theophylline and 3',5'-cyclic adenosine monophosphate on the salivary amylase secretion from rabbit parotid gland. Kojima S, et al. Jap J Pharmacol 21:199-207, Apr 71
The interaction of glucagon with theophylline, PGE1, isoproterenol, ouabain, and CaCl on the dog isolated papillary muscle. Antonaccio MJ, et al. Life Sci [I] 9:1081-9, 1 Oct 70
The effect of isoprenaline, theophylline and adenosine 3', 5'-monophosphate on the isolated vas deferens of the guinea-pig. Lambie JW. Life Sci [I] 9:463-70, 15 Apr 70
Stimulation of luteinizing hormone release in vitro by dibutyryl-cyclic-AMP and theophylline. Ratner A. Life Sci [I] 9:1221-6, 1 Nov 70
Co-induction of the hepatic amino acid transport system and tyrosine aminotransferase by theophylline, glucagon and dibutyryl-cyclic AMP in vivo. Scott DF, et al. Life Sci [II] 9:1133-40, 8 Oct 70
Effect of theophylline on glucagon and glucose-mediated plasma insulin responses in subhuman primate fetus and neonate. Chez RA, et al. Metabolism 20:805-15, Aug 71
Inhibition of norepinephrine stimulated adenyl cyclase by theophylline. Sheppard H. Nature (Lond) 228:567-8, 7 Nov 70
Effect of vitamin B6 deficiency on the metabolism of isolated fat cells: response to insulin, epinephrine and theophylline. Sabo DJ, et al. Proc Soc Exp Biol Med 136:542-6, Feb 71
Theophylline-induced potentiation of estrogen action. Lafreniere RT, et al. Steroids 17:323-9, Mar 71
[Hemodynamic effects of beta-receptor stimulants after beta-adrenergic blockade and theophylline] Stauch M, et al. Ann Cardiol Angeiol (Paris) 20:71-2, Jan-Feb 71 (Fre)
[Interaction between xanthines and noradrenaline- 3 H in the isolated rat heart] Cohen Y, et al. Biochem Pharmacol 19:2117-24, Jun 70 (Fre)
[Influence of xanthinol nicotinate on hyperlactacidemia induced by epinephrine and norepinephrine] Brenner G. Arzneim Forsch 20:1860-2, Dec 70 (Ger)
[The influence of a theophylline combination on reflectorily constricted pulmonary vessels in the animal experiment (dog)] Hahn N, et al. Arzneim Forsch 21:486-9, Apr 71 (Ger)
[Effect of xanthinol nicotinate on the isolated perfused lungs] Husemann B. Arzneim Forsch 20:1070-1, Aug 70 (Ger)
[Hemodynamics of the isolated kidney under the effect of xanthinol nicotinate] Husemann B. Arzneim Forsch 20:1069-70, Aug 70 (Ger)
[The influence of xantinol nicotinate on vascularisation and formation of vascular collaterals in extremity arteries in the animal experiment] Schmitt G, et al. Arzneim Forsch 21:446-9, Apr 71 (Ger)
[The influence of 1,3-dimethylxanthine and methenolone acetate on the amount of nucleic acid, protein and cells in the mouse kidney] Schwarzlose W. Arzneim Forsch 20:1245-9, Sep 70 (Ger)
[Influence of hypermagnesemia on methylxanthine (theophylline)-stimulated gastric acid, electrolyte, and pepsinogen secretion of the stomach in man] Miederer SE, et al. Klin Wochenschr 49:24-7, Jan 71 (Ger)
[Effects of glucagon on the acid electrolyte and pepsinogen secretion of the human stomach, stimulated by methylxanthine (theophylline)] Miederer SE, et al. Klin Wochenschr 48:1339-43, 15 Nov 70 (Ger)
[Effect of theophylline on gastric acid secretion submaximally stimulated by pentagastrin] Ottenjann R, et al. Klin Wochenschr 49:56-7, Jan 71 (Ger)
[Chronotropism of theophylline in man. Demonstration of a lasting increase in heart rate using additional drug vagolysis and physical exertion] Meier G, et al. Med Klin 65:1521-6, 28 Aug 70 (Ger)
[The influence of glucagon and secretin on methylxanthine (theophylline) intracellular-stimulated stomach secretion in humans] Miederer SE, et al. Med Welt 6:209-11, 6 Feb 71 (Ger)
[Effects of various hormones and drugs on adenyl cyclase of rat kidney] Jakobs KH, et al. Naunyn Schmiedebergs Arch Pharmakol 266:364-5, 1970 (Ger)
[Dissociation of function and metabolism of the isolated guinea pig heart under the influence of phosphodiesterase inhibitors] Klaus W, et al. Naunyn Schmiedebergs Arch Pharmakol 267:99-113, 1970 (Ger)
[Influence of thyroid gland function on the chronotropic and some metabolic actions of theophylline and caffeine] Strubelt O, et al. Naunyn Schmiedebergs Arch Pharmakol 267:135-54, 1970 (Ger)
[Effect of caffeine on the autoregulation of perfusion flow in the isolated, artificially perfused rat kidney] Augustin HJ, et al. Z Gesamte Exp Med 154:117-25, 1971 (Ger)
[Choleretic action of furosemide and of theophylline in the rat] Siro-Brigiani G, et al. Boll Soc Ital Biol Sper 46:607-8, 15 Jul 70 (Ita)
[Effect of Complamin on conjunctival, choroidal and retinal vessels in rabbits and evaluation of its effectiveness in humans] Drozdowska S. Klin Oczna 40:763-5, 1970 (Pol)
[Effect of insulin on the secretion of gastric juice and its proteolytic activity after intravenous injection of Sadamine] Badurski J, et al. Pol Tyg Lek 26:305-7, 1 Mar 71 (Pol)
[Influence of some vasoactive drugs on blood platelet aggregation] Mydliwiec M, et al. Pol Tyg Lek 26:383-5, 15 Mar 71 (Pol)
[Symposium of lung doctors. 7. Bronchodilatory effect of theophylline derivatives] Georg J. Lakartidningen 68:603-5, 3 Feb 71 (Swe)

THERAPEUTIC USE

Double-blind trial of a combination of chlordiazepoxide, ephedrine and theophylline (brontrium) in bronchospasm. Lascelles BD. J R Coll Gen Pract 20:371-5, Dec 70
Drug therapy X-asthma. Johnson RL. Northwest Med 70:87-91, Feb 71
The treatment of impending vascular occlusion with rheomacrodex, heparin and complamine. Leeman AM. Ophthalmologica 162:296-7, 1971
Clinical investigation of a new broncholyticum--decioxizine--as compared with franol and placebo treatment. Kieheiß J, et al. Respiration 27:582-90, 1970
The effects of hyperbaric oxygen, dimethyl sulfoxide and Complamin on the survival of experimental skin flaps. Arturson G, et al. Scand J Plast Reconstr Surg 4:8-10, 1970
Clinical evaluation of xanthinol nicotinate ("complamin") in Nigerians with cerebral thrombosis. Dada TO. West Afr Med J 20:202-5, Feb 71
[Restructuring action of Sureptil in anxio-depressive components of involutive states] Carrère J. Ann Med Psychol (Paris) 2:409-19, Oct 70 (Fre)
[Therapeutic results with 1035 MD (apropos of 92 cases)] Deltell P, et al. Ann Med Psychol (Paris) 1:261-8, Feb 71 (Fre)
[Clinical trials of heptaminol acefyllinate in the prevention of hypotension following neuroleptic treatment] Soulairac A, et al. Ann Med Psychol (Paris) 1:650-8, Apr 69 (Fre)
[Verification of the efficacy of heptaminol acefyllinate in asthmatics and chronic respiratory insufficient patients] Castaing R, et al. Bord Med 4:953-5, Mar 71 (Fre)
[Alpolone and allergy in otorhinolaryngology (54 cases)] Julian A, et al. J Fr Otorhinolaryngol 18:251-4, Apr 69 (Fre)
[Complamin in degenerative states and nutritional disorders of the internal ear] Riu R, et al. Rev Laryngol Otol Rhinol (Bord) 90:350-9, May-Jun 69 (Fre)
[Use of theophyllinyl 7- -n propane sulfonate of papaverine in rehabilitation and functional readaptation] Blanc A, et al. Therapeutique 47:391-3, Apr 71 (Fre)
[Comparative study on the effectiveness of protophyllin] Krieger M, et al. Union Med Can 99:2242-51, Dec 70 (Fre)
[The effects of theophylline, isoprenaline, orciprenaline and dexamethasone on the protracted anaphylactic shock of the guinea pig] Giertz H, et al. Arzneim Forsch 20:1551-4, Oct 70 (Ger)
[Clinical, clinical-chemical and cerebral bioelectric testing of a combination of hexobendine, ethamivan and hydroxyethyltheophyllin] Jovanović UJ, et al. Arzneim Forsch 20:1223-30, Sep 70 (Ger)
[Results of therapy for spastic bronchitis using a combination of theophylline, ephedrine and phenylethylbarbituric acid] Osten H. Arzneim Forsch 21:876-80, Jun 71 (Ger)
[Studies on the brain edema induced by triethyltinsulfate in rats. 8. The effect of theophylline on the fine structural alterations in experimental triethyltinsulfate-induced poisoning in rats] Várkonyi T, et al. Arzneim Forsch 20:1594-5, Oct 70 (Ger)
[Prevention of fetal asphyxia with theophylline drugs] Nobel J, et al. Geburtshilfe Frauenheilkd 30:903-11, Oct 70 (Ger)
[On the treatment of early symptoms of prescierosis. Experience with Instenon in a blind study] Kandziora J. Med Klin 66:889-91, 11 Jun 71 (Ger)
[Objective subjective and biometric-chemical study of a combined antiasthmatic drug] Becker E. Med Monatsschr 25:189-91, Apr 71 (Ger)
[Ambulatory treatment of cerebrovascular disorders including encephalographic and ophthalmologic studies] Leube H, et al. Med Monatsschr 24:366-9, Aug 70 (Ger)
[Use of a xanthine derivative in peripheral arterial blood flow disorders] Weger WP de. Med Monatsschr 24:221-5, May 70 (Ger)
[Oscillographic results of the treatment of peripheral circulatory disorders with Theo-Keberiven] Akdeniz H. Med Welt 34:1469-72, 22 Aug 70 (Ger)
[Oral therapy with germakellin--clinico-experimental studies] Paleček I. Munch Med Wochenschr 112:199-202, 30 Jan 70 (Ger)
[Conservative treatment of cerebral insufficiency. Experiences with wallerox] Poser G. Munch Med Wochenschr 113:738-41, 7 May 71 (Ger)
[Pre- and post-operative treatment of vasculopathic and aged patients: our experience with xanthinol nicotinate (Complamin)] Grugni P, et al. Acta Anaesthesiol (Padova) 21:217-23, Mar-Apr 70 (Ita)
[Xanthinol niacinate as a supplement to the surgical treatment of advanced glaucoma] Mazza C. Ann Ottalmol Clin Ocul 95:809-17, Jul 69 (Ita)
[Therapy of silicotuberculosis with a combination preparation] Menichetti L, et al. Clin Ter 55:11-20, 15 Oct 70 (Ita)
[Combination of chloramphenicol succinate of pyrrolidine methyl-tetracycline, guaiacol glyceryl ether and beta-hydroxypropyl-theophylline in the therapy of diseases of the respiratory tract in aged patients] Michetti A, et al. G Gerontol 17:261-78, Mar 69 (Ita)
[Electroencephalographic study in patients with cerebral arteriosclerotic lesions. Modifications induced by hemokinetic treatment in course of a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

barbiturate narcosis] Ruggerini R, et al.
Minerva Anestesiol 37:164-73, Apr 71 (Ita)
[The action of Teo-Caradrin in cardiovascular diseases. Our clinical experience] Molino N, et al.
Minerva Cardioangiol 17:915-28, Nov 69 (Ita)
[Therapeutic trial of an association of theophylline and proscillaridin A in the treatment of cor pulmonale and of some decompensated heart diseases] Ballerini C, et al. Minerva Med 62:1225-37, 21 Mar 71 (Ita)
[Clinical application of Apoplectal (drug affecting the peripheral circulation) in otorhinologic field] Mishima A.
Otolaryngology (Tokyo) 43:257-62, Mar 71 (Jap)
[Theophyllamine in apoplexy. New information] Naess K. Tidsskr Nor Laegeforen 91:734, 10 Apr 71 (Nor)
[Results of Complamin treatment in some skin diseases] Chorążak T, et al.
Pol Tyg Lek 26:803-5, 24 May 71 (Pol)
[Sadamin and Complamin in the treatment of coronary disease] Dubiel JP, et al.
Pol Tyg Lek 25:2038-40, 28 Dec 70 (Pol)
[Clinical findings on a combination of bronchodilators and a sedative in bronchial asthma] Silva AC da. Hospital (Rio de J) 78:491-500, Aug 70 (Por)
[Effects of combined pentosanpolysulfonic ester, xanthinol nicotinate and a rutoside on the serum lipids] Sermuksiis B, et al.
Prensa Med Argent 57:1848-51, 27 Nov 70 (Spa)
[Quantitative clinical analysis of the phenethylline (Cap- tagon) effect on hyperkinetic children] Bahr F, et al. Rev Neuropsiquiatr 33:233-42, Sep 70 (Spa)

TOXICITY

[Pharmacology of the derivatives of 6,8-dimethylimidazoline(1,2-f) xanthine] Vlasov VV, et al. Farmakol Toksikol 33:582-6, Sep-Oct 70 (Rus)

THERAPEUTIC COMMUNITY (F3)

Patient groups in a therapeutic community. Gardner K.
Am J Nurs 71:528-31, Mar 71
In a therapeutic community. Huey FL.
Am J Nurs 71:926-33, May 71
Community care and the "Queequeg syndrome": a phenomenological evaluation of methods of rehabilitation for psychotic patients. Darley PJ, et al.
Am J Psychiatry 127:1333-8, Apr 71
Sociopsychiatric treatment of alcoholism in an urban ghetto. Zimberg S, et al.
Am J Psychiatry 127:1670-4, Jun 71
The evolution of mental health treatment programs. A case example. Kuldau JM, et al.
Arch Gen Psychiatry 25:118-22, Aug 71
Social systems intervention. Polak P.
Arch Gen Psychiatry 25:110-7, Aug 71
The therapeutic community with chronic mental patients. Maller JO. Bibl Psychiatr 146:1-143, 1971
Themes in a therapeutic community. Clark DH, et al.
Br J Psychiatry 117:389-95, Oct 70
Adolescents in psychiatric care. Br Med J 2:3-4, 3 Apr 71
A therapeutic club for schizophrenic adolescents. Aleksandrowicz DR, et al.
Bull Menninger Clin 35:199-202, May 71
Synanon: a therapeutic life style. Batiste CG, et al.
Calif Med 114:90-4, May 71
Evaluation of psychiatric services. Milieu therapy and the therapeutic community. Stauble WJ.
Can Psychiatr Assoc J 16:197-202, Jun 71
A small-group approach on State Hospital wards. Bartz WR. Hosp Community Psychiatry 21:390-3, Dec 70
Group living in the community for chronic patients. Bowen WT, et al.
Hosp Community Psychiatry 22:205-8, Jul 71
Modifications of a therapeutic community on a brief-stay ward. Gottlieb BM, et al.
Hosp Community Psychiatry 22:23-4, Jan 71
Outcome of patients' assuming a staff function. Mabel S. Hosp Community Psychiatry 22:25-8, Jan 71
Liturgical worship in a state hospital. Travis JL.
Hosp Community Psychiatry 21:237-8, Jul 70
Establishing a therapeutic community in a municipal hospital. Winston A, et al.
Hosp Community Psychiatry 21:397-400, Dec 70
Drug abuse treatment programs. Alternatives to methadone. Wolfson EA. Hospitals 45:53-5, 1 Aug 71
A school in a therapeutic community. Rothenberg A, et al. Int J Soc Psychiatry 16:23-38, Winter 69
Differential effects of psychiatric ward settings on patient change. Moos RH.
J Nerv Ment Dis 151:316-21, Nov 70
A long-stay therapeutic community. Heath PJ.
Lancet 1:1231-2, 12 Jun 71
Therapeutic community: whom are we treating? Angliker CC. Laval Med 42:12-4, 1 Jan 71
Hospital's "therapeutic community" is available when it's needed. McClendon EL, et al.
Mod Hosp 117:96, Jul 71
Treatment in a therapeutic community. A case study in confusional dementia. Wightman F.
Nurs Times 66:1549-51, 3 Dec 70
Are we on the threshold of a new psychiatry? A few dispassionate remarks about the so-called therapeutic community and milieu therapy. Pivnicki D.
Psychiatr Q 44:652-66, 1970
Toward a behaviorally-oriented inventory of program needs in institutional populations of "habilitable" retardates. Maney AC, et al.
Train Sch Bull (Vinel) 66:40-56, May 69
[Therapeutic community at an in-patient department for neurotics] Bouchal M, et al.
Cesk Psychiatr 66:331-8, Dec 70 (Cze)
[Young people with drug abuse treated in a therapeutic community within a psychiatric hospital. Preliminary experiences from Dikemark Hospital, Lien department] Jorstad J.
Tidsskr Nor Laegeforen 91:1367-73, 30 Jun 71 (Nor)
[Meetings of the therapeutic community of the day care hospital] Kostecka M, et al.
Psychiatr Pol 4:655-60, Nov-Dec 70 (Pol)
[Experiences gained during the development of a therapeutic community at the Drewnica hospital] Psychiatr Pol 4:565-72, 1970 (Pol)
[Report number 2 from Birgitta Hospital, ward V10] Burén A, et al.
Lakartidningen 68:1690-2 passim, 7 Apr 71 (Swe)
[Report (6) from Birgitta hospital: escape rate and treatment form] Burén A, et al.
Lakartidningen 68:2457-60, 19 May 71 (Swe)

THERAPEUTIC CULTS (E2)

see also related
QUACKERY (I)

Malaysia and its problems. Balasegaram M.
J R Coll Surg Edinb 16:192-6, Jul 71
An unusual artefact. Karau E, et al.
Radiography 36:284, Nov 70
Unlicensed medical practice in West Malaysia. Chen PC. Trop Geogr Med 23:173-82, Jun 71

HISTORY

Magendie on medicine. (Magendie F), Schiller F.
Calif Med 115:96, Jul 71
The art and gentle science of Pisse-Prophecy. Gardner KD Jr. Hawaii Med J 30:166-9, May-Jun 71

THERAPEUTIC EQUIVALENCY (G1)

Unequal anaesthetic potency despite equal brain concentration of hexobarbital antipodes. Wahlström G, et al. Acta Pharmacol Toxicol (Kbh) 28:493-8, 1970
[Clinical trial of drugs (10): evaluation of drugs] Sjöqvist F.
Lakartidningen 67:Suppl II:111+, 15 Jun 70 (Swe)

THERAPEUTICS (E2)

Decision-making as to type of treatment in a child psychiatry clinic. Kurtz RM, et al.
Am J Orthopsychiatry 40:795-805, Oct 70
Teaching for co-ordinated curative and preventive medicine in Europe today. Cottrell JD.
Ann Soc Belg Med Trop 50:529-43, 1970
Environment as therapeusis. Wilson JL.
Arch Environ Health 22:406-7, Mar 71
Controlled therapeutic trials. Higgins GA Jr.
Arch Surg 102:160-1, Feb 71
Conservative therapy can be radically wrong. Hurwitz MM. Geriatrics 26:54 passim, May 71
Prevention of deleterious oral habits. Kapoor DN, et al.
Indian J Pediatr 37:143-5, Apr 70
The relationship of group psychotherapy to "therapeutic" group approaches. Fidler JW.
Int J Group Psychother 20:473-94, Oct 70
Ethics and clinical trials. Spodick DH.
JAMA 215:1156, 15 Feb 71
The integrity of the healing process in the relationship of the patient, the physician and the clergyman. Beers RF Jr. Johns Hopkins Med J 128:289-94, May 71
Reservations concerning gene therapy. Fox MS, et al.
Science 173:195, 16 Jul 71
What is conservative treatment? Blakeley WR.
Surg Gynecol Obstet 132:687-8, Apr 71
[Analysis of diagnostic and therapeutic strategies using automatic computers] Gorry GA.
Cas Lek Cesk 109:1120-5, Nov 70 (Cze)
[Methodological aspects of clinical therapeutic trials] Schwartz D.
Presse Therm Climat 107:123-9, 1970 (Fre)
[The effective principles of balneology, bioclimatology and physical medicine. Effective principles of therapy] Hoff F.
Arch Phys Ther (Leipz) 21:205-15, Jul-Aug 69 (Ger)
[The status of physiotherapy in phasic disease courses and in the organization of health sciences] Krauss H.
Arch Phys Ther (Leipz) 22:169-74, Jul-Aug 70 (Ger)
[22d German therapeutic week in Karlsruhe from 29 August to 5 September 1970. President: Prof. Dr. H. Bock] Med Klin 65:1715-43, 20 Oct 70 (Ger)
[Polypragmasy in the surgical routine] Geisthövel W, et al.
Munch Med Wochenschr 113:877-84, 4 Jun 71 (Ger)
[Draining methods--critical application of a popular therapy] Schönach A.
Z Allgemeinmed 47:623-9, 30 Apr 71 (Ger)
[Round table conference: present and past of internal therapy] Naika 27:1524-38, Jun 71 (Jap)

HISTORY

Some implications of the circulation theory for disease theory and treatment in the seventeenth century. Davis AB. J Hist Med 26:28-39, Jan 71
Sources and development of Arabic medical therapy and pharmacology. Hamarneh S.
Sudhoffs Arch 54:30-48, Jun 70
[Therapy and therapeutic fads 50 years ago] Ackerknecht EH. Praxis 59:306-8, 3 Mar 70 (Ger)
[Experiments and therapeutic methods in the history of medicine] Meyer HE.
Ther Ggw 110:274-5 passim, Feb 71 (Ger)
[Remote origins of modern etiogenetic concepts and therapeutic and diagnostic methods] Cipriani M.
Riv Stor Med 13:98-115, Jan-Jun 69 (Ita)
[Elements of ethnoiatrics of the XIXth century in the archives of manuscripts of Grigore Creţu. 3. Remedies used by the Rumanian people in diseases of the digestive syst em] Sefer M.
Microbiol Parazitol Epidemiol (Bucur) 16:273-86, May-Jun 71 (Rum)
[Elements of ethnoiatrics of the XIXth century studied in Professor Grigore Creţu's archives of manuscripts. II. Remedies used by the Rumanian people in diseases of the respiratory tract] Sefer M.
Microbiol Parazitol Epidemiol (Bucur) 16:181-9, Mar-Apr 71 (Rum)

THERAPEUTICS COMMITTEE see PHARMACY AND THERAPEUTICS COMMITTEE (N4)

THERMODYNAMICS (H)

On the application of the phenomenological treatment of irreversible thermodynamics to contracting muscle. Chaplain RA, et al.
Acta Biochim Biophys Acad Sci Hung 5:349-63, 1970
Thermodynamic pK, delta H-o, delta S-o, and delta Cp-o values for proton dissociation from several purines and their nucleosides in aqueous solution. Christensen JJ, et al. Biochemistry 9:4907-13, 8 Dec 70
Thermodynamics of the binding of S-peptide to S-protein to form ribonuclease S. Hearn RP, et al.
Biochemistry 10:806-17, 2 Mar 71
An analysis of vacuum effects in the sterilization of microorganisms. Brannen JP. Biophysik 7:55-9, 1970
Experimental thermodynamics of the helix--random coil transition. IV. Influence of the base composition of DNA on the transition enthalpy. Klump H, et al.
Biopolymers 10:513-22, 1971
Heat of denaturation of lysozyme. O'Reilly JM, et al.
Biopolymers 9:1429-35, 1970
A reply to Linus Pauling and A. F. Huxley. Banks BE, et al. Chem Br 6:541-2, 12 Dec 70
A reply to Douglas Wilkie. Ross RA, et al.
Chem Br 6:539-40, 12 Dec 70
Thermodynamics and biology. Wilkie D.
Chem Br 6:472-6, Nov 70
A comparison of desiccation and freezing as stress vectors. Olien CR. Cryobiology 8:244-8, Jun 71
Studies of heme proteins. II. Preparation and thermodynamic properties of sperm whale myoglobin. Keyes MH, et al.
J Am Chem Soc 93:2035-40, 21 Apr 71
Studies of the chymotrypsinogen family of proteins. XI. Heat-capacity changes accompanying reversible thermal unfolding of proteins. Shiao DF, et al.
J Am Chem Soc 93:2024-35, 21 Apr 71
Heat balance of S-peptide-S-protein binding in ribonuclease S. Marzotto A, et al.
J Biochem (Tokyo) 68:833-5, Dec 70
Thermodynamics of micellization of some non-ionic surfactants in mixed solvents. McDonald C.
J Pharm Pharmacol 22:774-7, Oct 70
Thermodynamics in biology: an intruder? Cuirea A, et al. J Theor Biol 28:147-50, Jul 70
Chemical relaxation of cyclic enzyme reactions. IV. Thermodynamics of isomerase systems. Czerlinski GH. J Theor Biol 31:493-9, Jun 71
Entropy reduction in open systems. Fox RF.
J Theor Biol 31:43-6, Apr 71
Temperature "breaks" in Arrhenius plots: a thermodynamic consequence of a phase change. Kumamoto J, et al. J Theor Biol 31:47-51, Apr 71
Chemical instabilities and sustained oscillations. Lefever R, et al. J Theor Biol 30:267-84, Feb 71
Chemical machines, Maxwell's demon and living organisms. McClare CW. J Theor Biol 30:1-34, Jan 71
Note on complex systems. Newman SA.
J Theor Biol 28:411-3, Sep 70
Tellegen's theorem and thermodynamic inequalities. Oster GF, et al. J Theor Biol 32:219-41, Aug 71
Non-equilibrium thermodynamics and electrokinetic interpretation of biological systems. Theilier M.
J Theor Biol 31:389-93, Jun 71
Thermodynamics and muscle contraction: a reply to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Banks and Vernon. White DC.
J Theor Biol 32:631-2, Sep 71
Thermodynamics, chemical reactions and molecular biology. Benzinger TH.
Nature (Lond) 229:100-2, 8 Jan 71
The validity of applying irreversible thermodynamics to muscular contraction. Powell T.
Phys Med Biol 16:233-42, Apr 71
[Assessment of thermophysical properties of peloids and of the heat transfer in a peloid bath] Weiß L.
Fysiatr Reumatol Vestn 45:145-54, Jun 67 (Cse)
[Process of retinal photoreception and thermodynamics or irreversible processes] Delmotte M. Vision Res 10:671-8, Aug 70 (Fre)
[Study of the growth of single cells by means of the thermodynamics of irreversible processes and open systems] Fritzsch G. Biophysik 7:23-9, 1970 (Ger)
[The relationships of the thermic expansion of investment materials] Rehberg HJ.
Dtsch Zahnaerztl Z 25:852, Aug 70 (Ger)
[Center for the Study of the Chemistry of Plasma, Bari] Molinari E. Ric Sci 40:294, Jul-Aug 70 (Ita)
[Cardiology problems] Vianna EV.
Rev Bras Med 28:49-50, Jan 71 (Por)
[Heat exchange and mass transfer in anesthesia apparatus evaporators] Savachenko RI.
Nov Med Priborostr 3:128-33, 1967 (Rus)
[A thermodynamic approach to the problems of development, growth and aging (points at issue)] Trincher KS, et al.
Zh Obshch Biol 30:751-5, Nov-Dec 69 (Rus)
[Use of the concepts entropy and negentrophy in biology] Zotin AI.
Zh Obshch Biol 32:27-36, Jan-Feb 71 (Rus)

EDUCATION

On squid axons, frog skins, and the amazing uses of thermodynamics. Cropper WH.
J Chem Educ 48:182-5, Mar 71

INSTRUMENTATION

An apparatus for thermometric determination of the activity of water in solutions and in biological fluids. Rasmussen J.
Scand J Clin Lab Invest 26:199-208, Nov 70
[Inductive heating of small metallic bodies] Kegel K, et al. Elektromed Biomed Tech 15:64-76, Mar 70 (Ger)

THERMOGRAPHY (E1)

Thermography in the diagnosis of diseases of the eye and the appraisal of therapeutic effects. A preliminary report. Wachtmeister L.
Acta Ophthalmol (Kbh) 48:945-58, 1970
The use of thermography in detection of metastatic breast cancer. Farrell C, et al.
Am J Roentgenol Radium Ther Nucl Med 111:148-52, Jan 71
The use of cholesteric thermographic procedure of screening of vasoactive drugs: a preliminary study. Thompson EB, et al.
Arch Int Pharmacodyn Ther 191:49-57, May 71
Ocular thermography. Mapstone R.
Br J Ophthalmol 54:751-4, Nov 70
Accuracy of screening methods for the diagnosis of breast disease. Furnival IG, et al.
Br Med J 4:461-3, 21 Nov 70
Infrared thermography and breast disease. Oliver R, et al. Br Med J 1:51, 2 Jan 71
The present status of mammary thermography. Haberman JD. CA 19:315-21, Nov-Dec 69
Thermography in detection of early breast cancer. Gershon-Cohen J, et al. Cancer 26:1153-6, Nov 70
Thermographic patterns of the female breast and their relationship to carcinoma. Lapayowker MS, et al.
Cancer 27:819-23, Apr 71
Thermographic patterns of pulmonary disease. Potanin C. Chest 58:491-6, Nov 70
Thermography of the chest. Winsor T.
Chest 58:452, Nov 70
Thermosinuography. Williman MK.
J Am Osteopath Assoc 70:441-9, Jan 71
Preliminary observations on the application of thermography to the study of brown adipose tissue in the human new-born. Bolton DP, et al.
J Physiol (Lond) 208:23P-24P, May 70
Results of studies using two radiological methods in investigating the circulation of exercising human arms. Lynch PR, et al.
J Physiol (Lond) 213:41P-42P, Mar 71
Thermography in diagnosis of thyroid nodule. Karpman HA. JAMA 216:1646-7, 7 Jun 71
Clinical thermography. Patil KD.
Lond Clin Med J 11:31-42, Jan 70
Thermographic studies in vascular headache. Lance JW, et al. Med J Aust 1:240-3, 30 Jan 71
The approach to breast cancer by thermography. Aarts NJ. Minerva Ginecol 23:341-7, 15 Apr 71
Thermography and extracranial cerebrovascular disease: a new method to predict the stroke-prone individual. Capistrant TD, et al.
Minn Med 54:889-92, Sep 71
Correlation of thermography and angiography in carotid arterial disease: thermographic measurement as a screening technique. Price TR, et al.
Neurology (Minneap) 20:396, Apr 70
Placental localization by liquid crystal thermography. Peterson EN, et al. Obstet Gynecol 37:468-73, Mar 71
The calculation of skin temperature distributions in thermography. Draper JW, et al.
Phys Med Biol 16:201-11, Apr 71
Effects of natural and forced cooling on the thermographic patterns of tumours. Feasey CM, et al.
Phys Med Biol 16:213-20, Apr 71
Infrared thermography: a review of current medical application, instrumentation and technique. Curcio BM, et al. Radiol Technol 42:233-47, Jan 71
Imperative changes in detection methods for breast cancer. Gershon-Cohen J.
South Med J 64:387-91, Apr 71
Thermographic study of heat flow in the detection of incompetent perforating veins. Patil KD, et al.
Surg Gynecol Obstet 132:396-402, Mar 71
Thermography and ophthalmology. Keeney AH, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1032-43, Sep-Oct 70
Thermography in detection of human renal transplant rejection. Birsner JW, et al.
Transplantation 11:434-6, Apr 71
[Thermography (thermographic registering)] Osterhammel P, et al.
Nord Med 84:1188-9, 10 Sep 70 (Dan)
[A new method of cutaneous colored thermometry: liquid crystals] Ambrosi C, et al.
Angeiologie 22:277-80, Sep-Oct 70 (Fre)
[Intravascular thermistography is preferable to measurement by cutaneous thermistance] Jacquet M.
Angeiologie 22:389-92 passim, Nov-Dec 70 (Fre)
[Thermographic symptomatology of mammary epitheliomas] Gros C, et al.
Bull Cancer (Paris) 58:69-90, Jan-Mar 71 (Fre)
[Placental thermography: 1st results] Richon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:219-22, Apr-May 70 (Fre)
[Comparison between thermographic and tomoechographic B methods in the localization of the placenta] Weil F, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:333-7, Jun-Aug 70 (Fre)
[Thermography and Raynaud's disease] Bourey J, et al.
Bull Soc Fr Dermatol Syphiligr 77:548-50, 1970 (Fre)
[Contribution of thermography in diagnostic and treatment of malignant melanoma] Mailliard GF, et al.
Bull Soc Fr Dermatol Syphiligr 77:466-9, 1970 (Fre)
[Thermographic data in Raynaud's syndrome. Initial results in Lyon] Thiers H, et al.
Bull Soc Fr Dermatol Syphiligr 77:462-4, 1970 (Fre)
[Carotid angiographies. Thermography. Measurements of cerebral blood flow] Morax PV, et al.
Bull Soc Ophtalmol Fr 31-5, 1970 (Fre)
[Trials of a thermograph in ophthalmology] Raynaud G.
Bull Soc Ophtalmol Fr 70:813-9, May-Jun 70 (Fre)
[Present-day thermographic procedures in the diagnosis of breast diseases] Gros C, et al.
J Belge Radiol 53:460-7, 1970 (Fre)
[Thermographic evaluation of the inflammatory condition of a joint] Bertrand A, et al.
J Belge Rhumatol Med Phys 25:228-43, Sep-Oct 70 (Fre)
[Thermographic exploration of rheumatic disorders] Bourjat P, et al.
J Radiol Electrol Med Nucl 50:185-7, Mar-Apr 69 (Fre)
[Normal and pathologic thermographic image of the face] Gros C, et al.
J Radiol Electrol Med Nucl 51:333-48, Jun-Jul 70 (Fre)
[Line-analysis in infrared thermography] Gros C, et al.
J Radiol Electrol Med Nucl 52:39-42, Jan-Feb 71 (Fre)
[The normal and pathologic thermographic image of the face. B. The pathologic picture] Gros C, et al.
J Radiol Electrol Med Nucl 51:479-92, Aug-Sep 70 (Fre)
[Thermographic exploration of the thyroid body] Gros C, et al.
J Radiol Electrol Med Nucl 49:791-7, Nov 68 (Fre)
[Colorimetric method of cutaneous thermometry] Ambrosi C, et al. Mars Med 106:689-90, 1969 (Fre)
[Radiology without x-rays. Tomoechography and thermography in angiology] Weill F, et al.
Praxis 59:915-23, 23 Jun 70 (Fre)
[Thermography with sensitive plates or films. A new technic of utilization of liquid crystals] Tricoire J.
Presse Med 78:2481-3, 26 Dec 70 (Fre)
[Thermography with sensitive plates or films in 300 patients with miscellaneous diseases of the breast] Tricoire J, et al. Presse Med 78:2483-6, 26 Dec 70 (Fre)
[Thermography in the diagnosis of cerebral vascular diseases] Presse Med 78:2203, 21 Nov 70 (Fre)
[Thermography and cerebral circulation] Hessler C.
Rev Med Suisse Romande 90:711-4, Sep 70 (Fre)
[New applications of thermovision in breast cancer] Kiricuta I, et al.
Sem Hop Paris 47:302-6, 26 Jan 71 (Fre)
[Thermographic semeiology in vascular diseases of the upper limbs] Weill F, et al.
Sem Hop Paris 47:1230-8, 20 Apr 71 (Fre)
[Thermographic study of the action of parathormone on sclerodactylia in severe scleroderma] Thiers H, et al. Therapie 26:59-64, Jan-Feb 71 (Fre)
[Thermography in the diagnosis of benign lesions of the breast. (A 1st series of 300 personal cases)] Ghys R.
Union Med Can 99:2274-82, Dec 70 (Fre)
[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in man] Pinding M.
Aerztl Forsch 24:358-64, 10 Dec 70 (Ger)
[Studies concerning the continuous measurement of stomach blood flow by means of thermocouples in dog] Pinding M.
Aerztl Forsch 24:331-40, 10 Nov 70 (Ger)
[Placenta localization by use of the ultrasonic-Doppler effect and thermography] Martin K.
Geburtshilfe Frauenheilkd 30:1101-10, Dec 70 (Ger)
[Comparative studies on placenta localization using thermography and isotopes] Rummel W, et al.
Geburtshilfe Frauenheilkd 31:147-9, Feb 71 (Ger)
[Thermographic studies in obstetrics and gynecology] Täger F.
Geburtshilfe Frauenheilkd 30:990-6, Nov 70 (Ger)
[Possibilities and limitations of placenta localization using thermography and ultrasonics] Kasper K, et al.
Med Klin 66:674-8, 30 Apr 71 (Ger)
[Medical thermography] Ganssen A.
Roentgenpraxis 24:97-109, May 71 (Ger)
[Technical and clinical advances in the field of infrared thermography] Gros C, et al.
Roentgenpraxis 24:86-95, Apr 71 (Ger)
[Infra-red thermography using a nuclear medical color scanner] Poser H, et al.
Strahlentherapie 140:123-7, Jul 70 (Ger)
[Thermography of the mamma] Elsen HG.
Z Allgemeinmed 46:885-7, 20 Jun 70 (Ger)
[Experiences with thermal placentography] Wallner H, et al. Z Geburtshilfe Gynaekol 174:100-6, 1971 (Ger)
[Thermographic method for the localization of insufficient perforator veins] Litmanovitch Y.
Zentralbl Phlebol 10:134-6, 1971 (Ger)
[Thermoelectric tests for the diagnosis of inflammatory processes in the pulp] Nobel P.
Fogorv Sz 63:338-42, Nov 70 (Hun)
[Radioisotopic and thermographic detection of bone metastases] Lovisatti L, et al.
Acta Isot (Padova) 10:65-75, 15 Dec 69 (Ita)
[Radioisotopic and thermographic findings in bone localizations of systemic diseases] Macchi C, et al.
Acta Isot (Padova) 10:77-90, 15 Dec 69 (Ita)
[On the association of thermographic, scintigraphic and sialographic study in the pathology of the salivary gland] Chiesa A, et al. Chir Ital 20:952-75, Oct 68 (Ita)
[On methodology in the radiological study of the salivary glands] Macchi C, et al.
Chir Ital 20:932-51, Oct 68 (Ita)
[Preliminary results of mass screening for cancer of the breast with thermography (Thermovision)] Spampinato V, et al.
Minerva Ginecol 23:348-55, 15 Apr 71 (Ita)
[Medical thermography in the study of the clinical and physiopathological aspects of dermatology] Poy C, et al. Minerva Med 61:4127-35, 22 Sep 70 (Ita)
[Thermographic investigation in the study of superficial and semi-superficial neoplastic processes] Garusi G. Tumori 56:149-63, May-Jun 70 (Ita)
[Thermography] Onai Y, et al.
Jap J Cancer Clin 16:973-81, Sep 70 (31 ref.) (Jap)
[An active means of carrying out thermographic investigations] Chernaev IuS.
Gig Sanit 35:61-4, Jun 70 (Rus)
[Thermography in several diseases of thoracic organs] Bogin IuN, et al. Grudn Khir 12:106, Sep-Oct 70 (Rus)
[Infrared thermography in the diagnosis of chronic venous insufficiency of the lower extremities] Vykhovskaia AG, et al. Klin Khir 8:13-8, Aug 70 (Rus)
[Experience in the use of thermography in clinical practice] Makarenko TP, et al.
Klin Med (Mosk) 48:112-8, Aug 70 (Rus)
[Thermistography and immunomorphologic study in bone homoplasty] Rodiukova EN, et al.
Ortop Travmatol Protez 31:24-7, Oct 70 (Rus)
[Thermovision in placenta location and in gynecological diagnosis] Herrera M, et al.
Rev Chil Obstet Ginecol 35:154-9, 1970 (Spa)

INSTRUMENTATION

Temperature profile scanning--a more quantitative approach to thermography. Sutherland WH.
Biomed Eng 5:493-500, Oct 70
[Choice of optimal parameters for the development of scanning systems for medical purposes] Orlov VS.
Nov Med Priborostr 3:130-42, 1967 (Rus)
[Development of infrared scanning systems for medical diagnosis] Orlov VS, et al.
Nov Med Priborostr 2:127-30, 1967 (Rus)

VETERINARY

[Thermovision as a measuring system in pharmacology] Kaemmerer K, et al.
Dtsch Tieraerztl Wochenschr 78:296-8, 15 May 71 (Ger)
[Measuring of surface temperatures using infrared thermography in veterinary medicine. Preliminary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

report] Stephan E, et al.
Dtsch Tieraerztl Wochenschr 78:330-2, 1 Jun 71 (Ger)

THERMOMETERS (E1, E5)

Cardiac output estimation by a thermodilution method involving intravascular heating and thermistor recording. Barankay T, et al.
Acta Physiol Acad Sci Hung 38:167-73, 1970
Inaccuracies of the sling psychrometer caused by thermal radiation or inadequate wick. Humphreys CM, et al. Am Ind Hyg Assoc J 31:809-17, Sep-Oct 70
Thermocouple for measurement of intramuscular temperature. King PG, et al.
Arch Phys Med Rehabil 52:133-4, Mar 71
Theory of the globe thermometer. Kuehn LA, et al.
J Appl Physiol 29:750-7, Nov 70
Digital display of temperature using copper constantan thermocouples. Nisbet W.
J Physiol (Lond) 217:2P-3P, Aug 71
Underwater temperature telemetry system. Slater A, et al. Med Biol Eng 7:633-9, Nov 69
Children's responses to rectal temperatures: an exploratory study. McCaffery M.
Nurs Res 20:32-45, Jan-Feb 71
A platinum resistance thermometer for use in cryobiology. Pegg DE, et al.
Phys Med Biol 15:409-16, Jul 70
Imperative changes in detection methods for breast cancer. Gershon-Cohen J.
South Med J 64:387-91, Apr 71
[A method for temperature measurment in the swine using an electronic thermometer] Heeschen U.
Dtsch Tieraerztl Wochenschr 78:449, 15 Aug 71 (Ger)
[Dynamics of the blood flow in the myocardial tissue] Uchida Y, et al. Jap Circ J 34:443-52, May 70 (Jap)
[Apparatus for highly sensitive temperature registration using thermistors] Kornil'ev VP, et al.
Biull Eksp Biol Med 70:124-5, Nov 70 (Rus)
[Contamination of children's institutions by metallic mercury] Velichko RM, et al.
Gig Sanit 35:84, Sep 70 (Rus)
[Immunothermistographic method of determining anti-liver antibodies in sera] Levkoeva LG.
Lab Delo 4:221-2, 1970 (Rus)
[Stomatological probe-thermometers] Sirvidene EA.
Stomatologiia (Mosk) 49:67, Nov-Dec 70 (Rus)
[Semiconductor thermometer for measuring skin temperature] Lebed' ON, et al.
Fiziol Zh 16:559-61, Jul-Aug 70 (Ukr)

ADVERSE EFFECTS

[The thermometer as the cause of rectal bleeding] Vermaak JC.
Ned Tijdschr Geneeskd 115:832-4, 8 May 71 (Dut)
[Intestinal injuries after therapeutic-diagnostic rectal intervention] Reichenbach M.
Hefte Unfallheilkd 99:330-5, 1969 (Ger)

INSTRUMENTATION

A wet globe thermometer for environmental heat measurement. Botsford JH.
Am Ind Hyg Assoc J 32:1-10, Jan 71

STANDARDS

The advantages of the electronic thermometer. Ferguson GT, et al. Hospitals 45:62-3, 1 Aug 71

SUPPLY & DISTRIBUTION

Processing and redistributing thermometers. Tessena A. Hosp Manage 109:49 passim, Jun 70

THESAURUS DEVELOPMENT see under SUBJECT HEADINGS (L)

THESES see under DISSERTATIONS, ACADEMIC (L)

THEVETIN see under CARDIAC GLYCOSIDES (D5, D11)

THIABENDAZOLE (D3)

ADMINISTRATION & DOSAGE

Thiabendazole in visceral larva migrans. Aur RJ, et al.
Am J Dis Child 121:226-9, Mar 71
Comparative study of different dosage schedules of thiabendazole in intestinal helminthiasis. Das KV, et al. J Assoc Physicians India 19:175-80, Feb 71
[Therapy of strongyloides infection in pigs] Enigk K, et al.
Dtsch Tieraerztl Wochenschr 78:419-22, 1 Aug 71 (Ger)

ADVERSE EFFECTS

Pulmonary strongyloidiasis with lung abscess. Ineffectiveness of thiabendazole therapy. Seabury JH, et al. Am J Trop Med Hyg 20:209-11, Mar 71

PHARMACODYNAMICS

Mechanism of action of the fungicide thiabendazole, 2-(4'-thiazolyl) benzimidazole. Allen PM, et al.
Appl Microbiol 20:919-26, Dec 70
Mode of action of the anthelminthic thiabendazole in Haemonchus contortus. Prichard RK.
Nature (Lond) 228:684-5, 14 Nov 70
[Effect of thiabendazole on tissue content of ascorbic acid and on carbohydrate metabolism in rats] Bekish OL. Med Parazitol (Mosk) 40:173-6, Mar-Apr 71 (Rus)

THERAPEUTIC USE

Thiabendazole therapy of Lagochilascaris minor infection in Surinam. Report of a case. Oostburg BF.
Am J Trop Med Hyg 20:580-3, Jul 71
Treatment of intestinal capillariasis with thiabendazole, bithionol, and bephenium. Whalen GE, et al. Am J Trop Med Hyg 20:95-100, Jan 71
Control of Ancylostoma caninum in the dog with cthiabendazole. Ames ER.
Am J Vet Res 31:2225-31, Dec 70
A controlled test of methyridine, thiabendazole and parbendazole against Haemonchus contortus and Trichostrongylus colubriformis in lambs. Gibson TE, et al. Br Vet J 127:201-6, May 71
Human strongyloidiasis in Iran with a report of a case of massive infection. Ghadirian E, et al.
Bull Soc Pathol Exot 63:590-2, Sep-Oct 70
Effects of thiabendazole treatment on weight gains by Nebraska range cattle. Ferguson DL, et al.
Can J Comp Med 35:82-6, Jan 71
Thiabendazole as a prophylactic against Ancylostoma caninum. Georgi JR, et al. Cornell Vet 61:150-8, Jan 71
Comparative activity of thiabendazole, levamisole, and parbendazole against natural infections of helminths in sheep. Kates KC, et al. J Parasitol 57:356-62, Apr 71
Anti-inflammatory and analgesic properties of thiabendazole. Campbell WC.
JAMA 216:2143, 28 Jun 71
Thiabendazole effects in visceral larva migrans. Campbell WC. JAMA 217:342-3, 19 Jul 71
Observations on the treatment of strongyloidiasis with thiabendazole in New York City. Nauenberg W, et al.
Mt Sinai J Med NY 37:607-11, Sep-Oct 70
Pre-mating anthelmintic treatment of ewes and its effect on lambing performance. Murray J, et al.
NZ Vet J 19:1-4, Jan-Feb 71
The effect of anthelmintic treatment on the development of resistance to Trichostrongylus colubriformis in sheep. Gibson TE, et al.
Res Vet Sci 11:138-45, Mar 70
Epidemiology and therapy of helminthiasis. A study of the re-infection period in school children treated with thiabendazole and tetramizole. Chaia G, et al.
Rev Inst Med Trop Sao Paulo 12:152-60, Mar-Apr 70
[A case of human syngamosis with bronchial localization. First case treated and cured with thiabendazole] Junod C, et al.
Bull Soc Pathol Exot 63:483-8, Jun-Aug 70 (Fre)
[Treatment of anguilluliasis by thiabendazole (apropos of 192 cases)] Thomas J, et al.
Mars Med 106:1033-40, 1969 (Fre)
[Treatment of creeping eruption with thiabendazole (50 cases)] Thomas J, et al.
Mars Med 106:717-21, 1969 (Fre)
[Thiabendazole, large-spectrum anthelmintic; its indications and its limitations: general review of 253 cases] Thomas J, et al.
Med Trop (Mars) 29:7-36, Jan-Feb 69 (174 ref.) (Fre)
[Routine treatment of intestinal helminthiasis with thiabendazole in a collectivity of children with protein deficiency] Thomas J, et al.
Med Trop (Mars) 31:177-81, Mar-Apr 71 (Fre)
[Strongyloidiasis] Pietrushka D, et al.
Harefuah 79:26-7, 1 Jul 70 (Heb)
[Thiabendazole: new broad spectrum anthelminthic] Meoni G. Clin Ter 56:181-6, 31 Jan 71 (Ita)
[Clinical experimentation of the thiabendazole and tetramizole cyclamate combination in the treatment of human enteroparasitosis] Passarelli N, et al.
Hospital (Rio de J) 78:891-9, Sep 70 (Por)
[Scabies and thiabendazole] Mello ET de, et al.
Rev Paul Med 77:77-9, Mar 71 (Por)
[Effectiveness of thiabendazole in human ancylostomiasis] Irgasheva MKh, et al.
Med Parazitol (Mosk) 39:414-6, Jul-Aug 70 (Rus)
[Treatment of Larva migrans in children] Scappini JF, et al. Arch Argent Pediatr 68:371-2, Dec 70 (Spa)
[Tetramizole and thiabendazole in the treatment of dogs experimentally infected with Uncinaria stenocephala (Railliet, 1884) (Nematoda: Ancylostomidae)] Alcaino H.
Bol Chil Parasitol 25:110-3, Jul-Dec 70 (Spa)
[Thiabendazole in the treatment of uncinariasis] Lopez Rico A, et al.
Rev Invest Salud Publica 31:41-52, Jan-Mar 71 (Spa)

TOXICITY

[Effectiveness and toxicity of thiabendazole] Daniliavichius E, et al.
Farmakol Toksikol 34:67-70, 1971 (Rus)

THIACETAZONE (D3)

ADMINISTRATION & DOSAGE

Isoniazid with thiacetazone (thioacetazone) in the treatment of pulmonary tuberculosis in East Africa--fifth investigation. A co-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils. Tubercle 51:123-51, Jun 70
Isoniazid with thiacetazone (thioacetazone) in the treatment of pulmonary tuberculosis in East Africa--second report of fifth investigation. Aco-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils. Tubercle 51:353-8, Dec 70

ADVERSE EFFECTS

A second international co-operative investigation into thioacetazone side-effects. 1. The influence of a vitamin and antihistamine supplement. Miller AB, et al. Bull WHO 43:107-25, 1970
Intolerance to thiacetazone in pulmonary tuberculosis with reference to liver and haemopoetic functions. Sen PK, et al. Indian J Med Res 58:1340-55, Oct 70
Thiacetazone in pulmonary tuberculosis with reference to its clinical intolerance. Sen PK, et al.
Indian J Med Res 58:1002-11, Aug 70
[Adverse effects of thiacetazone] Virsík K, et al.
Bratisl Lek Listy 55:470-5, 1971 (Slo)

PHARMACODYNAMICS

The thiacetazone sensitivity of Mycobacterium tuberculosis. Cavanagh P, et al.
J Med Microbiol 2:237-42, Aug 69
Comparison of the sensitivity to ethionamide, thiacetazone and isoxyl of tubercle bacilli from previously untreated patients in Tokyo. Fukuhara Y, et al. Jap J Tubere Chest Dis 16:57-61, Jul 70
Regional variation in the guinea-pig virulence and other characteristics of tubercle bacilli. Mitchison DA. Pneumonologie 142:131-7, 1970
[Studies on thiacetazone resistance of tubercle bacilli. I. Thiacetazone sensitivity of tubercle bacilli isolated from previously untreated tuberculous children] Osato T, et al. Kekkaku 46:65-70, May 71 (Jap)
[Studies on thiacetazone resistance of tubercle bacilli. 3. Cross resistance between thiacetazone and ethionamide] Osato T, et al.
Kekkaku 46:89-92, Apr 71 (Jap)
[Studies on thiacetazone resistance of tubercle bacilli. II. The relation between virulence in guinea-pigs and thiacetazone sensitivity of tubercle bacilli isolated from previously untreated tuberculous children] Osato T, et al. Kekkaku 46:83-7, Apr 71 (Jap)

THERAPEUTIC USE

Control of tuberculosis. Mathur AK.
N Engl J Med 285:410-1, 12 Aug 71
A controlled clinical trial of the role of thiacetazone-containing regimens in the treatment of pulmonary tuberculosis in Singapore. Singapore Tuberculosis Services-Brompton Hospital-British Medical Research Council Investigation.
Tubercle 52:88-116, Jun 71

THIAMINE (D11)

The synaptolytic effect of thiamine related to its interaction with neurotransmitters. Galzigna L.
Biochem Pharmacol 18:2485-93, Oct 69
Acid-catalyzed exchange of hydrogen in thiamine and related compounds. Hutchinson DW.
Biochemistry 10:542-4, 2 Feb 71
Supply of thiamine and ascorbic acid investigated in aged propie and apprentices living in homes. Wirths W. Int Z Vitaminforsch 40:556-7, 1970
Australian dietary surveys with special reference to vitamins. Woodhill JM.
Int Z Vitaminforsch 40:520-40, 1970
Thiamine deficiency in a peregrine falcon. Ward FP.
J Am Vet Med Assoc 159:599-601, Sep 71
Absence of effect of thiamine and other vitamins on duration of myotatic. Eddy TP, et al.
Proc Nutr Soc 29:Suppl:20A+, May 70
[Collective part of lunch in the daily vitamin intake] Heierli C. Int Z Vitaminforsch 40:644-7, 1970 (Ger)
[On synapto-analgesia, the current technic used at the anesthesiology department of the Institut Médical des Mutualités Socialistes de Le Hestre (Belgium)] De Castro J, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:39-53, 1968 (Ita)
[Preservation of thiamine and riboflavin in canned

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

black currant products] Chepurko VK.
Vopr Pitan 30:87-8, 1971 (Rus)

ADMINISTRATION & DOSAGE

Massive thiamine dosage in an alcoholic with cerebellar cortical degeneration. Graham JR, et al.
Lancet 2:107, 10 Jul 71
Thiamine (vitamin B 1) supplementation in the dog. Noel PR, et al. Vet Rec 89:260-6, 4 Sep 71
[Experiences with intra-articular Supertendin-depot therapy in the orthopedic practice] Mirecki GB.
Dtsch Med J 21:622-3, 5 May 70 (Ger)
[Peridural and intraarticular application of B1-neurischian in orthopedics] Wagensonner D.
Med Welt 22:1044-6, 30 May 70 (Ger)
[Our clinical experience in the use of high doses of thiamine in anesthesia] Franchi G, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:67-76, 1968 (Ita)
[High doses of thiamine in clinical anesthesia] Valenti F, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:55-66, 1968 (Ita)
[Effects of high doses of vitamins on experimental hepatic necrosis] Broch E, et al.
Acta Vitaminol Enzymol (Milano) 24:123-6, 1970 (Ita)
[On the use of high doses of thiamine in reanimation in neurosurgery] D'Alessandro R, et al.
Minerva Neurochir 13:100-2, 1969 (Ita)
[On the use of high doses of thiamine in anesthesia in neurosurgery] Valenti F, et al.
Minerva Neurochir 13:95-9, 1969 (Ita)
[Parenteral administration of O-S-dicarbethoxythiamine] Abe T, et al.
Saishin Igaku 25:2352-6, Nov 70 (Jap)

ADVERSE EFFECTS

[Encephalitis caused by hypersensitivity to vitamin B1] Markiewicz M, et al.
Pol Tyg Lek 25:1661-2, 2 Nov 70 (Pol)

ANALYSIS

Thiamine content of human arterial and venous tissue. Kheim T, et al. Atherosclerosis 12:207-10, Sep-Oct 70
Loss of vitamins and nutritional studies. Heierli C.
Int Z Vitaminforsch 40:515-8, 1970
Studies on the intake of vitamin C and thiamine among aged people in Finland. Pekkarinen M, et al.
Int Z Vitaminforsch 40:555, 1970
Characterization of thiamine in the raw peanut (Arachis hypogaea L.). Dougherty RH, et al.
J Agric Food Chem 18:921-5, Sep-Oct 70
Aminoacid and vitamin body distribution: an additional use of the autographic method. Tubaro E, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:18-21, 1971
[Vitamins C, B1 and B2 in asparagus. Variation in the course of growth, storing and cooking] Ournac A.
Aliment Vie 58:164-72, 1970 (Fre)
[A quantitative method for the simultaneous determination of thiamine and thiamine pyrophosphate in food and excreta] Wildemann L.
Z Klin Chem Klin Biochem 7:509-13, 8 Sep 70 (Ger)
[Decrease of vitamin B1 and vitamin C content in "drink type" liquid multi-vitamin preparations stored for one year] Asahina M, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:128-30, 1970 (Jap)
[Spectrophotometric determination of thiamine] Rapaport LI, et al.
Farmatsiia 20:44-50, Jan-Feb 71 (Rus)
[Spectrophotometric determination of thiamine in the mixture with ascorbic and nicotinic acids] Rapaport LI, et al. Farmatsiia 20:41-4, 1971 (Rus)

ANTAGONISTS & INHIBITORS

A thiamine (vitamin B1 or aneurin) antimetabolite as a potent schistosomicidal agent. Nahih I, et al.
Experientia 27:143-4, 15 Feb 71
Antithiamine effect of ethyldeoxythiamine. Kishi H, et al. J Vitaminol (Kyoto) 17:108-11, 10 Jun 70
Action of oxythiamine and pyrithiamine on the isolated rat superior cervical ganglion. Perri V, et al.
Q J Exp Physiol 55:36-43, Jan 70
[Review on antivitamins B1] Luvarà A.
Acta Vitaminol Enzymol (Milano) 24:21-42, 1970 (66 ref.) (Ita)

BIOSYNTHESIS

The biosynthesis of thiamine. A yeast enzyme system which converts 2-methyl-4-amino-5-aminomethylpyrimidine to 2-methyl-4-amino-5-hydroxymethylpyrimidine. Wei R, et al. Biochim Biophys Acta 230:253-7, 23 Feb 71
Biosynthesis of thiamine in plants. I. Enzymic formation of thiamine from pyrimidine and thiazole moieties. Mitsuda H, et al.
J Vitaminol (Kyoto) 16:263-7, 10 Dec 70
Biosynthesis of thiamine in plants. II. Biosynthetic pathway of thiamine monophosphate from pyrimidine and thiazole moieties. Mitsuda H, et al.
J Vitaminol (Kyoto) 17:89-95, 10 Jun 70
[Biosynthesis of thiamine, riboflavin and vitamin B12 by some blue-green algae] Kopteva ZhP.
Mikrobiol Zh 32:429-33, May-Jun 70 (Ukr)

BLOOD

Pharmacokinetics of thiamine derivatives. II. Elimination of thiamine derivatives from the blood of rat. Nogami H, et al.
Chem Pharm Bull (Tokyo) 18:1937-44, Oct 70
[Thiamine and ascorbic acid intake in old peoples' homes and in an apprentice's home] Wirths W.
Int Z Vitaminforsch 40:617-27, 1970 (Ger)

METABOLISM

Amprolium and transport of thiamine in suspensions of intestinal cells. Menon IA, et al.
Acta Vet Scand 12:111-3, 1971
Evidence in man for different specialized intestinal transport mechanisms for riboflavin and thiamin. Levy G, et al. Am J Clin Nutr 24:401-4, Apr 71
Thiamine uptake in Escherichia coli. 3. Regulation of thiamine uptake in Escherichia coli. Kawasaki T, et al.
Arch Biochem Biophys 142:163-9, Jan 71
Chemically defined media for Pasteurella multocida and Pasteurella ureae, and a comparison of their thiamine requirements with those of Pasteurella haemolytica. Wessman GE, et al.
Can J Microbiol 16:751-7, Aug 70
Method for evaluating thiamine adequacy in college women. Henshaw JL, et al.
J Am Diet Assoc 57:436-41, Nov 70
Isolation and identification of 3-(2'-methyl-4'-amino-5'-pyrimidylmethyl)-4-methylthiazole-5-acetic acid (thiamine acetic acid) and 2-methyl-4-amino-5-formylaminomethylpyrimidine as metabolites of thiamine in the rat. Amos WH Jr, et al.
J Biol Chem 245:5643-8, 10 Nov 70
Overproduction of hydroxymethylpyrimidine by a thiamine regulatory mutant of Escherichia coli. Iwashima A, et al.
J Vitaminol (Kyoto) 17:43-8, 10 Mar 71
The Na plus-dependence of thiamin intestinal transport in vitro. Ferrari G, et al.
Life Sci [I] 10:67-75, 15 Jan 71
Comparative physiological studies on saprophytic and pathogenic dermatophytes. II. Growth factors.
Balabanoff VA, et al. Mykosen 13:499-504, 1 Oct 70
Catabolites of thiamine from the rat.
Nutr Rev 29:119-21, May 71 (17 ref.)
[The kidney and vitamin B-1 thiamine] Arvy L.
Laval Med 40:286-301, Mar 69 (79 ref.) (Fre)
[Thiamine concentration in plasma and urine after administration in high doses] Valenti F, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:119+, 1968 (Ita)
[Blood and cerebrospinal fluid concentration and urinary elimination of thiamine used together with the drugs of NLA II] Violani M, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:125-9, 1968 (Ita)
[Effect of various structural analogs of thiamine on its absorption against concentration gradient rats in vivo] Sciorelli G, et al.
Acta Vitaminol Enzymol (Milano) 23:234-7, 1969 (Ita)
[Absorption against concentrationgradientof thiamine in the rat intestine in vivo] Sciorelli G, et al.
Acta Vitaminol Enzymol (Milano) 23:231-3, 1969 (Ita)
[Experimental study of the transport of thiamine in tissues and ocular fluids] Calogero R, et al.
Ann Ottalmol Clin Ocul 95:969-71, Dec 69 (Ita)
[Intestinal transport in vitro of thiamine: influence of Na+] Ferrari G, et al.
Boll Soc Ital Biol Sper 45:1546-9, 15 Dec 69 (Ita)
[Intestinal transport in vitro of thiamine: asymmetrical localization of thiamine kinase in the intestinal wall] Ventura U, et al.
Boll Soc Ital Biol Sper 45:1542-6, 15 Dec 69 (Ita)
[Membrane permeability of vitamins, with special reference to thiamine] Kawasaki T.
Protein Nucleic Acid Enzyme (Tokyo) 16:755-63, Aug 71 (79 ref.) (Jap)
[Significance of thiazole and its 5-hydroxyethyl radical for tissue binding of thiamine] Ostrovskiĭ IuM, et al.
Biokhimiia 35:922-31, Sep-Oct 70 (Rus)
[Status of thiamine metabolism in children with tubercular meningitis] Makhamatov KM, et al.
Probl Tuberk 48:53-5, 1970 (Rus)
[Study of interrelations between thiamine, pantothenic and para-aminobenzoic acids] Ostrovskiĭ IuM, et al. Ukr Biokhim Zh 42:506-16, 1970 (Rus)
[The role of disorders of metabolism of vitamin B1, vitamin C and of the trace element copper in the pathogenesis of eczema] Glukhen'kiĭ TT, et al.
Vestn Dermatol Venerol 44:35-6, Jun 70 (Rus)
[Vitamin B1 metabolism in laryngeal neoplasms] Ismagulova TS, et al.
Vopr Med Khim 17:78-82, Jan-Feb 71 (Rus)
[The distribution of S35-thiamine or S35-hydroxythiamine in the body following simultaneous administration of different derivatives of nicotinic acid] Ostrovskiĭ IuM, et al.
Vopr Med Khim 16:420-9, Jul-Aug 70 (Rus)
[Study of thiamine-S35 fixation by mitochondria from the liver of albino rats] Karpov LM.
Ukr Biokhim Zh 42:357-60, 1970 (Ukr)
[Effect of pantothenic acid, riboflavin and nicotinic acid on deposition of thiamine-S35 in albino rats] Rozanov AIa, et al. Ukr Biokhim Zh 42:8-11, 1970 (Ukr)
[Mechanism of interaction of vitamins F, P (Polyphonols of plants) and B1] Shamraĭ EF.
Ukr Biokhim Zh 42:265-9, 1970 (Ukr)

PHARMACODYNAMICS

Effect of thiamine and dietary linoleate levels on hepatic drug metabolism in the male rat. Wade AE, et al. Arch Int Pharmacodyn Ther 181:466-73, Oct 69
Studies on the influence of thiamine on the synthesis of thiamine pyrophosphate-dependent enzymes in Saccharomyces cerevisiae. Witt I, et al.
Biochim Biophys Acta 215:323-32, 14 Aug 70
Effects of the coadministration of thiamine on the incidence of urinary bladder carcinomas in rats fed bracken fern. Pamukcu AM, et al.
Cancer Res 30:2671-4, Nov 70
Antithiamine effect of ethyldeoxythiamine. Kishi H, et al. J Vitaminol (Kyoto) 17:108-11, 10 Jun 70
[Study of a "thiamine-premelanoidins" interaction in Phycomyces blakesleeanus Burgeff] Impens R.
C R Acad Sci [D] (Paris) 272:1019-21, 15 Feb 71 (Fre)
[Effects of a derivative of the thiazolic fraction of vitamine B1 on neuromuscular transmission] Mambrini J, et al.
C R Soc Biol (Paris) 164:1261-7, 1970 (Fre)
[Influence of thiamine on reactivity of the genital tract and evolution of the sex cycle] Simionescu S, et al.
Rev Roum Physiol 6:275-83, 1969 (Fre)
[Reciprocal effects of thiamine and ascorbic acid] Vogt H. Dtsch Med Wochenschr 96:1065, 11 Jun 71 (Ger)
[Behavior of blood lipid fraction under Turigeran] Hunecke I, et al. Z Alternsforsch 23:165-70, 1970 (Ger)
[Role of "synaptanalgesia" in operative gynecology. Animal experiment studies and initial clinical experiences] Gerber HU, et al.
Zentralbl Gynaekol 91:1529-33, 22 Nov 69 (Ger)
[Comparative study in dogs of tolerance and useful effects in anesthesia of thiamine and its mono- and diphosphoric esters] Barusco G, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:15-29, 1968 (Ita)
[On pharmacology and toxicity of thiamine] Boissier JR, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:3-13, 1968 (Ita)
[Functional exploration of the respiratory system after administration of thiamine in high doses] Busetti L, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:143-9, 1968 (Ita)
[On acid-base equilibrium during NLA II associated with thiaminic synaptolysis] Caracausi SR, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:229+, 1968 (Ita)
[Thiamine synapto-analgesia followed by corticoids in large doses. (Biochemical study)] De Castro J.
Acta Anaesthesiol (Padova) 19:Suppl 1:31-7, 1968 (Ita)
[Hemodynamic effects of thiamine in high doses] Feruglio GA, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:151+, 1968 (Ita)
[Urinary elimination of catecholamines and 17-ketosteroids in patients treated with high doses of thiamine] Giordani G, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:185+, 1968 (Ita)
[Neuromuscular block due to thiamine: electromyographic study] Manani G, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:77+, 1968 (Ita)
[Present state of vitaminic anesthesia] Marzotti A, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:281+, 1968 (Ita)
[Clinical study of some metabolic parameters after administration of thiamine in high doses] Sauli M, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:195+, 1968 (Ita)
[High doses of thiamine and kidney function] Sauli M, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:175+, 1968 (Ita)
[Changes in the protein constituents of bile after administration of high doses of thiamine. (Experimental study in dogs)] Valenti F, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:261+, 1968 (Ita)
[Thiamine in high doses and blood coagulation] Valenti F, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:271+, 1968 (Ita)
[Muscular response to neuroelectric stimulation after

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

administration of thiamine in high doses in dogs] Valenti F, et al. Acta Anaesthesiol (Padova) 19:Suppl 1:113-8, 1968 (Ita)

[On some plasma electrolytes during NLA II associated with thiaminic synaptolysis] Violani M, et al. Acta Anaesthesiol (Padova) 19:Suppl 1:221-8, 1968 (Ita)

[On some enzymatic activities of the serum in patients treated surgically under NLA II associated with thiaminic synaptolysis] Violani M, et al. Acta Anaesthesiol (Padova) 19:Suppl 1:245+, 1968 (Ita)

[On central and median venous pressure during thiamine synaptoanalgesia] Zaffiri O, et al. Acta Anaesthesiol (Padova) 19:Suppl 1:161+, 1968 (Ita)

[Electroencephalographic study during treatment with thiamine in high doses] Zecchini A, et al. Acta Anaesthesiol (Padova) 19:Suppl 1:131+, 1968 (Ita)

[Response to chemical stimulation of frog gustatory receptors perfused with oxythiamine diphosphate and thiamine diphosphate] Sacchi O, et al. Boll Soc Ital Biol Sper 45:1591-3, 31 Dec 69 (Ita)

[Effects of pyrithiamine and oxythiamine on the amplitude of the action potentials and conduction velocity of the fibers of the cervical sympathetic trunk in the rat] Sacchi O, et al. Boll Soc Ital Biol Sper 45:1597-601, 31 Dec 69 (Ita)

[State of the adrenal cortex in aging persons and changes in its function under the effects of vitamin B 1 and B 15] Motova LP, et al. Ter Arkh 42:92-4, Aug 70 (Rus)

[Changes in activity of flavin enzymes in various stages of thiamine saturation of the organism] Nikishkin IA. Ukr Biokhim Zh 42:66-70, 1970 (Rus)

RADIATION EFFECTS

[Low temperature luminescence of thiamine and some of its derivatives] Razumovich AN, et al. Biofizika 14:597-601, Jul-Aug 69 (Rus)

THERAPEUTIC USE

Subacute necrotizing encephalomyelopathy. Effects of thiamine and thiamine propyl disulfide. Pincus JH, et al. Arch Neurol 24:511-7, Jun 71

Anti-inflammatory activity of thiamine and nicotinic acid. Naik SR, et al. Biochem Pharmacol 19:2867-73, Nov 70

Effective response to thiamine hydrochloride on foot tremors of narcotic addicts. Boyce AJ, et al. J Am Podiatry Assoc 61:103-7, Mar 71

Thiamine-responsive maple-syrup-urine disease. Scriver CR, et al. Lancet 1:310-2, 13 Feb 71

Thiamine in treatment of bovine polioencephalomalacia. Herrick JB. Vet Med Small Anim Clin 66:176 passim, Mar 71

[Treatment of multiple sclerosis] Arné L, et al. Bord Med 3:2444 passim, Oct 70 (Fre)

[Study of diacetylthiamine (Nevriton) in current ambulatory rheumatic pathology] Famaey JP. Brux Med 51:123-7, Feb 71 (Fre)

[Cardiac insufficiency linked to beriberi in a man drinking beer to excess. Hemodynamic study, recovery with vitamin B1] Foucault JP, et al. Coeur Med Interne 9:553-8, Oct 70 (Fre)

[Value of combined arginine and vitamins B 1, B 6, B 12 b (26 cases)] Plauchu M, et al. Lyon Med 222:539-43, 12 Oct 69 (Fre)

[A new treatment for alcoholic polyneuritis] Duché G, et al. Presse Med 78:2077-8, 7 Nov 70 (Fre)

[Treatment of breast and peri-mammary pain] Juret P. Rev Fr Gynecol Obstet 63:207-10, Apr 68 (Fre)

[Experiences with Dolo-Neurobion in the orthopedic practice] Palicki R. Dtsch Med J 21:623-4, 5 May 70 (Ger)

[Insect bite prevention using vitamin B] Weyer F. Med Klin 66:764, 14 May 71 (Ger)

[Experiences in general practice with a new neural analgesic preparation] Stronski E. Z Allgemeinmed 47:1131-2, 10 Aug 71 (Ger)

[Studies on the effect of flavonoids on ultraviolet erythema in pigs] Kment A, et al. Z Tierphysiol 23:159-68, Dec 67 (Ger)

[Uridine enzymes in therapy of tinnitus and perceptual hypoacusis] Grande F. Arch Ital Laringol 76:259-68, Sep-Oct 68 (Ita)

[Evaluation of the thiamine nutritional status in congestive cardiac insufficiency by determination of erythrocytic transketolase activity] Rizzo SC, et al. Mal Cardiovasc 10:641-9, 1969 (Ita)

[Use in cardiology of a preparation of 3 coenzymes] Chiti E. Minerva Cardioangiol 18:381-9, Jun 70 (Ita)

[Clinical and electrocardiographic study of myocardiosclerosis after treatment with vitamins B1 and B6] Rossi C, et al. Minerva Cardioangiol 17:768-72, Oct 69 (Ita)

[Glukor for male impotence] Ishigami J, et al. Acta Urol Jap 17:362-5, May 71 (Jap)

[Combined administration of vitamins C, B 1 and B 6 in pneumonia in children during the 1st year of life] Lasitsa OI, et al. Vopr Okhr Materin Det 15:90, Aug 70 (Rus)

[Study of the vitamin activity and pharmacological properties of some thiamine derivatives] Kruglikova-L'vova RP, et al. Vopr Pitan 29:18-22, Jul-Aug 70 (Rus)

URINE

Biochemical studies in phrynoderma (follicular hyperkeratosis). 3. Thiamine, riboflavin and nicotinic acid nutritional status of children suffering from phrynoderma. Bhat KS, et al. Indian J Med Res 58:753-7, Jun 70

[Influence of etacrynic acid on urinary thiamine excretion] Kasper H. Klin Wochenschr 49:111-3, 15 Jan 71 (Ger)

[A quantitative method for the simultaneous determination of thiamine and thiamine pyrophosphate in food and excreta] Wildemann L. Z Klin Chem Klin Biochem 7:509-13, 8 Sep 70 (Ger)

THIAMINE DEFICIENCY (C13)

Relative novelty of solid and liquid diet during thiamine deficiency determines development of thiamine-specific hunger. Maier SF, et al. J Comp Physiol Psychol 74:254-62, Feb 71

Insulin tolerance in thiamine-deficient rats. Iwata H, et al. J Pharm Pharmacol 22:645-6, Aug 70

Thiamine deficiency and experimental cardiac necrosis. Brown ML, et al. Proc Soc Exp Biol Med 135:735-8, Dec 70

[Effects of a thiamine deficient diet on pregnant rats] Ruggeri E, et al. Attual Ostet Ginecol 15:139-49, Mar-Apr 69 (Ita)

[Evaluation of the thiamine nutritional status in congestive cardiac insufficiency by determination of erythrocytic transketolase activity] Rizzo SC, et al. Mal Cardiovasc 10:641-9, 1969 (Ita)

[Influence of a thiamine deficient diet in various parameters (psychopharmacological, circulatory, and metabolic) in rats. Preliminary note] Esplugues Requena J, et al. Rev Clin Esp 115:103-10, 31 Oct 69 (Spa)

CHEMICALLY INDUCED

[Sulfur anhydride residues in foodstuffs: the case of alcoholic drinks] Gounelle H, et al. Bull Inst Nati Sante Rech Med 24:1431-41, Nov-Dec 69 (Fre)

COMPLICATIONS

Effect of alcohol on thiamine deficient cardiac lesions. Yamashita S. Jap Heart J 12:354-67, Jul 71

DIAGNOSIS

Method for evaluating thiamine adequacy in college women. Henshaw JL, et al. J Am Diet Assoc 57:436-41, Nov 70

Thiamine deficiency presenting as opisthotonus. Sullivan TJ. J Pediatr 77:1092-3, Dec 70

[Evaluation of the thiamine nutritional state of uremic patients by determination of erythrocyte transketolase activity] Rizzo SC, et al. Minerva Nefrol 16:301-5, Jul-Aug 69 (Ita)

DRUG THERAPY

[Study of the vitamin activity and pharmacological properties of some thiamine derivatives] Kruglikova-L'vova RP, et al. Vopr Pitan 29:18-22, Jul-Aug 70 (Rus)

ENZYMOLOGY

Blood transketolase in assessment of thiamine deficiency in alcoholics. Konttinen A, et al. Ann Med Exp Biol Fenn 48:172-5, 1970

Catecholamine accumulation in tissues of thiamine-deficient rats after inhibition of monoamine oxidase. Iwata H, et al. Eur J Pharmacol 12:253-6, Oct 70

The activation of thiamine diphosphatase by ATP in rat brain. Inoue A, et al. J Neurochem 17:1373-82, Sep 70

Biochemical factors involved in the anorexia of thiamin deficiency in rats. Bai P, et al. J Nutr 101:731-7, Jun 71

[The activity of 2-oxoacid-dehydrogenases in thiamine deficiency of the rat, with a contribution to the activity measurement of oxoglutarate dehydrogenase] Reinauer H, et al. Hoppe Seylers Z Physiol Chem 352:125-31, Feb 71 (Ger)

[Transketolase activity of erythrocytes of chronic alcoholic patients with assumed thiamine deficiency] Tomasi A, et al. Acta Vitaminol Enzymol (Milano) 23:209-16, 1969 (Ita)

METABOLISM

Oxidative and glycolytic metabolic aspects in the erythrocytes of thiamine deficient rats. Ababei L, et al. Acta Vitaminol Enzymol (Milano) 24:1-6, 1970

Hepatic metabolism and transport in thiamine deficiency. Schenker S, et al. Am J Dig Dis 16:255-64, Mar 71

Distribution of thiamine phosphate esters in normal and thiamine-deficient brain. Pincus JH, et al. Exp Neurol 28:477-83, Sep 70

Mode of action of aspirin. Effect of dietary aspirin on mitochondrial pyruvate metabolism in normal and thiamine-deficient rats. Mehiman MA, et al. J Biol Chem 246:1618-22, 25 Mar 71

Cardiac metabolism in thiamin deficiency in rats. McCandless DW, et al. J Nutr 100:991-1002, Aug 70

Effect of acylcarnitines on pyruvate metabolism in liver mitochondria from thiamin-deficient rats. Paquet RJ, et al. J Nutr 100:1407-13, Dec 70

Permeability changes in thiamine deficiency encephalopathy: inhibition of penicillin transport in vivo and in vitro. Fishman RA, et al. Neurology (Minneap) 20:394, Apr 70

Some effects of thiamine deficiency on food selection in the rat. Ashworth A, et al. Nutr Metab 12:49-63, 1970

[Influence of thiamine deficiency on the intestinal absorption of essential amino acids] Wellers G, et al. C R Soc Biol (Paris) 164:742-5, 1970 (Fre)

PATHOLOGY

Peripheral nerve changes in thiamine-deficient rats. An electron microscope study. Prineas J. Arch Neurol 23:541-8, Dec 70

The ultrastructure of the myocardium in the thiamine-deficient rat. Davies MJ, et al. J Pathol 102:87-95, Oct 70

Polysome profile and change in total ribosomal mass in rat heart during progressive thiamine deficiency. Wu BC, et al. Life Sci [II] 10:541-51, 22 May 71

PHYSIOPATHOLOGY

Effect of thiamine deficiency on the competence of the blood-brain barrier to albumin labeled with fluorescent dyes. Robertson DM, et al. Am J Pathol 63:393-402, Jun 71

Nervous transmission in the superior cervical ganglion of the thiamine-deficient rat. Perri V, et al. Q J Exp Physiol 55:25-35, Jan 70

[Experimental studies on the effect of phenylethylbarbituric acid in the rat suffering from thiamine deficiency] Hofmann H. Arzneim Forsch 20:1772-5, Nov 70 (Ger)

VETERINARY

Influence of a thiamine deficiency on basal metabolic rate, specific dynamic effect and the efficiency of energy utilization. Guo LS, et al. Poult Sci 49:1225-30, Sep 70

[Thiaminase and methods of its detection] Kurochka NE. Veterinariia 12:84-7, Dec 70 (Rus)

THIAMINE PYROPHOSPHATE (D9, D11)

Charge transfer interactions in transketolase-thiamine pyrophosphate complex. Kochetov GA, et al. Biochem Biophys Res Commun 41:1134-40, 9 Dec 70

Inhibition of transketolase by analogues of the coenzyme. Kochetov GA, et al. Biochem Biophys Res Commun 43:1196-203, 4 Jun 71

Pyruvate decarboxylase. I. Protein dissociation into subunits under conditions in which thiamine pyrophosphate is released. Gounaris AD, et al. J Biol Chem 246:1302-9, 10 Mar 71

Evidence for tighter binding of magnesium-thiamine pyrophosphate to -ketoglutarate dehydrogenase when activated by adenosine monophosphate. Wedding RT, et al. J Biol Chem 246:4097-9, 25 Jun 71

[Optical rotatory dispersion and circular dichroism of transketolase from baker's yeast. Induced optical activity arising during binding of thiamine pyrophosphate apoenzyme] Kochetov GA, et al. Biokhimiia 35:1257-9, Nov-Dec 70 (Rus)

ADMINISTRATION & DOSAGE

[Administration of cocarboxylase in threatened and incipient intrauterine fetal asphyxia] Chachava KV, et al. Akush Ginekol (Mosk) 46:44-6, Jul 70 (Rus)

ANALYSIS

Characterization of thiamine in the raw peanut (Arachis hypogaea L.). Dougherty RH, et al. J Agric Food Chem 18:921-5, Sep-Oct 70

[A quantitative method for the simultaneous determination of thiamine and thiamine pyrophosphate in food and excreta] Wildemann L. Z Klin Chem Klin Biochem 7:509-13, 8 Sep 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BIOSYNTHESIS

[Thiamine diphosphate biosynthesis in the normal myocardium and during adrenaline induced myocarditis] Severin SE, et al.
Vopr Med Khim 17:33-7, Jan-Feb 71 (Rus)

ISOLATION & PURIFICATION

[Conditions for removal of thiamine pyrophosphate from holotransketolase] Kochetov GA, et al.
Biokhimiia 35:1023-7, Sep-Oct 70 (Rus)

METABOLISM

Distribution of thiamine phosphate esters in normal and thiamine-deficient brain. Pincus JH, et al.
Exp Neurol 28:477-83, Sep 70

Isolation of a Golgi apparatus-rich fraction from rat liver. IV. Thiamine pyrophosphatase. Cheetham RD, et al. J Cell Biol 49:899-905, Jun 71

[Behavior of acid phosphatase and thiamine pyrophosphatase in spinal cord motor neurons of rat upon exposure to mechanical vibrations] Jonek J, et al. Neuropatol Pol 9:47-52, 1971 (Pol)

PHARMACODYNAMICS

Studies on the influence of thiamine on the synthesis of thiamine pyrophosphate-dependent enzymes in Saccharomyces cerevisiae. Witt I, et al.
Biochim Biophys Acta 215:323-32, 14 Aug 70

[Comparative study in dogs of tolerance and useful effects in anesthesia of thiamine and its mono- and diphosphoric esters] Barusco G, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:15-29, 1968 (Ita)

[Response to chemical stimulation of frog gustatory receptors perfused with oxythiamine diphosphate and thiamine diphosphate] Sacchi O, et al.
Boll Soc Ital Biol Sper 45:1591-3, 31 Dec 69 (Ita)

[Effect of cocarboxylase on the tone of intra- and extracranial vessels and general arterial pressure] Gasvyf MD. Biull Eksp Biol Med 70:6-9, Sep 70 (Rus)

[Effect of cocarboxylase, calcium pangamate and sodium bicarbonate on the content of lactic and pyruvic acids in blood in mitral comissurotomy] Danilenko MV, et al.
Fiziol Zh 17:256-60, Mar-Apr 71 (Ukr)

THERAPEUTIC USE

[Cocarboxylase in the treatment of various heart diseases in children] Tam LJ, et al.
Pediatr Pol 46:695-702, Jun 71 (Pol)

URINE

[A quantitative method for the simultaneous determination of thiamine and thiamine pyrophosphate in food and excreta] Wildemann L. Z Klin Chem Klin Biochem 7:509-13, 8 Sep 70 (Ger)

THIAMYLAL (D6)

ADMINISTRATION & DOSAGE

Evaluation of thiamylal sodium, succinylcholine, and glyceryl guaiacolate prior to inhalation anesthesia in horses. Heath RB, et al.
J Am Vet Med Assoc 157:1486-94, 1 Dec 70

PHARMACODYNAMICS

Dichlorvos-containing dog collars and thiamylal anesthesia. Ritter C, et al.
Am J Vet Res 31:2025-9, Nov 70

Cardiovascular effects of halothane, methoxyflurane, pentobarbital, and thiamylal. Sawyer DC, et al.
J Appl Physiol 30:36-43, Jan 71

THIAZINES (D2)

Studies related to penicillins. IV. The rearrangement of penicillanic acid derivatives to 1,4-thiazepines. Clayton JP, et al. J Chem Soc [Org] 15:2089-91, 1970

[Tolerance and possible use of Rompun on cattle] Hempel E.
Dtsch Tieraerztl Wochenschr 77:109-10, 1 Mar 70 (Ger)

[Studies of thiomorpholine derivatives. II. Reaction of 2-alkyl-3-oxoperhydro-2H-1,4-thiazine-5-carboxylic acids with sulfuryl chloride] Nakanishi M, et al.
J Pharm Soc Jap 91:166-73, Feb 71 (Jap)

ADMINISTRATION & DOSAGE

The immobilisation of cattle and related species. Jones DM. Vet Rec 89:173-4, 7 Aug 71

ANALYSIS

[Synthetic mustard oil models. 10. Solvolysis of 2-thiotetrahydro-1,3,5-thiadiazines] Würbach G, et al.
Pharmazie 26:78-80, Feb 71 (Ger)

CHEMICAL SYNTHESIS

New intermediates in phaemelanogenesis in vitro. Prota G, et al. Experientia 26:1058-9, 15 Oct 70

DIAGNOSTIC USE

In vivo staining of pharyngeal and laryngeal cancer. Shedd DP, et al. Arch Surg 102:442-6, May 71

PHARMACODYNAMICS

Effect of sulthiame on blood and brain levels of diphenylhydantoin in the rat. Morselli PL, et al.
Biochem Pharmacol 19:1845-7, May 70

[Experiences with Bay Va 1470 in the sedation of zoo animals] Göltenboth R, et al.
Berl Munch Tieraerztl Wochenschr 83:147-51, 15 Apr 70 (Ger)

[Further studies on the use, dosage and effects of Rompun in horses] Keller H.
Berl Munch Tieraerztl Wochenschr 84:266-9, 15 Jun 71 (Ger)

[Peripheral and central circulatory effect of the alpha-sympathomimetic 2-(2,6-xylidino)-5,6-dihydro-4H-1,3-thiazine-HCl (BAY 1470)] Heise A, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:350-1, 1970 (Ger)

[Alpha- and beta-sympathomimetic effects on the electrically stimulated isolated guinea pig ileum] Oberdorf A, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:195-207, 1970 (Ger)

[The behavior of blood circulation and respiration in the drug-recumbent horse using Rompun and Pentothal] Skarda R, et al.
Schweiz Arch Tierheilkd 112:458-63, Sep 70 (Ger)

[Effect of thiazolidine and thiazene derivatives on saprophytic bacteria] Kolomoitsev LR, et al.
Mikrobiol Zh 33:255-7, Mar-Apr 71 (Ukr)

POISONING

Sulthiame overdosage. Stockdill G, et al.
Br J Clin Pract 25:331, Jul 71

THERAPEUTIC USE

The use of sulthiame with disturbed mentally subnormal patients. Moffatt WR, et al.
Br J Psychiatry 117:673-8, Dec 70

[Trial of an original anti-inflammatory agent, 16 091 R.P., in obstetrics and gynecology] Notter A, et al.
Lyon Med 225:63-6, 10 Jan 71 (Fre)

URINE

A modification of testing procedures for thiazides and oral hypoglycemic agents. Earle LH Jr.
Trans Assoc Life Ins Med Dir Am 54:152-5, 1971

THIAZOLES (D2)

see also specific
CHLORMETHIAZOLE (D6)

Compounds related to clomethiazole. V. 4-(Alkyl or aryl) thiazoles and oxazoles with various substituents in the 2- and 5-positions. Lindberg UH, et al.
Acta Pharm Suec 8:49-58, Mar 71

Compounds related to clomethiazole. IV. 4-Methylthiazoles and oxazoles with polar side-chains and some other analogues of clomethiazole. Lindberg UH. Acta Pharm Suec 8:39-48, Mar 71

Clinical application of amiphenazole for barbiturate and morphine-barbiturate anesthesia. Kashani M, et al. Am J Vet Res 31:1841-4, Oct 70

Comparative carcinogenicity in the rat of 2-hydrazinothiazoles with nitrofuryl, nitrophenyl, or aminophenyl substituents in the 4-position. Cohen SM, et al. Cancer Res 30:897-901, Apr 70

Carcinogenicity of formic acid 2-[4-(5-nitro-2-furyl)-2-thiazolyl]-hydrazide in Swiss mice. Cohen SM, et al. Cancer Res 30:906-12, Apr 70

Production of leukemia and stomach neoplasms in Swiss, RF, BALB-c, and C3H female mice by feeding N-[4-(5-nitro-2-furyl)-2-thiazolyl]acetamide. Cohen SM, et al. Cancer Res 30:2320-5, Sep 70

Carcinogenicity of N-[4-(5-nitro-2-furyl)-2-thiazolyl] acetamide in female rats. Ertürk E, et al.
Cancer Res 30:936-41, Apr 70

Synthesis of terminal N-thiobenzoyl peptides by use of 4-substituted 2-phenylthiazol-5(4H)-ones as acylating agents for amino-acids and peptides. Optically-active 4-substituted 2-phenylthiazol-5(4H)-ones. Barrett GC.
J Chem Soc [Org] 8:1380-4, 1971

Synthesis and activity of some 1,2,4-triazolylthiazolidones. Andolšek A, et al.
J Med Chem 14:53-4, Jan 71

Acylthiazolidines. Banci F. J Med Chem 14:82-3, Jan 71

Antiviral agents. 1. Benzothiazole and benzoxazole analogs of 2-(alpha-hydroxybenzyl)benzimidazole. Gualtiere F, et al. J Med Chem 14:546-9, Jun 71

Preparation and antimicrobial activity of N-thiadiazolylcarbamic acid esters. Lalezari I, et al.
J Med Chem 14:59-60, Jan 71

Synthesis and antimicrobial evaluation of some 5-(5-nitrofurylidene)rhodanines, 5-(5-nitrofurylidene)thiazolidine-2,4-diones, and their vinylogs. Mallick SK, et al.
J Med Chem 14:528-32, Jun 71

Condensed p-toluidines with aminothiazoles as schistosomicidal agents II. Nabih I, et al.
J Pharm Sci 60:1411-3, Sep 71

[On the use of diazotized 2-aminobenzothiazole in colorimetry] Bartos J.
Ann Pharm Fr 29:147-50, Feb 71 (Fre)

[Fluorescence histochemistry demonstration of amyloid with thioflavin S and acridine orange] Stiller D, et al. Acta Histochem (Jena) 38:18-30, 1970 (Ger)

[Studies of organosulfur compounds. I. Reaction between active methyl groups and o-substituted bifunctional molecule in the presence of sulfur] Hisano T, et al. J Pharm Soc Jap 91:180-6, Feb 71 (Jap)

ADMINISTRATION & DOSAGE

The effect of oral cambendazole against Hyostrongylus rubidus and Oesophagostomum spp. in experimentally-infected pigs. Taffs LF.
Vet Rec 89:165-8, 7 Aug 71

[Evaluation of the anthelminthic action of a levoisomer of tetramisole in French Polynesia] Saugrain J, et al.
Bull Soc Pathol Exot 63:507-13, Jun-Aug 70 (Fre)

[Effects of hetacillin injection (Versapen injection 'Bristol') in urinary tract infections] Hara S, et al.
Jap J Antibiot 23:396-9, Aug 70 (Jap)

[Clinical effect of intravenous injection of potassium hetacillin (Versapen 'Bristol') on pre- and post-operative infections] Tsuji Y, et al.
Jap J Antibiot 23:400-2, Aug 70 (Jap)

[Regularities in the formation of 2-acetyl-2-decarboxamidotetracycline during the fermentation of tetracycline] Makarevich VG, et al.
Antibiotiki 16:22-7, Jan 71 (Rus)

[Therapeutic trial in oxyuriasis and ascariasis with a single dose of a combination of pyrvinium and tetramisole] Schenone H, et al.
Bol Chil Parasitol 25:118-22, Jul-Dec 70 (Spa)

ADVERSE EFFECTS

Hepatic effects of fenzlozic acid. Hart FD, et al.
Ann Rheum Dis 29:684, Nov 70

ANALYSIS

Quantitative protein sequencing using mass spectrometry: mass spectral analysis of 2-anilino-5-thiazolinone derivatives of amino acids without prior conversion to the phenyl thiohydantoins. Fairwell T, et al.
Biochem Biophys Res Commun 43:1280-9, 18 Jun 71

Hetacillin: a chemical and biological comparison with ampicillin. Smith JT, et al.
Chemotherapy 15:366-78, 1970

[Analytical dye studies on rhodamines. IV. Paper chromatography of rhodamines] Schmidt T.
Acta Histochem (Jena) 39:230-8, 1971 (Ger)

BIOSYNTHESIS

Inhibition by phenylalanine of thiazole biosynthesis in Escherichia coli. Iwashima A, et al.
J Bacteriol 104:1014-6, Nov 70

CHEMICAL SYNTHESIS

Compounds related to clomethiazole. 3. 4,5-dialkyl-substituted thiazoles, oxazoles and imidazoles. Lindberg UH, et al.
Acta Pharm Suec 7:423-34, Sep 70

Formation of thiazoline ring in pantothenoylcysteine 4'-phosphate. Scandurra R, et al.
Acta Vitaminol Enzymol (Milano) 24:118-22, 1970

Synthesis of the thiazoline derivative of glutathione. Hirotsu Y, et al.
Biochim Biophys Acta 222:540-1, 24 Nov 70

Synthesis of derivatives of thiazolo[4,5-d]pyrimidine. II. Baker JA, et al. J Chem Soc [Org] 18:2478-84, 1970

Carcinogenic nitrogen compounds. LXIX. Synthesis of polycyclic thiazoles from 4,5-dihydro-2-methylbenzothiazol-7(6H)-one. Buu-Hoï NP, et al. J Chem Soc [Org] 6:1109-11, 1971

Benzothiazolines as antituberculous agents. Palmer PJ, et al. J Med Chem 14:248-51, Mar 71

The synthesis of peptides in aqueous medium. VII. The preparation and use of 2,5-thiazolidinediones in peptide synthesis. Dewey RS, et al.
J Org Chem 36:49-59, 15 Jan 71

[Synthesis of 2-ethenylimino-thiazoline derivatives] Eiden F, et al.
Arch Pharm (Weinheim) 304:514-8, Jul 71 (Ger)

[Alkyl-substituted benzo-pyrido-thiazoles] Haller R, et al. Arch Pharm (Weinheim) 304:367-74, May 71 (Ger)

[Syntheses of 2-dialkylamino-4,4-disubstituted

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

5(4H)-thiazolones] Kobayashi A, et al.
J Pharm Soc Jap 90:1377-80, Nov 70 (Jap)
[Studies on piperidine derivatives. IV. Studies on the synthesis of 3-oxo-1-thia-4,8-diazaspiro (4,5)decane derivatives. 2] Nakanishi M, et al.
J Pharm Soc Jap 91:857-66, Jun 71 (Jap)
[Studies on piperidine derivatives. 3. Studies on the synthesis of 3-oxo-1-thia-4,8-diazaspiro [4,5] decane derivatives. (1)] Nakanishi M, et al.
J Pharm Soc Jap 91:363-83, Mar 71 (Jap)
[Benzocycloheptathiazole. V. Syntheses of 2-mercapto-9,10-dihydro-8H-benzo(4,5)cyclohepta(d)thiazole and its derivatives] Yamane K, et al.
J Pharm Soc Jap 90:1363-6, Nov 70 (Jap)

DIAGNOSTIC USE

[Evaluation of the usefulness of PPL test in detecting penicillin allergy] Czernielewski A, et al.
Przegl Dermatol 57:759-62, Nov-Dec 70 (Pol)

METABOLISM

Studies on the anti-tumour activity of aliphatic aldehydes. 3. Formation of thiazolidine-4-carboxylic acid in tissues. Loreti L, et al.
Eur J Cancer 7:281-4, Aug 71
Biosynthesis of thiamine in plants. I. Enzymic formation of thiamine from pyrimidine and thiazole moieties. Mitsuda H, et al.
J Vitaminol (Kyoto) 16:263-7, 10 Dec 70
Biosynthesis of thiamine in plants. II. Biosynthetic pathway of thiamine monophosphate from pyrimidine and thiazole moieties. Mitsuda H, et al.
J Vitaminol (Kyoto) 17:89-95, 10 Jun 70
[Blood and tissue levels of an antibiotic. Comparative study on urologic patients] Rodríguez Díaz LH, et al.
Rev Venez Urol 22:51-7, Jan-Jun 70 (Spa)

PHARMACODYNAMICS

Inhibition of radiosulfate uptake in rat costal cartilage by lipophilic heterocyclic molecules. Liberti JP, et al.
Biochim Biophys Acta 222:90-4, 27 Oct 70
Ostertagia circumcincta: methyridine and tetramisole against third stage larvae. Denham DA.
Exp Parasitol 28:493-8, Dec 70
In vitro action of tetramisole on hookworm, Ancylostoma duodenale. Grewal MS.
Indian J Med Res 59:511-4, Apr 71
2-mercaptobenzothiazole, an inhibitor of dopamine beta-hydroxylase. Johnson GA, et al.
J Pharm Pharmacol 22:710-2, Sep 70
Pharmacokinetics of fenclozic acid in animals and man. Platt DS. J Pharm Sci 60:366-71, Mar 71
Fungitoxicity and structure-activity relationships of some oxathiin and thiazole derivatives. Snel M, et al.
Phytopathology 60:1164-9, Aug 70
Action of oxythiamine and pyrithiamine on the isolated rat superior cervical ganglion. Perri V, et al.
Q J Exp Physiol 55:36-43, Jan 70
In vitro action of tetramisole on the hookworm, Ancylostoma duodenale. Grewal MS.
Trans R Soc Trop Med Hyg 65:105-6, 1971
[Effect of 2-amino-(isothioureyl methylene)-4-thiazole dihydrochloride (Agr 307) on biochemical, electrocardiographic and histological modifications of the rat myocardium caused by isoproterenol] Pavlovitchova H, et al.
Agressologie 11:333-41, 1970 (Fre)
[Some new compounds of the 2-amino-5-methyl-1,3,4-thiadiazole series, with cytostatic activity, and a phytopharmacodynamic test] Gagiu F, et al. Ann Pharm Fr 7:73-8, Jan 69 (Fre)
[Immunostimulating effect of an imidotiiazole in the immunization of mice against Brucella abortus infection] Renoux G, et al.
C R Acad Sci [D] (Paris) 272:349-50, 11 Jan 71 (Fre)
[Effects of a derivative of the thiazolic fraction of vitamine B1 on neuromuscular transmission] Mambrini J, et al.
C R Soc Biol (Paris) 164:1261-7, 1970 (Fre)
[Inhibition of aerobic glycolysis in ascites tumor cells by thiazolidines of L-glyceraldehyde] Margraf-Modersohn D, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:241-8, 1970 (Ger)
[Inhibitors of photosynthesis. 8. Influence of substituents on the ionization constant of benzimidazoles, benztriazoles, indazoles and indoles] Aten WC, et al.
Z Naturforsch [B] 25:961-5, Sep 70 (Ger)
[Analeptic properties of N,N,N-trimethyl-2-(3-benzisothiazolyloxy) ethylamonium iodide] Piccinin GL, et al.
Farmaco [Sci] 26:40-50, Jan 71 (Ita)
[Effect of leyk on leukopenia induced by radiotherapy] Tatsuno I. Rinsho Hoshasen 15:871-6, Nov 70 (Jap)
[Antimicrobial effect of benzthiazolquinones] Rudzit EA, et al.
Farmakol Toksikol 34:350-2, May-Jun 71 (Rus)
[Antiviral activity of some aryliden pyridines and pyridile ethyl thiazolidines] Kolomoftsev LR, et al.
Mikrobiol Zh 33:88-92, 1971 (Ukr)
[Effect of thiazolidine and thiazene derivatives on saprophytic bacteria] Kolomoitsev LR, et al.
Mikrobiol Zh 33:255-7, Mar-Apr 71 (Ukr)
[Effect of 3-phenyl-thiazolidine-dion-2,4-derivatives on some mycobacteria] Kolomoftsev RL, et al.
Mikrobiol Zh 32:518-20, May-Jun 70 (Ukr)

PHYSIOLOGY

[Significance of thiazole and its 5-hydroxyethyl radical for tissue binding of thiamine] Ostrovskiĭ IuM, et al.
Biokhimiia 35:922-31, Sep-Oct 70 (Rus)

THERAPEUTIC USE

Field experiment on levamisole against certain helminths in pigs, with emphasis on test of activity against lungworms. Lindquist WD, et al.
Am J Vet Res 32:1301-4, Aug 71
Comarative evolution of the fluorescent antibodies directed against the larval stages and the adults of Schistosoma mansoni. II. Experimental schistosomiasis in mice after treatment with niridazole. Ambroise-Thomas P, et al.
Ann Trop Med Parasitol 64:93-9, Mar 70
A trial of Ketrax (the laevo-isomer of tetramisole) in the treatment of ascariasis. Hall SA, et al.
East Afr Med J 47:424-33, Aug 70
A comparison of hycanthone, niridazole and placebos in the treatment of Schistosomiasis Mansoni. Rees PH, et al. East Afr Med J 47:834-8, Dec 70
A thiamine (vitamin B1 or aneurin) antimetabolite as a potent schistosomicidal agent. Nabih I, et al.
Experientia 27:143-4, 15 Feb 71
A clinical trial of tetramisole (R 8299) in cases of ascariasis. Prakash O, et al.
Indian J Med Res 58:1578-83, Nov 70
Nilverm (tetramisole) as an anthelmintic of outstanding efficiency. Katiyar RD.
Indian Vet J 47:1047-56, Dec 70
Synthetic schistosomicides. Some antimonyl benzothiazole derivatives. Shoeb HA, et al.
J Egypt Med Assoc 53:108-12, 1970
Niridazole in amoebic dysentery. Saha TK, et al.
J Indian Med Assoc 55:127-9, 16 Aug 70
Derivatives of 2-amino-5-nitrothiazole as potential schistosomicides. Werbel LM, et al.
J Med Chem 14:10-6, Jan 71
Salmonella typhimurium infection in mice treated with niridazole. Watson KC.
J Med Microbiol 3:361-5, Aug 70
The treatment of schistosomiasis with niridazole in Britain. Kanani SR, et al.
J Trop Med Hyg 73:162-9, Jul 70
Hetacillin. Med Lett Drugs Ther 13:49-50, 11 Jun 71
Clinical trials with a new anthelminthic, tetramisole. Vakil BJ, et al.
Trans R Soc Trop Med Hyg 64:717-22, 1970
Levamisole in geese. Froyd G.
Vet Rec 86:788-9, 27 Jun 70
[Treatment of intestinal parasitosis with Levamisole] Bouyer C.
Bull Soc Pathol Exot 63:255-65, Mar-Apr 70 (Fre)
[Anthelmintic action of the levogyrous isomer of tetramisole (20605 RP)] Laigret J, et al.
Bull Soc Pathol Exot 62:734-40, 1969 (Fre)
[Mass treatment of vesical bilharziasis in Morocco with a new synthetic product: 1-(5-nitro-2-thiazolyl)-2-imidazolidinone] Nejjai B.
Maroc Med 537:453-7, Jul 70 (Fre)
[Mass treatment of vesical bilharziasis in Morocco with a new synthetic product 1-(5-nitro-2-thiazolyl)-2-imidazolidinone] Nejjai B.
Maroc Med 50:453-7, Jul 70 (Fre)
[Ambilhar and electrocardiographic disorders. I. Attempts at correction of electrocardiographic disorders secondary to ambilhar treatment] Dodin A, et al. Med Trop (Mars) 29:61-6, Jan-Feb 69 (Fre)
[Action of thiazolidine carboxylic acid in hepatic pathology] Dornier R.
Therapeutique 44:555-7, Nov 68 (Fre)
[Hetacillin in nonspecific inflammatory lung diseases] Krieger E, et al.
Ther Ggw 110:212-4 passim, Feb 71 (Ger)
[Therapy of silicotuberculosis with a combination preparation] Menichetti L, et al.
Clin Ter 55:11-20, 15 Oct 70 (Ita)
[Nitrimidazone, a new systemic trichomonacide] Cantone A, et al.
G Mal Infett Parassit 21:954-8, Dec 69 (Ita)
[On some aspects of the treatment of delirium tremens] Zanetti R, et al.
Riv Sper Freniatr 94:484-90, 30 Apr 70 (Ita)
[Clinical experience with hetacillin injection (Natacillin 'Banyu') in urinary tract infections] Maekawa M, et al.
Jap J Antibiot 23:379-82, Aug 70 (Jap)
[Clinical experience with potassium hetacillin (versapen 'Bristol') against dysentery, dysentery-like salmonellosis] Tsunoda O, et al.
Jap J Antibiot 23:390-5, Aug 70 (Jap)
[Origin of anemia in pregnancy, with special reference to the correlation of anemia with urinary iron excretion during pregnancy] Nakahara K.
Nippon Ika Daigaku Zasshi 37:299-309, Aug 70 (Jap)
[Treatment of ascariasis with tetramisol (R-8299)] Huggins D.
An Esc Nacl Saude Publica Med Trop (Lisb) 3:85-7, Jan-Dec 69 (Por)
[Therapeutic test with Levamisole (R-8299 L compound) in ascariasis] Huggins D.
Hospital (Rio de J) 78:229-33, Jul 70 (Por)
[Combination of tetramizol and pyrvinium in the treatment of ascariasis and oxyuriasis by a single dose] Neves Júnior F de P.
Hospital (Rio de J) 78:529-32, Aug 70 (Por)
[Clinical experimentation of the thiabendazole and tetramizole cyclamate combination in the treatment of human enteroparasitosis] Passarelli N, et al.
Hospital (Rio de J) 78:891-9, Sep 70 (Por)
[Therapeutic efficiency of Levamisole in human ascariasis] Scherb J.
Hospital (Rio de J) 76:1067-70, Sep 69 (Por)
[Research on the treatment of ascariasis with L-tetramisole] Nitzulescu V, et al.
Pediatria (Bucur) 20:169-74, Mar-Apr 71 (Rum)

TOXICITY

Toxicity of the levo form of tetramisole in Angora goats. Smith JP, et al. Am J Vet Res 32:871-3, Jun 71
Critical tests of levamisole as an anthelmintic in the horse. Clarkson MJ, et al.
Ann Trop Med Parasitol 65:87-91, Mar 71

URINE

Isolation and identification of 3-(2'-methyl-4'-amino-5'-pyrimidylmethyl)-4-methylthiazole-5-acetic acid (thiamine acetic acid) and 2-methyl-4-amino-5-formylaminomethylpyrimidine as metabolites of thiamine in the rat. Amos WH Jr, et al.
J Biol Chem 245:5643-8, 10 Nov 70

THIBENZOLE see under THIABENDAZOLE (D3)

THIETHYLPERAZINE (D6)

The crystal and molecular structure of thiethylperazine, a derivative of phenothiazine. McDowell JJ.
Acta Crystallogr [B] (Kbh) 26:954-64, 15 Jul 70

ADMINISTRATION & DOSAGE

The prevention of emesis with thiethylperazine following oral surgery. Messer EJ, et al.
Oral Surg 31:184-8, Feb 71

ADVERSE EFFECTS

[Some side effects of thiethylperazine (Torecan) in the treatment of vomiting] Ionechev V, et al.
Akush Ginekol (Sofiia) 9:100-3, 1970 (Bul)
[Hyperkinetic syndromes during antivertiginous treatment] Aho K, et al. Duodecim 87:511-4, 1971 (Fin)
[An often missed diagnosis: the hysteriform neurodysleptic crisis. Torecan poisoning] Demoulin C, et al. Rev Med Liege 24:583-4, 1 Aug 69 (Fre)
[Neurologic and psychic manifestations in the course of perazine derivative poisoning] Nikolić M, et al.
Med Glas 24:336-9, Jul 70 (Cro)

THERAPEUTIC USE

[Therapeutic use and effects of Toresten for radiation sickness] Tatsuno I.
Rinsho Hoshasen 15:913-5, Dec 70 (Jap)

THIGH (A1)

Multiple intramuscular myxomas. Another extraskeletal manifestation of fibrous dysplasia. Wirth WA, et al. Cancer 27:1167-73, May 71
Brief recordings: fibrosarcoma of the thigh associated with a prosthetic vascular graft. Herrmann JB, et al.
N Engl J Med 284:91, 14 Jan 71
Hemangiopericytoma. A case report with arteriographic findings. Ayella RJ.
Radiology 97:611-2, Dec 70
[Isolation muscular sarcoidosis of tumoral form] Larcan A, et al.
Ann Med Interne (Paris) 122:119-20, Jan 71 (Fre)
["Birch broom twigs (B.B.T.)" in the thighs of women] Jadassohn W, et al.
Arch Belg Dermatol Syphiligr 26:379-81, Jul-Sep 70 (Fre)
[Contribution of lymphography and phlebography to diagnosis and therapeutic indication in edema of the lower extremity appearing 5 years after lymphadenectomy] Jacquemet P, et al.
J Radiol Electrol Med Nucl 50:845-6, Nov 69 (Fre)
[Fibrous dysplasia of bone associated with soft tissue myxma] Semat P, et al.
J Radiol Electrol Med Nucl 50:287-92, May 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Arteriography in the diagnosis of 2 bone tumors] Cecile JP, et al. J Trop Med Hyg 89:121-4, Mar 71 (Fre)
[Quadriceps muscle and pathology of the knee joint] Simon L, et al. Rhumatologie 22:337-46, Nov 70 (Fre)
[A recent case of associated fibrous dysplasia of bone and soft tissue myxoma] Mazabraud A, et al. Sem Hop Paris 45:862-8, 14 Mar 69 (Fre)
[Soft part alveolar sarcoma: 2 cases] Delage C. Union Med Can 98:1503-9, Sep 69 (Fre)
[Case of voluminous lipoma of the thigh] Colombo P, et al. Minerva Chir 25:185-94, 15 Feb 70 (Ita)
Meralgia paresthetica] Grava C, et al. Minerva Chir 22:862-5, 15 Aug 67 (Ita)
[A case of sarcoma of the soft parts of the thigh with peculiar anatomo-pathological and clinical course] Mattioli F, et al. Pathologica 61:407-14, Nov-Dec 69 (Ita)
[Light and electron microscopic studies on the immobilized muscle of the flexed knee joint of the rats] Takagi K. J Jap Orthop Assoc 44:963-78, Nov 70 (Jap)
[Recent development of the artificial thigh] Sawamura S. Surg Ther (Osaka) 24:59-68, Jan 71 (Jap)

BLOOD SUPPLY

Arteriovenous shunts in the thigh for hemodialysis. Allen LE, et al. J Urol 104:803-7, Dec 70
[Measurement of blood flow in active muscles by means of 133 xenon] Pirnay F, et al. Arch Int Physiol Biochim 79:181-2, Jan 71 (Fre)
[Diffuse necrosis of the skin of the thigh in the course of puerperium] Kwapiński Z, et al. Ginekol Pol 41:1369-74, 1970 (Pol)
[Remote results after puerperal thrombophlebitis of deep veins of the thigh] Akkerman LI, et al. Akush Ginekol (Mosk) 46:70-2, Feb 70 (Rus)

INJURIES

Crush injury of the thigh (Case P56). Can Med Assoc J 104:321-2, 20 Feb 71
Pulmonary microembolism after soft tissue injury in primates. Berman IR, et al. Surgery 70:246-53, Aug 71
[The complete subcutaneous rupture of the adductor longus muscle] Botta E. Monatsschr Unfallheilkd 72:347-51, Jun 69 (Ger)
[Operative wound management--antibiotics--tetanus prophylaxis] Ehalt W. Monatsschr Unfallheilkd 72:80-3, Feb 69 (Ger)
[Complicated comminuted femoral fracture with crushed of soft tissues] Dunjić S, et al. Vojnosanit Pregl 27:227-9, May 70 (Cro)
[Complicated comminuted femoral fracture with crushed of soft tissues] Dunjić S, et al. Vojnosanit Pregl 28:227-9, May 70 (Cro)

PATHOLOGY

Malignant granular cell myoblastoma: report of a case. Kubacz GJ. Aust NZ J Surg 40:291-5, Feb 71

PHYSIOPATHOLOGY

[Evaluation of short stumps] Scheibe G. Arch Orthop Unfallchir 68:261-9, 15 Sep 70 (Ger)

SURGERY

Rehabilitation of a patient with a left above-knee amputation, a flaccid stump, and a flaccid left upper extremity. Thompson JK, et al. Phys Ther 51:782-4, Jul 71
Surgical reduction of the abdomen, thigh, and buttocks. Pitanguy I. Surg Clin North Am 51:479-89, Apr 71
[Inter-ilio-abdominal disarticulation and amputation. Technic and results. Study of 7 cases] Romieu C, et al. Chirurgie 96:819-28, 28 Oct 70 (Fre)
[Angiosarcoma in osteomyelitis] Gualtieri G, et al. Minerva Ortop 21:585-8, Nov 70 (Ita)

THINKING (F1)

Heritability of factors in creative thinking and esthetic judgment. Barron F. Acta Genet Med Gemellol (Roma) 19:294-8, Jan-Apr 70
Information-processing limitations of mentally retarded children. Olson DR. Am J Ment Defic 75:478-86, Jan 71
Information processing in young mildly retarded children. Wyne MD, et al. Am J Ment Defic 75:371-5, Nov 70
Sensory deprivation, preconscious processes and scientific thinking. Shore E. Am J Orthopsychiatry 41:574-80, Jul 71
The continuing search for meaning. Grinker RR Sr. Am J Psychiatry 127:725-31, Dec 70
The process of Janusian thinking in creativity. Rothenberg A. Arch Gen Psychiatry 24:195-205, Mar 71
Overinclusive thought disorder and symptomatology. Hawks DV, et al. Br J Psychiatry 118:663-70, Jun 71
Thought stopping: a useful treatment in phobias of "internal stimuli". Kumar K, et al. Br J Psychiatry 119:305-7, Sep 71
Characteristics and validity of the grid test of thought disorder. Bannister D, et al. Br J Soc Clin Psychol 10:144-51, Jun 71
Changes in Stroop-Test responses as a function of mental age. Das JP. Br J Soc Clin Psychol 9:68-73, Feb 70
Task requirements in testof schizophrenic overinclusion. Price RH. Br J Soc Clin Psychol 9:60-7, Feb 70
On the contribution of the Würzburg school to the study of thought processes. Barrett TW. Confin Psychiatr 13:139-44, 1970
Some relationships between class inclusion, perceptual capabilities, verbal capabilities and race. Carlson JS. Hum Dev 14:30-8, 1971
Covert linguistic behavior in deaf subjects during thinking. McGuigan FJ. J Comp Physiol Psychol 75:417-20, Jun 71
Identification, organization, and reading comprehension for good and poor readers. Oakan R, et al. J Educ Psychol 62:71-8, Feb 71
Kinesthetic retention, movement extent, and information processing. Stelmach GE, et al. J Exp Psychol 85:425-30, Sep 70
Stimulus property mediation of paired-associates learning. Reich JW, et al. J Gen Psychol 83:213-25, Oct 70
Some relationships between verbal and perceptual capabilities and the development of relative thinking. Carlson JS. J Genet Psychol 118:115-9, Mar 71
Reason and emotion in the individual psychology of Adler. (Adler A), Ellis A. J Individ Psychol 27:50-64, May 71
The compulsion to repeat trauma. Experimental study of intrusive thinking after stress. Horowitz MJ, et al. J Nerv Ment Dis 153:32-40, Jul 71
Cognitive arousal: the evolution of a model. Blum GS, et al. J Pers Soc Psychol 5:138-51, Feb 67
Dogmatism and divergent-convergent abilities. Uhes MJ, et al. J Psychol 75:3-11, May 70
Differences in creative thinking of black and white deaf children. Kaltsounis B. Percept Mot Skills 32:243-8, Feb 71
Integrative functions in parkinsonism. Levita E, et al. Percept Mot Skills 31:379-85, Oct 70
Body posture and thinking. Schulman D, et al. Percept Mot Skills 32:27-33, Feb 71
The growth of logical thinking. Piaget's contribution to ego psychology. (Piaget J), Silverman MA. Psychoanal Q 40:317-41, 1971
Linguistic deficiency and thinking: research with deaf subjects 1964-1969. Furth HG. Psychol Bull 76:58-72, Jul 71 (48 ref.)
Mental load, heart rate and heart rate variability. Blitz PS, et al. Psychol Forsch 33:277-88, 1970
Significant intercorrelations among measures of overinclusive thinking. Craig RJ. Psychol Rep 26:571-4, Apr 70
Note on authoritarianism and critical thinking ability. Luck JI, et al. Psychol Rep 27:380, Oct 70
The influence of evening activity on the onset of sleep. Hauri P. Psychophysiology 5:426-30, Jan 69
Evidence for alternative strategies of sentence retention. Wright P, et al. Q J Exp Psychol 23:197-213, May 71
The outlook for the mentally retarded. (b). Language and thinking in the subnormal. Clarke AM. R Soc Health J 90:305-10, Nov-Dec 70
On the nature of the perceptual speed factor. Werdelin I, et al. Scand J Psychol 10:185-92, 1969
[Development of the thinking process in normal and retarded children] Angenent HL. Ned Tijdschr Psychol 26:215-32, Apr 71 (Dut)
[The activation of phonatory organs and intellectual performance] Kail M. Annee Psychol 69:93-110, 1969 (Fre)
[Rheographic study of irrigation of the anterior parts of the brain during intellectual work] Markhassina I, et al. J Physiol (Paris) 62:Suppl 3:410, 1970 (Fre)
[Mental life and nervous system functions (various current problems)] Nayrac P. Lille Med 14:1204-11, Dec 69 (Fre)
[Development of verbl thinking and information in a deaf child] Mitrinowicz-Modrzejewska. Acta Med Pol 11:229-34, 1970 (Ger)
[Catathymic thoughts in parents and close relatives of oligophrenic children] Zaimov K, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:179-89, 1970 (Ger)
[Changes of thinking structure in the progress of science] Heisenberg W. Stud Gen (Berl) 23:808-16, 17 Sep 70 (Ger)
[The effect of unpleasant emotional experiences on perception, learning and thinking] Zöhrer I. Z Exp Angew Psychol 17:670-88, 1970 (Ger)
[Buddhistic meditation exercises from a medical viewpoint] Erbslöh J. Z Psychother Med Psychol 20:19-28, Jan 70 (Ger)
[Correlations between development of thought and language in mentally retarded subjects. Clinical study] Bardoni F, et al. Riv Neurobiol 16:229-34, Apr-Jun 70 (Ita)
[Variations of the heart beat rhythm during mental task--on the momentary acceleration phenomenon of the heart beat] Takahashi H, et al. Psychiatr Neurol Jap 73:52-67, Jan 71 (Jap)
[Rheoencephalographic study of cerebral hemodynamics during intellectual work] Markhasina IP. Biull Eksp Biol Med 70:9-11, Dec 70 (Rus)
[Use of radiorheopneumography in the study of external respiration in the process of professional work] Popov LI, et al. Biull Eksp Biol Med 68:116-7, Nov 69 (Rus)
[Functinonal characteristics of the links of the brain system controlling mental and motor functions in man] Bekhtereva NP, et al. Fiziol Zh SSSR 56:1081-97, Aug 70 (Rus)
[Dynamics of slow potential changes in human subcortical structures during mental activity under conditions of directed changes in the brain internal medium] Chernysheva VA. Fiziol Zh SSSR 57:150-8, Feb 71 (Rus)

THINNESS (G1)

see also related
EMACIATION (C17)

Appetite-stimulating and weight-gain properties of cyproheptadine) (Periactin) in geriatric subjects. Andronic A, et al. Curr Ther Res 13:40-1, Jan 71
Serum lipid studies in thin insulin-dependent diabetics below the age of thirty years. Sharma D, et al. J Indian Med Assoc 54:416-20, 1 May 70
The rise in metabolic rate following the ingestion of single large meals by 'thin' and 'average' men and women. Clough DP, et al. J Physiol (Lond) 207:89P, Apr 70
Use of independent measurement of body fat to evaluate overweight and underweight. Lesser GT, et al. Metabolism 20:792-804, Aug 71
[Study of the iodine cycle in diabetes mellitus and various metabolic disorders] Mirouze J, et al. Ann Endocrinol (Paris) 31:947-56, Sep-Oct 70 (Fre)
[Diet in thinness, obesity and diabetes] Baquet R. Maroc Med 538:508-15, Aug-Sep 70 (Fre)
[Treatment of thinness after gastrointestinal surgery] Demole M. Minerva Med 61:4320-1, 29 Sep 70 (Fre)
[Physiopathology of adipose tissue thinness] Vague J, et al. Minerva Med 61:4311-2, 29 Sep 70 (Fre)
[Diet errors responsible for thinness in elderly people and their correction] Verdonk G, et al. Minerva Med 61:4324-8, 29 Sep 70 (Fre)
[Genetics and alimentation] Gedda L, et al. Minerva Med 61:5763-8, 15 Dec 70 (Ita)
[Possibility of diet therapy in pathologic thinness of elderly people] Vecchi GP. Minerva Med 61:4322-3, 29 Sep 70 (Ita)

CLASSIFICATION

[Etiopathogenetic classification of thinnesses] Ciampalini L, et al. Minerva Med 61:4308-10, 29 Sep 70 (Ita)

DRUG EFFECTS

[On the clinical use of cyproheptadine as an anti-anorexic agent and its effects on the nutritional state] Martino A, et al. Minerva Med 62:1941-6, 12 May 71 (Ita)

THIOBACILLUS (B3)

ANALYSIS

Bacterial carotenoids. 33. Carotenoids of thiorhodaceae 9. The structures of the carotenoids of the rhodopinal series. Francis GW, et al. Acta Chem Scand 24:2705-12, 1970
[Correlation of DNA nucleotide composition and protein amino acid composition] Guseinov VA, et al. Biokhimiia 36:22-6, Jan-Feb 71 (Rus)

CYTOLOGY

Cell envelope of an iron-oxidizing bacterium: studies of lipopolysaccharide and peptidoglycan. Wang WS, et al. J Bacteriol 104:556-65, Oct 70
[Submicroscopic organization of Thiobacillus ferrooxidans] Avakian AA, et al. Mikrobiologiia 39:855-61, Sep-Oct 70 (Rus)
[Submicroscopic organization of Thiobacillus thiooxidans] Karavaiko GI, et al. Mikrobiologiia 40:322-6, Mar-Apr 71 (Rus)
[Mechanism of reproduction of Thiobacillus ferrooxidans] Karavaiko GI, et al. Mikrobiologiia 39:950-2, Nov-Dec 70 (Rus)

ENZYMOLOGY

Properties and specificity of ribonuclease IIA from Thiobacillus thioparus. Ostrowski W, et al. Acta Biochim Pol 17:73-87, 1970
Preparation of labeled adenosine 5'-phosphosulfate using APS reductase from Thibacillus denitrificans. Adams CA, et al. Anal Biochem 42:207-13, Jul 71
Regulation of pyruvate kinase from Thiobacillus

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

neapolitanus. Cornish AS, et al.
Arch Biochem Biophys 142:584-90, Feb 71
Regulation of citrate synthase activity in strict and facultatively autotrophic Thiobacilli. Taylor BF.
Biochem Biophys Res Commun 40:957-63, 24 Aug 70
Isolation of a cytochrome peroxidase from Thiobacillus novellus. Yamanaka T, et al.
Biochim Biophys Acta 220:354-6, 11 Nov 70
Properties of an NADP plus-specific isocitric dehydrogenase from Thiobacillus novellus. Charles AM. Can J Biochem 48:95-103, Jan 70
Inorganic pyrophosphatase from Ferrobacillus ferrooxidans (Thiobacillus ferrooxidans). Howard A, et al. Can J Biochem 48:1302-7, Dec 70
Effect of growth substrate on enzymes of the citric and glyoxylic acid cycles in Thiobacillus novellus. Charles AM. Can J Microbiol 17:617-24, May 71
Enzymes of carbohydrate metabolism in Thiobacillus species. Matin A, et al. J Bacteriol 107:179-86, Jul 71

GROWTH & DEVELOPMENT

[Growth of pure cultures of Thiobacillus 58R] Ermachenko VA, et al.
Izv Akad Nauk SSSR [Biol] 5:738-46, Sep-Oct 70 (Rus)
[Use of gel plates impregnated with 9K medium for counting and separation of Thiobacillus ferrooxidans] Lapteva AM, et al.
Mikrobiologiia 40:572-4, May-Jun 71 (Rus)
[Growth characteristics of the sulfur bacteria Thiobacillus 58R and effect of some factors of the growth medium on carbon assimilation] Rusinova NG, et al. Mikrobiologiia 40:252-7, Mar-Apr 71 (Rus)

METABOLISM

Metabolism of organic acids by Thiobacillus neapolitanus. Kelly DP. Arch Mikrobiol 73:177-92, 1970
Electron transfer during sulphide and sulphite oxidation by Thiobacillus concretivorus. Moriarty DJ, et al. Biochim Biophys Acta 216:130-8, 4 Aug 70
Microbiological leaching of a zinc sulfide concentrate. Torma AE, et al. Biotechnol Bioeng 12:501-17, Jul 70
Oxidation of elemental sulfur and sulfur compounds and CO2 fixation by Ferrobacillus ferrooxidans (Thiobacillus ferrooxidans). Silver M.
Can J Microbiol 16:845-9, Sep 70
Utilization of glucose in heterotrophic media by Thiobacillus intermedius. Matin A, et al.
J Bacteriol 104:234-8, Oct 70
Regulation of glucose metabolism in Thiobacillus intermedius. Matin A, et al.
J Bacteriol 104:239-46, Oct 70
The tricarboxylic acid cycle in Thiobacillus denitrificans and Thiobacillus-A2. Peeters TL, et al.
J Gen Microbiol 64:29-35, Nov 70
[Chemosynthesis and rate of bacterial and chemical oxidative processes in copper-nickel ore deposits of the Kola peninsula] Karavaiko GI, et al.
Mikrobiologiia 40:551-7, May-Jun 71 (Rus)
[The mechanism of chemical and biological oxidation of sodium, calcium and iron sulfides] Sorokin IuI.
Mikrobiologiia 39:253-8, Mar-Apr 70 (Rus)
[Bacteria oxidizing thiocyanates in industrial waste waters] Iurovskaia EM.
Mikrobiol Zh 33:148-52, Mar-Apr 71 (Ukr)

THIOCARBAMATES (D2)

The redox cleavage of the sulfur-sulfur bond and carbon-sulfur bond in organic disulfides by a model coenzyme. Wang CH, et al.
Experientia 27:243-4, 15 Mar 71
Proton magnetic resonance spectroscopy of thiocarbamate herbicides. Rummens FH, et al.
J Agric Food Chem 18:1161-4, Nov-Dec 70
Arsenic in potable desert groundwater: an analysis problem. Whitnack GC, et al.
Science 171:383-5, 29 Jan 71
[Crystalline structure of antituberculer compounds. 3. Crystalline structure of propyl-2-thiocarbamoyl-4-pyridine] Colleter JC, et al.
Acta Crystallogr [B] (Kbh) 26:1510-8, 15 Oct 70 (Fre)
[Action of several thiols on experimental poisoning by dibutyl lead diacetate in rats] Gras G, et al.
C R Acad Sci [D] (Paris) 272:2636-9, 17 May 71 (Fre)
[Methyl-1-naphthyldithiocarbaminic acid-2-benzoxazolyl ester (K-F 224), a new local antimycotic agent] Wildfeuer A.
Mykosen 14:67-82, 1 Feb 71 (Ger)
[Hygienic characteristics of work conditions in the manufacture of Ziram] Martson' LV, et al.
Gig Sanit 36:107-8, 1971 (Rus)
[Isofetil in personal clinical practice. N,N-di-(para-isopentyloxyphenyl) thiocarbamide] Mančeva-Koseva S, et al.
God Zb Med Fak Skopje 16:561-7, 1970 (Ser)
[Use of sodium diethyldithiocarbamate for the extraction-photometric determination of stypticin, rivanol, acrichine and aminoacrichine] Gordon EI, et al. Farm Zh 25:63-8, 1970 (Ukr)

ADMINISTRATION & DOSAGE

Some central effects of diethyldithiocarbamate administered intraventricularly in rats. Kleinrok Z, et al. Neuropharmacology 9:451-5, Sep 70
[Teratologic studies with Thiram (TMTD) on two strains of mice] Roll R.
Arch Toxikol 27:173-86, 1971 (Ger)

ADVERSE EFFECTS

Dangerous redistribution of thallium by treatment with sodium diethyldithiocarbamate. Kamerbeek HH, et al.
Acta Med Scand 189:149-54, Mar 71
[Thallium poisoning with intravascular coagulopathy] Keller R, et al.
Schweiz Med Wochenschr 101:511-5, 10 Apr 71 (Ger)

ANALYSIS

[Synthetic mustard oil models. 9. Degradation of N-benzylthiocarbamid acid-O-arylesters] Martin D, et al. Pharmazie 26:15-7, Jan 71 (Ger)

CHEMICAL SYNTHESIS

Antiradiation compounds. XIV. Dithiocarbamates of aminothiophenes. Foye WO, et al.
J Pharm Sci 59:1348-50, Sep 70

DIAGNOSTIC USE

[Ultrastructure of dermal changes in human allergic skin test reaction] Wolff HH, et al.
Arch Dermatol Forsch 240:219-36, 1971 (Ger)

METABOLISM

In vivo metabolism of ethyl-1-14C-N,N-Di-n-propyl-thiolcarbamate in rats. Ong VY, et al.
Toxicol Appl Pharmacol 17:418-25, Sep 70

PHARMACODYNAMICS

Effects of tetraethylthiuram disulphide (disulfiram), diethyldithiocarbamate and ethanol on factors of the kinin system in human blood. Venneröd AM.
Acta Pharmacol Toxicol (Kbh) 28:454-65, 1970
Experiments on effects of disulfiram, diethyldithiocarbamate and ethanol on factors of the plasma kinin system. Vennerod AM.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:88, 1970
Effects of tetramethylthiuram disulfide and structurally-related compounds on the dopamine-beta-hydroxylase activity in the rat and hamster. Lippmann W, et al.
Arch Int Pharmacodyn Ther 189:348-57, Feb 71
Anticonvulsant effect of phencarbamide and its modification by reserpine and tranylcypromine. Madan BR, et al.
Arch Int Pharmacodyn Ther 190:155-8, Mar 71
Dopamine- -hydroxylase inhibition by dimethyldithiocarbamate and related compounds. Lippmann W, et al.
Biochem Pharmacol 18:2507-16, Oct 69
The effect of zineb and maneb on the isoenzymes of lactate dehydrogenase in the testes of rats. Izmirova N, et al. Dokl Bolg Akad Nauk 22:225-7, 1969
Studies on central and peripheral noradrenaline neurons using a new dopamine-(beta)-hydroxylase inhibitor. Corrodi H, et al.
Eur J Pharmacol 12:145-55, Oct 70
Influence of sodium diethyldithiocarbamate on the toxicity and distribution of copper in mice. Koutenský J, et al. Eur J Immunol 14:389-92, May 71
Aspects of the mechanism of action of some cephalosporins. Russell AD, et al.
J Bacteriol 106:65-9, Apr 71
Effects of diethyldithiocarbamate and carbon disulphide on brain tyrosine. Magos L, et al.
J Pharm Pharmacol 22:936-8, Dec 70
Mechanism of the inhibition of aldehyde dehydrogenase in vivo by disulfiram and diethyldithiocarbamate. Deitrich RA, et al.
Mol Pharmacol 7:301-7, May 71
L-DOPA induced effects on motor activity in mice after inhibition of dopamine-beta-hydroxylase. Strömberg U, et al. Psychopharmacologia 19:53-60, 1971
Norepinephrine biosynthesis inhibition: effects on memory in mice. Randt CT, et al.
Science 172:498-9, 30 Apr 71
[Influence of diethyldithiocarbamate on the CCl4-liver toxicity and the inhibition of the microsomal metabolism] Lange P, et al.
Acta Biol Med Ger 24:K 29-33, 1970 (Ger)

THERAPEUTIC USE

The treatment of acute nickel carbonyl poisoning with sodium diethyldithiocarbamate. Sunderman FW Sr.
Ann Clin Res 3:183-5, Jun 71
A new antifungal agent--tolnaftate. Behl PN, et al.
J Indian Med Assoc 54:320-2, 1 Apr 70
Prophylaxis of tinea pedis. Efficacy of tolnaftate powder and its talc-cornstarch base. Burrill BB, et al.
J Med Soc NJ 67:629-31, Oct 70
[Trial of the Spasmo-Compralgyl in urology. Apropos of 30 cases] Durand L.
Lyon Med 225:1023-4, 23 May 71 (Fre)

TOXICITY

Psoralen-type phototoxicity of tetramethylthiuram-monosulphide for Candida albicans; not for mouse or man. Muller R, et al.
J Invest Dermatol 56:340, Apr 71
[Biochemical mechanism of toxicity of fungicides of the dithiocarbamate series: inhibitory action on dopamine -hydroxylase activity] Truhaut R, et al.
Ann Pharm Fr 29:117-23, Feb 71 (Fre)
[Inhalation toxicity of the herbicide Jalan] Diadicheva TV. Gig Sanit 35:35-8, Aug 70 (Rus)
[Hygienic assessment of working conditions during the use of Eptam in agriculture] Medved' IL, et al.
Gig Sanit 36:29-32, 1971 (Rus)

THIOCARLIDE (D3)

ADMINISTRATION & DOSAGE

[Should isoxyl in its current dosage continue to be used as an antitubercular agent?] Steffen J.
Prax Pneumol 25:263-77, May 71 (Ger)

PHARMACODYNAMICS

Comparison of the sensitivity to ethionamide, thiacetazone and isoxyl of tubercle bacilli from previously untreated patients in Tokyo. Fukuhara Y, et al. Jap J Tubere Chest Dis 16:57-61, Jul 70

THIOCTIC ACID see LIPOIC ACID (D9, D11)

THIOCYANATES (D1, D2, D8)

Removal of fluorescein isothiocyanate from Sephadex after filtration of conjugated proteins. Reisher JI, et al. Anal Biochem 26:178-9, 10 Oct 68
Some S-alkyl derivatives of cysteine suitable for sequence determination by the phenylisothiocyanate technique. Rochat C, et al.
Anal Biochem 37:259-67, Oct 70
Studies on the reaction of proteins and peptides with methyl isothiocyanate and identification of the methylithiohydantoins by gas-liquid chromatography. Vance DE, et al. Anal Biochem 36:30-42, Jul 70
Oxidation of thiocyanate to cyanide and sulfate by the lactoperoxidase-hydrogen peroxide system. Chung J, et al. Arch Biochem Biophys 141:73-8, Nov 70
Selective cyanylation of sulfhydryl groups. Degani Y, et al. J Am Chem Soc 92:6969-71, 18 Nov 70
Oxidation of thiocyanate to cyanide catalyzed by hemoglobin. Chung J, et al.
J Biol Chem 246:555-60, 10 Feb 71
[Kinetic study of the reaction of phenylisothiocyanate with amino acids] Van Rymenant ME.
Bull Soc Chim Biol (Paris) 52:905-14, 1970 (Fre)
[Complete and automatic degradation of peptides acording to the quadrol method] Braunitzer G, et al.
Hoppe Seylers Z Physiol Chem 351:1589-90, Dec 70 (Ger)
[Immunoelectronmicroscopical investigations with 3-carboxy-4-ferrocenyl phenyl isothiocyanate-labelled antibodies on toxoplasma gondii] Wildführ W, et al.
Zentralbl Bakteriol [Orig] 216:532-40, 1971 (Ger)
[Practice of PTC technic] Mamiya G.
J Jap Biochem Soc 42:801-8, Oct 70 (Jap)
[Study of thiocyanate compounds of diphenylethers and diphenylamines on physical properties and Hückel approximation of the thiocyanation reaction.] Hamada Y, et al.
J Pharm Soc Jap 90:1488-93, Dec 70 (Jap)
[Relation of the alkaline hydrolysis rate of acetylcholine to the nature of the anion of the salt added to the reaction medium] Epshtein IaA.
Dokl Akad Nauk SSSR 197:227-9, 1 Mar 71 (Rus)
[Puffs induced by rhodanide and a puff model for determining damage to enzymes by drugs] Sakharova MN, et al.
Dokl Akad Nauk SSSR 196:1217-20, 11 Feb 71 (Rus)

ADMINISTRATION & DOSAGE

[Clonorchiasis and its treatment with a new anthelmintic agents] Mohr W, et al.
Med Klin 65:515-8, 13 Mar 71 (Ger)
[Extraction of chloracizine thiocyanate complex of cobalt] Sichko AI, et al.
Farmatsiia 19:49-54, Nov-Dec 70 (Rus)

ADVERSE EFFECTS

[Acute contact dermatitis from exposure to Nematin (Vapam)] Wolff F, et al.
Z Gesamte Hyg 16:423-6, 1 Jun 70 (Ger)
[Goiter-inducing effects of milk. II. Thiocyanate

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

content in milk as a possible etiologic factor in experimental goiter] Muñoz-Rodriguez M.
Rev Esp Fisiol 26:197-202, Sep 70 (Spa)

ANALYSIS

Evidence for the presence of two thiocyanate-dependent antibacterial systems in human saliva. Dogon IL, et al.
Arch Oral Biol 15:987-92, Oct 70
[Splitting of organic disulfides in rhodan compounds and sulfenic acid rhodanides. 44. Organic compounds] Pohloudek-Fabini R, et al.
Pharmazie 26:383-6, May 71 (Ger)
[Study of the interaction of dimedrol with cobalt thiocyanate] Godiatskif VE, et al.
Farmatsiia 17:52-4, May-Jun 68 (Rus)
[Precipitation reactions with complex zinc rhodanide of drug preparations containing quaternary nitrogen atom] Iavorskif NP, et al.
Farmatsiia 20:65-7, Mar-Apr 71 (Rus)

BLOOD

The effect of thiocyanate concentration on thiocyanate distribution and excretion. Funderburk CF, et al.
Proc Soc Exp Biol Med 136:1249-52, Apr 71

CHEMICAL SYNTHESIS

Mechanism of cyanogen bromide reaction with methionine in peptides and proteins. I. Formation of imidate and methyl thiocyanate. Inglis AS, et al.
Anal Biochem 37:73-80, Sep 70
[Relations between the chemical constitution and antibacterial effect. 25. Preparation, bacteriostatic and vermicidal properties of some substituted benzylisothiocyanates, isothiocyanatomethyl and beta-isothiocyanatopropionyl compounds] Teubner H, et al. Arch Exp Veterinaermed 24:849-58, 1970 (Ger)

METABOLISM

Prompt stimulation by TSH of thyroid oxidation of thiocyanate. Otaki S, et al.
Endocrinology 88:566-73, Mar 71
Cyanide and thiocyanate levels in blood and urine of workers with low-grade exposure to cyanide. Maehly AC, et al. Int Arch Arbeitsmed 27:195-209, 1970
The effect of thiocyanate concentration on thiocyanate distribution and excretion. Funderburk CF, et al.
Proc Soc Exp Biol Med 136:1249-52, Apr 71
[Bacteria oxidizing thiocyanates in industrial waste waters] Iurovskaia EM.
Mikrobiol Zh 33:148-52, Mar-Apr 71 (Ukr)

PHARMACODYNAMICS

Degeneration of HeLa-cells induced by the cytotoxic effect of isothiocyanates or by the starvation of cells. Horáková K, et al.
Acta Morphol Acad Sci Hung 18:193-202, 1970
Inhibition of virus multiplication by selected isothiocyanates. Rada B, et al.
Acta Virol (Praha) 15:329-32, Jul 71
Water movement through canine stomach during thiocyanate inhibition of gastric acid secretion. Moody FG. Am J Physiol 220:467-71, Feb 71
Some aspects of the regeneration of Candida albicans after inhibition of the energy metabolism. Drobnica L, et al. Antonie van Leeuwenhoek 35:Suppl:G5, Jun 69
Effect of allylisothiocyanate on amino acid incorporation in rat liver microsomes. Alam SE, et al.
Biochem Pharmacol 19:1513-3, Apr 70
Extrathyroidal effect of thiocyanate and propylthiouracil: the depression of the protein-bound iodine level in intact and thyroidectomized rats. Langer P. J Endocrinol 50:367-72, Jul 71
Dissociation of antibody from erythrocyte surfaces by chaotropic ions. Edgington TS.
J Immunol 106:673-80, Mar 71
Cytotoxic and cancerostatic effect of isothiocyanates and related compounds. VII. Effect of isothiocyanatechalkones on HeLa cells. Horáková K, et al. Neoplasma 18:355-9, 1971
Morphological changes of HeLa-cells induced by the cytotoxic concentrations of isothiocyanates.
Horáková K, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:259-62, 1970
[Antimicrobial effects of thiocyanates, isothiocyanates and potential isothiocyanate forming substances] Zsolnai T. Arzneim Forsch 21:121-7, Jan 71 (Ger)
[Studies on the skin sensitization capacity of some isothiocyanates and 5-nitrothiophen derivatives in guinea pigs] Weuffen W, et al.
Dermatol Monatsschr 156:585-92, 1970 (Ger)
[Similarities and differences between hepatic changes induced in rats by alpha-naphthyl-isothiocyanate and those induced by an analogous chemical composition (alpha-naphthyl isocyanate, beta-naphthyl isocyanate, phenyl isosulfocyanurate, benzyl sulfo-cyanaurate, alpha-naphthyl-urea, alpha-naphthyl-thourea, alpha-dinaphthyl-thiourea)] Mazzanti L, et al.
Arch De Vecchi Anat Patol 55:377-88, Oct 69 (Ita)
[Effect of salicylic acid, 2,4-dinitrophenol or thiocyanate on thyroxine-binding of TBPA] Shimizu T, et al.
Folia Endocrinol Jap 47:298-300, 20 Aug 71 (Jap)
[Studies on chemotherapeutics. VI. On the antimicrobial activity and syntheses of halogen-substituted-arylthiocyanate compounds] Hamada Y, et al.
J Pharm Soc Jap 91:565-70, May 71 (Jap)
[Regularities in the formation of 2-acetyl-2-decarboxamidotetracycline during the fermentation of tetracycline] Makarevich VG, et al.
Antibiotiki 16:22-7, Jan 71 (Rus)

POISONING

[Changes in structure and microcirculation of the rat liver after intermittent application of alpha-naphthyl-isothiocyanate (ANIT) for 12 months] Stefenelli N, et al.
Virchows Arch [Pathol Anat] 353:302-11, 1971 (Ger)

THERAPEUTIC USE

Evaluation of phenylene 1,4-diisothiocyanate (Bitoscanate: Jonit) in intestinal parasitic infection: a field study. Mutalik GS, et al.
Ann Trop Med Parasitol 64:79-85, Mar 70
The therapeutic efficacy of phenylene-diisothiocyanate (1,4) against A. duodenale and N. americanus in Taiwan. Hsieh HC, et al. J Formosan Med Assoc 69:405-9, 28 Aug 70
[Inhibition by 2 naphtylisothiocyanates of hepatocarcinogenesis induced by p-dimethylaminoazobenzene (DAB) in rats] Lacassagne A, et al.
C R Soc Biol (Paris) 164:230-3, 25 Sep 70 (Fre)
[Ambulatory treatment of ankylostomiasis using compound H-16,842 (JONIT)] Huggins D.
Hospital (Rio de J) 78:303-12, Jul 70 (Por)

TOXICITY

Hyperlipidic diet as a factor allowing alpha-naphtyl-isothiocyanate and thioacetamide toxicity on the albino rat testis. Mazzanti L, et al.
Experientia 27:169-70, 15 Feb 71
-naphthylisothiocyanate (ANIT)-induced hepatotoxicity and disposition in various species. Capizzo F, et al.
Toxicol Appl Pharmacol 19:178-87, Jun 71
Functional effects of -naphthylisothiocyanate in various species. Indacochea-Redmond N, et al.
Toxicol Appl Pharmacol 19:71-80, May 71

URINE

[Is it possible to determine the tobacco origin of chronic carbon monoxide poisoning?] Yacoub M, et al.
Med Leg Domm Corpor (Paris) 3:262-5, Jul-Sep 70 (Fre)
[Urinary thiocyanates in smoking] Yacoub M, et al.
Med Leg Domm Corpor (Paris) 3:266-70, Jul-Sep 70 (Fre)

THIOGLYCOLATES (D2)

[Experience in cultivation of Treponema pallidum in thioglycol medium] Serzhantova TI.
Vestn Dermatol Venerol 43:48-51, Aug 69 (Rus)

ADVERSE EFFECTS

[A general complication of the use of a cold permanent wave] Baran R.
Rev Fr Allergol 10:237-41, Jul-Sep 70 (Fre)

ANALYSIS

[Determination of thioglycolic acid in air] Rozova ND.
Gig Tr Prof Zabol 14:58-9, Sep 70 (Rus)

METABOLISM

[Gas liberated by Clostridium oedematiens cultivated on sodium thioglycolate medium in a vacuum] Labarre C, et al.
Ann Inst Pasteur (Paris) 117:222-5, Aug 69 (Fre)

PHARMACODYNAMICS

In vivo depression of hepatic succinoxidase by sulfhydryl compounds. Bakshy S, et al.
Biochem Biophys Res Commun 42:765-71, 5 Mar 71
A method for increasing the number of pleural macrophages in mice. Gallily R, et al.
Isr J Med Sci 6:166-7, Jan-Feb 70
[Thiol derivatives and responses to oxytocin] Vanden Driessche R, et al.
Arch Int Physiol Biochim 79:192-3, Jan 71 (Fre)
[Changes in the reaction time of rats following application of vasopressin, oxytocin and Na-thioglycolate] Schwarzberg H, et al.
Acta Biol Med Ger 24:507-16, 1970 (Ger)

THIOGUANINE (D4)

The crystal and molecular structure of 6-thioguanine. Bugg CE, et al. J Am Chem Soc 92:7441-5, 16 Dec 70

ADMINISTRATION & DOSAGE

Combination chemotherapy in acute myeloblastic leukemia. Guyer RJ, et al. Br Med J 1:231-2, 23 Jan 71

ANTAGONISTS & INHIBITORS

6-thioguanine: antimitotic effect on human lymphocytes in vitro prevented by adenine. Price DJ, et al. Br J Cancer 25:106-8, Mar 71

ISOLATION & PURIFICATION

Antimetabolites produced by microorganisms. 3. 2-aminopurine-6-thiol (thioguanine). Scannel JP, et al.
J Antibiot (Tokyo) 24:328-9, May 71

METABOLISM

6-Methylthioguanylic acid, a metabolite of 6-thioguanine. Allan PW, et al.
Biochem Pharmacol 20:847-52, Apr 71

PHARMACODYNAMICS

Hypoxanthine-guanine phosphoribosyltransferase deficiency: chemical agents selective for mutant or normal cultured fibroblasts in mixed and heterozygote cultures. Fujimoto WY, et al.
Proc Natl Acad Sci USA 68:1516-9, Jul 71
[The effect of 6-thioguanine on the immunoreactivity of animals to foreign erythrocytes] Solov'ev VV, et al.
Biull Eksp Biol Med 66:78-81, Aug 68 (Rus)

THIOMALATES (D2)

Copper-catalyzed oxidation of thiomalic acid. De Marco C, et al. Arch Biochem Biophys 144:496-502, Jun 71
Effectiveness of malathion insecticide against some species of cattle and buffalo ticks commonly found in India. Rangnekar DV, et al.
Indian Vet J 48:466-71, May 71

ADMINISTRATION & DOSAGE

Myocrisin. Richards HJ. Lancet 1:655, 27 Mar 71

PHARMACODYNAMICS

Inhibition of human granulocyte elastase by gold sodium thiomalate. Janoff A.
Biochem Pharmacol 19:626-8, Feb 70
Observations on malathion-resistant adults of Anopheles albimanus Wiedemann in coastal El Salvador. Breeland SG, et al. Bull WHO 43:627-31, 1970
Reversal of malathion-induced teratisms and its biochemical implications in the developing chick. Greenberg J, et al. Can J Zool 48:1047-53, Sep 70
Linkage relationships between the white eye mutant and malathion resistance in Culex tarsalis Coquillett. Calman JR, et al. J Med Entomol 7:585-8, Nov 70
[On the effect of anticholinesterasi drugs on nidation of the fertilized egg. Comparative experimental study on 3 species of rodents] Lauro V, et al.
Arch Ostet Ginecol 74:368-80, Sep-Oct 69 (Ita)

POISONING

Pralidoxime iodide (PAM) and toxogonin as antidotes in acute malathion intoxication in the dog. Sadeghi D, et al. Isr J Med Sci 6:154-6, Jan-Feb 70
Malathion intoxication in Military Scout Dogs. McCurnin DM.
J Am Vet Med Assoc 155:1359-63, 15 Oct 67

TOXICITY

The influence of a wide range of dietary protein concentration on the acute oral toxicity of malathion. Boyd EM, et al. Arch Toxikol 28:125-32, 1970
Similar effects of X-irradiation and Piperonyl butoxide on toxicity of Malathion and Malaoxon to house flies. Ware GW, et al. J Econ Entomol 63:1621-2, Oct 70
[Pathomorphological studies on curtailed chronic toxicity of Sadofos (Malathion)] Sodnierz M, et al.
Patol Pol 21:737-44, Oct-Dec 70 (Pol)

THIOMERIN see under DIURETICS, MERCURIAL (D1, D7)

THIOPENTAL (D6)

Comparison of diazepam with thiopental as an induction agent in cardiopulmonary disease. Knapp RB, et al. Anesth Analg (Cleve) 49:722-6, Sep-Oct 70
Thiopentone-suxamethonium mixture. Alexander J.
Br J Anaesth 43:591, Jun 71
Propanidid versus thiopentone for induction of general

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

anaesthesia in elective Caesarean section. Baraka A, et al. Br J Anaesth 43:609-12, Jun 71
Thiopentone-suxamethonium mixture. A method for reducing the aspiration hazard during induction of anaesthesia. Khawaja AA.
Br J Anaesth 43:100-2, Jan 71
Effect of free fatty acids on binding of drugs by bovine serum albumin, by human serum albumin and by rabbit serum. Rudman D, et al.
J Pharmacol Exp Ther 176:261-72, Feb 71
(35S)thiopentone autoradiography as a means for studying the physiological territory of supply of cerebral vessels. Joy MD.
J Physiol (Lond) 215:4P-5P, May 71
[Thiopental induction in anesthesia for cesarean section] Krüger HW.
Geburtshilfe Frauenheilkd 31:745-50, Aug 71 (Ger)
[Anesthesia and fetal distress. Trials of sodium thiopental and sodium hydroxy-butyrate] Carboncini P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:467-73, 1968 (Ita)
[Potentiation of thiopental anesthesia by fatty acids] Omiya Y. Folia Pharmacol Jap 67:202-8, 1971 (Jap)
[Potentiation of thiopental anesthesia by adrenaline] Omiya Y. Folia Pharmacol Jap 67:193-201, 1971 (Jap)
[Effect of ether, thiopental anesthesia and surgical stress on plasma TSH] Matsuki A, et al.
Jap J Anesthesiol 20:632-8, Jul 71 (Jap)
[Effects of thiopental-nitrous oxide anesthesia and surgical stress on plasma human growth hormone and insulin levels] Takiguchi M, et al.
Jap J Anesthesiol 19:1444-8, Dec 70 (Jap)
[Pharmacological studies on thiopental sodium anesthesia. Studies on the "Lamson's effect" induced by glucose] Kawamata M.
Shikwa Gakuho 71:208-17, Jan 71 (Jap)
[Sacral periodural anesthesia in children] Castaños CC, et al. Rev Bras Anestesiol 20:348-54, Jul-Sep 70 (Por)

ADMINISTRATION & DOSAGE

Intravenous injection of lipid soluble drugs. A preliminary report. Ljungberg S, et al.
Acta Pharm Suec 7:435-40, Sep 70
The effect of a preanesthetic interview on the operative use of thiopental sodium. Collins NW, et al.
Anesth Analg (Cleve) 49:872-6, Nov-Dec 70
Enhancement of thiopentone anaesthesia by sulphafurazole. Csögör SI, et al.
Br J Anaesth 42:988-90, Nov 70
Thiopentone-suxamethonium mixture. Khawaja AA.
Br J Anaesth 43:822, Aug 71

ADVERSE EFFECTS

The influence of anaesthesia and the induction-delivery interval on the newborn delivered by Caesarean section. Kivalo I, et al.
Ann Chir Gynaecol Fenn 60:71-5, 1971
Anaphylactoid response to thiopentone. Case report. Clark MM, et al. Br J Anaesth 43:185-9, Feb 71
Further investigation into local complications of thiopentone injection. Davies DD.
Br J Anaesth 43:471-2, May 71
Anaphylactoid reaction to thiopentone. Sargent NW.
Br J Anaesth 43:591, Jun 71
Bronchial spasm during general anaesthesia. Brandus V, et al. Can Anaesth Soc J 17:269-74, May 70
[Amniotic pressure, fetal heart rate and pH during childbirth under Syntocinon intravenous perfusion associated with Pentothal general anesthesia] Pontonnier G, et al.
Rev Fr Gynecol Obstet 65:537-60, Oct 70 (Fre)
[Behavior of electrocardiographic lead 3 P during thiobarbiturate induction of anesthesia and orotracheal intubation] Decio B, et al.
Acta Anaesthesiol (Padova) 20:983-1001, Nov-Dec 69 (Ita)
[Total bronchial spasm during endotracheal anesthesia] Sadchikova DS.
Vestn Khir 104:86-7, Jun 70 (Rus)

METABOLISM

Pharmacokinetics of pentobarbital and thiopental in the isolated perfused rat liver. Alvarez RA.
Arch Int Pharmacodyn Ther 189:380, Feb 71
Effect of SKF 525A on the fate of thiopentone. Bogan J.
J Pharm Pharmacol 22:709-10, Sep 70
Identification of drugs in the preimplantation blastocyst and in the plasma, uterine secretion and urine of the pregnant rabbit. Sieber SM, et al.
J Pharmacol Exp Ther 176:65-75, Jan 71
Alteration of thiopental metabolism in phenobarbital-treated calves. Sharma RP, et al.
Toxicol Appl Pharmacol 17:400-5, Sep 70
[Distribution of sodium thiopental in fetal tissues of guinea pigs] Cosmi EV, et al.
Acta Anaesthesiol (Padova) 21:419-26, Jul-Aug 70 (Ita)
[Intravenous anesthesia. 23. Affinity of tumorous tissue to thiopental] Takahashi T, et al.
Jap J Anesthesiol 20:202-8, Mar 71 (Jap)

PHARMACODYNAMICS

Turnover of pyrimidine nucleotides in the rat brain after injection of sodium thiopental and sodium gamma-hydroxybutyrate. Piccoli F, et al.
Acta Neurol (Napoli) 26:188-97, Mar-Apr 71
Maternal acid-base status during cesarean section under thiopental, N2O1 and succinylcholine anesthesia. Kalappa R, et al.
Am J Obstet Gynecol 109:411-7, 1 Feb 71
Maternal cardiovascular dynamics. V. Cesarean section under thiopental, nitrous oxide, and succinylcholine anesthesia. Ueland K, et al.
Am J Obstet Gynecol 108:615-22, 15 Oct 70
Evaluation of premedicants as protective agents against convulsive (LD50) doses of local anesthetic agents in rats. Aldrete JA, et al.
Anesth Analg (Cleve) 50:127-30, Jan-Feb 71
Effects of ketamine on canine cerebral blood flow and metabolism: modification by prior administration of thiopental. Dawson B, et al.
Anesth Analg (Cleve) 50:443-7, May-Jun 71
Anesthesia and digitalis toxicity. VI. Effect of barbiturates and halothane on digoxin toxicity. Morrow DH.
Anesth Analg (Cleve) 49:305-9, Mar-Apr 70
Sodium transport and anesthetic requirements in the toad. Andersen NB, et al.
Anesthesiology 34:338-43, Apr 71
Differential effects of anesthetics on mesencephalic reticular neurons. II. Responses to repetitive somatosensory electrical stimulation. Shimoji K, et al.
Anesthesiology 35:76-90, Jul 71
Clinical signs and development of tolerance to thiopental. Singh JM.
Arch Int Pharmacodyn Ther 187:199-208, Sep 70
Competition between sulphonamides and thiopental for the binding sites of plasma proteins. Csögör SI, et al. Arzneim Forsch 20:1925-7, Dec 70
Effects of anaesthetics and their interactions with neuromuscular blocking agents in cats. Hughes R.
Br J Anaesth 42:826-33, Oct 70
Acute effects of halothane, nitrous oxide and thiopentone on the upper limb blood flow. Pauca AL, et al. Br J Anaesth 43:326-34, Apr 71
The effects of other drugs on the stimulation of laryngospasm in the cat: atropine; thiopentone, suxamethonium; local analgesics. Rex MA.
Br J Anaesth 43:117-21, Feb 71
Effects of sodium thiopentone on cerebellar neurone activity. Latham A, et al. Brain Res 25:212-5, 8 Jan 71
Evidence for a characteristic EEG frequency response to thiopental. Schwartz J, et al.
Electroencephalogr Clin Neurophysiol 31:149-53, Aug 71
Effect of anesthetics on the organic acid transport system of renal tubules. Dedrick DF, et al.
Experientia 27:252-3, 15 Mar 71
Mechanism of potentiating action of epinephrine on thiopental anesthesia. Omiya Y, et al.
Jap J Pharmacol 20:577-84, Dec 70
The influence of hypnotics and tranquilizers on some evoked cortical potentials. Zakusov VV, et al.
Neuropharmacology 10:1-8, Jan 71
The influence of thiopentone and suxamethonium on cardiovascular and respiratory function in the horse. Tavernor WD, et al. Res Vet Sci 11:45-53, Jan 70
The deterioration of hemodynamic parameters during thiopental sodium anesthesia. Hellenbrand WE, et al.
Surgery 70:416-20, Sep 71
[Influence of sulfathiazole on the narcotic effect of thiopental and hexobarbital] Csögör SI, et al.
Rev Roum Physiol 8:81-5, 1971 (Fre)
[The influence of nitrous oxide, thiopental and halothane on the formation of cotton pellet granulomas] Cunitz G, et al.
Arzneim Forsch 21:429-30, Mar 71 (Ger)
[Distribution of blood after thiopental] Habermann H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:344, 1970 (Ger)
[The behavior of blood circulation and respiration in the drug-recumbent horse using Rompun and Pentothal] Skarda R, et al.
Schweiz Arch Tierheilkd 112:458-63, Sep 70 (Ger)
[Effects of farmotal on the proliferative activity of cells cultured in vitro] Caroli GC, et al.
Boll Soc Ital Biol Sper 45:1247-51, 15 Oct 69 (Ita)
[Effects of farmotal on the contractile activity of embryonic myocardial tissue cultured in vitro and on the cytology of migrating cells] Giovanelli L, et al.
Boll Soc Ital Biol Sper 45:1251-3, 15 Oct 69 (Ita)
[Effects of a thiobarbiturate on intracranial, systemic arterial and systemic venous pressures in man] Siani C, et al.
Boll Soc Ital Biol Sper 45:1475-8, 30 Nov 69 (Ita)
[Action of Farmotal on embryonal nerve tissue cultured in vitro] Valentini AF, et al.
Boll Soc Ital Biol Sper 46:760-2, 30 Sep 70 (Ita)
[Effects of farmotal on the migration of cultured cells in vitro] Valentini AF, et al.
Boll Soc Ital Biol Sper 45:1243-7, 15 Oct 69 (Ita)
[Electroencephalographic study in patients with cerebral arteriosclerotic lesions. Modifications induced by hemokinetic treatment in course of a barbiturate narcosis] Ruggerini R, et al.
Minerva Anestesiol 37:164-73, Apr 71 (Ita)
[The biphasic effect of clinical doses of thiopentone on intracranial pressure] Zattoni J, et al.
Minerva Anestesiol 35:1251-60, Dec 69 (Ita)
[Glucuronic acid metabolism. 22. Pharmacological studies on thiopental sodium anesthesia. Effects of glucuronolactone on thiopental sodium anesthesia] Kawamata M.
Folia Pharmacol Jap 67:75-82, Jan 71 (Jap)
[Effects of several anesthetics on blood flow of the renal cortex and medulla--by means of thermoelectrical method] Hirasawa H.
Jap J Anesthesiol 20:539-48, Jun 71 (Jap)
[Effect of atropine and thiopental on erythrocyte reduced glutathione level] Pronicki B, et al.
Pol Tyg Lek 26:509-10, 5 Apr 71 (Pol)
[The relation between changes in the electrocorticogram and various evoked cortical responses under the influence of sodium thiopental] Ostrovskaia RU.
Biull Eksp Biol Med 68:65-70, Aug 69 (Rus)
[Effect of sodium thiopental anesthesia on the blood coagulation and anticoagulation system in the toxemic stage of burn diseases] Levin GIa.
Eksp Khir Anesteziol 15:76-9, Sep-Oct 70 (Rus)
[Neurotropic properties of fluphenazine] Liubimov BI, et al. Farmakol Toksikol 34:287-90, May-Jun 71 (Rus)
[Comparative effect of sodium thiopental, epontol and armin on the delta-rhythms in intact and neuron-isolated cerebral hemispheres] Nikiforov MI, et al. Farmakol Toksikol 34:14-8, 1971 (Rus)
[Effects of pentotal anesthesia on the regional distribution of cardiac minute volume in dogs] Ericsson BF. Nord Med 86:917, 29 Jul 71 (Swe)

THERAPEUTIC USE

Thiopentone-facilitated implosion in treatment of phobic disorders. Hussain MZ.
Can Med Assoc J 103:768-9, 10 Oct 70
[Perfusion Toulousaine] Menneking U.
Arch Gynaekol 211:290-1, 4 Jun 71 (Ger)

THIOPHENES (D2)

Carcinogenic activity of dibenzothiophene analogs of p-dimethylaminoazobenzene. Brown EV, et al.
J Med Chem 14:84-5, Jan 71
Dipole moment and structure of thiophene derivatives and benzene analogs. Lien EJ, et al.
J Pharm Sci 59:1685-8, Nov 70
[The orientation of oxidation of 7-hydroxy-2,3-diphenylbenzofuran and-benzo [b]-thiophene with Fremy's salt. The studies on the heterocyclic quinones. II] Ishii H, et al.
J Pharm Soc Jap 90:1283-9, Oct 70 (Jap)
[The orientation of oxidation of 7-hydroxy-2- and -3-phenylbenzo (b) thiophenes with Fremy's salt. (The steric effect of 3-phenyl substituent). The studies on the heterocyclic quinones. 3] Ishii H, et al.
J Pharm Soc Jap 90:1290-7, Oct 70 (Jap)

CHEMICAL SYNTHESIS

Benzo(b)thiophene derivatives. XVI. The sulfur isosteres of melatonin, bufotenine, 5-hydroxytryptophan, and related structures. Campaigne E, et al. J Med Chem 13:1205-8, Nov 70
[Thioacylation of benzylidenaminoacetonitril and following ring closure reactions] Hartke K, et al.
Pharmazie 25:517-22, Sep 70 (Ger)

ISOLATION & PURIFICATION

The isolation and identification of the numbing principle in Chrysanthemum anethifolium. Doskotch RW, et al. Lloydia 33:393-4, Sep 70

PHARMACODYNAMICS

Biologically active benzo (b)thiophene derivatives. Campaigne E, et al.
Adv Drug Res 5:1-54, 1970 (276 ref.)
Difference in 2-thenoyltrifluoroacetone sensitivity of electron transport with and against the redox potential gradient. Streichman S, et al.
Biochim Biophys Acta 216:263-9, 1 Sep 70
5-membered heterocyclic compounds: a new class of hypocalcemic agents. Fang VS, et al.
Proc Soc Exp Biol Med 135:464-8, Nov 70
2-Thiophenecarboxylic acid: inhibitor of bone resorption in tissue culture. Fang VS, et al.
Science 172:163-5, 9 Apr 71
[Biphasic modifications of the pressor action of vasopressive amines by a derivative of benzocycloheptathiophene (IB 503)] Boissier JR, et al. C R Soc Biol (Paris) 164:259-64, 25 Sep 70 (Fre)
[Effects of a serotonin antagonist (BC 105 Sandoz) on carbohydrate metabolism] Fraipont-Guyot C, et al.
Rev Med Liege 25:414-21, Jul 70 (Fre)
[Double-blind studies on the appetite stimulating effect of a serotonin antagonist in the anorexic infant]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Martin-duPan R, et al.
Ther Umsch 28:415-24, Jun 71 (Fre)
[Pharmacopsychological test. Influence of thioridazine and 4-(1methyl-4-piperidylidene)-9,10-dihyo-4H-benzo[4,5]cyclohepta[1,2-b]-thiophene and their combination on drive i normal test subjects in the acute experiment] Ghring A, et al.
Arzneim Forsch 2:15-20, Jan 71 (4 REF.) (Ger)
[Inhibition of collagen induced aggregation of human thrombocytes using phenyl derivatives of 4-amino-thiopen-3 carbonic acid a new group of synthetic fibrinolytic agents] Kaulla KN von, et al.
Klin Wochenschr 48:668-73, 1 Jun 70 (Ger)
[2-anilinothiophenes, uncouplers of oxidative phosphorylation in mitochondria] Büchel KH, et al.
Z Naturforsch [B] 25:145-74, Dec 70 (Ger)

THERAPEUTIC USE

BC 105 in the prophylaxis of migraine. Hughes RC, et al.
Curr Ther Res 13:63-8, Jan 71
BC-105 a new preparation for the interval treatment of migraine--a double blind evaluation compared with a placebo. Ryan RE. Headache 11:6-18, Apr 71
The treatment of migraine with BC 105 (pizotifen): a double blind trial. Arthur GP, et al.
NZ Med J 73:5-9, Jan 71
A clinical trial of an antiserotonin drug, bc-105 in the prophylaxis of migraine. Selby G.
Proc Aust Assoc Neurol 7:37-43, 1970
[Study of the action of Citiolone on hepatocellular cytolysis in decompensating cirrhosis and in active chronic hepatitis]
Rev Med Chir Mal Foie 46:95-8, 1971 (Fre)
[Study in pediatrics of an hepatic cell membrane protector, Citiolone] Lajouanine P.
Therapeutique 47:585-7, Jun-Jul 71 (Fre)
[Differential diagnosis of headache and experiences with a new preparation in the treatment of migraine] Brügger A. Praxis 59:1360-5, 29 Sep 70 (Ger)
[Clinical experiences with polyantiaminic BC-105 Sandoz in the prevention of vasomotor headaches] Serci M, et al. Praxis 59:679-83, 5 May 70 (Ger)
[Long-term therapy of persistent migraine with BC-105] Barolin GS.
Z Allgemeinmed 46:1130-3, 10 Aug 70 (Ger)
[Therapy of vasomotor headache with a new drug: BC 105. Preliminary results] Tedeschi G, et al.
Acta Neurol (Napoli) 26:61-5, Jan-Feb 71 (Ita)
[Therapeutic action of an antiamine drug (BC 105) in vasomotor headaches] Agnoli A, et al.
Sist Nerv 22:221-31, Jul-Aug 70 (Ita)

THIOPHENYLPYRIDYLAMINES see under PYRIDOBENZOTHIAZINES (D2)

THIOPROPERAZINE (D6)

ADMINISTRATION & DOSAGE

[Thioproperazine and levomepromazine used in combination in treatment of chronic psychoses: attempt to derive a dosage ratio] Colmart C, et al.
Evol Psychiatr (Paris) 34:849-60, Oct-Dec 69 (Fre)

ANTAGONISTS & INHIBITORS

[Antagonism of levomepromazine-thioproperazine on the extra pyramidal system] Gauthier R, et al.
Int Z Klin Pharmakol Ther Toxikol 4:223-7, Feb 71 (Fre)

PHARMACODYNAMICS

[Protective effect of thiopreperazine and of tranxenemic acid (AMCHA) on gastric vasomotor response induced by polymyxin B in the rat] Bel A, et al. Biol Gastroenterol (Paris) 2:117-26, 1969 (Fre)
[Effects of thioproperazine on the urinary excretion and concentration in the cerebrospinal fluid of 5-hydroxyindoleacetic acid in chronic schizophrenia] Albert JM, et al. Laval Med 42:167-71, Feb 71 (Fre)
[Effects of thioproperazine on dopamine and noradrenaline metabolism in chronic schizophrenia] Panisset VC, et al. Laval Med 41:917-22, Sep 70 (Fre)

THERAPEUTIC USE

Effect of thioproperazine on 5-HIAA content in urine and cerebrospinal fluid of chronic schizophrenic patients. Albert JM, et al.
Dis Nerv Syst 31:Suppl:140-4, Nov 70
[Value of association of propericiazine with haloperidol, or thioproperazine, or prochlorperazine, in the treatment of some psychoses] Kammerer T, et al. Ann Med Psychol (Paris) 1:790-800, May 71 (Fre)
[Control of postoperative vomiting with thioproperazine (Majeptil)] Lind B, et al.
Anaesthesist 19:200-2, Jun 70 (Ger)

THIORIDAZINE (D6)

Auto-oxidation of thioridazine hydrochloride and trifluoperazine dihydrochloride: implications for clinical practice. Estes ZE. Milit Med 135:296-9, Apr 70

ADMINISTRATION & DOSAGE

Methylphenidate and thioridazine: learning, reaction time, activity, and classroom behavior in disturbed children. Sprague RL, et al.
Am J Orthopsychiatry 40:615-28, Jul 70
Psychiatric treatment for geriatric patients: "pub" or drug? Chien CP. Am J Psychiatry 127:1070-5, Feb 71
Effect of lithium carbonate, placebo, and thioridazine on hyperactive children. Whitehead PL, et al.
Am J Psychiatry 127:824-5, Dec 70
Combined administration of thioridazine and nicotinic acid in the treatment of geriatric patients. Ananth JV, et al. Curr Ther Res 13:158-61, Mar 71
Comparison of thioridazine tablets to chlorpromazine spansules in the maintenance care of chronic schizophrenics. Bartlett C.
Curr Ther Res 13:100-6, Feb 71
Combined administration of thioridazine and fluoxymesterone in the treatment of geriatric patients. Deutsch M, et al.
Curr Ther Res 12:805-9, Dec 70
Comparative therapeutic efficacy of spansule form of phenothiazine and phenothiazine tablets. McDaniel TW Jr. Dis Nerv Syst 31:839-43, Dec 70
EKG T-wave distortions among thioridazine-treated psychiatric inpatients (some correlates of the incidence and severity). Thornton CC, et al.
Dis Nerv Syst 32:320-3, May 71
Thioridazine and secobarbital as premedicating agents. Nazif M. J Dent Child 38:206-10, May-Jun 71
[Maintenance therapy with oenanthate of fluphenazine, associated with thioridazine and thymoanaleptics. Use of small doses] Schnetzler JP, et al. Ann Med Psychol (Paris) 1:800-6, May 71 (Fre)
[Nervous tension and its treatment with delayed-action Melleril-30] Zumkeller RF.
Praxis 59:943-6, 23 Jun 70 (Fre)
[Delayed-action thioridazine in hospital practice. (Clinical contribution)] Bertolotti P, et al.
Riv Sper Freniatr 93:495-517, 30 Apr 69 (Ita)
[Experience with use of the drug Melleril-retard in the treatment of patients with depressive-delusional and anxious-depressive syndromes] Eryshev OF, et al.
Zh Nevropatol Psikhiatr 70:1055-60, 1970 (Rus)

ADVERSE EFFECTS

Iatrogenic embryonic defects--correction of statement regarding thioridazine. Monie IW.
Calif Med 115:99, Jul 71
Urinary incontinence associated with thioridazine administration. Ananth JV, et al.
Can Med Assoc J 104:326 passim, 20 Feb 71
Tolbutamide jundice associated with multiple drug therapy. Ananth JV, et al.
Can Med Assoc J 103:1194, 21 Nov 70
Thioridazine-induced toxic psychosis. Hussain MA, et al. Can Med Assoc J 104:884, 22 May 71
Ocular changes due to phenothiazine derivatives--a surgey. Wilson DJ.
Trans Ophthalmol Soc UK 89:963-4, 1970

BLOOD

Plasma concentrations of thioridazine in patients with depression. A preliminary report. Jonghe FE de, et al.
Acta Psychiatr Scand 46:360-4, 1970

PHARMACODYNAMICS

The effect of thioridazine and promazine in reducing the potassium loss from isolated perfused rat hearts. Landmark K.
Acta Pharmacol Toxicol (Kbh) 29:49-59, 1971
The action of thioridazine and promazine on biological membranes: relationship between ATPase inhibition and membrane stabilization. Landmark K, et al.
Acta Pharmacol Toxicol (Kbh) 29:1-8, 1971
Phenothiazine-induced reduction in 42-K efflux from isolated, electrically stimulated rat atria. Haffner JF, et al.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:49, 1970
Phenothiazine derivatives and brain zinc. Turnover radioactive isotope study. Czerniak P, et al.
Arch Neurol 24:555-60, Jun 71
Alcohol, thioridazine and chlorpromazine effects on skills related to driving behaviour. Milner G, et al.
Br J Psychiatry 118:351-2, Mar 71
Effects of phenothiazines on the release of aspartate aminotransferase from hypothermic asystolic hearts subjected to hypoxia. Langslet A.
Eur J Pharmacol 13:292-4, 1971
The influence of various neuroleptic drugs on noise escape response in rats. Niemegeers CJ, et al.
Psychopharmacologia 18:249-59, 1970
[Pharmacopsychological test. Influence of thioridazine and 4-(1methyl-4-piperidylidene)-9,10-dihyo-4H-benzo[4,5]cyclohepta[1,2-b]-thiophene and their combination on drive i normal test subjects in the acute experiment] Ghring A, et al.
Arzneim Forsch 2:15-20, Jan 71 (4 REF.) (Ger)
[Experimental research on the effects of various types of psychopharmacological agents on plasmatic luteinizing activity] Oppo GT, et al.
Riv Sper Freniatr 93:167-91, 28 Feb 69 (Ita)

THERAPEUTIC USE

Phenothiazine intake and staff attitudes. Irwin DS, et al. Am J Psychiatry 127:1631-5, Jun 71
Comparison of thioridazine and chlorpromazine in doctor's choice research design. Kimbell I Jr, et al.
Clin Pharmacol Ther 12:825-32, Sep-Oct 71
Behavior problems in nursing home patients: treatment with thioridazine. Barksdale B.
Curr Ther Res 13:359-63, Jun 71
Clinical experience with thioridazine (Melleril) in the treatment of anxiety and depression associated with emotional disorders in general practice. Jolley D.
Curr Ther Res 13:111-28, Feb 71
The treatment of psychoneurotic states: a study of thioridazine in an office practice. Rudnick HD.
Curr Ther Res 13:311-5, May 71
Anxious-depressed adults and problem children treated with thioridazine in private practice. Schweikart W. Curr Ther Res 13:162-8, Mar 71
Treatment of anxious depressive patients in general medical practice. Walker EE.
Curr Ther Res 13:34-9, Jan 71
Differential drug effects of two phenothiazines. (A controlled comparison of thioridazine and trifluoperazine in chronic schizophrenics). Vestre ND, et al. Dis Nerv Syst 31:821-5, Dec 70
Method, design, and analysis of a comparative study of analgetics. Wohlzogen FX.
Int Z Klin Pharmakol Ther Toxikol 4:297-302, Oct 70
Method, design, and analysis of a comparative study of analgetics. Wohlzogen FX.
Int Z Klin Pharmakol Ther Toxikol 3:297-302, Oct 70
[Use of multivariate analysis in therapeutic trials] Pichot P, et al.
Ann Med Psychol (Paris) 2:240-6, Jul 70 (Fre)
[Fatigue and tensional labilities] Blanc P.
Praxis 59:1654-60, 24 Nov 70 (Fre)
[Psychophysiologic disorders in rural environment and their drug therapy] Wasem RM.
Rev Med Suisse Romande 90:361-74, Apr 70 (Fre)
[Thioridazine in nervous children] Claveau JC, et al.
Union Med Can 97:780-4, Jun 68 (Fre)
[EMA 3--a new combined analgesic] Poznic M, et al.
Praxis 59:1198-200, 18 Aug 70 (Ger)
[Melleril in pediatrics] Grieder HR.
Ther Umsch 27:117-9, Feb 70 (Ger)
[Clinical experiences with Mesoridazine in the therapy and rehabilitation of traumatic frontal brain damage] Gerstenbrand F, et al.
Wien Med Wochenschr 120:732-7, 17 Oct 70 (Ger)
[Electrocardiographic findings during treatment with a phenothiazine derivative] Guarraggi A, et al.
Minerva Cardioangiol 18:302-10, May 70 (Ita)
[Clinical contribution to the therapy of psychosomatic disorders of climaterium and menopause] Cappetti CA. Riv Ostet Ginecol 24:311-21, Oct 69 (Ita)
[Clinical and electroencephalographic study of the use of delayed-action thioridazine in psychiatry] Carletti G. Riv Sper Freniatr 94:927-83, 31 Aug 70 (Ita)
[Thioridazine and behavior disorders (prospects of use of the drug in the field of criminology)] De Fazio F, et al. Riv Sper Freniatr 94:1496-504, 3 Dec 70 (Ita)

TOXICITY

Hepatotoxicity occurring with thioridazine therapy. Kane FJ Jr, et al. South Med J 64:573, May 71

THIOSEMICARBAZONES (D2, D3)

Electron microscopic detection of PAS-positive substances with thiosemicarbazide. Sfastná J, et al.
Histochemie 27:63-8, 1971

ADMINISTRATION & DOSAGE

[Kaposi-Juliusberg syndrome. Clinical and etiopathogenic study and treatment, apropos of a case] Combe P, et al.
Ann Pediatr (Paris) 17:861-9, 2 Dec 70 (Fre)

ANALYSIS

[Quantitative determination of tibon] Zelenina EN.
Farmatsiia 18:78-9, May-Jun 69 (Rus)

CHEMICAL SYNTHESIS

Carcinostatic activity of thiosemicarbazones of formyl heteroaromatic compounds. VII. 2-Formylpyridine derivatives bearing additional ring substituents. Blanz EJ Jr, et al. J Med Chem 13:1124-30, Nov 70
Carcinostatic activity of thiosemicarbazones of formyl

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

heteroaromatic compounds. VI. 1-Formylisoquinoline derivatives bearing additional ring substituents, with notes on mechanism of action. French FA, et al. J Med Chem 13:1117-24, Nov 70

Antifungal activity of the thiosemicarbazones of some heterocyclic aldehydes. Wiles DM, et al. J Med Chem 14:252-4, Mar 71

PHARMACODYNAMICS

4-(1-adamantyl)-3-thiosemicarbazones as potential chemotherapeutic agents. Prescott B, et al. Antimicrob Agents Chemother 9:275-9, 1969

Inhibition of ribonucleoside diphosphate reductase by 1-formylisoquinoline thiosemicarbazone and related compounds. Moore EC, et al. Biochemistry 9:4492-8, 10 Nov 70

Thiosemicarbazide and gamma-aminobutyric acid metabolism. Sze PY, et al. Brain Res 25:387-96, 22 Jan 71

Metabolic effects of some tumor-inhibitory pyridine carboxaldehyde thiosemicarbazones. Booth BA, et al. Cancer Res 31:228-34, Mar 71

Inhibition of deoxyribonucleotide synthesis by pyridine carboxaldehyde thiosemicarbazones. Moore EC, et al. Cancer Res 31:235-8, Mar 71

Photic and drug-induced epilepsy in the baboon (Papio papio): the effects of isoniazid, thiosemicarbazide, pyridoxine and amino-oxyacetic acid. Meldrum BS, et al. Electroencephalogr Clin Neurophysiol 29:333-47, Oct 70

The comparative effects of various hydrazides on -aminobutyric acid and its metabolism. Wood JD, et al. J Neurochem 18:1017-25, Jun 71

A reexamination of the effect of thiosemicarbazide on brain GABA and glutamic decarboxylase in vivo. Sze PY, et al. Life Sci [I] 9:889-99, 1 Aug 70

Inactivation of Rous sarcoma virus on contact with N-ethyl isatin -thiosemicarbazone. Levinson W, et al. Nature [New Biol] 232:116-8, 28 Jul 71

[Effect of various indole derivatives with thiazolidine substituents on influenza virus] Khoma II. Farm Zh 25:58-60, 1970 (Ukr)

THERAPEUTIC USE

Treatment with methisazone of complications following smallpox vaccination. Jaroszyńska-Weinberger B. Arch Dis Child 45:573-80, Aug 70

A pilot trial of methisazone in infectious mononucleosis and chcikenpox. Sinha AK. Br J Clin Pract 25:177-8, Apr 71

1-Methylisatin 3-thiosemicarbazone treatment of NZB x NZW hybrid mice. Gabriel R. Br J Exp Pathol 52:271-5, Jun 71

Chemotherapy studies on experimental mouse tumors. X. French FA, et al. Cancer Chemother Rep [Suppl] 2:199-235, Apr 71

Eczema vaccinatum. Report of four cases by contact-infection. Treatment with methisazone (Marboran). Grosfeld JC, et al. Dermatologica 141:1-10, 1970

Carcinostatic activity of thiosemicarbazones of formyl heteroaromatic compounds. VII. 2-Formylpyridine derivatives bearing additional ring substituents. Blanz EJ Jr, et al. J Med Chem 13:1124-30, Nov 70

Carcinostatic activity of thiosemicarbazones of formyl heteroaromatic compounds. VI. 1-Formylisoquinoline derivatives bearing additional ring substituents, with notes on mechanism of action. French FA, et al. J Med Chem 13:1117-24, Nov 70

A preliminary evaluation of a dithiosemicarbazone for the treatment of anaplasmosis. Kuttler KL, et al. Res Vet Sci 11:334-8, Jul 70

[Cyclophosphamide therapy of nephrotic syndrome in childhood] Krepler P, et al. Arch Kinderheilkd 181:268-82, 1970 (Ger)

[Treatment of virus diseases] Vivell O. Med Klin 65:1812-5, 16 Oct 70 (Ger)

[The Soviet preparation Metisazon in the treatment of postvaccination skin complications] Beliaev NV, et al. Vestn Dermatol Venerol 44:72-4, Mar 70 (Rus)

[New Soviet preparation, Metisazone, and its effect on the course of reaction to smallpox revaccination] Beliaev NV, et al. Zh Mikrobiol Epidemiol Immunobiol 48:70-2, Feb 71 (Rus)

[A trial of the preventive effect of methisazone upon smallpox vaccination of children with relative contraindications] Bondarev VN, et al. Zh Mikrobiol Epidemiol Immunobiol 47:22-6, Sep 70 (Rus)

THIOSULFATES (D1)

R-factor transfer in selenite and tetrathionate broths. Gardner P, et al. Appl Microbiol 21:685-7, Apr 71

Metal-binding abilities of radioprotective organic thiosulfates. Foye WO, et al. J Pharm Sci 60:151-3, Jan 71

ANALYSIS

[Determination of thiosulfate clearance by an automatic method] Gos G, et al. Ann Biol Clin (Paris) 29:181-6, 1971 (Fre)

METABOLISM

Thiosulfate accumulation of rat renal cortex slices. Berndt WO. Biochim Biophys Acta 219:210-9, 1970

Do thiosulfate and sulfate utilize the same renal transport process? Berndt WO. Biochim Biophys Acta 219:220-6, 1970

Role of thiosulfate in bisulfite reduction as catalyzed by Desulfovibrio vulgaris. Findley JE, et al. J Bacteriol 103:741-4, Sep 70

PHARMACODYNAMICS

Inhibitory action of tetrathionate enrichment broth. Palumbo SA, et al. Appl Microbiol 20:970-6, Dec 70

Generation of reducing power in bacterial photosynthesis. Rhodopseudomonas palustris. Knobloch K, et al. Biochem Biophys Res Commun 43:834-9, 21 May 71

Inhibition of liver amylase synthesis by cyanide. Protective effects of methemoglobin and thiosulfate. McGeachin RL, et al. Biochem Pharmacol 19:863-7, Mar 70

[Effect of heavy metal complexes on adjuvant disease] Grimová J, et al. Fysiatr Reumatol Vestn 49:64-8, Apr 71 (Cze)

[Effect of various hydrocyanic acid antidotes on the heart muscle] Offterdinger H. Naunyn Schmiedebergs Arch Pharmakol 266:416, 1970 (Ger)

THERAPEUTIC USE

Some observations on the mechanism of tobacco amblyopia and its treatment with sodium thiosulphate. Phillips CI, et al. Trans Ophthalmol Soc UK 90:809-26, 1970

[Clinical trial of Otipax: auricular pulverizations] Lacher G. Rev Laryngol Otol Rhinol (Bord) 90:719-22, Nov-Dec 69 (Fre)

[Evaluation of antidotes to hydrocyanic acid] Schwarzkopf HA, et al. Arch Toxikol 27:111-23, 1971 (Ger)

[Experimental therapy of acute poisonings with propylene oxide] Beliaev VA, et al. Farmakol Toksikol 34:362-6, May-Jun 71 (Rus)

THIOSULFINIC ACIDS see under SULFINIC ACIDS (D1, D2)

THIOSULFONIC ACIDS see under SULFONIC ACIDS (D1, D2)

THIOSULFURIC ACID ESTERS see under SULFURIC ACIDS (D1, D2)

THIO-TEPA (D4)

ADMINISTRATION & DOSAGE

Intravesical thiotepa in the treatment of transitional cell bladder carcinoma. Mitchell RJ. Br J Urol 43:185-8, Apr 71

Intra-articular thio-tepa compared with depomedrol and procaine in the treatment of arthritis. Gristina AG, et al. J Bone Joint Surg [Am] 52:1603-10, Dec 70

Absorption studies on intraluminal thio-tepa for topical cytostatic treatment of low-stage bladder tumors. Lungimayr G, et al. J Urol 106:72-4, Jul 71

[Palliative treatment of ovarian cancers with the association of thiotepa and of 5-fluoro-uracil] Simon G, et al. Bord Med 4:1523-30, May 71 (Fre)

[Action of 2 antimitotics on larval cysts of Trichinella spiralis and their application to the treatment of experimental trichinosis] Grétillat S. C R Acad Sci [D] (Paris) 271:873-6, 7 Sep 70 (Fre)

[Effect of thiophosphamide on the incorporation of H3-thymidine into the DNA of cells of surviving transplantable tumor sections sensitive and resistant toward the agent] Merkulov MF, et al. Farmakol Toksikol 34:91-7, 1971 (Rus)

[Effect of thiophosphamide and 5-fluorouracil on the incorporation of H 3-thymidine into DNA of surviving ovarian cancer sections] Merkulov MF, et al. Farmakol Toksikol 34:220-8, 1971 (Rus)

[Extensive lymphadenectomy and perfusion chemotherapy in the treatment of pigmented skin tumors of the lower extremities] Kolesov VI, et al. Vestn Khir 104:68-73, Jun 70 (Rus)

[Experimental basis for the method of intra-arterial chemotherapy in laryngeal cancer] Paches AI, et al. Vestn Otorinolaringol 33:88-92, Jan-Feb 71 (Rus)

[The basis for regional chemotherapy in stomach cancer] Aleksandrov NN, et al. Vopr Onkol 16:72-80, 1970 (Rus)

[The results of treating inoperable parotid gland cancer with regional intra-arterial chemotherapy] Khodzhaev VG, et al. Vopr Onkol 17:82-5, 1971 (Rus)

[Local chemotherapy of bladder epitheliomas] Martinez-Piñeiro JA. Acta Oncol (Madr) 9:1-27, Jan-Jun 70 (Spa)

[Surgical treatment of uterine cancer and adjunct chemotherapy] Sirota IG. Pediatr Akush Ginekol 2:54-6, Mar-Apr 70 (Ukr)

ADVERSE EFFECTS

Acute erythromegakaryocytic leukaemia after treatment with cytostatic agents. Garfield DH. Lancet 2:1037, 14 Nov 70

[Effect of cystamine on cytogenetic changes in bone marrow cells and lymphocytes of the peripheral blood in patients with bronchial cancer treated with thio-TEPA] Drukin Ela, et al. Klin Med (Mosk) 48:48-52, Dec 70 (Rus)

ANALYSIS

[Microcrystalloscopic and spectrophotometric study of benzotepa and thiophosphamide] Pozdniakova VT, et al. Farm Zh 26:50-3, Jan-Feb 71 (Ukr)

METABOLISM

[Experimental animal and clinical studies of the absorption of trisaziridylthiophosphoric acid (Thio-Thepa) from the bladder] Lungimayr G, et al. Osterr Z Erforsch Bekaempf Krebskr 25:421-8, 1970 (Ger)

PHARMACODYNAMICS

Fertilization and early embryonic development subsequent to mating with TEPA-treated male mice. Joshi SR, et al. Genetics 65:483-94, Jul 70

[Trials to induce resistance thio-tepa in Musca domestica L. species] Combiescu I, et al. Arch Roum Pathol Exp Microbiol 29:295-8, Mar-Jun 70 (Fre)

[Effect of administration of thio-tepa and apholate on the longevity of adult Musca domestica L] Enescu A, et al. Arch Roum Pathol Exp Microbiol 29:289-93, Mar-Jun 70 (Fre)

[Prolongatoon of homotransplant viability under the influence of thio-TEPA and thio-TEPA combined with hydrocortisone] Bredikhin TF. Biull Eksp Biol Med 68:90-3, Aug 69 (Rus)

[Effect of thiophosphamide on the incorporation of H3-thymidine into DNA of cells of the surviving slices of sarcoma 298] Merkulov MF, et al. Farmakol Toksikol 33:598-602, Sep-Oct 70 (Rus)

[Use of "adrenaline test" for estimation of individual sensitivity of animals to antineoplastic agents] Khil'ko AS, et al. Fiziol Zh 16:351-6, May-Jun 70 (Ukr)

[Changes in zinc content in organs of rabbits under the effect of thiophosphamide] Savitskii IV, et al. Fiziol Zh 16:554-7, Jul-Aug 70 (Ukr)

[Changes in copper content in organs of rabbits under the effect of radiomimetic preparation thiophosphamid] Savitskii IV, et al. Fiziol Zh 14:545-9, Jul-Aug 68 (Ukr)

THERAPEUTIC USE

Instillation of thio-tepa (Tifosyl) in vesical papillomatosis. Edsmyr F, et al. Acta Radiol [Ther] (Stockh) 9:395-400, Oct 70

Use of triethylenethiophosphoramide as an adjuvant to the surgical treatment of gastric and colorectal carcinoma: ten-year follow-up. Dixon WJ, et al. Ann Surg 173:26-39, Jan 71

Intra-articular Thiotepa in rheumatoid disease. A clinical analysis of 123 injected MP and PIP joints. Ellison MR, et al. Arthritis Rheum 14:212-22, Mar-Apr 71

Topical treatment of psoriasis with triethylenethiophosphoramide (Thio-Tepa). Heydenreich G. Br J Dermatol 85:182-5, Aug 71

Pterygium: "thiotepa" versus beta radiation, a double-blind trial. Harrison M, et al. Trans Aust Coll Ophthalmol 1:64-6, 1969

[A patient with ovarian cancer metastasis cured (?) by cytostatic agents and died from acute myeloid leukemia] Sypkens Smit CG, et al. Ned Tijdschr Geneeskd 114:1629-3, 26 Sep 70 (Dut)

[Thio-tepa in the treatment of vesical papilloma] Quénu L. J Urol Nephrol (Paris) 77:628-9, Jul-Aug 71 (Fre)

[Personal experience with thio-tepa in the treatment of papillomas and superficial carcinomas of the bladder] Pellet A, et al. Ther Umsch 27:310-3, May 70 (Fre)

[A comparative quantitative study of the anti-leukemia activity of hexaphosphamide, various anti-leukemia preparations and x-rays] Khomchenovskiĭ EI. Biull Eksp Biol Med 65:90-3, Apr 68 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Comparative evaluation of thiphosphamide, cyclophosphane, methotrexate and 5-fluorouracil in the treatment of breast cancer] Sokolova VD, et al. Vestn Akad Med Nauk SSSR 26:59-65, 1971 (Rus)
[Experimental chemotherapy of human choroid melanobiastoma] Lisichkina-Nifantova TP. Vestn Oftalmol 2:66-9, 1971 (Rus)
[The effect of thiophosphamide on the ATP-ase activity of the strucuural and water-soluble proteins of Guerin carcinoma and its drug resistant variant] Kulik GI. Vopr Med Khim 16:348-51, Jul-Aug 70 (Rus)
[Resistance of malignant tumors to chemotherapeutic effects] Lazarev NV, et al. Vopr Onkol 16:40-4, 1970 (Rus)
[Use of vitamin B-15 in experimental tumor chemotherapy] Poliak NR. Vopr Onkol 16:57-9, 1970 (Rus)
[Prevention of dissemination of cervix neoplasms during surgery] Rizmukhamedova RS, et al. Vopr Onkol 16:74-7, 1970 (Rus)
[Treatment of chronic diseases of connective tissue by cytostatic drugs] Deicher H, et al. Rev Clin Esp 116:539-48, Mar 70 (72 ref.) (Spa)

THIOTHIXENE see under XANTHENES (D2)

THIOURACIL (D2, D8)

Reaction of thiouracil and thiouridine with 2-hydroxy-5-nitrobenzyl bromide. Sato E, et al. Biochim Biophys Acta 232:213-6, 11 Mar 71
The oxygen-mediated reaction between 4-thiouracil derivatives and bi- sulfite. Isolation and characterization of 1-methyluracil 4-thiosulfate as an intermediate in the formation of 1-methyluracil-4-sulfonate. Hayatsu H, et al. J Am Chem Soc 93:2301-6, 5 May 71
The biosynthesis of 4-thiouridylate. Separation and purification of two enzymes in the transfer ribonucleic acid-sulfurtransferase system. Abrell JW, et al. J Biol Chem 246:294-301, 25 Jan 71
Reaction of 2-thiouracils with formaldehyde under acidic conditions. Calligaris M, et al. J Org Chem 36:603-4, 26 Feb 71
Metal complexes of thiouracils. I. Stability constants by potentiometric titration studies and structures of complexes. Garrett ER, et al. J Pharm Sci 59:1383-96, Oct 70
[The photochemistry of polynucleotides. V. Studies on 4-thiouridine-containing polymers] Pochon F, et al. Biochim Biophys Acta 228:49-56, 1 Jan 71 (Fre)

ADVERSE EFFECTS

[Case of thyroid storm during administration of propylthiouracil in hyperthyroidism] Shimoda S, et al. Naika 26:1151-3, Dec 70 (Jap)
[Agranulocytosis. Analysis of 29 episodes in 19 patients] Ríos Sánchez I, et al. Rev Invest Clin 23:29-42, Jan-Mar 71 (Spa)

ANALYSIS

Four-thiouracil content of chicken liver mitochondrial transfer ribonucleic acid. Lalyre Y, et al. Biochem Biophys Res Commun 42:926-31, 5 Mar 71

METABOLISM

Study of placenta transfer of thiouracil derivatives. Hayashi TT, et al. Am J Obstet Gynecol 108:723-8, 1 Nov 70

PHARMACODYNAMICS

Effect of uracil and 2-thiouracil on leucocyte production in the rat. Timson J. Acta Haematol (Basel) 43:329-32, 1970
Retarded differentiation of the hypothalamic neurosecretory system in thiouracil treated chick embryos. Chandrasekhar K. Indian J Exp Biol 8:84-8, Apr 70
Cowpea chlorotic mottle virus local lesion area and infectivity increased by 2-thiouracil. Kuhn CW. Virology 43:101-9, Jan 71
[Histoenzymatic findings on the thyroid of normal rats or rats treated with thiouracil] Barone P, et al. Riv Anat Patol Oncol 33:201-14, 1968 (Ita)

THIOUREA (D2, D8)

2-amino-2-oxazoline formation by cyclization of 1-(2-hydroxyethyl)-2-methyl-2-thiopseudoureas. Klayman DL, et al. J Pharm Sci 59:1515-8, Oct 70
[N-ethenylthioureas] Eiden F, et al. Arch Pharm (Weinheim) 304:445-54, Jun 71 (Ger)
[Permeation of acetamide and thiourea through artificial lipid membranes and some epithelia] Gallucci E, et al. Boll Soc Ital Biol Sper 46:613-5, 15 Jul 70 (Ita)

ANALYSIS

Rotational isomerism in Bis-(p-(3-methyl-butyloxy)-phenyl)-thiourea. Csonka-Horvai J, et al. Z Naturforsch [B] 26:21-3, Jan 71
[Use of circular paper chromatography for the analysis of the fungicide 3,3'-ethylene-bis and its break down products] Bilibina VS. Gig Sanit 35:61-3, Feb 70 (Rus)

CHEMICAL SYNTHESIS

[Investigations of the synthesis and antiviral effects of adamantyl-1-thioureas] Kreutzberger A, et al. Tetrahedron Lett 56:4921-4, Dec 70 (Ger)
[Studies on chemotherapeutic agents against mycobacterium tuberculosis. XXVI. Synthesis and antituberculous activity of phenylthiourea, p-ethoxyphenylthiourea and 3-bromo-4-ethoxyphenylthiourea derivatives] Fujikawa F, et al. J Pharm Soc Jap 91:159-65, Feb 71 (Jap)

METABOLISM

Non-electrolyte permeability across Bufo bufo gali-bladder. Lippe C, et al. Comp Biochem Physiol 38:473-5, 1 Feb 71
[Permeability of trout (Salmo trutta fario) erythrocytes to non-electrolytes] Bolis L, et al. Boll Soc Ital Biol Sper 46:652-5, 15 Aug 70 (Ita)
[Permeation of thiourea and ethylene glycol through the isolated skin of Rana esculenta. Effects of changes of pH] Storelli C, et al. Boll Soc Ital Biol Sper 45:1601-2, 31 Dec 69 (Ita)

PHARMACODYNAMICS

The effect of urea and related compounds on the morphology and energy metabolism of erythrocytes. Szász I, et al. Acta Biochim Biophys Acad Sci Hung 5:309-11, 1970
Inhibitory effect of n-methyl-N(3-hydroxyphenyl)N'-benzylthiourea on multiplication of poliovirus in cell cultures. Shindarov L, et al. Acta Virol (Praha) 14:401-4, Sep 70
A study on the radioprotective property of thiourea against radiation-induced chromosome damage. Reddy SB. Can J Genet Cytol 12:685-8, Dec 70
Identification of teleost gonadotrope cells using methallibure (ICI 33, 828) and thiourea. Mackay NJ. Experientia 27:213-5, 15 Feb 71
Thyroid hormone effects on chick scale morphogenesis and keratinization. Lawrenz NK, et al. J Embryol Exp Morphol 24:65-71, Aug 70
Centrally acting cyclic urea, thiourea, and their N,N'-dialkyl derivatives. Structure--activity correlations. Hussain MH, et al. J Med Chem 14:138-44, Feb 71
[Effect of 2-amino-(isothioureyl methylene)-4-thiazole dihydrochloride (Agr 307) on biochemical, electrocardiographic and histological modifications of the rat myocardium caused by isoproterenol] Pavlovitchova H, et al. Agressologie 11:333-41, 1970 (Fre)
[Influence of thiourea on the glycogen content of the chick embryo] Daugéras N. J Embryol Exp Morphol 25:377-84, Jun 71 (Fre)
[Studies on the skin sensitization capacity of some isothiocyanates and 5-nitrothiophen derivatives in guinea pigs] Weuffen W, et al. Dermatol Monatsschr 156:585-92, 1970 (Ger)
[Studies on chemotherapeutic agents against mycobacterium tuberculosis. XXVI. Synthesis and antituberculous activity of phenylthiourea, p-ethoxyphenylthiourea and 3-bromo-4-ethoxyphenylthiourea derivatives] Fujikawa F, et al. J Pharm Soc Jap 91:159-65, Feb 71 (Jap)

THERAPEUTIC USE

[Treatment of urinary tract infections in gynecology with Sulfa-Dysural] Hartmann E. Munch Med Wochenschr 111:2386-7, 7 Nov 69 (Fre)

TOXICITY

[Experimental toxicology of the isothioureas] Petit L, et al. Poumon Coeur 26:893-4, 1970 (Fre)
[Skin-resorptive effect of thiourea and its dioxide] Kosova LV. Gig Sanit 35:31-4, Jul 70 (Rus)

THIRST (F1)

see also related
DEHYDRATION (C13)
WATER DEPRIVATION (F1)

Thirst--and brain control of water balance. Andersson B. Am Sci 59:408-15, Jul-Aug 71
Severe hypermetabolism with primary abnormality of skeletal muscle mitochondria. Haydar NA, et al. Ann Intern Med 74:548-58, Apr 71
Polydipsia and polyuria in whole-body irradiated rats: a comparison with "pair-fasted" animals. Scoppa P, et al. Arch Sci Biol (Bologna) 54:35-44, Jan-Mar 70
Adipsia and hypothermia after subarachnoid hemorrhage. Spiro SG, et al. Br Med J 3:411-2, 14 Aug 71
Role of salivary glands in response to thirst stimuli. Gutman Y, et al. Isr J Med Sci 6:573-5, Jul-Aug 70
Effects of hunger and thirst on sensitivity and reactivity to shock. Misanin JR, et al. J Comp Physiol Psychol 69:207-13, Oct 69
South Carolina Heart Association cardiovascular case of the month. An unusual presentation of acute myocardial infarction. Hendrix GH, et al. J SC Med Assoc 67:175, Apr 71
Ice chewing. Schorer CE. JAMA 216:1352, 24 May 71
Computer simulation of thirst and water balance. Toates FM, et al. Med Biol Eng 8:71-87, Jan 70
Adipsia in association with an arachnoid cyst. Bradley WG, et al. Neurology (Minneap) 21:930-6, Sep 71
Hypothalamic alpha- and beta-adrenergic systems regulate both thirst and hunger in the rat. Leibowitz SF. Proc Natl Acad Sci USA 68:332-4, Feb 71
Tongue cooling: a new reward for thirsty rodents. Mendelson J, et al. Science 170:1418-21, 25 Dec 70
[Physiology and pharmacology of thirst] Peters G, et al. Actual Pharmacol (Paris) 22:191-232, 1969 (Fre)
[Hyperosmolar diabetic coma with transitory adipsia and regressive acute diabetic neuropathy] Moulias R, et al. Anesth Analg (Paris) 28:297-301, Mar-Apr 71 (Fre)
[Effect of pancreatectomy on polyuro-polydipsia in the dog in diabetes insipidus] Baikset A, et al. C R Soc Biol (Paris) 164:665-7, 1970 (Fre)
[Role of the renin-angiotensin system in the production of thirst] Haefeli L, et al. J Urol Nephrol (Paris) 76:1011-3, Dec 70 (Fre)
[Medicolegal expertise in post-traumatic polyuro-polydipsic syndromes] L'Epée P, et al. Med Leg Domm Corper (Paris) 2:27-33, Jan-Mar 69 (Fre)
[Demonstration of serum ADH activities in hypophysectomy patients with polyuria and polydipsia and subjects with diabetes insipidus under the influence of an antidiuretically active psychotropic antiepilepticum (5-carbamyl-5-H-dibenzo-(b,f)azepin=Tegretal)] Frahm H, et al. Verh Dtsch Ges Inn Med 75:777-9, 1969 (Ger)
[Differential diagnosis of a case of polyuria and polydipsia] Niessner H, et al. Wien Klin Wochenschr 82:880-3, 4 Dec 70 (Ger)
[Adrenocortical activity of rats in a state of thirst and following radical dehydration by saluretics] Denk H, et al. Z Gesamte Exp Med 154:14-21, 1971 (Ger)
[Is the evaluation of Carter-Robbins test changed during pregnancy?] Retzke U, et al. Z Gesamte Inn Med 26:161-5, 1 Mar 71 (Ger)
[Changes in osmotic reactivity of the thirst mechanism under the influence of the increase in the volume of the circulating blood] Drzewiecki K. Acta Physiol Pol 21:749-55, 1970 (Pol)
[Distribution of acid mucopolysaccharides in the medullar layer of kidneys of the white rat during dry feeding and prolonged overheating] Dubynin TL. Biull Eksp Biol Med 67:91-4, 1969 (Rus)
[Chemical composition of beverages quenching thirst during overheating] Afanas'ev BG, et al. Voen Med Zh 7:43-8, Jul 70 (Rus)
[Urine culture after thirst] Brönnestam R, et al. Nord Med 85:779, 24 Jun 71 (Swe)

DRUG EFFECTS

Induction of hypovolaemia by thirst-inducing doses of renin or angiotensin II. Haefeli L, et al. Br J Pharmacol 42:25-30, May 71

THOMSEN'S DISEASE see MYOTONIA CONGENITA

(C3, C10)

THORACIC ARTERIES (A7)

Internal mammary arteriovenous fistula. Report of two cases and brief review of the literature. Rubino PJ, et al. Int Surg 55:404-10, Jun 71
[A case of Klippel-Trenauney-Weber syndrome with arteriovenous fistula in the region of the dorsal vertebrae and spinal cord compression] Krayenbühl H, et al. Neurochirurgia (Stuttg) 13:228-32, Nov 70 (Ger)

ABNORMALITIES

The lateral costal artery. Pellatt A. Cent Afr J Med 16:146-9, Jul 70
[Aortic arch syndrome malformative in origin] Nuzzaci G, et al. Riv Crit Clin Med 67:156-68, Apr 67 (Ita)

ANATOMY & HISTOLOGY

The lateral costal artery. Pellatt A. Cent Afr J Med 16:146-9, Jul 70
Anatomical and radiological studies of the left internal mammary artery. Wiechowski S. Pol Med J 9:1201-6, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DRUG EFFECTS

Action of catecholamines on blood flow through the mammary gland in unanesthetized lactating small ruminants. Houvenaghel A.
Arch Int Pharmacodyn Ther 186:190-1, Jul 70

PHYSIOLOGY

Drainage patterns of internal mammary artery implant flow and the effect of implant clamping on coronary sinus flow. Suma K, et al.
Ann Thorac Surg 10:462-7, Nov 70
Determinants of implant flow through internal mammary artery. Abel RM, et al.
Surg Forum 21:168-9, 1970

RADIOGRAPHY

Thoracic and abdominal arteriography in calves. Root CR, et al. Am J Vet Res 32:1193-205, Aug 71
[Contributions of the angioarchitecture of the female breast. Represented by methods of injections and x-ray-angiographic studies] Weitzel D, et al.
Z Anat Entwicklungsgesch 133:73-88, 1971 (Ger)
[Preformed polythylene catheters for selective angiography of the coronary arteries internal mammary arteries and aorto-coronary anastomosis by the femoral percutaneous technic] Bourassa MG, et al.
Arch Inst Cardiol Mex 40:771-81, Nov-Dec 70 (Spa)

SURGERY

Myocardial revascularization. Thomas TV.
Am Fam Physician 3:110-3, Jan 71
Arterial monitoring of the infant undergoing cardiac surgery. Technic of internal mammary artery monitoring. Van Heeckerrn DW, et al.
Am J Surg 121:749-51, Jun 71
Transthoracic ligation of intercostal arteries for arteriovenous malformations of the spinal cord. Post KD, et al. Ann Surg 173:152-6, Jan 71
Bypass grafting for occlusive disease of the coronary arteries: a report of experience with 195 patients. Spencer FC, et al. Ann Surg 173:1029-44, Jun 71
Treatment of angina pectoris by means of mammary-coronary anastomosis. Kolessov VI, et al.
Bull Soc Int Chir 28:366-71, May-Jun 69
Criteria for internal mammary artery implantation based on cine coronary arteriography. Bourassa MG, et al. Can Med Assoc J 103:720-3, 10 Oct 70
Present status of myocardial revascularization. Ochsner JL, et al.
J Miss State Med Assoc 12:337-43, Jul 71
The initial flow through an internal mammary artery implanted into the myocardium. Baird RJ, et al.
J Thorac Cardiovasc Surg 61:456-60, Mar 71
Myocardial revascularization--direct or indirect? Effler DB. J Thorac Cardiovasc Surg 61:498-500, Mar 71
Internal mammary artery implantation. Experimental and clinical analysis of the effects of implantation on the ischemic myocardium. Nonoyama A.
Jap Circ J 35:557-63, May 71
The clinical experience of the internal mammary artery implantation for ischemic heart disease. Tomita F.
Jap Circ J 35:555-6, May 71
Functional and morphological studies on intramyocardial internal mammary artery implants in the dog. William-Olsson G.
Scand J Thorac Cardiovasc Surg Suppl 6:1-24, 1970
Choice of saphenous vein segments for aortocoronary grafts. Green GE, et al. Surgery 69:924-7, Jun 71
[Median sternotomy in Vineberg's operation. Advantages and results] Courbier R, et al.
Ann Chir Thorac Cardiovasc 8:423-6, Oct 69 (Fre)
[1st results of revascularization of the myocardium in coronary insufficiency (Vineberg's operation)] Henry E, et al. Mem Acad Chir (Paris) 94:262-6, 1968 (Fre)
[Evaluation of the revascularization surgery of the myocardium in 85 patients] Castonguay Y, et al.
Union Med Can 99:2231-5, Dec 70 (Fre)
[Surgical attempts to revasculate the myocardium in case of obstruction of coronary arteries. Early clinical results after Vineberg operation] Bianchi T, et al.
Ann Ital Chir 45:401-40, 1969 (Ita)
[Indirect revascularization of the myocardium implantation of internal mammary artery; direct myocardial revascularization with grafting of the saphenous vein. (Indications, surgical technic, immediate and late results)] Favaloro R.
Fracastoro 63:725-39, Sep-Oct 70 (Ita)
[Ligation of the internal mammary arteries and myocardial infarct. (Long-term results)] Cecchini M.
Minerva Chir 25:1591-9, 15 Dec 70 (Ita)
[Current aspects in coronary surgery] Pascual JA.
Medicina (B Aires) 30:662-5, Nov-Dec 70 (Spa)
[Studies of the blood flow in revascularization of myocardium in animal experiments] Gabauer I, et al.
Bratisl Lek Listy 55:328-35, 1971 (Slo)

TRANSPLANTATION

Daily in vivo functional studies of internal mammary artery implants with metabolic and hemodynamic myocardial alterations. Barwinsky J, et al.
Ann Thorac Surg 10:533-47, Dec 70
Hemodynamics of the tunneled segment of a myocardial vascular implant. Selmonosky CA, et al.
Ann Thorac Surg 12:171-8, Aug 71
Drainage patterns of internal mammary artery implant flow and the effect of implant clamping on coronary sinus flow. Suma K, et al.
Ann Thorac Surg 10:462-7, Nov 70
Evaluation of the Vineberg procedure. Raftery EB, et al. Br Heart J 31:389, May 69
Internal mammary artery implantation for angina pectoris. Courbier R, et al.
J Cardiovasc Surg (Torino) 12:235-40, May-Jun 71
Determinants of implant flow through internal mammary artery. Abel RM, et al.
Surg Forum 21:168-9, 1970
[Assessment of myocardial revascularization procedures using internal mammary artery implantation (experimental study)] Danicico J, et al.
Ann Cardiol Angeiol (Paris) 20:37-9, Jan-Feb 71 (Fre)
[Patency of the internal mammary artery implanted into the myocardium of dogs] Sheiukhin VA, et al.
Arkh Anat Gistol Embriol 59:85-8, 1970 (Rus)

THORACIC DISEASES (C17)

Evaluating and improving a clerkship in chest medicine. Holcomb JD, et al.
Am Rev Resp Dis 103:120-2, Jan 71
Prinzmetal angina. Yeh BK, et al. Chest 58:396-8, Oct 70
Emotional aspects of chest diseases. Maher-Loughnan GP. Geriatrics 26:120-1 passim, Jun 71
Pulmonary amoebiasis or thoracic amoebiasis. Subramaniam R. Indian J Chest Dis 9:139-47, Jul 67
[Problems posed by thoracic wall localization of echinococcosis] Copin G, et al.
Ann Chir Thorac Cardiovasc 8:309-12, Jul 69 (Fre)
[Bilateral thoracic localization of Recklinghausen's neurofibromatosis] Straaten L van, et al.
J Med Lyon 50:1169-72 passim, 5 Sep 69 (Fre)
[Diagnosis and surgical treatment of a real intestinal diaphragmatic thoracic wall hernia (hernia abdominalis intercostalis)] Alff OE.
Chirurg 41:462-5, Oct 70 (Ger)
[Jeune's thoracic dystrophy] Midulla M, et al.
Minerva Pediatr 23:19-29, 7 Jan 71 (Ita)
[5 cases of intrathoracic goiter] Tonooka N, et al.
Naika 28:354-7, 1971 (Jap)
[Diagnosis and treatment of parapleuritis] Sushkov AK. Probl Tuberk 48:48-50, 1970 (Rus)
[Prinzmetal's angor with development towards myocardial infarct] Casamayor del Cacho M, et al.
Rev Esp Cardiol 24:107-13, Jan-Feb 71 (Spa)
[On a case of toxoplasmosis] Sanzol RN, et al.
Rev Sanid Milit Argent 68:119-27, Dec 69 (Spa)

CLASSIFICATION

[Classification and clinical aspects of thoracic wall processes] Gottschalk E, et al.
Bruns Beitr Klin Chir 217:577-88, Dec 69 (Ger)

COMPLICATIONS

Chest deformity, residual airways obstruction and hyperinflation, and growth in children with asthma. II. Significance of chronic chest deformity. Gillam GL, et al. Arch Dis Child 45:789-99, Dec 70
Chest deformity, residual airways obstruction and hyperinflation, and growth in children with asthma. I. Prevalence findings from an epidemiological study. McNicol KN, et al. Arch Dis Child 45:783-8, Dec 70
Pulmonary tuberculosis with noncommunicating chest wil abscess. Kleid JJ, et al.
NY State J Med 70:2993-5, 15 Dec 70
Pulmonary complications of thoracic endometriosis. Williams JB, et al. Proc Inst Med Chic 28:306, May 71
[Prinzmetal's angina. Apropos of a case complicated by myocardial infarct] Hardel M, et al.
Arch Mal Coeur 62:1267-74, Sep 69 (Fre)
[Prinzmetal's angina in a patient with silicosis and rheumatoid arthritis] Proto C, et al.
Minerva Cardioangiol 17:990-4, Nov 69 (Ita)

CONGENITAL

Andrea: a study in co-operation.
Nurs Times 67:133-7, 4 Feb 71
[Radiological chronicle of the Société Canadienne-Francaise de Radiologie] Ledoux R.
Union Med Can 97:641-2, May 68 (Fre)
[Asphyxiant thoracic dystrophy (Jeune syndrome). Clinical and medico-legal aspects] Carbonini M, et al.
Minerva Ginecol 21:1223-6, 30 Sep 69 (Ita)

DIAGNOSIS

Cervical mediastinoscopy and mediastinotomy. Vaughn CC, et al. Ariz Med 27:7-11, Aug 70
Meaningful clues and physical signs in chest disease. Dines DE, et al. Med Treat 7:821-39, Jul 70 (74 ref.)
Thoracic and abdominal pain originating in the vertebral axis. Sc[illegible] of physical diagnosis. Taylor TK. Nort[illegible] 69:67[illegible]85, Sep 70
Mediastinoscopy. [illegible] with [illegible]calene fat-pad biopsy. Boyd AD. [illegible] Med 71:[illegible]45-8, 15 Feb 71
[Classification and clinical aspects of thoracic wall processes] Gottschalk E, et al.
Bruns Beitr Klin Chir [illegible]577-88, Dec 69 (Ger)
[Pneumoscintigraphy in [illegible] study of pulmonary ventilation and perfusion [illegible]ctions] Cigorini F, et al.
Policlinico [Prat] 77:16[illegible]1, 24 [illegible]g 70 (Ita)
[Thoracic pain] Rev Bras [illegible]28:139-[illegible] Mar 71 (Por)
[Mediastinoscopy in the [illegible]ifferenti[illegible] diagnosis of diseases of the thoracic [illegible]vity] Va[illegible]ev NA, et al.
Probl Tuberk 49:44-7, [illegible]971 (Rus)
[Medical acute thorax. Acute patterns with pain and-or dyspnea] Palacio EJ.
Prensa Med Argent 58:289-94, 9 Apr 71 (Spa)
[Clinical and radiographic characteristics of processes in cardiophrenic angles] Rákay A.
Bratisl Lek Listy 54:360-70, Sep 70 (Slo)

ETIOLOGY

Esophageal perforations and chest complications. Craddock DR. Med Trial Tech Q 17:15-26, Sep 70
[Asphyxiating thoracic dystrophy (Jeune's syndrome): radiologic data] Fruchter Z, et al.
Pediatrie 24:717-22, Sep 69 (Fre)
[Thoracic manifestations during hematologic diseases] Thibault P. Presse Med 79:9-10, 2 Jan 71 (Fre)
[Thoracic pain in hiatal hernias. Problem of their relationship with angina pectoris] Bouhey J, et al.
Sem Hop Paris 46:2953-61, 26 Nov 70 (Fre)
[Thoracic pain, cough, hemoptysis and hypotension in a patient with lymph node metastasis from a papilliferous carcinoma]
Medicina (B Aires) 31:123-33, Mar-Apr 71 (Spa)

HISTORY

Diseases of the chest during the past twenty-five years. Heaf F. Br J Clin Pract 25:153-8, Apr 71
Moses Maimonides and diseases of the chest. (Maimonides M), Rosner F. Chest 60:68-72, Jul 71

OCCURRENCE

Intrathoracic complications following tracheotomy in children. Rabuzzi DD, et al.
Laryngoscope 81:939-46, Jun 71
[Endothoracic sarcoidosis in Spain] Almansa de Cara S.
Rev Clin Esp 115:417-20, 15 Dec 69 (Spa)

PATHOLOGY

[Comparative histologic and clinical studies in thoracic sarcoidosis] Beckert W, et al.
Z Erkr Atmungsorgane 132:157-61, 1970 (Ger)
[Intrathoracic meningocele] Szende B, et al.
Z Erkr Atmungsorgane 132:211-5, 1970 (Ger)

PHYSIOPATHOLOGY

[Continuous electrocardiographic recording in Prinzmetal's angina] Poggi L, et al.
Arch Mal Coeur 62:1241-66, Sep 69 (Fre)

PREVENTION & CONTROL

[Organization in each province of an Association of preventive social medicine. Proposed law Number 1316 drawn up by senators, Dr. Amato Berthet and Dr. Luigi Dalvit, and sent to the president of the Senate of the Republic on 13 August 1970]
Lotta Tuberc 40:360-5, Jul-Sep 70 (Ita)

RADIOGRAPHY

The roentgen manifestations of thoracic actinomycosis. Flynn MW, et al.
Am J Roentgenol Radium Ther Nucl Med 110:707-16, Dec 70
Roentgenographic measurements of diaphragmatic motion-respiratory compliance. Zanca P.
Am J Roentgenol Radium Ther Nucl Med 110:717-24, Dec 70
A two-year follow-up of pesons with non-tuberculosis chest disease found at "operation doorstep", Vancouver 1964. Mackenzie CJ.
Can Med Assoc J 103:1019-25, 1 Nov 70
Mass surveys by chest radiography.
Can Med Assoc J 103:1061, 1 Nov 70
Asphyxiating thoracic dystrophy (Jeune's syndrome). Radiological findings. Fruchter Z, et al.
Rom Med Rev 14:46-50, 1970
[On the interpretation of thoracic radiophotograph] Perdrizet S.
Bull Inst Nati Sante Rech Med 25:189-200, Mar-Apr 70 (Fre)
[A case of traumatic thoracic hernia] Rakonczay G, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:710-1, May 71 (Ger)
[Esophageal-thoracic fistula] Schuster H.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Fortschr Geb Roentgenstr Nuklearmed 112:835-6, Jun 70 (Ger)
[Aspects o thoracic radiography in rachitic children] Radice C, et al.
Minerva Pediatr 22:1834-8, 15 Sep 70 (Ita)
[Vascular abnormalities presenting images easily mistaken for other diseases in simple thoracic radiograms] Shigeta A.
Rinsho Hoshasen 16:83-98, Feb 71 (Jap)
[Radiological changes in chest organs in children in the course of collagen diseases] Winnicki S.
Pol Przegl Radiol 35:281-8, May-Jun 71 (Pol)
[On several diagnostic problems in the radiological syndrome of opaque hemithorax in children and adolescents] Macry V, et al.
Pediatria (Bucur) 20:61-72, Jan-Feb 71 (Rum)
[Method of sternum zonography] Pozmogov AI, et al.
Ortop Travmatol Protez 31:64-5, Nov 70 (Rus)

SURGERY

Empyema thoracis. Essentials of present-day management. Samson PC.
Ann Thorac Surg 11:210-21, Mar 71
Impedance plethysmography: a noninvasive means of monitoring the thoracic surgery patient. Van de Water JM, et al.
J Thorac Cardiovasc Surg 60:641-7, Nov 70
Polyglycolic acid suture in thoracic surgery. Takita H.
NY State J Med 70:2991-2, 15 Dec 70
Oxacillin in-vitro tests and its use in thoracic surgery. Kiss J, et al. Ther Hung 18:156-62, 1970
[Cardiovascular changes in patients following thoraco-pulmonary surgery] Raev D, et al.
Khirurgiia (Sofiia) 22:462-7, 1969 (Bul)
[Staphylococcal thoracic empyema in African children] Scoville A de. Chirurgie 96:784-90, 1970 (Fre)
[Diagnostic significance of simple radiological examinations of the chest under thoracico-surgical aspects] Hasche E.
Radiol Diagn (Berl) 11:299-314, 1970 (Ger)
[Necessity of a pressure-stable annuloorrhaphy in the surgical removal of an intrathoracic meningocele. (Case report)] Wenzl H, et al.
Thoraxchirurgie 19:73-5, Feb 71 (Ger)
[Urgent surgery of early childhood thoracic diseases] Zittel RX, et al.
Thoraxchirurgie 17:325-33, Aug 69 (Ger)
[Anesthesiologic problems in Risser's surgical spondylodesis] Dustmann HO, et al.
Z Orthop 108:184-91, Sep 70 (Ger)
[Neuroleptoanalgesia in thoracic surgery. (Considerations on 108 cases)] Balestra L, et al.
Acta Anaesthesiol (Padova) 20:Suppl 1:27-43, 1969 (Ita)
[The minimal instrumental findings in respiratory functional diagnosis in thoracic surgery] Pastore V, et al. Rass Int Clin Ter 50:393-7, 15 Apr 70 (Ita)
[Duration of the operation and the loss of blood and mortality rate connected with the surgical procedures on the thoracic cage] Dutkiewicz A, et al.
Pol Przegl Chir 42:1217-22, Aug 70 (Pol)
[Disorders of the coagulation and anticoagulation system of the blood in intrathoracic surgery] Gadzhiev SA, et al.
Grudn Khir 12:9-13, Jul-Aug 70 (Rus)
[Use of assisted artificial ventilation of the lung for prevention and correction of respiratory disorders at an early stage following thoracic surgery] Iurevich VM, et al. Grudn Khir 13:109-14, Jan-Feb 71 (Rus)
[Early roentgen diagnosis of pulmonary atelectasis in children subjected to surgery] Mamiliaev RM.
Grudn Khir 13:64-8, Mar-Apr 71 (Rus)
[Postoperative mortality following surgery of the lungs and pleura] Repin IuM, et al.
Grudn Khir 13:73-7, Mar-Apr 71 (Rus)
[Central hemodynamics in intrathoracic surgery] Shalimov AA, et al.
Grudn Khir 12:25-30, Nov-Dec 70 (Rus)
[Some related problems of pediatrics, otorhinolaryngology and pediatric thoracic surgery] Rokitskiĭ MR, et al. Pediatriia 49:57-61, Nov 70 (Rus)
[Pectus carinatum thorax. Its surgical treatment] Pataro VF, et al.
Prensa Med Argent 56:1573-80, 17 Oct 69 (Spa)

THERAPY

Application of electrotherapy to noncardiac thoracic disorders. Schechter DC.
Bull NY Acad Med 46:932-51, Nov 70

THORACIC DUCT (A7)

Chylgastrone: gastric secretory inhibitor in thoracic duct lymph of man and dog. Rosenthal WS, et al.
Am J Physiol 220:452-6, Feb 71
Post traumatic thoracic duct fistulae in the neck. Kapur TR. J Laryngol Otol 84:1163-6, Nov 70
[Technic of canulation of rat thoracic lymph duct] Hrubá A, et al. Cesk Fysiol 19:325-6, Feb 71 (Cze)
[Modality of treatment of thoracic duct fistula at the base of the neck] Ranga V, et al.
Lyon Chir 67:146-7, Mar-Apr 71 (Fre)
[Contrast media saving lymphography blockading the thoracic duct by means of an esophageal balloon sound] Hoffmann E, et al.
Zentralbl Chir 95:755-7, 20 Jun 70 (Ger)
[Preparation of human antilymphocyte serum from the lymph of the thoracic duct in patients with kidney diseases] Ambrogi F, et al.
Minerva Nefrol 18:15-20, Jan-Feb 71 (Ita)
[Lymphatic drainage by thoracic duct fistula and immunosuppressive therapy of post-streptococcal evolutive glomerular nephropathy in adults] Bonomini V, et al.
Minerva Nefrol 16:253-8, Jul-Aug 69 (Ita)
[Lymph drainage by an external fistula of the thoracic duct] Reggiani A, et al.
Minerva Nefrol 18:9-14, Jan-Feb 71 (Ita)
[Shock and the lymph in the thoracic duct] Hayashi S, et al. Jap J Anesthesiol 20:109-16, Feb 71 (Jap)
[Thoracic duct lymph in acute pancreatitis] Kochnev OS, et al. Biull Eksp Biol Med 71:31-3, Mar 71 (Rus)
[Immunochemical study of the rat thoracic duct lymph] Polushkina EF, et al.
Biull Eksp Biol Med 70:69-74, Oct 70 (Rus)
[Changes in the cellular composition of the rat thoracic duct lymph at different periods following antigen injection] Kartasheva AL, et al.
Tsitologiia 12:1570-4, Dec 70 (Rus)

ABNORMALITIES

Chylothorax in a dog with abnormal termination of the thoracic duct. Suter PF, et al.
J Am Vet Med Assoc 159:302-9, 1 Aug 71
[Thoracic duct and its variations. Lymphography studies] Wirth W, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:450-9, Apr 70 (Ger)

ANATOMY & HISTOLOGY

[40 dissections of the thoracic duct; its termination in the living human being] Archimbaud JP, et al.
Lyon Med 222:211-4, 27 Jul 69 (Fre)

CYTOLOGY

The density distribution of thymus, thoracic duct and spleen lymphocytes. Shortman K.
J Cell Physiol 77:319-30, Jun 71
[Immunologic studies on the omentum. V. Autoradiography studies of mesothelial proliferation in the drained thoracic duct or MMRI mice treated with antithymocyte serum] Krüsmann WF, et al.
Z Naturforsch [B] 25:1160-3, Oct 70 (Ger)
[On the ultrastructure of the lymphatic vessels of the rat. Mesenteric collectors and thoracic duct] Fruschelli C, et al.
Boll Soc Ital Biol Sper 46:809-12, 15 Oct 70 (Ita)

IMMUNOLOGY

Cytotoxic reactions of lymphocytes of blood, lymph node, and thoracic duct origin with monospecific anti-HL-A antisera. Patel R.
Transplantation 11:348-51, Mar 71
[Standardization of antilymphocyte serum] Balner H, et al. Progr Immunobiol Stand 4:214-24, 1970 (Fre)
[Therapy of chronic lymphocytic leukemia] Marmont A. Haematol Lat 12:711-42, Jul-Dec 69 (Ita)

INJURIES

[Iatrogenic chylothorax. (Etiopathogenetic and clinical considerations)] D'Amico D.
Acta Chir Ital 26:459-80, Nov-Dec 70 (Ita)
[The clinical picture and treatment of injuries to the thoracic duct] Georgadze AK.
Vestn Khir 106:99-102, Apr 71 (Rus)

METABOLISM

Chylomicron size and its relation to the composition of dietary fat in the rat. Sylvén C.
Acta Physiol Scand 79:516-22, Aug 70
The metabolism of injected 3 H-testosterone in thoracic duct lymph of male rats. Seiki K, et al.
Jap Circ J 35:633-7, Jun 71

PHYSIOLOGY

Effect of ethacrynic acid on thoracic duct lymph flow in the dog. Szwed JJ, et al. Am J Physiol 221:544-7, Aug 71
Pressure waves and gradients in the canine thoracic duct. Browse NL, et al.
J Physiol (Lond) 213:507-24, Mar 71
Studies on fat absorption in sheep with chronic fistulation of the thoracic duct. Harrison FA, et al.
J Physiol (Lond) 210:123P+, Sep 70
Experimental thoracic duct obstruction in dogs. Takashima T, et al. Jap Circ J 34:387-90, May 70
Thoracic duct lymph flow: a theoretical concept. el-Gendi MA, et al. Surgery 68:786-90, Nov 70
Early plasma protein recovery after total volume plasmapheresis in baboons. Osteen RT, et al. Surgery 69:276-83, Feb 71
[Effect of Esberiven forte on lymph flow in the human thoracic duct] Bartoš V, et al.
Med Klin 65:1701-3, 25 Sep 70 (Ger)
[Comparative study of lymph flow and lymph protein composition in the right and common thoracic ducts of dogs] Islamov II.
Biull Eksp Biol Med 70:7-9, Oct 70 (Rus)
[Effect of adrenal hormones on lymph circulation] Erzin MA, et al. Fiziol Zh SSSR 56:1857-8, Dec 70 (Rus)

PHYSIOPATHOLOGY

Protective effect of thoracic lymph diversion in hemorrhagic shock. Glenn TM, et al.
Am J Physiol 219:1305-10, Nov 70
[Lymphography of the thoracic duct and asubcutaneous absorption of I-131 albumin. Review of the relations between the lymphatic system and cardiopathies] Peláez Redondo J, et al.
Rev Esp Cardiol 23:213-36, Jun 70 (Spa)

RADIOGRAPHY

Radiology of the thoracic duct. Rosenberger A, et al.
Am J Roentgenol Radium Ther Nucl Med 111:807-20, Apr 71
[Absence of opacification of the thoracic canal during a left mediastinal sarcoma] Rousseau J, et al.
J Radiol Electrol Med Nucl 51:823-4, Dec 70 (Fre)
[Thoracic duct and its variations. Lymphography studies] Wirth W, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:450-9, Apr 70 (Ger)
[Intestinal passage of iodized oily contrast media and their demonstration in the thoracic duct of the cat] Reichel A, et al. Radiol Diagn (Berl) 11:1-7, 1970 (Ger)

SURGERY

Effect on ascites of thoracic duct fistula and of cervical lymphatic-venous shunt. Szabó G, et al.
Acta Med Acad Sci Hung 27:257-74, 1970
Human thoracic duct drainage. House AK, et al.
Br J Surg 57:849-50, Nov 70
Management of bleeding oesophageal varices by draining lymph from the thoracic duct. Datta DV, et al.
Gut 12:48-50, Jan 71
Thoracic duct drainage in the treatment of bleeding esophageal varices. Rigas A, et al.
J Cardiovasc Surg (Torino) 12:143-5, Mar-Apr 71
Chylous cystectomy with prosthetic reconstruction of the diaphragm and esophageal hiatus. Beasley WE 3d, et al. J Thorac Cardiovasc Surg 61:324-9, Feb 71
Long term thoracic duct-esophageal shunt: a new technique. Harvey J, et al.
Laryngoscope 81:1126-31, Jul 71
A simplified method for cannulation of the normal canine cervical thoracic duct. Witte CL, et al.
Lymphology 3:159-61, Dec 70
Immunosuppressive drugs and lymphatic depletion by thoracic duct fistula in adult progressive glomerulonephritis. Bonomini V, et al.
Nephron 7:389-99, 1970
Immunologic studies of prolonged thoracic duct cannulation in rats. Agnew HD, et al.
Surg Forum 21:270-2, 1970
Thoracic duct fistulas in man. Fish JC, et al.
Surg Gynecol Obstet 131:869-72, Nov 70
A technique for creating a thoracic duct shunt. Liljeqvist L, et al.
Surg Gynecol Obstet 132:896-7, May 71
Lymphovenous anastomosis in the management of portal hypertension. Bhalerao RA, et al.
Surgery 69:569-76, Apr 71
Pulmonary phycomycosis associated with lymphocyte depletion. Beathard GA, et al.
Tex Rep Biol Med 28:509-18, Winter 70
[Lymphatic circulation after obstruction of the thoracic duct in dogs (kinetic study by cineradiography: demonstration of portal and caval lymphovenous fistulas)] Piétri H, et al.
J Radiol Electrol Med Nucl 52:203-4, Mar-Apr 71 (Fre)
[Drainage of the thoracic canal in men before renal transplantation: technic, surveillance and results] Reviliard JP, et al.
J Urol Nephrol (Paris) 75:604-7, Sep 69 (Fre)
[Cannulation of the thoracic duct in the portal hypertension of liver cirrhosis] Fritsch A, et al.
Langenbecks Arch Chir 321:126-39, 1968 (Ger)
[The cervical lympho-venous anastomosis in the portal hypertension of liver cirrhosis] Fritsch A, et al.
Munch Med Wochenschr 112:1917-8, 16 Oct 70 (Ger)
[Lymph drainage in autoimmune diseases] Eckmann L, et al. Praxis 60:130-7, 2 Feb 71 (Ger)
[Thoracic duct cannulation and determination of temporary parameters of the lymphoid cell cycle: purpose of such studies in man] Wagner HP, et al.
Praxis 60:138-41, 2 Feb 71 (Ger)
[Cervical lympho-venous anastomosis in uncontrollable hemorrhage of esophageal varices] Ungeheuer E, et al. Thoraxchirurgie 17:525-8, Dec 69 (Ger)
[Ligation of the thoracic duct for melanoblastoma of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the lower extremities] Acconcia A, et al. Minerva Chir 25:1291-5, 15 Oct 70 (Ita)
[Biological premises, indications and limitations of external drainage of the thoracic duct in treatment of intestinal hemorrhage caused by chronic hepatic disease] Bevilacqua G, et al. Minerva Chir 25:153-66, 15 Feb 70 (Ita)
[Treatment of primary lymphatic edema of the extremities using a lympho-venous fistula] Politovski M, et al. Khirurgiia (Mosk) 22:121-4, Apr 69 (Rus)

THORACIC INJURIES (C14)

A case of total rupture of the right main bronchus after closed chest injury. Murray JF. Br J Anaesth 43:407-9, Apr 71
Chest trauma. Nacierio EA. Clin Symp 22:75-109, 1970
Nonpenetrating wounds of the heart and great vessels. Symbas PN. J Med Assoc Ga 60:95-6, Mar 71
Rupture of aorta and great vessels due to blunt thoracic trauma. DeMeules JE, et al. J Thorac Cardiovasc Surg 61:438-42, Mar 71
Crushed chest injuries: 80 cases. Wilkinson AE. S Afr J Surg 8:21-7, Jan-Mar 70
[Penetrating wounds of the chest] Cornet E, et al. Ann Chir Thorac Cardiovasc 10:243-7, Jul 71 (Fre)
[Serious factors in thoracic trauma] Rigueira L, et al. Laval Med 40:542-7, Jun 69 (Fre)
[Introduction to visceral traumatology] Schneider S. Rev Med Suisse Romande 89:829-39, Aug 69 (Fre)
[Evaluation and treatment of chest injuries and chest organs among multiple injuries] Heberer G. Langenbecks Arch Chir 322:268-84, 1968 (Ger)
[Fatal thoracic injury caused by the front-wheel-gear lever] Wojahn H. Monatsschr Unfallheilkd 74:90-3, Feb 71 (Ger)
[Our experience with thoracic injuries] Varoia F, et al. Minerva Chir 25:1174-97, 15 Sep 70 (Ita)
[Thoracic injuries] Jackiewicz Z, et al. Pol Tyg Lek 26:58-60, 11 Jan 71 (Pol)
[Thoracic injuries] Gruca Z, et al. Wiad Lek 24:7-14, 1 Jan 71 (Pol)
[Blood reinfusion] Belogurov VA, et al. Khirurgiia (Mosk) 46:118-9, Jun 70 (Rus)
[Heart and pericardial injuries in closed chest trauma] Ioffe IL, et al. Khirurgiia (Mosk) 46:23-8, Dec 70 (Rus)
[Splinter wound from the discharge of a blank from the Kalashnikov automatic rifle] Kozlov VA. Sud Med Ekspert 13:50-1, Apr-Jun 70 (Rus)
[Closed thoracic injury with injury to the trachea] Kozlov MA. Vestn Khir 105:113-5, Oct 70 (Rus)
[Thoracic injuries] Seoane de Lucas A. Rev Esp Anestesiol Reanim 17:643-56, Oct 70 (Spa)

COMPLICATIONS

Electrocardiographic changes in nonpenetrating trauma to the chest. Chung EK, et al. Acta Cardiol (Brux) 25:418-23, 1970
Diagnosis and treatment of respiratory failure after civilian trauma. Olcott C, et al. Am J Surg 122:260-8, Aug 71
Distal bullet embolism after gunshot wound of the chest: a case report. Painter MW, et al. Am Surg 37:106-8, Feb 71
Evidence of a "silent" bacillemia in primary tuberculosis. Stead WW, et al. Ann Intern Med 74:559-61, Apr 71
Traumatic left ventricular aneurysms after penetrating chest injury. Kakos GS, et al. Ann Surg 174:202-6, Aug 71
Traumatic retinal angiopathy resulting from chest compression by safety belt. Hoare GW. Br J Ophthalmol 54:667-9, Oct 70
Traumatic para-mediastinal air cysts. Hyde I. Br J Radiol 44:380-3, May 71
Internal mammary arteriovenous fistula. Report of two cases and brief review of the literature. Rubino PJ, et al. Int Surg 55:404-10, Jun 71
Ruptures and aneurysms of the thoracic aorta after blunt chest trauma. Heberer G. J Cardiovasc Surg (Torino) 12:115-20, Mar-Apr 71
Diaphragmatic hernia from penetrating thoracoabdominal injury in an infant. Johnson CF, et al. J Pediatr Surg 5:572, Oct 70
Rupture of the thoracic aorta following closed thoracic injury (a case report). Deodhar SD, et al. J Postgrad Med 16:163-6, Jul 70
Major abdominal and thoracic trauma associated with spinal cord injury: problems in management. Bricker DL, et al. J Trauma 11:63-75, Jan 71
Traumatic asphyxia in children: pathophysiology and management. Haller JA Jr, et al. J Trauma 11:453-7, Jun 71
An experimental study of "traumatic wet lung". Rutherford RB, et al. J Trauma 11:146-66, Feb 71
Acquired coronary artery fistula from nonpenetrating chest injury. Forker AD, et al. JAMA 215:289-91, 11 Jan 71
Successful repair of left ventricular aneurysm due to trauma. Pupello DF, et al. JAMA 211:826-7, 2 Feb 70
Pulmonary arteriovenous aneurysm. Thorsrud GK. Scand J Resp Dis [Suppl] 72:Suppl 72:149+, 1970
Roentgenographic evaluation of traumatic rupture of the aorta. Kirsh MM, et al. Surg Gynecol Obstet 131:900-4, Nov 70
Laceration of the lung following blunt trauma. Moghissi K. Thorax 26:223-8, Mar 71
Traumatic aorta to pulmonary artery fistula. Zajtchuk R, et al. Thorax 26:219-22, Mar 71
Acute myocardial infarction resulting from 'steering-wheel' injury of the chest. Chung DK, et al. W Va Med J 67:160-1, Jun 71
[Lung function following restoration of continuity of the major respiratory passages for traumatic bronchial rupture] Eijgelaar A, et al. Ned Tijdschr Geneeskd 114:2075-9, 12 Dec 70 (Dut)
[An acquired ventricular septal defect after blunt trauma of the thorax] Stigter JC, et al. Ned Tijdschr Geneeskd 115:712-4, 17 Apr 71 (Dut)
[A case of traumatic bronchial rupture] Wagenaar JP, et al. Ned Tijdschr Geneeskd 115:92, 9 Jan 71 (Dut)
[Interauriculo-ventricular communication and disorders in auriculoventricular conduction, due to closed injuries of the thorax. Surgical treatment] Leclerc JL, et al. Acta Chir Belg 69:561-72, Oct 70 (Fre)
[Thoracic injuries and their repercussions from the standpoint of disability] Verstraeten JM, et al. Acta Tubere Pneumol Belg 61:286-302, May-Aug 70 (Fre)
[Preventive treatment of acute renal insufficiency in patients with multiple injuries with thoracic injury involvement] Lareng L, et al. Anesth Analg (Paris) 27:951-60, Nov-Dec 70 (Fre)
[Traumatic rupture of the right hemidiaphragm after thoraco-abdominal contusion (7 cases)] Couraud L, et al. Ann Chir 23:211-7, Feb 69 (Fre)
[2 recent cases of traumatic rupture of the thoracic aorta surgically treated successfully in the 1st hours (isthmic rupture, brachiocephalic arterial trunk disinsertion)] Neveux JY, et al. Chirurgie 96:410-6, 1970 (Fre)
[Pulmonary hematoma] Bourdet P, et al. J Radiol Electrol Med Nucl 51:101-14, Mar-Apr 70 (Fre)
[An unusual complication of closed thoracic injuries: intercostal pulmonary hernia] Jaubert de Beaujeu M, et al. Lyon Chir 67:225-7, May-Jun 71 (Fre)
[Non-constrictive calcified pericarditis revealed 22 years after a thoracic trauma] Gallet M, et al. Lyon Med 224:931-5, 27 Dec 70 (Fre)
[Respiratory distress in thoracic injuries. Diagnosis and treatment] Robert J. Maroc Med 48:503-5, Aug-Sep 68 (Fre)
[Thoracic trauma in patients with chronic respiratory insufficiency] Ohresser P, et al. Mars Med 107:818-22, 1970 (Fre)
[2 cases of traumatic pulmonary hematoma] Poncet G, et al. Mars Med 107:832-5, 1970 (Fre)
[Post-traumatic tracheal and bronchial rupture. Therapeutic indications apropos of experience in 7 cases] Couraud L, et al. Presse Med 78:1823-6, 10 Oct 70 (Fre)
[Closed chest injuries of the heart and large vessels] Honoré D, et al. Rev Med Liege 26:85-90, 1 Feb 71 (Fre)
[Traumatic subclavian steal syndrome] Leicht E, et al. Fortschr Geb Roentgenstr Nuklearmed 112:629-33, May 70 (Ger)
[Traumatic chylothorax] Pierach CA, et al. Fortschr Geb Roentgenstr Nuklearmed 113:240-3, Aug 70 (Ger)
[Possibilities of surgical treatment of fractures during simultaneous thoracic trauma] Heymer G, et al. Hefte Unfallheilkd 99:39-43, 1969 (Ger)
[Thoracic and abdominal cavity injuries with open lumbar vertebral fractures and paraplegia] Dittmar FK. Langenbecks Arch Chir 322:1110-1, 1968 (Ger)
[Commotio cordis in the child] Isfort A. Monatsschr Unfallheilkd 72:409-16, Oct 69 (Ger)
[Respiratory disorders in blunt trauma of the thorax. Introduction and problems] Jenny H. Pneumonologie 143:263-6, 1970 (Ger)
[Pneumothorax] Nödl N. Pneumonologie 143:280-2, 1970 (Ger)
[Diaphragm injuries] Zängl A. Pneumonologie 143:282-7, 1970 (Ger)
[Traumatic indirect rupture of the mucous membrane of the oesophagus due to a fatal car accident] Kósa F. Z Rechtsmed 68:33-7, 1971 (Ger)
[Migrating projectile--migrating complaints] Takács L. Orv Hetil 112:806-8, 4 Apr 71 (Hun)
[On a case of repeated chronological association of thoracic trauma and acute pulmonary atelectasis (pulmonary cramp)] Di Renzo R. Atti Accad Fisiocrit Siena [Med Fis] 17:954-60, 1968 (Ita)
[Apparent deformation of the cardiovascular radiological shadow due to extracardiac causes in a closed thoracic injury] Lotto A, et al. Boll Soc Ital Cardiol 15:411-21, 1970 (Ita)
[Heart and trauma. Traumatic myocardial infarct in a football player] Barocelli C. Minerva Cardioangiol 18:390-9, Jun 70 (Ita)
[Functional reconstruction of fractured intrathoracic crachea] Sandri L, et al. Otorinolaringol Ital 37:375-87, Aug 69 (Ita)
[Symptomless rupture of the diaphragm complicated by secondary incarceration of the stomach] Wiechowski S. Pol Przegl Chir 43:119-21, Jan 71 (Pol)
[Case of myocardial necrosis following blunt trauma] Kędrowa S. Pol Tyg Lek 26:354-6, 8 Mar 71 (Pol)
[On several diagnostic problems in the radiological syndrome of opaque hemithorax in children and adolescents] Macry V, et al. Pediatria (Bucur) 20:61-72, Jan-Feb 71 (Rum)
[Acute pleuro-pericarditis after a thoracic stab wound] Goilav N, et al. Rev Med Chir Soc Med Nat Iasi 74:743-6, Jul-Sep 70 (Rum)
[Rupture of the bronchi in closed injury of the chest] Fedotkin DV, et al. Vestn Khir 103:126-7, Nov 69 (Rus)
[The clinical picture and treatment of injuries to the thoracic duct] Georgadze AK. Vestn Khir 106:99-102, Apr 71 (Rus)
[Complication of a thermal burn by anaerobic infection] Rubezhanskii IuA, et al. Vestn Khir 106:111-2, Apr 71 (Rus)
[Role of closed thoracic trauma in the appearance of several cardiac rhythm disorders] Brokhes LI. Voen Med Zh 9:29-30, Sep 70 (Rus)
[Traumatic rupture of the diaphragm in children] Popović S, et al. Srp Arh Celok Lek 98:485-90, Mar 70 (Ser)
[Bronchial rupture caused by contusion. Comments on 3 cases] Gimbatti J, et al. Prensa Med Argent 57:1151-4, 7 Aug 70 (Spa)
[Pleural pathology in thoracic injuries] Rohde FC, et al. Prensa Med Mex 36:69-73, Feb 71 (Spa)
[Traumatic angiopathy of the retina caused by thoracic compression] Sánchez Salorio M, et al. Rev Clin Esp 117:513-6, 15 Jun 70 (Spa)

DIAGNOSIS

Chest injuries: diagnosis and general considerations. Bickford BJ. Ann R Coll Surg Engl 48:8-9, Jan 71
Closed chest injuries, clinical features and treatment. Thompson DT. Cent Afr J Med 16:128-32, Jun 70
Delayed or missed diagnosis in blunt chest trauma. Blair E, et al. J Trauma 11:129-45, Feb 71
[Closed trauma of the thorax] Montoli E, et al. Minerva Med 61:4777-92, 24 Oct 70 (Ita)
[Emergency diagnosis of severe closed chest injuries] Vagner EA. Khirurgiia (Mosk) 46:67-72, Aug 70 (Rus)

DRUG THERAPY

The use of natural and artificial plasma volume expanders and the wet-lung syndrome. Gutteridge BH, et al. Med J Aust 1:1325-7, 19 Jun 71
[Analgesia in thoracic lesions. Use of pentazocine] Pellegrinet DC. Prensa Med Argent 57:352-5, Apr 70 (Spa)

ETIOLOGY

[Thoraco-abdominal injuries imputable to transthoracic heart massage. Apropos of 26 necropsic \ 'fications] Choffat P, et al. A. sth Analg (Paris) 28:385-92, Mar-Apr 71 (Fre)

METABOLISM

[Selected laboratory studies in experimental chest injuries in dogs] Grzybowski J, et al. Wiad Lek 24:613-8, 1 Apr 71 (Pol)

MORTALITY

[The closed thoracic trauma. Experience report on 1258 cases] Kappey F. Monatsschr Unfallheilkd 72:3-16, Jan 69 (Ger)

OCCURRENCE

The nature of seat belt injuries. Williams JS, et al. J Trauma 11:207-18, Mar 71
[Incidence of blunt thoracic trauma] Zifko B. Pneumonologie 143:267-71, 1970 (Ger)

PATHOLOGY

[Intrathoracic organ fixation by deep freezing] Saternus KS, et al. Z Rechtsmed 67:218-22, 1970 (Ger)

PHYSIOPATHOLOGY

Pathodynamics of blunt chest trauma: a preliminary report. Erickson DR, et al. Am Surg 36:717-20, Dec 70
Relationship of arterial blood gases and pulmonary radiographs to the degree of pulmonary damage in experimental pulmonary contusion. Erickson DR, et al. J Trauma 11:689-94, Aug 71
[Uniformity of the intrapulmonary distribution of inspired air studied with the single breath method] Janigro G. Riv Med Aeronaut Spaz 32:376-95, Jul-Sep 69 (Ita)

RADIOGRAPHY

A characteristic pulmonary finding in unilateral complete bronchial transection. Kumpe DA, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Am J Roentgenol Radium Ther Nucl Med 110:704-6, Dec 70
Value of myelography in thoracic spinal cord injuries. Cantu RC. Int Surg 56:23-6, Jul 71
Rupture of a mediastinal vein detected by 131-I-MAA scanning. Bachynski JE. J Can Assoc Radiol 22:58-9, Mar 71
Arteriographic demonstration of rupture of the aorta and its brachiocephalic vessels. Fu WR. J Can Assoc Radiol 22:55-7, Mar 71
[Closed chest traumatic intrapulmonary hemorrhages: hematic cysts and diffuse hematomas] Charpin J, et al. Poumon Coeur 25:17-29, 1969 (Fre)
[Postmortem radiography with the aid of a field x-ray machine] Fischer H, et al. Fortschr Geb Roentgenstr Nuklearmed 113:535-7, Oct 70 (Ger)
[Undiagnosed sternal fracture resulting from an accident] Hoffmann G. Hefte Unfallheilkd 99:284-5, 1969 (Ger)
[Clinico-radiographical findings in post-traumatic pulmonary hematoma] Ravarzoni C, et al. Radiol Med (Torino) 55:7-15, Jan 69 (Ita)
[Lung lesions with traumatic fractures of the ribs (x-ray observations)] Vol'-Epshtein GL, et al. Grudn Khir 13:91-3, Mar-Apr 71 (Rus)

SURGERY

Treatment of thoracoabdominal gunshot wounds in civilian practice. Experience with forty-four cases. Borja AR, et al. Am J Surg 121:580-2, May 71
Thoracic injuries in combat casualties in Vietnam. McNamara JJ, et al. Ann Thorac Surg 10:389-401, Nov 70
Surgical indications in chest trauma. Mackenzie JW. J Med Soc NJ 68:123-5, Feb 71
Management of massive thoraco-abdominal wall defect from close-range shotgun blast. Carrasquilla C, et al. J Trauma 11:715-7, Aug 71
The management of wounds of the innominate, subclavian and axillary arteries. Murray GF, et al. Rev Surg 28:296-8, Jul-Aug 71
Maintenance of chest wall stability: a further report. Le Roux BT, et al. Thorax 26:434-8, Jul 71
[Anesthesia in patients with thoracic injuries] Irrmann-Rapp C, et al. Anesth Analg (Paris) 27:961-9, Nov-Dec 70 (Fre)
[Value of longitudinal median sternotomy in the treatment of severe injuries and contusions of the chest] Contamin C, et al. Ann Chir Thorac Cardiovasc 10:213-7, 1971 (Fre)
[Flail chest, rupture of the trachea and tear of the middle lobe. Thoracotomy 2 hours later. Recovery] Latreille R, et al. Ann Chir Thorac Cardiovasc 10:219-21, 1971 (Fre)
[Chest wounds. Must we revise our therapeutic notions?] Couraud L, et al. Bord Med 4:1105-11, Apr 71 (Fre)
[Pleuropulmonary and duodenopancreatic wounds with section of the common bile duct and transfixion of the inferior vena cava followed by massive pulmonary embolism on the 17th day. Favorable course after pulmonary embolectomy] Lagache G, et al. Chirurgie 97:245-53, 1971 (Fre)
[Thoracotomy in severe closed injuries of the thorax] Dor V, et al. Lyon Chir 65:807-16, Jul-Aug 69 (Fre)
[Anatomic bases of transcutaneous presternal fixation-suspension; its value in treatment of various anterior flail chests] Neidhardt JH, et al. Lyon Med 222:561-3, 12 Oct 69 (Fre)
[Vacuum extractor in surgery] Beine E. Maroc Med 49:686-92, Dec 69 (Fre)
[Suicidal two-cavity gunshot injuries] Nolte WJ, et al. Chirurg 41:521-2, Nov 70 (Ger)
[The indications for operation in splinter wounds of the lungs] Lick RF, et al. Munch Med Wochenschr 113:554-7, 9 Apr 71 (Ger)
[Traumatic injuries to the chest wall from blunt objects] Rehn J. Munch Med Wochenschr 113:541-3, 9 Apr 71 (Ger)
[Open and perforating wounds of the thorax] Weber R. Munch Med Wochenschr 113:547-53, 9 Apr 71 (Ger)
[Indirect diaphragm ruptures in children. Two-time course of an intrathoracic prolapse] Kageler RG. Zentralbl Chir 96:488-92, 3 Apr 71 (Ger)
[Symposium: emergency treatment of severe trauma of the thoracic and abdominal region] Shibuya K, et al. Iryo 24:Suppl:190-6, 1970 (Jap)
[Surgical tactics in thoraco-abdominal wounds in peace time] Arapov DA, et al. Khirurgiia (Mosk) 46:73-7, Aug 70 (Rus)
[Treatment of penetrating wounds of the chest and abdomen in a rural regional hospital] Girsh LA. Klin Khir 4:71-2, 1971 (Rus)

THERAPY

Treatment of penetrating gunshot wounds of the chest. Experience with one hundred forty-five cases. Borja AR, et al. Am J Surg 122:81-4, Jul 71
The treatment of major chest trauma in a research facility. Hankins JR, et al. Am Rev Resp Dis 103:492-502, Apr 71
Management of a case of crushed chest and multiple fractures who developed fat embolism on the thirteenth day. Cozanitis DA. Anaesthesist 20:41-2, Jan 71
Chest injuriesat th intesive care unit of an accident hospial. A two-year series. Kataja J, et al. Ann Chir Gynaecol Fenn 59:214-7, 1970
Management of chest injuries. Waddington JK. Ann R Coll Surg Engl 48:10-1, Jan 71
The treatment of anterior chest wall injuries. Jeffery RM. Br J Surg 57:667-9, Sep 70
Closed chest injuries, clinical features and treatment. Thompson DT. Cent Afr J Med 16:128-32, Jun 70
The management of shotgun wounds. Bell MJ. J Trauma 11:522-7, Jun 71
The management of chest problems in the intensive care unit. Kaiser GA, et al. Med Clin North Am 55:1301-13, Sep 71
Chest injury. Factors influencing management and outcome. James O, et al. Med J Aust 1:725-30, 3 Apr 71
Management of thoracic trauma. McManus WF, et al. Nebr State Med J 56:106-9, Mar 71
Recognizing and managing flail chest. Youmans CR Jr, et al. Postgrad Med 48:87-93, Oct 70
[Current concepts in the treatment of chest injuries] Bickford BJ. Cas Lek Cesk 110:667-9, 16 Jul 71 (Cse)
[Flail chest] Cah Anesthesiol 18:991+, Dec 70 (Fre)
[Considerations on the treatment of 102 cases of mobile thoracic flaps] Chadenson O, et al. Lyon Med 225:425-35, 14 Mar 71 (Fre)
[The management of closed and open injuries of the chest and abdominal cavity in a general hospital] Bumm HW. Monatsschr Unfallheilkd 72:361-7, Sep 69 (Ger)
[Respiratory disturbances in blunt thoracic trauma. Results of respirator ventilation] Benzer H, et al. Pneumonologie 143:295-8, 1970 (Ger)
[Artificial respiration and tracheotomy in the treatment of severe thoracic trauma] Elsterer H. Pneumonologie 143:292-4, 1970 (Ger)
[Typical errors in primary management of trauma] Haid B. Pneumonologie 143:271-5, 1970 (Ger)
[Management of penetrating wounds of the chest] Romanoff H, et al. Harefuah 77:329-31, 15 Oct 69 (Heb)
[Resuscitation after serious bilateral thoracic-pulmonary injuries] Achilli M, et al. Acta Anaesthesiol (Padova) 20:817-23, Jul-Aug 69 (Ita)
[Resuscitation in a severe closed injury of the thorax with multiple rib fractures, fluctuating thoracic flap, bilateral pneumothorax, hemothorax, hemomediastinum, submucosal rupture of the trachea with subsequent cicatricial stenosis] Morellato R, et al. Minerva Anestesiol 35:745-8, Jul 69 (Ita)
[Therapeutic management of severe thoracic injuries at the Intensive Care Unit, Leicester Royal Infirmary in England] Marquardt B. Pol Tyg Lek 26:170-3, 1 Feb 71 (Pol)
[Case of successful resuscitation in a gunshot wound of the chest and lungs with injuries to the mediastinum and left superior pulmonary vein] Chukhrienko DP, et al. Grudn Khir 12:110-1, Nov-Dec 70 (Rus)
[Results of treatment of thoracic trauma in peace time] Ivanov SS, et al. Grudn Khir 12:92-5, Nov-Dec 70 (Rus)
[Organization of medical service at evacuation stages in penetrating wounds of the chest] Sheliakhovskiĭ MV. Voen Med Zh 11:10-4, Nov 70 (Rus)
[Some principals for action at thoracic-surgical intensive care departments] Westerholm CJ. Nord Med 84:1219-20, 17 Sep 70 (Swe)

VETERINARY

Thoracoabdominal missile wound in a dog. Grier RL, et al. J Am Vet Med Assoc 159:171-4, 15 Jul 71

THORACIC NEOPLASMS (C2)

Parasternal chest wall involvement in Hodgkin's disease. Goldman JM. Chest 59:133-7, Feb 71
[Lymphangiomyomatosis syndrome] Ardichvili D, et al. Ann Anat Pathol (Paris) 15:307-20, Jul-Sep 70 (Fre)
[A case of intercostal neurinoma] Razafindrazaka, et al. Ann Chir Thorac Cardiovasc 8:483-5, Oct 69 (Fre)
[Thoracic metastasis of thyroid cancer in adults (apropos of 35 cases)] Lamy P, et al. J Fr Med Chir Thorac 23:805-25, Sep-Oct 69 (Fre)
[Several cases of unusual neurogenic tumors located in the thoracic cavity] Oosterwijk WM, et al. Poumon Coeur 26:571-88, 1970 (Fre)
[Malignant thoracic metastasizing melanoma with pleural effusion in a dog] Kasbohm C. Berl Munch Tieraerztl Wochenschr 82:485-6, 15 Dec 69 (Ger)
[Tumors of the thoracic wall] Jenny H, et al. Med Monatsschr 25:263-4, Jun 71 (Ger)
[Considerations on 2 cases of neurogenic tumor of the intrathoracic vagus] Boario U, et al. Cancro 21:573-94, 1968 (Ita)
[On a large thoracic sympathoblastoma in a 2-year-old girl] Rescaldani R, et al. Folia Hered Pathol (Milano) 17:203-8, Oct 68 (Ita)
[Intrathoracic neurogenic tumors (report of 4 cases)] Torrielli A, et al. Pathologica 61:397-405, Nov-Dec 69 (Ita)
[Case of recurrent thymoma of the thoracic cavity] Taketani H, et al. Jap J Thorac Surg 24:367-9, May 71 (Jap)

CLASSIFICATION

[Classification and clinical aspects of thoracic wall processes] Gottschalk E, et al. Bruns Beitr Klin Chir 217:577-88, Dec 69 (Ger)

COMPLICATIONS

[Cystic lymphangioma of the mediastinum; late development in comparison with previous lymphangioma of the thoraco-abdominal wall] Thevenet A, et al. Mars Med 107:784-7, 1970 (Fre)
[Thyreotoxic crisis in thyroid neoplasm] Raith L, et al. Internist (Berlin) 11:146-8, Apr 70 (Ger)
[Chromosome analysis in cytodiagnosis of pleural effusions caused by intrathoracic malignant neoplasms] Messinetti S, et al. Arch Chir Torac Cardiovasc 26:35-50, Jan-Apr 70 (Ita)
[On paraneoplastic syndromes 9with special reference to endothoracic tumors] Caputi M, et al. Arch Monaldi 25:380-424, Sep-Oct 70 (240 ref.) (Ita)
[Study of peripheral nerve conduction and neuromuscular transmission in subjects with intrathoracic malignant neoplasms] Brignolio F, et al. Minerva Med 61:5910-4, 22 Dec 70 (Ita)
[Diagnostic and therapeutic problems in malignant effusions and chyliothorax] Berkman AT, et al. Turk Tip Cemiy Mecm 36:259-77, May 70 (Tur)
[Acute osteoarthropathy as an accompanying sign of subpleural lipoma] Zuffa M, et al. Bratisl Lek Listy 54:346-9, Sep 70 (Slo)

DIAGNOSIS

Supraclavicular masses. Meyerhoff WL. Arch Otolaryngol 93:221, Feb 71
[Hodgkin's disease localized in the thorax and apparently primary] Leblanc G, et al. Acta Tuberc Pneumol Belg 60:7-18, Jan-Feb 69 (Fre)
[Pulmonary scintigraphy in intrathoracic tumors] Robillard J, et al. J Radiol Electrol Med Nucl 51:299-301, May 70 (Fre)
[Lymphatic scintigraphy of certain thoracic lymph node groups as a diagnostic method] Sawas-Dimopoulou C, et al. J Radiol Electrol Med Nucl 52:253-64, May 71 (Fre)
[Cytology of some unusual nonepithelial, intrathoracic neoplasms] Atay Z. Beitr Klin Erforsch Tuberk Lungenkr 141:352-61, 1970 (Ger)
[Classification and clinical aspects of thoracic wall processes] Gottschalk E, et al. Bruns Beitr Klin Chir 217:577-88, Dec 69 (Ger)
[Tumorous, pseudosarcomatous lesions of the striated muscle "proliferative myositis"] Szücs L. Zentralbl Allg Pathol 114:239-44, 1971 (Ger)
[Mediastinoscopy in the differential diagnosis of diseases of the thoracic cavity] Vasil'ev NA, et al. Probl Tuberk 49:44-7, 1971 (Rus)

DRUG THERAPY

[40 cases of advanced thoracic cancer: 1 to 3 years' of outpatient therapy with an association of cytostatics] Israel L, et al. J Fr Med Chir Thorac 23:175-85, Feb-Mar 69 (Fre)
[Polychemotherapy of thoracic tumors: perspectives in relation to recent information on cellular kinetics] Mannas P, et al. J Fr Med Chir Thorac 23:187-98, Feb-Mar 69 (Fre)
[Polychemotherapy of primary and secondary thoracic tumors. Functional view of new knowledge of cellular kinetics] Mannes P. J Sci Med Lille 87:639-51, Nov 69 (Fre)

FAMILIAL & GENETIC

The chromosomal aberration of double-minutes in a human embryonic rhabdomyosarcoma. Granberg I, et al. Acta Cytol (Baltimore) 15:42-5, Jan-Feb 71

RADIOGRAPHY

Benign vascular shadows in chest X-rays. Thomas TV. Geriatrics 26:134-9, Mar 71
A pulsating anterior chest mass. A radiographic exercise. Tamisiea DF, et al. Mo Med 68:103-5 passim, Feb 71
[15 years of tracking through radiophotography, as regards tumoral films of the thoracic area] Niveau J, et al. Arch Mal Prof 31:557-62, Oct-Nov 70 (Fre)
[Systematic radiologic detection of gastrointestinal and thoracic cancers] Gallina MF. J Radiol Electrol Med Nucl 51:163-8, Mar-Apr 70 (Fre)
[Endothoracic metastases of testicular cancer (96 cases)] Garreta L, et al. J Radiol Electrol Med Nucl 51:361-8, Jun-Jul 70 (Fre)
[Manifestations of reticulum cell sarcoma in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thoracic region] Wolf M, et al.
Dtsch Gesundheitsw 25:2209-12, 19 Nov 70 (Ger)
[Radiological aspects of a thoracic ganglioneuroma of exceptional volume and its surgical removal] Campanati A, et al.
Ann Radiol Diagn (Bologna) 43:43-55, 1970 (Ita)
[Symposium: x-ray diagnosis of tumor-like image of the thoracic region] Imaoka M, et al.
Iryo 24:Suppl:374-8, 1970 (Jap)
[Method of sternum zonography] Pozmogov AI, et al.
Ortop Travmatol Protez 31:64-5, Nov 70 (Rus)
[Azygography in the diagnosis of tumors of thoracic organs] Rakitianskaia VN.
Vestn Khir 103:25-6, Nov 69 (Rus)

RADIOTHERAPY

[Scintigraphic and radiologic comparisons after radiotherapy of intrathoracic tumors] Karparov M, et al.
J Radiol Electrol Med Nucl 52:167-72, Mar-Apr 71 (Fre)
[Heart injury caused by tumor irradiation in thoracic region] Klemm J, et al.
Strahlentherapie 139:410-7, Apr 70 (Ger)

SURGERY

Primary chest wall tumors. Threlkel JB, et al.
Ann Thorac Surg 11:450-9, May 71
Chondrosarcoma of sternum. Report of a six-year survival. Peabody CN.
J Thorac Cardiovasc Surg 61:636-40, Apr 71
Reconstruction of the chest wall. Froyzaker T, et al.
Scand J Thorac Cardiovasc Surg 4:183-6, 1970
Total scapulectomy for soft part tumor of the shoulder girdle. Ramirez J, et al. Surgery 69:271-5, Feb 71
Maintenance of chest wall stability: a further report. Le Roux BT, et al. Thorax 26:424-8, Jul 71
[Prosthetic reconstruction of the thoracic wall] Andreassian B, et al.
Ann Chir Thorac Cardiovasc 8:487-91, Oct 69 (Fre)
[Repair of thoracic wall defects. Apropos of 26 cases] Chainot P, et al.
Ann Chir Thorac Cardiovasc 8:805-8, Jul 69 (Fre)
[Chest wall neoplasms. Experiences in 138 surgical cases] Junginger T, et al.
Klin Wochenschr 49:628-34, 1 Jun 71 (Ger)
[Surgical treatment of primary tumors of the thoracic wall] Boltri F, et al. Cancro 21:551-72, 1968 (Ita)
[Case of large leiomyosarcoma of the chest wall] Watanabe Y, et al.
Jap J Thorac Surg 23:834-8, Nov 70 (Jap)
[Alloplasty of defects of the abdominal and thoracic walls with plastic materials following removal of tumors] Kotsiubinskii IG.
Khirurgiia (Mosk) 45:41-6, Sep 69 (Rus)
[Results of the treatment of cancer of the thoracic esophagus by various surgical methods] Sil'vestrov VS. Klin Khir 6:4-7, Jun 70 (Rus)
[Successful removal of a tumor located simultaneously in the retroperitoneal space and thoracic cavity in a 7-year-old child] Kiselev AV.
Vopr Okhr Materin Det 15:83-4, Sep 70 (Rus)

THORACIC NERVES (A8)

A technique for intercostal nerve block after thoracotomy. Bryant LR, et al.
Ann Thorac Surg 11:388-91, Apr 71
[Some autonomic tests in thoracic sympathetic trunculitis] Sokolov VA.
Zh Nevropatol Psikhiatr 70:999-1001, 1970 (Rus)

ANATOMY & HISTOLOGY

[Findings on the innervation of the levator rib muscles] Furlani J, et al.
Hospital (Rio de J) 78:555-8, Aug 70 (Por)

EMBRYOLOGY

The internal thoracic (mammary) nerve. Pearson AA, et al. Thorax 26:354-6, May 71

GROWTH & DEVELOPMENT

[On the development of the thoracic nervous and muscular systems of Apis mellifica L. (Hymenoptera)] Schwager-Hübner M.
Rev Suisse Zool 77:807-49, 1970 (Ger)

PHYSIOLOGY

Segmental integration of converging inputs to thoracic respiratory motoneurones. Aminoff MJ, et al.
J Physiol (Lond) 208:76P-77P, Jun 70
Medullary activation of intercostal fusimotor and alpha motoneurones. Andersen P, et al.
J Physiol (Lond) 209:739-55, Aug 70
Spinal sympathetic reflexes initiated by coronary receptors. Brown AM, et al.
J Physiol (Lond) 212:685-705, Feb 71
The form and distribution of the surface evoked responses in cerebellar cortex from intercostal nerves in the cat. Coffey GL, et al.
J Physiol (Lond) 212:129-45, Jan 71
Spinal and supraspinal components of the reflex discharges into lumbar and thoracic white rami. Sato A, et al. J Physiol (Lond) 212:839-50, Feb 71
Spinal integration of cortical, brainstem, and segmental inputs to thoracic respiratory motoneurons. Sears TA, et al. Neurology (Minneap) 20:384, Apr 70
[Activity in intercostal alpha- and gamma-efferent axons during reflex respiratory arrest by p-chlorophenylbiguanide or 5-hydroxytryptamine] Schmidt T, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:442-3, 1970 (Ger)

PHYSIOPATHOLOGY

[Segmental and suprasegmental mechanisms of the protection phenomenon at the thoracic level of the spinal cord] Sergeeva LN, et al.
Biull Eksp Biol Med 69:44-7, Apr 70 (Rus)

SURGERY

[Cervico-thoracic sympathectomy by transaxillary approach (Atkins' operation)] Benedini M.
Mem Acad Chir (Paris) 95:728-32, 1969 (Fre)
[Supraclavicular sympathectomy in Raynaud's disease] Tiunder EO, et al. Vestn Khir 105:123-4, Aug 70 (Rus)

THORACIC RADIOGRAPHY (E1)

Size, location, and gravitational changes of normal upper lobe pulmonary veins. Burko H, et al.
Am J Roentgenol Radium Ther Nucl Med 111:687-9, Apr 71
Pulmonary sling. Roentgen observations. Capitanio MA, et al.
Am J Roentgenol Radium Ther Nucl Med 112:28-34, May 71
Screening by chest photofluorography in Los Angeles. The minifilm circa 1970. Discher DP, et al.
Arch Environ Health 22:92-105, Jan 71
The plain chest radiograph in congenital heart disease. Jefferson K. Br J Radiol 43:753-70, Nov 70
Timing of chest x-ray exposures in relation to the cardiac cycle. Norman J, et al. Br J Radiol 44:554, Jul 71
Radiographic confirmation of site of central venous pressure catheters. Deitel M, et al.
Can J Surg 14:42-52, Jan 71
Benign vascular shadows in chest X-rays. Thomas TV.
Geriatrics 26:134-9, Mar 71
Screening of chest roentgenograms by advanced roentgen technologists.
Invest Radiol 6:76-8, Jan-Feb 71
A guide to selection of surgical candidate of the pure chronic rheumatic mitral stenosis based upon hemodynamic parameters and roentgenographic findings of the pulmonary vasculature. Lien WP.
J Formosan Med Assoc 69:202-19, 28 Apr 70
Roentgen examination of the chest and blood gas studies in the post-operative period. Molnar I, et al.
J Oslo City Hosp 20:125-34, Sep 70
The complete border sign of breast augmentation. Ellis R, et al. JAMA 216:522, 19 Apr 71
Monitoring value of serial chest x-ray examinations with portable equipment. Morton A, et al.
Med J Aust 1:157-8, 16 Jan 71
Radiologic evaluation of the lung transplant. Tsai SH, et al. Minn Med 54:265-8, Apr 71
Clinicopathologic conference: backache and abnormal findings on chest films. Bruno MS, et al.
NY State J Med 70:2692-702, 1 Nov 70
Radiographic measurement of thoracic gas volume. Greene R.
Radiol Clin North Am 9:63-71, Apr 71 (11 ref.)
Radiation dosimetry in full-chest tomography. Buchignani JS, et al. Radiology 99:175-6, Apr 71
Determination of lung volumes from chest films. O'Shea J, et al. Thorax 25:544-9, Sep 70
[On the interpretation of thoracic radiophotograph] Perdrizet S.
Bull Inst Nati Sante Rech Med 25:189-200, Mar-Apr 70 (Fre)
[Determination of expired pulmonary volume from thoracic radiographies. Comparison with spirographic values] Liot F, et al.
J Physiol (Paris) 62:Suppl 3:407-8, 1970 (Fre)
[Standard thoracic radiodiagnosis in neonatal resuscitation] Jouve P, et al.
J Radiol Electrol Med Nucl 51:67-9, Jan-Feb 70 (Fre)
[Evaluation of pulmonary distension by measuring the radiological thoracic volume. Application to the study of obstructive syndromes] Estrader F, et al.
Poumon Coeur 25:997-1009, 1969 (Fre)
[Measurement of the functional residual capacity: comparison of 3 methods: spirographic, radiographic and plethysmographic method in 100 normal adults] Germouty J, et al.
Poumon Coeur 26:589-613, 1970 (Fre)
[The aid of the computer in the diagnosis of round intra-thoracic opacities] Alperovitch A, et al.
Presse Med 79:137-8, 23 Jan 71 (Fre)
[Traumatic chylothorax] Pierach CA, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:240-3, Aug 70 (Ger)
[Differential diagnosis of the radiographic symptom "white thorax" in newborn infants] Dietzsch HJ, et al.
Kinderaerztl Prax 38:137-43, Mar 70 (Ger)
[Programming thorax x-ray pictures for electronic data processing] Riedler L.
Munch Med Wochenschr 113:933-5, 11 Jun 71 (Ger)
[X-ray diagnosis of the rat chest] Arndt D, et al.
Radiol Diagn (Berl) 11:629-38, 1970 (Ger)
[Diagnostic significance of simple radiological examinations of the chest under thoracico-surgical aspects] Hasche E.
Radiol Diagn (Berl) 11:299-314, 1970 (Ger)
[The influence of funnel chest on the sagittal chest x-ray] Jaeschke G.
Radiol Diagn (Berl) 11:51-9, 1970 (Ger)
[Quality of x-ray pictures of organs of the chest] Reichel WS, et al.
Radiol Diagn (Berl) 11:315-20, 1970 (Ger)
[A comparison of the picture quality of the general x-ray picture and of the radiophotograph of the chest] Tautz M, et al. Radiol Diagn (Berl) 11:621-7, 1970 (Ger)
[Radiological changes after prosthetic valvular substitutions] Meriggi A, et al.
Atti Soc Ital Cardiol 2:469-512, 1970 (Ita)
[Pulmonary findings in collagen diseases with special reference to thoracic radiography] Yoshizawa O.
Iryo 25:434-44, Jun 71 (Jap)
[Low-voltage radiography of the chest with industrial x-ray film and its magnified view] Yamazaki T, et al.
Nippon Acta Radiol 30:842-51, Oct 70 (Jap)
[Findings in chest x-ray, blood pressure and electrocardiogram in the upside down position] Horai H, et al. Rinsho Hoshasen 16:79-82, Jan 71 (Jap)
[Vascular abnormalities presenting images easily mistaken for other diseases in simple thoracic radiograms] Shigeta A.
Rinsho Hoshasen 16:83-98, Feb 71 (Jap)
[Radiological investigations of the chest in childrens' diseases] Kozlowski K.
Pediatr Pol 45:743-5, Jun 70 (Pol)
[Purpose of routine radiological examinations of women in labor] Niedworok H, et al.
Wiad Lek 24:845-8, 1 May 71 (Pol)
[Method of "ultra-hard" fluorography] Bogdanov LN.
Vestn Rentgenol Radiol 45:51-4, Jul-Aug 70 (Rus)
[Method of radiographic study of the thoracic organs in explosive decompression] Krasnykh IG, et al.
Vestn Rentgenol Radiol 45:41-5, Jul-Aug 70 (Rus)
[X-ray diagnosis of diseases of the thoracic organs in children (silhouette symptom)] Shik IaL.
Vestn Rentgenol Radiol 45:46-51, Jul-Aug 70 (Rus)
[Transbronchial biopsy directed by radioscopy. Preliminary study] Piñeyro JA, et al.
Hoja Tisiol 26:103-12, 1969 (Spa)
[Image-intensifier fluorography with 70 mm. cameras in radiopediatric diagnosis] Gajewski H, et al.
Ann Radiol (Paris) 12:419-24, 1969 (Mul)
[The value of chest radiography in the diagnosis of cyanotic heart disease in newborn babies and infants] Nitz I, et al.
Ann Radiol (Paris) 14:167-75, Mar-Apr 71 (Mul)
[Thoracic roentgenographic exposures controlled by respiration phase in children] Truckenbrodt H, et al.
Ann Radiol (Paris) 12:413-8, 1969 (Mul)

HISTORY

The early years of chest radiology in Britain. Posner E.
Thorax 26:233-9, May 71

INSTRUMENTATION

Optimal radiologic facilities for examination of the chest and the cardiovascular system.
J Am Osteopath Assoc 70:1214-37, Jul 71
[Value of radio-exposure meter and automatic development in thoracic radiography] Bousquet F, et al. J Radiol Electrol Med Nucl 50:901-4, Dec 69 (Fre)

UTILIZATION

[Experience in the cardiologic utilization of roentgen screen pictures] Weigl E, et al.
Z Erkr Atmungsorgane 132:171-80, 1970 (Ger)

VETERINARY

Routine thoracic radiography in health monitoring of small primates. Medd RK. Br Vet J 127:220-4, May 71
Radiology of the normal canine thorax. Douglas SW.
J Small Anim Pract 11:669-77, Oct 70

THORACIC VERTEBRAE (A2)

Methods of predicting vital capacity in patients with thoracic scoliosis. Johnson BE, et al.
J Bone Joint Surg [Am] 52:1433-9, Oct 70
Spontaneous anterior fusion of vertebral bodies. Butler RW. J Bone Joint Surg [Br] 53:230-5, May 71
Pulmonary function in thoracic scoliosis, before and after corrective surgery. Westgate HD.
Minn Med 53:839-47, Aug 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Voluminous aneurysm of the thoracic aorta with dorso-lumbar lysis. Resection; recovery] Puel P, et al. Ann Chir Thorac Cardiovasc 10:167-70, 1971 (Fre)
[Vertebral chordoma with double localization] Bellet M, et al. Bord Med 3:2987-8 passim, Dec 70 (Fre)
[Functional relationships between diseases of the cervico-thoracic spinal column, heart arrhythmias, angina pectoris and epicastric diseases and possibilities for their therapeutic modifications] Atzenhofer K, et al.
Wien Med Wochenschr 121:286-90, 10 Apr 71 (Ger)
[The anatomy of the aging spinal column. II. Deformities, wedge-shaped vertebrae formation] Schumacher GH, et al.
Z Aerztl Fortbild (Jena) 65:337-45, 15 Mar 71 (Ger)
[The anatomy of the aging spinal column. I. Spondylosis deformans, costovertebral hyperostosis] Schumacher GH, et al.
Z Aerztl Fortbild (Jena) 65:278-84, 1 Mar 71 (Ger)
[Metastasizing spinal meningioma] Banki H, et al.
Zentralbl Allg Pathol 114:51-6, 1971 (Ger)
[Spinal cord compression due to herniated thoracic intervertebral disks] Iwata K, et al.
Brain Nerve (Tokyo) 22:843-9, Jul 70 (Jap)
[Lipoma extradurale canalis vertebralis C1-Th1 in a 1 and a half-year-old child] Woźniak F.
Patol Pol 21:643-6, Oct-Dec 70 (Pol)
[Thoracic disk hernia. (Clinico-therapeutic considerations on 42 operated cases)] Arseni C, et al.
Neurol Psihiatr Neurochir 15:331-9, Jul-Aug 70 (Rum)
[Diagnosis and disability evaluation in nervous system lesions caused by degenerative changes in the thracic intervertebral disks] Lukacher Gla.
Klin Med (Mosk) 48:116-20, Sep 70 (Rus)
[Neurologic complications in osteochondrosis of the thoracic part of the spine] Shtul'man DR.
Klin Med (Mosk) 48:108-15, Sep 70 (Rus)
[Pneumotonometry--method of functional evaluation of abdominal muse paresis in the clinical picture of nervous diseases] Izakson KhA, et al.
Zh Nevropatol Psikhiatr 70:1660-2, 1970 (Rus)
[Device for fixing the pectoral vertebra in microelectrode study of the pulse of respiratory neurons of the spinal cord of animals] Krakovich VD.
Fiziol Zh 17:271-2, Mar-Apr 71 (Ukr)

ANATOMY & HISTOLOGY

The costovertebral joint. Anatomical observation in various mammals. Gloobe H, et al.
Anat Anz 127:22-31, 1970
Antero-posterior width of the vertebral bodies. Kaplan EB. Bull Hosp Joint Dis 31:197-8, Oct 70
[Morphology and innervation of the levator muscles of the ribs and their relation to the lateral lumbar intertransverse muscles in humans and kangaroos] Langenberg W, et al.
Z Anat Entwicklungsgesch 130:255-64, 1970 (Ger)

INJURIES

Treatment of stable thoracolumbar spine compression fractures by early ambulation. Weitzman G.
Clin Orthop 76:116-22, May 71
Hyperextension injuries of the spine. Burke DC.
J Bone Joint Surg [Br] 53:3-12, Feb 71
Operative treatment of fractures of the dorsal and lumbar spine. Böhler J. J Trauma 10:1119-22, Dec 70
[The use of the Harrington device in the surgical treatment of dorsolumbar spine fractures] Onimus M, et al. Lyon Chir 67:131-5, Mar-Apr 71 (Fre)
[Fractures and dislocations in the rib-thoracic vertebrae area] Rosolleck H.
Med Welt 31:1402-4, 8 Aug 70 (Ger)
[Experience in surgery of uncomplicated compression fractures of the vertebrae] Iumashev GS, et al.
Khirurgiia (Mosk) 46:44-50, Sep 70 (Rus)

PATHOLOGY

Malignant hemangioendothelioma of bone in childhood. Report of a case and review of the literature. Gilbert EF, et al. Am J Dis Child 121:410-4, May 71
Long-term effects of diskography in dogs. Garrick JG, et al. Minn Med 53:849-50, Aug 70
[Biopsy by puncture and aspiration of the dorsal vertebral body] Japas LM, et al.
Rev Chir Orthop 56:763-70, Dec 70 (Fre)
[Eosinophilic granuloma of thoracic vertebrae and lungs] Dobrota S, et al.
Bratisl Lek Listy 55:206-15, 1971 (Slo)

PHYSIOLOGY

Characteristics in the thoracic spine motion. Studies on autopsy specimens. Hirsch C, et al.
Clin Orthop 75:156-63, Mar-Apr 71

RADIOGRAPHY

Normal values of the vertebral body and intervertebral disk index during growth. Brandner ME.
Am J Roentgenol Radium Ther Nucl Med 110:618-27, Nov 70
Developmental stenosis of a thoracic vertebra resulting in narrowing of the spinal canal. Govoni AF.
Am J Roentgenol Radium Ther Nucl Med 112:401-4, Jun 71
[A soft tissue shadow in the thoracolumbar region simulating a paravertebral abscess] Pietilä K, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:248, Aug 70 (Ger)
[Cervico-thoracic spina bifida] Roggatz J, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:540-1, Apr 70 (Ger)
[Destruction of the intervertebral disk and vertebral body in Bekhterev's disease] Nowak C.
Pol Przegl Radiol 35:269-72, May-Jun 71 (Pol)

SURGERY

Transthoracic vertebral surgery. Cook WA.
Ann Thorac Surg 12:54-68, Jul 71
Total spondylectomy in chondrosarcoma arising from the seventh thoracic vertebra. Stener B.
J Bone Joint Surg [Br] 53:288-95, May 71
Complete removal of three vertebrae for giant-cell tumour. Stener B, et al.
J Bone Joint Surg [Br] 53:278-87, May 71
Diagnosis and treatment of thoracic intervertebral disc protrusions. Carson J, et al.
J Neurol Neurosurg Psychiatry 34:68-77, Feb 71
Thoracic intervertebral disc prolapse. (A case report with a five year follow-up). Rao SB, et al.
Neurol India 18:194-6, Sep 70
[Thoracodiaphragmal approach in surgery on the lower thoracic and upper lumbar vertebrae] Dribinskiĭ MB, et al. Khirurgiia (Mosk) 46:112-6, Jul 70 (Rus)
[Anatomosurgical assessment of the surgical approach to the bodies of the cervical and upper thoracic vertebrae] Khvisiuk NI, et al.
Ortop Travmatol Protez 31:47-51, Jun 70 (Rus)
[Osteoplastic spinal stabilization for the sequelae of tuberculous spondylitis] Kovalenko DG, et al.
Vestn Khir 106:61-6, Apr 71 (Rus)

THORACOPLASTY (E4)

Results of 271 funnel chest operations. Wada J, et al.
Ann Thorac Surg 10:526-32, Dec 70
Surgical treatment of pectus carinatum. Lam CR, et al.
Arch Surg 103:191-4, Aug 71
Diaphragmatic movement and spirometric volume in patients with bilateral thoracoplasty. Hauge BN.
Scand J Resp Dis 52:26-33, 1971
[A simple technique for cases of massive pulmonary embolism] Senning A.
Langenbecks Arch Chir 328:35-41, 1970 (Ger)
[Surgical treatment of pectus excavatum] Alessandri G, et al. Ann Ital Chir 45:659-89, 1969 (Ita)
[Reconstruction of the thoracic wall using scapular muscles] Leggeri A, et al.
Policlinico [Chir] 76:333-44, Nov-Dec 69 (Ita)
[New surgical treatment for peripleural (pericostal) abscess] Abe H, et al.
Jap J Thorac Surg 24:275-8, Apr 71 (Jap)
[Thoracoplasty at Dachau] Metera A, et al.
Przegl Lek 27:15-7, 1971 (Pol)
[Alioplasty of defects of the abdominal and thoracic walls with plastic materials following removal of tumors] Kotsiubinskiĭ IG.
Khirurgiia (Mosk) 45:41-6, Sep 69 (Rus)
[Repeated lung and pleural surgery] Manevich VL, et al. Khirurgiia (Mosk) 46:62-7, Jun 70 (Rus)
[Methodof thoracoplasty in children with congenital funnel chest] Kondrashin NI.
Ortop Travmatol Protez 31:61-5, Aug 70 (Rus)
[Immediate and remote results of vavernotomy with simultaneous thoracoplasty and muscular plastic repair of the cavern in the treatment of extensive pulmonary tuberculosis] Nikolaev IS, et al.
Probl Tuberk 48:19-23, 1970 (Rus)

ADVERSE EFFECTS

[Postoperative pulmonary atelectasis] Tavrovskiĭ VM, et al. Grudn Khir 12:82-6, Sep-Oct 70 (Rus)

MORTALITY

[Surgical treatment of patent ductus arteriosus with severe pulmonary hypertension. (Inoperable cases or of high mortality risk)] Pérez Redondo H, et al.
Cir Cir 38:329-70, May-Jun 70 (Spa)

THORACOSCOPY (E1)

Mediastinoscopy in the management of lung cancer. Kurzweg FT, et al.
J La State Med Soc 123:167-71, May 71
Xiphoid mediastinoscopy for permanent myocardial implantation of a modified electrode. Preliminary report. Beaulieu M, et al.
J Thorac Cardiovasc Surg 61:968-74, Jun 71
Mediastinoscopy. Miller VM. Wis Med J 70:103-5, Mar 71
[Mediastinoscopy in the differential diagnosis of diseases of the thoracic cavity] Vasil'ev NA, et al.
Probl Tuberk 49:44-7, 1971 (Rus)
[Thoracoscopy in s pontaneous pneumothorax] Sukhanovskiĭ VP, et al.
Vestn Khir 103:21-4, Nov 69 (Rus)

THORAX (A1, A2, A4)

Precordial palpation. Stapleton JF, et al.
Am Heart J 81:409-27, Mar 71
Precordial palpation. Stapleton JF, et al.
Am Heart J 8:409-27, Mar 71
Pectoral hair in cirrhosis. Berk JE, et al.
Am J Gastroenterol 55:387-90, Apr 71
Jugular, hepatic, and praecordial pulsations in constrictive pericarditis. el-Sherif A, et al.
Br Heart J 33:305-12, Mar 71
Measurement of intrathoracic fluid by impedance plethysmography. Miller IT, et al.
Br J Surg 58:307, Apr 71
Thermography of the chest. Winsor T.
Chest 58:452, Nov 70
Reply to comment on "effective transmission of the human thorax for photons from 239 Pu, 241 Am, and other low-energy emitters". Bukovitz AG, et al.
Health Phys 19:585, Oct 70
Continuation of the study of the effect of thoracic mobilization on the distribution of 131 I MAA in the lungs. Murphy AJ.
J Am Osteopath Assoc 70:1057-8, Jun 71
A complication of heart rate monitoring: subcutaneous foreign body. Mangurten HH, et al.
J Pediatr 79:115-7, Jul 71
The chest wall twinge syndrome. Stegman D, et al.
Nebr State Med J 55:528-33, Sep 70
A bi-hinged chest-arm flap for lymphedema of the upper limb. Hirshowitz B, et al.
Plast Reconstr Surg 48:52-5, Jul 71
[Regeneration of the thorax by an abdominal segment in Clavelina lepadiformis Müller] Brien P.
Arch Biol (Liege) 81:441-90, 1970 (Fre)
[Role of the passive thoraco-pulmonary system and of muscular activity during spontaneous expiration in humans] Bargeton D, et al.
J Physiol (Paris) 62:Suppl 3:340-1, 1970 (Fre)
[Lymphatic scintigraphy of certain thoracic lymph node groups as a diagnostic method]
Sawas-Dimopoulou C, et al.
J Radiol Electrol Med Nucl 52:253-64, May 71 (Fre)
[Osteosis cutis multiplex] Reichenberger M, et al.
Hautarzt 22:73-7, Feb 71 (Ger)
[On the development of the thoracic nervous and muscular systems of Apis mellifica L. (Hymenoptera)] Schwager-Hübner M.
Rev Suisse Zool 77:807-49, 1970 (Ger)
[Postoperative radiotherapy of breast carcinomas dispensing with chest wall irradiation] Kuttig H, et al.
Strahlentherapie 140:27-31, Jul 70 (Ger)
[Behavior of the intrathoracic cavity in passage of low-frequency sound and its diagnostic importance. 3. Comparative clinical-physiological examinations in changed respiratory mechanics] Böhme H.
Z Erkr Atmungsorgane 132:315-23, 1970 (Ger)
[Behavior of the intrathoracic cavity in passage of low-frequency sound and its diagnostic importance. IV. Sound passage on infiltrating lung changes] Böhme H.
Z Erkr Atmungsorgane 132:325-35, 1970 (Ger)
[Body constitution, corporeal surface, thoracic circumference and spirometry in compared samples of girls before and after menarche] Prosperi P, et al.
Minerva Pediatr 22:2264-5, 17 Nov 70 (Ita)
[Innervation of the levatores costarum in man-morphological notes on the paravertebral muscles] Sato T.
Acta Anat Nippon 46:172-92, Jun 71 (Jap)
[Indication of effects of treatment at the pain clinic--with special reference to chest pain] Hyodo M.
Jap J Anesthesiol 19:1205-12, Oct 70 (Jap)
[Change in the stimulation threshold of the epicardium and pericardium in inflammation and vibration of the chest wall] Maliarenko IuE, et al.
Biull Eksp Biol Med 68:20-3, Nov 69 (Rus)
[Dose fields in rotation gamma-irradiation of homogenous and heterogeneous human chest phantoms] Skoropad IuD.
Med Radiol (Mosk) 15:77-81, Aug 70 (Rus)
[Lymphostasis in Mondor's disease] Poluektov IuA, et al. Vestn Khir 103:80-2, Nov 69 (Rus)
[Solitary bone myeloma] Kochnev VA, et al.
Vopr Onkol 17:79-82, 1971 (Rus)
[Makai's lipogranulomatosis] Pierini LE, et al.
Arch Argent Dermatol 19:163-9, Dec 69 (Spa)

ABNORMALITIES

Lung structure in thoracic dystrophy. Finegold MJ, et al. Am J Dis Child 122:153-9, Aug 71
Cryptorchidism, chest deformities, and other congenital anomalies in three brothers. Benthem LH van, et al. Arch Dis Child 45:590-2, Aug 70
A new prosthesis for reconstruction of congenital flail chest. Singh MP, et al. Br J Surg 58:346-50, May 71
Developmental genetics of thoracic abnormalities of dumpy mutants of Drosophila melanogaster. Metcalfe JA. Genetics 65:627-54, Aug 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Oculo-auricular dysplasia. (A case report). Maria DL, et al. J All India Ophthalmol Soc 18:37-8, Apr 70
Ectopic thoracic kidney. Mikoloski VS Jr, et al. JAMA 215:1158, 15 Feb 71
Ectopic thoracic kidney. Palmer JM. JAMA 217:1108, 23 Aug 71
Pectus excavatum: use of preformed prosthesis for correction in the adult. Case report. Masson JK, et al. Plast Reconstr Surg 46:399-402, Oct 70
Spondylothoracic dysplasia. Pochaczevsky R, et al. Radiology 96:53-8, Jan 71
Asphyxiating thoracic dystrophy (Jeune's syndrome). Radiological findings. Fruchter Z, et al. Rom Med Rev 14:46-50, 1970
[Value of therapeutic exercises in congenital malformations of the anterior thoracic wall] Sebestík V, et al. Rozhl Chir 50:51-4, Jan 71 (Cze)
[Pectus carinatum] Lacquet LK, et al. Acta Chir Belg 68:621-33, Nov 69 (Dut)
[Neonatal hepato-pancreato-epididymo-renal polycystosis and thoracic polydystrophy. Anatomo-clinical study of a case] Leclerc JP, et al. Arch Fr Pediatr 28:425-34, Apr 71 (Fre)
[Thoracic hepatic lobe] Caron J, et al. J Chir (Paris) 100:213-26, Sep 70 (Fre)
[Thorax deformity and vegetative instability] Maneke M. Dtsch Med Wochenschr 96:806-7, 30 Apr 71 (Ger)
[Surgical treatment of pectus excavatum] Alessandri G, et al. Ann Ital Chir 45:659-69, 1969 (Ita)
[Case of the thoracic kidney discovered due to the presence of an abnormal shadow in thoracic radiography] Otomo S, et al. Naika 26:978-82, Nov 70 (Jap)
[Clinical aspects and treatment of funnel chest and pigeon chest] Knysh IT. Ortop Travmatol Protez 31:27-32, Apr 70 (Rus)
[Pectus carinatum thorax. Its surgical treatment] Pataro VF, et al. Prensa Med Argent 56:1573-80, 17 Oct 69 (Spa)
[A case of thoracic ectopia of the kidneys] Rill A. Med Pregl 23:227-9, 1970 (Cro)

ANATOMY & HISTOLOGY

The M. transversus thoracis in man and monkey. Satoh J. Okajimas Folia Anat Jap 48:103-37, Aug 71
[Experimental and histological studies of the thoracic musculature of Periplaneta americana L] Teutsch-Felber D. Rev Suisse Zool 77:481-523, Jun 70 (Ger)
[Mediastinal-thoracic planimetric index and thoracic diametric index in cystic fibrosis (statistical study)] Marcer V, et al. Fracastoro 63:693-714, May-Aug 70 (Ita)

INNERVATION

The innervation of the thorax of the adult milkweed bug. Oncopeltus fasciatus (Dallas). II. The mesothorax. Govind CK, et al. Can J Zool 49:287-90, Mar 71
The innervation of the thorax of the adult milkweed bug. Oncopeltus fasciatus (Dallas). 3. The metathorax. Govind CK, et al. Can J Zool 49:291-5, Mar 71

PHYSIOLOGY

Maximal respiratory pressure and pliability of the body wall of the Japanese ama. Kobayasi S, et al. Acta Med Biol (Niigata) 18:249-60, Mar 71
Effect of chest wall stimulation on cardiac pacemaker function. Samet P, et al. Am J Med Sci 260:285-98, Nov 70
Intrathoracic pressure, pulmonary vascular pressures and gas exchange during pulmonary lavage. Smith JD, et al. Anesthesiology 33:401-5, Oct 70
Unicity of information from chest wall vibrations measured by different transducers. Cosyns J, et al. Bibl Cardiol 28:222-9, Mar-Apr 69
The effect of D-tubocurarine upon the static elastic recoil of the thorax. Nisbet HI, et al. Can Anaesth Soc J 18:304-9, May 71
The effects of decreased thoracic compliance on the ventilatory response to CO2. Freedman S, et al. Clin Sci 39:19P, Dec 70
Effort and the forced expiratory volume in one second (FEV). Kemm JR, et al. Clin Sci 39:747-55, Dec 70
Phasic air movement model of respiratory regulation of carbon dioxide balance. Yamamoto W, et al. Comput Biomed Res 3:699-717, Dec 70
Total respiratory compliance in infants and children. Sharp JT, et al. J Appl Physiol 29:775-9, Dec 70

PHYSIOPATHOLOGY

Rib cage and abdomen-diaphragm in bronchial asthma: relative contributions to air displacement. Marazzini L, et al. Am Rev Resp Dis 103:285-6, Feb 71
Methods of investigation of the mechanics of breathing in the artificially ventilated newborn. Geubelle F, et al. Biol Neonate 16:35-46, 1970

RADIATION EFFECTS

Comment on "effective transmission of the human thorax for photons from 239 Pu, 241 Am and other low-energy emitters". Dean PN, et al. Health Phys 19:312, Aug 70
[Technical findings apropos of postoperative irradiation of the thoracic wall in cancer of the breast] Juillard G, et al. Bull Cancer (Paris) 56:99-102, Jan-Mar 69 (Fre)

RADIOGRAPHY

Report of inter-society commission for heart disease resources. II. Cardiovascular disease-acute care. Optimal radiologic facilities for examination of the chest and the cardiovascular system. Circulation 43:A129-56, Feb 71

SURGERY

Historical note: the first succesfu removal of a mediastinal mass. Salem MR, et al. Anesth Analg (Cleve) 49:800-3, Jul-Aug 70
Transthoracic ligation of intercostal arteries for arteriovenous malformations of the spinal cord. Post KD, et al. Ann Surg 173:152-6, Jan 71
A technique for intercostal nerve block after thoracotomy. Bryant LR, et al. Ann Thorac Surg 11:388-91, Apr 71
Current concepts of thoracic surgery in the management of lymphoma. Munnell ER. Ann Thorac Surg 11:151-9, Feb 71
Delto-pectoral flap. Loré JM JR, et al. Arch Otolaryngol 94:13-8, Jul 71
Severe bronchospasm complicating thoracotomy. Bennett DJ, et al. Arch Surg 101:555-7, Nov 70
Oxygenation during chest surgery in the right lateral position in dogs. Carden E. Can Anaesth Soc J 18:110-5, Jan 71
Open lung biopsy; a strong stand. Aaron BL, et al. Chest 59:18-22, Jan 71
Open lung biopsy: a strong stand. Klassen KP. Chest 59:2-3, Jan 71
A comparative study of alevaire and a new mucolytic agent, acumist in postoperative patients. Polk JW, et al. Eye Ear Nose Throat Mon 49:321-4, Jul 70
The changes in the name and status of The Board of Thoracic Surgery. Paulson DL. J Thorac Cardiovasc Surg 61:330-2, Feb 71
Postoperative management of experimental thoracic surgery in the dog. Potkay S. Lab Anim Sci 21:234-41, Apr 71
A bi-hinged chest-arm flap for lymphedema of the upper limb. Hirshowitz B, et al. Plast Reconstr Surg 48:52-5, Jul 71
Thoracentesis: a modified technic. Kovarik JL. Postgrad Med 48:96-7, Dec 70
Reconstruction of the chest wall. Froysaker T, et al. Scand J Thorac Cardiovasc Surg 4:183-6, 1970
[Hemorrhage and its treatment in thoracic surgery] Matsumoto A. Shujutsu 25:872-7, Jul 71
Cardiothoracic surgery. Austen WG. Surg Gynecol Obstet 132:213-8, Feb 71
[Thoracotomy and scoliosis in children] Groot G. Ned Tijdschr Geneeskd 115:94-5, 9 Jan 71 (Dut)
[Transthoracic approach to the kidney] Dufour A. Acta Urol Belg 39:119-22, Jan 71 (Fre)
[Thoracotomy in severe closed injuries of the thorax] Dor V, et al. Lyon Chir 65:607-16, Jul-Aug 69 (Fre)
[On the necessity of respiratory rehabilitation in thoraco-abdominal surgery] Chantraine A, et al. Rev Med Liege 24:838-40, 1 Dec 69 (Fre)
[Complex respiratory therapeutic measures in chronic unspecific bronchopulmonary diseases and after thoracic surgical operations] Edel H. Arch Phys Ther (Leipz) 22:369-75, Nov-Dec 70 (Ger)
[Acute disorders of hemostasis in orthopedic operations] Hellinger J, et al. Beitr Orthop Traumatol 17:83-5, Jan 70 (Ger)
[Physiological and pathophysiological aspects in thoracotomy and artificial ventilation] Unseld H. Prax Pneumol 24:690-9, Nov 70 (Ger)
[Incidence of infections after thorax surgery during treatment in a general intensive care station] Eckert P, et al. Thoraxchirurgie 18:348-55, Aug 70 (Ger)
[Infections after surgery of the lungs, the mediastinum and the chest wall] Konrad RM, et al. Thoraxchirurgie 18:332-6, Aug 70 (Ger)
[The use of hypnosis in thoracic surgical procedures] Vándor T, et al. Z Psychosom Med Psychoanal 13:216-9, Jul-Sep 67 (Ger)
[Results of the resection of bronchial cancer with infiltration of the thoracic wall] Konrad RM, et al. Zentralbl Chir 95:713-9, 13 Jun 70 (Ger)
Surgical therapy of hiatal hernias. Abdominal or thoracic approach] Sailer R, et al. Zentralbl Chir 95:217-22, 14 Feb 70 (Ger)
[Elimination of tracheobroncheal secretion following thoracic surgery] Bacsa S, et al. Orv Hetil 111:2831-4, 29 Nov 70 (Hun)
[Changes of respiratory function in the postoperative period in relation to the various surgical incisions] Lorenzetti L, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:45-63, 1969 (Ita)
[Use of respiratory physiotherapy in surgical patients. II. In thoracic surgical patients] Antola RM, et al. Pathologica 59:463-8, Nov-Dec 67 (Ita)
[My concept of ideal form of medicine in Japan through my experiences in thoracic surgery] Sumida Y. Jap J Thorac Surg 24:520-1, Jul 71 (Jap)
[My personal history and history of thoracic surgery in Japan] (Maeda W), Jap J Thorac Surg 24:522-5, Jul 71 (Jap)
[Anesthesia and cardiopulmonary dynamics in thoracotomy] Ishida H, et al. Surg Ther (Osaka) 25:35-45, 1971 (Jap)
[Management following thoracotomy] Suzuki C, et al. Surg Ther (Osaka) 25:46-56, 1971 (Jap)
[Ventricular volvulus] Klingen G. Nord Med 85:96-7, 21 Jan 71 (Nor)
[Postinflammatory subscapular cyst as a complication of posterolateral thoracotomy] Góralczyk J, et al. Pol Przegl Chir 43:747-51, May 71 (Pol)
[Deformation of the chest after pulmonary tissue resection performed in childhood] Marciński A. Pol Przegl Radiol 34:793-805, 1970 (Pol)
[Mechanic artificial ventilation. I. Preoperative evaluation of cardiopulmonary function] López Merino V. Rev Esp Anestesiol Reanim 17:222-33, Apr 70 (Spa)

THORAZINE see CHLORPROMAZINE (D6)

THORIUM (D1)

The effect of thorium on thrombin. The role of carboxyl groups. Colman RW. J Biol Chem 246:4497-503, 25 Jul 71
[Ossifying fibroma of the jaws in mice after incorporation of Ra-224 (Thorium X)] Luz A, et al. Verh Dtsch Ges Pathol 54:450-4, 1970 (Ger)
[Decontamination of surfaces contaminated with thorium isotopes and disintegration products] Cherkashina TN, et al. Gig Sanit 35:33-7, Oct 70 (Rus)
[Determination of lead in urine by atomic absorption spectrometry after precipitation with thorium] Zurlo N, et al. Arh Hig Rada Toksikol 20:567, 1969 (Cro)

ADMINISTRATION & DOSAGE

[1st trials of treating inflammatory rheumatism by intra-articular injection of radium 224 (thorium)] Louyot P, et al. J Belge Rhumatol Med Phys 24:265-72, 1969 (Fre)

ANALYSIS

The thorium-series in cigarettes and lungs of smokers. Joyet G. Experientia 27:85-9, 15 Jan 71
Natural thorium in human bone. Lucas HF Jr, et al. Health Phys 19:739-42, Dec 70

BLOOD

[Combination of thorium with blood components as a function of the chemical nature of the administered compound] Pavlovskaia NA, et al. Gig Sanit 35:49-52, Feb 70 (Rus)

METABOLISM

[Experimental bilio-lymphatic reflux in basal conditions. Histological study] Bertetti C, et al. Riv Patol Clin Sper 10:277-82, Jul-Dec 69
[Experimental study of elimination of thorium-228 and its disintegration products from the lungs] Makeeva LG, et al. Gig Sanit 35:42-5, Nov 70 (Rus)

THERAPEUTIC USE

[Critical remarks on the radiotherapy in ankylosing spondylitis] Barth G, et al. Verh Dtsch Ges Rheumatol 1:149-55, 1969 (Ger)
[Results of a 20-year-long parenteral thorium-X treatment of osseous inflammatory ankylosis of the spine (Bechterew's disease)] Koch W. Verh Dtsch Ges Rheumatol 1:132-40, 1969 (Ger)

TOXICITY

[Substantiation of the maximum permissible concentration of Th 232 and natural thorium in drinking water] Liaskii PP, et al. Gig Sanit 35:46-51, Jul 70 (Rus)

THORIUM DIOXIDE (D1, D13)

Radiation dose distribution in lungs of thorotrast patients. Grillmaier R, et al. Health Phys 20:409-19, Apr 71
Permeability of the epidermis and the phagocytic activity of keratinocytes. Ultrastructural studies with thorotrast as a marker. Wolff K, et al. J Ultrastruct Res 36:176-90, Jul 71
Entrance of colloidal ThO2 tracer into the T tubules and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

longitudinal tubules of the guinea pig heart. Rubio R, et al. Z Zellforsch Mikrosk Anat 116:20-36, 1971
[Diagnosis and therapy of thorotrast-induced tumors] Beckenbach H, et al.
Z Krebsforsch 74:318-28, 1970 (Ger)

ADVERSE EFFECTS

Acute erythraemia (Di Guglielmo's syndrome) after thorotrast injection. Bastrup-Madsen P, et al.
Acta Med Scand 189:349-53, May 71
Myelofibrosis with myeloid metaplasia and pancytopenia after thorotrast injection.
Bastrup-Madsen P, et al.
Acta Med Scand 189:355-8, May 71
Thorium-dioxide granuloma with laryngeal palsy. Kobayashi T, et al. Arch Otolaryngol 92:272-4, Sep 70
Splenic atrophy following thorotrast administration. McLoughlin GP, et al. Br J Radiol 44:404, May 71
Thorium induced carcinoma of the maxillary sinus. Schmitz GL, et al. Laryngoscope 80:1722-32, Nov 70
Thorotrast: primary liver sarcoma 22 years after the administration. Heger N, et al.
Minn Med 53:1137-9, Oct 70
Thorotrast-induced endothelial cell sarcoma of liver. Howard RJ, et al. Minn Med 54:685-8, Sep 71
[Liver damage following colloidal thorium dioxide. A short review and a case] Madsen SN, et al.
Ugeskr Laeger 133:883-6, 7 May 71 (Dan)
[Parotid thorotrastoma. An anatomo-clinical case] Verhaeghe M, et al.
J Chir (Paris) 100:271-80, Oct 70 (Fre)
[Hepato-spleno-lymphatic thorotrastosis. Apropos of an anatomo-clinical case] Roujeau J, et al.
Sem Hop Paris 47:818-24, 14 Mar 71 (Fre)
[Clinical, histological and cytogenetic findings in patients with thorotrast lesions] Hennekeuser HH, et al. Klin Wochenschr 48:895-906, 1 Aug 70 (Ger)
[Late damages after diagnostic use of thorotrast: intestinal stenosis after salpingography] Moser R, et al.
Schweiz Med Wochenschr 100:940-3, 30 May 70 (Ger)
[Report on pathologico-anatomical and autoradiographic studies in 9 cases of human thorotrastosis] Wegener K, et al.
Virchows Arch [Pathol Anat] 351:316-32, 1970 (Ger)
[Late irradiation damages in the retromandibular region after carotid angiography and after sialography with Thorotrast] Manzke E.
Z Laryngol Rhinol Otol 50:33-40, Jan 71 (Ger)
[Storage of thorotrast in man] Thorn L, et al.
Z Mikrosk Anat Forsch 81:500-14, 1970 (Ger)
[Case of sequela of thorotrast injection] Maeda F, et al.
Orthop Surg (Tokyo) 22:572-5, Jul 71 (Jap)
[Thorotrast microthesaurismosis, with special reference to the radiographic image of the portal region easily mistaken to be pancreatic calculi] Okuda K, et al. Rinsho Hoshasen 16:113-8, Feb 71 (Jap)

ANALYSIS

Radiation dose distribution in lungs of thorotrast patients. Grillmaier R, et al.
Health Phys 20:409-19, Apr 71
Determination of 232Th content in a few old thorotrast ampoules. Malátová I.
Strahlentherapie 141:491-3, Apr 71
[Concise description of the "Whole-Body-Counter" being used in Leiden and a diagnostic application] Barnhoorn A, et al.
Ned Tijdschr Geneeskd 115:1111-4, 26 Jun 71 (Dut)
[Distribution of radionuclides in suspensions of colloidal ThO2 (Thorotrast)] Heyder J, et al.
Biophysik 7:152-6, 1971 (Ger)

DIAGNOSTIC USE

Results of the whole-body counting of patients with known amount of injected thorotrast. Malátová I, et al.
Health Phys 18:431-2, Apr 70

METABOLISM

[Kinetics of distribution and excretion of radium isotopes following thorotrast injection] Kaul A, et al.
Biophysik 7:74-84, 1970 (Ger)

THORN TEST see under PITUITARY-ADRENAL FUNCTION TESTS (E1)

THOROTRAST see under THORIUM DIOXIDE (D1, D13)

THREE DAY SICKNESS see EPHEMERAL FEVER (C1, C15)

THREONINE (D10)

Insulin methyl ester. Specific cleavage of a peptide chain resulting from a nitrogen to oxygen acyl shift at a threonine residue. Levy D, et al.
Biochemistry 9:2215-22, 4 Aug 70
Solid-phase synthesis of (4-threonine)-oxytocin. A more potent and specific oxytocic agent than oxytocin. Manning M, et al.
Biochemistry 9:3925-30, 29 Sep 70
Homoserine dehydrogenase-aspartokinase of Escherichia coli. Comparison of threonine saturation and enzyme conformation. Takahashi M, et al.
Biochemistry 10:1700-5, 27 Apr 71
Protein-bound phosphorylthreonine in some tissues and organisms. Rask L, et al.
Biochim Biophys Acta 221:107-13, 20 Oct 70
Liver polysome patterns of rats fed amino acid imbalanced diets. Pronczuk AW, et al.
J Nutr 100:1249-58, Nov 70
Kinetics of the proton-transfer reactions of serine and threonine. White RD, et al.
J Phys Chem 75:161-3, 7 Jan 71
Synthesis of threonine phosphoglycerides. Moore JW, et al. Tetrahedron Lett 50:4423-6, Oct 70
[Synthesis of a cyclic decapeptide containing diaminobutyric acid and allothreonine] Arold H.
Justus Liebigs Ann Chem 739:194-200, 1970 (Ger)

ANALYSIS

Direct titrimetric microdetermination of threonine. I. Direct determinations of threonine-L-arginine and L-histidine-threonine-L-arginine mixtures without separating. Saxena OC. Acta Clin Belg 25:54-8, 1970
The occurrence in proteins of the tripeptides Asn-X-Ser and Asn-X-Thr and of bound carbohydrate. Hunt LT, et al.
Biochem Biophys Res Commun 39:757-65, 22 May 70

BIOSYNTHESIS

Minor threonine dehydratase encoded within the threonine synthetic region of Bacillus subtilis. Vapnek D, et al. J Bacteriol 106:983-93, Jun 71
[Diversity of the types of regulation involved in the biosynthesis of threonine and methionine in Saccharomyces cerevisiae] Robichon-Szulmajster H.
Biochimie 53:131-4, 1971 (Fre)

METABOLISM

Incorporation of L-O-ethylthreonine into chick muscle protein. Hiremath CB, et al.
Biochemistry 10:1096-100, 16 Mar 71
Threonine metabolism in a strain of Bacillus subtilis: enzymic oxidation of the intermediates D-and L-lactate. Willetts AJ, et al.
Biochim Biophys Acta 215:403-5, 14 Aug 70
Threonine metabolism in a strain of Bacillus subtilis: enzymes acting on methylglyoxal. Willetts AJ, et al.
Biochim Biophys Acta 222:668-70, 29 Dec 70
Threonine metabolism in a strain of Bacillus subtilis: enzymic oxidation of the intermediate DL-lactaldehyde. Willetts AJ, et al.
Biochim Biophys Acta 222:234-6, 27 Oct 70
Reinitiation of cell wall growth after threonine starvation of Streptococcus faecalis. Higgins ML, et al.
J Bacteriol 105:1175-83, Mar 71
Unequal synthesis of globin chains after extended incubation of rabbit reticulocytes with L-O-methylthreonine. Del Monte MA, et al.
J Mol Biol 56:429-34, 14 Mar 71
[Influence of somatotropin hormone on the velocity of irreversible degradation in vivo of free threonine] Chevan J, et al.
C R Acad Sci [D] (Paris) 271:671-3, 17 Aug 70 (Fre)
[Preliminary studies of rat liver threonine deaminase] Pagani R, et al.
Boll Soc Ital Biol Sper 46:834-6, 30 Oct 70 (Ita)
[Threonine deaminase and threonine dehydrogenase activity in various rat organs] Pagani R, et al.
Boll Soc Ital Biol Sper 46:832-3, 30 Oct 70 (Ita)
[Regulation of threonine metabolism by adenine nucleotides] Shizuta Y, et al.
Protein Nucleic Acid Enzyme (Tokyo) 15:1342-53, Nov 70 (28 ref.) (Jap)

PHARMACODYNAMICS

Effects on net plasma protein synthesis of removal of L-tryptophan or L-threonine from a complete amino acid mixture: studies in the isolated perfused rat liver. Miller LL, et al. Am J Clin Nutr 24:718-29, Jun 71
Structure of the large -chain polyribosome of rabbit reticulocytes rendered isoleucine-deficient by O-methylthreonine. Freedman ML, et al.
Mol Pharmacol 7:317-22, May 71
Effects of threonine on growth and antibody production in chicks infected with Newcastle disease virus. Bhargava KK, et al. Poult Sci 50:710-3, May 71

THROAT see PHARYNX (A3)

THROMBASE see THROMBIN (D7, D9)

THROMBELASTOGRAPHY (E1)

Prevention of postoperative thromboemboli by combined treatment with low-molecular-weight dextran and a proteinase inhibitor. A study with use of thromboelastogram. Kimche D, et al.
Ann Surg 173:164-72, Jan 71
The kinetics of the polymerization of fibrin in some normal and pathological bloods as studied with the thrombelastograph. Blair GW, et al.
Biorheology 7:171-6, Jan 71
Thrombelastography of human blood plasma. Matchett RH, et al. Biorheology 8:31-2, Jun 71
[Long-term anticoagulant therapy in traumatology (surveillance by thrombelastography)] Figarella J, et al. Mars Med 107:1005-8, 1970 (Fre)
[Macromolecules and hemostasis factors. Fluid gelatin innocuousness in equilibrated ionic media] Migne J, et al. Rev Fr Transfus 13:293-302, Sep 70 (Fre)
[Importance of thrombelastography in cardiac sugery] Jaeger M.
Schweiz Med Wochenschr 101:190-4, 13 Feb 71 (Fre)
[Drug therapy affecting thrombelastographic parameters in infectious hepatitis in children] Ströder J, et al.
Monatsschr Kinderheilkd 117:586-95, Oct 69 (Ger)
[The diagnostic capability of thrombelastogram, heparin and hirudin tolerance tests during anticoagulant therapy] Fiedler H, et al.
Z Aerztl Fortbild (Jena) 64:600-2, 15 Jun 70 (Ger)
[Thrombelastography in aged patients of various constitutions with special reference to the prevention of senile vasculopathies] Cirenei F.
Cardiol Prat 21:183-5, Jun 70 (Ita)
[In vitro effect of sodium stearate on blood coagulation. Thrombelastographic study] Rubegni M, et al. G Gerontol 17:1164-72, Dec 69 (Ita)
[Thrombodensitography in obstetrics] Pattarelli M, et al. Minerva Ginecol 21:412-4, 15 Apr 69 (Ita)
[Thrombelastographic findings in tonsillectomy] Mauro R, et al.
Rass Int Clin Ter 49:1097-107, 15 Sep 69 (Ita)
[Treatment of thrombocytopenic purpura with combined use of pantethin in massive dosage and adrenocortical hormone with special reference to the relation to TEG] Katsunuma H, et al.
Clin Endocrinol (Tokyo) 18:1021-7, Dec 70 (Jap)
[Thromboelastographic methods (TEG) in the evaluation of bleeding following oral surgical treatment] Jarzab G.
Ann Univ Mariae Curie Sklodowska [Med] 24:297-302, 1969 (Pol)
[Evaluation of the blood coagulation system in thrombo-obliterative arteritis based on thromboelastographic studies] Knapik Z, et al.
Pol Tyg Lek 25:1577-9, 19 Oct 70 (Pol)
[Effect of dextran 40,000 on the dynamics of blood clotting in thromboelastographic studies] Sulek K.
Pol Tyg Lek 26:497-9, 5 Apr 71 (Pol)
[Thrombelastographic and biochemical indices of the maternal and fetal blood in prolonged pregnancy] Bizhan UI.
Akush Ginekol (Mosk) 46:43-6, Sep 70 (Rus)
[Changes in the thrombelastograph following blood loss during late spontaneous abortion] Terskaia LV.
Akush Ginekol (Mosk) 45:70-2, Sep 69 (Rus)
[Effect of biotin on several indices of protein and lipid metabolism, state of the coagulation and anticoagulation system and thromboelastograms in patients with arteriosclerosis and hypertensive disease] Braginskiĭ BM, et al.
Kardiologiia 10:149-50, Sep 70 (Rus)
[Use of the thromboelastographic method in the evaluation of the functional properties of thrombocytes] Zhukovskaia ES.
Lab Delo 8:491-4, 1970 (Rus)
[Status of the coagulation properties of blood in patients with chronic tonsillitis based on data of thrombelastographic tests] Rafalovich MB, et al.
Zh Ushn Nos Gorl Bolezn 30:103-6, Mar-Apr 70 (Rus)
[Thrombelastography: its use for the study of the fibrinolytic system] Aznar J, et al.
Sangre (Barc) 15:401-18, 1970 (Spa)

VETERINARY

[Thrombelastographic studies and thrombocyte count in dogs] Schaewen H von.
Beri Munch Tieraerztl Wochenschr 84:324-8, 1 Sep 71 (Ger)

THROMBIN (D7, D9)

Mechanism of thrombosis of the microcirculation. McKay DG, et al. Am J Pathol 63:231-54, May 71
Preparation and properties of water-insoluble thrombin. Owen WG, et al.
Am J Physiol 220:1941-3, Jun 71
Tyrosine and tryptophan residues and amino groups in thrombin related to enzymic activities. Kotoku I, et al.
Biochim Biophys Acta 214:490-7, 29 Sep 70
The significance of the carbohydrate constituents of bovine thrombin for the clotting activity. Skaug K, et al. Biochim Biophys Acta 230:627-9, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rigidity moduli of bovine fibrin gels initiated by thrombin. Copley AL, et al. Biorheology 7:81-4, Aug 70

Haemodynamic changes resulting from thrombin induced intravascular coagulation. Olsson P, et al. Cardiovasc Res 4:443-51, Oct 70

Fibrinogen Bethesda: a congenital dysfibrinogenemia with delayed fibrinopeptide release. Grainick HR, et al. J Clin Invest 50:1819-30, Sep 71

The measurement of fibrinogen and its derivatives. 3. Thrombin clottable fibrinogen estimates in the presence of epsilon amino caproic acid, fibrinogen and fibrin degradation products. Farrell GW, et al. Med Lab Technol 28:328-36, Jul 71

[Attempt at classifying specific thrombocyte antigens. 7. The difference between the 2a-antigen and fibrinogen and thrombin] Májský A. Z Immunitaetsforsch Allerg Klin Immunol 141:49-56, 1970 (Ger)

[Studies on the process of fibrinogen breakdown by plasmin. II. Relationship between serial thrombin time and plasma antithrombin or antiplasmin] Shinada S. J Jap Soc Intern Med 59:959-66, Sep 70 (Jap)

[The importance of free amino groups for the enzyme activity of thrombin] Chulkova TM, et al. Biokhimiia 35:291-5, Mar-Apr 70 (Rus)

[Changes in ultrastructure of thrombocytes in the process of their adhesive metamorphosis in hyperthromboplastino- and thrombinemia] Gromnatskif NI. Probl Gematol Pereliv Krovi 15:35-7, Sep 70 (Rus)

[Heterologous thrombin-fibrinogen reaction. Its modification by 0.4. per cent CdSO4 solution] Marco Ahuir R, et al. Rev Sanid Hig Publica (Madr) 44:983-93, Sep 70 (Spa)

ADMINISTRATION & DOSAGE

[The role of autoprothrombin C in the reactions of the body's anticoagulant system] Suchkova SN, et al. Vopr Med Khim 16:409-15, Jul-Aug 70 (Rus)

ANALYSIS

Antithrombin 3 depression and thrombin generation acceleration in women taking oral contraceptives. Von Kaulla E, et al. Am J Obstet Gynecol 109:868-73, 15 Mar 71

The Australia (hepatitis-associated) antigen in fibrinogen and other fractions of human plasma. Zuckerman AJ, et al. J Clin Pathol 24:2-7, Feb 71

ANTAGONISTS & INHIBITORS

Effect of temperature and inhibitors on serotonin-14C release from human platelets. Valdorf-Hansen JF, et al. Am J Physiol 220:105-11, Jan 71

The effect of thorium on thrombin. The role of carboxyl groups. Colman RW. J Biol Chem 246:4497-503, 25 Jul 71

Comparison of progressive antithrombin activity and the concentration of three thrombin inhibitors in human plasma. Abildgaard U, et al. Scand J Clin Lab Invest 26:349-54, Dec 70

Inhibition of thrombin induced aggregation of human platelets by antithrombin 3. Eika C, et al. Scand J Haematol 7:460-4, 1970

[Inhibition of thrombin, plasmin and trypsin effect by alkyl- and alkoxybenzamidine] Markwardt F, et al. Pharmazie 25:551-4, Sep 70 (Ger)

[Autoactivation of prothrombin during blockage of endogenous thrombin by diisopropylfluorophosphate and N-tosyllysylchloromethylketone] Baskova IP, et al. Biokhimiia 35:763-7, Jul-Aug 70 (Rus)

BIOSYNTHESIS

Proteolytic activity of serum bound with alpha 2-macroglobulin in diseases with reduced thrombin formation in clotting blood. Szczeklik A. Clin Chim Acta 31:205-13, Jan 71

Studies of thrombin formation with an insoluble derivative of prothrombin. Engel AM, et al. J Biol Chem 246:1213-21, 10 Mar 71

The evaluation of the two-stage prothrombin assay. Hemker HC, et al. Thromb Diath Haemorrh 25:545-54, 30 Jun 71

ISOLATION & PURIFICATION

A rapid method for the purification of bovine thrombin and the inhibition of the purified enzyme wtih phenylmethylsulfonyl fluoride. Lundblad RL. Biochemistry 10:2501-6, 22 Jun 71

Large-scale preparation and preliminary characterization of human thrombin. Fenton JW 2d, et al. Biochim Biophys Acta 229:26-32, 19 Jan 71

The purification and properties of bovine thrombin. Batt CW, et al. J Biol Chem 245:4857-62, 10 Oct 70

Multiple bovine thrombin components. Rosenberg RD, et al. J Biol Chem 245:5049-56, 10 Oct 70

METABOLISM

[The evolution of thrombin-fibrinogen-reactions] Söderqvist T. Nord Med 85:433-4, 8 Apr 71 (Swe)

PHARMACODYNAMICS

On the role of vasoactive substances in haemodynamic changes induced by thrombin. Swedenborg J. Acta Chir Scand 1-20, 1971

Compounds known to affect the cyclic adenosine monophosphate level in blood platelets: effect on thrombin-induced clot retraction and platelet release. Mürer EH. Biochim Biophys Acta 237:310-5, 18 May 71

Formation and release of prostaglandins by platelets in response to thrombin. Smith JB, et al. Br J Pharmacol 40:545P+, Nov 70

Mechanism of action of thrombin on fibrinogen. I. Synthesis of fibrinogen-like peptides, and their proteolysis by thrombin and trypsin. Andreatta RH, et al. Proc Natl Acad Sci USA 68:253-6, Feb 71

A thrombin-sensitive protein of human platelet membranes. Baenziger NL, et al. Proc Natl Acad Sci USA 68:240-3, Jan 71

[Hemodynamic changes of adenosine diphosphate, adenosine triphosphate, and thrombin in relation to their platelet-aggregating activity. Swedenborg J, et al. Scand J Clin Lab Invest 27:213-9, May 71

Thrombin-induced vasoconstriction in the pulmonary circulation. Swedenborg J. Scand J Clin Lab Invest 27:321-9, Jun 71

[Physiologic stimulators and potential cofactors of retraction in thrombin-containing and thrombin-inactivated test systems] Marx R, et al. Klin Wochenschr 49:323-7, 15 Mar 71 (Ger)

PHYSIOLOGY

Kinetic properties and molecular size of thrombin-activated favtor V. Colman RW, et al. J Biol Chem 245:5941-6, 25 Nov 70

Functional and stric characteristics of modified thrombin zymogen. Marciniak E. Thromb Diath Haemorrh 24:361-72, 31 Dec 70

THERAPEUTIC USE

Another way to manage the split-thickness skin donor site. Stallings JO, et al. J Bone Joint Surg [Am] 53:185-6, Jan 71

[Experimental study of a fibrin containing wound powder] Kovács AB, et al. Acta Vet Acad Sci Hung 20:195-206, 1970 (Ger)

[Abnormalities of thrombocyte function in myeloproliferative disorders. I. Defective thrombocyte aggregation by ADP, collagen, noradrenaline and thrombin] Tangün Y. Turk Tip Cemiy Mecm 36:259-70, 1970 (Tur)

THROMBOANGIITIS OBLITERANS (C8)

[Occlusive disease of the peripheral artery] Inada K. J Jap Med Assoc 64:913-24, 15 Oct 70 (Jap)

[Case of thromboangiitis obliterans] Esafova TV. Klin Med (Mosk) 48:143-5, Sep 70 (Rus)

[Thromboangiitis obliterans in a young girl] Charles-Edouard D, et al. Angiologia 23:113-6, May-Jun 71 (Spa)

BLOOD

[Immunoelectrophoretic pattern of proteins in thrombo-obliterative angiitis] Knapik Z, et al. Pol Tyg Lek 26:381-3, 15 Mar 71 (Pol)

COMPLICATIONS

Cerebral manifestations of Buerger's disease. Dzialek E. Pol Med J 9:1212-8, 1970

[Digestive manifestations of Buerger's disease. Apropos of a case revealed by perforation of the small intestine] Sava G, et al. Acta Chir Belg 68:428-37, Sep 69 (Fre)

DIAGNOSIS

Achilles tendon reflexogram in occlusive arterial diseases of the lower limbs. A preliminary report. Forteza ME. Angiology 22:175-83, Apr 71

Thromboangiitis obliterans affecting the upper lip. Case report. Azaz B, et al. Br J Oral Surg 8:148-9, Nov 70

Buerger's disease affecting the axillary artery. Thavaraja Singham K. Med J Malaya 25:149-51, Dec 70

[Trophic distal cutaneous lesions revealing an arteriopathy] Texier L, et al. Bull Soc Fr Dermatol Syphiligr 76:720-2, 1969 (Fre)

[Endangittis obliterans and-or arteriosclerosis obliterans?] Köster R. Hippokrates 42:185-96, Jun 71 (Ger)

[The so-called cerebral form of endarteritis obliterans] Jellinger K. Nervenarzt 42:397-401, Aug 71 (Ger)

[The current problem of Winiwarter-Bürger disease] Bartolini G, et al. Arch De Vecchi Anat Patol 54:763-86, Apr 69 (Ita)

[Evaluation of the blood coagulation system in thrombo-obliterative arteritis based on thromboelastographic studies] Knapik Z, et al. Pol Tyg Lek 25:1577-9, 19 Oct 70 (Pol)

[The Winiwarter-Buerger disease and atherosclerosis] Grzywa M, et al. Wiad Lek 23:1875-9, 1 Nov 70 (21 ref.) (Pol)

[Buerger's disease: "vexata quaestrio"] Tosatti E. Resen Clin Cient 38:245-6, Sep-Oct 69 (Por)

[Clinical characteristics of obliterating diseases of the peripheral arteries] Akhrem-Akhremovich RM, et al. Klin Med (Mosk) 48:44-8, Nov 70 (Rus)

[Electronic oscillography in the diagnosis of peripheral vascular diseases. IV. Topographical localization of the vascular disorder] Martinez-Muñoz A, et al. Angiologia 22:180-94, Jul-Aug 70 (Spa)

PATHOLOGY

[Thromboangiitis obliterans with involvement of coronary vessel openings] Adler CP, et al. Med Welt 49:2095-101, 5 Dec 70 (Ger)

[Structural changes of the sympathetic ganglia in chronic arteriopathies] Gomez-Marquez J, et al. Angiologia 23:59-63, Mar-Apr 71 (Spa)

PHYSIOPATHOLOGY

Digital systolic pressures in the lower limb in arterial disease. Carter SA, et al. Circulation 43:905-14, Jun 71

RADIOGRAPHY

[Angiography of the upper extremities in the differential diagnosis of Buerger's disease] Custović F, et al. Verh Dtsch Ges Kreislaufforsch 36:360-4, 1970 (Ger)

SURGERY

An extreme example of Buerger's disease. Cabezas-Moya R, et al. Arch Surg 101:632-4, Nov 70

[Direct surgery in peripheral obliterative arteriopathies. Observations on some cases treated with prosthesis] Fortis P, et al. Osp Ital Chir 21:9-31, Jul 69 (Ita)

THERAPY

[Treatment of Buerger's disease] Battezzati M, et al. Minerva Chir 23:1061-5, 31 Oct 68 (Ita)

[Evaluation of adrenal function after unilateral partial adenalectomy] Jeżewska-Musial M, et al. Endokrynol Pol 21:655-8, 1970 (Pol)

[Balneotherapy for patients with obliterative endarteritis and atherosclerosis of the vessels of the extremities at the "Khmel'nik" sanitorium] Deda SS, et al. Vrach Delo 83-4, Jan 71 (Rus)

URINE

[Urinary excretion of 3-methoxy-4-hydroxymandelic acid in patients with obliterative thromboangiitis] Kaniak J, et al. Pol Tyg Lek 26:633-5, 26 Apr 71 (Pol)

THROMBOCYTES see under BLOOD PLATELETS (A11)

THROMBOCYTOPATHY see under BLOOD PLATELET DISORDERS (C9)

THROMBOCYTOSIS (C9)

[Surgical management of Korovnikov's disease] Zimovskif VL, et al. Klin Khir 6:65-6, Jun 70 (Rus)

BLOOD

Inhibitors of fibrinolysis in platelets in polycythaemia vera and thrombocytosis. Kwaan HC, et al. Br J Haematol 21:313-22, Sep 71

COMPLICATIONS

[Leg ulcer of arterial origin with thrombocytosis and IgG monocional gammopathy: pathogenic discussion] Dugois P, et al. Lyon Med 221:1165-7, 11 May 69 (Fre)

[Thrombocytosis in bronchial carcinoma] Cheng SK, et al. Praxis 60:743-6, 8 Jun 71 (Ger)

[Case of giant primary juvenile hepatic cancer with thrombocytosis] Furukawa Y, et al. Naika 28:745-9, Oct 70 (Jap)

ETIOLOGY

The peripheral blood in malignancy. Barrett O Jr. Am Fam Physician GP 2:95-100, Nov 70

Thrombocytosis in acute leukemia. Armata J, et al. Bull Pol Med Sci Hist 14:55-7, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Platelet function: its clinical significance. Ginsburg AD, et al. DM 2-42, Sep 70 (51 ref.)
[Ulcerative colitis and thrombocytosis] Jansen E, et al. Ugeskr Laeger 132:2079-82, 29 Oct 70 (Dan)
[Thrombocytosis in bronchial carcinoma] Cheng SK, et al. Schweiz Med Wochenschr 100:2003, 14 Nov 70 (Ger)

THROMBODYNAMOGRAPHY see under

THROMBELASTOGRAPHY (E1)

THROMBOEMBOLISM (C8)

Thrombotic and embolic complications of ventriculo-atrial shunts. Noble TC, et al. Dev Med Child Neurol [Suppl] 22:Suppl 22:114+, 1970
Thromboembolism in orthopedics. Stevens J. J Arkansas Med Soc 67:431-4, May 71
Thromboembolism in a child. Shaw A, et al. JAMA 217:825-6, 9 Aug 71
Femoropopliteal reconstruction for advanced ischemia of the lower limb. Blumenberg RM, et al. Surgery 69:87-92, Jan 71
Effects of trans-4-aminomethylcyclohexane carboxylic acid as an antifibrinolytic agent on arterial wall and experimental atherosclerotic lesions in rabbits. Kato N, et al. Thromb Diath Haemorrh 24:85-99, 31 Oct 70
[Thromboembolism in pregnancy] Poirier R. Phlebologie 23:275-302, Jul-Sep 70 (Fre)
[Retinal central artery occlusion, sign of asymptomatic thrombosis of the internal carotid] Agnoli A, et al. Rev Otoneuroophtalmol 42:487-92, Dec 70 (Fre)
[Thromboembolism of the extremities. 1st therapeutic measures in the practice and surgical treatment in the clinic] Schriber K, et al. Praxis 59:1468-71, 20 Oct 70 (Ger)
[Clinical and morphological considerations on pulmonary thromboembolic accidents (based on 31 cases)] Schuleri E, et al. Med Interna (Bucur) 23:597-610, May 71 (Rum)
[Acute vascular accidents in ophthalmology] François J, et al. Prensa Med Argent 58:433-40, 30 Apr 71 (Spa)

BLOOD

Fibrinolysis and its pharmacological enhancement in occlusive vascular disease. Fearnley GR. Adv Cardiol 4:211-24, 1970 (21 ref.)
Platelets in thromboembolic disease. Mustard JF. Adv Cardiol 4:131-42, 1970 (79 ref.)
The role of genetic factors and serum protein binding in determining drug response as revealed by comprehensive drug surveillance. Lewis GP, et al. Ann NY Acad Sci 179:729-38, 6 Jul 71
Platelet aggregation and the platelet release reaction in thromboembolism. Mustard JF, et al. Can Med Assoc J 103:859-63, 17 Oct 70
ABO blood types and factors of the blood coagulation and fibrinolysin systems in women. Ambrus MS, et al. J Med (Basel) 1:238-41, 1970
[Defect of activation of the fibrinolytic system after local anoxia in 3 cases of thromboembolic disease] Lacombe MJ, et al. Presse Med 79:751-4, 3 Apr 71 (Fre)

CHEMICALLY INDUCED

Antithrombin 3 depression and thrombin generation acceleration in women taking oral contraceptives. Von Kaulla E, et al. Am J Obstet Gynecol 109:868-73, 15 Mar 71
Role of drug-reaction monitoring in the investigation of thrombosis and "the pill". Inman WH. Br Med Bull 26:248-56, Sep 70
Metabolic, hormonal, and vascular changes after synthetic oestrogen therapy in oophorectomized women. MacGillivray I, et al. Br Med J 2:73-7, 10 Apr 71
Thromboembolic disease and the pill. Nanni LF. Br Med J 3:644, 12 Sep 70
Hormonal contraception and thromboembolic disease: effects of the oral contraceptives on hemostatic mechanisms. A review of the literature. Dugdale M, et al. J Chronic Dis 23:775-90, Mar 71 (99 ref.)
Oral contraceptives, venous thromboembolic disease, and ABO blood type. Westerholm B, et al. Lancet 2:684, 18 Sep 71
Changes in spontaneous fibrinolytic activity during use of oral contraceptives. Hedlin AM, et al. Obstet Gynecol 37:225-32, Feb 71
[Thromboembolism after contraceptive steroids] Vojta M. Cesk Gynekol 36:107-8, Mar 71 (Cze)
[Experimental thromboembolism of renal arteries in the dog] Bost J, et al. C R Soc Biol (Paris) 164:1538-42, 1970 (Fre)
[The thromboembolic hazard in recompensation and anticoagulant treatment] Hochrein M. Munch Med Wochenschr 112:2162-3, 20 Nov 70 (Ger)
[Nicolau syndrome. Pathogenesis and clinical aspects of penicillin-induced arterial embolism] Stiehl P, et al. Schweiz Med Wochenschr 101:377-85, 20 Mar 71 (Ger)
[Arterial occlusions due to adverse effects of oral ovulation inhibitors] Redenbacher M, et al. Z Allgemeinmed 47:811-5, 31 Jun 71 (Ger)
[Postclimacteric administration of estrogens. Risk of thromboembolic complications] Tidsskr Nor Laegeforen 91:1413-4, 30 Jun 71 (Nor)
[Vascular pathology secondary to administration of estroprogestogens] Serban MD. Stud Cercet Endocrinol 22:99-112, 1971 (Rum)
[Adverse effects of contraceptives. 3. Effects on blood coagulation. The problem of thrombosis] Pizzuto J. Gac Med Mex 100:831-49, Aug 70 (Spa)
[Side effects of contraceptive steroids] Rice-Wray E, et al. Ginecol Obstet Mex 29:253-64, Mar 71 (Spa)

COMPLICATIONS

Thromboembolic complications in myelomatosis. Talerman A. Br Med J 3:709, 19 Sep 70
Myopathy of embolic origin in patients with carcinoma. Heffner RR Jr. Neurology (Minneap) 21:840-6, Aug 71
[Platelet thromboembolism and experimental arterial hypertension of renal origin] Moore S. Union Med Can 99:1417-9, Aug 70 (Fre)
[Nonbacterial thrombotic endocarditis, an underestimated disease] Roy LE, et al. Union Med Can 99:74-8, Jan 70 (Fre)
[Rare syndrome of ECG disturbances in a case of thromboembolism of the pulmonary artery] Kotlarek-Haus S, et al. Pol Tyg Lek 25:2035-6, 28 Dec 70 (Pol)
[Association of cancer of the adrenal cortex with thromboembolism] Duplik ZK, et al. Klin Khir 12:54-6, Dec 70 (Rus)
[Focal changes in the myocardium in pulmonary thromboembolism] Makolkin VI, et al. Ter Arkh 41:55-7, Sep 69 (Rus)

DIAGNOSIS

Heparinized catheters and coagulation studies. Merenstein GB. J Pediatr 79:117-9, Jul 71
Thromboembolism: a more vigorous approach. Med J Aust 1:504-5, 6 Mar 71
Antenatal and postnatal thrombo-embolism. Turnbull AC, et al. Practitioner 206:727-35, Jun 71 (21 ref.)
[Thromboembolic disease in pregnancy. 2] Poirier R. Phlebologie 23:335-64, Oct-Dec 70 (Fre)
[Symptomatology in peripheral aneurysms] Marty A. Helv Chir Acta 38:136-7, Apr 71 (Ger)
[Typical changes in Achilles tendon reflex in intermittent claudication] Grüntzig A, et al. Schweiz Med Wochenschr 100:1730-3, 10 Oct 70 (Ger)
[Diagnosis of pulmonary thromboembolism in a surgical clinic] Manevich VL, et al. Khirurgiia (Mosk) 46:60-7, Aug 70 (Rus)
[Ultrasonic diagnosis of thromboembolism of the pulmonary artery] Bogin IuN, et al. Klin Med (Mosk) 48:57-61, Nov 70 (Rus)
[Biochemical diagnosis of thrombosis and thromboembolism of the pulmonary artery following pneumonectomy] Shanin IuN, et al. Vestn Khir 106:90-4, Mar 71 (Rus)

DRUG THERAPY

The search for an anti-thrombotic agent. Mitchell JR. Adv Cardiol 4:233-40, 1970 (22 ref.)
Streptokinase therapy for thromboembolic occlusive vascular disease. Sherry S. Ann Intern Med 74:437-40, Mar 71
Treatment of acute and chronic arterial occlusions with streptokinase. Poliwoda H. Australas Ann Med 19:Suppl 19:25-7, 1970
Outcome of recent thromboembolic occlusions of limb arteries treated with streptokinase. Amery A, et al. Br Med J 4:639-44, 12 Dec 70
Fibrinolytic therapy in thrombo-embolic pulmonary hypertension. Bett JH, et al. Med J Aust 1:273-4, 30 Jan 71
Fibrinolytic therapy in thrombo-embolic pulmonary hypertension. Burnell RH. Med J Aust 1:559, 6 Mar 71
Thrombolytic therapy with streptokinase. Chesterman CN, et al. Med J Aust 2:839-46, 31 Oct 70
[Subcutaneous heparin therapy in cardiologic practice] Faivre G, et al. Ann Cardiol Angeiol (Paris) 18:249-55, Jul-Sep 69 (Fre)
[Practical management of transcutaneous heparin therapy with concentrated calcium heparinate in the treatment and prevention of postoperativve thromboembolic disease] Favre J, et al. Lyon Chir 67:147-50, Mar-Apr 71 (Fre)
[Physiologic and physiopathologic bases of a rational anticoagulant therapy] Raby C. Maroc Med 50:129-45, Mar 70 (Fre)
[Anticoagulant therapy during the acute period myocardial infarct] Prudhomme F, et al. Mars Med 107:995-8, 1970 (Fre)
[Thrombolytic agents and substances with "minor fibrinolytic" effect] Verstraete M, et al. Rev Atheroscler (Paris) 10:21-7, 1968 (Fre)
[Treatment of thromboembolic complications with dipyridamole: Persantine] Berkman M. Therapeutique 47:589-94, Jun-Jul 71 (Fre)
[Use of calcium heparinate in anticoagulant therapy] Vivien P, et al. Therapie 26:141-8, Jan-Feb 71 (Fre)
[Experiences in the prevention of thrombosis using Jatamansin] Mendrzyk H. Dtsch Med J 22:465-6, Jul 71 (Ger)
[Clinical experience report on veno-hexanicit] Graf von Spreti HJ. Med Monatsschr 24:316-8, Jul 70 (Ger)
[Experiences with Calciparin, a new subcutaneously injectable heparin preparation] Seesner HH, et al. Med Welt 5:187-91, 30 Jan 71 (Ger)
[Indications for fibrinolysis] Martin M. Praxis 59:770-5, 26 May 70 (Ger)
[Possibilities of thrombolytic treatment] Fischer M. Wien Klin Wochenschr 83:277-82, 23 Apr 71 (85 ref.) (Ger)
[Development and results of thrombolytic therapy] Deutsch E, et al. Wien Med Wochenschr 121:410-5, 15 May 71 (Ger)
[Basis and practice of therapeutic thrombolysis] Vinazzer H. Wien Med Wochenschr 120:25-7, 17 Jan 70 (Ger)
[Use of plasminogen activator (urokinase) in treatment of hemorrhage and thromboembolism of the eye] Gastaldi GM, et al. Minerva Oftalmol 11:82-9, May-Jun 69 (Ita)
[Present state of anticoagulation therapy] Stormorken H. Tidsskr Nor Laegeforen 91:855-8, 30 Apr 71 (22 ref.) (Nor)
[Treatment of acute thromboembolism by prolonged administration of anticoagulants into the inferior epigastric artery] Zviagin LM, et al. Klin Khir 8:42-3, Aug 70 (Rus)

ENZYMOLOGY

Retention of plasminogen activator and acid phosphatase in lysosomes of lipemic rats. Beard EL. Thromb Diath Haemorrh 25:134-41, 1971

ETIOLOGY

Thromboembolic complications of heart valve prostheses. Friedli B, et al. Am Heart J 81:702-8, May 71
Systemic arterial embolism arising from pulmonary thrombophlebitis. Sloop RD, et al. Am Surg 37:503-5, Aug 71
Thromboembolism after Starr valve replacement. Sarin CL, et al. Br Heart J 33:111-4, Jan 71
Vascular complications of the thoracic outlet syndrome: a case report. Heymann RL, et al. Milit Med 135:793-6, Sep 70
Radiology in the management of arterio-venous shunts. Review of 60 poorly functioning shunts. Grech P, et al. Nephron 7:559-67, 1970
Right ovarian vein syndrome. Reynolds SR. Obstet Gynecol 37:308-13, Feb 71 (36 ref.)
Acute dysfunction of Starr-Edwards mitral prostheses. Gunstensen J. Thorax 26:163-6, Mar 71
[Thromboembolic disease due to clinically unmanifested endoappendicitis] Germain P, et al. Ann Med Interne (Paris) 120:569-74, Aug-Sep 69 (Fre)
[Critical and therapeutic study of local complications of retrograde arteriography. Apropos of 20 cases] Bigot R, et al. Ann Radiol (Paris) 14:471-80, May-Jun 71 (Fre)
[Thromboembolic complications in transcutaneous retrograde arteriography using Seldinger's method] Doutre LP, et al. Arch Fr Mal App Dig 59:703-8, Oct-Nov 70 (Fre)
[Thromboembolitic surgical risk with women under estroprogesterone treatment (3 cases)] Rochet Y, et al. Gynecol Obstet (Paris) 68:59-64, Jan-Mar 69 (Fre)
[Arterial embolism of aortic origin] Chapuis G, et al. Helv Chir Acta 38:101-4, Apr 71 (Fre)
[Phenomenon of rejection and disseminated intravascular coagulation: a case of human heart transplantation] Baille Y, et al. Laval Med 41:Suppl:700-5, May 70 (Fre)
[Development of manifest and latent arterial occlusion illnesses in "vascularly healthy" people] Thiele P, et al. Dtsch Gesundheitsw 25:1638-42, 27 Aug 70 (Ger)
[Hazards of thromboembolism in lymphography (blood coagulation tests)] Ardelt W, et al. Geburtshilfe Frauenheilkd 31:772-7, Aug 71 (Ger)
[Diagnostic problems in traumatic brachial artery occlusion] Meyer-Fürst P. Helv Chir Acta 38:132-5, Apr 71 (Ger)
[Thromboembolic complications and alloplastic heart valve prosthesis] Alieff A. Munch Med Wochenschr 110:2270-3, 4 Oct 68 (Ger)
[Thromboembolism in gynecology and obstetrics] Moayer M, et al. Zentralbl Gynaekol 92:1449-58, 31 Oct 70 (Ger)
[Statistical study of phlebothromboembolic disease in traumatic lesions of the lower extremities] Trinchi E, et al. Fracastoro 63:60-5, Jan-Feb 70 (Ita)
[Phlebothromboembolic complications in traumatic lesions of the lower extremities] Trinchi E, et al. Fracastoro 63:47-59, Jan-Feb 70 (Ita)
[Late complications of valvular prosthesis. Mitral valve thrombosis] Fontes VF, et al. Arq Bras Cardiol 23:147-54, Jun 70 (Por)
[Pathogenesis of thromboembolic complications in rheumocarditis] Tsintsadze IN, et al. Ter Arkh 42:110-5, Apr 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Pathogenensis of thromboembolic complications in rheumatism in children] Briazgunov IP, et al. Pediatr Akush Ginekol 3:18-9, May-Jun 69 (Ukr)

MORTALITY

Deaths among users of oral and nonoral contraceptives. Fuertes-de la Haba A, et al. Obstet Gynecol 36:597-602, Oct 70

[Women mortality due to thromboembolism in connection with gestation] Martinčík J. Zentralbl Gynaekol 92:1600-3, 28 Nov 70 (Ger)

OCCURRENCE

Postoperative thromboembolism after different modes of artificial respiration. Tammisto T, et al. Acta Chir Scand 136:39-44, 1970

Sterilization and thrombo-embolism. Turner G, et al. J Obstet Gynaecol Br Commonw 78:737-40, Aug 71

Incidence of thromboembolism after stopping anticoagulant therapy. Relationship to hemorrhage at the time of termination. Michaels L. JAMA 215:595-9, 25 Jan 71

Venous thromboembolic disease and ABO blood type. Bates M. Lancet 1:239, 30 Jan 71

Blood-groups and blood-clotting. Mourant AE, et al. Lancet 1:223-7, 30 Jan 71

Peripheral arterial disease in Ceylon. Kradjian R, et al. Surgery 69:523-5, Apr 71

[Thromboembolic disease in pregnancy] Martinčík J, et al. Zentralbl Gynaekol 93:457-61, 3 Apr 71 (Ger)

[Human repercussions of internal solar effects] Poumailloux M. Rev Clin Esp 115:507-20, 31 Dec 69 (28 ref.) (Spa)

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 27-1971. N Engl J Med 285:103-13, 8 Jul 71

PHYSIOPATHOLOGY

[Economic and uneconomic endogenous regulations in disturbed arterial blood flow] Dihlmann W, et al. Radiologe 11:123-9, Mar 71 (Ger)

PREVENTION & CONTROL

Preoperative anticoagulant treatment in gynaecological surgery. Pyörälä T, et al. Acta Obstet Gynecol Scand 49:215-20, 1970

Elastic compression of the lower limbs: merits and hazards. Husni EA, et al. Am Heart J 82:132-3, Jul 71

Prevention of postoperative thromboemboli by combined treatment with low-molecular-weight dextran and a proteinase inhibitor. A study with use of thromboelastogram. Kimche D, et al. Ann Surg 173:164-72, Jan 71

Comparative evaluation of ligation and partial interruption of the inferior vena cava. Adams JT, et al. Arch Surg 103:272-6, Aug 71

Digitalis and mitral surgery. Pintor PP, et al. Cardiology 55:34-40, 1970

Altered platelet function in patients with prosthetic mitral valves. Effects of sulfinpyrazone therapy. Welly HS, et al. Circulation 42:967-72, Nov 70

Prevention and early detection of thromboembolic disease. Sub-committee on Thromboembolism. Circulation 41:A31-8, Jun 70

Prevention and early detection of thromboembolic disease. Wessler S, et al. J Am Osteopath Assoc 69:1152-9, Jul 70

Elastic support of the lower limbs in hospital patients. A critical study. Husni EA, et al. JAMA 214:1456-62, 23 Nov 70

Prevention of fatal postoperative thromboembolism by heparin prophylaxis. Benson EA. Lancet 2:1135, 28 Nov 70

Prevention of fatal postoperative thromboembolism by heparin prophylaxis. Sharnoff JG, et al. Lancet 2:1006-7, 14 Nov 70

Pharmacological fibrinolysis after surgical operations. Lancet 1:789-90, 17 Apr 71

Reduction in venous thromboembolism by agents affecting platelet function. Salzman EW, et al. N Engl J Med 284:1287-92, 10 Jun 71

Thrombosis prevention. Sherry S. N Engl J Med 284:1324-6, 10 Jun 71

Pharmacologic control of thromboembolic complications of cardiac-valve replacement. Sullivan JM, et al. N Engl J Med 284:1391-4, 24 Jun 71

Thromboembolism--a continuing challenge. Weiss HJ. N Engl J Med 283:1341-2, 10 Dec 70

Effect of dipyridamole on the accumulation of thrombotic deposit on an intracardiac prosthetic device: an experimental study. Turina M, et al. Surgery 69:445-50, Mar 71

Management of anticoagulant therapy during pregnancy in patients with prosthetic heart valves. Jenkins BS, et al. Thorax 26:206-11, Mar 71

[Prevention of thrombosis in surgical patients] Roos J. Ned Tijdschr Geneeskd 114:1828-33, 31 Oct 70 (55 ref.) (Dut)

[Our experience with postoperative preventive anticoagulant treatment. Apropos of 348 pneumonectomies] Gaillard J, et al. Ann Chir Thorac Cardiovasc 10:339-47, Jul 71 (Fre)

[Trial prevention of thrombosis with low molecular weight dextran during selective arteriography] Heitz F, et al. Ann Radiol (Paris) 14:501-10, May-Jun 71 (Fre)

[Trans-cutaneous heparin therapy in the prevention of the postoperative thromboembolic disease] Favre J, et al. Cah Anesthesiol 18:759-93, Oct 70 (Fre)

[Sintrom in surgery] Leman S. J Sci Med Lille 86:265-72, Apr 68 (Fre)

[Practical management of transcutaneous heparin therapy with concentrated calcium heparinate in the treatment and prevention of postoperativve thromboembolic disease] Favre J, et al. Lyon Chir 67:147-50, Mar-Apr 71 (Fre)

[Long-term anticoagulant therapy in traumatology (surveillance by thrombelastography)] Figarella J, et al. Mars Med 107:1005-8, 1970 (Fre)

[Study of a current coumarinic agent in gynecology and obstetrics (apropos of 300 cases)] Szwarcberg R, et al. Rev Fr Gynecol Obstet 66:357-60, May 71 (Fre)

[Prevention of thrombo-embolic complications in orthopedic surgery] Bousquet. Rev Lyon Med 17:501-6, 15 Jun 68 (Fre)

[Anticoagulants in burn patients] Hainaut J, et al. Therapie 26:317-28, Mar-Apr 71 (Fre)

[Anticoagulants in traumatology] Thies HA. Hefte Unfallheilkd 102:56-63, 1970 (Ger)

[Comparative studies on prevention of thromboembolism using panthesin-hydergin] Schwalbe E, et al. Med Monatsschr 25:185-8, Apr 71 (Ger)

[Drug inhibition of blood platelet function. A new trend in the prevention of thromboembolic diseases] Joist JH. Med Welt 27:1247-51, 4 Jul 70 (Ger)

[Prevention of thrombosis in heart insufficiency with Solvosal-Heparin] Kunzmann G, et al. Med Welt 31:1388-90, 8 Aug 70 (Ger)

[Anticoagulants and thrombolytic agents in pregnancy and puerperium] Appel W. Z Allgemeinmed 47:345-50, 10 Mar 71 (Ger)

[Prevention of thromboembolism with Athrombon after suprapubic transvesical prostatectomy] Albert L, et al. Z Urol Nephrol 62:543-9, 1969 (Ger)

[The role of low molecular dextran in the prevention of thromboembolic complications] Vecsey D, et al. Orv Hetil 112:54-5, 3 Jan 71 (Hun)

[Recent clinical indications of plasma substitutes] Gruber UF. Acta Anaesthesiol (Padova) 20:1133-47, Nov-Dec 69 (Ita)

[Anticoagulatory therapy in myocardial infarct: case contribution] Binaghi G, et al. Boll Soc Ital Cardiol 15:47-51, 1970 (Ita)

[Prevention of hemorrhagic and thromboembolic complications in heart valve prosthesis] Pospelova EP, et al. Grudn Khir 13:49-51, Jan-Feb 71 (Rus)

[Some surgical aspects of the problem of postoperative thromboembolism] Turovets IG. Klin Khir 12:17-21, Dec 70 (Rus)

[Prevention of thromboembolic complications in postoperative period] Klimenko SM. Pediatr Akush Ginekol 4:58-60, Jul-Aug 70 (Ukr)

SURGERY

Comparative evaluation of ligation and partial interruption of the femoral vein in the treatment of thromboembolic disease. Adams JT, et al. Ann Surg 172:795-803, Nov 70

Arteriovenous fistula following the use of the Fogarty balloon catheter. Report of a case. Rob C, et al. Arch Surg 102:144-5, Feb 71

Influence of cardiac disease upon partial and complete interruption of the vena cava for thromboembolism. Callow AD, et al. Bull Soc Int Chir 29:204-9, Jul-Aug 70

Surgery of venous and thromboembolic disease. Hunter JA. Surg Clin North Am 51:99-110, Feb 71

An improved balloon catheter for the removal of vascular clots. Klieman C. Surgery 68:806-8, Nov 70

[Surgical treatment of acute arterial obliteration of the limbs. Apropos of 100 cases] Kieffer E, et al. Ann Chir Thorac Cardiovasc 9:217-28, Apr 70 (Fre)

[False anterior tibial arterial aneurysm after thromboembolectomy with Fogarty's catheter] Colas JL, et al. Union Med Can 99:1274-6, Jul 70 (Fre)

[Axillofemoral synthetic bypass] Vogt B, et al. Helv Chir Acta 38:147-50, Apr 71 (Ger)

[The effect of late embolectomy on the function of the extremity] Bartos G, et al. Orv Hetil 112:1035-8, 2 May 71 (Hun)

[On the use of the Foley catheter in the treatment of ischemic syndromes of the extremities] Trabattoni P, et al. Minerva Cardioangiol 19:65-72, Feb 71 (Ita)

[Anatomic substantiation of embol- and intimectomy of the superior mesenteric artery] Krupachev IF, et al. Khirurgiia (Mosk) 46:111-5, Aug 70 (Rus)

[Unresolved problems of acute arterial occlusions of the extremities] Alekseev PP. Sov Med 33:83-8, Dec 70 (Rus)

[Treatment of acute obstruction of the upper mesenterial artery] Davydov IuA. Vestn Khir 105:24-9, Sep 70 (Rus)

[Surgical treatment of chronic arterial obstructionx of the legs] Abelleyra J, et al. Prensa Med Argent 56:1788-90, 21 Nov 69 (Spa)

[Surgical treatment of arterial embolism] Oglietti J, et al. Prensa Med Argent 56:1777-80, 21 Nov 69 (Spa)

THERAPY

Resources for the acute care of peripheral vascular diseases. Peripheral Vascular Diseases Study Group. Circulation 43:Ai61-9, Apr 71

[Therapeutic indications in acute arterial obstruction of the extremities] Vaysse J, et al. Rev Atheroscler (Paris) 10:37-46, 1968 (Fre)

VETERINARY

An investigation into the relationship of an aortic embolus to posterior paralysis in the cat. Butler HC. J Small Anim Pract 12:141-58, Mar 71

[Acute bilateral renal vein thrombosis in young oxen] Weiss E, et al. Berl Munch Tieraerztl Wochenschr 83:436-9, 15 Nov 70 (Ger)

THROMBOLYTIC AGENTS see FIBRINOLYTIC AGENTS (D7)

THROMBOPENIA (C9)

Differential diagnosis and management of thrombocytopenias. Harrington WJ. Med Times 99:53-66, Apr 71

[Childbirth in thrombocytopenia] Stamm H. Ther Ggw 109:1732-3 passim, Dec 70 (Ger)

[The hemolytic-uremic syndrome in the course of other pathological conditions in children] Halikowski B, et al. Pediatr Pol 46:591-4, May 71 (Pol)

[Clinical analysis of megakaryocyte thrombocytopenia] Ciedluk S, et al. Wiad Lek 24:97-102, 15 Jan 71 (Pol)

[Chronic idiopathic thrombocytopenia and pregnancy] Dragović D, et al. Med Pregl 23:231-3, 1970 (Ser)

BLOOD

Influence of repeated acute thrombocytopenias on the reappearance of circulating blood platelets. Kraytman M. Blood 37:323-9, Mar 71

An example of polyagglutinability due to the Tn antigen. Gunson HH, et al. Br J Haematol 18:309-16, Mar 70

Thrombopoietin activity in children with cyanotic congenital heart disease. Goldschmidt B. Scand J Haematol 7:289-93, 1970

[Survival time and sequestration of blood platelets in various forms of idiopathic thrombopenic purpura] Dimitrow L, et al. Blut 22:255-61, May 71 (Ger)

CHEMICALLY INDUCED

Effects of a cytostatic agent and of a fibrinstabilizing factor on atherosclerosis in the rabbit. Benkö S, et al. Acta Med Acad Sci Hung 27:341-9, 1970

Hemolytic-uremic-like syndrome following polycarboxylate interferon induction. Treatment of Dawson's inclusion-body encephalitis. Leavitt TJ, et al. Am J Dis Child 121:43-7, Jan 71

Thrombocytopenia of severe alcoholism. Cowan DH, et al. Ann Intern Med 74:37-43, Jan 71

Rifampicin and thrombocytopenia. Ferguson GC. Br Med J 3:638, 11 Sep 71

Methyldopa and associated thrombocytopenia. Manohitharajah SM, et al. Br Med J 1:494, 27 Feb 71

Potentially serious side effects of high-dose twice-weekly rifampicin. Poole G, et al. Br Med J 3:343-7, 7 Aug 71

Maternal thiazides and platelet counts of neonates. Leikin SL. J Pediatr 77:1097-8, Dec 70

Neonatal thrombocytopenia and congenital malformations associated with administration of tolbutamide to the mother. Schiff D, et al. J Pediatr 77:457-8, Sep 70

Rifampicin and thrombocytopenia. Cameron SJ. Lancet 2:167, 17 Jul 71

Rifampicin and thrombocytopenia. Esposito R, et al. Lancet 2:491-2, 28 Aug 71

Thrombocytopenia and L.E. cells after oxyphenbutazone. Handley AJ. Lancet 1:245-6, 30 Jan 71

Rifampicin and thrombocytopenia. Leggat PO. Lancet 2:103-4, 10 Jul 71

Thrombocytopenia following administration of "septrin". McPherson VJ, et al. Med J Aust 2:754, 17 Oct 70

Rifampicin and thrombocytopenia. Med J Aust 2:994, 28 Nov 70

[Reversible thrombopenia in the clinical use of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

antilymphocyte serum] Andrassy K, et al.
Klin Wochenschr 49:47-8, Jan 71 (Ger)
[Thrombocyte kinetics in patients with Werlhof's disease and drug-induced allergic thrombocytopenia] Schulz K, et al.
Radiobiol Radiother (Berl) 11:139-47, 1970 (Ger)
[Serious complication caused by an obsolete nonprescription preparation] Naess K.
Tidsskr Nor Laegeforen 91:1480-1, 10 Jul 71 (Nor)
[Effect of rubomycin C on the blood system in experimental conditions] Gol'dberg DI, et al.
Antibiotiki 16:240-3, Mar 71 (Rus)
[Use of the thromboelastographic method in the evaluation of the functional properties of thrombocytes] Zhukovskaia ES.
Lab Delo 8:491-4, 1970 (Rus)

CLASSIFICATION

[Clinical contribution to the knowledge of neonatal thrombocytopathies] Pilotti G.
Minerva Pediatr 21:1147-56, 23 Jun 69 (Ita)

COMPLICATIONS

Giant haemangioma with a disorder of coagulation. Henriksson P, et al.
Acta Paediatr Scand 60:227-34, Mar 71
Thrombocytopenia and decreased life-span of thrombocytes in hyperthyroidism. Lamberg BA, et al.
Ann Clin Res 3:98-102, Apr 71
Spleno-renal shunt, cholecystectomy, and appendectomy in a patient with hemophilia A, and abnormal fibrinogen, and thrombocytopenia. Gaston LW, et al. Ann Surg 173:234-7, Feb 71
A comparative study of hypersplenism in reactive and congestive splenomegaly. Bagshawe A.
Br J Haematol 19:729-37, Dec 70
More maladies in Mediterranean migrants stomatocytosis and macrothrombocytopenia. Lander H. Med J Aust 1:438-40, 20 Feb 71
The hemolytic uremic syndrome. Sumarmo.
Paediatr Indones 10:157-70, Jul-Aug 70 (31 ref.)
The hemolytic uremic syndrome. Sumarmo.
Paediatr Indones 10:157-70, Jul-Aug 70
[Anatomo-pathologic study of 35 cases of hemolytic and uremic syndrome in children] Habib R, et al.
Arch Fr Pediatr 26:391-416, Apr 69 (Fre)
[Clinical and biologic study of 37 cases of hemolytic and uremic syndrome] Mathieu H, et al.
Arch Fr Pediatr 26:369-90, Apr 69 (Fre)
[Congenital dyskeratosis with thrombopenia. Its relations with Fanconi's anemia] Barrière H, et al.
Bull Soc Fr Dermatol Syphiligr 77:864-8, 1970 (Fre)
[The hemolytic and uremic syndrome in children. Apropos of 11 cases] Fournier A, et al.
J Trop Med Hyg 89:93-110, Mar 71 (Fre)
[Erythroblastopenia during an anemia of folic acid deficiency in pregnancy] Messerschmitt J, et al.
Nouv Rev Fr Hematol 11:119-27, Jan-Feb 71 (Fre)
[Treatment of chronic hepatitis by immunodepressors] Magyar I, et al. Rev Int Hepatol 19:147-62, 1969 (Fre)
[Multiple haemangiomatosis with thrombocytopenia in infancy] Abel J, et al.
Monatsschr Kinderheilkd 119:460-4, Aug 71 (Ger)
[Fatal intracranial bleeding in thrombocytopenia. Report on a case] Lehmann W, et al.
Psychiatr Neurol Med Psychol (Leipz) 22:262-5, Jul 70 (Ger)
[Neutropenia and thrombocytopenia with prolonged course] Lewinski U, et al.
Harefuah 77:450-2, 16 Nov 69 (Heb)
[2 cases of lupus erythematosus associated with hemolytic anemia and thrombopenia] Boccardi V, et al. Haematol Lat 13:77-87, Jan-Mar 70 (Ita)
[Thrombopenia in a woman with vaginal penicilliosis] Machnicki S, et al. Przegl Lek 26:782-4, 1970 (Pol)

DIAGNOSIS

Neonatal thrombocytopenia. Strauss RG, et al.
J Pediatr 78:724-5, Apr 71
Survival of 51Cr-labelled autologous and isologous platelets as differential diagnostic aid in thrombocytopenic states. Abrahamsen AF.
Scand J Haematol 7:525-8, 1970
[Difficulty in diagnosis of hemolytic-uremic syndrome in adults] Kosmák I, et al.
Vnitr Lek 17:339-44, Apr 71 (Cze)
[The aplastic syndrome. Brief introsuction into some of its problems] Gross R.
Internist (Berlin) 12:149-51, Apr 71 (Ger)
[The hemolytic-uremic syndrome in childhood] Gallo GE, et al. Med Welt 33:1253-6, 21 Aug 71 (Ger)

DRUG THERAPY

Heparin-treated haemolytic-uraemic syndrome simulating Fabry's disease. Hall GH, et al.
Br Med J 2:317-8, 8 May 71
Heparin therapy in meningococcal thrombocytopenic coagulopathy. Pierce LE, et al.
Med Ann DC 40:19-22, Jan 71
Effect of heparin on endotoxin-induced thrombocytopenia. Corrigan JJ Jr.
Proc Soc Exp Biol Med 136:124-6, Jan 71
[Increased fibrinolytic activity in thrombocytopenia and its therapeutic modification by PAMBA] Thiele G. Z Aerztl Fortbild (Jena) 63:1296-8, 15 Dec 69 (Ger)
[Corticotherapy in infantile hematology] Paolucci G, et al. Minerva Pediatr 21:1989-2005, 27 Oct 69 (Ita)
[Immunosuppressive drugs in hematology] Sánchez Fayos J, et al. Rev Clin Esp 116:549-60, Mar 70 (Spa)

ETIOLOGY

Recurrent thrombocytopenia in Gaucher's disease responding to a second "splenectomy": report of a case. Vogel JM, et al.
Am J Clin Pathol 55:489-95, Apr 71
Thrombocytopenia in Gaucher's disease. Green D, et al.
Ann Intern Med 74:727-31, May 71
The hemolytic uremic syndrome. Renal cortical thrombotic microangiopathy. Hammond D, et al.
Arch Intern Med 128:816-22, Nov 70
Acute complement-mediated haemolysis in the rabbit: relationship between the thrombocytopenia and neutropenia and complement consumption. Brown DL. Br J Haematol 19:499-513, Oct 70
Gross splenomegaly and pancytopenia. Grave GF.
Cent Afr J Med 16:261-3, Nov 70
Platelet function: its clinical significance. Ginsburg AD, et al. DM 2-42, Sep 70 (51 ref.)
The thrombocytopenias. Pathogenetic mechanisms. Baldini MG. Haematol Lat 12:597-606, Jul-Dec 69
Thrombocytopenia in a patient with polycythaemia. Shaw JM, et al. Lancet 2:877, 24 Oct 70
Causes of thrombocytopenia in a hospital population. A six-months survey of 7,750 patients. Pembrey RG, et al. Med J Aust 1:583-8, 13 Mar 71
Idiopathic thrombocytopenia. Green RA, et al.
Minn Med 54:657-63, Aug 71
Platelet response to induction of hemorrhagic pancreatitis. Byrne JJ, et al.
Proc Soc Exp Biol Med 136:994-6, Mar 71
Profound thrombocytopenia associated with Crotalus ruber ruber envenomation: a clinical case. Lyons WJ.
Toxicon 9:237-40, Jul 71
[Infectious mononucleosis with severe thrombopenia] Stacquez C, et al. Acta Clin Belg 24:168-72, 1969 (Fre)
[Giant angioma with thrombopenia] Bouyala JM, et al.
Ann Chir Infant 12:133-40, Mar-Apr 71 (Fre)
[Thrombocytopenia and malignant diseases] Paulus JM. Brux Med 48:83-6, Feb 68 (Fre)
[Thrombopenia in experimental HIPA plasmacytoma in the BALB-c mouse] Schweyer H, et al.
Acta Haematol (Basel) 44:305-19, 1970 (Ger)
[Thymoma with aplastic anemia and hypersplenic syndrome] Seigrad P.
Med Welt 6:219-20, 6 Feb 71 (Ger)
[A serious complication caused by an obsolete nonprescription preparation] Naess K.
Tidsskr Nor Laegeforen 91:1345, 20 Nov 71 (Nor)

FAMILIAL & GENETIC

Metabolic observations on platelets from patients with familial thrombopathic thrombocytopenia.
Baadenhuijsen H, et al.
Br J Haematol 20:417-26, Apr 71
Haemocytic periodicity and periodic disorders: periodic neutropenia, thrombocytopenia, lymphocytosis and anaemia. Reimann HA.
Postgrad Med J 47:504-10, Jul 71 (49 ref.)

IMMUNOLOGY

[Allergic blood diseases] Pribilla W.
Dtsch Med J 21:889-99, 5 Jul 70 (Ger)
[Immune thrombocytopenia] Heimpel H, et al.
Med Klin 65:767-71, 17 Apr 70 (Ger)
[Antithrombocyte antibodies in diagnoses] Bube FW, et al. Med Lab (Stuttg) 24:37-44, Feb 71 (Ger)
[Thrombocyte antibodies in diagnostics] Leverenz S, et al. Z Gesamte Inn Med 24:Suppl:163-6, 1 Jan 69 (Ger)

METABOLISM

Serum levels of fibrin-fibrinogen degradation products in the haemolytic-uraemic syndrome. Uttley WS.
Arch Dis Child 45:587-9, Aug 70

OCCURRENCE

Venous platelet counts in low birth weight infants. Appleyard WJ, et al. Biol Neonate 17:30-4, 1971

PATHOLOGY

Hemolytic--uremic syndrome in an adult: light and electron microscopic observations. Rosen S, et al.
Am J Clin Pathol 54:33-46, Jul 70
Hodgkin's disease complicated by thrombocytopenia and nephrotic syndrome. Am J Med 51:109-20, Jul 71
Polyploidization of megakaryocytes in normal humans, in patients with idiopathic thrombocytopenia and with pernicious anaemia. Queisser U, et al.
Br J Haematol 20:489-501, May 71
[Clinical and anatomo-pathologic comparison between fatal and curable forms of hemolytic and uremic syndrome] Habib R, et al.
Arch Fr Pediatr 26:417-32, Apr 69 (Fre)

PHYSIOPATHOLOGY

Thrombocytes and pulmonary vascular resistance during hemorrhagic hypotension. Bo G, et al.
Acta Physiol Scand 82:218-28, Jun 71
Assay of Megakaryocytopoiesis in thrombocytopenic rats. Odell TT Jr, et al. Br J Haematol 21:233-40, Aug 71

SURGERY

Recurrent thrombocytopenia in Gaucher's disease responding to a second "splenectomy": report of a case. Vogel JM, et al.
Am J Clin Pathol 55:489-95, Apr 71
[Prophylactic central reno-splenic anastomosis in the treatment of esophageal varices and hypersplenic thrombocytopenia] Jankau O, et al.
Pol Tyg Lek 26:802-3, 24 May 71 (Pol)

THERAPY

Splenectomy in Hodgkin's Disease for splenomegaly, cytopenias and intolerance to myelosuppressive chemotherapy. Lowenbraun S, et al.
Am J Med 50:49-55, Jan 71
Platelet transfusions. Br Med J 1:2-3, 2 Jan 71
[Peritoneal dialysis in acute renal failure in infants and small children] Goll U, et al.
Arch Kinderheilkd 182:7-16, 1970 (Ger)
[Studies of the effectivity of thrombocyte concentrates by nuclear medical and coagulatory physiological methods] Preussner S, et al.
Folia Haematol (Leipz) 95:55-65, 1971 (Ger)
[Platelet deficiency in pregnancy and puerperium] Bergamaschi P, et al.
Arch Ostet Ginecol 75:200-14, May-Jun 70 (Ita)
[Effect of splenectomy on the clinical picture and the survival time of platelets in children with chronic idiopathic thrombocytopenia] Kozlowska J, et al.
Pediatr Pol 45:901-9, Aug 70 (Pol)

THROMBOPHLEBITIS (C8)

Phlegmasia cerulea dolens. Galvin C.
Angiology 22:237-43, May 71
Thrombophlebitis in pregnancy. Byrne JJ.
Clin Obstet Gynecol 13:305-20, Jun 70 (25 ref.)
Scrotal thrombophlebitis: report of a case. Isbister WH.
J Urol 105:409-10, Mar 71
Deep vein thrombosis. Mavor GE.
Postgrad Med J 47:311-22, May 71 (65 ref.)
Venous thrombosis. Gaylis H.
S Afr J Surg 8:31-6, 1970 (25 ref.)
Deep vein thrombosis. Mavor GE.
Scott Med J 15:457-67, Dec 70 (43 ref.)
The fibrinolytic activity in tissues during the peripheral venous occlusion in rat. Szczepański M, et al. Thromb Diath Haemorrh 24:522-9, 31 Dec 70
The prognosis in retinal vein thrombosis. Hill DW, et al.
Trans Ophthalmol Soc UK 90:309-22, 1970
Acute thrombophlebitis. Ramstedt R, et al.
Wis Med J 70:97-102, Mar 71
[Hypofibrinogenemia and venous thrombosis during retention of a dead fetus. Effect of heparin therapy] Mahon R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:444-6, Nov-Dec 68 (Fre)
[Migrating and recurrent superficial thrombophlebitis] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 76:647-9, 1969 (Fre)
[Phlegmasia cerulea dolens with congenital primary left iliac vein abnormality: recovery after thrombectomy, partial extracorporeal circulation and venous graft] Neveux JY, et al.
Chirurgie 96:395-401, 1970 (Fre)
[Recurring venous thrombosis, clinically secondary] Griton P. Phlebologie 23:225-6, Jul-Sep 70 (Fre)
[2 cases of recurrent venous thrombosis] Hutinel B.
Phlebologie 23:219-20, Jul-Sep 70 (Fre)
[12 cases of clinically primary recurring venous thrombosis (migrant phlebitis)] Robert P, et al.
Phlebologie 23:211-4, Jul-Sep 70 (Fre)
[Collateral circulation in thrombotic obstruction of the subclavian vein] Sieberns H.
Fortschr Geb Roentgenstr Nuklearmed 114:801-12, Jun 71 (Ger)
[Renal vein thrombosis in newborn infants from blood coagulation analytic viewpoint. 5 clinical cases with the symptoms of consumption coagulopathy] Künzer W, et al. Helv Paediatr Acta 25:325-35, Jul 70 (Ger)
[Thrombophlebitis of the cavernous sinus] Maier I.
HNO 18:317-20, Oct 70 (Ger)
[Pelvic vein thrombosis] Beneke G, et al.
Med Welt 42:1809-12, 17 Oct 70 (Ger)
[Iliocaval thrombosis] Zambianchi C, et al.
Ann Ital Chir 45:1171-88, 1970 (Ita)
[Primary thrombosis of the subclavian vein] Jacovella G, et al. G Ital Cardiol 1:159-63, 1971 (Ita)
[Phlegmasia coerulea dolens (report of a clinical case

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and review of the literature)] De Cesare E, et al. Policlinico [Chir] 76:232-66, Jul-Aug 69 (Ita)
[On an unusual case of splenic thrombophlebitis in the puerperium] Valente P.
Rass Int Clin Ter 51:299-304, 15 Mar 71 (Ita)
[The stoned syndrome (Martorell's disease)] Ribeiro SA, et al. Arq Bras Med 54:85-7, Mar 67 (Por)
[Remote results after puerperal thrombophlebitis of deep veins of the thigh] Akkerman LI, et al. Akush Ginekol (Mosk) 46:70-2, Feb 70 (Rus)
[Case of thrombosis of major veins in obstetrics and gynecology] Mianniste IuE, et al. Akush Ginekol (Mosk) 46:74-5, Jul 70 (Rus)
[The Paget-Schroetter syndrome] Kukeev TK. Khirurgiia (Mosk) 47:136-9, Feb 71 (Rus)
[Differential diagnosis of patency disturbances of the splenoportal trunk] Makhov NI, et al. Khirurgiia (Mosk) 46:99-104, Apr 70 (Rus)
[Paget-Schroetter syndrome] Klepov ID. Klin Khir 8:7-10, Aug 70 (Rus)
[Phlebothrombosis of the deep veins of the leg and major veins of the pelvis] Deliia DG, et al. Klin Med (Mosk) 48:34-9, Nov 70 (Rus)
[Paget-Schroetter syndrome in a premature infant] Bozhkov LK. Vopr Okhr Materin Det 16:83-5, Jan 71 (Rus)
[Isolated thrombosis of the superficial femoral artery. Report of 4 cases] Eizaguirre AJ, et al. Arch Inst Cardiol Mex 41:167-72, Mar-Apr 71 (Spa)
[Primary mesenteric venous thrombosis] Martinez Rodriguez E. Rev Esp Enferm Apar Dig 30:683-90, 15 Mar 70 (Spa)

BLOOD

Blood fibrinolytic activity in deep-vein thrombosis. Menon JS, et al. Lancet 1:242-3, 30 Jan 71
[Inhibition of fibrinolysis and intravascular coagulation] Pizzuto J, et al. Rev Invest Clin 21:425-36, Oct-Dec 69
[Behavior of the hematocrit value in experimental lymphangiothrombophlebitis] Földi M, et al. Arzneim Forsch 20:Suppl 11a:1633+, Nov 70 (Ger)
[Status of the blood coagulation and anticoagulation system in endarteriosis, atherosclerosis and thrombophlebitis of the lower extremities] Chubinidze PN. Klin Khir 4:84-6, Apr 70 (Rus)

CHEMICALLY INDUCED

Propanidid in anaesthesia. Lowson JA. Med J Aust 2:340, 15 Aug 70
A case of thrombophlebitis in a woman on oral contraceptive. Rajakumar MK. Med J Malaya 25:68-9, Sep 70
Thrombophlebitis among oral and nonoral contraceptive users. Fuertes-de la Haba A, et al. Obstet Gynecol 38:259-63, Aug 71
[The pill and thrombosis] Ottolander GJ den. Ned Tijdschr Verloskd Gynaecol 70:556-62, Dec 70 (Dut)
[Contraception and thromboembolic vascular complications] Jaillard J. Lille Med 16:37-9, 1971 (Fre)
[Cerebral venous thrombosis and oral contraception] Mulder OG, et al. Rev Neurol (Paris) 124:84-90, Jan 71 (Fre)

COMPLICATIONS

Progressive dementia caused by an unusual type of generalized small vessel thrombosis. Torvik A, et al. Acta Neurol Scand 47:137-50, 1971
Acute renal failure following renal vein thrombosis in conjoined twins. Management by exchange transfusions. Ghai OP, et al. Am J Dis Child 121:57-9, Jan 71
Budd-Chiari syndrome associated with obstruction of the inferior vena cava. A report of seven cases. Takeuchi J, et al. Am J Med 51:11-20, Jul 71
Thrombophlebitis associated with pregnancy. Aaro LA, et al. Am J Obstet Gynecol 109:1128-36, 15 Apr 71
Systemic arterial embolism arising from pulmonary thrombophlebitis. Sloop RD, et al. Am Surg 37:503-5, Aug 71
Obstruction of the inferior vena cava with renal vein thrombosis. Report of a case in a 3-year-old boy, and review of the literature. Papaioannou AC, et al. Angiology 22:114-20, Mar 71
Internal carotid artery occlusion in cavernous sinus thrombosis. Mathew NT, et al. Arch Neurol 24:11-6, Jan 71
Vascular transformation of lymph node sinuses due to venous obstruction. Haferkamp O, et al. Arch Pathol 92:81-3, Aug 71
Balloon blockade of the inferior vena cava. Lewis MR, et al. Arch Surg 102:209-10, Mar 71
Involvement of veins in Behcet's syndrome. Haim S, et al. Br J Dermatol 84:238-41, Mar 71
Experimental venous lesions of the colon. Marcuson RW, et al. Br J Surg 58:304, Apr 71
Myocardial infarction and deep-vein thrombosis. Nicolaides AN, et al. Br Med J 1:432-4, 20 Feb 71
Pelvic venous thrombosis with pulmonary infarction. Sarma OA. Indian J Chest Dis 12:73-7, Jan-Apr 70
Unilateral renal vein thrombosis and nephrotic syndrome. Duncan AW, et al. J Urol 104:502-6, Oct 70
[Postthrombotic syndrome in accident expert testimony] Hohlbaum GG. Monatsschr Unfallheilkd 73:377-84, Aug 70
Venous infarction of the spinal cord. Hughes JT. Neurology (Minneap) 21:794-800, Aug 71
Acute iliofemoral venous thrombosis and polycythemia vera. Rockwell E, et al. Northwest Med 70:177-8, Mar 71
[3 new cases of gangrene of venous origin, 1 of them certainly related to cryoglobulinemia] Fontaine JL, et al. Ann Chir 24:1287-9 passim, Nov 70 (Fre)
[Prolonged retention in arrested pregnancy: artificial evacuation; uterine rupture; hemorrhagic syndrome with extensive genital thromboses] Larcan A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:333-4, Jun-Aug 69 (Fre)
[Cicatrization of leg ulcers of venous origin] Stemmer R. Bull Soc Sci Med Grand Duche Luxemb 108:109-13, Mar 71 (Fre)
[Cavernous transformation of the portal vein] Fortin R. Laval Med 42:511-4, May 71 (Fre)
[Pseudo-amyotrophy of a limb in a 4-year-old child] Gaudier B, et al. Lille Med 13:338-41, Mar 68 (Fre)
[Pulmonary opacity in a tuberculous patient, tumor of the left hypochondrium and splenic vein thrombosis] Mesmacque R, et al. Lille Med 15:1286-9, Nov 70 (Fre)
[Porto-spleno-mesenteric obstructions] Belli L, et al. Mem Acad Chir (Paris) 95:719-21, 1969 (Fre)
[Non-thrombocytopenic purpura fulminans in the puerperium associated with "phlegmasia alba dolens"] Badarau L, et al. Rev Fr Gynecol Obstet 65:739-43, Dec 70 (Fre)
[Gangrene of venous origin. Apropos of 3 unpublished cases, one caused by cryoglobulinemia] Fontaine JL, et al. Sem Hop Paris 47:848-52, 14 Mar 71 (Fre)
[Judgement of the post-thrombotic syndrome by peripheral venous blood pressure determination] Hansen G, et al. Hefte Unfallheilkd 107:151-4, 1970 (Ger)
[Evaluation of the post-thrombotic syndrome] Matis P, et al. Hefte Unfallheilkd 107:132-41, 1970 (Ger)
[Is a pregnancy "dangerous" after a treated iliac vein thrombosis?] Sigg K. Med Klin 65:1806, 9 Oct 70 (Ger)
[Gangrenous appendicitis with pylephlebitis and sepsis] Noeske K. Med Welt 17:687-90, 24 Apr 71 (Ger)
[On the post-phlebitis syndrome of the lower extremities and its therapy] Fiordigiglio G, et al. Arch Chir Torac Cardiovasc 27:275-84, Jul-Sep 70 (Ita)
[Relation between vascular disorders of the lower extremities and arthrosis of the hip. Experimental study] Bragheri R, et al. Minerva Ortop 20:476-84, Oct 69 (Ita)
[A case of probable coexistence of 2 separate septic foci in a 38-year-old woman with fatal outcome] Krauze J, et al. Wiad Lek 24:243-6, 1 Jul 71 (Pol)
[Renal vein thrombosis with hemorrhagic necrosis of the kidney in newborns] Slowikowski J, et al. Wiad Lek 23:1857-61, 1 Nov 70 (Pol)
[Treatment of patients with chronic venous insufficiency of the lower extremities (following thrombophlebitis) at Sochi-Matsesta health resort] Aznaur'ian MS, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:426-8, Sep-Oct 70 (Rus)
[Venous intermittent claudication. Clinical note] Muñoz-Cardona P, et al. Angiologia 22:27-30, Jan-Feb 70 (Spa)

CONGENITAL

Congenital nephrotic syndrome and renal vein thrombosis in infancy. Alexander F, et al. J Clin Pathol 24:27-40, Feb 71

DIAGNOSIS

125-I-labelled fibrinogen in the diagnosis of deep-vein thrombosis. Negus D, et al. Acta Chir Belg 68:507-15, Oct 69
Centripetal descending phlebography in axillary vein thrombosis. Bergvall U. Acta Radiol [Diagn] (Stockh) 11:250-6, May 71
Ovarian vein thrombophlebitis. Kirkpatrick JR. Am Surg 37:306-7, May 71
Physical signs in the early diagnosis of thrombophlebitis. Shafer N, et al. Angiology 22:18-30, Jan 71 (62 ref.)
The natural history of postoperative deep vein thrombosis. Rosengarten DS. Aust NZ J Surg 40:285-9, Feb 71
The use of labelled fibrinogen in the detection and management of deep vein thrombosis. Clarke MB, et al. Br J Radiol 43:829-30, Nov 70
The early diagnosis of deep-vein thrombosis by ultrasound. Evans DS. Br J Surg 57:726-8, Oct 70
Clinical signs in deep-vein thrombosis. Hall CM, et al. Br J Surg 58:101-4, Feb 71
Fibrinogen-fibrin degradation products in venous thromboembolic disease. Ruckley CV, et al. Br J Surg 57:860-1, Nov 70
Serum fibrin-fibrinogen degradation products associated with postoperative pulmonary embolus and venous thrombosis. Ruckley CV, et al. Br Med J 4:395-8, 14 Nov 70
Diagnosing venous thrombosis. J Iowa Med Soc 60:712-3, Oct 70
Postoperative deep venous thrombosis. A comparison of diagnostic techniques. Milne RM, et al. Lancet 2:445-7, 28 Aug 71
Portable profile scanning apparatus for detection of deep venous thrombosis in the leg. Pai BY, et al. Lancet 1:893-4, 1 May 71
Detection of venous thrombosis. Lancet 2:306-7, 7 Aug 71
The diagnosis of deep vein thrombosis. Med J Aust 1:416-7, 20 Feb 71
Detection of venous thrombosis. Warren R. N Engl J Med 283:1167-8, 19 Nov 70
Asymptomatic pulmonary embolism during pregnancy. Ross M, et al. Obstet Gynecol 37:131-3, Jan 71
Combined inferior vena cavography, iliac venography, and lung imaging with 99mTc albumin macroaggregates. Rosenthall L. Radiology 98:623-6, Mar 71
False portal thrombosis syndrome after splenectomy due to tuberculous peritonitis and periportal adenopathy. Buriul D, et al. Rom Med Rev 14:42-6, 1970
Diagnosis of occult deep vein thrombosis by a noninvasive bedside technique. Wheeler HB, et al. Surgery 70:20-8, Jul 71
Etiologic diagnosis of retinal venous stasis and occlusion. Shock D. Trans Pac Coast Otoophthalmol Soc 51:127-36, 1970
[Isotope diagnosis of deep venous thrombosis by I-125 fibrinogen] Cajzl L, et al. Cas Lek Cesk 110:497-502, 1971 (Cze)
[Thrombosis in the deep veins of the legs. Diagnostic and physiologic prophylaxis] Jacobsen BH. Nord Med 85:127-8, 28 Jan 71 (Dan)
[Use of vein-emptying plethysmography in the diagnosis of venous thrombosis] Jacobsen LH, et al. Ugeskr Laeger 132:2217-21, 19 Nov 70 (Dan)
[Use of radioisotopes in the diagnosis of venous thrombosis and lung embolies] Ottolander GJ den, et al. Ned Tijdschr Geneeskd 115:251-3, 6 Feb 71 (Dut)
[Diagnosis of phlebothromboses in the lower extremities] Kotilainen M. Duodecim 87:489-91, 1971 (Fin)
[Thrombophlebitis of the superior longitudinal sinus in children] Dumas M, et al. Ann Pediatr (Paris) 18:208-15, 2 Mar 71 (Fre)
[3 cases of postpartum thrombosis of the ovarian vein] Bruhat M, et al. Rev Fr Gynecol Obstet 66:45-50, Jan 71 (Fre)
[Significance of electroencephalographic examination in intracranial thrombophlebitis] Steps HJ, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:14-25, 1970 (Ger)
[The expert testimony on leg diseases (chronic venous insufficiency)] Fischer H. Berufsdermatosen 18:2-24, Feb 70 (Ger)
[Abdominal vascular occlusion syndromes] Pickert H. Dtsch Med J 22:357-63, 1 Jun 71 (11 ref.) (Ger)
[Possibilities and limits of qualitative vein diagnosis using Doppler-ultrasound (results of a blind study)] Grüntzig A, et al. Klin Wochenschr 49:245-51, 1 Mar 71 (Ger)
[Phlebography and plethysmography in deep venous thrombosis in the distal calf] Göthlin J, et al. Radiologe 11:147-50, Apr 71 (Ger)
[Plethysmography and phlebography in the diagnosis of acute deep venous thrombosis] Göthlin J, et al. Radiologe 11:137-47, Apr 71 (Ger)
[Use of Doppler flow detectors in the diagnosis of venous diseases] Mahler F, et al. Schweiz Med Wochenschr 100:163-5, 31 Jan 70 (Ger)
[Venous occlusion plethysmography on the finger] Ioannovich JD, et al. Z Kreislaufforsch 59:1141-52, Dec 70 (Ger)
[The current problem of Winiwarter-Bürger disease] Bartolini G, et al. Arch De Vecchi Anat Patol 54:763-84, Apr 69 (Ita)
[Cerebral thrombophlebitis simulating a tumor] Pomicino P, et al. Rass Int Clin Ter 50:908-15, 31 Jul 70 (Ita)
[Diagnosis and treatment of blue phlegmasia] Ratner GL, et al. Klin Khir 12:21-3, Dec 70 (Rus)
[Diagnosis and radiotherapy of crural thrombophlebitis] Podliashuk EL, et al. Med Radiol (Mosk) 15:24-33, Oct 70 (Rus)
[The clinical diagnosis of cerebral thrombophlebitis] Nefmark EZ. Zh Nevropatol Psikhiatr 70:816-20, 1970 (Rus)
[Venous plethysmography in diagnosis of post-thrombotic deep leg vein insufficiency] Aschberg S, et al. Nord Med 86:877-8, 22 Jul 71 (Swe)
[The inferior venacavography in newborns and infants. Its diagnostic value in renal vein thrombosis] Knapp K. Ann Radiol (Paris) 14:355-60, Mar-Apr 71 (Mul)

DRUG THERAPY

Deep venous thrombosis treated with a standard dosage of streptokinase. Olow B, et al. Acta Chir Scand 136:181-9, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Thrombolytic effect of streptokinase as evaluated by phlebography of deep venous thrombi of the leg. Robertson BR, et al. Acta Chir Scand 136:173-80, 1970

Anticoagulant therapy: a critique. Gross H, et al. Am Fam Physician 3:87-91, Jun 71

Thrombolytic therapy and fatal massive pulmonary emboli. Gajewski J. Ann Intern Med 74:450, Mar 71

Thrombolytic therapy and fatal pulmonary emboli. Hirsh J, et al. Ann Intern Med 75:140-1, Jul 71

Thrombolytic therapy in arterial and venous thrombosis. Biggs JC.
Australas Ann Med 19:Suppl 19:19+, 1970

An experimental evaluation of the optimal method of use of streptokinase in venous thrombosis. Karmody AM, et al. Br J Surg 58:289-93, Apr 71

Treatment of experimental venous thrombosis with streptokinase and ancrod (Arvin). Pitney WR, et al. Br J Surg 58:442-7, Jun 71

Thrombosis and carcinoma of the prostate.
Sutherland-Rawlings E. Br Med J 3:643-4, 12 Sep 70

New approach to venous thrombosis.
J Iowa Med Soc 60:713-4, Oct 70

Aspirin against arterial and venous thrombosis. O'Brien JR. Lancet 1:804, 17 Apr 71

Prophylaxis and treatment of thrombophlebitis.
Med Lett Drugs Ther 12:6-8, 23 Jan 70

Outpatient intravenous heparin therapy for antepartum iliofemoral thrombophlebitis. Hill WC, et al. Obstet Gynecol 37:785-9, May 71

Indomethacin in superficial thrombophlebitis.
Practitioner 205:369-72, Sep 70

The use of heparin in the management of pelvic thrombophlebitis. Ledger WJ, et al.
Surg Gynecol Obstet 131:1115-21, Dec 70

Current trends in the treatment of central venous thrombosis. Marmion VJ, et al.
Trans Ophthalmol Soc UK 90:973-6, 1970 (11 ref.)

Management of retinal venous stasis and occlusion. Shoch D.
Trans Pac Coast Otoophthalmol Soc 51:295-305, 1970

[Action of synthetic derivatives of Congo red. Angiographic study] Zenatti C.
Ann Ocul (Paris) 204:257-70, Mar 71 (Fre)

[Anti-inflammatory proteolytic enzymes in obstetrics and gynecology] Godts P.
Brux Med 51:281-8, Apr 71 (Fre)

[A case of phlebitis during pregnancy requiring prolonged heparin therapy, with meningeal hemorrhage in the newborn infant after a quite normal delivery] Guiran G.
Bull Fed Soc Gynecol Obstet Lang Fr 22:484-5, Sep-Oct 70 (Fre)

[A new anticoagulant: ethyldicoumarol 75] Warembourg H, et al.
Lille Med 13:Suppl:257-9, Mar 68 (Fre)

[How to treat migrant phlebitis] Martinet JD.
Phlebologie 23:233-40, Jul-Sep 70 (Fre)

[Clinical experience in the therapy of tumefactions in orthopedic diseases] Brandt H.
Arzneim Forsch 21:36-9, Jan 71 (Ger)

[Therapeutic effect of rutin and coumarin in experimental thrombophlebitis] Földi M, et al.
Arzneim Forsch 20:Suppl 11a:1629+, Nov 70 (Ger)

[Behavior of blood coagulation factors under the effect of a new pyrazol derivative during prolonged anticoagulant therapy] Wolf H.
Arzneim Forsch 20:1252-8, Sep 70 (Ger)

[Anticoagulants in the treatment of venous thrombosis of the retina] Weigelin E, et al.
Ber Dtsch Ophthalmol Ges 70:438-42, 1970 (Ger)

[Therapy of the Paget-v. Schrötter-syndrome using Trasylol] Radev DP.
Dtsch Med Wochenschr 96:259, 5 Feb 71 (Ger)

[Case report on streptokinase therapy during pregnancy] Göring G.
Geburtshilfe Frauenheilkd 31:348-53, Apr 71 (Ger)

[Therapeutic fibrinolysis during pregnancy] Skiftis T.
Geburtshilfe Frauenheilkd 31:568-71, Jun 71 (Ger)

[Treatment of retinal vein occlusion using enzyme inhibitors] Schmidt B.
Klin Monatsbl Augenheilkd 158:273-7, Feb 71 (Ger)

[Therapy of venous and arterious circulation disorders using Melilotus] Mahr H.
Med Monatsschr 25:334-6, Jul 71 (Ger)

[Treatment of thrombophlebitis] Vargha A.
Med Monatsschr 24:420-2, Sep 70 (Ger)

[Thrombolytic treatment of deep thrombophlebitis] Madar G, et al.
Schweiz Med Wochenschr 100:1337-41, 1 Aug 70 (Ger)

[Treatment of varicose syndrome with Venopyronum] Matanić V. Ther Ggw 109:1805-6 passim, Dec 70 (Ger)

[Therapeutic results with a new gel preparation] Alter H. Z Allgemeinmed 46:1217-9, 31 Aug 70 (Ger)

[Anticoagulants and thrombolytic agents in pregnancy and puerperium] Appel W.
Z Allgemeinmed 47:345-50, 10 Mar 71 (Ger)

[Local digitoxin-heparin-therapy--a highly effective treatment for acute superficial leg inflammations] Bornhaupt E.
Z Allgemeinmed 46:1354-6, 30 Sep 70 (Ger)

[Acute thrombosis of the axillary vein and thrombolytic therapy of the disease] Storch H, et al.
Z Gesamte Inn Med 26:245-50, 15 Apr 71 (Ger)

[Indications of the use of xanthinol-nicotinate as complementary therapy in medico-surgical treatment of phlebopathies of the lower limbs in the aged] Montori A, et al. G Gerontol 18:669-78, Jul 70 (Ita)

[Clinical research on the therapeutic action of mucopolysaccharides of vascular origin in cutaneous vascular pathology] Giacometti C, et al.
G Ital Dermatol 46:231-5, May 71 (Ita)

[On anti-inflammatory therapy of thrombophlebitis and phlebothrombosis] Pupita F, et al.
Minerva Cardioangiol 18:594-8, Oct 70 (Ita)

[Change in vital dye reabsorption in venous insufficiency of the legs induced by a vasoactive and vasoprotective drug] Rizzi B, et al.
Minerva Cardioangiol 19:216-27, Apr 71 (Ita)

[On prolonged treatment of phlebopathic patients with a combination of vasoactive and vasoprotective drugs. Rheographic study] Rizzi B, et al.
Minerva Cardioangiol 19:73-85, Feb 71 (Ita)

[Activation of fibrinolysis in therapy of peripheral arterial and venous thrombosis] Taddeucci E, et al.
Minerva Cardioangiol 18:553-8, Sep 70 (Ita)

[Treatment of phlebopathies in pregnancy and puerperium with a new combination drug] Autera C.
Riv Ostet Ginecol 24:334-42, Nov 69 (Ita)

[Anticoagulant treatment of outpatients in the light of personal observations] Rymaszewski Z, et al.
Pol Tyg Lek 26:12-5, 4 Jan 71 (Pol)

[Sandoven-Sandoz in treatment of thromophlebitis and post-thrombophlebitic syndromes in surgical in-patients and out-patients] Umińska H.
Pol Tyg Lek 26:870-2, 7 Jun 71 (Pol)

[On a case of dicoumarin necrosis] Danilov B, et al.
Rev Med Chir Soc Med Nat Iasi 75:479-83, Apr-Jun 71 (Rum)

[Viewpoints in the treatment of varicose thrombophlebitis] Răileanu R, et al.
Rev Med Chir Soc Med Nat Iasi 74:685-8, Jul-Sep 70 (Rum)

[Proteolytic enzymes in the treatment of thrombophlebitis of the extremities] Grigorian AV, et al. Khirurgiia (Mosk) 47:65-9, Feb 71 (Rus)

[Treatment of acute thrombophlebitis by electrophoresis with 1 per cent solution of diamephene] Moroz IM, et al.
Klin Khir 11:61-2, Nov 70 (Rus)

[Phlegmasia cerulea dolens] Dubinskiĭ MB, et al.
Vestn Khir 105:73-4, Aug 70 (Rus)

[Complex treatment of thrombosis and thrombophlebitis of the veins of the lower extremities] Kovalev MM, et al.
Vrach Delo 77-82, Jan 71 (Rus)

[Personal experiences in the treatment of thromboembolic disease with streptase] Vujadinović B, et al. Srp Arh Celok Lek 98:435-9, Mar 70 (Ser)

[Our personal method in therapy of acute thrombophlebitis of the lower extremities] Silvestrini P, et al.
Angiologia 23:47-54, Mar-Apr 71 (Spa)

ETIOLOGY

Morbid and mortal complications associated with prolonged central venous cannulation. Awareness, recognition, and prevention. Henzel JH, et al.
Am J Surg 121:600-5, May 71

Infusion catheter sepsis: an increasing threat. Glover JL, et al. Ann Surg 173:148-51, Jan 71

Third day surgical fever. Altemeier WA, et al.
Arch Surg 103:158-66, Aug 71

Fibrin sleeve formation on indwelling subclavian central venous catheters. Hoshal VL Jr, et al.
Arch Surg 102:253-8, Apr 71

Natural history of major venous thrombosis of the upper extremity. Tilney ML, et al.
Arch Surg 101:792-6, Dec 70

The origin of deep vein thrombosis: a venographic study. Nicolaides AN, et al.
Br J Radiol 44:653-63, Sep 71

The soleal sinuses: origin of deep-vein thrombosis. Nicolaides AN, et al. Br J Surg 57:860, Nov 70

Postoperative leg vein thrombosis. Doran FS.
Br Med J 4:555-6, 28 Nov 70

Suppurative thrombophlebitis. Br Med J 1:66, 9 Jan 71

Fatal venous thrombosis in hyperosmolar coma. Scharf Y, et al. Diabetes 20:308-9, May 71

Recurrent thrombophlebitis and pulmonary emboli in a patient with systemic mastocytosis. A case report. Vaidya AB, et al. Indian J Med Sci 25:163-9, Mar 71

Carcinoma of the ureter with thrombosis of inferior vena cava. Banerjee AK, et al.
Indian J Pathol Bacteriol 13:35-7, Jan 70

Mesenteric venous thrombosis 11 years after splenectomy. Uthman SM, et al.
J Med Liban 24:53-6, 1971

The effect of surgical operation on the velocity of venous return from the legs. Makin GS.
J Surg Res 10:513-8, Nov 70

Subclavian-axillary vein thrombosis following implantation of a pacemaker catheter in the internal jugular vein. Griepp RB, et al.
J Thorac Cardiovasc Surg 60:889-92, Dec 70

Pathogenesis of venous thrombosis. Husni EA.
JAMA 216:1349, 24 May 71

Pathogenesis of venous thrombosis. Matzger AD.
JAMA 215:799, 1 Feb 71

Pathogenesis of venous thrombosis. Sharnoff JG.
JAMA 217:967-8, 16 Aug 71

PH of infusion fluids: a predisposing factor in thrombophlebitis. Tse RL, et al.
JAMA 215:642, 25 Jan 71

Thrombophlebitis after vasectomy. Roberts HJ.
N Engl J Med 284:1330, 10 Jun 71

Right ovarian vein syndrome. Reynolds SR.
Obstet Gynecol 37:306-13, Feb 71 (36 ref.)

Thrombophlebitis of the cerebral cortex in children. Arseni C, et al. Rom Med Rev 15:33-40, Jan-Mar 71

The etiology of venous thrombi after aortic cross-clamping: an electron microscopic study.
Ashford TP. Surgery 68:846-51, Nov 70

Iliac artery aneurysm presenting as acute ilio-femoral vein occlusion. Bernard RW, et al.
Vasc Surg 4:186-9, Sep 70

[Portal thrombosis, a complication of suppurative hepatic pediculitis] Paccalin J, et al.
Arch Fr Mal App Dig 57:917-24, Nov 68 (Fre)

[Human cardiac transplantation] Cabrol C, et al.
Arch Mal Coeur 62:829-37, Jun 69 (Fre)

[Systemic aphthosis with thrombosis of the inferior vena cava] Dupuy R, et al.
Bull Soc Fr Dermatol Syphiligr 77:762-4, 1970 (Fre)

[Complications of alveolo-dental ligament disorders (monoarthritis)] Trévoux M.
Cah Coll Med Hop Paris 10:807-13, Aug 69 (Fre)

[A case of extensive inferior vena cava thrombosis of probable traumatic origin] Pasquier J, et al.
J Radiol Electrol Med Nucl 50:849, Nov 69 (Fre)

[Phlebographic studies after lower limb injuries] Kleny R, et al. Phlebologie 24:51-3, Jan-Mar 71 (Fre)

[Pathogenesis of thrombophlebitis saltans] Rettori R.
Phlebologie 23:227-32, Jul-Sep 70 (Fre)

[Etiology of deep venous thrombosis observed during thermal cure] Ganascia-Goetschel J.
Presse Therm Climat 106:190-5, 1969 (Fre)

[Clinical and experimental study of embolized intravenous catheters] Bertho E, et al.
Union Med Can 99:58-69, Jan 70 (Fre)

[Thromboses in portal circulation following splenectomy] Korhoň M, et al.
Chirurg 42:227-8, May 71 (Ger)

[Apparent thrombotic occlusion of the deep leg veins as a result of post-ischemic edema in degenerative arterial circulatory disorders] Böttger E, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:197-202, Aug 70 (Ger)

[Venous blood flow following surgical treatment of lower leg fractures] Jungbluth KH, et al.
Hefte Unfallheilkd 107:148-51, 1970 (Ger)

[Diagnosis and conservative treatment of thrombotic veinous processes in the extremities] Klüken N.
Hefte Unfallheilkd 107:124-5, 1970 (Ger)

[Over-exertion thrombosis of the axillary vein and the subclavian vein] Saborowski F.
Med Klin 65:1939-41, 30 Oct 70 (Ger)

[Thrombosis of the vena subclavia following transvenous pacemaker implantation] Balu J, et al.
Radiologe 11:50-3, Feb 71 (Ger)

[Transomatic vertebral angiography of the inferior vena cava] Franceschini R, et al.
Ann Ital Chir 45:906-14, Nov 70 (Ita)

[Anatomo-clinical and medico-legal considerations on a case of pylethrombosis of suspected post-traumatic origin] De Annibalis N.
Arch Ital Anat Istol Patol 42:377-92, 1969 (Ita)

[Phlebothromboembolic complications in traumatic lesions of the lower extremities] Trinchi E, et al.
Fracastoro 63:47-59, Jan-Feb 70 (Ita)

[Statistical study of phlebothromboembolic disease in traumatic lesions of the lower extremities] Trinchi E, et al. Fracastoro 63:60-5, Jan-Feb 70 (Ita)

[Trends in prevention and therapy of phlebopathies in obstetrics and gynecology] Zichella L, et al.
Minerva Ginecol 22:330-8, 31 Mar 70 (Ita)

[Thrombophlebitis and infection from intravenous plastic cannulas. A clinical and microbiological study] Asbjornsen G. Nord Med 85:588-92, 13 May 71 (Nor)

[Thrombophlebitis and plastic cannulas] Asbjornsen G.
Tidsskr Nor Laegeforen 91:1347-8, 20 Nov 71 (Nor)

[Thrombophlebitis and plastic cannulas] Meisom H, et al. Tidsskr Nor Laegeforen 91:972-3, 10 May 71 (Nor)

[The etiology and pathogenesis of the Paget-Schoetter syndrome] Dumpe EP, et al.
Khirurgiia (Mosk) 47:84-7, Feb 71 (Rus)

[State of venous circulation following fracture of crural bones] Karetnikov AD.
Khirurgiia (Mosk) 22:84-6, Apr 69 (Rus)

[Trauma and traumatic thromboses of leg veins] Danderis IP.
Ortop Travmatol Protez 31:1-5, Jul 70 (Rus)

[Phlebothrombosis in orthopedic surgery and traumatology. Introduction] Martorell F.
Angiologia 22:24-6, Jan-Feb 70 (Spa)

[Etiological diagnosis of venous thrombosis in the lower extremities] Escobar Aldasoro G, et al.
Arch Inst Cardiol Mex 41:264-72, May-Jun 71 (Spa)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

FAMILIAL & GENETIC

Mesenteric venous thrombosis in the members of the same family: possible etiologic factor. Mir-Sepasi MH, et al. Am Surg 37:418-20, Jul 71

[Familial recurrent venous thrombosis] Galand JM. Phlebologie 23:221-4, Jul-Sep 70 (Fre)

IMMUNOLOGY

[Determination of circulating auto-antibodies against fibrinogen in thrombophlebitis migrans] Haustein UF. Dtsch Gesundheitsw 25:1849-52, 24 Sep 70 (Ger)

MICROBIOLOGY

[Vibrio fetus sepsis in thrombophlebitis] Blasius C, et al. Zentralbl Bakteriol [Orig] 214:17-22, 1970 (Ger)

OCCURRENCE

Deep vein thrombosis of the leg. Is there a "high risk" group? Kakkar VV, et al. Am J Surg 120:527-30, Oct 70

The effect of leg elevation on the incidence of deep-vein thrombosis after operation. Rosengarten DS, et al. Br J Surg 58:182-4, Mar 71

Deep-vein thrombosis in two district hospitals in Essex. Sripad S, et al. Br J Surg 58:563-5, Aug 71

ABO blood-groups and superficial puerperal thrombophlebitis. Allan TM, et al. Lancet 1:1125, 29 May 71

PATHOLOGY

Thrombosis of the galenic system veins in the adult. Bots GT. Acta Neuropathol (Berl) 17:227-33, 1971

Hypercoagulable state. Am J Med 50:247-61, Feb 71

The fate of experimntal occlusive venous thrombi. A combined histological and venographic study. Karmody AM, et al. Br J Surg 58:215-21, Mar 71

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1-1971. N Engl J Med 284:39-47, 7 Jan 71

[Phlegmasia coerulea dolens] Nitzschner H, et al. Z Haut Geschlechtskr 45:699-706, 1 Oct 70 (Ger)

PHYSIOPATHOLOGY

Venous tone in correlation to position in normal case and in patients with phlebothrombosis. Kaindl F, et al. Angiology 21:557-62, Sep 70

Skin temperature, blood flow, and venous occlusion. Keaveny TV, et al. J Cardiovasc Surg (Torino) 11:219-23, May-Jun 70

[EMG changes in venous disorders of the extremities] Kilimov N, et al. Khirurgiia (Sofiia) 22:515-20, 1969 (Bul)

[The experimental renal vein thrombosis of the rat and its relationship to the nephrotic syndrome] Romen W. Virchows Arch [Pathol Anat] 352:141-56, 1971 (Ger)

PREVENTION & CONTROL

Bioelectrical venous thrombosis in the rabbit. Stadil F, et al. Acta Chir Scand 136:599-603, 1970

Heparin control of venous thromboembolism. Dale WA, et al. Arch Surg 101:744-55, Dec 70

The effect of intra-operative calf muscle stimulation on the prevention of postoperative deep-vein thrombosis. Browse NL, et al. Br J Surg 57:861, Nov 70

Prevention of postoperative leg vein thrombosis by electrical muscle stimulation. An evaluation with 125I-labelled fibrinogen. Browse NL, et al. Br Med J 3:615-8, 12 Sep 70

Prevention of postoperative deep venous thrombosis and pulmonary embolism. Carter AE, et al. Br Med J 1:312-4, 6 Feb 71

Postoperative leg vein thrombosis. De Jode LR, et al. Br Med J 4:56, 3 Oct 70

Postoperative leg vein thrombosis. Doran FS. Br Med J 1:48-9, 2 Jan 71

Prophylaxis of deep venous thrombosis. Gordon GC. Br Med J 3:710-1, 19 Sep 70

Postoperative leg vein thrombosis. Moloney GE, et al. Br Med J 4:244, 24 Oct 70

Postoperative leg vein thrombosis. Roberts VC, et al. Br Med J 4:556, 28 Nov 70

Prevention of early postoperative deep vein thrombosis by passive exercise of leg during surgery. Sabri S, et al. Br Med J 3:82-3, 10 Jul 71

Prophylaxis of venous thrombosis. Sharnoff JG. Br Med J 3:529-30, 28 Aug 71

Heel cushion for use on the operating-table. Wadsworth TG. Br Med J 4:741, 19 Dec 70

Prophylaxis of venous thrombosis. Br Med J 1:305-6, 6 Feb 71

Possibilities of preventing infusion thrombophlebitis. Elfving G. Bull Soc Int Chir 28:285-90, Mar-Apr 69

The effect of limb elevation in preventing venous thrombosis. A venographic study. Hartman JT, et al. J Bone Joint Surg [Am] 52:1618-22, Dec 70

Low doses of heparin in prevention of deep-vein thrombosis. Kakkar VV, et al. Lancet 2:669-71, 25 Sep 71

Effect of small doses of heparin on platelet adhesiveness and lipoprotein-lipase activity before and after surgery. Negus D, et al. Lancet 1:1202-4, 12 Jun 71

Prophylaxis of venous thrombosis. Wadsworth TG. Lancet 1:650, 27 Mar 71

Prophylaxis of venous thrombosis. Lancet 1:121-2, 16 Jan 71

Prevention of postoperative deep venous thrombosis. Lancet 1:1226-7, 12 Jun 71

Prevention of deep-vein thrombosis: the way ahead? Lancet 2:693-4, 25 Sep 71

Subclavian venipuncture: preventable complications; report of two cases. Johnson CL, et al. Mayo Clin Proc 45:712-9, Oct 70

Prophylaxis and treatment of thrombophlebitis. Med Lett Drugs Ther 12:6-8, 23 Jan 70

Prevention of postoperative venous thrombosis. N Engl J Med 285:634-5, 9 Sep 71

[Prophylaxis of postoperative venous thrombosis with dextran-70] Stadil F. Ugeskr Laeger 132:1817-20, 24 Sep 70 (Dan)

[Prophylaxis of thrombophlebitic disease by early kinesitherapy in obstetrical gynecology after establishment of the risk coefficient] Notter A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:260-2, Jun-Aug 69 (Fre)

[Management of varicose veins in pregnancy. Prevention of thrombosis during the puerperium] Wuppermann T, et al. Munch Med Wochenschr 112:425-9, 6 Mar 70 (Ger)

[Buffering of glucose solutions to prevent peripheral thrombophlebitis reactions] Walczak Z, et al. Pol Tyg Lek 26:85-7, 18 Jan 71 (Pol)

[Prophylaxis of the post-labor thrombophlebitis of varicose surface veins of lower extremities] Frolova VI. Pediatr Akush Ginekol 1:47-8, Jan-Feb 69 (Ukr)

RADIOGRAPHY

Occurrence and course of thrombosis following prostatectomy. A phlebographic investigation. Becker J, et al. Acta Radiol [Diagn] (Stockh) 10:513-33, Nov 70

Phlebography in acute deep venous thrombosis of the lower extremity. A comparison between centripetal ascending and descending phlebography. Bergvall U. Acta Radiol [Diagn] (Stockh) 11:148-66, Mar 71

Intraosseous phlebography of the lower limb. Postmortem investigation of thrombotic venous disease. Diener L. Acta Radiol [Diagn] (Stockh) Suppl 304:1-96, 1971

Phlebographic techniques in the diagnosis of acute deep venous thrombosis of the lower limb. Brodelius A, et al. Am J Roentgenol Radium Ther Nucl Med 111:794-801, Apr 71

Phlebography in the prevention of recurrent pulmonary embolism--techniques and value. Thomas ML, et al. Am J Roentgenol Radium Ther Nucl Med 110:725-33, Dec 70

The radiology of the Hughes-Stovin syndrome. Wolpert SM, et al. Am J Roentgenol Radium Ther Nucl Med 112:383-8, Jun 71

Thrombectomy employing continuous radiological control. Mansfield AO. Ann R Coll Surg Engl 48:3-4, Jan 71

Monocular Purtscher's retinopathy. A fluorescein angiographic study. Fischbein F, et al. Arch Ophthalmol 85:480-4, Apr 71

Intravenous pyelography in acute idiopathic inferior vena caval thrombosis. Hall R, et al. Br J Radiol 43:781-6, Nov 70

Iliofemoral phlebography in pulmonary embolism. Mahaffy RG, et al. Br J Radiol 44:172-83, Mar 71

The fate of experimntal occlusive venous thrombi. A combined histological and venographic study. Karmody AM, et al. Br J Surg 58:215-21, Mar 71

Thrombectomy employing continuous radiological control. Mansfield AO, et al. Br J Surg 58:119-23, Feb 71

The radiological progression of deep venous thrombus. Thomas ML, et al. Radiology 99:37-40, Apr 71

[Venous diseases in the female pelvis and their roentgenological examination] Kauppila A. Duodecim 87:39-44, 1971 (Fin)

[Use of phlebography in the diagnosis of acute and chronic venous thromboses] Goldstein M, et al. Acta Chir Belg 68:516-28, Oct 69 (Fre)

[Radioanatomic study of thrombosis of the superior vena cava. 2 cases] Masson JC, et al. Ann Chir Thorac Cardiovasc 8:445-52, Oct 69 (Fre)

[Phlebography in acute venous thrombosis. Studies in 88 patients] Schmitt HE, et al. Dtsch Med Wochenschr 95:2313-5 passim, 13 Nov 70 (Ger)

[Apparent thrombotic occlusion of the deep leg veins as a result of post-ischemic edema in degenerative arterial circulatory disorders] Böttger E, et al. Fortschr Geb Roentgenstr Nuklearmed 113:197-202, Aug 70 (Ger)

[Anti-inflammatory irradiation in thrombophlebitis] Wurm D. Radiol Clin Biol 39:311-4, 1970 (Ger)

[Phlebography and plethysmography in venous obstruction of the arm] Broomé A, et al. Radiologe 11:155-61, Apr 71 (Ger)

[Lymphographic patterns of ulcus cruris] Rizzi B, et al. Chir Ital 21:171-91, Apr 69 (Ita)

[Compensatory venous circles in thrombosis of the femoro-iliac tract. Phlebographic aspects of 22 cases] Damele C, et al. Nunt Radiol 34:1615-50, Dec 68 (Ita)

[Unilateral renal venous thrombosis in newborn infants] Nahum H, et al. Ann Radiol (Paris) 12:293-307, 1969 (Mul)

RADIOTHERAPY

[Diagnosis and radiotherapy of crural thrombophlebitis] Podliashuk EL, et al. Med Radiol (Mosk) 15:24-32, Oct 70 (Rus)

SURGERY

Suppurative pelvic thrombophlebitis. A study of 202 cases in which the disease was treated by ligation of the vena cava and ovarian vein. Collins CG. Am J Obstet Gynecol 108:681-7, 1 Nov 70

Thrombectomy for iliofemoral thrombophelbitis. Dorrough RL, et al. Am Surg 37:381-4, Jun 71

Thrombectomy employing continuous radiological control. Mansfield AO. Ann R Coll Surg Engl 48:3-4, Jan 71

Spontaneous thrombosis of the mesenteric veins. Van Way CW 3d, et al. Ann Surg 173:561-8, Apr 71

Transvenous removal of catheter emboli from the heart and great veins by endoscopic forceps. Smyth NP, et al. Ann Thorac Surg 11:403-8, May 71

Photocoagulation in complications secondary to branch vein occlusion. Krill AE, et al. Arch Ophthalmol 85:48-60, Jan 71

Iliofemoral venous thrombosis. Young L, et al. Ariz Med 27:6-9, Sep 70

The place of subfascial ligation of perforating veins in the treatment of the post-phlebitic syndrome. Halliday P. Br J Surg 58:104-11, Feb 71

Thrombectomy employing continuous radiological control. Mansfield AO, et al. Br J Surg 58:119-23, Feb 71

Thrombectomy for renal venous thrombosis in infant of diabetic mother. Lowry MF, et al. Br Med J 3:687, 19 Sep 70

Massive venous thrombosis of the upper extremity. Bialostozky L, et al. Int Surg 55:99-103, Feb 71

Bilateral renal vein thrombosis in infancy: report of a survivor following surgical intervention. Mauer SM, et al. J Pediatr 78:509-12, Mar 71

Inferior vena cava ligation in a patient with congenital ectopic pelvic kidney. Schapira HE. Mt Sinai J Med NY 37:618-24, Sep-Oct 70

The management of some aspects of lower venous disorders. Baker L. S Afr J Surg 8:19-21, 1970

A technique for operation on the pathologic venous system. Pratt GH. Surg Gynecol Obstet 132:1076-82, Jun 71

[Surgical treatment of venous thromboses] Lemaire R, et al. Acta Chir Belg 68:550-63, Oct 69 (Fre)

[Surgical aspects of thrombosis in the lower extremities] Stalport J, et al. Acta Chir Belg 68:529-39, Oct 69 (Fre)

[Treatment of thrombophlebitis of the lower limbs by venous thrombectomy and partial interruption of the vena cava] Van de Berg L. Acta Chir Belg 69:181-97, Mar 70 (Fre)

[Etiology and treatment of thrombosis of the superior vena cava and its branches] Van der Stricht J, et al. Acta Chir Belg 68:564-75, Oct 69 (Fre)

[Saphenous transpositions in the treatment of segmental obstruction of the iliofemoral venous axis] Frileux C, et al. Chirurgie 97:107-16, 1971 (Fre)

[2 recent cases of intestino-mesenteric infarct of venous origin: place of thrombectomy in its treatment] Fontaine R, et al. J Chir (Paris) 97:145-60, Feb 69 (Fre)

[Thrombectomy in acute venous thrombosis] Langeron P. J Sci Med Lille 88:615-21, Nov 70 (Fre)

[Porto-spleno-mesenteric obstructions] Belli L, et al. Mem Acad Chir (Paris) 95:719-21, 1969 (Fre)

[Attempted surgical treatment of cerebral thrombophlebitis] Morello A, et al. Minerva Neurochir 14:31-44, 1970 (Fre)

[Reconstruction surgery in chronic obstruction of the veins of the pelvis] Gruss JD, et al. Presse Med 79:529-30, 6 Mar 71 (Fre)

[Indications and results of portocaval shunt surgeries from the internistic viewpoint] Theuer D, et al. Dtsch Z Verdau Stoffwechselkr 30:107-10, 1970 (Ger)

[Surgical treatment of the post-thrombotic syndrome] May R. Hefte Unfallheilkd 107:129-32, 1970 (Ger)

[Thrombectomy in iliofemoral venous thrombosis. Thrombectomy alone and in combination with fibrinolysis] Brunner U. Helv Chir Acta 38:57-72, Apr 71 (Ger)

[Plethysmography and phlebography in venous thrombectomy] Göthlin J, et al. Radiologe 11:150-5, Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Restoration of patency of the subclavian vein in the Paget-Schroetter syndrome] Myszka S, et al.
Pol Przegl Chir 43:757-60, May 71 (Pol)
[Indications for surgical therapy of ileofemoral thrombosis] Borovkov SA, et al.
Klin Khir 10:58-61, Oct 69 (Rus)
[Our surgical experience in superficial thrombophlebitis of the lower extremities] Kapatsinskif EV. Klin Khir 8:5-7, Aug 70 (Rus)
[Errors and hazards in the surgery of acute thromboses of major veins of the lower extremities and pelvis] Savel'ev VS, et al. Klin Khir 12:50-3, Dec 70 (Rus)
[Treatment of thrombosis of the subclavian-axillary vein] Mianniste IuE, et al.
Sov Med 33:79-82, Dec 70 (Rus)
[Surgery in thrombophlebitis] Azimova RM.
Sov Zdravookhr Kirg 4:21-3, Jul-Aug 70 (Rus)
[The effectiveness of surgical treatment of posthrombotic syndrome of the lower extremities from the viewpoint of immediate results] Kapatsinskif EV. Vestn Khir 104:98-101, Apr 70 (Rus)
[Surgical treatment of thrombosis due to stress (Paget-Schroetter syndrome)] Klement AA, et al.
Vestn Khir 103:75-80, Nov 69 (Rus)

THERAPY

The management of deep vein thrombosis. Kakkar VV.
Am Heart J 82:422-4, Sep 71
Peripheral venous thrombophlebitis during pregnancy. Gurll N, et al. Am J Surg 121:449-53, Apr 71
[Treatment of venous thromboses in daily practice] Vigoni M. Acta Chir Belg 68:540-4, Oct 69 (Fre)
[Therapy of Paget-v. Schroetter syndrome] Asbeck F, et al. Dtsch Med Wochenschr 96:519, 19 Mar 71 (Ger)
[Treatment of thrombosis and the post-thrombotic syndrome] Lindemayr W, et al.
Wien Med Wochenschr 121:153-7, 27 Feb 71 (Ger)
[Diagnosis and treatment of blue phlegmasia] Ratner GL, et al. Klin Khir 12:21-3, Dec 70 (Rus)
[Dispensary treatment of patients with thrombophlebitis of the lower extremities] Lesin BM.
Sov Med 33:125-8, 1970 (Rus)
[Experience in the treatment of chronic thrombophlebitis of the lower extremities at Issyk-Kul'skif military sanatorium] Zhuraev TZh, et al. Voen Med Zh 6:58-9, Jun 70 (Rus)
[Treatment of patients with venous system pathologies at the Sochi-Matsesta health resort (varicose veins of the legs and thrombophlebitis)] Karasev IT.
Vopr Kurortol Fizioter Lech Fiz Kult 35:326-9, Jul-Aug 70 (Rus)

VETERINARY

[Thrombosis of the pharyngo-esophageal plexus in a swine] Keil M.
Berl Munch Tieraerztl Wochenschr 84:315, 15 Aug 71 (Ger)

THROMBOPLASTIN (D7)

Thromboplastic and fibrinolytic properties of three transplantable rat tumours. Peterson HI, et al.
Acta Chir Scand 136:365-8, 1970
Partial thromboplastin time in heparin therapy. Burdick CO, et al. Am J Clin Pathol 55:384-5, Mar 71
Statistical comparison of the automated activated partial thromboplastin time and the clotting time in the regulation of heparin therapy. Colman RW, et al.
Am J Clin Pathol 53:904-7, Jun 70
Sensitivities of thromboplastins to factor VII deficiency. Kleiner EE, et al.
Am J Clin Pathol 56:162-5, Aug 71
Prothrombin time standardization. Poller L.
Am J Clin Pathol 54:670-2, Oct 70
The activated partial thromboplastin time in the control of heparin treatment. Hirsh J, et al.
Australas Ann Med 19:334-7, Nov 70
Peptidase activity associated with the tissue factor of blood coagulation. Pitlick FA, et al.
Biochemistry 10:2650-7, 22 Jun 71
Monitoring heparin therapy with the activated partial thromboplastin time. Stuart RK, et al.
Can Med Assoc J 104:385-8, 6 Mar 71
Reaction to long-term oral anticoagulant therapy. A comparison of prothrombin and partial thromboplastin tests. Eastham RD.
J Clin Pathol 23:827, Dec 70
False elevation of partial thromboplastin time and prothrombin time. Humphreys E, et al.
JAMA 214:1702-4, 30 Nov 70
[Partial thromboplastin time (PTT) in stomatology] Mauro R, et al.
Rass Int Clin Ter 49:1381-7, 15 Nov 69 (Ita)
[Partial thromboplastin time (PTT). I. Its usefulness of preoperative screening in gynecology] Cattaneo A, et al. Riv Ostet Ginecol 24:26-37, 1 Jan 69 (Ita)
[Partial thromboplastin time (PTT). II. Contribution to the study of hemocoagulation in the exchange transfusion newborns] Cattaneo A, et al.
Riv Ostet Ginecol 24:38-43, 1 Jan 69 (Ita)
[The effect of intact erythrocytes on plasma thromboplastin activity] Ashkinazi IIa.
Biull Eksp Biol Med 65:27-30, May 68 (Rus)
[Changes in ultrastructure of thrombocytes in the process of their adhesive metamorphosis in hyperthromboplastino- and thrombinemia] Gromnatskif NI.
Probl Gematol Pereliv Krovi 15:35-7, Sep 70 (Rus)
[Partial thromboplastin time as a screening test in hemorrhagic diseases] Vargas V, et al.
Rev Med Chil 98:679-81, Oct 70 (Spa)

ADMINISTRATION & DOSAGE

[Conservative treatment of intestinal hemorrhage] Sarvan B. Med Welt 7:259-65, 13 Feb 71 (Ger)

ANALYSIS

Laboratory diagnosis of disseminated intravascular coagulation (DIC) using simple laboratory tests. Meriwether WD, et al. South Med J 64:621-3, May 71
Quantitative determination of platelet factor 3 activity. Polasek J, et al.
Thromb Diath Haemorrh 25:532-44, 30 Jun 71
Thromboplastin as a clotting factor. Quick AJ.
Thromb Diath Haemorrh 25:381-7, 30 Jun 71
[Thromboplastic activity of endometrium extracts in hemorrhages during the female climacteric] Slunsky R. Z Geburtshilfe Gynaekol 172:298-303, Jun 70 (Ger)
[Determination of thromboplastin hyperactivity] Smolianitskif AIa. Lab Delo 4:254-5, 1970 (Rus)
[Use of erythrophosphatide as a standard in the determination of blood thromboplastin activity] Kharamonenko SS, et al.
Probl Gematol Pereliv Krovi 15:38-9, Sep 70 (Rus)

ANTAGONISTS & INHIBITORS

Phospholipids. IV. Studies on the antithromboplastic activity of phosphatidylserine preparations and their derivatives. Zitko V, et al.
Can J Biochem 48:1318-25, Dec 70
Thromboplastin antagonist from the erythrocytes. Triantaphyllopoulos E. Life Sci [II] 9:931-41, 22 Aug 70
Partial and selective inactivation of thrombokinase by chymotrypsin. Milstone JH, et al.
Yale J Biol Med 43:223-35, Feb-Apr 71
[Circulating anticoagulants] Krulik M, et al.
Sem Hop Paris 47:1820-7, 14 Jun 71 (Fre)
[A study of clotting factors under labor. II. Factor XI, glas-contact-activation test, consumption of prothrombin. Inhibitor of tissue thromboplastin, thrombocytes] Stein WW, et al.
Arch Gynaekol 209:9-17, 1970 (Ger)
[The so-called antithromboplastin (ogen)emias] Pelick E, et al. Folia Haematol (Leipz) 94:209-13, 1970 (Ger)

BIOSYNTHESIS

Vasculas complications in nephrotic syndrome: relationship to steroid therapy and accelerated thromboplastin generation. Mukherjee AP, et al.
Br Med J 4:273-6, 31 Oct 70
The effect of anticoagulants on thromboplastin generation. Ismail A, et al.
J Egypt Med Assoc 53:412-8, 1970
[Blood thromboplastin activity in diseases of the liver and biliary tract] Lys PV. Sov Med 33:40-5, 1970 (Rus)

DIAGNOSTIC USE

Prothrombin activity correlation using different thromboplastins. Kelly ME.
Am J Med Technol 36:555-61, Dec 70

ISOLATION & PURIFICATION

[Studies on the thromboplastic activity of leukemic eosinophils] Malkiewicz B, et al.
Pol Arch Med Wewn 46:747-53, Jun 71 (Pol)

METABOLISM

Thromboplastin generation: effect of the Bell-Alton reagent and Russell viper venom on prothrombin consumption. Quick AJ.
Am J Clin Pathol 55:555-60, May 71
Effect of dietary vitamin K on avian brain thromboplastin activity. Griminger P, et al.
Poult Sci 49:1681-6, Nov 70
[Studies on thromboplastin activity, fibrinolysis and uptake of radioactive iodine-labeled fibrinogen in various experimental tumors] Hilgard P, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:96-100, Jul 70 (Ger)

PHARMACODYNAMICS

Effect of Trasylol on thromboplastin-induced arterial hypotension. Nordström S.
Acta Physiol Scand 79:469-74, Aug 70
Do platelets enhance thromboplastin-induced intravascular clotting? Evensen SA, et al.
Scand J Haematol 7:413-9, 1970
The defibrination syndrome in rabbits following infusion of tissue thromboplastin in the jugular vein. Albrechtsen OK, et al.
Thromb Diath Haemorrh 24:113-28, 31 Oct 70

PHYSIOLOGY

Platelet aggregation and platelet factor 3 activity in myeloproliferative disorders. Tangün Y.
Thromb Diath Haemorrh 25:241-51, 30 Jun 71

SECRETION

[The mechanism of hypercoagulation and hyperfibrinolysis development in acute hypoxia] Kuznik BI, et al.
Biull Eksp Biol Med 66:29-32, Sep 68 (Rus)

STANDARDS

Technical factors affecting the prothrombin time determination. Hill HB, et al.
Am J Clin Pathol 54:348-60, Sep 70
The British national thromboplastin. Poller R.
Br J Haematol 20:359-62, Apr 71
Standardization of the one-stage prothrombin time test for the control of anticoagulant therapy: availability and use of thromboplastin reference preparations. Biggs R, et al. Br Med J 3:470-1, Aug 71
Thromboplastin reference preparations. Poller L.
Br Med J 3:638, 11 Sep 71
International and national standardization of control of anticoagulant therapy in patients receiving coumarin and indanedione drugs using calibrated thromboplastin preparations. Denson KW.
J Clin Pathol 24:460-3, Jul 71

THROMBOPLASTINOGEN see FACTOR VIII (D7)

THROMBOSIS (C8)

Studies on thrombosis and thrombolysis by immunofluorescence. Walton KW, et al.
J Pathol 102:pvii, Feb 71
Portal vin thrombosis in intrahepatic block. Sicot C, et al. Minn Med 54:87-90, Feb 71
Acidosis induced disseminated intravascular microthrombosis and its dissolution by streptokinase. Broersma RJ, et al.
Thromb Diath Haemorrh 24:55-67, 31 Oct 70
Streaming potential. An analysis of the test technique and its application to the study of thrombosis on implant materials. Edmark KW, et al.
Thromb Diath Haemorrh 24:286-301, 31 Oct 70
Junction thrombi deposited on conducting materials at different potentials. An electron microscopic study. Ranganathan M, et al.
Thromb Diath Haemorrh 24:273-85, 31 Oct 70
[Thrombosis of urethral hemorrhoids during pregnancy] Reziciner S, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:493-5, Nov-Dec 68 (Fre)
[Thrombosis of the ovarian vein in the post-partum period] Ritter J, et al.
Rev Fr Gynecol Obstet 64:343-50, Jun 69 (Fre)
[Hemostasis and thrombosis] Dufault C, et al.
Union Med Can 98:1111-8, Jul 69 (30 ref.) (Fre)
[Histological report No. 223. Degos syndrome (papulosis atrophicans maligna)] Seghal VN.
Z Haut Geschlechtskr 44:Suppl:145-8, 1 Nov 69 (Ger)
[Cerebral complications related to deobstruction of Scribner shunts] Brancaccio D, et al.
Arch Ital Urol Nefrol 43:57-62, 1970 (Ita)
[Influence of leukocytes in the spontaneous lytic evolution of a thrombus in relation to age. (Differentiation between the lytic action of granulocytes and lymphocytes)] Torsellini A, et al.
G Gerontol 18:976-83, Oct 70 (Ita)
[Moschcowitz's disease (hemolytic thrombopenic microangiothrombosis)] Pasquazzi M.
Policlinico [Prat] 78:1549-64, Dec 69 (100 ref.) (Ita)
[Post-traumatic thrombosis of both the axillary and subclavian veins] Szczawiński A, et al.
Pol Przegl Chir 43:217-22, Feb 71 (Pol)
[Occlusion of the left pulmonary artery] Bogucki R, et al. Pol Tyg Lek 26:281-3, 22 Feb 71 (Pol)
[Diagnosis and treatment of acute traumatic thromboses of the vessels of the extremities] Kostin NS, et al. Khirurgiia (Mosk) 47:88-92, Feb 71 (Rus)

BLOOD

The irrelevance of adhesive platelet estimations after thrombosis. Eastham RD.
J Clin Pathol 23:407-10, Jul 70
[Inhibition of fibrinolysis and intravascular coagulation] Pizzuto J, et al.
Rev Invest Clin 21:425-36, Oct-Dec 69
Aggregation of platelets remaining in circulation after acute thrombosis. Zbinden G, et al.
Thromb Diath Haemorrh 25:517-23, 30 Jun 71
[Changes in the electric charge of blood platelets during various agressions. (Thrombosis. Endotoxin

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

shock. Acute hemolysis)] Larcan A, et al.
Presse Med 78:2379-80, 12 Dec 70 (Fre)
[Importance of the postmortem fibrinolysis in the demonstration of peripheral microthromboses] Harms D, et al.
Klin Wochenschr 49:648-51, 1 Jun 71 (Ger)
[Histochemical studies on fibrinolytic activity of experimental thrombi in rats after administration of direct and indirect fibrinolytic agents] Denk H, et al.
Thromb Diath Haemorrh 24:48-54, 31 Oct 70 (Ger)
[Changes in quantitative correlations in blood phospholipids following the development of experimental thromboses] Karagezian KG, et al.
Dokl Akad Nauk SSSR 191:250-2, Mar-Apr 70 (Rus)
[Evaluation of coagulation factor 3 activities by various methods in thrombotic diseases and in normal conditions] Ulutin ON, et al.
Tip Fak Mecm 32:593-9, 1969 (Tur)

CHEMICALLY INDUCED

Thrombosis with epsilon aminocaproic acid therapy. Grainick HR, et al. Am J Clin Pathol 56:151-4, Aug 71
Mechanism of thrombosis of the microcirculation. McKay DG, et al. Am J Pathol 63:231-54, May 71
Phagocytosis of platelets by leukocytes in artificial thrombi and in platelet aggregates induced by adenosine diphosphate. Shirasawa K, et al.
Am J Pathol 63:215-30, May 71
Effect of intra-arterial injections of barbiturates. Albo D Jr, et al. Am J Surg 120:676-8, Nov 70
Pulmonary angiothrombosis caused by "blue velvet" addiction. Szwed JJ. Ann Intern Med 73:771-4, Nov 70
Unusual focal mesenteric venous thrombosis associated with contraceptive medication: a case report. Miller DR. Ann Surg 173:135-8, Jan 71
Purified contact activation product of the coagulation system in experimental thrombosis. Barth P, et al.
Atherosclerosis 12:225-34, Sep-Oct 70
Vasculas complications in nephrotic syndrome: relationship to steroid therapy and accelerated thromboplastin generation. Mukherjee AP, et al.
Br Med J 4:273-6, 31 Oct 70
Congenital afibrinogenemia. Vascular changes and multiple thromboses induced by fibrinogen infusions and contraceptive medication. MacKinnon HH, et al.
Can Med Assoc J 104:597-9, 3 Apr 71
An evaluation of polyelectrolyte complexes as biomedical materials. Marshall DW, et al.
J Biomed Mater Res 4:357-68, Sep 70
Cigarettes, nicotine and thrombosis. Gordon JL.
J Pathol 103:pvii, Feb 71
[Experimental thromboses in the isolated eye] Regnault F, et al.
Bull Mem Soc Fr Ophtalmol 82:162-9, 1969 (Fre)
[Thrombosis of the retinal artery and oral contraceptives] Paufique L, et al.
Bull Soc Ophtalmol Fr 68:512-5, Apr 68 (Fre)
[Thrombosis risks and oral contraceptives] Asbeck F, et al. Med Welt 43:1859-61, 24 Oct 70 (Ger)
[The development of hyaline thrombi in the kidney of rabbits after treatment with liquoid] Vitík V.
Virchows Arch [Zellpathol] 7:219-28, 1971 (Ger)
[Oral contraceptives and thrombosis. Pathological-anatomical viewpoint] Jorgensen L.
Nord Med 84:1473, 12 Nov 70 (Nor)
[Oral contraceptives and thrombosis. Introduction] Stormorken H. Nord Med 84:1472-3, 12 Nov 70 (Nor)
[Should oral contraceptives be discontinued before surgery or during illness?] Abildgaard U, et al.
Tidsskr Nor Laegeforen 91:667, 30 Mar 71 (Nor)
[Vascular pathology secondary to administration of estroprogestogens] Serban MD.
Stud Cercet Endocrinol 22:99-112, 1971 (Rum)
[Arterial thrombosis after paravasal injection of Etolein] Hakelius L, et al.
Nord Med 84:1381, 22 Oct 70 (Swe)

COMPLICATIONS

Progressive dementia caused by an unusual type of generalized small vessel thrombosis. Torvik A, et al.
Acta Neurol Scand 47:137-50, 1971
Eisenmenger complex. Christ ML, et al.
Am Heart J 82:236-51, Aug 71
Pulmonary phycomycosis. Report of a case of bronchocutaneous fistula formation and pulmonary arterial mycothrombosis. Reich J, et al.
Am Rev Resp Dis 102:959-64, Dec 70
Thrombotic ulcerations of the gastrointestinal tract. Margaretten W, et al.
Arch Intern Med 127:250-3, Feb 71
Intestinal ischemia, a continuing problem. McDonald RT, et al. Ariz Med 27:1-5, Sep 70
Non-bacterial thrombotic endocarditis in association with mucus-secreting adenocarcinomas. RayChaudhuri M. Br J Dis Chest 65:96-104, Apr 71
Non-bacterial thrombotic endocarditis.
Br Med J 3:5, 3 Jul 71
Splenic vein thrombosis and bleeding esophageal varices. Yale CE, et al. JAMA 217:317-20, 19 Jul 71
Systemic edema, thrombosis, and other hypertensive lesions observed in the spontaneously hypertensive rat at advanced age. Nagaoka A, et al.
Jap J Pharmacol 20:509-16, Dec 70
Cirrhosis with portal thrombosis. Baldus WP.
Minn Med 54:829-30, Aug 71
Segmental infarction of the spinal cord associated with thrombosis of the abdominal aorta. Allen JP.
Rocky Mt Med J 67:41-4, Dec 70
Atherogenesis and thrombosis. French JE.
Semin Hematol 8:84-94, Jan 71 (66 ref.)
An experimental study of thrombotic ulceration of the gastrointestinal mucosa. Linder MM, et al.
Surg Gynecol Obstet 133:21-9, Jul 71
[Atrophic malignant papulosis of Degos with involvement of the central nervous system and presence of anti-arterial antibodies] Basset A, et al.
Bull Soc Fr Dermatol Syphiligr 76:333-4, 1969 (Fre)
[Degos' malignant atrophic papulosis. Outcome after 28 months' treatment with anticoagulants] Rivoire MJ.
Bull Soc Fr Dermatol Syphiligr 78:18-9, 1971 (Fre)
[Evolution of the ocular lesion of malignant atrophic papulosis] Parizot H, et al.
Bull Soc Ophtalmol Fr 69:158-64, Feb 69 (Fre)
[Vascular radiology in the diagnosis of atrophy of the left side of the liver due to neonatal thrombosis in children] Pinet F, et al.
J Radiol Electrol Med Nucl 49:870-3, Nov 68 (Fre)
[Left ventricular aneurysm caused by thrombosis of the anterior interventricular artery. Exeresis and right aorto-coronary anastomosis] Bercot M, et al.
Presse Med 79:1499-500, 3 Jul 71 (Fre)
[Budd-Chiari syndrome and thrombosis of the inferior vena cava treated by splenomesaraic-auricular anastomosis] Lataste J, et al.
Presse Med 79:1491-3, 3 Jul 71 (Fre)
[A case of late prosthetic dysfunctioning caused by thrombosis of a disk valve in the mitral position] Piwnica A, et al. Presse Med 79:761-2, 3 Apr 71 (Fre)
[Interhemispheric disconnection syndrome in a case of brachiocephalic arterial trunk thrombosis] Balaceanu C, et al. Rev Neurol (Paris) 123:44-8, Jul 70 (Fre)
[Thrombosis of the umbilical vessels] Lednár A, et al.
Zentralbl Gynaekol 92:435-42, 4 Apr 70 (Ger)
[Thrombotic occlusion of the central retinal vein and simple chronic glaucoma. Studies on the opposite eye] Peralta S, et al.
Ann Ottalmol Clin Ocul 94:587-91, Jun 68 (Ita)
[Vertebro-basilar insufficiency and the vestibular apparatus] Dufour A, et al.
Arch Ital Otol 81:67-74, Mar-Apr 70 (Ita)
[A case of patency of Botallo's duct with holodiastolic murmur. Semeiogenetic considerations] Pulici S.
Minerva Cardioangiol 17:549-56, Aug 69 (Ita)
[Intense retrosternal pain in a subject with arterial hypertension] Castleman B, et al.
Policlinico [Prat] 78:123-36, 16 Feb 71 (Ita)
[Hemorrhagic infarction of the right kidney in a newborn with thrombosis of the inferior vena cava] Baldi F. Riv Anat Patol Oncol 33:9-13, 1968 (Ita)
[On the cerebral type of pulmonary occlusion] Fabri S.
Riv Neurobiol 16:75-86, Jan-Mar 70 (Ita)
[Thrombotic tendencies in malignant diseases] Jacobsen CD.
Tidsskr Nor Laegeforen 91:9-14, 10 Jan 71 (Nor)
[Thrombosis of the basilar artery as a cause of sudden deafness in elderly people] Ruszel J.
Otolaryngol Pol 24:423-6, 1970 (Pol)
[Effect of bilateral prolonged stenosis of renal veins on the function and structure of the kidneys in rats] Krupa B, et al. Patol Pol 22:17-25, 1971 (Pol)
[Sudden obturation of an artery in arteriosclerosis obliterans] Laszczak W, et al.
Pol Przegl Chir 43:167-70, Feb 71 (Pol)
[Distribution of intravascular coagulation and its role in the pathogenesis of hemorrhagic syndrome in several types of acute leukosis] Logoida DM.
Probl Gematol Pereliv Krovi 15:15-9, Jun 70 (Rus)
[Bilateral emphysematous pyelonephritis with thrombosis of the renal vessels] Gonchar MA, et al.
Urol Nefrol (Mosk) 35:65-7, Jul-Aug 70 (Rus)
[Acute hepatic and mesenteric ischemia with thrombosis of the subrenal aorta. Apropos of a case treated by surgery] Hivet M, et al.
Rev Esp Enferm Apar Dig 33:687-98, 15 Nov 70 (Spa)
[Cancer, hypercoagulability and thrombosis] Sánchez Avalos JC. Sangre (Barc) 16:151-8, 1971 (Spa)

DIAGNOSIS

Platelet adhesiveness in coronary heart disease. Evaluation of the plateletrich plasma-ADP method. Stormorken H. Acta Med Scand 188:339-43, Nov 70
Noninvasive measurement of peripheral arterial flow. Impedance cardiograph and ultrasonic Doppler flowmeter. Couch NP, et al.
Arch Surg 102:435-9, May 71
A case of pseudo pulmonary stenosis. Mishra SC, et al.
Indian Heart J 22:61-5, Jan 70
Tumor thrombus of the right atrium displayed by rapid sequence scintiphotography. Staub RT.
J Nucl Med 11:559-60, Sep 70
Use of an ultrasonic flowmeter (Doppler) in diagnosis and treatment of a brachial artery occlusion. Case report. Lichti EL, et al.
Minerva Pediatr 67:738-9, Oct 70
Thrombosed hepatic artery aneurysm. Report of a case demonstrated echographically. Filly RA, et al.
Radiology 97:629-30, Dec 70
Blood hypercoagulability and thrombosis. Fletcher AP, et al. Trans Assoc Am Physicians 83:159-67, 1970
[Thrombotic thrombocytopenic purpura (Moschcowitz's disease) of unusually long duration] Hanák S, et al. Cesk Pediatr 26:282-3, Jun 71 (Cze)
[Digestive manifestations of malignant atrophying papulosis (Degos' disease). Value of laparoscopy] Paolaggi JA, et al.
Ann Med Interne (Paris) 121:965-9, Nov 70 (Fre)
[Arteriolitis, revealed by arteriographies, in 17 cases of Raynaud's diseases] Drianno JC.
Bull Soc Fr Dermatol Syphiligr 77:543-5, 1970 (Fre)
[Mild thrombosis of the cavernous sinus] Rad M von, et al. Dtsch Med Wochenschr 96:457-64, 12 Mar 71 (Ger)
[Animal experimental studies on the scintigraphic diagnosis of recent thrombosis] Fernoux HJ, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:487-93, Oct 70 (Ger)
[A method for intraoperative determination of the flow resistance in the lower leg] Piza F, et al.
Thoraxchirurgie 18:264-8, Jun 69 (Ger)
[A so-called papilloma of the aortic valve] Dvořák P.
Zentralbl Allg Pathol 114:328-5, 1971 (Ger)
[Tasks of the district physician in acute arterial obstruction of the extremities] Meskó E.
Orv Hetil 111:2786-7, 22 Nov 70 (Hun)
[Renal vein thrombosis] Meyrier A.
Pol Arch Med Wewn 46:709-11, Jun 71 (Pol)
[Diagnosis of free thrombi of the atrium] Ivanova TN, et al. Klin Med (Mosk) 48:101-3, Oct 70 (Rus)
[Vital diagnosis of thrombosis of the renal veins associated with nephrotic syndrome] Demin AA, et al.
Urol Nefrol (Mosk) 35:41-2, Sep-Oct 70 (Rus)
[Biochemical diagnosis of thrombosis and thromboembolism of the pulmonary artery following pneumonectomy] Shanin IuN, et al.
Vestn Khir 106:90-4, Mar 71 (Rus)
[Diagnosis of the pre-thrombotic state in cardiovascular diseases] Gritsiuk AI.
Vrach Delo 3:8-14, Mar 71 (Rus)
[Routin diagnosis of postoperative thrombosis with 125-I labelled fibrinogen] Becker J.
Nord Med 86:878-9, 22 Jul 71 (Swe)
[Thrombosis diagnosis and prophylaxis] Jansen H.
Nord Med 85:506, 22 Apr 71 (Swe)

DRUG THERAPY

Intramuscular heparin prophylaxis in experimental thrombosis in rats. Fahlström G, et al.
Acta Chir Scand 136:489-91, 1970
The search for an anti-thrombotic agent. Mitchell JR.
Adv Cardiol 4:233-40, 1970 (22 ref.)
Some implications in the successful heparin prophylaxis of sudden cardiopulmonary arrest by thrombosis and embolism. Sharnoff JG, et al.
Am Heart J 80:848-50, Dec 70
Effect of streptokinase therapy on experimental fibrin-rich arterial thrombi. Jorgensen L, et al.
Am J Pathol 62:7-16, Jan 71
The effect of streptokinase infusion on chronic arterial occlusions and stenoses. Verstraete M, et al.
Ann Intern Med 74:377-82, Mar 71
The present place of fibrinolytic therapy. Sharp AA.
Ann R Coll Surg Engl 48:27-8, Jan 71
Streptokinase for chronic arterial occlusive disease. Hume M, et al. Arch Surg 101:853-7, Dec 70
Thrombolytic therapy in arterial and venous thrombosis. Biggs JC.
Australas Ann Med 19:Suppl 19:19+, 1970
Dosage regimens for streptokinase treatment: evaluation of a standard dosage schedule. Hirsh J.
Australas Ann Med 19:Suppl 19:12-6, 1970
The use of thrombolytic therapy in obstetrics and gynaecology. Pfeifer GW.
Australas Ann Med 19:Suppl 19:28+, 1970
Treatment of acute and chronic arterial occlusions with streptokinase. Poliwoda H.
Australas Ann Med 19:Suppl 19:25-7, 1970
Small-vessel thrombosis following vascular injury. Successful treatment with a low-dose intra-arterial infusion of streptokinase. Chesterman CN, et al.
Br J Surg 58:582-5, Aug 71
The fibrinolytic therapy of thrombosed portal veins and shunts in liver cirrhosis with portal hypertension and in prehepatic block. Paquet KJ, et al.
J Cardiovasc Surg (Torino) 12:147-51, Mar-Apr 71
The effect of epsilon aminocaproic acid and tranexamic acid on thrombus size and strength in a simulated arterial aneurysm. Patterson RH Jr, et al.
J Neurosurg 34:365-71, Mar 71
Successful thrombolytic therapy after acute tricuspid-valve obstruction. Luluaga IT, et al.
Lancet 1:1067-8, 22 May 71
Two in-vivo studies comparing high and low aspirin dosage. O'Brien JR, et al. Lancet 1:399-400, 20 Feb 71
Aspirin against arterial and venous thrombosis. O'Brien JR. Lancet 1:804, 17 Apr 71
Arterial thrombolysis. Lancet 2:30, 3 Jul 71
Thrombolytic therapy with streptokinase. Biggs JC, et al. Med J Aust 1:171, 16 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Anticoagulants in peripheral vascular disease. Prentice CR, et al. Practitioner 206:330-7, Mar 71
Management of thrombotic diseases. Douglas AS. Semin Hematol 8:95-139, Apr 71 (153 ref.)
[Dextran's anthrombotic properties. A review] Stadil F. Ugeskr Laeger 132:1813-6, 24 Sep 70 (53 ref.) (Dan)
[Application of thrombolytic agents in acute arterial thrombosis] Salmon J.
Angeiologie 22:347-50, Nov-Dec 70 (Fre)
[Conditions of action of thrombolytic agents in arterial obliteration] Courbier R, et al.
Ann Chir Thorac Cardiovasc 7:597-604, Apr 68 (Fre)
[Attempted treatment of renal vascular obstruction by streptokinase in 2 anuric patients] Mignon F, et al.
Ann Med Interne (Paris) 120:861-8, Oct 69 (Fre)
[Thrombolysis by streptokinase (experimental and clinical study)] Abastado M, et al.
Arch Mal Coeur 62:700-19, May 69 (Fre)
[Long-term pergravid anticoagulant treatment: value of calciparin (2 cases)] Cornu P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:378-82, Sep-Oct 69 (Fre)
[The treatment of acute retinal arterial obliterations with thrombociasis] Arnoux M, et al.
Bull Soc Ophtalmol Fr 69:224-6, Feb 69 (Fre)
[Central retinal artery obliteration and streptokinase] Coscas G, et al.
Bull Soc Ophtalmol Fr 69:535-8, May-Jun 69 (Fre)
[Low-weight molecular dextran] Larcan A, et al.
Coeur Med Interne 9:79-90, Jan 70 (Fre)
[Experimentation with 4.091 CB. in arterial thrombosis of the lower limbs] Millieret P, et al.
Lyon Med 224:507-10, 1 Nov 70 (Fre)
[Use of thrombociase in ophthalmology] Arnoux M, et al. Presse Med 79:719-20, 27 Mar 71 (Fre)
[Current status of fibrnanolytic medication] Perrin MA.
Rev Lyon Med 17:543-6, 30 Jun 68 (Fre)
[Streptokinase treatment of acute vascular obliterations] Samama M, et al.
Sem Ther 44:232-4, Apr 68 (Fre)
[Streptokinase therapy of older arterial thromboses] Schmitt W. Hippokrates 41:530-2, Dec 70 (Ger)
[Experimental studies on the indication of fibrinolytic therapy in acute blood vessel obstructions] Blümel G, et al. Langenbecks Arch Chir 322:979-83, 1968 (Ger)
[Naftidrofuryl, a new blood vessel-active substance in the preparation for arterial vascular surgery] Becker HM. Med Klin 65:359-61, 20 Feb 70 (Ger)
[Complications during thrombosis therapy using anticoagulants] Osten W.
Med Lab (Stuttg) 24:154-8, Jul 71 (Ger)
[Indications and results with streptokinase treatment in arterial occlusions. With special reference to beginning therapy] Martin M.
Med Welt 43:1861-3, 24 Oct 70 (Ger)
[Peripheral blood flow following streptokinase therapy in arterial thrombosis] Ehringer H, et al.
Verh Dtsch Ges Kreislaufforsch 36:370-4, 1970 (Ger)
[The diagnostic capability of thrombelastogram, heparin and hirudin tolerance tests during anticoagulant therapy] Fiedler H, et al.
Z Aerztl Fortbild (Jena) 64:600-2, 15 Jun 70 (Ger)
[Blood flow measurements before and after streptokinase therapy of chronic arterial thrombosis and stenosis] Schmidtke I, et al.
Z Kreislaufforsch 59:673-84, Aug 70 (Ger)
[Clinical study of the effect of ethyl-alpha-p-chlorophenoxybutyrate (ciofibrate) in the venous retinal thrombosis] Cioli S, et al.
Ann Ottalmol Clin Ocul 96:477-82, Sep 70 (Ita)
[The dilemma of anticoagulant therapy in coronary disease] Loeliger EA.
Clin Ter 55:493-502, 31 Dec 70 (Ita)
[Streptokinase therapy in the treatment of chronic obstructive arterial diseases] Maresta A, et al.
G Clin Med 51:500-9, Jun 70 (Ita)
[Activation of fibrinolysis in therapy of peripheral arterial and venous thrombosis] Taddeucci E, et al.
Minerva Cardioangiol 18:553-8, Sep 70 (Ita)
[On the comparative results of the use of Clarisco in peripheral vascular diseases] Vittori C, et al.
Minerva Med Suppl 97:5585+, 5 Dec 70 (Ita)
[Preliminary clinical uses of aspirin as an anticoagu.ant. (Preliminary note)] Cavalieri U, et al.
Policlinico [Prat] 77:1668-70, 21 Dec 70 (Ita)
[Postoperative thrombosis of the vertebral artery--report of a case successfully treated with combination of a thrombolytic agent, low molecular dextran and an anticoagulant] Nagashima C.
Brain Nerve (Tokyo) 23:1419-27, Dec 70 (Jap)
[Anti-adhesion and anti-coagulant substances in thrombosis therapy. Acetylsalicylic acid and Persantin in the spotlight] Stormorken H.
Tidsskr Nor Laegeforen 91:449-50, 28 Feb 71 (Nor)
[Anticoagulant therapy in cardiovascular diseases. I. Thrombus formation and anticoagulants] Latallo ZS, et al. Kardiol Pol 13:351-8, 1970 (Pol)
[Personal experiences in the treatment of thromboembolic disease with streptase] Vujadinović B, et al. Srp Arh Celok Lek 98:435-9, Mar 70 (Ser)
[Indications for anticoagulant therapy in pediatrics] Brüster H. Folia Clin Int (Barc) 19:532-9, Nov 69 (Spa)
[Reptilase-induced molecular defect: treatment of thrombosis with Reptilase] Egberg N.
Nord Med 85:434, 8 Apr 71 (Swe)

ETIOLOGY

Platelet pharmacology in relation to thrombosis. Born GV. Adv Cardiol 4:161-74, 1970 (51 ref.)
The role of endothelial injury in arterial thrombosis and atherogenesis. Constantinides P.
Adv Cardiol 4:67-71, 1970
Thrombosis of a mitral disc-valve prosthesis: diagnostic importance of the absent opening click. Demany MA, et al. Am Heart J 80:816-9, Dec 70
Late vascular manifestations of the rubella syndrome. A roentgenographic-pathologic study. Fortuin NJ, et al. Am J Med 51:134-40, Jul 71
Thrombogenic properties of blood during early ischemic and nonischemic injury. Moschos CB, et al.
Am J Physiol 220:1882-4, Jun 71
Complications of cardiovascular radiology. A review of 1,204 cases. Moore CH, et al.
Am J Surg 120:591-3, Nov 70
Occlusion of the bronchial arteries by glass microspheres. Boushy SF, et al.
Am Rev Resp Dis 103:249-63, Feb 71
Effects of sex hormones on diet-induced atrial thrombosis. Wilson JL, et al.
Anat Rec 168:331-7, Nov 70
Femoral steal syndrome. Dales HC.
Angiology 22:68-9, Feb 71
Femoral arterial thrombosis in nephrotic syndrome. Cameron JS, et al. Arch Dis Child 46:215-6, Apr 71
The intimal flap. Hare RR, et al.
Arch Surg 102:552-5, Jun 71
The influence of haemodynamics on the structure and organisation of experimental red thrombi. Scott GB, et al. Br J Exp Pathol 51:404-10, Aug 70
Thrombo-embolic phenomena in prostic cancer. Farnsworth RH, et al. Br J Urol 42:743, Dec 70
Management of clotting in arteriovenous cannulae in patients on regular dialysis therapy. Robinson PJ, et al. Br J Urol 42:590-7, Oct 70
Renal vein thrombosis after transplantation. Figueroa JE, et al. Br Med J 1:288, 30 Jan 71
Hyperosmolar non-ketotic diabetic coma: with particular reference to vascular complications. Whelton MJ, et al. Br Med J 1:85-6, 9 Jan 71
Risks of suddenly stopping anticoagulants.
Br Med J 2:485-6, 29 May 71
Thrombogenic experience with intravascular heat exchangers. Huffman FN, et al. Chest 58:590-7, Dec 70
Isotope scanning and fibrinogen degradation products in deep vein thrombosis. Dintenfass L, et al.
Clin Sci 40:25P, Jun 71
Ischemia of the hand from using palm as hammer.
Geriatrics 26:76-7, Jun 71
The endothelial role in thrombosis. Induced retinal vasculitis in the living extracorporeal eye. Tazawa Y, et al. Invest Ophthalmol 10:481-8, Jul 71
Blood platelets and thrombosis. Chatterjea JB.
J Indian Med Assoc 54:516-8, 1 Jun 70
Blood platelets and thrombosis. Chatterjea JB.
J Indian Med Assoc 54:516-8, 1 Jul 70
Thrombosis of the inferior vena cava in patients with cyanotic congenital heart disease. Kuehl KS, et al.
J Pediatr 79:430-5, Sep 71
Platelets, coagulation and in vitro thrombus formation. Constantine JW, et al.
J Pharmacol Exp Ther 176:76-82, Jan 71
Renal artery thrombosis following minor trauma. Patel SC. J R Coll Surg Edinb 15:337-42, Nov 70
Abdominal pain, jaundice and systemic thromboses in association with bullous lung disease. Dais CF, et al.
J Tenn Med Assoc 64:38-44, Jan 71
Massive pulmonary arterial thrombosis following pneumonectomy. Arciniegas E, et al.
J Thorac Cardiovasc Surg 61:487-9, Mar 71
The complications of brachial arteriotomy. Armstrong PW, et al. J Thorac Cardiovasc Surg 61:434-9, Mar 71
High-velocity arterial injury: a study of the mechanism of injury. Amato JJ, et al. J Trauma 11:412-6, May 71
Chemical and morphologic responses of arteriosclerotic and nonarteriosclerotic rats to magnesium-aluminum wire implants. Wexler BC.
Lab Invest 25:60-7, Jul 71
The role of platelets in chronic rejection. Evans G, et al.
Laval Med 41:Suppl:718-20, May 70
Thrombus formation on polymeric materials. V. Effect of interface on the formed elements. Kletschka HD, et al. Minn Med 54:759-63, Sep 71
Sickle cell anemia with thrombosis and gangrene in all four extremities--a case presentation. Maragos GD, et al. Nebr State Med J 56:3-4, Jan 71
An experimental inquiry into relations between the pathogenesis of athero-arteriosclerosis with thrombosis in man and animal. Scott RA.
Proc Inst Med Chic 28:273, May 71
Traumatic abdominal aortic occlusion. Thal ER, et al.
South Med J 64:653-6, Jun 71
Complications of angiography: incidence and prevention. Schreiber MH. Tex Med 67:68-71, Jan 71
Platelet aggregation induced by basement membranes. Hugues J, et al.
Thromb Diath Haemorrh 24:395-406, 31 Dec 70
Renal artery thrombosis due to closed trauma. Evans A, et al. Trans Am Assoc Genitourin Surg 62:46-6, 1970
[Participation of uric acid in thromboses of the eye] Balik J, et al. Sb Lek 73:171-4, Aug 71 (Cze)
[Acute arterial thrombosis of the lower limbs in arteritis due to overload] Arnulf G.
Angeiologie 22:329-32, Nov-Dec 70 (Fre)
[Dysfunction of a mitral Starr valve, one year after operation, caused by thrombosis interfering with the movement of the metallic disk] Bensaid J, et al.
Arch Mal Coeur 63:1460-8, Oct 70 (Fre)
[Starr mitral valve partly disinserted and thrombosed. Reoperation with success] Degeorges M, et al.
Arch Mal Coeur 63:1187-96, Aug 70 (Fre)
[Risk of mitral prostheses with metallic disc: blockage of the disc by thrombosis. Apropos of 2 further cases] Penther P, et al.
Arch Mal Coeur 64:801-12, Jun 71 (Fre)
[Complications of thrombosis at the level of mitral prostheses] Slama R.
Arch Mal Coeur 63:1469-71, Oct 70 (Fre)
[Interpretation of histopathological data in view of the development of 2 cases of acute promyelocytic leukemia with consumption coagulopathy] Bentégeat J, et al. Bord Med 3:2687-90 passim, Nov 70 (Fre)
[3 severe cases of human rickettsial disease caused by R. conori without authenticated entomologic transmission] Bertoye A, et al.
Bull Acad Vet Fr 43:247-56, Jun 70 (Fre)
[Immediate complications of percutaneous retrograde arteriography by the femoral route] Doutre LP, et al.
Chirurgie 96:891-6, 18 Nov 70 (Fre)
[Iterative bridgings on the anterior tibial artery in the sequelae of a thrombosis of the femoral artery occurring during Vaquez' disease] Bouchet A, et al.
Experientia 27:362-5, 15 Jan 71 (Fre)
[Upper mediastinal tumorous opacity related to venous propagation of thyroid cancer] Linquette M, et al.
Lille Med 14:1189-93, Dec 69 (Fre)
[Portal thromnbosis observed in an infant after neonatal exchange transfusion] Monnet P, et al.
Pediatrie 26:469-13, Jun 71 (Fre)
[Acute arterial obliteration connected with aneurysms] Gedeon A.
Rev Atheroscler (Paris) 11:26-9, 1969 (Fre)
[Blood platelets and cardiovascular disorders] Jobin F.
Union Med Can 99:1055-61, Jun 70 (Fre)
[Occlusion dermatosis following cold injury] Fischer H, et al. Berufsdermatosen 19:152-60, Jun 71 (Ger)
[Unilateral kidney artery thrombosis with acute hypertension caused by accidents] Lenz P, et al.
Monatsschr Unfallheilkd 74:338-41, 1971 (Ger)
[Complications after heart valve prosthesis] Banki H.
Wien Klin Wochenschr 83:212-5, 26 Mar 71 (Ger)
[Pathogenesis and differential diagnosis of the thrombosis in the newborn] Bleyl U, et al.
Z Kinderheilkd 109:83-103, 1970 (Ger)
[Diffuse hemorrhage of the gastric mucosa in liver cirrhosis associated with pylethrombosis]
Kellermayer M. Orv Hetil 112:446-9, 21 Feb 71 (Hun)
[Thrombosis in vascular surgery] D'Addato M, et al.
Acta Chir Ital 25:793-824, Nov-Dec 69 (Ita)
[Direct arterial surgery: local complications. II. Infections, arterio-intestinal fistula, thrombosis, complications of prostheses and grafts] Raso AM, et al. Arch Sci Med (Torino) 127:65-108, Jan-Mar 70 (Ita)
[Chronic latent intravascular coagulation in the pathogenesis of the thrombophilic syndrome of atheromatous disease] Neri Serneri GG, et al.
Boll Soc Ital Cardiol 14:75-86, 1969 (Ita)
[Data on thrombophilic states] Raffaello B, et al.
Haematol Lat 12:569-94, Jul-Dec 69 (162 ref.) (Ita)
[Acute peripheral arterial thrombosis. Clinico-therapeutic considerations on 30 treated cases] Aliperta G, et al.
Minerva Cardioangiol 19:345-55, Jul 71 (Ita)
[Liver cancer associated with a large spheric thrombus caused by tumor in the right atrium of the heart] Kato Y, et al. Naika 28:349-53, 1971 (Jap)
[Oral contraceptives and antithrombin-3] Naess K.
Tidsskr Nor Laegeforen 91:892, 30 Apr 71 (Nor)
[Oral contraceptives and hematologic data]
Tidsskr Nor Laegeforen 91:892-3, 30 Apr 71 (Nor)
[Physico-chemical properties of thrombocytes in experimental arteriosclerosis] Markosian AA, et al.
Kardiologiia 11:25-8, Feb 71 (Rus)
[Changes in ultrastructure of thrombocytes in the process of their adhesive metamorphosis in hyperthromboplastino- and thrombinemia] Gromnatskif NI.
Probl Gematol Pereliv Krovi 15:35-7, Sep 70 (Rus)
[Value and rate of fibrinolysis, its relationship to intravascular thromboformation in main diseases of the cardiovascular system] Gritsiuk AI.
Ter Arkh 42:102-9, Sep 70 (Rus)
[Diagnosis of the pre-thrombotic state in cardiovascular diseases] Gritsiuk AI.
Vrach Delo 3:8-14, Mar 71 (Rus)
[Phlebothrombosis in orthopedic surgery and traumatology. Introduction] Martorell F.
Angiologia 22:24-6, Jan-Feb 70 (Spa)
[Thrombotic complication of Seldinger's technic] Salvidea JC, et al.
Prensa Med Argent 57:1510-5, 2 Oct 70 (Spa)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Do patients with preoperative high thrombocyte adhesion and low fibrinolysis activity have an increased post-operative thrombosis frequency?] Becker J. Nord Med 86:878, 22 Jul 71 (Swe)
[Thrombogenicity caused by various catheters. Study using the isotope technic of thrombus quantity and formation by various catheter materials in vivo] Schlossman D. Nord Med 85:631, 20 May 71 (Swe)
[Thrombosis in long-time catheterization] Schlossman D, et al. Nord Med 84:1318, 8 Oct 70 (Swe)
[Modern aspects of the pathogenesis of thrombosis] Rolović Z, et al. Med Glas 24:53-7, Feb 70 (Cro)

HISTORY

[Blood platelets, spontaneous hemostasis and thrombosis (historical summary)] Roskam J. Brux Med 50:785-9, Nov 70 (Fre)

METABOLISM

Effect of thrombogenic and atherogenic diets on aspects of hepatic energy metabolism in rats. Morrison ES, et al. Atherosclerosis 12:139-58, Jul-Aug 70
[Experimental studies on arterial thrombosis, especially on the metabolic factor in the arterial wall for thrombus formation] Hashi K. Arch Jap Chir 36:242-59, 1 May 67 (Jap)

PATHOLOGY

Vascular endothelial damage and thrombosis. Spaet TH, et al. Adv Cardiol 4:47-66, 1970 (81 ref.)
Adenosine diphosphate-induced platelet aggregation and vascular injury in swine and rabbits. Jorgensen L, et al. Am J Pathol 61:161-76, Nov 70
Medial damage associated with aortic mural thrombi. Woolf N, et al. J Pathol 103:pxx, Feb 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 8-1971. N Engl J Med 284:435-42, 25 Feb 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17-1971. N Engl J Med 284:967-74, 29 Apr 71
Problems with prosthetic valve surgery. Postgrad Med 49:177-81, Jun 71
Studies on thrombolysis with streptokinase. 3. Morphological examinations of thrombi-thrombus retraction and secondary swelling and the termination of lysibility because of organization. Gottlob R, et al. Thromb Diath Haemorrh 25:354-78, 30 Jun 71
[Papulosis atrophicans maligna (Degos) with involvement of the nervous system] Herdemerten S, et al. Arch Psychiatr Nervenkr 214:33-45, 1971 (Ger)
[Morphologic findings in posttraumatic thromboses and their complications] Schoenmackers J. Hefte Unfallheilkd 107:116-24, 1970 (Ger)
[Moschcowitz-syndrome. Common synonyms: thrombotic-thrombocytic purpura; thrombohemolytic thrombocytopenic purpura, thrombotic microangiopathy] Klein PJ, et al. Med Welt 23:949-53, 5 Jun 71 (Ger)
[A case of Moschcowitz disease] Zanini S, et al. Minerva Cardioangiol 17:242-53, Apr 69 (Ita)
[Morphology and pathogenesis of Moschcowitz's syndrome] Drozd TN. Arkh Patol 32:30-7, 1970 (Rus)
[Structural changes of the sympathetic ganglia in chronic arteriopathies] Gomez-Marquez J, et al. Angiologia 23:59-63, Mar-Apr 71 (Spa)

PHYSIOPATHOLOGY

Chronic pulmonary artery thrombosis with features of unilateral hyperlucent lung syndrome. Schlozman DL, et al. Am J Med 50:547-51, Apr 71
Concerning the organization of thrombi. Scott GB. Ann R Coll Surg Engl 47:335-43, Dec 70
Effect of lipaemia and acute haemodynamic disturbances on thrombus formation in rhesus monkeys. Chakravarti RN, et al. Indian J Med Res 58:223-9, Feb 70
Retinal collateral vessel formation. Klein R, et al. Invest Ophthalmol 10:471-80, Jul 71
Study of platelet adhesiveness in atherosclerosis. Teodorescu P, et al. Rom Med Rev 15:18-22, Jan-Mar 71
[Selective occlusions of retinal vessels of the cat. I. Technic and ophthalmoscopic findings] Gloor BP, et al. Albrecht von Graefes Arch Klin Ophthalmol 181:344-62, 1971 (Ger)

PREVENTION & CONTROL

Incidence of thrombosis associated with epsilon-aminocaproic acid administration and with combined epsilon-aminocaproic acid and subcutaneous heparin therapy. II. A clinical study with the aid of intravenous phlebography. Becker J, et al. Acta Chir Scand 136:167-71, 1970
Declotting of Quinton-Scribner shunts. Watt AL, et al. Am Heart J 81:292-5, Feb 71
Trends in the development of antithrombotic agents. Hampton J. Am J Cardiol 27:659-69, Jun 71 (119 ref.)
Experimental thrombosis and prevention by drugs that interfere with platelet aggregation. Rozenberg MC. Australas Ann Med 19:Suppl 19:9-11, 1970
Hydron-coated terylene suture: a pilot study. Singh MP, et al. Biomed Engin 6:157-9, Apr 71
Nonthrombogenic surfaces: critical review. Salzman EW. Blood 38:509-23, Oct 71 (134 ref.)
Heel cushion on operating table. Williams B. Br Med J 2:47-8, 3 Apr 71
Thrombosis prevention by acetylsalicylic acid in hyperlipemic rats. Renaud S, et al. Can Med Assoc J 103:1037-40, 1 Nov 70
A simple non-thrombogenic coating. Amplatz K. Invest Radiol 6:280-9, Jul-Aug 71
Early and late thrombosis of prostheses implanted in the aorto-iliac region. Treatment and prevention. Bartos J, et al. J Cardiovasc Surg (Torino) 12:19-24, Jan-Feb 71
Electrochemical creation of autobiological lining for thrombosis prevention in prostheses of cardiovascular system. Petrovsky BV, et al. J Cardiovasc Surg (Torino) 11:201-8, May-Jun 70
Heparin prevention of catheter thrombosis. Danieli HW. JAMA 216:1200, 17 May 71
Prevention of thrombosis with topical magnesium sulphate. Acland R. Lancet 1:1179-80, 5 Jun 71
Small doses of heparin in the prevention of deep venous thrombosis. Ham JM, et al. Lancet 2:428, 21 Aug 71
Aspirin, thrombosis, and the future. O'Brien JR. Lancet 2:486, 28 Aug 71
Heparin prophylaxis. Sharnoff JG. Lancet 1:650, 27 Mar 71
Aspirin against clotting. Thomas DP. Lancet 1:450-1, 27 Feb 71
Prevention of experimental arterial thrombosis and platelet adhesiveness by 2,6-bis-(diethanolamino)-4-piperidinopyrimido-[5,4-d]-pyrimidine (RNA 233). Didisheim P, et al. Mayo Clin Proc 45:695-9, Oct 70
Thrombus formation on polymeric materials. II. Blood compatible surfaces. Olsen DA, et al. Minn Med 53:877-84, Aug 70 (82 ref.)
Thrombus formation of polymeric materials. 3. Mechanism of blood coagulation. Olsen DA, et al. Minn Med 53:989-94, Sep 70 (14 ref.)
Further experience in the use of ancrod (Arvin) to prevent thrombosis on prosthetic heart valves. Singh MP, et al. Thorax 26:167-71, Mar 71
The use of ancrod to prevent thrombosis on prosthetic heart valves. An experimental study. Singh MP, et al. Thorax 25:472-6, Jul 70
Protection by aspirin against experimentally induced arterial thrombosis in dogs. Danese CA, et al. Thromb Diath Haemorrh 25:288-96, 30 Jun 71
Thrombosis prevention by coagulation and platelet aggregtion inhibitors, in hyperlipemic rats. Renaud S, et al. Thromb Diath Haemorrh 24:577-86, 31 Dec 70
Combined treatment with aminocaproic acid and subcutaneous heparin in the prevention of thrombosis following prostatectomy. Borgström S, et al. Zentralbl Phlebol 9:105-11, May 70
[Prevention of thrombosis phenomena in experiments on circulatory assistance and cardiac substitution] Saumont R, et al. Arch Mal Coeur 63:1401-5, Oct 70 (Fre)
[Anticoagulant treatments and surgery. Biological bases] Cornu P. Bull Mem Soc Chir Paris 61:147-55, 1971 (Fre)
[Anticoagulant treatment in current general surgery] Courtine JC. Bull Mem Soc Chir Paris 61:167-74, 1971 (Fre)
[Peroperative and postoperative anticoagulants in vascular surgery] Rignault D. Bull Mem Soc Chir Paris 61:175-80, 1971 (Fre)
[The surgeon and anticoagulants] Schulsinger G. Bull Mem Soc Chir Paris 61:156-66, 1971 (Fre)
[Prevention and treatment of thrombosis by a synthetic heparinoid: indications in the obstetrical field] Baron F, et al. Lyon Med 222:239-42 passim, 7 Sep 69 (Fre)
[Use of light molecular weight Dextran for prevention of postoperative thrombosis in urologic surgery] Moine C, et al. Lyon Med 222:214-9, 27 Jul 69 (Fre)
[Biological diagnosis of postoperative thrombogenic tendency] Jausseran JM, et al. Mars Med 107:637-42, 1970 (Fre)
[Should anticoagulants still be prescribed?] Koller F. Rev Med Liege 26:365-70, 1 Jun 71 (Fre)
[Current status of thrombosis prevention in thoracic and abdominal vascular and accident surgery] Koslowski L, et al. Munch Med Wochenschr 113:289-93, 26 Feb 71 (Ger)
[Taurine as fibrinolytic agent in humans: early therapeutic observations] Fanciullacci M, et al. Clin Ter 53:3-8, 15 Apr 70 (Ita)
[Direct surgery of the arteries (synthetic prosthesis and prevention of secondary thrombosis)] Guagliano G, et al. Minerva Chir 25:907-33, 15 Jul 70 (Ita)
[Anticoagulant therapy for the mitral disease with special reference to preoperative treatment] Watanabe T, et al. Jap J Thorac Surg 24:381-7, Jun 71 (Jap)
[Prevention of thrombus formation after vascular reconstruction] Oshiro T, et al. Shujutsu 25:206-15, Feb 71 (Jap)
[New problems in coagulation and anticoagulation] Owren PA. Nord Med 84:1474, 12 Nov 70 (Nor)
[Protective action of low-molecular dextran (40,000) in prevention of early thrombosis during vascular surgery] Piskorz A, et al. Pol Przegl Chir 42:1320-5, Sep 70 (Pol)
[Experimental studies of the preventive antithrombic action of Dextran 40] Kostrzewska E, et al. Pol Tyg Lek 26:788-90, 24 May 71 (Pol)
[Thrombosis prophylaxis in collum fractures--a comparison between dicumarol and dextran under different conditions] Bergqvist D, et al. Nord Med 86:878, 22 Jul 71 (Swe)
[Thrombosis prevention in prostatectomy--a double blind study] Hedlund PO, et al. Nord Med 85:187, 11 Feb 71 (Swe)
[Thrombosis diagnosis and prophylaxis] Jansen H. Nord Med 85:506, 22 Apr 71 (Swe)

RADIOGRAPHY

The radiology of the Hughes-Stovin syndrome. Wolpert SM, et al. Am J Roentgenol Radium Ther Nucl Med 112:383-8, Jun 71
Radiological notes. Case No. 346. Bloch C, et al. Mt Sinai J Med NY 37:737-41, Nov-Dec 70
Fifty-nine year old carpenter with pain in the right foot and calf of four weeks duration. SD J Med 24:27-33, Mar 71
[False spleno-portal thromboses] Nahum H, et al. Ann Radiol (Paris) 13:671-9, 1970 (Fre)
[Caliber of deep leg veins in primary varicosis and in post-thrombotic syndrome (a phlebographic study)] Fischer H, et al. Hautarst 21:205-11, May 70 (Ger)
[Cystic degeneration of the adventitia] Ehringer H, et al. Wien Med Wochenschr 120:49-51, 24 Jan 70 (Ger)
[Thrombosis of the renal artery diagnosed in vivo] Földi J. Z Urol Nephrol 63:117-23, Feb 70 (Ger)
[The value of arteriography in assessing collateral circulation in occlusion of the femoral artery] Kiselev VIa. Vestn Khir 104:86-94, Apr 70 (Rus)

REHABILITATION

[Thrombotic cerebrovascular disorders: rehabilitation] Saudan Y. Rev Med Suisse Romande 90:747-56, Sep 70 (Fre)

SURGERY

[Revascularization of the leg axes (31 cases)] Cormier JM, et al. Acta Otorhinolaryngol Belg 23:259-74, 1969
Balloon catheter endarterectomy: a new technic of disobliteration in chronic occlusive arterial disease. Bartley TD, et al. Am Surg 36:766-70, Dec 70
Aortoiliac reconstruction in patients 32 to 45 years of age. Najafi H, et al. Arch Surg 101:780-4, Dec 70
Early and late thrombosis of prostheses implanted in the aorto-iliac region. Treatment and prevention. Bartos J, et al. J Cardiovasc Surg (Torino) 12:19-24, Jan-Feb 71
Results of reconstructive surgery in severe ischaemia. Birnstingl M, et al. J Cardiovasc Surg (Torino) 11:447-9, Nov-Dec 70
The "in-situ" vein bypass. Dundas P. J Cardiovasc Surg (Torino) 11:450-3, Nov-Dec 70
Distal arterial reconstruction (tibial and peroneal arteries) for lower limb ischemia. Faidutti B, et al. J Cardiovasc Surg (Torino) 11:378-84, Sep-Oct 70
Skin and muscle celarance with 133-xenon and 125-iodine antipyrine. Effect of vascular reconstruction examined. Kövamees A. J Cardiovasc Surg (Torino) 11:479-81, Nov-Dec 70
A critical analysis of peripheral vascular insufficiency in obliterative and fibro-sclerotic arterial disease. al-Naaman YD, et al. J Cardiovasc Surg (Torino) 11:269-73, Jul-Aug 70
Iliac compression syndrome. Report of ten cases. Rigas A, et al. J Cardiovasc Surg (Torino) 11:389-92, Sep-Oct 70
Aneurysms in autologous venous patches used for arterial reconstruction. A late complication. Steensaert B, et al. J Cardiovasc Surg (Torino) 11:183-7, May-Jun 70
Exercise testing in the evaluation of patients undergoint direct arterial surgery. Strandness DE Jr. J Cardiovasc Surg (Torino) 11:192-200, May-Jun 70
Revascularization for upper extremity ischemia. Allgood RJ, et al. J Okla State Med Assoc 63:56-8, Feb 70
Aorta-to-profunda arterial reconstruction. Little JM, et al. Med J Aust 2:1085-8, 5 Dec 70
Femoropopliteal reconstruction for advanced ischemia of the lower limb. Blumenberg RM, et al. Surgery 69:87-92, Jan 71
The nonreversed saphenous vein bypass for femoral-popliteal occlusive disease. Connolly JE, et al. Surgery 68:602-9, Oct 70
Spontaneous necrosis of a functioning saphenous vein graft. Friedman SA, et al. Surgery 66:1022-5, Dec 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Extremity salvage: vein by-pass to the ankle level and beyond. Foster RP, et al. Vasc Surg 5:12-20, Jan-Feb 71
Living homologous saphenous vein in geriatric femoropopliteal bypass grafting--report of a case. Jackson DR. Vasc Surg 5:6-11, Jan-Feb 71
The late management of acute popliteal occlusion. Moss GS, et al. Vasc Surg 4:171-8, Sep 70
Aorto-iliac occlusive disease and horseshoe kidney. Review of the literature and case report. Papadopoulos CD, et al. Vasc Surg 4:212-6, Sep 70
[Bilateral temporal arteritis] Khadzhiev D. Khirurgiia (Sofiia) 23:527-9, 1969 (Bul)
[Prevention and treatment of thromboses of arterial prostheses in the aorto-iliac area] Bartoš J, et al. Rozhl Chir 50:334-9, 1971 (Cze)
[Thrombectomy in acute thrombosis of arteritis of the lower limbs] Arnulf G. Angeiologie 22:361-4, Nov-Dec 70 (Fre)
[Surgical treatment in acute arterial thrombosis of the lower limbs in arteritis due to overload] Perrin M. Angeiologie 22:353-8, Nov-Dec 70 (Fre)
[Thrombectomy for chronic and extensive arterial obliterations. Indications and results of 30 cases] Kim M, et al. Chirurgie 97:46-51, 13 Feb 71 (Fre)
[Revascularization of the leg axes (31 cases)] Cormier JM, et al. J Chir (Paris) 101:259-74, Mar 71 (Fre)
[Technic of thrombendarterectomy (Ringstripper corkscrew extraction)] Vollmar J, et al. J Chir (Paris) 100:67-82, Jul-Aug 70 (Fre)
[Treatment of acute ischemia of the limbs. Study of a series of 27 cases] Langeron P, et al. J Sci Med Lille 87:455-60, Jun-Jul 69 (Fre)
[Results of thrombosequestrectomy] Roberts-Jaspar A, et al. J Sci Med Lille 87:405-14, Jun-Jul 69 (Fre)
[Juxtra-renal aortic thrombosis. A special problem in the treatment of termino-aortic occlusions] Bonneton G, et al. Lyon Chir 67:193-6, May-Jun 71 (Fre)
[Traumatic subadventitial rupture of the abdominal aorta with aortic thrombosis. Resection. Graft. Cure] Delore X, et al. Lyon Chir 65:412-4, May-Jun 69 (Fre)
[Arterialization of thrombectomized venous segment in lage surgical treatment of thrombosis of the inferior vena cava] Mailliard JN, et al. Presse Med 78:2417-9, 19 Dec 70 (Fre)
[Surgical treatment of acute arterial obliteration] Rettori R, et al. Rev Atheroscler (Paris) 10:55-6, 1968 (Fre)
[Surgical treatment of various forms of acute thrombosis of the extremities] Tingaud R. Rev Atheroscler (Paris) 10:30-6, 1968 (Fre)
[Acute dissection of a thoracic aortic aneurysm with postoperative occlusion of an aortic bifurcation prosthesis--successful after operation] Heberer G, et al. Chirurg 41:466-9, Oct 70 (Ger)
[Thrombectomy in ileofemoral venous thrombosis. Thrombectomy alone and in combination with fibrinolysis] Brunner U. Helv Chir Acta 36:57-72, Apr 71 (Ger)
[Retrograde thromboendarterectomy of the iliac artery with local anesthesia] Baumann G. Med Klin 65:837-40, 24 Apr 70 (Ger)
[Surgical therapy of ischemic syndromes caused by femoral-popliteal arterial occlusions] Buff HU, et al. Schweiz Med Wochenschr 100:771-3, 2 May 70 (Ger)
[Stabilizing reactions of the vascular wall after thromboendarterectomy] Koch G, et al. Thoraxchirurgie 18:453-8, Dec 70 (Ger)
[The surgical treatment of obstructions of the supra-aortic cerebral arteries] Virkkula L, et al. Thoraxchirurgie 18:261-3, Jun 69 (Ger)
[A method for replacing occluded femoro-popliteal dacron grafts] Bogokowsky H, et al. Harefuah 79:503-4, 1 Dec 70 (Heb)
[Femoro-femoral cross-over graft] Eger M, et al. Harefuah 79:205-7, 1 Sep 70 (Heb)
[Acute peripheral arterial occlusions] Urca I, et al. Harefuah 78:232-4, 1 Mar 70 (Heb)
[How long is surgical intervention indicated in acute arterial occlusion in the extremities] Farkas A, et al. Orv Hetil 112:474, 21 Feb 71 (Hun)
[Our embolectomy patients] Tompa G, et al. Orv Hetil 111:2293-5, 27 Sep 70 (Hun)
[Problems of anesthesia and resuscitation in surgery of the aorta and its bracches] Taraxzi R, et al. Minerva Anestesiol 36:509-31, Aug 70 (Ita)
[On the use of the Foley catheter in the treatment of ischemic syndromes of the extremities] Trabattoni P, et al. Minerva Cardioangiol 19:65-72, Feb 71 (Ita)
[On "late" operations after acute occlusion of the arteries of the extremities] Cavallaro A, et al. Policlinico [Chir] 78:61-77, Mar-Apr 71 (Ita)
[Thromboendarterectomy in the treatment of chronic obstructive arteriopathy of the iliac-popliteal segment] Tagliacozzo S, et al. Policlinico [Chir] 77:167-86, May-Jun 70 (Ita)
[Treatment of acute arterial occlusion using Fogarty's technic] Morello S, et al. Rev Paul Med 77:63-72, Mar 71 (Por)
[Removal of thrombi from the left atrium and mitral commissurotomy under visual control during moderate hypothermia] Meshalkin EN, et al. Grudn Khir 12:11-5, Nov-Dec 70 (Rus)
[Femoraxillary derivations in patients of surgical high risk] Siano Quiros R, et al. Prensa Med Argent 56:1809-10 contd, 21 Nov 69 (Spa)

THERAPY

Thrombolysis. Sharp AA. Adv Cardiol 4:225-32, 1970 (19 ref.)
Management of thrombosis. Lancet 2:361-2, 14 Aug 71
[Current treatment of acute arterial insufficiency of the lower extremities with special reference to Fogarty's catheter] Colas JL. Laval Med 41:1046-55, Oct 70 (Fre)
[Treatment of acute ischemia using a Fogarty catheter] Berg L van de, et al. Rev Med Liege 24:642-5, 1 Sep 69 (Fre)
[Treatment of thrombosis and the post-thrombotic syndrome] Lindemayr W, et al. Wien Med Wochenschr 121:153-7, 27 Feb 71 (Ger)
[Management and practical aspects of angiologic dispensary care] Wolff L. Z Aerztl Fortbild (Jena) 65:254-6, 1 Mar 71 (Ger)
[New therapy in the area of varicosities, thrombosis, lymphatic obstruction and other inflammatory processes. The effect of ionoduct using Dr. Rienmuller's system] Ringel W. Z Allgemeinmed 47:484-5, 31 Mar 71 (Ger)
[Choice of treatment method for acute thromboses of the arteries of the extremities] Kniazev MD, et al. Vestn Khir 106:43-50, Jan 71 (Rus)

VETERINARY

[Pathology of thrombotic cardiac-valve inflammation (thromboendocarditis verrucosa s. ulcerosa) in the domestic chicken] Löliger HC, et al. Zentralbl Veterinaermed [B] 17:747-56, Aug 70 (Ger)

THROMBOSIS, CORONARY see under CORONARY DISEASE (C8)

THROMBOSIS, VENOUS see under THROMBOPHLEBITIS (C8)

THRUSH see MONILIASIS, ORAL (C1, C4)

THULIUM (D1)

DIAGNOSTIC USE

167 Tm: a new bone scanning agent. Chandra R, et al. Radiology 100:687-9, Sep 71

THUMB (A1, A2)

Misleading features in the clinical diagnosis of the peripheral glomus tumour. Cooke SA. Br J Surg 58:802-6, Aug 71
Tenosynovial chondromatosis--an unusual case. Roberts PH. Br J Surg 58:153, Feb 71
Ewing's sarcoma of the hand. Dick HM, et al. J Bone Joint Surg [Am] 53:345-8, Mar 71
[Clinical and radiological importance of the Parker-Hare sign in Marfan's syndrome] Pasztor P, et al. Ann Pediatr (Paris) 18:162-5, 2 Feb 71 (Fre)
[Malignant melanoma appearing as the immediate sequel to a burn] Delacrétaz J, et al. Bull Soc Fr Dermatol Syphiligr 77:334-5, 1970 (Fre)
[Pinkus' fibro-epithelial tumor of the thumb] Hoffmann-Martinot R, et al. Bull Soc Fr Dermatol Syphiligr 76:259-60, 1969 (Fre)
[Multiple distal arteritis with necrosis of the thumbs of rickettsial origin] Dugois P, et al. Lyon Med 222:709-10, 26 Oct 69 (Fre)
[An isolated sclerosing localization of the 1st phalanx of the thumb (report of a clinical case)] Grisostomi E. Chir Organi Mov 58:546-50, 1970 (Ita)
[Rhizarthrosis of the thumb. Clinical and radiological considerations] Barboso B, et al. Reumatismo 20:195-208, May-Jun 68 (Ita)
[Contracture of the adduction muscles of the thumb in cerebral palsy] Tomi M, et al. Orthop Surg (Tokyo) 21:950-2, Oct 70 (Jap)

ABNORMALITIES

Pfeiffer syndrome. An unusual type of acrocephalosyndactyly with broad thumbs and great toes. Martsolf JT, et al. Am J Dis Child 121:257-62, Mar 71
Bilateral aplasia of the tibia, polydactyly and absent thumb in father and daughter. Pashayan H, et al. J Bone Joint Surg [Br] 53:495-9, Aug 71
Congenital split foot (lobster claw) and triphalangeal thumb. Phillips RS. J Bone Joint Surg [Br] 53:247-57, May 71
Choanal atresia and bifid thumb associated with an abnormal D group chromosome. Carter CH, et al. J Ment Defic Res 14:221-6, Sep 70
The thumb in trisomy-18. Johnson CF. JAMA 215:489, 18 Jan 71
Pfeiffer syndrome: an unusual type of acrocephalosyndactyl with broad thumbs and great toes. Cracco J, et al. Neurology (Minneap) 20:414, Apr 70
Anomalies associated with congenital deformities of the thumb. Rybka FJ, et al. Plast Reconstr Surg 46:572-6, Dec 70
[Congenital hydrocephalus and bilateral abnormality of the thumbs: malformative syndrome linked to the X chromosome] Gilly R, et al. Pediatrie 26:365-78, Jun 71 (Fre)
[Pollicization of the index in case of aplasia and hypoplasia of the thumb. Methods and results] Buck-Gramcko D. Rev Chir Orthop 57:35-48, Jan-Feb 71 (Fre)
[The broad thumb and toe syndrome (Rubinstein-Taybi syndrome): apropos of a case] Soto Viera ME, et al. Bol Asoc Med PR 63:59-64, Mar 71 (Spa)

ANATOMY & HISTOLOGY

[Differentiation of M. abductor pollicis biventer in man] Kaneff A. Gegenbaurs Morphol Jahrb 112:289-303, 1968 (Ger)

INJURIES

Traumatic digital amputations of the thumb. Inglis AE. Bull Hosp Joint Dis 32:4-9, Apr 71
Skin avulsion of the thumb. (Case P69). Can Med Assoc J 105:307, 7 Aug 71
Primary tendon grafting in injuries of the thumb flexor. Ford JC, et al. South Med J 64:78-80, Jan 71
[2 cases utilizing abdominal grafts in traumatic thumb injuries] Jolicoeur A, et al. Laval Med 40:566-70, Jun 69 (Fre)
[Restorative operations in loss of opposition of the thumb] Raje R. Beitr Orthop Traumatol 17:581-6, 1970 (Ger)
[Subcutaneous laceration of the long abductor tendon of the thumb] Guidi P. Minerva Ortop 21:480-4, Aug-Sep 70 (Ita)
[Therapy of injuries of the carpo-metacarpal joint of the thumb] Ito T, et al. Orthop Surg (Tokyo) 21:905-7, Oct 70 (Jap)
[Functional reconstruction in thumb injury] Miura T, et al. Orthop Surg (Tokyo) 21:941-2, Oct 70 (Jap)
[Case of movement disorder of interphalangeal joint of the thumb] Sugiura Y, et al. Orthop Surg (Tokyo) 21:939-40, Oct 70 (Jap)
[Crush injuries of the thumb] Yamamoto T, et al. Orthop Surg (Tokyo) 21:913-5, Oct 70 (Jap)
[Surgery of ruptured extensor tendon of the thumb] Yamane H, et al. Orthop Surg (Tokyo) 21:937-9, Oct 70 (Jap)

SURGERY

Surgical treatment of flexion-adduction contracture of the thumb in cerebral palsy. Matev IB. Acta Orthop Scand 41:439-45, 1970
Keratoacanthoma vs. squamous-cell carcinoma. A critical differentiation. Emerson CW, et al. J Bone Joint Surg [Am] 53:143-6, Jan 71
Use of the extensor pollicis brevis to restore abduction in the unstable thumb. Enna CD. Plast Reconstr Surg 46:350-4, Oct 70
Use of the deep bundle of the flexor pollicis brevis to restore opposition in the thumb. Orticochea M. Plast Reconstr Surg 47:220-4, Mar 71
Functional assessment of basal joint fusion of the thumb. Eiken O, et al. Scand J Plast Reconstr Surg 4:122-5, 1970
[Pollicization] Roullet J, et al. Lyon Chir 67:114-21, Mar-Apr 71 (Fre)
[Thumb saddle joint arthrosis of rhizarthrosis and results of its surgical treatment] Pfiffner A. Arch Orthop Unfallchir 70:344-59, 1971 (Ger)
[Treatment of the spontaneous rupture of the long thumb extensor] Seiffert KE. Chirurg 41:476-7, Oct 70 (Ger)
[Reconstructive surgery in impaired opposition of the thumb] Raše RE. Vestn Khir 105:102-7, Dec 70 (Rus)
[Primary reconstruction of the thumb] Cedercreutz C. Nord Med 84:1371, 22 Oct 70 (Swe)

THUMBSUCKING see under FINGERSUCKING (F1, F2)

THYME (B6)

ANALYSIS

[Pharmacognostic study of the medicinal flora in Southeast Bosnia. Thymus serpyllum L. IV] Mihajlov M, et al. Glas Srp Akad Nauka [Med] 22:43-58, 1969 (Ser)

THYMECTOMY (E4)

Studies in myasthenia gravis: effects of thymectomy. Results on 185 patients with nonthymomatous and thymomatous myasthenia gravis, 1941-1969. Papatestas AE, et al. Am J Med 50:465-74, Apr 71
Corticotropin therapy and thymectomy in management

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of myasthenia gravis. Shapiro MS, et al. Arch Neurol 24:65-71, Jan 71
A histologic reappraisal of the thymus in myasthenia gravis. A correlative study of thymic pathology and response to thymectomy. Alpert LI, et al. Arch Pathol 91:55-61, Jan 71
Neuromuscular effects of halothane, suxamethonium and tubocurarine in a myasthenic undergoing thymectomy. Baraka A, et al. Br J Anaesth 43:91-5, Jan 71
Successful immunosuppressive treatment of erythroid aplasia appearing after thymectomy. Safdar SH, et al. Br J Haematol 19:435-43, Oct 70
Total thymectomy by the transcervical approach. Kark AE, et al. Br J Surg 58:321-6, May 71
Potentiation of viral carcinogenesis by immunosuppression. Allison AC. Br Med J 4:419-20, 14 Nov 70
Mechanisms for eosinophilic and neutrophilic leucocytoses. Walls RS, et al. Br Med J 3:157-9, 17 Jul 71
The effect of thymectomy, hemi-thymectomy and sham thymectomy on experimental myasthenia gravis in guinea-pigs. Kalden JR, et al. Clin Exp Immunol 6:519-30, Apr 70
The response of normal, thymectomized and reconstituted mice in contact sensitivity. Parrott DM, et al. Clin Exp Immunol 7:387-93, Sep 70
Thymectomy and renal homotransplantation. Starzl TE, et al. Clin Exp Immunol 6:803-14, Jun 70
Modification of responsiveness to allografts in larvae of the leopard frog by thymectomy. Curtis SK, et al. Dev Biol 25:177-97, Jun 71
Effects of thymectomy on macromolecular synthesis by rat mesenteric lymphocytes in vitro. Asanuma Y, et al. Endocrinology 89:413-25, Aug 71
Effect of thymectomy on the differentiation and phagocytic activity of the liver sinusoidal cells. Corsi A, et al. Experientia 26:1354-5, 15 Dec 70
The influence of thymectomy and sham operation on prostate gland responses of hooded rats to gonadotropins. Rosoff B, et al. Gen Comp Endocrinol 16:484-92, Jun 71
The morphology of immune reactions in normal, thymectomized and reconstituted mice. 3. Response to bacterial antigens: salmonellar flagellar antigen and pneumococcal plysaccharide. Davies AJ, et al. Immunology 19:945-57, Dec 70
Studies on the lymphocytes in the intestinal epithelium of the chicken. 3. Effect of thymectomy. Bäck O. Int Arch Allergy Appl Immunol 39:192-200, 1970
Thymectomy and its effect on chemically induced submandibular neoplasms. Sheehan R, et al. J Dent Res 50:981, Jul-Aug 71
Regulation of homocytotropic antibody formation in the rat. 3. Effect of thymectomy and splenectomy. Okumura K, et al. J Immunol 106:1019-25, Apr 71
Surgery of the thymus. Bernatz PE. J Miss State Med Assoc 11:629-33, Dec 70
A quick method for testing antituberculosis drugs. Bhide MB. J Pharm Pharmacol 23:147-8, Feb 71
Immunosurveillance and cancer. Papatestas AE, et al. Lancet 2:1092, 21 Nov 70
Effect of thymectomy on pregnancy dependence of mouse mammary tumours (R3-Dm-Se and BALB-cf(R3)-Se). Squartini F, et al. Lav Ist Anat Istol Patol Perugia 30:5-14, 1970
Neonatal thymectomy and non-viral mammary tumours in mice. Burstein NA, et al. Nature (Lond) 231:450-2, 18 Jun 71
Early affect of adult thymectomy. Bach JF, et al. Nature [New Biol] 231:110-1, 26 May 71
A contribution to the surgical treatment of myasthenia. Rzepecki W, et al. Pol Med J 9:1225-8, 1970
Restoration of antibody response to sheep erythrocytes in thymectomized mice following grafting of rabbit appendix. Sussdorf DH. Proc Soc Exp Biol Med 137:82-6, May 71
Thymectomy in myasthenia gravis. Kukral AJ, et al. Rocky Mt Med J 68:37-41, Jun 71
Corticotropin therapy and thymectomy in management of severe, generalized myasthenia gravis. Namba T, et al. Trans Am Neurol Assoc 95:295-7, 1970
Thymectomy in the adult mouse. Haimov M, et al. Transplantation 11:100-2, Jan 71
The influence of adult thymectomy on immunological competence as measured by the mixed lymphocyte reaction. Robson LC, et al. Transplantation 11:465-70, May 71
[Significance of thymectomy in the therapy of myasthenia gravis] Smat V, et al. Cesk Neurol 33:246-51, Sep 70 (Cze)
[Thymectomy] Dor J. Ann Chir 25:528-30, May 71 (Fre)
[Thymectomy and myasthenia. Indications of thymectomy in myasthenia] Gosset A. Ann Chir 25:525-6, May 71 (Fre)
[Results of thymectomy in myasthenia (statistics of Hôpital Salvator)] Malmejac C. Ann Chir 25:535-7, May 71 (Fre)
[Results of thymectomy in myasthenia. (Total results from the literature)] Noircierc M. Ann Chir 25:532-3, May 71 (Fre)
[Resuscitation of the myasthenic patient after thymectomy] Ohresser P. Ann Chir 25:531-2, May 71 (Fre)
[Anesthesia in thymectomy for myasthenia] Pons MR. Ann Chir 25:527-8, May 71 (Fre)
[Effect of thymectomy on anamnestic reaction of isogenic radiation chimeras] Jonard J, et al. Ann Inst Pasteur (Paris) 120:767-78, Jun 71 (Fre)
[Effect of the removal of the thymus and of the spleen on the leukocyte response to cortisone in the rat. Origin of the blood lymphocytes sensitive to the action of that hormone] Aschkenasy A. C R Soc Biol (Paris) 164:951-6, 1970 (Fre)
[Peculiarities of the appearance of antibodies and the production of alpha-macroglobulins in mice thymectomised at birth] Morelis P, et al. C R Soc Biol (Paris) 164:847-52, 1970 (Fre)
[Effects of ablation of the thymus, spleen or both organs simultaneously on neutrophils and lymphocytes, as well as serum proteins in a balanced diet or during refeeding following nitrogen starvation] Aschkenasy A. J Physiol (Paris) 1:Suppl 1:79, 1969 (Fre)
[Immunologic relations of bone changes in infantile atrophy] Berek L, et al. Acta Paediatr Acad Sci Hung 11:51-7, 1970 (Ger)
[Thymectomy in the therapy of myasthenia gravis pseudoparalytica--anesthesia, preoperative and postoperative care] Eckart J. Dtsch Med J 22:399-400, Jun 71 (Ger)
[Lymph follicles in the thymus in cases of ulcerative colitis] Cesnik H, et al. Langenbecks Arch Chir 328:128-38, 1971 (Ger)
[Apolar acting collagen peptidases of different rabbit organs and their modification by thymectomy and experimental arthritis] Lindner J, et al. Z Rheumaforsch 30:86-91, Mar-Apr 71 (Ger)
[Current trends in medical and surgical treatment of myasthenia gravis with persistence of the thymus and long-term results of some operated cases] Sunseri S, et al. Arch Chir Torac Cardiovasc 26:19-34, Jan-Apr 70 (Ita)
[Weight increase in rats thymectomized at an adult age] Dolhar R, et al. Boll Soc Ital Biol Sper 45:365-7, 31 Mar 69 (Ita)
[On hepatic regeneration in rats thymectomized at an adult age. I. Technical methods of anesthesia and control of respiration during thymectomy] Forabosco A, et al. Boll Soc Ital Biol Sper 45:354-6, 31 Mar 69 (Ita)
[On hepatic regeneration in rats thymectomized at an adult age. IV. Reconstitution of the hepatic mass after 30 hours of the regenerative process] Forabosco A, et al. Boll Soc Ital Biol Sper 45:361-3, 31 Mar 69 (Ita)
[On hepatic regeneration in rats thymectomized at an adult age. V. Histochemical activities of some dehydrogenases after 30 hours of regeneration] Forabosco A, et al. Boll Soc Ital Biol Sper 45:363-5, 31 Mar 69 (Ita)
[On hepatic regeneration in rats thymectomized at an adult age. II. Mitotic activity after 30 hours of regeneration] Forabosco A, et al. Boll Soc Ital Biol Sper 45:356-9, 31 Mar 69 (Ita)
[On hepatic regeneration in rats thymectomized at an adult age. 3. Activity of DNA synthesis after 30 hours of regeneration] Forbosco A, et al. Boll Soc Ital Biol Sper 45:359-61, 31 Mar 69 (Ita)
[Effect of neonatal thymectomy on rat gracilis muscle regeneration] Barisoni D, et al. Sperimentale 119:269-79, May-Jun 69 (Ita)
[Surgical treatment of myasthenia] Rzepecki W, et al. Pol Tyg Lek 25:1196-9, 10 Aug 70 (Pol)
[Effect of early thymectomy on the development of an isologous transplanted mammary gland tumor in C3H mice] Gruntenko EV, et al. Dokl Akad Nauk SSSR 186:1217-20, 11 Jun 69 (Rus)
[A tonokymographic study of the pharynx and esophagus of myasthenia patients before and after thymectomy] Kuzin MI, et al. Zh Nevropatol Psikhiatr 70:965-72, 1970 (Rus)
[The thymus and myasthenia. II] Serrano Muñoz F, et al. Rev Clin Esp 120:199-208, 15 Feb 71 (Spa)

ADVERSE EFFECTS

Ovarian dysgenesis induced by neonatal thymectomy in the mouse. Nishizuka Y, et al. Endocrinology 89:886-93, Sep 71
Plasmodium berghei infection in neonatallythymectomized hamsters. Chapman WL Jr, et al. J Parasitol 57:24-8, Feb 71

THYMIDINE (D10)

Autoradiographic studies on the incorporation rate of 3H thymidine during the S-phase of the mitotic cycle. Lederer B, et al. Beitr Pathol 141:75-80, 1970
The permanganate oxidation of thymidine and thymidylic acid. Iida S, et al. Biochim Biophys Acta 228:1-8, 1 Jan 71
Cell population kinetics of bone growth: the first ten years of autoradiographic studies with tritiated thymidine. Kember NF. Clin Orthop 76:213-30, May 71 (71 ref.)
Tritium activity in spermatozoa and epididymal epithelium after application of thymidine-methyl-H3 and passage blocking by ligature. Fulka J, et al. Fertil Steril 22:119-24, Feb 71
Hydrogenolysis and stereochemistry of photodimers of thymine and thymidine. Kunieda T, et al. J Am Chem Soc 93:3493-9, 14 Jul 71
The iodination of thymidine. A synthesis of O 6 ,5'-cyclothymidine. Lipkin D, et al. J Am Chem Soc 93:3309-10, 30 Jun 71
Synthetic analogues of polynucleotides. V. Analogues of trinucleoside diphosphates containing carboxymethyithymidine. Edge MD, et al. J Chem Soc [Org] 10:1933-9, 1971
DNA replication in synchronized cultured mammalian cells. II. Replication of ribosomal cistrons in thymidine-synchronized HeLa cells. Balazs L, et al. J Mol Biol 57:153-8, 14 Apr 71
Stereochemistry of pyrimidine nucleosides: conformational analysis of cytidine, thymidine, 4-thiouridine and deoxycytidine by the neglect of differential overlap molecular orbital method. Kang S. J Mol Biol 58:297-315, 28 May 71
Is double-labeling with two levels of 3H-thymidine a reliable method for evaluating mitotic parameters? Galand P, et al. J Nucl Biol Med 13:87-93, Jul-Sep 69
Nucleotide synthesis. I. Derivatives of thymidine containing p-nitrophenyl phosphate groups. Gliński RP, et al. J Org Chem 36:245-9, 29 Jan 71
Labelling microspores with tritiated thymidine by bud injection in Tradescantia. Savage JR, et al. Stain Technol 46:27-9, Jan 71
[Synthesis and properties of diastereoisomers of thymidine cis hydrate] Cadet J, et al. C R Acad Sci [D] (Paris) 272:2254-7, 26 Apr 71 (Fre)

ADMINISTRATION & DOSAGE

[Synergistic effect of the combination of thymidine and cyclophosphamide on Ehrlich ascites tumor] Osswald H. Z Krebsforsch 74:376-82, 1970 (Ger)

ANTAGONISTS & INHIBITORS

Inhibition of thymidine phosphorylation and DNA and histone synthesis in Ehrlich ascites carcinoma. Chae CB, et al. Cancer Res 30:2652-60, Nov 70

BIOSYNTHESIS

Some aspects of the role of vitamin B 12 and folic acid in DNA-thymidine sy nthesis in a neoplastic C3H mouse cell strain. Rotherham J, et al. J Natl Cancer Inst 47:277-87, Aug 71

METABOLISM

Partial characterization of sulphation and thymidine factors in acromegalic plasma. Van den Brande JL, et al. Acta Endocrinol (Kbh) 66:65-81, Jan 71
Utilization of thymine, thymidine and TMP by neisseria meningitidis. 1. Growth response and uptake of labelled material. Jyssum S, et al. Acta Pathol Microbiol Scand [B] 78:683-91, 1970
Uptake of 14 C-thymidine by lymphocyte cultures exposed to human synovial fluid. Davey MJ. Ann Rheum Dis 30:200-1, Mar 71
Recovery of tritiated thymidine after intradermal injection. Arndt KA, et al. Arch Dermatol 103:304-5, Mar 71
Tritiated thymidine labelling of the palatal processes of rat embryos with cleft palate induced by hypervitaminosis A. Nanda R. Arch Oral Biol 16:435-44, Apr 71
Phospholipid synthesis and degradation during the life-cycle of P815Y mast cells synchronized with excess of thymidine. Bergeron JJ, et al. Biochem J 119:489-92, Sep 70
The distribution of (14C)thymidine in mouse ovaries cultured in vitro with and without gonadotrophic hormones. How MJ, et al. Biochim Biophys Acta 213:226-8, 16 Jul 70
Thymidine phosphorylation and thymidylate kinase in developing breast muscle of normal and dystrophic chickens. Weinstock IM, et al. Biochim Biophys Acta 232:5-13, 25 Feb 71
Reutilization of thymidine in various groups of rat bone marrow cells. Heiniger HJ, et al. Blood 37:340-8, Mar 71
A preliminary report on the thymidine labeling indices and kinetics of cell proliferation in selected Morris hepatomas. Looney WB, et al. Br J Cancer 24:826-32, Dec 70
Effect of hypophysectomy on amino acid, thymidine, and orotic acid incorporation into the mucosa of the small bowel. Levitan R, et al. Can J Biochem 48:828-30, Jul 70
Behavior of opposing pathways of thymidine utilization in differentiating, regenerating, and neoplastic liver. Ferdinandus JA, et al. Cancer Res 31:550-6, May 71
Differentiation of malignant to benign cells. Pierce GB, et al. Cancer Res 31:127-34, Feb 71
The relation of thymidine labeling index in human tumors in vitro to the effectiveness of 5-fluorouracil chemotherapy. Wolberg WH, et al. Cancer Res 31:448-50, Apr 71
Thymidine kinetics in human lymphocyte

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

transformation: determination of optimal labelling conditions. Sample WF, et al.
Clin Exp Immunol 9:419-27, Sep 71
Changes in the distribution of thymidine-3H labeled cells in the growing liver acinus of neonatal rats. LeBouton AV, et al. Dev Biol 23:524-33, Dec 70
Variations in rates of thymidine incorporation into DNA and conversion to thymine in mammalian cells grown in culture. Dewey WC, et al.
Exp Cell Res 50:349-54, May 68
Metabolic patterns in Ilyanassa polar lobes. Geuskens M, et al. Exp Cell Res 67:61-72, Jul 71
Measurement of S period in growing cell populations by a graphic analysis of double labeling with 3H- and 14C-thymidine. Lala PK.
Exp Cell Res 50:459-63, May 68
Factors influencing exogenous nucleoside utilization in DNA synthesis by irradiated human cells. Little JB.
Exp Cell Res 62:368-74, Oct 70
Extranuclear 3H-thymidine incorporation in subcortical cytoplasmic organelles of primary oocytes in the Japanese quail (Coturnix coturnix japonica). Callebaut M. Experientia 26:1134-5, 15 Oct 70
Autoradiographic evidence for a thymidine precursor pool in the root of Allium cepa. Pachter BR. Experientia 27:236-7, 15 Feb 71
H3-thymidine incorporation by delayed blastocysts from rats treated with subimplantation doses of estrogen. Wu JT, et al. Fertil Steril 22:86-91, Feb 71
Competitive inhibition of 3 H-thymidine incorporation into DNA. Benes L. Folia Biol (Praha) 17:182-8, 1971
Cytoplasmic xtracts from chicn embryos: incorporation of hymidine and ribonucleosid triphosphats. Preuss HJ, et al.
Hoppe Seylers Z Physiol Chem 351:1460-4, Dec 70
Incorporation of [3H] thymidine into the spleens of intact mice during the immune response to sheep erythrocytes (SRC). Harris G, et al.
Immunology 19:865-78, Dec 70
Difficulties in measuring the tritium-activity of tissue homogenates by the new scintiliator Insta-Gel. Bohne F. Int J Appl Radiat Isot 22:384, Jun 71
Temperature dependence of thymidine uptake and ability of thymidine incorporated during unscheduled DNA synthesis in irradiated and unirradiated HeLa cells. Evans RG, et al. Int J Radiat Biol 18:277-80, 1970
Toxicity of tritiated thymidine in P388F lymphoma cells. I. Incorporation into DNA and cell survival. Peterson AR, et al. Int J Radiat Biol 19:123-32, 1971
Toxicity of tritiated thymidine in P388F lymphoma cells. II. Effects of DNA molecular weight. Peterson AR, et al. Int J Radiat Biol 19:237-46, 1971
Regulation of thymidine metabolism in Escherichia coli K-12: evidence that at least two operons control the degradation of thymidine. Bonney RJ, et al.
J Bacteriol 105:90-6, Mar 71
Regulation of thymidine metabolism in Escherichia coli K-12: optimal conditions for the assay of 1,5-phosphodeoxyribomutase in ultrasonic extracts. Bonney RJ, et al. J Bacteriol 103:650-5, Sep 70
Regulation of thymidine metabolism in Escherichia coli K-12: studies on the inducer and the coordinateness of induction of the enzymes. Bonney RJ, et al.
J Bacteriol 106:812-8, Jun 71
Effects of ribonucleosides on thymidine incorporation: selective reversal of the inhibition of deoxyribonucleic acid synthesis in thymineless auxotrophs of Escherichia coli. Boyle JV, et al.
J Bacteriol 104:264-71, Oct 70
Transforming ability of bacterial deoxyribonucleic acid in relation to the marker efficiencies in Diplococcus pneumoniae during thymidine starvation. Brunel F, et al. J Bacteriol 106:904-7, Jun 71
The cytoplasmic incorporation of tritiated thymidine during oogenesis in Pteridium aquilinum. Sigee DC, et al. J Cell Sci 8:467-87, Mar 71
The thymidine triphosphate pool in wild-type and thymine requiring strains of Escherichia coli K 12 and 15. Beacham IR. J Gen Microbiol 63:vii, Nov 70
Thymidine metabolism in Mycoplasma hominis. Stock DA, et al. J Gen Microbiol 65:105-7, Jan 71
Incorporation of thymidine-methyl-H3 and glycine-2-H3 in the nail matrix and bed of humans. Norton LA. J Invest Dermatol 56:61-8, Jan 71
Tritiated thymidine incorporation into hair follicle matrix and epidermal basal cells after stimulation. Potten CS. J Invest Dermatol 56:311-7, Apr 71
Ultraviolet-stimulated thymidine incorporation in xeroderma pigmentosum lymphocytes. Burk PG, et al. J Lab Clin Med 77:750-67, May 71
Persistence of small fragments of newly synthesized DNA in bacteria following thymidine starvation. Freifelder D, et al. J Mol Biol 57:351-4, 28 Apr 71
Radiation stimulated incorporation of 3H-thymidine into diplotene oocytes of the guinea-pig. Crone M.
Nature (Lond) 228:480, 31 Oct 70
Viral DNA-dependent DNA polymerase and the properties of thymidine labelled material in virions of an oncogenic RNA virus. Rfman J, et al.
Nature (Lond) 228:427-30, 31 Oct 70
Mechanism of DNA replication. Werner R.
Nature (Lond) 230:570-2, 30 Apr 71
Thymidine incorporation into HeLa cells increased by tumor-producing croton oil factor TPA. Freienstein C, et al. Naturwissenschaften 57:675-6, Dec 70
Renotropic factor(s) in plasma from uninephrectomized rats. Preuss HG, et al.
Nephron 7:459-70, 1970
A radiation effect from low doses of tritiated thymidine or x-rays. Payne JT, et al. Radiat Res 47:123-42, Jul 71
The effects of microwave exposure on thymidine-3H uptake in albino rats. Sharp JC, et al.
Radiat Res 45:434-9, Feb 71
Autoradiographic differentiation of free, bou, pure, and impure thymidine-3H. Diab IM, et al.
Stain Technol 45:285-91, Nov 70
Interferon-sensitivity of the enhanced incorporation of thymidine into cellular DNA induced by polyoma virus. Dulbecco R, et al. Virology 42:368-74, Oct 70
[Autoradiographic study of post-traumatic epidermal regeneration by uptake of tritiated thymidine in vivo and in vitro] Beuve-Méry M, et al.
Ann Dermatol Syphiligr (Paris) 97:517-21, 1970 (Fre)
[Uptake of tritiated thymidine in common warts, Shope papilloma and epidermodysplasia verruciformis] Delescluse C, et al.
Ann Dermatol Syphiligr (Paris) 97:525-33, 1970 (Fre)
[Validity of the in vitro method as a technic of instantaneous labeling of skin by tritiated thymidine] Lachapelle JM.
Ann Dermatol Syphiligr (Paris) 97:523-4, 1970 (Fre)
[Inhibition and stimulation by azathioprine of the incorporation of thymidine by lymphocytes in mixed culture] Laborde A, et al.
C R Acad Sci [D] (Paris) 272:509-12, 18 Jan 71 (Fre)
[Incorporation of precursors of nucleic acids in the axoloti limb in the process of regeneration] Lazard L.
C R Acad Sci [D] (Paris) 271:2031-4, 30 Nov 70 (Fre)
[Incorporation of 3H-thymidine, 3H-uridine and 3H-leucine in the blue alga Spirulina platensis (Gom.) geitler] Marty F, et al.
C R Acad Sci [D] (Paris) 272:3021-4, 14 Apr 71 (Fre)
[Radioautographic study of 3H-thymidine incorporation in the mature ovarian follicle and corpus luteum of the ovo-viviparous amphibian, Salamandra salamandra (L.)] Joly J.
C R Soc Biol (Paris) 164:2102-5, 1970 (Fre)
[Radioautographic study of the incorporation in vitro of tritiated thymidine into normal human skin and in certain epidermal proliferations] Lachapelle JM.
Pathol Eur Suppl 1:1-197, 1970 (Fre)
[Autoradiographic investigations concerning the influence of gestagens on 3H-thymidine and 3H-uridine absorption in the rat uterus] Trams G, et al. Acta Endocrinol [Suppl] (Kbh) 152:75, 1971 (Ger)
[Incorporation of H3-thymidine into cells and tissues of Helix pomatia L (Gastropoda, Pulmonata)] Kuhlmann D. Experientia 27:690-1, Jun 71 (Ger)
[Cell kinetics in lymph nodes. I. Determination of deoxyribonucleic acid synthesis time in patients with chronic lymphatic leukemia by means of double labeling with 3H-thymidine and 14C-thymidine in vivo] Tsirimbas AD, et al.
Klin Wochenschr 48:923-9, 1 Aug 70 (Ger)
[Effect of glucose on the incorporation of 14C-thymidine, -uridine and -leucine into ascites cells] Rosenkranz D, et al.
Naturwissenschaften 57:497-8, Oct 70 (Ger)
[In vitro effect of various cytostatics on the H3-thymidine incorporation in the explantates of heterotransplanted human tumor (GW-39)] Wüst GP, et al. Verh Dtsch Ges Inn Med 75:534-8, 1969 (Ger)
[Autoradiographic studies on the synthesis of DNA in the cerebellum and medulla oblongata of teleosts of various ages] Kranz D, et al.
Z Mikrosk Anat Forsch 82:264-92, 1970 (Ger)
[Technic of incubation with tritiated thymidine in the study of DNA synthesis applied to bioptic specimens of human testicle] Fabbrini A, et al.
Folia Endocrinol (Roma) 23:544-50, Oct 70 (Ita)
[Uptake of tritium labelled 3H-thymidine by the tonsil of neonatally thymectomized rabbits] Suzuki M.
J Otolaryngol Jap 73:1808-20, Nov 70 (Jap)
[Indication for antineoplastic agents (using 3H-thymidine)] Fujimoto S, et al.
Saishin Igaku 26:997-9, May 71 (Jap)
[Nucleic acid synthesis in HeLa cells infected with type 10 adenovirus. I. Incorporation of thymidine 3-H] Semkow R, et al.
Med Dosw Mikrobiol 22:363-8, 1970 (Pol)
[Effect of thiophosphamide on the incorporation of H3-thymidine into DNA of cells of the surviving slices of sarcoma 298] Merkulov MF, et al.
Farmakol Toksikol 33:598-602, Sep-Oct 70 (Rus)
[Incorporation of H3-thymidine into the DNA of cells of surviving slices of transplantable tumors, sensitive and resistant to sarcolysine] Merkulov MF, et al.
Farmakol Toksikol 33:715-23, 1970 (Rus)
[Diagnosis of malignant neoplasms by the number of blood cells capable of incorporating tritium-labelled thymidine] Kalantarov KD, et al.
Med Radiol (Mosk) 15:3-7, Dec 70 (Rus)
[Phosphorylation enzyme and thymidylic acid content of bone marrow in irradiated rabbits] Elkina NI, et al.
Radiobiologiia 11:22-7, Jan-Feb 71 (Rus)
[Autoradiographic study of the intracellular pool of H3-thymidine derivatives under normal conditions and under the effect of 5-fluor-2'-deoxyuridine] Lomakina LIa. Tsitologiia 12:718-24, 1970 (Rus)
[Incorporation of tritiated thymidine into human brain tumor cells] Arkhangel'skiĭ VV, et al.
Vopr Neirokhir 35:15-21, Jan-Feb 71 (Rus)
[The effect of polyoma virus on cell proliferation in vitro] Makarova GF, et al.
Vopr Virusol 16:16-[illegible], Jan-Feb 71 (Rus)
[Molecular cytology of the chronology and pattern of tritiated thymidine, uridine and leucine incorporation into normal human lymphocytes transformed in vitro] Forteza Bover G, et al.
Sangre (Barc) 16:185-232, 1971 (Spa)

PHARMACODYNAMICS

Virus multiplication in culture cells synchronized by excess thymidine treatment. II. Effect of viral DNA synthesis of Shope fibroma virus and cowpox virus upon nuclear DNA synthesis of synchronized FL cells. Mantani M, et al. Biken J 13:365-76, Dec 70
Virus multiplication in culture cells synchronized by excess thymidine treatment. I. Effect of excess thymidine upon growth of poxviruses and chikungunya virus. Mantani M, et al.
Biken J 13:353-64, Dec 70
The effect of tritiated thymidine on the oocytes of foetal rats following maternal infusion in pregnancy. Haas RJ, et al. Int J Radiat Biol 19:197-200, 1971
Early and late effects of tritiated thymidine upon the replication of splenic lymphocytes. Post J, et al.
Radiat Res 45:335-48, Feb 71
[Inhibiting action of tritiated thymidine on the differentiation of rat myoblasts in culture] Levis AG, et al. Riv Biol 63:369-93 passim, Jul-Dec 70 (Mul)

RADIATION EFFECTS

Photochemistry of thymidine in ice. Varghese AJ.
Biochemistry 9:4781-7, 24 Nov 70
Immunological detection of thymidine photoproduct formation in vivo. Natali PG, et al.
Radiat Res 46:506-18, Jun 71

URINE

[Specificity of nucleosiduria in the irradiated organism] Fedorova TA, et al.
Biull Eksp Biol Med 70:42-4, Oct 70 (Rus)

THYMIDINE KINASE (D9)

Enzymatic studies relating to the mode of action of 5-mercapto-2'-deoxyuridine. Kalman TI, et al.
Mol Pharmacol 6:621-30, Nov 70
Human thymidine kinase gene locus: assignment to chromosome 17 in a hybrid of man and mouse cells. Miller OJ, et al. Science 173:244-5, 16 Jul 71

ANALYSIS

Changes in enzyme levels accompanying differentiation of intestinal epithelial cells. Imondi AR, et al. Exp Cell Res 58:323-30, Dec 69

ISOLATION & PURIFICATION

Purification of the factor involved in thymidine phosphorylation in adult rat liver. Toide H, et al.
Biochim Biophys Acta 217:221-4, 15 Oct 70
Purification of deoxythymidine kinase by preparative disc gel electrophoresis and the effects of various halogenated nucleoside triphosphates on its enzymatic activity. Voytek P, et al.
J Biol Chem 246:1432-8, 10 Mar 71
Purification of thymidine kinase activity from Yaba virus induced tumors. Gordon HL.
J Med (Basel) 1:110-6, 1970

METABOLISM

Altered thymidine kinase activity in culture cells inoculated with African swine fever virus. Polatnick J, et al. Am J Vet Res 31:1609-13, Sep 70
The metabolism of deoxyribonucleosides in Lactobacillus acidophilus: regulation of deoxyadenosine, deoxycytidine, deoxyguanosine and deoxythymidine kinase activ-ties by nucleotides. Durham JP, et al.
Biochim Biophys Acta 228:9-25, 1 Jan 71
Increase of thymidine, thymidylate and deoxycytidine kinase activites during germination of bacterial spores. Tanooka H, et al.
Biochim Biophys Acta 228:26-37, 1 Jan 71
Studies on deoxythymidine kinase of regenerating rat liver and Escherichia coli. Bresnick E, et al.
Cancer Res 30:2502-6, Oct 70
Effect of methotrexate on DNA synthesis and thymidine kinase activity of human lymphocytes stimulated with phytohaemagglutinin. Pegoraro L, et al. Experientia 27:33-4, 15 Jan 71
Changes in activity of uridine kinase and thymidine kinase in mouse spleen extract following

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

immunization. Rieger M, et al.
Folia Biol (Praha) 17:140-4, 1971
Effect of growth hormone upon the RNA polymerase and deoxythymidine kinase activities of regenerating liver in hypophysectomized rats. Akamatsu N, et al.
J Biochem (Tokyo) 69:1091-5, Jun 71
Factors regulating thymidine kinase in regenerating liver. Fukui N. J Biochem (Tokyo) 69:1075-82, Jun 71
Failure to demonstrate the interaction of subunits of thymidine kinase in cells simultaneously infected with herpes virus and a kinaseless mutant. Buchan A, et al. J Gen Virol 9:239-42, Dec 70
Transfer of thymidine kinase to thymidine kinaseless L cells by infection with ultraviolet-irradiated herpes simplex virus. Munyon W, et al. J Virol 7:813-20, Jun 71
[Effect of alpha-hexachlorocyclohexane on enzymes of pyrimidine metabolism and their susceptibility to actinomycin] Oberdisse E, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:412-3, 1970 (Ger)
[Phosphorylation enzyme and thymidylic acid content of bone marrow in irradiated rabbits] Elkina NI, et al.
Radiobiologiia 11:22-7, Jan-Feb 71 (Rus)

RADIATION EFFECTS

The effect of x-irradiation on thymidine kinase activity in synchronous populations of HeLa cells. Gelbard AS, et al. Radiat Res 46:334-42, May 71
[Determination of irradiation effects on the thymidine kinase activities within a cell-cycle of synchronously growing Chlorella] Cabela E, et al.
Z Naturforsch [B] 26:141-3, Feb 71 (Ger)

THYMIDINE PHOSPHATES see under

NUCLEOTIDES (D10, D11)

THYMIDYLIC ACIDS see under NUCLEOTIDES

(D10, D11)

THYMINE (D2)

Preparation of a circular bihelical deoxyribonucleic acid containing repeating dinucleotide sequences. Paetkau VH, et al. Biochemistry 10:1511-21, 27 Apr 71
The permanganate oxidation of thymine. Iida S, et al.
Biochim Biophys Acta 213:1-13, 16 Jul 70
Crystal and molecular structure of a pyrimidine phototetramer. Flippen JL, et al.
J Am Chem Soc 93:2556-7, 19 May 71
The crystal structure of a thymine trimer, C15H20N6O7·H2O, a photoproduct of thymine. Flippen JL, et al. J Am Chem Soc 93:2762-8, 2 Jun 71
Hydrogenolysis and stereochemistry of photodimers of thymine and thymidine. Kunieda T, et al.
J Am Chem Soc 93:3493-9, 14 Jul 71
Pyrimidine phototetramer. Wang SY, et al.
J Am Chem Soc 93:2554-6, 19 May 71
Thymine phototrimer. Wang SY.
J Am Chem Soc 93:2768-71, 2 Jun 71
Properties of the triplet states of thymine and uracil in aqueous solution. Whillans DW, et al.
J Am Chem Soc 93:1358-62, 24 Mar 71
18-O studies of the 2-ketoglutarate-dependent sequential oxygenation of thymine to 5-carboxyuracil. Holme E, et al. J Biol Chem 246:3314-9, 25 May 71
Sequential loss of loci in thymine-starved Bacillus subtilis 168 cells. Evidence for a circular chromosome. Ramareddy G, et al. J Mol Biol 50:525-32, 14 Jun 70
Loss of DNA behind the growing point of thymine-starved Bacillus subtilis 168. Reiter H, et al.
J Mol Biol 50:533-48, 14 Jun 70
Base-pairing configurations between purines and pyrimidines in the solid state. 3. Crystal and molecular structure of two 2:1 hydrogen-bonded complexes, 1-methylthymine: 9-ethyl-2,6-diaminopurine and 1-methyl-5-iodouracil: 9-ethyl-2,6-diaminopurine. Sakore TD, et al. J Mol Biol 43:385-406, 14 Aug 69
An electron spin resonance study of the photoionization of thymine. The thymine cation and anion radicals. Sevilla MD.
J Phys Chem 75:626-31, 4 Mar 71
Fluorescence of thymine in aqueous solution at 300 degrees K. Hauswirth W, et al.
Photochem Photobiol 13:157-63, Feb 71
Triplet photosensitization and the photobiology of thymine dimers in DNA. Lamola AA.
Pure Appl Chem 24:599-610, 1970
[Mechanism of formation of thymine dimers in frozen aqueous solutions] Pisarevskiĭ AN, et al.
Biofizika 16:154-6, Jan-Feb 71 (Rus)

ANALYSIS

A new technique of pH gradient electrophoresis as applied to the separation of nucleic acid bases. Narurkar MV, et al. Anal Biochem 26:174-7, 10 Oct 68
Asymmetric distribution of guanine plus thymine between complementary strands of deoxyribonucleic acid of members of the Enterobacteriaceae. Hershberger C, et al. J Bacteriol 106:238-42, Apr 71
Methylated bases of Bacillus megaterium KM nucleic acids: comparison with Escherichia coli. Wachsman JT, et al. J Bacteriol 104:814-8, Nov 70
Isolation of double-helical regions rich in adenine-thymine base pairing from bacteriophage f1 DNA. Shishido K, et al. J Mol Biol 55:287-91, 28 Jan 71
Electron energy loss spectra of the nucleic acid bases. Crewe AV, et al. Nature (Lond) 231:262-3, 28 Mar 71

BIOSYNTHESIS

Alternative pathways for DNA-thymine synthesis in stimulated leucocytes. Wolberg WH.
Clin Exp Immunol 8:177-86, Feb 71

CHEMICAL SYNTHESIS

3-substituted-2-thiohydrothymines as potential antitumor agents. Glasser AC, et al.
J Pharm Sci 60:122-4, Jan 71
Thymine: a possible prebiotic synthesis. Stephen-Sherwood E, et al. Science 173:446-7, 30 Jul 71

METABOLISM

Utilization of thymine, thymidine and TMP by neisseria meningitidis. 1. Growth response and uptake of labelled material. Jyssum S, et al.
Acta Pathol Microbiol Scand [B] 78:683-91, 1970
7-Hydroxylation of thymine in a Neurospora strain coupled to oxidative decarboxylation of 2-ketoglutarate. Holme E, et al.
Biochim Biophys Acta 212:50-7, 15 Jul 70
Effect of 5-bromouracil on the growth of a thymine auxotroph of Escherichia coli K-12. Jones RJ, et al.
Can J Microbiol 17:87-93, Jan 71
Deoxyribonucleoside catabolism and thymine incorporation in mutants of Escherichia coli lacking deoxyriboaldolase. Munch-Petersen A.
Eur J Biochem 15:191-202, Jul 70
Variations in rates of thymidine incorporation into DNA and conversion to thymine in mammalian cells grown in culture. Dewey WC, et al.
Exp Cell Res 50:349-54, May 68
The relationship between thymine-less death and growth rate in Escherichia coli 15 TAU. Janderová B, et al. Folia Microbiol (Praha) 16:62-4, 1971
Development of resistance of Novikoff hepatoma to 5-fluoro-2'-deoxyuridine. Wolberg WH.
Int J Cancer 6:261-9, 15 Sep 70
Influence of thymine starvation on the integrity of deoxyribonucleic acid in Escherichia coli. Baker ML, et al. J Bacteriol 105:733-8, Mar 71
Survival and macromolecular synthesis during incubation of Escherichia coli in limiting thymine. Deutsch CE, et al. J Bacteriol 106:197-203, Apr 71
Velocity of chromosome replication in thymine-requiring and independent strains of Bacillus subtilis. Ephrati-Elizur E, et al.
J Bacteriol 106:58-64, Apr 71
Isolation and characterization of thymineless mutants from ultraviolet-sensitive Bacillus subtilis strains. Felkner IC. J Bacteriol 104:1030-2, Nov 70
Control of cell growth in bacteria: experiments with thymine starvation. Kubitschek HE.
J Bacteriol 105:472-6, Feb 71
The thymidine triphosphate pool in wild-type and thymine requiring strains of Escherichia coli K 12 and 15. Beacham IR. J Gen Microbiol 63:vii, Nov 70
Rate of DNA replication in thymine-requiring strains of Escherichia coli. Zaritsky A.
J Gen Microbiol 63:vi-vii, Nov 70
Thymine-requiring mutants of the insect pathogen Bacillus thuringiensis. Barjac H de.
J Invertebr Pathol 16:321-4, Nov 70
Intracellular thymidine triphosphate concentrations in wild type and in thymine requiring mutants of Escherichia coli 15 and K12. Beacham IR, et al.
J Mol Biol 60:75-86, 28 Aug 71
Mechanism of DNA replication. Werner R.
Nature (Lond) 230:570-2, 30 Apr 71
Fate of parental phi X174-DNA upon infection of starved thymine-requiring host cells. Francke B, et al.
Virology 44:168-87, Apr 71

PHARMACODYNAMICS

The effect of thymine starvation on chromosomal structure of Escherichia coli JG-151. Reichenbach DL, et al. Biochem Biophys Res Commun 42:23-30, 8 Jan 71
5-aminouracil treatment. A method for estimating G2. Socher SH, et al. J Cell Biol 48:248-52, Feb 71
[Effect of 4-methyluracil on the content of nucleosides in muscles and liver, and activity of uridine kinase in the livr of albino rat] Iakovlev NN.
Ukr Biokhim Zh 42:317-21, 1970 (Rus)
[Effect of 4-methyl uracil on nucleotide content and uracil degradation in liver of albino rats] Iakovlev NN.
Ukr Biokhim Zh 42:731-5, 1970 (Rus)
[Effect of folic acid, methotrexate and thymine on antibody synthesis] Lutsiuk MB.
Ukr Biokhim Zh 42:12-5, 1970 (Ukr)

RADIATION EFFECTS

Isolation of ultraviolet light induced pyrimidine dimers from enzymic hydrolyzates of DNA. Small GD, et al.
Anal Biochem 41:116-25, May 71
Photosensitized splitting of pyrimidine dimers by indole derivatives. Helene C, et al.
Biochem Biophys Res Commun 43:252-7, 16 Apr 71
A mixed photoproduct of thymine and cysteine: 5-S-cysteine, 6-hydrothymine. Smith KC.
Biochem Biophys Res Commun 39:1011-6, 1970
Uracil-thymine adduct from a mixture of uracil and thymine irradiated with ultraviolet light. Rhoades DF, et al. Biochemistry 9:4416-20, 27 Oct 70
-irradiation of thymine dimers in aqueous solution. Deering RA, et al. Biophys J 8:326-36, Mar 68
Formation of hydroxyl radicals in thymine solution by excited hydrogen or argon from a gas discharge. Carpy S, et al. Int J Radiat Biol 18:359-67, 1970
The radiation chemistry of thymine in aqueous solution. Some reactions of the thymine-electron adduct. Loman H, et al.
Int J Radiat Biol 18:369-79, 1970
Adenine complexes of thymine and uracil: electron spin resonance and thermoluminescence investigations. Tatake VG, et al.
Int J Radiat Biol 19:485-92, 1971
Repair of gamma-ray-induced thymine damage in Micrococcus radiodurans. Hariharan PPV, et al.
Nature [New Biol] 229:247-9, 24 Feb 71
ESR studies of the mechanisms for radical formation in irradiated frozen sulfuric acid solutions of thymine. Henriksen T, et al. Radiat Res 45:420-33, Feb 71
[Peroxides produced from thymine by gamma irradiation in aerated solution] Cadet J, et al.
Biochim Biophys Acta 238:8-26, 29 Apr 71 (Fre)
[Gamma irradiation of thymine in deaerated aqueous solution: cis and trans 6-hydroxy 5,6 dihydrothymine] Cadet J, et al.
Int J Appl Radiat Isot 22:273-80, May 71 (Fre)
[Nature and transformations of paramagnetic centers in gamma-irradiated solutions of pyrimidine bases and DNA] Abagian GV, et al.
Biofizika 14:785-91, Sep-Oct 69 (Rus)

THERAPEUTIC USE

A controlled clinical trial with the cytostatic agent thyminalkylamine and its fluorinated derivative on advanced ovarian tumours. Dvořák O, et al.
Neoplasma 18:365-9, 1971

THYMOANALEPTICS see ANTIDEPRESSIVE

AGENTS (D6)

THYMOL (D2)

ADMINISTRATION & DOSAGE

[Laboratory and clinical studies on the usefulness of Cavilaval in the treatment of dental caries] Limanowska H. Czas Stomatol 24:271-5, Mar 71 (Pol)

DIAGNOSTIC USE

Diagnoses from flocculation tests and other metabolic profile components. II. Thymol turbidity. Casey AE, et al. Ala J Med Sci 7:466-73, Oct 70

PHARMACODYNAMICS

Effect of UV irradiation, merthiolate and thymol on interferential properties of tick-borne encephalitis virus (TE). Dąbek-Szreniawska M.
Acta Microbiol Pol [A] 2:139-42, 1970
[New thymol derivatives and their pharmacologic action] Guioca-Dedopoulou, et al.
Ann Pharm Fr 28:707-18, Dec 70 (Fre)

THERAPEUTIC USE

Comparative efficacy of iodothymol in a field trial. Gaitonde BB, et al.
J Assoc Physicians India 19:267-71, Mar 71
[Studies of the anti-HeLa phenomenon in the blood of subjects with skin neoplasms treated with paramethyl-isopropyl-phenol (thymol)] Buccellato G, et al. Boll Soc Ital Biol Sper 45:343-5, 31 Mar 69 (Ita)

THYMOLEPTICS see TRANQUILIZING AGENTS

(D6)

THYMOMA (C2)

Giant thymoma. Smith WF, et al. Chest 58:383-4, Oct 70
Thymoma of epithelial cell type with liver metastasis in a 9 year old boy. Akeda S, et al.
Mie Med J 20:151-6, Sep 70
[Tumors of the thymus. Report of 10 cases] Lacquet LK, et al.
Acta Tuberc Pneumol Belg 60:791-805, 1969 (Dut)
[Reticulo-thymocyte thymomas. Clinical and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

developmental aspects apropos of 80 operations] Levasseur P, et al.
Ann Chir Thorac Cardiovasc 10:329-37, Jul 71 (Fre)
[Discussion on thymomas] Renault P.
Ann Chir Thorac Cardiovasc 10:197, 1971 (Fre)
[Statistics of 144 lymphoepithelial thymomas] Galy P, et al.
J Fr Med Chir Thorac 25:193-200, Feb-Mar 71 (Fre)
[Thymus neoplasms in childhood] Oelsnitz G von der.
Langenbecks Arch Chir 322:1247-50, 1968 (Ger)
[Rare forms of mediastinal neoplasms in childhood] Satter P.
Langenbecks Arch Chir 322:1250-2, 1968 (Ger)
[Case of recurrent thymoma of the thoracic cavity] Taketani H, et al.
Jap J Thorac Surg 24:367-9, May 71 (Jap)
[Thymomas. I] Serrano Muñoz F, et al.
Rev Clin Esp 120:147-56, 31 Jan 71 (Spa)

CHEMICALLY INDUCED

Influence of Candida albicans glycoprotein on 3-methylcholanthrene induced malignancy in newborn rodents. Mankowski ZT.
Mycopathol Mycol Appl 44:95-100, 3 May 71

COMPLICATIONS

Granulomatous thymoma associated with erythroid hypoplasia. Remigio PA.
Am J Clin Pathol 55:68-72, Jan 71
Thymic conversion of Candida albicans from commensalism to pathogenism. Schoch EP Jr.
Arch Dermatol 103:311-9, Mar 71
Malignant thymoma associated with myasthenia gravis, and evidence of extrathoracic metastases. An analysis of published cases and report of a case. Guillan RA, et al. Cancer 27:823-30, Apr 71
Acquired pulmonary stenosis. Littler WA, et al.
Thorax 25:465-71, Jul 70
[Thymoma. Myasthenia. Auto-immune thyroiditis. Vesical papillomas. 2 clinical cases] Zoupanos G, et al.
Ann Chir Thorac Cardiovasc 10:191-6, 1971 (Fre)
[Malignant thymoma with hypercorticism. Clinical and biological study, both pre- and postoperative] Luton JP, et al.
Ann Med Interne (Paris) 121:61-74, Jan 70 (Fre)
[Erythroblastopenia; myasthenia: Hargraves' cells; thymic tumor. Study of a case with favorable prognosis] Siguier F, et al.
Ann Med Interne (Paris) 120:561-8, Aug-Sep 69 (Fre)
[Thymomas and hypogammaglobulinemia (2 new cases)] Turiaf J, et al.
Ann Med Interne (Paris) 121:855-65, Oct 70 (Fre)
[Thymic tumors and immunologic, hematologic and paraneoplastic syndromes sometimes associated with them] Saegesser F, et al.
Lyon Chir 65:161-81, Mar-Apr 69 (Fre)
[Benign thymoma and hypogammaglobulinemia] Lesobre R, et al. Presse Med 78:2007-9, 31 Oct 70 (Fre)
[Thymic tumors and associated syndromes] Zoupanos G. Rev Med Suisse Romande 91:99-121, Feb 71 (Fre)
[Polymyositis, myasthenia and malignant thymoma. Apropos of a case] Warter JM, et al.
Rev Otoneuroophtalmol 42:263-8, Jul-Aug 70 (Fre)
[Association of thymoma, myasthenia, erythroblastopenic anemia and presence of LE cells in the blood in the same patient] Zoupanos G, et al.
Schweiz Med Wochenschr 100:1585-7, 31 Oct 70 (Fre)
[Thymoma with aplastic anemia and hypersplenic syndrome] Selgrad P.
Med Welt 6:219-20, 6 Feb 71 (Ger)
[Autopsy case of septicemia due to Salmonella typhimurium associated with thymoma and abscess formation] Koga T, et al.
J Jap Assoc Infect Dis 45:218-21, Jun 71 (Jap)
[The thymus and myasthenia. II] Serrano Muñoz F, et al. Rev Clin Esp 120:199-208, 15 Feb 71 (Spa)
[Thymoma, pure red cell aplasia and hypogammaglobulinemia. Case report] Pizzuto Chávez J, et al.
Rev Invest Clin 21:499-506, Oct-Dec 69 (Spa)
[Thymoma and autoimmune diseases] Hanngren A, et al. Lakartidningen 67:4935-40, 21 Oct 70 (Swe)
[Thymoma, hypogammaglobulinemia and "pure red cell anaemia"] Berlin SO, et al.
Nord Med 84:1570-1, 3 Dec 70 (Swe)

DIAGNOSIS

The occult thymoma: radiological and radioisotopic aids to diagnosis. Hare WS, et al.
Australas Ann Med 19:30-3, Feb 70
Selenomethionine Se 75 thymus scans in myasthenia gravis. Cowan RJ, et al. JAMA 215:978-9, 8 Feb 71
Thymoma; clinicopathologic observation. Takita H, et al. NY State J Med 70:2667-72, 1 Nov 70
[Thymus tumor with pseudo-Hodgkin structure] Chinaglia A, et al.
Arch Chir Torac Cardiovasc 26:85-102, Apr-Jun 69 (Ita)
[Pathomorphology of thymomas] Kowalczykowa J, et al. Patol Pol 22:173-84, Apr-Jun 71 (Pol)

ENZYMOLOGY

Histochemistry of the human thymus and a thymoma. Timperley WR, et al. J Pathol 103:pv, Feb 71

FAMILIAL & GENETIC

The thymoma-prone (NZB X CFW) F1 mouse. Francis D, et al. J Pathol 103:188-93, Mar 71

IMMUNOLOGY

[Malignant thymoma with lymphocytopenia and IgM immunoglobulin] Lederer B, et al.
Verh Dtsch Ges Pathol 54:319-22, 1970 (Ger)
[Evaluation of autologous leucocyte skin test and homologous leucocyte skin test in cancer patients. Comparison with skin test in the other diseases] Tsuda T.
J Kumamoto Med Soc 44:875-91, 25 Aug 70 (Jap)
[Myasthenia gravis and immunologic reactions in a case of adenoma of the thymus] Hakalo Z, et al.
Przegl Lek 26:385-7, 1970 (Pol)

PATHOLOGY

Lesions in aged germfree Wistar rats. Pollard M, et al.
Am J Pathol 61:25-36, Oct 70
Comparative ultrastructural studies on three thymic lesions. Kay S. Arch Pathol 90:416-22, Nov 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1-1971.
N Engl J Med 284:39-47, 7 Jan 71
Banded structures in the connective tissue of lymphomas, lymphadenitis, and thymomas. Mollo F, et al. Virchows Arch [Zellpathol] 7:356-66, 1971
[Thymoma with predominance of pseudorosettes] Wagner WC.
Schweiz Med Wochenschr 101:932-3, 26 Jun 71 (Fre)
[Significance of germinal center in the non-tumorous thymic tissue in myasthenia gravis with thymoma] Tsuchiya M, et al.
Adv Neurol Sci (Tokyo) 14:476-84, 1970 (Jap)

RADIOGRAPHY

The occult thymoma: radiological and radioisotopic aids to diagnosis. Hare WS, et al.
Australas Ann Med 19:30-3, Feb 70
Pleural metastases of thymoma. Jong J de, et al.
Folia Med Neerl 14:62-6, 1971
[Abnormal cardiac silhouette and thymic tumors (11 cases)] Ferrané J, et al.
J Radiol Electrol Med Nucl 51:207-15, May 70 (Fre)
[Thymomas--a problem in roentgen diagnostics and radiation therapy] Heilmann HP, et al.
Prax Pneumol 25:57-67, Feb 71 (Ger)
[A rare case of aberrant thymoma] Rili A.
Med Pregl 23:135-6, 1970 (Cro)

RADIOTHERAPY

[Erythroblastopenia and immunoglobulin deficiency after cobalt therapy of a thymoma developing for 26 years] Souquet R, et al.
Poumon Coeur 26:1203-17, 1970 (Fre)
[Anatomo-pathological contribution to the study of the relation between myasthenia and the thymus gland, with reference to the results of roentgenotherapy of the thymus region by to Bollini's technic] Mercuriali A. G Psichiatr Neuropatol 97:731-68, 1969 (Ita)

SURGERY

Thymoma. Kilman JW, et al. Am J Surg 121:710-1, Jun 71
Myasthenia gravis appearing after removal of a thymoma. Report of a case and review of the literature. Azer MS, et al. Am Surg 37:109-13, Feb 71
Surgery for thymic tumors. Braitman H, et al.
Arch Surg 103:14-6, Jul 71
Successful immunosuppressive treatment of erythroid aplasia appearing after thymectomy. Safdar SH, et al.
Br J Haematol 19:435-43, Oct 70
Surgery of the thymus. Bernatz PE.
J Miss State Med Assoc 11:629-33, Dec 70
[Mediastinal neoplasms in childhood] Kootz F.
Langenbecks Arch Chir 322:1252-3, 1968 (Ger)
[Surgical aspect of thymoma] Hario K.
J Jap Med Assoc 64:1339-47, 15 Dec 70 (Jap)
[Mediastinal neoplasms and cysts in children] Bairov GA, et al. Vestn Khir 105:99-106, Aug 70 (Rus)

VETERINARY

Thymoma and pulmonary metastasis in a 12-year-old bull with chronic bloat. Norrdin RW.
Cornell Vet 60:617-22, Oct 70

THYMUS GLAND (A7)

see also related
BURSA OF FABRICIUS (A13)

Enzymatic hydrolysis of calf thymus deoxyribonucleic acid adsorbed on diethylaminoethylcellulose.
Rushizky GW, et al. Biochemistry 7:406-11, Jan 68
Characterization of RNA in fractions of calf thymus chromatin. Heyden HW von, et al.
Biochim Biophys Acta 232:651-60, 8 Apr 71
Trapping of blood lymphocytes on glass bead columns coated by autologous thymus and lymph node extract.
Linna TJ, et al.
Int Arch Allergy Appl Immunol 40:898-904, 1971
Release of C-type particles from normal rat thymus cultures and those infected with Moloney leukemia virus. Teitz Y, et al. J Natl Cancer Inst 46:11-23, Jan 71
Selenomethionine Se 75 thymus scans in myasthenia gravis. Cowan RJ, et al. JAMA 215:978-9, 8 Feb 71
Specific toxicity of histone fraction F2C against TLX5 lymphoma ascites cells in vitro. Johns EW, et al.
Nature (Lond) 228:1201-2, 19 Dec 70
Hemorrhagic cysts of thymus. Missier PA, et al.
NY State J Med 71:1930-1, 15 Aug 71
Activation of non competent embryonic chicken spleen and bone marrow cells by thymus and bursa Fabricii extracts. Sharon R. Poult Sci 49:1750-2, Nov 70
Acceleration by thymosin of the development of resistance to murine sarcoma virus-induced tumor in mice. Zisblatt M, et al.
Proc Natl Acad Sci USA 66:1170-4, Aug 70
The thymus as an endocrine gland: properties of thymosin, a new thymus hormone. Goldstein AL, et al.
Recent Progr Horm Res 26:505-38, 1970 (74 ref.)
Emigration of thymocytes from the thymus: a review and study of the problem. Sainte-Marie G, et al.
Rev Can Biol 30:51-78, Mar 71 (69 ref.)
The thymus, thymosin and anti-thymosin. Goldstein G.
Vox Sang 19:97-104, Aug 70
[Thymus and myasthenia. Generalities] Dor J.
Ann Chir 25:515-6, May 71 (Fre)
[Influence of a lipid extract isolated from the thymus on development of the Guérin tumor] Potop I, et al.
Arch Geschwulstforsch 33:233-43, 1969 (Fre)
[50 years of research on the thymus] Dustin P Jr, et al.
Brux Med 50:959-71, Nov 70 (Fre)
[Refringence of some mammal lymphocytes in oblique light: application to the study of thymodependent cells] Pompidou A, et al.
C R Acad Sci [D] (Paris) 272:1272-4, 1 Mar 71 (Fre)
[A case of hydatid cyst of the thymus in a child] Repesse G, et al. Presse Med 7:1073-4, 8 May 71 (Fre)
[Myasthenia gravis. Value of thymus gland scintigraphy. (Clinical analysis of a case)] D'Amico D, et al. Acta Chir Ital 26:387-94, Sep-Oct 70 (Ita)
[Parathyroid cyst and cervical thymus cyst] Furuya S, et al. Clin Endocrinol (Tokyo) 18:1015-20, Dec 70 (Jap)
[Action of lipid and protein extracts of the thymus on the phosphorus and alkaline phosphatase of the liver of rats with Walker tumor] Juvină E.
Stud Cercet Endocrinol 21:421-3, 1970 (Rum)
[Action of thymus lipid extract B on carbohydrate metabolism in mice with implants of Ehrlich's ascitic carcinoma] Juvină E, et al.
Stud Cercet Endocrinol 21:503-7, 1970 (Rum)
[Action of thymic lipid extract B on adenosine triphosphatase and succinate dehydrogenase of the liver of rats with Guerin tumors] Juvină E, et al.
Stud Cercet Endocrinol 22:35-9, 1971 (Rum)
[On the incorporation of a thymus extract labeled with P32 during anti-influenza immunization in mice] Babeş VT, et al.
Stud Cercet Inframicrobiol 21:291-6, 1970 (Rum)
[The role of the thymus in carcinogenesis] Andrianova MM. Vopr Onkol 16:94-103, 1970 (148 ref.) (Rus)

ABNORMALITIES

Ectopic solid thymus gland of the neck. Komi N.
Bull Tokyo Med Dent Univ 18:23-31, Mar 71
Immunological responses of 'nude' mice. Wortis HH.
Clin Exp Immunol 8:305-17, Feb 71
Observations on the immunobiology of 'nude' mice. Pantelouris EM. Immunology 20:247-52, Feb 71
Thymus dysgenesis in nude (nu nu) mice. Pantelouris EM, et al. J Embryol Exp Morphol 24:615-23, Nov 70
Ectopic thymic tissue of th neck. Hinds EA, et al.
J Pediatr Surg 5:460-3, Aug 70
Pathology mediquiz. Case 1. Gall EA.
Med Times 99:95 passim, Mar 71
Agammaglobulinemia and thymic dysplasia associated with ectodermal dysplasia. Feigin RD, et al.
Pediatrics 47:143-7, Jan 71
Unresponsiveness of nude mice to skin allografts. Pennycuik PR. Transplantation 11:417-8, Apr 71
[Thymolymphocytic aplasia in young children] Verger P, et al. Bord Med 4:1232, Apr 71 (Fre)
[On a case of alymphocytosis with agammaglobulinemia (the Glanzmann-Riniker syndrome)] Lotti A, et al.
Minerva Pediatr 23:214-20, 4 Feb 71 (Ita)
[Autopsy case of aplasia of the thymus and parathyroid gland with interruption of the aortic arch (DiGeorge's syndrome)] Takeuchi K, et al.
Acta Paediatr Jap 75:1-10, 1 Jan 71 (Jap)

ANALYSIS

The ribonucleoprotein particles from nuclear residual

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

proteins of calf thymus. Hu A, et al.
Arch Biochem Biophys 144:549-55, Jun 71
Analytical study of the degradation of nucleohistone during calf thymus chromatin autolysis. Combard A, et al. Biochem J 118:875-81, Aug 70
A study of calf thymus histone fraction F2(b) by gel filtration. Edwards PA, et al.
Biochem J 120:61-6, Nov 70
The mechanism of "biochemical shock". I. The correlation between the accumulation of some thiol radioprotectors in rat tissues and biochemical changes induced by them. Filippovich IV, et al.
Biochem Pharmacol 19:2533-40, Sep 70
Specificity in the association of histones with deoxyribonucleic acid. Evidence from derivative thermal denaturation profiles. Ansevin AT, et al.
Biochemistry 10:1133-42, 30 Mar 71
Elution of mammalian nuclearsatellite DNA's on methylated albumin kieselguhr and hydroxyapatite chromatographic columns. Corneo G, et al.
Biochim Biophys Acta 217:249-58, 15 Oct 70
Early localization of 125-I-labelled human growth hormone in adrenals and other organs of immature hypophysectomized rats. Mayberry HE, et al.
Endocrinology 88:1309-17, Jun 71
Phosphate contents of calf thymus histone fractions. Hayashi T, et al. J Biochem (Tokyo) 68:415-7, Sep 70
Spectroscopic studies of five purified histones from calf thymus. Oh YH. J Biol Chem 245:6404-16, 10 Dec 70
Effect of a S purified thymus factor (isolated from the II B 3 thymus fraction) on the in vitro proliferation of tumour cells. Potop I, et al. Neoplasma 17:655-62, 1970
[Acid proteins of calf thymus deoxyribonucleoprotein] Hacha R, et al.
Arch Int Physiol Biochim 78:165-6, Feb 70 (Fre)
[Time course of the concentration of Mn, Cu and Zn in liver, spleen and thymus of rats with Yoshida ascites sarcoma] Zimmerer J, et al.
Z Krebsforsch 74:15-9, 1970 (Ger)
[The search for a hypocalcemic factor in the thymus gland. II. Improved method for the purification of the substance producing hypocalcemia in rabbits] Mizutani A, et al.
J Pharm Soc Jap 91:297-304, Mar 71 (Jap)
[Comparative characteristics of calf brain tissue and thymus gland histones] Miul'berg AA, et al.
Biokhimiia 35:815-24, Jul-Aug 70 (Rus)
[Isolation of electrophoretically homogeneous lysine rich histones from calf thymus] Rebentish BA, et al.
Biokhimiia 35:802-7, Jul-Aug 70 (Rus)
[Comparative characteristics of histones from rat thymus, liver and kidney] Miul'berg AA, et al.
Vestn Leningr Univ [Biol] 4:108-16, 1968 (Rus)

ANATOMY & HISTOLOGY

Histological changes and macrophage activity in the adult guinea-pig thymus. Blau JN.
Br J Exp Pathol 52:142-6, Apr 71
Morphological studies on the thymus. II. Echidna--a monotreme prototheria. Kathiresan S.
Indian J Med Res 58:1397-9, Oct 70
The thymus in the chicken and its anatomical relationship to the thyroid. Panigraphi D, et al.
J Immunol 107:289-92, Jul 71
Weights of testes, thymi, and accessory reproductive glands in relation to rank in paired and grouped house mice (Mus musculus). Lloyd JA.
Proc Soc Exp Biol Med 137:19-22, May 71
[Radiographic picture of the thymus and its differentiation from primary tuberculosis. I. Anatomy of the thymus and methods of examination] Rudnik I. Gruzlica 38:1061-6, Oct 70 (Pol)
[Secretion of the thymus gland] Ivanovskaia TE, et al.
Biull Eksp Biol Med 71:111-4, Apr 71 (Rus)

BLOOD SUPPLY

Determination of thymic blood flow in guinea-pigs of different ages. Ernström U, et al.
Acta Pathol Microbiol Scand [A] 78:366-7, 1970
Postcapillary venules of the lymph node type in the thymus in myasthenia. Söderström N, et al.
Lab Invest 23:451-8, Nov 70
[Selective thymic phlebography] Rémy J, et al.
J Fr Med Chir Thorac 23:673-84, Sep-Oct 69 (Fre)

CYTOLOGY

Phylogenesis of mast cells. II. Ultrastructure of mast cells in the frog. Csaba G, et al.
Acta Biol Acad Sci Hung 21:255-64, 1970
The thymus as the source of mast cells in the blood. Csaba G, et al. Acta Biol Acad Sci Hung 21:333-4, 1970
A modified Bodian Protargol stain for identification of striated muscle elements. Van de Velde RL, et al.
Am J Clin Pathol 54:768-71, Nov 70
Distribution of cell web-containing epithelial reticular cells in the rat thymus. Pereira G, et al.
Anat Rec 169:613-26, Apr 71
Properties of a new form of DNA from whole calf thymus nuclei: evidence for reactive, special sites in DNA. Welsh RS, et al.
Arch Biochem Biophys 142:132-43, Jan 71
Nuclear phosphoproteins. 3. Increase in phosphorylation during histone-phosphoprotein interaction. Kaplowitz PB, et al.
Biochim Biophys Acta 229:739-48, 23 Mar 71
Studies of the glucocorticoid-binding protein from thymocytes. I. Localization in the cell and some properties of the protein. Schaumburg BP.
Biochim Biophys Acta 214:520-32, 29 Sep 70
Stimulation of DNA synthesis in vitro in mouse thymic cells by bone marrow preparation. Knyszynski A, et al.
Blood 37:231-9, Feb 71
Observations on the decline in immunosuppressive potency of rabbit anti-mouse thymocyte sera raised by repeated immunization of the same rabbit. Ponsford FM, et al. Br J Surg 57:849, Nov 70
Kinetics of the distribution of thymus and marrow cells in the peripheral lymphoid organs of the mouse: ecotaxis. Sousa M de.
Clin Exp Immunol 9:371-80, Sep 71
Qualitative and quantitative studies on mixed homologous chicken thymus cell cultures. Weber WT.
Clin Exp Immunol 6:919-40, Jun 70
Effect of prednisolone on thymus lymphocytes. II. Studies on 3 H-actinomycin D Binding and RNA polymerase activity of isolate nuclei. Darżynkiewicz Z, et al. Exp Cell Res 67:49-60, Jul 71
Effect of prednisolone on thymus lymphocytes. 1. Autoradiographic studies on 3 H-actinomycin D binding and 3 H-uridine incorporation. Darżynkiewicz Z, et al. Exp Cell Res 67:39-48, Jul 71
Ultrastructural localization of cytochrome oxidase in isolated rat thymus nuclei by the diaminobenzidine method. Rupec M, et al. Exp Cell Res 66:157-63, May 71
Thymus nucleoproteins. Thymus histones in young and adult rats. Bojanović JJ, et al.
Gerontologia 16:304-12, 1970
The density distribution of thymus, thoracic duct and spleen lymphocytes. Shortman K.
J Cell Physiol 77:319-30, Jun 71
The possible mediation by cyclic AMP of the stimulation of thymocyte proliferation by vasopressin and the inhibition of this mitogenic action by thyrocalcitonin. Whitfield JF, et al.
J Cell Physiol 76:65-76, Aug 70
Cells containing Birbeck granules (Langerhans cell granules) in the human thymus. Hoshino T, et al.
J Electron Microsc (Tokyo) 19:271-6, 1970
Cellular differentiation in the thymus. 3. Surface properties of rat thymus and lymph node cells separated on density gradients. Colley DG, et al.
J Exp Med 132:1107-21, 1 Dec 70
Induction of a hemolysin response in vitro. Interaction of cells of bone marrow origin and thymic origin. Hartmann KU. J Exp Med 132:1267-78, 1 Dec 70
Synergism of thymus and bone marrow in the production of gra a5hilgard HR: Synergism of thymus and bone marrow in the production of graft-versus-host splenomegaly in x-irradiated hosts. Hilgard HR. J Exp Med 132:317-28, 1 Aug 70
Studies on the differentiation of thymus-derived lymphocytes. Owen JJ, et al.
J Exp Med 132:1216-32, 1 Dec 70
Electron microscopic study on acute thymic involution induced by polyoma virus infection. Imamura M, et al.
J Natl Cancer Inst 47:289-99, Aug 71
The association of lymphocytes with larger motile cells in cultures of mammalian thymus. Sharp JA.
J Pathol 103:87-95, Feb 71
Effects of x-irradiation on 14C-pyruvate metabolism in rat thymocytes. Araki K, et al.
J Radiat Res (Tokyo) 11:79-84, Jun 70
Thymic origin of lymphocytes in developing Peyer's patches of newborn mice. Joel DD, et al.
Nature [New Biol] 231:24-5, 5 May 71
Thymus-derived cells in mouse thoracic duct lymph. Miller JF, et al.
Nature [New Biol] 230:267-70, 28 Apr 71
Evidence for subpopulation of mature lymphocytes within mouse thymus. Raff M.
Nature [New Biol] 229:182-4, 10 Feb 71
A system for lymphocytes in the mouse. Davies AJ, et al. Proc R Soc Lond [Biol] 176:369-84, 12 Jan 71
The effect of cortisol on viability and glucose uptake in rat thymocytes in vitro. Stuart JJ, et al.
Proc Soc Exp Biol Med 136:1146-50, Apr 71
Clasmatosis: ultrastructure of cytoplasmic fragments from the spleen, lymph nodes, and thymus of the rat. Kabakov YN, et al. Protoplasma 70:167-77, 1970
Factors influencing clasmatosis in vivo: observations of periodicity of clasmatosis in lymphocytes and hematopoietic recovery after irradiation. Kabakov YN. Radiat Res 47:491-9, Aug 71
Peri- and emperipolesis. Törö I, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:277-8, 1970
Antigen-binding cells in normal mouse thymus. Modabber F, et al. Science 170:1102-4, 4 Dec 70
The technique of obtaining thymocytes from living mice. Boyse EA, et al. Transplantation 12:93-5, Jul 71
The biological activity of antisera raised against fractional antigens from murine thymocytes and lymphocytes. Hayes CR, et al.
Transplantation 9:343-51, Apr 70
Variations in rabbit antimouse lymphocyte sera caused by lymphocytes of differing origins in the immunizing inocula. Miller J, et al.
Transplantation 9:352-65, Apr 70
The fine structure of the thymus of the fetal and neonatal monkey (Macaca mulatta). Chapman WL Jr, et al. Z Zellforsch Mikrosk Anat 114:220-33, 1971
[Proliferation of thymocytes after accidental involution] Griss P, et al.
Verh Dtsch Ges Pathol 54:222-8, 1970 (Ger)
[Comparative electron microscopic investigation of entodermal reticulum cells in the thymus of newborn and aged wistar-rats] Pfoch M.
Z Zellforsch Mikrosk Anat 114:271-80, 1971 (Ger)
[Mixed culture of lymphocytes by a new improved fixation and staining method--with special reference to reversion to blast forms in the cells of the lymph nodes and thymus] Hayashi M.
Jap J Allergy 19:794-9, Oct 70 (Jap)
[The diurnal rhythm of thymus lymphocyte mitotic division in chickens] Khussar IuP.
Biull Eksp Biol Med 65:97-8, May 68 (Rus)
[Induction of bone formation in a population of guinea pig lymphoid cells] Lalykina KS, et al.
Biull Eksp Biol Med 67:105-8, Jun 69 (Rus)
[Agewise changes in the relationship between the mitotic activity of rat thymus lymphocytes and the effect of hydrocortisone] Ostroushko ET.
Biull Eksp Biol Med 69:84-7, Jun 70 (Rus)
[Effect of immunization on the mitotic activity of thymocytes and level of humoral antibodies] Sinel'shchikova VV, et al.
Biull Eksp Biol Med 71:80-2, May 71 (Rus)
[Morphology of the thymus at different stages of ontogenesis of the salmon] Belova AV.
Dokl Akad Nauk SSSR 197:1214-5, 1971 (Rus)

DRUG EFFECTS

Changes in the lymphoid system following the intravenous injection of phytohaemagglutinin in mice. A pilot study. Hartveit F.
Acta Pathol Microbiol Scand [A] 78:525-31, 1970
Cytological and histological events following treatment with anti-thymocytic globulin in mice. Studies on the increased decay in lymphatic tissue. Röpke C.
Acta Pathol Microbiol Scand [B] 79:23-32, 1971
Cytological and histological events following a single injection of antithymocytic serum in mice. Röpke C.
Acta Pathol Microbiol Scand [B] 78:239-46, 1970
Some observations on the acute histopathologic effects of cycloheximide in vivo. Verbin RS, et al.
Am J Pathol 62:111-25, Jan 71
Interaction of phytohemagglutinin with plasma membranes of pig lymphocytes and thymus cells. Allan D, et al. Exp Cell Res 66:362-8, Jun 71
Stimulation of DNA synthesis and mitotic activity of thymic lymphocytes by cyclic adenosine 3'5'-monophosphate. Macmanus JP, et al.
Exp Cell Res 58:188-91, Nov 69
Stimulation of mitotic activity in rat bone marrow and thymus by exogenous adenosine 3'5'-monophosphate (cyclic AMP). Rixon RH, et al.
Exp Cell Res 63:110-6, Nov 70
The restorative effect of adenine on free-DNA release from x-irradiated rat thymocytes. Oyama H.
Int J Radiat Biol 19:177-81, 1971
Stimulation by epinephrine of adenyl cyclase activity, cyclic AMP formation, DNA synthesis and cell proliferation in populations of rat thymic lymphocytes. MacManus JP, et al.
J Cell Physiol 77:103-16, Feb 71
Hydrocortisne resistance of graft vs host activity in mouse thymus, spleen and bone marrow. Cohen JJ, et al. J Immunol 105:1144-50, Nov 70
Autoradiographic study on the site of uptake of the haptoglobin-hemoglobin complex. Wada T, et al.
J Reticuloendothel Soc 8:185-93, Aug 70
Further studies on the relationship between vitamin C and thymic humoral factor. Dieter MP.
Proc Soc Exp Biol Med 136:316-22, Jan 71
[Histo-enzymatic aspects of thymo-dependent zones in the spleen in mice subjected to the massive action of cortisone acetate] Catayée G, et al.
C R Soc Biol (Paris) 164:821-3, 1970 (Fre)
[A comparative study of the hematological and tissue effects of testosterone administered to male rats by percutaneous or by subcutaneous routes] Aschkenazy A. Therapie 25:1025-46, Nov-Dec 70 (Fre)
[Migration of macrophages to the thymus gland after treatment with antimitotic drugs] Castaldi G, et al.
Haematologica 54:845-60, 1969 (Ita)
[Effect of neurotropic substances on cell proliferation in the mouse thymus] Rusanov AM, et al.
Sov Zdravookhr Kirg 4:23-7, Jul-Aug 70 (Rus)
[Effect of histones on the energy process and permeability of the isolated nucleus of the thymus gland] Tarshis MA, et al.
Tsitologiia 12:794-8, 1970 (Rus)

EMBRYOLOGY

Thymus dysgenesis in nude (nu nu) mice. Pantelouris EM, et al. J Embryol Exp Morphol 24:615-23, Nov 70
The fine structure of the thymus of the fetal and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

neonatal monkey (Macaca mulatta). Chapman WL Jr, et al. Z Zellforsch Mikrosk Anat 114:220-33, 1971

ENZYMOLOGY

Enzyme histochemistry of lymphoid tissues in germfree cats inoculated with feline infectious enteritis (feline panleukopenia) virus. Fowler EH, et al. Am J Vet Res 31:2061-9, Nov 70

Partial purification of RNA polymerase from bovine thymus. Goldberg ML, et al.
Arch Biochem Biophys 141:258-63, Nov 70

Decreased activity of a soluble DNA-dependent RNA polymerase from thymus of rats injected with a thymolytic steroid. Nakagawa S, et al.
Biochem Biophys Res Commun 43:239-45, 16 Apr 71

DNA polymerase associated with nuclear membrane of calf thymus. Yoshida S, et al.
Biochem Biophys Res Commun 43:1408-14, 18 Jun 71

Histone deacetylase from calf thymus. Inoue A, et al.
Biochim Biophys Acta 230:307-16, 11 Nov 70

Nucleases in immunity. I. The effect of immunization on RNase and DNase activity in lymphoid tissues. Chakrabarty AK, et al.
Clin Exp Immunol 6:609-18, Apr 70

Purification from crude extract by affinity chromatography of the inhibitor of deoxyribonucleae I. Lindberg U, et al. Eur J Biochem 18:474-9, Feb 71

Metabolism of deoxyribonucleotides. Purification and properties of deoxyguanosine monophosphokinase of calf thymus. Shimono H, et al.
Eur J Biochem 19:256-63, 11 Mar 71

A factor from calf thymus stimulating DNA-dependent RNA polymerase isolated from this tissue. Stein H, et al. Eur J Biochem 14:270-7, Jun 70

Specificity in steroid histochemistry, with special reference to the use of steroid solvents. Distribution of 11-beta-Hydroxysteroiddehydrogenase in kidney and thymus from the mouse. Hoyer PE, et al.
Histochemie 24:292-306, 1970

Increased ribonuclease activity in thymus and lymph nodes after intraperitoneal antigenic stimulation with sheep erythrocytes. Maor D, et al.
Immunology 20:259-61, Feb 71

Deoxynucleotide-polymerizing enzymes of calf thymus gland. V. Homogeneous terminal deoxynucleotidyl transferase. Chang LM, et al.
J Biol Chem 246:909-16, 25 Feb 71

Solubilization and partial purification of protein methylase 3 from calf thymus nuclei. Paik WK, et al.
J Biol Chem 245:6010-5, 25 Nov 70

Histochemistry of the human thymus and a thymoma. Timperley WR, et al. J Pathol 103:pv, Feb 71

Specific induction of beta-galactosidase in neonatal lymphoid tissue. Esterly JR, et al.
Lab Invest 24:175-7, Feb 71

[UDPG-glycogen synthetase from rabbit liver and thymus and from human leukocytes] Filippova VN, et al. Biokhimiia 35:962-7, Sep-Oct 70 (Rus)

[Comparative study of adenosine deaminase activity in the spleen, thymus and bone marrow of mice of strains AKR and C57BL] Svirnovskiĭ AI, et al.
Biull Eksp Biol Med 71:64-7, Jan 71 (Rus)

[Adenosine deaminase activity in the leukemic tissues of AKR mice] Svirnovskiĭ AI, et al.
Vopr Onkol 17:71-3, 1971 (Rus)

[Mechanism of action of antilymphocyte serum and phytohemagglutinin on lymphoid cells] D'iakova AM.
Zh Mikrobiol Epidemiol Immunobiol 48:123-6, May 71 (Rus)

GROWTH & DEVELOPMENT

Hormones and the immunological capacity. 3. The immunodeficiency disease of the hypopituitary Snell-Bagg dwarf mouse. Fabris N, et al.
Clin Exp Immunol 9:209-25, Aug 71

Proliferation of spleen-derived cells in thymus of lethally irradiated mice. Tyan ML, et al.
Transplantation 8:751-3, Nov 69

Differentiation of epithelial cells in the mouse thymus. Mandel T. Z Zellforsch Mikrosk Anat 106:498-515, 1970

[Demonstration in culture in vitro of the fusion of thymic myoblasts and myoblasts originating in skeletal muscle of rat embryo] Matagne-Dhoossche F. C R Acad Sci [D] (Paris) 272:3337-9, 28 Jun 71 (Fre)

IMMUNOLOGY

Development of plasma cells during acute graft-versus-host reactions. Lindholm L, et al.
Acta Pathol Microbiol Scand [B] 79:445, 1971

Cytological and histological events following treatment with anti-thymocytic globulin in mice. Studies on the increased decay in lymphatic tissue. Röpke C.
Acta Pathol Microbiol Scand [B] 79:23-32, 1971

The possible presence of rosette forming cells against syngenic thymus cells in the blood forming organs of the mouse. Rydberg L, et al.
Acta Pathol Microbiol Scand [B] 79:444, 1971

The thymus gland: experimental and clinical studies of its role in the development and expression of immune functions. Goldstein AL, et al.
Adv Metab Disord 5:149-82, 1971 (181 ref.)

Studies in myasthenia gravis: effects of thymectomy. Results on 185 patients with nonthymomatous and thymomatous myasthenia gravis, 1941-1969.
Papatestas AE, et al. Am J Med 50:465-74, Apr 71

The influence of thymic and bursal lymphoid systems in avian tuberculosis. Cheville NF, et al.
Am J Pathol 64:97-122, Jul 71

Thymic conversion of Candida albicans from commensalism to pathogenism. Schoch EP Jr.
Arch Dermatol 103:311-9, Mar 71

The cellular and humoral response to antigens in lambs thymectomized in utero. Cole GJ, et al.
Aust J Exp Biol Med Sci 49:55-73, Feb 71

The normal lymphocyte transfer reaction in lambs thymectomized in utero. Cole GJ, et al.
Aust J Exp Biol Med Sci 49:89-99, Feb 71

Homograft rejection and hypersensitivity reactions in lambs thymectomized in utero. Cole GJ, et al.
Aust J Exp Biol Med Sci 49:75-88, Feb 71

The "pemphigus" antibody and immunopathies affecting the thymus. Whittingham S, et al.
Br J Dermatol 84:1-6, Jan 71

The thymic influence on immunological recovery from antilymphocytic serum therapy. Boak JL, et al.
Br J Surg 57:849, Nov 70

Studies on lymphocytes and macrophages of mice treated with antithymocytic serum. Skopińska E, et al.
Bull Acad Pol Sci [Biol] 19:107-11, 1971

Effects of antimacrophage, antithymocyte, antilymphocyte and antispleen serum on the immune response in mice. Argyris BF, et al.
Clin Exp Immunol 7:551-34, Oct 70

Hormones and the immunological capacity. IV. Restorative effects of developmental hormones or of lymphocytes on the immunodeficiency syndrome of the dwarf mouse. Fabris N, et al.
Clin Exp Immunol 9:227-40, Aug 71

Studies on antilymphocyte antibody in the chicken. I. Effect of rabbit antithymus and antibursa globulin on chicken embryos. Janković BD, et al.
Clin Exp Immunol 7:693-707, Nov 70

Studies on antilymphocyte antibody in the chicken. II. Effect of rabbit antithymus and antibursa globulin on immune reactions in young chickens. Janković BD, et al. Clin Exp Immunol 7:709-22, Nov 70

Prolonged administration of antithymocyte serum in mice. I. Observations on cellular and humoral immunity. Nehlsen SL.
Clin Exp Immunol 9:63-77, Jul 71

Prolonged administration of antithymocyte serum in mice. II. Histopathological investigation. Simpson E, et al. Clin Exp Immunol 9:79-96, Jul 71

Cytotoxicity in vitro of preleukaemic lymphoid cells on syngeneic monolayers of embryo or thymus cells. Wahren B, et al. Clin Exp Immunol 7:373-86, Sep 70

Human thymus-lymphoid tissue antigen and its presence in leukaemia and lymphoma. Yata J, et al.
Clin Exp Immunol 7:781-92, Dec 70

H-2 immunogenicity of various tissue extracts as detected by growth of an allogeneic tumour. Hilgert I, et al. Folia Biol (Praha) 17:73-85, 1971

Thymus dependence of the immune response: response to the haptenic determinant NIP in mice. Aird J.
Immunology 20:617-24, Apr 71

The role of the recirculating thymus-dependent lymphocyte in resistance to Trichostrongylus colubriformis in the guinea-pig. Dineen JK, et al.
Immunology 20:109-13, Jan 71

Antigenic specificities of bursal and thymic lymphocytes in the chicken. Forget A, et al.
Immunology 19:465-8, Sep 70

Antibody formation by bone marrow cells in irradiated mice. I. Thymus-dependent and thymus-independent responses to sheep erythrocytes. Playfair JH, et al.
Immunology 21:113-21, Jul 71

Anti-thymocyte serum effects on Plasmodium berghei infection in rats. Spira DT, et al.
Immunology 19:759-66, Nov 70

Thymus resurrected. Chandra RK.
Indian J Pediatr 37:220-1, May 70

Immunologic studies of a spontaneous syngeneic tumor-host system. II. Specific immune tolerance and adoptive tolerance by thymic grafts. Abdou NI, et al.
Int Arch Allergy Appl Immunol 34:589-96, 1968

Studies on the lymphocytes in the intestinal epithelium of the chicken. 3. Effect of thymectomy. Bäck O.
Int Arch Allergy Appl Immunol 39:192-200, 1970

Immunoglobulin determinants on mouse lymphocytes from blood, lymph nodes, bone marrow and thymus. Coombs RR, et al.
Int Arch Allergy Appl Immunol 39:280-91, 1970

The skin--a first level lymphoid organ? Fichtelius KE, et al. Int Arch Allergy Appl Immunol 41:13-5, 1971

Variations in the development of cellular immune reactivity of thymus cells and spleen cells in young inbred mice. Lemmel EM, et al.
Int Arch Allergy Appl Immunol 40:613-9, 1971

The immune response of normal, irradiated and thymectomized mice to fowl immunoglobulin G as detected by a hemolytic plaque technique. Miller JF, et al. Int Arch Allergy Appl Immunol 40:58-71, 1971

Suppression of spontaneous autoimmune thyroiditis in obese strain (OS) chickens with anti-bursa and anti-thymus sera. Wick G, et al.
Int Arch Allergy Appl Immunol 40:803-12, 1971

Affinity of radioiodinated bovine serum albumin for lymphoid cells. 3. Further experiments with cells of normal animals. Naor D, et al.
Isr J Med Sci 6:519-22, Jul-Aug 70

Naturally-occurring autoantibodies to mouse thymocytes. Raff MC. Isr J Med Sci 7:724-6, Jun 71

Mouse mammary tumorigenesis by mammary tumor virus in the absence of thymus, spleen or both organs. Squartini F. Isr J Med Sci 7:26-35, Jan 71

Increased incidence of spontaneous lung adenomas in mice following neonatal thymectomy. Trainin N, et al.
Isr J Med Sci 7:36-41, Jan 71

Reaction of a rabbit antihuman thymic lymphocyte serum with leukaemic blast cells. Humble JG.
J Clin Pathol 24:477, Jul 71

Mechanisms of recovery from a generalized viral infection: mousepox. I. The effects of anti-thymocyte serum. Blanden RV. J Exp Med 132:1035-54, Nov 70

Thymus-marrow immunocompetence. V. Hydrocortisone-resistant cells and processes in the hemolytic antibody response of mice. Cohen JJ, et al.
J Exp Med 133:1028-34, 1 May 71

A cellular deficit in the reconstitutive capacity of immune populations of lymphoid cells demonstrable in studies of delayed hypersensitivity in mice. Evidence for thymus-bone marrow cell synergism. Eidinger D, et al. J Exp Med 133:1061-73, 1 May 71

The relationship between antigenic structure and the requirement for thymus-derived cells in the immune response. Feldmann M, et al.
J Exp Med 134:103-19, 1 Jul 71

Induction of a hemolysin response in vitro. II. Influence of the thymus-derived cells during the development of the antibody-producing cells. Hartmann KU.
J Exp Med 133:1325-33, 1 Jun 71

The effect of heterologous anti-lymphocyte serum on lymphocytes of thymus and marrow origin. Jeejeebhoy HF. J Exp Med 132:983-75, Nov 70

Cell-to-cell interaction in the immune response. VI. Contribution of thymus-derived cells and antibody-forming cell precursors to immunological memory. Miller JF, et al. J Exp Med 134:66-82, 1 Jul 71

Contribution of bone marrow cells and lack of expression of thymocytes in genetic controls of immune responses for two immunopotent regions within poly-(Phe,Glu)-poly-Pro--poly-Lys in inbred mouse strains. Mozes E, et al.
J Exp Med 134:141-61, 1 Jul 71

Antigen-binding cells in mice immune or tolerant to Escherichia coli polysaccharide. Sjöberg O.
J Exp Med 133:1015-25, 1 May 71

The G-IX system. A cell surface allo-antigen associated with murine leukemia virus; implications regarding chromosomal integration of the viral genome. Stockert E, et al. J Exp Med 133:1334-55, 1 Jun 71

Surface antigens of immunocompetent cells. I. Effect of theta and PC.1 alloantisera on the ability of spleen cells to transfer immune responses. Takahashi T, et al.
J Exp Med 132:1181-90, 1 Dec 70

Studies on some physicochemical properties of a thymus humoral factor conferring immunocompetence on lymphoid cells. Trainin N, et al. J Exp Med 132:885-97, Nov 70

Evidence for thymic dependence of PHA-reactive cells in spleen and lymph nodes and independence in bone marrow. Blomgren H, et al.
J Immunol 106:835-41, Mar 71

Reappearance and relative importance of immunocompetent cells in the thymus, spleen and lymph nodes following lethal x-irradiation and bone marrow reconstitution in mice. Blomgren H, et al.
J Immunol 106:831-4, Mar 71

CCombined effect of phytohemagglutinin and antithymocyte serum on skin xenograft survival in mice. Chen CM, et al. J Immunol 107:601-2, Aug 71

Deficient IgA antibody responses to arsanilic acid bovine serum albumin (BSA) in neonatally thymectomized rabbits. Clough JD, et al.
J Immunol 106:1634-9, Jun 71

Immune response to alloantigens of thymus studied in mice with plaque assay. Fuji H, et al.
J Immunol 106:56-64, Jan 71

Effect of thymus-derived lymphocytes on amount and affinity of anti-hapten antibody. Gershon RK, et al.
J Immunol 106:872-4, Mar 71

Antigenic competition between heterologous erythrocytes. I. Thymic dependency. Gershon RK, et al. J Immunol 106:1524-31, Jun 71

Ontogenesis of cell-mediated immunity in murine thymocytes and spleen cells and its acceleration by thymosin, a thymic hormone. Goldstein AL, et al.
J Immunol 106:773-80, Mar 71

Inability of the NZB-NZW F 1 thymus to transfer cyclophosphamide-induced tolerance to sheep erythrocytes. Jacobs ME, et al.
J Immunol 107:359-64, Aug 71

Independent action of thymus and bone marrow cells during the secondary response of direct plaque-forming cells. Jehn UW, et al.
J Immunol 106:946-50, Apr 71

Variable effects of anti-lymphocyte serum on humoral

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

antibody formation: role of thymus dependency of antigen. Kerbel RS, et al. J Immunol 106:917-26, Apr 71
Immune response to hemocyanin in normal, thymus-deprived and reconstituted mice. Krüger J, et al. J Immunol 106:1085-73, Apr 71
Induction of antigenic competition with thymus-dependent antigens: effect on DNA synthesis in spleen cells. Möller G. J Immunol 106:1566-71, Jun 71
Selective inhibition of plaque-forming cells by bursa-specific antisera. Potworowski EF, et al. J Immunol 106:1416-7, May 71
The in vitro effects of goat antisera to rabbit thymocyte subcellular fractions. Sell S, et al. J Immunol 105:1569-74, Dec 70
Natural and antibody-induced adherence of guinea pig phagocytic cells to autologous and heterologous thymocytes. Siegel I. J Immunol 105:879-85, Oct 70
Antibody responses to two synthetic polypeptides: the role of the thymic epithelial reticulum. Tyan ML, et al. J Immunol 105:1190-3, Nov 70
Thymus dependency of the immune response to hemocyanin: an evaluation of the role of macrophages in thymectomized mice. Unanue ER. J Immunol 105:1339-43, Dec 70
Plaque-forming cells of two different origins in single hemolytic foci. Vann DC, et al. J Immunol 105:1584-6, Dec 70
Antigenic markers on cells leaving calf thymus by way of the efferent lymph and venous blood. Williams RM, et al. J Immunol 106:1143-6, May 71
Augmentation of PHA responsiveness in mixed thymus-marrow cultures. Winkelstein A. J Immunol 107:195-200, Jul 71
Effect of heterologous antithymocyte serum on mouse skin tumorigenesis. Haran-Ghera N, et al. J Natl Cancer Inst 46:103-12, Jan 71
The induction of autologous immune-complex nephritis in neonatally thymectomised rats. Barabas AZ, et al. J Pathol 101:157-62, Jun 70
Histopathological effects of type-specific antilymphocyte globulin. Alexander JW, et al. J Surg Res 11:74-84, Feb 71
Comparison of the immunosuppressive effect of IgG and IgM fractions of rabbit anti-mouse thymocyte serum. Kurosawa T, et al. Jap J Exp Med 41:363-7, Aug 71
Studies on target cell destruction. Kikuchi K. Jap J Med Sci Biol 24:193-4, Jun 71
Cellular immunity induced by rous sarcoma virus in Japanese quail. II. Effect of thymectomy and bursectomy on oncogenesis of rous sarcoma virus. Yamanouchi K, et al. Jap J Med Sci Biol 24:1-8, Feb 71
Cooperating and controlling functions of thymus-derived lymphocytes in relation to autoimmunity. Allison AC, et al. Lancet 2:135-40, 17 Jul 71 (56 ref.)
Immunosurveillance and cancer. Papatestas AE, et al. Lancet 2:1092, 21 Nov 70
Specific in vitro cytotoxicity of thymus-derived lymphocytes sensitized to alloantigens. Cerottini JC, et al. Nature (Lond) 228:1308-9, 26 Dec 70
Participation of theta-bearing cell in an in vitro assay of transplantation immunity. Lonai P, et al. Nature (Lond) 229:566-7, 19 Feb 71
Mouse specific bone marrow-derived lymphocyte antigen as a marker for thymus-independent lymphocytes. Raff MC, et al. Nature (Lond) 230:50-1, 5 Mar 71
Specific inactivation of thymus-derived (T) and non-thymus-derived (B) lymphocytes by 125I-labelled antigen. Basten A, et al. Nature [New Biol] 231:104-6, 26 May 71
Antigen binding cells in embryonic chicken bursa and thymus. Dwyer JM, et al. Nature [New Biol] 229:210-1, 17 Feb 71
Cytotoxic lymphocytes from rats depleted of thymus processed cells. Harding B, et al. Nature [New Biol] 232:80-2, 21 Jul 71
Separate thymus dependent and thymus independent antibody forming cell precursors. Playfair JH, et al. Nature [New Biol] 231:149-51, 2 Jun 71
Immunologic studies of the fetal allograft. Gusdon JP Jr. Obstet Gynecol 37:192-204, Feb 71
The role of thymus in the immunological response of the draining lymph node in rats with adjuvant-induced polyarthritis. II. Autoradiographic investigations on immunological reactivity of the lymphoid cells. Dąbrowski M. Pol Med J 9:908-13, 1970
The role of thymus in the immunological response of the draining lymph node in rats with adjuvant-induced polyarthritis. I. Morphology and kinetics of cytological changes. Dąbrowski M. Pol Med J 9:898-907, 1970
Preliminary studies on antithymocyte globulin. Orlowski T, et al. Pol Med J 10:400-7, 1971
Transplants of glandular tissues for the development of tolerance in birds. Kendall AG, et al. Poult Sci 50:270-3, Jan 71
Natural thymocytotoxic autoantibody and reactive antigen in New Zealand black and other mice. Shirai T, et al. Proc Natl Acad Sci USA 68:1412-5, Jul 71
The thymus and circulating lymphocytes of mice. Doenhoff MJ, et al. Proc R Soc Lond [Biol] 176:69-85, 13 Oct 70
Lymphocyte cooperation. Lachmann PJ. Proc R Soc Lond [Biol] 176:425-6, 12 Jan 71
The carrier effect and cellular cooperation in the induction of antibodies. Rajewsky K. Proc R Soc Lond [Biol] 176:385-92, 12 Jan 71
Hapten competition and the nature of cell-cooperation in the antibody response. Taylor RB, et al. Proc R Soc Lond [Biol] 176:393-418, 12 Jan 71
Superiority of antithymus serum to antilymphocyte serum in prolonging cardiac homograft survival. Lueker RD, et al. Proc Soc Exp Biol Med 137:139-41, May 71
Differential stimulation of mouse lymphoid cells by phytohemagglutinin and pokeweed mitogen. Stockman GD, et al. Proc Soc Exp Biol Med 136:980-2, Mar 71
The concept of immunological surveillance. Burnet FM. Progr Exp Tumor Res 13:1-27, 1970 (73 ref.)
Marrow-derived thymus precursor cells. Availability and potential for reseeding bone marrow. Order S, et al. Radiology 99:177-83, Apr 71
Inhibition of the graft-versus-host reaction by thymus-specific antibodies. Potworowski EF, et al. Rev Eur Etud Clin Biol 16:155-7, Feb 71
The in vivo distribution of heterologous antithymocyte serum. O'Kane H, et al. Rev Surg 28:295-6, Jul-Aug 71
Kinetic differences in unresponsiveness of thymus and bone marrow cells. Chiller JM, et al. Science 171:813-5, 26 Feb 71
Immunocompetent cells among mouse thymocytes: a minor population. Leckband E, et al. Science 172:1258-60, 18 Jun 71
Cell surface antigens: serial sectioning of single cells as an approach to topographical analysis. Stackpole CW, et al. Science 172:472-4, 30 Apr 71
The central lymphoid tissues of rabbits. II. Functional and morphologic studies in adult animals. McKneally MF, et al. Surgery 69:345-53, Mar 71
The central lymphoid tissues of rabbits. I. Functional studies in newborn animals. McKneally MF, et al. Surgery 69:166-74, Feb 71
Growth of Sarcoma 180 in mice treated with combinations of thymus antiserum and chloramphenicol. Anigstein L, et al. Tex Rep Biol Med 29:1-11, Spring 71
The role of thymus-derived lymphocytes in protective immunity to malaria. Brown KN, et al. Trans R Soc Trop Med Hyg 65:7, 1971
Enhanced susceptibility of thymectomized mice to infection with Leishmania tropica. Preston PM, et al. Trans R Soc Trop Med Hyg 65:18, 1971
The effect of immuno-depression due to neonatal thymectomy on infections with Trypanosoma cruzi in mice. Schmunis GA, et al. Trans R Soc Trop Med Hyg 65:89-94, 1971
Ly-C: a third locus specifying alloantigens expressed only on thymocytes and lymphocytes. Boyse EA, et al. Transplantation 11:351-3, Mar 71
Restoration of thymectomized irradiated mice by frozen and stored thymus grafts. Cheers C, et al. Transplantation 10:505-11, Dec 70
[Induction of skin-sensitizing antibody to horse gamma-globulin by a horse antimouse thymocyte serum. Kind LS, et al. Transplantation 11:489-91, May 71
Cooperation of lymphoid cells in an in vitro graft reaction system. The role of the thymus cell. Lonai P, et al. Transplantation 10:372-81, Nov 70
Distribution of antigens reactive with rabbit antirat thymic cell serum. Oliver CB, et al. Transplantation 11:412-4, Apr 71
The influence of adult thymectomy on immunological competence as measured by the mixed lymphocyte reaction. Robson LC, et al. Transplantation 11:465-70, May 71
The immunosuppressive effect of antilymphocyte sera produced by sensitization with different lymphoid tissues. Sterling WA, et al. Transplantation 10:297-301, Oct 70
Purification and in vitro properties of antihuman and anti-macaca thymocyte IgG, comparison of prolonged and pulse immunization, and the use of macaca thymocytes to conserve human antigen. Svehag SE, et al. Transplantation 11:274-87, Mar 71
Thymus-influenced immunological maturation of embryonic liver cells. Umiel T. Transplantation 11:531-5, Jun 71
[Pathogenesis of myasthenia] Depieds H. Ann Chir 25:524-5, May 71 (Fre)
[Comparative hematological effects of anti-thymus and anti-lymph node immunoglobulins in rats] Aschkenasy A, et al. Ann Inst Pasteur (Paris) 119:557-71, Nov 70 (Fre)
[The thymus in experimental parasitology] Pothier MA. Bull Soc Pathol Exot 62:1132-6, Nov-Dec 69 (Fre)
[Studies on the origin of cells forming spontaneous rosettes] Bach JF, et al. C R Acad Sci [D] (Paris) 272:1318-9, 1 Mar 71 (Fre)
[Durable protective action of thymocyte anti-membrane hetero-antibodies on skin grafts in the rat] Grabar P, et al. C R Acad Sci [D] (Paris) 271:1914-5, 23 Nov 70 (Fre)
[Standardization of antilymphocyte serum] Bainer H, et al. Progr Immunobiol Stand 4:214-24, 1970 (Fre)
[The reactivity of the thymus gland] Keller M, et al. Folia Haematol (Leipz) 94:214-22, 1970 (Ger)
[Cell proliferation in the thymus after repeated subcutaneous application of Freund's adjuvant] Backmann R, et al. Verh Dtsch Ges Pathol 54:243-7, 1970 (Ger)
[Immunohistological studies on the distribution of heterologous antithymocyte globulin] Krause PH. Verh Dtsch Ges Pathol 54:229-31, 1970 (Ger)
[Thymus and ulcerative colitis] Schmid KO. Verh Dtsch Ges Pathol 54:313-9, 1970 (Ger)
[Lymph node changes after local injection of heterologous antithymocytic and antimacrophage sera] Thiede A, et al. Verh Dtsch Ges Pathol 54:218-22, 1970 (Ger)
[Influence of thymectomy, splenectomy and cortisone on cancerogenesis] Della Porta G, et al. Tumori 56:121-35, Mar-Apr 70 (Ita)
[Thymic changes following long-term antigenic stimulation. 2. Histologic changes in the thymus after repeated injections of typhoid-paratyphoid vaccine plus Freund's adjuvant or adjuvant alone] Teranaka M. Acta Med (Fukuoka) 40:351-60, Aug 70 (Jap)
[Thymic changes following long-term antigenic stimulation. 1. Thymic reaction following allogenic tissue grafting] Teranaka M. Acta Med (Fukuoka) 40:339-50, Aug 70 (Jap)
[Thymus-lymphatic system and immunity] Takeya K. Iryo 24:684-92, Sep 70 (Jap)
[Immunological and hematological effects of anti-thymocyte serum and anti-bone marrow cell serum] Yokoro K, et al. Saishin Igaku 26:1502-12, 10 Aug 71 (Jap)
[Myasthenia gravis. Immunologic aspects] Aarli JA. Tidsskr Nor Laegeforen 91:819-21, 20 Apr 71 (Nor)
[Effects of calf thymus extract on human peripheral blood lymphocytes growing in vitro] Kmieciak M, et al. Folia Morphol (Warsz) 30:301-9, 1971 (Pol)
[Preliminary studies of the antithymocyte globulin] Orlowski T, et al. Pol Arch Med Wewn 45:237-44, 1970 (Pol)
[Influence of the thymus on lymphocytes] Szabuniewicz B. Przegl Lek 26:793-4, 1970 (Pol)
[Role of the thymus in the immunological response of the draining lymph node in rats with adjuvant-induced polyarthritis. II. Autoradiographic studies of the immunological reactivity of lymph cells] Dąbrowski M. Reumatologia 8:239-45, 1970 (Pol)
[Problems of general and parasitic immunology. II. Central and lymphoid organs, bursectomy, thymectomy and splenectomy in parasitic infections. Role of lymphocytes and macrophages] Kozar Z. Wiad Parazytol 17:113-40, 1971 (Pol)
[Suppresion of the gel precipitation reaction with distribution of antigens in adjacent depressions] Chechik BE. Biull Eksp Biol Med 66:89-71, Sep 68 (Rus)
[Antigenic differences in thymocytes and lymphocytes] Medunitsyn NV. Biull Eksp Biol Med 68:80-3, Aug 69 (Rus)
[The interrelationship between the adrenal cortex and the thymus gland in regulating bodily immunologic homeostasis] Valueva TK, et al. Patol Fiziol Eksp Ter 14:79-83, Nov-Dec 70 (63 ref.) (Rus)
[Significance of hypertrophy of the thymus gland in young children] Cheburkin AV, et al. Pediatriia 49:47-51, Oct 70 (Rus)
[Immunologic characteristics of the thymus] Medunitsyn NV. Vestn Akad Med Nauk SSSR 26:33-6, 1971 (Rus)
[Hemato-thymus barrier and immunologic reactivity of the organism] Kovalev IE, et al. Zh Mikrobiol Epidemiol Immunobiol 48:85-90, May 71 (28 ref.) (Rus)
[Characteristics of antilymphocyte serum prepared with spleen- or thymus cells] Collste LG, et al. Nord Med 86:919-20, 29 Jul 71 (Swe)
[Role of thymus and adrenal glands in autoimmune thyroiditis in guinea pigs with adjuvant inflammation of the thyroid gland] Malizhev VO. Fiziol Zh 16:548-52, Jul-Aug 70 (Ukr)

INNERVATION

Quantitative electron microscopic studies on the innervation of the human thymus. Pfoch M, et al. Z Zellforsch Mikrosk Anat 119:115-9, 1971

METABOLISM

Biochemical and histochemical studies on foetal thymus. Schindler AE, et al. Acta Endocrinol [Suppl] (Kbh) 155:129, 1971
An autoradiographic study of the normal decay of lymphoid cells in the mouse thymus. Claësson MH. Acta Pathol Microbiol Scand [A] 78:556-64, 1970
Quantitative relationship between release and intrathymic death of lymphocytes. Ernström U, et al. Acta Pathol Microbiol Scand [A] 78:363-3, 1970
Initiation of DNA synthesis in rat thymus: correlation of calcium-dependent initiation in thymocytes and in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

isolated thymus nuclei. Burgoyne LA, et al. Biochem Biophys Res Commun 39:918-22, 5 Jun 70
Differential response of mitochondrial and nuclear DNA syntheses to hydroxyurea in normal and regenerating rat liver. Baugnet-Mahieu L, et al. Biochem Pharmacol 20:141-9, Jan 71
Mechanism of "biochemical shock"--II. Direct demonstration of mixed disulfide involvement in the inhibition of deoxycytidine formation in rat thymus in vivo. Filippovich IV, et al. Biochem Pharmacol 20:135-9, Jan 71
On the site of cortisol inhibition of thymus ribonucleic acid synthesis. Gabourel JD, et al. Biochem Pharmacol 20:385-95, Apr 71
The binding of Escherichia coli RNA polymerase to rabbit thymus deoxyribonucleoprotein. Carroll RB, et al. Biochim Biophys Acta 217:373-83, 15 Oct 70
Methylation of DNA in vivo by thymus, spleen, and liver of the rat. Seemayer G. Biochim Biophys Acta 224:10-20, 12 Nov 70
Alterations in the phosphorylation of (3H)uridine and RNA synthesis in rat thymus cells after glucose depletion and treatment with prednisolone. Drews J, et al. Eur J Biochem 16:541-8, Nov 70
The influence of iodoacetate on the mechanism of nuclear glucose oxidation. Konings AW. Experientia 27:253-4, 15 Mar 71
Organ localization of intravenously administered HSA I-131 in chickens. Krejčí J, et al. Folia Microbiol (Praha) 15:330-6, 1970
Proliferative activity in the lymphatic tissues of germ-free New Zealand black mice. Denman AM, et al. Int J Cancer 6:108-22, 15 Jul 70
Evidence for irreversible, actinomycin D-sensitive, and temperature-sensitive steps following binding of cortisol to glucocorticoid receptors and preceding effects on glucose metabolism in rat thymus cells. Mosher KM, et al. J Biol Chem 246:654-9, 10 Feb 71
Metabolic effects of nucleosides in rat thymus cells in vitro. Thomson MJ, et al. J Cell Physiol 77:17-30, Feb 71
Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. II. Nucleic acid content and synthesis in lymph nodes, spleen, and thymus. Edwards AJ, et al. J Natl Cancer Inst 47:313-20, Aug 71
The effect of cortisol on viability and glucose uptake in rat thymocytes in vitro. Stuart JJ, et al. Proc Soc Exp Biol Med 136:1146-50, Apr 71
Nonpreferential uptake of antithymus globulin in canine renal allografts. O'Kane HO, et al. Transplantation 9:429-31, Apr 70
[Analysis of thymus metabolic products with SMA-12 in experimental leukemia] Souadjian JV, et al. Union Med Can 100:755-6, Apr 71 (Fre)
[Effect of glucocorticoids on decomposition of deoxyribonucleoproteins in lymphoid cells in vivo and in vitro] Ermolaeva NV, et al. Biokhimiia 35:1039-45, Sep-Oct 70 (Rus)
[Binding of beta-mercaptoethylamine S35 (MEA-S35) by cytoplasmic and karyolymph proteins of rat thymus cells in vivo] Filippovich IV, et al. Dokl Akad Nauk SSSR 195:225-8, 1970 (Rus)
[The effect of sulfhydryl protector and radiosensitizer on deoxycytidine formation in rat thymus tissue] Sheremet'evskaia TN, et al. Vopr Med Khim 16:437-40, Jul-Aug 70 (Rus)

MICROBIOLOGY

Electron microscopic study on acute thymic involution induced by polyoma virus infection. Imamura M, et al. J Natl Cancer Inst 47:289-99, Aug 71
[Presence of viral particles A, B and C in the organs of RIII-Dm-Se mice] Bucciarelli E, et al. Lav Ist Anat Istol Patol Perugia 30:57-72, 1970 (Ita)

PATHOLOGY

The thymus in infants dead from acute disorders. Thymus weight and cortico-medullary ratio. Stalsberg H. Acta Pathol Microbiol Scand [A] 79:37-42, 1971
The parathyroids in sudden, unexpected death in infants. Valdés-Dapena MA, et al. Acta Pathol Microbiol Scand [A] 79:228-32, 1971
Thymus involution in tumour-bearing hosts: mechanisms and possible significance. Kiricuță J, et al. Arch Geschwulstforsch 35:8-12, 1970
A histologic reappraisal of the thymus in myasthenia gravis. A correlative study of thymic pathology and response to thymectomy. Alpert LI, et al. Arch Pathol 91:55-61, Jan 71
Comparative ultrastructural studies on three thymic lesions. Kay S. Arch Pathol 90:416-22, Nov 70
Unilateral cervical thymic cyst. Ratnesar P. J Laryngol Otol 85:293-8, Mar 71
Changes in lymphoreticular tissues during growth of a murine adenocarcinoma. I. Histology and weight of lymph nodes, spleen, and thymus. Edwards AJ, et al. J Natl Cancer Inst 47:301-11, Aug 71
Quantitative morphologic studies of the thymus in hypernephroma. Hanash KA, et al. J Urol 105:488-90, Apr 71
[Thymus and myasthenia. Pathology of the thymus and myasthenia] Payan H, et al. Ann Chir 25:522-4, May 71 (Fre)
[Experimental thymitis, myocarditis and polymyositis. A contribution to the pathogenesis of myasthenia gravis Erb] Griss P, et al. Arch Kreislaufforsch 63:257-65, Nov-Dec 70 (Ger)
[Lymph follicles in the thymus in cases of ulcerative colitis] Cesnik H, et al. Langenbecks Arch Chir 328:128-38, 1971 (Ger)
[Thymus gland--non-neoplastic thymus diseases and thymic tumors] Yoshimatsu H. Jap J Thorac Surg 23:783-91, Nov 70 (Jap)
[Thymus: non-neoplastic thymic abnormalities and thymic tumors] Yoshimatsu H. Jap J Thorac Surg 23:861-75, Dec 70 (Jap)
[Radiation effects and regeneration processes in thymus and lymph node lymphoid tissue of rats after incorporation of cerium-144] Khussar IuP, et al. Dokl Akad Nauk SSSR 185:1368-71, 21 Apr 69 (Rus)
[Morphologic changes in the thymus gland in cancer] Ageev AK. Vopr Onkol 16:3-7, 1970 (Rus)

PHYSIOLOGY

Effect of pineal body on thyroid-thymus correlations. 131-I uptake by rat thymus and salivary gland. Csaba G, et al. Acta Med Acad Sci Hung 27:183-9, 1970
Effects of thymectomy upon the formation of Fóa-Kurloff cells in the guinea pig. Ranlov P, et al. Acta Pathol Microbiol Scand [B] 78:330-2, 1970
Immune response of thymectomized and bursectomized chickens to Syngamus trachea infection. Varga I. Acta Vet Acad Sci Hung 21:107-10, 1971
Acute radiation injury in neonatally thymectomized germ-free mice. Hematopoietic and morphologic consequences. Doughty WE, et al. Arch Pathol 91:119-26, Feb 71
The growth and development of lambs thymectomized in utero. Cole GJ, et al. Aust J Exp Biol Med Sci 49:33-53, Feb 71
Tumor-specific immunity in the course of primary polyoma and Rous tumor development in intact and immunosuppressed rats. Sjögren HO, et al. Cancer Res 31:890-900, Jun 71
Thymus-dependent and thymus-independent populations: origin, migratory patterns and lifespan. Parrott DM, et al. Clin Exp Immunol 8:863-84, May 71
The response of normal, thymectomized and reconstituted mice in contact sensitivity. Parrott DM, et al. Clin Exp Immunol 7:387-93, Sep 70
The effect of bursectomy, thymectomy and x-irradiation on the incidence of precipitating liver and kidney auto-antibodies in chickens of the obese strain (OS). Wick G. Clin Exp Immunol 7:187-99, Aug 70
Effect of combined removal of thymus and pituitary on post-natal ovarian follicular development in the mouse. Nishizuka Y, et al. Endocrinology 89:902-3, Sep 71
Thymus gland and heparin influences on renal electrolyte excretion in male hooded rats. Martin CR. Gen Comp Endocrinol 15:339-51, Oct 70
Studies on the relationship between thymus regeneration and lymphoma prevention in C57Bl-6 mice irradiated and injected with syngeneic spleen cells. Chen L. Int J Cancer 7:491-8, 15 May 71
Effect of thymectomy on growth, hematology, and immunological response of dairy calves. Guidry AJ, et al. J Dairy Sci 54:100-5, Jan 71
Cellular recognition in vitro by mouse lymphocytes. Effects of neonatal thymectomy and thymus graft restoration on alloantigen and PHA stimulation of whole and gradient-separated subpopulations of spleen cells. Takiguchi T, et al. J Exp Med 133:63-80, 1 Jan 71
Immunopathology of Leishmania tropica infection in thymectomised mice. Preston PM, et al. J Med Microbiol 4:piv-Pv, May 71
Hematocrits, growth, and mortality in surgically bursectomized and thymectomized chickens iected with Eimeria tenella. Rouse TC, et al. J Parasitol 57:40-8, Feb 71
Identification of thymic-dependent lymphocytes. Pompidou A, et al. Lancet 2:245, 31 Jul 71
Subcutaneous tumours induced by Bryan strain chicken Rous sarcoma in thymectomized and ALS-treated hamsters. De Halleux F. Neoplasma 18:33-9, 1971
Cells involved in the immune response. XIX. Failure of thymectomy to influence the antigen-reactive and antibody-forming cell populations in the adult rabbit. Abdou NI, et al. Pathol Microbiol (Basel) 37:73-83, 1971
The influence of thymectomy and steroid hormones in neonatal rats. Zbuzkova V, et al. Proc Soc Exp Biol Med 135:874-7, Dec 70
Influence of splenectomy on thymic release of lymphocytes into the blood. Ernström U, et al. Scand J Haematol 7:342-8, 1970
The function of the thymus. Havard CW. Trans Med Soc Lond 86:87-96, 1970
Preservation of compensatory renal growth in thymectomized mice. Bump S, et al. Transplantation 8:750-1, Nov 69
Demyelinative lesions in spinal cord of mouse following neonatal thymectomy. An electron microscopic study. Field EJ, et al. Z Neurol 198:93-104, 1970
[Interaction between thymic and medullary cells of mice; influence of the line of origin of the thymic cells] Umaly RC, et al. C R Acad Sci [D] (Paris) 272:1917-9, 5 Apr 71 (Fre)
[Modification of the methyl green-pyronine stain for studies on the function of the reticuloepithelial cells of the thymus] Ertl N. Verh Dtsch Ges Pathol 54:338-9, 1970 (Ger)
[Experimental study on the thymus and lymphatic system regulating factor in the mouse submandibular gland] Takeda T. Bull Chest Dis Res Inst Kyoto Univ 3:130, Mar 70 (Jap)
[Uptake of tritium labelled 3H-thymidine by the tonsil of neonatally thymectomized rabbits] Suzuki M. J Otolaryngol Jap 73:1808-20, Nov 70 (Jap)
[Reaction to skin homografts in thymectomized rats] Abuladze AV. Biull Eksp Biol Med 67:72-4, 1969 (Rus)
[Effect of early thymectomy on the development of an isologous transplanted mammary gland tumor in C3H mice] Gruntenko EV, et al. Dokl Akad Nauk SSSR 186:1217-20, 11 Jun 69 (Rus)
[Effect of early thymectomy on the colony-forming ability of spleen cells in mice of CBA line] Kozlov VA, et al. Dokl Akad Nauk SSSR 196:708-10, 21 Jan 71 (Rus)
[Seasonal rhythm of the pituitary-adrenal system] Golikov PP. Zh Obshch Biol 31:106-10, Jan-Feb 70 (Rus)

PHYSIOPATHOLOGY

The effect of thymectomy, hemi-thymectomy and sham thymectomy on experimental myasthenia gravis in guinea-pigs. Kalden JR, et al. Clin Exp Immunol 6:519-30, Apr 70
Parathyroidectomy and the induction of thymic atrophy in normal, adrenalectomized and orchidectomized rats. Perris AD, et al. J Cell Physiol 76:141-9, Oct 70

RADIATION EFFECTS

Abscopal radiation damage to chick thymus and bursa of Fabricius. Montour JL. Acta Radiol [Ther] (Stockh) 10:150-60, Feb 71
Pathologic effects of different doses of radiostrontium in mice. Changes in the haematopoietic system. Nilsson A. Acta Radiol [Ther] (Stockh) 9:528-44, Dec 70
The effect of whole body irradiation on thymic and ovarian cell depletion in mice: a study of non-reproductive cell death. Lindop PJ, et al. Br J Radiol 44:235-6, Mar 71
The influence of the bone marrow on the repopulation of the thymus in x-irradiated mice. Blomgren H. Exp Cell Res 58:353-64, Dec 69
Nucleic acid metabolism in rat thymocytes x-irradiated in vitro. Geraci JP, et al. Exp Cell Res 65:368-76, Apr 71
Neoplasms after childhood irradiation of the thymus gland. Janower ML, et al. JAMA 215:753-6, 1 Feb 71
Neoplasms after childhood irradiation of the thymus. Schwarz GS. JAMA 216:520, 19 Apr 71
Strain and substrain differences in the recovery of thymus function after whole-body x-irradiation of mice. Takada Y, et al. Proc Soc Exp Biol Med 135:473-7, Nov 70
Radiation studies on mice of a naturally tumor-resistant strain (X-Gf). Nucleolar morphology of thymic lymphocytes differing in radiosensitivity. Potmesil M, et al. Radiat Res 46:394-408, May 71
Bone marrow, spleen, and thymus regeneration patterns in mice after whole-body irradiation. Takada A, et al. Radiat Res 45:522-35, Mar 71
Marrow-derived thymus precursor cells. Availability and potential for reseeding bone marrow. Order S, et al. Radiology 99:177-83, Apr 71
[Lymphoid regeneration of hematopoietic marrow in mice subjected to whole-body irradiation of 400 R followed by a local irradiation of the thymus] Haot J de. C R Soc Biol (Paris) 164:2150-2, 1970 (Fre)
[Anatomo-pathological contribution to the study of the relation between myasthenia and the thymus gland, with reference to the results of roentgenotherapy of the thymus region by to Bollini's technic] Mercuriali A. G Psichiatr Neuropatol 97:731-68, 1969 (Ita)
[Changes of the lymphocytes and thymus response under the long-term irradiation of the peripheral blood with 32P] Kojima M, et al. Saishin Igaku 26:1464-75, 10 Aug 71 (Jap)
[Changes in the localization of histones in thymus and liver nuclei in irradiated rats] Korol' BA, et al. Radiobiologiia 11:180-4, Mar-Apr 71 (Rus)
[Radiation disorder of ATP synthesis in the nucleus of cells of the thymus gland] Kuzin AM, et al. Radiobiologiia 9:755-7, Sep-Oct 69 (Rus)
[Effect of irradiation on glycolysis of isolated nuclei of thymus cells] Slozhenikina LV, et al. Radiobiologiia 9:686-91, Sep-Oct 69 (Rus)
[Primary changes in deoxynucleoprotein of rat thymus chromatin after gamma irradiation of the animals] Strazhevskaia NB, et al. Radiobiologiia 11:17-21, Jan-Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Radiology of the thymus. Kreel L.
Trans Med Soc Lond 86:96-103, 1970
[Indications for and technic of x-ray examination of the thymus gland] Deimer E.
Wien Klin Wochenschr 82:86-9, 30 Jan 70 (Ger)
[Radiographic picture of the thymus and its differentiation from primary tuberculosis. II. Picture of the thymus in pneumomedinastography] Rudnik I.
Gruzlica 38:1067-75, Oct 70 (Pol)
[Radiographic picture of the thymus and its differentiation from primary tuberculosis. I. Anatomy of the thymus and methods of examination] Rudnik I.
Gruzlica 38:1061-6, Oct 70 (Pol)
[Radiographic picture of the thymus and its differentiation from primary tuberculosis. 3. Radiographic picture of the thymus at various projections and the incidence of its visualization in children] Rudnik I. Gruzlica 38:1077-88, Oct 70 (Pol)

SURGERY

[Resuscitation in myasthenia gravis (reports of 14 cases)] D'Amico D, et al.
Acta Chir Ital 26:243-52, May-Jun 70 (Ita)
[Thymusectomy in myasthenia gravis] Ishigami K.
Jap J Thorac Surg 23:898-9, Dec 70 (Jap)

TRANSPLANTATION

Studies on the proliferation of thymus cells injected into syngeneic or allogeneic irradiated mice.
Blomgren H. Clin Exp Immunol 8:279-89, Feb 71
Renal disease in (NZB x NZW) F1 mice treated with antilymphocytic antibody. II. Effects of restoration with isogeneic, allogeneic, and xenogeneic lymphoid cells. Denman AM, et al.
Clin Exp Immunol 6:841-59, Jun 70
Thymus grafting in allogeneic radiation chimaeras. Hrsak I, et al. Immunology 20:909-18, Jun 71
Radioautographic study of cellular mechanisms in delayed hypersensitivity. IV. Distribution of injected lymph node, spleen, thymus and bone marrow cells. Kosunen TU. Immunology 19:117-24, Jul 70
Immunological deficiency syndrome in non-identical twins: maintenance in a gnotobiotic state and attempts at treatment with transplants of bone marrow and foetal thymus. Flad HD, et al.
Rev Eur Etud Clin Biol 16:328-34, Apr 71
Recent attempts at immunotherapy. White RG.
Scott Med J 16:280-9, Jun 71 (35 ref.)
Restoration of thymectomized irradiated mice by frozen and stored thymus grafts. Cheers C, et al.
Transplantation 10:505-11, Dec 70

THYMUS HYPERPLASIA (C9)

COMPLICATIONS

Thymic hyperplasia in Graves' disease. Van Herle AJ, et al. J Clin Endocrinol Metab 32:140-6, Feb 71

DIAGNOSIS

Thymic hyperplasia simulating mediastinal metastasis.
Hill CA, et al. Tex Med 66:78-81, Nov 70

DRUG THERAPY

[Thymus hypertrophy in the newborn. Effect of lysosome] Lévy JM, et al.
Ann Pediatr (Paris) 18:138-45, 2 Feb 71 (Fre)
[ACTH in the treatment of thymus hyperplasia in the infant] Pastorini M, et al.
Riv Clin Pediatr 82:227-38, Oct-Dec 69 (Ita)

PATHOLOGY

Comparative ultrastructural studies on three thymic lesions. Kay S. Arch Pathol 90:416-22, Nov 70

RADIOGRAPHY

Angiocardiography in huge hypertrophy of the thymus. Castellanos A, et al.
Am J Roentgenol Radium Ther Nucl Med 112:40-9, May 71
Thymic enlargement and pleural effusion: an unusual roentgenographic complex in childhood leukemia. Mainzer F, et al.
Am J Roentgenol Radium Ther Nucl Med 112:35-9, May 71

RADIOTHERAPY

[Anatomo-pathological contribution to the study of the relation between myasthenia and the thymus gland, with reference to the results of roentgenotherapy of the thymus region by to Bollini's technic] Mercuriali A. G Psichiatr Neuropatol 97:731-68, 1969 (Ita)

SURGERY

[Surgery of mediastinal cysts and neoplasms] Ovnatanian KT, et al.
Vestn Khir 105:16-20, Aug 70 (Rus)

THYMUS NEOPLASMS (C2)

Giant thymoma. Smith WF, et al. Chest 58:383-4, Oct 70
Reduced incidence of thymic lymphomas in AKR recipients of syngeneic marrow preincubated with bovine serum albumin. Uphoff DE.
J Natl Cancer Inst 44:1099-106, May 70
Thymoma of epithelial cell type with liver metastasis in a 9 year old boy. Akeda S, et al.
Mie Med J 20:151-6, Sep 70
[Tumors of the thymus. Report of 10 cases] Lacquet LK, et al.
Acta Tuberc Pneumol Belg 60:791-805, 1969 (Dut)
[Reticulo-thymocyte thymomas. Clinical and developmental aspects apropos of 80 operations] Levasseur P, et al.
Ann Chir Thorac Cardiovasc 10:329-37, Jul 71 (Fre)
[Discussion on thymomas] Renault P.
Ann Chir Thorac Cardiovasc 10:197, 1971 (Fre)
[Statistics of 144 lymphoepithelial thymomas] Galy P, et al.
J Fr Med Chir Thorac 25:193-200, Feb-Mar 71 (Fre)
[Thymus neoplasms in childhood] Oelsnitz G von der.
Langenbecks Arch Chir 322:1247-50, 1968 (Ger)
[Tumors of the lung, reticulum and breast in BALB-c Cb-Se mice descending from parents treated with urethane in the neonatal period] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 30:27-39, 1970 (Ita)
[Thymomas. I] Serrano Muñoz F, et al.
Rev Clin Esp 120:147-56, 31 Jan 71 (Spa)

CHEMICALLY INDUCED

Induction of thymic lymphosarcoma and mammary adenocarcinomas in rats by oral administration of the antitumor agent, 4 (5)-(3,3-dimethyl-1-triazeno) imidazole-5 (4)-carboxamide. Skibba JL, et al.
Cancer 26:1000-5, Nov 70
Repeated demonstration of a mouse leukemia virus after treatment with chemical carcinogens. Ball JK, et al. J Natl Cancer Inst 46:751-62, Apr 71
[Relations between mastocytes and experimental tumors induced with 7,12-dimethylbenz( )anthracene] Scelsi R, et al.
Riv Anat Patol Oncol 35:204-11, 1969 (Ita)
[Role of the immune system in the growth of an isotransplanted urethan-induced lymphosarcoma] Parmiani G, et al. Tumori 55:189-95, 1969 (Ita)

COMPLICATIONS

Granulomatous thymoma associated with erythroid hypoplasia. Remigio PA.
Am J Clin Pathol 55:68-72, Jan 71
Thymic conversion of Candida albicans from commensalism to pathogenism. Schoch EP Jr.
Arch Dermatol 103:311-9, Mar 71
Malignant thymoma associated with myasthenia gravis, and evidence of extrathoracic metastases. An analysis of published cases and report of a case. Guillan RA, et al. Cancer 27:823-30, Apr 71
Acquired pulmonary stenosis. Littler WA, et al.
Thorax 25:465-71, Jul 70
[Thymoma. Myasthenia. Auto-immune thyroiditis. Vesical papillomas. 2 clinical cases] Zoupanos G, et al.
Ann Chir Thorac Cardiovasc 10:191-6, 1971 (Fre)
[Paraneoplastic hypercorticism with melanoderma and asthenia of the Addison type and revealing cancer of the thymus gland] Gilbert-Dreyfus, et al.
Ann Med Interne (Paris) 121:57-60, Jan 70 (Fre)
[Malignant thymoma with hypercorticism. Clinical and biological study, both pre- and postoperative] Luton JP, et al.
Ann Med Interne (Paris) 121:61-74, Jan 70 (Fre)
[Erythroblastopenia; myasthenia: Hargraves' cells; thymic tumor. Study of a case with favorable prognosis] Siguier F, et al.
Ann Med Interne (Paris) 120:561-8, Aug-Sep 69 (Fre)
[Thymomas and hypogammaglobulinemia (2 new cases)] Turiaf J, et al.
Ann Med Interne (Paris) 121:855-65, Oct 70 (Fre)
[Ectopic corticotropic syndrome] Albeaux-Fernet M, et al. Annee Endocrinol 22:12-24, 1970 (Fre)
[Thymic tumors and immunologic, hematologic and paraneoplastic syndromes sometimes associated with them] Saegesser F, et al.
Lyon Chir 65:161-81, Mar-Apr 69 (Fre)
[Thymic tumors and associated syndromes] Zoupanos G. Rev Med Suisse Romande 91:99-121, Feb 71 (Fre)
[Association of thymoma, myasthenia, erythroblastopenic anemia and presence of LE cells in the blood in the same patient] Zoupanos G, et al.
Schweiz Med Wochenschr 100:1885-7, 31 Oct 70 (Fre)
[Acute mediastinal syndrome caused by malignant thymus neoplasms in children] Mancini AF, et al.
Clin Pediatr (Bologna) 52:51-79, Feb 70 (Ita)
[Autopsy case of septicemia due to Salmonella typhimurium associated with thymoma and abscess formation] Koga T, et al.
J Jap Assoc Infect Dis 45:218-21, Jun 71 (Jap)
[The thymus and myasthenia. II] Serrano Muñoz F, et al. Rev Clin Esp 120:199-206, 15 Feb 71 (Spa)
[Thymoma and autoimmune diseases] Hanngren A, et al. Lakartidningen 67:4935-40, 21 Oct 70 (Swe)
[Thymoma, hypogammaglobulinemia and "pure red cell anaemia"] Berlin SO, et al.
Nord Med 84:1576-1, 3 Dec 70 (Swe)

DIAGNOSIS

The occult thymoma: radiological and radioisotopic aids to diagnosis. Hare WS, et al.
Australas Ann Med 19:30-3, Feb 70
Thymoma; clinicopathologic observation. Takita H, et al. NY State J Med 70:2667-72, 1 Nov 70
[Thymus tumor with pseudo-Hodgkin structure] Chinaglia A, et al.
Arch Chir Torac Cardiovasc 26:85-102, Apr-Jun 69 (Ita)
[Case of mediastinal lymph node hyperplasia resembling thymoma] Nemoto H, et al.
Jap J Thorac Surg 23:826-9, Nov 70 (Jap)

ENZYMOLOGY

Absence of alkaline phosphatase in rat thymic lymphoma induced by murine leukemia virus. Doell RG, et al. Cancer Res 30:2456-7, Oct 70

FAMILIAL & GENETIC

The thymoma-prone (NZB X CFW) F1 mouse. Francis D, et al. J Pathol 103:183-93, Mar 71

IMMUNOLOGY

[Malignant thymoma with lymphocytopenia and IgM immunoglobulin] Lederer B, et al.
Verh Dtsch Ges Pathol 54:319-22, 1970 (Ger)
[Investigation on immunological aspects of paraneoplastic syndromes involving the central nervous system] Mielke F.
Verh Dtsch Ges Pathol 54:297-301, 1970 (Ger)
[Myasthenia gravis and immunologic reactions in a case of adenoma of the thymus] Hakalo Z, et al.
Przegl Lek 28:885-7, 1970 (Pol)

METABOLISM

[Adenoma of the thymus gland and secretion of ACTH--study of a case] Miura K, et al.
Saishin Igaku 26:1608-13, 10 Aug 71 (Jap)

PATHOLOGY

Lesions in aged germfree Wistar rats. Pollard M, et al.
Am J Pathol 61:25-36, Oct 70
Comparative ultrastructural studies on three thymic lesions. Kay S. Arch Pathol 90:416-22, Nov 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1-1971.
N Engl J Med 284:39-47, 7 Jan 71
Banded structures in the connective tissue of lymphomas, lymphadenitis, and thymomas. Mollo F, et al. Virchows Arch [Zellpathol] 7:356-66, 1971
[Thymoma with predominance of pseudorosettes] Wagner WC.
Schweiz Med Wochenschr 101:932-3, 26 Jun 71 (Fre)
[Thymolipoma] Csapó Z, et al.
Zentralbl Allg Pathol 113:401-8, 1970 (Ger)
[Significance of germinal center in the non-tumorous thymic tissue in myasthenia gravis with thymoma] Tsuchiya M, et al.
Adv Neurol Sci (Tokyo) 14:476-84, 1970 (Jap)
[Thymus gland--non-neoplastic thymus diseases and thymic tumors] Yoshimatsu H.
Jap J Thorac Surg 23:783-91, Nov 70 (Jap)
[Thymus: non-neoplastic thymic abnormalities and thymic tumors] Yoshimatsu H.
Jap J Thorac Surg 23:861-75, Dec 70 (Jap)
[Pathomorphology of thymomas] Kowalczykowa J, et al. Patol Pol 22:173-84, Apr-Jun 71 (Pol)

RADIOGRAPHY

The occult thymoma: radiological and radioisotopic aids to diagnosis. Hare WS, et al.
Australas Ann Med 19:30-3, Feb 70
Pleural metastases of thymoma. Jong J de, et al.
Folia Med Neerl 14:62-6, 1971
Radiology of the thymus. Kreel L.
Trans Med Soc Lond 86:96-103, 1970
[Selective thymic phlebography] Rémy J, et al.
J Fr Med Chir Thorac 23:873-84, Sep-Oct 69 (Fre)
[Abnormal cardiac silhouette and thymic tumors (11 cases)] Ferrané J, et al.
J Radiol Electrol Med Nucl 51:207-15, May 70 (Fre)
[A rare case of aberrant thymoma] Rill A.
Med Pregl 23:135-6, 1970 (Cro)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOTHERAPY

[Erythroblastopenia and immunoglobulin deficiency after cobalt therapy of a thymoma developing for 26 years] Souquet R, et al.
Poumon Coeur 26:1203-17, 1970 (Fre)
[Anatomo-pathological contribution to the study of the relation between myasthenia and the thymus gland, with reference to the results of roentgenotherapy of the thymus region by to Bollini's technic] Mercuriali A. G Psichiatr Neuropatol 97:731-68, 1969 (Ita)
[Role of the immune system in the growth of an isotransplanted urethan-induced lymphosarcoma] Parmiani G, et al. Tumori 55:189-95, 1969 (Ita)

SURGERY

Thymoma. Kilman JW, et al. Am J Surg 121:710-1, Jun 71
Myasthenia gravis appearing after removal of a thymoma. Report of a case and review of the literature. Azer MS, et al. Am Surg 37:109-13, Feb 71
Surgery for thymic tumors. Braitman H, et al. Arch Surg 103:14-6, Jul 71
Surgery of the thymus. Bernatz PE.
J Miss State Med Assoc 11:329-33, Dec 70
[Thymectomy] Dor J. Ann Chir 25:528-30, May 71 (Fre)
[Surgical aspects of thymus pathology] Cornet E, et al. Ann Chir Thorac Cardiovasc 8:765-75, Jul 69 (Fre)
[Tumors of the thymus] Nègre E, et al.
Ann Chir Thorac Cardiovasc 8:777-83, Jul 69 (Fre)
[Results of thymectomy in myasthenia gravis pseudoparalytica] Anders A, et al.
Med Welt 17:695-9, 24 Apr 71 (Ger)
[Surgical treatment of a teratoma of the thymus] Wyrwa E, et al. Pol Przegl Chir 43:111-3, Jan 71 (Pol)
[Thymus gland teratoma in a child] Ignat'ev BP. Vestn Khir 105:113, Aug 70 (Rus)

VETERINARY

Thymoma and pulmonary metastasis in a 12-year-old bull with chronic bloat. Norrdin RW.
Cornell Vet 60:617-22, Oct 70
Regression of bovine lymphosarcoma. Miller LD, et al. J Am Vet Med Assoc 158:1536-41, 1 May 71

THYROCALCITONIN (D8)

Thyrocalcitonin: a review. Berger AJ.
Bull Hosp Joint Dis 32:40-9, Apr 71 (52 ref.)
Calcitonin: A general review. MacIntyre I.
Calcif Tissue Res 1:173-82, 20 Dec 67 (47 ref.)
Secondary hyperparathyroidism produced in kittens repeatedly given porcine calcitonin. Indech M, et al. Endocrinology 88:1489-96, Jun 71
Endogenous parathyroid hormone response to thyrocalcitonin-induced hypocalcemia in the cow. Reitz RE, et al. Endocrinology 89:932-5, Sep 71
Thyrocalcitonin, a new chapter in human pathology. Milhaud G, et al. Isr J Med Sci 7:358, Mar 71
The immunochemistry of human calcitonin. Byfield PG, et al. J Endocrinol 48:v-vi, Sep 70
[Calcitonin] Lisá L.
Cesk Pediatr 25:537-40, Nov 70 (6 ref.) (Cze)
[Calcitonin] Orimo H.
J Jap Med Assoc 65:1125-41, May 71 (89 ref.) (Jap)
[Calcitonin--its role and significance in living organisms] Lorenc R, et al.
Pol Arch Med Wewn 46:363-9, 1971 (41 ref.) (Pol)
[Calcitonin, its biochemical properties] Lorenc R. Postepy Biochem 16:527-37, 1970 (Pol)
[Biological characteristics of highly purified ox thyrocalcitonin] Briskin AI, et al.
Dokl Akad Nauk SSSR 196:227-9, Jan-Feb 71 (Rus)
[Binding of thyrocalcitonin by individual components of carciac tissue] Stekol'nikov LI, et al.
Dokl Akad Nauk SSSR 195:1460-2, 1970 (Rus)
[Chemistry and biochemistry of thyrocalcitonin] Bulatov AA.
Probl Endokrinol (Mosk) 16:109-17, May-Jun 70 (144 ref.) (Rus)
[New findings concerning thyrocalcitonin] Aleshin BV. Usp Sovrem Biol 69:158-64, Jan-Feb 70 (39 ref.) (Rus)
[Calcitonin] López de Novales E.
Rev Clin Esp 115:363-70, 15 Dec 69 (97 ref.) (Spa)

ADMINISTRATION & DOSAGE

Comparison of human, porcine and salmon synthetic calcitonins in man and in the rat. Galante L, et al. Clin Sci 40:9P-10P, Mar 71
Calcitonin in human osteoporosis. Results of prolonged administration, assessed by metabolic balance and quantitative histologic techniques. Dambacher MA, et al. Isr J Med Sci 7:366, Mar 71
[Metabolic effects of prolonged administration of calcitonin in humans] Hioco D, et al.
Ann Endocrinol (Paris) 31:707-14, Jul-Aug 70 (Fre)
[Comparative effects of single-dose administration of synthetic calcitonin (human and salmon) in normal subjects and patients with Paget's disease or hypercalcemia] Langer B, et al.
Schweiz Med Wochenschr 101:69-80, 23 Jan 71 (Fre)

ADVERSE EFFECTS

Abnormal urinary sediment during therapy with synthetic salmon calcitonin. Hantman DA, et al. J Clin Endocrinol Metab 33:564-6, Sep 71

ANALYSIS

Ultrastructural localization of calcitonin in C-cells of dog thyroid; an immunocytochemical study. Kalina M, et al. Histochemie 26:1-8, 1971
Immunofluorescent localization of calcitonin in the ultimobranchial gland of Rana temporaria and Rana pipiens. Van Noorden S, et al.
Histochemie 26:95-7, 1971
Development of a radioimmunoassay for calcitonin. Buckle RM. J Endocrinol 49:8, Mar 71

ANTAGONISTS & INHIBITORS

The relationships between adrenal cortical steroids, parathyroid extract, and calcitonin. Eliel LP, et al. Pediatrics 47:Suppl 2:229+, Jan 71
[Inhibition of the hypocalcemic effect of thyrocalcitonin by its acetylated derivative] Stekol'nikov LI, et al.
Dokl Akad Nauk SSSR 196:475-7, 11 Jan 71 (Rus)

BIOSYNTHESIS

In vitro biosynthesis of calcitonin. Sorgente N, et al. Proc Soc Exp Biol Med 136:80-4, Jan 71

BLOOD

Calcitonin-effect of human blood plasma. I. Calcitonin-character of the calcium lowering plasma extract. Hollós I, et al.
Acta Med Acad Sci Hung 27:161-8, 1970
Calcitonin-effect of human blood-plasma. II. Plasma calcitonin activity in 18 subjects with normal calcium metabolism. Hollós I, et al.
Acta Med Acad Sci Hung 27:169-71, 1970
Medullary carcinoma of the thyroid with hypercalcitoninemia and hypocalcemia. Markovitz M. Ariz Med 28:26-7, Jan 71
Medullary thyroid carcinoma: a functional peptidesecreting tumour. Johnston CI, et al. Australas Ann Med 19:50-3, Feb 70
Plasma calcitonin in renal osteodystrophy. Chittal SM, et al. Can Med Assoc J 104:1098-100, 19 Jun 71
Plasma calcitonin in primary and secondary hyperparathyroidism. Mazzuoli GF, et al.
Isr J Med Sci 7:370, Mar 71
A sensitive new immunoassay for calcitonin employing labeled antibody. Colt EW, et al.
J Clin Endocrinol Metab 32:285-7, Feb 71
Plasma kinetics and acute effects of pharmacologic doses of porcine calcitonin in man. Riggs BL, et al. J Clin Endocrinol Metab 33:115-27, Jul 71
Plasma calcitonin activity in a patient with thyroid medullary carcinoma and her children with osteopetrosis. Verdy M, et al.
J Clin Endocrinol Metab 32:216-21, Feb 71
Plasma-calcitonin in disorders of thyroid function. Fraser SA, et al. Lancet 1:725-6, 10 Apr 71
[Besnier-Boeck-Schaumann sarcoidosis and calcitonin] Darnis F, et al. Presse Med 79:349, 13 Feb 71 (Fre)
[Thyroid medullary cancer: does the hyperthyrocalcitonin syndrome exist?] Milhaud G, et al. Probl Actuels Endocrinol Nutr 13:111-33, 1969 (Fre)
[The calcitonin-parathyroid hormone system after partial resection of the thyroid gland] Gasińska T. Endokrynol Pol 22:123-31, 1971 (Pol)

CEREBROSPINAL FLUID

[Physicochemical study of cerebrospinal fluid under the effect of thyrocalcitonin] Stekol'nikov LI, et al. Biofizika 14:921-5, Sep-Oct 69 (Rus)

CHEMICAL SYNTHESIS

[Human calcitonin. VI. Synthesis of calcitonin M] Sieber P, et al. Helv Chim Acta 53:2135-50, 1970 (Ger)

ISOLATION & PURIFICATION

Isolation and characterization of bovine thyrocalcitonin. Brewer HB Jr, et al.
J Biol Chem 245:4232-40, 10 Sep 70
[Isolation of pig's thyrocalcitonin by the tannin-caffeine method] Kubicz A.
Endokrynol Pol 21:559-63, Sep-Oct 70 (Pol)
[Partial purification of calcitonin by molecular filtration on Sephadex] Holak H, et al.
Pol Tyg Lek 25:1884-6, 7 Dec 70 (Pol)

METABOLISM

Changes in the thyroidal content of thyrocalcitonin produced by vitamin D in rats. Frankel S, et al. Endocrinology 88:267-70, Jan 71
Metabolic clearance rate of radioiodinated human calcitonin in man. Ardaillou R, et al.
J Clin Invest 49:2345-52, Dec 70
A suggested physiological role of calcitonin: the protection of the skeleton during pregnancy and lactation. Lewis P, et al. J Endocrinol 49:ix-x, Mar 71
Tissue distribution of calcitonin in the rat: comparison with parathyroid hormone. Luise M de, et al.
J Endocrinol 48:173-9, Oct 70
Urinary effects of calcitonin. Ardaillou R.
N Engl J Med 283:1171, 19 Nov 70
Explanation for unusual potency of salmon calcitonin. Habener JF, et al. Nature [New Biol] 232:91-2, 21 Jul 71
[Rate of disappearance of procine calcitonin in the rat fetus] Garel JM, et al.
C R Acad Sci [D] (Paris) 272:1379-82, 1 Mar 71 (Fre)
[Calcitonin activity in medullary thyroid carcinoma tumor and serum] Delling G, et al.
Acta Endocrinol [Suppl] (Kbh) 152:88, 1971 (Ger)
[Calcitonin. Research and clinical aspects] Haas HG, et al. Internist (Berlin) 12:205-10, May 71 (45 ref.) (Ger)
[Periodontal and endocrine diseases. The parathyroid glands: calcium. Thyroid and parathyroids: thyrocalcitonin] Viti M, et al.
Riv Ital Stomatol 25:630-8, Jul 70 (Ita)
[Role of kidneys in the metabolism of calcitonin] Ardaillou R. Pol Arch Med Wewn 46:706-8, Jun 71 (Pol)
[Thyrocalcitonin in euthyroid and toxic goiter] Vasiukova EA, et al. Sov Med 33:3-6, Dec 70 (Rus)

PHARMACODYNAMICS

Effects of porcine calcitonin on some urine electrolytes in the rat. Aldred JP, et al.
Acta Endocrinol (Kbh) 65:737-50, Dec 70
The effect on bone of long-term treatment of intact, parathyroidectomized and thyroparathyroidectomized rats with calcitonin. Hindberg I, et al.
Acta Endocrinol (Kbh) 66:137-50, Jan 71
Interrelationship between calcitonin and parathyroid hormone in intact, thyroidectomized, parathyroidectomized, and thyroparathyroidectomized rats. Sorensen OH.
Acta Endocrinol (Kbh) 65:401-8, Nov 70
The effect of diet and age on the response to calcitonin in rats. Sorensen OH, et al.
Acta Endocrinol (Kbh) 65:316-22, Oct 70
Acute plasma and renal effects of porcine calcitonin in man. Buckle RM.
Acta Endocrinol [Suppl] (Kbh) 155:210, 1971
Effect of calcitonin on the response to parathyroid hormone. Copp DH, et al.
Acta Endocrinol [Suppl] (Kbh) 155:220, 1971
The renal effects of calcitonin in patients with hypoparathyroidism. Friis T, et al.
Acta Endocrinol [Suppl] (Kbh) 155:236, 1971
Action of calcitonin in the foetal rat. Garel JM.
Acta Endocrinol [Suppl] (Kbh) 155:215, 1971
Inhibition of gastric secretion by calcitonin. Hesch RD, et al. Acta Endocrinol [Suppl] (Kbh) 155:216, 1971
The effect of long-term treatment with calcitonin on bone, kidney, and intestine in young rats. Sorensen OH, et al. Acta Endocrinol [Suppl] (Kbh) 155:206, 1971
Influence of thyrocalcitonin in rats fed magnesium-deficient and complete rations. Farnell DR, et al. Am J Vet Res 32:131-48, Jan 71
Action of some hormones on the collagenolytic activities of rat bone cells. Aer J.
Ann Med Exp Biol Fenn 49:9-12, 1971
The effect of calcitonin on disuse atrophy of bone in the rat. Delling G, et al. Calcif Tissue Res 6:143-50, 1970
The relationship between the actions of vitamin D, parathyroid hormone and calcitonin. Rasmussen H, et al. Calcif Tissue Res 6:265-79, 1971
Natriuretic and diuretic effects of salmon calcitonin in rats. Keeler R, et al.
Can J Physiol Pharmacol 48:838-41, Dec 70
Effects of calcitonin in metastatic bone carcinoma, osteoporosis, polyostotic fibrous dysplasia and hypercalcemia. Morii H, et al.
Endocrinol Jap 17:81-90, Feb 71
Effect of calcitonin on the development of immobilization osteoporosis in rat. Orimo H, et al.
Endocrinol Jap 17:117-21, Feb 71
In vivo effect of parathyroid hormone and-or calcitonin on the lysosomal enzyme activity of rat bone. Orimo H, et al. Endocrinol Jap 17:411-5, Oct 70
Comparative effects of phosphate and thyrocalcitonin on skeletal turnover. Haddad JG Jr, et al.
Endocrinology 87:1245-50, Dec 70
Role of adenosine-3',5'-monophosphate in the hormonal regulation of bone resorption: studies with cultured fetal bone. Klein DC, et al.
Endocrinology 89:818-26, Sep 71
Effect of calcitonin on vitamin A-induced changes in bone in the rat. Matrajt-Denys H, et al.
Endocrinology 88:129-37, Jan 71
Effects of parathyroid hormone and thyrocalcitonin on the membrane potential of osteoclasts. Mears DC.
Endocrinology 88:1021-8, Apr 71
Role of inorganic pyrophosphatase in the mechanism of action of parathyroid hormone and calcitonin. Orimo H, et al. Endocrinology 89:852-8, Sep 71
Stability of fetal calcium levels and bone metabolism

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

after maternal administration of thyrocalcitonin. Wezeman FH, et al. Endocrinology 89:445-52, Aug 71
Calcitonin stimulation of pyrophosphatase activity in rat bone. Orimo H, et al.
Experientia 26:1378-9, 15 Dec 70
The effect of thyrocalcitonin on calcium uptake by isolated bone cells. Binderman I, et al.
Isr J Med Sci 7:369-70, Mar 71
The effect of calcitonin on the regeneration of circumscribed tibia defects and on mineral content of bone in the rat. Delling G, et al.
Isr J Med Sci 7:367-8, Mar 71
The effect of calcitonin on bone cells in young rats. An electron microscopic study. Zichner L.
Isr J Med Sci 7:359-66, Mar 71
Response of plasma Ca to thyroidectomy and calcitonin in growing pigs. Pond WG, et al.
J Anim Sci 32:888-90, May 71
Bone metabolism. The acute effects of hormones, vitamin D3, and acidosis during in vivo perfusion ff adult dog forelimbs. Van Nguyen V, et al.
J Bone Joint Surg [Am] 52:1041-9, Jul 70
The possible mediation by cyclic AMP of the stimulation of thymocyte proliferation by vasopressin and the inhibition of this mitogenic action by thyrocalcitonin. Whitfield JF, et al.
J Cell Physiol 76:65-76, Aug 70
Plasma kinetics and acute effects of pharmacologic doses of porcine calcitonin in man. Riggs BL, et al.
J Clin Endocrinol Metab 33:115-27, Jul 71
The clinical and metabolic effects of porcine calcitonin on Paget's disease of bone. Shai F, et al.
J Clin Invest 50:1927-40, Sep 71
Effect of calcitonin on (3H)proline incorporation into bone hydroxyproline in the rat. Kalu DN, et al.
J Endocrinol 49:233-41, Feb 71
The effect of synthetic porcine alpha-calcitonin on the renal elimination of magnesium, sodium and inorganic phosphate in normal and parathyroidectomized rats. Nielsen SP, et al. J Endocrinol 48:vii, Sep 70
The effects of porcine calcitonin on renal function in the rabbit. Salako LA, et al.
J Endocrinol 50:485-91, Jul 71
The action of thyrocalcitonin in man: radiocalcium kinetics studies. Caniggia A, et al.
J Nucl Biol Med 13:148-50, Oct-Dec 69
Thyrocalcitonin stimulated bone formation by local application to rat calvaria in vivo. Mantzavinos Z, et al.
J Periodontol 41:663-6, Dec 70
Natriuretic effect of calcitonin in man. Bijvoet OL, et al. N Engl J Med 284:681-8, 1 Apr 71
Calcitonin and natriuresis.
N Engl J Med 285:463-4, 19 Aug 71
Advances in calcitonin research.
Nature (Lond) 232:156, 16 Jul 71
Effects of calcitonin on 85 Sr whole body retention in the dog. Anderson JJ, et al.
Nature [New Biol] 232:93, 21 Jul 71
Effects of an avian ultimobranchial extract in the domestic fowl. Lloyd JW, et al.
Poult Sci 49:1117-21, Jul 70
Hormonal effects on extracellular cyclic nucleotides in man. Kaminsky NI, et al.
Trans Assoc Am Physicians 83:235-44, 1970
[Study of the effects of exogenous or endogenous calcitonin on blood calcium in chickens] Calamy H, et al. C R Acad Sci [D] (Paris) 271:2153-6, 9 Dec 70 (Fre)
[Thyroxine-calcitonin interaction. Study in the iodine-deficient rat] Collignon G, et al.
C R Acad Sci [D] (Paris) 271:1552-5, 28 Oct 70 (Fre)
[Action of calcitonin after calcium overload in the fetus of the whole or decapitated rat] Garel JM.
C R Acad Sci [D] (Paris) 271:1560-3, 28 Oct 70 (Fre)
[Demonstration of the action of porcine calcitonin on bone of the trout Salmo gairdnerii subjected to a demineralizing treatment] Lopez E, et al.
C R Acad Sci [D] (Paris) 272:2600-3, 17 May 71 (Fre)
[Investigations concerning the hypocalcemic effect of glucagon in rats] Gozariu L, et al.
Acta Endocrinol [Suppl] (Kbh) 152:89, 1971 (Ger)
[Calcitonin effect on osteocytes of growing rats] Zichner L. Klin Wochenschr 48:1444-8, 15 Dec 70 (Ger)
[Calcitonin sensitivity of old rats. Contribution on the pathophysiology of senility-osteoporoses] Holló I, et al. Z Alternsforsch 23:71-6, 1970 (Ger)
[Influence of thyrocalcitonin on urinary excretion of calcium during overloads of this electrolyte in normal adult and aged men] Ghiringhelli L, et al.
Atti Accad Med Lomb 23:263-6, Apr-Jun 68 (Ita)
[Seasonal changes of calcemia in normal toads, after removal of the prepericardic body and treatment with calcitonin. Preliminary results] Dore B, et al.
Boll Soc Ital Biol Sper 45:1413-5, 30 Nov 69 (Ita)
[Calcium-phosphorus metabolism and action of calcitonin] Ghizzardi B.
Boll Soc Med Chir Cremona 23:11-50, Jan-Mar 69 (Ita)
[Effect of calcitonin on the experimental osteolathyrism. I. Changes in bone metabolism caused by the administration of aminoacetonitrile] Seyama Y, et al. J Pharm Soc Jap 91:511-7, May 71 (Jap)
[Effect of calcitonin on urinary electrolyte excretion] Ardaillou R. Pol Arch Med Wewn 46:704-5, Jun 71 (Pol)
[Calcitonin--its action and therapeutic application] Sye S. Wiad Lek 23:2193-8, 15 Dec 70 (27 ref.) (Pol)
[Physicochemical study of cerebrospinal fluid under the effect of thyrocalcitonin] Stekol'nikov LI, et al.
Biofizika 14:921-5, Sep-Oct 69 (Rus)
[Biphasic character of the hypocalcemic action of thyrocalcitonin] Stekol'nikov LI, et al.
Biull Eksp Biol Med 71:18-20, Apr 71 (Rus)
[Antagonism of parathyroid hormone by calcitonin] Garrido M, et al.
Rev Iber Endocrinol 17:377-89, Sep-Oct 70 (Spa)

PHYSIOLOGY

The influence of gonadal hormones on the action of calcitonin. Hindberg I, et al.
Acta Endocrinol [Suppl] (Kbh) 155:207, 1971
Parathyroid hormone and thyrocalcitonin: their mode of action and regulation. Pak CY.
Ann NY Acad Sci 179:450-74, 6 Jul 71 (51 ref.)
Calcitonin 1970: review of recent developments. Martínez Rovira GR.
Bol Asoc Med PR 62:107-14, Apr 70 (45 ref.)
The clinical physiology of calcium homeostasis, parathyroid hormone an, and calcitonin. I. Kleeman CR, et al. Calif Med 114:16-43, Mar 71 (143 ref.)
The clinical physiology of calcium homeostasis, parathyroid hormone, and calcitonin. II. Kleeman CR, et al. Calif Med 114:19-30, Apr 71 (61 ref.)
Calcitonin and calcium metabolism. Copp DH.
Can Med Assoc J 103:821-4, 17 Oct 70
Effects of ultimobranchialectomy on bone composition and mineral metabolism in the chicken. Brown DM, et al. Endocrinology 87:1282-91, Dec 70
The ultimobranchial body in rana pipiens. XI. Response to increased dietary calcium--evidence of possible physiological function. Robertson DR.
Endocrinology 87:1041-50, Nov 70
Calcitonin and metabolic bone disease.
Lancet 1:1168-9, 5 Jun 71
Effects of endogenous thyrocalcitonin and vitamin D3 on milk yield in parathyroidectomized and thyroparathyroidectomized rats. Baksi SN, et al.
Proc Soc Exp Biol Med 137:215-8, May 71
[Effect of thyrocalcitonin on the assimilation of calcium in food ingested with vitamin D3 or sodium acid carbonate] Bauvir F, et al.
Ann Endocrinol (Paris) 31:1209-14, Nov-Dec 70 (Fre)
[The influence of parathyroid hormone and thyrocalcitonin on the metabolism of cartilage] Denis F, et al.
Rev Eur Etud Clin Biol 16:65-70, Jan-Feb 71 (Fre)
[Recent findings regarding the action of thyrocalcitonin and parathormone in domestic animals] Kolb E.
Monatsh Vet Med 26:469-74, 15 Jun 71 (Ger)
[Interrelation between parathyroid hormone and calcitonin in calcium homeostasis] Morii H.
Folia Endocrinol Jap 46:870-1, Nov 70 (Jap)
[Interaction of parathyroid hormone and calcitonin] Orimo H, et al.
Folia Endocrinol Jap 46:864-70, Nov 70 (Jap)
[The parathyroids and calcitonin. Study of its clinical physiology. II. Thyrocalcitonin and vitamin D; metabolic actions; study of its physiopathology] Garrido B, et al.
Rev Iber Endocrinol 18:49-82, Jan-Feb 71 (115 ref.) (Spa)
[The parathyroids adnd calcitonin. Study of its physiology and clinical aspects. I. Physiology of the regulation of calcium] Tamarit J.
Rev Iber Endocrinol 18:13-47, Jan-Feb 71 (161 ref.) (Spa)

SECRETION

The role of energy metabolism in the secretion of calcitonin in response to hypercalcaemia. Bates RF.
Acta Endocrinol [Suppl] (Kbh) 155:212, 1971
The relation between amine and polypeptide hormone in calcitonin-producing cells. Sundler F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:213, 1971
Role of glucagon and adrenergic receptors in thyrocalcitonin release in the dog. Avioli LV, et al.
Endocrinology 88:1337-[illegible] 71
Role of pancreozymin-cholecystokinin and structurally related compounds as calcitonin secretogogues. Care AD, et al. Endocrinology 89:263-71, Jul 71
Direct measurement of in vivo secretion of pig thyrocalcitonin by radioimmunoassay. Cooper CW, et al. Endocrinology 88:747-54, Mar 71
Secretion of thyrocalcitonin in organ culture. Feinblatt JD, et al. Endocrinology 88:797-804, Apr 71
An unusual trabecular thyroid cancer producing calcitonin. Milhaud G, et al.
Experientia 26:1381-3, 15 Dec 70
Effect of vitamin D2 stimulation on amine stores and secretory granules in the calcitonin cells of the mouse. Melander A, et al. Histochemie 25:32-44, 1971
The effect of catecholamines on calcitonin secretion in the pig. Bates RF, et al. J Endocrinol 46:xi-xii, Feb 70
The effect of propranolol on calcitonin secretion. Bates RF, et al. J Endocrinol 48:8-9, Sep 70
The effect of progesterone on calcitonin release in the sheep. Bates RF, et al. J Endocrinol 49:vi-vii, Mar 71
Stimulation of calcitonin release from bovine thyroid by calcium and glucagon. Care AD, et al.
J Endocrinol 48:667-8, Dec 70
A possible role for the adenyl cyclase system in calcitonin release. Care AD, et al.
J Endocrinol 48:1-15, Sep 70
Calcitonin-releasing substances: structure-activity relationship. Care AD, et al.
J Endocrinol 49:8-9, Mar 71
The effect of adrenaline on calcitonin secretion in conscious sheep. Phillippo M, et al.
J Endocrinol 46:12-3, Feb 70
Suppression and stimulation of calcitonin secretion in medullary thyroid carcinoma. Deftos LJ, et al.
Metabolism 20:428-31, Apr 71
Cushing's syndrome caused by ACTH- and calcitonin-secreting medullary carcinoma of the thyroid. Melvin KE, et al. Metabolism 19:831-8, Oct 70
The influence of plasma magnesium concentrations on calcitonin secretion in the pig. Littledike ET, et al.
Proc Soc Exp Biol Med 136:1000-6, Mar 71
Thyrocalcitonin: stimulation of secretion by pentagastrin. Cooper CW, et al.
Science 172:1238-40, 18 Jun 71
Effects of endogenous calcitonin secretion on growing bones in rats. Singh M, et al. Surg Forum 21:465-7, 1970
[Structural and functional variations of the C cells during experimental hypothyroidism in the rat] Moura AM, et al.
C R Acad Sci [D] (Paris) 272:1145-7, 22 Feb 71 (Fre)
[Ectopic thyrocalcitonin secretion] Milhaud G, et al.
Rev Med Suisse Romande 90:539-46, Jul 70 (Fre)
[Parathyroid hormone, calcitonin and bone diseases] Ziegler R.
Dtsch Med J 22:160-3, 20 Mar 71 (54 ref.) (Ger)
[Disorders of calcitonin secretion] Morii H.
Clin Endocrinol (Tokyo) 18:947-52, Nov 70 (30 ref.) (Jap)
[Control mechanism of hormone secretion-parathyroid hormone and thyrocalcitonin] Oata M, et al.
Clin Endocrinol (Tokyo) 18:835-42, Oct 70 (27 ref.) (Jap)
[Thyroid C cells] Stachura J.
Patol Pol 22:287-304, Apr-Jun 71 (Pol)

THERAPEUTIC USE

Calcitonin 1970: review of recent developments. Martínez Rovira GR.
Bol Asoc Med PR 62:107-14, Apr 70 (45 ref.)
Clinical applications of calcitonin.
Can Med Assoc J 105:238-9, 7 Aug 71
Treatment of hypercalcaemia with porcine calcitonin. West TE, et al. J Endocrinol 48:7-8, Sep 70
New therapies in Paget's disease of bone. Vaisrub S.
JAMA 217:1383-4, 6 Sep 71
Treatment of hypercalcaemia with calcitonin. West TE, et al. Lancet 1:675-8, 3 Apr 71
Human calcitonin in the treatment of Paget's bone disease. Woodhouse NJ, et al.
Lancet 1:1139-43, 5 Jun 71
[Effects of prolonged administration of various calcitonins in human osteoporosis: clinical, histologic and microradiographic study] Langer B, et al.
Ann Med Interne (Paris) 122:149-55, Feb 71 (Fre)
[Effects of swine thyrocalcitonin on normal children and in various thyroid disorders and phospho-calcic metabolism disorders] Lambertz J, et al.
Arch Fr Pediatr 28:445-69, Apr 69 (Fre)
[Long term treatment of osteoporosis with thyrocalcitonin. Apropos of 7 cases] Bloch-Michel H, et al. Rev Rhum Mal Osteoartic 37:629-38, Oct 70 (Fre)
[Treatment of osteoporosis with thyrocalcitonin] Milhaud G, et al. Therapeutique 47:517-8, May 71 (Fre)
[Metabolic rates and histological-morphometrical investigations in bones of patients with osteoporosis subjected to long-term application of calcitonin] Dambacher MA, et al.
Acta Endocrinol [Suppl] (Kbh) 152:87, 1971 (Ger)
[Morbus Paget] Haas HG.
Dtsch Med Wochenschr 96:1412, 27 Aug 71 (Ger)
[Acute therapy of hypercalcemic hyperparathyroidism using calcitonin] Hesch RD, et al.
Dtsch Med Wochenschr 96:764-5, 23 Apr 71 (Ger)
[Action of thyrocalcitonin on Paget's osteodystrophy] Bompani R, et al. G Gerontol 18:720-34, Aug 70 (Ita)
[Changes induced with administration of thyrocalcitonin in the serum Ca47 clearance curve in aged patients with osteoporosis treated with thyrocalcitonin] Coscelli C, et al.
G Gerontol 18:336-42, Apr 70 (Ita)
[Influence of thyrocalcitonin treatment on the serum radioactive calcium clearance curve in 2 pagetic subjects] Gavazzoli L, et al.
G Gerontol 18:347-52, Apr 70 (Ita)
[Behavior of hydroxyprolinuria in the aged osteoporotic after treatment with thyrocalcitonin] Molinis G, et al. G Gerontol 18:373-7, Apr 70 (Ita)
[Calcitonin--its action and therapeutic application] Sye S. Wiad Lek 23:2193-8, 15 Dec 70 (27 ref.) (Pol)

URINE

Measurement of thyrocalcitonin-like activity in urine

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of patients with medullary carcinoma. Voelkel EF, et al. J Clin Endocrinol Metab 32:102-9, Jan 71

THYROGLOBULIN (D10)

Thyroid peroxidase-catalyzed iodination of thyroglobulin; inhibition by excess iodide. Taurog A. Arch Biochem Biophys 139:212-20, Jul 70
Nitration of human serum albumin and bovine and human goiter thyroglobulins with tetranitromethane. Malan PG, et al. Biochemistry 9:3205-14, 4 Aug 70
Succinylation of thyroglobulin. Relation between dissociation into subunit and iodine content. Rolland M, et al. Biochim Biophys Acta 214:282-9, 21 Aug 70
Interactions of phospholipids with thyroglobulin and their influence on the enzymic hydrolysis of this protein. Scott TW, et al.
Biochim Biophys Acta 215:477-90, 22 Sep 70
Properties of carbohydrate-stripped thyroglobulin. I. Preparation and physicochemical properties of desialized thyroglobulin. Tarutani O, et al.
Biochim Biophys Acta 229:642-8, 23 Mar 71
Properties of carbohydrate-stripped thyroglobulin. II. Heterogeneity in sialic acid content in thyroglobulin subfractions. Tarutani O, et al.
Biochim Biophys Acta 236:384-90, 25 May 71
Isoelectric points and conformation of proteins. I. Effect of urea on the behavior of some proteins in isoelectric focusing. Ui N.
Biochim Biophys Acta 229:567-81, 23 Mar 71
The importance of the ionic strength of sucrose gradients in the determination of the sedimentation coefficient of poorly iodinated or newly synthesized thyroglobulin. Valenta L, et al.
Biochim Biophys Acta 236:376-83, 25 May 71
Comparative effects of immunization of rabbits with human thyroglobulin and human and rabbit thyroid microsomal fractions. Beall GN, et al.
Clin Exp Immunol 8:647-56, Apr 71
Studies on the enzymatic hydrolysis of peptide-bound iodoamino acids. Kobayashi I, et al.
Endocrinology 88:309-17, Feb 71
Isolation of hetero antibodies to human thyroglobulin. Fontana S, et al.
Folia Endocrinol (Roma) 23:17-24, Feb 70
The effect of anti-lymphocytic antibody on the development of experimental thyroiditis in rats induced by the intra-lymph node injection of rat thyroglobulin in Freund's complete adjuvant. Kalden JR, et al. Immunology 20:269-75, Mar 71
Induction of thyroiditis in guinea-pigs by intravenous injection of rabbit anti-guinea-pig thyroglobulin serum. 3. Electron microscopic study. Kåresen R. Immunology 19:301-18, Aug 70
Cell-mediated immune responses to heterologous and homologous thyroglobulin in guinea-pigs immunized with heterologous thyroid extracts. Romagnani S, et al. Immunology 19:599-612, Oct 70
In vivo and in vitro immunological responses to heterologous and homologous thyroglobulin in guinea pigs immunized with heterologous thyroid extracts in Freund's complete adjuvant. Ricci M, et al.
Ist Arch Allergy Appl Immunol 41:138-9, 1971
The effects of low temperature on the conformation of thyroglobulin. Schneider AB, et al.
J Biol Chem 246:2835-41, 10 May 71
Enzymatic modification of proteins. 4. Arginylation of bovine thyroglobulin. Soffer RL.
J Biol Chem 246:1481-4, 10 Mar 71
Antigenic competition between mouse thyroglobulin and bovine serum albumin demonstrated by adoptive transfer. Twarog FJ, et al.
J Immunol 107:738-41, Sep 71
[Effect of thyroglobulin on lymphocytes in vitro] Warnatz H, et al.
Z Gesamte Exp Med 152:130-42, 1970 (Ger)
[Immune reactions of lymphocytes to heterologous thyroglobulin in experimental immune thyroiditis of the guinea pig] Warnatz H, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:304-12, 1970 (Ger)
[Study of the in vivo and in vitro immunological responses to heterologous thyroglobulin] Romagnani S, et al.
Folia Allergol (Roma) 16:449-60, Sep-Oct 69 (Ita)
[Detection of antithyroid antibodies in normal subjects and patients with thyroid diseases] Cavagnini F, et al.
Folia Endocrinol (Roma) 23:25-40, Feb 70 (Ita)
[Anti-tissue antibodies in radiation injury] Alekseeva OG. Radiobiologiia 10:753-5, Sep-Oct 70 (Rus)

ANALYSIS

Spectrophotometric determination of monoiodotyrosine, diiodotyrosine, and thyroxine in iodoproteins. Covelli I, et al.
Anal Biochem 42:82-90, Jul 71
The nature of particulate thyroid proteins in an experimental rat thyroid tumor. Salabé GB, et al.
Biochim Biophys Acta 214:196-206, 27 Jul 70
Effect of freezing in methylmercaptoimidazole on the structure of thyroglobulin. Cramarossa L, et al.
Endocrinology 89:741-8, Sep 71
Thyroglobulin in fractions of thyroid homogenate. Konno N, et al. Endocrinology 87:1069-74, Nov 70
Studies of thyroglobulin of hypophysectomized rats. 3. Evidence for formation and accumulation of thyroglobulin following hypophysectomy. Relationship of iodine content of thyroglobulin and sensitivity to disaggregation in alkali. Rosenberg LL, et al. Endocrinology 89:439-44, Aug 71
Studies on thyroid proteins. VII. Immunochemical properties of some enzymatic fragments of rabbit thyroglobulin. Ghayasuddin M, et al.
Immunology 19:225-37, Aug 70
Thyroglobulin from human goiters. Effects of iodination on sedimentation and iodoamino acid synthesis. De Crombrugghe B, et al.
J Biol Chem 242:5681-5, 25 Dec 67
The amino acid neighbors of thyroxine in thyroglobulin. Dunn JT.
J Biol Chem 245:5954-61, 25 Nov 70
Studies on the protein portion of thyroglobulin. Amino acid compositions and terminal amino acids of several thyroglobulins. Spiro MJ.
J Biol Chem 245:5820-6, 10 Nov 70
Difference in isoelectric point of 27S and 19S thyroidal iodoproteins determined by isoelectric focusing. Ceriani RL, et al.
Proc Soc Exp Biol Med 136:1351-4, Apr 71
[Dissociation of rat thyroglobulin by S.D.S. as a function of iodine supply] Gavaret JM, et al.
J Physiol (Paris) 62:Suppl 2:278, 1970 (Fre)
[The organ specificity of thyroid gland tumors] Krupnik SI. Biull Eksp Biol Med 66:92-4, Nov 68 (Rus)
[Degree of iodination and iodoamino acid composition of thyroglobulin in diffuse toxic goiter] Mkrtumova NA, et al.
Probl Endokrinol (Mosk) 16:68-71, May-Jun 70 (Rus)

ANTAGONISTS & INHIBITORS

Thyroid eosinophilia and cutaneous Arthus reaction simultaneously induced in the guinea-pig by antiserum to thyroglobulin. Kåresen R.
Acta Pathol Microbiol Scand [B] 78:435-43, 1970

BIOSYNTHESIS

Influence of the lithium ion on the biosynthesis of thyroxine and thyroglobulin in the rat. Ljunggren JG, et al. Acta Endocrinol (Kbh) 67:784-92, 1971
The influence of iodine on the aggregation of subunits into thyroglobulin and on the formation of 27S iodoprotein. Sinadinović J, et al.
Acta Endocrinol [Suppl] (Kbh) 155:11, 1971
Role of protein synthesis in the utilization of administered iodide by thyroid glands in rats. Inoue K, et al. Endocrinology 87:1298-305, Dec 70
Synthesis of thyroglobulin peptides by pig thyroid polyribosomes. Kondo Y.
Endocrinology 89:116-24, Jul 71
Biosynthesis of thyroglobulin related to the ultrastructure of the human fetal thyroid gland. Olin P, et al. Endocrinology 87:1000-14, Nov 70
Thyroglobulin from human goiters. Effects of iodination on sedimentation and iodoamino acid synthesis. De Crombrugghe B, et al.
J Biol Chem 242:5681-5, 25 Dec 67
Radioautographic study of in vivo and in vitro incorporation of fucose-3H into thyroglobulin by rat thyroid follicular cells. Haddad A, et al.
J Cell Biol 49:856-77, Jun 71
[In vitro reassociation of cells isolated from porcine thyroid and the biosynthesis of thyroglobulin. I. Conditions for the induction of cellular reassociations by thyreostimulin] Fayet G, et al.
Bull Soc Chim Biol (Paris) 52:299-306, 17 Apr 70 (Fre)
[Reassociation in vitro of cells isolated from porcine thyroid and the biosynthesis of thyroglobulin. II. Biosynthesis of thyroglobulin] Fayet G, et al.
Bull Soc Chim Biol (Paris) 52:307-18, 17 Apr 70 (Fre)
[Biosynthesis of thyroglobulin as glycoprotein] Bouchilloux S, et al.
Expos Annu Biochim Med 30:39-64, 1970 (117 ref.) (Fre)
[Dyshormonogenetic goiter caused by altered synthesis of thyroglobulin] Cassano C.
Recent Progr Med (Roma) 50:9-23, Jan 71 (Ita)

BLOOD

[Physiopathology of plasmatic transport of thyroid hormones] Andreoli M, et al.
Recent Progr Med (Roma) 46:507-46, Jun 69 (Ita)

DIAGNOSTIC USE

Human thyroglobulin and thyroid extract as specific stimulators of sensitized lymphocytes. Ehrenfeld EN, et al. J Clin Endocrinol Metab 32:115-6, Jan 71

ISOLATION & PURIFICATION

Comparative studies on the properties of thyroglobulins from various animal species. Hoshino T, et al. Endocrinol Jap 17:521-33, Dec 70
[Comparative serologic study of thyroid antigens in clinical patient material] Torgyán S.
Orv Hetil 111:2058-60, 30 Aug 70 (Hun)

METABOLISM

Serum protein-bound iodine response to thyroglobulin (Proloid). Workman JB, et al.
Curr Ther Res 12:828-31, Dec 70
Endocytosis of thyroglobulin and release of thyroid hormone in mice by catecholamines and 5-hydroxytryptamine. Ericson LE, et al.
Endocrinology 87:915-23, Nov 70
Stimulation of proteolysis in the mouse thyroid gland by thyrotropin and the long-acting thyroid stimulator: comparison of intact lobe and homogenate. Konno N, et al. Endocrinology 87:1063-8, Nov 70
Thyroglobulin uptake by pig thyroid slices. Vandenbroucke MF, et al.
Endocrinology 88:389-99, Feb 71
[Relation between iodine content and properties of thyroglobulins obtained by isotopic equilibration] Gavaret JM, et al.
Biochim Biophys Acta 236:706-17, 29 Jun 71 (Fre)
[Specific variations in the sedimentation coefficient of prethyroglobulin in several lower vertebrates] Brisson-Martin A, et al.
C R Soc Biol (Paris) 164:1922-5, 1970 (Fre)

PHARMACODYNAMICS

On the mechanism of the McKenzie bioassay. Florsheim WH, et al. Endocrinology 87:881-8, Nov 70
[Transformation of lymphocytes of autoimmunized subjects in presence of human thyroglobulin] Dumont F, et al. C R Soc Biol (Paris) 164:1388-91, 1970 (Fre)
[Comparative studies on the stimulation of lymphocytes by thyroglobulin in tolerant and non-tolerant guinea-pigs] Warnatz H, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:80-8, Jul 71 (Ger)

THERAPEUTIC USE

Clinical and laboratory response to different thyroid substitution medications. Schoen HC, et al.
Am J Med Sci 260:299-307, Nov 70
[Obesity and thyroid hormone therapy] Naess K.
Tidsskr Nor Laegeforen 90:2278, 15 Dec 70 (Nor)
[Treatment of phimosis by hormones] Camargo RB.
Resen Clin Cient 38:169-71, Jul-Aug 69 (Por)

THYROGLOSSAL CYST (C2)

Thyroglossal cysts and fistulas. Bertelli A de P, et al.
Eye Ear Nose Throat Mon 50:88-93, Mar 71
Primary carcinoma of the thyroglossal duct. Report on a case treated by radioiodine. Zamrazil V, et al.
Neoplasma 18:421-6, 1971
Lingual sebaceous glands and a possible thyroglossal duct. Knapp MJ. Oral Surg 31:70-1 passim, Jan 71
[On a case of giant cyst of the floor of the mouth, of thyroglossal origin] Perilli M.
Arch Ital Otol 81:43-50, Jan-Feb 70 (Ita)

COMPLICATIONS

[On deformities of the neck caused by embryonal malformations. (On a case of suprasternal congenital fistula)] Tufano R.
Riv Anat Patol Oncol 35:321-38, 1969 (Ita)

PATHOLOGY

[Surgical and histological observations on atypical median cervical cysts] Jonecko A.
Anat Anz 127:460-79, 1970 (Ger)

THYROID ANTAGONISTS (D8)

Effect of freezing in methylmercaptoimidazole on the structure of thyroglobulin. Cramarossa L, et al.
Endocrinology 89:741-8, Sep 71
Increased rate of enzymatic proteolysis of thyroid iodoprotein prefrozen in a methimazole solution. Kobayashi I, et al. Endocrinology 89:79-85, Jul 71
[Mechanism of the antithyroid effect of reserpine in patients with diffuse toxic goiter] Komarovskaia RP, et al.
Probl Endokrinol (Mosk) 16:9-14, Jul-Aug 70 (Rus)

ADMINISTRATION & DOSAGE

[Treatment of highly active thyrotoxicosis with aggressive doses of carbimazole eventually in combination with Chlorigen. I. Clinical importance and hematological compatibility] Němec J, et al.
Vnitr Lek 17:783-95, Aug 71 (Cse)
[Combined parenteral therapy with thiamazole and iodide in patients with severe hyperthyroidism. (Study on half-life of free and total plasma thyroxine)] Herrmann J, et al.
Klin Wochenschr 49:930-6, 15 Aug 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ADVERSE EFFECTS

[Influence of thyrotoxic recurrences on the evolution of basedowian ophthalmopathies and on the levels of immunoglobulins. Presence of a hypersensitivity to carbimazole in some ophthalmopathies] Mahaux JE, et al.
Ann Endocrinol (Paris) 32:329-37, 2 Mar-Apr 7 (Fre)
[In vivo transplantation of fetal rat maxilla under the renal capsule. Experimental study of odontogenesis in the rat. Attempt at disturbance of odontogenesis by the action of chelating and antithyroid agents] Boussagol P.
Bull Group Int Rech Sci Stomatol 13:383-98, Jul-Oct 70 (Fre)
[Basedow's disease and iatrogenic hypothyroid goiter] Routier G, et al. J Sci Med Lille 88:651-7, Dec 70 (Fre)
[Incidents and complications of medical treatment of hyperthyroidism] Routier G.
J Sci Med Lille 88:415-20, Aug-Sep 70 (Fre)
[Goiters induced or aggravated by ill chosen prescription of synthetic antithyroids] Decourt J, et al. Sem Hop Paris 43:2081-91, 10 Jul 67 (Fre)
[Therapy with thyrostatics and hazards in their goitrogenous effect] Winkelvoss E, et al.
Z Aerztl Fortbild (Jena) 64:1196-9, 1 Dec 70 (Ger)
[Agranulocytosis caused by medication]
Tidsskr Nor Laegeforen 91:1248-9, 10 Jun 71 (Nor)

METABOLISM

Methimazole: its absorption and excretion in man and tissue distribution in rats. Pittman JA, et al.
J Clin Endocrinol Metab 33:182-5, Aug 71

PHARMACODYNAMICS

Thyroidal radioiodine uptake during long-term antithyroid treatment in euthyroid volunteers. Rohner R, et al.
Acta Endocrinol [Suppl] (Kbh) 155:16, 1971
Structural changes of cortex adrenalis after the administration of 2-thio-6-azathymine. Foltinová J.
Acta Histochem (Jena) 38:14-7, 1970
Thyroid antibodies and thyroglobulin-like products in serum during antithyroid therapy. Hjort T, et al.
Acta Med Scand 188:431-7, Nov 70
Studies on the antithyroid activity of naturally occurring L-5-vinyl-2-thiooxazolidone in man. Langer P, et al. Endokrinologie 57:225-9, 1971
Effects of thyroidectomy, neomercazole and thyroxine treatment on the hypothalamo-hypophysial neurosecretory system of Bufo andersonii Boulenger. Dixit VP, et al. Folia Biol (Krakow) 19:79-88, 1971
Use of bioassay techniques with rats to measure the antithyrotoxic factor in roughages and other materials. Wallenius RW, et al.
J Nutr 101:821-8, May 71
The effect of 1,1,3-tricyano-2-amino-1-propene (U-9189) on reinnervation of the canine larynx "electrophysiological observations". Harvey JE, et al.
Laryngoscope 80:1646-64, Nov 70
[Action of goitrogens on tadpoles of the toad, Bufo bufo L] Mira-Moser F.
Arch Anat Histol Embryol (Strasb) 52:313 passim, 1969 (Fre)
[Co-teratogenic action of antithyroid agents in the chick embryo] Stoll R, et al.
C R Soc Biol (Paris) 164:546-8, 1970 (Fre)
Modification of serum properdin system by different drugs. 1. Antibiotics, chemotherapeutics, antidiabetics, hypnotics, immunosuppressive agents and thyroid antagonists] Pfordte K.
Pharmazie 26:301-2, May 71 (Ger)
[The effect of antithyroid substance (ammonium perchlorate) on the function of the adrenal cortex] Litvinov NN, et al.
Biull Eksp Biol Med 65:65-7, 1968 (Rus)
[The effect caused by antithyroid preparations on moulting and diapause in insects] Edel'man NM, et al.
Dokl Akad Nauk SSSR 190:1004-7, Feb 70 (Rus)
[Effect of antithyroid compounds on the toxicity of isadrine] Nevelichuk VV.
Farmakol Toksikol 34:170-3, 1971 (Rus)

THERAPEUTIC USE

Thyroid suppressibility: follow-up for two years after antithyroid treatment. Lowry RC, et al.
Br Med J 2:19-22, 3 Apr 71
Long-term result of antithyroid drug therapy for Grave's disease: follow up after more than 5 years. Shizume K, et al. Endocrinol Jap 17:327-32, Oct 70
Autoimmune response to the antithyroid and 131-I therapy of hyperthyroidism. Takó J, et al.
Endokrinologie 57:400-4, 1971
1-isopropylimidazolidine-2-thione: clinical evaluation of a new antithyroid drug. Ahuja MM, et al.
Indian J Med Res 57:1486-9, Aug 69
Thyroid-antithyroid therapy of thyrotoxicosis. Green WL, et al. JAMA 216:1484-5, 31 May 71
Antithyroid-thyroid therapy for thyrotoxicosis. Selenkow HA. JAMA 214:2198, 21 Dec 70
Thyroid-antithyroid treatment of hyperthyroidism. Wartofsky L. JAMA 215:1325, 22 Feb 71
Effect of potassium iodide on relapse-rate of thyrotoxicosis treated with antithyroid drugs. Thalassinos NC, et al. Lancet 2:183-4, 24 Jul 71
Thyroid suppression test as index of outcome of hyperthyroidism treated with antithyroid drugs. Cassidy CE. Metabolism 19:745-50, Oct 70
[Influence of age, activity of the disease, treatment with carbimazole and hydrochlorothiaziole on glucose tolerance in thyrotoxicosis] Zamrazil V, et al.
Vnitr Lek 17:234-41, Mar 71 (Cze)
[Study in humans and rats of the effect of synthetic antithyroid drugs on the thyroid uptake of stable iodine and on the levels of plasma iodide. New test for estimation of thyreotropic function] Berthezene F, et al.
Ann Endocrinol (Paris) 32:275-83, 2 Mar-Apr 7 (Fre)
[Evolution of a left sub-trapezial polymicroadenopathy in severe hyperthyroidism treated with carbimazole] Mahaux JE, et al.
Ann Endocrinol (Paris) 32:323-8, 2 Mar-Apr 7 (Fre)
[Short and long-term treatment of hyperthyroidism] Ermans AM.
Bull Soc Sci Med Grand Duche Luxemb 107:315-9, Oct 70 (Fre)
[Basedow's disease. 1. Drug therapy of hyperthyroidism] Tourniaire J.
Lyon Med 18:Suppl:48-51, 1971 (Fre)
[The behavior of free thyroxine in serum of patients with hyperthyroidism under thyrostatic therapy] Morgner KD, et al.
Klin Wochenschr 48:986-9, 15 Aug 70 (Ger)
[The effect of thyroid antagonists and I-131 isotope therapy on the autoimmune processes in hyperthyroidism] Takó J, et al.
Orv Hetil 112:489-91, 28 Feb 71 (Hun)
[Effects of propranolol on hyperthyroidism in patients treated previously with Methizol without improvement] Kubacki J.
Wiad Lek 23:2075-7, 1 Dec 70 (Pol)
[Surgical treatment of diffuse toxic goiter] Nikolaev OV, et al. Khirurgiia (Mosk) 46:121-7, Apr 70 (Rus)

URINE

Development and comparison of thin-layer chromatographic and gas-liquid chromatographic methods for measurement of methimazole in rat urine. Steniake JB, et al.
J Chromatogr 53:285-91, Dec 70

THYROID CRISIS (C7)

[Thyroid crisis] Louven B, et al.
Verh Dtsch Ges Inn Med 75:728-30, 1969 (Ger)

CHEMICALLY INDUCED

[Case of thyroid storm during administration of propylthiouracil in hyperthyroidism] Shimoda S, et al.
Naika 26:1151-3, Dec 70 (Jap)

COMPLICATIONS

[Diabetic coma associated with thyrotoxic crisis] Zagrobelny Z, et al.
Pol Tyg Lek 26:394-6, 15 Mar 71 (Pol)

DRUG THERAPY

Thyroid crisis today. McCallum GT.
Am Surg 37:521-6, Aug 71
Reserpine in thyrotoxic crisis. Dillon PT, et al.
N Engl J Med 283:1020-3, 5 Nov 70
Fever in thyroid crisis. Harrison TS.
N Engl J Med 284:447-8, 25 Feb 71
Thyroid storm. Rosenberg IN.
N Engl J Med 283:1052-3, 5 Nov 70
[Treatment of thyroid crisis by propranolol] Lederer J.
Ann Endocrinol (Paris) 31:754-8, Jul-Aug 70 (Fre)
[Acute thyroid crisis. (Apropos of 6 cases. Action of propranolol)] Murie N, et al.
Cah Med 12:25-33, Jan 71 (Fre)
[Pathogenesis and treatment of thyroid crisis] Lederer J. Rev Fr Endocrinol Clin 11:211-21, May-Jun 70 (Fre)
[Use of the beta-receptor blockader Iproveratril in the therapy of thyreotoxic crisis] Fehér L, et al.
Z Gesamte Inn Med 25:642-4, 15 Jul 70 (Ger)
[The beta-blocking drugs in hyperthyroidism. 3. Effects on the post-thyroidectomy course and on the thyrotoxic crisis] Giardina F, et al.
Minerva Med 62:1383-92, 31 Mar 71 (Ita)
[Effect of neuroleptoanalgesia, type II (NLA II) on the course of experimental and clinical hyperthyroidism. II. Effects of NLA II on the oxygen metabolism of the brain stem, heart, liver and kidney in experimental hyperthyroidism] Zagrobelny Z.
Endokrynol Pol 21:457-68, Sep-Oct 70 (Pol)

ETIOLOGY

Thyroid crisis after extrathyroid surgery in previously unrecognised hyperthyroidism. A report of 2 cases. Němec J, et al. Endokrinologie 57:81-8, 1970
Thyroid crisis induced by radioactive iodine. Shafer RB, et al. J Nucl Med 12:262-4, May 71
[Pathogenesis and treatment of thyroid crisis] Lederer J. Rev Fr Endocrinol Clin 11:211-21, May-Jun 70 (Fre)
[Thyreotoxic crisis in thyroid neoplasm] Raith L, et al.
Internist (Berlin) 11:146-8, Apr 70 (Ger)
[Acute thyrotoxicosis during hyperthyroidism] Cavicchi E. Arcisp S Anna Ferrara 22:83-93, 1969 (Ita)

METABOLISM

[Effect of thyroid function disorders on liver's glutathione, ATP and glycogen levels] Mach Z.
Przegl Lek 27:324-6, 1971 (Pol)

PHYSIOPATHOLOGY

[Adrenal hormones in patients with diffuse toxic goiter before and after surgery] Titov VN, et al.
Vestn Khir 105:18-21, Dec 70 (Rus)

THERAPY

[Peritoneal dialysis in the treatment of thyroid crisis] Herrmann J, et al.
Dtsch Med Wochenschr 96:742-5, 23 Apr 71 (Ger)
[Blood transfusion in the treatment of thyroid crisis] Gembicki M.
Endokrynol Pol 21:401-9, Jul-Aug 70 (Pol)
[Effect of neuroleptoanalgesia, type II (NLA II) on the course of experimental and clinical hyperthyroidism. IV. Surgical procedures in cases of uncompensated toxic goiter: controlled thyroid crisis] Zagrobelny Z.
Endokrynol Pol 21:481-91, Sep-Oct 70 (Pol)
[Effect of neuroleptoanalgesia, type II (NLA II) on the course of experimental and clinical hyperthyroidism. 3. Results of treatment of the surgical and medical thyroid crisis and the problem of emergency thyroidectomy] Zagrobelny Z.
Endokrynol Pol 21:469-80, Sep-Oct 70 (Pol)

THYROID DISEASES (C7)

Diseases of the thyroid gland. Deodhar SD.
Indian J Med Sci 25:271-4, Apr 71
Staff conference. St. Thomas Hospital. Parathyroid cysts within the thyroid gland. Total parenteral alimentation. Daniel RA Jr.
J Tenn Med Assoc 64:221-6, Mar 71
[Thyroid abscess in children] Nini N.
Ann Chir Infant 12:185-8, May-Jun 71 (Fre)
[Problems posed by the cold thyroid nodule] Robert J, et al. Bull Mem Soc Chir Paris 59:301-5, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 13:39-49, 1969 (Fre)
[A case of thyroid gland tuberculosis] Peumery JJ.
Rev Tuberc Pneumol (Paris) 34:1120-4, Dec 70 (Fre)
[Clinical use of scintillation counters in the study of thyreopathies] Ferlin G, et al.
Acta Isot (Padova) 8:125-32, 30 Oct 68 (Ita)
[Diffuse lipomatosis of the thyroid (struma lipomatosa)] Dalforno S, et al.
Cancro 22:613-7, 1969 (Ita)
[Case of calcification of the thyroid] Marcorelli E.
Nunt Radiol Suppl 1:159+, 1968 (Ita)
[Thyrotoxicosis and pregnancy] Heimann P.
Nord Med 84:1437, 5 Nov 70 (Swe)

BLOOD

Effects of synthetic pyroglutamyl-histidyl-proline-amide on serum levels of thyrotrophin, cortisol, growth hormone, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Kariberg B, et al.
Acta Endocrinol (Kbh) 67:288-302, Jun 71
Thyroid hormone relationships between maternal and fetal circulations in human pregnancy at term: a study in patients with normal and abnormal thyroid function. Robin NI, et al.
Am J Obstet Gynecol 108:1269-76, 15 Dec 70
Radioimmunoassay for human thyrotrophin. Clinical value in patients with normal and abnormal thyroid function. Mayberry WE, et al.
Ann Intern Med 74:471-80, Apr 71
Radioimmunoassay of human serum thyrotrophin. Hall R, et al. Br Med J 1:582-5, 13 Mar 71
Effects of treatment on tyrosine tolerance in thyroid disease. A modified tyrosine assay. Williams T, et al.
Clin Chem 17:148-51, Mar 71
Thyrotrophin and the T3-T4 ratio. Elewaut A, et al.
Lancet 1:1237, 12 Jun 71
Plasma-calcitonin in disorders of thyroid function. Fraser SA, et al. Lancet 1:725-6, 10 Apr 71
[The long acting thyroid stimulator (LATS) in some thyroid diseases. Preliminary results] Busnardo B, et al. Acta Isot (Padova) 8:165-79, 30 Oct 68 (Ita)
[In vitro binding of T3 with serum protein in various thyroid diseases] Shiomi K.
Folia Endocrinol Jap 47:69-83, 20 Apr 71 (Jap)
[Content of sulfhydryl compounds in the blood serum

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of children with thyroid diseases] Ostashevskaia MI. Pediatriia 49:75-6, Sep 70 (Rus)

CLASSIFICATION

Toxicity, nodularity, activity, autonomy--"coming to terms" in thyroid investigation. Wiener JD. J Nucl Med 12:318, Jun 71

[Classification of thyroid gland diseases] Klein E, et al. Dtsch Med Wochenschr 96:752-4, 23 Apr 71 (Ger)

[Classification of thyroid diseases] Klein E, et al. Med Klin 66:609-11, 16 Apr 71 (Ger)

[Criticism of the concept "hyperthyroid"] Deckart H, et al. Radiobiol Radiother (Berl) 11:501-17, 1970 (Ger)

COMPLICATIONS

Parathyroid and thyroid disease. II. Thyroid disease connected with hyperparathyroidism. Heimann P, et al. Acta Chir Scand 136:143-6, 1970

Parathyroid and thyroid disease. I. Parathyroid disease discovered during surgical exploration of the thyroid. Heimann P, et al. Acta Chir Scand 136:139-41, 1970

The association of squamous oesophageal cancer and thyroid disease. Arnott SJ, et al. Br J Cancer 25:33-6, Mar 71

Ocular manifestations of systemic diseases. Scheie HG, et al. DM 1-51, Feb 71

Thyroid hormones and the gut. Middleton WR. Gut 12:172-7, Feb 71 (45 ref.)

Adult cretinism resulting from cryptothyroidism. Shah PK, et al. Indian J Med Sci 25:103-5, Feb 71

Acral changes in thyroid disorders. Nixon DW, et al. N Engl J Med 284:1158-9, 20 May 71

Thyroid eye disease and its relationship to the long-acting thyroid stimulator. Hollows FC, et al. Trans Aust Coll Ophthalmol 1:37-44, 1969 (36 ref.)

[Enzymatic thyroid disorder in osteochondrodystrophy from an area of endemic degeneration] Kfemenová J, et al. Cas Lek Cesk 110:733-8, 30 Jul 71 (Cze)

[Myasthenic syndrome and dysthyroidism] Duc M, et al. Ann Endocrinol (Paris) 32:95-107, Jan-Feb 71 (Fre)

[Oculopalpebral motor deficiencies in dysthyroidism] Reny A, et al. Ann Endocrinol (Paris) 32:64-82, Jan-Feb 71 (Fre)

[Introduction to the study of muscular disorders in endocrinopathies] Schmitt J, et al. Ann Endocrinol (Paris) 32:57-63, Jan-Feb 71 (Fre)

[Can we speak of thyroid psychoses?] Léger JM, et al. Ann Med Psychol (Paris) 2:246-56, Jul 70 (Fre)

[Auto-immunity and thyroid pathology in the families of mongoloid subjects] Bastenie PA, et al. Bull Acad R Med Belg 8:865-77, 1968 (Fre)

[Relation between diabetes and thyroid diseases: clinical and physiologic concepts] Bastenie PA. Bull Acad R Med Belg 11:577-99, 1970 (Fre)

[Iodinated thyroid hormones and phosphocalcic metabolism] Bénichou C, et al. Sem Hop Paris 47:1625-9, 26 May 71 (Fre)

[Alopecia areata and diseases of the thyroid gland] Salamon T, et al. Dermatologica 142:62-3, 1971 (Ger)

[The association of thyroid disease and diabetes mellitus] Botteghelli R, et al. Minerva Med 61:5446-9, 28 Nov 70 (Ita)

[On the association of mongolism with thyroid autoimmunity] Vaccaro R, et al. Minerva Pediatr 23:252-7, 11 Feb 71 (Ita)

[Dysthyroid ophthalmopathy and its classification] Inoue Y, et al. Folia Ophthalmol Jap 22:62-4, Feb 71 (Jap)

[Thyroid myopathy; enzyme study] Pangaro Matienzo JA. Medicina (B Aires) 30:442-6, Sep-Oct 70 (Spa)

[Thyroid diseases and hyperparathyroidism] Hansson G, et al. Nord Med 84:1437, 5 Nov 70 (Swe)

CONGENITAL

[Congenital hyperplasia of the thyroid gland] Baldi F, et al. Riv Anat Patol Oncol 35:23-6, 1969 (Ita)

[Congenital hypoplasia of the thyroid gland] Menditto V. Riv Anat Patol Oncol 33:424-30, 1968 (Ita)

DIAGNOSIS

Reflexograph in evaluation of thyroid function in healthy children and in children with hormonal disturbances. Stopczyk K. Bull Pol Med Sci Hist 14:69-72, Apr 71

Radioisotope scanning in the management of benign thyroid disease. Charkes ND. Del Med J 42:227-31, Sep 70

The overblamed, and underblamed, thyroid gland. Hurwitz MM. Geriatrics 25:50-68, Oct 70

Computer study of thyroid diseases. II. Results. Gordon A, et al. Isr J Med Sci 6:333-40, May-Jun 70

Computer study of thyroid diseases. I. Methodology. Grover NB, et al. Isr J Med Sci 6:325-32, May-Jun 70

Thyroid disease in children. MacMillan DR. J Ky Med Assoc 68:787-9, Dec 70

The computer in the diagnosis of thyroid disease. Robin NI, et al. J Nucl Med 12:630-4, Sep 71

The dynamic thyroid study. A rapid evaluation of thyroid function and anatomy using 99mTc as pertechnetate. Ashkar FS, et al. JAMA 217:441-6, 26 Jul 71

Thermography in diagnosis of thyroid nodule. Karpman HA. JAMA 216:1646-7, 7 Jun 71

Fluorescent thyroid scanning: scanning without radioisotopes. Initial clinical results. Hoffer PB, et al. Radiology 99:117-23, Apr 71

Advantages of 99mTc pertechnetate for thyroid scanning in patients with decreased radioiodine uptake. Strauss HW, et al. Radiology 97:307-10, Nov 70

Radioactive iodine uptake test. Siebert R, et al. Southwest Med 52:58-61, Mar 71

[Importance of individual diagnostic tests in differential diagnosis of the disorders of the thyroid functions. Preliminary results in a small group of patients. V. T3 test in vitro determined by Sephadex filtration] Bednář J, et al. Cas Lek Cesk 110:535-8, 1971 (Cze)

[Significance of individual diagnostic tests in the differential diagnosis of thyroid function disorders. Preliminary results on a minor patient collective. II. Evaluation of the time course of Achilles tendon reflex] Němec J, et al. Cas Lek Cesk 110:43-6, Jan 71 (Cze)

[Significance of individual diagnostic tests in the differential diagnosis of thyroid function disorders. Preliminary results on a minor patient collective. 3. Comparison of PBI-131 data 24 and 48 hours following diagnostic dosage administration] Němec J, et al. Cas Lek Cesk 110:93-5, Jan 71 (Cze)

[Radioisotope diagnosis of thyroid gland diseases] Němec J, et al. Cas Lek Cesk 109:1039-41, 23 Sep 70 (Cze)

[Importance of different diagnostic tests in the differential diagnosis of impaired thyroid function. IV. Conversion factor and its evaluation. Preliminary results obtained in a small group of patients] Röhling S, et al. Cas Lek Cesk 110:399-401, Apr 71 (Cze)

[Migration of protein-bound iodine and free capacities of thyroxine and triiodothyronine-binding proteins after hyperventilation] Soumar J, et al. Cas Lek Cesk 110:365-7, 1971 (Cze)

[Fine needle biopsy of thyroid gland] Thommesen P. Ugeskr Laeger 133:1213-5, 25 Jun 71 (Dan)

[Comparison of technetium 99m and iodine 131 in thyroid scanning] Massin JP, et al. Ann Endocrinol (Paris) 31:962-8, Sep-Oct 70 (Fre)

[Contribution of ultrasonics to the diagnosis of thyroid diseases] Robert J, et al. Ann Endocrinol (Paris) 32:114-23, Jan-Feb 71 (Fre)

[Effects of TSH on some secretory thyroid nodules] Vague J, et al. Ann Endocrinol (Paris) 31:666-80, Jul-Aug 70 (Fre)

[Diagnostic value of cold thyroid nodule. Therapeutical aspects] Bertocchi R. J Radiol Electrol Med Nucl 52:222-8, Mar-Apr 71 (Fre)

[Mammary and thyroid echography] Gros C, et al. J Radiol Electrol Med Nucl 51:1393-4 passim, 20 Jun 70 (Fre)

[Thermographic exploration of the thyroid body] Gros C, et al. J Radiol Electrol Med Nucl 49:791-7, Nov 68 (Fre)

[Basedowian thyroid diseases] Gilbert-Dreyfus. Lille Med 16:93-9, 1971 (Fre)

[The blast transformation test (T.T.L.) applied to the diagnosis of autoimmune diseases. Preliminary results with typroid and DNA antigens] Reinert P, et al. Presse Med 79:1279-81, 5 Jun 71 (Fre)

[Recent information on the diagnosis of thyroid diseases] Studer H, et al. Rev Med Suisse Romande 90:561-6, Jul 70 (Fre)

[The in vitro triiodothyronine test with Wofatit CP as a supplement to the radioiodine-2-phase study] Franke WG, et al. Dtsch Gesundheitsw 25:2289-93, 26 Nov 70 (Ger)

[Preoperative diagnosis and peroperative conservative therapy of the thyroid gland diseases] Freyschmidt P. Dtsch Med J 20:695-9, 5 Dec 69 (Ger)

[Diagnostic methods in thyroid gland diseases] Schulte P. Dtsch Med Wochenschr 95:2487-90, 4 Dec 70 (Ger)

[Nuclear medical diagnosis of thyroid gland diseases in childhood] Apitz H. Kinderaerztl Prax 39:105-13, Mar 71 (Ger)

[Peculiarities of radio-iodine diagnostics and indication for surgery in solitary and multiple adenomas of the thyroid gland in children] Thiemann KJ, et al. Langenbecks Arch Chir 322:1223-7, 1968 (Ger)

[Radio-iodine test and clinical findings. Evaluation of 876 cases] Heilmann HP, et al. Munch Med Wochenschr 112:300-4, 13 Feb 70 (Ger)

[Does a point system for hyperthyroidism symptom complex justify rejection of further thyroid diagnosis?] Möpert S, et al. Radiobiol Radiother (Berl) 11:179-87, 1970 (Ger)

[Defects of accumulation of thyroid scintigram and demonstration of autoantibodies] Sievers P, et al. Radiobiol Radiother (Berl) 11:299-303, 1970 (Ger)

[Achilles tendon reflexometry in the diagnosis of thyroid gland diseases] Knappe G, et al. Z Aerztl Fortbild (Jena) 65:289-93, 15 Mar 71 (Ger)

[Pediatric guidelines. 38. Thyroid diseases] Reuter G, et al. Z Aerztl Fortbild (Jena) 64:921-5, 15 Sep 70 (Ger)

[Hormonal disorders of the thyroid gland and their roles in blood circulation tests (ICD 240-246)] Martin G, et al. Z Allgemeinmed 47:579-84, 20 Apr 71 (Ger)

[Improvement of thyroid gland function diagnostic tests through the determination of total serum thyroxine and a free thyroxin index] Riccabona G, et al. Z Allgemeinmed 46:1483-6, 31 Oct 70 (Ger)

[Our experiences with immunologic studies in thyroid diseases] Bratkowska-Seniów B, et al. Z Gesamte Inn Med 24:Suppl:106-7, 1 Jan 69 (Ger)

[Clinical use of scintillation counters in the study of thyreopathies] Ferlin G, et al. Acta Isot (Padova) 8:125-32, 30 Oct 68 (Ita)

[Scintigraphy in thyroid pathology] Di Lauro E, et al. Arch Ital Laringol 76:303-15, Sep-Oct 68 (Ita)

[Scintiscanning of the thyroid with Tc99m in pediatrics] Mussa GC, et al. Minerva Pediatr 23:501-6, 24 Mar 71 (Ita)

[Closed treatment of simple thyroid cysts] Musella M, et al. Rass Int Clin Ter 50:1210-4, 15 Oct 70 (Ita)

[Thyroid and its diseases. Diagnosis and differential diagnosis of thyroid diseases] Torizuka K. Jap Arch Intern Med 17:285-306, Sep 70 (Jap)

[Statistical data on thyroid iodine uptake. I. I-131 uptake after 6 hours (T6) and after 24 hours (T24)] Doroszewski J, et al. Pol Przegl Radiol 35:309-19, May-Jun 71 (Pol)

[Results of thyroid scintigraphy with technetium-99m in children and adolescents] Górowski T, et al. Pol Tyg Lek 25:1527-30, 12 Oct 70 (Pol)

[Numerical diagnostic index for the functional characterization of patients with autonomous thyroid nodules] Ferraz AR. Rev Assoc Med Bras 17:39-46, Feb 71 (Por)

[P32 uptake in the diagnosis of nodular thyroid diseases] Dumitriu L, et al. Stud Cercet Endocrinol 21:425-31, 1970 (Rum)

[Use of the 8th day test in patients with high values of thyroid radioiodine uptake in 24 hours] Chiessa ME, et al. Rev Argent Endocrinol Metab 14:137-43, Sep 68 (Spa)

[Thyroid cold zones. Evaluation of the scanning findings] Montoya Agudo V, et al. Rev Clin Esp 115:383-6, 15 Dec 69 (Spa)

[Diagnostic value of total serum thyroxine] Claure H, et al. Rev Med Chil 98:725-8, Nov 70 (Spa)

[Diagnostic value of plasma free fatty acids in thyroid diseases] Kaptanoğlu Z, et al. Tip Fak Mecm 32:403-12, 1969 (Tur)

[Clinical value of the method for the determination of thyroxine by competative protein binding analysis] Mitra Z, et al. Med Glas 24:466-9, Oct-Nov 70 (Cro)

DRUG THERAPY

[Use of beta receptor blockaders in thyroid pathology] Bricaire H, et al. Ann Med Interne (Paris) 122:249-53, Feb 71 (Fre)

[When and how to prescribe thyroid hormones] Merchie G. Rev Med Liege 24:445-51, 1 Jun 69 (Fre)

[Dosage of a combined preparation of synthetic thyroxine and triiodothyronine in children] Wiebel J, et al. Dtsch Med Wochenschr 95:2328-32, 13 Nov 70 (Ger)

[Simultaneous administration of L-thyroxine and L-triiodothyronine to patients with thyroid function disorders] Ramdohr B, et al. Munch Med Wochenschr 110:2300-3, 4 Oct 68 (Ger)

[Antithyroid action of hydantoin derivatives] Romero E, et al. Rev Iber Endocrinol 17:363-75, Sep-Oct 70 (Spa)

[Perinatal thyroid dysfunction] Olin P. Nord Med 84:1253-4, 24 Sep 70 (Swe)

ENZYMOLOGY

[Enzymatic thyroid disorder in osteochondrodystrophy from an area of endemic degeneration] Kfemenová J, et al. Cas Lek Cesk 110:733-8, 30 Jul 71 (Cze)

[Variations of the activity of dehydrogenases of aerobic and anaerobic glycolysis, of peroxidases and of DNA in normal and pathological thyroid glands cultured in vitro] Tsaci C, et al. Ann Endocrinol (Paris) 31:599-608, Jul-Aug 70 (Fre)

ETIOLOGY

[Gonadal dysgenesis and thyroid diseases] Guinet P, et al. Rev Lyon Med 18:437-53, Jul-Aug 69 (Fre)

[25 cases of thyroid cold nodules] Derghazarian CB. Union Med Can 99:1852-5, Oct 70 (Fre)

[Perinatal thyroid dysfunction] Olin P. Nord Med 84:1253-4, 24 Sep 70 (Swe)

FAMILIAL & GENETIC

A study of two families with multiple autoimmune disease. McConnell AA, et al. Ir J Med Sci 3:463-73, Oct 70

[Dermatoglyphic study of some thyroid diseases] Arroyo H, et al. Ann Endocrinol (Paris) 31:681-6, Jul-Aug 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

IMMUNOLOGY

Renal tubular acidosis and autoimmune thyroid disease. Mason AM, et al. Lancet 2:1104-7, 28 Nov 70
[Evaluation of the study of thyroid autoantibodies by indirect immunofluorescence in 317 individuals. Histopathological comparison in 102 cases] Codaccioni JL, et al.
Ann Endocrinol (Paris) 32:172-82, Jan-Feb 71 (Fre)
[Demonstration of antithyroid antibodies with a passive hemagglutination test using glutaraldehyde as coupling agent] Tribouley J, et al.
C R Acad Sci [D] (Paris) 272:1462-4, 8 Mar 71 (Fre)
[Immunologic problems in thyroid diseases] Höfer R, et al. Z Gesamte Inn Med 24:Suppl:91-8, 1 Jan 69 (Ger)
[Determination of thyroid antibodies using the Boyden test] Meng S, et al.
Z Gesamte Inn Med 24:Suppl:98-101, 1 Jan 69 (Ger)
[Experiences with the determination of thyroid antibodies] Sievers P, et al.
Z Gesamte Inn Med 24:Suppl:101-3, 1 Jan 69 (Ger)
[Comparative serologic study of thyroid antigens in clinical patient material] Torgyán S.
Orv Hetil 111:2058-60, 30 Aug 70 (Hun)
[Immunocytoadherence] Loni C.
Folia Allergol (Roma) 18:207-14, May-Jun 71 (Ita)
[Detection of antithyroid antibodies in normal subjects and patients with thyroid diseases] Cavagnini F, et al.
Folia Endocrinol (Roma) 23:25-40, Feb 70 (Ita)
[Radioimunologic doseof thyrotropin hormoe. Prelilnary resul] Vigneri R, et al.
Folia Endocrinol (Roma) 23:314-30, Jun 70 (Ita)
[The test of blastic transformation of lymphocytes in the presence of thyroid antigens] Moulias R, et al.
G Clin Med 50:753-60, Sep 69 (Ita)
[Antinuclear antibodies as a prodrome of immunological processes in thyroid diseases] Kolarzowska B. Pol Tyg Lek 26:857-9, 7 Jun 71 (Pol)
[Autoimmunization in thyroid diseases in children] Rybakowa M. Przegl Lek 27:436-8, 28 Jun 71 (Pol)
[Antigens of normal and pathologically changed human thyroid gland] Siniakov BS, et al.
Sov Med 33:125-31, Sep 70 (45 ref.) (Rus)

METABOLISM

Inhibition of sorbitol oxidation by ethanol in intact rats pretreated with triiodothyronine or propyl thiouracil. Hillbom ME. Biochem Pharmacol 19:483-6, Feb 70
[Study of the metabolism of inorganic iodine in thyroid diseases. Methodological collation and statistical analysis] Jaffiol C, et al.
Ann Endocrinol (Paris) 31:957-61, Sep-Oct 70 (Fre)
[Kinetics of iodide in humans. Analysis by computer and tricompartmental model. II. Application to anomalies of thyroid hormonogenesis with positive perchlorate test] Savoie JC, et al.
Ann Endocrinol (Paris) 31:699-706, Jul-Aug 70 (Fre)
[On the behavior of plasmatic and urinary magnesium in patients with thyroid diseases] Abate S, et al.
Rass Int Clin Ter 51:861-7, 31 Jul 71 (Ita)

MICROBIOLOGY

A case of hydatid disease of the thyroid gland. Porges SB. Med J Aust 1:641-2, 20 Mar 71

OCCURRENCE

Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation. Weiss ES, et al.
Am J Public Health 61:241-9, Feb 71
Diagnosis and management of non-toxic thyroid disease. Cox PA, et al.
Med Ann DC 39:633-6 passim, Dec 70
Maternal thyroid disease and twinning. De George FV.
Nature (Lond) 228:681, 14 Nov 70
Diagnosis and management of non-toxic thyroid isease. Cox PA, et al. Presse Med 79:663-6 passim, 9 Jan 71

PATHOLOGY

Roentgenographic-histologic patterns of calcification in thyroid nodules. Fujimoto Y, et al.
Endocrinol Jap 17:263-72, Aug 70
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Baschieri L, et al.
Probl Actuels Endocrinol Nutr 13:7-21, 1969 (Fre)
[Principles of thyroid cytology] Frahm H, et al.
Med Welt 18:746-9, 1 May 71 (Ger)
[Fibrous tuberculosis of the thyroid gland] Bolis GB.
Lav Ist Anat Istol Patol Perugia 30:129-36, 1970 (Ita)
[Atypical squamous metaplasia of the thyroid follicular epithelium in a case of multiple myeloma with involvement of the thyroid] Bianchi C, et al.
Riv Anat Patol Oncol 35:430-40, 1969 (Ita)
[Hurthle-Askinazi cells] Rudnitskaia Alu.
Arkh Patol 32:38-42, 1970 (Rus)

PHYSIOPATHOLOGY

Studies on the taste thresholds of patients with thyroid diseases for bitter substances. Narita S.
Fukushima J Med Sci 17:13-9, 1970
Achilles reflex time in thyroid disorders. Zachmann M, et al. J Pediatr 78:183-5, Jan 71
[A method for photoelectric registration of the Achilles tendon reflex in thyroid diseases] Wascher H, et al. Med Welt 18:775-8, 1 May 71 (Ger)
[Achilles tendon reflex in thyroid diseases] Anselmi E. Policlinico [Prat] 76:454-8, 7 Apr 69 (Ita)
[Cerebral excitability and reactivity to intermittent light stimulation (ILS) in thyroid diseases] Cernibori A, et al. Rass Neurol Veg 23:202-18, 1969 (Ita)
[Change in the functioning of the thyroid gland under the chronic effect of an ultrahigh frequency field] D'iachenko NA. Gig Tr Prof Zabol 14:51-2, Jul 70 (Rus)
[Hemodynamic indices in patients with thyroid gland diseases before and after surgery] Karaev IK, et al.
Vestn Khir 103:64-9, Aug 69 (Rus)

RADIOGRAPHY

Thyroid lymphography. Beales JS, et al.
Br J Surg 58:168-71, Mar 71
Thyroid lymphography. Nundy S, et al.
Br J Surg 58:294, Apr 71
The identification of hot and cold thyroid lesions at operation and its place in the surgical management of carcinoma of the thyroid. Dobyns BM, et al.
Bull Soc Int Chir 29:375-80, Nov-Dec 70
Roentgenographic-histologic patterns of calcification in thyroid nodules. Fujimoto Y, et al.
Endocrinol Jap 17:263-72, Aug 70
[Radiologic aspects of the pathology of the thyroid gland] Bercu G. J Belge Radiol 53:468-80, 1970 (Fre)
[Radiography of thyroid cysts] Thommesen P.
Fortschr Geb Roentgenstr Nuklearmed 114:616-9, May 71 (Ger)
[Angiography of the thyroid gland] Petračić B, et al.
Liječ Vjesn 92:87-92, 1970 (Cro)

RADIOTHERAPY

[Treatment of heart diseases with radioactive iodine] Himbert J, et al.
Ann Med Interne (Paris) 121:987-1000, Dec 70 (Fre)
[Thyroid gland diseases from the radiological viewpoint] Schumacher W.
Dtsch Med J 20:706-8, 5 Dec 69 (Ger)

SURGERY

Surgery for the solitary thyroid nodule. Sanders GB.
J Ky Med Assoc 69:34-6, Jan 71
[Surgery of cold thyroid nodules] Martin ED.
Bull Mem Soc Chir Paris 59:306-8, 1969 (Fre)
[A case of hydatid cyst of the thyroid body] Soustelle J, et al. Lyon Chir 65:589-90, Jul-Aug 69 (Fre)
[Radioactive iodine and thyroid surgery] Soustelle J, et al. Lyon Chir 67:72-5, Jan-Feb 71 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Massin JP, et al.
Probl Actuels Endocrinol Nutr 13:51-7, 1969 (Fre)
[Preoperative diagnosis and peroperative conservative therapy of the thyroid gland diseases] Freyschmidt P.
Dtsch Med J 20:695-9, 5 Dec 69 (Ger)
[Experiences with functionally critical thyroid gland surgery] Stieber KH.
Dtsch Med J 20:699-701, 5 Dec 69 (Ger)
[Pathological changes of the thyroid gland and tracheotomy] Prüfer HJ.
Zentralbl Chir 96:936-42, 10 Jul 71 (Ger)
[Surgical indication in benign nodules of the thyroid gland] Inagaki H.
Surg Ther (Osaka) 24:499-505, May 71 (Jap)
[Hemodynamic indices in patients with thyroid gland diseases before and after surgery] Karaev IK, et al.
Vestn Khir 103:64-9, Aug 69 (Rus)

THERAPY

[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Baschieri L, et al.
Probl Actuels Endocrinol Nutr 13:7-21, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Lahneche B, et al.
Probl Actuels Endocrinol Nutr 13:23-37, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Soumar J, et al.
Probl Actuels Endocrinol Nutr 13:59-65, 1969 (Fre)
[On the thyroid gland] Cuneo M.
Minerva Chir 26:101-3, 31 Jan 71 (Ita)

URINE

Urinary hydroxyproline and thyroid disease. Goldie DJ, et al. Br Med J 1:404, 13 Feb 71
The renal clearance of radiophosphate in thyroid disease. Gennari C, et al.
J Nucl Biol Med 13:103-5, Jul-Sep 69
[Hydroxyprolinuria in thyroid diseases] Mirouze J, et al. Ann Endocrinol (Paris) 32:132-7, Jan-Feb 71 (Fre)

THYROID GLAND (A6)

see also related
STRUMA OVARII (C2)

Characterisation of long-acting thyroid stimulator gamma-G binding protein. Smith BR.
Biochim Biophys Acta 229:649-62, 23 Mar 71
Comparison of scanning and palpation in the assessment of the weight of the thyroid gland. Malamos B, et al. Endokrinologie 56:223-40, 1970
LATS inhibition by a soluble lipoprotein from human thyroid gland. Chopra IJ, et al.
J Clin Endocrinol Metab 32:773-8, Jun 71
Results of thyroid and whole-body counting of some medical and paramedical personnel. Shlelen B, et al.
J Nucl Med 12:533-5, Jul 71
[Observations on virological work with swine thyroid cell-cultures] Liebermann H, et al.
Arch Exp Veterinaermed 24:559-69, 1970 (Ger)
[Successive abdominal scintillation with 131-I-tagged BSP--description of the thyroid gland, kidney and spleen (comparison with 131-I-RB)] Imaeda T, et al.
Rinsho Hoshasen 15:809-17, Nov 70 (Jap)
[Goiter-inducing effects of milk. 3. Changes in thyroid weight. Study of thyroid function using I-131] Muñoz-Rodriguez M.
Rev Esp Fisiol 26:203-8, Sep 70 (Spa)

ABNORMALITIES

The lingual thyroid. Its diagnosis and treatment. Katz AD, et al. Arch Surg 102:582-5, Jun 71
Histophysiological studies on the pharyngeal and ectopic renal thyroid of the Indian mud-eel Amphipnous cuchia (Ham.). Srivastava SS, et al.
Endokrinologie 57:260-9, 1971
Lingual thyroid: report of case. McDaniel RK, et al.
J Am Dent Assoc 81:1156-8, Nov 70
Thyroid hemiagenesis. Russotto JA, et al.
J Nucl Med 12:186-7, Apr 71
Defective iodide organification in "cryptothyroidism". Smith JD, et al.
J Okla State Med Assoc 63:195-9, May 70
Ectopic lingual thyroid. Sauk JJ Jr.
J Pathol 102:239-43, Dec 70
A new rapid technique for the lodalization of abnormalities in migration of the thyroid gland. Ashkar FS, et al. J Pediatr 78:870-3, May 71
99m Tc pertechnetate for detection of cryptic thyroid tissue in childhood hypothyroidism. Hayek A, et al.
J Pediatr 79:466-8, Sep 71
Familial thyroid disease: lingual thyroid in two siblings and hypoplasia of a thyroid lobe in a third. Orti E, et al.
J Pediatr 78:675-7, Apr 71
Carcinoma of the lingual thyroid. Potdar GG, et al.
Laryngoscope 81:427-9, Mar 71
Thyroid tissue within the larynx. Case report.
Richardson GM, et al. Laryngoscope 81:120-5, Jan 71
Lingual thyroid. Davis C. Med J Aust 1:392-3, 13 Feb 71
Lingual thyroid. Wiseman J, et al.
Med J Aust 1:874-5, 17 Apr 71
Lingual thyroid. Report of a case. Keen RR, et al.
Oral Surg 31:627-30, May 71
Lingual thyroids. Goh EH.
Singapore Med J 12:46-9, Feb 71
Surgical correction of complete lingual ectopia of the thyroid gland. Steinwald OP Jr, et al.
Surg Clin North Am 50:1177-86, Oct 70
Lateral unilobular thyroid. Ellingson EA.
Tex Med 66:78-81, Dec 70
[Apropos of a case of intratracheal localization of thyroid tissue] Nouzha E, et al.
Ann Chir Thorac Cardiovasc 10:209-12, 1971 (Fre)
[Kinetics of iodide in humans. Analysis by computer and tricompartmental model. I. Application to athyroidism and simple goiter] Savoie JC, et al.
Ann Endocrinol (Paris) 31:688-98, Jul-Aug 70 (Fre)
[Abnormalities and ectopias of the thyroid gland. Criteria of diagnosis and therapy] Marchegiani C, et al. Ann Ital Chir 45:589-607, 1969 (Ita)
[On 3 cases of congenital hypothyroidism with lingual ectopic thyroid] Trabalza N, et al.
Clin Pediatr (Bologna) 51:233-50, May 69 (Ita)
[Lingual thyroid formation in pathology and radioisotope diagnosis] Faicetti E, et al.
Nunt Radiol 34:335-54, Sep 68 (Ita)
[Surgery of the sublingual thyroid gland] Hakata H, et al. Otolaryngology (Tokyo) 43:461-4, Jun 71 (Jap)
[Lingual thyroid] Watanabe K, et al.
Rinsho Hoshasen 16:361-71, May 71 (Jap)
[So-called lateral aberrant thyroid] Takamatsu O.
Shujutsu 24:1384-91, Nov 70 (Jap)
[Ectopic thyroid (report of 2 cases)] Kahtalian A, et al.
Hospital (Rio de J) 78:69-83, Jul 70 (Por)
[Intratracheolaryngeal goiter] Revo VV.
Vestn Otorinolaringol 32:105-6, Jul-Aug 70 (Rus)
[Aberrant lingual thyroid: presentation of 2 cases] De Azúa Alonso R, et al.
Acta Otorinolaryngol Iber Am 21:279-6, 1970 (Spa)
[Ectopic thyroid and hypothyroidism] Salto Hernández L, et al. Rev Clin Esp 117:9-16, Apr 70 (Spa)

ANALYSIS

Experimental procedures leading to a relative accumulation of non-thyroglobulin thyroidal iodocompounds in rat thyroid glands. Kohler H, et al.
Acta Endocrinol (Kbh) 67:216-24, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Fractionation of 3-8S iodocompounds of the rat thyroid. II. The presence and behaviour of a thyroidal iodide-binding peptide (TIP). Spira O, et al. Acta Endocrinol (Kbh) 67:241-8, Jun 71
Fractionation of 3-8S iodocompounds of the rat thyroid. I. Dialyzable and non-dialyzable iodocompounds. Spira O, et al. Acta Endocrinol (Kbh) 67:225-40, Jun 71
The determination of iodine in thyroid gland with epithermal neutrons. Brune D, et al. Anal Chim Acta 53:372-3, Nov 70
Comparison of the amounts of inorganic iodine recovered by paper electrophoresis of digested, homogenized and intact rat thyroid lobes. Lybeck H, et al. Ann Med Exp Biol Fenn 49:97-100, 1971
Free iodothyronines in the rat thyroid gland. Halbach H. Endocrinology 88:149-54, Jan 71
Thyroglobulin in fractions of thyroid homogenate. Konno N, et al. Endocrinology 87:1069-74, Nov 70
3H-Vitamin A and rat thyroid: autoradiographic observations. Sherman BS. Experientia 26:1355-6, 15 Dec 70
131-I in children's thyroids. Nelson IC. Health Phys 19:832-4, Dec 70
Ultrastructural localization of calcitonin in C-cells of dog thyroid; an immunocytochemical study. Kalina M, et al. Histochemie 26:1-8, 1971
Thyroid albumin. I. Isolation and purification. Jonckheer MH, et al. J Clin Endocrinol Metab 32:7-17, Jan 71
Calcium, iodine and phosphorus distributions in human thyroid glands by electron-probe microanalysis. Robison WL, et al. J Clin Endocrinol Metab 32:786-95, Jun 71
Chromatographic studies of thyroid hormones in thyroid tissue of various conditions. Boonnamsiri V, et al. J Med Assoc Thai 53:617-26, Sep 70
Differences in composition and function of iodinated substances in stimulated thyroid glands. Middlesworth LV, et al. Metabolism 19:773-84, Oct 70
Microprobe analysis of localized concentrations of metals in various human tissues. Carroll KG, et al. Oncology 25:11-8, 1971
Micropuncture investigation of the anion content of colloid from single rat thyroid follicles. A micromethod for the simultaneous determination of iodide and chloride in nanomole quantities. Hayden LJ, et al. Pfluegers Arch 321:173-86, 1970
Difference in isoelectric point of 27S and 19S thyroidal iodoproteins determined by isoelectric focusing. Ceriani RL, et al. Proc Soc Exp Biol Med 136:1351-4, Apr 71
Analysis of iodine-131 data in bovine thyroids, October 1964 through February 1969. Russell JL, et al. Radiol Health Data Rep 11:573-9, Nov 70
Hamster ultimobranchial bodies: histochemical study during development. Howk DJ, et al. Trans Am Microsc Soc 89:355-67, Jul 70
[Analysis of human thyroid soluble proteins of low molecular weight (fraction 3-8 S): studies in vivo and in organ culture] Ceriani R, et al. C R Acad Sci [D] (Paris) 272:2089-92, 19 Apr 71 (Fre)
[Distribution of calcium in the thyroid gland of some mammals] Martoja M. C R Acad Sci [D] (Paris) 272:3173-5, 21 Jun 71 (Fre)
[Trial automatic analysis of iodinated (127 I) amino acids in the thyroid gland of the amphibious vole (Arvicola amphibius) by chromatography and colorimetric determination] Turckheim M de, et al. C R Soc Biol (Paris) 164:307-12, 25 Sep 70 (Fre)
[Biological activity of proteins extracted with sulphosalicylic acid from human and animal thyroid glands] Wieczorek E, et al. Acta Physiol Pol 21:227-34, Mar-Apr 70 (Pol)
[Protein-bound iodine in plasma and thyroid glands of the descendants of hypothyroid rats] Gol'ber LM, et al. Biull Eksp Biol Med 68:51-3, Jun 69 (Rus)
[Studies of the thyroid gland] Mitev I, et al. Folia Med (Plovdiv) 11:259-66, 1969 (Rus)
[Some characteristics of sulfhydryl (SH) group levels in serum and thyroid tissue of patients with diffuse toxic goiter] Livergant IuE, et al. Probl Endokrinol (Mosk) 16:10-5, May-Jun 70 (Rus)

ANATOMY & HISTOLOGY

Studies on the thyroid gland of the nile teleost fish, Clarias lazera, C. and V. Rizkalla W. Acta Vet Acad Sci Hung 20:129-38, 1970
Seasonal changes in the thyroid gland of the palm squirrel funambulus pennanti (Wroughton) with a note on the occurrence of parasites. Vijayan E, et al. Endokrinologie 58:27-36, 1971
Age changes in the weight of the thyroid glands of swine from birth to eight years. Haensly WE, et al. Exp Gerontol 5:203-11, Sep 70
The thymus in the chicken and its anatomical relationship to the thyroid. Panigraphi D, et al. J Immunol 107:289-92, Jul 71
Structure of the thyroid of some teleosts having accessory respiratory organs. Srivastava SS, et al. Z Mikrosk Anat Forsch 83:237-45, 1971
[Functional morphlogy of the endostyle and the thyroid of Lampetra planeri Bloch. I. Studies of the endostyle] Hoheisel G. Gegenbaurs Morphol Jahrb 114:204-40, 1969 (Ger)
[Experimental studies on the correlation of thyroid gland morphology and function in the rat] Zimmermann HD, et al. Verh Dtsch Ges Pathol 54:367-71, 1970 (Ger)

BLOOD SUPPLY

Blood flow and radioiodine uptake in the thyroid gland of rats after administration and discontinuation of methylthiouracil. Kapitola J, et al. Acta Endocrinol (Kbh) 65:435-41, Nov 70
Anastomoses and territories of arterial blood supply. Ichev K. Nauchni Tr Vissh Med Inst Sofiia 49:1-5, 1970
[Regulation of thyroid gland blood flow with regard to the function of thyroid gland] Kapitola J. Cesk Fysiol 19:295-300, Feb 71 (Cze)
Effect of acute and chronic physical exertion, as well as some humoral factors on the volume of blood flowing through endocrine glands] Derevenco P, et al. Endokrinologie 57:297-304, 1971 (Ger)
[Value of combined angiography and scintigraphy for the diagnosis of thyroid diseases] Schmidt H, et al. Fortschr Geb Roentgenstr Nuklearmed 112:469-78, Apr 70 (Ger)
[Ultrastructural features of the terminal blood vessel system under various physiological and pathological influences] Itschev K. Z Mikrosk Anat Forsch 83:305-13, 1971 (Ger)
[Research of an anatomo-surgical nature of thyroid and parathyroid collateral circulation and on its importance in thyroidectomy] Umidon M, et al. Minerva Chir 22:831-43, 15 Aug 67 (Ita)
[Thyroidea ima artery] Hachiya J. Rinsho Hoshasen 16:372-3, May 71 (Jap)
[Conformational lability of the cytoplasmic membrane in adventitial cells] Voitkevich AA, et al. Dokl Akad Nauk SSSR 185:1153-6, 11 Apr 69 (Rus)

CYTOLOGY

Ultrastructure of thyroid glands transplanted into the anterior eye chamber of thyroidectomized rats. Pantić V, et al. Acta Anat (Basel) 75:533-45, 1970
Secretory processes in follicular cells of the bat thyroid. I. Ultrastructural changes during the pre-, early and mid-hibernation periods with some comments on the origin of autophagic vacuoles. Nunez EA, et al. Am J Anat 129:369-97, Dec 70
Secretory processes in follicular cells of the bat thyroid. II. The occurrence of organelle-associated intercellular junctions during late hibernation. Nunez EA. Am J Anat 131:227-39, Jun 71
Microscopic study of the thyroid gland of the Asiatic water buffalo (Bubalus bubalis). Mathur ML. Am J Vet Res 32:363-6, Feb 71
Fine structure of a third epithelial component of the thyroid gland of the rat. Calvert R, et al. Anat Rec 168:23-41, Sep 70
C cell follicles in the dog thyroid: demonstration by in vivo perfusion. Teitelbaum SL, et al. Anat Rec 168:69-77, Sep 70
Perinatal thyroid discharge. A histological study of 1225 infant thyroids. Sagreiya K, et al. Arch Dis Child 45:746-54, Dec 70
The occurrence of a special parafollicular cell complex in and beside the dog thyroid gland. Kameda Y. Arch Histol Jap 33:115-32, Jun 71
Endocytosis in dissociated thyroid cells. Quantitation by exogenous horseradish peroxidase. Kalderon AE, et al. Arch Pathol 92:93-7, Aug 71
Light-microscopic studies upon the pituitary-thyroid system in the puberal rats. Morishita H, et al. Endocrinol Jap 17:307-12, Aug 70
Identification of large sized polyribosomes in bovine thyroid glands. De Nayer P, et al. Endocrinology 88:783-6, Mar 71
TSH-induced appearance and stimulation of amine-containing mast cells in the mouse thyroid. Melander A, et al. Endocrinology 89:528-33, Aug 71
Biosynthesis of thyroglobulin related to the ultrastructure of the human fetal thyroid gland. Olin P, et al. Endocrinology 87:1000-14, Nov 70
Involvement of the microtubule-microfilament system in thyroid secretion. Nève P, et al. Exp Cell Res 63:457-60, Dec 70
Effects in vitro of thyrotropin, cyclic 3',5'-AMP, dibutyryl cyclic 3',5'-AMP, and prostaglandin E1 on the ultrastructure of dog thyroid slices. Nève P, et al. Exp Cell Res 63:285-92, Dec 70
Morphology of the parafollicular cells and their relationship to the other endocrine tissues of the thyroid. II. Observations in the sheep, rabbit and cat thyroid. Velický J. Folia Morphol (Praha) 19:97-104, 1971
Morphology of the parafollicular cells and their relationship to the other endocrine tissues of the thyroid. IV. Experimental administration of 4-methyl-2-thiouracil. Velický J. Folia Morphol (Praha) 19:125-31, 1971
Morphology of parafollicular cells and their relationship to the rest of endocrine tissue of the thyroid. I. Observations in the thyroid gland of some rodents. Velický J. Folia Morphol (Praha) 18:389-95 passim, 1970
Fine structure of the thyroid follicle of the Pacific hagfish, Eptatretus stouti. Henderson NE, et al. Gen Comp Endocrinol 16:409-29, Jun 71
Cytological and functional properties of the thyroid of a chimaeroid fish, Hydrolagus colliei. Nakai Y, et al. Gen Comp Endocrinol 13:285-302, Oct 69
The preservation of specialization by dispersed steer thyroidal cells in long-term culture. Siegel E. J Cell Sci 9:49-60, Jul 71
Effect of reduced food intake on thyroid cell height and goitrogenic response in rats. Doniach I, et al. J Endocrinol 49:71-7, Jan 71
Cytoplasmic bodies with a crystalline substructure in the follicular cells of the mouse thyroid gland. Kifvin LG. J Ultrastruct Res 34:345-57, Feb 71
The early phase of endocytosis in rat thyroid follicle cells. Seljelid R, et al. Lab Invest 23:595-605, Dec 70
Parafollicular cells in the normal human thyroid. Teitlebaum SL, et al. Nature (Lond) 230:334-5, 2 Apr 71
The routine demonstration of C cells in human and animal thyroid glands. Value of a simple silver stain. De Grandi P. Virchows Arch [Zellpathol] 6:137-50, 1970
Ultrastructure and histochemistry of the ultimobranchial body of fresh-water turtles. Khairallah LH, et al. Z Zellforsch Mikrosk Anat 113:311-21, 1971
[Intervention of the microtubule-microfilament system in the secretory process of thyroid gland] Nève P, et al. Ann Endocrinol (Paris) 32:183-7, Jan-Feb 71 (Fre)
[In vitro reassociation of cells isolated from porc ine thyroid and the biosynthesis of thyroglobulin. I. Conditions for the induction of cellular reassociations by thyreostimulin] Fayet G, et al. Bull Soc Chim Biol (Paris) 52:299-306, 17 Apr 70 (Fre)
[Morphodynamic study of the thyroid gland under the dialysis membrane] Robineaux R, et al. Sb Ved Pr Lek Fak Karlovy Univ 13:233-4, 1970 (Fre)
[Life, a perpetual renewal] Leblond CP. Union Med Can 100:438-48, Mar 71 (Fre)
[Ultrastructure of the thyroid gland in newborn infants] Mäusle E. Acta Endocrinol [Suppl] (Kbh) 152:82, 1971 (Ger)
[Electron microscopic study on thyroid glands of the human newborn] Mäusle E. Beitr Pathol 142:360-80, 1971 (Ger)
[APUD mechanisms in different functional states of C-cells] Kruse H. Endokrinologie 57:201-24, 1971 (Ger)
[Karyometric findings in thyroid gland epithelium of male albino rats after experimental modification of endocrine regulation mechanisms] Marzotko D, et al. Gegenbaurs Morphol Jahrb 114:26-46, 1969 (Ger)
[Comparative experimental studies on the ultrastructure of parathyroid gland cells and C-cells of the thyroid gland under various functional conditions] Altenähr E, et al. Verh Dtsch Ges Pathol 54:360-7, 1970 (Ger)
[Morphological, histochemical and experimental studies on the parafollicular cells of the thyroid] Dörrenhaus A, et al. Z Zellforsch Mikrosk Anat 112:247-65, 1971 (Ger)
[Thyroid C cells] Stachura J. Patol Pol 22:287-304, Apr-Jun 71 (Pol)
[Daily changes in the mitotic activity of thyroid gland follicles of different sizes] Romanov IuA. Biull Eksp Biol Med 71:96-8, Apr 71 (Rus)
[Structure and function of the thyroid gland in females of the Lapland whitefish (Coregonus lavaretus L.) during yearly and non-yearly spawning] Zaĭtsev AV. Dokl Akad Nauk SSSR 198:1228-31, 1971 (Rus)
[Use of human thyroid gland cell cultures for virologic studies] Levina DS, et al. Vopr Virusol 15:457-60, Jul-Aug 70 (Rus)

DRUG EFFECTS

Effects of prolonged thyroxine treatment on the thyroid-pituitary axis. Posner I, et al. Acta Chem Venez 21:71-6, 1970
Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al. Acta Endocrinol (Kbh) 66:162-8, Jan 71
Serum levels of thyroxine in man during spinal anesthesia and surgery. Oyama T, et al. Anesth Analg (Cleve) 50:309-13, May-Jun 71
Diazepam and tests of thyroid function. Clark F, et al. Br Med J 1:585-6, 13 Mar 71
The effects of MK-185 on thyroid function. Ryan JR, et al. Clin Pharmacol Ther 12:464-7, May-Jun 71
The influence of adrenergic receptor blocking agents on the mouse thyroid. Kendall-Taylor P, et al. Clin Sci 39:781-91, Dec 70
Collagenase. Its effectiveness as a dispersing agent for embryonic chick thyroid and heart. Hilfer SR, et al. Exp Cell Res 65:246-9, Mar 71
Target organs of 131-I-chorionic gonadotrophine in immature female rat. Figarová V, et al. Experientia 26:1017-8, 26 Sep 70
Morphology of the parafollicular cells and their relationship to the other endocrine tissues of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thyroid. IV. Experimental administration of 4-methyl-2-thiouracil. Velický J.
Folia Morphol (Praha) 19:125-31, 1971
Endocrine effects of castration in white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 17:105-14, Aug 71
Effect of ethyl alcohol on thyroidal iodide trapping and renal clearance of 131I-label in rats. Yadav HS, et al.
Indian J Med Res 58:1421-7, Oct 70
Action of globulin and lymphocytes from peripheral blood of patients with Graves' disease on isolated bovine thyroid cells. Edmonds MW, et al.
J Clin Endocrinol Metab 31:480-90, Nov 70
Effect of biologically active steroids on thyroid function in man. Gross HA, et al.
J Clin Endocrinol Metab 33:242-8, Aug 71
Corticosteroid induced changes in plasma amino acids and thyroid activity in dairy cows treated early or late during lactation. Stöckl W, et al.
J Dairy Sci 54:271-81, Feb 71
The effect of progesterone on calcitonin release in the sheep. Bates RF, et al. J Endocrinol 49:vi-vii, Mar 71
Calcitonin-releasing substances: structure-activity relationship. Care AD, et al.
J Endocrinol 49:8-9, Mar 71
The influence of adrenergic blocking drugs on the mouse thyroid in vitro. Kendall-Taylor P, et al.
J Endocrinol 46:xi, Feb 70
Thyroid hormone concentration in serum after thyroid stimulation. Williams ES, et al.
J Endocrinol 49:xi, Mar 71
Studies with lithium in euthyrotic, hyperthyrotic and hypothyrotic rats. Männistö P, et al.
Life Sci [I] 10:9-19, 1 Jan 71
Antithyroid effect of glibenclamide on the rat and mouse. Cheema AM, et al.
Postgrad Med J Suppl:24-7, Dec 70
The effect of aureomycin on the thyroid glands of growing chicks. Hsü CY, et al.
Poult Sci 49:1208-14, Sep 70
Cultured thyroid cells respond to exogenous thyroxine. Siegel E. Proc Soc Exp Biol Med 137:1016-8, Jul 71
Effects of magnesium-deficient diet on the thyroid C cells and parathyroid gland of the dog. Rojo-Ortega JM, et al. Virchows Arch [Zellpathol] 7:81-9, 1971
[Lithium and thyroid gland] Männistö P.
Duodecim 87:519-22, 1971 (Fin)
[Action of goitrogens on tadpoles of the toad, Bufo bufo L] Mira-Moser F.
Arch Anat Histol Embryol (Strasb) 52:313 passim, 1969 (Fre)
[Action of alkaloids of Genista rumelica vel. on the weight, the thyroid gland and the salivary glands of white rats] Peičev P, et al.
Folia Med (Plovdiv) 12:188-95, 1970 (Fre)
[Study on the harmlessness of dimethyl sulfoxide: the thyroid gland] Lanza M, et al.
J Pharm Belg 25:521-8, Nov-Dec 70 (Fre)
[Effects of pharmacological doses of iodine upon the rat thyroid gland in vivo. Influence of TSH on the Wolff-Chaikoff block. Histological observations] Burgi H, et al.
Rev Fr Endocrinol Clin 11:419-26, Sep-Oct 70 (Fre)
[Effects of halogenated anesthetics on the liver, thyroid gland and kidney] Lebeau R.
Union Med Can 99:684-6, Apr 70 (Fre)
[Parakeratosis in the pig. 4. Parakeratosis induced by methylthiouracil] Hennig A, et al.
Arch Exp Veterinaermed 23:911-20, 1969 (Ger)
[Correlations between somatotropic prolactin effects and thyroid gland activity] Höcker W, et al.
Endokrinologie 56:148-53, 1970 (Ger)
[Organ specificity for prolactin in pigeons] Höcker W, et al. Endokrinologie 57:364-82, 1971 (Ger)
[Karyometric studies on Leydig interstitial cells in the testis of albino rats following experimental alteration of the hypothalamus-hypophysis-thyroid gland system] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 114:284-308, 1969 (Ger)
[Karyometric, cytologic and concordance-analytic studies on the importance of epithalamus (Nuclei habenulares) in the standard circle adenohypophysis-thyroid in white rats after treatment with thyrostatics and alloxan] Peschke E, et al. Gegenbaurs Morphol Jahrb 116:63-90, 1971 (Ger)
[Influence of chlorimipramine (Anafranil) infusions on function of the thyroid gland] Prokop H, et al.
Wien Klin Wochenschr 83:643-6, 10 Sep 71 (Ger)
[Morphokinetic effect of thyrotrope hormone on the C-cells of the thyroid gland] Wuttke H, et al.
Z Gesamte Exp Med 155:20-31, 1971 (Ger)
[Influence of perchlorate, iodate and iodide on the thyroid gland of Lacerta muralis Laur] Haid H.
Z Mikrosk Anat Forsch 83:341-68, 1971 (Ger)
[On the in-vitro effect of gentisinic acid on dog' thyroid] Coscia G, et al.
Acta Chir Ital 25:349-57, May-Jun 69 (Ita)
[Effect of thyroxine on thyroid changes caused by neonatal treatment with reserpine] Colombo L, et al.
Boll Soc Ital Biol Sper 46:796-9, 15 Oct 70 (Ita)
[Histoenzymatic findings on the thyroid of normal rats or rats treated with thiouracil] Barone P, et al.
Riv Anat Patol Oncol 33:201-14, 1968 (Ita)
[Treatment of the manic-depressive psychosis with lithium salts] Bonasegla F, et al.
Riv Sper Freniatr 94:296-301, 30 Apr 70 (Ita)
[Clinical experience with SH-582 for prostatic hypertrophy with special reference to its effects on the thyroid function] Kuroda K, et al.
Acta Urol Jap 16:482-8, Sep 70 (Jap)
[Functional reorganization of the thyroid gland in experimental tuberculosis and its antibacterial therapy] Pashchenko SI, et al.
Biull Eksp Biol Med 68:30-3, Nov 69 (Rus)
[Cell division in the thyroid, parathyroid glands, small intestine and cornea following administration of adrenaline to rats receiving methylthiouracil] Romanov IuA, et al.
Biull Eksp Biol Med 66:100-2, Nov 68 (Rus)
[Changes in thyroid gland function under the effects of glutamic acid under normal conditions and in hypoxia] Volkov MS.
Biull Eksp Biol Med 68:34-6, Jun 69 (Rus)
[The effect caused by antithyroid preparations on moulting and diapause in insects] Edel'man NM, et al.
Dokl Akad Nauk SSSR 190:1004-7, Feb 70 (Rus)
[Effect of thyroxine in vitro on the structure and function of thyroid gland and liver mitochondria] Turakulov IaKh, et al.
Dokl Akad Nauk SSSR 195:740-2, 1970 (Rus)
[State of the thyroid gland in patients with diabetes mellitus under treatment with sulfanilamide preparations of the BZ-55 and D-860 groups] Laptenok LV.
Probl Endokrinol (Mosk) 16:17-20, Jul-Aug 70 (Rus)
[Effect of maneb and sevin on the thyroid gland] Kusevitskiĭ IA, et al. Veterinariia 6:73-4, Jun 70 (Rus)
[Morphological changes in the thyroid gland in white rats under the effect of1-3-dichlorobutene-2 (Dichlorid)] Mirzabekian GI, et al.
Zh Eksp Klin Med 7:32-9, 1967 (Rus)
[Effect of estradiol and ovariectomy on the thyroid function in rats] Serafimov N, et al.
God Zb Med Fak Skopje 16:381-4, 1970 (Ser)

EMBRYOLOGY

Histological studies on the ontogenic development of the thyroid gland in the pig. Kaciuba-Uściłko H.
Bull Acad Pol Sci [Biol] 19:145-51, 1971
The embryology of the human thyroid gland including ultimobranchial body and others related. Sugiyama S.
Ergeb Anat Entwicklungsgesch 44:3-111, 1971
The expression of differentiation by chick embryo thyroid in cell culture. II. Modification of phenotype in monolayer culture by different media. Spooner BS, et al. J Cell Biol 48:225-34, Feb 71
[On the development and ultrastructure of the embryonic human thyroid gland] Lietz H, et al.
Z Zellforsch Mikrosk Anat 113:94-110, 1971 (Ger)
[Comparative electron microscopic study of the ultrastructure and localization of centrioles in embryonic, normal and neoplastic thyroid gland cells] Dmitrieva NP.
Arkh Anat Gistol Embriol 60:49-57, 1971 (Rus)
[Changes in the development of thyroids in an endemic goiter zone] Escalante DA, et al.
Prensa Med Argent 58:632-6, 21 May 71 (Spa)

ENZYMOLOGY

In vitro effects of LATS and TSH on phosphodiesterase activity in human thyroid homogenates. Miyai K, et al.
Acta Endocrinol (Kbh) 67:209-15, Jun 71
Purification and properties of thyroidal UDP-glucose-4-epimerase. Rodríguez P, et al.
Arch Biochem Biophys 143:579-86, Apr 71
Improvements in the isolation procedure for thyroid peroxidase: nature of the heme prosthetic group. Taurog A, et al.
Arch Biochem Biophys 139:221-9, Jul 70
Subcellular structure of bovine thyroid. II. Localization of RNA, DNA, acid hydrolases and adenosine deaminase. Hilderson HJ, et al.
Arch Int Physiol Biochim 78:509-18, Aug 70
Differential localization in thyroid microsomal subfractions of a mannosyltransferase, two N-acetylglucosaminyltransferases and a galactosyltransferase. Bouchilloux S, et al.
Biochem Biophys Res Commun 40:314-20, 27 Jul 70
The specificity of thyroid peroxidase toward tyrosine peptides. Krinsky MM, et al.
Biochem Biophys Res Commun 43:935-40, 21 May 71
Effects of cations and ouabain on thyroid adenyl cyclase. Burke G.
Biochim Biophys Acta 220:30-41, 14 Oct 70
Isolation of the thyroid peroxidase complex. Danner DJ, et al. Biochim Biophys Acta 235:44-51, 14 Apr 71
Purification and properties of a peptidase from thyroid glands. Dunn NW, et al.
Biochim Biophys Acta 235:149-58, 14 Apr 71
Isolation of thyroidal acid protease and immunological analysis of its antibody. Ochi Y, et al.
Endocrinol Jap 17:109-16, Feb 71
Effect of cobalt and vitamin B12 on the peroxidase and iodinating activity of mouse thyroid and submaxillary gland: in vitro stimulation of vitamin B12 coenzyme on the iodination of tyrosine. Banerjee RK, et al.
Endocrinology 88:1456-64, Jun 71
Studies on the biosynthesis of thyroid hormone: bulk fractionation procedures and absorbency spectra of calf thyroid, iodide peroxidase-tyrosine iodinase; stabilization of enzyme and polymeric structure. Nagasaka A, et al. Endocrinology 88:470-85, Feb 71
Histoenzymological properties of Askanazy-Hürthle cells of the thyroid gland and neoplasms of these cells. Raikhlin NT, et al.
Folia Histochem Cytochem (Krakow) 8:231-48, 1970
Thyroid peroxidase. Nature of the heme binding to apoperoxidase. Krinsky MM, et al.
J Biol Chem 246:4755-8, 10 Aug 71
The purification of bovine thyroid plasma membranes and the properties of membrane-bound adenyl cyclase. Wolff J, et al.
J Biol Chem 246:3939-47, 25 Jun 71
Substrate specificity of thyroid adenyl cyclase. Burke G. Life Sci [I] 9:789-95, 15 Jul 70
Activation of thyroid adenyl cyclase by long-acting thyroid stimulator. Levey GS, et al.
Life Sci [I] 9:67-73, 15 Jan 70
Effects of long-acting thyroid stimulator and prostaglandin antagonists on adenyl cyclase activity in isolated bovine thyroid cells. Burke G, et al.
Life Sci [II] 10:969-81, 8 Sep 71
Purification of iodotyrosine deiodinase from bovine thyroid. Rosenberg IN. Metabolism 19:785-98, Oct 70
Thyroid peroxidase and thyroxine biosynthesis. Taurog A. Recent Progr Horm Res 26:189-247, 1970 (82 ref.)
[Variations of the activity of dehydrogenases of aerobic and anaerobic glycolysis, of peroxidases and of DNA in normal and pathological thyroid glands cultured in vitro] Taşci C, et al.
Ann Endocrinol (Paris) 31:599-608, Jul-Aug 70 (Fre)
[Characterization, isolation and properties of thyroid glycosidases: beta-galactosidase, beta-N-acetylglucosaminidase and alpha-mannosidase] Chabaud O, et al.
Biochim Biophys Acta 227:154-70, 13 Jan 71 (Fre)
[Thyroid peroxidase insufficiency as factor in the etiopathogenesis of endemic and sporadic goiter] Pentschew I, et al. Endokrinologie 57:353-7, 1971 (Ger)
[Morphological and histochemical changes of the thyroid gland in disorders of steroid balance] Klechikov VZ. Arkh Patol 33:14-20, 1971 (Rus)
[Change in the transaminase activity of blood and some tissues following administration of glutamic acid in normal conditions and during hypoxia] Volkov MS, et al. Biull Eksp Biol Med 71:56-8, Apr 71 (Rus)
[Studies of the thyroid gland. 8. Transaminase activity in surgical material from goiter-modified human thyroid glands] Kryshkova AK, et al.
Folia Med (Plovdiv) 12:112-6, 1970 (Rus)
[Changes in catalase and peroxidase activity in rat thyroid gland following administration of glutamic acid in the normal animal and during hypoxia] Volkov MS. Vopr Med Khim 17:193-5, Mar-Apr 71 (Rus)
[Humanism in the 20th century] Altschuler N, et al.
Rev Argent Endocrinol Metab 14:145-51, Sep 68 (Spa)

GROWTH & DEVELOPMENT

Histological studies on the ontogenic development of the thyroid gland in the pig. Kaciuba-Uściłko H.
Bull Acad Pol Sci [Biol] 19:145-51, 1971
[Age and functional changes in the bactrian camel thyroid gland] Bezrukov NI, et al.
Dokl Akad Nauk SSSR 193:241-4, Jul-Aug 70 (Rus)
[Effect of interoceptive signals from ovaries on the growth of thyroid gland] Miroshnichenko OV.
Pediatr Akush Ginekol 5:47-9, Sep-Oct 69 (Ukr)

IMMUNOLOGY

Distribution of organ antigens on thyroid cell membranes as examined by the immunofluorescence test. Fagraeus A, et al.
Acta Pathol Microbiol Scand [B] 78:286, 1970
Thyroid antibodies in endemic goiter in lower Silesia studied in a sample of the population in 1969. Podleski WK, et al.
Arch Immunol Ther Exp (Warsz) 18:864-78, 1970
Comparative effects of immunization of rabbits with human thyroglobulin and human and rabbit thyroid microsomal fractions. Beall GN, et al.
Clin Exp Immunol 8:847-56, Apr 71
Autoimmune response to the antithyroid and 131-I therapy of hyperthyroidism. Takó J, et al.
Endokrinologie 57:400-4, 1971
Immunofluorescent localization of calcitonin in the ultimobranchial gland of Rana temporaria and Rana pipiens. Van Noorden S, et al.
Histochemie 26:95-7, 1971
Cell-mediated immune responses to heterologous and homologous thyroglobulin in guinea-pigs immunized with heterologous thyroid extracts. Romagnani S, et al. Immunology 19:599-612, Oct 70
Thyroid hormone-protein interactions in active thyroid immunity. Premachandra BN.
Indian J Pediatr 37:294-304, Jul 70
Studies of some immunological properties of thyroid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Iodoproteins. Carlomagno MS, et al.
Int Arch Allergy Appl Immunol 39:391-402, 1970
In vivo and in vitro immunological responses to heterologous and homologous thyroglobulin in guinea pigs immunized with heterologous thyroid extracts in Freund's complete adjuvant. Ricci M, et al.
Int Arch Allergy Appl Immunol 41:138-9, 1971
Evidence to suggest that LATS protector stimulates the human thyroid gland. Adams DD, et al.
J Clin Endocrinol Metab 33:47-51, Jul 71
Stimulation of release of thyroid iodine by serum of thyroid-immunized rabbits. Solomon DH, et al.
J Clin Endocrinol Metab 31:603-6, Nov 70
Cyclosphosphamide inhibition of experimental allergic thyroiditis and thyroid antibody production in rats. Paterson PY, et al. J Immunol 106:570-2, Feb 71
Murine thyroiditis: importance of adjuvant and mouse strain for the induction of thyroid lesions. Rose NR, et al. J Immunol 106:696-704, Mar 71
Studies on the thyroid gland component inhibiting LATS. Schleusener H, et al.
Metabolism 20:299-308, Mar 71
Immunofluorescent tests in the course of 99m Tc scintiscanning procedures in children and adolescents. Jeske W, et al.
Nucl Med (Stuttg) 10:146-9, 1971
Characterization of the LATS-binding protein from human thyroid tissue. Smith BR, et al.
Proc R Soc Med 64:155, Feb 71
[Evaluation of the study of thyroid autoantibodies by indirect immunofluorescence in 317 individuals. Histopathological comparison in 102 cases] Codaccioni JL, et al.
Ann Endocrinol (Paris) 32:172-82, Jan-Feb 71 (Fre)
[Action of homologous thyroid extract on guinea pig lymph node cells in culture during and apart from experimental auto-allergic thyroiditis] Martin-Taieb C, et al.
Ann Inst Pasteur (Paris) 119:573-9, Nov 70 (Fre)
[Assay of blastic lymphocyte transformation in the presence of thyroid antigens] Reinert P, et al.
Ann Med Interne (Paris) 121:383-6, Mar 70 (Fre)
[Demonstration of antithyroid antibodies with a passive hemagglutination test using glutaraldehyde as coupling agent] Tribouley J, et al.
C R Acad Sci [D] (Paris) 272:1462-4, 8 Mar 71 (Fre)
[Study on the phenomenon of antigen simplification in human thyroid neoplasms] Furiosi P, et al.
Acta Chir Ital 25:865-76, Nov-Dec 69 (Ita)
[Detection of antithyroid antibodies in normal subjects and patients with thyroid diseases] Cavagnini F, et al.
Folia Endocrinol (Roma) 23:25-40, Feb 70 (Ita)
[Graves-Basedow disease with symptoms of malignant exophthalmos and the presence of thyroid antibodies in the blood] Komarnicka R.
Endokrynol Pol 21:619-26, 1970 (Pol)
[Behavior of some diseases of the connective tissue in the course of immunological thyroid activity] Michowicz J, et al. Przegl Lek 26:706-8, 30 Sep 70 (Pol)
[Antigens of normal and pathologically changed human thyroid gland] Siniakov BS, et al.
Sov Med 33:125-31, Sep 70 (45 ref.) (Rus)
[Role of thymus and adrenal glands in autoimmune thyroiditis in guinea pigs with adjuvant inflammation of the thyroid gland] Malizhev VO.
Fiziol Zh 16:548-52, Jul-Aug 70 (Ukr)

INNERVATION

[Distribution of the cholinergic and adrenergic innervation, of histamine and 5-hydroxytryptamine in the rat thyroid gland] Catini C.
Boll Soc Ital Biol Sper 45:1523, 15 Dec 69 (Ita)

METABOLISM

Increase in thyroid uptake of radioiodine induced by actinomycin D. Wägar G.
Acta Endocrinol (Kbh) 67:805-15, Jul 71
The role of energy metabolism in the secretion of calcitonin in response to hypercalcaemia. Bates RF.
Acta Endocrinol [Suppl] (Kbh) 155:212, 1971
Iodine metabolism in a group of old age people. Heisloot MH, et al.
Acta Endocrinol [Suppl] (Kbh) 155:17, 1971
Thyroidal radioiodine uptake during long-term antithyroid treatment in euthyroid volunteers. Rohner R, et al.
Acta Endocrinol [Suppl] (Kbh) 155:16, 1971
The relation between amine and polypeptide hormone in calcitonin-producing cells. Sundler F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:213, 1971
Catechol- and indolamines in some endocrine cell systems. An autoradiographical, histochemical and radioimmunological study. Tjälve H.
Acta Physiol Scand [Suppl] 360:Suppl360:1+, 1971
Handling of iodide, chloride, and pertechnetate by salivary glands and the thyroid gland in man. Walker JE, et al. Ala J Med Sci 7:323-7, Jul 70
Radioautographic studies of the initial site of formation of protein-bound iodine in the rat thyroid gland. Croft CJ, et al. Biochem J 118:311-4, Jun 70
Effect of actinomycin D on the uptake of radioiodine by thyroidal and extrathyroidal tissues. II. Thakare UR, et al. Biochem Pharmacol 19:777-84, Mar 70
Stimulation by thyrotropin, long-acting thyroid stimulator, and dibutyryl 3',5'-adenosine monophosphate of protein and ribonucleic acid synthesis and ribonucleic acid polymerase activities in porcine thyroid in vitro. Adiga PR, et al.
Biochemistry 10:702-10, 16 Feb 71
Thyroid hydrolysis of cyclic AMP as influenced by thyroid gland activity. Bastomsky CH, et al.
Biochim Biophys Acta 230:286-95, 23 Feb 71
Glycoprotein biosynthesis. V. Studies on the metabolism and incorporation of L-(14C)fucose into glycoproteins of bovine thyroid gland slices in vitro. Trujillo JL, et al.
Biochim Biophys Acta 230:610-9, 1971
Contribution to the mode of action of lithium on iodine metabolism. Cooper TB, et al.
Biol Psychiatry 2:273-8, Jul 70
The effect of bovine thyroid stimulating hormone and human chorionic somato-mammotropin on the uptake of 131-I by human hyperplastic thyroid gland in organ culture. Harbitz TB, et al.
Br J Exp Pathol 52:231-7, Jun 71
A dual detector system for thyroid uptake measurement. Sear R. Br J Radiol 43:876-85, Dec 70
Glycogen metabolism of the thyroid. Ahn CS.
Endocrinology 88:1341-8, Jun 71
Nicotinamide HCl and thyroid radioiodine metabolism in mice: effects due to acid. Bastomsky CH, et al.
Endocrinology 88:1170-4, May 71
Degradation of thyroxine by a thyroidal peroxidase. Dawber NA, et al. Endocrinology 88:144-8, Jan 71
Changes in the thyroidal content of thyrocalcitonin produced by vitamin D in rats. Frankel S, et al.
Endocrinology 88:367-70, Jan 71
Failure of dinitrotyrosine to affect the TSH-induced acute depression of thyroidal iodide transport. Haibach H. Endocrinology 88:1277-9, May 71
Evidence for a thyroxine deiodinating mechanism in the rat thyroid different from iodotyrosine deiodinase. Haibach H.
Endocrinology 88:918-23, Apr 71
Comparison of the intrathyroidal fate of iodotyrosine-derived and newly entering iodide in the rat. Haibach H. Endocrinology 89:184-90, Jul 71
Heterogeneity of thyroidal iodine turnover in the rat. Haibach H, et al. Endocrinology 89:316-8, Jul 71
Role of protein synthesis in the utilization of administered iodide by thyroid glands in rats. Inoue K, et al. Endocrinology 87:1298-305, Dec 70
Thyrotropin releasing hormone (TRH) stimulation of thyroidal radioiodine release in the rat: comparison between intravenous and intraventricular administration. Kendall JW, et al.
Endocrinology 88:1503-6, Jun 71
Synthesis of thyroglobulin peptides by pig thyroid polyribosomes. Kondo Y.
Endocrinology 89:116-24, Jul 71
Stimulation of proteolysis in the mouse thyroid gland by thyrotropin and the long-acting thyroid stimulator: comparison of intact lobe and homogenate. Konno N, et al. Endocrinology 87:1062-8, Nov 70
Some comments on the rates of release of iodine-containing compounds from "blocked" rat thyroids. Lamas L, et al.
Endocrinology 88:1252-6, May 71
Effect of cyclic adenosine 3',5'-monophosphate on the incorporation of 3H-leucine into polypeptides by beef thyroid polysomes in vitro. Leung BS, et al.
Endocrinology 89:70-8, Jul 71
Effects of serotonin on iodide and intermediary metabolism in isolated thyroid cells. Maayan ML, et al.
Endocrinology 88:630-6, Mar 71
Reactivation of reduced bovine pancreatic ribonuclease by subcellular fractions from calf thyroid glands. Morais R, et al.
Endocrinology 88:742-6, Mar 71
Studies on the biosynthesis of thyroid hormone: reconstruction of a defined in vitro iodinating system. Nagasaka A, et al. Endocrinology 88:486-90, Feb 71
Alterations in intrathyroidal iodine metabolism in response to chronic iodide administration. Nagataki S, et al. Endocrinology 87:1218-27, Dec 70
Biosynthesis of thyroglobulin related to the ultrastructure of the human fetal thyroid gland. Olin P, et al. Endocrinology 87:1000-14, Nov 70
Prompt stimulation by TSH of thyroid oxidation of thiocyanate. Otaki S, et al.
Endocrinology 88:566-73, Mar 71
Action of cyclic guanosine monophosphate on thyroid weight and protein. Pisarev MA, et al.
Endocrinology 88:795-7, Mar 71
Metabolism of phospholipids, neutral lipids and carbohydrates in dispersed porcine thyroid cells: comparative effects of pituitary thyrotropin and dibutyryl-3',5'-adenosine monophosphate on the turnover of slices from pig thyroid. Scott TW, et al.
Endocrinology 87:854-63, Nov 70
Stimulatory effect of 5-fluorouracil on thyroid serum iodide concentration ratios in the rat. Vagenakis AG, et al. Endocrinology 88:1250-2, May 71
Thyroglobulin uptake by pig thyroid slices. Vandenbroucke MF, et al.
Endocrinology 88:389-99, Feb 71
On the activating effect of prolactin on thyroid metabolism in the crested newt. Comparison between the effect of prolactin and methylthiouracil. Peyrot A, et al. Gen Comp Endocrinol 16:524-34, Jun 71
Radioiodine metabolism in the thyroid gland of the lizard Agama stellio. Shaham Y, et al.
Gen Comp Endocrinol 17:142-8, Aug 71
Modification of pituitary thyrotropin and thyroid activity in the rat following administration of clomiphene citrate. Gellert RJ, et al.
Gynecol Invest 1:129-39, 1970
Hormonogenesis in organ culture of normal and pathological human thyroid tissues. Barzilai D, et al.
Isr J Med Sci 6:660-4, Sep-Oct 70
Evidence for the induction of iodide transport in bovine thyroid cells treated with thyroid-stimulating hormone or dibutyryl cyclic adenosine 3',5'-monophosphate. Knopp J, et al.
J Biol Chem 245:4403-8, 10 Sep 70
Mechanism of thyroid-stimulating hormone action. Studies with dibutyl 3',5'-adenosine monophosphate and lecithinase C. Pastan I, et al.
J Biol Chem 242:5757-61, 25 Dec 67
Stimulation of thyroidal phospholipid turnover by osmotic shock. Schneider PB.
J Biol Chem 245:6281-4, 10 Dec 70
Radioautographic study of in vivo and in vitro incorporation of fucose-3H into thyroglobulin by rat thyroid follicular cells. Haddad A, et al.
J Cell Biol 49:856-77, Jun 71
Thyroid albumin. II. In vitro synthesis of a thyroid albumin by normal human thyroid tissue. Otten J, et al. J Clin Endocrinol Metab 32:18-26, Jan 71
Stimulation of release of thyroid iodine by serum of thyroid-immunized rabbits. Solomon DH, et al.
J Clin Endocrinol Metab 31:603-6, Nov 70
The significance of folic acid, tissue iron stores, and tissue viability in determining iron uptake from serum by thyroid tissue slices. Buchanan WM.
J Clin Pathol 24:328-33, May 71
Water and electrolyte distribution in rat and guinea-pig thyroid glands. Chow SY, et al.
J Endocrinol 50:561-76, Aug 71
Correlation of water and electrolyte distribution in the thyroid gland with its functional state in rats and guinea-pigs. Chow SY, et al.
J Endocrinol 50:577-88, Aug 71
A comparison between the uptake of technetium-99m and iodine-131 by the thyroid gland. McGill PE, et al.
J Endocrinol 49:531-6, Mar 71
125-I for measuring the radioiodine uptake of the thyroid. Rollo FD. J Nucl Med 12:8-13, Jan 71
Effect of feeding a high level of rapeseed meal on weight gains and thyroid function of rats. Lo MT, et al.
J Nutr 101:975-80, Aug 71
Use of bioassay techniques with rats to measure the antithyrotoxic factor in roughages and other materials. Wallenius RW, et al.
J Nutr 101:821-8, May 71
Thyroid uptake of radioactive iodine. A reevaluation. Caplan RH, et al. JAMA 215:916-8, 8 Feb 71
New normal values for thyroid uptake of radioactive iodine. Ghahremani GG, et al.
JAMA 217:337-9, 19 Jul 71
Localisation of 35S-propylthiouracil in thyroid. Ferguson MM, et al. Lancet 1:1025, 15 May 71
Effects of thyrotropin, prostaglandin E1 and a prostaglandin antagonist on iodide trapping in isolated thyroid cells. Burke G, et al.
Life Sci [II] 10:513-21, 8 May 71
Stimulatory effect of ammonium ion on iodide trapping in isolated thyroid cells. Burke G, et al.
Life Sci [II] 10:361-9, 8 Apr 71
Fate of perfused iodothyronines in rat thyroid. Haibach H. Metabolism 20:819-29, Sep 71
Effects of chlorpromazine, propranolol and phospholipase C on thyrotropin and prostaglandin stimulation of adenyl cyclase-cyclic AMP system in dog thyroid slices. Yamashita K, et al.
Metabolism 19:1109-18, Dec 70
Difference in the dried thyroid block of 131-I uptake in male and female rats. Kapitola J, et al.
Physiol Bohemoslov 19:205-8, 1970
Effect of manganous ions on thyroidal iodine metabolism in the rat. Kaellis E.
Proc Soc Exp Biol Med 135:216-8, Nov 70
In vitro biosynthesis of calcitonin. Sorgente N, et al.
Proc Soc Exp Biol Med 136:80-4, Jan 71
Thyroid peroxidase and thyroxine biosynthesis. Taurog A. Recent Progr Horm Res 26:189-247, 1970 (82 ref.)
The radioactive iodine uptake and the absolute iodine uptake in euthyroid subjects with and without sporadic goiter. Tubiana M, et al.
Rev Eur Etud Clin Biol 16:250-5, Mar 71
The normal thyroidal radioiodine uptake. Haden HT, et al. Va Med Mon 98:201-4, Jun 71
Uptake of DOPA and 5-HTP in pancreatic islets and parafollicular cells studied by combined autoradiographic and fluorescence microscopic techniques. Tjälve H, et al.
Z Zellforsch Mikrosk Anat 113:83-93, 1971
Influence of climate on thyroidal iodine metabolism in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

buffalo-cows. I. Thyroidal iodine concentration. Aflefy MM.
Zentralbl Veterinaermed [A] 18:85-90, Jan 71
Iodine metabolism in relation to reproductive status in cows. Aflefy MM, et al.
Zentralbl Veterinaermed [A] 17:62-7, Jan 70
[Histoautoradiographic study on the distribution of radioactivity in some tissues following a single injection of 125-I labeled human chorionic gonadotropin (125 I-HCG) in immature female rats] Pospíšil J, et al. Cesk Gynekol 36:132-5, Apr 71 (Cze)
[Preservation of normal metabolism in isolated canine thyroid by pulsatile perfusion: preliminary study] Rocmans PA, et al.
Acta Chir Belg 69:515-21, 1970 (Fre)
[Study in humans and rats of the effect of synthetic antithyroid drugs on the thyroid uptake of stable iodine and on the levels of plasma iodide. New test for estimation of thyreotropic function] Berthezene F, et al.
Ann Endocrinol (Paris) 32:275-83, 2 Mar-Apr 7 (Fre)
[The thyrotropin stimulation test. I. Control by measurement of iodine 132 fixation in the thyroid gland] Guinet P, et al.
Ann Endocrinol (Paris) 29:338-41, May-Jun 68 (Fre)
[Relation between iodine content and properties of thyroglobulins obtained by isotopic equilibration] Gavaret JM, et al.
Biochim Biophys Acta 236:706-17, 29 Jun 71 (Fre)
[Development of biomathematical models. An example: thyroid iodine transport] Cantraine F.
Brux Med 51:193-7, Mar 71 (Fre)
[In vitro reassociation of cells isolated from porc ine thyroid and the biosynthesis of thyroglobulin. I. Conditions for the induction of cellular reassociations by thyreostimulin] Fayet G, et al.
Bull Soc Chim Biol (Paris) 52:299-306, 17 Apr 70 (Fre)
[Reassociation in vitro of cells isolated from porcine thyroid and the biosynthesis of thyroglobulin. II. Biosynthesis of thyroglobulin] Fayet G, et al.
Bull Soc Chim Biol (Paris) 52:307-18, 17 Apr 70 (Fre)
[Action of TSH on metabolism of thyroid phospholipids in vitro. Biphasic effect not reproduced by C-AMP and DBC] Jacquemin C, et al.
Bull Soc Chim Biol (Paris) 52:153-65, 31 Mar 70 (Fre)
[Influence of hydrocortisone on levels of iodine linked with proteins in culture media of fetal and perinatal thyroid glands of mice cultivated in vitro] Colle-Vandevelde A.
C R Acad Sci [D] (Paris) 271:1031-3, 21 Sep 70 (Fre)
[Specific variations in the sedimentation coefficient of prethyroglobulin in several lower vertebrates] Brisson-Martin A, et al.
C R Soc Biol (Paris) 164:1922-5, 1970 (Fre)
[Is there thyroid autoregulation of iodine uptake in hypophysectomized animals?] Mornex R, et al.
Pathol Biol (Paris) 19:251-7, Mar 71 (Fre)
[Production of peroxide in the thyroid] Bénard B, et al.
Union Med Can 100:701-5, Apr 71 (Fre)
[Study of the thyroid gland at the Hotel-Dieu at Montreal. I. Uptake of radioactive iodine by the thyroid gland in euthyroid subjects in the Montreal Region] Vityé B, et al.
Union Med Can 100:257-8, Feb 71 (Fre)
[The effect of synthetic TRH in vivo] Wildmeister W, et al.
Acta Endocrinol [Suppl] (Kbh) 152:81, 1971 (Ger)
[Error magnitude, equipment display and application dose in biphasic studies of thyroid gland iodine metabolism using I-131. 1. Error analysis. 2. Standardized procedure] Michel L, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:550-7, Apr 71 (Ger)
[Thyroid gland and diabetes] Müller R.
Hippokrates 41:412, Sep 70 (Ger)
[Relations between iodine excretion and endemic goiter in South Baden. Evaluation of dietary iodine] Mertz DP, et al.
Schweiz Med Wochenschr 101:502-10, 10 Apr 71 (Ger)
[Significance of the thyroid and parathyroid glands in secondary hypocalcemia following magnesium administration in the rat] Wittermann ER, et al.
Verh Dtsch Ges Inn Med 75:759-61, 1969 (Ger)
[Periodontal and endocrine diseases. The parathyroid glands: calcium. Thyroid and parathyroids: thyrocalcitonin] Viti M, et al.
Riv Ital Stomatol 25:620-8, Jul 70 (Ita)
[Iodine metabolism in chronic thyroiditis. 2. Studies on the iodinated albumin-like proteins in the serum and the thyroid tissue in chronic thyroiditis] Morita R.
Folia Endocrinol Jap 46:1097-108, 20 Jan 71 (Jap)
[Effect of neuroleptoanalgesia, type II (NLA II) on the course of laboratory and clinical hyperthyroidism. I. Effect of NLA II on the thyroid function and its oxygen metabolism in experimental hyperthyroidism] Zagrobelny Z.
Endokrynol Pol 21:445-55, Sep-Oct 70 (Pol)
[Statistical data on thyroid iodine uptake. I. I-131 uptake after 6 hours (T6) and after 24 hours (T24)] Doroszewski J, et al.
Pol Przegl Radiol 35:309-19, May-Jun 71 (Pol)
[A simple test for differentiating of euthyreosis from hyperthyreosis in cases with raised or normal iodine uptake] Gąsiorowski W, et al.
Pol Tyg Lek 25:1964-6, 21 Dec 70 (Pol)
[Vital binding of a stain by tissues and their diurnal physiologic rhythm] Gubin GD.
Biull Eksp Biol Med 66:100-3, Aug 68 (Rus)
[Morphofunctional peculiarities of the hypophysis and thyroid gland in mice of low and high cancer strains] Skatkov ME, et al.
Biull Eksp Biol Med 68:77-8, Oct 69 (Rus)
[Age-related characteristics of endocrine gland reactions to static muscular efforts in dogs] Pegel' VA, et al. Fiziol Zh SSSR 56:1586-90, Nov 70 (Rus)
[Effect of Sevin on the state of the thyroid gland of rats receiving an artificial complete diet with different iodine content] Shtenberg AI, et al.
Gig Sanit 35:119-22, Aug 70 (Rus)
[Use of the quantitative parameters of iodine metabolism in the gland during the study of thyroid function] Mirkhodzhaev AKh, et al.
Probl Endokrinol (Mosk) 16:5-9, Jul-Aug 70 (Rus)
[Changes in the functional state of thyroid gland and its metabolism during interaction of glutamic acid and methylthiouracil] Volkov MS, et al.
Ukr Biokhim Zh 42:600-6, 1970 (Rus)
[Absorption of radioactive iodine by the thyroid gland in patients with laryngeal cancer during the pre- and postoperative periods and the effect of radiotherapy] Arkhipenko VI, et al.
Zh Ushn Nos Gorl Bolezn 30:30-3, May-Jun 70 (Rus)
[Absorption of radioactive iodine by thyroid gland in patients with laryngeal cancer at remote periods after laryngectomy] Nersesian VM.
Zh Ushn Nos Gorl Bolezn 31:39-43, May-Jun 71 (Rus)
[Endemic goiter in a Mapuche population of Chiquillihuin, Province of Neuquén. V. Thyroid release of nonhormonal iodine] Degrossi OJ, et al.
Rev Argent Endocrinol Metab 15:97-107, Sep 69 (Spa)
[Effects of cold and iodine deficiency in the distribution of iodinated amino acids in the rat thyroid] Silva E, et al.
Rev Med Chil 98:776-81, Nov 70 (Spa)

MICROBIOLOGY

Ultrastructural study on cell-virus relationships in the thyroid of a salamander (Ambystoma macrodactylum Baird). Larsen JH Jr.
Z Zellforsch Mikrosk Anat 95:511-9, 1969

PATHOLOGY

Two histochemically different human parafollicular cells. Further studies on a thyroid gland with medullary carcinoma. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:621-4, 1970
Cresyl fast violet--a selective stain for human C-cells. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:618-20, 1970
Argentaffin, parafollicular cells in the non-tumorous parenchyma of a thyroid gland with medullary carcinoma. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:364-6, 1970
Perinatal thyroid discharge. A histological study of 1225 infant thyroids. Sagreiya K, et al.
Arch Dis Child 45:746-54, Dec 70
Stimulation of common endothelium during autoimmune induction in the mouse. Mizejewski GJ, et al. Clin Exp Immunol 9:123-37, Jul 71
Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al.
Endokrinologie 58:37-54, 1971
Seasonal changes in the thyroid gland of the palm squirrel funambulus pennanti (Wroughton) with a note on the occurrence of parasites. Vijayan E, et al.
Endokrinologie 58:27-36, 1971
Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al.
Endokrinologie 58:37-54, 1971
Morphology of the parafollicular cells and their relationship to the other endocrine tissues of the thyroid. 3. Experimental exogenous hypercalcaemia and hypocalcaemia. Velický J.
Folia Morphol (Praha) 19:105-11, 1971
Calcium oxalate crystals in the kidney and thyroid of leprosy patients. Furuta M, et al.
Int J Lepr 38:286-93, Jul-Sep 70
Ultrastructure of plasma cells containing Russell bodies in human stomach and thyroid. Gray A, et al.
J Clin Pathol 23:608-12, Oct 70
A biochemical and histopathological study of the effect of some dietary factors on the thyroid gland of experimental animals. Abdou IA, et al.
J Egypt Public Health Assoc 46:1-15, 1971
Thyroid involvement in systemic sarcoidosis. Hemmings IL Jr, et al. J Pediatr 78:131-4, Jan 71
Aminotriazole goiter. Fine structure and localization of thyroid peroxidase activity. Strum JM, et al.
Lab Invest 24:1-12, Jan 71
The C cells in human nodular adenomatous goiter. Beskid M, et al. Pol Med J 9:855-60, 1970
Pathological dilemmas in the operative recognition of chronic thyroiditis. Harrison TS, et al.
Surg Clin North Am 50:1067-73, Oct 70
Observations of the anterior pituitary cytology in the phenobarbital treated rat. Japundžić M, et al.
Virchows Arch [Zellpathol] 7:229-35, 1971
Fine structural aterations of thyroid C-cells in response to diet-induced hypocalcemia and vitamin D in adult cows. Young DM, et al.
Virchows Arch [Zellpathol] 8:288-98, 1971
[Fine needle biopsy of thyroid gland] Thommesen P.
Ugeskr Laeger 133:1213-5, 25 Jun 71 (Dan)
[De Quervain's subacute thyroidites: ultrastructural study of one case] Nève P.
Ann Endocrinol (Paris) 31:1203-8, Nov-Dec 70 (Fre)
[Remarks on the histogenesis of medullary carcinoma with amyloid stroma of the thyroid. Apropos of 5 cases with ultrastructural study of 2 cases] Benatre A, et al.
Arch Anat Pathol (Paris) 19:5-17, Mar 71 (Fre)
[Reliability of amyloid stains in medullary carcinoma of the thyroid gland] Gérard-Marchant R, et al.
Arch Anat Pathol (Paris) 19:19-23, Mar 71 (Fre)
[Immediate histology of thyroid gland cancers] Laedlein-Greilsammer D, et al.
Bull Cancer (Paris) 57:477-86, Oct-Dec 70 (Fre)
[Structural and functional variations of the C cells during experimental hypothyroidism in the rat] Moura AM, et al.
C R Acad Sci [D] (Paris) 272:1145-7, 22 Feb 71 (Fre)
[The thyroid gland. II. Survey of 400 autopsies and examination of 400 diseased persons] Verdy M, et al.
Union Med Can 100:259-66, Feb 71 (Fre)
[APUD mechanisms in different functional states of C-cells] Kruse H. Endokrinologie 57:201-24, 1971 (Ger)
[Morphological changes in the thyroid gland following chronic cold stress] Piroth M, et al.
Endokrinologie 56:347-55, 1970 (Ger)
[Principles of thyroid cytology] Frahm H, et al.
Med Welt 18:746-9, 1 May 71 (Ger)
[Comparative electron microscopic study of the ultrastructure and localization of centrioles in embryonic, normal and neoplastic thyroid gland cells] Dmitrieva NP.
Arkh Anat Gistol Embriol 60:49-57, 1971 (Rus)
[Morphologic changes in the thyroid gland of fetuses and premature infants of early age] Karpova LN.
Arkh Anat Gistol Embriol 58:110-4, 1970 (Rus)
[Papillary cancer of the thyroid gland] Bomash NIu.
Arkh Patol 32:25-30, 1970 (Rus)
[Morphological and histochemical changes of the thyroid gland in disorders of steroid balance] Klechikov VZ. Arkh Patol 33:14-20, 1971 (Rus)
[Medullary cancer of the thyroid gland with amyloidosis of the stroma] Odinokova VA, et al.
Arkh Patol 32:30-4, 1970 (Rus)
[Hurthle-Askinazi cells] Rudnitskaia AIu.
Arkh Patol 32:38-42, 1970 (Rus)
[Changes in the thyroid gland and adrenals in prolonged carbon tetrachloride poisoning] Kolpashchikova IF.
Biull Eksp Biol Med 70:109-13, Sep 70 (Rus)
[The histomorphologic characteristics of various rat endocrine glands in fluorine poisoning] Zhavoronkov AA, et al. Biull Eksp Biol Med 69:107-10, Jun 70 (Rus)
[Histomorphological study of the hypophysis and thyroid gland in birds during hypo- and hyperthyroidism] Karapetian SK, et al.
Dokl Akad Nauk SSSR 194:195-6, Sep-Oct 70 (Rus)
[Electron microscopic study of the dynamics of submicroscopic changes in thyroid gland cells during the process of experimental cancerogenesis] Dmitrieva NP. Tsitologiia 12:834-43, Jul 70 (Rus)
[Clinico-morphologic comparisons in 2-stage strumectomy in patients with acute toxic goiter] Gracheva KP, et al. Vestn Khir 105:21-3, Dec 70 (Rus)

PHYSIOLOGY

Thyrotroph subtypes in the guinea-pig's pituitary after partial and total thyroidectomy. Amat P.
Acta Anat (Basel) 76:112-22, 1970
Pituitary gonadotrophic activity of thyroidectomized prepuberal female rhesus monkeys. Srivastava K, et al. Acta Biol Med Ger 26:101-4, 1971
Thyroid-sympathetic nervous system interactions in thermoregulation. Gale CC, et al.
Acta Endocrinol [Suppl] (Kbh) 155:34, 1971
Effect of pineal body on thyroid-thymus correlations. 131-I uptake by rat thymus and salivary gland. Csaba G, et al. Acta Med Acad Sci Hung 27:183-9, 1970
Interrelations of thyroid and mesencephalic activity. Szántó L, et al.
Acta Med Acad Sci Hung 27:235-42, 1970
Effect of thyroidectomy and chronic methylthiouracil treatment on hypothalamic neurosecretion in the rat. Konstantinova M, et al.
Acta Morphol Acad Sci Hung 18:263-12, 1970
Effectof vitamin D and calcium on survival ofthe thyro-parthyroidectomized rat. Sevastikoglu JA, et al.
Acta Orthop Scand [Suppl] 136:Suppl 136:23+, 1970
Effect on thyroid function of long-term oestrogen treatment at high dose level in the rat. Orosz A, et al.
Acta Physiol Acad Sci Hung 37:273-80, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Mechanism of thyroid stimulation of metabolism. Strauss MB. Ann Intern Med 74:793-4, May 71
Hormonal regulation of brain development. IV. Effect of neonatal thyroidectomy upon incorporation in vivo of L-[3H]phenylalanine into proteins of developing rat cerebral tissues and pituitary gland. Szijan I, et al. Brain Res 27:309-18, 2 Apr 71
The influence of pyrophosphate, condensed phosphates, phosphonates and other phosphate compounds on the dissolution of hydroxyapatite in vitro and on bone resorption induced by parathyroid hormone in tissue culture and in thyroparathyroidectomised rats. Russell RG, et al. Calcif Tissue Res 6:183-96, 1970
Effect of pituitary homotransplants on peripheral target organs in intact threespine sticklebacks, Gasterosteus aculeatus L. form trachurus. Leatherland JF. Can J Zool 48:1341-4, Nov 70
Influence of acclimation temperature on rate constants for thyroid uptake of iodide by brook trout, Salvelinus fontinalis (Mitchill). Smith CD, et al. Can J Zool 49:783-6, May 71
Functional interrelationships between the adenohypophysis, thyroid, adrenal cortex and gonads. Fortier C, et al. Can Med Assoc J 103:864-74, 17 Oct 70
Effects of graded doses of L-thyroxine on 14C-leucine incorporation into anterior pituitary proteins of thyroidectomized rats. Matsuzaki S. Endocrinol Jap 17:379-85, Oct 70
Lithium concentration by the thyroid. Berens SC, et al. Endocrinology 87:1085-7, Nov 70
Endocytosis of thyroglobulin and release of thyroid hormone in mice by catecholamines and 5-hydroxytryptamine. Ericson LE, et al. Endocrinology 87:915-23, Nov 70
Thyroidal effects of injections of Graves' disease thyroid microsomes in rhesus monkeys. Furth ED, et al. Endocrinology 89:310-5, Jul 71
Thyroxine metabolism and thyroid function in rats following administration of estrogen. Galton VA. Endocrinology 88:976-82, Apr 71
Effect of thyroidectomy and aminoglutethimide on adrenal function in rats. Gaunt R, et al. Endocrinology 87:1088-90, Nov 70
Paradoxical increase in acute thyroid radioiodine accumulation following hypophysectomy in iodine-deficient rats. Greer MA, et al. Endocrinology 87:1094-6, Nov 70
Influence of the thyroids on the rate of removal of recently deposited radiocalcium and radiophosphorus from bone. Kennedy JW 3d, et al. Endocrinology 88:1203-9, May 71
Effect of thyroid status on intestinal alkaline phosphatase levels in the rat. Watson WC, et al. Endocrinology 88:1524-7, Jun 71
Studies on the antithyroid activity of naturally occurring L-5-vinyl-2-thiooxazolidone in man. Langer P, et al. Endokrinologie 57:225-9, 1971
Histophysiological studies on the pharyngeal and ectopic renal thyroid of the Indian mud-eel Amphipnous cuchia (Ham.). Srivastava SS, et al. Endokrinologie 57:260-9, 1971
Thyroid activity of the ground squirrel (Citellus tridecemlineatus) using a cannula technique. Bauman TR, et al. Gen Comp Endocrinol 15:369-73, Dec 70
Iodine metabolism in normal, hypophysectomized, and thyrotropin-treated river lampreys, Lampetra fluviatilis (Gray) L. (Cyclostomata). Larsen LO, et al. Gen Comp Endocrinol 17:94-104, Aug 71
Radiocesium retention by rats as affected by L-thyroxine and propylthiouracil. Lengemann FW. Health Phys 19:551-6, Oct 70
Effect of altered hormonal states on the histochemical distribution of nucleic acids in the rat prostatic complex. Takkar GL, et al. Indian J Exp Biol 8:63-7, Apr 70
Effects of a high fat diet on thyroid activity, with special reference to thyroidal responses to cold. Kuroshima A, et al. Int J Biometeorol 15:55-64, Mar 71
Response of plasma Ca to thyroidectomy and calcitonin in growing pigs. Pond WG, et al. J Anim Sci 33:888-90, May 71
Adaptation of thyroid function to iodine intake in Buenos Aires. Forcher HM, et al. J Clin Endocrinol Metab 33:254-9, Feb 71
Effect of azodicarbonamide (1,1'-azobisformamide) on thyroid function. Gafford FH, et al. J Clin Endocrinol Metab 32:650-62, May 71
Estimation of the rate of release of non-thyroxine iodine from the thyroid glands of normal subjects and patients with thyrotoxicosis. Wartofsky L, et al. J Clin Endocrinol Metab 33:488-500, Sep 71
Age factor in the induced metamorphosis of thyroidectomized tadpoles. Hsü CY, et al. J Embryol Exp Morphol 25:331-8, Jun 71
The effect of prolactin on the sloughing cycle in the hypophysectomized-thyroidectomized lizard, Gekko gecko L. Chiu KW, et al. J Endocrinol 49:619-24, Apr 71
Correlation of water and electrolyte distribution in the thyroid gland with its functional state in rats and guinea-pigs. Chow SY, et al. J Endocrinol 50:577-88, Aug 71
The possible role of the thyroid in extrarenal secretion following a hypertonic saline load in the duck (Anas platyrhynchos). Ensor DM, et al. J Endocrinol 46:x, Feb 70
Reduced thyroid activity in Jamaicans. Harland WA, et al. J Endocrinol 49:537-44, Mar 71
The pituitary and sebaceous gland activity. Thody AJ, et al. J Endocrinol 48:139-40, Sep 70
Thyroid control of mitochondrial alpha-glycerolphosphate dehydrogenase in rat liver as a function of age. Bulos B, et al. J Gerontol 26:13-9, Jan 71
Conditioning of cataloxic steroid actions by the thyroid. Selye H. J Med (Basel) 1:43-55, 1970
Effects of nitrogen fertilization on the thyroid function of rats fed 40 percent orchard grass diets. Lee C, et al. J Nutr 100:1121-6, Oct 70
Interaction of dietary fat and thyroid function with hepatic and renal gluconeogenesis of rats. Suzuki H, et al. J Nutr 101:919-26, Jul 71
Influence of oestrogen on thyroid function in the ewe. Falconer IR. J Physiol (Lond) 206:471-9, Feb 70
The distribution of euthyroid serum protein-bound iodine levels. Nelson JC, et al. JAMA 216:1639-41, 7 Jun 71
Influence of sorbitol on the rate of ethanol oxidation and on acetaldehyde accumulation in hypo-, hyper- and euthyroid rats. Hillbom ME. Life Sci [II] 9:841-6, 8 Aug 70
Seasonal variation in thyroid function. Connolly RJ. Med J Aust 1:633-6, 20 Mar 71
In vitro influence of thyrotropin or long-acting thyroid stimulator on mouse thyroid membrane potential. Konno N, et al. Metabolism 19:724-34, Oct 70
Differences in composition and function of iodinated substances in stimulated thyroid glands. Middlesworth LV, et al. Metabolism 19:773-84, Oct 70
Relation of the pineal gland and environmental lighting to thyroid function in the rat. Rowe JW, et al. Neuroendocrinology 6:247-54, 1970
Micropuncture investigation of the effect of altered thyroid function on the cation concentrations and equilibrium potentials in rat thyroid colloid. Young JA, et al. Pfluegers Arch 321:187-96, 1970
Effect of thyroid states on amino acid uptake and incorporation in the chicken anterior pituitary. Hoshino S. Poult Sci 49:1043-6, Jul 70
Comparison of activity of 25-hydroxycholecalciferol and dihydrotachysterol in the thyroparathyroidectomized rat. Harrison HC, et al. Proc Soc Exp Biol Med 136:411-4, Feb 71
Effects of heat, diet and hormones on total body protein turnover rate in young and old rats. Yousef MK, et al. Proc Soc Exp Biol Med 135:763-6, Dec 70
The effect of thyroidectomy and thyroparathyroidectomy upon phosphorus homeostasis in the goat: a hypothesis for the cause of hypophosphataemia. Symonds HW. Res Vet Sci 11:260-9, May 70
Adrenotrophic action of ACTH in thyroidectomized rats. Rodríguez E, et al. Rev Esp Fisiol 27:99-102, Jun 71
Hormonal effects on hepatic cholesterol biosynthesis and esterification. Jungmann RA, et al. Steroids 17:541-57, May 71
Visual pigments of the vitamin A-deficient, thyroidectomized rat following vitamin A2 administration. Pearlman JT, et al. Vision Res 11:177-87, Mar 71
Studies on the histophysiology of the pharyngeal and heterotopic renal thyroid in the freshwater teleost Puntius sophore (Ham.). Srivastava SS, et al. Z Mikrosk Anat Forsch 83:145-65, 1971
[Dependence of cold stimulation of thyroid gland function on the estrous cycle in mice] Kapitola J, et al. Cas Lek Cesk 110:740-1, 30 Jul 71 (Cze)
[Regulation of thyroid gland blood flow with regard to the function of thyroid gland] Kapitola J. Cesk Fysiol 19:295-300, Feb 71 (Cze)
[Methods of repeated measurement of accumulation of the radioactive iodine 132-I in the thyroid gland of rats in vivo] Schüllerová M, et al. Cesk Fysiol 19:451-5, 1970 (Cze)
[Thyroid activity in normal rats, in relation to age, weight and body surface] Gall P, et al. Ann Endocrinol (Paris) 31:1091-9, Nov-Dec 70 (Fre)
[Experimental histophysiology of thyrotropic function in the toad Bufo bufo L.] Mira-Moser F. Arch Anat Histol Embryol (Strasb) 52:87-182, 1969 (Fre)
[Functional importance of thyroid regenerates developed in the guinea pig following surgical thyroidectomy. Morphological, radiobiological and biochemical studies] Fabre M, et al. Arch Biol (Liege) 80:413-42, 1969 (Fre)
[Influence of thyroidectomy on the intestinal absorption of silicon and blood silicon in rats] Charnot Y, et al. C R Soc Biol (Paris) 164:1732-4, 1970 (Fre)
[Study of changes in blood iodine and thyroid iodine during the annual cycle in the hedgehog, Erinaceus europaeus L.; comparison with thyroid histology] Pinatel C, et al. C R Soc Biol (Paris) 164:1719-22, 1970 (Fre)
[The effect of radio thyroidectomy on oxygen consumption in the cichlid Aepnidens latiforma] Ruhland ML. Can J Zool 49:423-5, Mar 71 (Fre)
[Thyroid pathology and pregnancy] Schaison G. Gynecol Obstet (Paris) 69:479-90, Nov-Dec 70 (Fre)
[Circannian rhythm of thyroid function in Peking ducks] Astier H, et al. J Physiol (Paris) 62:219-30, May-Jun 70 (Fre)
[Respective importance of the principal control levels of hypothalamo-thyrotropic regulation in birds] Bayle JD. J Physiol (Paris) 62:51-79, Jan-Feb 70 (Fre)
[Role of the functional state of the thyroid gland in incorporation of methionine-S35 in the proteins of certain organs of rats exposed to physical effort] Ardeleanu A. Rev Roum Physiol 6:55-62, 1969 (Fre)
[Study of the thyroid gland at the Hotel-Dieu at Montreal. I. Uptake of radioactive iodine by the thyroid gland in euthyroid subjects in the Montreal Region] Vityé B, et al. Union Med Can 100:257-8, Feb 71 (Fre)
[Influence of the thyroid gland on metabolism of estrone and delta-4-androstenedione in the rat ovary] Lehmann WD, et al. Endokrinologie 57:115-24, 1970 (Ger)
[Role of the thyroid gland in experimental hypertension of rats] Li Bok-Nam. Endokrinologie 58:16-20, 1971 (Ger)
[Regulation of the observed metabolic adaptation and performance increase by thyroid hormones during prolonged physical training] Kraus H, et al. Pfluegers Arch 321:332-45, 1970 (Ger)
[Experimental studies on the correlation of thyroid gland morphology and function in the rat] Zimmermann HD, et al. Verh Dtsch Ges Pathol 54:367-71, 1970 (Ger)
[The action of prolactin on thyroidectomized larvae of Bufo bufo] Campantico E, et al. Boll Soc Ital Biol Sper 47:133-6, 15 Mar 71 (Ita)
[Blood calcium in normal and thyroidectomized adult male toads treated with parathyroid hormone] Guardabassi A, et al. Ric Sci 38:373-6, Apr 68 (Ita)
[Thyroid psychobiology and conditioning] Cavalca GG, et al. Riv Sper Freniatr 95:341-51, 30 Apr 71 (Ita)
[Effects of environmental temperature, tubocurarine and pentobarbital on oxygen consumption in thyroidectomized and thyroxine treated rats] Kurahashi M. Folia Endocrinol Jap 46:796-9, 20 Oct 70 (Jap)
[Effects of pentobarbital and dinitrophenol on oxygen consumption in thyroidectomized and thyroxine-treated rats] Kurahashi M. Folia Endocrinol Jap 46:800-3, 20 Oct 70 (Jap)
[Eighteen years of our thyroid research] Yamamoto K. J Physiol Soc Jap 33:153-68, Mar 71 (128 ref.) (Jap)
[Effect of thyroidectomy on dentinogenesis: histological and histochemical study] Daimon T. Shikwa Gakuho 70:1163-78, Sep 70 (Jap)
[Thyroid function and the excretion of calcium in the urine as a function of age] Gutkowski P. Acta Physiol Pol 21:677-80, Sep-Oct 70 (Pol)
[Karyometric studies on the relation between the thyroid and salivary glands in the rat] Szymik N. Folia Morphol (Warsz) 29:365-71, 1970 (Pol)
[Pituitary gland-thyroid gland feedback regulation and its clinical significance] Gasiorowski W. Pol Tyg Lek 26:81-3, 18 Jan 71 (Pol)
[Free radicals in liver and brain tissue of white rats following injection of varying doses of thyroxine and at different periods after thyroidectomy] Azhipa IaI, et al. Biofizika 15:1056-64, Nov-Dec 70 (Rus)
[Mechanism of the anabolic effect of Nerobolil on normal and thyroidectomized rats] Popov AP, et al. Biull Eksp Biol Med 70:99-103, Nov 70 (Rus)
[Neurohypophysis and thyroid gland of sturgeon kept in water of different salinity] Iakovleva IV, et al. Dokl Akad Nauk SSSR 186:481-3, May 69 (Rus)
[Structure and function of the thyroid gland in females of the Lapland whitefish (Coregonus laveretus L.) during yearly and non-yearly spawning] Zaitsev AV. Dokl Akad Nauk SSSR 198:1228-31, 1971 (Rus)
[Surface-active properties of lung tissue extracts during different functional states of the genital and thyroid glands] Kriuchkova VI. Fiziol Zh SSSR 57:1010-3, Jul 71 (Rus)
[Effect of experimental adrenalectomy and subsequent adrenal transplantation on thyroid gland function] Khenkin VL. Klin Khir 9:13-8, Sep 70 (Rus)
[Changes in peptide maps and optical rotatory dispersion of rabbit serum albumin following thyroidectomy] Azhitskii GIu, et al. Vopr Med Khim 17:16-7, Jan-Feb 71 (Rus)
[Effect of adrenaline on the antineoplastic activity of dipin in intact and thyroidectomized rats] Chernov VA, et al. Vopr Onkol 17:62-6, 1971 (Rus)
[The effect of thyroidectomy on the resistance of adult rats to Escherichia coli endotoxin and staphylococcal exotoxin] Belokrylov GA. Zh Mikrobiol Epidemiol Immunobiol 47:72-4, Aug 70 (Rus)
[Effect of the removal of various endocrine organs on spontaneous and renal hypertension in rats] Ebihara A, et al. Prensa Med Argent 58:461-5, 30 Apr 71 (Spa)
[Thyroid-gonad correlation] Herrera Pombo JL. Rev Clin Esp 115:11-6, 15 Oct 69 (Spa)
[Role of the thyroid gland in adaptation to high mountains in rats] Dudarev VP, et al. Fiziol Zh 14:64-72, Jan-Feb 68 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Changes in reproductive functions in animals, thyroidectomized in immature and mature age] Makarenko MV. Fiziol Zh 14:499-503, Jul-Aug 68 (Ukr)

PHYSIOPATHOLOGY

Pituitary-thyroid function in thyrotoxic patients in relation to long-acting thyroid stimulator (LATS) levels. Fukuchi M, et al. Acta Endocrinol (Kbh) 65:577-82, Dec 70

A case of hydatidiform mole with severe preeclampsia and severe disturbances in thyroid function. Kristoffersen K, et al. Acta Obstet Gynecol Scand 49:119-23, 1970

Thyroid suppressibility and long-acting thyroid stimulator in thyrotoxicosis. Silverstein GE, et al. Arch Intern Med 126:615-20, Oct 70

The course of Plasmodium berghei berghei parasitemia in mice with experimental variation of thyroid function. Szudarski M. Bull Inst Mar Med Gdansk 22:49-55, 1971

Thyroid function of genetically obese rats. Bray GA, et al. Endocrinology 88:1095-9, Apr 71

X-irradiation and thyroid activity in a teleost, Mystus vittatus (Bloch). Singh TP. Experientia 26:1261-2, 15 Nov 70

Alterations in thyroid hormone economy in patients with hydatidiform mole. Galton VA, et al. J Clin Invest 50:1345-54, Jun 71

The role of the thyroid in the intestinal effect of vitamin D on rachitic rats. Winter M, et al. J Endocrinol 48:541-4, Dec 70

Growth stimulating effect of experimental sparganosis in thyroidectomized and hypophysectomized rats, and comparative activity of different species of Spirometra. Mueller JF. J Parasitol 54:795-801, Aug 68

The effect of altered thyroid state on atrial intracellular potentials. Freedberg AS, et al. J Physiol (Lond) 207:357-69, Apr 70

Changes in endocrine gland during fracture repair and effect of their ablation. Chatterjee S, et al. J Trauma 10:890-900, Oct 70

Studies on the thyroid in spontaneously hypertensive rats. II. Effect of some experimental procedures on thyroid activity. Yamabe H. Jap Circ J 34:245-55, Apr 70

Studies on the thyroid in spontaneously hypertensive rats. I. Thyroid activity. Yamabe H. Jap Circ J 34:233-44, Apr 70

Thyroid function in coronary-artery disease. Fowler PB, et al. Lancet 1:1126-7, 29 May 71

Thyroid function in coronary-artery disease. Fowler PB, et al. Lancet 2:47, 3 Jul 71

Serum-thyroxine and thyroxine-binding globulin in seriously ill patients. Harvey RF. Lancet 1:208-12, 30 Jan 71

Thyroid function after radioiodine. Jonckheer MH. Lancet 1:1296-7, 19 Jun 71

Blood-thyrotrophin and serum-cholesterol in autoimmune thyroiditis. Lamberg BA, et al. Lancet 1:1296, 19 Jun 71

Thyroid function in coronary-artery disease. Lewis B, et al. Lancet 1:1295-6, 19 Jun 71

Thyroid function in Turner's syndrome and allied conditions. McHardy-Young S, et al. Lancet 2:1161-4, 5 Dec 70

Thyroid function in acromegaly. Mukhtar E, et al. Lancet 2:279-83, 7 Aug 71

Thyroid gland in Graves' disease: victim or culprit? Chopra IJ, et al. Metabolism 19:760-72, Oct 70

Thyroid function in active acromegaly. Earll JM, et al. Milit Med 134:47-51, Jan 69

Protein bound iodine during pregnancy. Comparison of diabetics and nondiabetics. Newhouse S, et al. Obstet Gynecol 36:892-4, Dec 70

Modification of thyroid activity during development of experimental renal hypertension in rats. Fregly MJ. Tex Rep Biol Med 29:63-73, Spring 71

[Reactivation of the hypothalamo-thyroid axis. Technics and results] Riviere J, et al. Ann Endocrinol (Paris) 32:17-30, Jan-Feb 71 (Fre)

[Statistical analysis and discussin of the results of 8 thyrid function tests in diabetics without thyroid disease (apropos of 170 cases)] Mirouze J, et al. Diabete Suppl:101-8, 28 Sep 68 (Fre)

[Renal clearance of calcium and phosphorus during ulcerogenic restraint in rats. Effect of parathyroidectomy, of thyroparathyroidectomy and of adrenalectomy] Gairard A, et al. J Physiol (Paris) 1:Suppl 1:131-2, 1969 (Fre)

[Growth of the thyroid gland and thyroid hyperfunction in anterior pituitary insufficiency] Pickardt CR, et al. Dtsch Med Wochenschr 95:2166-9, 23 Oct 70 (Ger)

[Thyroid function in cows with ovarian cysts] Boitor I, et al. Dtsch Tieraerztl Wochenschr 77:53-7, 1 Feb 70 (Ger)

[Role of the thyroid gland in experimental hypertension in rats] Bok-Nam L. Endokrinologie 58:16-20, 1971 (Ger)

[Relation of function and size of the thyroid gland to thyroxine content of the serum] Braedel HU, et al. Fortschr Geb Roentgenstr Nuklearmed 112:680-6, May 70 (Ger)

[Ultrastructure of the rat thyroid epithelial cells during alimentary tocopherol and ubiquinone deficiencies and after substitution] Bähser S, et al. Z Zellforsch Mikrosk Anat 114:493-514, 1971 (Ger)

[Study of thyroid function in subjects with acquired cardiac valve defects] Furbetta D, et al. Cardiol Prat 21:273-6, Aug 70 (Ita)

[Thyroid functioning in the nephrosic syndrome. I. Influence of the disease and of prolonged corticosteroid therapy on blood iodoproteins and on basal metabolism] Balli F, et al. Minerva Pediatr 21:2109-10, 3 Nov 69 (Ita)

[Thyroid function and the excretion of calcium in the urine as a function of age] Gutkowski P. Acta Physiol Pol 21:677-80, Sep-Oct 70 (Pol)

[Studies on the effect of vibration on the thyroid gland function] Jurczak ME. Acta Physiol Pol 21:671-5, Sep-Oct 70 (Pol)

[Thyroid hyperfunction in coronary atherosclerosis] Ionescu A, et al. Stud Cercet Endocrinol 22:147-58, 1971 (Rum)

[Functional state of thyroid gland in chemotherapy of ovarian tumors] Kulik GI, et al. Akush Ginekol (Mosk) 46:30-2, Aug 70 (Rus)

[Study of the function of the thyroid gland with the aid of radioiodine in patients with dysfunctional uterine hemorrhages] Pchelkina IB. Akush Ginekol (Mosk) 46:39-40, Aug 70 (Rus)

[Functional status of the thyroid gland in patients with uterine myoma] Vasilevskaia LN, et al. Akush Ginekol (Mosk) 46:24-7, Oct 70 (Rus)

[Morphofunctional state of the thyroid gland in hypothermia and in the posthypothermic period] Giumova VA, et al. Arkh Patol 33:20-4, 1971 (Rus)

[Functional morphological changes of the thyroid gland in hypersterol "neurogenous" atherosclerosis of rabbits] Viasova ZA, et al. Arkh Patol 33:25-30, 1971 (Rus)

[Characteristics of the functional condition of the thyroid gland in hypothermia] Dolgova ZIa, et al. Biull Eksp Biol Med 70:39-43, Aug 70 (Rus)

[Thyroid gland function and H-group concentration in the blood nd tissuesof rabbits with exprimental atherosclerosis] Fbri ZI. Biull Eksp Biol Med 68:35, Aug 69 (Rus)

[Effect of the monoamine oxidase inhibitor--Iprazid, on the functional state of the thyroid gland in healthy rabbits and in rabbits with experimental atherosclerosis] Kuchuk EM, et al. Biull Eksp Biol Med 70:38-40, Nov 70 (Rus)

[Functional reorganization of the thyroid gland in experimental tuberculosis and its antibacterial therapy] Pashchenko SI, et al. Biull Eksp Biol Med 68:30-3, Nov 69 (Rus)

[Changes in thyroid gland function under the effects of glutamic acid under normal conditions and in hypoxia] Volkov MS. Biull Eksp Biol Med 68:34-6, Jun 69 (Rus)

[Change in the functioning of the thyroid gland under the chronic effect of an ultrahigh frequency field] D'iachenko NA. Gig Tr Prof Zabol 14:51-2, Jul 70 (Rus)

[Functional state of the thyroid gland in patients with lambliasis with predominant involvement of the hepatobiliary system] Lepiavko AG. Klin Med (Mosk) 48:83-9, Jul 70 (Rus)

[Functional state of the thyroid gland in some congenital sexual development malformations] Vefnberg EG, et al. Klin Med (Mosk) 48:89-93, Jul 70 (Rus)

[Effect of gonadal inflammation on the reactivity of the thyroid gland to thyrotropic hormone] Aleshin BV, et al. Probl Endokrinol (Mosk) 16:80-8, Jul-Aug 70 (Rus)

[The functnal state of the thyroid gland in women with parodontosis] Udovitskaia EV. Stomatologiia (Mosk) 49:20-2, Nov-Dec 70 (Rus)

[Changes in the functional state of thyroid gland and its metabolism during interaction of glutamic acid and methylthiouracil] Volkov MS, et al. Ukr Biokhim Zh 42:600-6, 1970 (Rus)

[Functional state of the thyroid gland in patients with vitiligo] Borisenko KK. Vestn Dermatol Venerol 45:42-5, Jan 71 (Rus)

[Effect of high-mountain climate on some indices of the functional state of the thyroid and lipid metabolism in rabbits (healthy and with experimental atherosclerosis)] Kuchuk EM, et al. Vopr Kurortol Fizioter Lech Fiz Kult 35:507-11, Nov-Dec 70 (Rus)

[Change in the thyroid gland function of patients with rheumatoid arthritis treated with long-wave ultraviolet radiation] Stanchinskaia VG. Vopr Kurortol Fizioter Lech Fiz Kult 35:418-20, Sep-Oct 70 (Rus)

[Protein-bound and thyroid hormone iodine in the blood plasma in intracranial neoplasms] Martirosian VV, et al. Vopr Neirokhir 34:45-7, Sep-Oct 70 (Rus)

[Response of the thyroid gland to the thyroid stimulant hormone (TSH) in infants with malnutrition] Beas F, et al. Rev Chil Pediatr 38:307-11, May 67 (Spa)

[Correlation in functional changes of adrenal cortex and thyroid gland in diencephalic syndromes] Lauta AD, et al. Fiziol Zh 16:691-4, Sep-Oct 70 (Ukr)

[Functional state of the thyroid gland in children with infectious nonspecific polyarthritis] Kanaeva IuA. Pediatr Akush Ginekol 4:20-1, Jul-Aug 68 (Ukr)

[Function of the thyroid gland in heart insufficiency] Janotka M, et al. Bratisl Lek Listy 55:686-96, Jun 71 (Slo)

RADIATION EFFECTS

Comparative biological effects of 125-I and 131-I on the rat thyroid. Vickery AL Jr, et al. Acta Endocrinol (Kbh) 66:201-12, Feb 71

Radiation disease in hypo- and hyperthyreotic rats. Srebro Z, et al. Agressologie 11:343-56, 1970

Effect of external x-irradiation on serum protein in the beagle. Panke TW, et al. Am J Physiol 220:174-8, Jan 71

The relative effects of x-rays, 131 I, and 125 I on rat thyroid cell proliferation in vivo. Greig WR, et al. Br J Radiol 44:236, Mar 71

Demonstration of recovery between fractionated radiations in an in vivo G-0 system (thyroid) using cellular proliferative capacity as index. Malone J, et al. Br J Radiol 44:566, Jul 71

Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al. Endokrinologie 58:37-54, 1971

Histophysiological changes in the thyroid gland of the Indian palm squirrel Funambulus pennanti (Wroughton) in response to varied doses of radioiodine. Vijayan E, et al. Endokrinologie 58:37-54, 1971

X-irradiation and thyroid activity in a teleost, Mystus vittatus (Bloch). Singh TP. Experientia 26:1261-2, 15 Nov 70

Invited comments on "A derivation of the 'Factor of 700' for 131 I". Hull AP, et al. Health Phys 19:698-9, Nov 70

Thyroid ablation in young mice--a technique combining surgery and iodine-131. Marks SC, et al. Int J Appl Radiat Isot 22:263-7, Apr 71

Alterations in serum thyrotropin (TSH) and thyroid function following radiotherapy in patients with malignant lymphoma. Glatstein E, et al. J Clin Endocrinol Metab 32:833-41, Jun 71

Thyroid carcinoma following iodine-131 therapy. Report of a case and review of the literature. McDougall IR, et al. J Clin Endocrinol Metab 33:287-92, Aug 71

Chromosome damage in thyroid cells of adults irradiated with x-rays in infancy. Doida Y, et al. Radiat Res 45:645-56, Mar 71

On the occurrence of ectopic thyroid in the normal and experimental Indian palm squirrel Funambulus pennanti (Wroughton). Vijayan E, et al. Strahlentherapie 141:485-90, Apr 71

[Morphologic changes in thyroid glands of rats after fractionated, local x-ray irradiation] Kovács L, et al. Strahlentherapie 139:487-95, Apr 70 (Ger)

[Studies on 131-I treatment of hyperthyroidism. 4. Effect of x-ray and 131-I irradiation on cultured human thyroid cells] Konishi J. Jap Arch Intern Med 17:403-13, Nov 70 (Jap)

[Studies on 131-I treatment of hyperthyroidism. 3. Ultrastructural alteration of the thyroid before and after 131-I treatment] Konishi J. Jap Arch Intern Med 17:385-401, Nov 70 (Jap)

[The effect of uranium nitrate on the morphofunctional state of the thyroid gland in rabbits] Malenchenko AF, et al. Biull Eksp Biol Med 71:36-8, Mar 71 (Rus)

[Neutron-activation autoradiography of the thyroid gland in experimental radiation injury] Tkachev AV. Med Radiol (Mosk) 15:46-9, Nov 70 (Rus)

RADIOGRAPHY

Thyroid lymphography. Beales JS, et al. Br J Surg 58:168-71, Mar 71

SECRETION

Stimulation in vitro by thyrotropin, cyclic 3',5'-AMP, dibutyryl cyclic 3',5'-AMP and prostaglandin E1, of secretion by dog thyroid slices. Williams C, et al. Biochim Biophys Acta 222:474-81, 24 Nov 70

Role of pancreozymin-cholecystokinin and structurally related compounds as calcitonin secretogogues. Care AD, et al. Endocrinology 89:262-71, Jul 71

Simultaneous effects of thyroid and adrenal inhibitors on maternal-fetal endocrine interrelations in the rat. D'Angelo SA, et al. Endocrinology 89:591-7, Aug 71

Secretion of thyrocalcitonin in organ culture. Feinblatt JD, et al. Endocrinology 88:797-804, Apr 71

Thyroid secretion in vitro: inhibition of TSH and dibutyryl cyclic-AMP stimulated 131-I release by Li+1. Williams JA, et al. Endocrinology 88:1385-8, Jun 71

Thyroid secretion in vitro: multiple actions of agents affecting secretion. Williams JA, et al. Endocrinology 88:296-17, Jan 71

Thyroxine content in thyroid glands of domestic animals. IV. Thyroid activity of camel, cattle, sheep

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and goats, in the Sudan. Abdel-Wahab MF, et al. Endokrinologie 56:206-12, 1970
Involvement of the microtubule-microfilament system in thyroid secretion. Nève P, et al. Exp Cell Res 63:457-60, Dec 70
The effect of catecholamines on calcitonin secretion in the pig. Bates RF, et al. J Endocrinol 46:xi-xii, Feb 70
Stimulation of calcitonin release from bovine thyroid by calcium and glucagon. Care AD, et al. J Endocrinol 48:667-8, Dec 70
The effect of adrenaline on calcitonin secretion in conscious sheep. Phillippo M, et al. J Endocrinol 46:12-3, Feb 70
Possible role of microtubules in thyroid secretion. Williams JA, et al. Proc Natl Acad Sci USA 67:1901-8, Dec 70
[Demonstration of lymph nodes for lymphatic drainage of the thyroid by the scintillation camera after intrathyroidal injection of a microcolloid of 198 Au. Preliminary communication] Chamla-Soumenkoff J, et al. Ann Endocrinol (Paris) 32:203-9, Jan-Feb 71 (Fre)
[Intervention of the microtubule-microfilament system in the secretory process of thyroid gland] Nève P, et al. Ann Endocrinol (Paris) 32:183-7, Jan-Feb 71 (Fre)
[Effects of TSH on some secretory thyroid nodules] Vague J, et al. Ann Endocrinol (Paris) 31:666-80, Jul-Aug 70 (Fre)
[Histochemistry of thyroid secretions of Agnatha] Gabe M. Arch Anat Microsc Morphol Exp 60:113-31, Apr-Jun 71 (Fre)
[Structural and functional variations of the C cells during experimental hypothyroidism in the rat] Moura AM, et al. C R Acad Sci [D] (Paris) 272:1145-7, 22 Feb 71 (Fre)
[Pituitary-thyroid system--with special reference to human TSH secretion] Miyai K. Clin Endocrinol (Tokyo) 18:795-801, Oct 70 (43 ref.) (Jap)
[Effect of thyroid secretion on the morphological structure of the small intestine and on the process of intestinal absorption] Książkiewicz-Szapiro MD. Pol Arch Med Wewn 46:81-5, 1971 (26 ref.) (Pol)

SURGERY

[Radioactive iodine and thyroid surgery] Soustelle J, et al. Lyon Chir 67:72-5, Jan-Feb 71 (Fre)
[Use of a suturing apparatus in surgery on the thyroid gland] Romashov FN, et al. Khirurgiia (Mosk) 46:135-8, Jul 70 (Rus)

TRANSPLANTATION

[New data on the mechanism of reaction of thyroid homografts to thyroxine in thyroidectomised guinea pigs. Demonstration of hormonal dependency of these grafts] Fabre M, et al. C R Soc Biol (Paris) 164:1356-9, 1970 (Fre)
[Autotransplantation of the thyroid in the bone marrow and the vascular lumen] Yamane I, et al. Yonago Acta Med 14:131-45, Dec 70 (Ger)
[Prolongatoon of homotransplant viability under the influence of thio-TEPA and thio-TEPA combined with hydrocortisone] Bredikhin TF. Biull Eksp Biol Med 68:90-3, Aug 69 (Rus)

THYROID GLAND, DESICCATED see under

THYROID HORMONES (D8)

THYROID GLAND FUNCTION TESTS (E1)

The diagnostic value of thyroid function tests in patients with suspicion of hydatidiform mole. Kristoffersen K, et al. Acta Endocrinol [Suppl] (Kbh) 155:91, 1971
I-131 uptake by thyroid of hypophysectomized dogs with salivary gland transplants in the sella turcica. Alvarez-Buylla R, et al. Acta Physiol Lat Am 20:13-9, 1970
How to use modern thyroid function tests. Hamburger JI, et al. Am Fam Physician 3:72-80, May 71
Thyroid function studies following the Schiller test (using Lugol's solution). Jimerson GK, et al. Am J Obstet Gynecol 108:1288-9, 15 Dec 70
Thyrotrophin radioimmunoassay: another test of thyroid function. Utiger RD. Ann Intern Med 74:637-9, Apr 71
Serum thyroxine resin uptake of liothyronine I 125, and free thyroxine index. Sarin RK, et al. Arch Intern Med 126:631-4, Oct 70
Quantitative gammagraphy of the thyroid gland with 99mTc and 131-I. A comparative study. Baptista AM, et al. Arq Patol 42:47-54, 1970
In-vitro evaluation of thyroid function. Murray IP. Australas Radiol 14:253-63, Aug 70
Diazepam and tests of thyroid function. Clark F, et al. Br Med J 1:585-6, 13 Mar 71
Reflexograph in evaluation of thyroid function in healthy children and in children with hormonal disturbances. Stopczyk K. Bull Pol Med Sci Hist 14:68-72, Apr 71
[Problems of laboratory diagnosis of the thyroid gland function in pregnancy] Zeljenka E, et al. Cesk Gynekol 36:145-7, Apr 71
Comparison of laboratory test results for assessing thyroid function in normal subjects and treated and untreated hyper- and hypothyroid patients. Lee ND, et al. Clin Chem 17:174-82, Mar 71
Thyroid function tests: a review. Miller JP, et al. Del Med J 42:232-6 passim, Sep 70 (27 ref.)
Choice of thyroid function tests. Drug Ther Bull 8:73-5, 11 Sep 70
A simple, reliable method for producing hypothyroidism in the dog and thyroid function tests in normal and hypothyroid dog. DiScala VA, et al. Endocrinology 88:504-6, Feb 71
Effect of thyrotrophin on the thyroxine-binding capacity of plasma proteins. Bános C, et al. Endokrinologie 57:395-9, 1971
An 1251 thyroid uptake system. Mantel J, et al. Health Phys 18:569-70, May 70
In vitro thyroid function test using radio-active phosphorus. Bhattacharyya AK, et al. Indian J Med Res 57:1518-23, Aug 69
The timing of Korotkoff sounds: an index of thyroid function. Singh S, et al. Indian J Med Res 58:707-13, Jun 70
In vitro R.B.C. uptake of radio-tri-iodothyronine as a useful test of thyroid function in Indian patients. I. Talukdar CK, et al. Indian J Med Res 59:578-84, Apr 71
Computer diagnosis from tests of thyroid function. Oddie TH. J Clin Endocrinol Metab 32:167-72, Feb 71
Triiodothyronine withdrawal test--a test of thyroid-pituitary adequacy. Stein RB, et al. J Clin Endocrinol Metab 32:127-9, Feb 71
Diagnostic ultrasound in clinical thyroid investigation. Thijs LG. J Clin Endocrinol Metab 32:709-16, Jun 71
Diurnal variations of the Achilles tendon reflex-time. Zamrazil V, et al. J Endocrinol 49:403-6, Mar 71
Evaluation of the resin strip technique for determining serum T3 binding capacity and serum thyroxine. Brookeman VA, et al. J Nucl Med 12:55-60, Feb 71
The effect of capsule content variations on thyroid uptake results. Lawrence CA, et al. J Nucl Med 11:561-3, Sep 70
The computer in the diagnosis of thyroid disease. Robin NI, et al. J Nucl Med 12:630-4, Sep 71
99mTc-pertechnetate for measuring thyroid suppressibility. Shimmins J, et al. J Nucl Med 12:51-4, Feb 71
The dynamic thyroid study. A rapid evaluation of thyroid function and anatomy using 99mTc as pertechnetate. Ashkar FS, et al. JAMA 217:441-6, 26 Jul 71
Thyroid uptake of radioactive iodine. A reevaluation. Caplan RH, et al. JAMA 215:916-8, 8 Feb 71
Indices of thyroid function in thyrotoxicosis. Harvey RF. Lancet 2:230-3, 31 Jul 71
Thyrotrophin-releasing hormone as a thyroid-function test. Ormston BJ, et al. Lancet 2:10-4, 3 Jul 71
Further observations on the use of the serum thyroxine estimation in the in-vitro assessment of thyroid function. Murray IP, et al. Med J Aust 1:73-7, 9 Jan 71
In-vitro thyroid tests in children. Murray IP, et al. Med J Aust 1:77-9, 9 Jan 71
Oral contraceptives and thyroid function tests. The diagnosis of thyroid disease. Winikoff D. Med J Aust 1:1059-63, 15 May 71
Thyroid function tests. Med Lett Drugs Ther 12:59-60, 10 Jul 70
Thyroid suppression test as index of outcome of hyperthyroidism treated with antithyroid drugs. Cassidy CE. Metabolism 19:745-50, Oct 70
Competitive binding assays in thyroid diagnosis. Mayberry WE. Miss Med 54:201, Mar 71
Thyroid suppression testing. Charkes ND. N Engl J Med 283:1001, 29 Oct 70
Thyroid suppression testing. Nicoloff JT. N Engl J Med 283:1001, 29 Oct 70
Tests of thyroid function. Betro MG. NZ Med J 73:68-73, Feb 71
Effects of chronic excess salt feedin: demonstration of normal thyroid function in salt-fed dogs with hypercholesterolemia. Omenn GS, et al. Proc Soc Exp Biol Med 135:380-3, Nov 70
Radioactive iodine uptake test. Siebert R, et al. Southwest Med 52:58-61, Mar 71
The normal thyroidal radioiodine uptake. Haden HT, et al. Va Med Mon 98:301-4, Jun 71
[Importance of individual diagnostic tests in differential diagnosis of the disorders of the thyroid functions. Preliminary results in a small group of patients. V. T3 test in vitro determined by Sephadex filtration] Bednář J, et al. Cas Lek Cesk 110:535-8, 1971 (Cze)
[Importance of different diagnostic tests in the differential diagnosis of impaired thyroid function. IV. Conversion factor and its evaluation. Preliminary results obtained in a small group of patients] Röhling S, et al. Cas Lek Cesk 110:399-401, Apr 71 (Cze)
[Migration of protein-bound iodine and free capacities of thyroxine and triiodothyronine-binding proteins after hyperventilation] Soumar J, et al. Cas Lek Cesk 110:365-7, 1971 (Cze)
[Perspectives in the diagnosis of thyroid gland function] Kersen F van. Ned Tijdschr Geneeskd 115:715-7, 17 Apr 71 (Dut)
[Value of the determination of total blood thyroxine by the method of isotopic saturation and by resin uptake of triiodothyronine in daily clinical work] Jonckheer MH, et al. Acta Clin Belg 25:129-38, 1970 (Fre)
[Validity of determination of stable thyroxine and of T3-resin uptake in patients contaminated with iodine] Ergo Y, et al. Ann Endocrinol (Paris) 31:750-3, Jul-Aug 70 (Fre)
[The thyrotropin stimulation test. I. Control by measurement of iodine 132 fixation in the thyroid gland] Guinet P, et al. Ann Endocrinol (Paris) 29:338-41, May-Jun 68 (Fre)
[The thyrotropin stimulation test. II. Control by determination of stable protein iodemia (PBI 127)] Guinet P, et al. Ann Endocrinol (Paris) 29:342-5, May-Jun 68 (Fre)
[Test for examination of the thyroid function] Beckers C. Bull Soc Sci Med Grand Duche Luxemb 107:299-302, Oct 70 (Fre)
[Statistical analysis and discussin of the results of 8 thyrid function tests in diabetics without thyroid disease (apropos of 170 cases)] Mirouze J, et al. Diabete Suppl:101-8, 28 Sep 68 (Fre)
[Panorama of hyperthyroidism. II. The biological syndrome. B. Werner's test] Orgiazzi J. Lyon Med 18:Suppl:39-41, 1971 (Fre)
[Panorama of hyperthyroidism. II. The biological syndrome. A. Thyroid hypersecretion estimation] Pousset G. Lyon Med 18:Suppl:36-8, 1971 (Fre)
[Thyreotropic stimulation test] Guinet P, et al. Rev Lyon Med 18:281-6, 30 Apr 69 (Fre)
[Critical study of Hamolsky's test (Herbert's technic). Apropos of 400 thyroid investigations] François B, et al. Sem Hop Paris 47:113-5, 8 Jan 71 (Fre)
[Thyroid function tests by radioactive determination in vitro. Statistical study of 500 consecutive cases of T3 and T4 measurements] Ghys R. Union Med Can 99:1478-84, Aug 70 (Fre)
[The Achilles tendon reflexogram: a valuable parameter of thyroid function] Gosselin L, et al. Union Med Can 97:727-9, Jun 68 (Fre)
[Short-term thyroid stimulation with amphetamine sulfuricum--a diagnostic test for latent and related states of hyperfunction (preliminary report)] Vlahov N. Folia Med (Plovdiv) 11:382-7, 1969 (Ger)
[Improved thyroid function tests with combined in vitro testing] Brase A. Med Klin 66:604-8, 16 Apr 71 (Ger)
[Diagnosis of hyperthyroidism after administration of exogenous iodine] Timm M, et al. Med Klin 65:252-6, 6 Feb 70 (Ger)
[Determination of amino acids in plasma and urine for the functional diagnosis of the thyroid gland] Zimmermann J, et al. Med Klin 66:11-5, 1 Jan 71 (Ger)
[Critical remark on in vitro thyroid tests (T3- and T4-test)] Montz R, et al. Med Welt 12:477-9, 20 Mar 71 (Ger)
[Diagnostic value of I-131 excretion and the 48-hour plasma activity of the thyroid] Konrády A, et al. Radiol Diagn (Berl) 11:255-63, 1970 (Ger)
[Iodine containing drugs influencing the radioiodine test] Kempe H. Z Allgemeinmed 47:956-8, Jun 71 (Ger)
[Improvement of thyroid gland function diagnostic tests through the determination of total serum thyroxine and a free thyroxin index] Riccabona G, et al. Z Allgemeinmed 46:1483-6, 31 Oct 70 (Ger)
[Clinical course of myocardial infarct and thyroid gland function] Ceremużyński L, et al. Z Gesamte Inn Med 26:282-3, 15 Apr 71 (Ger)
[Evaluation of the thyroid gland function in patients with heart insufficiency] Kuch J, et al. Z Gesamte Inn Med 26:280-2, 15 Apr 71 (Ger)
[The pinhole scanning gamma-camera and Tc99m-pertechnectate in the study of the normal thyroid gland] Pavoni P, et al. Acta Isot (Padova) 10:139-47, 15 Dec 69 (Ita)
[The Achilles reflexogram: values in 369 healthy young women] De Lutterotti A, et al. Minerva Med 61:4771-6, 24 Oct 70 (Ita)
[An in-vitro test of thyroid function. Erythrocyte uptake of thyronine labeled with iodine 131] Crema GL, et al. Minerva Radiol 15:30-5, Jan-Feb 70 (Ita)
[Thyroid 131 I uptake test] Kimura K. Jap J Clin Med 28:2751-4, Dec 70 (Jap)
[Thyroid gland tolerance test] Shishiba Y. Jap J Clin Med 28:2755-8, Dec 70 (Jap)
[Measurement of Achilles tendon reex persisting time as a thyroid function test] Kuma K, et al. Naika 27:577-83, Mar 71 (Jap)
[Evaluation of measurements of liver activity in the course of thyroid gland function studies] Denisiewicz R. Pol Przegl Radiol 34:595-602, Jul-Aug 70 (Pol)
[^{132}I uptake, the Thiopac test and percentage of free thyroxine in children with arrested somatic development] Kobielowa Z, et al. Przegl Lek 27:422-5, 28 Jun 71 (Pol)
[Modern diagnostic criteria of thyroid function in the evaluation of preoperative preparation for

strumectomy] Szadkowski A.
Wiad Lek 24:945-9, 15 May 71 (43 ref.) (Pol)
[Study of the function of the thyroid gland with the aid of radioiodine in patients with dysfunctional uterine hemorrhages] Pchelkina IB.
Akush Ginekol (Mosk) 46:39-40, Aug 70 (Rus)
[Use of the quantitative parameters of iodine metabolism in the gland during the study of thyroid function] Mirkhodzhaev AKh, et al.
Probl Endokrinol (Mosk) 16:5-9, Jul-Aug 70 (Rus)
[Effect of estradiol and ovariectomy on the thyroid function in rats] Serafimov N, et al.
God Zb Med Fak Skopje 16:381-4, 1970 (Ser)
[Use of the 8th day test in patients with high values of thyroid radioiodine uptake in 24 hours] Chiessa ME, et al.
Rev Argent Endocrinol Metab 14:137-43, Sep 68 (Spa)
[Our experience in the functional diagnosis of toxic adenomas of the thyroid] Ortiz Berrocal J, et al.
Rev Clin Esp 121:335-8, May 71 (Spa)
[Thyroid function tests] Archila E, et al.
Rev Colomb Obstet Ginecol 22:93-100, Mar-Apr 71 (Spa)
[Diagnostic value of total serum thyroxine] Claure H, et al. Rev Med Chil 98:725-8, Nov 70 (Spa)
[Kinetic analysis of iodine in hyperthyroidism] Pineda G, et al. Rev Med Chil 98:729-33, Nov 70 (Spa)
[Value of the free thyroxine index in the evaluation of thyroid gland function] Borota R, et al.
Med Pregl 24:63-7, 1971 (Cro)

ADVERSE EFFECTS

[Blood coagulation changes caused by diagnostic and therapeutic dosage of I-131. II. Therapeutic dose (5 mC)] Nenci GG, et al.
Riv Patol Clin Sper 10:107-12, Apr-Jun 69 (Ita)

INSTRUMENTATION

An improved I.A.E.A. neck phantom for thyroid uptake series. Gillespie PJ, et al. Br J Radiol 44:319-21, Apr 71

STANDARDS

New normal values for thyroid uptake of radioactive iodine. Ghahremani GG, et al.
JAMA 217:337-9, 19 Jul 71
[Criteria of normality in thyroid exploration tests in children] Piepsz A.
Acta Paediatr Belg 23:103-21, 1969 (Fre)
[Activated charcoal as adsorbent for exogenous iodinated compounds in determining hormonal iodine in serum] Ködding R, et al.
Clin Chim Acta 31:271-6, Jan 71 (Ger)
[Diagnostic methods in thyroid gland diseases] Schulte P. Dtsch Med Wochenschr 95:2487-90, 4 Dec 70 (Ger)
[Error magnitude, equipment display and application dose in biphasic studies of thyroid gland iodine metabolism using I-131. 1. Error analysis. 2. Standardized procedure] Michel L, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:550-7, Apr 71 (Ger)

THYROID HORMONES (D8)

see also related
THYROGLOBULIN (D10)

Thyroxine-protein interactions. VII. Effect of thyroxine analogs on the binding of 125-I-thyroxine to highly purified human thyroxine-binding globulin. Hao YL, et al. Endocrinology 88:81-92, Jan 71
The binding of thyroid hormones to phospholipid membranes. Hillier AP.
J Physiol (Lond) 211:585-97, Dec 70

ADMINISTRATION & DOSAGE

Endocrine approach in the management of dysfunctional uterine bleeding. Garcia CR.
Clin Obstet Gynecol 13:460-73, Jun 70 (10 ref.)
Which thyroid hormone preparation is best? Hamburger JI, et al. Mich Med 70:119-20, Feb 71
Intestinal mucosal hyperplasia following induced hyperthyroidism in the rat. Wall AJ, et al.
Virchows Arch [Zellpathol] 6:79-87, 1970
[Clinical study on the cardiac tolerance and biological action of a lyophilized thyroid extract administered orally. Apropos of 30 cases] Warembourg H, et al.
Lille Med 13:Suppl:266-8, Mar 68 (Fre)
[Long term therapy of hypothyreosis. Results of reexamination of 162 patients] Reinwein D, et al.
Dtsch Med Wochenschr 96:265-71, 12 Feb 71 (Ger)
[Effect of thyroid and testosterone administration on dental caries in the rat] De Tomasi A.
Rass Trimest Odontoiatr 51:147-52, Jul-Sep 70 (Ita)

ADVERSE EFFECTS

[A case of hyperthyroidism induced by thyroid extracts] Laroche C, et al.
Rev Fr Endocrinol Clin 11:295-302, Jul-Aug 70 (Fre)
[Influence of thyroid extract therapy on blood glucose and insulin levels in myxedema] Faliucca F, et al.
Folia Endocrinol (Roma) 23:252-63, Jun 70 (Ita)
[4 cases of suspected thyrotoxicosis factitia] Ishizuka K, et al. Naika 26:589-93, Sep 70 (Jap)
[Familial intrinsic hypothyroidism (2 brothers) and induced gout crisis caused by opotherapy] Zorrilla Dendarieta JM. Rev Clin Esp 119:451-4, 15 Dec 70 (Spa)

ANALYSIS

A study of thyroid hormone in children and adolescents in a series of MZ and DZ twins and their siblings. Stabenau JR, et al.
Acta Genet Med Gemellol (Roma) 19:127-31, Jan-Apr 70
Spectrophotometric determination of monoiodotyrosine, diiodotyrosine, and thyroxine in iodoproteins. Covelli I, et al.
Anal Biochem 42:82-90, Jul 71
Gas chromatographic determination of iodinated compounds. Funakoshi K, et al.
Anal Biochem 27:150-61, Jan 69
Determination of iodoamino acids and inorganic iodide by thin-layer chromatography. Wu C, et al.
Anal Biochem 37:313-9, Oct 70
Radioimmunoassay of thyroid and steroid hormones. Ekins RJ. Br J Radiol 43:828, Nov 70
Chromatographic studies of thyroid hormones in thyroid tissue of various conditions. Boonnamsiri V, et al. J Med Assoc Thai 53:617-26, Sep 70
[New methods for the evaluation of thyroid hormones. Comments on the article in issue No. 2, 1971] Wanjura L, et al. Med Monatsschr 25:381-3, Aug 71
Differences in composition and function of iodinated substances in stimulated thyroid glands. Middlesworth LV, et al. Metabolism 19:773-84, Oct 70
[Trial automatic analysis of iodinated (127 I) amino acids in the thyroid gland of the amphibious vole (Arvicola amphibius) by chromatography and colorimetric determination] Turckheim M de, et al.
C R Soc Biol (Paris) 164:307-12, 25 Sep 70 (Fre)
[Thin-layer chromatography of thyroid hormones] Hartmann N, et al.
Acta Biol Med Ger 24:219-21, 1970 (Ger)
[Spectrophotometric determination of iodine in thyroidin] Trifimov AR, et al.
Farmatsiia 20:38-41, 1971 (Rus)

BIOSYNTHESIS

Hormonogenesis in organ culture of normal and pathological human thyroid tissues. Barzilai D, et al.
Isr J Med Sci 6:660-4, Sep-Oct 70
[Kinetics of iodide in humans. Analysis by computer and tricompartmental model. II. Application to anomalies of thyroid hormonogenesis with positive perchlorate test] Savoie JC, et al.
Ann Endocrinol (Paris) 31:699-706, Jul-Aug 70 (Fre)
[Goiter with disturbances in formation of iodothyronines and the presence of abnormal iodoproteins] Tubiana M, et al.
Ann Endocrinol (Paris) 29:313-29, May-Jun 68 (Fre)
[Goiter caused by dyshormogenesis] Magalhaes Collaço F. Cah Coll Med Hop Paris 9:357-65, Apr 68 (Fre)
[Congenital hypothyroisis with goiter caused by a genetic defect of thyroid hormone synthesis in 2 brothers] Zhukovskiĭ MA, et al.
Pediatriia 49:81-2, Jul 70 (Rus)

BLOOD

Thyroid hormone relationships between maternal and fetal circulations in human pregnancy at term: a study in patients with normal and abnormal thyroid function. Robin NI, et al.
Am J Obstet Gynecol 108:1269-76, 15 Dec 70
Determination of serum thyroid hormone in laboratory animals. Auclair RF, et al.
Am J Vet Res 31:1655-60, Sep 70
Comparison of thyroid hormone levels in Hereford and Brahman cattle. Cowley JJ, et al.
J Anim Sci 32:981-3, May 71
Influences of age, breed and sex on plasma hormones in cattle. Irvin R, et al. J Anim Sci 32:292-5, Feb 71
Thyroid hormone concentration in serum after thyroid stimulation. Williams ES, et al.
J Endocrinol 49:xi, Mar 71
[Simultaneous determination of thyroid hormones and protein bound iodine (PBI)] Henry JC, et al.
Ann Biol Clin (Paris) 28:265-8, 1970 (Fre)
[Supposed quantitative determination of free thyroid hormones in the plasma by filtration on "Sephadex G 25"] Simon C, et al.
C R Acad Sci [D] (Paris) 271:1042-5, 21 Sep 70 (Fre)
[Iodine metabolism in severe renal insufficiency and effect of hemodialysis] Beckers C, et al.
Rev Fr Endocrinol Clin 11:233-7, May-Jun 70 (Fre)
[Relation of the blood level of thyroid hormone to delay of the Korotkoff sound] Váňa S, et al.
Endokrinologie 58:111-8, 1971 (Ger)
[Relation of blood thyroid hormone level to the delayed Korotkoff tone] Váňa S, et al.
Endokrinologie 58:111-8, 1971 (Ger)
[Quantitative determination of thyroid-hormone-iodine in blood serum by neutron activation analysis] Schmölzer G, et al.
Int J Appl Radiat Isot 21:697-701, Dec 70 (Ger)
[Physiopathology of plasmatic transport of thyroid hormones] Andreoli M, et al.
Recent Progr Med (Roma) 46:507-46, Jun 69 (Ita)
[Symposium. I. Free thyroid hormones] Nihei N, et al.
Folia Endocrinol Jap 47:130-3, 20 May 71 (Jap)
[Determination of iodized amino acids in blood serum by thin-layer chromatography] Tarasova OV.
Lab Delo 2:111-4, 1971 (Rus)
[Improved diagnosis of hypothyroidism in adults via determination of thyreotropin in serum] Almqvist S.
Nord Med 84:1252-3, 24 Sep 70 (Swe)

CHEMICAL SYNTHESIS

Thyroxine analogues: synthesis and nuclear magnetic resonance spectral studies of diphenylamines.
Mukherjee R, et al. J Chem Soc [Org] 9:1596-600, 1971

DIAGNOSTIC USE

Human thyroglobulin and thyroid extract as specific stimulators of sensitized lymphocytes. Ehrenfeld EN, et al. J Clin Endocrinol Metab 32:115-6, Jan 71

ISOLATION & PURIFICATION

Column chromatographic separation and chemical determination of nanogram amounts of thyroid hormones. Gehring D, et al.
Acta Endocrinol [Suppl] (Kbh) 155:9, 1971
[A new isolation procedure for thyroid hormones and their precursors in blood serum] Schreiber BE, et al.
Clin Chim Acta 30:129-36, Oct 70 (Ger)

METABOLISM

Comparison of the intrathyroidal fate of iodotyrosine-derived and newly entering iodide in the rat. Halbach H. Endocrinology 89:184-90, Jul 71
Thyroid hormone-protein interactions in active thyroid immunity. Premachandra BN.
Indian J Pediatr 37:294-304, Jul 70
[Hypothyroidism caused by congenital familial defect of iodotyrosine deiodation] De Maegd M, et al.
Acta Paediatr Belg 24:115-20, 1970 (Dut)

PHARMACODYNAMICS

Nuclear hypersegmentation of neutrophil granulocytes in hyperthyroidism. Carrasco-Formiguera R, et al.
Acta Cient Venez 21:102-4, 1970
Catecholamine sensitivity, thyroid hormone and the heart. A reevaluation. Levey GS.
Am J Med 50:413-20, Apr 71 (56 ref.)
The thyroid and its relation to myocardial dynamics as recorded with the high-frequency (acceleration) direct body ballistocardiograph. Winer NJ.
Bibl Cardiol 26:66-73, Mar-Apr 69
Inotropic effects of thyroxine and related compounds on guinea-pig left atria in vitro. Baird JR, et al.
Br J Pharmacol 40:526-7, Nov 70
Thyroid hormone induced changes in the enzyme activity pattern of energy-supplying metabolism of fast (white), slow (red), and heart muscle of the rat. Kubišta V, et al. Eur J Biochem 18:553-60, Feb 71
Thyroid hormones and the gut. Middleton WR.
Gut 12:172-7, Feb 71 (45 ref.)
Effect of thyroid hormones on epinephrine-induced lipolysis in adipose tissue of rats. Ichikawa A, et al.
J Biochem (Tokyo) 69:1055-64, Jun 71
Control of mitochondrial turnover under the influence of thyroid hormone. Gross NJ.
J Cell Biol 48:29-40, Jan 71
Comparative effects of a purified diet and a natural food stock ration on he occurrence of periodontal lesions in thyrotoxic rats. Ershoff BH, et al.
J Dent Res 50:141-8, Jan-Feb 71
Interrelationship of the effects of aldosterone and thyroid hormones on sodium transport and electrical properties of rat colon. Edmonds CJ, et al.
J Endocrinol 48:189-97, Oct 70
Thyroid control of mitochondrial alpha-glycerolphosphate dehydrogenase in rat liver as a function of age. Bulos B, et al.
J Gerontol 26:13-9, Jan 71
The effect of hormones on some fungi in vitro. Mourši H, et al. Mykosen 11:747-54, 1 Oct 68
Biochemical modulations of the transcephalic direct current circuit in humans. Cowen MA.
Psychiatr Q 44:408-21, 1970
[Effects of thyroid extracts on the measurement of serum insulin-like activity (ILA)] Orsetti A, et al.
J Physiol (Paris) 1:Suppl 1:158-9, 1969 (Fre)
[Study of the non-specific pharmacodynamic action of certain pituitary and thyroid hormones on the neuroadrenergic system] Simionescu S, et al.
Rev Roum Physiol 7:123-40, 1970 (Fre)
[Long-term incubation of isolated rat-liver mitochondria: attempt at stimulation of glycerin-3-phosphate oxidase activity with thyroid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hormone] Kleitke B, et al.
Acta Biol Med Ger 25:545-54, 1970 (Ger)
[Chromatographic study of iodized organic thyroid compounds in experimental immunological thyroiditis] Pagliaini R, et al.
Arch E Maragliano Patol Clin 26:75-83, Mar-Apr 70 (Ita)
[Thyroid psychobiology and conditioning] Cavalca GG, et al. Riv Sper Freniatr 95:341-51, 30 Apr 71 (Ita)
[Influence of thyroid hormones on the metabolic processes in the body] Pisarek-Miedzińska D, et al.
Ginekol Pol 41:1147-51, Oct 70 (4 ref.) (Pol)
[Effect of thyroidin on the oxygen consumption and growth of young rats following prolonged administration of reserpine] Eiantsev AB.
Biull Eksp Biol Med 70:63-5, Oct 70 (Rus)
[Effect of thyroid hormones on the complexing of hydrocortisone with transcortin in gonadectomized guinea pigs] Fanchenko ND, et al.
Biull Eksp Biol Med 70:42-5, Dec 70 (Rus)
[The influence of thyroid hormones on pancreatic secretion] Kienia AI.
Fiziol Zh SSSR 56:266-72, Feb 70 (Rus)
[Effect of thyroidin and triiodothyronine on the transformation of alloxan prediabetes in rats into latent diabetes and latent forms into manifested diabetes] Zaripova ZKh.
Probl Endokrinol (Mosk) 16:71-5, May-Jun 70 (Rus)
Effect of some hormones on uropepsin excretion in dogs] Genes CG, et al.
Fiziol Zh 16:14-23, Jan-Feb 70 (Ukr)

PHYSIOLOGY

A trial of assessment of the role of thyroid hormone in allergic conditions in children. Walczyński Z.
Allerg Asthma (Leipz) 15:336-9, 1969
Thyroid hormones and the oxygen affinity of hemoglobin. Schussler GC, et al.
Ann Intern Med 74:832-3, Apr 71
Mechanism of thyroid stimulation of metabolism. Strauss MB. Ann Intern Med 74:793-4, May 71
Influence of hypothyroid state on ovulation in rats. Hagino N. Endocrinology 88:1332-6, Jun 71
Effects of thyroid hormone on amino acid and protein metabolism. 3. Influence of hydrocortisone on blood plasma and tissue glutamate levels of the rat in various thyroid hormone states. Mochizuki A, et al.
Endocrinology 89:618-21, Aug 71
Mechanochemistry of cardiac muscle. V. Influence of thyroid state on energy utilization. Skelton CL, et al.
J Clin Invest 50:463-73, Mar 71
Progesterone-dependent blastocyst survival during altered thyroid activity in the rat. Holland JP, et al.
J Reprod Fertil 23:143-6, Oct 70
Differential inhibition of red cell carbonic anhydrase isozymes in hyperthroidism. Headings VE, et al.
Nature (Lond) 228:1197-9, 19 Dec 70
Responses of normal and goitrogen-fed cockerels to different environmental temperatures. Snedecor JG.
Poult Sci 50:237-43, Jan 71
[Influence of thyroid secretions on the transmembranous electric activity of the pangolin heart (Manis tricuspis Rafinesque)] Kreher P, et al.
J Physiol (Paris) 62:Suppl 3:396-7, 1970 (Fre)
[Development of adrenergic reactivity as a function of the state of thyroid impregnation of the organism] Escousse A, et al. Therapie 26:129-40, Jan-Feb 71 (Fre)
[Regulation of the observed metabolic adaptation and performance increase by thyroid hormones during prolonged physical training] Kraus H, et al.
Pflluegers Arch 321:332-45, 1970 (Ger)
[Cytochemical analysis of the stomach mucopolysaccharides of normal rats and rats with experimental hypo- and hyperthyrosis] Turevskiĭ AA, et al. Biull Eksp Biol Med 71:83-7, Jan 71 (Rus)

SECRETION

Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al.
Acta Endocrinol (Kbh) 66:162-8, Jan 71
Amines and mouse thyroid activity: release of thyroid hormone by catecholamines and indoleamines and its inhibition by adrenergic blocking drugs. Melander A.
Acta Endocrinol (Kbh) 65:371-84, Oct 70
On the role of amino-containing thyroid mast cells in thyroid hormone secretion. Melander A, et al.
Acta Endocrinol [Suppl] (Kbh) 155:12, 1971
Stimulation in vitro by thyrotropin, cyclic 3',5'-AMP, dibutyryl cyclic 3',5'-AMP and prostaglandin E1, of secretion by dog thyroid slices. Willems C, et al.
Biochim Biophys Acta 222:474-81, 24 Nov 70
Endocytosis of thyroglobulin and release of thyroid hormone in mice by catecholamines and 5-hydroxytryptamine. Ericson LE, et al.
Endocrinology 87:915-23, Nov 70
KI and imidazole inhibition of TSH and c-AMP induced thyroidal iodine secretion. Pisarev MA, et al.
Endocrinology 88:1217-21, May 71
Effect of decreased dietary protein on the rate of thyroid hormone secretion and food consumption in rats. Singh DV, et al. J Endocrinol 50:445-50, Jul 71
Catecholamines and thyroid activity. Maayan ML, et al.
N Engl J Med 284:732-3, 1 Apr 71
[Ultrastructural aspects in experimental immunological thyroiditis (with reference also to the behavior of hormone secretion after a single thyrotropin stimulation)] Pende G, et al.
Folia Endocrinol (Roma) 23:466-95, Aug 70 (Fre)
[Thyroiditis] Visco G.
Policlinico [Prat] 76:1409-28, 3 Nov 69 (Ita)
[Mechanism of thyroid hormone secretion] Konno N. Saishin Igaku 26:921-9, May 71 (82 ref.) (Jap)

THERAPEUTIC USE

Thyroid as an adjuvant to amphetamine therapy of obesity. A controlled double-blind study. Kaplan NM, et al. Am J Med Sci 260:105-11, Aug 70
Clinical and laboratory response to different thyroid substitution medications. Schoen HC, et al.
Am J Med Sci 260:299-307, Nov 70
Symptomatic atherosclerosis: prevention or modification by treatment with desiccated thyroid. Wren JC. J Am Geriatr Soc 19:7-22, Jan 71
Hypothyroidism. Herfindal ET, et al.
J Am Pharm Assoc 11:493-7 passim, Sep 71
Thyroid-antithyroid therapy of thyrotoxicosis. Green WL, et al. JAMA 216:1484-5, 31 May 71
Antithyroid-thyroid therapy for thyrotoxicosis. Selenkow HA. JAMA 214:2198, 21 Dec 70
Thyroid-antithyroid treatment of hyperthyroidism. Waxtofsky L. JAMA 215:1325, 22 Feb 71
An appraisal of the hormonal control of carcinoma of the thyroid gland. Block GE.
Surg Gynecol Obstet 132:289-90, Feb 71
[Plasma growth hormone and hypothyroidism in children. Influence of treatment on the response to stimulation. Study of 11 children] David M, et al.
Ann Pediatr (Paris) 17:100-10, 2 Feb 70 (Fre)
[Drug therapy of obesity] Zara M.
Rev Fr Odontostomatol 46:1025-8, Dec 70 (Fre)
[When and how to prescribe thyroid hormones] Merchie G. Rev Med Liege 24:445-51, 1 Jun 69 (Fre)
[Value and danger of drugs prescribed in obesity] Lumbroso P. Therapeutique 47:635-8, Jun-Jul 71 (Fre)
[Drug therapy of obesity] Zara M.
Therapeutique 46:1025-8, Dec 70 (Fre)
[Critical studies on optimal substitution therapy of hypothyroidism using synthetic thyroid hormones] Hackenberg K, et al.
Dtsch Med Wochenschr 96:1375-9, 27 Aug 71 (Ger)
[Substitution therapy of hypothyreosis using natural and synthetic thyroid hormones] Horster FA, et al.
Verh Dtsch Ges Inn Med 75:766-8, 1969 (Ger)
[Conservative treatment of euthyroid and recurrent goiter using a thyroid hormone drug] Klug W.
Zentralbl Chir 95:249-53, 21 Feb 70 (Ger)
[Radioiodine and substitutive opotherapy in the treatment of thyroid carcinoma] Baschieri L, et al.
Minerva Med 62:268-9, 20 Jan 71 (Ita)
[Thomsen's disease and hypothyroidism: considerations on a clinical case] Boncinelli A, et al.
Riv Sper Freniatr 94:1593-605, 3 Dec 70 (Ita)
[2 stages in the treatment of acute pancreatitis and criteria for recovery] Velichenko VM, et al.
Vestn Khir 104:37-41, Jun 70 (Rus)

THYROID NEOPLASMS (C2)

Thyroglossal tract carcinoma. A review of the literature and addition of eighteen cases. Jaques DA, et al. Am J Surg 120:439-46, Oct 70 (49 ref.)
Childhood thyroid carcinoma. Harness JK, et al.
Arch Surg 102:278-84, Apr 71
The natural history of thyroid cancer. A report of 102 cases analyzed 10 to 15 years after diagnosis. McKenzie AD. Arch Surg 102:274-7, Apr 71
Carcinoma of the thyroid metastatic to lymph nodes of the neck. Wilson SM, et al.
Arch Surg 102:285-91, Apr 71
"Benign metastasizing goiter" of Cohnheim: an experimental study with the transplantable thyroid tumor of the rat. Matovinovic J, et al.
Cancer Res 31:258-96, Mar 71
An unusual trabecular thyroid cancer producing calcitonin. Milhaud G, et al.
Experientia 26:1381-3, 15 Dec 70
Medullary carcinoma of the thrroid with amyloid stroma. Chitale AR, et al.
Indian J Pathol Bacteriol 13:79-82, Apr 70
Thyroid carcinoma. A clinical study. Smith EB.
J Natl Med Assoc 63:104-6, Mar 71
Carcinoma of the thyroid. Lovell SH.
Med J Aust 1:211, 23 Jan 71
Metastatic tumors in the jaws. McDaniel RK, et al.
Oral Surg 31:380-6, Mar 71
Medullary carcinoma of the thyroid gland. Keynes WM, et al. Q J Med 40:443-56, Jul 71
Physiologic implications of medullary carcinoma of the thyroid gland. Kaplan EL, et al.
Surg Clin North Am 51:125-37, Feb 71 (59 ref.)
Carcinoma of the thyroid gland. Hardin WJ, et al.
Surg Gynecol Obstet 132:450-6, Mar 71
Cancer of the thyroid. Harrison JM.
Va Med Mon 98:332-7, Jun 71
[2 cases of radiation-induced cancers of the thyroid gland] Bourdial J, et al.
Ann Otolaryngol Chir Cervicofac 87:815-6, Dec 70 (Fre)
[Problems posed by the cold thyroid nodule] Robert J, et al. Bull Mem Soc Chir Paris 59:301-5, 1969 (Fre)
[Papilledema following lymph node excision] Biervacque A, et al.
Bull Soc Ophtalmol Fr 69:879-81, Sep-Oct 69 (Fre)
[Pathogenesis and treatment of nontoxic goiter (including the problem of thryroid cancer)] De Visscher M.
Bull Soc Sci Med Grand Duche Luxemb 107:305-11, Oct 70 (Fre)
[Thoracic metastasis of thyroid cancer in adults (apropos of 35 cases)] Lamy P, et al.
J Fr Med Chir Thorac 23:805-25, Sep-Oct 69 (Fre)
[Metastatic thyroid cancer] Reboul J, et al.
J Radiol Electrol Med Nucl 51:815-6, Dec 70 (Fre)
[An exceptional form of thyroid tumor: oncocytic goiter] Saout J, et al.
J Sci Med Lille 87:321-3, Apr 69 (Fre)
[Review of a series of 28 cases of thyroid gland cancer] Artigas V, et al. Lyon Chir 65:279-85, Mar-Apr 69 (Fre)
[Developmental aspects of 50 thyroid nodules in adults with onset in childhood] Maurel P, et al.
Mars Med 107:597-603, 1970 (Fre)
[The cold thyroid nodule clinically isolated (statistics on 275 operated cases)] Soustelle J, et al.
Mem Acad Chir (Paris) 94:833-41, 1968 (Fre)
[The place of cancer in isolated cold thyroid nodule] Milcou SM, et al.
Probl Actuels Endocrinol Nutr 13:39-49, 1969 (Fre)
[Sinusal metastasis from a thyroid epithelioma] Bataille R, et al.
Rev Stomatol Chir Maxillofac 72:129-31, Jan-Feb 71 (Fre)
[Thyroid neoplasms. Review of 62 cases from the Notre-Dame Hospital (Montreal)] Charette D, et al.
Union Med Can 98:2082-7, Dec 69 (Fre)
[Rare case of thyroidreticulosarcoma causing skin metastases] Czigány J. HNO 17:115-9, Apr 69 (Ger)
[On the spread of laryngeal carcinoma to the thyroid gland. (Apropos of personal cases)] Rucco B, et al.
Arch Ital Otol 81:95-103, Mar-Apr 70 (Ita)
[Multiple bronchopulmonary metastases from thyroid adenoma] De Sanctis G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1391-6, 1968 (Ita)
[Sarcomas of the thyroid gland] Raschellà D.
Clin Otorinolaringoiatr 21:121-8, Mar-Apr 69 (Ita)
[Fetal adenoma and cancer of the thyroid gland in a patient with tuberous sclerosis (Bourneville's disease)] Ghidini O, et al.
Minerva Med 62:1669-78, 21 Apr 71 (Ita)
[The natural history of cancer of the thyroid] Marcialis A, et al. Minerva Med 62:269-71, 20 Jan 71 (Ita)
[Parapharyngiomas: clinical and radiological considerations] Di Leila V, et al.
Nunt Radiol 35:245-62, Mar 69 (Ita)
[Recurrence of goiter after 30 years: Huerthle cell tumor] Pescatore S, et al.
Rass Int Clin Ter 49:1426-35, 30 Nov 69 (Ita)
[Mesenchymal neoplasms of the thyroid. Case contribution] Pedrazzoli S, et al.
Riv Patol Clin Sper 10:85-100, Apr-Jun 69 (Ita)
[Primary thyroid cancer followed by multiple skin metastases] Tanaka N, et al.
Jap J Clin Med 29:1420-6, May 71 (Jap)
[Clinical studies of malignant lymphoma of thyroid origin] Sasaki E, et al.
Surg Ther (Osaka) 23:610-7, Dec 70 (Jap)
[Anaplastic thyroid carcinoma] Sznapka Z, et al.
Nowotwory 20:203-8, Jul-Sep 70 (Pol)
[C-cellular adenoma of the thyroid gland] Beskid M, et al. Pol Arch Med Wewn 46:165-70, Feb 71 (Pol)
[A case of primary lymphogranulomatosis of the thyroid gland] Litwin M, et al.
Pol Przegl Chir 42:1237-9, Aug 70 (Pol)
[Results of treatment of malignant neoplasms of the thyroid] Kossak J, et al.
Wiad Lek 23:2183-6, 15 Dec 70 (Pol)
[Osteolytic metastasis of thyroid carcinoma] Lima MB, et al. Arq Bras Med 54:165-7, Apr-Jun 67 (Por)
[Effect of thyrosin, stilbestrol and their hormono-cytostatic derivatives on human thyroid cancer cultures in vitro] Zimel H, et al.
Stud Cercet Endocrinol 22:123-7, 1971 (Rum)
[Metastasis of malignant tumors to the thyroid gland] Kalinin AP, et al. Sov Med 33:136-8, Oct 70 (Rus)
[The problem of the thyroid nodule, with special reference to the malignant nodule] Sillero J, et al.
Rev Clin Esp 115:371-82, 15 Dec 69 (Spa)
[Endocrine-active thyroid neoplasms] Heimann P, et al.
Nord Med 84:1437, 5 Nov 70 (Swe)

BLOOD

Plasma calcitonin activity in a patient with thyroid medullary carcinoma and her children with osteopetrosis. Verdy M, et al.
J Clin Endocrinol Metab 32:216-21, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CLASSIFICATION

Clinical staging system for carcinoma of the thyroid gland. CA 18:224-6, May-Jun 68

[Nomenclature and histopathologic classification of primary epitheliomas of the thyroid body (306 cases)] Gérard-Marchant R, et al.
J Chir (Paris) 100:51-6, Jul-Aug 70 (Fre)

COMPLICATIONS

Parathyroid and thyroid disease. II. Thyroid disease connected with hyperparathyroidism. Heimann P, et al. Acta Chir Scand 136:143-6, 1970

A case of thyroid carcinoma and primary hyperparathyroidism with pseudoclubbing. Richards AJ. Br J Clin Pract 25:34-6, Jan 71

Oral manifestations of giant cell carcinoma of the thyroid gland. Hanratty WJ.
Br J Oral Surg 8:281-6, Mar 71

Medullary carcinoma of the thyroid with hypocalcaemia. Clinical and ultrastructural observations. McDermott FT, et al.
Br J Surg 57:657-61, Sep 70

Incidence of thyroid carcinoma in Graves' disease. Shapiro SJ, et al. Cancer 26:1261-70, Dec 70

The association of thyroid cancer and hyperthyroidism. Georgiadis NJ, et al. Int Surg 55:27-31, Jan 71

Undifferentiated malignant tumour of the thyroid gland with tumour embolism of the aorta. Mital RN, et al. J Cardiovasc Surg (Torino) 12:75-7, Jan-Feb 71

Carcinoma of the lingual thyroid. Potdar GG, et al.
Laryngoscope 81:427-9, Mar 71

Cushing's syndrome caused by ACTH- and calcitonin-secreting medullary carcinoma of the thyroid. Melvin KE, et al. Metabolism 19:831-8, Oct 70

Abnormal intradermal histamine reaction in the syndrome of pheochromocytoma, medullary carcinoma of the thyroid gland and multiple mucosal neuromas. Baum JL. N Engl J Med 284:963-4, 29 Apr 71

Aplastic anaemia with carcinoma of the thyroid. Smith CC, et al. Postgrad Med J 47:161-3, Mar 71

Spontaneous consumption coagulopathy in a dog with thyroid cancer. Slappendel RJ, et al.
Thromb Diath Haemorrh 24:129-35, 31 Oct 70

[Treatment of several cases of bilateral paralysis of abduction of the vocal cords] Leroux-Robert J. Acta Otorhinolaryngol Belg 23:555-63, 1969 (Fre)

[Gerhardt's syndrome revealing thyroid cancer] Escat M, et al. J Fr Otorhinolaryngol 18:689-91, Nov 69 (Fre)

[Upper mediastinal tumorous opacity related to venous propagation of thyroid cancer] Linquette M, et al.
Lille Med 14:1189-93, Dec 69 (Fre)

[Left recurrent paralysis, 1st clinical manifestation of a right thyroid reticulosarcoma] Soustelle J, et al.
Lyon Chir 67:143-5, Mar-Apr 71 (Fre)

[Toxic adenoma and cancer] Simonin R, et al.
Mars Med 107:907-10, 1970 (Fre)

[Pulmonary metastasis of a thyroid cancer discovered in the course of a surgical intervention for tuberculosis in a child (apropos of 1 case)] Louchet E, et al. Pediatrie 23:339-47, Apr-May 68 (Fre)

[Toxic adenoma and Hashimoto's thyroiditis] Berthezene F, et al.
Presse Med 79:403-5, 20 Feb 71 (Fre)

[25 cases of thyroid cold nodules] Derghazarian CB.
Union Med Can 99:1852-5, Oct 70 (Fre)

[Thyreotoxic crisis in thyroid neoplasm] Raith L, et al.
Internist (Berlin) 11:146-8, Apr 70 (Ger)

[Endocrine polyadenomatosis combined with a tentorial meningioma] Banki H, et al.
Wien Klin Wochenschr 82:257-9, 3 Apr 70 (Ger)

[Thyroid gland adenoma with diffuse bone metastases] Eckhardt B. Zentralbl Chir 95:206-12, 7 Feb 70 (Ger)

[The association of thyroid disease and diabetes mellitus] Botteghelli R, et al.
Minerva Med 61:5446-9, 28 Nov 70 (Ita)

[On toxic adenoma of the thyroid gland (Plummer's syndrome)] Di Lauro E. Valsalva 46:35-41, Feb 70 (Ita)

[Paraneoplastic encephalopathy] Arseni C, et al.
Neurol Psihiatr Neurochir 15:513-28, Nov-Dec 70 (Rum)

[Thyroid cancer and hyperthyroidism in a girl] Hamuy J, et al. Arch Argent Pediatr 68:29-31, Mar 70 (Spa)

[Thyroid diseases and hyperparathyroidism] Hansson G, et al. Nord Med 84:1437, 5 Nov 70 (Swe)

DIAGNOSIS

Hazards in the diagnosis and management of certain thyroid nodules in children. Block MA, et al.
Am J Surg 120:447-51, Oct 70

Thyroid scanning with 131Cs. Murray IP, et al.
Br Med J 4:653-6, 12 Dec 70

Medullary carcinoma of the thyroid. Bumpy lip syndrome. Sturtz GS, et al.
Clin Pediatr (Phila) 10:81-5, Feb 71

Carcinoma in a solitary thyroid nodule. Bhagabati JN, et al. Indian J Med Sci 25:329-33, May 71

Thyroid metastases diagnosed by 99m Tc scanning. A case report. Wiener SN, et al.
J Can Assoc Radiol 21:190-1, Sep 70

Benign metastasizing thyroid struma presenting as nasal polyp. Vishwakarma SK, et al.
J Laryngol Otol 84:1261-5, Dec 70

Medical grand rounds--thyroid nodule. Dunlap DB.
J Med Assoc Ga 60:249-51, Jul 71

Early visualization of 99mTc-pertechnetate in metastatic thyroid cancer in a patient with Graves' disease. Carr HA, et al. J Nucl Med 12:40-2, Jan 71

Is it the blood background? Chandra R, et al.
J Nucl Med 12:650-2, Sep 71

Thyroid nodule scans made with pertechnetate and iodine may give inconsistent results. Usher MS, et al.
J Nucl Med 12:136-7, Mar 71

"Owl eye" sign of benign autonomous thyroid nodule. Ashkar FS, et al. JAMA 214:1563, 23 Nov 70

Skin test for medullary thyroid carcinoma. Gorlin RJ.
N Engl J Med 284:963-4, 29 Apr 71

Thyroid tumour scanning with 197HgCl2. Preliminary note. Artagaveytia D, et al.
Nucl Med (Stuttg) 9:350-3, 31 Dec 70

Failure of 197HgCl2 scintigraphy to distinguish between benign and malignant "cold" thyroid nodules. Wiener JD, et al.
Nucl Med (Stuttg) 9:1-4, 30 Mar 70

Pathological dilemmas in the operative recognition of chronic thyroiditis. Harrison TS, et al.
Surg Clin North Am 50:1067-73, Oct 70

[Differential diagnosis of thyroid adenomas using color scintigraphy] Huvar A, et al.
Vnitr Lek 16:1171-5, Dec 70 (Cze)

[Medullary thyroid epitheliomas revealed by a motor diarrhea of long duration] Gadrat J.
Bull Acad Natl Med (Paris) 152:53-8, 23 Jan 68 (Fre)

[Malignant pseudo-melanoma of the thyroid (apropos of formalin pigment)] Gérard-Marchant R.
Bull Cancer (Paris) 56:91-8, Jan-Mar 69 (Fre)

[Immediate histology of thyroid gland cancers] Laedlein-Greilsammer D, et al.
Bull Cancer (Paris) 57:477-86, Oct-Dec 70 (Fre)

[Cervical adenopathy as a symptom revealing thyroid papillary carcinoma] Palma F.
Experientia 27:360-2, 15 Jan 71 (Fre)

[Diagnostic value of cold thyroid nodule. Therapeutical aspects] Bertocchi R.
J Med Lyon 51:1393-4 passim, 20 Jun 70 (Fre)

[Mammary and thyroid echography] Gros C, et al.
J Radiol Electrol Med Nucl 52:222-8, Mar-Apr 71 (Fre)

[Usefulness of scintillations camera as "anthropogammameter" in the study of thyroid cancer] Hoefer R, et al.
J Radiol Electrol Med Nucl 51:671-3, Nov 70 (Fre)

[Diagnosis of malignant thyroid diseases with the aid of puncture-biopsy and 1311 scintigraphy] Soumar J, et al. Maroc Med 548:313-8, May 71 (Fre)

[Value of combined angiography and scintigraphy for the diagnosis of thyroid diseases] Schmidt H, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:469-78, Apr 70 (Ger)

[Peculiarities of radio-iodine diagnostics and indication for surgery in solitary and multiple adenomas of the thyroid gland in children] Thiemann KJ, et al.
Langenbecks Arch Chir 322:1223-7, 1968 (Ger)

[Reticulosarcoma in thyroid gland region. Cytodiagnosis] Smejkal V, et al.
Wien Klin Wochenschr 83:406-7, 4 Jun 71 (Ger)

[Utilization of the scintigram of the thyroid gland: "Curvescan"] Seyss R.
Wien Med Wochenschr 121:339-43, 17 Apr 71 (Ger)

[Problems in diagnosis and treatment of thyroid cancer] Lewitus Z.
Harefuah 77:495-502, 1 Dec 69 (Heb)

[Scintiphotography with the gamma camera] Marabini A. Fracastoro 62:5-20, Jan-Feb 69 (Ita)

[Scintiscanning of the thyroid with Tc99m in pediatrics] Mussa GC, et al.
Minerva Pediatr 23:501-6, 24 Mar 71 (Ita)

[Detection of metastatic foci of the thyroid gland using 131-I] Watanabe K, et al.
Rinsho Hoshasen 16:99-106, Feb 71 (Jap)

[Isolated thyroid metastasis of bronchial carcinoma] Komarnicka R, et al.
Pol Tyg Lek 26:646-7, 26 Apr 71 (Pol)

[Case of thyroid lymphosarcoma] Religa H, et al.
Wiad Lek 24:355-8, 15 Feb 71 (Pol)

[P32 uptake in the diagnosis of nodular thyroid diseases] Dumitriu L, et al.
Stud Cercet Endocrinol 21:425-31, 1970 (Rum)

[Latent cancer of the thyroid gland] Propp RM.
Klin Med (Mosk) 49:27-30, Mar 71 (Rus)

[Errors in recognition and surgical treatment of thyroid cancer] Petrov VI, et al.
Vopr Onkol 16:50-5, 1970 (Rus)

[Features of the clinical course of papillary tumors of the thyroid gland] Valdina EA.
Vopr Onkol 17:13-8, 1971 (Rus)

[Hyperthyroidism and thyroid neoplasms] Pilheu FR, et al. Prensa Med Argent 57:1143-5, 7 Aug 70 (Spa)

[Carcinoma and the isolated thyroid nodule] Barceló Lucerga B, et al.
Rev Clin Esp 117:169-74, 30 Apr 70 (Spa)

[Thyroid cold zones. Evaluation of the scanning findings] Montoya Agudo V, et al.
Rev Clin Esp 115:383-6, 15 Dec 69 (Spa)

[Neck adenopathies as a revealing symptom of papillary thyroid carcinoma] Palma F.
Rev Clin Esp 117:423-6, 31 May 70 (Spa)

DRUG THERAPY

Bleomycin treatment for cancer of the thyroid. Harada T, et al. Am J Surg 122:53-7, Jul 71

Hormones in advanced cancer.
Br Med J 2:760-3, 26 Jun 71

An appraisal of the hormonal control of carcinoma of the thyroid gland. Block GE.
Surg Gynecol Obstet 132:289-90, Feb 71

[Radioiodine and substitutive opotherapy in the treatment of thyroid carcinoma] Baschieri L, et al.
Minerva Med 62:368-9, 30 Jan 71 (Ita)

[Possibilities of systemic chemotherapy with methotrexate in the treatment of neglected forms of malignant neoplasms of the head and neck] Liubaev VL, et al.
Vestn Akad Med Nauk SSSR 26:70-3, 1971 (Rus)

ENZYMOLOGY

Histoenzymological properties of Askanazy-Hürthle cells of the thyroid gland and neoplasms of these cells. Raikhlin NT, et al.
Folia Histochem Cytochem (Krakow) 8:231-48, 1970

Elevated histaminase activity in medullary carcinoma of the thyroid gland. Baylin SB, et al.
N Engl J Med 283:1239-44, 3 Dec 70

Histaminase and medullary thyroid carcinoma. Melvin KE. N Engl J Med 283:1286-7, 3 Dec 70

[Variations of the activity of dehydrogenases of aerobic and anaerobic glycolysis, of peroxidases and of DNA in normal and pathological thyroid glands cultured in vitro] Tagcí C, et al.
Ann Endocrinol (Paris) 31:599-608, Jul-Aug 70 (Fre)

ETIOLOGY

Thyroid carcinoma following iodine-131 therapy. Report of a case and review of the literature. McDougall IR, et al.
J Clin Endocrinol Metab 33:287-92, Aug 71

Neoplasms after childhood irradiation of the thymus gland. Janower ML, et al. JAMA 215:753-6, 1 Feb 71

Chromosome damage in thyroid cells of adults irradiated with x-rays in infancy. Doida Y, et al.
Radiat Res 45:545-56, Mar 71

Carcinoma of the thyroid following ionizing radiation for Hodgkin's disease. Meyer OO.
Wis Med J 70:129-33, May 71

[Malignant thyroid adenoma following x-ray irradiation in childhood] Gilly L, et al.
Strahlentherapie 139:695-7, Jun 70 (Ger)

[Malignant struma. 3-, 5- and 8-year results in 259 cases] Heinze HG, et al.
Strahlentherapie 139:656-64, Jun 70 (Ger)

[Incidence of carcinoma in multinodular goiter] Yokumura Y, et al. Rev Paul Med 76:93-8, Sep 70 (Por)

[The effect of uranium nitrate on the morphofunctional state of the thyroid gland in rabbits] Malenchenko AF, et al.
Biull Eksp Biol Med 71:36-8, Mar 71 (Rus)

FAMILIAL & GENETIC

Sippie's syndrome (pheochromocytoma and thyroid carcinoma) with bilateral breast carcinoma. Lima JB, et al. Am J Surg 121:732-5, Jun 71

X-ray therapy and thyroid tumors. Epstein E.
JAMA 215:486, 18 Jan 71

Familial pheochromocytoma, medullary thyroid carcinoma, and parathyroid adenomas. Paloyan E, et al. JAMA 214:1443-7, 23 Nov 70

Familial bilateral pheochromocytoma with medullary carcinoma of the thyroid. The second kindred of familial pheochromocytoma in Japan. Sato T, et al.
Jap Heart J 12:405-13, Jul 71

A neuropolyendocrine syndrome: mucosal neuromas, pheochromocytoma, and medullary thyroid carcinoma. Bartlett RC, et al.
Oral Surg 31:206-20, Feb 71

[Nonfortuitous association of endocrine diseases in 2 sisters: pheochromocytoma in one, medullary tumor of the thyroid in the other] Decoulx M, et al.
Lille Med 16:187-91, Jan 71 (Fre)

[Trisomy 21 and neoplastic potentialities] Kissel P, et al. Rev Otoneuroophtalmol 41:255-9, Jul-Aug 69 (Fre)

IMMUNOLOGY

[Study on the phenomenon of antigen simplification in human thyroid neoplasms] Furiosi P, et al.
Acta Chir Ital 25:865-76, Nov-Dec 69 (Ita)

[Radioimunologic dosesof thyrotropin hormoe. Preliinary resul] Vigneri R, et al.
Folia Endocrinol (Roma) 23:314-30, Jun 70 (Ita)

[The organ specificity of thyroid gland tumors] Krupnik SI. Biull Eksp Biol Med 66:92-4, Nov 68 (Rus)

[Antigens of normal and pathologically changed human thyroid gland] Siniakov BS, et al.
Sov Med 33:125-31, Sep 70 (45 ref.) (Rus)

[The specificity of the anaphylaxis with desensitization

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

reaction in tumors of the human thyroid gland] Siniakov BS, et al. Vopr Onkol 17:49-53, 1971 (Rus)

METABOLISM

Fluorogenic amines in the C-cells thyroid tumours of man. Beskid M, et al.
Acta Histochem (Jena) 38:74-81, 1970
Medullary carcinoma of the thyroid with hypercalcitoninemia and hypocalcemia. Markovitz M.
Ariz Med 28:26-7, Jan 71
The nature of particulate thyroid proteins in an experimental rat thyroid tumor. Salabé GB, et al.
Biochim Biophys Acta 214:196-206, 27 Jul 70
Nuclear DNA content of occult sclerosing and frank papillary carcinoma of the thyroid. Izuo M, et al.
Cancer 27:902-9, Apr 71
Some biochemical and cytogenetic properties of rat thyroid tumors. Wu C, et al.
Cancer Res 31:577-82, May 71
Suppression and stimulation of calcitonin secretion in medullary thyroid carcinoma. Deftos LJ, et al.
Metabolism 20:428-31, Apr 71
Microspectrophotometric measurements of deoxyribonucleic acid in human thyroid carcinomas. Lindsay S. Surg Gynecol Obstet 131:905-13, Nov 70
[Thyroid medullary cancer: does the hyperthyrocalcitonin syndrome exist?] Milhaud G, et al. Probl Actuels Endocrinol Nutr 13:111-33, 1969 (Fre)
[Ectopic thyrocalcitonin secretion] Milhaud G, et al.
Rev Med Suisse Romande 90:539-46, Jul 70 (Fre)
[Calcitonin activity in medullary thyroid carcinoma tumor and serum] Delling G, et al.
Acta Endocrinol [Suppl] (Kbh) 152:88, 1971 (Ger)
[On the behavior of plasmatic and urinary magnesium in patients with thyroid diseases] Abate S, et al.
Rass Int Clin Ter 51:861-7, 31 Jul 71 (Ita)

MORTALITY

Prolonged survival in metastatic thyroid carcinoma. Irving MH, et al. Br J Surg 58:155-7, Feb 71
The prognosis and insurability of thyroid cancer patients. Frazell EL, et al. CA 20:270-5, Sep-Oct 70
Changing end results in patients with papillary carcinoma of the thyroid. Crile G Jr.
Surg Gynecol Obstet 132:460-8, Mar 71

OCCURRENCE

Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation. Weiss ES, et al.
Am J Public Health 61:241-9, Feb 71
Thyroid carcinoma in the Japanese in Hawaii. Fukunaga FH, et al. Arch Pathol 92:6-13, Jul 71
Population surveys on the prevalence of thyroid cancer in a non-endemic region, Nagano, Japan. Maruchi N, et al. Int J Cancer 7:575-83, 15 May 71
Diagnosis and management of non-toxic thyroid disease. Cox PA, et al.
Med Ann DC 39:633-6 passim, Dec 70
Diagnosis and management of non-toxic thyroid isease. Cox PA, et al. Presse Med 79:663-6 passim, 9 Jan 71
[The thyroid gland. 3. Review of 100 cases of cancer] Cadotte M, et al.
Union Med Can 100:267-70, Feb 71 (Fre)
[Epidemiology, etiological factors and histological classification of malignant tumors of the thyroid] Veronesi U, et al. Minerva Med 62:272-4, 20 Jan 71 (Ita)
[Goiter and thyroid gland tumors in autopsies from 1961 to 1968] Begić-Janev A, et al.
Srp Arh Celok Lek 98:193-204, Feb 70 (Ser)
[Multiple malignat neoplasms in othorhinolarynology] Corvera J, et al.
Acta Otorinolaryngol Iber Am 21:483-92, 1970 (Spa)

PATHOLOGY

Perfusion fixation with glutaraldehyde for electronmicroscopy of human thyroid tumours. Heimann P.
Acta Pathol Microbiol Scand [A] 78:695-700, 1970
Two histochemically different human parafollicular cells. Further studies on a thyroid gland with medullary carcinoma. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:621-4, 1970
Argentaffin, parafollicular cells in the non-tumorous parenchyma of a thyroid gland with medullary carcinoma. Ljungberg O.
Acta Pathol Microbiol Scand [A] 78:364-6, 1970
Primary squamous cell carcinoma of the thyroid gland: a report of four cases. Huang TY, et al.
Am J Clin Pathol 55:93-8, Jan 71
Pathologic quiz case 2. Grant JR, et al.
Arch Otolaryngol 93:216-7 passim, Feb 71
Smallest forms of papillary carcinoma of the thyroid. A study of 141 microcarcinomas less than 0.1 cm in greatest dimension. Sampson RJ, et al.
Arch Pathol 91:334-9, Apr 71
Medullary thyroid carcinoma: a functional peptidesecreting tumour. Johnston CI, et al.
Australas Ann Med 19:50-3, Feb 70
The solitary thyroid nodule. A review of 771 thyroidectomy specimens. Knowlson GT.
Br J Surg 58:253-4, Apr 71
Roentgenographic-histologic patterns of calcification in thyroid nodules. Fujimoto Y, et al.
Endocrinol Jap 17:263-72, Aug 70
Medullary thyroid carcinoma with amyloid. Rao NR, et al. Indian J Cancer 8:68-71, Mar 71
Normal chromosomes in mucosol neuroma variant of medullary thyroid carcinoma syndrome. Nankin H, et al. J Med Genet 7:374-8, Dec 70
C-cell thyroid adenoma in man. Beskid M, et al.
J Pathol 103:1-4, Jan 71
Chondrosarcoma of the larynx invading the thyroid gland. Ross DE. Laryngoscope 81:379-86, Mar 71
Occult thyroid carcinoma and the cold nodule. Clark RW, et al. Milit Med 135:563-5, Jul 70
The C cells in human nodular adenomatous goiter. Beskid M, et al. Pol Med J 9:855-60, 1970
Hyaline carcinoma of the thyroid. (A separate neoplastic entity). Laskowski J.
Pol Med J 10:1-11, 1971
Clinicopathologic conference. Dichoso C, et al.
Tex Med 67:76-86, Jul 71
[Remarks on the histogenesis of medullary carcinoma with amyloid stroma of the thyroid. Apropos of 5 cases with ultrastructural study of 2 cases] Benatre A, et al.
Arch Anat Pathol (Paris) 19:5-17, Mar 71 (Fre)
[Reliability of amyloid stains in medullary carcinoma of the thyroid gland] Gérard-Marchant R, et al.
Arch Anat Pathol (Paris) 19:19-23, Mar 71 (Fre)
[Nomenclature and histopathologic classification of primary epitheliomas of the thyroid body (306 cases)] Gérard-Marchant R, et al.
J Chir (Paris) 100:61-6, Jul-Aug 70 (Fre)
[Electron microscope study of thyroid medullary carcinoma with amyloid stroma] Chénard J.
Laval Med 40:273-4, Mar 69 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Baschieri L, et al.
Probl Actuels Endocrinol Nutr 13:7-21, 1969 (Fre)
[The localization of amyloid in solid thyroid carcinoma] Kozlowski H, et al.
Arch Geschwulstforsch 34:197-210, 1969 (Ger)
[Clinical and embryologic studies on the localization of thyreoid tumors] Kamba S.
Bruns Beitr Klin Chir 218:218-24, Sep 70 (Ger)
[Principles of thyroid cytology] Frahm H, et al.
Med Welt 18:746-9, 1 May 71 (Ger)
[Electron microscopic examination of a C-cell carcinoma] Hachmeister U, et al.
Verh Dtsch Ges Pathol 54:371-5, 1970 (Ger)
[Morphologic variants of tumors of the thyroid gland from Ashkinazi (Hürthle) cells] Smirnova EA.
Vopr Onkol 16:7-12, 1970 (Ger)
[Optical and ultrastructural study of a case of medullary carcinoma of the thyroid] Amouroux J, et al. Z Krebsforsch 74:122-30, 1970 (Ger)
[The histological pattern of thyroid toxic adenoma, its specificity and variants; study based on 220 cases] Zampi G, et al.
Arch De Vecchi Anat Patol 54:859-84, Apr 69 (Ita)
[Atypical squamous metaplasia of the thyroid follicular epithelium in a case of multiple myeloma with involvement of the thyroid] Bianchi C, et al.
Riv Anat Patol Oncol 35:430-40, 1969 (Ita)
[Mesenchymal malignant tumors of the thyroid] Veronesi U, et al. Tumori 55:417-22, Nov-Dec 69 (Ita)
[Case of medullary carcinoma of the thyroid gland--electron microscopic and silver staining observations] Tateishi R, et al.
Jap J Cancer Clin 17:465-8, Jun 71 (Jap)
[So-called lateral aberrant thyroid] Takamatsu O.
Shujutsu 24:1384-91, Nov 70 (Jap)
[Osteochondrosarcoma of the thyroid gland] Nowak K, et al. Patol Pol 22:381-5, Apr-Jun 71 (Pol)
[Dynamics of progression and coexistence of mixed forms of thyroid carcinoma] Rudowski W, et al.
Pol Tyg Lek 25:1689-91, 9 Nov 70 (Pol)
[Comparative electron microscopic study of the ultrastructure and localization of centrioles in embryonic, normal and neoplastic thyroid gland cells] Dmitrieva NP.
Arkh Anat Gistol Embriol 60:49-57, 1971 (Rus)
[Papillary cancer of the thyroid gland] Bomash NIu.
Arkh Patol 32:25-30, 1970 (Rus)
[Medullary cancer of the thyroid gland with amyloidosis of the stroma] Odinokova VA, et al.
Arkh Patol 32:30-4, 1970 (Rus)
[Hurthle-Askinazi cells] Rudnitskaia AIu.
Arkh Patol 32:38-42, 1970 (Rus)
[Histogenesis of adenoma of the thyroid gland] Odinokova VA, et al.
Khirurgiia (Mosk) 45:21-5, Sep 69 (Rus)
[Electron microscopic study of the dynamics of submicroscopic changes in thyroid gland cells during the process of experimental cancerogenesis] Dmitrieva NP. Tsitologiia 12:834-43, Jul 70 (Rus)
[The cytologic picture of thyroid gland cancer] Nikitina NI. Vopr Onkol 16:12-8, 1970 (Rus)
[Perfusion fixation of human neoplasm tissue for electron microscopy] Heimann P, et al.
Nord Med 84:1350, 15 Oct 70 (Swe)
[Parafollicular cells and their relation to medullary thyroid carcinoma] Ljungberg O.
Nord Med 85:481-2, 15 Apr 71 (Swe)

PHYSIOPATHOLOGY

Effect of thyrotrophin on the thyroxine-binding capacity of plasma proteins. Bános C, et al.
Endokrinologie 57:395-9, 1971
[The carcinoma of the C-cells (paraollicular cells) of the thyroid gland] Hoensch H.
Dtsch Med Wochenschr 96:126-9, 15 Jan 71 (24 ref.) (Ger)

RADIOGRAPHY

The identification of hot and cold thyroid lesions at operation and its place in the surgical management of carcinoma of the thyroid. Dobyns BM, et al.
Bull Soc Int Chir 29:375-80, Nov-Dec 70
Roentgenographic-histologic patterns of calcification in thyroid nodules. Fujimoto Y, et al.
Endocrinol Jap 17:263-72, Aug 70
The radiologic aspects of medullary (solid) thyroid carcinoma. Wallace S, et al.
Radiol Clin North Am 8:463-74, Dec 70 (20 ref.)
[Clinical study of percutaneous thyrolymphography] Lorenzini L, et al.
Minerva Chir 26:635-8, 30 Jun 71 (Ita)
[Sublingual phlebography. A method for the radiologic study of the venous circulation in the neck] Banfi A, et al. Radiol Med (Torino) 55:625-34, Jul 69 (Ita)
[Angiography of the thyroid gland] Petračić B, et al.
Liječ Vjesn 92:87-92, 1970 (Cro)

RADIOTHERAPY

Radioiodine therapy to out-patients--the contamination hazard. Chandra R, et al. Br J Radiol 44:557, Jul 71
Follow-up thyroid carcinoma by whole-body counting. Edmonds CJ, et al. Br J Radiol 43:868-75, Dec 70
Retropharyngeal spread of carcinoma of the thyroid. McCormack KR, et al. Cancer 26:1366-9, Dec 70
Metastases from anaplastic thyroid carcinoma responding to radioiodine. Donovan JK, et al.
Clin Radiol 22:401-4, Jul 71
Complex treatment of the carcinoma of the thyroid gland. Bozduganov A, et al.
Folia Med (Plovdiv) 12:208-12, 1970
Criteria for selecting thyroid cancers as suitable for radioiodine treatment. Pochin EE.
Indian J Cancer 7:191-9, Sep 70
Primary carcinoma of the thyroglossal duct. Report on a case treated by radioiodine. Zamrazil V, et al.
Neoplasma 18:421-6, 1971
[Therapy of cancer of the thyroid gland] Campioni N.
Policlinico [Prat] 77:997-1005, 3 Aug 70 (Ita)
[Thyroid destruction by means of radioactive iodine] Pochin EE, et al.
Recent Progr Med (Roma) 47:219-38, Sep 69 (Ita)
[Use of radioactive phosphorus for cancer metastasis to bone and multiple myeloma] Kantin AV, et al.
Vopr Onkol 17:46-50, 1971 (Rus)

SURGERY

Modified neck dissection for carcinoma of the thyroid gland. Marchetta FC, et al. Am J Surg 120:452-5, Oct 70
Treatment of papillary carcinoma of the thyroid with emphasis on conservative neck dissection. Mustard RA. Am J Surg 120:697-703, Dec 70
Surgery in malignant tumors of the thyroid gland. A review of 15 years' experience with 225 cases. Schindel J. Ann Otol Rhinol Laryngol 80:61-6, Feb 71
Use and abuse of thyroidectomy.
Br Med J 1:619-20, 20 Mar 71
The surgical treatment of papillary thyroid carcinoma. Mustard RA. Bull Soc Int Chir 29:366-74, Nov-Dec 70
Papillary carcinoma of the thyroid. I. Developing pattern of metastasis. Noguchi S, et al.
Cancer 26:1053-60, Nov 70
Papillary carcinoma of the thyroid. II. Value of prophylactic lymph node excision. Noguchi S, et al.
Cancer 26:1061-4, Nov 70
Experience with surgical treatment of the malignant thyroid. Hájek M, et al. Int Surg 55:327-30, May 71
Surgery for the solitary thyroid nodule. Sanders GB.
J Ky Med Assoc 69:34-6, Jan 71
Adenomatous goitre. May CB.
Nurs Times 67:138-40, 4 Feb 71
A miniaturized probe for detecting radioactivity at thyroid surgery. Morris AC Jr, et al.
Phys Med Biol 16:397-404, Jul 71
Thyroid carcinoma in children: a selective operative approach. Block MA, et al. South Med J 64:791-7, Jul 71
A modified neck dissection for carcinoma of the thyroid. Block GE, et al.
Surg Clin North Am 51:139-48, Feb 71
Complications of total thyroidectomy for carcinoma. Thompson NW, et al.
Surg Gynecol Obstet 131:861-8, Nov 70
[Follow-up of patients after surgery for malignant goiter] Hájek M, et al.
Rozhl Chir 50:293-5, May 71 (Cze)
[Surgical procedure in the management of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

differentiated thyroid carcinoma] Niederle B, et al. Rozhl Chir 49:619-24, Dec 70 (Cze)
[Resection of the right common carotid in a case of a thyroid adenocarcinoma. Apropos of a case report] Stoenescu D, et al. Acta Chir Belg 68:714-8, 1969 (Fre)
[Surgery of cold thyroid nodules] Martin ED. Bull Mem Soc Chir Paris 59:306-8, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Massin JP, et al. Probl Actuels Endocrinol Nutr 13:51-7, 1969 (Fre)
[Carcinoma of the thyroid gland] Knöchelmann R. Dtsch Med J 20:704-6, 5 Dec 69 (Ger)
[Adenoma of the thyroid gland in youngsters] Keminger K, et al. Langenbecks Arch Chir 322:1218-22, 1968 (Ger)
[Late results of surgical therapy of thyroid cancer] Onishi M, et al. Yonago Acta Med 14:165-70, Dec 70 (Ger)
[Goiter surgery] Kremer K, et al. Zentralbl Chir 96:356-65, 13 Mar 71 (Ger)
[Problems in diagnosis and treatment of thyroid cancer] Lewitus Z. Harefuah 77:495-502, 1 Dec 69 (Heb)
[Unusual electrocardiographic aspects of hypocalcemia] Rossi S, et al. Acta Gerontol (Milano) 20:237-46, Oct-Dec 70 (Ita)
[The treatment of thyroid carcinoma] Bucalossi P. Minerva Med 62:271-2, 20 Jan 71 (Ita)
[Studies of iodine metabolism after total and subtotal strumectomy] Costa A, et al. Minerva Med 61:5918-22, 22 Dec 70 (Ita)
[Indications and technics for surgical treatment of thyroid carcinoma] Di Matteo G. Minerva Med 62:264-6, 20 Jan 71 (Ita)
[My experience in the surgical treatment of cancers of the thyroid] Lanzara A. Minerva Med 62:266-8, 20 Jan 71 (Ita)
[My experience in cancer of the thyroid] Marcozzi G. Minerva Med 62:263-4, 20 Jan 71 (Ita)
[Plastic resection of the trachea with the Gebauer technic for recurrent cancer of the thyroid] Jovino R, et al. Rass Int Clin Ter 51:292-8, 15 Mar 71 (Ita)
[Radical resection of thyroid cancer with infiltration into the larynx and trachea] Miura T, et al. Shujutsu 24:1366-75, Nov 70 (Jap)
[Surgical technic in thyroid cancer] Seda K, et al. Shujutsu 24:1359-65, Nov 70 (Jap)
[Surgery of malignant tumors of the thyroid gland] Takai S, et al. Shujutsu 24:1376-83, Nov 70 (Jap)
[Surgical indication in benign nodules of the thyroid gland] Inagaki H. Surg Ther (Osaka) 24:499-505, May 71 (Jap)
[Carcinoma of the thyroid gland] Wachowiak W. Poznan Tow Przyj Nauk Wydz Lek 38:251-70, Apr 68 (Pol)
[Thyroid tumors derived from Hürthle's cells] Kossak J, et al. Wiad Lek 23:2071-3, 1 Dec 70 (Pol)
[Volume of surgical intervention in papillary tumors of the thyroid gland] Valdina EA. Sov Med 33:62-7, 1970 (Rus)
[Surgical treatment of thyroid gland cancer] Valdina EA. Vopr Onkol 16:108-15, 1970 (73 ref.) (Rus)
[Current status of surgery of tumors of the thyroid gland] Artigas Riera V. Prensa Med Argent 57:1415-20, 18 Sep 70 (Spa)
[Otorhinolaryngologists and malignant struma] Gušić B. Med Glas 24:155-7, Apr-May 70 (Cro)

THERAPY

Treatment of thyroid cancer. Death rates after surgery and after surgery followed by sodium iodide I-131. Varma VM, et al. JAMA 214:1437-42, 23 Nov 70
[Combined therapy of thyroid neoplasm] Kvapil F, et al. Sb Lek 72:281-7, Dec 70 (Cze)
[Therapeutic procedure in cancer of the thyroid gland] Bellet. Bord Med 4:203-4 passim, Jan 71 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Baschieri L, et al. Probl Actuels Endocrinol Nutr 13:7-21, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Lahneche B, et al. Probl Actuels Endocrinol Nutr 13:23-37, 1969 (Fre)
[The place of cancer in isolated cold thyroid nodule: therapeutic attitude] Soumar J, et al. Probl Actuels Endocrinol Nutr 13:59-65, 1969 (Fre)
[On the thyroid gland] Cuneo M. Minerva Chir 26:101-3, 31 Jan 71 (Ita)
[Malignant struma as an ENT problem] Ilić C. Med Glas 24:157-9, Apr-May 70 (Cro)
[Results of treatment of reticulosarcomas in ENT] Takić J, et al. Med Glas 24:169-70, Apr-May 70 (Cro)

URINE

Measurement of thyrocalcitonin-like activity in urine of patients with medullary carcinoma. Voelkel EF, et al. J Clin Endocrinol Metab 32:102-9, Jan 71

VETERINARY

Adenocarcinoma of the thyroid in a marmoset (Saguinus nigricollis). Williamson ME, et al. Lab Anim Care 20:1139-41, Dec 70

THYROID STIMULATING HORMONE see

THYROTROPIN (D8)

THYROID STIMULATOR, LONG-ACTING see

LONG-ACTING THYROID STIMULATOR (D12)

THYROIDECTOMY (E4)

Ultrastructure of thyroid glands transplanted into the anterior eye chamber of thyroidectomized rats. Pantić V, et al. Acta Anat (Basel) 75:533-65, 1970
Pituitary gonadotrophic activity of thyroidectomized prepuberal female rhesus monkeys. Srivastava K, et al. Acta Biol Med Ger 26:101-4, 1971
Thyroid-sympathetic nervous system interactions in thermoregulation. Gale CC, et al. Acta Endocrinol [Suppl] (Kbh) 155:34, 1971
Effect of thyroidectomy and chronic methylthiouracil treatment on hypothalamic neurosecretion in the rat. Konstantinova M, et al. Acta Morphol Acad Sci Hung 18:203-12, 1970
Studies on mammary respiratory metabolism and mammary development after thyroidectomy in the rabbit. Nilsson A, et al. Acta Physiol Scand 80:4A-5A, Dec 70
Modern indications for thyroidectomy. Colcock BP. Am J Surg 122:296-9, Sep 71
Methoxyflurane in thyroid surgery. Iles IA, et al. Anesth Analg (Cleve) 49:312-7, Mar-Apr 70
Anesthetic management of an incompletely controlled hyperthyroid patient for thyroidectomy. Cook DR, et al. Anesthesiology 33:562-4, Nov 70
Diagnosis and treatment of tracheal collapse after thyroid operation. Nyst EH, et al. Arch Chir Neerl 22:233-41, 1970
Total thyroidectomy. Rationale, technique, and morbidity. Shanon E. Arch Surg 103:339-41, Sep 71
Definition of total thyroidectomy. Arch Surg 103:338, Sep 71
Use and abuse of thyroidectomy. Br Med J 1:619-20, 20 Mar 71
Effect of thyroparathyroidectomy and parathyroid hormone on urinary excretion of calcium and phosphate in the golden hamster. Bidduiph DM, et al. Endocrinology 87:1346-50, Dec 70
Effect of thyroidectomy and aminoglutethimide on adrenal function in rats. Gaunt R, et al. Endocrinology 87:1068-90, Nov 70
Effects of thyroparathyroidectomy on renal hemodynamics in the dog. Kaufman CE Jr, et al. Endocrinology 89:909-11, Sep 71
Measurement of TSH in plasma and pituitary of the rat by a radioimmunoassay utilizing bovine TSH: effect of thyroidectomy or thyroxine administration on plasma TSH levels. Reichlin S, et al. Endocrinology 87:1022-31, Nov 70
Effects of thyroidectomy, neomercazole and thyroxine treatment on the hypothalamo-hypophysial neurosecretory system of Bufo andersonii Boulenger. Dixit VP, et al. Folia Biol (Krakow) 19:79-88, 1971
Effect of thyroidectomy and administration of thyroxine on ovulation and spawning in vivo, in vitro and in transplantation in the skipper frog, Rana cyanophlyctis (Schn). Sarkar HB, et al. Gen Comp Endocrinol 16:594-8, Jun 71
Thyroid ablation in young mice--a technique combining surgery and iodine-131. Marks SC, et al. Int J Appl Radiat Isot 22:263-7, Apr 71
Parathyroidectomy and the induction of thymic atrophy in normal, adrenalectomized and orchidectomized rats. Perris AD, et al. J Cell Physiol 76:141-9, Oct 70
Complications of thyroid surgery American University of Beirut Medical Center 1960-1970. Abraham E, et al. J Med Liban 23:553-61, 1970
Thyroid surgery at Hubbard Hospital, 1946-1969. Blake WO. J Natl Med Assoc 62:450-2, Nov 70
The effects of cortisol on the carbohydrate metabolism of hypophysectomized and of thyroidectomized calves. Comline RS, et al. J Physiol (Lond) 208:33P-35P, May 70
Serum-thyrotropin levels after subtotal thyroidectomy for Graves' disease. Hedley AJ, et al. Lancet 1:455-8, 6 Mar 71
Mechanism of hypocalcaemia after thyroidectomy for thyrotoxicosis. Michie W, et al. Lancet 1:508-14, 13 Mar 71
Mechanism of hypocalcemia after thyroidectomy for thyrotoxicosis. Wills MR. Lancet 1:797-8, 17 Apr 71
The incidence of hypoparathyroid tetany after thyroid operations. Relationship to age, extent of resection and surgical experience. Parfitt AM. Med J Aust 1:1103-7, 22 May 71
Prevention of hypercholesterolaemia in thyroidectomized rats by growth hormone. Byers SO, et al. Nature (Lond) 228:464-5, 31 Oct 70
Effects of endogenous thyrocalcitonin and vitamin D3 on milk yield in parathyroidectomized and thyroparathyroidectomized rats. Baksi SN, et al. Proc Soc Exp Biol Med 137:215-8, May 71
[Remarks apropos of muscular disorders of Graves-Basedow's disease: their surgical importance] Welti H. Ann Endocrinol (Paris) 32:170-1, Jan-Feb 71 (Fre)
[Short and long-term treatment of hyperthyroidism] Ermans AM. Bull Soc Sci Med Grand Duche Luxemb 107:315-9, Oct 70 (Fre)
[Regulation of the synthesis of subcellular proteins in the normal and thyroidectomized rat] Baudry M, et al. C R Acad Sci [D] (Paris) 272:759-61, 1 Feb 71 (Fre)
[Effects of radiothyroidectomy and to thyroid hormone injections on the beginning of hibernation of the European hamster (Cricetus cricetus)] Canguilhem B. C R Soc Biol (Paris) 164:1366-9, 1970 (Fre)
[Plea for complete dissection of the recurrent nerve in total thyroid lobectomy] Biondeau P, et al. Chirurgie 97:446-58, May-Jun 71 (Fre)
[Effect of thyroidectomy on the inotropic activity of adrenaline at the level of the isolated rat heart] Escousse A, et al. J Physiol (Paris) 1:Suppl 1:124, 1969 (Fre)
[Radioactive iodine and thyroid surgery] Soustelle J, et al. Lyon Chir 67:72-5, Jan-Feb 71 (Fre)
[Ependyma and plexus epithelium following thyroidectomy in rats. Regulation of water conservation in the brain] Gruss P, et al. Endokrinologie 58:1-5, 1971 (Ger)
[Animal experiments on the induction of pyelonephritis in thyroidectomized rats] Gudowski G, et al. Paediatr Grenzgeb 9:37-45, 1970 (Ger)
[Goiter surgery] Kremer K, et al. Zentralbl Chir 96:356-65, 13 Mar 71 (Ger)
[Thyroidectomy as an emergency] Kott I, et al. Harefuah 79:75-8, 15 Jul 70 (Heb)
[The action of prolactin on thyroidectomized larvae of Bufo bufo] Campantico E, et al. Boll Soc Ital Biol Sper 47:133-6, 15 Mar 71 (Ita)
[Cervical plexus block in surgery of the thyroid gland] Aimale F, et al. Minerva Anestesiol 36:717-9, Nov 70 (Ita)
[Research of an anatomo-surgical nature of thyroid and parathyroid collateral circulation and on its importance in thyroidectomy] Umidon M, et al. Minerva Chir 22:831-43, 15 Aug 67 (Ita)
[Studies of iodine metabolism after total and subtotal strumectomy] Costa A, et al. Minerva Med 61:5918-22, 22 Dec 70 (Ita)
[The beta-blocking drugs in hyperthyroidism. 3. Effects on the post-thyroidectomy course and on the thyrotoxic crisis] Giardina F, et al. Minerva Med 62:1383-92, 31 Mar 71 (Ita)
[Thyroid psychobiology and conditioning] Cavalca GG, et al. Riv Sper Freniatr 95:341-51, 30 Apr 71 (Ita)
[Symposium--drug metabolism and drug action. 6. Duration of sleep induced by hexobarbital following thyroidectomy hexobarbital metabolism] Tochino Y, et al. Folia Pharmacol Jap 66:85-6, 20 Jul 70 (Jap)
[The calcitonin-parathyroid hormone system after partial resection of the thyroid gland] Gasińska T. Endokrynol Pol 22:123-31, 1971 (Pol)
[Behavior of serum glycoproteins following thyroidectomy and effect of phenylbutazone derivatives] Napiórkowska W, et al. Endokrynol Pol 22:139-48, 1971 (Pol)
[Evaluation of the respiratory ventilation reserve in bilateral paralysis of the vocal cords following thyroid surgery] Tiuchowski W, et al. Otolaryngol Pol 24:575-81, 1970 (Pol)
[Behavior of total and ionized serum calcium levels in patients following thyroidectomy] Araszkiewicz Z, et al. Pol Arch Med Wewn 46:535-41, May 71 (Pol)
[Autotransfusion as a method of supplying blood to patients undergoing surgery] Zagórski W, et al. Pol Tyg Lek 26:89-92, 18 Jan 71 (Pol)
[Effect of total and subtotal thyroidectomy on the growth of transplanted multiform glioblastoma of rat cerebellum] Spryshkova NA. Biull Eksp Biol Med 69:95-7, Mar 70 (Rus)
[Sulfhydryl activity of blood serum in patients prior to and after strumectomy] Beleva-Staikova R. Folia Med (Plovdiv) 12:108-11, 1970 (Rus)
[Dependence of liver blood flow on changes in minute and stroke volume in persons undergoing surgery for goiter] Sapunov IE. Klin Khir 9:42-6, Sep 69 (Rus)
[Excretion of estrogenic hormones in patients with thyreotoxic goiter before and after surgical treatment] Skripnichenko DF, et al. Klin Khir 6:30-3, Jun 70 (Rus)
[Volume of surgical intervention in papillary tumors of the thyroid gland] Valdina EA. Sov Med 33:62-7, 1970 (Rus)
[Clinico-morphologic comparisons in 2-stage strumectomy in patients with acute toxic goiter] Gracheva KP, et al. Vestn Khir 105:21-3, Dec 70 (Rus)
[Surgical method in goiter] Udod VM. Vestn Khir 103:58-61, Aug 69 (Rus)
[The effect of thyroidectomy on the resistance of adult rats to Escherichia coli endotoxin and staphylococcal exotoxin] Belokryiov GA. Zh Mikrobiol Epidemiol Immunobiol 47:72-4, Aug 70 (Rus)
[On the thyrotropic tumor of the pituitary gland] Costero I, et al. Gac Med Mex 101:555-90, May 71 (Spa)
[Current status of surgery of tumors of the thyroid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

gland] Artigas Riera V.
Prensa Med Argent 57:1415-20, 18 Sep 70 (Spa)

ADVERSE EFFECTS

Post-thyroidectomy laryngeal edema. A survey of fifty-four cases. Martis C, et al.
Am J Surg 122:58-60, Jul 71
Use and abuse of thyroidectomy. Michie W, et al.
Br Med J 2:402, 15 May 71
Myxedema masked by hypoparathyroidism following subtotal thyroidectomy. Kahn CB, et al.
Calif Med 113:74-7, Nov 70
Recurrent thyrotoxicosis after subtotal thyroidectomy. Hedley AJ, et al.
J Endocrinol 48:57-8, Dec 70
Complications of total thyroidectomy for carcinoma. Thompson NW, et al.
Surg Gynecol Obstet 131:861-8, Nov 70
[Treatment of several cases of bilateral paralysis of abduction of the vocal cords] Leroux-Robert J.
Acta Otorhinolaryngol Belg 23:555-63, 1969 (Fre)
[Ependyma and plexus epithelium following thyroidectomy in rats. Regulation of water balance in the brain] Gruss P, et al.
Endokrinologie 58:1-15, 1971 (Ger)
[Nil nocere Damage to the recurrent laryngeal nerve during thyroid surgery. Findings, criteria, indications on the basis of the results of 1596 surgical patients] Ruëff FL, et al.
Munch Med Wochenschr 112:437-43, 6 Mar 70 (Ger)
[The iatrogenic dangers of strumectomy with special reference to their ophthalmological relations] Márton D von.
Ophthalmologica 162:111-4, 1971 (Ger)
[Recurrent nerve injury in strumectomy] Rusanova NI.
Vestn Khir 102:26-32, May 69 (Rus)
[Rare complication after strumectomy] Sychugova ON.
Vestn Khir 105:137, Nov 70 (Rus)
[Changes in reproductive functions in animals, thyroidectomized in immature and mature age] Makarenko MV.
Fiziol Zh 14:499-503, Jul-Aug 68 (Ukr)

HISTORY

Thyroid surgery in historical perspective. Harrison TS.
J Med Liban 23:537-51, 1970
[The letters from Jacques-Louis Reverdin and Theodore Kocher to Anton v. Eiselsberg. A study on the discovery of deficiency symptoms following total extirpation of the thyroid gland] (Eiselsberg A von), (Reverdin JL), (Kocher T), Michler M, et al.
Gesneras 27:169-84, 1970 (Ger)

VETERINARY

Response of plasma Ca to thyroidectomy and calcitonin in growing pigs. Pond WG, et al.
J Anim Sci 32:888-90, May 71

THYROIDITIS (C7)

Subacute thyroiditis. Greene JN.
Am J Med 51:97-108, Jul 71 (166 ref.)
Thyroid abscess. Hawbaker EL.
Am Surg 37:290-2, May 71
[Thyroiditis] Lindeboom GA.
Ned Tijdschr Geneeskd 115:825-7, 8 May 71 (Dut)
[Subacute granulomatous thyroiditis with Quervain's giant cells] Bastenie PA.
Brux Med 50:779-83, Nov 70 (Fre)
[Thyroiditis] Andre P.
Probl Actuels Otorhinolaryngol 241-55, 1968 (Fre)

BLOOD

Blood-thyrotrophin and serum-cholesterol in autoimmune thyroiditis. Lamberg BA, et al.
Lancet 1:1296, 19 Jun 71

CHEMICALLY INDUCED

3-methylcholanthrene-induced thyroiditis in buffalo strain rats. Reuber MD.
Arch Environ Health 21:734-9, Dec 70
Decreased incidence of thyroiditis in aged Buffalo strain rats given 3-methylcholanthrene. Reuber MD.
Pathol Microbiol (Basel) 36:223-9, 1970
[Effect of thyroglobulin on lymphocytes in vitro] Warnatz H, et al.
Z Gesamte Exp Med 152:130-42, 1970 (Ger)

COMPLICATIONS

Familial predisposition to thyroid disease in Down's syndrome: controlled immunoclinical studies. Fialkow PJ, et al.
Am J Hum Genet 23:67-86, Jan 71
Sub-acute thyroiditis complicated by chorea minor. Cohn DF, et al.
Bull Los Angeles Neurol Soc 36:58-60, Apr 71
Preclinical hypothyroidism: a risk factor for coronary heart-disease. Bastenie PA, et al.
Lancet 1:203-4, 30 Jan 71
Dextrothyroxine therapy for the disordered lipid metabolism of preclinical hypothyroidism. Calay R, et al.
Lancet 1:205-6, 30 Jan 71
Multifocal fibrosclerosis. Gleeson MH, et al.
Proc R Soc Med 63:1309-11, Dec 70
[Thymoma. Myasthenia. Auto-immune thyroiditis. Vesical papillomas. 2 clinical cases] Zoupanos G, et al.
Ann Chir Thorac Cardiovasc 10:191-6, 1971 (Fre)
[Biermer's anemia, chronic thyroiditis and polydysplasic bullous epidermolysis. Immunologic and genetic considerations] Duheille J, et al.
Ann Med Interne (Paris) 122:541-6, Apr 71 (Fre)
[A case of recurrent paralysis due to fibrous thyroiditis regressing after surgical treatment] Soustelle J, et al.
Lyon Chir 67:143-3, Mar-Apr 71 (Fre)
[Riedel's ligneous thyroiditis] Esposito S, et al.
Rass Int Clin Ter 50:575-8, 15 May 70 (Ita)
[An unusual surgical disease of the thyroid: suppurative thyroiditis] Musella S, et al.
Rass Int Clin Ter 50:1203-9, 15 Oct 70 (Ita)

DIAGNOSIS

The diagnosis of the painful thyroid. Murray IP, et al.
Med J Aust 2:1055-61, 5 Dec 70
[Diagnosis and treatment of various acute and subacute forms of thyroiditis with the aid of radioactive iodine] Ouchév I, et al.
J Radiol Electrol Med Nucl 50:143-4, Mar-Apr 69 (Fre)
[Scintigraphic findings in focal immunothyroiditis] Uthgenannt H, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:557-63, Apr 71 (Ger)
[Secondary subacute thyroiditis] Szántó L.
Z Gesamte Inn Med 24:Suppl:103-5, 1 Jan 69 (Ger)
[Radioisotopes in the diagnosis of thyroiditis] Austoni M, et al.
Acta Isot (Padova) 9:325-36, 30 Sep 69 (Ita)
[Thyroiditis. Anatomo-clinical and therapeutic aspects] Zambianchi C, et al.
Ann Ital Chir 45:695-719, 1969 (Ita)
[Scintigraphy in the diagnosis of subacute thyroiditis] Górowski T.
Endokrynol Pol 21:627-34, 1970 (Pol)

DRUG THERAPY

Suppression of thyroid lesions in rabbits by treatment with cyclophosphamide after the induction of thyroiditis. Nakamura RM, et al.
Clin Exp Immunol 7:541-50, Oct 70
Prevention of recurrence in acute thyroiditis following corticosteroid withdrawal. Vagenakis AG, et al.
J Clin Endocrinol Metab 31:705-8, Dec 70
[Subacute thyroiditis (de Quervain type)] Suzuki H.
Naika 27:1159-61, Jun 71 (Jap)
[Therapy of subacute de Quervain's thyroiditis] Kliachko VR.
Sov Med 33:139-40, Sep 70 (Rus)

ETIOLOGY

Sarcoidosis, thyroiditis, and Addison's disease. MacGregor GA.
Lancet 2:1257, 12 Dec 70
Clostridium septicum infection of the thyroid gland. Warren CP, et al.
Postgrad Med J 46:586-8, Sep 70
[Thyroiditis] Visco G.
Policlinico [Prat] 76:1409-28, 3 Nov 69 (Ita)

IMMUNOLOGY

Thyroid eosinophilia and cutaneous Arthus reaction simultaneously induced in the guinea-pig by antiserum to thyroglobulin. Käresen R.
Acta Pathol Microbiol Scand [B] 78:435-43, 1970
Immunofluorescent studies of thyroid auto-antibodies in chickens of the obese strain (OS). Wick G, et al.
Clin Exp Immunol 7:173-85, Aug 70
The effect of bursectomy, thymectomy and x-irradiation on the incidence of precipitating liver and kidney auto-antibodies in chickens of the obese strain (OS). Wick G.
Clin Exp Immunol 7:187-99, Aug 70
Isolation of hetero antibodies to human thyroglobulin. Fontana S, et al.
Folia Endocrinol (Roma) 23:17-24, Feb 70
The effect of anti-lymphocytic antibody on the development of experimental thyroiditis in rats induced by the intra-lymph node injection of rat thyroglobulin in Freund's complete adjuvant. Kalden JR, et al.
Immunology 20:269-75, Mar 71
Induction of thyroiditis in guinea-pigs by intravenous injection of rabbit anti-guinea-pig thyroglobulin serum. 3. Electron microscopic study. Käresen R.
Immunology 19:301-18, Aug 70
Cellular and humoral immune responses in experimental autoimmune thyroiditis. Ringertz B, et al.
Int Arch Allergy Appl Immunol 40:917-27, 1971
Murine thyroiditis: importance of adjuvant and mouse strain for the induction of thyroid lesions. Rose NR, et al.
J Immunol 106:696-704, Mar 71
Transfer of experimental autoimmune thyroiditis of the mouse by serum. Vladutiu AO, et al.
J Immunol 106:1139-42, Apr 71
Activity of the reticuloendothelial system (RES) in early experimental thyroiditis. Mizejewski GJ, et al.
J Reticuloendothel Soc 8:225-39, Sep 70
Blood-thyrotrophin and serum-cholesterol in autoimmune thyroiditis. Lamberg BA, et al.
Lancet 1:1296, 19 Jun 71
Comparison of experimental allergic thyroiditis and spontaneous hereditary autoimmune thyroiditis in chickens. Wick G, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:54-70, Jul 71
[Action of homologous thyroid extract on guinea pig lymph node cells in culture during and apart from experimental auto-allergic thyroiditis] Martin-Taleb C, et al.
Ann Inst Pasteur (Paris) 119:572-9, Nov 70 (Fre)
[Spontaneous autoimmune thyroiditis in chickens] Wick G.
Hautarzt 21:383-5, Aug 70 (Ger)
[Immune reactions of lymphocytes to heterologous thyroglobulin in experimental immune thyroiditis of the guinea pig] Warnatz H, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:304-12, 1970 (Ger)
[Delayed hypersensitivity in experimental autoimmune thyroiditis] Ricci M, et al.
Folia Allergol (Roma) 16:295-306, Jul-Aug 69 (Ita)
[Spontaneous recovery from diffuse toxic goiter in combined autoimmune thyroiditis] Baranov VG, et al.
Klin Med (Mosk) 48:19-25, Jul 70 (Rus)
[Role of thymus and adrenal glands in autoimmune thyroiditis in guinea pigs with adjuvant inflammation of the thyroid gland] Malizhev VO.
Fiziol Zh 16:548-52, Jul-Aug 70 (Ukr)

METABOLISM

Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al.
Acta Endocrinol (Kbh) 66:162-8, Jan 71
[Iodine metabolism in chronic thyroiditis. 1. Studies on relationship between histological picture and iodine metabolism in chronic thyroiditis] Morita R.
Folia Endocrinol Jap 46:1028-40, 20 Dec 70 (Jap)
[Iodine metabolism in chronic thyroiditis. 2. Studies on the iodinated albumin-like proteins in the serum and the thyroid tissue in chronic thyroiditis] Morita R.
Folia Endocrinol Jap 46:1097-108, 20 Jan 71 (Jap)

OCCURRENCE

[Frequency of chronic thyroiditis and its relation to hypothyreosis] Böhm W, et al.
Verh Dtsch Ges Inn Med 75:761-4, 1969 (Ger)

PATHOLOGY

Experimental allergic thyroiditis in the guinea-pig. A light, fluorescence and electron microscopic study, with particular reference to the migration of lymphocytes through the vessel walls. Käresen R.
Acta Pathol Microbiol Scand [A] 78:625-48, 1970
Stimulation of common endothelium during autoimmune induction in the mouse. Mizejewski GJ, et al.
Clin Exp Immunol 9:123-37, Jul 71
[De Quervain's subacute thyroiditis: ultrastructural study of one case] Nève P.
Ann Endocrinol (Paris) 31:1203-8, Nov-Dec 70 (Fre)
[Iodine metabolism in chronic thyroiditis. 1. Studies on relationship between histological picture and iodine metabolism in chronic thyroiditis] Morita R.
Folia Endocrinol Jap 46:1028-40, 20 Dec 70 (Jap)

PREVENTION & CONTROL

Suppression of spontaneous autoimmune thyroiditis in obese strain (OS) chickens with anti-bursa and anti-thymus sera. Wick G, et al.
Int Arch Allergy Appl Immunol 40:603-12, 1971
The prevention of autoimmunity to the thyroid and allergic thyroiditis bantigenic competition. McMaster PR, et al.
J Immunol 105:1201-5, Nov 70
Cyclosphosphamide inhibition of experimental allergic thyroiditis and thyroid antibody production in rats. Paterson PY, et al.
J Immunol 106:570-2, Feb 71

SURGERY

[Goiter surgery] Kremer K, et al.
Zentralbl Chir 96:356-65, 13 Mar 71 (Ger)
[Amyloid goiter] Karapetian NV, et al.
Vestn Khir 105:115-6, Aug 70 (Rus)

VETERINARY

Virological investigations of chickens with spontaneous autoimmune thyroiditis. I. Isolation and transmission studies. Flanagan TD, et al.
Avian Dis 14:613-6, Nov 70
Virological investigations of chickens with spontaneous autoimmune thyroiditis. II. Examination of tissues by electron microscopy. Zeigel RF, et al.
Avian Dis 14:617-9, Nov 70

THYROIDITIS, LYMPHOMATOUS (C7)

[Struma lymphomatosa or Hashimoto's thyroiditis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(anatomo-pathological and clinical profile of the disease and etiopathogenetic considerations)]
Maghetti F.
Acta Chir Ital 26:1-48, Jan-Feb 70 (142 ref.) (Ita)
[Hashimoto's disease] Suzuki H.
Naika 27:433-5, Mar 71 (Jap)
[A case of Hashimoto's thyroiditis with autoimmune hemolytic anemia] Swiderska T, et al.
Pol Arch Med Wewn 46:371-6, 1971 (Pol)
[Hashimoto's disease] Redelbach J.
Poznan Tow Przyj Nauk Wydz Lek 38:209-27, Apr 68 (Pol)

BLOOD

[Study of the relationship between Basedow's disease and Hashimoto thyroiditis] Földes J, et al.
Orv Hetil 112:968-71, 25 Apr 71 (Hun)

COMPLICATIONS

Enhanced susceptibility to iodide myxedema in patients with Hashimoto's disease. Braverman LE, et al. J Clin Endocrinol Metab 32:515-21, Apr 71
Myxoedematous ascites. Clancy RL, et al.
Med J Aust 2:415-6, 29 Aug 70
[Association of chondrocalcinosis and thyroid insufficiency due to Hashimoto's disease] Sebaoun J, et al. Ann Med Interne (Paris) 122:645-50, May 71 (Fre)
[Toxic adenoma and Hashimoto's thyroiditis] Berthezene F, et al.
Presse Med 79:403-5, 20 Feb 71 (Fre)
[Case of autoimmune hemolytic anemia and Hashimoto's thyroiditis] Fagiolo E, et al.
Policlinico [Prat] 76:1455-9, 10 Nov 69 (Ita)
[Case of myasthenia gravis associated with Hashimoto's disease; with special reference to the mechanism of autoimmune disease] Igata A, et al.
Adv Neurol Sci (Tokyo) 14:471-5, 1970 (Jap)
[Case of Turner's syndrome with juvenile Hashimoto's disease] Saito S, et al. Naika 26:783-6, Oct 70 (Jap)
[Case of adrenal pheochromocytoma associated with Hashimoto's thyroiditis] Shoji S, et al.
Naika 26:1165-8, Dec 70 (Jap)

DIAGNOSIS

Lymphocytic thyroiditis. Postgrad Med 49:235-7, May 71
Pathological dilemmas in the operative recognition of chronic thyroiditis. Harrison TS, et al.
Surg Clin North Am 50:1067-73, Oct 70
[Further studies on dermatoglyphics in Hashimoto's disease] Weninger M, et al.
Humangenetik 12:156-61, 1971 (Ger)
[Radioisotopes in the diagnosis of thyroiditis] Austoni M, et al. Acta Isot (Padova) 9:325-36, 30 Sep 69 (Ita)
[Diagnosis of Hashimoto's disease by multiple biopsy] Inagaki H.
Folia Endocrinol Jap 47:42-50, 20 Apr 71 (Jap)

FAMILIAL & GENETIC

Family group with auto-immune thyroid disease. Parisier H, et al.
J Clin Endocrinol Metab 32:680-3, May 71

IMMUNOLOGY

Isoelectric focusing of IGG containing LATS, thyroglobulin antibodies and thyroid microsomal antibodies. Adlkofer F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:15, 1971
Human thyroglobulin and thyroid extract as specific stimulators of sensitized lymphocytes. Ehrenfeld EN, et al. J Clin Endocrinol Metab 32:115-6, Jan 71
The association of juvenile diabetes mellitus, chronic lymphocytic thyroiditis, and antithyroid antibodies. Hung W, et al. Med Ann DC 39:487-9, Sep 70
Gastrointestinal findings in autoimmune thyroiditis and non-goitrous juvenile hypothyroidism in children. Kuitunen P, et al. Scand J Gastroenterol 6:336-41, 1971
[Relation between Basedow's disease and Hashimoto thyroiditis] Földes J, et al.
Endokrinologie 57:329-37, 1971 (Ger)
[Thyroiditis] Visco G.
Policlinico [Prat] 76:1409-28, 3 Nov 69 (Ita)
[Autoimmune diseases and inflammation] Suzuki H.
J Jap Med Assoc 65:911-25, 1 Apr 71 (Jap)
[Hashimoto's lymphocytic thyroiditis in children] Rybakowa M, et al.
Pediatr Pol 45:1099-103, Sep 70 (Pol)

METABOLISM

Thyroidal pertechnetate uptake in Hashimoto's disease. Hauser W, et al.
Am J Roentgenol Radium Ther Nucl Med 112:720-5, Aug 71
[Chromatographic study of iodized organic thyroid compounds in experimental immunological thyroiditis] Pagliaini R, et al.
Arch E Maragliano Patol Clin 26:75-83, Mar-Apr 70 (Ita)

PATHOLOGY

Extreme squamous metaplasia in Hashimoto's thyroiditis. Dube VE, et al. Cancer 27:434-7, Feb 71
[Contents of thyreotropic hormone and cellular morphology of the anterior lobe of the hypophysis in asymptomatic thyroiditis. Preliminary notice] Bonnyns M, et al.
Ann Endocrinol (Paris) 32:193-8, Jan-Feb 71 (Fre)
[Ultrastructural aspects in experimental immunological thyroiditis (with reference also to the behavior of hormone secretion after a single thyrotropin stimulation)] Pende G, et al.
Folia Endocrinol (Roma) 23:466-95, Aug 70 (Fre)

VETERINARY

Recent advances in avian endocrinology. 2. Inherited autoimmune thyroiditis in the fowl. Cole RK, et al.
Poult Sci 49:839-48, Jul 70 (10 ref.)

THYRONINE (D8)

Thyroxine-protein interactions. VII. Effect of thyroxine analogs on the binding of 125-I-thyroxine to highly purified human thyroxine-binding globulin. Hao YL, et al. Endocrinology 88:81-92, Jan 71
A molecular orbital study of 3,3',5-trihalothyronine analogs. Kier LB, et al. J Med Chem 13:1182-4, Nov 70

METABOLISM

Alterations in thyroid hormone economy during acute infection with Diplococcus pneumoniae in the rhesus monkey. Woeber KA. J Clin Invest 50:378-87, Feb 71
[An in-vitro test of thyroid function. Erythrocyte uptake of thyronine labeled with iodine 131] Crema GL, et al. Minerva Radiol 15:30-5, Jan-Feb 70 (Ita)

RADIATION EFFECTS

Chemical consequences of the Auger effect: Iodine yeild from iodoamino acids as a function of x-ray dose and energy. Diefallah el-HM, et al.
Radiat Res 44:273-81, Nov 70

THYROTOXICOSIS see HYPERTHYROIDISM (C7)

THYROTROPIN (D8)

Thyroid stimulators and thyroid stimulation. Burke G.
Acta Endocrinol (Kbh) 66:558-76, Mar 71
Soluble complexes of radioiodine-labeled human and bovine thyroptropins with their antisera. Valenta L, et al. Immunochemistry 8:121-7, Jan 71
The primary structure of bovine thyrotropin. II. The amino acid sequences of the reduced, S-carboxymethyl alpha and beta chains. Liao TH, et al.
J Biol Chem 246:850-65, 25 Feb 71
Comparisons between the alpha chain of bovine thyrotropin and the CI chain of luteinizing hormone. Compositions of tryptic peptides, cyanogen bromide fragments, and carbohydrate moieties. Pierce JG, et al. J Biol Chem 246:866-72, 25 Feb 71
Biologically active hormones prepared by recombination of the alpha chain of human chorionic gonadotropin and the hormone-specific chain of bovine thyrotropin or of bovine luteinizing hormone. Pierce JG, et al. J Biol Chem 246:2321-4, 10 Apr 71
The primary structure of bovine thyrotropin. I. Isolation and partial sequences of cyanogen bromide and tryptic peptides. Shome B, et al.
J Biol Chem 246:833-49, 25 Feb 71
Development of thyrotrophic pituitary tumours in mice with hypothalamic lesions. Moll J.
J Endocrinol 48:lvi-lvii, Dec 70
[Thyrostimulating factor with prolonged action (LATS) and pathogenesis of Basedow's disease] Policlinico [Prat] 77:886-90, 6 Jul 70 (Ita)
[Biological determination of thyrotropic hormone] Chojecka H, et al. Acta Pol Pharm 28:75-9, 1971 (Pol)
[Effect of gonadal inflammation on the reactivity of the thyroid gland to thyrotropic hormone] Aleshin BV, et al. Probl Endokrinol (Mosk) 16:80-8, Jul-Aug 70 (Rus)

ADMINISTRATION & DOSAGE

Effects of hypophysectomy and hormone substitution on packed-cell volume in chickens. Farrington AJ, et al. Poult Sci 50:649-51, Mar 71

ANALYSIS

Immunohistochemical study of human pituitaries with an anti-thyrotrophin (anti-TSH) serum. Robyn C, et al.
Acta Endocrinol [Suppl] (Kbh) 155:14, 1971
The thyrotropic cell of the rat hypophysis as studied with peroxidase-labeled antibody. Baker BL, et al.
Am J Anat 131:55-71, May 71
Origin of the multiple components of whale thyroid-stimulating hormone. Tamura H, et al.
Biochim Biophys Acta 214:586-8, 29 Sep 70
Measurement of TSH in plasma and pituitary of the rat by a radioimmunoassay utilizing bovine TSH: effect of thyroidectomy or thyroxine administration on plasma TSH levels. Reichlin S, et al.
Endocrinology 87:1022-31, Nov 70
Presence and distribution of gonadotropin and thyrotropin in the pars distalis of the lizard Anolis carolinensis. Licht P, et al.
Gen Comp Endocrinol 13:439-54, Dec 69
Thyrotropin in human fetal pituitaries. Fukuchi M, et al. J Clin Endocrinol Metab 31:585-9, Nov 70
Placental content and characterization of human chorionic thyrotropin. Hershman JM, et al.
J Clin Endocrinol Metab 32:52-8, Jan 71
Comments on a proposed new way of measuring thyrotropin (TSH) reserve. Mornex R, et al.
J Clin Endocrinol Metab 31:587-9, Nov 70
Classic bioassay statistical procedures applied to radioimmunoassay of bovine thyrotropin, growth hormone and prolactin. Vivian SR, et al.
J Clin Endocrinol Metab 33:225-33, Aug 71
The influence of methallibure (ICI 33,828) on serum and pituitary thyroid-stimulating hormone levels in the rat. Bourke JR, et al. J Endocrinol 49:569-72, Apr 71
Differences between thyroid stimulator in hydatidiform mole and human chorionic thyrotropin. Hershman JM, et al. Metabolism 19:735-44, Oct 70
Hypothalamic control of pituitary thyrotrophic hormone, of cows and buffaloes during the estrous cycle. Soliman FA, et al.
Zentralbl Veterinaermed [A] 18:124-30, Mar 71
[Contents of thyreotropic hormone and cellular morphology of the anterior lobe of the hypophysis in asymptomatic thyroiditis. Preliminary notice] Bonnyns M, et al.
Ann Endocrinol (Paris) 32:193-8, Jan-Feb 71 (Fre)
[Immunocytology and histochemistry of hypophyseal gonadotropic and thyreotropic cells in the carp Cyprinus carpio] Billard R, et al.
C R Acad Sci [D] (Paris) 272:981-3, 15 Feb 71 (Fre)

ANTAGONISTS & INHIBITORS

Interactions of adrenergic blocking drugs with the in vivo release of thyroid hormone induced by thyrotrophin and the long-acting thyroid stimulator. Melander A. Acta Endocrinol (Kbh) 66:151-61, Jan 71
KI and imidazole inhibition of TSH and c-AMP induced thyroidal iodine secretion. Pisarev MA, et al.
Endocrinology 88:1217-21, May 71
Thyroid secretion in vitro: inhibition of TSH and dibutyryl cyclic-AMP stimulated 131-I release by Li+1. Williams JA, et al.
Endocrinology 88:1385-8, Jun 71
Possible role of microtubules in thyroid secretion. Williams JA, et al.
Proc Natl Acad Sci USA 67:1901-8, Dec 70

BIOSYNTHESIS

TSH-release and TSH-resynthesis induced by TSH-RF and some analogs. Steiner H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:5, 1971
Stimulation of 14-C-glucosamine and 14-C-alanine incorporation into thyrotropin by synthetic thyrotropin-releasing hormone. Wilber JF.
Endocrinology 89:873-7, Sep 71
Hyperthyroidism due to thyrotropin-producing pituitary chromophobe adenoma. Hamilton CR Jr, et al. N Engl J Med 283:1077-80, 12 Nov 70
[Biosynthesis and purification of tritiated thyreostimulin] Jacquemin C, et al.
Bull Soc Chim Biol (Paris) 52:319-31, 17 Apr 70 (Fre)
[Biosynthesis and purification of rat tritiated thyrotropic hormone. Its distribution in rats after intravenous injection] Fontaine YA.
J Physiol (Paris) 62:489-504, Nov-Dec 70 (Fre)
[Pituitary reserve of thyrotropin in a group of patients with endemic goiter] Bolii IL, et al.
Stud Cercet Endocrinol 21:433-8, 1970 (Rum)

BLOOD

Effects of synthetic pyroglutamyl-histidyl-proline-amide on serum levels of thyrotrophin, cortisol, growth hormone, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Kariberg B, et al.
Acta Endocrinol (Kbh) 67:288-302, Jun 71
Hormone levels in diabetic and non-diabetic pregnancy. Büber V, et al.
Acta Endocrinol [Suppl] (Kbh) 155:185, 1971
Alterations of maternal and fetal serum concentrations of HCG, HPL, STH and TSH after delivery. Geiger W.
Acta Endocrinol [Suppl] (Kbh) 152:39, 1971
Effects of synthetic TRH on serum levels of HTSH, cortisol, STH, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Kariberg B, et al.
Acta Endocrinol [Suppl] (Kbh) 155:7, 1971
The effect of synthetic TRF on serum levels of TSH, total thyroxine and glucose in normal persons. Köbberling J, et al.
Acta Endocrinol [Suppl] (Kbh) 155:1, 1971
Thyrotrophin releasing factor (TRF) in the diagnosis of thyroid disorders: its application in different states of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Graves' disease. Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 155:6, 1971
Insulin dependent diabetes mellitus and HGH, TSH in serum following thyrotrophin releasing factor (TRF). Raptis S, et al.
Acta Endocrinol [Suppl] (Kbh) 155:182, 1971
Thyrotrophin (TSH), human growth hormone (HGH) in hypothyroid patients and patients with endocrine ophthalmopathy after TRF injection. Rothenbuchner G, et al. Acta Endocrinol [Suppl] (Kbh) 155:2, 1971
Dose-dependent increasing effects of (pyro)glu-his-pro(NH 2) on TSH-activity in McKenzie assay under decreasing thyroxine-blockade. Schemmel K, et al.
Acta Endocrinol [Suppl] (Kbh) 155:4, 1971
TSH-release and TSH-resynthesis induced by TSH-RF and some analogs. Steiner H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:5, 1971
Investigations of the effect of thyrotrophin-releasing hormone in euthyroid persons as well as in patients with thyroid dysfunction. Wagner H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:3, 1971
Serum total and free thyroxine and thyrotropin in normal and pregnant women, neonates, and women receiving progestogens. Malkasian GD, et al.
Am J Obstet Gynecol 108:1234-8, 15 Dec 70
Plasma thyroxine and thyroid-stimulating hormone levels during submaximal exercise in humans. Terjung RL, et al. Am J Physiol 220:1840-5, Jun 71
Utility of the radioimmunoassay of serum thyrotrophin in man. Hershman JM, et al.
Ann Intern Med 74:481-90, Apr 71
Radioimmunoassay for human thyrotrophin. Clinical value in patients with normal and abnormal thyroid function. Mayberry WE, et al.
Ann Intern Med 74:471-80, Apr 71
Thyrotrophin radioimmunoassay: another test of thyroid function. Utiger RD.
Ann Intern Med 74:627-9, Apr 71
A bioassay for thyroid stimulating hormone. Hutton WN, et al. Br J Radiol 43:828-9, Nov 70
Radioimmunoassay of human serum thyrotrophin. Hall R, et al. Br Med J 1:582-5, 13 Mar 71
Bioassay of thyroid stimulating hormone using the *f* goldfish. Hutton WN, et al. Br Med J 4:721-3, 19 Dec 70
Further observations on the effect of synthetic thyrotropin-releasing hormone in man. Ormston BJ, et al. Br Med J 2:199-202, 24 Apr 71
Effects of synthetic thyrotropin-releasing hormone on plasma thyrotropin, growth hormone and insulin levels in man. Saito S, et al.
Endocrinol Jap 17:101-8, Feb 71
On the mechanism of the McKenzie bioassay. Florsheim WH, et al. Endocrinology 87:881-8, Nov 70
Measurement of TSH in plasma and pituitary of the rat by a radioimmunoassay utilizing bovine TSH: effect of thyroidectomy or thyroxine administration on plasma TSH levels. Reichlin S, et al.
Endocrinology 87:1022-31, Nov 70
Effect of synthetic "thyrotropin-releasing factor" on plasma levels of thyrotropin and growth hormone in healthy subjects and patients with hyperthyroidism or primary hypothyroidism. Mühlen A von zur, et al.
Ger Med Mon 1:1-2, Spring 71
Acute effects of cold on blood levels of growth hormone, cortisol, and thyrotropin in man. Golstein-Golaire J, et al.
J Appl Physiol 29:622-6, Nov 70
Relationship between the serum thyrotropin level, the prevalence of goiter and the pattern of iodine metabolism in Idjwi Island. Delange F, et al.
J Clin Endocrinol Metab 33:281-8, Aug 71
Alterations in serum thyrotropin (TSH) and thyroid function following radiotherapy in patients with malignant lymphoma. Glatstein E, et al.
J Clin Endocrinol Metab 32:833-41, Jun 71
Radioimmunoassay for thyrotropin (TSH) in serum from baboons. Odell WD, et al.
J Clin Endocrinol Metab 31:700-1, Dec 70
Endemic goiter in the Cauca Valley. 3. Role of serum TSH in goitrogenesis. Wahner HW, et al.
J Clin Endocrinol Metab 32:491-6, Apr 71
The influence of methallibure (ICI 33,828) on serum and pituitary thyroid-stimulating hormone levels in the rat. Bourke JR, et al. J Endocrinol 49:569-72, Apr 71
Synthetic thyrotrophin-releasing hormone in man. Ormston BJ, et al. J Endocrinol 49:x-xi, Mar 71
A radioimmunoassay for human thyrotropin. Vigneri R, et al. J Nucl Biol Med 13:151-9, Oct-Dec 69
Plasma thyrotrophin levels during pregnancy. Genazzani AR, et al.
J Obstet Gynaecol Br Commonw 78:117-22, Feb 71
Thyrotrophin and the T3-T4 ratio. Elewaut A, et al.
Lancet 1:1237, 12 Jun 71
Serum-thyrotropin levels after subtotal thyroidectomy for Graves' disease. Hedley AJ, et al.
Lancet 1:455-8, 6 Mar 71
Blood-thyrotrophin and serum-cholesterol in autoimmune thyroiditis. Lamberg BA, et al.
Lancet 1:1296, 19 Jun 71
Failure of pituitary response to thyrotrophin-releasing hormone in euthyroid Graves' disease. Lawton NF, et al. Lancet 2:14-6, 3 Jul 71
Differences between thyroid stimulator in hydatidiform mole and human chorionic thyrotropin. Hershman JM, et al. Metabolism 19:735-44, Oct 70
Suppression of thyrotropin (h-TSH) in serums of patients with myxedema of varying etiology treated with thyroid hormones. Cotton GE, et al.
N Engl J Med 285:529-33, 2 Sep 71
Dyshormonogenetic goitre with high circulating levels of thyroid-stimulating hormone. Harvey RF.
Proc R Soc Med 64:299-300, Mar 71
A new bioassay for thyroid-stimulating hormone. Hutton WN, et al. Proc R Soc Med 64:504, May 71
[Hypophyseal reactivity to stimulation by synthetic TRH in human] Beckers C, et al.
Ann Endocrinol (Paris) 32:214-7, Jan-Feb 71 (Fre)
[Results of radioimmunological determination of plasmatic pituitary thyreostimuline (T.S.H.) in normal children and in congenital hypothyroidism] Binet E, et al. Arch Fr Pediatr 28:179-90, Feb 71 (Fre)
[TSH and the "long-acting thyroid stimulator" (LATS) in patients with compensated hyperthyroidism] Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 152:86, 1971 (Ger)
[Investigations concerning the effect of synthetic "thyrotropin releasing factor" (TRF) in patients with thyroid gland function disorders and in healthy controls] Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 152:76, 1971 (Ger)
[Preliminary results concerning the application of synthetic thyrotropin releasing hormone (TRH) in man] Retiene K, et al.
Acta Endocrinol [Suppl] (Kbh) 152:78, 1971 (Ger)
[H-TSH, thyroxine, HGH, insulin and glucose in the blood after administration of synthetic thyrotropin releasing hormone] Wagner H, et al.
Acta Endocrinol [Suppl] (Kbh) 152:80, 1971 (Ger)
[Effect of synthetic "thyreotropin releasing factor" on the plasma levels of thyreotropic hormone and growth hormone in healthy subjects, in patients with hyperthyreosis and primary hypothyreosis] Mühlen A von zur, et al.
Dtsch Med Wochenschr 95:2623-4, 25 Dec 70 (Ger)
[Simultaneous determination of thyrotropic hormone and long-acting thyroid stimulator in the plasma of patients with Graves' disease] Földes J, et al.
Klin Wochenschr 49:554-7, 1 May 71 (Ger)
[Simultaneous determination of thyreotropic hormone and long-acting thyroid stimulator in the plasma of Basedow patients] Földes J, et al.
Orv Hetil 111:3067-70, 27 Dec 70 (Hun)
[Effect of ether, thiopental anesthesia and surgical stress on plasma TSH] Matsuki A, et al.
Jap J Anesthesiol 20:632-8, Jul 71 (Jap)
[TSH--how to read its figures] Kumahara Y, et al.
Jap J Clin Med 29:Suppl:496-501, Jan 71 (39 ref.) (Jap)
[Electrocapillary properties of blood in experimental hyperthyrotropinemia] Bichoński R, et al.
Przegl Lek 26:730-1, 30 Sep 70 (Pol)
[Changes in the chemistry of the striated muscle in experimental hyperthyreotropinemia and hyperthyroxinemia] Wajdowicz A.
Przegl Lek 24:667-8, 1968 (Pol)

DIAGNOSTIC USE

Effect of thyrotrophin on the thyroxine-binding capacity of plasma proteins. Bános C, et al.
Endokrinologie 57:395-9, 1971
[The thyrotropin stimulation test. II. Control by determination of stable protein iodemia (PBI 127)] Guinet P, et al.
Ann Endocrinol (Paris) 29:342-5, May-Jun 68 (Fre)
[The thyrotropin stimulation test. I. Control by measurement of iodine 132 fixation in the thyroid gland] Guinet P, et al.
Ann Endocrinol (Paris) 29:338-41, May-Jun 68 (Fre)
[Effects of TSH on some secretory thyroid nodules] Vague J, et al.
Ann Endocrinol (Paris) 31:666-80, Jul-Aug 70 (Fre)

ISOLATION & PURIFICATION

[Biosynthesis and purification of tritiated thyreostimulin] Jacquemin C, et al.
Bull Soc Chim Biol (Paris) 52:319-31, 17 Apr 70 (Fre)

METABOLISM

TSH production rate in nontoxic goiter. Beckers C, et al. J Clin Endocrinol Metab 32:853-4, Jun 71
Changes in the thyroid stimulating hormone content of the pituitary gland of female rats during the oestrous cycle and in pregnancy. Newcomer WS, et al.
J Endocrinol 50:699-700, Aug 71
Maternal-fetal endocrine interrelations: demonstration of TSH release from the fetal hypophysis in pregnant rats administered synthetic TRH. D'Angelo SA, et al.
Proc Soc Exp Biol Med 137:175-8, May 71
[Distribution of radioactivity in the rat fetus after injection of a preparation of tritiated thyreotropic hormone] Fontaine YA, et al.
C R Soc Biol (Paris) 164:1943-6, 1970 (Fre)
[Symposium 2. Endocrine function in the fetus. 2. Thyrotropin in the human fetus] Fukuchi M, et al.
Folia Endocrinol Jap 46:744-50, 20 Oct 70 (Jap)

PHARMACODYNAMICS

Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al.
Acta Endocrinol (Kbh) 66:162-8, Jan 71
In vitro effects of LATS and TSH on phosphodiesterase activity in human thyroid homogenates. Miyai K, et al.
Acta Endocrinol (Kbh) 67:209-15, Jun 71
Extra-thyroidal effect of thyrotrophin on serum thyroxine. Sisson JC.
Acta Endocrinol (Kbh) 65:423-34, Nov 70
Stimulation by thyrotropin, long-acting thyroid stimulator, and dibutyryl 3',5'-adenosine monophosphate of protein and ribonucleic acid synthesis and ribonucleic acid polymerase activities in porcine thyroid in vitro. Adiga PR, et al.
Biochemistry 10:702-10, 16 Feb 71
Stimulation in vitro by thyrotropin, cyclic 3',5'-AMP, dibutyryl cyicilc 3',5'-AMP and prostaglandin E1, of secretion by dog thyroid slices. Willems C, et al.
Biochim Biophys Acta 222:474-81, 24 Nov 70
The effect of bovine thyroid stimulating hormone and human chorionic somato-mammotropin on the uptake of 131-I by human hyperplastic thyroid gland in organ culture. Harbitz TB, et al.
Br J Exp Pathol 52:231-7, Jun 71
Glycogen metabolism of the thyroid. Ahn CS.
Endocrinology 88:1341-8, Jun 71
Failure of dinitrotyrosine to affect the TSH-induced acute depression of thyroidal iodide transport. Haibach H. Endocrinology 88:1277-9, May 71
Comparison of the effects of thyrotropin and the long-acting thyroid stimulator on guinea pig adipose tissue. Hart IR, et al. Endocrinology 88:26-30, Jan 71
Thyroglobulin in fractions of thyroid homogenate. Konno N, et al. Endocrinology 87:1069-74, Nov 70
Stimulation of proteolysis in the mouse thyroid gland by thyrotropin and the long-acting thyroid stimulator: comparison of intact lobe and homogenate. Konno N, et al. Endocrinology 87:1062-8, Nov 70
Mechanism of action of TSH on pyrimidine nucleotide synthesis. Lindsay RH, et al.
Endocrinology 89:492-9, Aug 71
TSH-induced appearance and stimulation of amine-containing mast cells in the mouse thyroid. Melander A, et al. Endocrinology 89:528-33, Aug 71
Prompt stimulation by TSH of thyroid oxidation of thiocyanate. Otaki S, et al.
Endocrinology 88:566-73, Mar 71
Metabolism of phospholipids, neutral lipids and carbohydrates in dispersed porcine thyroid cells: comparative effects of pituitary thyrotropin and dibutyryl-3',5'-adenosine monophosphate on the turnover of slices from pig thyroid. Scott TW, et al.
Endocrinology 87:854-63, Nov 70
Thyroid secretion in vitro: multiple actions of agents affecting secretion. Williams JA, et al.
Endocrinology 88:206-17, Jan 71
Effects in vitro of thyrotropin, cyclic 3',5'-AMP, dibutyryl cyclic 3',5'-AMP, and prostaglandin E1 on the ultrastructure of dog thyroid slices. Nève P, et al.
Exp Cell Res 63:285-92, Dec 70
Iodine metabolism in normal, hypophysectomized, and thyrotropin-treated river lampreys, Lampetra fluviatilis (Gray) L. (Cyclostomata). Larsen LO, et al.
Gen Comp Endocrinol 17:94-104, Aug 71
Bone formation by induction under the influence of growth hormone and cortisone. Koskinen EV, et al.
Isr J Med Sci 7:378-80, Mar 71
Evidence for the induction of iodide transport in bovine thyroid cells treated with thyroid-stimulating hormone or dibutyryl cyclic adenosine 3',5'-monophosphate. Knopp J, et al.
J Biol Chem 245:4403-8, 10 Sep 70
Mechanism of thyroid-stimulating hormone action. Studies with dibutyl 3',5'-adenosine monophosphate and lecithinase C. Pastan I, et al.
J Biol Chem 242:5757-61, 25 Dec 67
Abnormal hormone responses of an adrenocortical cancer adenyl cyclase. Schorr I, et al.
J Clin Invest 50:1295-300, Jun 71
The effect of hypophysectomy, and of injections of thyrotrophin and corticotrophin into hypophysectomized animals, on the sloughing cycle of the lizard, Gekko gecko L. Chiu KW, et al.
J Endocrinol 49:611-8, Apr 71
The effects of thyrotrophic hormone and of thyroxine on the response of the sebaceous glands of the rat to testosterone. Ebling FJ, et al.
J Endocrinol 48:83-90, Sep 70
Human thyroid-stimulating hormone and lipolysis. Fernie A, et al. J Endocrinol 46:ix, Feb 70
Thyroid hormone concentration in serum after thyroid stimulation. Williams ES, et al.
J Endocrinol 49:xi, Mar 71
The early phase of endocytosis in rat thyroid follicle cells. Seljelid R, et al. Lab Invest 23:595-605, Dec 70
Effects of thyrotropin, prostaglandin E1 and a prostaglandin antagonist on iodide trapping in isolated thyroid cells. Burke G, et al.
Life Sci [II] 10:513-21, 8 May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

In vitro influence of thyrotropin or long-acting thyroid stimulator on mouse thyroid membrane potential. Konno N, et al. Metabolism 19:724-34, Oct 70
Effect of thyroxine and TSH on the activity of certain enzymes of striated muscle and myocardium. Wajdowicz A. Pol Med J 10:117-9, 1971
The influence of thyrotropin on harderian gland glycosaminoglycans of the mouse. Singh SP, et al. Proc Soc Exp Biol Med 135:478-82, Nov 70
Effect of thyroid stimulating hormone and radiophosphorus irradiation on the blood components of Heteropneustes fossilis Bloch.. Srivastava PN, et al. Strahlentherapie 139:565-70, May 70
[In vitro reassociation of cells isolated from porc ine thyroid and the biosynthesis of thyroglobulin. I. Conditions for the induction of cellular reassociations by thyreostimulin] Fayet G, et al. Bull Soc Chim Biol (Paris) 52:299-306, 17 Apr 70 (Fre)
[Action of TSH on metabolism of thyroid phospholipids in vitro. Biphasic effect not reproduced by C-AMP and DBC] Jacquemin C, et al. Bull Soc Chim Biol (Paris) 52:153-65, 31 Mar 70 (Fre)
[Effects of pharmacological doses of iodine upon the rat thyroid gland in vivo. Influence of TSH on the Wolff-Chaikoff block. Histological observations] Burgi H, et al. Rev Fr Endocrinol Clin 11:419-26, Sep-Oct 70 (Fre)
[Study of the non-specific pharmacodynamic action of certain pituitary and thyroid hormones on the neuroadrenergic system] Simionescu S, et al. Rev Roum Physiol 7:123-40, 1970 (Fre)
[Behavior of alkaline leukocyte phosphatase in the rat after application of thyrotropin and female sex hormones] Bailer P, et al. Blut 21:301-7, Nov 70 (Ger)
[Variations in the activity of leukocyte alkaline phosphatase after administration of thyrotropic hormone and estradiol benzoate] Bailer P, et al. Z Geburtshilfe Gynaekol 173:148-53, 1970 (Ger)
[Experimental studies on lipolysis in adipose tissue from man and guinea pig] Ebel W, et al. Z Gesamte Inn Med 26:30-3, 1 Jan 71 (Ger)
[Action mechanism of thyroid stimulating hormones (TSH and LATS)] Ochi Y, et al. Folia Endocrinol Jap 46:625-30, 20 Sep 70 (Jap)
[Hormonal action and redox state response in target cells: study on the action mechanism of thyroid stimulating hormone and parathyroid hormone] Ogata E, et al. Folia Endocrinol Jap 46:631-8, 20 Sep 70 (Jap)
[Hormonal regulation on the membrane permeability of sugar] Tarui S, et al. Folia Endocrinol Jap 46:639-44, 20 Sep 70 (Jap)
[Effect of thyrotropic hormone on cell division in the organism] Romanov IuA, et al. Biull Eksp Biol Med 70:81-3, Sep 70 (Rus)

PHYSIOLOGY

Effects of chlorpromazine, propranolol and phospholipase C on thyrotropin and prostaglandin stimulation of adenyl cyclase-cyclic AMP system in dog thyroid slices. Yamashita K, et al. Metabolism 19:1109-18, Dec 70
[Bioenergetic effect of various hormones (insulin, thyrotropin, gonadotropins)] Milanov S. Ann Endocrinol (Paris) 31:1101-10, Nov-Dec 70 (Fre)
[Synthesis of TRH and the thyreostimulin release test in children] Milhaud G, et al. C R Acad Sci [D] (Paris) 271:1900-3, 23 Nov 70 (Fre)
[Morphokinetic effect of thyrotrope hormone on the C-cells of the thyroid gland] Wuttke H, et al. Z Gesamte Exp Med 155:20-31, 1971 (Ger)

SECRETION

Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man. Sakoda M, et al. Endocrinol Jap 17:541-9, Dec 70
Effects of cold adaptation, rewarming and heat exposure on thyrotropin (TSH) secretion in rats. Bakke JL, et al. Endocrinology 89:204-12, Jul 71
Simultaneous effects of thyroid and adrenal inhibitors on maternal-fetal endocrine interrelations in the rat. D'Angelo SA, et al. Endocrinology 89:591-7, Aug 71
Stimulatory and inhibitory action of estradiol on TSH secretion. Fisher JS, et al. Endocrinology 88:687-91, Mar 71
Effect of synthetic TRF on hormone release from bovine anterior pituitary in vitro. LaBella FS, et al. Endocrinology 88:787-9, Mar 71
Feedback regulation of TSH secretion in rats with hypothalamic lesions. Martin JB, et al. Endocrinology 87:1032-40, Nov 70
Modification of pituitary thyrotropin and thyroid activity in the rat following administration of clomiphene citrate. Gellert RJ, et al. Gynecol Invest 1:129-39, 1970
Effect of thyroid inhibitors on the thyrotrophs & the hypothalamo-hypophysial neurosecretory system of Clarias batrachus L. Dixit VP. Indian J Exp Biol 8:98-101, Apr 70
TSH production rate in nontoxic goiter. Beckers C, et al. J Clin Endocrinol Metab 32:852-4, Jun 71
Increase in thyrotrophin secretion by rat pituitary autografts after infusion of hypothalamic extracts. Evans JS, et al. J Endocrinol 50:397-405, Jul 71
Investigations on the hypothalamic control of thyroid-stimulating hormone secretion in the teleost Poecilia latipinna. Higgins KM, et al. J Endocrinol 48:xxix, Sep 70
Isolated TSH deficiency presenting as myxedema heart disease. Gupta MP, et al. JAMA 217:205-7, 12 Jul 71
Neuroendocrine control of the pituitary TSH secretion. II. Role and mode of pituitary TSH secretion in the cold. Sakoda M, et al. Kobe J Med Sci 16:87-94, Sep 70
Neuroendocrine control of the pituitary TSH secretion. I. Effect of TRF and thyroxine on thyrotropin release from rat pituitary in organ culture. Tanaka I, et al. Kobe J Med Sci 16:79-85, Jun 70
Hydatidiform mole--a cause of clinical hyperthyroidism. Report of two cases with evidence that the molar tissue secreted a thyroid stimulator. Hershman JM, et al. N Engl J Med 284:573-7, 18 Mar 71
[Quantitative estimation of secretion of thyreostimulin in humans] Beckers C, et al. Ann Endocrinol (Paris) 31:747-9, Jul-Aug 70 (Fre)
[Appearance of hormonal secretions in the bovine fetal pituitary gland: immunofluorescence demonstration of gonadotropic cells and thyrotropic cells] Dubois MP. C R Acad Sci [D] (Paris) 272:1793-5, 29 Mar 71 (Fre)
[Exploration of thyroid-stimulating hormone (TSH) secretion] Ketelslegers JM, et al. Rev Fr Endocrinol Clin 11:133-41, Mar-Apr 70 (Fre)
[Development of function of the thyrotropin secreting cells in the pituitary gland of the golden hamster] Kleesen C. Z Zellforsch Mikrosk Anat 114:580-92, 1971 (Ger)
[Radioimunologic doseof thyrotropin hormoe. Prelilnary resul] Vigneri R, et al. Folia Endocrinol (Roma) 23:314-30, Jun 70 (Ita)
[Pituitary-thyroid system--with special reference to human TSH secretion] Miyai K. Clin Endocrinol (Tokyo) 18:795-801, Oct 70 (43 ref.) (Jap)
[Anterior pituitary gland function tests. 2. HGH, LH, FSH, and TSH secretion tests] Takebe K, et al. Clin Endocrinol (Tokyo) 19:127-33, Feb 71 (49 ref.) (Jap)
[Experimental studies on the effects of thyroid hormones on the regulation of pituitary TSH secretion and its mechanism] Fukatsu H. Folia Endocrinol Jap 47:236-45, 20 Jul 71 (Jap)
[Regulation of TSH secretion] Miyai K, et al. Folia Endocrinol Jap 46:983-4, 20 Dec 70 (Jap)
[Effects of synthetic thyrotropin-releasing factor (TRF) on TSH secretion with special reference to the evaluation of the TRF test] Otsuki M. Folia Endocrinol Jap 47:301-21, 20 Aug 71 (Jap)
[Control of pituitary TSH secretion] Sakoda M. Folia Endocrinol Jap 46:984-5, 20 Dec 70 (Jap)
[Effect of destruction of the posterior hypothalamic nuclei on the thyrotropic and exophthalmic activity of the rabbit hypophysis] Korneva EA, et al. Fiziol Zh SSSR 56:159-64, Feb 70 (Rus)
[Magnesium ions and thyrotropic hormone] Rachev R, et al. Probl Endokrinol (Mosk) 16:63-7, May-Jun 70 (Rus)
[On the thyrotropic tumor of the pituitary gland] Costero I, et al. Gac Med Mex 101:555-90, May 71 (Spa)
[Hormones and stress] Luft R, et al. Nord Med 84:1257-64, 1 Oct 70 (67 ref.) (Swe)

THERAPEUTIC USE

Enhancement of imipramine by thyroid stimulating hormone: clinical and theoretical implications. Prange AJ Jr, et al. Am J Psychiatry 127:191-9, Aug 70

THYROTROPIN RELEASING FACTOR (D8)

Activity-structure relationships of the thyrotropin releasing hormone. Bowers CY, et al. Biochem Biophys Res Commun 40:683-91, 11 Aug 70
Preparation of tritiated thyrotropin releasing hormone (TRH) by the Wilzbach method. Redding TW, et al. Int J Appl Radiat Isot 21:742-4, Dec 70
Structure and synthesis of the thyrotropin-releasing hormone. Enzmann F, et al. J Med Chem 14:469-74, Jun 71
[Recent progress in the study of TRF (thyrotropin releasing factor)] Takemura Y. Jap J Clin Med 29:114-8, Jan 71 (30 ref.) (Jap)
[Current progress in the study of TRF (thyrotropin releasing factor)] Yakemura Y, et al. Naika 27:317-20, Feb 71 (32 ref.) (Jap)

ADMINISTRATION & DOSAGE

A study on the mode of administration of thyrotropin releasing hormone (TRH) in mice. Redding TW, et al. Neuroendocrinology 6:329-35, 1970

ANALYSIS

The development of thyroid-stimulating hormone-releasing factor activity in the neonatal rabbit. Siebodziński A, et al. J Endocrinol 49:559-67, Apr 71
Neuroendocrine control of the pituitary TSH secretion. 3. Studies on thyrotropin-releasing factor (TRF) in vitro with special reference to fluctuation of hypothalamic TRF. Sakoda M, et al. Kobe J Med Sci 16:95-100, Sep 70
[Determination of thyrotropin releasing hormone (TRH) in animal experiments] Schulz F, et al. Acta Endocrinol [Suppl] (Kbh) 152:79, 1971 (Ger)

BIOSYNTHESIS

Thyrotropin-releasing hormone: biosynthesis by rat hypothalamic fragments in vitro. Mitnick M, et al. Science 172:1241-3, 18 Jun 71

CHEMICAL SYNTHESIS

Synthesis and biological activity of thyrotropin-releasing hormone. Baugh CM, et al. Endocrinology 87:1015-21, Nov 70
An efficient synthesis of thyrotropin releasing hormone (TRH). Rivaille P, et al. Helv Chim Acta 54:355-7, 1971
Synthesis of the thyrotropin-releasing hormone. Boler J, et al. J Med Chem 14:475-6, Jun 71
Syntheses of pyroglutamylhistidylprolinamide and unusual mass fragmentation. Chang JK, et al. J Med Chem 14:481-3, Jun 71
Synthesis of analogs of the thyrotropin-releasing hormone and structure-activity relationship. Chang JK, et al. J Med Chem 14:484-7, Jun 71
[Biological action of synthetic hypothalamic hormone TRF (thyrortropin-releasing factor). 2. Specificity and modifying factor of synthetic of biological action of TRF] Sakoda M, et al. Folia Endocrinol Jap 46:828-9, 20 Oct 70 (Jap)
[Biological action of synthetic hypothalamic hormone TRF (thyrotropin-releasing factor). 1. Effect of synthetic TRF in vivo and in vitro] Sakoda M, et al. Folia Endocrinol Jap 46:821-5, 20 Oct 70 (Jap)

DIAGNOSTIC USE

Thyrotrophin releasing factor (TRF) in the diagnosis of thyroid disorders: its application in different states of Graves' disease. Mühlen A von zur, et al. Acta Endocrinol [Suppl] (Kbh) 155:6, 1971
Failure of pituitary response to thyrotrophin-releasing hormone in euthyroid Graves' disease. Lawton NF, et al. Lancet 2:14-6, 3 Jul 71
Thyrotrophin-releasing hormone as a thyroid-function test. Ormston BJ, et al. Lancet 2:10-4, 3 Jul 71
[Clinical significance of synthetic TRH (thyrotropin releasing hormone)] Horster FA, et al. Dtsch Med Wochenschr 96:175-6, 22 Jan 71 (Ger)
[Clinical application of thyrotropin releasing hormone (TRH)] Miyai K, et al. Naika 28:35-41, 1971 (Jap)

METABOLISM

Response to thyrotrophin-releasing hormone. Hall R, et al. Lancet 2:213, 24 Jul 71
An ultrastructural study of sites of granule extrusion in the anterior pituitary of the rat. Pelletier G, et al. Z Zellforsch Mikrosk Anat 115:501-7, 1971

PHARMACODYNAMICS

Effects of synthetic pyroglutamyl-histidyl-proline-amide on serum levels of thyrotrophin, cortisol, growth hormone, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Kariberg B, et al. Acta Endocrinol (Kbh) 67:288-302, Jun 71
Effects of synthetic TRH on serum levels of HTSH, cortisol, STH, insulin and PBI in normal subjects and patients with pituitary and thyroid disorders. Kariberg B, et al. Acta Endocrinol [Suppl] (Kbh) 155:7, 1971
The effect of synthetic TRF on serum levels of TSH, total thyroxine and glucose in normal persons. Köbberling J, et al. Acta Endocrinol [Suppl] (Kbh) 155:1, 1971
Insulin dependent diabetes mellitus and HGH, TSH in serum following thyrotrophin releasing factor (TRF). Raptis S, et al. Acta Endocrinol [Suppl] (Kbh) 155:182, 1971
Thyrotrophin (TSH), human growth hormone (HGH) in hypothyroid patients and patients with endocrine ophthalmopathy after TRF injection. Rothenbuchner G, et al. Acta Endocrinol [Suppl] (Kbh) 155:2, 1971
Dose-dependent increasing effects of (pyro)glu-his-pro(NH 2) on TSH-activity in McKenzie assay under decreasing thyroxine-blockade. Schemmel K, et al. Acta Endocrinol [Suppl] (Kbh) 155:4, 1971
TSH-release and TSH-resynthesis induced by TSH-RF and some analogs. Steiner H, et al. Acta Endocrinol [Suppl] (Kbh) 155:5, 1971
Investigations of the effect of thyrotrophin-releasing hormone in euthyroid persons as well as in patients

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

with thyroid dysfunction. Wagner H, et al.
Acta Endocrinol [Suppl] (Kbh) 155:3, 1971
Stimulation of pituitary glucose oxidation by thyrotropin-releasing hormone. Pittman JA Jr, et al.
Biochem Biophys Res Commun 40:1246-52, 10 Sep 70
Thyrotropin releasing hormone: direct evidence for stimulation of prolactin production by pituitary cells in culture. Tashjian AH Jr, et al.
Biochem Biophys Res Commun 43:516-23, 7 May 71
Further observations on the effect of synthetic thyrotropin-releasing hormone in man. Ormston BJ, et al. Br Med J 2:199-202, 24 Apr 71
Effects of synthetic thyrotropin-releasing hormone on plasma thyrotropin, growth hormone and insulin levels in man. Saito S, et al.
Endocrinol Jap 17:101-8, Feb 71
Effect of synthetic thyrotropin-releasing factor (TRF) on pituitary TSH secretion in man. Sakoda M, et al.
Endocrinol Jap 17:541-9, Dec 70
Synthesis and biological activity of thyrotropin-releasing hormone. Baugh CM, et al.
Endocrinology 87:1015-21, Nov 70
Thyrotropin releasing hormone (TRH) stimulation of thyroidal radioiodine release in the rat: comparison between intravenous and intraventricular administration. Kendall JW, et al.
Endocrinology 88:1503-6, Jun 71
Effect of synthetic TRF on hormone release from bovine anterior pituitary in vitro. LaBella FS, et al.
Endocrinology 88:787-9, Mar 71
Stimulation of 14-C-glucosamine and 14-C-alanine incorporation into thyrotropin by synthetic thyrotropin-releasing hormone. Wilber JF.
Endocrinology 89:873-7, Sep 71
Effect of synthetic "thyrotropin-releasing factor" on plasma levels of thyrotropin and growth hormone in healthy subjects and patients with hyperthyroidism or primary hypothyroidism. Mühlen A von zur, et al.
Ger Med Mon 1:1-2, Spring 71
Synthetic thyrotrophin-releasing hormone in man. Ormston BJ, et al. J Endocrinol 49:x-xi, Mar 71
Synthetic thyrotropin-releasing hormone. Activity in men and women, specificity of action, inhibition by triiodothyronine, and activity orally. Bowers CY, et al.
J Med Chem 14:477-81, Jun 71
Polypeptides. XLVII. Effect of the pyrazole-imidazole replacement on the biological activity of thyrotropin-releasing hormone. Hofmann K, et al.
J Med Chem 13:1099-101, Nov 70
Neuroendocrine control of the pituitary TSH secretion. I. Effect of TRF and thyroxine on thyrotropin release from rat pituitary in organ culture. Tanaka I, et al.
Kobe J Med Sci 16:79-85, Jun 70
Maternal-fetal endocrine interrelations: demonstration of TSH release from the fetal hypophysis in pregnant rats administered synthetic TRH. D'Angelo SA, et al.
Proc Soc Exp Biol Med 137:175-8, May 71
[Hypophyseal reactivity to stimulation by synthetic TRH in human] Beckers C, et al.
Ann Endocrinol (Paris) 32:214-7, Jan-Feb 71 (Fre)
[Thyrotropin releasing hormone and serum levels of catecholamines as well as 11-hydroxycorticoids] Brisse B, et al.
Acta Endocrinol [Suppl] (Kbh) 152:77, 1971 (Ger)
[Investigations concerning the effect of synthetic "thyrotropin releasing factor" (TRF) in patients with thyroid gland function disorders and in healthy controls] Mühlen A von zur, et al.
Acta Endocrinol [Suppl] (Kbh) 152:76, 1971 (Ger)
[Preliminary results concerning the application of synthetic thyrotropin releasing hormone (TRH) in man] Retiene K, et al.
Acta Endocrinol [Suppl] (Kbh) 152:78, 1971 (Ger)
[H-TSH, thyroxine, HGH, insulin and glucose in the blood after administration of synthetic thyrotropin releasing hormone] Wagner H, et al.
Acta Endocrinol [Suppl] (Kbh) 152:80, 1971 (Ger)
[The effect of synthetic TRH in vivo] Wildmeister W, et al.
Acta Endocrinol [Suppl] (Kbh) 152:81, 1971 (Ger)
[Effect of synthetic "thyreotropin releasing factor" on the plasma levels of thyreotropic hormone and growth hormone in healthy subjects, in patients with hyperthyreosis and primary hypothyreosis] Mühlen A von zur, et al.
Dtsch Med Wochenschr 95:2623-4, 25 Dec 70 (Ger)
[Effects of synthetic thyrotropin-releasing factor (TRF) on TSH secretion with special reference to the evaluation of the TRF test] Otsuki M.
Folia Endocrinol Jap 47:301-21, 20 Aug 71 (Jap)
[Biological action of synthetic hypothalamic hormone TRF (thyrortropin-releasing factor). 2. Specificity and modifying factor of synthetic of biological action of TRF] Sakoda M, et al.
Folia Endocrinol Jap 46:828-9, 20 Oct 70 (Jap)
[Biological action of synthetic hypothalamic hormone TRF (thyrotropin-releasing factor). 1. Effect of synthetic TRF in vivo and in vitro] Sakoda M, et al.
Folia Endocrinol Jap 46:821-5, 20 Oct 70 (Jap)

PHYSIOLOGY

[Synthesis of TRH and the thyreostimulin release test in children] Milhaud G, et al.
C R Acad Sci [D] (Paris) 271:1900-3, 23 Nov 70 (Fre)
[Reitionship between thyrotropin releasing factor (TRF) and thyroid hormone] Fukuda T.
Folia Endocrinol Jap 46:1169-79, 20 Mar 71 (Jap)

RADIATION EFFECTS

Photo-oxidation of thyrotropin releasing hormone. Kennedy JF, et al. Life Sci [II] 10:569-73, 22 May 71

SECRETION

Hypothalamic hypothyroidism. Pittman JA Jr, et al.
N Engl J Med 285:844-5, 7 Oct 71
[Apropos of hypothalamic hormones, especially of thyrotrophin releasing factor]
Annee Endocrinol 23:33-8, 1971 (Fre)

THYROXINE (D8)

Activation of monkey spermatozoal adenyl cyclase by thyroxine and triiodothyronine. Castillas ER, et al.
Biochem Biophys Res Commun 40:255-62, 27 Jul 70
A soluble 3,5-dinitrotyrosine aminotransferase from rabbit liver which catalyzes the transamination of thyroid hormone. Hechtman P, et al.
Biochem Biophys Res Commun 43:1395-401, 18 Jun 71
The influence of thyroactive substances on the induction of cervico-vaginal tumours in intact and castrate rats. Cherry CP, et al.
Br J Cancer 24:510-27, Sep 70
Thyroxine-protein interactions. VII. Effect of thyroxine analogs on the binding of 125-I-thyroxine to highly purified human thyroxine-binding globulin. Hao YL, et al. Endocrinology 88:91-92, Jan 71
Effect of peptide derivatives of thyroxine on the binding of 125-I-thyroxine to purified human thyroxine-binding globulin. Tabachnick M, et al.
Endocrinology 89:606-9, Aug 71
Differential fluorescence spectrometry: a study of the interaction of a fluorescent compound (albumin) with a quencher (thyroxine). Hocman G.
Endokrinologie 57:176-81, 1971
The sulfhydryl group and the strong binding site of L-thyroxine in human serum albumin. Okubo A.
J Biochem (Tokyo) 69:803-5, Apr 71
Thyroxine degradation during lipoxidase-catalyzed peroxidation of linoleic acid. Wynn J.
J Biol Chem 245:3621-5, 25 Jul 70
Thyroxine analogues: synthesis and nuclear magnetic resonance spectral studies of diphenylamines. Mukherjee R, et al. J Chem Soc [Org] 9:1596-600, 1971
Production of antibodies specifically binding triiodothyronine and thyroxine. Chopra IJ, et al.
J Clin Endocrinol Metab 32:299-306, Mar 71
No interference from thyroxine methyl ester with T3 determination by Nauman, Nauman and Werner method. Radichevich I, et al.
J Clin Endocrinol Metab 32:350-5, Mar 71
The effect of Enovid on the binding of thyroxine to plasma proteins in vitro. Moses HA, et al.
J Natl Med Assoc 62:331-3, Sep 70
[Histologic changes in the liver of albino rats treated with hormones and hormone synthesis-blocking agents] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 115:141-62, 1970 (Ger)

ADMINISTRATION & DOSAGE

Effects of graded doses of L-thyroxine on 14C-leucine incorporation into anterior pituitary proteins of thyroidectomized rats. Matsuzaki S.
Endocrinol Jap 17:379-85, Oct 70
Prolonged administration of thyroxin: quantitation and the avoidance of trauma. Alsager DE, et al.
Lab Pract 20:569-71, Jul 71
Suppression of thyrotropin (h-TSH) in serums of patients with myxedema of varying etiology treated with thyroid hormones. Cotton GE, et al.
N Engl J Med 285:529-33, 2 Sep 71
Effect of thyroxine-agar tube application to the rat hypothalamus. Chambers WF, et al.
Neuroendocrinology 7:37-45, 1971
[Dosage of a combined preparation of synthetic thyroxine and triiodothyronine in children] Wiebel J, et al.
Dtsch Med Wochenschr 95:2336-32, 13 Nov 70 (Ger)
[Karyometric studies on Leydig interstitial cells in the testis of albino rats following experimental alteration of the hypothalamus-hypophysis-thyroid gland system] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 114:284-306, 1969 (Ger)
[Dosage of a combined preparation of synthetic triiodothyronine and thyroxine in childhood] Wiebel J, et al.
Monatsschr Kinderheilkd 118:457-60, Jul 70 (Ger)
[Simultaneous administration of L-thyroxine and L-triiodothyronine to patients with thyroid function disorders] Ramdohr B, et al.
Munch Med Wochenschr 110:2300-3, 4 Oct 68 (Ger)
[Glucose metabolism, lipid fractions and blood uric acid level following administration of sodium dextro-thyroxine] Ceruso D, et al.
G Gerontol 18:868-75, Sep 70 (Ita)
[Combined substitution treatment with thyroxine and triiodothyronine?] Frey H.
Tidsskr Nor Laegeforen 91:222, 30 Jan 71 (Nor)

ADVERSE EFFECTS

Alarming reactions to ketamine in patients taking thyroid medication--treatment with propranolol. Kaplan JA, et al. Anesthesiology 35:229-30, Aug 71

ANALYSIS

Spectrophotometric determination of monoiodotyrosine, diiodotyrosine, and thyroxine in iodoproteins. Covelli I, et al.
Anal Biochem 42:82-90, Jul 71
Iodine analysis of biological samples by neutron activation of 127-I, with scintillation counting of Cerenkov radiation. Hoch FL, et al.
Anal Biochem 40:86-94, Mar 71
Free iodothyronines in the rat thyroid gland. Haibach H. Endocrinology 88:149-54, Jan 71
Thyroxine content in thyroid glands of domestic animals. IV. Thyroid activity of camel, cattle, sheep and goats, in the Sudan. Abdel-Wahab MF, et al.
Endokrinologie 56:206-12, 1970
The amino acid neighbors of thyroxine in thyroglobulin. Dunn JT.
J Biol Chem 245:5954-61, 25 Nov 70
Free thyroxine in bile. Hillier AP.
J Endocrinol 50:181-2, May 71
GLC assay of sodium thyroxine. Zimmerer RO Jr, et al.
J Pharm Sci 60:493-5, Mar 71
[Determination of thyroxine using competitive protein binding analysis] Wijnandts PN, et al.
Pharm Weekbl 106:321-32, 9 Apr 71 (Dut)
[Thyroid function tests by radioactive determination in vitro. Statistical study of 500 consecutive cases of T3 and T4 measurements] Ghys R.
Union Med Can 99:1478-84, Aug 70 (Fre)
[Stereospecific determination of small quantities of L-thyroxine in D-thyroxine] Neudecker H, et al.
Arzneim Forsch 21:432, Mar 71 (Ger)
[Thin-layer chromatography of iodinated amino acids] Goll KH, et al.
Z Gesamte Inn Med 24:Suppl:187-8, 1 Jan 69 (Ger)

ANTAGONISTS & INHIBITORS

Amines and mouse thyroid activity: release of thyroid hormone by catecholamines and indoleamines and its inhibition by adrenergic blocking drugs. Melander A.
Acta Endocrinol (Kbh) 65:371-84, Oct 70
Dissociation between thyroxine metabolism and hormonal action in phenobarbital-treated rats. Oppenheimer JH, et al. Endocrinology 88:115-9, Jan 71
Peripheral inhibition of thyroxine by thiohydantoins derived from amino acids. Marx JV, et al.
J Med Chem 13:1179-81, Nov 70

BIOSYNTHESIS

Influence of the lithium ion on the biosynthesis of thyroxine and thyroglobulin in the rat. Ljunggren JG, et al. Acta Endocrinol (Kbh) 67:784-92, 1971
On the activating effect of prolactin on thyroid metabolism in the crested newt. Comparison between the effect of prolactin and methylthiouracil. Peyrot A, et al. Gen Comp Endocrinol 16:524-34, Jun 71
Defective iodide organification in "cryptothyroidism". Smith JD, et al.
J Okla State Med Assoc 63:195-9, May 70
Thyroid peroxidase and thyroxine biosynthesis. Taurog A. Recent Progr Horm Res 26:189-247, 1970 (82 ref.)

BLOOD

Determination of total and free serum thyroxine in thyroid diseases. Liewendahl K, et al.
Acta Endocrinol (Kbh) 67:793-800, 1971
Extra-thyroidal effect of thyrotrophin on serum thyroxine. Sisson JC.
Acta Endocrinol (Kbh) 65:423-34, Nov 70
Separation and microchemical determination of serum triiodothyronine and thyroxine. Horn K, et al.
Acta Endocrinol [Suppl] (Kbh) 152:85, 1971
Diurnal serum thyroxine levels. Horth CE, et al.
Acta Endocrinol [Suppl] (Kbh) 155:10, 1971
The effect of synthetic TRF on serum levels of TSH, total thyroxine and glucose in normal persons. Köbberling J, et al.
Acta Endocrinol [Suppl] (Kbh) 155:1, 1971
Separate determination of total T 3 and T 4 in serum by a semiautomatical method. Ruhl T, et al.
Acta Endocrinol [Suppl] (Kbh) 155:8, 1971
A case of congenital myxoedema diagnosed on the second day of life by microanalysis of serum thyroxin. Sparrevohn S, et al.
Acta Paediatr Scand 60:246, Mar 71
A study of the factors affecting the precision and accuracy of thyroxine (T4) determinations. Hanok A, et al. Am J Clin Pathol 54:543-61, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Protein-bound iodine and T4 tests after vaginal application of povidone-iodine. King IR, et al. Am J Obstet Gynecol 108:1175-7, 15 Dec 70
Serum total and free thyroxine and thyrotropin in normal and pregnant women, neonates, and women receiving progestogens. Malkasian GD, et al. Am J Obstet Gynecol 108:1234-8, 15 Dec 70
Plasma thyroxine and thyroid-stimulating hormone levels during submaximal exercise in humans. Terjung RL, et al. Am J Physiol 220:1840-5, Jun 71
Double-isotope derivative assay of serum iodothyronines. II. Thyroxine. Hagen GA, et al. Anal Biochem 38:517-28, Dec 70
Serum levels of thyroxine in man during spinal anesthesia and surgery. Oyama T, et al. Anesth Analg (Cleve) 50:309-13, May-Jun 71
Microbodies in experimentally altered cells. VI. Thyroxine displacement from plasma proteins and ciofibrate effect. Azarnoff DL, et al. Arch Int Pharmacodyn Ther 181:386-93, Oct 69
Serum thyroxine resin uptake of liothyronine I 125, and free thyroxine index. Sarin RK, et al. Arch Intern Med 126:631-4, Oct 70
Clinical applications of thyroid hormone measurement. Williams ES. Br J Radiol 43:828, Nov 70
The effect of surgical operation on thyroid activity. Kirby R, et al. Br J Surg 58:305, Apr 71
Measurement of "free" thyroxine in serum. Lee ND, et al. Clin Chem 17:166-73, Mar 71
Correlation between results of a new T-3 test and the percentage of free thyroxine in serum. Leonards JR. Clin Chem 16:922-4, Nov 70
Modified semiautomated method for serum thyroxine. Yee HY, et al. Clin Chem 17:622-5, Jul 71
A semiautomated method for the determination of serum thyroxine (T4) without incineration. Keller HE, et al. Clin Chim Acta 29:579-81, Sep 70
Evaluation of a simplified technique for the specific measurement of serum thyroxine concentration. Braverman LE, et al. J Clin Endocrinol Metab 32:497-502, Apr 71
Observations on the effect of heparin on free and total thyroxine. Saeed-uz-Zafar M, et al. J Clin Endocrinol Metab 32:633-40, May 71
Serum free thyroxine levels in newborn animals assessed by the sephadex tri-iodothyronine-binding coefficient. Slebodziński A. J Endocrinol 50:349-50, Jun 71
Evaluation of the resin strip technique for determining serum T3 binding capacity and serum thyroxine. Brookeman VA, et al. J Nucl Med 12:55-60, Feb 71
Serum thyroxine determination by competitive protein binding analysis: the normal range. Fitzgerald LT, et al. J Nucl Med 11:669-73, Nov 70
Effect of tracer doses of 131I on serum protein-bound iodine and serum thyroxine concentration. Vagenakis AG, et al. J Nucl Med 12:637-8, Sep 71
The rates of release and binding of thyroxine by bovine serum. Hillier AP. J Physiol (Lond) 208:473-83, Jun 70
Thyrotrophin and the T3-T4 ratio. Elewaut A, et al. Lancet 1:1237, 12 Jun 71
Serum-thyroxine and thyroxine-binding globulin in seriously ill patients. Harvey RF. Lancet 1:208-12, 30 Jan 71
Interpretation of serum-protein-bound iodine. Lancet 1:1341-2, 26 Jun 71 (19 ref.)
In-vitro thyroid tests in children. Murray IP, et al. Med J Aust 1:77-9, 9 Jan 71
Further observations on the use of the serum thyroxine estimation in the in-vitro assessment of thyroid function. Murray IP, et al. Med J Aust 1:73-7, 9 Jan 71
Diurnal rhythm in total serum thyroxine levels. De Costre P, et al. Metabolism 20:782-91, Aug 71
Technical aspects of the estimation of triiodothyronine in human serum: evidence of conversion of thyroxine to triiodothyronine during assay. Larsen PR. Metabolism 20:609-24, Jun 71
Serum thyroxine. Burke MD. Minn Med 53:1221-5, Dec 70
Short-term regulation of blood thyroxine level following the acute removal of circulating hormone by isovolemic exchange transfusion. Langer P, et al. Neuroendocrinology 8:59-69, 1971
Simple method for determining the concentration of serum thyroxine by competitive displacement analysis. Bános C, et al. Nucl Med (Stuttg) 9:341-9, 31 Dec 70
Effect of diazepam (Valium) on dialysable thyroxime. Saldanha VF, et al. Postgrad Med J 47:326-8, Jun 71
[A case of congenital myxedema diagnosed during the second day of life by microanalysis of serum thyroxine] Sparrevohn S, et al. Nord Med 85:90, 21 Jan 71 (Dan)
[Value of the determination of total blood thyroxine by the method of isotopic saturation and by resin uptake of triiodothyronine in daily clinical work] Jonckheer MH, et al. Acta Clin Belg 25:129-38, 1970 (Fre)
[Determination of free thyroxine in human serum] Chollet P, et al. Ann Endocrinol (Paris) 31:913-25, Sep-Oct 70 (Fre)
[Effect of training on levels of free thyroxine in athletes] Nayer P de, et al. Ann Endocrinol (Paris) 31:721-3, Jul-Aug 70 (Fre)
[Plasma clearing of 125I-L-thyroxine after hypophysectomy and hypophyseal autograft in ducks] Astier H, et al. J Physiol (Paris) 62:Suppl 2:237, 1970 (Fre)
[H-TSH, thyroxine, HGH, insulin and glucose in the blood after administration of synthetic thyrotropin releasing hormone] Wagner H, et al. Acta Endocrinol [Suppl] (Kbh) 152:80, 1971 (Ger)
[Activated charcoal as adsorbent for exogenous iodinated compounds in determining hormonal iodine in serum] Ködding R, et al. Clin Chim Acta 31:271-6, Jan 71 (Ger)
[Peritoneal dialysis in the treatment of thyroid crisis] Herrmann J, et al. Dtsch Med Wochenschr 96:742-5, 23 Apr 71 (Ger)
[Relation of function and size of the thyroid gland to thyroxine content of the serum] Braedel HU, et al. Fortschr Geb Roentgenstr Nuklearmed 112:880-6, May 70 (Ger)
[The behavior of free thyroxine in serum of patients with hyperthyroidism under thyrostatic therapy] Morgner KD, et al. Klin Wochenschr 48:966-9, 15 Aug 70 (Ger)
[Improved thyroid function tests with combined in vitro testing] Brase A. Med Klin 66:604-8, 16 Apr 71 (Ger)
[pH effects on free serum thyroxine and its physiological significance] Bekier A. Nucl Med (Stuttg) 10:1-15, 30 Apr 71 (Ger)
[Improvement of thyroid gland function diagnostic tests through the determination of total serum thyroxine and a free thyroxin index] Riccabona G, et al. Z Allgemeinmed 46:1483-6, 31 Oct 70 (Ger)
[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyánfy G, et al. Z Klin Chem Klin Biochem 9:117-22, Mar 71 (Ger)
[Total thyroxine in the serum (comparison of 3 methods)] Herrmann J, et al. Z Klin Chem Klin Biochem 8:605-10, Nov 70 (Ger)
[Determination of blood thyroxine by Res-O-Mat T4] Hori A, et al. Clin Endocrinol (Tokyo) 19:75-80, Jan 71 (Jap)
[Thyroxine iodine in the blood. Evaluation of the diagnostic possibilities of serum thyroxine determined by competitive radioimmunoassay, along with serum thyroxine determination combined with the triiodothyronine test and estimation of the free thyroxine factor] Rootwelt K. Tidsskr Nor Laegeforen 91:1534-8, 10 Aug 71 (Nor)
[Effect of treatment with radon waters at Swieradów-spa and the serum thyroxine level] Halawa B. Pol Tyg Lek 26:821-2, 31 May 71 (Pol)
[Changes in the chemistry of the striated muscle in experimental hyperthyreotropinemia and hyperthyroxinemia] Wajdowicz A. Przegl Lek 24:667-8, 1968 (Pol)
[Serum thyroxine (T4) determination] Prensa Med Mex 35:451-2, Nov-Dec 70 (Spa)
[Diagnostic value of total serum thyroxine] Claure H, et al. Rev Med Chil 98:725-8, Nov 70 (Spa)
[Analysis of iodothyronine in blood--an alternative to PBI] Adamson U. Nord Med 84:1500, 19 Nov 70 (Swe)
[Clinical value of the method for the determination of thyroxine by competative protein binding analysis] Mitra Z, et al. Med Glas 24:466-9, Oct-Nov 70 (Cro)
[Value of the free thyroxine index in the evaluation of thyroid gland function] Borota R, et al. Med Pregl 24:63-7, 1971 (Cro)

CEREBROSPINAL FLUID

The binding capacity of thyroxine-binding globulin in cerebrospinal fluid. Siersbaek-Nielsen K, et al. Acta Endocrinol (Kbh) 67:616-24, Jul 71

CHEMICAL SYNTHESIS

Model reactions for the biosynthesis of thyroxine. XII. The nature of a thyroxine precursor formed in the synthesis of thyroxine from diiodotyrosine and its keto acid analog. Nishinaga A, et al. Biochemistry 7:388-97, Jan 68

DIAGNOSTIC USE

The computer in the diagnosis of thyroid disease. Robin NI, et al. J Nucl Med 12:620-4, Sep 71
[Triosorb and tetrasorb--how to read its figures] Ino S. Jap J Clin Med 29:Suppl:552-67, Jan 71 (74 ref.) (Jap)

ISOLATION & PURIFICATION

[Thin layer chromatographic determination of iodine contamination of aromatic amino acids on two dimensional thin layer plates] Gartzke J. J Chromatogr 57:163-4, 22 Apr 71 (Ger)
[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyánfy G, et al. Z Klin Chem Klin Biochem 9:117-22, Mar 71 (Ger)

METABOLISM

Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al. Acta Endocrinol (Kbh) 66:162-8, Jan 71
Effect of pH on the binding of thyroxine to serum proteins. Coutsoftides T, et al. Acta Endocrinol (Kbh) 65:409-22, Nov 70
Effects of oestrogens on serum thyroxine-binding globulin capacity and on the peripheral metabolism of thyroxine in patients with hepatic cirrhosis. Zaninovich AA, et al. Acta Endocrinol (Kbh) 67:73-84, May 71
Kinetic analysis of thyroxine outside thyroid with 131-I-tyroxine by aid of computer--with special reference to liver diseases. Yumoto Y, et al. Acta Med Okayama 24:457-70, Aug 70
Effect of bile on thyroxine absorption in the rat. Sinha KN, et al. Am J Physiol 220:253-6, Feb 71
Absence of triiodothyronine formation from thyroxine during the determination of the triiodothyronine concentration of human serum. Row VV, et al. Clin Chim Acta 31:473-6, Feb 71
Degradation of thyroxine by a thyroidal peroxidase. Dawber NA, et al. Endocrinology 88:144-8, Jan 71
Thyroxine metabolism and thyroid function in rats following administration of estrogen. Galton VA. Endocrinology 88:976-82, Apr 71
Evidence for a thyroxine deiodinating mechanism in the rat thyroid different from iodotyrosine deiodinase. Haibach H. Endocrinology 88:918-23, Apr 71
Formation of nondissociable hormone-protein complexes during the in vitro incubation of L-thyroxine and 3,5,3'-triiodo-L-thyronine with hepatic microsomes. Kozyreff V, et al. Endocrinology 89:749-55, Sep 71
Dissociation between thyroxine metabolism and hormonal action in phenobarbital-treated rats. Oppenheimer JH, et al. Endocrinology 88:115-9, Jan 71
Cellular and plasma protein determinants in the differential distribution and metabolism of D- and L-thyroxine in the rat. Shapiro HC, et al. Endocrinology 88:93-101, Jan 71
Thyroid activity of the ground squirrel (Citellus tridecemlineatus) using a cannula technique. Bauman TR, et al. Gen Comp Endocrinol 15:369-73, Dec 70
Relationship between total thyroxine and absolute free thyroxine and the influence of absolute free thyroxine on thyroxine disposal in humans. Hennemann G, et al. J Clin Endocrinol Metab 33:63-7, Jul 71
The extrathyroidal conversion rate of thyroxine to triiodothyronine in normal man. Pittman CS, et al. J Clin Invest 50:1187-96, Jun 71
Quantitation of extrathyroidal conversion of L-thyroxine to 3,5,3'-triiodo-L-thyronine in the rat. Schwartz HL, et al. J Clin Invest 50:1124-30, May 71
Alterations in thyroid hormone economy during acute infection with Diplococcus pneumoniae in the rhesus monkey. Woeber KA. J Clin Invest 50:378-87, Feb 71
Placental permeability to maternal thyroxine in the sheep. Hopkins PS, et al. J Endocrinol 49:549-50, Mar 71
Thyroxine binding to antithyroid antibodies: effects of altered metabolic status. Pogoriler G, et al. J Endocrinol 50:547-60, Aug 71
Studies on the uptake of 125-I-triiodo-L-thyronine and 14 C-L-thyroxine by Mexican axoloti tissues. Prahlad KV, et al. J Exp Zool 176:129-35, Feb 71
Model reactions for the metabolism of thyroxine. II. Reaction of thyropropionic acid with hydroxyl radical. Matsuura T, et al. J Org Chem 36:2016-7, 16 Jul 71
Passage of thyroxine across the placenta in the foetal sheep. Comline RS, et al. J Physiol (Lond) 207:3P-4P, Mar 70
The permanence of tissue binding of thyroxine in the rat. Harland WA, et al. J Physiol (Lond) 207:557-61, May 70
An examination of the extent of reversibility of thyroxine binding within the thyroxine distribution space in the rabbit. Nathanielsz PW. J Physiol (Lond) 212:447-54, Jan 71
The effect of diet and acute starvation on the deiodination of thyroxine and triiodothyronine in the thyroidectomized rat. Nathanielsz PW. J Physiol (Lond) 206:701-10, Mar 70
Changes in thyroxine utilization by the young growing lamb. Nathanielsz PW. J Physiol (Lond) 208:83P-85P, Jun 70
Thyroxine utilization in the new-born lamb. Nathanielsz PW. J Physiol (Lond) 211:157-71, Nov 70
Fate of perfused iodothyronines in rat thyroid. Haibach H. Metabolism 20:819-29, Sep 71
Transport mechanisms and thyroxine uptake in pineal slices. Cady P, et al. Neuroendocrinology 8:86-93, 1971
[Validity of determination of stable thyroxine and of T3-resin uptake in patients contaminated with iodine] Ergo Y, et al. Ann Endocrinol (Paris) 31:750-3, Jul-Aug 70 (Fre)
[D-thyroxine metabolism in hepatic insufficiency] Morgner KD, et al. Verh Dtsch Ges Inn Med 75:334-6, 1969 (Ger)
[Effect of thyroid secretion on the morphological structure of the small intestine and on the process of intestinal absorption] Ksiątkiewicz-Szapiro MD. Pol Arch Med Wewn 46:81-5, 1971 (26 ref.) (Pol)
[Thyroxine metabolism and urinary excretion of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

steroid hormones in girls during puberty] Riečanský I, et al. Cesk Pediatr 25:578-81, Dec 70 (Slo)

PHARMACODYNAMICS

Effects of prolonged thyroxine treatment on the thyroid-pituitary axis. Posner I, et al. Acta Cient Venez 21:71-6, 1970

Effect of antigammaglobulin-thyroxine complex on the urea excretion of tadpoles. Medda AK. Acta Endocrinol (Kbh) 66:648-52, Apr 71

Effect of thyroxine, reserpine and serotonin on allyl alcohol induced hepatotoxicity in rats. Srinivasan S, et al. Acta Pharmacol Toxicol (Kbh) 28:338-45, 1970

Action of some hormones on the collagenolytic activities of rat bone cells. Aer J. Ann Med Exp Biol Fenn 49:9-12, 1971

Effect of ethanol, thyrxine and fructose on the intracellular redox state of a perfused liver as studied by surface fluorometry. Hassinen IE, et al. Ann Med Exp Biol Fenn 48:176-83, 1970

The reduction of ferricytochrome c by pyridine coenzymes mediated by thyroid hormones and related compounds. Polacow I, et al. Arch Biochem Biophys 139:401-5, Aug 70

Hormonal influences upon ethylene glycol poisoning. Szablowska M, et al. Arch Environ Health 23:13-7, Jul 71

Submicroscopic effects of hormones on articular cartilage of adult mice. Silberberg R, et al. Arch Pathol 91:241-55, Mar 71

Hormonal control of heart function and myosin ATPase activity. Hjalmarson AC, et al. Biochem Biophys Res Commun 41:1584-9, 24 Dec 70

Influence of L-thyroxine on kynurenine 3-hydroxylase, monoamine oxidase, and rotenone-insensitive NADH-cytochrome c reductase in mitochondrial outer membrane. Okamoto H. Biochem Biophys Res Commun 43:827-33, 21 May 71

The effect of thyroxine in vitro on the specific activity of the mitochondrial pool of amino acid. Buchanan J, et al. Biochim Biophys Acta 222:536-9, 24 Nov 70

Aspartate aminotransferase in fat tissues: changes with growth and hormones. Herzfeld A, et al. Biochim Biophys Acta 237:88-96, 20 Apr 71

The effect of thyroid hormones on the action of some centrally acting drugs. Coville PF, et al. Br J Pharmacol 40:747-58, Dec 70

Effect of hypophysectomy on liver enzymes in the chicken, Gallus domesticus: replacement therapy with growth hormone and thyroxine. Chandrabose KA, et al. Comp Biochem Physiol 39:55-9, 15 May 71

Mechanism of thyroxine-induced increase in steroid delta4-reductase activity in male rats. Kato R, et al. Endocrinol Jap 17:215-9, Jun 70

An electron microscopic study of a transplantable thyrotropic pituitary tumor in mice. Ueda G. Endocrinol Jap 17:27-35, Feb 71

The relationship of mitochondrial swelling to thyroxine-stimulated mitochondrial protein synthesis. Buchanan J, et al. Endocrinology 87:993-9, Nov 70

Effect of inhibition of mitochondrial protein synthesis in vitro upon thyroxine stimulation of oxygen consumption. Buchanan JL, et al. Endocrinology 89:534-7, Aug 71

On the mechanism of the McKenzie bioassay. Florsheim WH, et al. Endocrinology 87:881-8, Nov 70

Effects of in vivo and in vitro administered thyroxine on substrate metabolism of isolated rabbit ventricle mitochondria. II. Characteristics of oxidative phosphorylation in mitochondria of euthyroid, hyperthyroid and thyrotoxic rabbits. Kimata SI, et al. Endocrinology 89:378-84, Aug 71

Mechanism of thyroxine action on erythropoiesis. Peschle C, et al. Endocrinology 89:609-12, Aug 71

Measurement of TSH in plasma and pituitary of the rat by a radioimmunoassay utilizing bovine TSH: effect of thyroidectomy or thyroxine administration on plasma TSH levels. Reichlin S, et al. Endocrinology 87:1022-31, Nov 70

Growth and liver glycerophosphate dehydrogenase response to thyroxine and p-chlorophenoxyisobutyrate. Richert DA, et al. Endocrinology 87:1274-81, Dec 70

Effects of in vivo and in vitro administered thyroxine on substrate metabolism of isolated rabbit ventricle mitochondria. I. Changes in substrate oxidation after a single thyroxine injection into euthyroid rabbits. Tarjan EM. Endocrinology 88:833-44, Apr 71

A bioassay for thyroxine based on rat kidney transamidinase activities. Van Pilsum JF, et al. Endocrinology 87:1237-44, Dec 70

Effect of thyroid status on intestinal alkaline phosphatase levels in the rat. Watson WC, et al. Endocrinology 88:1534-7, Jun 71

Interaction of hormones and blood proteins. Some theoretical considerations about the precipitation reaction of thyroxine. Hocman G. Endokrinologie 56:241-4, 1970

The effects of thyroxine on hepatic gluconeogenesis and ketogenesis in dairy cows. Heitzman RJ, et al. Eur J Biochem 21:411-5, 16 Aug 71

Autoradiographic studies on metabolism of DNA during thyroxine-induced tadpole metamorphosis. Paik WK, et al. Exp Cell Res 64:190-4, Jan 71

Cell death, thyroxine and the development of Rana temporaria larvae with special reference to the pronephros. Fox H. Exp Gerontol 6:173-7, Apr 71

Effects of thyroidectomy, neomercazole and thyroxine treatment on the hypothalamo-hypophysial neurosecretory system of Bufo andersonii Boulenger. Dixit VP, et al. Folia Biol (Krakow) 19:79-88, 1971

Iodine metabolism in normal, hypophysectomized, and thyrotropin-treated river lampreys, Lampetra fluviatilis (Gray) L. (Cyclostomata). Larsen LO, et al. Gen Comp Endocrinol 17:94-104, Aug 71

The effects of thyroxine on nitrogen metabolism in the leopard frog, Rana pipiens. McNabb RA. Gen Comp Endocrinol 13:430-8, Dec 69

Some effects of single doses of triiodothyronine and thyroxine in hypothyroid chicks. Raheja KL, et al. Gen Comp Endocrinol 16:97-104, Feb 71

Effect of thyroidectomy and administration of thyroxine on ovulation and spawning in vivo, in vitro and in transplantation in the skipper frog, Rana cyanophlyctis (Schn). Sarkar HB, et al. Gen Comp Endocrinol 16:594-8, Jun 71

Effects of oestradiol and thyroxine upon the plasma calcium content of a shark, Scyliorhinus canicula. Woodhead PM. Gen Comp Endocrinol 13:310-2, Oct 69

Radiocesium retention by rats as affected by L-thyroxine and propylthiouracil. Lengemann FW. Health Phys 19:551-6, Oct 70

Rate of antigen catabolism and immunogenicity of [131-I]BGG in mice. II. Immunogenicity of [131-I]BGG and adjuvant action after alteration of the metabolic rate by various means. Stark JM. Immunology 19:457-64, Sep 70

Effect of thyroid hormone on the substrate interaction with P-450 in the oxidation of drugs by liver microsomes. Kato R, et al. J Biochem (Tokyo) 68:603-12, Nov 70

Effects of thyroid hormone on the hydroxylation of progesterone in liver microsomes of male and female rats. Kato R, et al. J Biochem (Tokyo) 68:603-12, Nov 70

Thyroxine stimulation of protein synthesis in vitro in the absence of mitochondria. Carter WJ, et al. J Biol Chem 246:4973-7, Aug 71

Bone metabolism. The acute effects of hormones, vitamin D3, and acidosis during in vivo perfusion ff adult dog forelimbs. Van Nguyen V, et al. J Bone Joint Surg [Am] 52:1041-9, Jul 70

Ultrastructural studies on red blood cells from thyroxin-treated Rana catesbeiana tadpoles. Vankin GL, et al. J Cell Biol 47:767-72, Dec 70

Mechanism of action of thyroid hormones on erythrocyte 2,3-diphosphoglyceric acid synthesis. Snyder LM, et al. J Clin Invest 49:1993-8, Nov 70

Effect of thyroactive materials upon plasma corticoids, pituitary prolactin, and mammary oxidative phosphorylation of lactating rats. Sinha YN, et al. J Dairy Sci 53:1077-82, Aug 70

Age factor in the induced metamorphosis of thyroidectomized tadpoles. Hsü CY, et al. J Embryol Exp Morphol 25:331-8, Jun 71

The androgenic response of the genital accessory organs of thyroxine-treated and castrated rats exposed to cold. Das RP, et al. J Endocrinol 49:591-8, Apr 71

The effects of thyrotrophic hormone and of thyroxine on the response of the sebaceous glands of the rat to testosterone. Ebling FJ, et al. J Endocrinol 48:83-90, Sep 70

Prolactin--thyroid interaction in the newt, Diemictylus viridescens. Gona AG, et al. J Endocrinol 48:585-90, Dec 70

The effect of thyroid hormones on nuclear membrane morphology. Nicholls SE, et al. J Endocrinol 48:58-9, Dec 70

The tRNA methylases during thyroxine-induced differentiation in bull frog tadpoles. Pillinger DJ, et al. J Endocrinol 49:547-8, Mar 71

Delayed vaginal opening in the rat following pharmacologic doses of T4 administered during the neonatal period. Gellert RJ, et al. J Lab Clin Med 77:410-6, Mar 71

The mechanism of endocrine influences on erythropoiesis. Peschle C, et al. J Lab Clin Med 78:20-9, Jul 71

Conditioning of catatoxic steroid actions by the thyroid. Selye H. J Med (Basel) 1:43-55, 1970

The effect of some sedating agents on calorigenesis and its responses to 2,4-dinitrophenol and L-thyroxine in rats. Petraitis FP, et al. J Pharmacol Exp Ther 177:514-9, Jun 71

The development of the metabolic response to thyroxine in the new-born pig. Kaciuba-Uscilko H, et al. J Physiol (Lond) 206:229-41, Jan 70

Neuroendocrine control of the pituitary TSH secretion. I. Effect of TRF and thyroxine on thyrotropin release from rat pituitary in organ culture. Tanaka I, et al. Kobe J Med Sci 16:79-85, Jun 70

Catecholamines: diminished rate of synth- esis in rat brain and heart after thyroxine pretreatment. Prange AJ Jr, et al. Life Sci [I] 9:901-7, 15 Aug 70

Ethanol-induced changes in hepatic alpha-glycerophosphate and triglyceride concentrations in normal and thyroxine-treated rats. Ylikahri RH. Metabolism 19:1036-45, Dec 70

Metabolic interactions of fructose and ethanol in perfused liver of normal and thyroxine-treated rats. Ylikahri RH, et al. Metabolism 20:555-67, Jun 71

Stimulation of articular cartilage of young adult mice by hormones. Silberberg R, et al. Pathol Microbiol (Basel) 37:23-36, 1971

Effect of thyroxine and TSH on the activity of certain enzymes of striated muscle and myocardium. Wajdowicz A. Pol Med J 10:117-9, 1971

Effect of reserpine on the increase in myocardial adenyl cyclase activity produced by thyroid hormone. Klein I, et al. Proc Soc Exp Biol Med 137:366-9, May 71

Effect of thyroxine on RNA synthesis of rat uterus. Miura S, et al. Proc Soc Exp Biol Med 136:487-90, Feb 71

Effects of thyroxine and cold-acclimation on hepatic fatty acid metabolism in the hamster. Patton JF, et al. Proc Soc Exp Biol Med 137:196-201, May 71

Interrelationships of thyroxine, citrate, and renal calcification in the magnesium-deficient rat. Reeves PG, et al. Proc Soc Exp Biol Med 137:1104-9, Jul 71

Cultured thyroid cells respond to exogenous thyroxine. Siegel E. Proc Soc Exp Biol Med 137:1016-8, Jul 71

Hormonal control of lymphatic tissue development in Snell-Bagg dwarf mice. Baroni C, et al. Progr Immunobiol Stand 4:474-6, 1970

Light and electron microscopic study on thyroxine-induced in vitro resorption of the tadpole tail fin. Gona AG. Z Zellforsch Mikrosk Anat 95:483-94, 1969

[Thyroxine-calcitonin interaction. Study in the iodine-deficient rat] Collignon G, et al. C R Acad Sci [D] (Paris) 271:1552-5, 28 Oct 70 (Fre)

[Influence of hypothyroidism and thyroxine on the development of dendritic thorns of Purkinje cells in the cerebellum of the young rat] Legrand J, et al. C R Acad Sci [D] (Paris) 271:1199-202, 5 Oct 70 (Fre)

[Normalized metamorphosis achieved by adrenocorticotropic hormone in hypophysectomized and thyroxined Alytes tadpoles] Rémy C, et al. C R Acad Sci [D] (Paris) 272:455-8, 18 Jan 71 (Fre)

[Effects of radiothyroidectomy and to thyroid hormone injections on the beginning of hibernation of the European hamster (Cricetus cricetus)] Canguilhem B. C R Soc Biol (Paris) 164:1366-9, 1970 (Fre)

[New data on the mechanism of reaction of thyroid homografts to thyroxine in thyroidectomised guinea pigs. Demonstration of hormonal dependency of these grafts] Fabre M, et al. C R Soc Biol (Paris) 164:1356-9, 1970 (Fre)

[A hypoglycemic effect of thyroxine in the carp, Cyprinus carpio L] Murat JC, et al. C R Soc Biol (Paris) 164:1842-5, 1970 (Fre)

[Synthesis and biological activities of thyroxine derivatives and adrenergic drugs. XIV. Growth and hepatic RNA polymerase of the thyroidectomized rat treated chronically with thyroid hormones, and effects of adrenaline on basal metabolism] Michel R, et al. Gen Comp Endocrinol 15:303-12, Oct 70 (Fre)

[Influence of thyroid secretions on the transmembranous electric activity of the pangolin heart (Manis tricuspis Rafinesque)] Kreher P, et al. J Physiol (Paris) 62:Suppl 3:396-7, 1970 (Fre)

[Seasonal variations of the thyroxine effect on carp glucide metabolism] Murat JC, et al. J Physiol (Paris) 63:80A, Mar-Apr 71 (Fre)

[Hypoglycemic action of thyroxine in the golden hamster] Sicart R, et al. J Physiol (Paris) 63:95A-96A, Mar-Apr 71 (Fre)

[Tissue catalase activity in acute physical exertion in rats and guinea pigs treated with DL-thyroxine] Ardeleanu A, et al. Rev Roum Physiol 8:87-92, 1971 (Fre)

[Vasoactive agents. 48] Richter J, et al. Pharm Prax 12:265-6, 1970 (35 ref.) (Ger)

[Autoradiographic studies of the early effect of thyroxine on RNA synthesis in the brain of Xenopus larvae] Stadler H, et al. Rev Suisse Zool 77:587-96, Sep 70 (Ger)

[Autoradiographic study on the early effects of thyroxine on RNA-synthesis in various tissues of Xenopus-larvae] Stadler H. Z Zellforsch Mikrosk Anat 117:118-38, 1971 (Ger)

[On the effect of reserpine and thyroxine on the metabolism of the mammary gland during pregnancy and in the early puerperium] Riva G, et al. Atti Accad Med Lomb 23:216-20, Apr-Jun 68 (Ita)

[Effect of thyroxine on thyroid changes caused by neonatal treatment with reserpine] Colombo L, et al. Boll Soc Ital Biol Sper 46:796-9, 15 Oct 70 (Ita)

[Experimental studies on the effects of thyroid hormones on the regulation of pituitary TSH secretion and its mechanism] Fukatsu H. Folia Endocrinol Jap 47:236-45, 20 Jul 71 (Jap)

[Effects of environmental temperature, tubocurarine and pentobarbital on oxygen consumption in thyroidectomized and thyroxine treated rats] Kurahashi M. Folia Endocrinol Jap 46:796-9, 20 Oct 70 (Jap)

[Effects of pentobarbital and dinitrophenol on oxygen consumption in thyroidectomized and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thyroxine-treated rats] Kurahashi M.
Folia Endocrinol Jap 46:800-3, 20 Oct 70 (Jap)
[Effect of thyroxine administration on oxygen consumption and nitrogen metabolism in rats] Kurahashi M. J Physiol Soc Jap 32:521-4, Aug 70 (Jap)
[Effect of thyroxine on the perfusion of the isolated rat kidney after noradrenaline administration and upon the metabolism of noradrenaline--14C] Janiec W, et al. Endokrynol Pol 22:55-60, Jan-Feb 71 (Pol)
[Histochemical changes in rat's liver after simultaneous administration of thyroxine and methimazole or thyroxine and reserpine] Kubacki J, et al. Endokrynol Pol 21:531-5, Sep-Oct 70 (Pol)
[Effect of thyroxine on serum ribonuclease activity after castration] Maiolepszy E, et al. Endokrynol Pol 21:527-30, Sep-Oct 70 (Pol)
[Effect of thyrosin, stilbestrol and their hormono-cytostatic derivatives on human thyroid cancer cultures in vitro] Zimel H, et al. Stud Cercet Endocrinol 22:123-7, 1971 (Rum)
[Free radicals in liver and brain tissue of white rats following injection of varying doses of thyroxine and at different periods after thyroidectomy] Azhipa IaI, et al. Biofizika 15:1056-64, Nov-Dec 70 (Rus)
[Respiration, phosphorylation and structure of rat liver mitochondria under the influence of thyroxine in vivo and in vitro] Turakulov IaKh, et al. Biokhimiia 35:349-55, Mar-Apr 70 (Rus)
[Effect of thyroxine on aspartate aminotransferase and malate dehydrogenase activity in guinea pig myocardium] Kryshkova AM, et al. Biull Eksp Biol Med 70:56-7, Nov 70 (Rus)
[The effect of thyroxine and methylthiouracil on the gonadotropic reaction and ability of androgen to stimulate regeneration of cocks' combs] Vunder PA, et al. Biull Eksp Biol Med 68:93-6, Aug 69 (Rus)
[The effect of thyroid hormones introduced into the posterior hypothalamic nucleus on conditioned reflex activity] Amiragova MG, et al. Dokl Akad Nauk SSSR 191:720-2, 1970 (Rus)
[Effect of thyroxine in vitro on the structure and function of thyroid gland and liver mitochondria] Turakulov IaKh, et al. Dokl Akad Nauk SSSR 195:740-2, 1970 (Rus)
[Effect of thyroxine on the heparin content in vessels of various organs and on the activity of adipose tissue cells] Kirichuk VF. Fiziol Zh SSSR 57:606-12, Apr 71 (Rus)
[Effect of thyroxine on the activity of some enzymes involved in carbohydrate and amino acid metabolism of guinea pig liver] Angelov AM, et al. Vopr Med Khim 17:165-9, Mar-Apr 71 (Rus)

PHYSIOLOGY

Seasonal changes of pelage in the vole (Microtus agrestis). 3. The role of the endocrine system. al-Khateeb A, et al. Gen Comp Endocrinol 16:236-40, Apr 71
[Iodinated thyroid hormones and phosphocalcic metabolism] Bénichou C, et al. Sem Hop Paris 47:1625-9, 26 May 71 (Fre)
[Reltionship between thyrotropin releasing factor (TRF) and thyroid hormone] Fukuda T. Folia Endocrinol Jap 46:1169-79, 20 Mar 71 (Jap)

SECRETION

A simple clinical method for estimating thyroxine secretion rate. Harland WA, et al. Acta Endocrinol (Kbh) 66:131-6, Jan 71
Maternal and fetal thyroxine secretion during pregnancy in the sheep. Dussault JH, et al. Endocrinology 88:47-51, Jan 71
Estimation of the rate of release of non-thyroxine iodine from the thyroid glands of normal subjects and patients with thyrotoxicosis. Wartofsky L, et al. J Clin Endocrinol Metab 33:468-500, Sep 71
Alterations in thyroid hormone economy in patients with hydatidiform mole. Galton VA, et al. J Clin Invest 50:1345-54, Jun 71
A new technique for thyroxine secretion rate demonstrating the effect of phenobarbitone in rats. Gillespie FC, et al. J Physiol (Lond) 211:Suppl:45P+, Dec 70
Thyroid and adrenal function in prematurely weaned rats. Macho L, et al. Physiol Bohemoslov 19:77-82, 1970

THERAPEUTIC USE

Clinical and laboratory response to different thyroid substitution medications. Schoen HC, et al. Am J Med Sci 260:299-307, Nov 70
Combined triiodothyronine and thyroxine. Smith RN, et al. Br Med J 1:50, 2 Jan 71
Controlled clinical trial of combined triiodothyronine and thyroxine in the treatment of hypothyroidism. Smith RN, et al. Br Med J 4:145-8, 17 Oct 70
Therapeutic effectiveness of synthetic thyroxine-triiodothyronine mixtures. Degroot LJ, et al. Curr Ther Res 13:234-9, Apr 71
The uses of thyroxine and liothyronine. Drug Ther Bull 8:75-6, 11 Sep 70
The response to exercise before and after treatment of myxedema with thyroxine. Burack R, et al. J Pharmacol Exp Ther 176:212-9, Jan 71
[Treatment of endemic goiter with L-thyroxine] Schnorrenberg G. Med Klin 65:1167-9, 12 Jun 70 (Ger)
[Therapy of thyroid gland diseases. A. Therapy of hypothyroidism and hypothyroid coma] Grebe SF, et al. Med Welt 22:908-11, 29 May 71 (Ger)
[Thyroxine therapy in chronic renal insufficiency] Straub E, et al. Monatsschr Kinderheilkd 119:213-8, Jun 71 (Ger)
[Conservative treatment of goiter from a surgical viewpoint] Keminger K. Wien Med Wochenschr 121:158-60, 27 Feb 71 (Ger)
[Effect of thyroxine on the course of acute renal failure. I. Effect of L-thyroxine treatment upon the mortality of rabbits and mice with manifest acute renal failure (model of so-called mercury-nephrosis)] Straub E. Z Gesamte Exp Med 154:177-86, 1971 (Ger)
[Effect of thyroxine on the course of acute renal failure. II. Effect of L-thyroxine administration on plasma level and kidney excretion of various substances in rabbits presenting acute kidney failure (studies using the so-called sublimate nephrosis model)] Straub E. Z Gesamte Exp Med 155:32-55, 1971 (Ger)
[Effect of thyroxine on the course of acute kidney failure. 3. Effect of L-thyroxine administration on glomerular filtration rate, effective renal plasma flow and tubular secretory and reabsorption capacity in rabbits with toxic renal damage (Studies using the model of the so-called sublimate nephrosis)] Straub E. Z Gesamte Exp Med 155:56-73, 1971 (Ger)
[The effect of thyroxin on posterior limb bone development in brachypodism-H mouse mutant strain embryos] Koniukhov BV, et al. Biull Eksp Biol Med 63:125-9, Nov 67 (Rus)
[Effect of 6-methylthiouracil and L-thyroxine on prolongation of the life of rats following inoculation with cerebellar glioblastoma multiforme] Spryshkova NA. Biull Eksp Biol Med 70:70-2, Dec 70 (Rus)
[The effect of hormones and actinomycin on tumor cell multiplication in in vitro experiments] Spitsa AI, et al. Vopr Onkol 17:80-4, 1971 (Rus)

TOXICITY

The effect of thyroactive substances on the induction of cervico-vaginal and vulval tumours in castrate rats at various levels of carcinogenic treatment. Glucksmann A, et al. Br J Cancer 24:769-84, Dec 70

URINE

[Renal loss of thyroxine in nephrotic syndrome] Börner E, et al. Klin Wochenschr 48:1320-2, 15 Nov 70 (Ger)
[On the thyroid hormone depletion syndrome caused by urinary loss of thyroxine during nephrotic syndrome] Boerner E. G Clin Med 51:827-9, Nov 70 (Ita)

THYROXINE-BINDING PROTEIN (D10)

see also related
PROTEIN-BOUND IODINE TEST (E1)

Thyroxine-binding globulin deficiency in three families, and total deficiency in a normal woman. Nusynowitz ML, et al. Am J Med 50:458-64, Apr 71
Thyroid hormone binding proteins and acute psychiatric illness. Strassman HD, et al. Behav Neuropsychiatry 3:22-4, Apr-May 71
Correlation between results of a new T-3 test and the percentage of free thyroxine in serum. Leonards JR. Clin Chem 16:922-4, Nov 70
Thyroxine-protein interactions. VII. Effect of thyroxine analogs on the binding of 125-I-thyroxine to highly purified human thyroxine-binding globulin. Hao YL, et al. Endocrinology 88:81-92, Jan 71
Effect of peptide derivatives of thyroxine on the binding of 125-I-thyroxine to purified human thyroxine-binding globulin. Tabachnick M, et al. Endocrinology 89:606-9, Aug 71
Thermal stability of serum thyroxine-binding proteins. Takemura Y, et al. J Clin Endocrinol Metab 32:222-4, Feb 71
Thyroid overactivity and TBG deficiency simulating "T3 hyperthyroidism". Wahner HW, et al. J Clin Endocrinol Metab 33:93-7, Jul 71
Evaluation of the resin strip technique for determining serum T3 binding capacity and serum thyroxine. Brookeman VA, et al. J Nucl Med 12:55-60, Feb 71
Serum-thyroxine and thyroxine-binding globulin in seriously ill patients. Harvey RF. Lancet 1:208-12, 30 Jan 71
Adenohypophysial growth after oestrogens in rats: binding of 125-I-thyroxine by adenohypophysial proteins. Schreiber V, et al. Physiol Bohemoslov 19:501-9, 1970
[Binding of rat serum protein and thyroxine] Hioki N, et al. Clin Endocrinol (Tokyo) 19:142-6, Feb 71 (Jap)
[Effect of salicylic acid, 2,4-dinitrophenol or thiocyanate on thyroxine-binding of TBPA] Shimizu T, et al. Folia Endocrinol Jap 47:298-300, 20 Aug 71 (Jap)
[Family with thyroxine-binding ciobulin deficiency] Tamura T, et al. Naika 28:345-8, 1971 (Jap)
[Thyroxin-binding globulin in postoperative recurrent goiter] Iaroslavtsev SA. Klin Khir 12:56-8, Dec 70 (Rus)

ANALYSIS

Plasma thyroxine and thyroid-stimulating hormone levels during submaximal exercise in humans. Terjung RL, et al. Am J Physiol 220:1840-5, Jun 71
Growth retardation and thyroxine-binding globulin deficiency. Penfold JL, et al. Arch Dis Child 46:115-7, Feb 71
The partial structure of human plasma prealbumin and retinol-binding protein. Morgan FJ, et al. Biochim Biophys Acta 236:798-801, 29 Jun 71
Effect of thyrotrophin on the thyroxine-binding capacity of plasma proteins. Bános C, et al. Endokrinologie 57:395-9, 1971
Interaction of hormones and blood proteins. Some theoretical considerations about the precipitation reaction of thyroxine. Hocman G. Endokrinologie 56:241-4, 1970
Effects of anabolic steroids on hormone-binding proteins, serum cortisol and serum nonprotein-bound cortisol. Barbosa J, et al. J Clin Endocrinol Metab 32:232-40, Feb 71
Immunochemical studies on serum lacking in thyroxine-binding globulin. Hamada S, et al. J Clin Endocrinol Metab 33:326-31, Aug 71
Radioimmunoassay of human thyroxine-binding globulin (TBG). Levy RP, et al. J Clin Endocrinol Metab 32:372-81, Mar 71
Changes in triiodothyronine kinetics produced by variations of serum thyroxine-binding globulin capacity in subjects without thyroxine. Zaninovich AA, et al. J Clin Endocrinol Metab 32:509-14, Apr 71
[Simultaneous determination of thyroid hormones and protein bound iodine (PBI)] Henry JC, et al. Ann Biol Clin (Paris) 28:265-8, 1970 (Fre)
[Secondary subacute thyroiditis] Szántó L. Z Gesamte Inn Med 26:Suppl:103-5, 1 Jan 69 (Ger)
[Fractionation of thyroid hormone binding protein by polyacrylamide (PAA)-ultramacro-gel electrophoresis] Hioki N, et al. Clin Endocrinol (Tokyo) 18:925-30, Nov 70 (Jap)
[Comparison of Triosorb, T-3 and Tetrasorb T-4 and the clinical effectivity of the value of T-7] Senda H, et al. Clin Endocrinol (Tokyo) 18:941-6, Nov 70 (Jap)

BLOOD

Serum thyroxine resin uptake of liothyronine I 125, and free thyroxine index. Sarin RK, et al. Arch Intern Med 126:631-4, Oct 70
The three thyroxine-binding proteins in rat serum: binding capacities and effects of binding inhibitors. Davis PJ, et al. Endocrinology 87:978-86, Nov 70
X-chromosome linked inheritance of elevated thyroxine-binding globulin in association with goiter. Shane SR, et al. J Clin Endocrinol Metab 32:587-94, May 71
[Improved thyroid function tests with combined in vitro testing] Brase A. Med Klin 66:604-8, 16 Apr 71 (Ger)
[In vitro binding of T3 with serum protein in various thyroid diseases] Shiomi K. Folia Endocrinol Jap 47:69-83, 20 Apr 71 (Jap)
[Family with hereditary syndrome of increased thyroxine-binding globulin] Shishiba Y, et al. Folia Endocrinol Jap 46:1002-4, 20 Dec 70 (Jap)
[Experimental studies on the determination of thyroxine-binding protein capacities by cellulose-acetate electrophoresis] Sato S, et al. Jap J Clin Pathol 18:715-8, Oct 70 (Jap)

CEREBROSPINAL FLUID

The binding capacity of thyroxine-binding globulin in cerebrospinal fluid. Siersbaek-Nielsen K, et al. Acta Endocrinol (Kbh) 67:616-24, Jul 71

METABOLISM

Thyroxine binding of plasma proteins in auto-immune thyroiditis. Bános C, et al. Acta Endocrinol (Kbh) 66:162-8, Jan 71
Effect of pH on the binding of thyroxine to serum proteins. Coutsoftides T, et al. Acta Endocrinol (Kbh) 65:409-22, Nov 70
Effects of oestrogens on serum thyroxine-binding globulin capacity and on the peripheral metabolism of thyroxine in patients with hepatic cirrhosis. Zaninovich AA, et al. Acta Endocrinol (Kbh) 67:73-84, May 71
Thyroxine binding to soluble proteins in rat liver and its sex dependence. Spaulding SW, et al. Biochim Biophys Acta 229:279-83, 19 Jan 71
Relationship between total thyroxine and absolute free thyroxine and the influence of absolute free

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

thyroxine on thyroxine disposal in humans. Hennemann G, et al.
J Clin Endocrinol Metab 33:63-7, Jul 71
An examination of the extent of reversibility of thyroxine binding within the thyroxine distribution space in the rabbit. Nathanielsz PW.
J Physiol (Lond) 212:447-54, Jan 71
[Iodine metabolism in chronic thyroiditis. 2. Studies on the iodinated albumin-like proteins in the serum and the thyroid tissue in chronic thyroiditis] Morita R.
Folia Endocrinol Jap 46:1097-108, 20 Jan 71 (Jap)

TIBIA (A2)

The periosteal counterpart of benign osteoblastoma. Goldman RL. Am J Clin Pathol 56:73-8, Jul 71
Bone sarcoma: treatment by irradiation, amputation, or a combination of the two. Sweetnam R, et al.
Br Med J 2:363-7, 15 May 71
Benign chondroblastoma of tibia. Srivastava VK, et al.
Indian J Cancer 7:147-50, Jun 70
Influence of physical activity on ligament insertions in the knees of dogs. Laros GS, et al.
J Bone Joint Surg [Am] 53:275-86, Mar 71
Osteosarcoma developing in solitary enchondroma of the tibia. Rockwell MA, et al.
J Bone Joint Surg [Am] 53:341-4, Mar 71
The intra-articular deformity in osteochondrosis deformans tibiae. Siffert RS, et al.
J Bone Joint Surg [Am] 52:800-4, Jun 70
Relationship of bone remodeling, oxygen consumption, and blood flow in bone. Sim FH, et al.
J Bone Joint Surg [Am] 52:1377-89, Oct 70
Osteogenic sarcoma in childhood. Marcove RC, et al.
NY State J Med 71:855-9, 15 Apr 71
Bilateral symmetrical pseudarthrosis in a newborn. Berkshire SB Jr, et al. Radiology 97:389-90, Nov 70
Isolated bone perfusion. Deysine M, et al.
Surg Gynecol Obstet 132:204-6, Feb 71
[Case of aseptic necrosis of the proximal tibial epiphysis] Baets H de.
J Belge Rhumatol Med Phys 24:290-4, 1969 (Dut)
[Congenital tibial pseudarthrosis] Moyson F.
Acta Chir Belg 69:703-9, Nov 70 (Fre)
[Unusual osseous manifestations of lymphoblastic sarcoma of the cavum] Reboul J, et al.
J Radiol Electrol Med Nucl 50:336-8, May 69 (Fre)
[Para-osseous lipoma] Bombart M, et al.
Rev Chir Orthop 56:563-70, Sep 70 (Fre)
[Parathyphoid osteitis caused by Salmonella cholerae suis Kunzendorf] Dosen M, et al.
Rev Chir Orthop 57:Suppl 1:289+, 1971 (Fre)
[Nonosteogenic fibroma of the lower extremity of the tibia in children and adolescents: 5 cases and review of the literature] Rigault P, et al.
Rev Chir Orthop 55:533-41, Sep 69 (Fre)
[Human tibia under bending load] Ehler E, et al.
Beitr Orthop Traumatol 17:291-304, 1970 (Ger)
[Malignant degeneration of fibrous bone dysplasia] Gimes B, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:211-5, Aug 70 (Ger)
[On the localization of Sr-85 and of radiofibrinogen-I 131 in osseous neoplasms. (Considerations on 2 cases studied with biopsy)] Scoccianti P.
Arch Putti Chir Organi Mov 25:96-101, 1970 (Ita)
[Epiphysial osteitis with tumor-like radiographic appearance] Campanacci M, et al.
Chir Organi Mov 58:93-9, 1969 (Ita)
[Adamantinoma of the long bones] Campanacci M, et al.
Chir Organi Mov 58:385-94, 1970 (Ita)
[Benign myeloplastic tumor of bone. Ultrastructural study] De Marchi E, et al.
Chir Organi Mov 58:369-84, 1970 (Ita)
[Treatment of femoral subcondylar pseudoarthrosis by means of a plaque shaped femoro-tibial] Giunti A, et al. Chir Organi Mov 58:100-7, 1969 (Ita)
[Epiphysial hemi-resection in some cases of myeloplexic tumors] Cornacchia M.
Minerva Ortop 21:196-7, Mar 70 (Ita)
[Giant-cell sarcoma recurring after excision and grafting, treated by osteoplastic excision according to Juvara's technic] Ricciardi L.
Minerva Ortop 20:421-8, Sep 69 (Ita)
[On a case of fibroma of the tibia] Thovez G, et al.
Minerva Ortop 21:513-8, Aug-Sep 70 (Ita)
[Special form of varus curvature of the proximal end of the tibia] Alezin' AP.
Ortop Travmatol Protez 32:53-6, Feb 71 (Rus)
[Diagnosis and treatment of injuries to the tibiofibular syndesmosis] Mishko RV.
Ortop Travmatol Protez 32:63-9, Feb 71 (Rus)
[Significance of several signs of compensation and decompensation in the disability evaluation of crural pseudarthrosis] Smetanin IF.
Ortop Travmatol Protez 32:73-6, Feb 71 (Rus)
[Pseudarthrosis of the crural bones and their treatment] Skoblin AP, et al.
Vestn Khir 103:90-3, Aug 69 (Rus)
[Tibial neoplasms] Červeňanský J, et al.
Bratisl Lek Listy 54:547-59, Nov 70 (Slo)

ABNORMALITIES

Bilateral aplasia of the tibia, polydactyly and absent thumb in father and daughter. Pashayan H, et al.
J Bone Joint Surg [Br] 53:495-9, Aug 71
Congenital defects of the tibia in siblings with neurofibromatosis. Wellwood JM, et al.
J Bone Joint Surg [Br] 53:314-9, May 71
Congenital bowing of the long bones. Bailey RR.
Lancet 2:157-8, 17 Jul 71
Syndrome of multiple osseous defects with pretibial dimples. Gardner LI, et al. Lancet 2:98, 10 Jul 71
Pierre Robin syndrome in association with combined congenital lengthening and shortening of the long bones. Case report. Walden RH, et al.
Plast Reconstr Surg 48:80-2, Jul 71
[Hyperdactylia with tibial aplasia: a rare hereditary syndrome] Klein D, et al.
Arch Julius Klaus Stift Vererbungsforsch 43:Suppl:92-102, 1968 (Fre)
[Further experiences in the treatment of Crus curvatum congenitum and congenital lower leg pseudarthrosis using AO instruments] Witt AN, et al.
Arch Orthop Unfallchir 68:230-42, 15 Sep 70 (Ger)
[The congenital scoliosclerosis of the tibia (Crus curvatum congenitum)] Witzel K.
Monatsschr Kinderheilkd 117:539-42, Aug 69 (Ger)
[Elements of orthopedics of pediatric interest. 3. After the beginning of walking: the lower extremities] Pastorini M, et al.
Riv Clin Pediatr 82:208-14, Oct-Dec 69 (Ita)
[Elements of orthopedics of pediatric interest. I. 1st year of life: the lower extremities] Pastorini M, et al.
Riv Clin Pediatr 82:196-201, Oct-Dec 69 (Ita)
[Bloodless treatment of congenital pseudarthrosis of the crus with simultaneous elimination of shortening using dosed distraction] Ilizarov GA, et al.
Ortop Travmatol Protez 32:42-6, Feb 71 (Rus)

ANATOMY & HISTOLOGY

Relations between the fatigue life and histology of adult human cortical bone. Evans FG, et al.
J Bone Joint Surg [Am] 52:1579-86, Dec 70
[Experimental studies on the fracture resistance of the human tibia] Asang E, et al.
Monatsschr Unfallheilkd 72:336-44, Aug 69 (Ger)

BLOOD SUPPLY

Anterior tibial compartment syndrome complicating femoral embolectomy. Ransford AO, et al.
Can J Surg 14:231-4, May 71
Blood flow in canine tibial diaphysis estimated by iodoantipyrine- 125 I washout. Kelly PJ, et al.
J Appl Physiol 31:38-47, Jul 71
Intracortical circulation after intramedullary reaming with reduction of pressure in the medullary cavity. Danckwardt-Lillieström G, et al.
J Bone Joint Surg [Am] 52:1390-4, Oct 70
Arteriography of the nutrient artery and blood flow of the canine tibia. Ksto F, et al.
J Bone Joint Surg [Am] 52:1373-6, Oct 70
Congenital arteriovenous fistula within the tibia. Report of a case. Walker G.
J Bone Joint Surg [Br] 53:108-12, Feb 71
Technique of femorotibial bypass. Tyson RR, et al.
Surgery 68:730-6, Oct 70
[The tibialis-anterior syndrome and its misinterpretation as an inflammatory lower leg dermatosis] Meiers HG.
Dtsch Med Wochenschr 96:1357-9 passim, 20 Aug 71 (Ger)

DRUG EFFECTS

Ultrastructural effects of estrogen on epiphyseal cartilage. Fahmy A, et al.
Calcif Tissue Res 7:139-49, 1971
Mid-diaphyseal bone turnover during and after vitamin A toxicosis in kittens. A fluorescent labelling and microradiographic study. Clark L.
J Comp Pathol 81:365-71, Jul 71

EMBRYOLOGY

[Development of the human supporting component with special reference to the femur and tibia of Japanese fetuses] Nakayama H.
J Jap Orthop Assoc 44:503-24, Jul 70 (Jap)

ENZYMOLOGY

Distribution of four hydrolases in the epiphyseal plate. Granda JL, et al. Clin Orthop 74:269-72, Jan 71

GROWTH & DEVELOPMENT

Study of cell multiplication in the cartilaginous upper end of the tibia of the domestic fowl by tritiated thymidine autoradiography. Lutfi AM.
Acta Anat (Basel) 76:454-63, 1970
Observations of rat tibial articular cartilage during maturation. Durkin JF, et al.
Arch Oral Biol 16:827-9, Jul 71
Ossification of the upper end of the tibia--age of appearance and age of fusion with diaphysis. Khanna KK, et al. Indian J Med Sci 24:509-14, Aug 70
Effects of an anabolic steroid on the body and bone growth of rats fed with different levels of casein. Diloksambandh V. J Med Assoc Thai 53:769-87, Nov 70
[Morphometric studies on the effect of cortisol on the growth cartilage of the rat] Mannhart H.
Acta Anat (Basel) 76:250-62, 1970 (Ger)

INJURIES

[Traumatic subluxation and irreducible luxation of the crus] Romanchuk IA.
Ortop Travmatol Protez 32:49-53, Feb 71 (Rus)

METABOLISM

Collagen and mineral accretion rates in bone during vitamin A deficiency. Firschein HE.
Am J Physiol 219:1183-7, Nov 70
35S-sulphate uptake by the growing tibia in the domestic fowl. Lutfi AM. J Anat 107:567-76, Nov 70
Effect of zinc deficiency on sulfur-35 and hexosamine metabolism in the epiphyseal plate and primary spongiosa of the chick. Nielsen FH, et al.
J Nutr 100:903-7, Aug 70
The distribution of 65Zn in the endochondral growth sites of the mandibular condyle and the proximal end of the tibia in young rats. An autoradiographic and gamma scintillation study. Bergman B.
Odontol Revy 21:261-74, 1970
Ascorbic acid and the calcium metabolism of embryonic chick tibias. Ramp WK, et al.
Proc Soc Exp Biol Med 137:273-6, May 71
Comparative kinetics of calcium and fluoride in rabbit bone. Costeas A, et al. Radiat Res 46:317-33, May 71

PATHOLOGY

Histopathologic observations in five cases of congenital tibial pseudarthrosis. Kéry L.
Acta Chir Acad Sci Hung 11:127-32, 1970
Anterior tibial compartment syndrome complicating femoral embolectomy. Ransford AO, et al.
Can J Surg 14:231-4, May 71
Benign chondroblastoma of bone. Report of a case of malignant transformation. Sirsat MV, et al.
J Bone Joint Surg [Br] 52:741-5, Nov 70
[Difficulties and possible errors in the diagnosis of giant cell tumors] Il'in IM.
Klin Khir 1:53-4, Jan 70 (Rus)

PHYSIOLOGY

Bone strain in the tibia during normal quadrupedal locomotion. Lanyon LE, et al.
Acta Orthop Scand 41:238-48, 1970
[Resistance tests on the bent human tibia] Ehler EM PFAU H, et al. Anat Anz 127:531-9, 1970 (Ger)
[Experimental studies on the fracture resistance of the human tibia] Asang E, et al.
Monatsschr Unfallheilkd 72:336-44, Aug 69 (Ger)

PHYSIOPATHOLOGY

[Compensatory processes in pseudoarthrosis of the lower extremity] Dolchuk NZ, et al.
Ortop Travmatol Protez 31:41-5, Jul 70 (Rus)

RADIATION EFFECTS

Radiation effects on the bone growth and effects of salivary gland hormone (parotin) on irradiated bone tissues. Iwasaki Z. Nippon Acta Radiol 31:78-94, Apr 71

RADIOGRAPHY

A case of osteogenic sarcoma invading a paired bone. Mookherjee PK. Br J Radiol 44:393-5, May 71
[Solitary tibial adamantinoma] Crehalet YL, et al.
J Radiol Electrol Med Nucl 50:517-8, Jul-Aug 69 (Fre)
[Circumscribed osteoporosis of the long bones in the course of Paget's disease] Ravault PP, et al.
J Radiol Electrol Med Nucl 51:499-502, Aug-Sep 70 (Fre)
[Osseous schwannoma of the tibia] Trinez G, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:407+, May 69 (Fre)

SURGERY

Shortening in pseudarthrosis. Treatment with the Küntscher distractor. Christensen NO.
Acta Orthop Scand 41:363-8, 1970
Leg lengthening. Kenwright J, et al.
Acta Orthop Scand 41:454-75, 1970
Intracortical circulation after intramedullary reaming with reduction of pressure in the medullary cavity. Danckwardt-Lillieström G, et al.
J Bone Joint Surg [Am] 52:1390-4, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

An evaluation of tibial lengthening procedures. Gross RH. J Bone Joint Surg [Am] 53:693-700, Jun 71
Tibial plateau prosthesis in arthroplasty of the knee. McCollum DE, et al.
J Bone Joint Surg [Am] 52:827-8, Jun 70
Surgical correction of large length discrepancies in the lower extremities of children and adults. An analysis of twenty consecutive cases. Merle d'Aubigné R, et al.
J Bone Joint Surg [Am] 53:411-30, Apr 71
Disturbed epiphysial growth at the knee after osteomyelitis in infancy. Roberts PH.
J Bone Joint Surg [Br] 52:692-703, Nov 70
Upper tibial osteotomy for osteoarthritis of knee. Keim HA. NY State J Med 71:1514-7, 15 Jun 71
Repair of defects in mandible. Brånemark PI, et al.
Scand J Plast Reconstr Surg 4:100-8, 1970
[Simple tibio-tarsal luxation without associated fracture: review of the literature apropos a case] Mourgues G de, et al.
Lyon Chir 65:661-7, Sep-Oct 69 (Fre)
[Dubious results of epiphysiodesis of the knee: 26 cases arrived at maturity] Masse P, et al.
Rev Chir Orthop 55:515-31, Sep 69 (Fre)
[Treatment of severe inequality of length of the lower extremities] Moitrel C.
Rev Chir Orthop 55:577-85, Sep 69 (Fre)
[A technic for correcting severe inequalities of the length of legs in a single stage] Prévot J, et al.
Rev Chir Orthop 56:577-81, Sep 70 (Fre)
[Tibial osteotomy in gonarthrosis] Gagnaire JC, et al.
Rev Lyon Med 19:114-24, 15 Feb 70 (Fre)
[Treatment and results in congenital pseudarthrosis of the leg] Knöfler EW.
Beitr Orthop Traumatol 16:629-40, Nov 69 (Ger)
[Upper, supratubercular tibial osteotomy in the management of gonarthrosis] Seyfarth H.
Beitr Orthop Traumatol 18:181-91, Apr 71 (Ger)
[Problems in the operative treatment of tibial osteomyelitis] Popkirov S.
Bruns Beitr Klin Chir 218:243-54, Sep 70 (Ger)
[Resetting forceps for fractures of the elbow and the Volkmann's triangle] Elmendorff HF von.
Chirurg 41:90-1, Feb 70 (Ger)
[The luxation of the posterior tibial tendon] Scheuba G. Monatsschr Unfallheilkd 72:540-3, Dec 69 (Ger)
[Unilateral transplantation of the distal portion of the femur to the reverse side in the segmental resection of the proximal part of the tibia and fibula] Tsuji H.
Orthop Surg (Tokyo) 22:491-8, 1971 (Jap)
[Treatment of congenital and acquired pseudoarthrosis and defects of leg bones in children] Gradiushko NA.
Ortop Travmatol Protez 31:37-40, Oct 70 (Rus)
[Theoretical prerequisites for surgical collateral polysynostosis and transplantation of the fibula] Kukhtiak ME, et al.
Ortop Travmatol Protez 32:40-1, Feb 71 (Rus)
[Treatment of chronic hematogenous osteomyelitis of the tibia] Kol' EN. Vestn Khir 105:91-5, Sep 70 (Rus)
[Tibio-fibular synostosis in complicated crural pseudarthrosis] Merkulov SP.
Vestn Khir 105:63-5, Oct 70 (Rus)
[Lenghthening the shin in children by distraction epiphyseolysis] Zav'ialov PV, et al.
Vestn Khir 103:67-70, Jun 69 (Rus)

TRANSPLANTATION

Follow-up of bone grafts to the nose. Farina R, et al.
Plast Reconstr Surg 48:251-5, Sep 71
Displaced stress fractures of the neck of the femur treated with bone grafting. Walsh RJ.
Surg Gynecol Obstet 132:503-4, Mar 71

TIBIAL FRACTURES (C14)

Diagnostic use of 85 strontium in the preoperative evaluation of non-union. Segmüller G, et al.
Acta Orthop Scand 41:150-60, 1970
Differences in healing of metaphyseal and diaphyseal fractures. Jarry L, et al. Can J Surg 14:127-35, Mar 71
Fatigue fractures of the tibia. Friedenberg ZB.
Clin Orthop 76:111-5, May 71
An unusual fracture of the tibial epiphysis. Marmor L.
Clin Orthop 73:132-5, Nov-Dec 70
Traumatic rotational displacements of the distal tibial growth plate. A case report. Broock GJ, et al.
J Bone Joint Surg [Am] 52:1666-8, Dec 70
Fracture of the intercondylar eminence of the tibia. Meyers MH, et al.
J Bone Joint Surg [Am] 52:1677-84, Dec 70
[3 parachutists with lower leg fractures] Dambrink JH.
Ned Tijdschr Geneeskd 115:1219-23, 17 Jul 71 (Dut)
[Tibial stress fracture: study of the healing of a human fracture] D'Amours C, et al.
Laval Med 42:491-5, May 71 (Fre)
[Tibia head fractures in the aged, fracture form, therapy and results after examination] Jäger M, et al.
Monatsschr Unfallheilkd 73:228-38, May 70 (Ger)
[Clinico-statistical considerations on 623 diaphyseal fractures of the leg treated with a conservative method] Lo Monte G, et al.
Arch Putti Chir Organi Mov 25:213-33, 1970 (Ita)
[Fractures of the tibia. Treatment with osteosynthesis, using Allaria nails] Pagani A.
Minerva Med 61:5215-7, 14 Nov 70 (Ita)
[Clinico-statistical study of the treatment of fractures of the tibial plateau] Belluomini P.
Minerva Ortop 21:177-9, Mar 70 (Ita)
[Considerations on malleolar fractures] Benedetti GB.
Minerva Ortop 21:409-12, Jun-Jul 70 (Ita)
[On 480 malleolar fractures] Bianchi M, et al.
Minerva Ortop 21:417-21, Jun-Jul 70 (Ita)
[Our experience in the treatment of malleolar fractures] Calati A, et al.
Minerva Ortop 21:422-5, Jun-Jul 70 (Ita)
[Remote results of surgically treated malleolar fractures] Cuzzupoli F.
Minerva Ortop 21:433-6, Jun-Jul 70 (Ita)
[Remote results of closed treatment of malleolar fractures] Fonda G, et al.
Minerva Ortop 21:441-5, Jun-Jul 70 (Ita)
[Our experience in the treatment of malleolar fractures] Mammi GI, et al.
Minerva Ortop 21:488-90, Aug-Sep 70 (Ita)
[n the treatment of malleolar fractures] Peruzzini V, et al. Minerva Ortop 21:491-2, Aug-Sep 70 (Ita)
[Isolated fracture of the external margin of the distal tibial epiphysis] Randone PB.
Minerva Ortop 22:40-2, Jan-Feb 71 (Ita)
[On the therapy of malleolar fractures] Solini A, et al.
Minerva Ortop 21:496-9, Aug-Sep 70 (Ita)
[On the surgical treatment of spiral fractures of the tibia] Tegaldo G.
Minerva Ortop 21:500-6, Aug-Sep 70 (Ita)
[Clinical study of the treatment of articular fractures of the knee] Tegaldo G.
Minerva Ortop 21:205-8, Mar 70 (Ita)
[Vascularization of the callus in primary healing of diaphyseal fractures] Dubrov IaG, et al.
Ortop Travmatol Protez 32:16-20, Feb 71 (Rus)
[Double fracture of the tibia with a central fragment] Ganchev M, et al.
Ortop Travmatol Protez 32:25-30, Feb 71 (Rus)
[Regeneration after fractures of the tubular bones during various means of osteosynthesis] Sivash KM, et al. Ortop Travmatol Protez 31:45-50, Jul 70 (Rus)
[Fractures from ski lifts] Sandegård J, et al.
Nord Med 85:217, 18 Feb 71 (Swe)
["Boot top" fractures] Vormdal J, et al.
Nord Med 85:217-8, 18 Feb 71 (Swe)

COMPLICATIONS

Femoral and tibial fractures combined with injuries to the femoral or popliteal artery. A review of the literature and analysis of fourteen cases. Connolly JF, et al. J Bone Joint Surg [Am] 53:56-68, Jan 71
Pseudoaneurysm of the posterior tibial artery complicating fracture of the tibia. Scudese VA, et al.
Vasc Surg 2:126-34, Sep 68
[Effects of Achilles tendon excision on bone structure in animals at end of growth: study of repercussions of fractures] Nayer P de.
Acta Orthop Belg 35:947-67, 1969 (Fre)
[Lesions of the popliteal artery associated with knee injuries (apropos of 9 cases, 5 of which complicated fractures of the upper extremity of the tibia] Mourgues G de, et al.
Lyon Chir 67:127-30, Mar-Apr 71 (Fre)
[Arteritis of the lower limbs and injuries: medico-legal aspect] Védrinne J, et al.
Med Leg Domm Corpor (Paris) 1:377-81, Oct 68 (Fre)
[Tibial fracture and concomitant syndesmosis rupture] Poigenfürst J.
Monatsschr Unfallheilkd 72:402-5, Sep 69 (Ger)
[Prevention of diaphysical pseudarthroses of the lower leg] Gherman E, et al. Z Orthop 108:243-7, Sep 70 (Ger)
[On physiokinesitherapy in sequelae of fractures of the tibial plateau] Barbieri E, et al.
Minerva Ortop 21:57-64, Jan 70 (Ita)
[Pseudarthrosis of the leg] Burzelic Z.
Minerva Ortop 21:285-7, Mar 70 (Ita)
[Fracture-dislocation of the astragalus associated with fracture of the tibial malleolus] Consolo C, et al.
Minerva Ortop 21:437-40, Jun-Jul 70 (Ita)
[Our experience in the physiokinesitherapy of post-traumatic articular rigidity of the tibio-tarsal joint in sequelar of malleolar fractures] Lami L, et al.
Minerva Ortop 21:85-9, Jan 70 (Ita)
[On the results of malleolar fractures. Their evaluation] Tessore A, et al.
Minerva Ortop 21:507-12, Aug-Sep 70 (Ita)
[Bilateral simultaneous traumatic dislocation of the hip joints] Chromy W.
Chir Narzadow Ruchu Ortop Pol 36:29-32, 1971 (Pol)
[Results of treatment of fractures of the tibial malleoli complicated by a dislocation] Jarecki R.
Pol Przegl Chir 43:463-7, Mar 71 (Pol)
[Contribution to the treatment of infected fractures and pseudarthrosis of the tibia] Fazzi A, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:175-80, May-Jun 70 (Por)
[State of venous circulation following fracture of crural bones] Karetnikov AD.
Khirurgiia (Mosk) 22:64-6, Apr 69 (Rus)
[Open diaphyseal fractures of shin bones, their treatment and prevention of complications] Revenko TA, et al. Ortop Travmatol Protez 32:1-7, Feb 71 (Rus)

DIAGNOSIS

Bone marrow in joint fluid: a clue to fracture. Lawrence C, et al. Ann Intern Med 74:740-2, May 71
Crush fractures of the lateral tibial table. Factors influencing the prognosis. Porter BB.
J Bone Joint Surg [Br] 52:676-87, Nov 70
Strontium 87m in the prognosis of fractures of the tibia. Illingworth GI, et al. Proc R Soc Med 64:633-4, Jun 71
A new complex of 99mTc for skeletal imaging. Subramanian G, et al. Radiology 99:192-6, Apr 71
[Experimental studies on the fracture resistance of the human tibia] Asang E, et al.
Monatsschr Unfallheilkd 72:336-44, Aug 69 (Ger)

ENZYMOLOGY

The appearance of oxidoreductases in healing fractures. Raekallio J, et al.
Acta Pathol Microbiol Scand [A] 78:658-64, 1970
Alkaline phosphatase activity and isoenzymes in experimental fractures. Semb TH, et al.
Clin Chim Acta 31:375-80, Feb 71

ETIOLOGY

Fracture-dislocations of the ankle joint with impaction injury of the lateral weight-bearing surface of the tibia. Coonrad RW.
J Bone Joint Surg [Am] 52:1337-44, Oct 70

METABOLISM

Lactate-pyruvate metabolism in pigs after severe tissue damage. An experimental study. Rokkanen P, et al. Acta Chir Scand 136:561-5, 1970

OCCURRENCE

[Etiology and therapy of the deep transverse fractures of the leg] Ahrer E, et al.
Monatsschr Unfallheilkd 72:259-68, Jun 69 (Ger)

PHYSIOPATHOLOGY

Changes in the muscle and skin blood flow following lower leg fracture in man. Kellerová E, et al.
Acta Orthop Scand 41:249-60, 1970
Post-fracture growth changes in rats. Nilsson BE.
Acta Orthop Scand 41:381-6, 1970
[Experimental studies on the blocking effect of the intact fibula in delayed healing of tibial fractures] Stanković P, et al.
Monatsschr Unfallheilkd 74:272-6, Jun 71 (Ger)
[Blood circulation characteristics in fresh fractures of shin bones] Lubegina ZP, et al.
Ortop Travmatol Protez 32:12-6, Feb 71 (Rus)

RADIOGRAPHY

Measurement of stability of tibial fractures. A mechanical method. Jernberger A.
Acta Orthop Scand [Suppl] 135:Suppl 135:1+, 1970
RPC of the month from the AFIP. Sweet DE, et al.
Radiology 99:687-93, Jun 71
[Radiodiagnosis of tibial stress fractures in children] Fruchter Z, et al.
J Radiol Electrol Med Nucl 51:155-8, Mar-Apr 70 (Fre)
[Radiodiagnosis of the union of diaphyseal fractures of the leg bones under conditions of compression osteosynthesis] Novitskaia NV, et al.
Ortop Travmatol Protez 31:54-8, Jul 70 (Rus)

REHABILITATION

[Rehabilitative treatment of persons with closed diaphyseal fractures of shin bones] Balakina VS, et al.
Ortop Travmatol Protez 32:7-12, Feb 71 (Rus)

SURGERY

The McFarland by-pass procedure in infantile pseudarthrosis of the tibia. Hardinge K.
Ann R Coll Surg Engl 48:6-8, Jan 71
The effect of a new external bone-fixator on the treatment of fractures of long bones. Rezaian SM.
Ann R Coll Surg Engl 48:336-43, Jun 71
Crushed leg (Case P70). Percy EC.
Can Med Assoc J 103:1189-90, 21 Nov 70
Treatment of open tibial fractures by cross-fracture pin fixation. Kushner A.
Clin Orthop 73:136-45, Nov-Dec 70
Congenital pseudarthrosis of the tibia. Sofield HA.
Clin Orthop 76:33-42, May 71
Plate fixation of tibial shaft fractures. A survey of 181 injuries. Burwell HN.
J Bone Joint Surg [Br] 53:258-71, May 71
Primary closure of open fractures of the tibia and fibula by fibular fixation and relaxing incisions. Reckling FW, et al. J Trauma 10:853-66, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The weight-bearing cast in fractures of the tibia. Payne SR, et al. Minn Med 53:895-901, Aug 70
Compound fracture of the tibia. Cox GW, et al. South Med J 63:1409-14, Dec 70
[Medullary nailing in the treatment of recent diaphyseal fractures of the tibia] Lemaire R. Acta Chir Belg 68:31-56, Jan 69 (Fre)
[2 cases of arteriovenous fistula of the lower limbs after orthopedic surgery] Gignoux M, et al. Experientia 27:380-1, 15 Jan 71 (Fre)
[Results of an unusual procedure of osteosynthesis in leg fractures. 10 cases] Corréard RP. Lyon Med 224:563-6, 8 Nov 70 (Fre)
[Closed focus nailing of tibial and femoral diaphyses] Bombart M, et al. Rev Chir Orthop 56:775-86, Dec 70 (Fre)
[Non-suppurative pseudarthrois of the leg] Fernández-Sabaté A. Rev Chir Orthop 56:507-27, Sep 70 (Fre)
[Results of the surgical treatment of malleolar fractures] Martinez C, et al. Rev Chir Orthop 56:665-82, Oct-Nov 70 (Fre)
[Treatment of articular fractures of the upper extremity of the tibia] Rieunau G, et al. Rev Chir Orthop 57:Suppl 1:209+, 1971 (Fre)
[Infected fractures of the upper and lower leg and their healing inside the orthopedic apparatus] Zenker H. Arch Orthop Unfallchir 69:169-81, 1970 (Ger)
[Treatment of tibio-fibular syndesmosis rupture using the syndesmosis hook] Engelbrecht E. Chirurg 42:92-4, Feb 71 (Ger)
[Subcutaneous wire fixation of tibial torsion fractures] Ahrer E, et al. Hefte Unfallheilkd 101:63-91, 1969 (Ger)
[Venous blood flow following surgical treatment of lower leg fractures] Jungbluth KH, et al. Hefte Unfallheilkd 107:148-51, 1970 (Ger)
[Experiences in correcting tibial head impressions with heteroplastic spongiosa] Richter H, et al. Monatsschr Unfallheilkd 72:311-6, Jul 69 (Ger)
[Primary intramedullary nailing in open leg fracture] Scheuba G. Monatsschr Unfallheilkd 72:252-9, Jun 69 (Ger)
[Bone transplantation in the management of delayed fracture healing and pseudarthrosis of the tibia] Timme KU. Monatsschr Unfallheilkd 73:349-61, Aug 70 (Ger)
[Surgery of tibial condyle fractures] Wilhelm K, et al. Monatsschr Unfallheilkd 74:153-68, Apr 71 (Ger)
[Spring osteosynthesis by the Maatz technic in tibial head fractures] Nonnemann HC. Zentralbl Chir 95:729-39, 20 Jun 70 (Ger)
[Experiences in the surgical treatment of old injuries in the region of the ankle joint] Ziller R, et al. Zentralbl Chir 95:772-8, 20 Jun 70 (Ger)
[Nonfocal surgical treatment of pseudarthrosis and delayed consolidation of the tibia] Ranieri L. Chir Organi Mov 58:412-26, 1970 (Ita)
[Therapy of fractures of the tibial plate] Malerba F, et al. Minerva Ortop 21:569-73, Nov 70 (Ita)
[Allaria screws in spiroid fractures of the leg (experience and clinical report)] Lombari C. Rass Int Clin Ter 49:1117-28, 15 Sep 69 (Ita)
[Surgery of fracture of diaphysis of the leg] Itami Y, et al. Shujutsu 25:607-19, May 71 (Jap)
[Pedicle bone grafts in the treatment of ununited fractures of the tibia] Patyński J. Chir Narzadow Ruchu Ortop Pol 35:611-5, 1970 (Pol)
[Compression osteosynthesis in the treatment of rupture of the tibiofibular articulation associted with fractures of the malleoli] Dvofnin LA. Ortop Travmatol Protez 31:73-4, Jul 70 (Rus)
[Surgical treatment of ununited fractures and pseudarthroses complicated by osteomyelitis] Grinev MV, et al. Ortop Travmatol Protez 32:19-22, Jan 71 (Rus)
[Method of treatment of fractures of the ankles and rear edge of the tibia] Iliev M. Ortop Travmatol Protez 31:57-8, Nov 70 (Rus)
[Fixation of shin fragments during lengthening] Polliak NA, et al. Ortop Travmatol Protez 32:46-9, Feb 71 (Rus)
[Experience in the treatment of ununited fractures and pseudarthrosis of the crus] Zheleznlak VA. Ortop Travmatol Protez 32:35-9, Feb 71 (Rus)
[Case of osteosynthesis surgery of the shin bones under the high altitude conditions of the Pamira] Zhukov BL. Ortop Travmatol Protez 32:30-1, Feb 71 (Rus)
[Osteosynthesis with a bolt in torsion fractures of the crural bones] Dubrov Ela, et al. Vestn Khir 103:93-5, Aug 69 (Rus)
[The basis for and characteristics of stable transosseous osteosynthesis] Shmidt LE. Vestn Khir 106:102-6, Apr 71 (Rus)
[Experience in the surgery of malleolar fractures using N. V. Nivokov's fixator] Skripchenko AI. Vestn Khir 105:93-4, Dec 70 (Rus)
[Osteosynthesis with metallic nails in apposition in crural fracture] Zheleznlak VA. Vestn Khir 103:86-9, Nov 69 (Rus)
[Is ankle joint function improved through correction of a defectivsly healed lower leg fracture?] Olerud S. Nord Med 86:676-7, 22 Jul 71 (Swe)

THERAPY

Ambulatory care of lower-extremity fractures. Mooney V, et al. J Bone Joint Surg [Am] 52:832-3, Jun 70
[Recent fractures of the tibial plateaus (apropos of 133 cases)] Eulert J, et al. Ann Chir 25:285-304, Mar 71 (Fre)
[Centro-medullary nailing of the tibia by the Zucman-Maurer method (apropos of 34 cases)] Gruet M, et al. Bull Soc Med Afr Noire Lang Fr 15:133-8, 1970 (Fre)
[Treatment of fractures of the tibia of its lower quarter] Peter MY, et al. Praxis 59:118-22, 27 Jan 70 (Fre)
[Treatment of tibial plateau fracture] Mourgues G de, et al. Rev Chir Orthop 55:575-6, Sep 69 (Fre)
[Tibial fractures and their treatment] Henkert K, et al. Beitr Orthop Traumatol 17:273-90, 1970 (Ger)
[1st experiences with Pap's diafixation and controlled active exercise therapy in fractures of the tibial shank] Mann K, et al. Beitr Orthop Traumatol 18:341-50, Jun 71 (Ger)
[Factors and complications in the treatment of tibial fractures] Finsterbush A. Harefuah 79:70-3, 15 Jul 70 (Heb)
[More on the Delitalia pressor] Vasciaveo F. Friuli Med Suppl 6:1181+, Nov-Dec 68 (Ita)
[Treatment of malleolar fractures] Bialecki S, et al. Chir Narzadow Ruchu Ortop Pol 35:597-601, 1970 (Pol)
[Comparison of the conservative and surgical methods in the treatment of oblique and spiral fractures of the tibia] Kluszkiewicz S. Chir Narzadow Ruchu Ortop Pol 36:289-96, 1971 (Pol)
[Weber's method of treatment of olecranon and medial malleolus fractures] Gellert J, et al. Chir Narzadow Ruchu Ortop Pol 36:297-301, 1971 (Pol)
[Results of conservative treatment with plaster cast of spiral tibial fractures at their lower one-third] Portych L, et al. Chir Narzadow Ruchu Ortop Pol 36:147-51, 1971 (Pol)
[Use of a wire loop in the treatment of shin fractures] Teleszyński Z, et al. Pol Przegl Chir 43:223-7, Feb 71 (Pol)
[Open diaphyseal fractures of shin bones, their treatment and prevention of complications] Revenko TA, et al. Ortop Travmatol Protez 32:1-7, Feb 71 (Rus)

VETERINARY

Fracture of the tibia in a horse. Springstead BK. J Am Vet Med Assoc 155:1370-3, 15 Oct 67

TIBIAL MENISCUS see SEMILUNAR CARTILAGES

(A2)

TIC (C10, F2)

[Structural development in childhood demonstrated in 60 children with tics] Vanselow R. Prax Kinderpsychol Kinderpsychiatr 20:33-46, Feb-Mar 71 (Ger)
[Tics in children. Differential diagnosis, etiology and therapy] Vesterhus P. Tidsskr Nor Laegeforen 91:285-8, 10 Feb 71 (Nor)

COMPLICATIONS

Acanthocytosis, normolipoproteinaemia and multiple tics. Critchley EM, et al. Postgrad Med J 46:698-701, Dec 70

DRUG THERAPY

Haldol in the treatment of children with tics and stutterers and an incidental finding. Tapia F. Behav Neuropsychiatry 1:28 passim, Jun 69

ETIOLOGY

The twitching scar. Converse JM, et al. Br J Plast Surg 24:272-6, Jul 71

SURGERY

Electromyographic and electron microscopic correlates in hemifacial spasm treated by microsurgical relief of neurovascular compression. Jannetta PJ, et al. Surg Forum 21:449-51, 1970
[Facial hemispasm and operation at the nerve bifurcation] Gaillard J, et al. J Fr Otorhinolaryngol 20:589-91, Apr 71 (Fre)

THERAPY

Nonverbal, extraverbal, and autistic verbal communication in the treatment of a child tiqueur. Elkisch P. Psychoanal Study Child 23:422-37, 1968

TICK INFESTATIONS (C1)

A tick-infesting appliance for hamsters. Gregson JD. J Econ Entomol 64:775, Jun 71

CLASSIFICATION

[2 forms of Demodex folliculorum ticks detected in man] Akbulatova LKh. Med Parazitol (Mosk) 39:700-4, Nov-Dec 70 (Rus)

IMMUNOLOGY

[Studies on the parasite-host relationship of the tick Amblyomma testudinis (Conil 1877)] Schneider CC, et al. Z Tropenmed Parasitol 22:2-17, Mar 71 (Ger)

OCCURRENCE

Ticks and tick-borne diseases in Japan. Kitaoka S. Bull Off Int Epizoot 73:115-9, Jan-Feb 70
Diseases transmitted by ticks in Thailand. Subharngkasen S. Bull Off Int Epizoot 73:109-13, Jan-Feb 70
Haemaphysalis (Alloceraea) aponommoides Warburton (Ixodoidea: Ixodidae), description of immature stages, hosts, distribution, and ecology in India, Nepal, Sikkim, and China. Hoogstraal H, et al. J Parasitol 57:635-45, Jun 71
[Invasion of man by Argas reflexus] Grzywiński L. Wiad Parazytol 16:457-61, 1970 (Pol)

PREVENTION & CONTROL

[Strengthening the measures for controlling ticks and gadflies] Dušheev AD, et al. Veterinariia 8:70-1, Aug 70 (Rus)

VETERINARY

Factors affecting the distribution and abundance of the cattle tick in Australia: observations and hypotheses. Wilkinson PR. Acarologia 12:492-508, Jan 71
Alterations in host metabolism by the specific and anorectic effects of the cattle-tick (Boophilus microplus). II. Changes in blood composition. O'Kelly JC, et al. Aust J Biol Sci 24:381-9, Apr 71
Alterations in host metabolism by the specific and anorectic effects of the cattle tick (Boophilus microplus). I. Food intake and body weight growth. Seebeck RM, et al. Aust J Biol Sci 24:373-80, Apr 71
A modification of pasture spelling to reduce acaricide treatments for cattle tick control. Harley KL, et al. Aust Vet J 47:108-11, Mar 71
New types of organophosphorus-resistant ticks (Boophilus microplus). O'Sullivan PJ, et al. Aust Vet J 47:71, Feb 71
Cattle tick in New South Wales. Watts RM. Aust Vet J 45:437-44, Oct 69
Boophilus microplus (acarina: ixodidae): experimental infestations on cattle restrained from grooming. Bennett GF. Exp Parasitol 26:323-8, Dec 69
Boophilus microplus: antihistaminic and tranquilizing drugs and cattle resistance. Tatchell RJ, et al. Exp Parasitol 26:369-77, Dec 69
Effectiveness of malathion insecticide against some species of cattle and buffalo ticks commonly found in India. Rangnekar DV, et al. Indian Vet J 48:466-71, May 71
Observations on ovine strains of tick-borne fever. Foster WN, et al. J Comp Pathol 80:429-36, Jul 70
Changing infestation rates of Rhipicephalus sanguineus (Latreille) (Ixodidae) ticks on dogs on Singapore Island, 1965-1966. Theis JH, et al. J Med Entomol 8:23-8, 30 Mar 71
Haemaphysalis (Herpetobia) sundrai Sharif (Ixodoidea: Ixodidae), a tick parasitizing sheep in the western Himalayas, redescription of female, description of male, and ecological observations. Dhanda V, et al. J Parasitol 57:846-50, Jun 71
New host and locality records for species of the genera Periglischrus and Cameronieta (Acarina: Spinturnicidae) on bats from Mexico. Kingston N, et al. J Parasitol 57:927-8, Aug 71
Apparent failure of Boophilus annulatus to transmit anaplasmosis to white-tailed deer (Odocoileus virginianus). Kuttler KL, et al. J Parasitol 57:657-9, Jun 71
Behavior of larvae of the cattle tick, Boophilus microplus (Canestrini), on cattle of differing degrees of resistance. Roberts JA. J Parasitol 57:651-6, Jun 71
Dursban--its efficiency against the sheep tick. Treeby P. Vet Rec 87:221-2, 15 Aug 70
[Babesia influencing of bigemina parasitemias by Boophilus annulatus following experimental transmissions] Hoffmann G, et al. Berl Munch Tieraerztl Wochenschr 84:241-6, 1 Jul 71 (Ger)
[Gosling disease caused by ticks (Ixodes ricinus)] Seils G, et al. Monatsh Vet Med 25:268-70, 1 Apr 70 (Ger)
[Tick paralysis in chickens caused by Argas (Persicargas) persicus-larvae. 3. Neurophysiological investigations] Kunze K, et al. Z Parasitenkd 36:251-64, 1971 (Ger)
[Use of chlorophos, carbophos and sevin aerosols against poultry ectoparasites] Chirikashvili RV, et al. Veterinariia 7:35-7, Jul 70 (Rus)
[Use of sevin against the ectoparasites of small

domestic animals] Potemkin VI, et al. Veterinariia 1:30-1, Jan 71 (Rus)

TICK PARALYSIS see under TICK TOXICOSES

(C14)

TICK TOXICOSES (C14)

COMPLICATIONS

More on tick bite in Parkinson's disease. Culebras A. N Engl J Med 285:754, 23 Sep 71

DIAGNOSIS

Erythema chronicum migrans. Scrimenti RJ. Arch Dermatol 102:104-5, Jul 70

ETIOLOGY

[Paralysis in chickens caused by Argas (Persicargas) persicus larvae. I. The effect of the degree of engorgement and infection rate on clinical symptoms] Gothe R. Z Parasitenkd 35:298-307, 1971 (Ger)

IMMUNOLOGY

Antigenic properties of tick secretions. Gregson JD. J Parasitol 56:1038-9, Oct 70

[Paralysis in chickens caused by Argas (Persicargas) persicus larvae. II. Immunity studies] Gothe R. Z Parasitenkd 35:308-17, 1971 (Ger)

OCCURRENCE

Tick-borne diseases of domestic animals in Australia. Bull Off Int Epizoot 73:121-9, Jan-Feb 70

TICKS (B1)

Isolation in south-west Ukraine of viruses of the Uukuniemi group. Gaidamovich SY, et al. Acta Virol (Praha) 15:333, Jul 71

Transmission of tick-borne encephalitis (TBE) virus by Dermacentor marginatus and D. reticulatus ticks. Kofuch O, et al. Acta Virol (Praha) 15:334, Jul 71

Haemocyte test--an easy, quick and reliable method for the detection of rickettsiae in ticks. Reháček J, et al. Acta Virol (Praha) 15:237-40, May 71

Isolation of a new arbovirus strain (Kemerovo group) from Ixodes ricinus ticks in the South-western region of Romania. Topciu V, et al. Acta Virol (Praha) 14:412, Sep 70

Tick-borne rickttsiae of the spotted fever group in West Pakistan. I. Isolation of strains from ticks in different habitats. Robertson RG, et al. Am J Epidemiol 92:382-94, Dec 70

Hemolymph test. A technique for detection of rickettsiae in ticks. Burgdorfer W. Am J Trop Med Hyg 19:1010-4, Nov 70

Isolation of a Group B arbovirus from Ixodes uriae collected on Three Arch Rock National Wildlife Refuge, Oregon. Clifford CM, et al. Am J Trop Med Hyg 20:461-8, May 71

Isolations of Silverwater virus from naturally infected snowshoe hares and Haemaphysalis ticks from Alberta and Wisconsin. Hoff GL, et al. Am J Trop Med Hyg 20:320-5, Mar 71

Tulenly virus. A new Group B arbovirus isolated from Ixodes (Ceratixodes) putus Pick.-Camb. 1878 collected on Tulenly Island, Sea of Okhotsk. Lvov DK, et al. Am J Trop Med Hyg 20:456-60, May 71

Experimental infections of Rickettsia prowazeki among domestic livestock and ticks. Ormsbee R, et al. Am J Trop Med Hyg 20:117-24, Jan 71

Vectors of Theileria hirci in south and southeast of Iran. Mazlum Z. Ann Parasitol Hum Comp 45:523-5, Jul-Aug 70

Experimental infection of the argasid tick, Ornithodoros moubata porcinus, with African swine fever virus. Plowright W, et al. Arch Gesamte Virusforsch 31:33-50, 1970

Virus isolations from Ixodid ticks in Uganda. II. Kadam virus--a new member of arbovirus group B isolated from Rhipicephalus pravus Dontiz. Henderson BE, et al. East Afr Med J 47:273-6, May 70

Virus isolations from Ixodid ticks in Uganda. I. Isolation and characterisation of ten strains of a virus not previously described from Eastern Africa. Tukei PM, et al. East Afr Med J 47:265-72, May 70

Isolation of Ganjam virus from ticks Haemaphysalis intermedia. Boshell J, et al. Indian J Med Res 58:561-2, May 70

Wanowrie virus: a new arbovirus isolated from Hyalomma marginatum isaaci. Dandawate CN, et al. Indian J Med Res 58:985-9, Aug 70

Isolation of Ganjam virus from the bird tick Haemaphysalis wellingtoni Nuttall and Warburton 1907. Rajagopalan PK, et al. Indian J Med Res 58:1195-6, Sep 70

Trans-monsoonal persitence of Kyasanur Forest disease virus in Haemaphysalis nymphs infected in nature. Rajagopalan PK, et al. Indian J Med Res 8:1184-7, Sep 70

Transmission of Kyasanur Forest disease virus by soft tick, Argas persicus (Ixodoidea: Argasidae). Singh KR, et al. Indian J Med Res 59:213-8, Feb 71

Laboratory testing of insecticides for control of the winter tick. Drummond RO, et al. J Econ Entomol 64:686-8, Jun 71

Radiolabeling Dermacentor variabilis with strontium-90 and strontium-90 plus carbon-14 mixtures. Sonenshine DE, et al. J Econ Entomol 63:1635-8, Oct 70

Attempts to transmit bovine anaplasmosis with Anopheles quadrimaculatus Say (Diptera: Culicidae) and Dermacentor andersoni Stiles (Acarina: Ixodidae). Bram RA, et al. J Med Entomol 7:481-4, 25 Aug 70

Isolatin of a PL agent (Chlamydi, Bedsonia) from ticks (Argas (P.) arboreus) parasitic on the white-necked cormorant (Phalacrocorax carbo) in Ethiopia. Eddie B, et al. J Med Entomol 7:745-6, Dec 70

Amblyomma (Acarina: Ixodidae) on white-tailed deer, Odocoileus virginianus (Zimmermann), from south Texas with implications for theileriasis. Samuel WM, et al. J Med Entomol 7:567-74, Nov 70

A contribution to the ecology of ticks infesting wild birds and rabbits in the Virginia-North Carolina Piedmont (Acarina: Ixodidae). Sonenshine DE, et al. J Med Entomol 7:645-54, Dec 70

A preliminary note on predation on free-living engorged female Rocky Mountain wood ticks. Wilkinson PR. J Med Entomol 7:493-6, 25 Aug 70

Studies on southeast Asian Haemaphysalis ticks (Ixodoidea, Ixodidae). Redescription of H. (kaiseriana) renschi schulze (resurrected), and its hosts and distribution in Indonesia. Hoogstraal H, et al. J Parasitol 54:1214-22, Dec 68

Behavior of larvae of the cattle tick, Boophilus microplus (Canestrini), on cattle of differing degrees of resistance. Roberts JA. J Parasitol 57:651-6, Jun 71

Studies on SOUTHEAST Asian Haemaphysalis ticks (Ixodoidea, Ixodidae). Redescription of H. (rhipistoma) Bartelsi Schulze (resurrected), the Indonesian flying squirrel haemaphysalid. Wilson N, et al. J Parasitol 54:1223-7, Dec 68

Tick bite in Parkinson's disease. Sax DS, et al. N Engl J Med 285:292-3, 29 Jul 71

Large Babesia species transmitted to splenectomized calves by field collections of British ticks (Haemaphysalis punctata). Brocklesby DW, et al. Nature (Lond) 228:1215, 19 Dec 70

Ifection of Rhipicephalus appendiculatus ticks with Theileria parva, using a rabbit's head perfusion technique. Irvin AD, et al. Res Vet Sci 11:493-5, Sep 70

Transovarial infection with African swine fever virus in the argasid tick, Ornithodoros moubata porcinus, Walton. Plowright W, et al. Res Vet Sci 11:582-4, Nov 70

Infection of the tick Rhipicephalus appendiculatus with Theileria parva using an artificial feeding technique. Purnell RE. Res Vet Sci 11:403-5, Jul 70

The ecology, bionomics and behaviour of Haemaphysalis (Haemaphysalis) concinna tick. Nosek J. Z Parasitenkd 36:233-41, 1971

[Experiments to explain the possibility of multiplication and increase in virulence of the septicemic-infective agent in the crop of blood-sucking arthropods. I. Study on a Pasteurella pseudotuberculosis model] Toshkov A, et al. Izv Mikrobiol Inst (Sofiia) 20:121-9, 1969 (Bul)

[1st isolation of a strain of Rickettsia (Cocksiella) burneti from ticks (Hyalomma truncatum) in Senegal] Capponi M, et al. Bull Soc Pathol Exot 63:530-4, Sep-Oct 70 (Fre)

[Presence of Ixodes trianguliceps (Birula, 1895) and Ixodes apronophorus (Schulze, 1924) in Switzerland (Ixodoidea; Ixodidae)] Aeschlimann A, et al. Rev Suisse Zool 77:527-36, Sep 70 (Fre)

[Seasonal appearance of ticks and piroplasms in domestic animals in the Asiatic provinces of Turkey] Hoffmann G, et al. Berl Munch Tieraerztl Wochenschr 84:152-6, 15 Apr 71 (Ger)

[Tick-borne spotted fever (fièvre boutonneuse), an imported infection] Stille W. Dtsch Med Wochenschr 96:1116-8, 25 Jun 71 (Ger)

[Experimental research on the existence of arboviruses in Lower Franconia-W. Germany. 2. Characterization of virus strains isolated from ticks] Müller W. Zentralbl Bakteriol [Orig] 14:465-79, 1970 (Ger)

[Experimental research into the existence of arboviruses in Lower Franconia-W. Germany. 1. Virus isolation experiments with ticks] Müller W. Zentralbl Bakteriol [Orig] 214:145-59, 1970 (Ger)

[Ixodes (Exopalpiger) trianguliceps Birula, 1895 (Ixodidae, Acarina) at Ojcow National Park] Siuda K, et al. Wiad Parazytol 17:189-200, 1971 (Pol)

[Foci of tick-borne spirochetosis in the construction zone of the Mil'sko-Muganskaya dam] Abdullaev KhI, et al. Med Parazitol (Mosk) 39:739-40, Nov-Dec 70 (Rus)

[The chief ecologic-faunistic complexes of ixodids maintaining the natural foci of infection in the Primorskiĭ Kraĭ] Belikova NP. Med Parazitol (Mosk) 38:401-5, Jul-Aug 69 (Rus)

[Experience with determining the potential epidemiologic valence of ntural foci of tick-borne encephalitis and Omsk hemorrhagic fever in Western Siberia] Bogdanov II. Med Parazitol (Mosk) 38:415-7, Jul-Aug 69 (Rus)

[Ixodid ticks of the Kemerovo region] Chigirik ED, et al. Med Parazitol (Mosk) 38:423-6, Jul-Aug 69 (Rus)

[Parasitization of the antelope (Saiga tatarica L.) by Hyalomma scupense Sch. ticks] Grokhovskaia IM. Med Parazitol (Mosk) 38:493-4, Jul-Aug 69 (Rus)

[Main regularities of transovarial transmission of tickborne encephalitis virus by tick vectors] Il'enko VI, et al. Med Parazitol (Mosk) 39:263-9, May-Jun 70 (Rus)

[A study of the survival of the virus of Omsk hemorrhagic fever in Ixodes persulcatus in conditions of their massive infection] Kondrashova ZN. Med Parazitol (Mosk) 39:274-8, May-Jun 70 (Rus)

[The distribution of Ixodes persulcatus P. Sch. ticks on the northern slope of western Saian, and the factors determining it. II. Nourishment of the nymphs and larvae of I. persulcatus by small mammals] Naumov RL, et al. Med Parazitol (Mosk) 39:578-83, Sep-Oct 70 (Rus)

[Distribution of Ixodes persulcatus P. Sch. ticks on the northern slope of the western Sayan mountains and factors determining it. I. Distribution of adult Ixodes persulcatus] Rubina MA, et al. Med Parazitol (Mosk) 39:269-74, May-Jun 70 (Rus)

[Repellent sensitivity of the tick Alectorobius tholozani papillipes Birula at different stages of development] Smirnova SN, et al. Med Parazitol (Mosk) 40:45-9, Jan-Feb 71 (Rus)

[Multiplication of parasitic protozoa and microfilaria in an arthropod tissue culture] Timofeev BA. Med Parazitol (Mosk) 38:489-91, Jul-Aug 69 (Rus)

[Ixodid ticks--reservoirs and vectors of mixed infections] Zhmaeva ZM, et al. Med Parazitol (Mosk) 38:405-10, Jul-Aug 69 (Rus)

[Foci of tick-borne encephalitis in the Leningrad region] Zolotov PE, et al. Med Parazitol (Mosk) 38:417-23, Jul-Aug 69 (Rus)

[Several indices of blood coagulation and fibrinolytic activity in tick-transmitted rickettsiosis] Kireeva RIa. Sov Med 33:59-62, 1970 (Rus)

[Effect of the organisms of Hyalomma asiaticum Sch. et Schl. and Ornithodoros papillipes Bir. ticks on the biologic activity of Rickettsia burneti] Dafter AB, et al. Tr Leningr Inst Epidemiol Mikrobiol 37:72-83, 1970 (Rus)

[Results of experimental infection of Dermacentor nuttali Ol. ticks by Rickettsia burneti] Tseneva GIa, et al. Tr Leningr Inst Epidemiol Mikrobiol 37:84-92, 1970 (Rus)

[Role of sea birds and ticks in the spread of arboviruses and ornithosis in the subarctic region] Terskikh II, et al. Vestn Akad Med Nauk SSSR 26:50-3, 1971 (Rus)

[Transmission of the causative agent of avian pullorosis-typhus by Persian ticks] Giukhov VF. Veterinariia 9:60-1, Sep 70 (Rus)

[Retention of Piroplasma caballi virulence in latent foci] Koniukhov MP. Veterinariia 7:68-9, Jul 70 (Rus)

[Transovarian transmission of blood parasites by the tick Hyalomma anatolicum] Mamatkulov ShSh. Veterinariia 6:59-60, Jun 70 (Rus)

[Arboviruses isolated from avian ticks Ceratixodes putus Pick-Cambr. collected in the Arctic regions] Bekleshova AIu, et al. Vopr Virusol 15:436-40, Jul-Aug 70 (Rus)

[Infectability of Ixodes persulcatus ticks and questions concerning transovarial transmission during dose regulated infection with tick-borne encephalitis virus] Kondrashova ZN, et al. Vopr Virusol 15:703-8, Nov-Dec 70 (Rus)

[Isolation of arboviruses from Ixodes (Ceratixodes) putus Pick-Cambr. ticks collected in a bird colony on the island of Tiuleniĭ in the Sea of Okhotsk] L'vov DK, et al. Vopr Virusol 15:440-4, Jul-Aug 70 (Rus)

[Isolation of Coxiella burneti from the yellow necked mouse and adult ticks in a Q fever focus] Heneberg N, et al. Vojnosanit Pregl 28:181-5, Apr 71 (Cro)

ANATOMY & HISTOLOGY

Studies on two populations of Ixodes kingi Bishopp (Ixodidae). Gregson JD. Can J Zool 49:591-7, May 71

Description of the male and immature stages of Ixodes. I. Werneri Kohls (Acarina: Ixodidae), a parasite of Rattus in mountains of Palawan, Malaya, and Java. Keirans JE, et al. J Med Entomol 7:605-8, Nov 70

Haemaphysalis (Herpetobia) sundrai Sharif (Ixodoidea: Ixodidae), a tick parasitizing sheep in the western Himalayas, redescription of female, description of male, and ecological observations. Dhanda V, et al. J Parasitol 57:646-50, Jun 71

Haemaphysalis (Allocerasa) aponommoides Warburton (Ixodoidea: Ixodidae), description of immature stages, hosts, distribution, and ecology in India, Nepal, Sikkim, and China. Hoogstraal H, et al. J Parasitol 57:635-45, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The mechanism of feeding and salivation in Boophilus microplus (Canestrini, 1887). Kemp DH, et al. Z Parasitenkd 37:55-69, 1971
[An anatomic peculiarity of the digestive system in Ornithodorus moubata, Murray (Ixodoidea, Argasidae)] Aeschlimann A, et al. Acta Trop (Basel) 27:191-2, 1970 (Fre)
[Morphological study and biological observations on Ixodes gibbosus Nuttall, 1916] Saratsiotis A. Ann Parasitol Hum Comp 45:661-75, Sep-Oct 70 (Fre)
[The infra-internal bristles of the palps in Ixodidae] Senevet G. Ann Parasitol Hum Comp 45:455-62, Jul-Aug 70 (Fre)
[Ixodes of France. Means of identification] Senevet G. Bull Soc Pathol Exot 63:387-98, May-Jun 70 (Fre)

CLASSIFICATION

Redescription of Hyalomma (H.) erythraeum Tonelli-Rondelli (resurrected), description of the female and immature stages, and hosts and distribution in Ethiopia and Somali Republic. Kaiser MN, et al. Ann Entomol Soc Am 61:1228-35, Sep 68
Ixodid ticks collected in the Eastern Himalayas and their potential disease relationships. Varma RN, et al. Indian J Med Res 58:693-706, Jun 70
Some notes on the genus Boophilus (Ixodidae), with special reference to species found in Israel. Feldman-Muhsam B, et al. J Med Entomol 7:877-86, Dec 70
Ixodes philipi N. Sp. (Acarina: Ixodidae), a sea bird parasite in Japan. Keirans JE, et al. J Med Entomol 7:725-6, Dec 70
Ixodes albignaci Ullenberg and Hoogstraal: description of the male, nymph, and larva, and distribution and hosts in Madagascar (Acarina: Ixodidae). Ullenberg G, et al. J Med Entomol 7:611-4, Nov 70
Review of Haemaphysalis (kaiseriana) Longicornis Neumann (resurrected) of Australia, New Zealand, New Caledonia, Fiji, Japan, Korea, and Northeastern China and USSR, and its parthenogenetic and bisexual populations (Ixodoidea, Ixodidae). Hoogstraal H, et al. J Parasitol 54:1197-213, Dec 68
Studies on Southeast Asian Haemaphysalis ticks (Ixodoidea, Ixodidae). Redescription of type material of H. (Rhipistoma) Heinrichi schulze, a parasite of the ferret-badger in Burma and Vietnam. Hoogstraal H, et al. J Parasitol 54:1057-62, Oct 68
Aborphysalis, a new subgenus of Asian Haemaphysalis ticks; and identity, distribution, and hosts of H. aborensis Warburton (resurrected) (Ixodoidea: Ixodidae). Hoogstraal H, et al. J Parasitol 57:743-60, Aug 71
[Contribution to a study of the ticks of Senegal (Acarina, Ixodoidea). I. Larvae of Amblyomma (Koch) and Hyalomma (Koch)] Camicas JL. Acarologia 12:71-102, May 70 (Fre)
[Ixodes pseudoholocyclus Senevet, 1968, is a synonym of Ixodes petauristae Warburton 1933] Senevet G. Ann Parasitol Hum Comp 45:526, Jul-Aug 70 (Fre)
[Knowledge of the tick fauna in game animals of the Serengeti] Hoffmann G, et al. Acta Trop (Basel) 27:193-207, 1970 (Ger)

CYTOLOGY

Fine structure of Rickettsia canada in tissues of Dermacentor andersoni Stiles. Brinton LP, et al. J Bacteriol 105:1149-59, Mar 71
Fine structure of tarsal sensilla in the tick Amblyomma americanum (L.). Foelix RF, et al. Z Zellforsch Mikrosk Anat 114:22-37, 1971
[Presence of annulated membranes in ovocytes of Ornithodorus moubata, Murray (Ixodoidea; Argasidae)] Aeschlimann A, et al. Acta Trop (Basel) 27:268-70, 1970 (Fre)
[Light microscopy studies on the development of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea). II. Cytochemical studies of differentiated merozoites in the salivrry glands of female ticks] Weber G, et al. Z Parasitenkd 35:218-33, 1971 (Ger)

DRUG EFFECTS

Effect of age on the susceptibility of nymphs of the Lone Star tick to insecticides. Mount GA, et al. J Econ Entomol 63:1681-2, Oct 70
Toxicological aspects of three organophosphorus compounds (Cythioate, Famphur, and Fenthion) in the host-ectoparasite system. Smith HG Jr, et al. J Econ Entomol 63:1640-6, Oct 70
Effect of Ronnel on the respiration rate of Ornithodoros savignyi ticks at different temperatures after topical application or oral ingestion. Saliba EK, et al. J Med Entomol 8:73-83, 30 Mar 71
[On the effectiveness of treatment of premises with hexachlorane against the village tick Alectorobius tholozani in the village of Uch-Korgon (South Kirghizia)] Abdulkhasanov A. Med Parazitol (Mosk) 39:362-5, May-Jun 70 (Rus)
[The reaction of taiga ticks (Ixodes persulcatus P. SCH) to carbon dioxide and several prospects for its use in field research] Korenberg EI. Med Parazitol (Mosk) 38:427-31, Jul-Aug 69 (Rus)
[Methation in control of blood-sucking arthropods. II] Krivtsova EN, et al. Med Parazitol (Mosk) 39:338-45, May-Jun 70 (Rus)

ENZYMOLOGY

Esterases and a carbohydrate-splitting enzyme in the saliva of the cattle tick, Boophilus microplus. Geczy AF, et al. J Parasitol 57:437-8, Apr 71

GROWTH & DEVELOPMENT

Tick-host relationships. II. Factors affecting the circadian rhythm of "drop off" of engorged preimaginal stages of the tick Hyalomma excavatum (Koch, 1844) from the gerbil--Meriones tristrami. Hadani A, et al. Acta Trop (Basel) 27:184-90, 1970
Boophilus microplus: antihistaminic and tranquilizing drugs and cattle resistance. Tatchell RJ, et al. Exp Parasitol 26:369-77, Dec 69
Fertility and fecundity of Dermacentor variabilis reared from radioisotope--taggd larvae. Sonenshine DE. J Econ Entomol 63:1675-6, Oct 70
Fine structure of oogonial and oocyte development in Dermacentor andersoni Stiles (Acari: Ixodidae). Brinton LP, et al. J Parasitol 57:720-47, Aug 71
Gross anatomical, histological, and cytological aspects of ovarian development in Dermacentor andersoni (Stiles (Acari: Ixodidae). Brinton LP, et al. J Parasitol 57:708-19, Aug 71
Research note. Otobius megnini (Acarina: argasidae) in the ears of pronghorn antelope (Antilocapra americana) in New Mexico. Meleney WP, et al. J Parasitol 56:917, Oct 70
Resistance of cattle to the tick boophilus microplus (canestrini). I. Development of ticks on Bos taurus. Roberts JA. J Parasitol 54:863-6, Aug 68
Resistance of cattle to the tick boophilus microplus (canestrini). II. Stages of the life cycle of the parasite against which resistance is manifest. Roberts JA. J Parasitol 54:867-73, Aug 68
Theileria parva: comparative infection rates of adult and nymphal Rhipicephalus appendiculatus. Purnell RE, et al. Parasitology 62:349-53, Apr 71
[On oogenesis in Ornithodorus moubata Murray (Ixodoidea: Argasidae) with special emphasis upon vitellogenesis] Diehl PA. Acta Trop (Basel) 27:301-55, 1970 (Ger)
[Paralysis in chickens caused by Argas (Persicargas) persicus larvae. II. Immunity studies] Gothe R. Z Parasitenkd 35:308-17, 1971 (Ger)
[Paralysis in chickens caused by Argas (Persicargas) persicus larvae. I. The effect of the degree of engorgement and infection rate on clinical symptoms] Gothe R. Z Parasitenkd 35:298-307, 1971 (Ger)
[Studies on the parasite-host relationship of the tick Amblyomma testudinis (Conil 1877)] Schneider CC, et al. Z Tropenmed Parasitol 22:2-17, Mar 71 (Ger)
[2 forms of Demodex folliculorum ticks detected in man] Akbulatova LKh. Med Parazitol (Mosk) 39:700-4, Nov-Dec 70 (Rus)
[Supplementary methods of determining the physiological age of ixodid ticks (using Ixodes persulcatus P. Sch. of western Saian as an example)] Repkina LV. Med Parazitol (Mosk) 40:62-7, Jan-Feb 71 (Rus)
[Food providers for Alectorobius tartakovskyi 01. tick (Ixodoidea, Argasidae). Experimental data] Vasil'eva IS. Med Parazitol (Mosk) 39:34-9, Jan-Feb 70 (Rus)

IMMUNOLOGY

[Production of antisera for the hemolymph of blood-sucking ticks (Ixodoidea, Argasidae)] Stepanchenok-Rydnik GI, et al. Med Parazitol (Mosk) 38:338-9, May-Jun 69 (Rus)

ISOLATION & PURIFICATION

Ectoparasites and other arthropods from coastal Oregon. Clifford CM, et al. J Med Entomol 7:438-45, 25 Aug 70
Ticks of veterinary significance found on imports in the United States. Becklund WW. J Parasitol 54:622-8, Jun 68
Haemaphysalis (Haemaphysalis) indoflava sp. n. (Acarina: Ixodidae) from the Himalayan region of Uttar Pradesh, and Madras, India. Dhanda V, et al. J Parasitol 54:1063-7, Oct 68
[Amblyomma variegatum of African or Antillean origin and Rickettsia of the Dermacentroxenus genus] Capponi M, et al. Bull Soc Pathol Exot 62:1011-7, Nov-Dec 69 (Fre)

METABOLISM

Salivary secretion of the male tick during copulation. Feldman-Muhsam B, et al. J Insect Physiol 16:1945-9, Oct 70
Comparative changes in external respiration rates of engorged Rhipicephalus sanguineus female ticks with age and oviposition in different physical environments. Sweatman GK, et al. J Parasitol 54:841-56, Aug 68

PATHOGENICITY

[Ticks as carriers of infectious diseases] Sinnecker H. Z Gesamte Inn Med 24:Suppl:55-60, 1 Jan 69 (Ger)

PHYSIOLOGY

Tick feeding and its implications. Arthur DR. Adv Parasitol 8:275-92, 1970 (49 ref.)
Demonstration of a sex pheromone in three species of hard ticks. Berger RS, et al. J Med Entomol 8:84-6, 30 Mar 71
Feeding electrograms of Hyalomma aegyptium ticks at different temperatures. Sweatman GK, et al. J Med Entomol 7:575-84, Nov 70
A modification to the collection of saliva from Boophilus microplus. Clarke RH, et al. J Parasitol 57:194-5, Feb 71
Antigenic properties of tick secretions. Gregson JD. J Parasitol 56:1038-9, Oct 70

TIETZE'S SYNDROME (C3)

[Tietze's syndrome] Dichti K. Wien Med Wochenschr 120:460-2, 20 Jun 70 (Ger)
[The so-called chondrocostal precardial syndrome] Zömisch J. Z Aerztl Fortbild (Jena) 64:900-3, 1 Sep 70 (Ger)
[Tietze's syndrome] Parfir'ev GM. Khirurgiia (Mosk) 46:134-5, Sep 70 (Rus)
[Case of Tietze's syndrome] Korneichuk IaG. Klin Med (Mosk) 48:128-9, Jul 70 (Rus)

DIAGNOSIS

[Tietze's syndrome--a problem in differential diagnosis] Häckel H. Munch Med Wochenschr 113:47-9, 8 Jan 71 (Ger)
[Diagnosis and treatment of Tietze's syndrome] Shul'man MG. Klin Khir 2:67-8, Feb 71 (Rus)

DRUG THERAPY

[Diagnosis and treatment of Tietze's syndrome] Shul'man MG. Klin Khir 2:67-8, Feb 71 (Rus)

RADIOGRAPHY

[The radiological aspects of the Tietze syndrome] Cardona P, et al. Ann Radiol Diagn (Bologna) 43:3-13, 1970 (Ita)

TIGAN see TRIMETHOBENZAMIDE (D6)

TIGOGENIN see under SPIROSTANS (D2)

TIME (H)

Biology of the gene: the ergon-chronon system. Gedda L, et al. Acta Genet Med Gemellol (Roma) 18:329-79, Oct 69
Heredity of biological time and population genetics. Diabetes, lupus erythematosus, and peptic ulcer. Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:493-506, Oct 70
Automatic recording of pressure-time data. Bacon R, et al. Anal Biochem 41:277-8, May 71
Timer for use with a Zeiss photocoagulator. Gay P, et al. Br J Ophthalmol 54:702-3, Oct 70
The behavioral arousal threshold in infant sleep as a function of time and sleep state. Schmidt K, et al. Child Dev 42:269-77, Mar 71
A new approach to the determination of mRNA half-life time in HeLa cells without the use of actinomycin. Kramer G, et al. Hoppe Seylers Z Physiol Chem 352:843-52, Jun 71
The decay of indium-113m. Goodier IW, et al. Int J Appl Radiat Isot 21:678-9, Nov 70
Time, evolution and man. Kothari ML, et al. J Postgrad Med 16:51-64, Apr 70
Psychopathology and seasonal preferences; an aspect of temporal experience. Palmer RD. J Proj Tech Pers Assess 34:513-8, Dec 70
In the dark. Wilson J. Lancet 2:1034, 14 Nov 70
In the dark. Lancet 2:970, 7 Nov 70
The physician's pulse watch. Gibbs DD. Med Hist 15:187-90, Apr 71
Faculty time study. Enelhardt K. Nurs Res 20:74-7, Jan-Feb 71
Temporal anniversary manifestations: hour, day, holiday. Pollock GH. Psychoanal Q 40:123-31, 1971
On time, death, and immortality. Pollock GH. Psychoanal Q 40:435-46, 1971
Decay time of DDT. Bloom SG, et al. Science 172:213, 16 Apr 71
Time, time stance, and existence. Aaronson BS. Stud Gen (Berl) 24:369-87, 1971
The fiction of instants. Capek M. Stud Gen (Berl) 24:31-43, 1971
On the reality of becoming. Cassirer E. Stud Gen (Berl) 24:1-9, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

No paradox in the theory of time anisotropy. Costa de Beauregard O. Stud Gen (Berl) 24:10-8, 1971
Temporal order as the origin of spatial order in embryos. Goodwin BC. Stud Gen (Berl) 23:273-82, 1970
The Darwinian revolution in the concept of time. Haber FC. Stud Gen (Berl) 24:289-307, 1971
Instants and intervals. Hamblin CL. Stud Gen (Berl) 24:127-34, 1971
Personality and the psychology of time. Knapp RH. Stud Gen (Berl) 24:44-51, 1971
Tme in statistical physs and speial relativity. Landsberg PT. Stud Gen (Berl) 23:1108-58, 1970
The myth of the passage of time. Park D. Stud Gen (Berl) 24:19-30, 1971
Time and the modern self: Descartes, Rousseau, Beckett. (Descartes R), (Rousseau JJ), (Beckett S), Sebba G. Stud Gen (Berl) 24:308-25, 1971
Time in the evolutionary process. Smith JM. Stud Gen (Berl) 23:266-72, 1970
Time in particle physics. Taylor JG. Stud Gen (Berl) 23:1102-7, 1970
Time and the modern self: a change in dramatic form. Ungvári T. Stud Gen (Berl) 24:326-34, 1971
On Hegel--a study in sorcery. (Hegel GW), Voegelin E. Stud Gen (Berl) 24:335-68, 1971
Creative time. Watanabe S. Stud Gen (Berl) 23:1057-87, 1970
Employee perceptions of Daylight Savings Time as it influences job and patients' behavior. Cleland CC, et al. Train Sch Bull (Vinel) 67:25-9, May 70
Time zone transitions and business executives. Conroy RT. Trans Soc Occup Med 21:69-72, Jul 71
[Circadian variations in the reaction time and spontaneous tempo during an "out of time" experiment] Oléron G, et al. Annee Psychol 70:347-56, 1970 (Fre)
[Comparison of timing methods in sprinting] Singer R, et al. Int Z Angew Physiol 29:224-33, 1971 (Ger)
[Determination of the biological half life of 131-I-albumin by means of the whole body counter for clinical diagnosis] Wagner A, et al. Med Klin 65:248-52, 6 Feb 70 (Ger)
[Time asa physical concpt] Hund F. Stud Gen (Berl) 23:1088-101, 1970 (Ger)
[Physical and biological half-life of radiochemically pure 59Fe] Heinrich HC, et al. Z Naturforsch [B] 26:13-20, Jan 71 (Ger)
["Time" in the electroencephalogram] Nigro A. Riv Neurobiol 15:762-70, Oct-Dec 69 (Ita)
[The neurotic patient and time] Weissmann K. Rev Bras Med 28:78-9, Feb 71 (Por)

TIME PERCEPTION (F1)

The diminishing time-uncertainty with the lapse of time after the warning signal in reaction-time experiments with varying fore-periods. Näätänen R. Acta Psychol (Amst) 34:399-419, Dec 70
Time estimation during sleep. Zung WW, et al. Biol Psychiatry 3:159-64, 1971
Temporal perception and alcoholism. Barabasz AF, et al. Br J Addict 66:3-6, Jun 71
A study of two factors which affect arousal level and the apparent duration of a ten-minute interval. Aitken RC, et al. Br J Psychol 59:253-63, Aug 68
Children's judgements of duration. Hermelin BM, et al. Br J Psychol 62:13-20, Feb 71
The influence of certain child-rearing factors upon the development of a structured and salient sense of time. Zern D. Genet Psychol Monogr 81:197-254, May 70
Time-estimation skill assessment: a demostration of adaptive assessment techniques. Wargo MJ. Hum Factors 13:163-72, Apr 71
Temporal orientation and time estimation in chronic schizophrenics. Johnson JE, et al. J Clin Psychol 27:194-6, Apr 71
Modes of temporal orientation and psychopathology. Braley LS, et al. J Consult Clin Psychol 36:33-9, Feb 71
Temporal correlates of dogmatism. Cottle TJ. J Consult Clin Psychol 36:70-81, Feb 71
Development of preference for delayed reinforcement in disadvantaged children. Walls RT, et al. J Educ Psychol 61:118-23, Apr 70
Time estimation by young children with and without informational feedback. Crowder AM, et al. J Exp Child Psychol 10:295-307, Dec 70
Time judgment as a function of method, practice, and sex. Carlson VR, et al. J Exp Psychol 85:171-80, Aug 70
Influence of frequency on the estimation of time for auditory, visual, and tactile modalities: the Kappa effect. Yoblick DA, et al. J Exp Psychol 86:157-64, Nov 70
Time estimation and temporal orientation in delinquents and nondelinquents: a re-examination. Barabasz AF. J Gen Psychol 82:265-7, Apr 70
Future time perspective and impulsivity in old age. Lynch DJ. J Gen Psychol 118:245-52, Jun 71
Temporal orientation, human movement responses and time estimation. Barocas HA. J Pers Assess 35:315-9, Aug 71
Psychological distance, future time perspective, and internal-external expectancy. Tolor A, et al. J Proj Tech Pers Assess 34:283-94, Aug 70
The pace of life and sensitivity to time in urban and rural settings. A preliminary study. Lowin A, et al. J Soc Psychol 83:247-53, Apr 71
Future time perspectives of college students in America and in India. Meade RD. J Soc Psychol 83:175-82, Apr 71
Effects of knowledge of the ITI on time estimates: method of production. Hoyer WJ, et al. Percept Mot Skills 31:709-10, Dec 70
Effects of knowledge of the ITI on time estimates. Hoyer WJ, et al. Percept Mot Skills 31:392-4, Oct 70
Human time estimation: on differences between methods. McConchie RD, et al. Percept Mot Skills 32:319-36, Feb 71
Time estimation, sequence effects and filling activities. Shectman FA. Percept Mot Skills 30:23-6, Feb 70
Diunal variation of time perception. Pöppel E, et al. Psychol Forsch 34:182-98, 1970
Time competence and suicidal history. Broekopp GW, et al. Psychol Rep 28:80, Feb 71
Development of time concepts in normal and retarded children. Montroy P, et al. Psychol Rep 28:895-902, Jun 71
Effect of alcohol on auditory and visual time perception. Ehrensing RH, et al. Q J Stud Alcohol 31:851-60, Dec 70
Abstinence and time perception of alcoholics. Emrick CD. Q J Stud Alcohol 31:384-93, Jun 70
Temporal processes in alcoholism. Imber SD, et al. Q J Stud Alcohol 32:304-9, Jun 71
Future-time perspectives in alcoholics and normals. Sattler JM, et al. Q J Stud Alcohol 31:839-50, Dec 70
The dimensions of the sensible present. Dobbs HA. Stud Gen (Berl) 24:108-26, 1971
Oscillations as possible basis for time perception. Pöppel E. Stud Gen (Berl) 24:85-107, 1971
[Temporal conditioning of the alpha rhythm and time estimation] Fraisse P, et al. Annee Psychol 69:7-15, 1969 (Fre)
[Arrest of time as refusal of reality] Del Monaco F, et al. G Psichiatr Neuropatol 97:61-76, 1969 (Ita)
[Disorders of time experience and depresonalization in adolescence] Giovanardi Rossi P, et al. G Psichiatr Neuropatol 97:655-90, 1969 (Ita)
[Speech and temporospatial disorders: an experiment with the Language Master] Bonistalli E, et al. Riv Neurobiol 16:225-8, Apr-Jun 70 (Ita)
[Digression on subjective time] Lipke PR. Hospital (Rio de J) 77:905-11, Mar 70 (Por)
[Physiologic mechanisms of human adaptation to time intervals] Dmitriev AS. Zh Vyssh Nerv Deiat 20:293-302, Mar-Apr 70 (Rus)
[Study by means of a self-adjusting experiment of some characteristics of human rhythmic motor activity] Kryiova NV. Zh Vyssh Nerv Deiat 19:305-12, Mar-Apr 69 (Rus)
[A physiologic analysis of the interrelationship between conscious and unconscious trace processes in time measurement] Voronin LG, et al. Zh Vyssh Nerv Deiat 20:899-905, Sep-Oct 70 (Rus)
[Electrophysiologic data concerning perceived and unperceived trace processes in man during development] Voronin LG, et al. Zh Vyssh Nerv Deiat 20:431-40, Mar-Apr 70 (Rus)

DRUG EFFECTS

Marihuana and the temporal span of awareness. Melges FT, et al. Arch Gen Psychiatry 24:564-7, Jun 71
Effects of small doses of haloperidol on timing behavior. Ahlenius S, et al. J Pharm Pharmacol 23:301-2, Apr 71

TIN (D1)

Sn3-F3-PO4: the product of the reaction between stannous fluoride and hydroxyapatite. Jordan TH, et al. Arch Oral Biol 16:241-6, Mar 71
The interaction of triethyltin with a component of guinea-pig liver supernatant. Evidence for histidine in the binding sites. Rose MS, et al. Biochem J 120:151-7, Nov 70
Use of Fe(II) or Sn(II) alone for technetium labeling of albumin. Lin MS, et al. J Nucl Med 12:204-11, May 71
[Research toward the synthesis of organotin barbiturates] Maire JC, et al. Helv Chim Acta 54:749-54, 1971 (Fre)
[Studies on the brain edema in the rat induced by triethyltinsulfate. 9. Effect of mannitol on the electronoptic picture of the experimental triethyltinsulfate produced poisoning by the rat] Várkonyi T, et al. Arzneim Forsch 21:147-8, Jan 71 (Ger)
[Studies on the brain edema in the rat induced by triethyltinsulfate. 10. Effect of silymarin on the electronoptic picture of the experimental triethyltinsulfate produced poisoning in the rat] Várkonyi T, et al. Arzneim Forsch 21:148-9, Jan 71 (Ger)
[Behavior of liquor pressure in brain edema experimentally induced by triethyltin sulfate. Effect of aescin therapy] Zoltán TO, et al. Arzneim Forsch 20:1812-3, Nov 70 (Ger)
[Studies on the relation between triethyltin sulfate induced brain edema and liquor pressure in dogs. Effect of aescin therapy] Zoltán TO, et al. Arzneim Forsch 20:1939-41, Dec 70 (Ger)
[Irradiation field in works with tin 113-indium 113m-column and indium 113m] Grebe SF, et al. Strahlentherapie 140:448-51, Oct 70 (Ger)
[Removal of noise in tin] Koch H. Zentralbl Arbeitsmed 20:261-2, Sep 70 (Ger)
[Dehalogenation reactions by means of hexaethylditin. 3. Reactions with -keto halides] Shirai H, et al. J Pharm Soc Jap 91:560-4, May 71 (Jap)
[Pathomorphological changes in the excretory system of cestodes caused by tin arsenate] Koshkina NG. Med Parazitol (Mosk) 39:497, Jul-Aug 70 (Rus)
[Stannosis in Bolivia] Tejerina Raygada M. Rev Clin Esp 116:343-8, 28 Feb 70 (Spa)

ADVERSE EFFECTS

[Possible teratogenic influence of taenifuges with tin base (discussion of 3 cases of ectromelia)] Notter A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:319-20, 1968 (Fre)

ANALYSIS

A method for the determination of tin in the range 0.2 to 1.6 microgram, and its application to the determination of organotin stabiliser in certain foodstuffs. Adcock LH, et al. Analyst 95:868-74, Oct 70
The amount of tin in the gamma 1 phase of dental amalgam. Johnson LB Jr. J Biomed Mater Res 5:239-44, May 71
Pressure-induced disappearance of the gamma 2 (Hg8n7-8) phase in dental amalgam. Grenoble DE, et al. J Dent Res 50:109-15, Jan-Feb 71
Determination of tin in enamel and dentin by atomic absorption spectroscopy. Pearlman RS, et al. J Dent Res 49:Suppl:1437-43, Nov-Dec 70
[Studies on diffused element content of teeth with amalgam fillings using the neutron activation test] Mocke W. Dtsch Zahnaerztl Z 26:657-64, Jun 71 (Ger)
[Iodometric method for the assay of tin contents. II. Modification of the iodometric method for the assay of the contents of tin] Fitak B, et al. Rocz Panstw Zakl Hig 21:293-302, 1970 (Pol)

ANTAGONISTS & INHIBITORS

[Studies of triethyltin-sulfate-induced brain edema in rats. 7. Therapeutic effect of silymarin, theophyllin and mannit on triethyltin sulfate poisoning in rats in a conditioned reflex test] Zoltán OT, et al. Arzneim Forsch 20:1248-9, Sep 70 (Ger)

METABOLISM

Oxidative phosphorylation. The specific binding of trimethyltin and triethyltin to rat liver mitochondria. Aldridge WN, et al. Biochem J 118:171-9, Jun 70
Placental transfer of fluoride and tin in rats given various fluoride and tin salts. Theuer RC, et al. J Nutr 101:525-32, Apr 71

PHARMACODYNAMICS

Effects of triphenyltin compounds on the adenosine triphosphatase activity of beef heart submitochondrial particles. Byington KH. Biochem Biophys Res Commun 42:16-22, 8 Jan 71
Selective inhibition of glucose oxidation by triethyltin in rat brain in vivo. Cremer JE. Biochem J 119:95-102, Aug 70
Effects of some cations and of fructose on human prostatic acid phosphatase. Shirai Y, et al. Enzymologia 39:125-8, 31 Aug 70
Effects of trialkyltin and triphenyltin compounds on mitochondrial respiration. Stockdale M, et al. Eur J Biochem 15:342-51, Aug 70
Effecto of actidione, griseofulvin and triphenyltin acetate on the kinetics of fungal growth. Trinci AP, et al. J Gen Microbiol 60:287-92, Mar 70

POISONING

Some new observations in triethyl-tin intoxication of rats. Suzuki K. Exp Neurol 31:207-13, May 71
Experimental investigation of the toxic effect of tetraethyltin and dichlordibutyltin on the animal organism. Mazayev VT, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 15:115-20, 1971
Collapse of the blood-brain barrier in lymphostatic cerebral hemangiopathy and in triethyltin poisoning. Joó F, et al. Med Exp (Basel) 19:342-50, 1969
[Studies on the brain edema induced by triethyltinsulfate in rats. 8. The effect of theophylline on the fine structural alterations in experimental triethyltinsulfate-induced poisoning in rats] Várkonyi T, et al. Arzneim Forsch 20:1594-5, Oct 70 (Ger)
[Neurologic and brain electric disorders in acute poisoning with organic tin compounds] Prüll G, et al. Nervenarst 41:516-20, Oct 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Changes in the EEG and various autonomic reactions in poisoning by organic tin derivatives] Mazaev VT, et al. Biull Eksp Biol Med 68:72-4, Nov 68 (Rus)

TOXICITY

The acute toxicity LD50 of some "di-n-octyl-tin compounds" tested in mice. Pelikan Z.
Arch Belg Med Soc 27:645-9, Nov-Dec 69
Toxic effects of some di-n-octyltin compounds in white mice. Pelikan Z, et al.
Food Cosmet Toxicol 8:655-8, Dec 70
[Experimental production of cerebral edema by triethyltin sulfate] Cahen R, et al.
C R Acad Sci [D] (Paris) 271:1816-9, 16 Nov 70 (Fre)

TINEA (C1, C12)

Tinea nigra palmaris. Cutlip BD Jr, et al.
Milit Med 135:192-3, Mar 70
An outbreak of animal ringworm. Mulroy R.
Practitioner 206:673-5, May 71
[Follicular trichophytosis of the leg in a woman] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 76:251-4, 1969 (Fre)
[A recent case of "dermatophytic disease": epidermomycosis (T. violaceum) with dermoepidermal localizations] Catanzano G, et al.
Maroc Med 50:153-7, Mar 70 (Fre)
[Epidemiological aspects of the obligation to report microsporosis] Gromzig H, et al.
Mykosen 12:75-6, 1 Jan 69 (Ger)
[Fungus names and disease names. Practical difficulties in the diagnosis and naming of diseases caused by Microsporum, Trichophyton and Epidermophyton] Rieth H.
Mykosen 13:571-2, 1 Nov 70 (Ger)
[Disturbing discrepancies between the names of fungi and the names of diseases. I. Trichophytosis, microsporia, epidermophytosis] Rieth H.
Mykosen 12:711-2, 1 Dec 69 (Ger)
[On the occupational risk of certain deep dermatophytoses] Gennaro T, et al.
Minerva Med 62:2148-51, 26 May 71 (Ita)
[Trichophytia of the face mainly invading the hair follicules] Hashimoto T.
Acta Dermatol (Kyoto) 65:279-81, Nov 70 (Jap)
[Case of Celsus' kerion] Yamamoto T, et al.
Acta Dermatol (Kyoto) 65:275-7, Nov 70 (Jap)
[Trichophyton rubrum in dermatology] Borda JM.
Arch Argent Dermatol 19:1-43, Mar-Jun 69 (Spa)

COMPLICATIONS

Tinea faciale and lupus erythematosus. McEachin LB.
JAMA 217:828, 9 Aug 71
[Generalized eczema of mycotic origin (Trichophyton rubrum)] Colomb D, et al.
Lyon Med 221:1095, 4 May 69 (Fre)
[Follicular trichophytosis of the face with concurrent mycosis of the finger nails] Hauck H, et al.
Mykosen 14:233-6, 1 May 71 (Ger)

DIAGNOSIS

A rapid and simple method for the laboratory diagnosis of Trichophyton verrucosum. English MP.
J Med Microbiol 3:557-9, Aug 70
Lupus-erythematosus-like tinea of the face (tinea faciale). Gilgor RS, et al. JAMA 215:2091-4, 29 Mar 71
Tinea faciei simulating other dermatoses. Shapiro L, et al. JAMA 215:2106-7, 29 Mar 71
Tinea nigra palmaris resembling malignant melanoma. Yaffee HS. N Engl J Med 283:1112, 12 Nov 70
[Tinea due to Trichophyton soudanense in very pityriasic form: diagnostic considerations] Battesti R, et al. Lyon Med 221:1033-3, 27 Apr 69 (Fre)
[Clinical aspects and mycology of tinea follicularis cruris] Herpay Z. Mykosen 11:109-18, 1 Feb 68 (Ger)
[Superficial "trichophytosis" caused by Microsporum gypseum] Immel L. Mykosen 10:375-82, 1 Sep 67 (Ger)
[Tropical ringworm, Madura foot and chromo(blasto)mycosis] Rieth H.
Mykosen 11:745-6, 1 Oct 68 (Ger)
[Early diagnosis and specific treatment of various microsporum form infections in general practice] Rieth H. Mykosen 13:103-4, 1 Feb 70 (Ger)
[Trichophyton purpureum infection of the face simulating lupus erythematosus] Trofimova LIa, et al.
Vestn Dermatol Venerol 44:73-5, Nov 70 (Rus)
[Atypical manifestations of trichophytosis due to Trichophyton violaceum and the value of its early diagnosis] Kachnič M, et al.
Cesk Dermatol 45:345-52, Sep 70 (Slo)

DRUG THERAPY

Relapse and resistance of ringworm infection following griseofulvin treatment. Banerjee AK.
Bull Calcutta Sch Trop Med 17:52-3, Apr 69
Observations on the effectiveness of oral griseofulvin in the treatment of dermatophytosis. Dhariwal TR.
Indian J Dermatol 15:83-4, Apr 70
A new antifungal agent--tolnaftate. Behl PN, et al.
J Indian Med Assoc 54:320-2, 1 Apr 70
Griseofulvin. Goldman L.
Med Clin North Am 54:1339-45, Sep 70 (23 ref.)
[2 cases of allergy to pecilocine (Variotin)] Norgaard O.
Ugeskr Laeger 132:2448-9, 17 Dec 70 (Dan)
[Some important concepts relative to massive treatment of tinea] Grin EI, et al.
Maroc Med 48:36-9, Jan 68 (Fre)
[Experimental study of the antifungal effect of phenyl mercury borate. II. Animal study] Grigoriu D, et al.
Mykosen 13:85-90, 1 Feb 70 (Fre)
[In vitro studies on the usefulness of 1-p-chlorobenzyl-2-methylbenzimidazole in the treatment of mycoses] Raab W, et al.
Arch Dermatol Forsch 240:365-74, 1971 (Ger)
[Classical clinical cases of successful griseofulvin treatment] Immel L, et al.
Mykosen 11:1-8, 1 Jan 68 (Ger)
[Therapeutic experiences with pimaricin skin ointment in deep trichophytoses] Michalowski R, et al. Mykosen 12:233-7, 1 Apr 69 (Ger)
[Effects of amphotericin B on experimental mouse trichophytosis in oral administration] Plempel M.
Mykosen 14:459-60, 1 Sep 71 (Ger)
[Treatment of superficial dermatomucoses with Gricin ointment in a double blind trial] Pöhler H.
Mykosen 12:665-71, 1 Nov 69 (Ger)
[Treatment results with the antimycotic agent Wespuril] Roth WG. Mykosen 11:583-8, 1 Aug 68 (Ger)
[Testing of antimycoticly active substances on the model of experimental cockscomb epidermophytosis. 2. Comparison of results of fungistasis, fungicidity and cockscomb epidermophytosis tests] Weuffen W, et al. Mykosen 13:39-44, 1 Jan 70 (Ger)
[Testing of antimycotic active substances on the model of experimental cockscomb epidermophytosis. I. Methods and testing of 3,5-dibenzyl-2-thion-tetrahydro-1,3,5-thiadiazine (D 47)] Weuffen W. Mykosen 11:33-9, 1 Jan 68 (Ger)
[Griseofulvin ointment treatment of superficial trichophytoses] Wozniak KD, et al.
Mykosen 13:427-34, 1 Sep 70 (Ger)
[Combined method of treatment of children with microsporum infections griseofulvin and epilin (empiastrum)] Beliakov SN.
Vestn Dermatol Venerol 44:74-7, Mar 70 (Rus)

ETIOLOGY

Mycological aspects of dermatomycosis in Hyderabad. Dutta SB, et al.
Indian J Pathol Bacteriol 13:30-4, Jan 70
Trichophyton simii infection in man and animals. Mohapatra LN, et al.
Mycopathol Mycol Appl 41:357-62, 4 Dec 70
Microsporum gypseum infection in the parrot (Melopsittacus undulatus). Alteraş I, et al.
Mykosen 13:377-9, 1 Aug 70
Unusual localisation of Kerion celsi in adult. Alteraş I, et al. Mykosen 12:607-9, 1 Oct 69
Human infection by Trichophyton mentagrophytes from rabbits. Alteraş I, et al.
Mykosen 12:543-4, 1 Sep 69
First case of tinea infection by Microsporum nanum in Romania. Alteraş I. Mykosen 13:447-50, 1 Sep 70
Endemic trichophytosis in Brazilian pemphigus patients. Castro RM, et al. Mykosen 13:273-6, 1 May 70
Study of human and animal dermatophytoses in rural areas. II. Mahajan VM, --et al.
Mykosen 11:793-8, 1 Nov 68
Trichophyton rubrum infection in a family transmitted from a cat. Refai M, et al. Mykosen 11:191-4, 1 Mar 68
Microsporum gypseum--infection with a nodular id-reaction. Sonck CE. Mykosen 12:343-8, 1 Jun 69
[Boarding school epidemic of an erythrasma-like inguinal tinea caused by Epidermophyton floccosum and Trichophyton mentagrophytes] Meinhof W, et al.
Hautarzt 22:192-9, May 71 (Ger)
[Dermatophytosis in humans caused by mixed infection of Trichophyton verrucosum and Trichophyton mentagrophytes of animal origin] Abou-Gabal M, et al.
Mykosen 11:647-50, 1 Sep 68 (Ger)
[The dermatophyte flora of East Bohemia] Dvořák J, et al. Mykosen 12:183-90, 1 Mar 69 (Ger)
[The different epidemiological importance of various anthropophilic, zoophilic, anthropozoophilic and geophilic microsporum strains] Rieth H.
Mykosen 12:151-2, 1 Feb 69 (Ger)
[Trichophyton violaceum variations in skin diseased patients in Ethiopia] Schaller KF, et al.
Mykosen 11:811-4, 1 Nov 68 (Ger)
[A dermatophyte (Trichophyton tonsurans) isolated from zoo animals] Schönborn C.
Mykosen 14:19-30, 1 Jan 71 (Ger)
[Data on the origin of rural human trichophytoses. (Contribution to the work of Chmel, L., Buchvald, J. and Kleibl, K. "The role of enviromental factors on the development of natural foci of dermatomycoses"] Szathmáry S. Mykosen 11:217-26, 1 Mar 68 (Ger)
[Plant origin of trichophytosis. I] Szathmáry S, et al.
Mykosen 11:631-46, 1 Sep 68 (Ger)
[Endemic Microsporum canis infection transmitted by a Siamese cat] Winkler A.
Mykosen 13:45-8, 1 Jan 70 (Ger)
[Superficial trichophytosis of the scalp in adults as a source of infection in children] Stefańska-Tuderowicz H. Przegl Dermatol 58:169-75, Mar-Apr 71 (Pol)

FAMILIAL & GENETIC

[Familial polymorphous erythemato-squamous trichophytosis due to Trichophyton rubrum] Colomb D, et al. Lyon Med 221:1024, 27 Apr 69 (Fre)

HISTORY

[Dermatophytes and dermatophytoses. History in current view] Loeffler W.
Mykosen 12:589-606, 1 Oct 69 (Ger)

IMMUNOLOGY

[Reinfection trials with Trichophyton strains in guinea pigs and cattle] Plempel M, et al.
Mykosen 12:349-52, 1 Jun 69 (Ger)
[Clinical experimental study on the specific reactivity status of the organism in mycoses caused by Trichophyton (Epidermophyton) rubrum] Schetsiruli LT. Mykosen 14:429-32, 1 Sep 71 (Ger)
[Immunoallergic reactions of the organism in mycoses caused by Trichophyton rubrum and certain zoophilic fungi (clinico-laboratory and experimental studies)] Brusilovskaia DA.
Vestn Dermatol Venerol 44:47-51, Mar 70 (Rus)
[Immunological indices in sensitizing animals with an antigen from a culture of Trichophyton rubrum] Tseitlina BB.
Vestn Dermatol Venerol 44:36-9, Jul 70 (Rus)

MICROBIOLOGY

Dermatophyte infection caused by Aphanoascus fulvescens. Rippon JW, et al.
Arch Dermatol 102:552-5, Nov 70
First mention of Nannizzia persicolor (Trichophyton or Microsporon?) Stockdale, 1967 in Romania. Alteras I.
Mycopathologia Mycol Appl 40:375-81, 31 Aug 70
[Dermatomycoses from the Mediterranean area in Germany] Meinhof W, et al.
Dtsch Med Wochenschr 96:234-7, 5 Feb 71 (Ger)
[Saprophytic forms of various dermatophytes in vivo] Schick G. Mykosen 12:239-42, 1 Apr 69 (Ger)
[Initial appearance in Germany of a Trichophyton rubrum variant occurring in Nigeria] Schönborn C.
Mykosen 12:523-32, 1 Sep 69 (Ger)
[Microsporum fluorescence] Zehetmeier H, et al.
Mykosen 13:71-8, 1 Feb 70 (Ger)
[Further observations on Gienosporella peralbida Castellani 1964] Mungelluzzi C, et al.
Arch Ital Sci Med Trop Parassitol 50:231-7, Sep-Oct 70 (Ita)
[4 cases of trichophytosis by Microsporum gypseum in the lanuginous hair region] Watanabe S, et al.
Acta Dermatol (Kyoto) 65:225-36, Nov 70 (Jap)
[Urease test in the identification of Trichophyton rubrum and T. mentagrophytes] Ramos CD, et al.
Hospital (Rio de J) 78:1163-5, Oct 70 (Por)

OCCURRENCE

Microsporum distortum ringworm in New Zealand. Smith JM. Australas J Dermatol 11:131-8, Dec 70
Dermatophytoses in India. Sanyal M.
Bull Calcutta Sch Trop Med 17:54-9, Apr 69
A case of Trichophyton soudanese in Ireland. Buckley DB, et al. J Ir Med Assoc 64:256-7, 13 May 71
A short review on dermatophytoses of animals in Romania. Alteras I.
Mycopathol Mycol Appl 43:17-23, 25 Jan 71 (21 ref.)
Dermatophytoses in Poona, India. Observations on incidence, clinical features, environmental factors and causal agents studied during 1958 to 1963 at sassoon hospitals, Poona. Padhye AA, et al.
Mycopathologia Mycol Appl 40:325-36, 31 Aug 70
Study of human and animal dermatophytoses in rural areas. I. Mahajan VM, et al. Mykosen 11:687-96, 1 Oct 68
Microsporum canis infections in SW-Finland. Sonck CE.
Mykosen 13:49-59, 1 Jan 70
A ten-year survey of the cutaneous mycoses in the State of Rio Grande do Sul (Brasil). I. Dermatophytoses. Londero AT, et al.
Rev Inst Med Trop Sao Paulo 12:339-42, Sep-Oct 70
[Microsporum infection a rarity?] Tritsmans E, et al.
Arch Belg Dermatol Syphiligr 24:13-7, 1968 (Dut)
[Further observations on tineas in the Republic of Somalia] Vanbreuseghem R.
Ann Soc Belg Med Trop 48:513-26, 1968 (Fre)
[Various dermatophytoses unusual in Belgium] Dockx P.
Arch Belg Dermatol Syphiligr 26:1-11, Jan-Mar 70 (Fre)
[Epidemiology of Epidermophyton floccosum in Thuringia] Jung R, et al.
Mykosen 11:503-6, 1 Jul 68 (Ger)
[Changes in the clinical picture of the Trichophyton rubrum infection in the Soviet Union during the last

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

30 years] Rukawischnikowa WM, et al. Mykosen 13:219-42, 1 May 70 (Ger)
[The occurrence of a Trichophyton rubrum-like dermatophyte in beasts of prey (Carnivora)] Schönborn C. Mykosen 13:381-96, 1 Aug 70 (Ger)
[The mycotic flora in Israel] Ziprkowski L, et al. Mykosen 12:177-81, 1 Mar 69 (Ger)
[Dermatomycoses in the highlands of Ethiopia] Brinkmann UK. Z Tropenmed Parasitol 22:17-36, Mar 71 (Ger)
[Concomitant epidemy and epizooty caused by T. mentagrophytes] González Ochoa A, et al. Rev Invest Salud Publica 30:185-8, Jul-Sep 70 (Spa)

PATHOLOGY

[Testing of antimycotiely active substances on the model of experimental cockscomb dermatophytosis. 3. Comparative histological studies of mycosis foci of the cockscomb and of the back skin of the guinea pig] Sulzmann R, et al. Mykosen 14:15-8, 1 Jan 71 (Ger)

PHYSIOPATHOLOGY

[Hydrogen ion concentration of the skin in relation to susceptibility to trichophytosis] Braun W, et al. Dermatol Monatsschr 155:651-60, 1969 (Ger)

VETERINARY

A short review on dermatophytoses of animals in Romania. Alteraș I. Mycopathol Mycol Appl 43:17-23, 25 Jan 71 (21 ref.)
Trichophyton simii infection in man and animals. Mohapatra LN, et al. Mycopathol Mycol Appl 41:357-62, 4 Dec 70
Ringworm in animals in a farm in Assiut. Abdallah IS, et al. Mykosen 14:175-8, 1 Apr 71
Microsporum gypseum infection in the parrot (Melopsittacus undulatus). Alteraș I, et al. Mykosen 13:377-9, 1 Aug 70
Four epizooties of Trichophyton gallinae infection on chickens in Brazil. Londero AT, et al. Mykosen 12:31-8, 1 Jan 69
Study of human and animal dermatophytoses in rural areas. II. Mahajan VM, et al. Mykosen 11:793-8, 1 Nov 68
Trichophyton rubrum infection in a family transmitted from a cat. Refai M, et al. Mykosen 11:191-4, 1 Mar 68
Griseofulvin in dimethyl sulfoxide: penetration into guinea-pig skin and clinical findings in feline ringworm. Levine HB, et al. Sabouraudia 9:43-9, Mar 71
Microsporum canis infection in a rabbit. Saxena SP, et al. Sabouraudia 8:235-6, Nov 70
Parasitic skin diseases of dogs and cats. Baker KP. Vet Rec 87:452-9, 17 Oct 70
[Experiments on immunoprophylaxis of bovine trichophytosis] Kielstein P, et al. Arch Exp Veterinaermed 24:1205-18, 1970 (Ger)
[Ringworm in cattle and the economic treatmen with Defungit] Vujić B. Berl Munch Tieraerztl Wochenschr 84:144-6, 15 Apr 71 (Ger)
[Trichophyton mentagrophytes infection in a breeding-swine herd] Kielstein P, et al. Monatsh Vet Med 25:127-30, 15 Feb 70 (Ger)
[Prevention of bovine trichophytosis in large herds by active immunization] Kielstein P, et al. Monatsh Vet Med 25:334-7, 1 May 70 (Ger)
[Dermatophytosis in pigs caused by Trichophyton mentagrophytes (Robin) Blanchard (1896)] Otčenášek M, et al. Monatsh Vet Med 25:130-3, 15 Feb 70 (Ger)
[The dermatophyte flora of East Bohemia] Dvořák J, et al. Mykosen 12:183-90, 1 Mar 69 (Ger)
[Dermatomycoses in horses] Plempel M, et al. Mykosen 11:29-32, 1 Jan 68 (Ger)
[A dermatophyte (Trichophyton tonsurans) isolated from zoo animals] Schönborn C. Mykosen 14:19-30, 1 Jan 71 (Ger)
[The occurrence of a Trichophyton rubrum-like dermatophyte in beasts of prey (Carnivora)] Schönborn C. Mykosen 13:381-96, 1 Aug 70 (Ger)
[Microsporum infection in humans and dog caused by M. canis transmitted by an imported cat] Simić L, et al. Mykosen 12:699-703, 1 Dec 69 (Ger)
[Generalized dermatomycosis in mink] Zimmermann H, et al. Mykosen 14:197-9, 1 Apr 71 (Ger)
[The distribution of dermatophytes in fur animals (mink and chinchilla)] Böhm KH, et al. Zentralbl Veterinaermed [B] 16:775-83, Dec 69 (Ger)
[Hexamid in trichophytosis of cattle] Abdullin KhKh, et al. Veterinariia 10:61-2, Oct 70 (Rus)
[Efficacy of veterinary measures in trichophytosis in calves] Ivanov LI. Veterinariia 10:59-60, Oct 70 (Rus)
[Trichophytosis among rodents of a vivarium] Pesterov PN. Veterinariia 10:56, Oct 70 (Rus)

TINEA CAPITIS (C1, C12)

A variant of Trichophyton mentagrophytes in Thailand. Chermsirivathana S, et al. J Med Assoc Thai 54:274-6, Apr 71
[Mycoses of the head in children] Zabel R, et al. Dermatol Monatsschr 156:67-79, 1970 (Ger)
[Should fungus diseases of the scalp caused by Microsporum ferrugineum be called microsporosis or by a different name?] Gromzig H, et al. Mykosen 13:563-4, 1 Nov 70 (Ger)

DIAGNOSIS

Witkop disease. Two 'favoid' cases due to syphilis. Jain PS. Br J Vener Dis 47:216-7, Jun 71
[Pityriasic type of tinea caused by Trichophyton soudanense. Diagnostic considerations] Battesti MR, et al. Bull Soc Fr Dermatol Syphiligr 76:373-4, 1969 (Fre)
[Follicular microsporum infections and trichophytoses, which stimulate Alopecia areata "Tinea decalvans". Personal observations] Evolceanu R. Mykosen 11:9-10, 1 Jan 68 (Ger)

DRUG THERAPY

Weekly griseofulvin therapy for tinea capitis. Ziprkowski L, et al. Mykosen 12:105-10, 1 Feb 69
[Treatment of tinea capitis with high dosages of griseofulvin] Fonseca A da, et al. Mykosen 11:51-2, 1 Jan 68 (Ger)
[Therapeutic experiences with pimaricin skin ointment in deep trichophytoses] Michalowski R, et al. Mykosen 12:233-7, 1 Apr 69 (Ger)
[Remote results of observations of patients with scalp mycoses following treatment with epilin plaster] Artem'eva ET. Vestn Dermatol Venerol 44:50-3, Aug 70 (Rus)
[Development of resistance to griseofulvin in tinea capitis cases] Ekmen H, et al. Turk Hij Tecr Biyol Derg 30:122-31, 1970 (Tur)

ETIOLOGY

Trichophyton rubrum as the cause of kerion. Sanyal M, et al. Bull Calcutta Sch Trop Med 18:45-6, Apr 70

MICROBIOLOGY

[Saprophytic forms of various dermatophytes in vivo] Schick G. Mykosen 12:239-42, 1 Apr 69 (Ger)
[The dynamics of the agents of mycoses of the scalp in the Udmurt ASSR (1959-1968)] Egorova MN. Vestn Dermatol Venerol 44:42-5, Dec 70 (Rus)

OCCURRENCE

Tinea capitis in infants. (A survey of 70 cases). Alteraș I. Mykosen 13:567-8, 1 Nov 70
Tinea capitis in North India. Hajini GH, et al. Sabouraudia 8:170-3, Nov 70
[Further observations on tineas in the Republic of Somalia] Vanbreuseghem R. Ann Soc Belg Med Trop 48:513-26, 1968 (Fre)

PATHOLOGY

Contribution to the knowledge of dermatophytic invasion of hair. An investigation with the scanning electron microscope. Tosti A, et al. J Invest Dermatol 55:123-34, Aug 70
[Hair damage caused by Trichophyton Schoenleinii examined under scanning-electron microscope before and after antimycotic treatment] Orfanos C, et al. Klin Wochenschr 48:1111-9, 15 Sep 70 (Ger)

THERAPY

[An unusual treatment of trichophytosis capitis profunda] Jung HD. Mykosen 11:911-4, 1 Dec 68 (Ger)

TINEA FAVOSA (C1, C12)

DRUG THERAPY

[Remote results of observations of patients with scalp mycoses following treatment with epilin plaster] Artem'eva ET. Vestn Dermatol Venerol 44:50-3, Aug 70 (Rus)

ETIOLOGY

[Mouse favus in the human as an occupational dermatomycosis] Abou-Gabal M, et al. Mykosen 11:525-8, 1 Jul 68 (Ger)
[Dermatophytosis in the white mouse] Cuturić S. Mykosen 12:25-30, 1 Jan 69 (Ger)

FAMILIAL & GENETIC

[Favus in 4 generations] Jung L, et al. Mykosen 11:185-90, 1 Mar 68 (Ger)
[Familial favus] Prochacki H. Mykosen 13:451-5, 1 Sep 70 (Ger)

MICROBIOLOGY

[The dynamics of the agents of mycoses of the scalp in the Udmurt ASSR (1959-1968)] Egorova MN. Vestn Dermatol Venerol 44:42-5, Dec 70 (Rus)

OCCURRENCE

[Tinea favosa in black Africa] Basset M, et al. Maroc Med 48:40-2, Jan 68 (Fre)
[Occurrence and clinical course of spontaneous trichophytosis in white mice] Cuturić S, et al. Mykosen 12:127-32, 1 Feb 69 (Ger)

PATHOLOGY

Affection of the arrectores pilorum muscles in favus. Awad M, et al. Mykosen 12:23-4, 1 Jan 69

VETERINARY

[Occurrence and clinical course of spontaneous trichophytosis in white mice] Cuturić S, et al. Mykosen 12:127-32, 1 Feb 69 (Ger)

TINEA PEDIS (C1, C12, C17)

COMPLICATIONS

[Hand mycosis caused by the yeast Candida parapsilosis concomitant with foot mycosis caused by the dermatophyte Trichophyton rubrum] Rieth H. Mykosen 11:169-70, 1 Feb 68 (Ger)

DIAGNOSIS

Tinea pedis--a clinical and mycological study. Bhutani LK, et al. Mykosen 13:351-4, 1 Jul 70

DRUG THERAPY

Treatment of long-term tinea pedis with miconazole. Double-blind clinical evaluation. Brugmans JP, et al. Arch Dermatol 102:428-32, Oct 70
Preliminary results in the long-term local treatment of tinea pedis with Pimafucin. Alteraș I. Mykosen 14:443-6, 1 Sep 71
Borotannic complex in athlete's foot. Simmonds AJ. Practitioner 206:265-70, Feb 71
[Mycoses know no winter] Rieth H. Mykosen 11:757, 1 Oct 68 (Ger)

ETIOLOGY

[Trichophyton tonsurans as causative agent of a chronically recurring foot mycosis concomitant with pityriasis versicolor] Abou-Gabal M, et al. Mykosen 11:243-4, 1 Mar 68 (Ger)
[Pathogenesis of Tinea pedis, especially in peripheral blood circulation disorders] Dahlke H. Mykosen 14:437-41, 1 Sep 71 (Ger)
[Combined dermatophytic nail infection due to Microsporum ferrugineum and Trichophyton rubrum] Otčenášek M, et al. Mykosen 14:111-3, 1 Mar 71 (Ger)

OCCURRENCE

Tinea pedis--a penalty of civilization. A sample survey of rural and urban population. Bhutani LK, et al. Mykosen 14:335-6, Jun 71
[Studies on the distribution of Tinea pedum among the population] Koch HA, et al. Dermatol Monatsschr 156:1042-6, Dec 70 (Ger)
[[Pathogenesis of tinea pedis, particularly in peripheral circulation disorders. 1st continuation] Dahlke H. Mykosen 14:409-13 contd, 1 Aug 71 (Ger)

PHYSIOPATHOLOGY

[Pathogenesis of tinea pedis, especially in peripheral circulation disorders] Dahlke H. Mykosen 14:353-9 contd, Jun 71 (Ger)

PREVENTION & CONTROL

Bites and stings and other skin troubles. Birch CA. Community Health (Bristol) 1:29-35, Jul-Aug 69
Prophylaxis of tinea pedis. Efficacy of tolnaftate powder and its talc-cornstarch base. Burrill BB, et al. J Med Soc NJ 67:629-31, Oct 70

TINEA UNGUIUM (C1, C12)

[Rare cases of nail infections by zoophilic fungi] Fomin KF, et al. Vestn Dermatol Venerol 44:79-82, Aug 70 (Rus)
[Hand onychomycosis] Zapater RC, et al. Arch Argent Dermatol 19:183-7, Dec 69 (Spa)

COMPLICATIONS

Finger-nail fungal infection as a sensitizer in eczema of the hands. (Clinical observations). Beiezos NK. G Ital Dermatol 44:454-5, Sep 69
[Follicular trichophytosis of the face with concurrent

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mycosis of the finger nails] Hauck H, et al.
Mykosen 14:233-6, 1 May 71 (Ger)

DIAGNOSIS

[Differential diagnosis of onychomycosis and nail psoriasis using capillary microscopy] Götz H, et al.
Hautarzt 22:289-94, Jul 71 (Ger)

DRUG THERAPY

[Treatment of onychomycosis with 3:5-dichloro-4'-fluoro thiocarbanilide] Madeo V.
Brux Med 50:377-80, May 70 (Fre)
[Local treatment of dermatophyte onychomycoses with a new hydrogel with PHB base] Alteraș I.
Mykosen 14:45-6, 1 Jan 71 (Fre)

ETIOLOGY

[Nondermatophyte fungi and ungual keratin: in vitro experimental study] Roobaert N.
Arch Belg Dermatol Syphiligr 26:13-20, Jan-Mar 70 (Fre)
[Onychomycosis due to saprophytic fungi] Liautaud B, et al. Presse Med 79:1163-6, 22 May 71 (Fre)
[Microascus desmosphorus(Lechmere)Curzi 1931 as causative agent of toe-nail mycosis] Schönborn C, et al. Dermatol Monatsschr 156:615-26, 1970 (Ger)
[Combined dermatophytic nail infection due to Microsporum ferrugineum and Trichophyton rubrum] Otčenášek M, et al.
Mykosen 14:111-3, 1 Mar 71 (Ger)
[Rare dermatophytic causative agents of nail mycoses: Trichophyton Schönleinii, Trichophyton verrucosum, Microsporum canis and Microsporum gypseum] Rieth H. Mykosen 14:143-4, 1 Mar 71 (Ger)
[Plant origin of trichophytoses. 3] Szathmáry S.
Mykosen 13:551-61, 1 Nov 70 (Ger)

IMMUNOLOGY

[Immunoallergic reactions of the organism in mycoses caused by Trichophyton rubrum and certain zoophilic fungi (clinico-laboratory and experimental studies)] Brusilovskaia DA.
Vestn Dermatol Venerol 44:47-51, Mar 70 (Rus)

MICROBIOLOGY

Onychomycosis caused by fusarium oxysporum. Rush-Munro FM, et al.
Australas J Dermatol 12:18-29, Apr 71
[Fungal flora of the nails in consideration of Trichophyton megninii] Krentel G.
Dermatol Monatsschr 156:627-34, 1970 (Ger)
[Dynamics of the trichophyton infection of human nails] Alkiewicz J. Mykosen 11:481-90, 1 Jul 68 (Ger)
[The fungal flora of nails changed by disease in the district of Dresden and their sensitivity to pimaricin] Blaschke-Hellmessen R.
Mykosen 11:491-502, 1 Jul 68 (Ger)
[Fungal flora of diseased and healthy toenails] Seebacher C. Mykosen 11:893-902, 1 Dec 68 (Ger)

OCCURRENCE

Onychomycosis in Egypt. Abdel-Fattah A, et al.
Mykosen 12:503-6, 1 Aug 69
A ten-year survey of the cutaneous mycoses in the state of Rio Grande do Sul (Brasil). II. Candidiasis of skin and nail. Londero AT, et al.
Rev Inst Med Trop Sao Paulo 12:412-4, Nov-Dec 70
[Mold infections of the toe nails] Schönborn C, et al.
Mykosen 13:253-72, 1 May 70 (Ger)
[Statistical evaluation of examination results of the fungal flora in 1968 in the Dermatological Dispensary of Graz] Weitgasser H, et al.
Mykosen 12:133-7, 1 Feb 69 (Ger)

URINE

[Effect of therapeutic doses of griseofulvin on porphyrin metabolism] Haneke E, et al.
Dtsch Gesundheitsw 26:404-5, 25 Feb 71 (Ger)

TINEA VERSICOLOR (C1, C12)

Tinea versicolor of penis. Blumenthal HL.
Arch Dermatol 103:461-2, Apr 71

COMPLICATIONS

[Trichophyton tonsurans as causative agent of a chronically recurring foot mycosis concomitant with pityriasis versicolor] Abou-Gabal M, et al.
Mykosen 11:243-4, 1 Mar 68 (Ger)

DIAGNOSIS

[A method of laboratory diagnosis of pityriasis versicolor] Battesti MR, et al.
Lyon Med 221:1024-7, 27 Apr 69 (Fre)

DRUG THERAPY

[Pityriasis versicolor. Comparative study of therapeutic effects] Cardoso AE.
Rev Bras Med 26:629-3, Oct 69 (Por)

ETIOLOGY

[Laboratory infection caused by Malassezia furfur] Hantschke D, et al. Mykosen 11:235-8, 1 Mar 68 (Ger)

MICROBIOLOGY

[Infestation of the head by the pathogenic agent of pityriasis versicolor] Hantschke D.
Z Haut Geschlechtskr 46:79-80, 1 Feb 71 (Ger)

OCCURRENCE

Studies on pityriasis versicolor in Egypt. I. Incidence. el-Hefnawi H, et al. Mykosen 14:225-31, 1 May 71

TINNITUS (C11)

COMPLICATIONS

Objective tinnitus aurium and dural arteriovenous malformations of the posterior fossa. Arenberg IK, et al. Ann Otol Rhinol Laryngol 80:111-20, Feb 71
[Special aspects of the treatment of a perceptive deafness caused by tinnitus] Cherubino M.
Minerva Otorinolaringol 20:252-6, Nov-Dec 70 (Ita)

DIAGNOSIS

Subjective and objective measurement of vibratory tinnitus. Nodar RH, et al.
Eye Ear Nose Throat Mon 50:302-5, Aug 71
[Tinnitus aurium] Shidara T.
J Jap Med Assoc 65:1118-23, May 71 (Jap)

DRUG THERAPY

Stellate ganglion block in the management of tinnitus. Adlington P, et al. J Laryngol Otol 85:159-68, Feb 71
[Therapeutic trial of a hypolipemiant, 67-96 C, in tinnitus] Garcin M, et al.
Rev Laryngol Otol Rhinol (Bord) 89:708-13, Nov-Dec 68 (Fre)
[Uridine enzymes in therapy of tinnitus and perceptual hypoacusia] Grande F.
Arch Ital Laringol 76:259-68, Sep-Oct 68 (Ita)

ETIOLOGY

[Tinnitus] Lièvre JA.
Sem Hop Paris 47:1607-11, 26 May 71 (Fre)
[A constant buzzing in the ears at 4000 Hz] Kumpf W, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:243-7, 1970 (Ger)
[Clinical observation of tinnitus caused by extrinsic causes--head trauma, acoustic trauma, etc] Kawamura S. J Otolaryngol Jap 74:1007-27, 1971 (Jap)
[Aspects of trauma of the ossicular chain] Musta O, et al. Otorinolaringologie 16:129-34, Mar-Apr 71 (Rum)
[Genesis of noise in the ears] Cherkasov VS.
Zh Ushn Nos Gorl Bolezn 30:1-7, Jul-Aug 70 (Rus)

FAMILIAL & GENETIC

A family with high-tonal objective tinnitus. Glanville JD, et al. J Laryngol Otol 85:1-10, Jan 71

THERAPY

[Neurotomy of the 8th cranial pair via the temporal fossa] Portmann M, et al.
Rev Laryngol Otol Rhinol (Bord) 90:700-15, Nov-Dec 69 (Fre)

TIOCARLID see THIOCARLIDE (D3)

TISSUE ADHESIVES (D13, E4)

Restoration of the divided ductus deferens by adhesive material. Bornemisza G, et al.
Acta Chir Acad Sci Hung 11:335-9, 1970
Experimental straightening of tendons by adhesive fixation. Bornemisza G, et al.
Acta Chir Acad Sci Hung 11:197-202, 1970
Experimental ureteral adhesive anastomosis. Furka I, et al. Acta Chir Acad Sci Hung 11:231-5, 1970
Removal of isobutyl cyanoacrylate adhesive from the cornea with acetone. Turss U, et al.
Am J Ophthalmol 70:725-8, Nov 70
Studies in the management of the contaminated wound. 8. Assessment of tissue adhesives for repair of contaminated tissue. Edlich RF, et al.
Am J Surg 122:394-7, Sep 71
Tensile strength of isobutyl cyanoacrylate tissue adhesive. Brownstein PK, et al.
Am Surg 37:316-8, Jun 71
A new biologic adhesive: experimental observations. Payne JT. Am Surg 36:615-9, Oct 70
Effects of isobutyl cyanoacrylate tissue adhesive on small bowel anastomosis in puppies. Uroskie TW, et al. Am Surg 37:397-404, Jul 71
Clinical use of tissue adhesive as an adjunct in pulmonary surgery. White JJ, et al.
Ann Thorac Surg 10:443-9, Nov 70
Further experience with sutureless scleral buckling materials. II. Cyanoacrylate tissue adhesive. Calabria GA, et al. Arch Ophthalmol 86:82-7, Jul 71
Further experience with sutureless scleral buckling materials. I. Hydrogels. Calabria GA, et al.
Arch Ophthalmol 86:77-81, Jul 71
Cyanoacrylate monomers as an adhesive. Dellevigne W, et al. Arch Surg 102:493-5, May 71
Experimental Noble operation performed with use of tissue adhesive. Gyurkó G, et al.
Arch Surg 102:503-4, May 71
Adhesives and closure of wounds. Matsumoto T, et al.
Br Med J 4:245, 24 Oct 70
Feasibility study on the use of a tissue adhesive for the nonsurgical blocking of fallopian tubes. Phase I: evaluation of a tissue adhesive. Grode GA, et al.
Fertil Steril 22:552-5, Sep 71
On the use of Biobond in the treatment of cerebrospinal rhinorrhea and frontobasal fistula. Nyström SH.
Int Surg 54:332-40, Nov 70
Nonsutured, nonsplinted anastomosis of the vas deferens: a preliminary report. Gursel E, et al.
Invest Urol 8:417-25, Jan 71
Test systems for evaluation of cyanoacrylate tissue adhesives. Katz AR, et al.
J Biomed Mater Res 4:487-501, Dec 70
The use of Hydron in resection of the liver. Michněvič I, et al. J Biomed Mater Res 5:17-24, Jan 71
Medical and dental applications of cements. Smith DC.
J Biomed Mater Res 5:189-205, 1971
Editorial. Progress with anticariogenic adhesives.
J Can Dent Assoc 36:429, Dec 70
Use of an adhesive bandage to stabilize free gingival grafts. Bressman E, et al. J Periodontol 42:40-2, Jan 71
The skin "spider". McGibbon B, et al.
Plast Reconstr Surg 47:299-300, Mar 71
Experimental study of prevention of tip necrosis in ischemic Z-plasties. Wilkinson TS, et al.
Plast Reconstr Surg 47:37-8, Jan 71
Experimental studies on the application of tissue adhesives in vascular surgery. Noszczyk W, et al.
Pol Med J 9:1173-82, 1970
Isobutyl cyanoacrylate as a skin adhesive. Hale JE.
Postgrad Med J 46:447-50, Jul 70
Clinical applications of adhesives in corneal surgery. Boruchoff SA.
Trans Ophthalmol Soc UK 89:373-8, 1970
The use of adhesives in anterior segment surgery. Webster RG Jr, et al.
Trans Pac Coast Otoophthalmol Soc 50:121-35, 1969 (17 ref.)
[Adhesive materials in urologic surgery] Charvát A, et al. Rozhl Chir 50:357-63, Jul 71 (Cze)
[Network type gluing: a new method of tissue consolidation] Gottlob R.
J Chir (Paris) 100:521-6, Dec 70 (Fre)
[Adhesive tape for mouth mucosa] Coronel S, et al.
Rev Stomatol Chir Maxillofac 71:391-5, Jul-Aug 70 (Fre)
[Experimental anastomosis of the common bile duct with adhesives] Mester E, et al.
Acta Chir Acad Sci Hung 11:191-6, 1970 (Ger)
[Experimental studies on the tensile strength of glued and sutured isolated cornea-scleral stripes] Giessmann HG, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:17-24, 1970 (Ger)
[Gluing technic of mobile parts in the middle ear] Osterwald L, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:208-9, 1970 (Ger)
[Technic of dura closure using 2-cyano-butyl-acrylate in cerebrospinal rhinorrhea or cerebrospinal otorrhea] Pfalz R.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:394-6, 1970 (Ger)
[Splenopexy with "grid adhesives". A new method for the formation of anastomoses between portal and systemic circulation] Gottlob R, et al.
Dtsch Med Wochenschr 96:258-9, 5 Feb 71 (Ger)
[Acrylic resins in tympanoplasty] Decher H.
HNO 19:239-41, Aug 71 (Ger)
[The use of lyophilized human dura mater and acrylic tissue adhesive in the reconstruction of the posterior meatal wall] Geriach H. HNO 19:202-3, Jul 71 (Ger)
[Use of tissue adhesives in tympanoplasty] Subján L, et al. HNO 19:201-2, Jul 71 (Ger)
[Initial clinical experiences using tissue adhesives in ophthalmic surgery] Müller-Jensen K.
Klin Monatsbl Augenheilkd 158:573-7, Apr 71 (Ger)
[The use of adhesives in bronchial and tracheal resections] Häring R, et al.
Langenbecks Arch Chir 322:921-2, 1968 (Ger)
[Animal experimental results using adhesives in Noble's surgical technics] Heiss WH.
Langenbecks Arch Chir 322:1012-7, 1968 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Use of acrylic resins in the surgical treatment of pancreas] Häring R, et al.
Med Welt 20:840-4, 15 May 71 (Ger)
[Experimental studies on the use of tissue adhesives on the porcine carotid artery] Wernitsch W.
Thoraxchirurgie 19:187-90, Jun 71 (Ger)
[Renal tissue tolerance to adhesive methyl-2-cyano-acrylate] Truss F.
Urologe 8:355-8, Nov-Dec 69 (Ger)
[Use of adhesive for the closure of the bladder in suprapubic prostatectomy] Pecherstorfer M, et al.
Wien Klin Wochenschr 82:357-8, 8 May 70 (Ger)
[Sutureless ureter anastomosis in animal experiments (preliminary communication)] Erdmann T, et al.
Z Aerztl Fortbild (Jena) 64:79-81, 15 Jan 70 (Ger)
[Significance of the tissue adhesives in keloid surgery] Máté F, et al.
Z Haut Geschlechtskr 46:185-8, 15 Mar 71 (Ger)
[Endoscopic management of vocal cord paralysis] Westhues M.
Z Laryngol Rhinol Otol 50:557-62, Aug 71 (Ger)
[Experimental wound grafting adhesion in artificial hypospadias without double-step sutures or urine catheterization] Vahlensieck W, et al.
Z Urol Nephrol 62:177-86, 1969 (Ger)
[Vascular anastomosis and nephropexy with acrylate adhesive in experimental kidney transplantation--technic and histological progress studies] Warnke H, et al.
Z Urol Nephrol 63:775-86, Oct 70 (Ger)
[Elastic quick dressing after laparotomies in rabbits] Wenzel KP. Z Versuchstierkd 12:225-7, 1970 (Ger)
[Tracheal tumors and tracheal reconstruction using tissue compatible adhesives] Sailer R.
Zentralbl Chir 95:1057-9, 5 Sep 70 (Ger)
[Histological and histochemical control of the cicatrization process in the gingival fibromucosa sutured with a chemical adhesive (butyl-2-cyanoacrylate)] Benagiano E, et al.
Ann Stomatol (Roma) 19:737-42, Oct 70 (Ita)
[Neurorrhaphy of the superficial peroneal nerve with Eastman 910 adhesive. Technical note] Tota G.
Minerva Ortop 20:205-7, May 69 (Ita)
[Experimental studies on application of adhesives in lung resection] Sonoda Y.
Acta Med (Fukuoka) 41:121-42, Feb 71 (Jap)
[Application of biological binding agents to corneal surgery] Itoi M.
Ophthalmology (Tokyo) 12:869-73, Oct 70 (Jap)
[Results of using cyanoacrylate adhesive in experimental kidney surgery] Afvazian AV, et al.
Eksp Khir Anesteziol 15:27-30, Nov-Dec 70 (Rus)
[Duration of hermetic seal formed by an adhesive suture] Mit'kova GV.
Eksp Khir Anesteziol 15:24-7, Jul-Aug 70 (Rus)
[Comparative characteristics of various glue compounds] Vishnevskii A, et al.
Eksp Khir Anesteziol 15:61-5, Sep-Oct 70 (Rus)
[Modification of cyacrin glue and the possibility of its use in surgery] Solov'ev GM, et al.
Khirurgiia (Mosk) 47:129-33, Jan 71 (Rus)
[A comparative evaluation of MK-2 and KL-3 adhesives] Burenko GV, et al.
Klin Khir 4:60-4, 1971 (Rus)
[Comparative evaluation of the use of silk, biological sutures and MK-2 glue in penetrating wounds of the cornea and sclera] Malaev AA.
Oftalmol Zh 25:370-3, 1970 (Rus)
[Experimental use of a cyacrin glue composition for uniting open wounds of the cornea] Skripnichenko ZM, et al. Oftalmol Zh 25:367-70, 1970 (Rus)
[Histomorphological tests in autologous free skin transplantation with the use of various tissue adhesives] Stepanok EG, et al.
Oftalmol Zh 25:439-42, 1970 (Rus)
[Some characteristics of chemical osteosynthesis] Tkachenko SS, et al.
Ortop Travmatol Protez 31:48-50, Dec 70 (Rus)
[Sutureless joining (glueing) of tissues and organs in surgery and injuries] Khromov BM.
Sov Med 32:74-84, Sep 69 (Rus)
[Osteosynthesis with epoxy resins and polyurethanes (review of the Soviet and foreign literature)] Golovin GV, et al. Vestn Khir 105:132-7, Aug 70 (73 ref.) (Rus)
[Experimental and clinical use of cyanoacrylate adhesive in intestinoplication] Isakov IuF, et al.
Vestn Khir 105:106-10, Aug 70 (Rus)
[Use of lyophilized plasma as adhesive for attacking the graft in lamellar keratoplasty] Gol'dfel'd NG.
Vestn Oftalmol 6:58-63, Nov-Dec 70 (Rus)

ADVERSE EFFECTS

Granulomatous keratitis resulting from use of cyanoacrylate adhesive for closure of perforated corneal ulcer. Ferry AP, et al.
Am J Ophthalmol 72:538-41, Sep 71
Cold curing acrylic bone cement. A clinical study of the cardiovascular side effects during hip joint replacement. Thomas TA, et al.
Anaesthesia 26:298-303, Jul 71
Bucrylate (isobutyl cyanoacrylate) as an ossicular adhesive. Kerr AG, et al.
Arch Otolaryngol 94:129-31, Aug 71
Cardiac arrest and bone cement. Durbin FC, et al.
Br Med J 4:176, 17 Oct 70
Cardiac arrest and bone cement. Hyland J, et al.
Br Med J 4:176-7, 17 Oct 70
Circulatory arrest and bone cement. Michelinakis E, et al. Br Med J 3:639, 11 Sep 71
Cardiac arrest and bone cement. Parsons DW.
Br Med J 3:710, 19 Sep 70
Pulmonary embolism and bone cement. Ratliff AH, et al. Br Med J 2:532, 29 May 71

METABOLISM

[Incorporation and catabolism of bone cement in combined osteosynthesis in the animal experiment] Szyszkowitz R.
Arch Orthop Unfallchir 71:71-94, 1971 (Ger)

PHARMACODYNAMICS

The effects of adhesive systems on tooth surfaces. Newman GV, et al. Am J Orthod 59:67-75, Jan 71
Blood pressure and bone cement. Ling RS, et al.
Br Med J 2:404, 15 May 71
Cardiovascular effects of implanted acrylic bone cement. Phillips H, et al. Br Med J 3:460-1, Aug 71
[Histological studies of tissue reaction and storage of histoacrylic adhesives in the adhesion of artificial experimental hypospadias] Wessel W, et al.
Z Urol Nephrol 63:377-89, May 70 (Ger)
[Bacteriostatic and bactericidal properties of new compositions of the tissue adhesive Cyacrin in relation to Staphylococcus and Streptococcus] Bobrovkova NG, et al. Oftalmol Zh 25:437-9, 1970 (Rus)

STANDARDS

[Chemical and physical properties of cyano-acrylates] Schmeissner H.
Dtsch Zahnaerztl Z 25:907-13, Sep 70 (Ger)

THERAPEUTIC USE

Experimental study on bonding of tissues in mammals with epoxy resin. Rao NS, et al.
Indian J Med Res 58:720-3, Jun 70
[Histological findings in adhesion of corneal wounds in animal experiments] Freund J, et al.
Ber Dtsch Ophthalmol Ges 70:320-5, 1970 (Ger)
[Cyanoacrylate adhesion of perforating corneal wounds. I] Müller-Jensen K, et al.
Ber Dtsch Ophthalmol Ges 70:317-20, 1970 (Ger)
[Wound closure without sutures in operative therapy in dermatology] Scholz A, et al.
Dermatol Monatsschr 157:128-32, Feb 71 (Ger)
[Use of tissue adhesives in dermatological dressings] Sokolowski F.
Dermatol Monatsschr 157:133-41, Feb 71 (Ger)
[A new plug for the indention of the sclera in retinal detachment with a macular defect] Modjtehedi GR.
Klin Monatsbl Augenheilkd 157:832-8, Dec 70 (Ger)
[Treatment of corneal perforations with tissue adhesive] Reim M.
Klin Monatsbl Augenheilkd 156:562-8, 1970 (Ger)

UTILIZATION

[Use of tissue adhesives in gastrointestinal operations] Egry G, et al. Chirurg 42:22-7, Jan 71 (Ger)

TISSUE BANKS (N2)

The International Eye Foundation. A decade of progress. King JH Jr.
Am J Ophthalmol 72:857-9, Sep 71
Containers for tissue bank products for use in tropical countries. Klen R, et al.
Bull Inst Mar Med Gdansk 21:211-4, 1970
Mycology of eye bank eyes. I. Studies on the frozen-stored donor material. Hasany SM, et al.
Can J Ophthalmol 5:255-63, Jul 70
The operation of the kidney bank of Buffalo. Menno AD, et al. Cryobiology 7:179-82, Sep-Oct 70
The International Eye Foundation.
Eye Ear Nose Throat Mon 49:204-6, Apr 70
Donor eyes and eye banks. King JH Jr.
Int Ophthalmol Clin 10:313-28, Summer 70
Creation and operation of a bone bank. Cloward RB.
J Neurosurg 33:682-8, Dec 70
Versatility of skin allografts: desirability of a viable frozen tissue bank. Graham WP 3d, et al.
J Trauma 11:494-501, Jun 71
A viable organ bank. Lehr HB, et al.
Pa Med 73:57-60, Oct 70
[Ossicle bank for homografts in tympanoplastic surgery] Lacher G.
Acta Otorhinolaryngol Belg 24:95-8, 1970 (Fre)
[Aortic valve grafts: cold storage and sterilization by high voltage cathode irradiation] Castany R, et al.
Ann Chir Thorac Cardiovasc 9:279-85, Jul 70 (Fre)
[Aortic valve homografts. Organization of a bank] Coustou F, et al.
Ann Chir Thorac Cardiovasc 7:539-41, Apr 68 (Fre)
[Organization and therapeutic possibilities of a local tissue bank] Seiffert KE.
Chirurg 42:73-80, Feb 71 (Ger)
[The tooth bank. Will we also have private banks?] Muratori G. Dent Cadmos 37:1404-8, Oct 69 (Ita)
[Eye bank in Hakodate and 75 cases of keratoplasty] Eguchi K, et al.
Acta Soc Ophthalmol Jap 75:166-77, 20 Jan 71 (Jap)
[Bone banks] Fazzi A.
Rev Hosp Clin Fac Med Sao Paulo 25:333-5, Nov 70 (Por)
[Biological bandages. Theory] Kőriof B, et al.
Nord Med 84:1382, 22 Oct 70 (Swe)
[Technic of production and use of biological bandages] Simoni E, et al. Nord Med 84:1382, 22 Oct 70 (Swe)

TISSUE COMPATIBILITY see

HISTOCOMPATIBILITY (G1)

TISSUE CULTURE (E5)

see also related
CLONE CELLS (A11)

Pertinence of an in vitro murine system to early identification of developing human cervical carcinoma. Koprowska I.
Acta Cytol (Baltimore) 14:270-5, May 70
Optimum culture conditions for the production of prolactin from rat anterior pituitary organ cultures. Gala RR. Acta Endocrinol (Kbh) 65:466-76, Nov 70
In vitro methods for the study of the adenohypophysial functions to secrete gonadotrophin. Kobayashi T, et al. Acta Endocrinol [Suppl] (Kbh) 153:27-40, 1971
Enrichment culture techniques for selection of cell culture strains with desirable physiological and genetic properties. Sato G, et al.
Acta Endocrinol [Suppl] (Kbh) 153:126-36, 1971
Techniques for the isolation of cells of the adrenal cortex, the anterior pituitary and the corpus luteum: morphological and functional evaluation of the isolated cells. Sayers G, et al.
Acta Endocrinol [Suppl] (Kbh) 153:11-26, 1971
Application of a simplified whole blood culture technique for obtaining chromosome preparations in rabbits and other mammals. Sakurai M, et al.
Acta Haematol Jap 33:342-7, Jun 70
Ultrastructure of glial cells in vitro tissue culture. I. Cells from one-week cultures. Krafnicka Z, et al.
Acta Med Pol 12:199-202, 1971
Comparative study on sensitivity to Toxoplasma gondii of human primary amniotic cell culture and of mice. Csóka R, et al.
Acta Microbiol Acad Sci Hung 17:85-9, 1970
Immunofluorescent studies on the reactivity of "early" and "late" herpes-immune rabbit sera with virus-induced antigenic formations of HEp-2 cells. Géder L, et al.
Acta Microbiol Acad Sci Hung 17:89-75, 1970
The effect of temperature on the development of immunofluorescent elements in herpes simplex virus infected BS-C-1 cells. Géder L, et al.
Acta Microbiol Acad Sci Hung 17:77-84, 1970
Viral growth inhibition by a biguanidine derivative in tissue culture. Gergely L, et al.
Acta Microbiol Acad Sci Hung 17:29-33, 1970
Anti-complementary substances produced by KB cell cultures infected and not infected with virus. Kósa Z, et al. Acta Microbiol Acad Sci Hung 17:281-91, 1970
Investigation on the variability of pathogenicity of Newcastle disease virus (NDV). VII. Influence of air deficiency of chick embryos. Zebrowski L, et al.
Acta Microbiol Pol [A] 2:85-9, 1970
Polarization-optical study of the ultrastructure of cell nuclei in tissue cultures. Kellermayer M, et al.
Acta Morphol Acad Sci Hung 18:131-7, 1970
Palatal mucosa of the adult cat maintained as organ culture in chemically defined media, a light and electron microscope study. Bergenholtz A, et al.
Acta Odontol Scand 28:739-72, Dec 70
The application of a tidal flow culture method to the study of histological and lactate dehydrogenase (LDH)-isoenzymatic changes in primary mouse lung cell cultures. Langvad E.
Acta Pathol Microbiol Scand [A] 78:497-504, 1970
Histological changes in long term explants of human lymph nodes during lymphoblastoid transformation. Nilsson NK.
Acta Pathol Microbiol Scand [A] 79:243-8, 1971
Density dependent cell cycle inhibition--a universal growth control among normal animal cells. Westermark B.
Acta Pathol Microbiol Scand [A] 78:492, 1970
The use of human diploid cells as a biological test system. Litwin J.
Acta Pathol Microbiol Scand [B] 78:289, 1970
Radiation damage and repair in cysteamine treated cells. Littbrand B, et al.
Acta Radiol [Ther] (Stockh) 10:257-66, Apr 71
Studies on the growth of herpes simplex virus in lymphoblastoid cells. Floyd R, et al.
Acta Virol (Praha) 15:133-42, Mar 71
Studies on restricted growth of herpesviruses in

SV40-transformed cell lines. Geder L, et al. Acta Virol (Praha) 15:35-46, Jan 71
Pathology of carbohydrate metabolism in virus-infected cell cultures. I. Alterations of aldolase activity in cultures infected with vaccinia and mumps viruses. Golubev DB, et al. Acta Virol (Praha) 15:263-71, Jul 71
Pathology of carbohydrate metabolism in virus-infected cell cultures. II. Permeability of cell and mitochondrial membranes of chick embryo cells infected with mumps and vaccinia viruses. Golubev DB, et al. Acta Virol (Praha) 15:272-9, Jul 71
Influence of the host system on the properties of Venezuelan equine encephalomyelitis virus. Hrušková J, et al. Acta Virol (Praha) 14:272-8, Jul 70
Morphological and histochemical studies on cultures of mouse peritoneal leucocytes during interferon formation. Khesin YE, et al. Acta Virol (Praha) 14:445-52, Nov 70
Studies on the possibly digitoxin-sensitive phase of poliovirus-host cell interaction. Koch A, et al. Acta Virol (Praha) 14:343-52, Sep 70
Effect of poly I:C on parainfluenza 3 virus multiplication in WISH cells. Korbecki M, et al. Acta Virol (Praha) 15:175, Mar 71
Comparative studies on susceptibility of established cell lines to parainfluenza 3 virus. Luczak M, et al. Acta Virol (Praha) 14:279-84, Jul 70
Plaquing of different strains of Tahyňa virus in GMK cells. Málková D, et al. Acta Virol (Praha) 15:227-32, May 71
Effect of heparin on reproduction of, and interferon production and interference by, Newcastle disease virus in chick embryo cell cultures. Mentkevich LM, et al. Acta Virol (Praha) 15:233-6, May 71
Homologous interference by Newcastle disease virus. First stages of interaction of challenge virus with pre-infected cells. Mentkevich LM, et al. Acta Virol (Praha) 15:205-9, May 71
Physiology of interferonogenesis. II. Mechanism of action of alanine and serine on interferon production in chick embryo fibroblast cultures. Reizin FN, et al. Acta Virol (Praha) 15:199-204, May 71
Reproduction of herpes simplex virus in myxovirus-infected cell cultures. Szántó J, et al. Acta Virol (Praha) 15:47-57, Jan 71
Comparative study of chromosome aberrations in cell cultures induced by tumorigenic and non-tumorigenic adenoviruses. Zatsepin NI, et al. Acta Virol (Praha) 14:411, Sep 70
Replication of infectious bovine rhinotracheitis virus in calf kidney cells studied by immuno- and acridine orange-fluorescence. Zuffa J, et al. Acta Virol (Praha) 14:459-66, Nov 70
Primary induction in birds. Gallera J. Adv Morphog 9:149-80, 1971 (124 ref.)
In vitro cultivation of nematode parasites important to Veterinary Medicine. Leland SE Jr. Adv Vet Sci Comp Med 14:29-59, 1970 (69 ref.)
Virus-induced polykaryocytosis and the mechanism of cell fusion. Poste G. Adv Virus Res 16:303-56, 1970 (200 ref.)
Lymphocyte cultures under varied logistical conditions: stability of nucleic acid synthesis. Daniels JC, et al. Aerosp Med 41:1298-301, Nov 70
Ultrastructural changes in murine leukemia cells exposed to l-asparaginase in vitro. Williams AO. Am J Clin Pathol 54:658-64, Oct 70
Cystic fibrosis: cell culture studies on a Danish population. Danes BS, et al. Am J Hum Genet 23:297-302, May 71
In vitro antigenicity of trophoblast. Douthwaite RM, et al. Am J Obstet Gynecol 109:1023-8, 1 Apr 71
Electron microscopic and biochemical patterns of the normal and malignant trophoblast. Garancis JC, et al. Am J Obstet Gynecol 103:1257-63, 15 Dec 70
Propagation and hormone production by human normal and malignant trophoblast in rats. I. Normal trophoblast from term human placentas in Millipore diffusion chambers. Kurz L. Am J Obstet Gynecol 109:1049-57, 1 Apr 71
Propagation and hormone production by human normal and malignant trophoblast in rats. II. Choriocarcinoma in Millipore diffusion chambers in rats. Kurz L. Am J Obstet Gynecol 109:1058-65, 1 Apr 71
Unstirred layers in tissue respiration: application to studies of frog gastric mucosa. Kidder GW 3d. Am J Physiol 219:1789-95, Dec 70
Some factors affecting mineralization of bone in tissue culture. Ramp WK, et al. Am J Physiol 220:270-4, Jan 71
Responses to cardioactive drugs of fetal mouse hearts maintained in organ culture. Wildenthal K. Am J Physiol 221:238-41, Jul 71
Nucleic acid and protein synthesis in KB cells infected with equine abortion virus (equine herpesvirus type 1). Lawrence WC. Am J Vet Res 32:41-9, Jan 71
Persistent infection of an established porcine kidney celline with selected strains of hog cholera virus. Mengeling WL, et al. Am J Vet Res 31:2019-24, Nov 70
Growth and persistent infection of African horse-sickness virus in a mosquito cell line. Mirchamsy H, et al. Am J Vet Res 31:1755-61, Oct 70
Growth of the equine infectious anemia virus in a continuous-passage horse leukocyte culture. Moore RW, et al. Am J Vet Res 31:1569-75, Sep 70
Factors affecting susceptibility of primary cultures of bovine kidney cells to infection with foot-and-mouth disease virus. Patty RE. Am J Vet Res 32:719-25, May 71
Initiation and characterization of two porcine embryonal nephroma cell lines. Pirtle EC, et al. Am J Vet Res 31:1601-8, Sep 70
Altered thymidine kinase activity in culture cells inoculated with African swine fever virus. Polatnick J, et al. Am J Vet Res 31:1609-13, Sep 70
A mutant of hog cholera virus inducing interference in swine testicle cell cultures. Shimizu Y, et al. Am J Vet Res 31:1787-94, Oct 70
Viral and mycoplasmal infections in minor respiratory illnesses and nonstreptococcal pharyngitis. A search for coronaviruses using fetal trachea organ cultures. Schaaff DM, et al. Am Rev Resp Dis 104:41-51, Jul 71
Early differentiation of the chick embryo spinal cord in organ culture: light and electron microscopy. Lyser KM. Anat Rec 169:45-63, Jan 71
Morphologic studies of human subcutaneous adipose tissue in vitro. Smith U. Anat Rec 169:97-104, Jan 71
Some metabolic effects of halothane on mammalian tissue culture cells in vitro. Ishii DN, et al. Anesthesiology 34:427-38, May 71
The metabolic effects of nonvolatile anesthetics on mammalian hepatoma cells in vitro. I. Inhibition of cell replication. Jackson SH, et al. Anesthesiology 34:409-14, May 71
45,X,G-,Ph1+ cell line in bone-marrow and bloodof a CML affected male. Serra A, et al. Ann Genet (Paris) 13:239-43, Dec 70
Studies on the mechanism of aryl hydrocarbon hydroxylase induction and its role in cytotoxicity and tumorigenicity. Gelboin HV, et al. Ann NY Acad Sci 179:529-47, 6 Jul 71
Study of cells from synovial fluid in tissue culture. Mackay JM, et al. Ann Rheum Dis 30:199-200, Mar 71
Some observations on culturing human cartilage and joints. Rajan KT, et al. Ann Rheum Dis 29:560, Sep 70
Rheumatic tissues in antibiotic-free tissue culture. Wedum BG. Ann Rheum Dis 29:516-23, Sep 70
The functional morphology of pathogenicity in Entamoeba histolytica. Eaton RD, et al. Ann Trop Med Parasitol 64:299-304, Sep 70
Insect cell and tissue culture. Brooks MA, et al. Annu Rev Entomol 16:27-52, 1971 (122 ref.)
Immunological enhancement as studied by cell culture techniques. Hellström KE, et al. Annu Rev Microbiol 24:373-98, 1970 (180 ref.)
Examination of virus-infected cultured cells by scanning electron microscopy. Aranyi C, et al. Appl Microbiol 20:633-7, Oct 70
Potential of kidney cell cultures from nonhibernating thirteen-lined ground squirrels (Citellus tridecemlineatus) for virus propagation. Cashon GW, et al. Appl Microbiol 20:593-7, Oct 70
Virulence and pathogenesis of yellow fever virus serially passaged in cell culture. Converse JL, et al. Appl Microbiol 21:1053-7, Jun 71
Growth of chikungunya virus in baby hamster kidney cell (BHK-21-clone 13) suspension cultures. Davis JL, et al. Appl Microbiol 21:338-41, Feb 71
Viral aggregation resulting in the failure to correctly identify an unknown rhinovirus. Gwaltney JM Jr, et al. Appl Microbiol 20:390-2, Sep 70
Direct assessment of viral aerosols on cell cultures. Hankins WA, et al. Appl Microbiol 20:284-5, Aug 70
Improved chemically defined basal medium (CMRL-1969) for primary monkey kidney and human diploid cells. Healy GM, et al. Appl Microbiol 21:1-5, Jan 71
Technique for viral neutralization antibody surveys in primary microcultures. Heimke RJ, et al. Appl Microbiol 20:986-8, Dec 70
Microneutralization test for the determination of mumps antibody in vero cells. Kenny MT, et al. Appl Microbiol 20:371-3, Sep 70
Growth of pathogenic virus in a large-scale tissue culture system. Klein F, et al. Appl Microbiol 21:265-71, Feb 71
Ultrafiltration as a method for concentrating Rift Valley fever virus grown in tissue culture. Klein F, et al. Appl Microbiol 21:758-60, Apr 71
Development of a camel kidney cell strain and its use in virology. Mirchamsy H, et al. Appl Microbiol 20:276-8, Aug 70
Role of sodium carboxymethyl cellulose and hydroxyethyl starch in hematopoietic cell line cultures. Mizrahi A, et al. Appl Microbiol 21:754-7, Apr 71
High-yield method for dispersing simian kidneys for cell cultures. Oca HM de, et al. Appl Microbiol 21:90-4, Jan 71
Comparison of microtiter procedures with the plaque technique for assay of vesicular stomatitis virus. Rosenthal LJ, et al. Appl Microbiol 21:400-4, Mar 71
Antibacterial activity of gentamicin sulfate in tissue culture. Rudin A, et al. Appl Microbiol 20:989-90, Dec 70
Removal of Nonidet P40 absorbance for optical density monitoring of cytoplasmic ribonucleic acid. Schluederberg A. Appl Microbiol 21:557-8, Mar 71
Comparison of various methods for preparation of viral serological antigens from infected cell cultures. Schmidt NJ, et al. Appl Microbiol 21:217-26, Feb 71
Studies on Japanese B encephalitis virus vaccines from tissue culture. XI. Immune mechanism and evaluation of the mouse challenge potency test. Singh B, et al. Appl Microbiol 21:743-8, Apr 71
Recovery of a canine herpesvirus from primary kidney cultures derived from a closed dog colony. Smith RF, et al. Appl Microbiol 20:523-6, Sep 70
Evaluation of methods for reestablishment of L-cell suspension cultures directly from liquid nitrogen stored stocks. Weirether FJ, et al. Appl Microbiol 20:171-5, Aug 70
Growth of Rio Bravo virus in cell cultures. Wilhelm AR, et al. Appl Microbiol 20:612-5, Oct 70
Some in vitro observations in cultures of human fetal cerebral cortical tissue. Coidan RS. Arch Anat Histol Embryol (Strasb) 53:81-95, 1970
In vitro studies of beating heart cells in culture. XIV. Reversible changes in the level of myosin adenosinetriphosphatase. Lewis H, et al. Arch Biochem Biophys 142:501-7, Feb 71
Further studies on the differentiation of the amphibian heart rudiment in tissue culture. Ide F, et al. Arch Biol (Liege) 80:443-50, 1969
Tissue culture of cartilage and synovial membrane. Linden AJ van der. Arch Chir Neerl 23:67-74, 1971
Interaction of phototoxic compounds with cells in tissue culture. Freeman RG. Arch Dermatol 102:521-6, Nov 70
Production of macrophage inhibitory factor by patients with leprosy. Katz SI, et al. Arch Dermatol 103:358-61, Apr 71
Characteristics of the BGM line of cells from African green monkey kidney. Brief report. Barron AL, et al. Arch Gesamte Virusforsch 32:389-92, 1970
Plaque production by hog cholera virus. Bekkum JG van, et al. Arch Gesamte Virusforsch 32:185-200, 1970
Differentiation of equine herpesvirus type I strains by a plaque marker. Brief report. Borgen HC. Arch Gesamte Virusforsch 32:283-5, 1970
Organ cultures of human fallopian tubes for the propagation of viruses. Casal J, et al. Arch Gesamte Virusforsch 31:196-9, 1970
Some aspects of plaque formation by human influenza viruses. I. Cell and media factors affecting a modified plaque technique. De Sousa CP, et al. Arch Gesamte Virusforsch 32:125-36, 1970
Some aspects of plaque formation by human influenza viruses. II. Viral factors influencing plaque production. De Sousa CP, et al. Arch Gesamte Virusforsch 32:137-46, 1970
Interferon induction in hamster embryo cells and newborn hamsters infected with polyoma virus. Gotlieb-Stematsky T, et al. Arch Gesamte Virusforsch 32:201-8, 1970
Hog cholera virus infection in tracheal organ cultures. Mengeling WL, et al. Arch Gesamte Virusforsch 32:359-64, 1970
Influence of an arbovirus infection (Sindbis virus) on the protein and ribonucleic acid synthesis of cultivated chick embryo cells. Mussgay M, et al. Arch Gesamte Virusforsch 31:81-92, 1970
Feline picornavirus. Structure of the virus and electron microscopic observations on infected cell cultures. Peterson JE, et al. Arch Gesamte Virusforsch 32:249-60, 1970
Chromosome, transplantation and tumour antigen studies of three virus-induced tumour cell lines. Potter AM, et al. Arch Gesamte Virusforsch 33:61-71, 1971
Studies of laryngotracheitis virus in avian tissue cultures. II. Deficient adsorption of a strain of laryngotracheitis virus. Rossi CR, et al. Arch Gesamte Virusforsch 31:313-20, 1970
Blocking of interferon action by a component of normal serum. Rossman TG, et al. Arch Gesamte Virusforsch 31:18-27, 1970
Fate of RNA-labeled avian reovirus in infected cells. Sekiguchi K, et al. Arch Gesamte Virusforsch 33:17-26, 1971
Two different complement fixing antigens found in the Burkitt lymphoma cell cultures. Brief report. Shigeta S, et al. Arch Gesamte Virusforsch 33:182-6, 1971
The response of BHK21 cells to infection with type 12 adenovirus. 3. Transformation and restricted replication of superinfecting type 2 adenovirus. Strohl WA, et al. Arch Gesamte Virusforsch 31:93-112, 1970
A plaque assay system for rinderpest virus and its use in characterising virus adsorption. Taylor WP, et al. Arch Gesamte Virusforsch 32:289-82, 1970
Nucleic acid synthesis during the focus formation by Shope fibroma virus on green monkey kidney cells. Tkehara M. Arch Gesamte Virusforsch 31:303-12, 1970
Some properties of the soluble (S) antigen of cultured lymphoblastoid cell lines. Vonka V, et al. Arch Gesamte Virusforsch 31:113-24, 1970
Formation of ribonucleoprotein particles by interaction of infectious viral RNA with cytoplasmic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cell fractions. Yershov FI, et al.
Arch Gesamte Virusforsch 33:1-8, 1971
Growth in vitro of L-1210 leukemia in suspension culture. Kisielow P.
Arch Immunol Ther Exp (Warsz) 18:491-9, 1970
Differentiation of the mouse embryonic mandible and squamo-mandibular joint in organ culture. Glasstone S. Arch Oral Biol 16:723-9, Jul 71
Inhibitory action of "HO" factor from normal horse serum on poliovirus multiplication in tissue cultures. Crainic R, et al.
Arch Roum Pathol Exp Microbiol 28:167-76, Mar 69
In vitro cultures of rabbit spleen. Differentiation and pseudodifferentiation of plasma cells in short and long-term cultures. Teodorescu M, et al.
Arch Roum Pathol Exp Microbiol 28:237-46, Mar 69
Antibody formation in cell cultures: immunoglobulins, cells and intercellular relationships during the secondary immune response to poliovirus. Teodorescu M.
Arch Roum Pathol Exp Microbiol 29:117-33, Mar-Jun 70
The human fetal synovium. Histology, fine structure and changes in organ culture. Krey PR, et al.
Arthritis Rheum 14:319-41, May-Jun 71
Measurement of antigenic and pathogenic variability of infectious bronchitis virus strains by trachea. Johnson RB, et al. Avian Dis 15:233-41, Apr-Jun 71
Mycoplasmas and cell cultures. Stanbridge E.
Bacteriol Rev 35:206-27, Jun 71 (208 ref.)
Protein synthesis and formation of Chikungunya virus in infected BHK21 cells. Igarashi A.
Biken J 13:289-302, Dec 70
Virus multiplication in culture cells synchronized by excess thymidine treatment. II. Effect of viral DNA synthesis of Shope fibroma virus and cowpox virus upon nuclear DNA synthesis of synchronized FL cells. Mantani M, et al. Biken J 13:365-76, Dec 70
Viral crystalline arrays in FL cells infected with herpes simplex virus. Nii S, et al. Biken J 14:51-63, Mar 71
Infection of simian adenovirus SA7 in hamster kidney and embryo cells. Ogino T, et al.
Biken J 13:303-12, Dec 70
RNA dependent DNA synthesis in cell free preparations of human leukemia cells. Ackermann WW, et al.
Biochem Biophys Res Commun 42:723-9, 19 Feb 71
DNA polymerase activity in homogenates of cells infected with MC29 virus. Weber GH, et al.
Biochem Biophys Res Commun 42:993-9, 19 Mar 71
Protein-polyaccharide of chicken cartilage and chondrocyte cell cultures. Shulman HJ, et al.
Biochem J 120:689-97, Dec 70
The release of radioactive nucleic acids and mucoproteins by trypsin and ethylenediaminetetra-acetate treatment of baby-hamster cells in tissue culture. Snow C, et al.
Biochem J 119:707-14, Oct 70
Effect of growth on the glycoproteins from the surface of control and Rous sarcoma virus transformed hamster cells. Buck CA, et al.
Biochemistry 10:2176-80, 25 May 71
Heparan sulfates of cultured cells. II. Acid-soluble and -precipitable species of different cell lines. Kraemer PM. Biochemistry 10:1445-51, 13 Apr 71
Heparan sulfates of cultured cells. I. Membrane-associated and cell-sap species in Chinese hamster cells. Kraemer PM.
Biochemistry 10:1437-45, 13 Apr 71
Initiation of a differentiated function (hyaluronic acid synthesis) by hybrid formation in culture. Koyama H, et al. Biochim Biophys Acta 217:477-87, 15 Oct 70
Dixenic culture of Daphnia magna, Straus. D'Agostino AS, et al. Biol Bull 139:485-94, Dec 70
Glucose and lactic acid trends in suspension cultures of two established mammalian cell strains in chemically defined media. Bryant JC.
Biotechnol Bioeng 12:429-64, May 70
In vitro growth of granulocytic and mononuclear cell colonies from blood of normal individuals. Chervenick PA, et al. Blood 37:131-5, Feb 71
Clony growth of human peripheri white blood cells in vitro. Kurnick JE, et al. Blood 37:136-41, Feb 71
Colony-stimulating factor and inhibitor levels in acute granulocytic leukemia. Metcalf D, et al.
Blood 38:143-52, Aug 71
A technique for the morphological examination of hemopoietic cells growñ in agar. Testa NG, et al.
Blood 36:586-9, Nov 70
Pulmonary adenomata induced by carcinogen treatment in organ culture. Influence of increasing amounts of carcinogen. Davies RF, et al.
Br J Cancer 24:785-7, Dec 70
Further studies on the uptake of Synkavit and a radioactive analogue into tumour cells in tissue culture. Dendy PP. Br J Cancer 24:817-25, Dec 70
The structure of tumours derived from mouse cells after "spontaneous" transformation in vitro. Franks LM, et al. Br J Cancer 24:843-8, Dec 70
Chromosomal DNA replication pattern in human tumour cells in vitro. Kucheria K.
Br J Cancer 24:484-8, Sep 70
A human tissue culture cell line from a transitional cell tumour of the urinary bladder: growth, chromosone pattern and ultrastructure. Rigby CC, et al.
Br J Cancer 24:746-54, Dec 70
Ultrastructural changes in human skin maintained in organ culture. Sarkany I, et al.
Br J Dermatol 83:572-81, Nov 70
The growth of the virus of epidemic diarrhoea of infant mice (EDIM) in organ cultures of intestinal epithelium. Rubenstein D, et al.
Br J Exp Pathol 52:442-5, Aug 71
Effects of chlorimipramine on human cells in tissue culture. Wilkie D, et al.
Br J Exp Pathol 51:507-11, Oct 70
Stimulation and inhibition by normal human serum of colony formation in vitro by bone marrow cells. Chan SH, et al. Br J Haematol 20:329-41, Mar 71
The formation of foetal and adult haemoglobin in cell cultures of neonatal calf marrow. Gabuzda TG, et al.
Br J Haematol 19:621-33, Nov 70
Haemoglobin synthesis in human marrow maintained in tissue culture. Wood W, et al.
Br J Haematol 21:356-7, Sep 71
Effects of chrysotile and acid-treated chrysotile on macrophage cultures. Beck EG, et al.
Br J Ind Med 28:179-85, Apr 71
Metabolic inhibition in primary cell cultures by lipid-soluble molecules. Metcalfe JC, et al.
Br J Pharmacol 40:537P+, Nov 70
Reproductive survival of mammalian cells after irradiation at ultra-high dose-rates: further observations and their importance for radiotherapy. Berry RJ, et al. Br J Radiol 44:566-7, Jul 71
A study of the development in culture of x-irradiated mammalian cells and their descendants. Grote J, et al.
Br J Radiol 44:235, Mar 71
Effect of radiation on stationary phase cells. McNally NJ. Br J Radiol 44:652, Aug 71
Damage by tritiated thymidine incorporated into the DNA of P388F lymphoma cells in culture, and its relationship to cell survival. Peterson AR, et al.
Br J Radiol 44:651-2, Aug 71
Breast carcinoma tissue culture. A reliable method and study of hormonal effects. Barker JR, et al.
Br J Surg 58:302, Apr 71
An organ-culture technique for the investiation of hormonal dependence in human prostatic neoplasia. McMahon MJ, et al. Br J Surg 57:860, Nov 70
Proliferation and differentiation in human lymphoid and plasma cell lines. Fahey JL.
Br Med J 2:320-1, 8 May 71
Lymphocyte sensitivity in cancer. Hughes D, et al.
Br Med J 2:770, 26 Jun 71
Antilymphocyte serum and tissue culture used to investigate role of cell-mediated response in viral encephalitis in mice. Rook GA, et al.
Br Med J 4:210-2, 24 Oct 70
In-vitro inhibition of leucocyte migration in Crohn's disease by a sarcoid spleen suspension. Willoughby JM, et al. Br Med J 3:155-7, 17 Jul 71
A comparison of two cell culture systems for the primary isolation of enteric viruses. McSwiggan DA, et al. Bull WHO 43:295-300, 1970
Lysozyme in epiphyseal cartilage. I. The nature of the morphologic response of cartilage in culture to exogenous lysozym. Kuettner KE, et al.
Calcif Tissue Res 5:56-63, 1970
Complement-fixation and hemagglutination antigens from a Chlamydial (ornithosis) agent grown in cell cultures. Grimes JE, et al.
Can J Comp Med 34:256-60, Jul 70
The establishment and chromosome analysis of a new cell line of Chinese hamster from spontaneous transformation in vitro. Lin CC, et al.
Can J Genet Cytol 13:9-13, Mar 71
Leucocyte cultures of immunized rats and rabbits. Ray M. Can J Genet Cytol 12:87-9, Mar 70
In vitro uptake of tritium from uridine-5-H3 into RNA (and DNA) in normal and murine leukemia virus infected mouse embryo tissue. Albach RA, et al.
Can J Microbiol 16:1095-9, Nov 70
Enzyme studies (phosphorylation) during Newcastle disease virus infection of chick embryo cells. Consigli RA, et al. Can J Microbiol 16:635-8, Jul 70
A tissue culture technique for the assay of antibacterial immune sera. Diena BB, et al.
Can J Microbiol 17:135, Jan 71
Observations on rainbow trout ovary cells infected with amphibian virus (LT-1). Li MF, et al.
Can J Microbiol 16:642-5, Jul 70
Substitution of 4-(2-hydroxyethyl)-1-piperazineethane sulfonic acid (HEPES) for bicarbonate in protein-free animal cell culture medium: application to vaccinia virus quantitation and fluorogenic acetylesterase assay in living LM cells. Medzon EL, et al.
Can J Microbiol 17:651-3, May 71
Infectivity of herpes simplex virus particles with and without envelopes. Stein S, et al.
Can J Microbiol 16:953-7, Oct 70
Enzyme cytochemistry and autoradiography of adenovirus-infected cells as determined with the electron microscope. Yamamoto T, et al.
Can J Microbiol 17:249-56, Feb 71
A method for studying the antibody-producing cells from the corneal and conjunctival tissues. Basu PK, et al. Can J Ophthalmol 5:293-8, Jul 70
Uptake of 2,6-diaminopurine-2-14C by 2,6-diaminopurine-sensitive and -resistant L strain mouse cells grown on plastic discs. Blair DG, et al.
Can J Physiol Pharmacol 48:791-800, Nov 70
Hybrid cells in solid tumors. Janzen HW, et al.
Cancer 27:455-9, Feb 71
A cell line from a human salivary gland mixed tumor. Kondo T, et al. Cancer 27:463-10, Feb 71
A cell line derived from normal dog kidney (MDCK) exhibiting qualities of papillary adenocarcinoma and of renal tubular epithelium. Leighton J, et al.
Cancer 26:1022-8, Nov 70
Cultivation in vitro of cells derived from a human osteosarcoma. McAllister RM, et al.
Cancer 27:397-402, Feb 71
The significance of autochthonous lymphocyte interactions with human breast cancer cells in primary tissue cultures. Richters A, et al.
Cancer 27:274-7, Feb 71
Effect of syngeneic and allogeneic plasma on lymphocytes from cancer patients, patients with non-neoplastic diseases, and normal subjects. al-Sarraf M, et al. Cancer 27:1426-32, Jun 71
In vitro growth inhibition by 3837 compounds tested for antitumor activity: comparison of tumor cell culture and microbial assays. Thayer PS, et al.
Cancer Chemother Rep [Suppl] 2:27-55, Apr 71
Cytotoxicity assays with L1210 cells in vitro: comparison with L1210 in vivo and KB cells in vitro. Thayer PS, et al.
Cancer Chemother Rep [Suppl] 2:1-25, Apr 71
Morphology of virus-like particles persisting in murine ependymoblastoma in vitro. Ames RP, et al.
Cancer Res 30:1142-8, Apr 70
The radiation response of human malignant melanoma cells grown in vitro. Barranco SC, et al.
Cancer Res 31:830-3, Jun 71
Cellular resistance to actinomycin D in Chinese hamster cells in vitro: cross-resistance, radioautographic, and cytogenetic studies. Biedler JL, et al. Cancer Res 30:1174-84, Apr 70
A human leukocyte culture with an unusual cytoplasmic envelopment of herpes-type particles. Chandra S, et al. Cancer Res 31:441-7, Apr 71
Cell killing and the accumulation of breaks in the DNA of HEp-2 cells incubated in the presence of hydroxyurea. Coyle MB, et al.
Cancer Res 30:2314-9, Sep 70
Comparative transfer RNA methylase capacity in mouse ascites tumors and in their derived tumorigenic and nontumorigenic cell cultures. Dell'Orco RT, et al. Cancer Res 31:561-5, May 71
The metabolism of hepatoma cell strains in an improved filter well apparatus. Dickson JA.
Cancer Res 30:2336-45, Sep 70
Transfer RNA methylases of normal cells, virus-transformed cells, and tumors derived from transformed cells. Fujioka S, et al.
Cancer Res 31:451-6, Apr 71
In vitro transfer RNA methylation in paired neoplastic and nonneoplastic cell cultures. Gantt RR.
Cancer Res 31:609-12, May 71
Annulate lamellae in cultured human neuroblastoma cells. Goldstein MN. Cancer Res 31:209-13, Mar 71
Asparagine biosynthesis in human KB tumor cells: inhibitor studies with asparagine and glutamine antagonists. Haskell CM, et al.
Cancer Res 30:1081-3, Apr 70
Ultrastructural and biological properties of a cytomegalovirus rescued from a human paraganglioma. Heine U, et al.
Cancer Res 31:542-9, May 71
Ultrastructural and quantitative studies of mammary tumor virus production in cultured mouse mammary tumor cells. Kramarsky B, et al.
Cancer Res 30:1102-8, Apr 70
Stimulation of DNA synthesis of rat salivary gland cells in monolayer cultures by isoproterenol. Kreider JW.
Cancer Res 30:980-3, Apr 70
Stimulation of mammary tumor virus production in a mouse mammary tumor cell line. Lasfargues EY, et al.
Cancer Res 30:1109-17, Apr 70
Nucleolinar morphology in normal diploid, neoplastic, and aneuploid cells in vitro. Love R, et al.
Cancer Res 30:990-7, Apr 70
Correlation of nucleolini with fine structural nucleolar constituents of cultured normal and neoplastic cells. Love R, et al. Cancer Res 31:1030-7, Jul 71
Cytogenetic studies of EB virus-positive and EB virus-negative lymphoblastoid cell lines. Macek M, et al. Cancer Res 31:308-21, Mar 71
The golgi apparatus during mitosis in human melanoma cells in vitro. Maul GG, et al.
Cancer Res 30:2326-35, Sep 70
Effects of L-asparagine deprivation on the cell cycle of the Jensen sarcoma. Patterson MK Jr, et al.
Cancer Res 30:1064-7, Apr 70
Initiation of malignant transformation and the significance of changes in transfer RNA methylase enzymes. Pillinger DJ, et al.
Cancer Res 31:630-2, May 71
The lymphocyte and human lung cancers. Richters A, et al. Cancer Res 31:214-22, Mar 71
Cellular resistance to daunomycin in Chinese hamster

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cells in vitro. Riehm H, et al. Cancer Res 31:409-12, Apr 71
Methotrexate and cytosine arabinoside modulation of thymidylate synthetase activity in CCRF-CEM cells. Roberts D, et al. Cancer Res 31:457-62, Apr 71
A growth-modifying factor from cell lines of human malignant origin. Rounds DE. Cancer Res 30:2847-51, Dec 70
Evidence for the rapid decrease in leukemogenic potential Rauscher leukemia virus in cell culture. Schlom J, et al. Cancer Res 31:260-4, Mar 71
In vitro test for sensitivity of leukemic cells to L-asparaginase. Schrek R, et al. Cancer Res 31:523-6, May 71
Interference of daunomycin with metabolic events of the cell cycle in synchronized cultures of rat fibroblasts. Silvestrini R, et al. Cancer Res 30:966-73, Apr 70
RNA synthesis induction in cell culture by a tumor promoter. Sivak A, et al. Cancer Res 30:1203-5, Apr 70
Hybridization of actinomycin D- and amethopterin-resistant Chinese hamster cells in vitro. Sobel JS, et al. Cancer Res 31:297-307, Mar 71
Isoleucine-mediated regulation of genome repliction in various mammalian cell lines. Tobey RA, et al. Cancer Res 31:46-51, Jan 71
Some properties of substrains of L-cells with a decreased sensitivity to bis(2-chloroethyl)sulfide. Walker IG, et al. Cancer Res 31:510-5, May 71
Isoelectric separation of proteins after in vitro cultivation of sublingual tissue. Jacobsen N. Caries Res 5:23-4, 1971
Isoelectric separation of proteins after in vitro cultivation of sublingual tissue. Jacobsen N, et al. Caries Res 5:228-39, 1971
Tissue culture studies in the lipid storage disorders. Sloan HR. Chem Phys Lipids 5:250-80, Oct 70
Correlation between mixed lymphocyte culture performed before renal transplantation and kidney function. Bach JF, et al. Clin Exp Immunol 6:821-7, Jun 70
The establishment of a normal human population dose-response curve for lymphocytes cultured with PHA (phytohaemagglutinin). Fitzgerald MG. Clin Exp Immunol 8:421-5, Mar 71
Effect of column purification on response of lymphocytes in mixed leucocyte cultures (MLC) and to blastogenic media deprived from MLCS. Jones AL. Clin Exp Immunol 8:927-39, Jun 71
Lymphocyte transformation in vitro. IV. Recruitment in antigen-stimulated cultures. Schellekens PT, et al. Clin Exp Immunol 8:187-94, Feb 71
Lymphocyte transformation in vitro. 3. Mechanism of stimulation in the mixed lymphocyte culture. Schellekens PT, et al. Clin Exp Immunol 7:229-39, Aug 70
Qualitative and quantitative studies on mixed homologous chicken thymus cell cultures. Weber WT. Clin Exp Immunol 6:919-40, Jun 70
Macrophage migration inhibition induced by tissue antigen in guinea-pigs. Weir DM, et al. Clin Exp Immunol 8:791-9, May 71
Behavior of articular chondrocytes in cell culture. Green WT Jr. Clin Orthop 75:248-60, Mar-Apr 71
Organ culture method using a modified Grobstein raft technic. Jones HH, et al. Clin Orthop 74:273-8, Jan 71
Effects of vitamin C and sulfite on embryonic mouse radii grown in organ culture. Jones HH, et al. Clin Orthop 74:279-300, Jan 71
The measurable effect of low concentrations (pg-ml) of ACTH on reducing groups of adrenal cortex maintained in organ culture. Chayen J, et al. Clin Sci 41:2P-3P, Aug 71
The in vitro cultivation and differentiation capacities of myogenic cell lines. Richler C, et al. Dev Biol 23:1-22, Sep 70
An analysis of the effect of "conditioned medium" upon the cell culture at low density. Takahashi K, et al. Dev Growth Differ (Nagoya) 12:65-77, Sep 70
Changes in the capacity for clonal growth and differentiation in vitro of the vertebral cartilage cells with embryonic development. I. Culture in the standard medium. Watanabe K. Dev Growth Differ (Nagoya) 12:79-88, Sep 70
Response of beta cells to different levels of glucose: fetal pancreases grown in organ culture and subsequently transplanted to maternal hosts. Hegre OD, et al. Diabetes 19:906-15, Dec 70
Effects of insulin from normal and diabetic human pancreas on RNA labeling in fibroblast cultures. Roy CC, et al. Diabetes 20:10-4, Jan 71
Cytological investigations on the nuclear structure lesions of cells infected with influenza virus. Atsev S, et al. Dokl Bolg Akad Nauk 22:193-6, 1969
Steroid metabolism by isolated rat seminiferous tubules in tissue culture. Dufau ML, et al. Endocrinology 88:825-32, Apr 71
Secretion of thyrocalcitonin in organ culture. Feinblatt JD, et al. Endocrinology 88:797-804, Apr 71
Physical characteristics of immunoreactive chorionic gonadotropin produced in culture. Hammond JM, et al. Endocrinology 89:801-6, Sep 71
Stimulation of mammary epithelial cell proliferation in vitro by protein factor(s) present in serum. Majumder GC, et al. Endocrinology 88:1506-10, Jun 71
ACTH and the differentiation of rat adrenal cortical cells grown in primary tissue culture. Milner AJ. Endocrinology 88:66-71, Jan 71
Quantitative assay method for erythropoietin in vitro. Stephenson JR, et al. Endocrinology 88:1519-30, Jun 71
Regulation of parathyroid hormone secretion in vitro: quantitative aspects of calcium and magnesium ion control. Targovnik JH, et al. Endocrinology 88:1477-82, Jun 71
Induction of "Luteinization" in cultures of granulosa cells by chorionic gonadotropins. Van Thiel DH, et al. Endocrinology 89:622-4, Aug 71
Effects of valine deprivation on the biosynthesis of ribosomal and messenger RNA in a mammalian cell line (L 5178 Y). Tiollais P, et al. Eur J Biochem 18:35-45, 1 Jan 71
Transplantaion and tissue-culture studies of canine osteosarcoma. Bostock DE, et al. Eur J Cancer 6:499-502, Dec 70
Heterotransplantation of human cancers to animals by means of diffusion chambers. Evgenjeva TP. Eur J Cancer 6:533-5, Dec 70
"Spontaneous" neoplastic transformation in vitro: the ultrastructure of the tissue culture cell. Franks LM, et al. Eur J Cancer 6:517-23, Dec 70
Virus-like particles in L5178Y murine leukaemic cells. Narang HK, et al. Eur J Cancer 7:325-7, Aug 71
The locomotion of fibroblasts in culture. 3. Movements of particles on the dorsal surface of the leading lamella. Abercrombie M, et al. Exp Cell Res 62:389-98, Oct 70
Effect of peptides on animal cells in culture. I. Maintenance of beating heart cells. Amborski RL, et al. Exp Cell Res 63:427-35, Dec 70
Amphibian cells in vitro. I. Growth of Xenopus cells in a soft agar medium and on an agar surface. Arthur E, et al. Exp Cell Res 64:113-8, Jan 71
A study of metabolic cooperation utilizing human mutant fibroblasts. Ashkenazi YE, et al. Exp Cell Res 64:9-16, Jan 71
Cytotoxicity of allogeneic lymphocytes sensitized against H-2 antigens in vitro. Ax W, et al. Exp Cell Res 64:439-49, Feb 71
Growth in suspension culture of rat pituitary cells which produce growth hormone and prolactin. Bancroft FC, et al. Exp Cell Res 64:125-8, Jan 71
Ultrastructural visualization of cellular carbohydrate components by means of concanavalin A. Bernhard W, et al. Exp Cell Res 64:232-6, Jan 71
Ameboid movement induced in cultured macrophages by colchicine or vinblastine. Bhisey AN, et al. Exp Cell Res 64:419-29, Feb 71
Altered movement of endosomes in colchicine-treated cultured macrophages. Bhisey AN, et al. Exp Cell Res 64:430-8, Feb 71
Simultaneous determination of the rates of synthesis of 3H-RNA and 3H-DNA in mouse embryo cells grown as monolayers on stainless steel. Birnie GD, et al. Exp Cell Res 50:474-8, May 68
Acid mucopolysaccharide synthesis by chick amnion cell cultures. Inhibition by 5-bromodeoxyuridine. Bischoff R. Exp Cell Res 66:224-36, May 71
Immunochemical characterization of enzyme activities in liver plasma membranes of the rat. Blomberg F, et al. Exp Cell Res 66:104-12, May 71
Enzyme and coenzyme levels, oxygen uptake and lactate production in synchronized cultures of Chinese hamster cells. Blomquist CH, et al. Exp Cell Res 66:75-80, May 71
Protein renewal in anti-peroxidase antibody forming cells. I. In vivo incorporation of 3H-leucine as studied by quantitative ultrastructural autoradiography. Bouteille M. Exp Cell Res 66:465-77, Jun 71
One-step growth cycle for BHK21-13 hamster fibroblasts. Bürk RR. Exp Cell Res 63:309-16, Dec 70
Synchronous and asynchronous DNA synthesis in multinucleated Ehrlich ascites tumor cells compared with multinucleated cells cultured from frog lung. Burns ER. Exp Cell Res 66:153-8, May 71
Induction of tyrosine aminotransferase by dibutyryl cyclic-AMP employing hepatoma cells in tissue culture. Butcher FR, et al. Exp Cell Res 66:321-8, Jun 71
Action of cortisone and cortisol upon biosynthesis of chondroitin sulfate in femur in vitro cultures of chick embryo. Calcagno M, et al. Exp Cell Res 63:131-7, Nov 70
Effects of the nicotinamide-sensitive teratogen3-acetylpyridine on chick limb cells in culture. Caplan AI. Exp Cell Res 62:341-55, Oct 70
Identification of human chromosomes in a mouse-human hybrid by fluorescence techniques. Caspersson T, et al. Exp Cell Res 65:475-8, Apr 71
Biological action of ultrasound in relation to the cell cycle. Clarke PR, et al. Exp Cell Res 58:443-4, Dec 69
Cell-substrate adhesion during cell culture. An ultrastructural study. Cornell R. Exp Cell Res 58:289-95, Dec 69
Some observations on the three-dimensional growth of L5178Y cell colonies in soft agar culture. Dalen H, et al. Exp Cell Res 65:433-8, Apr 71
Surface morphology of trypsinized human cells in vitro. Dalen H, et al. Exp Cell Res 66:353-61, Jun 71
Effect of connective tissue intercellular matrix on lymphocyte stimulation. Darlynkiewicz Z, et al. Exp Cell Res 66:113-23, May 71
Myogenesis in vitro as demonstrated by immunofluorescent staining with antimuscle serum. Dawkins RL, et al. Exp Cell Res 67:1-10, Jul 71
Cytochemical population analysis of cell lineaderived from Burkitt's lymphoma, infectious mononucleosis, and acute lymphoblastic leukemia. De Bault L, et al. Exp Cell Res 65:156-60, Mar 71
Human leukemic cells. Inhibitory effects of isologous and homologous histones. Desai LS, et al. Exp Cell Res 66:1-4, May 71
Human leukemic cells. Actinomycin D-resistant biosynthesis of RNA by isolated nuclei. Desai LS, et al. Exp Cell Res 58:388-92, Dec 69
Effects of cycloheximide on x-ray induction of chromatid exchanges in synchronous Chinese hamster cells. Dewey WC, et al. Exp Cell Res 66:283-8, Jun 71
Metabolism of adult rat liver cells in filter-well culture. Dickson JA. Exp Cell Res 64:17-28, Jan 71
Secretion of collagenous stroma by isolated epithelium grown in vitro. Dodson JW, et al. Exp Cell Res 65:215-20, Mar 71
Incorporation of isolated HeLa-S3 metaphase chromosomes into cultured mouse embryo cells. Ebina T, et al. Exp Cell Res 62:384-8, Oct 70
Separation and in vitro growth of mammalian corneal epithelial and endothelial cells. Ellingson DJ, et al. Exp Cell Res 66:478-82, Jun 71
Effects of actinomycin D and puromycin on the mitotic cycle in synchronized cell culture. Epifanova OI, et al. Exp Cell Res 58:401-10, Dec 69
Prednisolone induced surface alterations in HeLa cells. Fiskin AM, et al. Exp Cell Res 66:483-6, Jun 71
Density gradient analysis of newly replicated DNA from synchronized mouse lymphoma cells. Flamm WG, et al. Exp Cell Res 64:97-104, Jan 71
Tight junctions between contact-inhibited cells in vitro. Flaxman BA, et al. Exp Cell Res 58:438-43, Dec 69
Regulation of growth in Chinese hamster cells by a local inhibitor. Froese G. Exp Cell Res 65:297-306, Apr 71
Density inhibition of motility in 3T3 fibroblasts and their SV40 transformants. Gail MH, et al. Exp Cell Res 64:156-62, Jan 71
Sensitivity of JLSV-9 cells to Moloney leukemia virus in relation to cell cycle. Gergely L, et al. Exp Cell Res 64:230-2, Jan 71
Cell disorganization and stimulation of mitosis in cultured leopard frog lens. Gierthy JF, et al. Exp Cell Res 64:170-8, Jan 71
Formation of nexuses and electrotonic transmission between myocardial and FL cells in monolayer culture. Goshima K. Exp Cell Res 63:124-30, Nov 70
Synchronized beating of myocardial cells mediated by FL cells in monolayer culture and its inhibition by trypsin-treated FL cells. Goshima K. Exp Cell Res 65:161-9, Mar 71
Synchronized beating of and electrotonic transmission between myocardial cells mediated by heterotypic strain cells in monolayer culture. Goshima K. Exp Cell Res 58:420-6, Dec 69
Use of silicone membranes for study of cells released by hemopoietic tissues in organ culture. Goube de Laforest P, et al. Exp Cell Res 66:267-72, May 71
Growth-stimulating activities of mouse submaxillary esteropeptidases on chick embryo fibroblasts in vitro. Greene LA, et al. Exp Cell Res 64:387-95, Feb 71
DNA synthesis in organ cultures of the hamster cheek pouch. Inhibition by a homologous extract. Hall RG Jr. Exp Cell Res 58:429-31, Dec 69
Reversible inhibition of DNA synthesis by the arginine analogue canavanine in hamster and mouse cells in vitro. Hare JD. Exp Cell Res 58:170-4, Nov 69
Polyploid series of mammalian cells. Harris M. Exp Cell Res 66:329-36, Jun 71
Collagenase. Its effectiveness as a dispersing agent for embryonic chick thyroid and heart. Hilfer SR, et al. Exp Cell Res 65:246-9, Mar 71
Comparative studies on rejoining of DNA-strand breaks induced by x-irradiation in mammalian cell lines in vitro. Horikawa M, et al. Exp Cell Res 63:325-32, Dec 70
Oscillation of individual generation times in cells lines of Tetrahymena pyriformis. Jauker F, et al. Exp Cell Res 63:477-80, Oct 70
Aggregation and electrophoretic mobility studies on dissociated cells. II. Effects of ADP and ATP. Jones BM, et al. Exp Cell Res 63:301-8, Dec 70
Uptake of isolated chromosomes by mammalian cells and protective effect of protamine sulfate. Kato H, et al. Exp Cell Res 65:454-62, Apr 71
Ion-dependent anisotropy of deoxyribonucleoprotein structures in tissue cultures. Kellermayer N, et al. Exp Cell Res 63:204-7, Nov 70
Aggregation and electrophoretic mobility studies on dissociated cells. I. Effects of p-benzoquinone and tannic acid. Kemp RB, et al. Exp Cell Res 63:293-300, Dec 70
Microphotometric and autoradiographic studies on the cell cycle and cell size during growth and decline of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Chinese hamster cell cultures. Kimball RF, et al. Exp Cell Res 66:17-32, May 71
Melanin versus protein synthesis in melanocytes in vitro. Kitano Y, et al. Exp Cell Res 64:83-8, Jan 71
Surface immunoglobulin-moieties on lymphoid cells. Klein E, et al. Exp Cell Res 62:133-48, Sep 70
Isoantigen expression in hybrid mouse cells. Klein G, et al. Exp Cell Res 62:149-60, Sep 70
Survival of synchronized Chinese hamster cells following freezing in liquid nitrogen. Koch GJ, et al. Exp Cell Res 63:476-7, Dec 70
Temperature effects on multi-enzyme systems in single living ascites cells. Kohen E, et al. Exp Cell Res 64:339-49, Feb 71
Glycosaminoglycans and electrokinetic behavior of rat ascites hepatoma cells. Kojima K, et al. Exp Cell Res 67:142-6, Jul 71
Evidence for transfer of macromolecular RNA between mammalian cells in culture. Kolodny GM. Exp Cell Res 65:313-24, Apr 71
Isolation and characterization of hybrids between mouse and Chinese hamster cell lines. Koyama H, et al. Exp Cell Res 62:455-63, Oct 70
In vitro activity of bursal lymphocytes from two lines of chickens. Kulkarni PG, et al. Exp Cell Res 66:124-8, May 71
Measurement of S period in growing cell populations by a graphic analysis of double labeling with 3H- and 14C-thymidine. Lala PK. Exp Cell Res 50:459-63, May 68
Differential cytological and cytochemical responses of various cultures from mouse tissues to repeated exposres to puffs from the gas phase of charcoal-filtered fresh cigarette smoke. Leuchtenberger C, et al. Exp Cell Res 62:161-72, Sep 70
Behavior in culture of three types of chondrocytes, and their response to ascorbic acid. Levenson GE. Exp Cell Res 62:271-85, Oct 70
Aggregation of dissociated mouse blastomeres. Lin TP, et al. Exp Cell Res 63:220-4, Nov 70
In vitro production of large osteoclasts by calf serum. Liskova M, et al. Exp Cell Res 62:483-6, Oct 70
Factors influencing exogenous nucleoside utilization in DNA synthesis by irradiated human cells. Little JB. Exp Cell Res 62:368-74, Oct 70
Nuclear, nucleolinar and cytoplasmic acidphosphatases in cultured mammalian cells. Love R, et al. Exp Cell Res 58:62-72, Nov 69
A minicolony assay for the viability of mammalian cells in vitro. Macdonald KB, et al. Exp Cell Res 50:471-3, May 68
Ribonucleic acid at the periphery of different cell types, and effect of growth rate on ionogenic groups in the periphery of cultured cells. Mayhew E, et al. Exp Cell Res 50:441-53, May 68
Biochemical aspects of the attachment of a pig-kidney monolayer cell line to glass surfaces. Michaelis FB, et al. Exp Cell Res 65:43-8, Mar 71
Adaptation of mammalian cells to cold. VII. Molecular basis of cold resistance in LC 2 cells. Michl J, et al. Exp Cell Res 50:383-7, May 68
Primary function of the growth-promoting -globulin in cell culture. Michl J, et al. Exp Cell Res 58:174-7, Nov 69
A study of the cytoplasmic matrix of ascites tumour cells. Mitchell RF. Exp Cell Res 66:137-44, May 71
Ultrasonic dispersal of mammalian cell aggregates. Moore JL, et al. Exp Cell Res 65:228-32, Mar 71
Enhancement of glutamine synthetase induction by pH adjustment in cultures of embryonic neural retina. Morris JE. Exp Cell Res 66:449-57, Jun 71
Synchronized mammalian cell cultures. 3. Variation of ribonucleotide reductase activity during the replication cycle of Chinese hamster fibroblasts. Murphree S, et al. Exp Cell Res 58:118-24, Nov 69
Recovery of buoyant and fragile lipid-laden cells from in vitro cultures by centrifugal filtration. Nicolosi RJ, et al. Exp Cell Res 67:220-2, Jul 71
Non-reciprocal density-dependent mitotic inhibition in mixed cultures of embryonic chick and mouse fibroblasts. Njeuma DL. Exp Cell Res 66:244-50, May 71
Mitosis and population density in cultures of embryonic chick and mouse fibroblasts. Njeuma DL. Exp Cell Res 66:237-43, May 71
A substratum of bone matrix for differentiation of mesenchymal cells into chondro-osseous tissues in vitro. Nogami H, et al. Exp Cell Res 63:404-10, Dec 70
Endocytosis of sucrose and other sugars by cells in culture. Nyberg E, et al. Exp Cell Res 63:43-52, Nov 70
Variations of cellular sulfhydryl content during cell cycle of HeLa cells and its correlation to cyclic change of x-ray sensitivity. Ohara H, et al. Exp Cell Res 58:182-5, Nov 69
The exchange of phospholipids between cultured chick embryo fibroblasts and their growth medium. Peterson JA, et al. Exp Cell Res 58:365-78, Dec 69
Separation of cell types in embryonic heart cell cultures. Polinger IS. Exp Cell Res 63:78-82, Nov 70
Regulation of proliferation and movement of human glialike cells in culture. Pontén J, et al. Exp Cell Res 58:393-400, Dec 69
Sub-lethal autolysis. Modification of cell periphery by lysosomal enzymes. Poste G. Exp Cell Res 67:11-6, Jul 71
Effect of antipolyamine antibodies on mammalian cells in tissue culture. Quash G, et al. Exp Cell Res 66:426-32, Jun 71
Effect of ethidium bromide on mitochondrial DNA and cytochrome synthesis in HeLa cells. Radsak K, et al. Exp Cell Res 66:410-6, Jun 71
On the survival of chick embryo cells at low concentrations in culture. Rein A, et al. Exp Cell Res 65:209-14, Mar 71
Reaction of an insect cell line to ecdysterone. Reinecke JP, et al. Exp Cell Res 64:335-8, Feb 71
Structure of HeLa cells after treatment with glycerol as revealed by freeze-etching and electron microscopic methods. Reith A, et al. Exp Cell Res 66:385-95, Jun 71
Confrontation responses of normal and tumorous cells in culture. Reznikoff CA, et al. Exp Cell Res 62:447-54, Oct 70
AO binding of intracellular nucleic acids in fixed cells in relation to cell growth. Ringertz NR, et al. Exp Cell Res 63:233-8, Nov 70
Synchronization of human cell lines with colcemid. Romsdahl MM. Exp Cell Res 50:463-7, May 68
Behaviour of fibroblast-like cells on grooved surfaces. Rovensky YA, et al. Exp Cell Res 65:193-201, Mar 71
Uptake of chondroitin sulfate by mammalian cells in culture. II. Kinetics of uptake and autoradiography. Saito H, et al. Exp Cell Res 66:90-6, May 71
Uptake of chondroitin sulfate by mammalian cells in culture. 3. Effect of incubation media, metabolic inhibitors and structural analogs. Saito H, et al. Exp Cell Res 66:97-103, May 71
Fusion of rabbit spermatozoa with somatic cells cultivated in vitro. Sawicki W, et al. Exp Cell Res 66:145-51, May 71
Transmission and spread of embryonic induction. II. Exclusion of an assimilatory transmission mechanism in kidney tubule induction. Saxén L, et al. Exp Cell Res 66:369-77, Jun 71
Effect of conditioned media on differentiation in mass cultures of chick limb bud cells. I. Morphological effects. Schacter LP. Exp Cell Res 63:19-32, Nov 70
Effect of conditioned media on differentiation in mass cultures of chick limb bud cells. II. Metabolic and biochemical effects. Schacter LP. Exp Cell Res 63:33-42, Nov 70
Induction of vacuolation in the mouse peritoneal macrophage by EDTA. Schwartz SL, et al. Exp Cell Res 66:253-7, May 71
DNA synthesis in nuclear protrusions. Seed J. Exp Cell Res 64:412-8, Feb 71
Effect of oxygen on the recovery of lethal and nonlethal radiation damage. Siracka E, et al. Exp Cell Res 58:191-4, Nov 69
Biochemical studies on cells isolated from adult rat liver. Suzangar M, et al. Exp Cell Res 63:353-64, Dec 70
Frequency of "Y chromatin body" in human skin fibroblasts in tissue culture, and its relation to growth phase. Therkelsen AJ, et al. Exp Cell Res 65:473-5, Apr 71
Preparation of kidney cell suspensions and respiration of kidney and liver cell suspensions. Thimmappayya B, et al. Exp Cell Res 63:333-40, Dec 70
Methylation and synthesis of transfer ribonucleic acid in synchronized Chinese hamster fibroblasts. Tidwell T, et al. Exp Cell Res 64:350-4, Feb 71
Rapid detection of mycoplasma-infected cell cultures. Todaro GJ, et al. Exp Cell Res 65:256-7, Mar 71
Local inhibition of ruffling during contact inhibition of cell movement. Trinkaus JP, et al. Exp Cell Res 64:291-300, Feb 71
Histoenzymological and cytophotometric studies on the variations of some enzymatic activities in different cell cycle phases in cultured cells. Vendrely C, et al. Exp Cell Res 62:249-53, Sep 70
Cell growth regulating factors in viral infections and other diseases. Wahren B, et al. Exp Cell Res 66:396-400, Jun 71
The role of serum and fetuin in the growth of monkey kidney cells in culture. Wallis C, et al. Exp Cell Res 58:271-82, Dec 69
Studies on cell deformability. Some rheological considerations. Weiss L, et al. Exp Cell Res 58:379-87, Dec 69
The influence of normal cells on the proliferation of tumour cells in culture. Weiss RA. Exp Cell Res 63:1-18, Nov 70
Distribution of DNA replicator sites in mammalian nuclei after different methods of cell synchronization. Williams CA, et al. Exp Cell Res 63:365-72, Dec 70
Phenotypic variation and its control in polyoma-transformed BHK21 cells. Wyke J. Exp Cell Res 66:209-23, May 71
A method of isolating cells incapable of multiplication in suspension culture. Wyke J. Exp Cell Res 66:203-8, May 71
Developmental changes preceding cell fusion during muscle differentiation in vitro. Yaffe D. Exp Cell Res 66:33-48, May 71
Proliferative activity and cytochemical properties of nuclear chromatin related to local cell density of epithelial cells. Zetterberg A, et al. Exp Cell Res 62:262-70, Sep 70
Functional aspects of fibroblasts derived from the retrobulbar tissue of man. Sisson JC, et al. Exp Eye Res 10:201-6, Oct 70
Aging under glass. Hayflick L. Exp Gerontol 5:291-303, Dec 70 (68 ref.)
Limited culture lifespan of human diploid cells as a function of metabolic time instead of division potential. McHale JS, et al. Exp Gerontol 6:89-93, 1 Feb 71
Increased DNA synthesis in aortic explants from swine fed a high-cholesterol diet. Daoud AS, et al. Exp Mol Pathol 13:377-84, Dec 70
Organ cultures inoculated with serum from a hepatitis patient with Au antigenemia. Jenson AB, et al. Exp Mol Pathol 13:217-30, Oct 70
Comparison of methyl-labeled tRNA in a neoplastic cell line with a paired non-neoplastic control. Quinn CE, et al. Exp Mol Pathol 13:231-41, Oct 70
Release of beta-glucuronidase as a quantitative assay of murine viral hepatitis injury in cultured cells. Sabesin SM, et al. Exp Mol Pathol 14:200-11, Apr 71
Phagocytosis of amyloid: invitro interaction of mouse peritoneal macrphages with human amyloid fibrils and their accelerated uptake after dye binding. Shirhama T, et al. Exp Mol Pathol 14:10-23, Feb 71
Quantitation of fibrinolytic agents released in tissue culture. Astedt B, et al. Experientia 27:358-9, 15 Mar 71
The chorio-allantoic membrane. A new site for development of mouse embryos. Batra BK, et al. Experientia 27:359-60, 15 Mar 71
Heart cells in culture: a simple method for increasing the proportion of myoblasts. Blondel B, et al. Experientia 27:356-8, 15 Mar 71
Cell fusion as a mechanism for the origin of polyploid cells in vitro. Deaven LL, et al. Experientia 27:311-3, 15 Mar 71
Organotypical culture of irradiated and non-irradiated chick mesonephros. De Ridder L, et al. Experientia 27:428-30, 15 Apr 71
The cell cycle of an established line of Drosophila melanogaster cells in vitro. Dolfini S, et al. Experientia 26:1020-1, 26 Sep 70
Development of acetylcholine sensitivity in cultured skeletal muscle. Dryden WF. Experientia 26:984-6, 26 Sep 70
A method for studying the ultrastructure of intercellular contacts in lukocyte cultures. Elias PM, et al. Experientia 27:116-8, 15 Jan 71
Some new data on the number of chromosomes of teleost fish obtained by means of tissue culture in vitro. Fontana F, et al. Experientia 26:1021, 26 Sep 70
In vitro induced disappearance of nucleoli in cells treated with LSD-25. Gayer J, et al. Experientia 26:1332-3, 15 Dec 70
Monoamine-containing neurones in cultures of rat brain stem. Hösli E, et al. Experientia 27:310-1, 15 Mar 71
Effects of triiodothyronine on the cerebellar cortex of the new-born rat in tissue culture. Kiernan JA, et al. Experientia 27:878-9, Jun 71
Demonstration of neurofibrillary degeneration induced by anoxia in spinal motor neurons in vitro. Kim SU. Experientia 27:264-5, 15 Mar 71
The culture of goldfish cells (Carassius auratus) at high temperatures. McKenzie LS, et al. Experientia 26:1027-8, 26 Sep 70
Oncogenicity of a cell line derived from adenocarcinoma of the salivary gland of C3H-He mouse. Marcante ML, et al. Experientia 27:434-5, 15 Apr 71
Cytogenetic studies of dolphin (Tursiops truncatus) by an extended tissue culture technique. Prasad N, et al. Experientia 26:1167-8, 15 Oct 70
The synthesis of monofluoroacetic acid by a tissue culture of Acacia georginae. Preuss PW, et al. Experientia 26:1059-60, 15 Oct 70
The amphibian lens: a three month organ culture. Rothstein H, et al. Experientia 26:1242-4, 15 Nov 70
Establishment of 2 mosquito cell lines from larval tissues of Aedes w-albus. Singh KR, et al. Experientia 27:142-3, 15 Feb 71
Metachromasia in cultured fibroblasts of subjects with glycogenosis type II. Tenconi R, et al. Experientia 26:1238-9, 15 Nov 70
The effect of insulin on the glycolysis and glycogen content of beating rat heart cells in the primary culture. Ziegler B, et al. Experientia 27:138-9, 15 Feb 71
Genetic studies of HG- PRT deficiency and the Lesch-Nyhan syndrome with cultured human cells. DeMars R. Fed Proc 30:944-55, May-Jun 71
Cell fusion and virus rescue. Koprowski H. Fed Proc 30:914-20, May-Jun 71
Interrelations of motile and metabolic activities in tissue culture cells. I. Respiration in chicken embryo fibroblasts actively locomoting, contact-inhibited, and suspended in a fluid medium. Korohoda W. Folia Biol (Krakow) 19:41-51, 1971
Lactic dehydrogenase (LDH) isoenzymes in cell cultures from different human tissues and organs. Vrba M, et al. Folia Biol (Praha) 17:128-33, 1971
Xtilization of monofil, a fabric woven from a man-made fibre, for cultivation of cells and tissues in artificial media. Vrba M. Folia Biol (Praha) 17:137-9, 1971
Glycogen metabolism in sensory neurons cultured in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vitro. Krafnicka Z.
Folia Histochem Cytochem (Krakow) 8:183-90, 1970
On the role of ribonucleoproteins in proliferation and maturation processes in malignant mouse fibroblasts. Sharashidze LK, et al.
Folia Histochem Cytochem (Krakow) 8:281-5, 1970
Studies on cellular immunity to Salmonella typhi in vitro. Kamzolkina NB, et al.
Folia Microbiol (Praha) 16:65-73, 1971
Tissue culture of adult human liver. Demoise CF, et al.
Gastroenterology 60:390-9, Mar 71
The action of hormones in insect cell and organ cultures. Marks EP.
Gen Comp Endocrinol 15:289-302, Oct 70 (85 ref.)
Genetic analysis of azaguanine resistance in an established mouse cell line. Morrow J.
Genetics 65:279-87, Jun 70
Aging of collagen in tissue culture. Bartos F.
Gerontologia 16:212-6, 1970
Aging of collagen in tissue culture. Bartos F.
Gerontologia 16:212-6, 1970
Behaviour of the rectal juvenile polyp in vitro. Römer H, et al. Gut 12:194-6, Mar 71
The use of HEPES buffer in micro-tissue culture plates for routine enterovirus diagnosis. Haliburton G, et al.
Health Lab Sci 8:155-9, Jul 71
Stability of abnormal karyotypes in cell culture. Fraccaro M, et al. Hereditas 62:105-15, 1969
Cytotoxic action of antiserum and complement: quantification with a colony inhibition method. Baker AR, et al. Immunology 21:33-43, Jul 71
Regulation of IgM memory expression by spleen cells cultured in diffusion chambers. Borella L.
Immunology 20:289-98, Mar 71
Retention of liver-specific antigen by hepatocytes in filter-well culture. Dickson JA.
Immunology 20:1055-9, Jun 71
The interaction of normal lymphocytes and cells from lymphoid cell lines. I. The nature of the activation process. Hardy DA, et al.
Immunology 19:329-42, Aug 70
The induction of an immune response in vitro to a protein antigen (rabbit Fab'2). Hunter P, et al.
Immunology 19:491-9, Sep 70
The interaction of normal lymphocytes and cells from lymphoid cell lines. II. Variations relating to cell line source and lymphocyte donor. Knight S, et al.
Immunology 19:343-51, Aug 70
Mixed culture of human foetal and adult cells. Pegrum GD. Immunology 21:159-64, Jul 71
The effect of various antilymphocyte sera (ALS) on the migration of spleen fragment cells. Svejcar J, et al.
Immunology 21:45-9, Jul 71
Adaptation of Singh's Aedes albopictus (ATC-15) cell line to media with calf and goat sera and their susceptibility to infection with some arboviruses. Singh KR, et al. Indian J Med Res 59:31-4, Jan 71
Rapid screening of anticancer compounds: an adaptation of agarplate method in tissue culture. Thanki KH, et al. Indian J Med Res 59:35-44, Jan 71
Cytopathogenicity and neutralisation of sheeppox virus in primary cell culture of ovine and caprine origin. Pandey R, et al.
Indian J Pathol Bacteriol 13:6-11, Jan 70
Culture of lymphocytes from sarcoidosis. Stimulation by means of a blastogenic factor from sensitized donor cells. Girard JP, et al.
Int Arch Allergy Appl Immunol 41:128-31, 1971
The use of rabbit implants and tissue culture tests for the evaluation of dental materials. Autian J.
Int Dent J 20:481-90, Sep 70
Discussion of: proposal for biological testing of dental materials. Levy B. Int Dent J 20:491-2, Sep 70
Methods and criteria for evaluating gingival tissue reactions. Zander HA, et al.
Int Dent J 20:493-501, Sep 70
Isolation of murine sarcoma virus-transformed mouse cells which are negative for leukemia virus from agar suspension cultures. Basain RH, et al.
Int J Cancer 6:95-107, 15 Jul 70
DNA repair and radiation sensitivity in human (xeroderma pigmentosum) cells. Cleaver JE.
Int J Radiat Biol 18:557-65, 1970
Characteristics of "repair synthesis" in x-irradiated P388F lymphoma cells. Fox M, et al.
Int J Radiat Biol 18:101-10, 1970
Repair of potentially-lethal radiation damage in mammalian cells: enhancement by conditioned medium from stationary cultures. Little JB.
Int J Radiat Biol 20:67-92, 1971
Host-cell reactivation in mammalian cells. I. Survival of ultra-violet-irradiated herpes virus in different cell-lines. Lytle CD. Int J Radiat Biol 19:329-37, 1971
Increased hybridization of RNA synthesized immediately after irradiation in cultured L5178Y mouse leukaemic cells. Meltz ML, et al.
Int J Radiat Biol 19:287-92, 1971
New evidence concerning the molecular basis of the restorative effect of DNA in cultured mammalian cells. Petrović D, et al. Int J Radiat Biol 18:243-58, 1970
RNA synthesis and uridine pools in normal and BUdR-containing human kidney T-cells after U.V.-irradiation. Scaife JF.
Int J Radiat Biol 18:189-92, 1970
Lack of photoreactivation in human cells grown in vitro. Trosko JE, et al. Int J Radiat Biol 18:271-5, 1970
Protection against x-irradiation employing cysteamine derivatives in tissue culture and in mice. Vos O, et al.
Int J Radiat Biol 18:111-26, 1970
Variation in sensitivity to heat shock during the cell-cycle of Chinese hamster cells in vitro. Westra A, et al. Int J Radiat Biol 19:467-77, 1971
Hormonogenesis in organ culture of normal and pathological human thyroid tissues. Barzilai D, et al.
Isr J Med Sci 6:660-4, Sep-Oct 70
Comments on feline leukemia virus. Lee KM.
J Am Vet Med Assoc 158:Suppl 2:1037+, 15 Mar 71
Cilia in cell-cultured fibroblasts. II. Incidence in mitotic and post-mitotic BHK 21-C13 fibroblasts. Archer FL, et al. J Anat 109:277-92, Jul 71
Formation of crystalline ribosomal arrays in cultured chick embryo dorsal root ganglia. Birks RI, et al.
J Anat 109:143-56, May 71
Changes in nuclear dimensions and orientation during contraction of a cultured fibroblast sheet. Taylor JF.
J Anat 108:509-17, Apr 71
Recording of contractile activity of cells in culture. Schanne OF. J Appl Physiol 29:892-3, Dec 70
Long-term maintenance of spontaneously beating mouse hearts in organ culture. Wildenthal K.
J Appl Physiol 30:153-7, Jan 71
Turnover of ribosomal RNA of mouse peritoneal macrophages in cell culture. Okuma S, et al.
J Biochem (Tokyo) 68:711-6, Nov 70
A fine structural study of adhesive cell junctions in heterotypic cell aggregates. Armstrong PB.
J Cell Biol 47:197-210, Oct 70
Glucocorticoid-induced alteration of the surface membrane of cultured hepatoma cells. Ballard PL, et al. J Cell Biol 47:222-34, Oct 70
Factors controlling development of chick embryo liver cells during organ culture. Benzo CA, et al.
J Cell Biol 48:235-47, Feb 71
Morphology and function of cells of human embryonic liver in monolayer culture. Bissell DM, et al.
J Cell Biol 50:222-31, Jul 71
Fine structure of smooth muscle cells grown in tissue culture. Campbell GR, et al. J Cell Biol 49:21-34, Apr 71
APT pool levels in synchronously growing Chinese hamster cells. Chapman JD, et al.
J Cell Biol 49:229-33, Apr 71
An electron microscope study of mouse mast cells arising in vivo and in vitro. Combs JW.
J Cell Biol 48:676-84, Mar 71
Formation of polyribosomes during recovery from contact inhibition of replication. Hodgson JR, et al.
J Cell Biol 49:945-7, Jun 71
The growth of cartilage cells in soft agar and liquid suspension. Horwitz AL, et al.
J Cell Biol 45:434-8, May 70
Prostaglandin-B 1 , embryonic skin, and the dermo-epidermal junction. Kischer CW, et al.
J Cell Biol 47:303-10, Oct 70
Observed differences in CO2 requirements between mammalian and salmonid fish cell lines. Kleeman KT, et al. J Cell Biol 47:796-8, Dec 70
Binding of colchicine-3H to vinblastine- and vincristine-induced crystals in mammalian tissue culture cells. Krishan A, et al.
J Cell Biol 48:407-10, Feb 71
Attachment of ribosomes to membranes during polysome formation in mouse sarcoma 180 cells. Lee SY, et al. J Cell Biol 49:683-91, Jun 71
Fine structure of the middle lamella of aggregates of plant cells in suspension culture. Leppard GG, et al.
J Cell Biol 50:237-46, Jul 71
Separation of nuclei representing different phases of the growth cycle from unsynchronized mammalian cell cultures. McBride OW, et al.
J Cell Biol 47:132-9, Oct 70
Long-term organ culture of the salamander heart. Millhouse EW Jr, et al. J Cell Biol 48:1-14, Jan 71
RNA synthesis in HeLa cells. Pattern in hypertonic medium and its similarity to synthesis during G2-prophase. Pederson T, et al.
J Cell Biol 47:734-44, Dec 70
A method for improving synchrony in the G2 phase of the cell cycle. Pederson T, et al.
J Cell Biol 49:942-5, Jun 71
Nucleoli of diploid cell strains. Their normal ultrastructure and the effects of toyocamycin and actinomycin D. Phillips SG, et al.
J Cell Biol 49:785-802, Jun 71
Distribution of labeled chromatin. I. M 1 and M 2 anaphases of diploid and tetraploid cultured mammalian cells. Priest JH, et al.
J Cell Biol 47:99-106, Oct 70
The smooth muscle cell. II. Growth of smooth muscle in culture and formation of elastic fibers. Ross R.
J Cell Biol 50:172-86, Jul 71
Metabolism of bilirubin by a clonal strain of rat hepatoma cells. Rugstad HE, et al.
J Cell Biol 47:703-10, Dec 70
The expression of differentiation by chick embryo thyroid in cell culture. II. Modification of phenotype in monolayer culture by different media. Spooner BS, et al. J Cell Biol 48:225-34, Feb 71
Microfilaments and cell locomotion. Spooner BS, et al.
J Cell Biol 49:595-613, Jun 71
Production of both prolactin and growth hormone by clonal strains of rat pituitary tumor cells. Differential effects of hydrocortisone and tissue extracts. Tashjian AH Jr, et al. J Cell Biol 47:61-70, Oct 70
A histochemical method for the demonstration of tyrosine aminotransferase in tissue culture cells, and studies of this enzyme in hepatoma tissue culture cells. Thompson EB, et al. J Cell Biol 49:921-7, Jun 71
Ultrastructure and function of growth cones and axons of cultured nerve cells. Yamada KM, et al.
J Cell Biol 49:614-35, Jun 71
Formation of extracellular adenosine triphosphate by normal and neoplastic human cells in culture. Agren G, et al. J Cell Physiol 77:331-6, Jun 71
Histidase function in human epidermal cells. Barnhisel ML, et al. J Cell Physiol 76:7-15, Aug 70
Control of macromolecular synthesis in proliferating and resting Syrian hamster cells in monolayer culture. II. Ribosome complement in resting and early G1 cells. Becker H, et al. J Cell Physiol 77:43-50, Feb 71
Argon laser micro-irradiation of mitochondria in rat myocardial cells in tissue culture. Berns MW, et al.
J Cell Physiol 76:207-13, Oct 70
Comparative studies on the interaction of benzpyrene with cells derived from poikilothermic and homeothermic vertebrates. II. Effect of temperature on benzpyrene metabolism and cell multiplication. Clark HF, et al. J Cell Physiol 77:385-92, Jun 71
Distinctions between rabbit lymph node cell populations responding to primary and secondary injections of keyhole limpet hemocyanin. Folds JD, et al. J Cell Physiol 77:401-10, Jun 71
Hematopoietic stem cells from mice with erythroblastosis. Hajdik I, et al.
J Cell Physiol 77:393-400, Jun 71
Further studies on the differentiation of a cell line of myeloid leukemia. Ichikawa Y.
J Cell Physiol 76:175-84, Oct 70
Mammalian cell fusion. 3. A HeLa cell inducer of premature chromosome condensation active in cells from a variety of animal species. Johnson RT, et al.
J Cell Physiol 76:151-7, Oct 70
Stimulation by epinephrine of adenyl cyclase activity, cyclic AMP formation, DNA synthesis and cell proliferation in populations of rat thymic lymphocytes. MacManus JP, et al.
J Cell Physiol 77:103-16, Feb 71
In vitro immune response of primed mouse spleen cells as affected by the time of antigenic stimulation. Meiss HK, et al. J Cell Physiol 76:3-6, Aug 70
Studies on colony formation in vitro by mouse bone marrow cells. II. Action of colony stimulating factor. Metcalf D. J Cell Physiol 76:89-99, Aug 70
Mutation rate from asparagine requirement to asparagine non-requirement. Morrow J.
J Cell Physiol 77:423-6, Jun 71
An improved heat-stable glutamine-free chemically defined medium for growth of mammalian cells. Nagle SC Jr, et al. J Cell Physiol 77:259-63, Apr 71
Responses of neuroblastoma cells to iontophoretically applied acetylcholine. Nelson PG, et al.
J Cell Physiol 77:353-62, Jun 71
Electrogenesis in mouse neuroblastoma cells in vitro. Nelson PG, et al. J Cell Physiol 77:337-52, Jun 71
Human bone marrow colony growth in agar-gel. Pike BL, et al. J Cell Physiol 76:77-84, Aug 70
The time of DNA replication in the cell cycle in relation to RNA synthesis in frog embryos. Remington JA, et al. J Cell Physiol 77:411-22, Jun 71
Further studies on the biological properties of Friend virus-induced leukemic cells differentiating along the erythrocytic pathway. Rossi GB, et al.
J Cell Physiol 76:159-66, Oct 70
Control of macromolecular synthesis in proliferating and resting Syrian hamster cells in monolayer culture. I. Ribosome function. Stanners CP, et al.
J Cell Physiol 77:31-42, Feb 71
A new method of cloning mammalian tissue culture cells in suspension. Walters RA, et al.
J Cell Physiol 76:85-8, Aug 70
Growth and macromolecular synthesis in the 3T6 mouse fibroblast. II. The role of serum. Bates CJ, et al.
J Cell Sci 7:683-93, Nov 70
The effects of sucrose and various salts on the growth and lysosomal enzyme activity of L5178Y cells. Bernacki RJ, et al. J Cell Sci 8:399-406, Mar 71
Improvements in a chemically defined medium for the growth of mouse cells (strain LS) in suspension. Birch JR, et al. J Cell Sci 7:661-70, Nov 70
The quantitative glucose and mineral nutrient requirements of mouse LS (suspension) cells in chemically defined medium. Birch JR, et al.
J Cell Sci 8:693-700, May 71
The uptake of vitamins by mouse fibroblast cells (strain LS) during growth in a chemically defined medium. Blaker GJ, et al. J Cell Sci 8:701-8, May 71
The surface structure of cultured rabbit kidney cells as revealed by electron micrscpy. Dimmock E.
J Cell Sci 7:719-37, Nov 70
The aggregation of trypsinized BHK21 cells. Edwards JG, et al. J Cell Sci 8:53-71, Jan 71
The rapid intermixing of cell surface antigens after

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

formation of mouse-human heterokaryons. Frye LD, et al. J Cell Sci 7:319-35, Sep 70
The effect of medium changes on the growth and metabolism of the human diploid cell, W1-38. Griffiths JB. J Cell Sci 8:43-52, Jan 71
The effect of insulin on the growth and metabolism of the human diploid cell, WI-38. Griffiths JB. J Cell Sci 7:575-85, Sep 70
The use of antibiotics in the preparation of amphibian cell cultures from highly contaminated material. Laskey RA. J Cell Sci 7:653-9, Nov 70
Growth and macromolecular synthesis in the 3T6 mouse fibroblast. I. General description and the role of ascorbic acid. Levene CI, et al. J Cell Sci 7:671-82, Nov 70
An inverse relation between cell density and the numner of microvilli in cultures of BHK 21 hamster fibroblasts. O'Neill CH, et al. J Cell Sci 7:695-709, Nov 70
Macromolecular glucosamine-containing component of the surface of cultivated mouse cells. Onodera K, et al. J Cell Sci 7:337-55, Sep 70
The toxic effect of spermidine on normal and transformed cells. Otsuka H. J Cell Sci 9:71-84, Jul 71
The preservation of specialization by dispersed steer thyroidal cells in long-term culture. Siegel E. J Cell Sci 9:49-60, Jul 71
Studies on the surface antigens of interspecific mammalian cell heterokaryons. Watkins JF, et al. J Cell Sci 2:193-204, Jun 67
Transformation by Rous sarcoma virus: effects on cellular glycolipids. Hakomori SI, et al. J Child Psychol Psychiatry 12:609-21, Jun 71
DNA replication in SV40-infected cells. V. Circular and catenated oligomers of SV40 DNA. Jaenisch R, et al. J Child Psychol Psychiatry 12:480-93, Jun 71
Early events required for induction of chromosome abnormalities in human cells by herpes simplex virus. O'Neill FJ, et al. J Child Psychol Psychiatry 12:544-53, Jun 71
Sendai virus RNA synthesis and nucleocapsid formation in the presence of cycloheximide. Robinson WS. J Child Psychol Psychiatry 12:494-502, Jun 71
Accentuation of interferon production by metabolic inhibitors and its dependence on protein synthesis. Tan YH, et al. J Child Psychol Psychiatry 12:503-9, Jun 71
Characterization by polyacrylamide gel electrophoresis of human growth hormone produced in tissue culture. Kohler PO, et al. J Clin Endocrinol Metab 32:70-6, Jan 71
Prolactin bioassay by induction of N-acetyllactosamine synthetase in mouse mammary gland explants. Loewenstein JE, et al. J Clin Endocrinol Metab 33:217-24, Aug 71
Measurement of prolactin activity in human serum by the induction of specific milk proteins in mammary gland in vitro. Turkington RW. J Clin Endocrinol Metab 33:210-6, Aug 71
Progeria: a cell culture study on aging. Danes BS. J Clin Invest 50:2000-3, Sep 71
Growth and cytopathogenicity of mycoplasma in human and chicken trachea explants. Butler M, et al. J Comp Pathol 81:359-64, Jul 71
Effects of vitamin A on in vitro tooth bud formation of rats. Biggerstaff RH, et al. J Dent Res 50:173, Jan-Feb 71
In vitro growth and oxygen uptake of fibroblasts from cleft and normal palate tissues. Chang TH, et al. J Dent Res 50:119-24, Jan-Feb 71
Tissue culture studies of bone as a model system for periodontal research. Goldhaber P. J Dent Res 50:278-87, Mar-Apr 71
Production of bone matrix in vitro. II. Histochemical observations on the role of acid mucopolysaccharide in early matrix formation. Porter K. J Dent Res 50:41-7, Jan-Feb 71
Production of bone matrix in vitro. 1. Method and histologic observations. Porter K. J Dent Res 50:31-40, Jan-Feb 71
Viability and growth of mouse embryos after in vitro culture and fusion. Bowman P, et al. J Embryol Exp Morphol 23:693-704, Jun 70
The inhibitory effect of tetracycline on osteogenesis in organ culture. Kaitila I, et al. J Embryol Exp Morphol 23:185-211, Feb 70
Organ-culture studies of achondroplastic rabbit cartilage: evidence for a metabolic defect in glucose utilization. Shepard TH, et al. J Embryol Exp Morphol 25:347-63, Jun 71
Accelerating effect of hydrocortisone on the keratinization of chick embryonic skin growing in a chemically defined medium. Sugimoto M, et al. J Embryol Exp Morphol 25:365-76, Jun 71
Prolactin production by the human anterior pituitary cultured in vitro. Gala RR. J Endocrinol 50:637-42, Aug 71
Demonstration of mammotrophic activity of the mouse placenta in organ culture and by transplantation. Kohmoto K, et al. J Endocrinol 48:99-107, Sep 70
Studies of DNA-induced heritable alteration of mammalian cells. Borenfreund E, et al. J Exp Med 132:1071-89, 1 Dec 70
Autosensitization in vitro. Cohen IR, et al. J Exp Med 133:834-45, 1 Apr 71
In vitro organization of dissociated rat cardiac cells into beating three-dimensional structures. Halbert SP, et al. J Exp Med 133:677-95, 1 Apr 71
Virologic studies in rheumatoid arthritis and other connective tissue diseases. Phillips PE. J Exp Med 134:Suppl:313s+, 1 Sep 71
Immune responses in vitro. 3. Development of primary gamma-M, gamma-G, and gamma-A plaque-forming cell responses in mouse spleen cell cultures stimulated with heterologous erythrocytes. Pierce CW, et al. J Exp Med 134:395-416, 1 Aug 71
Immunological memory in vitro. Radcliffe GN, et al. J Exp Med 133:846-56, 1 Apr 71
Properties of synovial cells in culture. Smith CA. J Exp Med 134:Suppl:306s+, 1 Sep 71
Oxygen uptake of virus-induced fused cells. Chung ST, et al. J Formosan Med Assoc 69:335-8, 28 Jun 70
C-type virus particles in pig kidney cell lines. Armstrong JA, et al. J Gen Virol 10:195-8, Feb 71
The inhibition of vaccinia virus DNA synthesis in KB cells infected with frog virus 3. Aubertin AM, et al. J Gen Virol 8:105-11, Aug 70
Induction of interferon in chick cells by adenoviruses of different origin. Beladi I, et al. J Gen Virol 8:143-4, Aug 70
Evidence for an RNA replicative intermediate in cells infected with Newcastle disease virus. Bratt MA, et al. J Gen Virol 10:139-45, Feb 71
An indirect ferritin-tagged antibody system for foot-and-mouth disease virus. Breese SS. J Gen Virol 8:153-5, Aug 70
Failure to demonstrate the interaction of subunits of thymidine kinase in cells simultaneously infected with herpes virus and a kinaseless mutant. Buchan A, et al. J Gen Virol 9:239-42, Dec 70
Rescue of murine sarcoma virus genome in mixed cultures of 'non-producer' hamster tumour cells and helper virus carrier cell lines. Chang SS, et al. J Gen Virol 10:107-10, Jan 71
Sendai virus replication: an ultrastructural comparison of productive and abortive infections in avian cells. Darlington RW, et al. J Gen Virol 9:169-77, Dec 70
Propagation and cytopathogenicity of arboviruses in mouse embryo cell culture. David-West TS. J Gen Virol 10:173-80, Feb 71
Thermal activation of the antiviral activity of synthetic polyribonucleotides: influence of DEAE-dextran in various cell cultures. De Clercq E. J. Gen Virol 10:125-30, Feb 71
The influence of inhibitors of macromolecular syntheses on capacity of herpes simplex virus to induce chromosomal damage. Donner L, et al. J Gen Virol 10:243-50, Mar 71
Attachment of two myxoviruses to ciliated epithelial cells. Dourmashkin RR, et al. J Gen Virol 9:77-88, Oct 70
The inhibitory effect of compound 48-80 on the formation of giant cells induced by herpesvirus hominis. Falke D, et al. J Gen Virol 10:273-7, Mar 71
The homologies of spontaneous and induced temperature-sensitive mutants of vesicular stomatitis virus isolated in chick embryo and BHK 21 cells. Flamand A, et al. J Gen Virol 11:81-5, May 71
Interference with cell viability and poliovirus multiplication by polyinosinic--polycytidylic acid. Flikke M, et al. J Gen Virol 9:111-7, Nov 70
Dissociation between cell conversion induced by mouse sarcoma virus and production of infectious virus. Guillemain B, et al. J Gen Virol 10:91-3, Jan 71
The influence of ultraviolet-inactivated Sendai virus on Marek's disease virus infection in tissue culture. Hložánek I. J Gen Virol 9:45-50, Oct 70
Failure to detect homology between the DNA of the Shope fibroma virus and the DNA of the sensitive cell. Jacquemont B, et al. J Gen Virol 10:237-42, Mar 71
The effect of growth rate in continuous-flow cultures on the replication of rubella virus in BHK cells. Kilburn DG, et al. J Gen Virol 9:1-7, Oct 70
Investigation of plaque formation in chick embryo cells as a biological marker for distinguishing herpes virus type 2 from type 1. Lowry SP, et al. J Gen Virol 10:1-9, Jan 71
Characterization of the abortive infection of chick embryo cells by herpesvirus type I. Lowry SP, et al. J Gen Virol 11:47-51, Apr 71
A full expression of the genome of Rous sarcoma virus in heterokaryons formed after fusion of virogenic mammalian cells and chicken fibroblasts. Machala O, et al. J Gen Virol 8:219-29, Sep 70
Studies on lipid metabolism in cells infected with adenovirus. McIntosh K, et al. J Gen Virol 10:251-65, Mar 71
Events in vaccinia virus-infected cells following the reversal of the antiviral action of rifampicin. Pennington TH, et al. J Gen Virol 9:225-37, Dec 70
The growth of some tick-borne arboviruses in cell cultures derived from tadpoles of the common frog, Rana temporaria. Pudney M, et al. J Gen Virol 10:131-8, Feb 71
The acid-soluble components of adenovirus and of adenovirus-infected cells. Russell WC. J Gen Virol 11:65-9, Apr 71
A cytochemical study of basic proteins in adenovirus-infected cells. Russell WC, et al. J Gen Virol 11:87-93, May 71
Molecular size of simian virus 40-specific RNA synthesized in productively infected cells. Sokol F, et al. J Gen Virol 11:177-88, Jun 71
Enhancement of reovirus infectivity by extracellular removal or alteration of the virus capsid by proteolytic enzymes. Spendlove RS, et al. J Gen Virol 8:83-94, Aug 70
Virus multiplication in organ cultures of human embryo small intestine. Stenhouse AC. J Gen Virol 8:235-9, Sep 70
Replication of Venezuelan equine encephalomyelitis virus in suspension cell cultures grown in serum-free and defined media. Tribble HR Jr, et al. J Gen Virol 10:231-6, Mar 71
Infectivity of molecular forms of simian virus 40 DNA. Trkula D, et al. J Gen Virol 10:221-9, Mar 71
Detection by immunofluorescence of surface antigens in cells from tumours induced in hamsters by adenovirus type 12. Vasconcelos-Costa J. J Gen Virol 8:69-71, Jul 70
Effects of arginine deprivation on polyoma virus infection of mouse embryo cultures. Winters AL, et al. J Gen Virol 10:53-63, Jan 71
Fate of adenovirus types 2 and 12 in infected serial cultures of non-primate origin. Winters WD, et al. J Gen Virol 8:95-104, Aug 70
Inhibitory effect of ultraviolet-inactivated vesicular stomatitis virus on initiation o DNA synthesis in cultured chick embryo cells. Yaoi Y, et al. J Gen Virol 9:69-75, Oct 70
Radiological studies on the chronological relation between murine sarcoma virus infection and cell cycle. Yoshikura H. J Gen Virol 8:113-30, Aug 70
Entry of infectious bovine rhinotracheitis virus into cells. Zee YC, et al. J Gen Virol 11:59-63, Apr 71
The development of feline cell lines for the growth of feline infectious enteritis (panleucopaenia) virus. O'Reilly KJ, et al. J Hyg (Camb) 67:115-24, Mar 69
Application of the fluorescent antibody method in the diagnosis of M. parainfluenzae. 3. Isolation and identification of M. parainfluenzae on monkey kidney tissue cultures and in nasal and nasopharyngeal swabs. Fedová D, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 15:82-92, 1971
Noninfectious concentrated culture antigens of tick-borne encephalitis viruses for haemagglutination inhibition reaction. Kokorev VS. J Hyg Epidemiol Microbiol Immunol (Praha) 14:430-9, 1970
The sensitivity of the human diploid cell strain WI-38 to different viruses. Trlifajová J, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 14:413-9, 1970
Temperature-sensitive mutants of influenza virus. I. Behavior in tissue culture and in experimental animals. Mills J, et al. J Infect Dis 123:145-57, Feb 71
Amino acid composition and tumour formation in the tu-C4 melanotic tumour strain of Drosophila melanogaster. Belt AL. J Insect Physiol 17:1217-23, Jul 71
Replication of a nuclear polyhedrosis virus in an established insect cell line. Goodwin RH, et al. J Invertebr Pathol 16:284-8, Sep 70
Transplantation of organ cultures of adult human skin. Summerlin WT, et al. J Invest Dermatol 55:310-6, Nov 70
The growth of fetal mouse skin in cell culture and transplantation to F1 mice. Yuspa SH, et al. J Invest Dermatol 55:379-89, Dec 70
Requirement for carrier protein in salicylanilide sensitivity: the migration-inhibition test in contact photoallergy. Herman PS, et al. J Lab Clin Med 77:572-9, Apr 71
Granulocyte colony-stimulating factor. II. Relationship to in vivo granulopoiesis. Shadduck RK, et al. J Lab Clin Med 78:53-60, Jul 71
The control of growth of mammalian cells in axenic culture. The role of conformation of growth regulatory proteins. Tritsch GL, et al. J Med (Basel) 1:90-100, 1970
Establishment of a line of cells derived from ovarian tissue of Clex quinquefasciatus Say. Hsu SH, et al. J Med Entomol 7:703-7, Dec 70
Primary cell cultures derived from larvae of Ctenocephalides felis (Bouché) (Siphonaptera). Reháček J, et al. J Med Entomol 8:66-7, 30 Mar 71
Morphological changes and resistance to vaccinia virus induced in human amnion cells by yeast extract. Chakraborty AS, et al. J Med Microbiol 4:115-23, Feb 71
Cytotoxicity of filtrates of haemolytic Escherichia coli. Chaturvedi UC, et al. J Med Microbiol 2:211-8, Aug 69
The behaviour of T-mycoplasmas in tissue culture. Mazzali R, et al. J Med Microbiol 4:125-38, Feb 71
Relation of steroid structure to enzyme induction in hepatoma tissue culture cells. Samuels HH, et al. J Mol Biol 52:57-74, 28 Aug 70
Immunoglobulin biosynthesis. V. Light chain assembly. Schubert D, et al. J Mol Biol 53:305-20, 14 Nov 70
Superinduction of tyrosine aminotransferase by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

actinomycin D in rat hepatoma (HTC) cells. Thompson EB, et al. J Mol Biol 54:159-75, 14 Dec 70
Properties of rapidly labelled deoxyribonucleic acid fragments isolated from the cytoplasm of primary cultures of embryonic mouse liver cells. Williamson R. J Mol Biol 51:157-68, 14 Jul 70
Propagation of Herpesvirus saimiri in human cells. Ablashi DV, et al. J Natl Cancer Inst 47:241-4, Jul 71
Hexokinase activity in tumorigenic and nontumorigenic cell cultures derived from mouse ascites tumor cells. Bhatnagar MK, et al. J Natl Cancer Inst 47:15-20 passim, Jul 71
Cell line initiation from cord blood leukocytes treated with viruses, chemicals, and radiation. Chang RS, et al. J Natl Cancer Inst 47:479-83, Aug 71
Infectivity of cell cultures by a virus isolated from a mammary carcinoma of a rhesus monkey. Chopra HC, et al. J Natl Cancer Inst 46:127-37, Jan 71
Radioautographic analysis of 7,12-dimethyl-benz(a)anthracene-3H incorporation and cell survival of Syrian hamster embryo cells during exposure to nucleic acid inhibitors. Connell DI, et al. J Natl Cancer Inst 46:183-93, Jan 71
Characteristics of primary tumors induced by carcinogenic polycyclic hydrocarbons in Syrian hamsters. DiPaolo JA, et al. J Natl Cancer Inst 46:171-81, Jan 71
Tumor-specific immunity induced by nontumorigenic 6C3HED ascites tissue culture cells. Eng CP, et al. J Natl Cancer Inst 45:235-42, Aug 70
Growth inhibitory activity in the supernatants of nondividing WI-38 cells. Garcia-Girait E, et al. J Natl Cancer Inst 45:649-55, Oct 70
Reevaluation of relationship between C chromosome marker and Epstein-Barr virus: chromosome and immunofluorescence analyses of 16 human hematopoietic cell lines. Huang CC, et al. J Natl Cancer Inst 45:815-29, Oct 70
Developmental potentialities of clonal in vitro cultures of mouse testicular teratoma. Kahan BW, et al. J Natl Cancer Inst 44:1015-36, May 70
Development of nononcogenic SA7-adenovirus 2 populations that immunize against SA7-transformed cells. Kapian PM, et al. J Natl Cancer Inst 46:565-76, Mar 71
Persistence of H-2 and some non-H-2 antigens on long-term-cultured mouse cell lines. Klein D, et al. J Natl Cancer Inst 44:1149-60, May 70
Differences in susceptibility of human cells to mouse sarcoma virus. Klement V, et al. J Natl Cancer Inst 47:65-73, Jul 71
So-called C marker chromosome and Epstein-Barr virus, by J. Whang-Peng, P. Gerber, and T. Knutsen, Human Tumor Cell Biology Branch, Clinical Trials, Chemotherapy, National Cancer Institute and Division of Biologics Standards, Bethesda, Maryland 20014. Kohn G. J Natl Cancer Inst 46:685-7, Mar 71
Karyotype studies on human leukemic lymphoblasts in vitro and as serial transplants in neonatal syrian hamsters. Krishan A, et al. J Natl Cancer Inst 43:1203-14, Dec 69
Studies of experimental bladder carcinoma in Fischer 344 female rats. II. Characterization of 3 cell lines derived from induced urinary bladder carcinomas. Lavin P, et al. J Natl Cancer Inst 46:597-614, Mar 71
Further characterization of the WI-L1 and WI-L2 lymphoblastoid lines. Levy JA, et al. J Natl Cancer Inst 46:647-54, Mar 71
Replication of mammary tumor virus in tumor cell cultures: dependence on hormone-induced cellular organization. McGrath CM. J Natl Cancer Inst 47:455-67, Aug 71
Dependence of chromosome pulverization in virus-fused cells on events in the G2 period. Matsui S, et al. J Natl Cancer Inst 47:401-11, Aug 71
Intercellular transfer of toxic components after laser irradiation. May JF, et al. J Natl Cancer Inst 46:655-63, Mar 71
Differentiation by immunoferritin of herpes simplex antigens with the use of rabbit 7S and 19S antibodies from early (7-day) and late (7-week) immune sera. Miyamoto K, et al. J Natl Cancer Inst 46:629-46, Mar 71
Chromosomal changes in Syrian hamster cells transformed by simian virus 40 (SV40) and variants of defective SV40 (PARA). Nachtigal M, et al. J Natl Cancer Inst 47:35-45, Jul 71
Further studies on the replication of Marek's disease virus in the chicken and in cell culture. Nazerian K. J Natl Cancer Inst 47:207-17, Jul 71
Variations in immunogenicity of disrupted cells prepared from an adenovirus-7 hamster tumor cell line. Panteleakis PN, et al. J Natl Cancer Inst 46:1195-200, Jun 71
Ultrastructural nucleolar segregation and carcinogenicity among the 4-nitroquinoline-1-oxides. Paul JS, et al. J Natl Cancer Inst 47:367-75, Aug 71
Production of antigens associated with Epstein-Barr virus in experimentally infected lymphoblastoid cell lines. Pearson GR, et al. J Natl Cancer Inst 46:1243-50, Jun 71
In vitro growth and differetiation of clonal populations of multipotential mouse cils derived from a transplantable testicular teratocarcinoma. Rosenthal MD, et al. J Natl Cancer Inst 44:1001-14, May 70
Some aspects of the role of vitamin B 12 and folic acid in DNA-thymidine sy nthesis in a neoplastic C3H mouse cell strain. Rotherham J, et al. J Natl Cancer Inst 47:277-87, Aug 71
Cellular interactions in vitro with cells derived from tumors induced by murine sarcoma virus (Harvey). Simons PJ, et al. J Natl Cancer Inst 46:1229-42, Jun 71
A cell culture system for the assessment of tumor-promoting activity. Sivak A, et al. J Natl Cancer Inst 44:1091-7, May 70
Murine myeloproliferative virus in cell culture. Soule HD, et al. J Natl Cancer Inst 45:253-63, Aug 70
Growth of multicell spheroids in tissue culture as a model of nodular carcinomas. Sutherland RM, et al. J Natl Cancer Inst 46:113-20, Jan 71
Release of C-type particles from normal rat thymus cultures and those infected with Moloney leukemia virus. Teitz Y, et al. J Natl Cancer Inst 46:11-23, Jan 71
Plaque formation by Yaba virus in cynomolgus monkey kidney cells. Tsuchiya Y, et al. J Natl Cancer Inst 47:219-22, Jul 71
So-called C marker chromosome and Epstein-Barr virus. Whang-Peng J, et al. J Natl Cancer Inst 45:831-9, Oct 70
Effect of calcium and magnesium on the morphology and growth pattern of L-M cells. Yang DP, et al. J Natl Cancer Inst 46:505-16, Mar 71
Mediation by -adrenergic receptors of effect of norepinephrine on pineal synthesis of (14 C)serotonin and (14 C)melatonin. Wurtman RJ, et al. J Neurochem 18:1683-7, Sep 71
In vitro studies of normal newborn rat cerebellum using a chemically defined tissue culture medium. Lapham LW, et al. J Neuropathol Exp Neurol 30:126-7, Jan 71
The cultivation of Plasmodium relictum in mosquito cell lines. Ball GH, et al. J Parasitol 57:391-5, Apr 71
Increasing the yield of Eimeria tenella oocysts in cell culture. Doran DJ. J Parasitol 57:891-900, Aug 71
Behavior and pathogenicity of Trichomonas vaginalis Donné in chick liver cell cultures. Farris VK, et al. J Parasitol 56:849-52, Oct 70
Cultivation of Echinostoma revolutum (trematoda) on the chick chorioallantois. Fried B, et al. J Parasitol 54:939-41, Oct 68
The use of tissue culture-grown trophozoites of an avirulent strain of Toxoplasma gondii for the immunization of mice and guinea pigs. Krahenbuhl JL, et al. J Parasitol 57:386-90, Apr 71
The use of Aedes aegypti for infecting chick embryos with Plasmodium gallinaceum. Marty WG, et al. J Parasitol 57:611-4, Jun 71
Penetration of Eimeria larimerensis sporozoites into cultured cells as observed with the light and electron microscopes. Roberts WL, et al. J Parasitol 57:615-25, Jun 71
Development of Eimeria ellipsoidalis from cattle in cultured bovine cells. Speer CA, et al. J Parasitol 57:675-7, Jun 71
Cell culture of Isospora from the English sparrow, Passer domesticus domesticus. Turner MB, et al. J Parasitol 56:1218-23, Dec 70
An electron-microscope study of rat fibroblasts infected with Mycobacterium lepraemurium. Brown CA, et al. J Pathol 102:21-6, Sep 70
The effect of hypoxia on human trophoblast in organ culture. Fox H, et al. J Pathol 101:Pv, Aug 70
Morphology and enzyme histochemistry of cells derived from placental villi in tissue culture. Fox H, et al. J Pathol 101:267-76, Jul 70
Canine tissue culture rubella vaccine in dog-sensitive children. Go S, et al. J Pediatr 78:307-10, Feb 71
A simplified technique for the culture of amniotic fluid cells. Gray C, et al. J Pediatr 79:119-22, Jul 71
Factors influencing toxicity of bilirubin in cerebellum tissue culture. Silberberg DH, et al. J Pediatr 77:386-96, Sep 70
A study of the effects of gingival plague extracts on cells cultured in vitro. Baboolal R, et al. J Periodont Res 5:248-54, 1970
The effect of fluoride pretreatment and ascorbic acid on bone growth in tissue culture. Golub L, et al. J Periodont Res 6:73-9, 1971
Gingival tissue physiology in vitro. 1. Gingival organ culture. Powell RN. J Periodont Res 2:290-6, 1967
Autonomic receptor mechanisms in embryonic chick myocardial cell cultures. Ertel RJ, et al. J Pharmacol Exp Ther 178:73-80, Jul 71
The uptake of tritiated ouabain by monolayers of cultured cells under various conditions. Barve A, et al. J Physiol (Lond) 211:Suppl:12P+, Dec 70
Establishment of a strain of actively proliferating mouse peritoneal macrophages. Jacoby F, et al. J Physiol (Lond) 206:11P-12P, Feb 70
Uptake of (3H)ouabain and Na pump turnover rates in monolayer cultures of Girardi heart cells. Lamb JF, et al. J Physiol (Lond) 213:57P-58P, Mar 71
The response to cardioactive drugs of hearts maintained in organ culture. Wildenthal K. J Physiol (Lond) 210:142P+, Sep 70
The influence of insulin in promoting the survival and beating of intact foetal mouse hearts in organ culture. Wildenthal K. J Physiol (Lond) 207:33P-34P, Mar 70
Development of Eimeria alabamensis from cattle in mammalian cell cultures. Sampson JR, et al. J Protozool 18:120-8, Feb 71
Culture of mouse oocytes in vitro, using a system without oil or protein. Haidri AA, et al. J Reprod Fertil 26:409-11, Sep 71
Studies on rat testicular cells in tissue culture. Kretser DM de, et al. J Reprod Fertil 24:311-8, Mar 71
Maternal ageing and embryonic mortality in the rabbit. I. Repeated superovulation, embryo culture and transfer. Maurer RR, et al. J Reprod Fertil 25:329-41, Jun 71
Mouse blastocysts grown in vivo and in vitro: carbon dioxide production and trophoblast outgrowth. Menke TM, et al. J Reprod Fertil 23:117-27, Oct 70
Culture of mammalian oocytes. Chandley AC. J Reprod Fertil [Suppl] 14:1-6, Jun 71
Culture of mouse ova. Whittingham DG. J Reprod Fertil [Suppl] 14:7-21, Jun 71
Experimental study on development and behaviour of the multinucleated giant cells "in vitro". Comoglio PM, et al. J Reticuloendothel Soc 9:397-408, May 71
Cultivation and in vitro characterization of mouse phagocytic cells. Evans R. J Reticuloendothel Soc 8:571-81, Dec 70
Concentration of plaque-forming cells by sucrose density-gradient centrifugation. Saunders GC. J Reticuloendothel Soc 8:229-4, Sep 70
Long-term culture of mouse macrophages. Smith HJ, et al. J Reticuloendothel Soc 9:336-51, Apr 71
A technique for the study of human prostatic epithelial cells in vitro by time-lapse cinematography. Lerch VL, et al. J Urol 104:564-71, Oct 70
Effect of ultraviolet irradiation on the survival of simian virus 40 functions in human and mouse cells. Aaronson SA. J Virol 6:393-9, Oct 70
Susceptibility of human cell strains to transformation by simian virus 40 and simian virus 40 deoxyribonucleic acid. Aaronson SA. J Virol 6:470-5, Oct 70
Superinfection of simian virus 40-transformed permissive cells with simian virus 40. Barbanti-Brodano G, et al. J Virol 6:644-51, Nov 70
Early events in the infection of permissive cells with simian virus 40: adsorption, penetration, and uncoating. Barbanti-Brodano G, et al. J Virol 6:78-86, Jul 70
Multiplication of polyoma virus in mouse-hamster somatic hybrids: a hybrid cell line which produces viral particles containing predominantly host deoxyribonucleic acid. Basilico C, et al. J Virol 7:802-12, Jun 71
In vitro induction of a herpes-type virus in "summer-phase" Lucké tumor explants. Breidenbach GP, et al. J Virol 7:679-82, May 71
Propagation in human cells of a filterable agent from the ST feline sarcoma. Chang RS, et al. J Virol 6:599-603, Nov 70
Formation of cellular deoxyribonucleic acid during productive polyoma virus infection. Cheevers WP, et al. J Virol 6:573-82, Nov 70
Comparison of Rous sarcoma virus-specific deoxyribonucleic acid polymerases in virions of Rous sarcoma virus and in Rous sarcoma virus-infected chicken cells. Coffin JM, et al. J Virol 7:625-34, May 71
Deoxyribonucleic acid synthesis in synchronized mammalian KB cells infected with herpes simplex virus. Cohen GH, et al. J Virol 7:783-91, Jun 71
Integration of the deoxyribonucleic acid of adenovirus type 12 into the deoxyribonucleic acid of baby hamster kidney cells. Doerfler W. J Virol 6:652-66, Nov 70
Superhelix density heterogeneity of intracellular simian virus 40 deoxyribonucleic acid. Eason R, et al. J Virol 7:1-7, Jan 71
Structure and cytopathic effects of Nelson Bay virus. Gard G, et al. J Virol 6:100-6, Jul 70
Susceptibility of differentiating muscle cells of the fetal mouse in culture to coxsackievirus A13. Goldberg RJ, et al. J Virol 7:759-69, Jun 71
Modification of Sindbis virus glycoprotein by host-specified glycosyl transferases. Grimes WJ, et al. J Virol 7:309-13, Mar 71
Initial stage of transformation of permissive cells by simian virus 40: development of resistance to productive infection. Hahn EC, et al. J Virol 8:7-16, Jul 71
Phospholipid composition of Venezuelan equine encephalitis virus. Heydrick FP, et al. J Virol 7:642-5, May 71
Comparison of cytocidal and noncytocidal strains of Shope rabbit fibroma virus. Hinze HC, et al. J Virol 7:577-81, May 71
Morphological aspects of the uptake of simian virus 40 by permissive cells. Hummeler K, et al. J Virol 6:87-93, Jul 70
Effect of phleomycin on polyoma virus synthesis in mouse embryo cells. Iwata A, et al. J Virol 7:29-40, Jan 71
Analysis of the fusion of XC cells induced by homogenates of murine leukemia virus-infected cells and by purified murine leukemia virus. Johnson GS, et al. J Virol 7:753-8, Jun 71
Growth of murine cytomegalovirus in various cell lines. Kim KS, et al. J Virol 7:720-5, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Virus interference by cellular double-stranded ribonucleic acid. Kimball PC, et al. J Virol 7:697-706, Jun 71

Analysis of the molecular forms of simian virus 40 deoxyribonucleic acid synthesized in cycloheximide-treated cell cultures. Kit S, et al. J Virol 7:87-94, Jan 71

Glycolipid content of vesicular stomatitis virus grown in baby hamster kidney cells. Klenk HD, et al. J Virol 7:416-7, Mar 71

Evidence for a relationship between equine abortion (herpes) virus deoxyribonucleic acid synthesis and the S phase of the KB cell mitotic cycle. Lawrence WC. J Virol 7:736-48, Jun 71

Transient stimulation of deoxyribonucleic acid-dependent ribonucleic acid polymerase and histone acetylation in human embryonic kidney cultures infected with adenovirus 2 or 12: apparent induction of host ribonucleic acid synthesis. Ledinko N. J Virol 6:58-68, Jul 70

Changes in deoxyribonucleic acid synthesis regulation in Chinese hamster cells infected with simian virus 40. Lehman JM, et al. J Virol 6:738-49, Dec 70

Virus-specific deoxyribonucleic acid in simian virus 40-exposed hamster cells: correlation with S and T antigens. Levine AS, et al. J Virol 6:199-207, Aug 70

Lipid composition of purified vesicular stomatitis viruses. McSharry JJ, et al. J Virol 7:59-70, Jan 71

Epstein-Barr viral antigen in single cell clones of two human leukocytic lines. Miller MH, et al. J Virol 6:699-701, Nov 70

Electron microscopic studies of tumor viruses. I. Entry of murine leukemia virus into mouse embryo fibroblasts. Miyamoto K, et al. J Virol 7:395-406, Mar 71

Morphogenesis of respiratory syncytial virus in a green monkey kidney cell line (Vero). Norrby E, et al. J Virol 6:237-42, Aug 70

Synergistic effect of herpes simplex virus and cytosine arabinoside on human chromosomes. O'Neill FJ, et al. J Virol 7:692-5, May 71

Comparison of subacute sclerosing panencephalitis and measles viruses: an electron microscope study. Oyanagi S, et al. J Virol 7:176-87, Jan 71

Electron microscopic observations in subacute sclerosing panencephalitis brain cell cultures: their correlation with cytochemical and immunocytological findings. Oyanagi S, et al. J Virol 6:370-9, Sep 70

Transport as the rate-limiting step in the incorporation of uridine into mengovirus ribonucleic acid in Novikoff rat hepatoma cells. Plagemann PG, et al. J Virol 7:137-43, Jan 71

Effect of mengovirus replication on choline metabolism and membrane formation in novikoff hepatoma cells. Plagemann PG, et al. J Virol 6:800-12, Dec 70

Mechanism of oncogenic transformation by Rous sarcoma virus. II. Effect of rifampin on Rous sarcoma virus infection. Richert NJ, et al. J Virol 8:62-5, Jul 71

Effects of elevated temperatures on mengovirus ribonucleic acid synthesis and virus production in Novikoff rat hepatoma cells. Shea MA, et al. J Virol 7:144-54, Jan 71

Deoxyribonucleotide pools and deoxyribonucleic acid synthesis in mouse embryo cells infected with three classes of polyoma virus particles. Skoog L, et al. J Virol 6:28-32, Jul 70

Association of viral ribonucleic acid with cellular membranes in chick embryo cells infected with Sindbis virus. Sreevalsan T. J Virol 6:438-44, Oct 70

Absence of interference during high-multiplicity infection by clonally purified vesicular stomatitis virus. Stampfer M, et al. J Virol 7:409-11, Mar 71

Relative antiviral resistance induced in homologous and heterologous cells by cross-reacting interferons. Stewart WE 2d, et al. J Virol 6:795-9, Dec 70

Transformation of mouse macrophages by simian virus 40. Stone LB, et al. J Virol 6:621-7, Nov 70

Transformation of murine cells by two "slow viruses," visna virus and progressive pneumonia virus. Takemoto KK, et al. J Virol 7:770-5, Jun 71

Cells persistently infected with Newcastle disease virus. II. Ribonucleic acid and protein synthesis in cells infected with mutants isolated from persistently infected L cells. Thacore H, et al. J Virol 6:42-8, Jul 70

Post-transcriptional control of interferon synthesis. Vilček J, et al. J Virol 7:588-94, May 71

Phospholipid synthesis in Sindbis virus-infected cells. Waite MR, et al. J Virol 6:637-43, Nov 70

Interferon production and inhibition of host synthesis in cells infected with vesicular stomatitis virus. Wertz GW, et al. J Virol 6:476-84, Oct 70

Morphogenesis of the nucleoprotein of vesicular stomatitis virus. Zajac BA, et al. J Virol 6:243-52, Aug 70

Non-essential amino acid requirements of mammalian cells in tissue culture. Hosokawa A, et al. Jap J Exp Med 41:273-90, Aug 71

Mass immunization of children in Iran with live attenuated Sugiyama measles virus adapted to calf kidney cell cultures. Mirchamsy H, et al. Jap J Exp Med 41:39-48, Feb 71

The relationship between the proliferative activity of lymphocytes in the mixed lymphocyte culture and immunologic status of the cell donors in rats. Nishihira T, et al. Jap J Exp Med 41:357-61, Aug 71

Humoral antibodies in canine renal allotransplantation. A preliminary observation by tissue culture technic. Sekiguchi M, et al. Jap J Exp Med 41:375-80, Aug 71

Two factors affecting interferon synthesis in chick embryo cells: interferon depressor and aged-medium factor. Kato N. Jap J Med Sci Biol 24:133-4, Apr 71

Induction of antiviral resistance and interferon production in animal cell culture by exogenous RNA. Kawade Y. Jap J Med Sci Biol 24:130-1, Apr 71

Correlation of macrophage migration inhibition with tuberculin skin reaction in experimental tuberculosis. Yamamoto KI. Jap J Med Sci Biol 24:191, Jun 71

Studies on macrophage migration inhibitory factor. Yoshida T. Jap J Med Sci Biol 24:190, Jun 71

Plaque formation by sendai virus of parainfluenza virus group, type 1 on monkey, calf kidney and chick embryo cell monolayers. Shibuta H, et al. Jap J Microbiol 15:175-83, Mar 71

Mouse tumor induced by polyoma virus. 1. Establishment of an epitheloid cell line spontaneously releasing polyoma virus in vitro. Taguchi F, et al. Kitasato Arch Exp Med 42:59-67, Jun 69

Establishment and genetic stability of human amnion cell lines. Conover JH, et al. Lab Invest 24:38-40, Jan 71

Storage of freeze-dried cultures. Gore LF. Lab Pract 19:923, Sep 70

Simple controlled-rate freezing device. Sohi SS, et al. Lab Pract 20:127-8, Feb 71

Heparin-induced metachromasia. Befalluy E, et al. Lancet 1:973, 8 May 71

Foreign-cell contamination in Burkitt tumours. Fialkow PJ, et al. Lancet 1:883-6, 1 May 71

Is maternal lymphocyte sensitisation passed to the child? Field EJ, et al. Lancet 2:337-42, 14 Aug 71

Leucocyte-migration inhibition induced by IgG in rheumatoid arthritis. Fröland SS, et al. Lancet 1:1071-2, 22 May 71

Attempts at virus culture from the kidneys of NZB X NZW mice. Gabriel R, et al. Lancet 1:451-2, 27 Feb 71

Laboratory safety and human cell-lines. Martin GM, et al. Lancet 1:450-1, 27 Mar 71

Working with human cell lines. Moore G. Lancet 2:978-9, 7 Nov 70

Lymphocyte-typing changes after short-term culture. Noer G, et al. Lancet 2:262, 31 Jul 71

Leucocyte-migration inhibition in rheumatoid arthritis. Rothenberger W, et al. Lancet 2:372, 14 Aug 71

Isolation of Mycoplasma arginini from tissue-cultures. Stewart SM, et al. Lancet 1:347, 13 Feb 71

Measles-vaccine viruses in tissue-culture of non-neuronal cells of human fetal brain. Webb HE, et al. Lancet 2:4-5, 3 Jul 71

Laser photosensitization and metabolic inhibition of tissue culture cells treated with quinacrine hydrochloride. Berns MW, et al. Life Sci [II] 9:1061-9, 22 Sep 70

Morphological and biochemical changes of rat prostate organ cultures and their reaction to prostate extracts. Comoglio PM, et al. Life Sci [II] 10:325-31, 22 Mar 71

Assay of tRNA methylase enzymes in studies of malignant transformation in vitro. Pillinger DJ, et al. Life Sci [II] 10:241-9, 8 Mar 71

Studies on methylation of nucleic acids in crown gall tumor tissue cultures of tobacco. Srivastava BI. Life Sci [II] 9:1315-20, 22 Nov 70

The effect of antibiotics on the growth of Catharanthus roseus tissue cultures. Carew DP, et al. Lloydia 33:275-7, Jun 70

Cell size and nucleic acid content in the diploid human cell line WI-38 during aging. Cristofalo VJ, et al. Med Exp (Basel) 19:313-20, 1969

In vitro cultivation of cells from human epidermis. Kitano Y. Med J Osaka Univ 21:47-52, Dec 70

The relative mitogenicities of some French bean (Phaseolus vulgaris L.) and runner bean (Phaseolus coccineus L.) seed extracts in leukocyte culture. Toms A, et al. Med Lab Technol 28:300-7, Jul 71

Plaque assay in petri dishes in the absence of CO2 atmosphere. Ronda-Lain C, et al. Microbiol Esp 23:61-7, Jan-Mar 70

Qualitative and quantitative Nomarski differential interference contrast-fluorescence microscopy on cell culture monolayers. Geissinger HD, et al. Mikroskopie 27:129-35, Jul 71

Nomarski differential interference contrast microscopy and scanning electron microscopy of tissue sections and fibroblast cell culture monolayers. Geissinger HD, et al. Mikroskopie 27:32-9, Apr 71

Phase microscopy of the endoplasmic reticulum of living cells in tissue culture. Sandström B. Mikroskopie 26:313-6, Jan 71

Formation of new bone in diffusion chambers. Ecke H, et al. Minn Med 53:1077-9, Oct 70

Establishment of lymphoid cell lines in patients with common viral diseases. Paltrowitz IM, et al. Mt Sinai J Med NY 38:284-92, May-Jun 71

How to select cancer cells with the proper qualifications. Baserga R. N Engl J Med 284:613-4, 18 Mar 71

Common genetic alterations of RNA tumour viruses grown in human cells. Aaronson SA. Nature (Lond) 230:445-7, 16 Apr 71

Rapid cell culture assay technic for murine leukaemia viruses. Bassin RH, et al. Nature (Lond) 229:564-6, 19 Feb 71

Recording system for monitoring automaticity of heart cells in culture. Bodor GB, et al. Nature (Lond) 231:531-2, 25 Jun 71

Initial crystallin synthesis and lens fibre formation are independent of lens morphogenesis. Braverman M, et al. Nature (Lond) 230:392-3, 9 Apr 71

Energy for meat. Britz D. Nature (Lond) 231:201, 21 May 71

Growth potential of scrapie mouse brain in vitro. Caspary EA, et al. Nature (Lond) 229:289-70, 22 Jan 71

Chromosome displacement in and extraction from human cells at different mitotic stages. Diacumakos EG, et al. Nature (Lond) 232:33-6, 2 Jul 71

Trophic interaction between cloned tissue culture lines of nerve and muscle. Harris AJ, et al. Nature (Lond) 231:296-301, 4 Jun 71

Post-blastocyst differentiation in vitro. Hsu YC. Nature (Lond) 231:100-2, 14 May 71

Genetics of somatic mammalian cells: linkage studies with human-Chinese hamster cell hybrids. Kao FT, et al. Nature (Lond) 228:329-32, 24 Oct 70

Induction of acetylcholinesterase activity in mouse neuroblastoma tissue culture cells. Kates JR, et al. Nature (Lond) 229:345-7, 29 Jan 71

Genetic content of adult somatic cells tested by nuclear transplantation from cultured cells. Laskey RA, et al. Nature (Lond) 228:1332-4, 26 Dec 70

Communication between cells of different type. Michalke W, et al. Nature (Lond) 232:121-2, 9 Jul 71

Expensive meat. Pirt SJ. Nature (Lond) 231:86, 7 May 71

Reversion of virus-transformed cell lines: hyperploidy accompanies retention of viral genes. Pollack R, et al. Nature (Lond) 228:938 passim, 5 Dec 70

Control of glycolipid synthesis in a cultured hamster cell line. Robbins PW, et al. Nature (Lond) 229:569-70, 19 Feb 71

Human blastocyst grown in vitro in ovulation cervical mucus. Shettles LB. Nature (Lond) 229:343, 29 Jan 71

Human blastocysts grown in culture. Steptoe PC, et al. Nature (Lond) 229:132-3, 8 Jan 71

Collagenolytic activity of sarcoma tissues in culture. Taylor AC, et al. Nature (Lond) 228:366-7, 24 Oct 70

Formation of infectious arbovirus ribonucleoprotein in subcellular structures. Zhdanov VM, et al. Nature (Lond) 228:1192-4, 19 Dec 70

Activity and properties of macrophage migration inhibitory factor produced by mixed lymphocyte cultures. Bartfeld H, et al. Nature [New Biol] 230:246-7, 21 Apr 71

N-acetylcysteine inactivates migration inhibitory factor and delayed hypersensitivity reactions. Bartfeld H, et al. Nature [New Biol] 231:157-9, 3 Jun 71

Susceptibility to superinfection of hybrids between polyoma "transformed" BHK and "normal" 3T3 cells. Basilico C, et al. Nature [New Biol] 230:105-7, 24 Mar 71

In vitro detection of enhancing antibody by the macrophage migration test. Bernstein I, et al. Nature [New Biol] 231:25-6, 5 May 71

Increase in survival of subcultured fibroblasts mediated by serotonin. Boucek RJ, et al. Nature [New Biol] 229:61-2, 13 Jan 71

Forssman antigen exposed on surface membrane after viral transformation. Burger MM. Nature [New Biol] 231:125-6, 26 May 71

Initiation of mammalian viral protein synthesis. Caffier H, et al. Nature [New Biol] 229:239-41, 24 Feb 71

Binding of 3 H-concanavalin A by normal and transformed cells. Cline MJ, et al. Nature [New Biol] 232:155-6, 4 Aug 71

Corn smut dikaryon in culture. Day PR, et al. Nature [New Biol] 231:19-20, 5 May 71

Toxicity of tissue culture media exposed to polyvinyl chloride plastic. DeHaan RL. Nature [New Biol] 231:85-6, 19 May 71

In vitro transformation of hamster cells by polycyclic hydrocarbons: factors influencing the number of cells transformed. DiPaolo JA, et al. Nature [New Biol] 230:240-2, 21 Apr 71

Concanavalin A inhibits tumour cell migration. Friberg S Jr, et al. Nature [New Biol] 232:121-2, 28 Jul 71

Recombinational events between exogenous mouse DNA and newly synthesized DNA strands of chicken cells in culture. Hill M, et al. Nature [New Biol] 231:281-5, 30 Jun 71

Lymphoid cell lines: activation of a latent herpes-like virus particle? McCormick KJ, et al. Nature [New Biol] 230:83-4, 17 Mar 71

Immunological potential of the in vitro mixed skin cell-leukocyte reaction. Main RK, et al. Nature [New Biol] 229:89-91, 20 Jan 71

Infection of tumour cells by fowl plague virus in the presence of actinomycin D. Mallucci L, et al. Nature [New Biol] 232:179-81, 11 Aug 71

Effect of methyl metanesulphonate on synchronized cultures of HEp-2 cells. Myers TL, et al. Nature [New Biol] 230:143-4, 31 Mar 71

Binding of radioactively labelled concanavalin A and wheat germ agglutinin to normal and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

virus-transformed cells. Oxanne B, et al. Nature [New Biol] 232:156-60, 4 Aug 71
Morphological transformation of rat embryo cells by the combined action of 3-methylcholanthrene and Rauscher leukaemia virus. Price PJ, et al. Nature [New Biol] 230:144-6, 31 Mar 71
Constant production of type C virus particles in a continuous tissue culture derived from pleural effusion cells of a lymphoma patient. Priori ES, et al. Nature [New Biol] 232:61-2, 14 Jul 71
Increased transformation efficiency of Simian virus 40 in rat embryo cells infected with Rauscher leukaemia virus. Rhim JS, et al. Nature [New Biol] 230:81-3, 17 Mar 71
Effects of cytochalasin B on muscle cells in tissue culture. Sanger JW, et al. Nature [New Biol] 229:121-3, 27 Jan 71
Synchronization of mouse fibroblast LS cells grown in suspension culture. Shall S, et al. Nature [New Biol] 229:59-61, 13 Jan 71
Two types of ribosome in mouse-hamster hybrid cells. Stanness CP, et al. Nature [New Biol] 230:52-4, 10 Mar 71
Activation of host lymphocytes cultured with cancer cells treated with neuraminidase. Watkins E Jr, et al. Nature [New Biol] 231:83-5, 19 May 71
Dreams of totipotency. Nature [New Biol] 230:259, 28 Apr 71
Enigma of satellite DNA variations. Nature [New Biol] 230:226, 21 Apr 71
Biochemical and electron microscope studies of rat embryos in in vitro culture. Krowke R, et al. Naunyn Schmiedebergs Arch Pharmakol 266:382-3, 1970
Effect of progesterone on endometrial cancer in the organ culture. Matoška J. Neoplasma 17:525-33, 1970
In-vitro studies of rat viruses. II. Effects of heat,x-irradiation and carcinogenic drugs. Lum GS. Oncology 24:416-30, 1970
In-vitro studies of rat viruses. I. Effects of long-term culture. Lum GS. Oncology 24:401-15, 1970
Electron microscopic studies on reovirus type 1 in BHK 21 cells. Lecatsas G. Onderstepoort J Vet Res 35:151-7, Jun 68
Electron microscopic study of the formation of bluetongue virus. Lecatsas G. Onderstepoort J Vet Res 35:139-49, Jun 68
Tissue cultures of pulpal elements. Gerstner R. Oral Surg 32:472-86, Sep 71
A minimal medium for the growth of Plasmodium knowlesi in dilution cultures. Trigg PI, et al. Parasitology 62:113-23, Feb 71
Organ culture of normal and inflamed human gingivae. Ishikawa I. Parodontologie 24:140-7, Dec 70
Syngeneic serum and ascitic fluid in enzymatically produced tumour cell suspensions. II. Effects on experimental metastases. Boeryd B, et al. Pathol Eur 6:43-9, 1971
Action of anti-cerebroside sera on myelinated nervous tissue cultures. Dubois-Dalcq M, et al. Pathol Eur 5:331-47, 1970
Syngeneic serum and ascitic fluid in enzymatically produced tumour cell suspensions. I. Preservation of viability and single cell state during short-term storage. Knutson F, et al. Pathol Eur 6:34-42, 1971
Birth, death and net growth of normal, transforming, neoplastic and malignant cell lines. Decrease of death rate in neoplastic alteration. Norrby K, et al. Pathol Eur 6:56-74, 1971
Growth of vesicular somatitis virus in human myeloblasts. Baumberger U. Pathol Microbiol (Basel) 36:161-72, 1970
The effect of unconjugated bilirubin and some bilirubin precursors on cell culture. De Ritis F, et al. Pathol Microbiol (Basel) 37:37-46, 1971
Replication of influenza A virus in suspensions of Ehrlich ascites tumor cells kept in vitro. Results obtained by the fluorescent antibody technique. Haller O. Pathol Microbiol (Basel) 36:1-26, 1970
Morphologic and cytochemic studies on the development of Chlamydia psittaci in a tissue culture of a cold-blooded animal. Shindarov L, et al. Pathol Microbiol (Basel) 34:329-39, 1969
Malignant transformation of cells by viruses. Temin HM. Perspect Biol Med 14:11-26, Autumn 70
Morphology and histochemistry of neurons of the dorsal root ganglia in tissue culture and in embryonal development. Krašnicka Z. Pol Med J 9:1258-97, 1970
Phytohemagglutinin-induced changes in cultured lymphocytes in the course of some lymphoproliferative and reticuloproliferative diseases. I. Blastic transformation. Rotynkowa D, et al. Pol Med J 9:847-54, 1970
The effect of parathyroid extract and dibutyryl cyclic AMP on NAD and NADP levels in embryonic mouse calvarium explants. Herrmann-Erlee MP. Proc K Ned Akad Wet [Biol Med] 74:234-46, 1971
Extraction, separation and identification of the free nucleotides in liver cells cultivated in vitro. Pieck AC. Proc K Ned Akad Wet [Biol Med] 74:303-10, 1971
Comparison of the pool of nucleotides from liver cells under different physiological conditions. Pieck AC, et al. Proc K Ned Akad Wet [Biol Med] 74:311-7, 1971
Specific cytoplasmic glucocorticoid hormone receptors in hepatoma tissue culture cells. Baxter JD, et al. Proc Natl Acad Sci USA 68:932-7, May 71
Use of monkey-mouse hybrid cells for the study of the cellular regualtion of interferon production and action. Cassingena R, et al. Proc Natl Acad Sci USA 68:580-4, Mar 71
pH as a determinant of cellular growth and contact inhibition. Ceccarini C, et al. Proc Natl Acad Sci USA 68:229-33, Jan 71
Expression of H-2 and Moloney leukemia virus-determined cell-surface antigens in synchronized cultures of a mouse cell line. Cikes M, et al. Proc Natl Acad Sci USA 68:566-9, Mar 71
Chromosomal aberrations and mortality of x-irradiated mammalian cells: emphasis on repair. Dewey WC, et al. Proc Natl Acad Sci USA 68:667-71, Mar 71
Behavior of tissue culture cells infected with polyoma virus. Dulbecco R. Proc Natl Acad Sci USA 67:1214-20, Nov 70
Cyclic membrane changes in animal cells: transformed cells permanently display a surface architecture detected in normal cells only during mitosis. Fox TO, et al. Proc Natl Acad Sci USA 68:244-7, Jan 71
Glycosphingolipids of plasma membranes of cultured cells and an enveloped virus (SV5) grown in these cells. Klenk HD, et al. Proc Natl Acad Sci USA 66:57-64, May 70
A new reduced human-mouse somatic cell hybrid containing the human gene for adenine phosphoribosyltransferase. Kusano T, et al. Proc Natl Acad Sci USA 68:82-6, Jan 71
Enhanced immunogenicity of chemically-coated syngeneic tumor cells. Martin WJ, et al. Proc Natl Acad Sci USA 68:469-72, Feb 71
Partial purification by affinity chromatography of tyrosine aminotransferase-synthesizing ribosomes from hepatoma tissue culture cells. Miller JV Jr, et al. Proc Natl Acad Sci USA 68:1014-8, May 71
Serum factor requirements of normal and simian virus 40-transformed 3T3 mouse fibroplasts. Paul D, et al. Proc Natl Acad Sci USA 68:645-52, Mar 71
Induction of colonies of hemoglobin-synthesizing cells by erythropoietin in vitro. Stephenson JR, et al. Proc Natl Acad Sci USA 68:1542-6, Jul 71
Initiation of DNA synthesis in cell cultures by colcemid. Vasiliev JM, et al. Proc Natl Acad Sci USA 68:977-9, May 71
The viral genome in transformed cells. Berg P. Proc R Soc Lond [Biol] 177:65-76, 16 Feb 71
Reversion in cells transformed by tumour viruses. Macpherson IA. Proc R Soc Lond [Biol] 177:41-8, 16 Feb 71
Leukaemia and the living cell. Humble JG. Proc R Soc Med 64:646-50, Jun 71
The use of standardized cell substrates as an alternative to primary animal tissue for vaccine production. Perkins FT. Proc R Soc Med 63:985-6, Oct 70
In vitro demonstration of microbial cellular hypersensitivity in man. Soborg M. Proc R Soc Med 63:903-5, Sep 70
Fibroblast culture and inherited neurological diseases. Stewart G. Proc R Soc Med 64:185-6, Feb 71
The loss of growth vitality of human lymphoid cell lines derived from healthy adults. Chang RS. Proc Soc Exp Biol Med 135:212-5, Nov 70
Mycoplasma pneumoniae in hamster tracheal organ culture: immunofluorescent and electron microscopic studies. Collier AM, et al. Proc Soc Exp Biol Med 136:569-73, Feb 71
Herpesvirus saimiri. 3. Plaque formation under multi agar, methyl cellulose and starch overlays. Daniel MD, et al. Proc Soc Exp Biol Med 136:1192-6, Apr 71
HEPES-buffered media in lymphocyte cultures. Darzynkiewicz Z, et al. Proc Soc Exp Biol Med 136:387-93, Feb 71
Effect of H-1 virus infection on RNA synthesis in NB cells. Fong CK, et al. Proc Soc Exp Biol Med 135:585-8, Dec 70
Studies on a new human cell line (SiHa) derived from carcinoma of uterus. I. Its establishment and morphology. Friedl F, et al. Proc Soc Exp Biol Med 135:543-5, Nov 70
Retention of human properties by a xenografted human colonic tumor, GW-77, propagated in unconditioned hamsters. Goldenberg DM, et al. Proc Soc Exp Biol Med 135:657-9, Dec 70
Biological properties of a syncytia-forming agent isolated from domestic cats (feline syncytia-forming virus). Hackett AJ, et al. Proc Soc Exp Biol Med 135:899-904, Dec 70
Functional failures of cultured human diploid fibroblasts after continued population doublings. Houck JC, et al. Proc Soc Exp Biol Med 137:331-3, May 71
Chromosome lesions induced in a human hematopoietic cell line by infection with Epstein-Barr virus. Huang CC, et al. Proc Soc Exp Biol Med 137:183-90, May 71
Antigenici[illegible] of two established tumorogenic cell lines estimated by the migration inhibition test. Kieler J, et al. Proc Soc Exp Biol Med 137:130-4, May 71
In vitro cellular uptake of benzo(a)pyrene measured by a microfluorometric technique. Kouri RE, et al. Proc Soc Exp Biol Med 136:1038-44, Apr 71
Establishment of syrian hamster fibroblast culture in albumin fortified medium. Matsuya Y, et al. Proc Soc Exp Biol Med 135:893-8, Dec 70
Prolonged application of interferon and "aging" of human diploid fibroblasts. Moehring JM, et al. Proc Soc Exp Biol Med 137:191-5, May 71
Radiation increases the solubility of L cell DNA in a detergent-based lysing system. Moss AJ Jr, et al. Proc Soc Exp Biol Med 135:922-4, Dec 70
Studies of replication of four selected viruses in two cell lines derived from salmonid fish. Nims L, et al. Proc Soc Exp Biol Med 135:8-12, Oct 70
A permanent heteroploid human cell line with type B glucose-6-phosphate dehydrogenase. Peterson WD Jr, et al. Proc Soc Exp Biol Med 136:1187-91, Apr 71
Growth and maintenance of glomerular cells in vitro. Quadracci L, et al. Proc Soc Exp Biol Med 135:947-50, Dec 70
An inhibitor of herpesvirus hominis in extracts of cultures of Burkitt's lymphoma cells. Rabson AS, et al. Proc Soc Exp Biol Med 137:264-7, May 71
The action of leucogenenol on human lymphoblastoid and murine leukemic cells in tissue culture. Rice FA, et al. Proc Soc Exp Biol Med 135:623-8, Dec 70
The resistance of SV40-transformed 3T3 to supertransformation. Scher CD, et al. Proc Soc Exp Biol Med 136:742-6, Mar 71
TRICINE-buffered tissue culture media for control of mycoplasma contaminants. Spendlove RS, et al. Proc Soc Exp Biol Med 137:258-63, May 71
Intracisternal type A particles and properties of a continuous cell line originating from a gerbil fibroma. Tumilowicz JJ, et al. Proc Soc Exp Biol Med 136:1107-10, Apr 71
The industrial potential of plant cell culture. Puhan Z, et al. Progr Ind Microbiol 9:13-39, 1971 (131 ref.)
Adventitious viruses in cell cultures. Smith KO. Progr Med Virol 12:302-36, 1970 (140 ref.)
The induction of chromosomal aberrations in pig kidney cells by far-red light. Gordon SA, et al. Radiat Res 45:274-87, Feb 71
Irradiation of primary human amnion cell cultures: effects on DNA synthesis and progression through the cell cycle. Little JB. Radiat Res 44:674-99, Dec 70
A comparison of unscheduled DNA synthesis, D 0 , cell recovery, and chromosome number in x-irradiated mammalian cell lines. Shaeffer J, et al. Radiat Res 47:426-36, Aug 71
Potentiation of x-ray killing by 5-bromodeoxyuridine in Chinese hamster cells: a reduction in capacity for subiethal damage accumulation. Shipley WU, et al. Radiat Res 47:437-49, Aug 71
Radiation effects on macromolecular synthesis in contact inhibition-sensitive cells synchronized by medium change. Yoshikura H. Radiat Res 47:548-61, Aug 71
Influences of the in vivo and in vitro hormonal environment upon luteinization of granulosa cells in tissue culture. Channing CP. Recent Progr Horm Res 26:589-622, 1970 (49 ref.)
ACTH and the metabolism of adrenal cell cultures. Kowal J. Recent Progr Horm Res 26:623-87, 1970 (49 ref.)
Hormone-secreting and hormone-responsive cell cultures. Sato G, et al. Recent Progr Horm Res 26:539-46, 1970 (29 ref.)
Study of spermatogenesis and steroid metabolism in cultures of mammalian testes. Steinberger E, et al. Recent Progr Horm Res 26:547-88, 1970 (63 ref.)
Multiple hormone interactions in the development of mammary gland in vitro. Topper YJ. Recent Progr Horm Res 26:287-308, 1970 (32 ref.)
The susceptibility of a dog kidney cell-line (MDCK) to canine distemper, infectious canine hepatitis and canine herpes virus. Cornwell HJ, et al. Res Vet Sci 11:580-2, Nov 70
Oxygen uptake by rat jejunum in media devoid of Na+. Jordana R, et al. Rev Esp Fisiol 27:155-61, Jun 71
Action of diphenyl-hydantoin on the growth and respiration of cell in culture. Robineaux R, et al. Rev Eur Etud Clin Biol 15:1066-71, Dec 70
Utilization of in vitro somatic cell cultures for genetic analysis. DeLorenzo RJ. RI Med J 54:359 passim, Jul 71
Glucocorticoid receptors in lymphoma cells in culture: relationship to glucocorticoid killing activity. Baxter JD, et al. Science 171:189-91, 15 Jan 71
Immunoglobulin production by human lymphocytoid lines and clones: absence of genic exclusion. Bloom AD, et al. Science 172:382-3, 23 Apr 71
Functional sequences modulated by morphological transitions in human lymphoid cells grown invitro. Drewinko B, et al. Science 171:185-6, 15 Jan 71
2-Thiophenecarboxylic acid: inhibitor of bone resorption in tissue culture. Fang VS, et al. Science 172:163-5, 9 Apr 71
Spontaneous in vitro neoplastic transformation of adult human prostatic epithelium. Fraley EE, et al. Science 170:540-2, 30 Oct 70
Adenosine 3',5'-monophosphate-dependent protein kinase of cultured mammalian cells. Klein MI, et al. Science 172:863-4, 21 May 71
Nerve trophic function: in vitro assay of effects of nerve tissue on muscle cholinesterase ctivity. Lentz TL. Science 171:187-9, 15 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Biochemical and cytological evidence for triple hybrid cell line formed from fusion of three different cells. Ricciuti F, et al. Science 172:470-2, 30 Apr 71
Developing neuromuscular junctions: first signs of chemical transmission during formation in tissue culture. Robbins N, et al. Science 172:395-8, 23 Apr 71
The use of carbon and carmine particles in cell fusion experiments to distinguish hybrids from parental cells. Buehring GC. Stain Technol 46:162-4, May 71
Immunization of lymphocytes in vitro for immunotherapy of malignant disease. Aust JC, et al. Surg Forum 21:118-20, 1970
Effects of hormones on whole organ cultures of renal cell carcinoma. Card DJ, et al. Surg Forum 21:532-3, 1970
hybridization of cells in solid tumors. Janzen HW, et al. Surg Forum 21:111-2, 1970
Use of tissue culture techniques to evaluate new materials developed to serve as artificial heart linings. Schutz L, et al. Surgery 69:557-62, Apr 71
RNA synthesis in polyoma virus-infected mouse embryo cells in tissue culture. Bowen JM, et al. Tex Rep Biol Med 28:519-29, Winter 70
Rapid isolation of single-cell clones of mammalian cell cultures. Cooper JE. Tex Rep Biol Med 28:29-35, Spring 70
Changes in cellular properties during the long-term serial culture of lung cells of newborn hamster and the transformation into A cells. Matsuya Y, et al. Tohoku J Exp Med 102:37-49, Sep 70
Difference of cellular properties of D cells between two hamster cell lines carried in media fortified with different kinds of albumin. Matsuya Y, et al. Tohoku J Exp Med 102:51-9, Sep 70
Contractile properties of organ-cultured intestinal smooth muscle. Rikimaru A. Tohoku J Exp Med 103:317-29, Apr 71
Toxic action of mimosine. I. Inhibition of mitosis and DNA synthesis of H.Ep-2 cell by mimosine and 3,4-dihydroxypyridine. Tsai WC, et al. Toxicon 9:241-7, Jul 71
Mossy terminals and climbing fiber endings: development in long-term tissue culture of newborn mouse cerebellum. Structural and ultrastructural studies. Chesanow RL, et al. Trans Am Neurol Assoc 95:151-4, 1970
Morphological appearance of Toxoplasma gondii in tissue cultures and tissues of varicose hosts. Abbas AM. Trans R Soc Trop Med Hyg 65:334-6, 1971
Multiplication of Trypanosoma (Schizotrypanum) cruzi in mouse peritoneal macrophages. Behbehani MK. Trans R Soc Trop Med Hyg 65:15, 1971
Infection of Anopheles stephensi and Aedes aegypti cell lines with arboviruses isolated from anopheline mosquitoes. Varma MG, et al. Trans R Soc Trop Med Hyg 65:102-3, 1971
Toxicity of Millipore filter detergent to diffusion chamber cultures. Andrews EJ. Transplantation 10:267-70, Sep 70
In vitro sensitization to transplantation antigens. I. Sensitization of lymphoid cells by allogeneic macrophages. Dyminski JW, et al. Transplantation 11:514-20, Jun 71
Cellular immunity of mice to skin allografts assessed by direct and indirect macrophage inhibition reactions in vitro. Friedman H. Transplantation 11:288-94, Mar 71
HL-A typing of organ cells and cultured lymphoid cells by a microabsorption technique. Juju T, et al. Transplantation 11:471-4, May 71
A modified method for chorioallantoic membrane grafting. Kato Y. Transplantation 10:354-8, Oct 70
HL-A antigen studies with leukocyte cell lines. McDonald JC, et al. Transplantation 10:499-504, Dec 70
Report on the isolation of an agent from cell cultures of kidneys from domestic cats. Low RJ, et al. Vet Rec 88:557-9, 22 May 71
Phospholipid metabolism of herpesvirus-infected nd uninfected rabbit kidney cells. Ben-Porat T, et al. Virology 45:252-64, Jul 71
Characterization of the complementary nuclear RNA of murine sarcoma-leukemia virus. Biswal N, et al. Virology 42:1064-72, Dec 70
The RNAs of infective and incomplete influenza virions grown in MDBK and HeLa cells. Choppin PW, et al. Virology 42:603-10, Nov 70
Host cell macromolecular synthesis in cells containing EBV-induced early antigens, studied by combined immunofluorescence and radioautography. Gergely L, et al. Virology 45:22-9, Jul 71
Appearance of Epstein-Barr virus-associated antigens in infected Raji cells. Gergely L, et al. Virology 45:10-21, Jul 71
Viruses and renal carcinoma of Rana pipiens. IX. The influence of temperature and host cell on replication of frog polyhedral cytoplasmic deoxyribovirus (PCDV). Gravell M, et al. Virology 41:596-602, Aug 70
Infection of mouse fibroblasts by cardioviruses: premature uncoating and its prevention by elevated pH and magnesium chloride. Hall L, et al. Virology 43:152-65, Jan 71
Analysis of a functional change in membrane in the process of cell transformation by Rous sarcoma virus; alteration in the characteristics of sugar transport. Hatanaka M, et al. Virology 41:647-52, Aug 70
The ultrastructure and nature of adenovirus type 2-induced paracrystalline formations. Henry CJ, et al. Virology 44:215-8, Apr 71
Inhibition of interferon synthesis in phospholipase C treated primary chick embryo cells. Kono S, et al. Virology 44:227-38, May 71
Influenza viral RNPs newly synthesized during the latent period of viral growth in MDCK cells. Krug RM. Virology 44:125-36, Apr 71
Synthesis of proteins in cells infected with herpesvirus. VII. Lack of migration of structural viral proteins to the nucleus of arginine-deprived cells. Mark GE, et al. Virology 45:53-60, Jul 71
Growth curve and yield of tobacco mosaic virus in tobacco callus cells. Murakishi HH, et al. Virology 43:62-8, Jan 71
Ultrastructural studies of a herpesvirus of turkeys antigenically related to Marek's disease virus. Nazerian K, et al. Virology 43:442-52, Feb 71
Biochemical studies on adenovirus multiplication. 18. Resolution of early virus-specific RNA species in Ad 2 infected and transformed cells. Parsons JT, et al. Virology 45:154-62, Jul 71
The response of BHK21 cells to infection with type 12 adenovirus. V. Stimulation of cellular RNA synthesis and evidence for transcription of the viral genome. Rafka K Jr, et al. Virology 44:296-306, May 71
Selective lysis of cells transformed by Rous sarcoma virus. Rifkin DB, et al. Virology 45:172-81, Jul 71
Genetic analysis of simian virus 40. II. Comparison of seven dilution end-point titration microassays. Robb JA. Virology 41:761-2, Aug 70
Intracellular structures involved in Sendai virus replication. Robinson WS. Virology 43:90-100, Jan 71
Plaque assay techniques for murine leukemia viruses. Rowe WP, et al. Virology 42:1136-9, Dec 70
Induction of cellular DNA synthesis by supercoiled SV40 DNA in x-irradiated mouse 3T3 cells. Rozenblatt S, et al. Virology 43:300-3, Jan 71
Transformation of green monkey kidney cells by SV40 genome: the establishment of transformed cell lines and the replication of human adenoviruses and SV40 in transformed cells. Shiroki K, et al. Virology 45:163-71, Jul 71
Induction of cell division in medium lacking serum growth factor by SV40. Smith HS, et al. Virology 44:359-70, May 71
Isoelectric components of mouse, human, and rabbit interferons. Stanček D, et al. Virology 41:740-50, Aug 70
A fluorescent antibody technique for the detection of the group-specific antigen of feline leukemia virus in infected tissue-culture cells. Ubertini T, et al. Virology 44:219-22, Apr 71
Persistence of Rous sarcoma virus in transformed nonpermissive cells: relationship between virus induction by association with permissive cells and gs antigen content of transformed cells. Vigier P, et al. Virology 45:309-12, Jul 71
Multiplication of adenovirus in heterokaryocytes produced by fusion of infected permissive and nonpermissive cells. Weber J, et al. Virology 42:540-3, Oct 70
Expression of concanavalin A binding sites in rabbit kidney cells infected with vaccinia virus. Zarling JM, et al. Virology 45:313-6, Jul 71
The response of BHK21 cells to infection with type 12 adenovirus. IV. Activation of DNA-synthesizing apparatus. Zimmerman JE Jr, et al. Virology 42:1147-50, Dec 70
Effects of conditioned medium prepared with denatured cell on the lymphocyte. Kawaguchi T. Wakayama Med Rep 14:49-52, Sep 70
Existence of agglutinating and cytotoxic factor on cultured cells in sera. Kawaguchi T. Wakayama Med Rep 14:1-10, Apr 70
Heterologous transplantation of a tissue culture line of a human melanoma (TC491). Manuelidis EE. Yale J Biol Med 43:307-22, Feb-Apr 71
Continuous cultivation of fibroblast-type cells derived from rabbit embryos. Yang YT, et al. Yonsei Med J 11:10-5, 1970
Delayed hypersensitivity in cattle after vaccination against foot- and mouth-disease: isolation of a sensitizing lipoprotein from BHK 21 cells. Kaaden OR, et al. Z Immunitaetsforsch Exp Klin Immunol 141:441-8, Jun 71
The interaction of SV40 with SV40-transformed and non-transformed monkey kidey cells. Sauer G, et al. Z Krebsforsch 74:40-7, 1970
Effect of acetamidofluorene and activated derivatives on "macromolecular synthesis" in single cell cultures. Süss R, et al. Z Krebsforsch 74:338-43, 1970
The fluorescence of lymphoid cells cultured under various conditions. Mazhuga PM, et al. Z Mikrosk Anat Forsch 81:359-73, 1970
Studies on conditions of interaction between chlamydiae and cultured animal cells. Becerra VM, et al. Zentralbl Bakteriol [Orig] 214:250-8, 1970
Effects of vaccinia virus on the migration of rat peritoneal cells. Klhůfek J, et al. Zentralbl Bakteriol [Orig] 214:9-12, 1970
Morphologic and cytochemic studies on the development of Chlamydia psittaci in tissue culture of a cold-blooded animal at 20 degrees C. Shindarov L, et al. Zentralbl Bakteriol [Orig] 216:9-14, 1971
[Some enzymes and isoenzymes in mammalian cells infected with Teschen disease virus and pseudorabies virus] Chýle M, et al. Cesk Epidemiol Mikrobiol Imunol 20:86-96, Mar 71 (Cze)
[Comparison of 2 different methods permitting to determine the presence of organic substances in deionized water for tissue cultures] Heger J. Cesk Epidemiol Mikrobiol Imunol 20:153-5, May 71 (Cze)
[Cytological findings in primary cultures from intraocular tumors] Vrba M, et al. Cesk Oftalmol 28:272-5, Sep 70 (Cze)
[Cell cultures. New techniques give new possibilities] Rugstad HE. Nord Med 85:485-90, 22 Apr 71 (25 ref.) (Dan)
[Study of osteogenic power of the bone marrow in culture on chicken chorio-allantoid membrane and in the diffusion chamber] Willems G, et al. Acta Orthop Belg 34:907-16, 1968 (Fre)
[Culture of male germinal cells: methods and applications] Dutrillaux B. Ann Genet (Paris) 14:157-9, Jun 71 (Fre)
[Cytogenetic, biochemical and morphological studies of a continuous cell line (Cy-LMC-1)] Grouchy J de, et al. Ann Genet (Paris) 13:157-68, Sep 70 (Fre)
[2 Syrian hamster cell lines transformed by SV40 and non-inducible viruses] Cassingena R, et al. Ann Inst Pasteur (Paris) 117:250-64, Aug 69 (Fre)
[Insect organ culture. Influence of ringed gland and cerebral complex on the differentiation of prepupal ovary of Calliphora erythrocephala] Leloup AM. Annee Biol 9:447-53, Jul-Oct 70 (Fre)
[Post-embryonic development of tracheal system of Diptera Calliphoridea. Value of its study in organ culture] Pihan JC. Annee Biol 9:555-61, Jul-Oct 70 (Fre)
[Recent contributions of organ culture in the study of the determinism of morphogenesis and genital tract cycle in hermaphrodite and gonochoric gasteropod molluscs] Streiff W. Annee Biol 9:417-26, Jul-Oct 70 (Fre)
[Recent applications of cell and organ cultures in invertebrate pthology] Vago C, et al. Annee Biol 9:573-85, Jul-Oct 70 (Fre)
[Immunization of hamsters against tumors induced by the SV40 virus] Ciobanu Z, et al. Arch Roum Pathol Exp Microbiol 29:109-16, Mar-Jun 70 (Fre)
[Pathogenic and immunogenic power of Coxsackie A-10 virus propagated in tissue culture. I. Production of cytopathogenic viral strains cultivated in the presence of hydrocortisone. Determination of pathogenic and immunogenic potency in newborn and weaned mice] Voicoulesco C, et al. Arch Roum Pathol Exp Microbiol 28:177-88, Mar 69 (Fre)
[Influence of hydrocortisone on the aggregation property of KB cells] Chany E, et al. Arch Sci Physiol (Paris) 24:145-55, 1970 (Fre)
[Culture of the aphthous fever virus on surviving bovine lingual epithelium. New technic allowing an increased viral yield: multiculture technic] Dubouciard C, et al. Bull Acad Vet Fr 41:251-8, Jun 68 (Fre)
[Somatic hybridization and cell malignancy] Barski G. Bull Cancer (Paris) 57:185-94, Apr-Jun 70 (Fre)
[Suppression by lysine-vasopressin of the inhibitory effect of chloramphenicol on the growth of KB cell cultures] Bernard-Weil E, et al. Bull Cancer (Paris) 56:331-4, Jul-Sep 69 (Fre)
[Electron microscopy study of the 1st stages of infection of monkey kidney cells (Rhesus resus) by SV40 virus irradiated by ultraviolet or gamma rays] Ferreira-Salgado MA. Bull Cancer (Paris) 55:399-412, Jul-Sep 68 (Fre)
[Tissue culture study of pigmentary epithelium of adult swine] François J, et al. Bull Soc Belge Ophtalmol 156:656-65, 1970 (Fre)
[Comparative action of hydrocortisone and cyclic AMP on the multiplication of cells in culture (strain KB) and their survival after ultraviolet irradiation] Aujard C. C R Acad Sci [D] (Paris) 272:3340-3, 28 Jun 71 (Fre)
[Presence in the normal liver of substances inhibiting the early growth of cancer cell cultures] Chany E, et al. C R Acad Sci [D] (Paris) 272:2644-7, 17 May 71 (Fre)
[Relative persistence of cell differentiation in splenic explants cultivated in contact with a hydrophobic substrate (silicone membrane)] Goube de Laforest P. C R Acad Sci [D] (Paris) 271:2001-3, 30 Nov 70 (Fre)
[The growth of bone marrow cells on fibrin] Hahn GM, et al. C R Acad Sci [D] (Paris) 272:2338-41, 3 May 71 (Fre)
[Action of human testis on rat fetus Muller's duct in organ culture] Josso N. C R Acad Sci [D] (Paris) 271:2149-52, 9 Dec 70 (Fre)
[Inhibition of production and intiviral action of chicken interferon by frog 3 virus (FV3)] Lab M, et al. C R Acad Sci [D] (Paris) 271:1227-30, 5 Oct 70 (Fre)
[Study of attenuated strain of myxoma virus] Maral R. C R Acad Sci [D] (Paris) 271:737-9, 24 Aug 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Demonstration in culture in vitro of the fusion of thymic myoblasts and myoblasts originating in skeletal muscle of rat embryo] Mataigne-Dhoossche F. C R Acad Sci [D] (Paris) 272:3337-9, 28 Jun 71 (Fre)

[Induction of feather germs, in vitro, in the proamniotic epithelium of chicken, associated with the dermis of dorsal skin] Mizuno T. C R Acad Sci [D] (Paris) 271:2027-30, 30 Nov 70 (Fre)

[Comparative study of the inhibitory action of the testis of rabbits and rats on the Müller's ducts of these 2 species, in vitro] Picon R. C R Acad Sci [D] (Paris) 272:98-101, 4 Jan 71 (Fre)

[Action of supra-optimal temperatures on cellular growth in vitro] Pouchelet M, et al. C R Acad Sci [D] (Paris) 272:3333-6, 28 Jun 71 (Fre)

[Organotypical culture of the chick embryo cornea] Reyss-Brion M, et al. C R Acad Sci [D] (Paris) 272:1529-30, 15 Mar 71 (Fre)

[Culture in vitro of cells of primary cancer of human liver] Rioche M, et al. C R Acad Sci [D] (Paris) 271:1148-51, 28 Sep 70 (Fre)

[New studies on the factors allowing growth of 3 human cancerous tumors cultivated organotypically in vitro during long term] Smith J, et al. C R Acad Sci [D] (Paris) 272:1465-8, 8 Mar 71 (Fre)

[Histiocytic cells of pulmonary alveoli in culture: cytochemical analysis of their secretion, infrastructure] Thomas JA, et al. C R Acad Sci [D] (Paris) 271:2011-4, 30 Nov 70 (Fre)

[Cultures of bovine lymphocytes lines parasitized with Theileria annulata] Van den Ende M, et al. C R Acad Sci [D] (Paris) 272:87-9, 4 Jan 71 (Fre)

[Action of DEAE-dextran and of WR 1339 triton on cells in culture infected with adenovirus 5] Chardonnet Y, et al. C R Soc Biol (Paris) 164:1542-8, 1970 (Fre)

[Comparative study of the respiration of BHK-21 cells cultivated in monocell layer and in suspension] Deschaux P, et al. C R Soc Biol (Paris) 164:836-41, 1970 (Fre)

[Significance of the growth phases of a cell population obtained by turbidimetry] Goussard J. C R Soc Biol (Paris) 164:760-3, 1970 (Fre)

[Modifications of cell culture conditions at high altitude] Malaspina L, et al. C R Soc Biol (Paris) 164:1121-4, 1970 (Fre)

[Biosynthesis of glycoproteins. XIV. Role of cytoplasmic sites in embryonic and neoplastic cells suspended in tissue culture] Louisot P, et al. Can J Biochem 48:1062-6, Sep 70 (Fre)

[In vitro culture of embryonic cells of cockroaches (Insecta: Dictyoptera). II. Obtaining cell lines for continuous multiplication] Landureau JC. Exp Cell Res 50:323-7, May 68 (Fre)

[Action of different gas mixtures on the mesenteric artery of the explanted chick embryo in vitro] Cappelli-Gotzos B, et al. Experientia 26:1217-9, 15 Nov 70 (Fre)

[Evolution of the gastric epithelium isolated from its mesenchyme and cultivated in vitro in contact with liver] David D. Experientia 26:1001-3, 26 Sep 70 (Fre)

[Biosynthesis of glycoproteins in monocellular layers and suspended cells in culture] Got R, et al. Expos Annu Biochim Med 30:1-18, 1970 (Fre)

[Biosynthesis of estrogens by chick gonadal rudiments] Weniger JP, et al. Gen Comp Endocrinol 16:391-5, Apr 71 (Fre)

[Combined cultures of myoblasts and isolated neurons] Cieselski-Treska J, et al. J Physiol (Paris) 62:Suppl 2:260, 1970 (Fre)

[Virus sensitivity of cells cultured from normal or pathologic rabbit tissue] Chardonnet Y, et al. Pathol Biol (Paris) 19:65-75, Jan 71 (Fre)

[Value and limitations of the tstudy of metachromasia on fibroblast culture in medical genetics] Guibaud P. Pediatrie 25:807-13, Oct-Nov 70 (30 ref.) (Fre)

[The in vitro culture of adult chondrocytes from connective cartilage of the rabbit] Balmain N, et al. Rev Eur Etud Clin Biol 15:862-72, Oct 70 (Fre)

[Organ culture of tooth germs of the mouse embryo] Heritier M. Rev Stomatoodontol Nord Fr 25:195-206, 1970 (Fre)

[Demonstration and localization of some dehydrogenases in primary liver cell monolayer cultures] Neupert G. Acta Histochem (Jena) 38:149-57, 1970 (Ger)

[In vitro culture of antibody forming spleen cells. I. Plaque size and number of antibody forming cells of a plaque in relation to the cultivation time] Siefert G, et al. Arb Paul Ehrlich Inst 65:36-41, 1970 (Ger)

[Observations on virological work with swine thyroid cell-cultures] Liebermann H, et al. Arch Exp Veterinaermed 24:559-69, 1970 (Ger)

[Applicability of tissue culture antigens to the detection of infectious bronchitis, infectious laryngotracheitis, fowl pox and CELO virus infection by the agar gel precipitation test] Schmidt U. Arch Exp Veterinaermed 23:1095-9, Nov 69 (Ger)

[Demonstration of complement fixing antibodies against Marburg virus in 22 patients using a cell culture antigen] Slenczka W, et al. Arch Gesamte Virusforsch 31:71-80, 1970 (Ger)

[The effect of repeated hyperthermia on the Ehrlich ascites carcinoma of the mouse. Maintenance of resistance and development of a type of cells of decreased malignity] Ardenne M von, et al. Arch Geschwulstforsch 35:369-78, 1970 (Ger)

[In vitro irradiation of embryonic hamster fibroblasts with UV of 280 nm wave length] Buder K, et al. Arch Geschwulstforsch 36:335-8, 1970 (Ger)

[Proposals for the terminology of animal cell and tissue culture in the German language] Erler H, et al. Arch Geschwulstforsch 36:88-98, 1970 (Ger)

[Quantitative differences in nucleic acid and protein metabolism between normal and malignant cell cultures of man and mice] Schwabe K, et al. Arch Geschwulstforsch 34:309-21, 1969 (Ger)

[Experiences with individual cytostatic therapy of malignant tumors following pretherapeutic sensitivity test to cytostatics in vitro (oncobiogram)] Tanneberger S, et al. Arch Geschwulstforsch 35:44-53, 1970 (Ger)

[Studies on the cytotoxic effect of Ehrlich tumor ascites and of a polypeptide isolated there from on tissue cultures] Waller M, et al. Arch Geschwulstforsch 34:128-35, 1969 (Ger)

[Production of interferon of various strains of mumps virus] Replph H. Arch Hyg Bakteriol 154:42-51, Jun 70 (Ger)

[In vivo synchronization of human tissue. Influence of blocking-up time] Ganzer U, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:239-46, 30 Jul 71 (Ger)

[Quantitative evaluation of drug influence on vital and metabolic processes of cell culture in suspensions] Karzel K, et al. Arzneim Forsch 20:1843-9, Dec 70 (Ger)

[Influence of mycoplasma infections in permanent cell cultures on the propagation of enteroviruses and the elimination of mycoplasma infections using antibiotic therapy] Böthig B, et al. Dtsch Gesundheitsw 25:1278-82, 6 Jul 70 (Ger)

[Active substances in delayed hypersensitivity. 1. Macrophage migration inhibition factor] Günther O. Dtsch Med Wochenschr 96:839-40, 7 May 71 (Ger)

[Specific cell functions of cell and tissue cultures. II. Control of melanin synthesis in cell cultures of the Harding-Passey melanoma] Schachtschabel D, et al. Hoppe Seylers Z Physiol Chem 351:1402-10, Nov 70 (Ger)

[In vitro study of the pathogenesis of primary chronic polyarthritis by means of migration inhibition test] Rothenberger W, et al. Klin Wochenschr 48:1308-11, 1 Nov 70 (Ger)

[Changes due to preparation in lethally damaged tissue culture cells] Schäfer D. Mikroskopie 26:26-9, Jun 70 (Ger)

[Causes of toxic effects of swine serum samples on tissue cultures] Kretzschmar C. Monatsh Vet Med 25:640-3, 15 Aug 70 (Ger)

[In vitro studies of fungal growth on psoriatic scales--an experimental study] Pöhler H, et al. Mykosen 11:205-16, 1 Mar 68 (Ger)

[Decomposition of trypsinized nail keratin by Trichophyton mentagrophytes (Robin 1853) Blanchard 1895 in vitro] Potocka-Michajluk U, et al. Mykosen 11:579-82, 1 Aug 68 (Ger)

[Electrophysiological studies on mammalian cell cultures: influence of bicarbonate and pH on the membrane potential] Hülser DF. Pflugers Arch 325:174-87, 1971 (Ger)

[Influence of infection with Coxiella burneti on the cell in vitro and on the multiplication of Rickettsias] Pospíšil VF. Sb Ved Pr Lek Fak Karlovy Univ 13:269-72, 1970 (Ger)

[Cell cultures as a way of testing the toxicity of dental materials] Pfíza V, et al. Schweiz Monatsschr Zahnheilkd 81:75-84, 1971 (Ger)

[Reactions of embryonic chicken fibroblast cultures upon infection with yellow fever virus] Foitzik LJ, et al. Verh Dtsch Ges Pathol 54:501-4, 1970 (Ger)

[Microcinematographic and electron microscopic observations on cell surfaces and cell contacts in the human carcinoma cell culture line HEp 2] Sträuli P, et al. Virchows Arch [Zellpathol] 8:143-61, 1971 (Ger)

[Study of lymphoreticular reactions on human tonsil-cell suspension] Seipel H. Wien Klin Wochenschr 81:185-7, 14 Mar 69 (Ger)

[Effect of various detachment procedures on the permeability and metabolism of permanent tissue culture cells] Averdunk R. Z Gesamte Exp Med 153:51-8, 1970 (Ger)

[The effect of actinomycin D on DNA synthesis in SV 40 infected exponentially growing and stationary cells] Fischer H, et al. Z Krebsforsch 74:390-5, 1970 (Ger)

[Effect of 5-fluorouracil on protein metabolism of tumors and normal tissues in culture] Korfsmeier KH. Z Krebsforsch 74:20-7, 1970 (Ger)

[Determination of xanthine oxidase in tissue cultures, in tissue slices and in tumor cell suspensions] Lettré H, et al. Z Krebsforsch 74:368-75, 1970 (Ger)

[Combination of short time incubation and long time culture in testing human tumor cells with cytostatics] Rabes H, et al. Z Krebsforsch 74:295-303, 1970 (Ger)

[Studies on the reactivity of cell containing and cell free lymphomatosis-virus material in embryonic eggs. Preliminary report] Hille G. Z Med Labortech 11:23-7, 1970 (Ger)

[Structural elements in in vitro cell cultures of central nervous tissue of newborn rats] Lindner G, et al. Z Mikrosk Anat Forsch 83:331-40, 1971 (Ger)

[Effect of the proliferation inhibition factor from the culture of stimulated human lymphocytes on a permanenet cell strain] Averdunk R. Z Naturforsch [B] 26:414-8, May 71 (Ger)

[Use of a stopped-flow technic for short-pulse incubation of microorganisms and cell suspensions] Schell PL. Z Naturforsch [B] 26:174-5, Feb 71 (Ger)

[Hyalocytes in tissue culture] Hilwig I. Z Zellforsch Mikrosk Anat 113:544-52, 1971 (Ger)

[Proliferation kinetics of hepatocytes in primary cultures of liver] Rabes H, et al. Z Zellforsch Mikrosk Anat 112:414-29, 1971 (Ger)

[Effect of the nerve growth factor (NGF) on cell cultures of the trigeminal ganglion] Rieske E. Z Zellforsch Mikrosk Anat 95:546-67, 1969 (Ger)

[Problems of reproduction of the bone tissue in vivo and in vitro] Horn V, et al. Zentralbl Allg Pathol 114:233-8, 1971 (Ger)

[Growth increase of a permanent tissue culture cell line cultivated in a lactalbumin-yeast-medium reached by additional supply with nutritive material] Averdunk R, et al. Zentralbl Bakteriol [Orig] 217:14-22, May 71 (Ger)

[Studies of the course of protein synthesis during the early phase of virus reproduction] Diefenthal W, et al. Zentralbl Bakteriol [Orig] 204:55-79, 1967 (Ger)

[The behavior of genetically purified influenza A2 strains in cell cultures] Gerth HJ. Zentralbl Bakteriol [Orig] 215:26-37, 1970 (Ger)

[The quantitative relation between virus concentration and serum dilution in virus neutralization studied with Teschen virus by means of tube tissue cultures with regard to fundamental and practical problems] Hecke F. Zentralbl Bakteriol [Orig] 203:422-57, 1967 (Ger)

[Studies on the quantitative relationship between virus and antibody in the reactivation of neutralized virus serum mixtures and in irreversible neutralization, as investigated by final dilution of Teschen virus in the tube tissue cultures] Hecke F. Zentralbl Bakteriol [Orig] 214:23-61, 1970 (Ger)

[Some features of immunity against M. tuberculosis of the in vitro cultivated cell. I] Scheller S. Zentralbl Bakteriol [Orig] 203:373-7, 1967 (Ger)

[ISOLATION OF A MYCOPLASMA STRAIN SIMILAR TO Mycoplasma laidlawii from primary calf kidney cell culturs] Schwöbel W, et al. Zentralbl Bakteriol [Orig] 14:495-506, 1970 (Ger)

[Comparative studies of growth behavior and cytopathology of various herpesviruses in different tissue cultures] Tischendorf P, et al. Zentralbl Bakteriol [Orig] 204:1-15, 1967 (Ger)

[The cultivation and testing of corpus carcinoma by means of cell culture against cytostatic agents] Spitzbart H, et al. Zentralbl Gynaekol 92:1005-7, 1 Aug 70 (Ger)

[Studies on the proliferation kinetic of primary human tumour explantates] Tranekjer AS, et al. Zentralbl Gynaekol 92:913-22, 18 Jul 70 (Ger)

[Rabies virus strains in various tissue culture systems] Barth R, et al. Zentralbl Veterinaermed [B] 17:363-80, Mar 70 (Ger)

[Multiplication and spread of hog cholera virus, Strain Munich-1, in PK-15 cell cultures] Danner K, et al. Zentralbl Veterinaermed [B] 17:353-62, Mar 70 (Ger)

[Myxomatosis of rabbits--study of virus modification] Jiran E, et al. Zentralbl Veterinaermed [B] 17:418-28, Mar 70 (Ger)

[In vitro culture of childhood cerebral tumors] Gullotta F, et al. Acta Neurol (Napoli) 25:585-7, Sep-Oct 70 (Ita)

[Comparative study of the chromatin-positivity in vitro and in vivo] Zanoio L, et al. Attual Ostet Ginecol 15:85-8, Mar-Apr 69 (Ita)

[Culture in vitro of differentiated human hepatic cells] Armato U, et al. Boll Soc Ital Biol Sper 46:717-9, 15 Sep 70 (Ita)

[On the cytological aspects of 3 in-vitro stabilized cell lines from fibroma induced in hamsters with polyoma virus] Bistoni F, et al. Boll Soc Ital Biol Sper 45:1358-60, 15 Nov 69 (Ita)

[Tolerance to fluothane (Vister) anesthesia of chick embryo development and tissue cultures in vitro] Valentini AF, et al. Boll Soc Ital Biol Sper 46:397-401, 30 Apr 70 (Ita)

[Diagnostic specificity of various histochemical aspects of tissue cultures in cystic fibrosis of the pancreas] Baccichetti C, et al. Fracastoro 63:351-4, May-Aug 70 (Ita)

[Optic and electronic morphology of tissue cultures in the genetic analysis of pancreatic cystic fibrosis] Tenconi R, et al. Fracastoro 63:347-50, May-Aug 70 (Ita)

[Early results of studies of the ultrastructure of chick embryo pancreas in tissue culture] Anzanel D, et al. Riv Patol Clin Sper 10:179-81, Jul-Dec 69 (Ita)

[Cytogenesis of so-called "lymphoblastoid cell line" possessing EB virus] Ooshi S. J Jap Med Assoc 65:1379-84, 1 Jun 71 (Jap)

[Cyto-immunological study in the field of obstetrics using mixed leukocyte culture] Oama K. J Jap Obstet Gynecol Soc 23:509-16, Jun 71 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Studies on the morphological characteristics and chromosomes of the primary cultured cells derived from the non-neoplastic and neoplastic tissues of the human oral region] Nakagawa S.
J Jap Stomatol Soc 38:73-93, Mar 71 (Jap)
[Mixed culture of lymphocytes by a new improved fixation and staining method--with special reference to reversion to blast forms in the cells of the lymph nodes and thymus] Hayashi M.
Jap J Allergy 19:794-9, Oct 70 (Jap)
[Contamination of the BAT cells with Mycoplasma] Ogata M, et al. Jap J Clin Med 29:750-2, Feb 71 (Jap)
[Formation of electrical coupling between cells in culture; biological aspect] Goshima K.
Protein Nucleic Acid Enzyme (Tokyo) 16:874-87, Sep 71 (77 ref.) (Jap)
[Isolation and fractionation of chromosome from cell culture] Kobayashi S.
Protein Nucleic Acid Enzyme (Tokyo) 16:537-42, Jul 71 (Jap)
[Tumorgenecity and transplantability on cell-lines established from new-born rat cerebellum] Kamijima K. Psychiatr Neurol Jap 72:821-37, Aug 70 (Jap)
[Antineoplastic agents sensitivity test using organ culture. 2] Fujita M, et al.
Saishin Igaku 26:1009-11, May 71 (Jap)
[Effector action of lymphoid cells in mixed cultures of allogenic lymphocytes] Hirano S.
Saishin Igaku 26:1524-33, 10 Aug 71 (Jap)
[New cell strains derived from gingival tissue in vitro] Kasai S, et al. Shikwa Gakuho 70:1609-15, Dec 70 (Jap)
[Morphological and cytological assay of Cercopithecus monkey kidney cells infected with cold and hot mutants of ECHO 9(Hill) virus] Jabloński L, et al.
Med Dosw Mikrobiol 23:57-61, 1971 (Pol)
[Microfilaria of Dirofilaria corynodes (Linstow, 1899) as a new contaminating agent of cell tissue cultures for the production of vaccine against poliomyelitis] Furmaga S, et al. Wiad Parazytol 17:65-73, 1971 (Pol)
[Use of green coconut milk for the culture of animal cells] Schatzmayr HG, et al.
Rev Bras Biol 30:97-100, Apr 70 (Por)
[Morphological aspects of human colostrum cells maintained in vitro] Pacheco G, et al.
Rev Bras Med 27:26-30, Jan 70 (Por)
[Culture of lymphoid cells in immunological investigations] Teodorescu M.
Stud Cercet Inframicrobiol 21:519-40, 1970 (199 ref.) (Rum)
[Effect of anthrax toxin on cells in cultures in vitro] Fedotova IuM. Arkh Patol 32:30-3, 1970 (Rus)
[Effect of cations and excess static pressure on the destruction of cells and cell organelles induced by ultrasonic waves] Bronskaia LM, et al.
Biofizika 15:743-5, Jul-Aug 70 (Rus)
[Temperature dependence of the electric conductivity of cell suspensions] Polivoda BI.
Biofizika 14:506-9, May-Jun 69 (Rus)
[Electric conductivity of suspensions of normal and neoplastic cells] Voefkov VL, et al.
Biofizika 16:657-62, Jul-Aug 71 (Rus)
[Creatine kinase in developing monolayer cultures of chick myoblasts--activity, isoenzymes spectrum, effect of insulin and histones] Lyzlova SN, et al.
Biokhimiia 36:329-34, Mar-Apr 71 (Rus)
[Fractionation of RNA from Newcastle disease virus-infected cells by equilibrium centrifugation in cesium sulfate density gradient] Sito AF, et al.
Biokhimiia 35:1202-6, Nov-Dec 70 (Rus)
[Effect of actinomycin D on the cytotoxic activity of immune lymphocytes in tissue culture] Brondz BD.
Biull Eksp Biol Med 68:68-71, Jun 69 (Rus)
[Effect of herpes simplex virus (strain L2k5) and its mutants on the mitotic regime of cell cultures] Germanov AB, et al.
Biull Eksp Biol Med 67:54-6, 1969 (Rus)
[Organ cultures of embryonal tissue of mouse kidney under the transplacental effect of 3,3 1 dichlorbenzidine and ortholidine] Golub' NI.
Biull Eksp Biol Med 68:83-7, Nov 69 (Rus)
[Realization of the protective effect of antitoxin in a cell culture in vitro] Kaulen DR, et al.
Biull Eksp Biol Med 72:61-4, Jul 71 (Rus)
[Determination of the proliferative pool and duration of the mitotic cycle in colonies of fibroblast-like cells in monolayer cultures of bone marrow] Keflis-Borok IV, et al. Biull Eksp Biol Med 72:99-102, Jul 71 (Rus)
[The effect of cell and tissue extracts on the growth of culture cells] Kochergina NI, et al.
Biull Eksp Biol Med 71:86-8, Mar 71 (Rus)
[Colony-forming cells in organ cultures of embryonal liver] Latsinik NV, et al.
Biull Eksp Biol Med 68:88-90, Jun 69 (Rus)
[Peculiarities of differentiation of immunocompetent cells in the in vitro cultivation of lymphoid tissue] Lebedev KA, et al.
Biull Eksp Biol Med 68:91-4, Oct 69 (Rus)
[Strain of hamster embryonal fibroblasts transformed by Rous virus in vitro] Martirosian DM, et al.
Biull Eksp Biol Med 71:95-8, May 71 (Rus)
[Attempts to use the interference phenomenon for detecting several mice leukemia viruses in tissue culture] Merekalova ZI.
Biull Eksp Biol Med 68:74-6, Jun 69 (Rus)
[Nature of mumps virus intracellular inclusions] Nasibov MN, et al.
Biull Eksp Biol Med 67:51-3, 1969 (Rus)
[Effect of high-molecular component of the nutrient medium on the growth of ascitic tumor NK-Ly cells] Nefedov VP. Biull Eksp Biol Med 66:83-5, Sep 68 (Rus)
[Effect of extreme conditions on the growth of cultured kidney tissue] Pashchenko VP.
Biull Eksp Biol Med 70:94-8, Aug 70 (Rus)
[Restoration of cell division in tissue cultures following cooling] Portugalov VV, et al.
Biull Eksp Biol Med 66:90-2, Sep 68 (Rus)
[Changes in pharyngeal epithelium when cultivated in the organism] Semchenko IuP.
Biull Eksp Biol Med 66:97-100, 1968 (Rus)
[Sensitivity of various tissue cultures to the action of Cl. sordellii toxin] Shamraeva SA.
Biull Eksp Biol Med 68:64-5, Jun 69 (Rus)
[The sensitivity of various tissue culture types to the action of Cl. oedematiens toxin] Shamraeva SA, et al.
Biull Eksp Biol Med 65:91-3, May 68 (Rus)
[Effect of 8-mercaptoadenine on cellular metabolism] Smertenko II, et al.
Biull Eksp Biol Med 70:100-4, Jul 70 (Rus)
[The transplacental effect of benzopyrene and pyrene on organ cultures of embryonic mouse kidneys] Sorokina IuD.
Biull Eksp Biol Med 71:72-6, Mar 71 (Rus)
[Prolongation of in vitro life of cell cultures of guinea pig embryo lung under conditions of chronic infection by influenza AO-WSN virus] Vialushkina SD, et al.
Biull Eksp Biol Med 70:88-91, Sep 70 (Rus)
[Electrophoretic separation of basic proteins in cells infected by different viruses] Berezina ON, et al.
Dokl Akad Nauk SSSR 190:1225-8, 11 Feb 70 (Rus)
[Analysis of the adhesive period of chromosomes in mammalian cells in vitro in relation to the mechanism of structural mutation formation] Demint IuS, et al.
Dokl Akad Nauk SSSR 195:1204-6, 1970 (Rus)
[Short-term cultivation of the ectoderm of the sea anemone (Actinia equina L.) in diffusion chambers] Evgen'eva TP.
Dokl Akad Nauk SSSR 196:463-4, 11 Jan 71 (Rus)
[Variation in the lethal effect of irradiation using chemical compounds under conditions of cell cultivation outside the organism] Gotlib VIa, et al.
Dokl Akad Nauk SSSR 192:1367-70, Jun 70 (Rus)
[Inhibition of the formation of mature poliovirus particles under hypotonic conditions] Lipskaia GIu, et al.
Dokl Akad Nauk SSSR 189:199-202, Nov-Dec 69 (Rus)
[Chromosome aberrations and radiation-induced death of somatic mammalian cells] Shapiro NI, et al.
Dokl Akad Nauk SSSR 193:207-10, Jul-Aug 70 (Rus)
[DNA synthesis in mouse embryonic fibroblast-like cells stimulated in vitro by factors of different nature] Vasil'ev IuM, et al.
Dokl Akad Nauk SSSR 187:913-5, Aug 69 (Rus)
[Initiation of DNA synthesis in fibroblast-like mouse embryonal cell cultures under the action of substances disturbing microtubule formation] Vasil'ev IuM, et al.
Dokl Akad Nauk SSSR 197:1425-8, 21 Apr 71 (Rus)
[Reparation of some genetic injuries in RNA-containing virus in relation to cell type] Zasukhina GD, et al.
Dokl Akad Nauk SSSR 197:457-9, 11 Mar 71 (Rus)
[Formation of pseudovirus particles in a homogenate from uninfected cells] Zhdanov VM, et al.
Dokl Akad Nauk SSSR 189:882-4, 1 Dec 69 (Rus)
[Synthesis of virus-specific proteins in cells infected by the Venezuelan equine encephalomyelitis virus] Zhdanov VM, et al.
Dokl Akad Nauk SSSR 187:667-9, 21 Jun 69 (Rus)
[Effect of culture conditions on the potentiation of lymph node cells] Mazhuga PM, et al.
Izv Akad Nauk SSSR [Biol] 5:686-97, Sep-Oct 70 (Rus)
[Cultivation of bone marrow in vitro by perfusion of an isolated organ] Nefedov VP, et al.
Izv Akad Nauk SSSR [Biol] 2:179-91, Mar-Apr 71 (Rus)
[The possibilities of using cell lines CaVe and CaOv for the cultivation of adenoviruses] Kolmykova VN, et al.
Lab Delo 11:676-9, 1970 (Rus)
[Micromethod for obtaining leukocyte cultures from peripheral blood] Stopchanskaia AG, et al.
Lab Delo 8:463-6, 1970 (Rus)
[Multiplication of parasitic protozoa and microfilaria in an arthropod tissue culture] Timofeev BA.
Med Parazitol (Mosk) 38:489-91, Jul-Aug 69 (Rus)
[Transplacental effect of blastomogenic substances on organ cultures] Shabad LM.
Patol Fiziol Eksp Ter 14:28-32, Mar-Apr 70 (Rus)
[Prolonged culturing of bone marrow cells in monolayer] Dement'eva VV, et al.
Probl Gematol Pereliv Krovi 16:40-2, Jan 71 (Rus)
[Comparative study of the erythropoietic activity of "protein" on polycythemic mice and the hemoculture method] From AA, et al.
Probl Gematol Pereliv Krovi 16:49-51, Jan 71 (Rus)
[Erythropoietin-sensitivity of hematopoietic cells of embryonic liver in culture in vitro] Latsinik NV, et al.
Probl Gematol Pereliv Krovi 15:31-6, Jun 70 (Rus)
[Growth, survival and ascorbic acid levels in normal and tumor tissue cultures of tobacco after gamma-irradiation] Rénnért A, et al.
Radiobiologia 10:580-3, Jul-Aug 70 (Rus)
[Determination of the cytoxic action of some antiseptic agents and filling materials in cell culture] Chuprunova IN.
Stomatologiia (Mosk) 50:20-3, May-Jun 71 (Rus)
[Diagnostic value of cyto-histological study of liver biopsy in combination with in vitro tissue culture] Loginov AS, et al. Ter Arkh 42:44-50, Apr 70 (Rus)
[Use of tissue culture for studying the agent of Asian tick-borne rickettsiosis] Golovanova AK.
Tr Leningr Inst Epidemiol Mikrobiol 37:100-6, 1970 (Rus)
[Synthesis of ribonucleic acid and protein in cultured animal and human cells under suboptimal temperature conditions] Ageeva ON, et al.
Tsitologiia 12:1287-96, Oct 70 (Rus)
[Method of stationary suspension cultivation of established cell lines previously maintained in monolayer] Beniumovich MS, et al.
Tsitologiia 13:536-40, Apr 71 (Rus)
[Cytophotometric study of the intensity of protein accumulation in cells infected with type 1 adenovirus] Diachenko NS, et al. Tsitologiia 13:252-8, Feb 71 (Rus)
[Cloning of tumor tissue using diffusion chambers] Evgen'eva TP. Tsitologiia 12:1067-9, Aug 70 (Rus)
[Fibroblast-like cells in cultures of guinea pig hematopoietic tissue] Fridenshtein AIa, et al.
Tsitologiia 12:1147-55, Sep 70 (Rus)
[Obtainment and characteristics of a continuous cell line from the C3H mouse rhabdomyosarcoma] Fridlianskaia II, et al.
Tsitologiia 12:798-803, 1970 (Rus)
[Rate of C14- and H3-uridine incorporation into cells at different stages of the mitotic cycle] Gubenko IS, et al. Tsitologiia 13:702-10, 1971 (Rus)
[Study of lysosomes of cell cultures infected with tick-borne encephalitis virus] Izakova LP, et al.
Tsitologiia 12:1328-33, Oct 70 (Rus)
[Some problems of comparative cytopathology in virus infections in vitro and in vivo] Karmysheva VIa, et al.
Tsitologiia 13:523-9, May 71 (Rus)
[Dynamics of changes in the ultrastructure of tissue culture cells during the cell cycle] Kerkis AIu, et al.
Tsitologiia 13:525-9, Apr 71 (Rus)
[Character of the growth of nerve tissue in culture] Kokina NN, et al. Tsitologiia 12:894-900, Jul 70 (Rus)
[Effect of nucleases on tissue culture growth and on the development of chick embryos] Lisovaia SP, et al.
Tsitologiia 13:236-40, Feb 71 (Rus)
[DNA content in cell nuclei of the rudiments of some chick embryo tissues and the effect on it of heterogenic DNA] Magakian IuA, et al.
Tsitologiia 11:335-47, 1969 (Rus)
[Migration of newly synthesized RNA during mitosis. II. Chinese hamster fibroblasts] Neifakh AA, et al.
Tsitologiia 13:491-8, Apr 71 (Rus)
[Study of the growth of spinal ganglion nerve fibers in culture using a perfusion chamber and microcinematography] Olenev SN, et al.
Tsitologiia 12:810-2, 1970 (Rus)
[Kinetics of antibody producing cells in vitro] Pinegin BV, et al. Tsitologiia 12:1307-14, Oct 70 (Rus)
[Obtaining isolated metaphase chromosomes from Chinese hamster cells growing in vitro] Polunovskiĭ VA, et al. Tsitologiia 13:263-4, Feb 71 (Rus)
[Penetration of isolated metaphase chromosomes into Chinese hamster tissue culture cells] Polunovskiĭ VA, et al. Tsitologiia 13:382-4, Mar 71 (Rus)
[Diplochromosomes in endoreduplication] Poroshenko GG, et al. Tsitologiia 12:1575-8, Dec 70 (Rus)
[Reactions of normal fibroblast-like cells and L-strin fibroblasts to the geometric configuration of the substrate] Rovenskiĭ IuA, et al.
Tsitologiia 13:574-83, May 71 (Rus)
[Radioautographic study of chromosome reduplication in mammalian cells] Shapiro IM, et al.
Tsitologiia 13:693-701, 1971 (Rus)
[Relation of the distribution of induced breaks in human chromosomes to the mitotic cycle stage and to the characteristics of the mutagens] Stolbova NG.
Tsitologiia 12:1550-61, Dec 70 (Rus)
[Intercellular exchange of information during immunogenesis. I. Effect of RNA from the spleen of immunized rats on rat lymphosarcoma cells] Tsikarishvili TN, et al.
Tsitologiia 11:389-92, 1969 (Rus)
[Radioautographic study of the distribution of tritium-labelled carcinogenic hydrocarbons in cultures of mouse embryonic cells] Vasil'ev IuM.
Tsitologiia 11:328-34, 1969 (Rus)
[Functional morphology of mammalian chromosomes in cultured cells. 3. X-chromosomes in short-term diploid and long-term aneuploid Chinese hamster cell cultures] Zakharov AF.
Tsitologiia 12:1361-8, 1970 (Rus)
[Mutability of the functional morphology of the X-chromosomes in long-term cultures of Chinese hamster cells] Zakharov AF, et al.
Tsitologiia 13:745-51, 1971 (Rus)
[Functional morphology of the chromosomes of cultivated mammalian cells. IV. Nucleolus-organizing region of the X-chromosomes of the Chinese hamster

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in long-term cultures of somatic cells] Zakharov AF, et al. Tsitologiia 12:1489-96, Dec 70 (Rus)
[Some problems of differentiation and adaptation in cell cultures] Zalkind SIa, et al. Tsitologiia 13:547-63, May 71 (114 ref.) (Rus)
[Changes in the electrophysiologic characteristics of nerve tissue cells in the process of differentiation under culture conditions] Zhukovskaia NM, et al. Tsitologiia 12:1116-25, Sep 70 (Rus)
[Changes of membrane potential of different types of cell in nerve tissue culture in relation to the ionic composition of the medium. I. Effect of potassium ions on membrane potential. Intracellular concentration of potassium ions] Zhukovskaia NM, et al. Tsitologiia 12:1248-54, Oct 70 (Rus)
[Problem of differentiation and determination of cells cultivated outside the organism] Zalkind SIa, et al. Usp Sovrem Biol 70:85-105, Jul-Aug 70 (136 ref.) (Rus)
[Hematopoietic tissue in organ and monolayer cultures outside the organism] Fridenshtein AIa, et al. Vestn Akad Med Nauk SSSR 25:86-96, 1970 (Rus)
[Effect of Mycoplasma on diploid cells] Sokova VA, et al. Veterinariia 7:40-3, Jul 70 (Rus)
[The ultrastructure of human diploid cells transformed by the blood of leukemic patients] Andzhaparidze OG, et al. Vopr Virusol 15:584-9, Sep-Oct 70 (Rus)
[The transforming effect of blood from leukemic patients on a culture of human diploid cells] Andzhaparidze OG, et al. Vopr Virusol 15:579-84, Sep-Oct 70 (Rus)
[Use of the virus-deproteinizing capacity of cells for production of viral ribonucleoprotein] Bukrinskaia AG, et al. Vopr Virusol 15:237-8, Mar-Apr 70 (Rus)
[New antigens induced by Sendai virus in cells of different species] Charchoglian RA, et al. Vopr Virusol 15:208-12, Mar-Apr 70 (Rus)
[Multiplication of Coxsackie group A viruses in diploid human embryo lung cells] Fokina GI, et al. Vopr Virusol 15:346-50, May-Jun 70 (Rus)
[Chronic infection of the RES line of transplantable embryonic pig cells caused by a variant of influenza AO-WSN virus. 1. A variant of influenza WSN-RES-16 virus and culture RES-WSN "recovering" from chronic infection] Gavrilov VI, et al. Vopr Virusol 15:605-10, Sep-Oct 70 (Rus)
[Chronic infection of transplantable RES cell cultures by Ghota arbovirus] Gavrilov VI, et al. Vopr Virusol 15:270-4, May-Jun 70 (Rus)
[Use of human thyroid gland cell cultures for virologic studies] Levina DS, et al. Vopr Virusol 15:457-60, Jul-Aug 70 (Rus)
[The relation between viral antigens and host species] Posevaia TA, et al. Vopr Virusol 15:283-7, May-Jun 70 (Rus)
[Stimulation of interferon induction in producing cells by pretreatment with interferon] Solov'ev VD, et al. Vopr Virusol 15:150-5, Mar-Apr 70 (Rus)
[Antigen preparation from R. tsutsugamushi in tissue culture] Diufalleva RG, et al. Zh Mikrobiol Epidemiol Immunobiol 47:101-3, Jul 70 (Rus)
[Cytopathic action of Rickettsia (review)] Gudima OS. Zh Mikrobiol Epidemiol Immunobiol 48:39-44, Apr 71 (49 ref.) (Rus)
[Comparative study of multiplication of vaccine (E) and virulent strains of Rickettsia prowazekii in cell cultures and their ultrafine structure] Ignatovich VF, et al. Zh Mikrobiol Epidemiol Immunobiol 47:41-6, Oct 70 (Rus)
[Effect of Grigor'ev-Shiga dysentery exotoxin on cellular culture] Kipenskaia GM. Zh Mikrobiol Epidemiol Immunobiol 48:72-5, Jun 71 (Rus)
[Phagocytosis of S. typhi in tissue culture] Krotkova MR. Zh Mikrobiol Epidemiol Immunobiol 48:22-6, Jun 71 (Rus)
[Kinetics of antibody-forming cells in a culture of lymphoid cells of the spleen] Pinegin BV, et al. Zh Mikrobiol Epidemiol Immunobiol 47:68-72, Apr 70 (Rus)
[Interrelations between the infective agents of tularemia and listeriosis in vitro and in vivo] Pomanskaia LA. Zh Mikrobiol Epidemiol Immunobiol 47:36-42, Apr 70 (Rus)
[Results of combined infection of a tissue culture with influenza virus A2 and staphylococcus] Tokar' RG, et al. Zh Mikrobiol Epidemiol Immunobiol 48:100-3, 1971 (Rus)
[Identification of Cl. perfringens types B, C, and F in tissue culture] Zemlianitskaia EP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:89-93, Mar 71 (Rus)
[In vitro studies of delayed hypersensitivity in man. I. Specific cell migration inhibition] Patrucco A, et al. Medicina (B Aires) 31:35-8, Mar-Apr 71 (Spa)
[In vitro studies of delayed hypersensitivity in man. II. Nonspecific cell migration inhibition] Patrucco A, et al. Medicina (B Aires) 31:39-92, Mar-Apr 71 (Spa)
[Establishment of 2 swine kidney cell strains] Gil-Fernández C, et al. Microbiol Esp 23:23-46, Jan-Mar 70 (Spa)
[Sensitivity of the Ferran strain of swine kidney cells to infection by viruses] Gil-Fernández C. Microbiol Esp 23:203-19, Jul-Sep 70 (Spa)
[A practical method for the in vitro detection of delayed hypersensitivity] Braun M, et al. Prensa Med Argent 58:624-8, 21 May 71 (Spa)
[Effect of adenoviral infection on the protein content in KB cells] D'iachenko NS, et al. Mikrobiol Zh 33:176-83, Mar-Apr 71 (Ukr)
[Virological study of insect tissue cultures] Miloserdova VD. Mikrobiol Zh 31:544-8, Sep-Oct 69 (43 ref.) (Ukr)
[Dependence of the S-marker poliomyelitis virus (strain LSc 2ab) on the strain of the tissue culture] Opol'skiĭ AF. Mikrobiol Zh 31:536-7, Sep-Oct 69 (Ukr)
[Plaque formation by poliomyelitis virus (str. LSc 2 ab) on monolayers of AMK and Dt-6 cells] Opol'skiĭ AF. Mikrobiol Zh 31:679-80, Nov-Dec 69 (Ukr)
[Resistance to adenoviruses of cell cultures grown from tonsil tissue] Vikhot NE, et al. Mikrobiol Zh 33:184-8, Mar-Apr 71 (Ukr)
[Plant viruses in tissue cultures] Zhuk IP, et al. Mikrobiol Zh 31:548-53, Sep-Oct 69 (91 ref.) (Ukr)
[Study of the ultrastructure of cells of the 37 RC line] Pezzi R. Riv Biol 63:411-27, Jul-Dec 70 (Mul)

INSTRUMENTATION

The Dome fermentor: a versatile unit suitable for batch, continuous, and synchronous cultivation of microorganisms or tissue cells. Dawson PS, et al. Can J Microbiol 17:229-33, Feb 71
An improved holder for transfer of brain slices during in vitro incubation. Arnfred T, et al. Exp Brain Res 11:373-5, 26 Nov 70
Epon-embedded cell monolayers. Separating partially polymerized blocks from glass surfaces. Branson SH. Exp Cell Res 65:253-6, Mar 71
A chemostat for growing higher plant cells in single cell suspension cultures. Kurz WG. Exp Cell Res 64:476-9, Feb 71
Improved filter-well apparatus for metabolic studies in vitro. Dickson JA. Lab Pract 19:912-4, Sep 70
Parallel air supply for carbon dioxide incubators. Ritter DG, et al. Lab Pract 20:498 passim, Jun 71
Standardization of tests for toxicity for some materials used in tissue cultures laboratory. Stárek M, et al. Progr Immunobiol Stand 4:450-2, 1970
A chamber for organotypic culture; adapted for growing large volumes of tissue. Boyd WH. Stain Technol 46:85-7, Mar 71
Closed circuit tv monitor and culture chamber incubator for tissue culture studies. Marty WG, et al. Trans Am Microsc Soc 90:84-6, Jan 71
[A combined suction dispenser device for medium change in tissue culture] Jentzsch KD, et al. Z Med Labortech 11:144-7, 1970 (Ger)
[Technic of work with the perfusion chamber] Olenov SN. Tsitologiia 11:393-5, 1969 (Rus)
[Mechanization and automation of cell and virus cultivation] Mishin LN. Vestn Akad Med Nauk SSSR 26:74-8, 1971 (Rus)

STANDARDS

Standardization of human diploid fibroblast cultivation: trypsinization procedure. Litwin J. Appl Microbiol 21:169-74, Feb 71
Standardization of human diploid cell cultivation. Litwin J. Appl Microbiol 20:899-906, Dec 70
Standardization of human diploid fibroblast cultivation: trypsinization procedure. Litwin J. Appl Microbiol 21:169-74, Feb 71
Standardization of human diploid fibroblast cultivation: centrifugation procedure. Litwin J. Appl Microbiol 21:575-9, Apr 71

TISSUE DONORS (M)

Relation of donor age to success in penetrating keratoplasty. Forster RK, et al. Arch Ophthalmol 85:42-7, Jan 71
Human corneal donor material. A method of examination before keratoplasty. Hoefle FB, et al. Arch Ophthalmol 84:741-4, Dec 70
Kidney transplant donors. Estimate of availability by autopsy survey. Roloff JS, et al. Arch Surg 103:359-62, Sep 71
Renal transplantation: criteria for selection of donors. Zukoshi CF, et al. Ariz Med 28:300-1, Apr 71
Organ donation--valid consent. Selwyn-Clarke S. Br Med J 3:249, 24 Jul 71
A kidney from the family. Br Med J 3:302, 24 Jul 71
Donor eyes and eye banks. King JH Jr. Int Ophthalmol Clin 10:313-28, Summer 70
Criteria for determining that death has occurred. The Philadelphia protocol. Shapiro HA. J Forensic Med 16:1-3, 1969
Tissue transplantation-the universal donor and blood group antibodies. Camp FR Jr, et al. J Forensic Sci 15:500-6, Oct 70
Urinary tract infection and renal homotransplantation. IV. The bladder defense mechanisms involved in bacteriuria in donors. Hinman F Jr, et al. J Urol 104:518-22, Oct 70
Family tension in the search for a kidney donor. Simmons RG, et al. JAMA 215:909-12, 8 Feb 71
How about your kidneys, doctor? JAMA 214:1109-10, 9 Nov 70
Value of tissue-typing in cadaveric renal transplantation. Harris R, et al. Lancet 1:544-5, 13 Mar 71
The donor heart: brain death and pathological changes in the heart. Heggtveit HA. Laval Med 41:178-9, Feb 70
Anesthetic management in nine heart transplantations. Paiement B, et al. Laval Med 41:186-90, Feb 70
Prospective organ donors. Wood TJ. Med J Aust 1:1134-7, 22 May 71
Immunosuppressive effects of soluble cell membrane fractions, donor blood and serum on renal allograft survival. Caine RY, et al. Minerva Chir 26:703-8, 15 Jul 71
Application of the uniform anatomical gift act in Missouri. Allen WC, et al. Mo Med 68:677-81, Sep 71
The nature of the kidney donor. Abram HS, et al. N Engl J Med 285:56, 1 Jul 71
Need for cornea donations. Boruchoff SA. N Engl J Med 284:858-9, 15 Apr 71
Altruism in disrepute. Medical versus public attitudes toward the living organ donor. Feliner CH, et al. N Engl J Med 284:582-5, 18 Mar 71
Transplantation of a kidney from a patient with idiopathic hypercalciuria. Finn WF, et al. N Engl J Med 283:1450-1, 24 Dec 70
Whole-body donations for anatomic study. Ladimer I. N Engl J Med 284:1160, 20 May 71
Serotyping and genetic analysis in the selection of related renal-allograft donors. Wonham VA, et al. N Engl J Med 284:509-13, 11 Mar 71
Altruism rediscovered. N Engl J Med 284:612-3, 18 Mar 71
Viable organ procurement. I. Freedman FB. Nebr State Med J 56:152-4, Apr 71
Selection of kidney donors. Siciński A. Pol Med J 10:439-42, 1971
Thoughts at random. A running commentary. Robb DF. Practitioner 205:702-4, Nov 70
Prolongation of allograft survival by donor irradiation. Kyger ER 3d, et al. Surg Forum 21:288-9, 1970
Size disparity in dogs between donar and recipient cardiac transplantation. Thomas KE, et al. Surg Forum 21:183-5, 1970
Distribution, dose dependency, and effect of donor presensitization on liver infiltration in the graft-versus-host reaction. Bain GO. Transplantation 9:383-94, Apr 70
A declaration of the International Society of Transplantation. Hamburger J, et al. Transplantation 12:77-9, Jul 71
Cadaveric kidney transplantation in a patient with donor-specific antileukocyte cytotoxic antibodies. Report of a case. Patel R, et al. Transplantation 12:88-91, Jul 71
The supporting role of community hospitals in a kidney transplant program. Kauffman HM, et al. Wis Med J 69:223-6, Oct 70
[The admissibility of organ extirpation in the "dying"] Schuurmans Stekhoven W. Ned Tijdschr Geneeskd 115:340-1, 20 Feb 71 (Dut)
[The law of choice of an organ donor for transplantation] Dausset J. Arch Mal Coeur 62:841-7, Jun 69 (Fre)
[The moral problems of the transplantation of organs] Dormont J. Bull Acad Natl Med (Paris) 154:623-9, 6 Oct 70 (Fre)
[Methods governing the choice of the donor in organ transplantations] Betuel H. Minerva Chir 26:693-702, 15 Jul 71 (Fre)
[Brain death and homotransplants: criteria utilized to establish rapidly the diagnosis of final coma] Waltregny A, et al. Rev Neurol (Paris) 122:406-11, Jun 70 (Fre)
[Death and transplantation of organs. The deontological problems of transplantation] Barni M, et al. Zacchia 7:53-100, Jan-Mar 71 (Fre)
[Death and transplantation of organs. Ascertainment of death] Gerin C, et al. Zacchia 7:1-52, Jan-Mar 71 (Fre)
[Role of intensive treatment in preparation of the donor for cadaver kidney transplantation] Krenn J, et al. Anaesthesist 19:477-9, Dec 70 (Ger)
[Principle and technic of cellular histocompatibility testing] Ramseier H. Bull Schweiz Akad Med Wiss 26:91-100, Jun 70 (Ger)
[The problem of living and dead kidney donors] Senning A. Bull Schweiz Akad Med Wiss 26:8-12, Jun 70 (Ger)
[Organ removal and transplantation] Gütgemann A, et al. Dtsch Med Wochenschr 96:609-14, 9 Apr 71 (Ger)
[The selection of donors and recipients in organ transplantation] Menzel GR, et al. Z Gesamte Inn Med 25:625-8, 15 Jul 70 (Ger)
[Selection of kidney donor] Siciński A. Pol Arch Med Wewn 45:291-4, 1970 (Pol)
[Obtaining kidneys from cadavers] Szostek M, et al. Pol Arch Med Wewn 45:303-7, 1970 (Pol)
[Mycotic mixed infection by opportunistic fungi, in a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

case of renal transplantation from a cadaveric donor] Campos JC, et al.
Rev Inst Med Trop Sao Paulo 12:415-22, Nov-Dec 70 (Por)
[Factors affecting the function of transplanted cadaveric kidneys] Shumakov VI, et al.
Vestn Khir 106:82-7, Jan 71 (Rus)
[Homotransplantation of conjunctiva and cornea obtained from fetuses and dead newborn infants in patients with recurrent pterygium and partial symblepharon] Ovsepian TL.
Vestn Oftalmol 2:28-30, 1971 (Rus)
[Organ transplantation] Quijano M.
Gac Med Mex 100:441-55, May 70 (Spa)
[Agonal phase of the patient recommended as donor for heart transplantation] Lojka J.
Rozhl Chir 49:587-8, Nov 70 (Slo)

TISSUE EXTRACTS (D12)

see also related
ORGANOTHERAPY (E2)

A histological dose-response effect in guinea-pigs injected with graded amounts of basic protein and peptides from human brain. Robson GS, et al.
Br J Exp Pathol 52:338-44, Aug 71
Prolonged hypoglycemic effect of adipose tissue extracts (ATE) in nondiabetic and diabetic mice. Antoniades HN, et al. Endocrinology 88:1222-9, May 71
Cell-free transmission of murine myeloid leukaemia. Tanaka T, et al. Eur J Cancer 6:329-33, Aug 70
Experimental myocarditis: in vitro and in vivo studies of lymphocytes sensitized to heart extracts and group A streptococci. Friedman I, et al.
Immunology 20:225-32, Feb 71
Cell-mediated immune responses to heterologous and homologous thyroglobulin in guinea-pigs immunized with heterologous thyroid extracts. Romagnani S, et al. Immunology 19:599-612, Oct 70
Trapping of blood lymphocytes on glass bead columns coated by autologous thymus and lymph node extract. Linna TJ, et al.
Int Arch Allergy Appl Immunol 40:898-904, 1971
Preparation of a pure glomerular fraction: a modification. Skoglund RW Jr.
Invest Urol 8:284-5, Nov 70
Observations on the lipolytic and melanotropic activities of the pineal gland. Rudman D, et al.
J Biol Chem 246:324-30, 25 Jan 71
Antigen-specific synergism in the immune response of irradiated mice given marrow cells and peritoneal cavity cells or extracts. Kennedy JC, et al.
J Exp Med 132:353-67, 1 Aug 70
Failure of passive transfer of homograft sensitivity in mice by means of extracts of sensitised lymphoid cells. Warren J, et al. J Med Microbiol 2:279-85, Aug 69
The effect of cornin on DNA synthesis in mammalian cells: on the chemical properties of cornin extracted from muscle and cornea. Chikata Y.
J Physiol Soc Jap 33:266-7, Apr 71
Adaptor for collecting the top phase of a solvent mixture. Chahl JS. Lab Pract 19:1036, Oct 70
Neurochemical effects of a coma-producing material from mammalian brain. Leonard BE, et al.
Neuropharmacology 9:489-502, Sep 70
Experiments concerning the transfer specificity of brain extracts in the taste discrimination of goldfish. Zippel HP, et al. Pflugers Arch 323:265-72, 1971
Detection of the scrapie agent in tissues of normal mice with special reference to the possibility of accidental laboratory contamination. Pattison IH, et al.
Res Vet Sci 12:30-9, Jan 71
A comparative study of the effects of ACTH, hydrocortisone and prednisolone in the hypersensitive reactions produced with the protein components of Hymenolepis nana in albino mice. Ahmed Z, et al. Riv Parassitol 31:117-22, Jun 70
Inhibition of tumor implantation in colon anastomoses by an ileal homogenate. Wermuth RE, et al.
Surg Forum 21:113-4, 1970
Antibody response by rabbits injected with embryo brei. Chilgreen DR, et al.
Trans Kans Acad Sci 72:210-2, Summer 69
Diagnosis of the "Cad" blood group with agglutinins from snails and plants. Uhlenbruck G, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:290-1, 1971
[New studies on the factors allowing growth of 3 human cancerous tumors cultivated organotypically in vitro during long term] Smith J, et al.
C R Acad Sci [D] (Paris) 272:1465-8, 8 Mar 71 (Fre)
[On the changes observed in rabbits immunized with a single intraperitoneal injection of total homologous kidney. I. Anatomical findings in various organs: kidney, brain, myocardium, liver] Tison V, et al.
Arch Ital Anat Istol Patol 42:429-38, 1969 (Ita)
[Systemic arthropathy induced in the rabbit with a leucocyte extract] Caruso I, et al.
Reumatismo 21:66-71, Mar-Apr 69 (Ita)
[Stabilization phenomenon in agar gel of products from the interaction of human and animal sera with extracts of their tissues] Chechik BE.
Biull Eksp Biol Med 68:70-2, Nov 69 (Rus)
[Determination of the activity of adipozin] Antonova EE, et al.
Probl Endokrinol (Mosk) 16:101-5, May-Jun 70 (Rus)

ADMINISTRATION & DOSAGE

Lymph-node permeability factor and skin histamine. Wolf-Jürgensen P, et al.
Acta Derm Venereol (Stockh) 50:327-8, 1970
Response of host embryonic chicks to grafts of additional adrenal glands. 3. Response of adrenal glands and gonads to the presence of homogenates of adrenal glands. Hall BK. Can J Zool 49:381-4, Mar 71
The characterization of cancer: comparative response to protamine sulphate and mercenaria clam extract. Lavelle SM. Ir J Med Sci 3:436-7, Sep 70
Distribution of 14C-labelled encephalitogenic factor after intracutaneous inoculation. Caspary EA, et al.
J Neurol Sci 11:257-64, Sep 70
[Fibrinolytic therapy of arteriosclerosis. Influence on hemocoagulation of a total arterial wall extract for oral use] Guglielmi G, et al.
Clin Ter 50:527-36, 30 Sep 69 (Ita)
[Treatment of experimental mouse burns with E.G.F. (Epidermal Growth Factor) applied locally as a lotion] Frati C, et al. G Ital Dermatol 46:73-6, Feb 71 (Ita)
[Tranquilizing effect of saiga horn extract] Brekhman II, et al. Farmakol Toksikol 34:36-8, 1971 (Rus)

ADVERSE EFFECTS

Toxicity of the common puffer fish in Hong Kong. Yip LL, et al. Experientia 27:668-9, Jun 71

ANALYSIS

Simultaneous evaluation of tissue heparin and mast cells in small tissue samples. Jaques LB, et al.
Am J Physiol 219:1155-60, Nov 70
Gradient elution of isoelectric precipitates from a molecular sieve carrier: a useful separation technique for biological components. Björklund B.
Anal Biochem 41:287-90, May 71
The determination of residues of dichlorvos in crops and tissues. Elgar KE, et al. Analyst 95:875-8, Oct 70
Separation of villikinin-like substance from intestinal mucosal extract. Kokas E, et al.
Arch Int Pharmacodyn Ther 191:310-7, Jun 71
Studies on the mechanisms of invasion in cancer. I. Isolation and purification of a factor chemotactic for cancer cells. Yoshida K, et al.
Int J Cancer 6:123-32, 15 Jul 70
A method for bioassay of an epidermal chalone-like inhibitor. Marrs JM, et al.
J Invest Dermatol 56:174-81, Mar 71
Preliminary characterization of an epidermal chalone-like inhibitor. Marrs JM, et al.
J Invest Dermatol 56:353-8, May 71
The demonstration of a tyramine-like substance in a heart extract (Recosen). Jackson DM, et al.
J Pharm Pharmacol 22:798-9, Oct 70
Differentiation of some taxonomic groups of Arthropoda by disk-electrophoretic analysis of protein extracts. Mastrilli ML, et al.
Riv Parassitol 31:215-9, Sep 70
Experimental biliary pancreatitis in dogs. II. Proteolytic activity of pancreatic tissue extract revealed by enzymoelectrophoresis. Herva P.
Scand J Gastroenterol 5:Suppl 8:23-30, 1970
Experimental biliary pancreatitis in dogs. IV. Total proteolytic activity in pancreatic tissue extract estimated by the casein digestion method. Herva P, et al. Scand J Gastroenterol 5:Suppl 8:37-43, 1970
Experimental biliary pancreatitis in dogs. V. Relationship between the clinical condition and the total proteolytic activity of pancreatic homogenate. Herva P, et al.
Scand J Gastroenterol 5:Suppl 8:44-52, 1970
[A simplified procedure of mineralization of tissue at low temperature. Application to the study of nephrocalcinosis] Dupré la Tour F, et al.
Ann Biol Clin (Paris) 28:303-7, 1970 (Fre)
[Immunochemical analysis of the constituents of tissues] Grabar P. Arq Patol 41:251-61, Aug 69 (Fre)
[Quantitative determination of acid phosphatases in a tissue extract] Henry C, et al.
C R Soc Biol (Paris) 164:1293-6, 1970 (Fre)
[Simplified technic of lyophilization and of detection of tissue catecholamines in histology] Roudier D, et al.
C R Soc Biol (Paris) 164:1191-4, 1970 (Fre)
[Comparative measurements of the lactotransferrin level in certain organs. Comparison between normal and fetal and cancerous tissues] Loisillier F, et al.
Pathol Biol (Paris) 19:167-70, Feb 71 (Fre)
[Electrophoretic and immunoelectrophoretic studies of injectable enzyme preparations: pancreatic and testicular preparations] Dony J, et al.
Progr Immunobiol Stand 4:395-405, 1970 (Fre)
[Model experiment on phosphate precipitation in fresh tissue and the use of the cryosubstitution technic for localization of free inorganic orthophosphate in the cell] Halbhuber KJ, et al.
Acta Histochem (Jena) 39:32-42, 1971 (Ger)
[Identification of vasoactive substances in extracts of the bovine eye lens] Werle E, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:177-84, 1971 (Ger)
[Determination of phosphorylcholine and phosphorylethanolammine in injectable pharmaceutical preparations] Accurso M.
Boll Chim Farm 109:391-4, Jun 70 (Ita)
[Purine and pyrimidine compounds in the "white bodies" of Sepia officinalis] Farina E, et al.
Boll Soc Ital Biol Sper 47:139-42, 15 Mar 71 (Ita)
[Purine and pyrimidine compounds in the "branchial hearts" of Sepia officinalis] Farina E, et al.
Boll Soc Ital Biol Sper 47:142-4, 15 Mar 71 (Ita)
[Chemical-toxicological study of proserine] Zimnukhov VV. Farmatsiia 20:45-50, Mar-Apr 71 (Rus)
[Vasodepressor activity of renal extracts, attempt of isolation and identification of active substance] Bata A, et al.
Glas Srp Akad Nauka [Med] 22:137-49, 1969 (Ser)
[Comparative evaluation of methods of isolation of nicotine and anabasine from biological material] Balk SI, et al. Farm Zh 25:49-52, 1970 (Ukr)
[Fatty acid content of splenin lipids] Komisarenko VP, et al. Farm Zh 25:10-3, 1970 (Ukr)
[Isolation of barbiturates by water acidified with sulfuric acid] Popova VI, et al.
Farm Zh 25:84-6, 1970 (Ukr)

ANTAGONISTS & INHIBITORS

The release of rabbit aorta contracting substance (RCS) from chopped lung and its antagonism by anti-inflammatory drugs. Palmer MA, et al.
Br J Pharmacol 40:581P+, Nov 70
[Direct inhibition, by cortisol, of ACTH release by the fetal pituitary gland of rats submitted to hypothalamic extract] Dupouy JP.
C R Acad Sci [D] (Paris) 272:1886-9, 5 Apr 71 (Fre)

ISOLATION & PURIFICATION

Separation of pineal extracts on sephadex G-10. I. A spectrofluorimetric study of indoles in a cockerel pineal extract. Balemans MG, et al.
J Neurovisc Relat 32:65-73, 1970
An attempt to separate a sheep pineal extract fraction showing antigonadotropic activity. Ebels I, et al.
J Neurovisc Relat 32:1-10, 1970
Use of ninhydrin to purify extracts of putrefied biological specimens. Bastos ML.
Z Rechtsmed 67:57-63, 1970
[The search for a hypocalcemic factor in the thymus gland. II. Improved method for the purification of the substance producing hypocalcemia in rabbits] Mizutani A, et al.
J Pharm Soc Jap 91:297-304, Mar 71 (Jap)

METABOLISM

A study of the effects of gingival plaque extracts on cells cultured in vitro. Babcoial R, et al.
J Periodont Res 5:248-54, 1970
The uptake of H3-estradiol by the oral tissues of rats. Formicola AJ, et al. J Periodont Res 5:289-75, 1970
Degradation of the side-chain of cortisol by lens homogenate. Ono S, et al.
Tohoku J Exp Med 104:171-5, Jun 71
[On the incorporation of a thymus extract labeled with P32 during anti-influenza immunization in mice] Babeș VT, et al.
Stud Cercet Inframicrobiol 21:291-6, 1970 (Rum)

PHARMACODYNAMICS

The changes in clotting factors and fibrinolysis following intravenous infusion of autologous connective tissue homogenate in cats. Bengmark S, et al. Acta Chir Scand 136:283-90, 1970
Virus-inhibitory activity of 6-azauridine dependent on cell-free extracts containing uridine kinase. I. Inhibition of plaque-formation. Rada B, et al.
Acta Virol (Praha) 14:425-34, Nov 70
Virus-inhibitory activity of 6-azauridine dependent on cell-free extracts containing uridine kinase. II. Quantitative aspects, efficacy of pretreatment. Rada B, et al. Acta Virol (Praha) 14:435-44, Nov 70
Transformation of hepatic reticuloendothelial cells to erythroid cells by pars intermedia. Boyd WH.
Am J Physiol 219:1614-9, Dec 70
Kidney extracts and ACTH on adrenal steroid secretion in a turtle and a crocodilian. Nothstine SA, et al.
Am J Physiol 221:726-32, Sep 71
Anticoagulant activity of dog hookworm. Spellman GG Jr, et al. Am J Physiol 220:922-7, Apr 71
Effects of carp kidney extract and angiotensin II on adrenal steroid secretion. Taylor AA, et al.
Am J Physiol 221:652-7, Aug 71
The effects of infused material upon the regeneration of newt limbs. 3. Blastemal extracts and alkaline phosphatase in irradiated limb stumps. Deck JD, et al.
Anat Rec 168:525-35, Dec 70
Pharmacological studies on an elementary model of learning--the fixation of an experience at spinal level. II. Specific shortening of the spinal cord fixation time

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(SFT) by a brain extract. Giurgea C, et al. Arch Int Pharmacodyn Ther 191:292-300, Jun 71
Bipolar head regeneration in Planaria induced by chick embryo extracts. Rodriguez LV, et al. Biol Bull 140:117-24, Feb 71
Immunosuppression with cell membrane extracts. Caine RY, et al. Br J Surg 57:847, Nov 70
Rat supraoptic neurones: nucleolar changes following injection of posterior pituitary extracts. Watt RM. Brain Res 22:413-6, 16 Sep 70
Studies on action of hypotensive substance from renal medulla on the heart and smooth muscle. Swiderska-Kulikowa B. Bull Acad Pol Sci [Biol] 16:787-90, 1968
Mechanism of starfish spawning. 3. Properties and action of meiosis-inducing substance produced in gonad under influence of gonad-stimulating substance. Kanatani H, et al. Dev Growth Differ (Nagoya) 12:119-40, Sep 70
Rat intratesticular test systems for investigating luteinizing hormone releasing factor (LRF) and luteinizing hormone (LH) activities: effects of rat stalk-median eminence extract and internal environment of rat testis upon rat and quail anterior pituitaries. Suzuki Y, et al. Endocrinol Jap 17:431-40, Dec 70
Pituitary portal vessel infusion of hypothalamic extract and release of LH, FSH and prolactin. Kamberi IA, et al. Endocrinology 88:1294-9, Jun 71
Immunoassay of plasma growth hormone in cats following fasting and administration of insulin, arginine, 2-deoxyglucose and hypothalamic extract. Kokka N, et al. Endocrinology 88:359-66, Feb 71
Stimulation of cell division in larval kidney (Xenopus laevis) by rat kidney antiserum. Chopra DP, et al. Exp Cell Res 64:396-402, Feb 71
Demonstration of an organ-specific mitotic inhibitor in amphibian kidney. The effects of adult Xenopus tissue extracts on the mitotic rate of embryonic tissue (in vitro). Chopra DP, et al. Exp Cell Res 58:319-22, Dec 69
DNA synthesis in organ cultures of the hamster cheek pouch. Inhibition by a homologous extract. Hall RG Jr. Exp Cell Res 58:429-31, Dec 69
Growth promotion by extracts from Wilms' tumor in vitro. Beierle JW, et al. Experientia 27:435-6, 15 Apr 71
Liberation of platelet histamine by the alkaline tissue extract and oleic acid. Kataoka K, et al. Experientia 26:1329-30, 15 Dec 70
Inhibition of Novikoff ascites cell transplantation by a polysaccharide component in bull seminal plasma. Sheid B. Experientia 27:691-2, Jun 71
Inhibition of lens regeneration in the eye of the adult newt, Diemictylus viridescens. Wedlock DE, et al. Experientia 27:180-1, 15 Feb 71
Tissue-specific inhibition of cell proliferation in embryonic stomach epithelium in vitro. Philpott GW. Gastroenterology 61:25-34, Jul 71
Effect of mouse submandibular gland extracts on survival of H-2 incompatible skin allografts. Kongshavn PA, et al. Immunology 19:363-7, Aug 70
Studies on the mechanisms of invasion in cancer. II. In vivo effects of a factor chemotactic for cancer cells. Ozaki T, et al. Int J Cancer 7:93-100, 15 Jan 71
Effect of homogenized embryos on IUD-induced luteal regression in the ewe. Warren JE Jr, et al. J Anim Sci 32:496-9, Mar 71
Cytotoxic factor demonstrated in lymph node extract. Okudaira H, et al. J Biochem (Tokyo) 68:379-94, Sep 70
Increase in thyrotrophin secretion by rat pituitary autografts after infusion of hypothalamic extracts. Evans JS, et al. J Endocrinol 50:397-405, Jul 71
Effects of human pituitary extracts on androgen biosynthesis by human adrenals in vitro. Milner AJ, et al. J Endocrinol 48:379-87, Nov 70
Inhibition of compensatory ovarian hypertrophy in mice by melatonin, 5-hydroxytryptamine and pineal powder. Vaughan MK, et al. J Endocrinol 50:171-5, May 71
The effect on urinary calcium excretion of infusions of a renal extract into the renal artery of the dog. Wilson RJ, et al. J Endocrinol 46:13-4, Feb 70
Physico-chemical properties of an agent that induces parthenogenesis in Rana pipiens eggs. Fraser LR. J Exp Zool 177:153-72, Jun 71
Developmental and regional variations in ribonuclease inhibitor activity in brain. Suzuki Y, et al. J Neurochem 17:1521-4, Oct 70
Transfer of morphine tolerance in rats by brain extracts. Tulunay FC, et al. J Pharm Pharmacol 22:871-2, Nov 70
Some effects of posterior pituitary extracts on nucleoli of supraoptic nerve cells. Watt RM. J Physiol (Lond) 210:177P+, Sep 70
The effect of pineal extracts on hormone-induced rat uterine contractility. Davis RH. J Reprod Fertil 26:383-5, Sep 71
Lack of gonadotrophin-inhibiting activity of ovine pineal extracts. Debeljuk L. J Reprod Fertil 23:161-3, Oct 70
Relation between the cell wall composition and susceptibility of Salmonella typhimurium to anti-salmonella substance extracted from mouse spleens. Nakano M, et al. Jap J Microbiol 15:99-101, Jan 71
Antagonizing substances obtained from whale heart extract to vasopressin induced myocardial hypoxia. Hiramatsu Y, et al. Jap J Pharmacol 20:313-24, Sep 70
Effects of subcellular fractions of the dog small intestinal smooth muscle on acetylcholine-induced contraction of glycerol extracted skeletal muscle. Takagi K, et al. Jap J Pharmacol 20:448-50, Sep 70
Morphological and biochemical changes of rat prostate organ cultures and their reaction to prostate extracts. Comoglio PM, et al. Life Sci [II] 10:325-31, 22 Mar 71
Immunosuppressive effects of soluble cell membrane fractions, donor blood and serum on renal allograft survival. Caine RY, et al. Minerva Chir 26:703-8, 15 Jul 71
Gonadotrophin inhibitory properties of pineal extracts. Hipkin LJ. Nature (Lond) 228:1202, 19 Dec 70
Mode of action on the platelet 5-HT of the active principles in Toh's alkaline tissue extract. Shio H. Naunyn Schmiedebergs Arch Pharmakol 267:123-34, 1970
Effect of a S purified thymus factor (isolated from the II B 3 thymus fraction) on the in vitro proliferation of tumour cells. Potop I, et al. Neoplasma 17:655-62, 1970
Activation of non competent embryonic chicken spleen and bone marrow cells by thymus and bursa Fabricii extracts. Sharon R. Poult Sci 49:1750-2, Nov 70
The effect of parathyroid extract and dibutyryl cyclic AMP on NAD and NADP levels in embryonic mouse calvarium explants. Herrmann-Erlee MP. Proc K Ned Akad Wet [Biol Med] 74:234-46, 1971
Acceleration by thymosin of the development of resistance to murine sarcoma virus-induced tumor in mice. Zisblatt M, et al. Proc Natl Acad Sci USA 66:1170-4, Aug 70
Effects of chronic administration of sheep stalk-median eminence extract on organ weights of immature hypophysectomized rats with pituitary grafts. Beddow D, et al. Proc Soc Exp Biol Med 135:671-4, Dec 70
Arterial tone factor in extract of rat arterial wall. Freed SC. Proc Soc Exp Biol Med 136:1323-7, Apr 71
An inhibitor of herpesvirus hominis in extracts of cultures of Burkitt's lymphoma cells. Rabson AS, et al. Proc Soc Exp Biol Med 137:264-7, May 71
Antral and duodenal gastrin activity in non-ulcer and ulcer patients. Emás S, et al. Scand J Gastroenterol 6:39-43, 1971
Experimental occlusion of the renal circulation in the dog. Aimgård LE, et al. Scand J Urol Nephrol 5:268-72, 1971
Comparison of tentacle extracts from Chiropsalmus quadrigatus and Chironex fleckeri. Keen TE. Toxicon 9:249-54, Jul 71
[Action of homologous thyroid extract on guinea pig lymph node cells in culture during and apart from experimental auto-allergic thyroiditis] Martin-Taieb C, et al. Ann Inst Pasteur (Paris) 119:573-9, Nov 70 (Fre)
[Anti-staphylococcal bactericidal activity of leukocyte extract] Mirzoev M. Arch Roum Pathol Exp Microbiol 28:379-87, Jun-Sep 69 (Fre)
[Effects of nutritional and hormonal factors on the phospholipase A2 activity of the pancreatic juice of conscious rats] Belleville J, et al. Arch Sci Physiol (Paris) 25:59-83, 1971 (Fre)
[Studies on the origin of cells forming spontaneous rosettes] Bach JF, et al. C R Acad Sci [D] (Paris) 272:1318-9, 1 Mar 71 (Fre)
[Pictures of division observed on macrophages of the peritoneal cavity of mice in culture in vitro] Chouroulinkov I, et al. C R Acad Sci [D] (Paris) 272:2013-6, 14 Apr 71 (Fre)
[Mucicrinic effect of a duodenal hormone on the digestive tract] Svatos A, et al. C R Acad Sci [D] (Paris) 272:1130-2, 22 Feb 71 (Fre)
[Effect of ablation of the submaxillary glands and the administration of parotin on the growth of the young rat] Barthe D, et al. C R Soc Biol (Paris) 164:1680-4, 1970 (Fre)
[Hypercalcemic action of rat duodenum extracts] Thomas J, et al. C R Soc Biol (Paris) 164:495-7, 1970 (Fre)
[Bioelectric activities of the central nervous system following tissue-stress. Demonstration of a biphasic response of the central nervous system] Velley GC, et al. C R Soc Biol (Paris) 164:2020-4, 1970 (Fre)
[The effect of adrenal extracts on articular cartilage] Cerwenka W. Beitr Orthop Traumatol 17:73-4, Jan 70 (Ger)
[Studies on the effect of testicular extract on live-weight increase in calves] Rebreanu L, et al. Monatsh Vet Med 25:542-3, 15 Jul 70 (Ger)
[Studies about an inhibitor of human endometrium] Wayss K, et al. Verh Dtsch Ges Pathol 54:496-500, 1970 (Ger)
[Studies on the effect of Actihaemyl on peripheral vascular resistance and cardiac output] Heidrich H, et al. Z Kreislaufforsch 59:251-61, Mar 70 (Ger)
[Effect of a cartilage-bone marrow extract upon rat cartilage in vivo] Weigel W, et al. Z Rheumaforsch 29:348-51, Nov-Dec 70 (Ger)
[The biological activity of mixtures of foot-and-mouth disease virus and serums in animal experiments on mice pretreated unspecifically (cattle spleen extract)] Lübke A. Zentralbl Bakteriol [Orig] 204:165-72, 1967 (Ger)
[Antibody formation after cat gut application] Unger G. Zentralbl Chir 95:290-2, 28 Feb 70 (Ger)
[The pineal body and the visual apparatus. I] Zeppa R. Ann Ottalmol Clin Ocul 95:691-701, Aug 69 (Ita)
[Action of the splenic factor in experimental cardiac insufficiency induced with propranolol] Aufiero C, et al. Boll Soc Ital Biol Sper 46:695-8, 15 Sep 70 (Ita)
[Action of the splenic factor in experimental cardiac insufficiency induced with volume overloading] Aufiero C, et al. Boll Soc Ital Biol Sper 46:699-702, 15 Sep 70 (Ita)
[Action of acellular spleen homogenate on the cardiovascular system of dogs with experimental infarct] Scapicchio A, et al. Boll Soc Ital Biol Sper 45:1344-7, 15 Nov 69 (Ita)
[Study of the circulatory activity of renal medulla lipid extracts. Action on arterial pressure and vascular resistance of the hind leg of the rabbit] Tallarida G, et al. Boll Soc Ital Biol Sper 45:1399-403, 30 Nov 69 (Ita)
[Studies of the circulatory activity of renal medulla lipid extracts. Effects induced by different lipid fractions of the renal medulla on arterial pressure in the rat] Tallarida G, et al. Boll Soc Ital Biol Sper 45:1403-7, 30 Nov 69 (Ita)
[The action of the epidermal growth factor (EGF) on mouse skin in normal and pathological conditions] Frati C. G Ital Dermatol 46:205-9, May 71 (Ita)
[Behavior of skin homografts in animals treated with specific tissue antigens] Bernardini A, et al. Minerva Chir 26:745-7, 15 Jul 71 (Ita)
[Analysis of the rejection reaction of skin homografts. Inhibition of the delayed hypersensitivity reaction by periomodermal injections of homo-specific lymphoreticular tissue homogenate, in the guinea pig] Craviotto C, et al. Riv Anat Patol Oncol 35:281-91, 1969 (Ita)
[Human iris extract] Takao M. Acta Soc Ophthalmol Jap 75:1131-2, Apr 71 (Jap)
[Effects of calf thymus extract on human peripheral blood lymphocytes growing in vitro] Kmieciak M, et al. Folia Morphol (Warsz) 30:301-9, 1971 (Pol)
[Separation of some phosphatides from striated muscle with action on smooth muscle] Cuparencu B, et al. Fiziol Norm Patol 16:547-54, 1970 (Rum)
[Action of lipid and protein extracts of the thymus on the phosphorus and alkaline phosphatase of the liver of rats with Walker tumor] Juvină E. Stud Cercet Endocrinol 21:421-3, 1970 (Rum)
[Action of thymus lipid extract B on carbohydrate metabolism in mice with implants of Ehrlich's ascitic carcinoma] Juvină E, et al. Stud Cercet Endocrinol 21:503-7, 1970 (Rum)
[Action of thymic lipid extract B on adenosine triphosphatase and succinate dehydrogenase of the liver of rats with Guerin tumors] Juvină E, et al. Stud Cercet Endocrinol 22:35-9, 1971 (Rum)
[Development and study of media for the biocontrol of the activity of antibiotics by the agar diffusion method] Semenov SM, et al. Antibiotiki 15:1069-71, Dec 70 (Rus)
[Comparative fat-mobilizing acitivty of some pituitary hormones and Adipoxin] Antonova EE. Biull Eksp Biol Med 70:63-5, Nov 70 (Rus)
[The effect of cell and tissue extracts on the growth of culture cells] Kochergina NI, et al. Biull Eksp Biol Med 71:86-8, Mar 71 (Rus)
[Tissue-specific inhibitors of cell division (chylons) in the epidermis. Effect on the cell cycle and development of hyperplasia] Frankfurt OS. Dokl Akad Nauk SSSR 196:237-9, Jan-Feb 71 (Rus)
[Effect of aqueous saline extracts of mouse tissues on previously irradiated hereditary structures] Kerkis IuIa, et al. Dokl Akad Nauk SSSR 188:195-7, May-Jun 69 (Rus)
[Thermolabile inhibitors of cleavage from sea urchin eggs] Zotin AI. Dokl Akad Nauk SSSR 186:981-4, Jun 69 (Rus)
[Effect of the aorta of fetuses, clinically healthy persons and patients with arteriosclerosis on the coagulation activity of the blood] Khalfen ESh, et al. Ter Arkh 42:57-9, Aug 70 (Rus)
[Antibiotic properties of aqueous extracts of frog ovary (Rana temporaria)] Ivanova LV, et al. Vestn Leningr Univ [Biol] 4:22-9, 1968 (Rus)
[Antibiotic properties of oocytes and tissues of some organs of bony fish] Movchan NA, et al. Vestn Leningr Univ [Biol] 3:31-6, Aug 69 (Rus)
[Possibility of transmitting a conditioned connection by means of a biochemical substrate] Krylov OA, et al. Zh Vyssh Nerv Deiat 19:286-92, Mar-Apr 69 (Rus)
[Action of hypothalamus extracts on hypophyseal cytology in rats] Lawzewitsch I von, et al. Rev Argent Endocrinol Metab 14:156-8, Sep 68 (Spa)
[Effect of a protein present in experimental myocardial infarct on the excitability of the isolated rat uterus] Viña J, et al. Rev Esp Fisiol 27:55-61, Mar 71 (Spa)
[Effect of splenin on sulfhydryl compounds of the liver

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and spleen] Olefnik BV, et al.
Fiziol Zh 17:222-4, Mar-Apr 71 (Ukr)
[Changes in the activity of dendrodochin under the effect of blood serum and tissues of animal organs] Lemeshchenko GP.
Mikrobiol Zh 32:456-9, May-Jun 70 (Ukr)
[Erythrostimulating activity of renal extracts of normal and bled rabbits] Liotti FS, et al.
Riv Biol 63:301-13 passim, Jul-Dec 70 (Mul)

THERAPEUTIC USE

Relationship between blocking antibody titres and symptomatic relief in hay-fever subjects treated with allpyral. Starr MS, et al.
Int Arch Allergy Appl Immunol 41:157-9, 1971
[Treatment of arthroses and their inflammatory crises with a bone marrow extract] Laborie G, et al.
Bord Med 4:235 passim, Jan 71 (Fre)
[Complementary treatment of Hodgkin's disease by irradiated tumor extracts (experimental and clinical trials)] Latarjet R, et al.
Bull Cancer (Paris) 56:221-30, Jul-Sep 69 (Fre)
[Complementary treatment of Hodgkin's disease with irradiated tumor extract. Experimentation and clinical studies] Latarjet R, et al.
Haematol Lat 12:397-406, Jul-Dec 69 (Fre)
[Cardiac mitochondria and cardiotherapy] Florio R, et al. Maroc Med 48:562-9, Oct 68 (Fre)
[Tissue extracts in treatment of cartilage lesions in children and adults] Goldschan D.
Rhumatologie 21:113-22, Apr 69 (Fre)
[Experimental and clinical experiences with Actihaemyl in lime corrosion of the eye] Meythaler H, et al. Ber Dtsch Ophthalmol Ges 70:59-61, 1970 (Ger)
[Actihaemyl as adjuvant in cardiac therapy] Lordick H.
Munch Med Wochenschr 112:298-300, 13 Feb 70 (Ger)
[Applicability of organ extract preparations in geriatrics] Doberauer W.
Wien Med Wochenschr 120:253-6, 11 Apr 70 (Ger)
[Thromboplastic activity of endometrium extracts in hemorrhages during the female climacteric] Slunsky R. Z Geburtshilfe Gynaekol 172:298-303, Jun 70 (Ger)
[Animal experiments (autoradiographic) and clinical studies with the cartilage-bone marrow extract (KKE) Arumalon] Grueter H, et al.
Z Orthop 107:354-61, Jan 70 (Ger)
[Treatment of experimental fractures with cartilage extracts in calcium chloride solution] Herold HZ, et al. Harefuah 79:207-8, 1 Sep 70 (Heb)
[Effect of an arterial wall extract in various retinal vascular diseases] Bracciolini MR, et al.
Ann Ottalmol Clin Ocul 94:705-13, Jun 68 (Ita)
[On the use in geriatrics of phospholipids and adrenal cortex extracts] Autore A, et al.
G Clin Med 51:340-52, Apr 70 (Ita)
[Clinical testing of 2 drugs with angiotrophic and regulatory action on vascular metabolism in hypertensive myocardioangiosclerosis] Puleo F, et al.
G Gerontol 18:1133-8, Dec 70 (Ita)
[Clinical research on the therapeutic action of mucopolysaccharides of vascular origin in cutaneous vascular pathology] Giacometti C, et al.
G Ital Dermatol 46:231-5, May 71 (Ita)
[Our experience with the use of organ protein lysates in the treatment of chronic arthropathies] Manca M, et al. Minerva Med 62:168-73, 13 Jan 71 (Ita)
[High doses of natural adrenal-cortex extract in infectious and general pathology. (Clinico-statistical study)] Ruberti A, et al.
Policlinico [Med] 78:118-32, 1971 (Ita)
[Effect of Splenin on certain metabolic indices in patients with atherosclerosis] Golovtsev IuN.
Ter Arkh 41:66-70, Sep 69 (Rus)
[Current treatment of pollenosis] Charpin J.
Rev Clin Esp 115:467-72, 31 Dec 69 (Spa)
[Action of a protein free extract from calf's blood on various parameters of the respiratory function in the mouse during hypoxia] Guidi EE, et al.
Rev Esp Fisiol 27:125-9, Jun 71 (Spa)

TISSUE PRESERVATION (E5)

Two-day renal preservation by hypothermia. A preliminary report. Collste H, et al.
Acta Chir Scand 136:349-50, 1970
Clotting abnormalities following orthotopic and heterotopic transplantation of marginally preserved pig livers. Homatas J, et al.
Acta Hepatosplenol (Stuttg) 18:14-26, Jan-Feb 71
Kidney preservation with pulsatile and non-pulsatile hypothermic serum perfusion. Renal clearances in pigs with autotransplanted 24-hour preserved kidneys. Lokkegaard H, et al.
Acta Med Scand 188:245-55, Oct 70
Homograft tympanic membrane transplant in myringoplasty. Brandow EC Jr.
Acta Otorhinolaryngol Belg 24:38-44, 1970
Biological aspects of collagenous homografts. Seiffert KE. Acta Otorhinolaryngol Belg 24:27-33, 1970
Preparation of kidney transportation solution. Shukur M, et al. Am J Hosp Pharm 28:196-200, Mar 71
Cryopreservation of corneas for penetrating keratoplasty. Polack FM.
Am J Ophthalmol 71:505-15, Feb 71
Tissue cholesterol preservation: solubility of cholesterol digitonide in ethanol. Sterzing PR, et al.
Anat Rec 168:569-71, Dec 70
C cell follicles in the dog thyroid: demonstration by in vivo perfusion. Teitelbaum SL, et al.
Anat Rec 168:69-77, Sep 70
Comparative studies on fresh and preserved skin: fundamental biologic differences in behavior as grafts. Abbott WM, et al. Ann Surg 172:781-6, Nov 70
48-hour storage of canine kidneys after brief perfusion with Collins' solution. Liu WP, et al.
Ann Surg 173:748-57, May 71
Evaluation of methods for reestablishment of L-cell suspension cultures directly from liquid nitrogen stored stocks. Weirether FJ, et al.
Appl Microbiol 20:171-5, Aug 70
Effect of cold perfusion on the function of auto-transplanted kidneys. Werf BA van der.
Arch Chir Neerl 23:7-15, 1971
Liquid silicone impregnantion of the corneal stroma. Use in corneal transplantation. Stanley JA, et al.
Arch Ophthalmol 85:90-2, Jan 71
Corneal cryopreservation. II. Ultrastructural and viability changes. Van Horn DL, et al.
Arch Ophthalmol 84:655-67, Nov 70
A simple ex vivo method for evaluating the function of preserved kidneys. Ariyan S, et al.
Arch Surg 102:57-60, Jan 71
Kidney graft storage after surface cooling. Eilert JB, et al. Arch Surg 102:197-8, Mar 71
Influence of preparation and immunosuppression upon longevity of grafted aortic valves. Sweatt JL, et al.
Arch Surg 101:658-62, Dec 70
Successful three- to seven-day preservation of canine kidneys. Immediate life-sustaining function. Woods JE. Arch Surg 102:614-6, Jun 71
Problems in 48- to 72-hour preservation of canine kidneys. Woods JE, et al. Arch Surg 101:605-9, Nov 70
The human fetal synovium. Histology, fine structure and changes in organ culture. Krey PR, et al.
Arthritis Rheum 14:319-41, May-Jun 71
Kidney preservation for transportation. IV. Eight-thousand-mile international air transport. Collins GM, et al. Aust NZ J Surg 40:195-7, Nov 70
Preparation of the porcine liver for allotransplantation. Halliday P, et al. Aust NZ J Surg 40:374-80, May 71
Resumption of activity in frog heart after freezing to low temperatures. Rapatz G.
Biodynamica 11:1-12, 1970
Experiments on long-term preservation of rat heart. Offerijns FG. Br Heart J 33:149, Jan 71
Graft viability in orthotopic porcine cardiac transplantation. Cullum PA, et al.
Br J Surg 58:301, Apr 71
Perfusion of the isolated pig liver. Functional assessment under control normothermic conditions. Hickman R, et al. Br J Surg 58:33-8, Jan 71
The comparison of 24-hour preservation by hypothermic perfusion and cold storage on canine kidneys damaged by warm ischaemia. Johnson RW, et al. Br J Surg 58:299, Apr 71
Liver preservation in the pig. Marshall VC, et al. Br J Surg 57:853, Nov 70
Ice-cooled preservation of kidneys damaged by warm ischaemia. Pena JR, et al. Br J Surg 58:653-6, Sep 71
Preservation of the dog heart for 96 hours at 4 degrees C. Proctor E. Br J Surg 58:306, Apr 71
Insulating kidney perfusion fluid. Smith P, et al.
Br Med J 2:711, 19 Jun 71
Effect of storage at -20 degrees C on the infectivity of foot-and-mouth disease virus type O. Barya MA, et al.
Bull Off Int Epizoot 70:847-52, May-Jun 69
Cardiac preservation. Diethrich EB, et al.
Bull Soc Int Chir 29:257-60, Jul-Aug 70
Mycology of eye bank eyes. I. Studies on the frozen-stored donor material. Hasany SM, et al.
Can J Ophthalmol 5:255-63, Jul 70
Effect of sterilization and preservation on the tensile properties of aortic cusp tissue, with a note on a simplified method of evaluation. Firor WB, et al.
Can J Surg 13:434-8, Oct 70
Important factors in extracorporeal organ support with special reference to the heart. Pitzele S.
Can J Surg 14:100-13, Mar 71 (153 ref.)
Effects of a hyperosmotic perfusate on extended preservation of the heart. Levitsky S, et al.
Circulation 43:Suppl 1:134-9, May 71
The perfusion of isolated whole organs. Abbott WM, et al. Cryobiology 8:113-33, Apr 71
An experimental evaluation of skin graft preservation with silicone fluid. Ballantyne DL Jr, et al.
Cryobiology 8:211-5, Apr 71
Storage of Aedes aegypti and Aedes albopictus cells under liquid nitrogen. Brown BL, et al.
Cryobiology 7:249-51, Nov-Dec 70
Low temperature preservation of monkey marrow in dimethyl sulfoxide. Buckner CD, et al.
Cryobiology 7:136-40, Sep-Oct 70
Uptake and removal of dimethyl sulfoxide in rabbit and human corneas during cryopreservation. Edelhauser HF, et al. Cryobiology 8:104-7, Feb 71
Functional recovery of smooth muscle after exposure to dimethyl sulfoxide and low temperatures. Elford BC. Cryobiology 7:148-53, Sep-Oct 70
Some of the problems associated with the freezing and thawing of kidneys. Halasz NA, et al.
Cryobiology 7:163-7, Sep-Oct 70
An in vivo evaluation of various perfusates employed in renal preservation. Hardner GJ, et al.
Cryobiology 7:168-73, Sep-Oct 70
A review of research on the preservation of hearts in the frozen state. Luyet B.
Cryobiology 8:190-207, Apr 71 (28 ref.)
Conditions for recovery of hamsters' hearts after freezing at high subzero temperatures in the absence of cryoprotective agents. Luyet B, et al.
Cryobiology 8:216-9, Apr 71
A review of research on the preservation of hearts in the frozen state. Luyet B.
Cryobiology 8:190-207, Apr 71 (28 ref.)
Long-term storage of bone marrow cells at liquid nitrogen and dry ice temperatures. Malinin TI, et al.
Cryobiology 7:65-9, Jul-Aug 70
Erythropoietin release from preserved kidneys. Murphy GP, et al. Cryobiology 8:184-9, Apr 71
Some problems associated with the freezing of hearts. Rapatz G. Cryobiology 7:157-62, Sep-Oct 70
Ultrastructure-function correlative studies for cardiac cryopreservation. I. Hearts perfused with various concentrations of dimethyl sulfoxide (DMSO). Shlafer M, et al. Cryobiology 8:280-9, Jun 71
Penicillin titer after storage of Penicillium chrysogenum by liquid nitrogen refrigeration. Wellman AM. Cryobiology 7:259-62, Nov-Dec 70
Viability of forty-two neoplasms after long-term storage in liquid nitrogen at -196 degrees C. Wodinsky I, et al. Cryobiology 8:84-90, Feb 71
Donor eyes and eye banks. King JH Jr.
Int Ophthalmol Clin 10:313-28, Summer 70
Experimental rehydration of cryopreserved corneal tissue. Edelhauser HF, et al.
Invest Ophthalmol 10:100-7, Feb 71
Renal lactate and pyruvate metabolism in dogs after graded renal ischemia. Flatmark AL, et al.
Invest Urol 9:25-30, Jul 71
Clinical experience with formalin-preserved stented porcine heterograft heart valves. Merin G, et al.
Isr J Med Sci 7:298-302, Feb 71
Studies in the biochemistry of oral tissue. I. Technique for obtaining epithelial slices of bovine attached gingiva. Rosett T, et al. J Dent Res 50:161, Jan-Feb 71
Rheologic properties of erythrocytes preserved in liquid nitrogen. Chien S, et al.
J Lab Clin Med 78:175-90, Jul 71
Preservation of young canine liver by perfusion. Lister J, et al. J Pediatr Surg 5:667-73, Dec 70
Effect of sterilization methods on endothelium of homograft and heterograft valves. Innes BJ, et al.
J Surg Res 11:111-8, Mar 71
The kidney and the calcium paradox. Nozick JH, et al.
J Surg Res 11:60-7, Feb 71
Kidney preservation by initial perfusion and surface cooling. Woods JE, et al. J Surg Res 11:68-73, Feb 71
Deterioration of formalin-treated aortic valve heterografts. Buch WS, et al.
J Thorac Cardiovasc Surg 60:673-82, Nov 70
A functional evaluation of the preserved heart. Levitsky S, et al.
J Thorac Cardiovasc Surg 60:625-35, Nov 70
Replacement of the pulmonary outflow tract and valve with a formalin-treated porcine heterograft. An experimental study in the dog. Pierce WS, et al.
J Thorac Cardiovasc Surg 61:924-32, Jun 71
Successful 20 hour preservation of ischemic canine lung by hypothermia combined with minimal ventilation. Thomas PA, et al.
J Thorac Cardiovasc Surg 62:176-82, Aug 71
Ischemic tolerance of the lung. The effect of ventilation and inflation. Veith FJ, et al.
J Thorac Cardiovasc Surg 61:804-10, May 71
Versatility of skin allografts: desirability of a viable frozen tissue bank. Graham WP 3d, et al.
J Trauma 11:494-501, Jun 71
Lyophilized human dura as a bladder wall substitute: experimental and clinical results. Kelámi A.
J Urol 105:518-22, Apr 71
Preservation of human cadaver kidneys for transplantation. Kiser WS, et al.
J Urol 105:779-83, Jun 71
Effects of hyperosmotic perfusate on ultrastructure and function of the isolated canine heart. Ferrans VJ, et al. Lab Invest 24:265-72, Apr 71
Organ preservation by Collins' solution. Abouna GM, et al. Lancet 1:1078, 22 May 71
Solutions for organ preservation. Calman KC, et al.
Lancet 2:1185, 5 Dec 70
Solutions for kidney preservation. Dempster WJ.
Lancet 2:1066-7, 21 Nov 70
Calcification and cusp-rupture in human aortic-valve homografts sterilised by ethylene oxide and freeze-dried. Missen GA, et al. Lancet 2:963-4, 7 Nov 70
Comparative evaluation of two kidney-preservation techniques in dogs. Sinha B, et al.
Lancet 1:421-3, 27 Feb 71
Organs for transplantation. Lancet 1:120-1, 16 Jan 71

Perfusion of the graft during heart transplantation. Cabrol C, et al. Laval Med 41:205-8, Feb 70
The donor heart: brain death and pathological changes in the heart. Heggtveit HA. Laval Med 41:178-9, Feb 70
Evaluation of the condition of the isolated heart during preservation. Pitzele S, et al. Laval Med 41:202-4, Feb 70
Storage of the isolated heart. Proctor E. Laval Med 41:199-201, Feb 70
Myocardial hypothermia for cardiac transplantation. Stinson EB, et al. Laval Med 41:195-8, Feb 70
About perfusional method of isolated heart preservation before its transplantation. Vishnevsky AA, et al. Laval Med 41:210-1, Feb 70
Twenty-four-hour perfusion and storage of canine kidneys with albumin and electrolyte solutions. Cooperman AM, et al. Mayo Clin Proc 46:193-6, Mar 71
Human renal transplantation. Progress in organ preservation in vitro. Manax WG. Med Clin North Am 55:205-12, Jan 71 (28 ref.)
Kidney preservation for transportation. 5. Comparison of perfusates for hypothermic storage. Collins GM, et al. Med J Aust 1:1171-2, 29 May 71
Kidney preservation for transportation. 6. A new perfusate applied to human cadaveric kidneys. Collins GM, et al. Med J Aust 1:1173-6, 29 May 71
Preservation of cadaver kidneys before transplantation. Scott DF, et al. Med J Aust 2:1157-60, 19 Dec 70
Intercity transfer of canine kidney allografts. Sheil AG, et al. Med J Aust 1:194-7, 23 Jan 71
Viable organ procurement. I. Freedman FB. Nebr State Med J 56:152-4, Apr 71
Viable organ procurement. II. Freedman FB. Nebr State Med J 56:185-8, May 71
Successful preservation and simultaneous transplantation of human cadaver kidneys. McCabe R, et al. NY State J Med 71:2065-8, 1 Sep 71
A viable organ bank. Lehr HB, et al. Pa Med 73:57-60, Oct 70
Brief proposal on immortality: an interim solution. Martin GM. Perspect Biol Med 14:339, Winter 71
Transplantability of mouse bone marrow stored at +2 degrees to +4 degrees C. Fiala J. Physiol Bohemoslov 19:293-8, 1970
Dimethylsulphoxide concentration for freeze conservation of murine bone marrow. Fiala J, et al. Physiol Bohemoslov 19:263-6, 1970
Freeze-dried composite tendon allografts: an experimental study. Cameron RR, et al. Plast Reconstr Surg 47:39-46, Jan 71
Preservation of dog kidneys under condition of hyperbaric oxygenation. Rowiński W, et al. Pol Med J 10:459-64, 1971
Harvest, resuscitation, preservation, and orthotopic transplanttion of canine cadaver heart-lung allografts. Dos SJ, et al. Rev Surg 28:146-7, Mar-Apr 71
Cardiac preservation. Liddicoat JE, et al. Rev Surg 27:447-9, Nov-Dec 70
Viable organ procurement. Following development of feasible procurement systems, subsequent objective should be quality of organ preservation. Freedman FB. RI Med J 53:509-11 passim, Sep 70
The effects of betahistine on the isolated perfused baboon kidney. Groenewald JH, et al. S Afr Med J 44:1002-5, 5 Sep 70
Epidermal and cuticular mounts of plant material obtained by maceration. Kiger RW. Stain Technol 46:71-5, Mar 71
Embedding media for 1-2 micron sectioning. 3. Hydroxyethyl methacrylate-benzoyl peroxide activated with pyridine. Ruddell CL. Stain Technol 46:77-83, Mar 71
Preserved composite tendon allografts: a comparative study of changes in length, elasticity, and anastomotic and lineal tensile strength. Cameron RR, et al. Surg Forum 21:506-8, 1970
Biochemical evaluation of hepatic preservation techniques in the isolated rat liver. Draz S, et al. Surg Forum 21:352-4, 1970
Viable heart graft: preservation in the frozen state. Mermet B, et al. Surg Forum 21:156-7, 1970
Extended preservation of the primate liver by simple cooling and orthotopic auto transplantation. Slapak M, et al. Surg Forum 21:348-50, 1970
Functional deficits in the isolated perfused pig liver. Elmslie RG, et al. Surg Gynecol Obstet 133:89-92, Jul 71
Low flow hypothermic renal perfusion. Grana L, et al. Surg Gynecol Obstet 133:401-3, Sep 71
Successful 24 hour preservation of canine kidneys. Cooperman AM, et al. Surgery 70:399-406, Sep 71
Biochemical evaluation of hepatic preservation techniques in the isolated rat liver. Draz S, et al. Surgery 70:446-51, Sep 71
Technique for predicting the effectiveness of aortic valve preservation methods. King WL, et al. Surgery 69:883-9, Jun 71
Simple tests for viability of the hypothermic pulsatile perfused dog kidney. Liebau G, et al. Surgery 70:459-66, Sep 71
Preservation and function of heterologous aortic valves. An experimental study. Gunning AJ, et al. Thorax 26:179-83, Mar 71
Acute orthotopic transplantation of hearts stored for 72 hours. Proctor E, et al. Thorax 26:99-102, Jan 71
A simple method for short-term (6-hour) transport of the dog heart prior to orthotopic transplantation. Proctor E, et al. Thorax 25:477-83, Jul 70
Restoration of thymectomized irradiated mice by frozen and stored thymus grafts. Cheers C, et al. Transplantation 10:505-11, Dec 70
Successful 20-hr preservation of the primate liver by simple cooling. Mieny CJ, et al. Transplantation 11:495-7, May 71
Evaluation of preservation of cadaver kidneys. Scott DF, et al. Transplantation 11:90-2, Jan 71
Successful liver transplantation after storage for 6-8 hours, using a simple hypothermic immersion technique. Spilg H, et al. Transplantation 11:457-60, May 71
Comparison of methods of 24-hr preservation of dog kidneys using the same perfusate. Woods JE, et al. Transplantation 11:295-7, Mar 71
[Kidney preservation: methods and functional evaluation] Lejeune G, et al. Acta Chir Belg 69:503-13, 1970 (Fre)
[Preservation of normal metabolism in isolated canine thyroid by pulsatile perfusion: preliminary study] Rocmans PA, et al. Acta Chir Belg 69:515-21, 1970 (Fre)
[Experimental study of the possibilities of liver preservation for 24 hours and longer under hypothermia, hyperbaric oxygen and perfusion. 3. Trial of experimental liver preservation under hypothermia, perfusion and hyperbaric oxygen. Research of morphological viability tests] Chomette G, et al. Ann Chir 25:195-202, Feb 71 (Fre)
[Experimental study of the possibilities of liver preservation for 24 hours and longer under hypothermia, hyperbaric oxygen and perfusion. II. Biochemical results] Clot JP, et al. Ann Chir 25:181-92, Feb 71 (Fre)
[Experimental study of the possibilities of liver preservation for 24 hours and longer under hypothermia, hyperbaric oxygen and perfusion. IV. Discussion, conclusions] Garnier H, et al. Ann Chir 25:203-10, Feb 71 (Fre)
[Experimental study of the possibilities of liver preservation for 24 hours and longer under hypothermia, hyperbaric oxygen and perfusion. I. The experimental method] Gorin JP, et al. Ann Chir 25:173-8, Feb 71 (Fre)
[Aortic valve grafts: cold storage and sterilization by high voltage cathode irradiation] Castany R, et al. Ann Chir Thorac Cardiovasc 9:379-85, Jul 70 (Fre)
[Control of the viability of pulmonary transplants after hyperbaric preservation. Ultrastructural study] Payan H, et al. Arch Anat Pathol (Paris) 18:169-74, Sep 70 (Fre)
[Inclusion of anatomical specimens in acrylic resins. New technical precisions] Sarrazin R, et al. Arch Anat Pathol (Paris) 18:337-9, Dec 70 (Fre)
[The preservation of the lung under hyperbaric oxygen (19 experiments)] Noircierc M, et al. Bronches 20:325-35, Jul-Aug 70 (Fre)
[Hypotnermic kidney preservation. Comparative effectiveness of 2 methods (Collins-Perfudex)] Kachelhoffer J, et al. C R Soc Biol (Paris) 164:2142-5, 1970 (Fre)
[Revivescence of homografts of nerves preserved in Cialit in dogs: preliminary study] Gignoux M, et al. Experientia 27:393-5, 15 Jan 71 (Fre)
[Preservation of an isolated heart for 48 hours by pulsatile perfusion with an artificial fluid at 4 degrees C] Suaudeau J, et al. J Chir (Paris) 100:527-38, Dec 70 (Fre)
[Tissue preservation] Binet JP. Laval Med 41:209, Feb 70 (Fre)
[Preservation of pig liver by hypothermia, perfusion, hyperbaric oxygen. I. Light and electron microscope study] Chomette G, et al. Pathol Biol (Paris) 19:459-72, May 71 (Fre)
[Preservation of pig liver by hypothermia, perfusion, hyperbaric oxygen. II. Histoenzymologic study] Périé G, et al. Pathol Biol (Paris) 19:473-88, May 71 (Fre)
[Technic of freezing of human bone marrow for later autograft. Preliminary results] Sultan C, et al. Pathol Biol (Paris) 18:1097-100, Dec 70 (Fre)
[Note on the course of functional death of the isolated lung left under ambient conditions] Martin-Lalande J, et al. Poumon Coeur 27:361-70, 1971 (Fre)
[Low-temperature preservation of the skin. Its use in the treatment of severe burns] Eygonnet JP, et al. Presse Med 78:1871-4, 17 Oct 70 (Fre)
[Use of Cialit skin in general and orthopedic surgery] Schneider S, et al. Rev Med Suisse Romande 91:423-8, Jun 71 (Fre)
[Organ preservation] Guttman FM, et al. Union Med Can 100:1331-8, Jul 71 (Fre)
[Stability of ATP during freeze substitution and fresh tissue incubation in the acid lead-containing medium] Halbhuber KJ, et al. Acta Histochem (Jena) 38:158-62, 1970 (Ger)
[Enzyme histochemical studies on cold-preserved tissue] Hecker D. Acta Histochem (Jena) 38:127-40, 1970 (Ger)
[Comparative studies on the behavior of homeoplastic, preserved in Cialit ear ossicles after implantation in the middle ear of guinea pigs and humans] Steinbach E, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:130-3, 1970 (Ger)
[Enzyme histochemical studies on the metabolism of preserved tympanic membrane-fascial homografts] Weidauer H, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:285-92, 1971 (Ger)
[Bone preservation and structural influences] Wellmitz G. Beitr Orthop Traumatol 17:62-7, Jan 70 (Ger)
[Fresh and lyophilized conjunctiva compared biochemically] Reim M, et al. Ber Dtsch Ophthalmol Ges 70:381-7, 1970 (Ger)
[Biochemical research on organ preservation] Herfarth C, et al. Bull Soc Int Chir 30:1-7, Jan-Feb 71 (Ger)
[Long term preservation of bone marrow by freezing at -196 degrees C] Lawrik S. Folia Haematol (Leipz) 94:261-3, 1970 (Ger)
[Experimental studies on bone transplantation with unchanged and denaturated bone substance. A contribution on causal osteogenesis] Schweiberer L. Hefte Unfallheilkd 103:1-70, 1970 (Ger)
[Conservation of corneal donor material for extensive keratoplasty] Mueller FO. Klin Monatsbl Augenheilkd 158:300-1, Feb 71 (Ger)
[Organ preservation using a heart-lung-machine] Bünte H. Langenbecks Arch Chir 322:1136-41, 1968 (Ger)
[Intrahepatic blockade in isolated heterologous liver perfusion] Černý J, et al. Langenbecks Arch Chir 322:1152-5, 1968 (Ger)
[Biochemical criteria in organ preservation] Herfarth C, et al. Langenbecks Arch Chir 322:1124-9, 1968 (Ger)
[Regional perfusion as a method for the determination of viability of extremities before reimplantation] Kowanov WW, et al. Langenbecks Arch Chir 322:1141-4, 1968 (Ger)
[Tissue preservation] Largiadèr F. Langenbecks Arch Chir 322:509-17, 1968 (Ger)
[Perfusion of homologous kidneys with nucleic acids of the receiver] Lemperle G, et al. Langenbecks Arch Chir 322:1163-8, 1968 (Ger)
[Preservation of kidney transplants] Vahlensieck W. Langenbecks Arch Chir 322:1133-6, 1968 (Ger)
[Prevention of primary hypoxic organ lesions in liver transplantation using appropiate perfusion technics with Hb-free perfusion solutions] Zimmermann WE, et al. Langenbecks Arch Chir 322:1145-51, 1968 (Ger)
[Peritoneal substitute with preserved dura] Seiffert KE, et al. Med Monatsschr 24:161-4, Apr 70 (Ger)
[Morphological studies on heterologous heart valve transplants under varying conditions of sterilization] Hehrlein FW, et al. Thoraxchirurgie 18:244-5, Jun 69 (Ger)
[Parabiotic perfusion for the assessment of the reanimability and for the vital conservation of the cadaver heart] Uhlschmid GK, et al. Thoraxchirurgie 18:523-7, Dec 70 (Ger)
[Hyperbaric organ preservation] Voss R, et al. Verh Dtsch Ges Pathol 54:145-50, 1970 (Ger)
[Studies on the preservation of bone marrow in refrigerator temperature] Krietsch P, et al. Z Gesamte Inn Med 26:145-8, 15 Feb 71 (Ger)
[Changes in the activity of various enzymes in sample material, a survey of the literature] Hoffmann H. Z Med Labortech 10:129-35, 1969 (52 ref.) (Ger)
[Preservation of pig liver for transplantation. Initial perfusion and simple hypothermia] Lie TS, et al. Zentralbl Chir 96:430-6, 27 Mar 71 (Ger)
[Renal autotransplantation. (Histoenzymologic findings on the long-term effect of temperature on kidney preservation in hypothermia for 24 hours)] Messinetti S, et al. Ann Ital Chir 45:1053-65, 1970 (Ita)
[Colorimetric evaluation of succino-dehydrogenase and transaminase activities in rat heart preserved in various experimental conditions] Frasson P, et al. Boll Soc Ital Biol Sper 46:572-6, 30 Jun 70 (Ita)
[Observations on the structure of the esophagus in preservation] Gremigni D. Boll Soc Ital Biol Sper 45:1529-30, 15 Dec 69 (Ita)
[Preliminary results of heterotransplants of fresh aortic valves of pigs] Manzoli FA, et al. Boll Soc Ital Biol Sper 45:1582-3, 31 Dec 69 (Ita)
[Preparation and preservation of heterotransplants of pig aortic valves] Pierangeli A, et al. Boll Soc Ital Biol Sper 45:1583-4, 31 Dec 69 (Ita)
[Histological and histochemical aspects of heterotransplants of pig aortic valves after preservation in formalin for 20 days] Turinetto B, et al. Boll Soc Ital Biol Sper 45:1585-6, 31 Dec 69 (Ita)
[Orthotopic homologous heart transplantation after a 12-hour preservation in vitro. (Experimental research on dog)] Virno F, et al. Bull Soc Int Chir 28:224-9, Mar-Apr 69 (Ita)
[Succinate dehydrogenase and transaminase activity in the normothermic, hypothermic and hyperbaric preservation of the rat hearts] Frasson P, et al. Chir Patol Sper 17:405-12, Dec 69 (Ita)
[Insular activity of the pancreas after extracorporeal preservation in hypothermia. Experimental studies]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Piancastelli A, et al.
Chir Patol Sper 17:282-92, Oct 69 (Ita)
[Histological and histochemical aspects of swine aortic valve transplants] Turinetto B, et al.
Chir Patol Sper 17:1-10, Feb 69 (Ita)
[On the effect of preservative mixtures on the motility of human and Bos taurus nematospermia] Giordano G.
Minerva Ginecol 21:909-13, 31 Jul 69 (Ita)
[On the surgical treatment of osseous cysts with refrigerated heteroplastic bone from calves] Barigazzi PD, et al.
Minerva Ortop 21:170-5, Mar 70 (Ita)
[Histological studies of the pancreas after extracorporeal preservation in hypothermia] Bordi C, et al. Riv Anat Patol Oncol 35:462-70, 1969 (Ita)
[Electromyographic views in preservation and transplantation of small bowels in dogs] Jonouchi H.
Jap J Smooth Muscle Res 6:270-89, Dec 70 (Jap)
[Advances in transplantology. Modern methods of kidney preservation] Jelińska S.
Pol Arch Med Wewn 46:253-6, Feb 71 (Pol)
[Use of homologous dura mater, preserved in glycerin, in the treatment of incisional hernia] Lex A, et al.
Rev Paul Med 77:123-8, Apr 71 (Por)
[Antigen composition of the adrenal gland before and during preservation by the flow method in Thyrode fluid] Kalimnik AM, et al.
Akush Ginekol (Mosk) 46:48-51, Feb 70 (Rus)
[Calorimetric study of the possibility of phase transformations in biological tissues at low temperatures] Andronikashvili EL, et al.
Biofizika 15:484-7, May-Jun 70 (Rus)
[Radioautographic study of DNA synthesis in cells of experimental brain tumors preserved at -78 degrees] Aniskina RI. Biull Eksp Biol Med 68:87-9, Sep 69 (Rus)
[Skin homografts treated with weak formaldehyde solutions] Feigel'man SS, et al.
Biull Eksp Biol Med 70:92-4, Aug 70 (Rus)
[Reaction of the tissue bed of the recipient during transplantation of allogeneic bone tissue preserved over different periods of time] Okuneva LM, et al.
Biull Eksp Biol Med 72:115-7, Jul 71 (Rus)
[Homotransplantation of bone tissue sterilized by formalin fumes] Timashkevich KD.
Biull Eksp Biol Med 67:108-11, Jun 69 (Rus)
[Immunomorphologic reactions during homotransplantation of preserved skin] Artsimovich NG, et al. Dokl Akad Nauk SSSR 195:472-4, 1970 (Rus)
[Experimental evaluation of bone transplants sterilized by different chemical agents] Savel'ev VI, et al. Eksp Khir Anesteziol 15:49-50, Nov-Dec 70 (Rus)
[The condition of the high-polymer DNA (HP-DNA) of embryonal hemopoietic tissue following preservation at low temperatures] Simonova LI, et al.
Izv Akad Nauk SSSR [Biol] 1:137-9, Jan-Feb 70 (Rus)
[Preservation and transplantation of cadaver kidneys with prolonged ischemia] Bolenko MV, et al.
Khirurgiia (Mosk) 22:23-32, Apr 69 (Rus)
[Use of gel-containing sterilizing media for transplant storage] Savel'ev VI, et al.
Khirurgiia (Mosk) 47:126-8, Jan 71 (Rus)
[Study of sex chromatin in human corneas preserved at a temperature of -45 degrees C] Panormova NV, et al.
Oftalmol Zh 26:125-9, 1971 (Rus)
[Use of homologous tissue sterilized with chemical reagents in ophthalmosurgery] Tomilova LI, et al.
Oftalmol Zh 25:456-7, 1970 (Rus)
[Effect of the length of time of preservation on the stability of the femoral bone] Shumada IV, et al.
Ortop Travmatol Protez 31:18-20, Oct 70 (Rus)
[Role of CITO in the problem of preservation and homotransplantation of tissue] Zatsepin ST, et al.
Ortop Travmatol Protez 32:62-7, Mar 71 (Rus)
[Effect of glycerin on the process of crystallization and recrystallization during freezing and thawing of bone marrow] Alekseeva LP.
Probl Gematol Pereliv Krovi 16:35-7, Jan 71 (Rus)
[Mechanism of the protective effect of polyethylene oxide on bone marrow cells during freezing to 196 degrees] Datsenko BM, et al.
Probl Gematol Pereliv Krovi 15:32-7, Nov 70 (Rus)
[Growth of primary embryo cultures following storage at low temperatures] Parkhomenko II.
Tsitologiia 12:1586-8, Dec 70 (Rus)
[Preservation of the vital capacity of isolated kidneys and livers of animals under conditions of extracorporeal normothermic perfusion] Margulis MS, et al. Vestn Khir 105:46-8, Jul 70 (Rus)
[Medium for dilution and storage of boar sperm (results of industrial trials)] Sliaeva MV.
Veterinariia 12:81-3, Dec 70 (Rus)
[Possibility of using diocid for sterilizing homotransplants] Suchkov VB, et al.
Voen Med Zh 8:80-1, Aug 70 (Rus)
[Determination of endothelial viability in penetrating keratoplastics. Its correlation with the postoperative results] Fernandez Meijide RE, et al.
Arch Oftalmol B Aires 45:457-63, Nov 70 (Spa)
[Organ transplantation] Quijano M.
Gac Med Mex 100:441-55, May 70 (Spa)
Clinical use of continuous perfusion in kidney preservation] Claes G, et al.
Nord Med 86:881-2, 22 Jul 71 (Swe)
[Hypotherm preservation of dog kidneys] Collste H, et al. Nord Med 86:920, 29 Jul 71 (Swe)
[Preservation of dog kidneys with continuous perfusion] Collste H, et al.
Nord Med 86:920, 29 Jul 71 (Swe)
[Conclusions of the round table discussion on homografts in otology] Marquet J.
Acta Otorhinolaryngol Belg 24:163-71, 1970 (Mul)
[Technic of the stabilized autoperfusion of the heart] Horecký J, et al. Rozhl Chir 50:148-57, Mar 71 (Slo)

ADVERSE EFFECTS

[Temperature measurements during cartilage imbedding in palacos] Lenz H, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:229-38, 30 Jul 71 (Ger)
[Sterilization methods in the preparation of homologous and heterologous cardiac valve grafts] Hehrlein FW.
Langenbecks Arch Chir 322:684-7, 1968 (Ger)
[A method for the estimation of damage due to preservation and sterilization in homologous and heterologous transplants of heart valves and dura mater] Haas H, et al.
Z Klin Chem Klin Biochem 8:218-20, May 70 (Ger)

INSTRUMENTATION

Studies on the new organ preservation device for uterus and placenta. Tojo S, et al.
Acta Obstet Gynaecol Jap 17:263-73, Oct 70
The development of a transportable, experimental, liver-preservation apparatus. Hinchliffe A, et al.
Br J Surg 57:853, Nov 70
Preliminary results with a new renal preservation unit. Hesse VE, et al. Cryobiology 7:174-8, Sep-Oct 70
Silastic oxygenator and perfusion system for canine liver and kidney preservation. Turner MD, et al.
Cryobiology 7:51-5, Jul-Aug 70
A liquid-liquid oxygenator utilizing oxygen-saturated inert fluorocarbon for organ perfusion-preservation. Pitzele S, et al. Surgery 68:1079-86, Dec 70
[Container for transporting bone marrow] Mikhailov VG, et al.
Probl Gematol Pereliv Krovi 15:55-7, Jul 70 (Rus)
[Transport box for donor kidneys] Frödin L, et al.
Lakartidningen 68:3281, 14 Jul 71 (Swe)

TISSUE THERAPY (E2)

Growth of an allogeneic tumor in lethally irradiated mice treated with sensitized and unsensitized spleen cells. Riches AC, et al. Radiat Res 44:87-96, Oct 70
[Results of substitutive therapy of the vitreous body in children] Eşanu I, et al.
Bull Mem Soc Fr Ophtalmol 82:186-90, 1969 (Fre)
[Results of our initial trial of injection of despecified vitreous of animal origin in treatment of retinal detachment] Perdriel G, et al.
Bull Soc Ophtalmol Fr 69:76-9, Jan 69 (Fre)
[Filatov's tissue therapy. V. Results and evaluation of Filatov's tissue therapy in the last 16 years in ophthalmology based on the world literature] Freytag A.
Klin Monatsbl Augenheilkd 156:437-46, Mar 70 (131 ref.) (Ger)
[The treatment of hepatic coma with heterologous perfusion of pig's liver] Schwemmle K.
Munch Med Wochenschr 113:519-23, 2 Apr 71 (Ger)
[Cryografts in the therapy of malignant tumors] Innocenzi A, et al. Minerva Chir 26:24-8, 15 Jan 71 (Ita)
[Application of V.P. Filatov's method of tissue therapy] Marton D, et al.
Vestn Oftalmol 2:78-9, 1971 (Rus)

VETERINARY

[Experience in the use of agar-tissue preparations] Boldyrev DN, et al. Veterinariia 9:95, Sep 70 (Rus)

TISSUE TYPING see under HISTOCOMPATIBILITY

TESTING (E5)

TITANIUM (D1)

Titanium as an encasement for cobalt 60 with special reference to a pneumatic afterloading therapy unit. Breed JE, et al.
Am J Roentgenol Radium Ther Nucl Med 111:401-4, Feb 71
The use of cobalt chromium alloy and titanium endosseous dental implants. Harris R, et al.
Aust Dent J 16:94-108, Apr 71
Particle fragmentation generated in pump sets. Boretos JW, et al. J Biomed Mater Res 5:411-2, Jul 71
Preliminary evaluation of porous metal surfaced titanium for orthopedic implants. Hahn H, et al.
J Biomed Mater Res 4:571-7, Dec 70
Sintered fiber metal composites as a basis for attachment of implants to bone. Galante J, et al.
J Bone Joint Surg [Am] 53:101-14, Jan 71
[Comparative characteristics of the changes in bone tissue during osteosynthesis of open fractures using titanium and stainless steel nails] Tateosov GI, et al.
Vestn Khir 105:60-3, Oct 70 (Rus)

BLOOD

[Blood level dynamics of copper, titanium and chromium in patients with ischemic heart disease] Mozhaftseva AG. Kardiologiia 10:147-8, Sep 70 (Rus)
[Content of silicon, aluminum, titanium in blood in normal pregnancy and threatened abortion] Priakhina LI.
Pediatr Akush Ginekol 1:35-7, Jan-Feb 71 (Ukr)

METABOLISM

Papain-induced emphysema and the elimination of TiO2 particulates from the lungs. Ferin J.
Am Ind Hyg Assoc J 32:157-62, Mar 71

POISONING

[Study on pneumoconiosis caused by hard metals] Capellini A, et al. Med Lav 61:290-301, May 70 (Ita)

RADIATION EFFECTS

[On the degassing at low temperature of titanium targets impregnated with hydrogen isotopes] Germai G, et al. Int J Appl Radiat Isot 21:595-8, Oct 70 (Fre)

TNT see TRINITROTOLUENE (D2)

TOADS (B2)

The effects of iproniazid upon brain size and larval behavior of developing Xenopus laevis. Baker PC, et al. Acta Embryol Exp (Palermo) 1:3-8, 1971
An histochemical investigation of acid phosphatase activity in the pronephros of the developing Xenopus laevis tadpole. Goldin G, et al.
Acta Embryol Exp (Palermo) 1:31-9, 1971
Short-circuit current and active Na transport across isolated lens of the toad. Candia OA, et al.
Am J Physiol 220:558-64, Feb 71
Effect of inhibitors of sodium transport on response of toad bladder to ADH and cyclic AMP. Mendoza SA, et al. Am J Physiol 219:1440-5, Nov 70
Ascorbic acid and delta-5-3-beta-hydroxysteroid dehydrogenase in toad testis after carbon tetrachloride intoxication. Biswas NM, et al.
Anat Anz 128:101-4, 1971
Sodium transport and anesthetic requirements in the toad. Andersen NB, et al.
Anesthesiology 34:338-43, Apr 71
The effect of oxygen on minimal anesthetic requirements in the toad. Shim CY, et al.
Anesthesiology 34:333-7, Apr 71
The development of locomotory mechanisms in Bufo regularis. Gideiri YB. Behaviour 38:121-31, 1971
Studies on amphibian yolk. IX. Xenopus vitellogenin. Wallace RA.
Biochim Biophys Acta 215:176-83, 21 Jul 70
Biochemical studies on the eyes of the toad Bufo marinus Ictericus. Jorge FB de, et al.
Comp Biochem Physiol 35:125-43, 1 Jul 70
Immunoglobulin classes of the clawed toad, Xenopus laevis. Marchalonis JJ, et al.
Comp Biochem Physiol 35:49-56, 1 Jul 70
Reflex response changes of the toad spinal cord to variations in temperature and pH. Tebécis AK, et al.
Comp Biochem Physiol 25:1035-47, Jun 68
Comparative immunology: the hemolytic complement system of the anuran amphibian, Bufo marinus. Weinheimer PF, et al.
Comp Biochem Physiol 38:483-8, 1 Mar 71
Clarification of alleged "cytologically verified" hybrids between a toad and a frog. Volpe EP, et al.
Cytogenetics 9:161-72, 1970
A molecular approach to fertilization. I. Disulfide bonds in Xenopus laevis jelly coat and a molecular hypothesis for fertilization. Gusseck DJ, et al.
Dev Biol 25:337-47, Jul 71
A molecular approach to fertilization. II. Viability and artificial fertilization of Xenopus laevis gametes. Wolf DP, et al. Dev Biol 25:348-59, Jul 71
A molecular approach to fertilization. 3. Development of a bioassay for sperm capacitation. Wolf DP, et al.
Dev Biol 25:360-76, Jul 71
Isolation and structure of bombesin and alytesin, 2 analogous active peptides from the skin of the European amphibians Bombina and Alytes. Anastasi A, et al. Experientia 27:166-7, 15 Feb 71
Contractile responses at the surface of an amphibian egg. Gingell D.
J Embryol Exp Morphol 23:583-609, Jun 70
The relationship between cleavage and blastocoel formation in Xenopus laevis. I. Light microscopic observations. Kalt MR.
J Embryol Exp Morphol 26:37-49, Aug 71
The growth of the retina in Xenopus laevis: an autoradiographic study. Straznicky K, et al.
J Embryol Exp Morphol 26:67-79, Aug 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The role of the lateral-line efferent system in Xenopus laevis. Russell IJ. J Exp Biol 54:621-41, Jun 71
The pharmacology of efferent synapses in the lateral-line system of Xenopus laevis. Russell IJ. J Exp Biol 54:643-58, Jun 71
Transcription of the ribosomal RNA genes of an amphibian by the RNA polymerase of a bacterium. Reeder RH, et al. J Mol Biol 51:361-77, 28 Jul 70
Transmission of an amphibian lymphosarcoma to and through insects. Nayar KK, et al. Oncology 24:370-7, 1970
A possible behavioral correlate of delayed retinal discharge in anurans. Ingle D. Vision Res 11:167-8, Feb 71
[Origin and heredity of the mutation "rusty" (ry) of the Batrachian anuran Xenopus laevis (Daudin)] Uehlinger V, et al. Arch Julius Klaus Stift Vererbungsforsch 44:48-54, 1969 (Fre)
[Preliminary observations on structure and ultrastructure of the frontal organ of Alytes obstetricians Laur. at the beginning of metamorphosis] Volle G. C R Acad Sci [D] (Paris) 271:1007-10, 21 Sep 70 (Fre)
[A recessive lethal mutation, "bt" (bent tail) in Xenopus laevis Daudin] Droin A, et al. Rev Suisse Zool 77:596-603, Sep 70 (Fre)
[Structure of bufotoxine] Linde-Tempel HO. Helv Chim Acta 53:2188-96, 1970 (Ger)
[Autoradiographic studies of the early effect of thyroxine on RNA synthesis in the brain of Xenopus larvae] Stadler H, et al. Rev Suisse Zool 77:587-96, Sep 70 (Ger)
[The ultrastructure of the adenohypophysis in the toad, Bufo bufo L. II. On the formtion of glycoprotein containing cells of type II (perivascular basophils) after thyroidectomy] Mira-Moser F. Z Zellforsch Mikrosk Anat 112:266-96, 1971 (Ger)
[Seasonal changes of calcemia in normal toads, after removal of the prepericardic body and treatment with calcitonin. Preliminary results] Dore B, et al. Boll Soc Ital Biol Sper 45:1413-5, 30 Nov 69 (Ita)
[Ketosteroids in the prepericardic body of Bufo bufo] Dore B, et al. Boll Soc Ital Biol Sper 47:136-8, 15 Mar 71 (Ita)
[Submicroscopic characteristics of peripheral blood elements] Khamidov DKh, et al. Arkh Anat Gistol Embriol 60:47-52, Jan 71 (Rus)
[Survival of xenoplastic transplants in anurous amphibia by treatment with semicarbazide] Alonso M, et al. Rev Esp Fisiol 26:331-4, Dec 70 (Spa)

ANATOMY & HISTOLOGY

Characterization of an unusual catecholamine-containing cell type in the toad hypothalamus. A correlated ultrastructural and fluorescence histochemical study. McKenna OC, et al. J Cell Biol 48:650-72, Mar 71
Tubular structure within the granular endoplasmic reticulum of the pars intermedia of toad hypophysis. Valeri V, et al. J Ultrastruct Res 35:197-200, Apr 71
The morphology of the toad urinary bladder: a stereoscopic and transmission electron microscopical study. Ferguson DR, et al. Z Zellforsch Mikrosk Anat 109:297-305, 1970
[Experimental histophysiology of thyrotropic function in the toad Bufo bufo L] Mira-Moser F. Arch Anat Histol Embryol (Strasb) 52:87-182, 1969 (Fre)
[Granular networks in the cells of Bidder's organ in Bufo bufo L] Sentein P, et al. Z Zellforsch Mikrosk Anat 109:101-11, 1970 (Fre)

CYTOLOGY

Yolk-platelet formation in oocytes of Xenopus laevis (Daudin). Spornitz UM, et al. Z Zellforsch Mikrosk Anat 117:235-51, 1971

DRUG EFFECTS

The kinetics of sodium transport in the toad bladder. II. Dual effects of vasopressin. Finn AL. J Gen Physiol 57:349-62, Mar 71

EMBRYOLOGY

Analysis of detergent extracts of developing Xenopus laevis by microelectrophoresis. Baker PC. Acta Embryol Exp (Palermo) 3:221-6, 1970
An histochemical investigation of acid phosphatase activity in the pronephros of the developing Xenopus laevis tadpole. Goldin G, et al. Acta Embryol Exp (Palermo) 1:31-9, 1971
On the development of the blood island in Xenopus laevis embryos: light and electron microscope study. Mangia F, et al. Acta Embryol Exp (Palermo) 2:163-84, 1970
Cilia in cloaca and hind gut of Xenopus larvae seen by electron microscopy. Fox H. Arch Biol (Liege) 81:1-20, 1970
Aspects of the ultrastructure of the alimentary canal and associated glands of the Xenopus laevis larva. Fox H, et al. Arch Biol (Liege) 81:21-50, 1970
Differential growth of the neural retina in Xenopus laevis larvae. Hollyfield JG. Dev Biol 24:264-86, Feb 71
Fine structure of the nucleolus in normal and mutant Xenopus embryos. Hay ED, et al. J Cell Sci 2:151-62, Jun 67
The lateral line system at metamorphosis in Xenopus laevis (Daudin). Sheiton PM. J Embryol Exp Morphol 24:511-24, Nov 70
Melanogenesis in amphibians. 3. The buoyant density of oocyte and larval xenopus laevis melanosomes and the isolation of oocyte melanosomes from the eyes of PTU-treated larvae. Eppig JJ Jr. J Exp Zool 175:467-75, Dec 70
[Biochemical studies on cogenesis. I. RNA synthesis and accumulation during cogenesis of the South African toad Xenopus laevis] Mairy M, et al. Dev Biol 24:143-65, Feb 71 (Fre)
[The pituitary of Nectophrynoides occidentalis during embryonic development] Zuber-Vogeli M, et al. Gen Comp Endocrinol 16:200-16, Apr 71 (Fre)
[Radioautographic studies on the incorporation of 35S into acid mucopolysaccharide in the wolffian body of the toad] Jonas L, et al. Acta Histochem (Jena) 39:268-72, 1971 (Ger)
[The action of prolactin on thyroidectomized larvae of Bufo bufo] Campantico E, et al. Boll Soc Ital Biol Sper 47:133-6, 15 Mar 71 (Ita)
[Early appearance of arginase activity in the liver of Bufo bufo larvae treated with prolactin] Olivero M, et al. Boll Soc Ital Biol Sper 45:1411-3, 30 Nov 69 (Ita)

ENZYMOLOGY

Testicular dehydrogenases in toads after malonate treatment. Dey SK, et al. Acta Histochem (Jena) 39:252-6, 1971
Adenyl cyclase in the toad bladder. Hynie S, et al. Biochim Biophys Acta 230:40-51, 26 Jan 71

GROWTH & DEVELOPMENT

A study of the regenerative capacity of the central nervous system of anuran amphibia in relation to their stage of development. I. Observations on the regeneration of the optic lobe of Xenopus laevis (Daudin) in the larval stages. Filoni S, et al. Arch Biol (Liege) 80:369-411, 1969
Hind limb histogenesis and regeneration in larvae and metamorphic stages of the Egyptian toad, Bufo regularis Reuss. I. Transection at the thigh level. Michael MI, et al. Arch Biol (Liege) 80:299-326, 1969
Multiple forms of monoamine oxidase in developing Xenopus. Baker PC. Experientia 27:245-6, 15 Mar 71
Comparative effects of mammalian prolactin and growth hormone on growth in the toads Bufo boreas and Bufo marinus. Zipser RD, et al. Gen Comp Endocrinol 13:382-91, Dec 69
Ultrastructure of diploid and haploid cells of Xenopus laevis larvae. Fox H, et al. J Embryol Exp Morphol 26:81-98, Aug 71
Optic nerve fibre counts and retinal ganglion cell counts during development of Xenopus laevis (Daudin). Wilson MA. Q J Exp Physiol 56:83-91, Apr 71
[Influence of grouping on the growth and metamorphosis of the obstetrician toad: Alytes obstetricans Laur. Demonstration of a group effect] Guyetant R. C R Acad Sci [D] (Paris) 271:2385-8, 21 Dec 70 (Fre)
[Cytospectrophotometric observations on the embryonic, larval and metamorphotic blood elements in Bufo bufo] Salvatorelli G, et al. C R Acad Sci [D] (Paris) 272:1032-5, 15 Feb 71 (Fre)

IMMUNOLOGY

Ontogeny of the immune response in animals having less than one million lymphocytes: the larvae of the toad Alytes obstetricans. Du Pasquier L. Immunology 19:353-62, Aug 70
Studies on Xenopus laevis immunoglobulins. Hadji-Azimi I. Immunology 21:463-73, Sep 71
Primary and secondary immune responses of the marine toad (Bufo marinus) to bacteriophage f2. Lin HH, et al. Immunology 20:373-80, Mar 71
The influence of colloidal carbon on hemagglutinin production in the toad, Xenopus laevis. Turner RJ. J Reticuloendothel Soc 8:434-45, Nov 70
Tolerance to a protein antigen in a poikilotherm, the marine toad Bufo marinus. Marchalonis JJ, et al. Nature (Lond) 231:321-2, 4 Jun 71
Antibody production without reactive proliferation of pyroninophilic cells in rainbow trout and African clawed toad. Mitsuhashi S, et al. Tohoku J Exp Med 103:7-10, Jan 71

METABOLISM

Mode of action of propionate in toad bladder. Singer I, et al. Am J Physiol 219:1273-8, Nov 70
Biochemical studies on the energetics of Bufo arenarum segmenting eggs. Salomon de Legname H. Arch Biol (Liege) 80:471-90, 1969
Topographic correspondence among electrographic pattern, water and electrolytes in the toad brain. Segura ET, et al. Comp Biochem Physiol 38:655-61, 1 Mar 71
In vivo and in vitro studies on the oxidation of ascorbic acid to dehydroascorbic acid in the testis of toad. Biswas NM. Endokrinologie 57:145-7, 1971
Oestrogen biosynthesis by ovarian tissue of the South African clawed toad, Xenopus laevis Daudin. Redshaw MR, et al. Gen Comp Endocrinol 16:85-96, Feb 71
Changes in the rate of incorporation of (H3)leucine in the pars intermedia of Xenopus laevis at early times after change of background colour. Whur P, et al. J Endocrinol 49:xxiv-xxv, Mar 71
Composition and structure of chromosomal and amplified ribosomal DNA's of Xenopus laevis. Dawid IB, et al. J Mol Biol 51:341-60, 28 Jul 70
Putrescine and spermidine biosynthesis in the development of normal and anucleolate mutants of Xenopus laevis. Russell DH. Proc Natl Acad Sci USA 68:523-7, Mar 71
[Endocrine activity of the ovary of Nectophrynoides occidentalis Angel (viviparous anuran amphibian). II. In vitro synthesis of steroids] Xavier F, et al. Gen Comp Endocrinol 16:30-40, Feb 71 (Fre)
[Autoradiographic study on the early effects of thyroxine on RNA-synthesis in various tissues of Xenopus-larvae] Stadler H. Z Zellforsch Mikrosk Anat 117:118-38, 1971 (Ger)

PHYSIOLOGY

Histochemical changes in the testes of heat-exposed toad. Biswas NM. Acta Histochem (Jena) 37:363-8, 1970
Effect of aldosterone on electrical resistance of toad bladder. Civan MM, et al. Am J Physiol 220:334-8, Feb 71
Changes in the melanophorotropic function of the pituitary gland accompanying blindness in Xenopus laevis daudin. Imai K, et al. Dev Growth Differ (Nagoya) 12:253-64, Feb 71
Morpho-functional study of hypothalamic neurosecretion. IV. The effect of osmotic stress on the preoptico-neurohypophysial system of Rana esculenta, Rana temporaria, and Xenopus laevis. Srebro Z. Folia Biol (Krakow) 18:231-5, 1970
The involvement of catecholamines in the dispersion reaction of the melanophores of Xenopus laevis in vivo. Brouwer E. Gen Comp Endocrinol 15:264-71, Oct 70
The distribution and development of gonadotropic activity in the pituitary of Xenopus laevis. Evennett PJ, et al. Gen Comp Endocrinol 16:606-7, Jun 71
Response of immature gonads of Ceratophrys ornata to FSH. Pisanó A, et al. Gen Comp Endocrinol 16:176-82, Apr 71
Anuran feeding after hypophysectomy. Schmidt RS. Gen Comp Endocrinol 17:149-51, Aug 71
Effects of castration on brain electrogram of the female toad Bufo arenarum Hensel. Segura ET, et al. Gen Comp Endocrinol 16:296-303, Apr 71
A bioassay for progesterone and gonadotropins based on the meiotic division of Xenopus oocytes in vitro. Thornton VF. Gen Comp Endocrinol 16:599-605, Jun 71
Endocrine control of oocyte maturation and oviducal jelly release in the toad, Bufo bufo (L.). Thornton VF, et al. Gen Comp Endocrinol 13:268-74, Oct 69
Plasma specific gravity, blood coagulation & erythrocyte sedimentation rate in toad, Bufo melanostictus, during hibernation & nonhibernation. Boral MC, et al. Indian J Exp Biol 8:144-5, Apr 70
The significance of cutaneous respiration in Bufo regularis Reuss. Cloudsley-Thompson JL. Int J Biometeorol 14:361-4, Dec 70
Interspecific relationships of oviducal materials as related to fertilization in amphibia. Shaver JR, et al. J Embryol Exp Morphol 24:209-25, Aug 70
Effects of vasopressin, cyclic AMP, and theophylline on oxygen consumption of toad bladder "sacs". Parisi M, et al. J Endocrinol 48:117-24, Sep 70
The effects of change of background colour on the rate of [3H]leucine incorporation and total melanocyte-stimulating hormone content of the pars intermedia of Xenopus laevis. Thornton VF, et al. J Endocrinol 48:xxv-xxvi, Sep 70
Effects of change of background colour on the ultrastructure of the 'MSH cells' of the pars intermedia of Xenopus laevis. Weatherhead B, et al. J Endocrinol 49:xxv-xxvi, Mar 71
Mechanics of sound production in toads of the genus Bufo: passive elements. Martin WF. J Exp Zool 176:273-93, Mar 71
The kinetics of sodium transport in the toad bladder. I. Determination of the transport pool. Finn AL, et al. J Gen Physiol 57:336-48, Mar 71
Path of bulk water movement through the urinary bladder of the toad. Civan MM. J Theor Biol 27:387-91, Jun 70
In vitro demonstration of potassium excretion by the toad bladder. Kallus FT, et al. Proc Soc Exp Biol Med 136:1245-8, Apr 71
[Experimental histophysiology of thyrotropic function in the toad Bufo bufo L] Mira-Moser F.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Arch Anat Histol Embryol (Strasb) 52:87-182, 1969 (Fre)
[Action of goitrogens on tadpoles of the toad, Bufo bufo L] Mira-Moser F.
Arch Anat Histol Embryol (Strasb) 52:313 passim, 1969 (Fre)

TOADSTOOLS see under MUSHROOMS (B5)

TOBACCO (B6)

see also related
SMOKING (F1)

see also specific
NICOTINE (D2, D5)

Studies on the effect of constant magnetic field on tobacco mosaic virus synthesis in tobacco leaves. Maj Z, et al. Acta Microbiol Pol [A] 2:143-8, 1970
Colour vision in tobacco amblyopia. Chisholm IA, et al. Acta Ophthalmol (Kbh) 48:1145-56, 1970
Reduction of cigarette smoke ciliotoxicity by certain tobacco additives. Dalhamn T, et al. Am Rev Resp Dis 103:855-7, Jun 71
Mycotoxins other than aflatoxins: tumor-producing potential and possible relation to human disease. Louria DB, et al. Ann NY Acad Sci 174:583-91, 30 Oct 70
The effects of exposure to chewing tobacco on the oral mucosa of monkey and man. A histological and ultrastructural study. Cohen B, et al. Ann R Coll Surg Engl 48:255-73, May 71
Fungi isolated from flue-cured tobacco inoculated in the field with storage fungi. Welty RE. Appl Microbiol 21:552-4, Mar 71
In vivo and in vitro ciliotoxic effects of tobacco smoke. Dalhamn T. Arch Environ Health 21:633-4, Nov 70
Snuff-dipper's lesion. A cytological and pathological study in a large population. Smith JF, et al. Arch Otolaryngol 92:450-6, Nov 70
Mechanical irritation, polycyclic hydrocarbons, and snuff. Effects on facial skin, cheek pouch, and oral mucosa in Syrian hamsters. Homburger F. Arch Pathol 91:411-7, May 71
The effects of betel-nut chewing on the buccal mucosa of 296 Indians and Malays in West Malaysia. A clinical study. Chin CT, et al. Br J Cancer 24:427-32, Sep 70
The effect of the age of mice on the incidence of skin cancer. Lee PN, et al. Br J Cancer 24:849-52, Dec 70
The mechanism of carcinogenesis by the neutral fraction of cigarette smoke condensate. Roe FJ, et al. Br J Cancer 24:788-806, Dec 70
The epidermis and the respiratory tract as bioassay systems in tobacco carcinogenesis. Wynder EL, et al. Br J Cancer 24:574-87, Sep 70
Review of attempts to induce lung cancer in experimental animals by tobacco smoke. Shabad LM. Cancer 27:51-5, Jan 71 (21 ref.)
Regulation of phenotypic expression in crown-gall teratoma tissues of tobacco. Meins F Jr. Dev Biol 24:287-300, Feb 71
A tobacco related epidemic of congenital limb deformities in swine. Menges RW, et al. Environ Res 3:285-302, Nov 70
Experimental investigations on the microclimate of tobacco fermentation chambers. II. Histochemical changes in the adenosintriphosphatase and succinedehydrogenase activity in the cerebrum of rabbits. Dragiev M, et al. Folia Med (Plovdiv) 12:136-41, 1970
Experimental investigations on the microclimate of tobacco fermentation chambers. IV. Histochemical changes in the catecholamines of the medullar part of the suprarenals in rabbits. Ivančev V, et al. Folia Med (Plovdiv) 11:388-92, 1969
Ben Jonson's tawney weed. Food Cosmet Toxicol 8:570-5, Oct 70
Ultrastructure of human oral mucosa after prolonged exposure to tobacco. Luthra UK, et al. Indian J Med Res 59:157-62, Jan 71
Cytological and histological studies of the hamster cheek pouch treated with crude Mainpuri tobacco: a preliminary report. Luthra UK, et al. Indian J Med Res 58:586-95, May 70
The clinical effects of tobacco on oral tissue. Christen AG. J Am Dent Assoc 81:1378-82, Dec 70
Effects of smoke on tolerance of rats to hypoxia. Altland PD, et al. J Appl Physiol 30:352-7, Mar 71
Tobacco cropper's sickness. Weizenecker R, et al. J Fla Med Assoc 57:13-4, Dec 70
Serological relationship of strains of tobacco necrosis virus and their ability to activate strains of satellite virus. Kassanis B, et al. J Gen Virol 9:119-26, Nov 70
Quinuclidine analogs of tobacco alkaloids. Reed FD, et al. J Med Chem 14:554-6, Jun 71
Cigarette smoke carcinogenesis: importance of tumor promoters. Van Duuren BL, et al. J Natl Cancer Inst 47:235-40, Jul 71
A rapid screen for carcinogenic properties of tobacco condensate. Healey P, et al. J Pathol 101:P18-9, Aug 70
Different smoking risks of flue-cured and air-cured tobaccos. Passey RD, et al. J Pathol 101:P18, Aug 70
Words of warning. Lancet 1:638, 27 Mar 71
Studies on the 'frog eye' disease of tobacco (Nicotiana tabacum L.) in Nigeria. Alasoadura SO, et al. Mycopathol Mycol Appl 42:177-85, 28 Dec 70
Mycological flora of cigarettes. Papavassiliou J, et al. Mycopathol Mycol Appl 44:117-20, 3 May 71
Cigarette taxes to finance cancer research. Weisburger JH. N Engl J Med 284:558, 11 Mar 71
Possible teratogenic effect of cigarette smoking. Alberman ED, et al. Nature (Lond) 231:529-30, 25 Jun 71
Short term test for evaluating potential carcinogenic activity of tobacco condensates. Healey P, et al. Nature (Lond) 228:1006, 5 Dec 70
Carcinogenic effect of a dimethyl sulphoxide extract of betel nut on the mucosa of the hamster buccal pouch. Suri K, et al. Nature (Lond) 230:383-4, 9 Apr 71
Differential effects of nicotine and tobacco smoke alkaloids on swimming endurance in the rat. Bättig K. Psychopharmacologia 18:300-4, 1970
The effect of nicotine and total alkaloids extracted from cigarette smoke on avoidance behavior in rats under extinction procedure. Driscoll P, et al. Psychopharmacologia 18:305-13, 1970
A differential extraction method for the isolation of host nucleic acids from TMV-infected tobacco plants. Bagi G, et al. Virology 42:662-7, Nov 70
Growth curve and yield of tobacco mosaic virus in tobacco callus cells. Murakishi HH, et al. Virology 43:62-8, Jan 71
Conditioning of local lesion formation by a brief heat or cold treatment of leaves systemically infected with TMV. Shimomura T, et al. Virology 43:531-2, Feb 71
[Thermal transfer and recrudescence of synthesis of tobacco mosaic virus in the Nicotiana tabacum var. Samsun] Cabanne F, et al. C R Acad Sci [D] (Paris) 271:1599-602, 28 Oct 70 (Fre)
[Experimental research on the microclimate of tobacco fermentation chambers. I. Morphological changes in internal organs and the nervous system in rabbits] Badžkov S, et al. Folia Med (Plovdiv) 12:25-31, 1970 (Fre)
[Tobacco market further increased] Dtsch Med Wochenschr 95:2101, 9 Oct 70 (Ger)
[Histological aspects of the oculo-lacrimal apparatus of guinea pigs exposed to chronic tobacco poisoning] Ronchieri M. Atti Accad Fisiocrit Siena [Med Fis] 17:613-34, 1968 (Ita)
[Tobacco in religious beliefs and ceremonies as well as magic and primitive medicine] Markiewicz K. Pol Tyg Lek 26:191-3, 1 Feb 71 (Pol)
[On the technology of tobacco products and the incidence of pulmonary cancer] Rokicki W. Przegl Lek 27:311-3, 1971 (Pol)
[Neurologic and similar diseases in workers and employees of the tobacco processing factory in the town of Plovdiv] Mitkov V, et al. Folia Med (Plovdiv) 11:397-404, 1969 (Rus)
[Effect of toxic substances formed during tobacco fermentation on the adenosinetriphosphatase and succinate dehydrogenase activity of rabbit liver, kidney, heart and brain] Dragiev M, et al. Gig Tr Prof Zabol 15:32-5, 1971 (Rus)
[Tobacco and coronary cardiopathy. Its action in the long-term development in the patient who has suffered a myocardial infarct] Paras Chavero E, et al. Arch Inst Cardiol Mex 40:128-34, Mar-Apr 70 (Spa)
[Effect of culture liquid of some yeasts on potato X-virus in tobacco plants] Kovalenko AG. Mikrobiol Zh 31:519-24, Sep-Oct 69 (Ukr)

ANALYSIS

Systematic studies on the breakdown of p,p'-DDT in tobacco smokes. II. Isolation and identification of degradation products from the pyrolysis of p,p'-DDT in a nitrogen atmosphere. Chopra NM, et al. Anal Chem 43:849-53, Jun 71
Carcinoma of the maxillary antrum and its relationship to trace metal content of snuff. Baumslag N, et al. Arch Environ Health 23:1-5, Jul 71
A study of tobacco carcinogenesis. XI. Tumor initiators, tumor accelerators, and tumor promoting activity of condensate fractions. Hoffmann D, et al. Cancer 27:848-64, Apr 71
The thorium-series in cigarettes and lungs of smokers. Joyet G. Experientia 27:85-9, 15 Jan 71
Variation in sterols, alkaloids, and polyphenols of two Nicotiana varieties under different nitrogen fertilization and drying processes. Grunwald C, et al. J Agric Food Chem 19:216-21, Mar-Apr 71
Alkaloid and nitrate nitrogen concentration of two isogenic strains of burley tobacco. Sims JL, et al. J Agric Food Chem 18:381-4, May-Jun 70
Composition studies on tobacco. XLIV. Tumor-promoting activity of subfractions of the weak acid fraction of cigarette smoke condensate. Bock FG, et al. J Natl Cancer Inst 47:429-36, Aug 71
Free radicals in tobacco smoke. Bluhm AL, et al. Nature (Lond) 229:500, 12 Feb 71
[Tobacco mosaic virus and polyphenols as naturally occurring carcinogens in tobacco] Chýle P, et al. Cas Lek Cesk 110:189-90, Feb 71 (Cze)
[Tobacco mosaic virus, polyphenols and the carcinogenicity of the tobacco habit] Chýle P, et al. Cesk Epidemiol Mikrobiol Imunol 20:32-42, Jan 71 (Cze)
[Chromatography of nucleic acids of healthy tobacco and tobacco infected by various viruses on a hydroxyapatite column] Pinck L. Bull Soc Chim Biol (Paris) 52:843-55, 1970 (Fre)
[Hypersensitivity to viruses, temperature and soluble proteins in Nicotiana Xanthi n.c. Appearance of new macromolecules at the repression of viral synthesis] Gianinazzi S, et al. C R Acad Sci [D] (Paris) 270:2383-6, 11 May 70 (Fre)
[Radioactive factor in tobacco smoke] Nikolova ME. Gig Sanit 35:89-93, Aug 70 (Rus)

CYTOLOGY

An unusual inclusion in plants infected with a tobacco mosaic virus mutant. Kassanis B, et al. J Gen Virol 11:193-5, Jun 71
Sieve element pores in Nicotiana pith culture. Anderson R, et al. J Ultrastruct Res 32:458-71, Sep 70
[Isolation and characterization of various membrane fractions type active in the synthesis in vitro of squalene and obtained from anergic tissue cultures of tobacco] Ferne M, et al. C R Acad Sci [D] (Paris) 272:2385-8, 3 May 71 (Fre)
[The endoplasmic reticulum in phase contrast microscopy. (Nicotiana tabacum, tissue culture cells)] Uri W. Sb Ved Pr Lek Fak Karlovy Univ 13:309-12, 1970 (Ger)

DRUG EFFECTS

Effect of cigarette smoke on the cardiovascular system in dogs. Bhagat B, et al. Proc Soc Exp Biol Med 137:969-72, Jul 71

ENZYMOLOGY

Reversible cold inactivation and heat reactivation of RuDP carboxylase activity of crystallized tobacco fraction I protein. Kawashima N, et al. Biochem Biophys Res Commun 42:664-8, 19 Feb 71
Studies on fraction-I protein. 3. Comparison of the primary structure of the large and small subunits obtained from five species of Nicotiana. Kawashima N, et al. Biochim Biophys Acta 236:578-86, 29 Jun 71
Oxidase activities during the hypersensitive reaction of Nicotiana xanthi to tobacco mosaic virus. Cabanne F, et al. J Gen Virol 11:119-22, May 71
Ontogeny and hormonal control of polyphenoloxidase isozymes in tobacco pith. Stafford HA, et al. Plant Physiol 46:763-7, Dec 70

GROWTH & DEVELOPMENT

Phloem differentiation in tobacco pith culture. Cronshaw J, et al. J Ultrastruct Res 34:244-59, Feb 71

IMMUNOLOGY

A preliminary investigation of some immunologic aspects of tobacco use. Wray BB. Am Rev Resp Dis 102:989, Dec 70

METABOLISM

Proteins in tobacco mosaic virus-infected tobacco plants. Zaitlin M, et al. Biochem Biophys Res Commun 39:1031-6, 1970
[Endogenous formation of polycyclic hydrocarbons in higher plants. 8. Carcinogenic hydrocarbons in the human environment] Grimmer G, et al. Z Naturforsch [B] 25:1171-5, Oct 70 (Ger)

RADIATION EFFECTS

[Growth, survival and ascorbic acid levels in normal and tumor tissue cultures of tobacco after gamma-irradiation] Rénnért A, et al. Radiobiologia 10:580-3, Jul-Aug 70 (Rus)

TOBACCO MOSAIC VIRUS (B4)

Reconstitution of viruses. Fraenkel-Conrat H. Annu Rev Microbiol 24:463-78, 1970 (68 ref.)
Identification and characterization of an RNA replicase from TMV-infected tobacco leaves. Brishammar S. Biochem Biophys Res Commun 41:506-11, 23 Oct 70
Circular dichroism of two TMV mutants with identical single amino acid replacement in different position in polypeptide chain. Budzynski AZ. Biochem Biophys Res Commun 41:841-5, 25 Nov 70
Complementary regions to tobacco mosaic virus RNA in host DNA. Siegel A, et al. Biochem Biophys Res Commun 40:350-5, 27 Jul 70
Proteins in tobacco mosaic virus-infected tobacco plants. Zaitlin M, et al. Biochem Biophys Res Commun 39:1031-6, 1970
Role of cation and anion in the polymerization and depolymerization of tobacco mosaic virus protein. Banerjee K, et al. Biochemistry 10:1100-2, 16 Mar 71
Reaction of tobacco mosaic virus with maleic anhydride

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and some possible applications to x-ray diffraction analysis. King L, et al. Biochemistry 10:961-7, 16 Mar 71
Inhibition of polymerization of tobacco mosaic virus protein by modification of carboxyl groups. Budzynski AZ, et al. Biochim Biophys Acta 236:767-76, 29 Jun 71
Effect of chemicals on the early stages of tobacco mosaic virus protein polymerization. Shalaby RA. Biophys J 8:380-8, Mar 68
Dichroism of TMV in pulsed electric fields. Allen FS, et al. Biopolymers 10:865-81, 1971
Polar reconstitution of tobacco mosaic virus (TMV). Ono T, et al. J Child Psychol Psychiatry 12:510-6, Jun 71
The effect of DEAE-dextran on the nucleic acids of two plant viruses. Hull R. J Gen Virol 11:111-7, May 71
Secondary structure of tobacco mosaic virus protein. Leberman R. J Mol Biol 55:23-30, 14 Jan 71
Polarographic changes accompanying denaturation and renaturation of tobacco mosaic virus protein. Ruttkay-Nedecký G, et al. J Mol Biol 55:101-5, 14 Jan 71
Electron microscopy of tobacco mosaic virus under conditions of minimal beam exposure. Williams RC, et al. J Mol Biol 52:121-3, 28 Aug 70
Synthesis of tobacco mosaic virus protein sequence 81-85. Pettit GR, et al. J Org Chem 36:870-3, 9 Apr 71
Assembly of the particle of tobacco mosaic virus from RNA and disks of protein. Butler PJ, et al. Nature [New Biol] 229:47-50, 13 Jan 71
States of aggregation of tobacco mosaic virus protein. Durham AC, et al. Nature [New Biol] 229:37-42, 13 Jan 71
Polymerization of tobacco mosaic virus protein and its control. Durham AC, et al. Nature [New Biol] 229:42-6, 13 Jan 71
Light-mediated regulation of TMV-RNA photoreactivation. Murphy TM, et al. Photochem Photobiol 13:45-55, Jan 71
The stacked-disk structure of tobacco mosaic virus protein. Carpenter JM. Virology 41:603-14, Aug 70
Electron microscopy of the replicative RNA from tobacco mosaic virus ana alfalfa mosaic virus: morphology and association of the double-stranded RNA. Nicolaieff A, et al. Virology 41:688-700, Aug 70
Specific interaction of tobacco mosaic virus RNA with Q beta-replicase. Okada Y, et al. Virology 43:69-74, Jan 71
[Thermal transfer and recrudescence of synthesis of tobacco mosaic virus in the Nicotiana tabacum var. Samsun] Cabanne F, et al. C R Acad Sci [D] (Paris) 271:1599-602, 28 Oct 70 (Fre)
[Hypersensitivity to viruses, temperature and soluble proteins in Nicotiana Xanthi n.c. Appearance of new macromolecules at the repression of viral synthesis] Gianinazzi S, et al. C R Acad Sci [D] (Paris) 270:2383-6, 11 May 70 (Fre)
[Influence of phosphodiesterase of swine spleen on the reconstitution in vitro of tobacco mosaic virus] Guilley H, et al. C R Acad Sci [D] (Paris) 272:1181-4, 22 Feb 71 (Fre)
[Comparative effects of viral infection on respiratory intensity and ascorbic oxidase activity in several Nicotianae species hypersensitive or refractive to tobacco mosaic virus] Poussel H, et al. C R Soc Biol (Paris) 164:369-73, 25 Sep 70 (Fre)
[Effect of ultrasound on the formation of individual and mixed monolayers of lipovitellin and tobacco mosaic virus] El'piner IE, et al. Biofizika 16:44-51, Jan-Feb 71 (Rus)
[Interaction of tobacco mosaic virus with phospholipid monolayers subjected to ultrasonics] Deborin GA, et al. Dokl Akad Nauk SSSR 196:1445-8, 1971 (Rus)

ANALYSIS

Separation of oligonucleotides on hydroxyapatite columns. Mundry KW. Bull Soc Chim Biol (Paris) 52:873-83, 1970
In vivo uncoating of tobacco mosaic virus. II. Complete uncoating to TMV-RNA. Machida H, et al. Jap J Microbiol 14:441-9, Nov 70

CLASSIFICATION

The identification of strains of tobacco mosaic virus from tomato crops in Southern Ontario. Fletcher JT, et al. Can J Microbiol 17:123-8, Jan 71

DRUG EFFECTS

Effect of diethyl pyrocarbonate on the biological activity of intact TMV and TMV-RNA. Gulyás A, et al. Acta Biochim Biophys Acad Sci Hung 5:235-8, 1970
Polar stripping of tobacco mosaic virus by alkali. Onda H, et al. Virology 42:551-3, Oct 70
[Effect of some physiologically active substances on tobacco mosaic virus] Bobyr' AD, et al. Mikrobiol Zh 32:622-5, Sep-Oct 70 (Ukr)
[Antiviral properties of a yeast extract] Kovalenko AG. Mikrobiol Zh 32:396-400, May-Jun 70 (Ukr)
[The effect of the culture fluids and extracts of several soil bacteria on tobacco mosaic virus] Mil'chenko KP. Mikrobiol Zh 31:356-60, Jul-Sep 69 (Ukr)
[The effect of polysaccharide-containing fractions from Gram negative bacteria on adenovirus type 3 and tobacco mosaic virus] Mil'chenko KP, et al. Mikrobiol Zh 32:366-9, May-Jun 70 (Ukr)

GROWTH & DEVELOPMENT

Studies on the effect of constant magnetic field on tobacco mosaic virus synthesis in tobacco leaves. Maj Z, et al. Acta Microbiol Pol [A] 2:143-8, 1970
Phenotypic mixing between strains of tobacco mosaic virus. Kassanis B, et al. J Gen Virol 11:171-6, Jun 71
The relative concentration of infective intact virus and RNA of four strains of tobacco mosaic virus as influenced by temperature. Kassanis B, et al. J Gen Virol 11:157-70, Jun 71
Replication of tobacco mosaic virus. II. The in vitro synthesis of high molecular weight virus-specific RNAs. Bradley DW, et al. Virology 45:192-9, Jul 71
Replication of tobacco mosaic virus. I. Isolation and characterization of double-stranded forms of ribonucleic-acid. Jackson AO, et al. Virology 45:182-91, Jul 71
Growth curve and yield of tobacco mosaic virus in tobacco callus cells. Murakishi HH, et al. Virology 43:62-8, Jan 71
Conditioning of local lesion formation by a brief heat or cold treatment of leaves systemically infected with TMV. Shimomura T, et al. Virology 43:531-2, Feb 71

IMMUNOLOGY

Comparison of the cysteine-containing peptides from rabbit anti-tobacco mosaic virus antibody and non-specific immunoglobulin G by peptide mapping. Szpirer C. Immunology 20:137-49, Feb 71
Concomitant synthesis, in separate cells, of non-reactive immunoglobulins and specific antibodies after immunization with tobacco mosaic virus. Urbain-Vansanten G. Immunology 19:783-97, Nov 70

ISOLATION & PURIFICATION

Use of triton X-100 for isolation of tobacco mosaic virus from some plants other than tobacco. Nozu Y, et al. Virology 43:514-5, Feb 71
Precipitation of tobacco mosaic virus by gelatin. Regenmortel MH van, et al. Virology 43:310-2, Jan 71
[Tobacco mosaic virus and polyphenols as naturally occurring carcinogens in tobacco] Chýle P, et al. Cas Lek Cesk 110:189-90, Feb 71 (Cze)
[Tobacco mosaic virus, polyphenols and the carcinogenicity of the tobacco habit] Chýle P, et al. Cesk Epidemiol Mikrobiol Imunol 20:32-42, Jan 71 (Cze)

METABOLISM

Heterogeneity among the uniform-size fragments obtained from TMV-RNA. Sela I, et al. Arch Biochem Biophys 139:450, Aug 70
Effects of diethyl pyrocarbonate on tobacco mosaic virus and its RNA. Oxelfeldt P, et al. Biochim Biophys Acta 217:544-7, 15 Oct 70
Studies on the biosynthesis of TMV. 3. Isolation and characterization of the replicative form and the replicative intermediate RNA. Nilsson-Tillgren T. Mol Gen Genet 109:246-56, 1970

PATHOGENICITY

Oxidase activities during the hypersensitive reaction of Nicotiana xanthi to tobacco mosaic virus. Cabanne F, et al. J Gen Virol 11:119-22, May 71
An unusual inclusion in plants infected with a tobacco mosaic virus mutant. Kassanis B, et al. J Gen Virol 11:193-5, Jun 71
Changes in the ribosomes extracted from Mung beans infected with a strain of tobacco mosaic virus. McCarthy D, et al. J Gen Virol 9:9-17, Oct 70
A differential extraction method for the isolation of host nucleic acids from TMV-infected tobacco plants. Bagi G, et al. Virology 42:662-7, Nov 70

RADIATION EFFECTS

[Chemical modification of viral ribonucleic acid. IX. The effect of ultraviolet irradiation on TMV-RNA and other polynucleotides. Singer B. Virology 45:101-7, Jul 71

TOCOPHEROLS see VITAMIN E (D11)

TOE JOINT (A2)

Tuberculous dactylitis in the adult. Feldman F, et al. Am J Roentgenol Radium Ther Nucl Med 112:460-79, Jul 71
[Thiemann's disease. A familial case] Fournier A, et al. Pediatrie 24:555-61, Jul-Aug 69 (Fre)
[A case of aseptic polyarthritis of the coffin joint in cattle] Wilde I. Monatsh Vet Med 24:287-9, 15 Apr 69 (Ger)
[Metatarsalgia caused by mechanical changes of the anterior arch. Proximal osteotomy of the central metatarsals] Khoury Sola C, et al. Prensa Med Argent 57:1825-9, 27 Nov 70 (Spa)

TOES (A1, A2)

Tuberculous dactylitis in the adult. Feldman F, et al. Am J Roentgenol Radium Ther Nucl Med 112:460-79, Jul 71
Diagnosis of arterial insufficiency with measurement of blood pressure in fingers and toes. Gundersen J. Angiology 22:191-6, Apr 71
Vamp disease. Inflammation of the great toe due to pressure from women's shoes. Shapiro L, et al. Arch Dermatol 102:681-4, Dec 70
Peripheral gangrene in a newborn. Glaun BP, et al. Arch Dis Child 46:105-7, Feb 71
Prosthetic nail plate. Rosen S. J Am Podiatry Assoc 60:283-4, Jul 70
Transplantation of the flexor digitorum longus muscle tendon in hammertoes. Sgarlato TE. J Am Podiatry Assoc 60:383-8, Oct 70
Therapy of osteoarthritis of the great toe and hallux rigidus. Steinberg MD. JAMA 217:215, 12 Jul 71
Pyridinolcarbamate treatment of atherosclerosis obliterans analysed by toe plethysmography. Motomiya T, et al. Jap Heart J 11:433-49, Sep 70
Threshold of vibratory perception in normal children. Alter M, et al. Minn Med 54:693-5, Sep 71
Toe tourniquet syndrome. Quinn NJ Jr. Pediatrics 48:145-6, Jul 71
Interdigital neuroma of the foot. Hauser ED. Surg Gynecol Obstet 133:265-7, Aug 71
[Injuries and diseases of the sesamoid bones of the big toe] Komprda J. Acta Chir Orthop Traumatol Cech 38:42-8, Feb 71 (Cze)
[Minimal necrotic ulcerations of the toes revealing juvenile arteritis] Bureau Y, et al. Bull Soc Fr Dermatol Syphiligr 76:716-7, 1969 (Fre)
[Trophic distal cutaneous lesions revealing an arteriopathy] Texier L, et al. Bull Soc Fr Dermatol Syphiligr 76:720-2, 1969 (Fre)
[Acropathia ulcero-mutilans of sporadic form. Association with dementia. Case report] Grosiambert R, et al. J Med Lyon 50:607-11, 5 Apr 69 (Fre)
[Mold infections of the toe nails] Schönborn C, et al. Mykosen 13:253-72, 1 May 70 (Ger)
[Fungal flora of diseased and healthy toenails] Seebacher C. Mykosen 11:893-902, 1 Dec 68 (Ger)
[A case of Lichtenstein-Jaffe fibrous dysplasia of bone associated with gout] Carrabba M, et al. Reumatismo 21:134-7, May-Jun 69 (Ita)
[Studies on the hereditary nature of sole prints with special reference to hallucal and hypothenar patterns] Morisaki Y. Jap J Leg Med 25:126-47, Mar 71 (Jap)
[Tendinous fusion of the flexor pollicis longus muscle and flexor digitorum longus muscle] Matsui T, et al. Orthop Surg (Tokyo) 22:228-31, Mar 71 (Jap)
[Treatment of post-burn cicatricial extensor contractures of the toes] Obukhova LM, et al. Ortop Travmatol Protez 31:33-5, Aug 70 (Rus)

ABNORMALITIES

Pfeiffer syndrome. An unusual type of acrocephalosyndactyly with broad thumbs and great toes. Martsolf JT, et al. Am J Dis Child 121:257-62, Mar 71
Biphalangia of the lateral toes. A study on the incidence in a Swedish population together with some observations on digital sesamoid bones in the foot. Sandström B, et al. Am J Phys Anthropol 34:37-41, Jan 71
Fetal effects during cyclophosphamide and irradiation therapy. Toledo TM, et al. Ann Intern Med 74:87-91, Jan 71
Unilateral hirsutism, epithelial naevus, polydactyly, premature fusion of epiphyses of right leg and myasthenia gravis. Ellis JP, et al. Br J Dermatol 84:385-6, Apr 71
Lobster-claw deformities of the hands and feet. Maisels DO. Br J Plast Surg 23:269-82, Jul 70
A case of eight-toed foot. Mysorekar VR. Br J Radiol 43:740-2, Oct 70
Carpenter's syndrome. Report of a case. Saxena S, et al. Indian J Pediatr 37:627-8, Dec 70
Three uncommon anomalies. Cole M. J Am Podiatry Assoc 60:400-2, Oct 70
Brachydactyly with absence of middle phalanges and hypoplastic nails. A new hereditary syndrome. Cuevas-Sosa A, et al. J Bone Joint Surg [Br] 53:101-5, Feb 71
An inherited pericentric chromosomal inversion (46, inv3 (p-q+)) associated with skeletal anomalies. Cohen MM, et al. J Pediatr 79:456-62, Sep 71
Pfeiffer syndrome: an unusual type of acrocephalosyndactyl with broad thumbs and great toes. Cracco J, et al. Neurology (Minneap) 20:414, Apr 70
[Crystalline lens in Weill-Marchesani disease] Larmande AM, et al. Bull Mem Soc Fr Ophtalmol 81:335-51, 1968 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[The Weill-Marchesani syndrome. Apropos of 2 further cases] Combe P, et al. Pediatrie 26:433-4, Jun 71 (Fre)
[Weill-Marchesani syndrome] Seliem C, et al. Pediatrie 25:771-5, Oct-Nov 70 (Fre)
[Aplasia phalangorum pedia, a congenital development inhibition of toes] Tušera M. Kinderaerztl Prax 38:406-8, Sep 70 (Ger)
[Surgery of riding toe in the child] Rathke FW. Z Orthop 109:531, Jul 71 (Ger)
[On several cases of congenital malformations of the fingers and toes] Ionescu M, et al. Rev Med Chir Soc Med Nat Iasi 75:225-8, Jan-Mar 71 (Rum)
[The broad thumb and toe syndrome (Rubinstein-Taybi syndrome): apropos of a case] Soto Viera ME, et al. Bol Asoc Med PR 63:59-64, Mar 71 (Spa)
[Association of brachymetapody with epilepsy and migraine] Poch GF, et al. Prensa Med Argent 57:1744-5, 13 Nov 70 (Spa)

ANATOMY & HISTOLOGY

Tendon fibre arrangement and blood supply. Field PL. Aust NZ J Surg 40:298-302, Feb 71
Ultrastructure of the human toenail. I. Proximal nail matrix. Hashimoto K. J Invest Dermatol 56:235-46, Mar 71
[Number and distribution of musculcar spindles in the musculus flexor digiti minimi pedis of adults, newborns and idential twins] Fehrmann P. Anat Anz 126:218-21, 1970 (Ger)
[Comparative studies of the deep finger extensor M. extensor, digitorum profundus, in man and some mammals] Kaneff A. Gegenbaurs Morphol Jahrb 114:543-71, 1970 (Ger)

BLOOD SUPPLY

Digital systolic pressures in the lower limb in arterial disease. Carter SA, et al. Circulation 43:905-14, Jun 71

EMBRYOLOGY

Tetrazolium salt and electron-microscopic studies of cellular degeneration and necrosis in the interdigital areas of the developing chick limb. Hammar SP, et al. J Cell Sci 8:229-51, Jan 71

INJURIES

An unusual skiing accident; a case report. Galinski AW. J Am Podiatry Assoc 60:402-4, Oct 70
Case report on a gun-shot wound. Serling HA. J Am Podiatry Assoc 61:268-70, Jul 71
[Post-traumatic melanic panaris] Massé R. Med Leg Domm Corpor (Paris) 2:170-1, Apr-Jun 69 (Fre)
[Treatment of fractures of metatarsals and toes with special reference to osteosynthesis] Heim U. Z Unfallmed Berufskr 63:305-17, 1970 (Ger)
[Foot injuries caused by power lawn mowers] Schulstad I. Nord Med 85:95, 21 Jan 71 (Nor)
[Primary suture of torn nails in injuries to the fingers and toes] Voronov NS, et al. Klin Khir 8:59-60, Aug 70 (Rus)
[Treatment of fractures of the toe phalanges] Cherkes-Zade DI. Ortop Travmatol Protez 31:71-2, Jul 70 (Rus)

INNERVATION

The proper digital nerve, vitallium stem arthroplasty, and some thoughts about foot surgery in general. Joplin RJ. Clin Orthop 76:199-212, May 71

PATHOLOGY

Digital fibrous swellings in children. McKenzie AW, et al. Br J Dermatol 83:446-58, Oct 70
Cold-induced necrosis in toes of chicks receiving daily dosages of adrenocorticotropin. Siegel HS. Gen Comp Endocrinol 16:281-7, Apr 71

RADIOGRAPHY

Pathologic changes in the toes in Löffler's syndrome. Wattling WO. J Am Podiatry Assoc 61:224-8, Jun 71
Unusual manifestations of rheumatoid arthritis. Dalinka MK, et al. Radiology 97:393-5, Nov 70
[Place of metatarso-phalangeal arthritis of destructive tendency in peripheral localizations of ankylosing spondylarthritis (A.S.)] Louyot P, et al. J Radiol Electrol Med Nucl 50:281-5, May 69 (Fre)
[Differential diagnostic considerations concerning osteoarticular diseases in the front part of the foot] Köster D. Z Aerztl Fortbild (Jena) 64:1145-50, 15 Nov 70 (Ger)

SURGERY

Resection of the metatarsophalangeal joints in rheumatoid arthritis. Brattström H, et al. Acta Orthop Scand 41:213-24, 1970
The proper digital nerve, vitallium stem arthroplasty, and some thoughts about foot surgery in general. Joplin RJ. Clin Orthop 76:199-212, May 71
Combination surgery for overlapping fifth digit. Anderson BV. J Am Podiatry Assoc 61:137-8, Apr 71
Ledge tenodesis of the extensor hallucis longus. A susbtitution for the Jones operation. Kirk AA, et al. J Bone Joint Surg [Am] 53:774-6, Jun 71
[Reconstructive surgery in the area of the shin and foot] Teršíp K, et al. Rozhl Chir 50:329-33, 1971 (Cze)
[Description of a surgical method for cleft toe] Meel PJ van. Z Orthop 107:373-5, Jan 70 (Ger)
[Treatment of ingrown toenail] Lin'kov VS. Vestn Khir 103:120, Jun 69 (Rus)

TOFRANIL see IMIPRAMINE (D6)

TOILET FACILITIES see under LATRINES (G3)

TOILET TRAINING (F1)

Toilet training for profoundly retarded with a limited staff. Sunland Training Center at Miami. Levine MN, et al. Ment Retard Abstr 8:48-50, Jun 70
[Toilet training and enuresis] Groen-Prakken J. Ned Tijdschr Geneeskd 114:1723-8, 17 Oct 70 (Dut)
[Analysis and treatmen of disorders of feeding and evacuation behavior in the preschool age through the technic of directed play therapy. The desire of the child to be self-sufficient in the area of feeding and evacuation] Trombini G. Prax Kinderpsychol Kinderpsychiatr 19:1-10, Jan 70 (Ger)

TOLAZOLINE (D5)

ADMINISTRATION & DOSAGE

Hemodynamic effects of vasodilatation in "critical" arterial stenosis. Kreuzer W, et al. Arch Surg 103:277-82, Aug 71

DIAGNOSTIC USE

Renal arteriography enhanced by tolazoline. Value in the diagnosis of polyarteritis nodosa complicated by perinephric hematoma. Bron KM, et al. Radiology 99:295-301, May 71
[Evaluation of the use of drugs in celiac arteriography] Kawanami H, et al. Rinsho Hoshasen 16:293-302, Apr 71 (Jap)

PHARMACODYNAMICS

Drug effects on the blood pressure response to postural changes in the unanesthetized rabbit. Parra J, et al. Arch Int Pharmacodyn Ther 181:353-62, Oct 69
Antagonistic effects of alpha and beta-adrenergically coded hypothalamic neurones on consummatory behaviour in the rat. Goldman HW, et al. Nature (Lond) 231:453-5, 18 Jun 71
[Naphazoline restoration of the action of adrenaline and noradrenaline reversed by tolazoline] Haard R, et al. C R Soc Biol (Paris) 164:1472-4, 1970 (Fre)

THERAPEUTIC USE

Effect of tolazoline hydrochloride on sputum viscosity in cystic fibrosis. Feather EA, et al. Thorax 25:732-6, Nov 70

TOLBUTAMIDE (D8)

Chlorpropamide and tolbutamide inhibition of adenosine 3'5' cyclic monophosphate phosphodiesterase. Brooker G, et al. Biochem Biophys Res Commun 42:824-8, 5 Mar 71
Thermal dissociation of sulfonylureas. Dissociation of tolbutamide in a series of aliphatic alcohols and in polyethylene glycol 400. Bottari F, et al. J Pharm Sci 59:1663-6, Nov 70
The Tolbutamide evidence. Lancet 1:171-2, 23 Jan 71
Pill abuse and hypoglycemia. Dobson HL, et al. South Med J 64:703-6, Jun 71
The effect of sodium tolbutamide on the uptake of sodium-35S-sulfate and 35S-methionine in inbred strains of mice. Robertson DW. Teratology 1:387-92, Nov 68
Incorporation and utilization of radioglucose in the fish embryo Oryzias latipes during teratogenesis. Smithberg M, et al. Teratology 1:359-68, Nov 68

ADMINISTRATION & DOSAGE

Response of blood sugar, pyruvate and serum ILA (rat hemidiaphragm) to intravenous sodium tolbutamide in normal and diabetic subjects. Rastogi GK. Indian J Med Res 58:438-43, Apr 70
A study of single dose tolbutamide therapy in diabetes mellitus. Omar JB, et al. J Indian Med Assoc 55:157-61, 1 Sep 70
Use and misuse of oral hypoglycemic drugs. Graber AL. J Tenn Med Assoc 64:584-6, Jul 71
Partial remission of diabetes mellitus after oral antidiabetic therapy. Beaser SB, et al. Postgrad Med 49:101-5, Mar 71
[Effects of 2 successive injections of tolbutamide on blood sugar and blood insulin in normal humans] Vague P, et al. Diabete 16:143-5, Apr-Jun 68 (Fre)
[Comparative studies of the oral and intravenous tolbutamide test. I. Clinical study of middle-aged patients] Berchtold P, et al. Diabetologia 7:73-6, Apr 71 (Ger)
[Comparative studies of the oral and intravenous tolbutamide test. II. Determination of glucose, serum-insulin and serum-tolbutamide in normal young subjects] Berchtold P, et al. Diabetologia 7:77-81, Apr 71 (Ger)
[Combined effects of nicotinic acid and tolbutamide on fat and carbohydrate metabolism] Leinweber W, et al. Verh Dtsch Ges Inn Med 75:878-80, 1969 (Ger)
[Results of oral Diabomet therapy of diabetes mellitus] Ipbüker A, et al. Turk Tip Cemiy Mecm 36:287-95, 1970 (Tur)

ADVERSE EFFECTS

Controlled clinical trials and the tolbutamide controversy. Lavietes PH. Conn Med 35:271-2, Apr 71
Tolbutamide: another view. Nahum LH. Conn Med 35:272-3, Apr 71
Hyponatremia due to sulfonylurea compounds. Hagen GA, et al. J Clin Endocrinol Metab 31:570-6, Nov 70
Neonatal thrombocytopenia and congenital malformations associated with administration of tolbutamide to the mother. Schiff D, et al. J Pediatr 77:457-8, Sep 70
Antidiabetic drugs and atherogenesis. Colt EW. Lancet 2:1132, 28 Nov 70
Tolbutamide. Heips EP. Lancet 1:912-3, 1 May 71
Tolbutamide. Med J Aust 1:53-4, 9 Jan 71
A note on tolbutamide and diabetes. Med Lett Drugs Ther 12:60, 10 Jul 70
Drug fears dismissed. Nature (Lond) 228:599, 14 Nov 70
Therapeutics--by headline and edict. Hare RL. Northwest Med 70:116-9, Feb 71
[Safety of tolbutamid treatment in diabetic patients] Cohen AM. Harefuah 80:33, 1 Jan 71 (Heb)
[Attack after oral antidiabetics] Frey H. Tidsskr Nor Laegeforen 90:2097-8, 15 Nov 70 (Nor)
[Acute medicamentous erythroblastopenia] Stelian A. Med Interna (Bucur) 23:119-22, Jan 71 (Rum)

ANTAGONISTS & INHIBITORS

Inhibition of glucose and tolbutamide-induced insulin release by iodoacetate and antimycin A. Georg RH, et al. Endocrinology 89:169-76, Jul 71

BLOOD

[The serum tolbutamide picture during oral treatment of diabetes] Leubner H, et al. Wien Klin Wochenschr 82:321-4, 1 May 70 (Ger)

DIAGNOSTIC USE

Variations in synalbumin insulin antagonism during tolbutamide tolerance tests. Vallance-Owen J, et al. Acta Endocrinol [Suppl] (Kbh) 155:196, 1971
Variations in synalbumin insulin antagonism during tolbutamide tolerance test. Bajaj JS, et al. Diabetologia 7:133-5, Jun 71
[Tolbutamide test in rabbits] Crux-Horn A, et al. C R Acad Sci [D] (Paris) 272:2930-3, 7 Jun 71 (Fre)
[Detection of latent diabetes in adults] Deuil R, et al. Cah Coll Med Hop Paris 9:331-7, Apr 68 (Fre)
[Role of plasma free fatty acid (FFA) levels during oral glucose tolerance and tolbutamide tolerance tests and the FFA rebound index in the detection of prediabetes and latent diabetes] Bagriaçik N. Diabete 18:253-61, Oct-Dec 70 (Fre)
[Hepatic glucose tolerance disturbance] Mehnert H. Dtsch Med Wochenschr 95:2205, 23 Oct 70 (Ger)
[Comparative observations on sensitivity of intravenous tolbutamide test and intravenous ggucose assimilation test] Theune V, et al. Dtsch Z Verdau Stoffwechselkr 29:415-8, 1969 (Ger)
[The influence of hex bendin on fat and carbohydrate metabolism in healthy persons, patints wth a positive tolbutamide test and diabetics] Hammeri H, et al. Wien Klin Wochenschr 82:930-3, 25 Dec 70 (Ger)
[Intravenous tolbutamide loading test in cytostatic treatment with cyclophosphamide] Lawonn H. Z Erkr Atmungsorgane 132:275-8, 1970 (Ger)
[Behavior of the insulin-, tolbutamide- and cortisone-tests depending on the age and body constitution of adult diabetics] Bojanowicz K, et al. Z Gesamte Inn Med 26:182-4, 1 Mar 71 (Ger)
[Intravenous tolbutamide test during the icteric phase of viral hepatitis and during recovery] Morgano G, et al. Arch E Maragliano Patol Clin 25:431-8, Nov-Dec 69 (Ita)
[Obesity and diabetes. II. Tolbutamide intravenous test in obese patients] Torri A, et al. Endocrinol Sci Cost 31:88-99, May 70 (Ita)
[Relation between aged arteriosclerosis and diabetes.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

II. Tolbutamide intravenous test] Zandomeneghi R, et al. Endocrinol Sci Cost 31:127-34, May 70 (Ita)
[Sulphonylurea tolerance test: re-evaluation and the future prospect of the tolbutamide test] Shigeta Y, et al. Jap J Clin Med 28:2794-800, Dec 70 (Jap)
[Serum insulin determination by radioimmunoassay after intravenous tolbutamide administration] Czekalski S, et al. Endokrynol Pol 21:599-604, 1970 (Pol)
[The response of serum glucose, free fatty acid and immunoreactive insulin to oral glucose and intravenous tolbutamide in normal, potentially diabetic and diabetic subjects] Bigelow-Sherman JD, et al. Acta Diabetol Lat 7:68-92, Jan-Feb 70 (Mul)
[Blood sugar and insulin blood level changes induced by tolbutamide in patients with gastro-duodenal ulcer. Preliminary note] Zandomeneghi R, et al. Acta Diabetol Lat 6:836-43, Oct-Dec 69 (Mul)

METABOLISM

Distribution of tolbutamide and chlorpropamide after administration to non-diabetic rats. Nistrup Madsen S, et al. Eur J Pharmacol 13:374-80, 1971
[Biologic activity of tolbutamide and its metabolites] Müller R. Hippokrates 41:412-3, Sep 70 (Ger)

PHARMACODYNAMICS

Is there a common beta cell insulin compartment stimulated by glucose and tolbutamide? Curry DL. Am J Physiol 220:319-23, Feb 71
Effects of various drugs on insulin antibodies. Gulati OD, et al. Br J Pharmacol 42:66-77, May 71
Insulin secretion studied in the perfused rat pancreas. I. Effect of tolbutamide, leucine and arginine; their interaction with diazoxide, and relation to glucose. Basabe JC, et al. Diabetes 20:449-56, Jul 71
Portal and peripheral vein immunoreactive insulin concentrations following tolbutamide administration. Blackard WG, et al. Diabetes 20:168-70, Mar 71
Reduction in the activity of the pancreatic islets induced in normal rodents by prolonged treatment with derivatives of sulfonylurea. Sodoyez JC, et al. Diabetes 19:603-9, Sep 70
Dynamics of insulin secretion in vitro: effects of repeated induction of insulin release by single and multiple stimulants. Telib M, et al. Endokrinologie 56:189-95, 1970
Interaction between benzothiadiazines and tolbutamide on uric acid metabolism. Iyer KS, et al. Indian J Physiol Pharmacol 14:25-9, Jan 70
Changes in serum glucose and free fatty acids after administration of tolbutamide to obese women. Harell A, et al. Isr J Med Sci 6:304-8, Mar-Apr 70
Effect of tolbutamide on adenyl cyclase in rabbit and human heart and contractility of isolated rabbit atria. Levey GS, et al. J Clin Endocrinol Metab 33:371-4, Aug 71
The effect of tolbutamide on blood pressure. Wales JK, et al. J Pharmacol Exp Ther 178:130-40, Jul 71
Effect of sulfonylureas on the permeability to water and electrical properties of the urinary bladder of the toad. Urakabe S, et al. Jap Circ J 34:595-601, Jul 70
Tolbutamide: an inotropic effect on rabbit atria. Palmer RF, et al. Lancet 1:604, 20 Mar 71
Hepatic effect of sulfonylureas. Marshall A, et al. Metabolism 19:1046-52, Dec 70
Effect of tolbutamide on blood pressure. Wolff F, et al. N Engl J Med 284:915-6, 22 Apr 71
Comparative studies of the effects of glibenclamide and tolbutamide on insulin release from isolated rat islets in vitro. Weinges KF. Postgrad Med J Suppl:32-5, Dec 70
Effect of tolbutamide and exogenous insulin on the metabolic responses of rats. Berdanier CD, et al. Proc Soc Exp Biol Med 137:861-7, Jul 71
[2 cases of Langerhans adenoma] Rubay J, et al. Acta Chir Belg 68:293-312, Apr 69 (Fre)
[Effect of hypo- and hyperglycemic sulfonamides on the cancerous process of rat liver by 2-acetylaminofluorene] Lacassagne A, et al. Bull Cancer (Paris) 56:397-410, Oct-Dec 69 (Fre)
[Diuretic and natriuretic action of chlorpropamide in rats. Comparison with tolbutamide] Gharib C, et al. Experientia 27:149-51, 15 Feb 71 (Fre)
[Diuretic and natriuric action of chlorpropamide in rats with water overload. Comparison with tolbutamide] Gharib C, et al. Lyon Med 224:839-43, 13 Dec 70 (Fre)
[Comparison of the beta-cytotrophic effect of a new sulfonylurea derivative, glibornuride, and tolbutamide] Bottermann P, et al. Klin Wochenschr 49:769-70, 1 Jul 71 (Ger)
[Study of the pancreatic B-cell stimulation in subjects with normal metabolism] Grabner W, et al. Klin Wochenschr 49:763-5, 1 Jul 71 (Ger)
[B-cell stimulation in chronic and chronic relapsing pancreatitis] Grabner W, et al. Klin Wochenschr 49:765-7, 1 Jul 71 (Ger)
[Influence of tolbutamide on the binding capacity of serum proteins for I-131 thyroxine, I-131 insulin and cortisol] Schemmel K, et al. Verh Dtsch Ges Inn Med 75:782-5, 1969 (Ger)
[Behavior of plasmatic values of glucose, FFA and insulin in subjects with progressive muscular dystrophy of the Duchenne type exposed to intravenous administration of tolbutamide] Falorni A, et al. Boll Soc Ital Biol Sper 45:1385-9, 15 Nov 69 (Ita)
[Influence of propranolol on the action of tolbutamide] Specchia G, et al. Boll Soc Ital Biol Sper 46:586-9, 30 Jun 70 (Ita)
[Study of insulin increase after stimulation in dystrophic infants] Cutillo S, et al. Pediatria (Napoli) 78:157-69, 1970 (Ita)
[Behavior of blood sugar and blood nonesterified fatty acids in old primiparas and in pluriparas] Sani G, et al. Riv Ital Ginecol 53:175-201, Mar 69 (Ita)
[Insulin-stimulating properties of Glybenclamide (HB 419) in healthy subjects. Comparative studies with tolbutamide] Brunetti P, et al. Acta Diabetol Lat 6:283-98, Apr-Jun 69 (Mul)
[The behaviour of the serum insulin level in non obese adult diabetics after intravenous glucose, tolbutamide and glucagon] Lawecki J, et al. Acta Diabetol Lat 7:407-20, May-Jun 70 (Mul)

THERAPEUTIC USE

The tolbutamide Controversy: a personal perspective. Schwartz TB. Ann Intern Med 75:303-6, Aug 71
Tolbutamide and diabetes. Can Med Assoc J 104:1067, 19 Jun 71
Comparative study of hypoglycaemic treatment with insulin & tolubutamide in various types of neuroses. Bhargava RK, et al. J Assoc Physicians India 18:510-4, May 70
Tolbutamide: more questions than answers. Barclay WR. JAMA 215:108-9, 4 Jan 71
Use of oral hypoglycaemic agents. Anderson J. Lancet 2:1087-8, 21 Nov 70
Tolbutamide. Stolley PD. Lancet 1:494, 6 Mar 71
Tolbutamide (Orinase) and diabetes. Med Lett Drugs Ther 12:97-8, 27 Nov 70
Tolbutamide study raises blood pressures. Nature (Lond) 228:1251-2, 26 Dec 70
Twenty-four-hour urinary glucose levels during tolbutamide and glibenclamide therapy. Cohen H, et al. Postgrad Med J Suppl:50-2, Dec 70
[Glibenclamid in the treatment of diabetes mellitus] Klein W. Dtsch Med J 21:906-7, 5 Jul 70 (Ger)
[Tolbutamide therapy of fatty liver] Wildhirt E. Med Welt 10:383-7, 6 Mar 71 (Ger)
[Tolbutamide instead of carbutamide] Magyar I, et al. Orv Hetil 112:171, 17 Jan 71 (Hun)
[Ethacrynic acid and carbohydrate metabolism in advanced age] Scotti G, et al. G Gerontol 17:1077-93, Nov 69 (Ita)
[Effect of tolbutamide treatment on serum insulin response measured by 3 methods] Aburaya K. Folia Endocrinol Jap 46:1206-25, 20 Mar 71 (Jap)
[Tolbutamide treatment after myocardial infarct] Paasikivi J. Nord Med 84:1210, 17 Sep 70 (Swe)

TOLONIUM CHLORIDE see under HEMOSTATICS

(D7)

TOLUENE (D2)

Glucose determinations using Reflectance Meter-Dextrostix and o-toluidine methods. Hardy R. Am J Med Technol 37:181-3, May 71
Blood glucose determination without deproteinization, with use of o-toluidine in dilute acetic acid. Ceriotti G. Clin Chem 17:440-1, May 71
Modified manual or automated o-toluidine system for determining glucose in serum, with an improved aqueous reagent. Yee HY, et al. Clin Chem 17:103-7, Feb 71
Histochemical significance of green metachromasia to toluidine blue. Ramalingam K, et al. Histochemie 24:322-7, 1970
Liquid scintillation counting of 14CO2 in a toluene-triton X-100 system. Murray J. Int J Appl Radiat Isot 22:209-12, Mar 71
Effects of toluene content in fuel on aromatic emissions in the exhaust. Ninomiya JS, et al. J Air Pollut Control Assoc 20:609-11, Sep 70
Hydrolysis of proteins with p-toluenesulfonic acid. Determination of tryptophan. Liu TY, et al. J Biol Chem 246:2842-8, 10 May 71
The effect of topical Sulfamylon on water loss through burn eschar: a re-evaluation. Jelenko C 3d, et al. J Trauma 10:1123-31, Dec 70
Bromhexine. Lancet 1:1058, 22 May 71
[Industrial hygiene and status of health of workers engaged in the production of O-toluidine] Khlebnikova MI, et al. Gig Tr Prof Zabol 14:7-10, Aug 70 (Rus)
[Yield of serial examinations in the laboratory diagnosis of Enterobius vermicularis infections] Schenone H, et al. Bol Chil Parasitol 25:113-7, Jul-Dec 70 (Spa)

ADMINISTRATION & DOSAGE

Mafenide hydrochloride and mafenide acetate in spray and ointment forms as topical therapy of C. perfringens contaminated massive wounds: experimental study. Mendelson JA, et al. J Trauma 10:1132-44, Dec 70
[The effectiveness of a combination of Auxiloson and Bisolvon for inhalation administration] Zádor A. Z Allgemeinmed 47:481-3, 31 Mar 71 (Ger)

ADVERSE EFFECTS

Acid base changes associated with topical Sulfamylon therapy: retrospective study of 100 burn patients. Asch MJ, et al. Ann Surg 172:946-50, Dec 70
[Study of leukocyte alkaline phosphatase and of the karyotype of workers exposed to benzene] Girard R, et al. Arch Mal Prof 31:31-7, Jan-Feb 70 (Fre)
[Hygienic working conditions and status of health of workers engaged in the production of toluilenediamine] Dilatova VS, et al. Gig Sanit 35:26-30, Feb 70 (Rus)

ANALYSIS

[Special analytical methods for worker's medicine and industrial hygiene. V. Photometric determination of toluene diisocyanates in air in 10-3 ppm range] Pilz W. Mikrochim Acta 3:504-11, 1970 (Ger)

BLOOD

[Gaschromatographic determination of benzene and toluene in small amounts of blood] Szadkowski D, et al. Int Arch Arbeitsmed 27:300-8, 1971 (Ger)

DIAGNOSTIC USE

[On the determination of glucose with o-toluidine without glacial acetic acid] Richter M. Dtsch Gesundheitsw 25:1493-6, 6 Aug 70 (Ger)
[Elimination of a turbidity error in blood sugar determination with ortho-toluidine] Brünig G. Z Med Labortech 12:157-8, 1971 (Ger)

ISOLATION & PURIFICATION

Offensive-odor substance in the evil-smelling fish from the sea polluted by petroleum and petrochemical industrial waste. 1. Identification of offensive-odor substance. Ogata M, et al. Acta Med Okayama 24:471-81, Aug 70

METABOLISM

Bacterial metabolism of arylsulfonates. I. Benzene sulfonate as growth substrate for Pseudomonas testosteroni H-8. Ripin MJ, et al. Appl Microbiol 21:495-9, Mar 71
[Autoradiographic studies on the distribution of 14 C-labelled Bisolvon in the rat and mouse] Kopitar Z, et al. Arzneim Forsch 21:914-8, Jul 71 (Ger)

PHARMACODYNAMICS

Chromosome studies in workers exposed to benzene or toluene or both. Fori A, et al. Arch Environ Health 22:373-8, Mar 71
Release of the periplasmic penicillinases from Escherichia coli by toluene. Teuber M. Arch Mikrobiol 73:61-4, 1970
Metabolic inhibition in primary cell cultures by lipid-soluble molecules. Metcalfe JC, et al. Br J Pharmacol 40:537P+, Nov 70
Toluene-extractable lipids of human urine, with characterization of a native emulsifer. Fox IS, et al. Clin Chem 17:519-24, Jun 71
[Free and bound forms of the surfactant in an expectorant] Havez R. Dtsch Med J 20:709-13, 5 Dec 69 (Ger)
[Morphologic examinations in the respiration-epithelium using Bisolvon] Merker HJ, et al. Dtsch Med J 20:288-90, 1969 (Ger)
[Introduction on the subject of Bisolvon and surfactant like activity] Renovanz HD. Dtsch Med J 20:286-8, 1969 (Ger)
[Bisolvon-effect on the surface-active substance of the rat-lung] Rüfer R. Dtsch Med J 20:290-2, 1969 (Ger)
[The genetic effect of aromatic amines and their derivatives: induction of mytotic conversion in the yeast Saccharomyces cerevisiae] Marquardt H, et al. Z Krebsforsch 74:412-33, 1970 (Ger)
[Modifications of the immunoglobulins in bronchial secretions induced by treatment with bromexin and oxytetracycline] Olivieri D, et al. Arch Monaldi 25:537-44, Nov-Dec 70 (Ita)
[The combined effect of divinyl and toluol on the estrus cycle in rats] Skuia KIa. Akush Ginekol (Mosk) 45:67-8, Sep 69 (Rus)

POISONING

Hepatorenal damage from toluene in a "glue sniffer". O'Brien ET, et al. Br Med J 2:29-30, 3 Apr 71
Benzene and toluene fatalities. Winek CL, et al. J Occup Med 13:259-61, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Researches on the influence of the protein contribution on the defense means of the organism towards several chemical poisons] Gontzea I, et al. Arch Mal Prof 31:471-80, Sep 70 (Fre)
[Incidence of expose to benzene in severe hemopathies] Girard R, et al. Nouv Rev Fr Hematol 10:477-83, Jul-Aug 70 (Fre)
[Poisoning caused by fumes of benzene, toluene and gasoline in 8 children] Barbacki M. Minerva Pediatr 23:507-10, 24 Mar 71 (Ita)

RADIATION EFFECTS

The radiolysis of substituted aromatics: isomer effects. Weiss J. Radiat Res 45:252-60, Feb 71

THERAPEUTIC USE

The mucolytic agent bromhexine (bisolvon) in chronic lung disease. A double-blind crossover trial. Cobbin DM, et al. Aust NZ J Med 1:137-40, May 71
Bromhexine in chronic bronchitis. Christensen F, et al. Br Med J 4:117, 10 Oct 70
Fungal burn wound infection. Nash G, et al. JAMA 215:1664-6, 8 Mar 71
A new mucolytic, bromhexine ("bisolvon"). A double-blind study. Bateman PP. Med J Aust 1:963-5, 1 May 71
[Objective subjective and biometric-chemical study of a combined antiasthmatic drug] Becker E. Med Monatsschr 25:189-91, Apr 71 (Ger)
[Our experience with the use of a new mucolytic agent in therapy of respiratory insufficiency] Greco R, et al. Acta Anaesthesiol (Padova) 21:255-75, Mar-Apr 70 (Ita)
[Clinical notes on the association of a mucolytic drug and a broad-spectrum antibiotic in the therapy of the bronchitic syndrome] Greco R, et al. Acta Anaesthesiol (Padova) 22:109-23, Jan-Feb 71 (Ita)
[Clinical observations on the effects of the association of N-cyclohexyl-N-methyl-(2-amino-3,5-dibromobenzyl)-ammonium chloride and oxytetracycline in acute and chronic bronchopathies] Bini P, et al. Clin Ter 55:433-59, 15 Dec 70 (Ita)
[Bisolvomycin in the theray of chronic bronchitis] Meoni S, et al. Minerva Med 62:497-503, 7 Feb 71 (Ita)

TOXICITY

[Evaluation of combined effect of some factors by the method of multiple regression] Nagornyi PA. Farmakol Toksikol 34:366-9, May-Jun 71 (Rus)
[Action of some chemical compounds on the protein composition of blood and bone marrow puncture sera] Faustov AS, et al. Gig Sanit 35:112-3, Aug 70 (Rus)

TOMOGRAPHY (E1)

Visualization of the umbilical cord in utero by ultrasonic tomography. A combination of doppler and tomographic techniques. Takemura H, et al. Acta Obstet Gynaecol Jap 17:274-5, Oct 70
Roentgen examination of the facial canal. Brünner S, et al. Acta Radiol [Diagn] (Stockh) 10:545-52, Nov 70
Elimination of blur in linear tomography. Edholm P, et al. Acta Radiol [Diagn] (Stockh) 10:441-7, Sep 70
Immediate centering and tomographic cut localization by means of roentgen television. Frimann-Dahl J, et al. Acta Radiol [Diagn] (Stockh) 10:236-40, May 70
Malformations of the inner ear in deaf children. A tomographic and clinical study. Jensen J. Acta Radiol [Diagn] (Stockh) Suppl 286:3+, 1969
Control of a tomographic system. Mattsson O. Acta Radiol [Diagn] (Stockh) 8:433-45, Sep 69
Fractures of the petrous and tympanic parts of the temporal bone in children: a tomographic study of 35 cases. Harwood-Nash DC. Am J Roentgenol Radium Ther Nucl Med 110:598-607, Nov 70
Cerebral angioautotomography. Smith JT, et al. Am J Roentgenol Radium Ther Nucl Med 112:315-23, Jun 71
Correlation of histologic and polytomographic sections of the temporal bone. Sesana WE, et al. Ann Otol Rhinol Laryngol 80:155-70, Apr 71
Body-section radiography: history, image information, various techniques and results. Ziedses des Plantes BG. Australas Radiol 15:57-64, Feb 71
The value of tomography of the larynx. Eddlestone B. Br J Radiol 44:230, Mar 71
Axial tomography of the orbits and paranasal sinuses. Lloyd GA. Br J Radiol 44:373-9, May 71
Radiology in the management of asymptomatic renal space-occupying lesions. Thomas ML, et al. Br Med J 3:689-91, 19 Sep 70
A radiological assessment of the oropharynx with special reference to tomography. Hynes DM. Clin Radiol 21:407-14, Oct 70
Polytome-encephalography in the investigation of pituitary tumours. McLachlan MS, et al. Clin Radiol 22:361-9, Jul 71
Study in circus tomography. (35th report). Clinical application. Tomography of the larynx. 3. Pathological changes of the larynx. Kimura K. Fukushima J Med Sci 17:1-12, 1970
Holographic image reconstruction from planigraphic sections. Baily NA, et al. Invest Radiol 6:221-4, May-Jun 71
Diagnostic application of ultrasonotomography to the prostate. Watanabe H, et al. Invest Urol 8:548-59, Mar 71
Radiologic diagnosis of pulmonary embolism including the application of full-chest tomography. Beamish WE. J Can Assoc Radiol 21:217-25, Dec 70
Tomography of the temporal bone: a diagnostic aid in congenital deafness. Cumming WA, et al. J Can Assoc Radiol 21:184-9, Sep 70
Clinical experience with the multiplane tomographic scanner. Volpe JA, et al. J Nucl Med 12:101-6, Mar 71
The concepts of tomography and their application in a standard modern tomographic equipment. Nwashili OR. Radiography 37:179-89, Aug 71
Frontal inclined plane tomography using basic linear tomographic equipment. Pinnock R. Radiography 37:211-3, Sep 71
A review of tomography and zonography. Smith WJ. Radiography 37:5-15, Jan 71
Nephrotomography. Performance and interpretation. Pfister RC, et al. Radiol Clin North Am 9:41-62, Apr 71 (44 ref.)
Radiation dosimetry in full-chest tomography. Buchignani JS, et al. Radiology 99:175-6, Apr 71
Tomographic imaging with the scintillation camera in the detection and characterization of brain lesions. Chamroonngan S, et al. Radiology 98:445-8, Feb 71
An infinite number of laminagrams from a finite number of radiographs. Miller ER, et al. Radiology 98:249-55, Feb 71
Splenic masses detected by scintillation imaging and contrast tomography. Morgan H, et al. Radiology 97:301-6, Nov 70
Ultrasonic laminography in the planning of external radiotherapy for gynaecologic tumours. Nieminen U, et al. Strahlentherapie 140:400-2, Oct 70
Use of optic pantograph to reduce transversal tomograms to normal size. Nordman E, et al. Strahlentherapie 140:190-1, Aug 70
A new approach to the theory of pantomographic methods. Preliminary report. Welander U, et al. Sven Tandlak Tidskr 64:173-4, Mar 71
Three dimensional radiography. Johns RJ, et al. Trans Am Clin Climatol Assoc 82:136-40, 26 Oct 70
[Possibilities for the combination of infusion cholecystocholangiography, pharmacoradiography and tomography of the biliary tract] Brychta M, et al. Cesk Gastroenterol Vyz 24:281-5, Oct 70 (Cze)
[Clinical efficiency of frontal pancreatic tomography after pneumo- and retro-pneumoperitoneum] Crismer R, et al. Acta Gastroenterol Belg 34:122-8, Jan 71 (Fre)
[Pancreatic exploration by sagittal tomography under combined pneumo- and retro-pneumoperitoneum: normal aspects] Pietri H, et al. Acta Gastroenterol Belg 34:129-37, Jan 71 (Fre)
[Value of venous tomocholangiography] Grelet P. Bord Med 4:2009-10 passim, Jun 71 (Fre)
[Radioclinical comparison of tomographic analysis of the petrous bone] Barrois J, et al. J Belge Radiol 54:293-300, Mar-Apr 71 (Fre)
[Tomographic data on petrous bone malformations] Gosepath J, et al. J Belge Radiol 54:223-32, Mar-Apr 71 (Fre)
[Urography and zonogrphy (2 years' experience)] Brunswic H. J Radiol Electrol Med Nucl 50:340-3, May 69 (Fre)
[Axial tomography of forearm and feet] Ferrand J, et al. J Radiol Electrol Med Nucl 50:214-5, Mar-Apr 69 (Fre)
[Nephrotomography during intravenous urography in renal tuberculosis] Girard J, et al. J Radiol Electrol Med Nucl 50:560-2, Jul-Aug 69 (Fre)
[Mediastinal and right pleural multicystic hydatidosis (developmental radiologic and tridimensional tomographic study)] Houel J, et al. J Radiol Electrol Med Nucl 50:724-5, Oct 69 (Fre)
[Value of frontal tomography in gas myelography] Lichtenberg R, et al. J Radiol Electrol Med Nucl 51:582-4, Oct 70 (Fre)
[Linear and circular zonography: experimental study and clinical use] Touzeau F, et al. J Radiol Electrol Med Nucl 51:279-86, May 70 (Fre)
[Urotomography with wash-out in the diagnosis of renal artery stenosis] Tréheux A, et al. J Radiol Electrol Med Nucl 52:365-70, May 71 (Fre)
[Tomographic study of the aqueduct of Fallopius] Vignaud J, et al. J Radiol Electrol Med Nucl 51:127-31, Mar-Apr 70 (Fre)
[Elementary systematization of tomo-echographic images: clinical applications] Weill F, et al. J Radiol Electrol Med Nucl 51:389-98, Jun-Jul 70 (Fre)
[Tomography with gas myelography, vertebral trauma and intraspinal lesions] Metzger J, et al. Med Leg Domm Corpor (Paris) 2:58-61, Jan-Mar 69 (Fre)
[Atypical facial neuralgia of 35 years' duration: latero-protuberantial epidermoid cyst; value of hypocycloid tomography] Pradat P, et al. Neurochirurgie 15:497-502, Nov 69 (Fre)
[Check on echoencephalographic measurements of the 3d ventricle by axial pneumoencephalographic tomography] Spengos M, et al. Rev Neurol (Paris) 122:337-42, May 70 (Fre)
[Value of frontal tomography in the diagnosis of optic tract glioma] Montant J, et al. Rev Otoneuroophtalmol 43:31-7, Jan-Feb 71 (Fre)
[Pneumotomography of posterior cranial fossa] Betz H. Fortschr Geb Roentgenstr Nuklearmed 109:319-24, Sep 68 (Ger)
[Tomographic detection of security-glass splinters in the maxillary sinus] Biedermann F, et al. Fortschr Geb Roentgenstr Nuklearmed 114:855-6, Jun 71 (Ger)
[Peculiarities of zonographic presentation] Buchmann F, et al. Fortschr Geb Roentgenstr Nuklearmed 115:99-107, Jul 71 (Ger)
[Pulmonary tomography with the roentgenogram intensifier] Gajewski H, et al. Fortschr Geb Roentgenstr Nuklearmed 113:231-7, Aug 70 (Ger)
[Fracture of the dens axis with post-traumatic isolation and simulation of a dens aplasia] Gombert HJ. Fortschr Geb Roentgenstr Nuklearmed 113:246-7, Aug 70 (Ger)
[Rapid injection or infusion urography in nephrotomography?] Hajós E, et al. Fortschr Geb Roentgenstr Nuklearmed 114:772-6, Jun 71 (Ger)
[Tomography of the cruciate ligament in double contrast arthrography of the knee joint] Kamprad F, et al. Fortschr Geb Roentgenstr Nuklearmed 112:499-504, Apr 70 (Ger)
[Leiomyoma of the esophagus] Olbert F. Fortschr Geb Roentgenstr Nuklearmed 113:11-5, Jul 70 (Ger)
[A soft tissue shadow in the thoracolumbar region simulating a paravertebral abscess] Pietilä K, et al. Fortschr Geb Roentgenstr Nuklearmed 113:248, Aug 70 (Ger)
[Skull tomography in trans-maxillary oblique projection. A simple and versatile setting] Reisner K. Fortschr Geb Roentgenstr Nuklearmed 113:269-77, Sep 70 (Ger)
[Experimental studies on the perceptibility of detail in skull tomograms] Reisner K. Fortschr Geb Roentgenstr Nuklearmed 112:332-44, Mar 70 (Ger)
[Demonstration of pancreatic arteries in simultaneous tomography] Schmidt H. Fortschr Geb Roentgenstr Nuklearmed 114:681-3, May 71 (Ger)
[Diagnostic value of the angiotomogram] Schmidt H, et al. Fortschr Geb Roentgenstr Nuklearmed 112:746-53, Jun 70 (Ger)
[The visualisation of pelvic arteries in simultaneous tomography] Schmidt H, et al. Fortschr Geb Roentgenstr Nuklearmed 114:482-90, Apr 71 (Ger)
[Ultrasonic tomography performed on child's abdomen] Hünig R. Helv Paediatr Acta Suppl 24:3-22, 1970 (Ger)
[Pons tumors in childhood. Pneumoencephalographic and tomographic diagnosis and follow-up after radiotherapy] Neumärker KJ, et al. Radiobiol Radiother (Berl) 11:581-9, 1970 (Ger)
[Roentgen diagnosis of middle ear cholesteatoma with special reference to plane tomography] Biedermann F, et al. Radiol Diagn (Berl) 10:621-40, 1969 (Ger)
[Improvement of the radiological pulmonary diagnosis by oblique tomography] Hämmerlein M, et al. Radiol Diagn (Berl) 11:747-53, 1970 (Ger)
[Thick-layer tomography with linear blurring] Laczay A. Radiol Diagn (Berl) 11:765-70, 1970 (Ger)
[The simultaneous representation of the mediastinum, of the hili and of the peripheral section of the lung by inclination tomography and the use of a special filter] Liess G, et al. Radiol Diagn (Berl) 11:741-6, 1970 (Ger)
[Tomography as an additional examination for the evaluation of lymphadenographs] Lüning M, et al. Radiol Diagn (Berl) 10:595-607, 1969 (Ger)
[Tracheobronchial tomograms with representation of the entire bronchial tree by the use of compensating absorbers] Solger N. Radiol Diagn (Berl) 11:755-63, 1970 (Ger)
[Retrograde presentation of the jugular vein in combination with tomography in tumors of the base of the skull] Betz H, et al. Radiologe 10:475-7, Dec 70 (Ger)
[Tomography of sella region in the controlled encephalography in erect position] Keil HJ, et al. Radiologe 10:461-3, Dec 70 (Ger)
[Preservation of intrasellar cisternes in negative and positive cisternogramms] Piepgras U, et al. Radiologe 10:463-4, Dec 70 (Ger)
[Tomographic studies on the vertebral-basilar circulation] Gerhardt P, et al. Roentgenpraxis 24:49-53, Mar 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Tomography of the hilus] Martin M.
Roentgenpraxis 23:73-86, Apr 70 (Ger)
[New roentgenological examination methods in urology] Bandtlow K.
Z Allgemeinmed 46:1071-6, 31 Jul 70 (Ger)
[Thick layer tomography of the pyramids in infancy and childhood] Laczay A, et al.
Z Laryngol Rhinol Otol 50:103-6, Feb 71 (Ger)
[The role of infusion uronephrotomography in the demonstration of kidney lipomatosis] Gyarmati J, et al. Z Urol Nephrol 63:105-16, Feb 70 (Ger)
[Urotomography in infancy and childhood] Scholz E.
Z Urol Nephrol 62:821-3, Nov 69 (Ger)
[Pneumotomography of the abdominal organs] Bottino S.
Atti Accad Fisiocrit Siena [Med Fis] 17:600-6, 1968 (Ita)
[On the use of an anatomo-tomographic technic in the study of the human body] Rossi de Rubeis S.
Boll Soc Ital Biol Sper 46:183-6, 28 Feb 70 (Ita)
[Further contribution to the use of simultaneous multiple stratigraphy with a standard cassette in the study of the temporal bone] Di Lella V, et al.
Nunt Radiol 35:271-84, Mar 69 (Ita)
[Placental localization by tomography] Vincenzoni M, et al. Nunt Radiol 35:39-67, Jan 69 (Ita)
[Nephrotomography in the radiological diagnosis of expansive lesions of the kidney] Fresia G, et al.
Quad Radiol 35:313-33, 26 Oct 69 (Ita)
[Compensatory contrast methods in mediastino-pulmonary tomography] Piazza G, et al.
Quad Radiol 35:373-92, 26 Oct 69 (Ita)
[Orthopantomography in the radio-diagnosis of "minimal" mucosal changes of the maxillary sinuses] Sinigaglia P, et al.
Quad Radiol 35:393-406, 26 Oct 69 (Ita)
[Tomography in the differential diagnosis of pulmonary tumors] Balestra E.
Radiol Med (Torino) 55:526-38, Jun 69 (Ita)
[Constant pressure tonography with intraocular pressure of the level of extraocular venous pressure] Itoi M.
Acta Soc Ophthalmol Jap 74:1256-62, Sep 70 (Jap)
[Effects of 17-alpha-hydroxy-19-norprogesterone acaproate (SH-582) on prostatic hypertrophy with special reference to estimation of size of the prostate by means of ultrasonotomography] Watanabe H, et al.
Acta Urol Jap 16:433-45, Sep 70 (Jap)
[Symposium: tomography] Tasaka S, et al.
Iryo 24:Suppl:383-5, 1970 (Jap)
[Diagnosis of placental presentation by ultrasonic tomography] Kumakiri Y, et al.
J Jap Obstet Gynecol Soc 23:105-10, Feb 71 (Jap)
[Giant cyst of the spleen--on the diagnosis based on ultrasonic tomography] Yokota M, et al.
Naika 27:355-60, Feb 71 (Jap)
[Axial transverse tomography applied to diseases of paranasal sinus] Matsuda T, et al.
Nippon Acta Radiol 30:55-63, Jan 71 (Jap)
[X-ray diagnosis of the nasopharynx--with special reference to the advantages of nasopharyngeal tomography] Kida T, et al.
Rinsho Hoshasen 15:903-11, Dec 70 (Jap)
[Linear zonography] Moczkowa W, et al.
Pol Przegl Radiol 35:145-55, 1971 (Pol)
[Tomography of the trachea, main and lobar bronchi] Fisher EF, et al. Grudn Khir 12:86-90, Sep-Oct 70 (Rus)
[Value of tomographic study of the spine and special aspects of this method in studying acute forms of scoliosis] Rits IA, et al.
Ortop Travmatol Protez 31:36-9, Jun 70 (Rus)
[Tomography in the diagnosis of orbital neoplasms] Adamov NT, et al.
Vestn Oftalmol 1:53-8, Jan-Feb 70 (Rus)
[Roentgenological picture of parenchymatous segmental pneumonia in the dynamics of the disease] Druzhinina VS.
Vestn Rentgenol Radiol 45:18-24, Sep-Oct 70 (Rus)
[Significance of tomography of the biliary tract following cholecystectomy] Pekerman MIa.
Vestn Rentgenol Radiol 45:66-70, Jul-Aug 70 (Rus)
[Value of tomographic study in acute parenchymatous pneumonia] Solomin GV.
Vestn Rentgenol Radiol 45:60-4, May-Jun 70 (Rus)
[Method of calculating the depth of section in tomography of the lungs in oblique projection] Vigdorchik IV, et al.
Vestn Rentgenol Radiol 45:57-60, May-Jun 70 (Rus)
[Trans-plaster cast tomographic control of the fracture consolidation process after metallo-osteosynthesis] Guliaev VA, et al. Voen Med Zh 3:78-9, Aug 70 (Rus)
[Bronchotomography in the diagnosis of lung tumors] Sazonov AM, et al. Vopr Onkol 16:10-6, 1970 (Rus)
[Radiography of the liver using ultrafluid lipiodol (preliminary note)] Pera Madrazo C, et al.
Rev Esp Enferm Apar Dig 32:357-73, 15 Oct 70 (Spa)
[Transverse tomography with Mimer 3] Bergström K, et al. Nord Med 85:633, 20 May 71 (Swe)
[Tomography in reconstruction of the ear ossicles] Wilbrand H, et al. Nord Med 83:1406-7, 29 Oct 70 (Swe)
[Early diagnosis in chronic, nonspecific lung diseases in children] Kashpurovskaia LO.
Pediatr Akush Ginekol 1:19-20, Jan-Feb 69 (Ukr)

INSTRUMENTATION

Mimer 3 and rotating chair. Fredzell G, et al.
Acta Radiol [Diagn] (Stockh) 7:543-52, Nov 68
Tomography with a gamma camera. Freedman GS.
J Nucl Med 11:602-4, Oct 70
A tomographic scintillation camera. Muehllehner G.
Phys Med Biol 16:87-96, Jan 71
[Use of a tunnel cassette in tomography of the skull] Westernhagen B von. HNO 17:16, Jan 69 (Ger)

VETERINARY

Air ventriculography in the dog brain, utilizing tomography. Yaghmai M, et al.
Am J Vet Res 32:319-26, Feb 71

TONGUE (A3)

The lingual thyroid. Its diagnosis and treatment. Katz AD, et al. Arch Surg 102:582-5, Jun 71
The relation between tongue pigmentation and mental ability. Rao DC. Hum Hered 20:600-3, 1970
Genetics of tongue pigmentation in man. Rao DC. Hum Hered 20:590-9, 1970
Radiologic diagnosis of foreign body of tongue and salivary cyst in a dog. Battershell D.
J Am Vet Med Assoc 158:256-8, 15 Jan 71
A structural and functional classification of mammalian tongues. Baggett H, et al. J Mammal 52:427-9, May 71
Penetrance of the tongue pigmentation allele. Rao DC, et al. Jap J Hum Genet 15:186-91, Dec 70
Tongue pigmentation in newborn. Rao DC, et al.
Jap J Hum Genet 15:182-5, Dec 70
[Dyskinesia involving the bucco-lingual region and lower limbs of regressive course in a chronic alcoholic] Graux P, et al.
Lille Med 15:1283-5, Nov 70 (Fre)
[Lingual thyroid] Watanabe K, et al.
Rinsho Hoshasen 16:361-71, May 71 (Jap)
[Death from a snake bite on the tongue] Shagylydzhov K, et al. Sud Med Ekspert 14:55-6, Apr-Jun 71 (Rus)

ABNORMALITIES

Congenital macroglossia. Gupta OP.
Arch Otolaryngol 93:378-83, Apr 71
The sequelae in a case of sublingual dermoid cyst with ankyloglossia. Hitchin AD, et al.
Br J Oral Surg 8:175-8, Nov 70
A child with two tongues (oral-facial-digital syndrome). Bell RC. Br J Plast Surg 24:193-6, Apr 71
Partial glossectomy for macroglossia. Allison ML, et al.
J Am Dent Assoc 82:852-7, Apr 71
Lingual thyroid: report of case. McDaniel RK, et al.
J Am Dent Assoc 81:1156-8, Nov 70
Defective iodide organification in "cryptothyroidism". Smith JD, et al.
J Okla State Med Assoc 63:195-9, May 70
Ectopic lingual thyroid. Sauk JJ Jr.
J Pathol 102:239-43, Dec 70
Carcinoma of the lingual thyroid. Potdar GG, et al.
Laryngoscope 81:427-9, Mar 71
Lingual thyroid. Davis C. Med J Aust 1:392-3, 13 Feb 71
Median rhomboid glossitis: a developmental anomaly? Baughman R. Oral Surg 31:56-65, Jan 71
Lingual thyroid. Report of a case. Keen RR, et al.
Oral Surg 31:627-30, May 71
Lingual thyroids. Goh EH.
Singapore Med J 12:46-9, Feb 71
Curled tongue and beak deformity in fowls (Gallus domesticus). Boriand ED. Vet Rec 89:135-6, 31 Jul 71
[Adactyly agiosia syndrome with anterior bimaxillary synostosis] Claustre P, et al.
J Fr Otorhinolaryngol 20:821-4, Apr 71 (Fre)
[Agiosia, adactylia and Hanhardt's syndrome. Apropos of 2 cases] Grislain J, et al.
Pediatrie 26:353-64, Jun 71 (Fre)
[Glossectomy and phonation] Deplagne H.
Rev Laryngol Otol Rhinol (Bord) 91:710-2, Sep-Oct 70 (Fre)
[A case of agiosso-adactylia with anterior bone fusion of the jaws] Bernard R, et al.
Rev Stomatol Chir Maxillofac 72:315-20, Mar 71 (Fre)
[Recurring pemphigoid and erosive lichen ruber planus of the oral mucosa with sclerotic macroglossia] Undeutsch W, et al.
Dermatol Monatsschr 156:213-8, 1970 (Ger)
[Paramyloidosis, macroglossia and Raynaud's syndrome in Bence-Jones plasmacytoma] Fateh-Moghadam A, et al.
Dtsch Med Wochenschr 96:539-41 passim, 26 Mar 71 (Ger)
[Intermittent macroglossia] Hornbostel H.
Dtsch Med Wochenschr 95:2500, 4 Dec 70 (Ger)
[On some experimental malformations of the tongue and mandible] Scapecchi G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:17-49, 1968 (Ita)
[On 3 cases of congenital hypothyroidism with lingual ectopic thyroid] Trabalza N, et al.
Clin Pediatr (Bologna) 51:233-50, May 69 (Ita)
[Considerations on the glosso-palatine synechia and hypoplasia of the limbs syndrome] Lupo G, et al.
Minerva Chir 25:1007-10, 31 Jul 70 (Ita)
[The Wiedemann-Beckwith syndrome. Presentation of a case] Canubi A, et al.
Minerva Pediatr 23:472-4, 17 Mar 71 (Ita)
[Lingual thyroid formation in pathology and radioisotope diagnosis] Falcetti E, et al.
Nunt Radiol 34:835-54, Sep 68 (Ita)
[Surgery of the sublingual thyroid gland] Hakata H, et al. Otolaryngology (Tokyo) 43:461-4, Jun 71 (Jap)
[Median cleft of lower lip, mandible and tongue] Grocholski J, et al.
Pol Przegl Chir 42:1129-33, Aug 70 (Pol)
[Aberrant lingual thyroid: presentation of 2 cases] De Asús Alonso R, et al.
Acta Otorinolaryngol Iber Am 21:270-6, 1970 (Spa)
[Syndrome characterized by tongue abnormality, polydactyla, tachypnea and psychomotor retardtion] Gustavson KH, et al.
Lakartidningen 67:4632-5, 7 Oct 70 (Swe)

ANALYSIS

Affinity of chlorhexidine to dental tissues and materials demonstrated with a histochemical staining method. Heyden G, et al.
Sven Tandlak Tidskr 64:233-8, Apr 71
[The histological pattern of lingual mucosa in elderly subjects with particular reference to certain histochemical reactions] Haber-Milewska T.
Czas Stomatol 24:729-37, Jul 71 (Pol)

ANATOMY & HISTOLOGY

Ultrasonic scans of the dorsal surface of the tongue. Minifie FD, et al. J Opt Soc Am 49:1857-60, Jun 71
[Problems of the resting position of the tongue] Breustedt A.
Dtsch Zahn Mund Kieferheilkd 54:308-19, Jun 70 (Ger)
[Nerve fiber bundles of the vallate and fungiform papillae of the primate tongue] Kadanoff D.
Z Mikrosk Anat Forsch 83:321-30, 1971 (Ger)
[Morphology of the root of the tongue. On the lingual follicles and the posterior lingual glands] Tsukio T.
Nippon Ika Daigaku Zasshi 38:86-91, Apr 71 (Jap)

BLOOD SUPPLY

The effect of changes in the blood flow to the tongue on the chorda tympani response in rat. Hellekant G.
Acta Physiol Scand 82:145-53, Jun 71
Control of lingual artery hemorrhage in dogs. Shepherd NJ, et al. Oral Surg 31:298-301, Mar 71
[Sublingual phlebography. A method for the radiologic study of the venous circulation in the neck] Banfi A, et al. Radiol Med (Torino) 55:525-34, Jul 69 (Ita)

CYTOLOGY

Markov chains and cell memories. Sims RT, et al.
J Anat 107:191-2, Jul 70
Two types of keratohyalin granules. Jessen H.
J Ultrastruct Res 33:95-115, Oct 70
[The turnover in the lingual epithelium of the rat studied with the use of radioautography] Cattabriga M, et al. Ann Stomatol (Roma) 19:719-28, Oct 70 (Ita)
[Sex chromatin in various tissues of rabbits of different sexes] Gorokhova GP.
Biull Eksp Biol Med 71:106-8, Mar 71 (Rus)
[The daily mitotic rhythm in mouse tongue epithelium] Mamontov SG.
Biull Eksp Biol Med 66:103-5, Nov 68 (Rus)

DRUG EFFECTS

[Experimental green tongue in SMON] Miyoshi I, et al.
Jap J Clin Med 29:724-5, Feb 71 (Jap)
[Receptor mechanism in the chemoreceptor of the frog tongue. 4. Effects of carboxyl ions] Nomura H, et al.
Med Biol (Tokyo) 81:145-8, 10 Sep 70 (Jap)

EMBRYOLOGY

Differentiation of foetal rat tongue homografts in the anterior chamber of the eye. Farbman AI.
Arch Oral Biol 16:51-7, Jan 71
A radioautographic analysis of the migration and fate of cells derived from the occipital somites in the chick embryo with specific reference to the development of the hypoglossal musculature. Hazelton RD.
J Embryol Exp Morphol 24:455-66, Nov 70
[Development of the tongue in man] Yokoo A.
Nippon Ika Daigaku Zasshi 37:383-9, Dec 70 (Jap)
[Macro-microscopic characteristics of the human lingual tonsil in various age periods] Ialanskii AV.
Arkh Anat Gistol Embriol 59:46-52, Aug 70 (Rus)

GROWTH & DEVELOPMENT

[Macro-microscopic characteristics of the human lingual tonsil in various age periods] Ialanskii AV.
Arkh Anat Gistol Embriol 59:46-52, Aug 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

INJURIES

One more danger from toys. Rementería JL. Pediatrics 47:956-7, May 71

Partial canine glossectomy performed by a piranha. Herman LH. Vet Med Small Anim Clin 66:469, May 71

[Electrical burns of the lips and tongue] Marchac D. Rev Stomatol Chir Maxilliofac 72:292-3, Mar 71 (Fre)

[Self-inflicted injuries of the oral mucosa and their significance in differential diagnosis] Knolle G, et al. Osterr Z Stomatol 68:303-10, Aug 71 (Ger)

INNERVATION

Local taste specificity within lingual nerve fields in the cat. Ishiko N. Brain Res 24:343-6, 1 Dec 70

Peripheral interactions among single papilla inputs to gustatory nerve fibers. Miller IJ Jr. J Gen Physiol 57:1-25, Jan 71

Combined staining by thiolacetic acid and Bielschowsky methods. Nakata T, et al. Stain Technol 46:151-3, May 71

[Nerves of the papilla filiformis of the tongue of the guinea pig] Böck P. Arch Histol Jap 32:399-411, Feb 71 (Ger)

[Morphology of the nerve ending apparatus of the tongue mucosa in monkeys as compared to man] Kadanoff D. Z Mikrosk Anat Forsch 82:445-60, 1970 (Ger)

[Gustatory afferents to the bulbar nucleus intercalatus in the rabbit] Bava A, et al. Boll Soc Ital Biol Sper 45:948-51, 31 Jul 69 (Ita)

[Cholinergic and adrenergic fibers of the rat circumvallate papilla. Histochemical study] Brizzi E. Boll Soc Ital Biol Sper 45:1519-21, 15 Dec 69 (Ita)

[On the action of Ba++ on frog lingual receptors] Taglietti V, et al. Boll Soc Ital Biol Sper 45:1553-5, 15 Dec 69 (Ita)

[Interaction between the taste buds of the tongue in frogs] Taglietti V, et al. Boll Soc Ital Biol Sper 45:1228-32, 15 Oct 69 (Ita)

[Receptor mechanism in the chemoreceptor of the frog tongue. 3. Effects of inorganic anions] Nomura H, et al. Med Biol (Tokyo) 81:77-81, 10 Aug 70 (Jap)

[Does the glossopharyngeal nerve take part in the afferent innervation of the motor apparatus of the tongue?] Zimny R, et al. Folia Morphol (Warsz) 30:69-78, 1971 (Pol)

[Sechenov's inhibition of receptor activity (based on frog tongue chemoreceptors)] Esakov AI. Biull Eksp Biol Med 70:3-6, Oct 70 (Rus)

[Afferent impulsation in the frog lingual nerve during stimulation of the lingual chemoreceptors] Poliakova NN. Fiziol Zh SSSR 57:993-9, Jul 71 (Rus)

METABOLISM

Permeability of tongue epithelium and its relation to taste. Mistretta CM. Am J Physiol 220:1162-7, May 71

MICROBIOLOGY

[Detection of Mycoplasma in the coat of the tongue and stool of SMON patients] Honma Y, et al. Jap J Clin Med 29:753-8, Feb 71 (Jap)

PATHOLOGY

[Tissue reactions to suture materials in artificial tongue lesions] Kovács Z, et al. Stoma (Heidelb) 23:207-11, Nov 70 (Ger)

PHYSIOLOGY

Oral and manual stereognosis and two-point tactile discrimination of the tongue. Laine P, et al. Acta Odontol Scand 29:197-204, Jun 71

Anterior teeth relationship and speech. Studies using cineradiography synchronized with speech recording. Jensen R. Acta Radiol [Diagn] (Stockh) Suppl 276:1+, 1968

Mesial drift of teeth in adult monkeys (Macaca irus) when forces from the cheeks and tongue had been eliminated. Moss JP, et al. Arch Oral Biol 15:979-86, Oct 70

Effect of speech bulb reduction on movement of the posterior wall of the pharynx and posture of the tongue. Shelton RL, et al. Cleft Palate J 8:10-7, Jan 71

A protective mechanism for the tongue: suppression of genioglossal activity induced by stimulation of trigeminal proprioceptive afferents. Sauerland EK, et al. Experientia 26:1226-7, 15 Nov 70

Intravascular taste in rats as demonstrated by conditioned aversion to sodium saccharin. Bradley RM, et al. J Comp Physiol Psychol 75:186-9, May 71

Transmitter mechanism responsible for initiation of sweet and bitter signals in the glossopharyngeal nerve of frogs. Steiner JE. J Dent Res 50:651-2, May-Jun 71

Oral stereognosis in dentulous and edentulous subjects. Litvak H, et al. J Prosthet Dent 25:139-51, Feb 71

Sensitivity of the tongue to electrical stimulation. Pleasonton AK. J Speech Hear Res 13:635-44, Sep 70

Two-point discrimination: asymmetry in spatial discrimination on the two sides of the tongue, a preliminary report. McCall GN, et al. Percept Mot Skills 32:368-70, Apr 71

Correlations between oral form recognition and lingual touch sensitivity. Williams WN, et al. Percept Mot Skills 32:840-2, Jun 71

Tongue cooling: a new reward for thirsty rodents. Mendelson J, et al. Science 170:1418-21, 25 Dec 70

[Construction of a measuring instrument for the registration of tongue and lip pressure] Schopf PM. Fortschr Kieferorthop 32:25-36, Jul 71 (Ger)

[Experimental study on the function of the tongue during the use of the activator] Witt E, et al. Fortschr Kieferorthop 31:109-26, Sep 70 (Ger)

[Studies on a water "rinse effect" after sucrose application to the tongue of the rat] Yamamoto T, et al. J Physiol Soc Jap 33:294-302, 1971 (Jap)

[Oral speculum] Gajda Z. Czas Stomatol 24:333-4, Mar 71 (Pol)

[Linqual fluorescence and certain parameters of health and development of children] Jańczuk Z, et al. Czas Stomatol 24:229-35, Mar 71 (Pol)

[Linguopalatal pressure in children] Proffit WR, et al. Rev Fed Odontol Colomb 18:47-50, Jul-Sep 69 (Spa)

RADIATION EFFECTS

A complication of the use of radiation for malignant neoplasia in chronic discoid lupus erythematosus. Urtasun RC. J Can Assoc Radiol 22:168-9, Jun 71

[Cell kinetic study on the effects of x-irradiation to tongue epithelium of rat] Toda M. J Jap Stomatol Soc 38:159-71, Mar 71 (Jap)

RADIOGRAPHY

[A study of the form and position of the tongue in deaf and mute children by means of teleroentgenography] Borinova LP. Stomatologiia (Mosk) 49:83-5, Sep-Oct 70 (Rus)

SURGERY

Marginal resection of the mandible with reconstruction by tongue flap for carcinoma of the floor of the mouth. Som ML, et al. Am J Surg 121:879-83, Jun 71

Surgical correction of complete lingual ectopia of the thyroid gland. Steinwald OP Jr, et al. Surg Clin North Am 50:1177-86, Oct 70

[Tissue reactions to suture materials in surgical lesions of the tongue] Kovács Z, et al. Fogorv Sz 63:371-3, Dec 70 (Hun)

[Lip reconstruction using a lingual graft] França JG. Rev Assoc Med Bras 17:123-6, Apr 71 (Por)

TRANSPLANTATION

Differentiation of foetal rat tongue homografts in the anterior chamber of the eye. Farbman AI. Arch Oral Biol 16:51-7, Jan 71

TONGUE DISEASES (C4)

Who are our elderly patients? 2. Elfenbaum A. Dent Dig 77:284-90, May 71

Mucocele of anterior lingual tongue glands: report of a case. Heimansohn HC. Dent Dig 76:470-1, Nov 70

Primary lingual tuberculoma. Kakar PK, et al. J Laryngol Otol 85:89-91, Jan 71

A retention cyst in the body of the tongue: report of case. Samuel J, et al. J Oral Surg 28:918-9, Dec 70

Psoriasis of the gingiva and the tongue: report of a case. DeGregori G, et al. J Periodontol 42:97-100, Feb 71

Lingual sebaceous glands and a possible thyroglossal duct. Knapp MJ. Oral Surg 31:70-1 passim, Jan 71

[Tongue abscesses] Stephanopoulos-Brettos B. Stomatologia (Athenai) 27:289-97, Sep-Oct 70 (Gre)

[Clinical and electromyographic study of lingual hemiatrophy] Amabile GA, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1055-69, 1968 (Ita)

[Primary systemic amyloidosis. On a case with predominantly lingual localization] Sartoris S, et al. G Ital Dermatol 44:338-43, Jul 69 (Ita)

[Sarcoidosis of the radix linguae and larynx] Chumakov FI, et al. Probl Tuberk 48:88-9, 1970 (Rus)

COMPLICATIONS

Progressive systemic sclerosis presenting with Raynaud's phenomenon in the tongue and sensory trigeminal neuropathy. Casey EB, et al. Rheumatol Phys Med 11:131-3, Aug 71

[Recurring pemphigoid and erosive lichen ruber planus of the oral mucosa with sclerotic macroglossia] Undeutsch W, et al. Dermatol Monatsschr 156:213-8, 1970 (Ger)

[On the Plummer-Vinson syndrome with precancerous lesions of the tongue] Santoro E, et al. Rass Int Clin Ter 50:753-61, 30 Jun 70 (Ita)

CONGENITAL

[Congenital cyst of the tongue] Dominikowska A. Otolaryngol Pol 25:83-6, 1971 (Pol)

DIAGNOSIS

The problem-ridden tongue. Nelson JF. Alaska Med 13:92-4, Jul 71

Black tongue moniliasis. Dolsky RL. Pediatrics 48:164-5 contd, Jul 71

[Fluorochrome test in the diagnosis of some cases of non-specific glossitis] Michalowski R, et al. Ann Dermatol Syphiligr (Paris) 98:171-8, 1971 (Fre)

[Diagnosis of an ulceration of the mobile tongue] Lartigau G, et al. Rev Odontostomatol Midi Fr 28:114-28, 1970 (Fre)

[Chancriform pyodermia on the dorsal surface of the tongue] Abramova EI, et al. Stomatologiia (Mosk) 49:94-5, Jul-Aug 70 (Rus)

DRUG THERAPY

Urea in the treatment of black hairy tongue. Pegum JS. Br J Dermatol 84:602, Jun 71

Healing of experimental rat tongue ulcers using isobutyl-2-cyanoacrylate. Giunta J, et al. Oral Surg 31:140-5, Jan 71

Absence of response of some tongue conditions in children to administration of vitamins. Yudkin J, et al. Proc Nutr Soc 29:Suppl:8A-9A, May 70

ETIOLOGY

[Tongue fur (etiology and pathogenesis)] Skach M. Cesk Stomatol 70:323-33, Nov 70 (Cze)

[A case of lingual ulceration revealing pulmonary tuberculosis] Lacour M, et al. Bull Soc Med Afr Noire Lang Fr 14:106-8, 1969 (Fre)

[Black hairy tongue (Lingua nigra pilosa seu villosa)] Cieniawa T. Pol Tyg Lek 26:356-7, 8 Mar 71 (Pol)

FAMILIAL & GENETIC

Further analysis of family data on tongue pigmentation in man. Rao DC. Jap J Hum Genet 15:176-81, Dec 70

OCCURRENCE

A survey of 216 elderly men and women in general practice. Taylor GF, et al. J R Coll Gen Pract 21:267-75, May 71

[Chronic diseases of the oral mucosa in children] Hakemer D, et al. Czas Stomatol 24:871-5, Aug 71 (Pol)

PATHOLOGY

Melanosis linguae. Bertrand FR. Cent Afr J Med 16:85-6, Apr 70

Hairy tongue with bilateral peripheral lesions. Abbey L, et al. J Oral Med 26:32-4, Jan-Mar 71

Vitamins B and C and tongue signs in adolescents. Saunders JP, et al. Proc Nutr Soc 29:Suppl:19A+, May 70

[Tuberculosis of the tongue. Study of the pathogenesis in 5 cases] Bambakis Ch, et al. Stomatologia (Athenai) 27:317-22, Nov-Dec 70 (Gre)

SURGERY

[A case of abscess of the tongue in a child] Dudziak A. Wiad Lek 24:775-6, 15 Apr 71 (Pol)

THERAPY

[Clinical picture and treatment of actinomycosis of the tongue] Pliner MA. Stomatologiia (Mosk) 50:84-6, May-Jun 71 (Rus)

VETERINARY

[Circumscribed calcinosis (calcium-gout) at the tongue of a sheep-dog] Hänichen T, et al. Berl Munch Tieraerztl Wochenschr 84:216-7, 1 Jun 71 (Ger)

[Observations on the traumatic tongue ulcer of cattle in the area of Baia-Mare, Rumania] Cristea J, et al. Dtsch Tieraerztl Wochenschr 78:473-5, 1 Sep 71 (Ger)

TONGUE, FISSURED (C4)

The Melkersson syndrome. Terespolsky PS. S Afr Med J 44:1350-4, 28 Nov 70 (34 ref.)

[On some experimental malformations of the tongue and mandible] Scapecchi G, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:17-49, 1968 (Ita)

[Association of inflammatory macrocheilitis, lichen of the oral mucose and lingua plicata] Rafanelli A. G Ital Dermatol 45:589-90, Oct 70 (Ita)

COMPLICATIONS

[Elf facies in congenital idiopathic hypercalcemia

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

macrocheilitis fissured tongue] Desmons F, et al. Bull Soc Fr Dermatol Syphiligr 77:353-5, 1970 (Fre)

TONGUE, FURROWED see TONGUE, FISSURED

(C4)

TONGUE HABITS (F1, F2)

Lingual positions of cleft palate patients with and without velopharyngeal closure. Massengill R Jr, et al. Folia Phoniatr (Basel) 22:185-90, 1970

Prevention of deleterious oral habits. Kapoor DN, et al. Indian J Pediatr 37:143-5, Apr 70

Tongue thrusting: some clinical observations. Wood JM. J Speech Hear Disord 36:82-9, Feb 71

Effect of intertrial interval and verbal reinforcement on choice of front or back tongue position. Dixon PW, et al. Percept Mot Skills 32:59-62, Feb 71

[The role of parafunctions in the formations of habits] György I. Fogorv Sz 64:52-5, Feb 71 (Hun)

[Some considerations on tongue and open-bite] Takimoto K, et al. J Jap Orthod Soc 30:25-38, Jun 71 (Jap)

[Experiences with rehabilitation of the deglutition] Mackiewicz B. Czas Stomatol 24:203-6, Feb 71 (Pol)

TONGUE, HAIRY see under TONGUE DISEASES

(C4)

TONGUE NEOPLASMS (C2)

Thyroglossal tract carcinoma. A review of the literature and addition of eighteen cases. Jaques DA, et al. Am J Surg 120:439-46, Oct 70 (49 ref.)

Granular cell myoblastoma: report of four cases. Goldberg AF. J Oral Surg 29:291-3, Apr 71

Tongue and multiple cutaneous granular-cell myoblastoma. Bernstein BA, et al. Oral Surg 31:312-5, Mar 71

Ancient neurilemmoma of the oral cavity. Eversole LR, et al. Oral Surg 32:440-3, Sep 71

The relationship of syphilis to primary carcinoma of the tongue. Meyer I, et al. Oral Surg 30:678-81, Nov 70

Carcinoma of the tongue. Wyckoff FJ, et al. Postgrad Med 49:118-22, Mar 71

[Lymph node invasion by epitheliomas of the mobile tongue and of the buccal floor. Apropos of 367 cases treated at the Gustave Roussy Institute from 1960 to 1965] Vandenbrouck C, et al. Ann Otolaryngol Chir Cervicofac 87:779-90, Dec 70 (Fre)

[Lingual metastasis from a malignant melanoma of the foot appearing 9 years after exeresis of the latter] Dupont A. Bull Soc Fr Dermatol Syphiligr 78:69, 1971 (Fre)

[Papilledema following lymph node excision] Biervacque A, et al. Bull Soc Ophtalmol Fr 69:879-81, Sep-Oct 69 (Fre)

[Tongue cancer] Maleplate F. Cah Coll Med Hop Paris 10:791-5, Aug 69 (Fre)

[Case of angiomatosis of the O.R.L. sphere] D'Istria JC, et al. J Fr Otorhinolaryngol 18:491, Sep 69 (Fre)

[Abrikossof tumors: 2 recent cases] Piaget F, et al. J Fr Otorhinolaryngol 18:808-9, Dec 69 (Fre)

[Cancer diseases in otorhinolaryngology] Portmann G, et al. Rev Laryngol Otol Rhinol (Bord) 90:1-23, Jan-Feb 69 (Fre)

[Abrikossoff's tumor (apropos of 3 further cases)] Lachard J, et al. Rev Odontostomatol Midi Fr 28:83-91, 1970 (Fre)

[Benign vascular neoplasms of the tongue in infants and adolescents; histopathologic study and clinical considerations] Scopelliti G, et al. Ann Stomatol (Roma) 20:49-66, Jan-Feb 71 (Ita)

[Multiple primary malignant tumors. A case of carcinoma with double focus, laryngeal and lingual; a case of reticulo-sarcoma of Waldeyer's ring] Bisi O. Minerva Otorinolaringol 19:93-102, Mar-Apr 69 (Ita)

[Perlingual indirect lymphography] Comino E, et al. Minerva Radiol 14:523-8, Dec 69 (Ita)

[Vascular granuloma of the tongue in a 9-year-ole child] Rejmanowski T. Pol Tyg Lek 25:1951-2, 14 Dec 70 (Pol)

[Assessment of lymph nodes in cancer of the tongue] Wojcieszek Z, et al. Wiad Lek 24:921-5, 15 May 71 (Pol)

[Angiosarcoma of the tongue] Kupchik BM, et al. Biull Eksp Biol Med 71:91, Mar-Apr 71 (Rus)

[The nature of pain in precancerous conditions and cancer of the tongue at various stages] Martynenko AM. Biull Eksp Biol Med 71:90, Mar-Apr 71 (Rus)

[Abrikossoff's tumor] Senties S, et al. ADM 26:231-4, May-Jun 69 (Spa)

[Reticulosarcomas in otorhinolaryngology] Dordević M. Med Glas 24:166-9, Apr-May 70 (Cro)

DIAGNOSIS

Neurilemmoma of tongue. Sinha SN, et al. J Laryngol Otol 85:623-6, Jun 71

[The rare location of neurogenic tumors in the region of upper respiratory and digestive tracts] Schenk P. HNO 18:309-12, Oct 70 (Ger)

[Chemodectoma of the tongue: differential diagnostic and histogenetic criteria] Scopelliti G, et al. Ann Stomatol (Roma) 19:819-34, Nov 70 (Ita)

DRUG THERAPY

[Combined intra-arterial chemotherapy and endocurietherapy with iridium 192 as curative treatment of mobile tongue T4's (apropos of the first 18 cases treated at the Gustave-Roussy Institut up to and including 1968. Preliminary results)] Baillet F, et al. J Radiol Electrol Med Nucl 51:529-32, Aug-Sep 70 (Fre)

MORTALITY

Survival rates in cancer of the tongue, tonsil, and hypopharynx. Truluck CH Jr, et al. Arch Otolaryngol 93:271-4, Mar 71

OCCURRENCE

[Cancerous lesions of the scalp and the tongue in Morocco] Körbler J. Osterr Z Erforsch Bekaempf Krebskr 25:429-32, 1970 (Ger)

PATHOLOGY

Metastatic malignant melanoma of the tongue. Miller AS, et al. Arch Dermatol 103:201-5, Feb 71 (36 ref.)

Diffuse angiomatosis of the tongue. Giunta J, et al. Arch Otolaryngol 93:83-9, Jan 71

Synovial sarcoma of the tongue. Novotny GM, et al. Arch Otolaryngol 94:77-9, Jul 71

Cancer of the tongue: a study of the regional lymph node spread. Saxena VS. Cancer 27:38-43, Jan 71

Normal chromosomes in mucosol neuroma variant of medullary thyroid carcinoma syndrome. Nankin H, et al. J Med Genet 7:374-8, Dec 70

Chondroma of the tongue. Samant HC, et al. Oral Surg 32:450-2, Sep 71

[Benign tumors of the tongue] Labayle J. Probl Actuels Otorhinolaryngol 177-88, 1969 (Fre)

[2 hemangiopericytoma of the tongue. An hemangiopericytoma of the forehead] Cernéa P, et al. Rev Stomatol Chir Maxillofac 71:435-40, Jul-Aug 70 (Fre)

[Benign mesenchymoma of the tongue] Lavoie R, et al. Union Med Can 97:744-5, Jun 68 (Fre)

[Mouth manifestations of multiple neurofibromatosis] Palattella G, et al. Ann Stomatol (Roma) 17:569-78, Jul 68 (Ita)

[Neurinoma of a mixed, telangiectatic type of the base of the tongue] Cellesi C. Arch De Vecchi Anat Patol 54:847-65, Apr 69 (Ita)

[Hyperplastic hemangioma (pyogenic granuloma, pseudobothriocoma) of the tongue] Muratti G. Arch Ital Otol 80:187-98, May-Jun 69 (Ita)

[On hemangioendothelioma of the tongue] Raffaele N. Riv Anat Patol Oncol 35:37-47, 1969 (Ita)

[Electron microscopic study of the development of experimental tongue cancer] Hattori Y. Nippon Ika Daigaku Zasshi 37:273-84, Aug 70 (Jap)

[Autopsy case of lung cancer with multiple cavities metastasized from the tongue] Saito T, et al. Rinsho Hoshasen 16:209-12, Mar 71 (Jap)

RADIOTHERAPY

Some considerations on radiation therapy of tongue cancer. Horiuchi J, et al. Cancer 28:335-9, Aug 71

Cancer of the tongue: local control of the primary. Saxena VS. Cancer 26:788-94, Oct 70

A seven year survey of changing treatment in carcinoma of tongue. Morris S. Clin Radiol 21:431-8, Oct 70

Effects of radiation therapy in dental practice. Najjar TA. J Can Dent Assoc 36:408-12, Nov 70

Radiotherapy as initial treatment for epidermoid carcinoma of tonsil and base of tongue. Concannon JP. JAMA 217:943-5, 16 Aug 71

The place of implantation in tongue and floor of mouth cancer. Pierquin B, et al. JAMA 215:961-3, 8 Feb 71

Management of recurrences following radiotherapy of carcinomas of the mobile portion of the tongue. Kuhn E. Radiol Clin Biol 39:397-406, 1970

[Epidermoid carcinoma of the tongue and of the floor of the mouth. Study of 245 cases treated in the Gustave-Roussy Institute] Pierquin B, et al. Acta Radiol [Ther] (Stockh) 9:465-80, Oct 70 (Fre)

[Cancers of the mobile part of the tongue. Statistics of 215 personal cases, treated for more than 5 years] Leroux-Robert J, et al. Ann Otolaryngol Chir Cervicofac 87:519-29, Sep 70 (Fre)

[Technical results of preoperative concentrated radiotherapy in surgery of otorhinolaryngologic cancers] Savy J, et al. J Fr Otorhinolaryngol 18:803-5, Dec 69 (Fre)

[Combined intra-arterial chemotherapy and endocurietherapy with iridium 192 as curative treatment of mobile tongue T4's (apropos of the first 18 cases treated at the Gustave-Roussy Institut up to and including 1968. Preliminary results)] Baillet F, et al. J Radiol Electrol Med Nucl 51:529-32, Aug-Sep 70 (Fre)

[Needle treatment of cancer of the base of the tongue by transhyoid approach] Portmann G. Rev Laryngol Otol Rhinol (Bord) 90:589-97, Nov-Dec 69 (Fre)

[Clinico-statistical report of carcinomas of the mobile part of the tongue treated with radiotherapy during the period 1947 to 1964 (318 cases)] Banfi A, et al. Radiol Med (Torino) 56:499-511, Jun 70 (Ita)

[Interstitial radium therapy of carcinoma of the tongue in patients at the Institute of Oncology in Warsaw] Dańczak Z. Nowotwory 21:149-54, Apr-Jun 71 (Pol)

[Treatment of carcinoma of the tongue with telecobalt-60] Wasilewski M, et al. Nowotwory 20:135-40, Apr-Jun 70 (Pol)

[Reticulosarcomas in otorhinolaryngology irradiated by telecobalt therapy during 1960, 1961 and 1962] Janković I. Med Glas 24:170-2, Apr-May 70 (Cro)

SURGERY

Marginal resection of the mandible with reconstruction by tongue flap for carcinoma of the floor of the mouth. Som ML, et al. Am J Surg 121:679-83, Jun 71

Anesthesia for hemimandibulectomy with radical neck dissection. Gupte SR, et al. Anesth Analg (Cleve) 49:756-60, Sep-Oct 70

Median labiomandibular glossotomy. Tollefsen HR, et al. Ann Surg 173:415-20, Mar 71

Cricopharyngeal myotomy. Application and technique in major oral-pharyngeal resections. Mladick RA, et al. Arch Surg 102:1-5, Jan 71

A seven year survey of changing treatment in carcinoma of tongue. Morris S. Clin Radiol 21:431-8, Oct 70

Management of advanced cancer of the tongue. Kothary PM. Indian J Cancer 8:35-9, Mar 71

Compensatory physiologic phonetics for the glossectomee. Skelly M, et al. J Speech Hear Disord 36:101-14, Feb 71

Immediate cricopharyngeal myotomy: an adjunctive technique for major oral-pharyngeal resections. Mladick RA, et al. Plast Reconstr Surg 47:6-11, Jan 71

Management of recurrences following radiotherapy of carcinomas of the mobile portion of the tongue. Kuhn E. Radiol Clin Biol 39:397-406, 1970

[2 cases of reticulosarcoma of the base of the tongue, 1 surgically treated more than 5 years ago] Tchedomir I. Acta Otorhinolaryngol Belg 24:605-9, 1970 (Fre)

[Cancers of the mobile part of the tongue. Statistics of 215 personal cases, treated for more than 5 years] Leroux-Robert J, et al. Ann Otolaryngol Chir Cervicofac 87:519-29, Sep 70 (Fre)

[Myogenic tumors of the tongue and their surgical therapy] Arnaudow M. Fortschr Kiefer Gesichtschir 14:41-4, 1970 (Ger)

[Surgery of carcinomas of the tongue and the floor of the mouth] Schröder F. Fortschr Kiefer Gesichtschir 13:125-30, 1968 (Ger)

THERAPY

Management of cancer of the oral cavity. The trend toward combined radiotherapy and surgery. Leonard JR, et al. Am J Surg 120:514-21, Oct 70

[Cancer of the base of the tongue. Methods of treatment, therapeutic indications, prognosis (apropos of personal statistics of 183 cases treated for 5 years)] Leroux-Robert J, et al. Probl Actuels Otorhinolaryngol 209-39, 1968 (Fre)

[On electrocoagulation in the treatment of cancer of the tongue] Baron F, et al. Rev Laryngol Otol Rhinol (Bord) 90:77-88, Jan-Feb 69 (Fre)

[Special problems of radiotherapy of mouth tumors as exemplified by carcinoma of the tongue] Arnal ML. Fortschr Kiefer Gesichtschir 13:162-76, 1968 (Ger)

[Malignant struma as an ENT problem] Ilić C. Med Glas 24:157-9, Apr-May 70 (Cro)

[Results of treatment of reticulosarcomas in ENT] Takić J, et al. Med Glas 24:169-70, Apr-May 70 (Cro)

VETERINARY

Spontaneous oral papillomatosis in rabbits. Weisbroth SH, et al. J Am Vet Med Assoc 157:1940-4, 1 Dec 70

TONGUE THRUSTING see under TONGUE HABITS

(F1, F2)

TONOMETRY (E1)

Dynamic tonometry. IV. The corneal indentation pulse in giant cell arteritis. Horven I. Acta Ophthalmol (Kbh) 48:710-8, 1970

Applanation tonography at constant intraocular pressure. I. Basic considerations. Linnér E, et al. Acta Ophthalmol (Kbh) 49:165-9, 1971

The Mackay--Marg tonometer. Correlation of the tonogram to the corneal applanations induced by the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tonometer. Stepanik J.
Acta Ophthalmol (Kbh) 48:1140-4, 1970
Mechanical sterilization of the applanation tonometer. 1. Bacterial study. Corboy JM, et al.
Am J Ophthalmol 71:889-91, Apr 71
Mechanical sterilization of the applanation tonometer. 2. Viral study. Corboy JM, et al.
Am J Ophthalmol 71:891-3, Apr 71
Tonogram reading by digital computer. Dallow RL, et al. Am J Ophthalmol 70:922-8, Dec 70
Tonographic tracings in patients with cardiac rhythm disturbances. Haik GM, et al.
Am J Ophthalmol 70:929-34, Dec 70
Validity of MacKay-Marg applanation tonometry following penetrating keratoplasty in man. Wind CA, et al. Am J Ophthalmol 72:117-8, 30 Jul 71
An improved model for instruction in binocular indirect ophthalmoscopy. Bartner H, et al.
Arch Ophthalmol 85:530-3, May 71
Corneal grafts and their effect upon the applanation Schiøtz disparity. Buxton JN, et al.
Arch Ophthalmol 86:28-30, Jul 71
Tonography in infants and children. Johnson GJ, et al.
Can J Ophthalmol 6:24-9, Jan 71
Model analysis of impression tonometry and tonography. Phillips CI, et al.
Exp Eye Res 10:161-82, Oct 70
The use of applanation tonometer massage in formation of filtering blebs. Kalvin NH.
Eye Ear Nose Throat Mon 49:275-6, Jun 70
A comparison of tonographic-trace simulations achieved by two systems: nonlinear elastic and linear viscoelastic. Swigert CJ, et al.
IEEE Trans Biomed Eng 18:97-103, Mar 71
Measurement and control of intraocular pressure in corneal disease. Kaufman HE, et al.
Int Ophthalmol Clin 10:387-401, Summer 70
Theory and calibration of the Schiotz tonometer. II. The resistance of the cornea to deformation. Moses RA, et al. Invest Ophthalmol 10:539-43, Jul 71
Theory and calibration of the Schiotz tonometer. I. The boundary surface of the cornea. Moses RA.
Invest Ophthalmol 10:534-8, Jul 71
On the clinical significances of C and the Po-C ratio. Carter JH. J Am Optom Assoc 41:957-8, Nov 70
Arterial tonometry for the atraumatic measurement of arterial blood pressure. Stein PD, et al.
J Appl Physiol 30:593-6, Apr 71
A reevaluation of edrophonium chloride (Tensilon) tonography in the diagnosis of myasthenia gravis. With observations on some other defects of neuromuscular transmission. Wray SH, et al.
Neurology (Minneap) 21:586-93, Jun 71
Experience with the Draeger applanation tonometer. Finlay RD. Trans Ophthalmol Soc UK 90:887-92, 1970
[Electrotonography in the diagnosis of glaucoma] Kvapilíková K, et al.
Cesk Oftalmol 26:327-31, Nov 70 (Cze)
[Corneal deformation-tonometric weight relation as a method of expressing corneoscleral rigidity] Vancea PP. Bull Mem Soc Fr Ophtalmol 81:414-33, 1968 (Fre)
[Post-tonographic re-establishment of ocular pressure and aqueous flow] Fritz A.
Bull Soc Belge Ophtalmol 150:727-39, 1968 (Fre)
[Manual aplanotometry on recumbent patients] Flament J.
Bull Soc Ophtalmol Fr 69:640-3, Jul-Aug 69 (Fre)
[Critical study of Maklakov's aplanotonometry] Parizot H, et al.
Bull Soc Ophtalmol Fr 69:790-7, Sep-Oct 69 (Fre)
[The Mackay Marg tonometer. 3. The behaviour of the tonogram with increasing displacement of the probe against the corneal applanation] Stepanik J.
Albrecht von Graefes Arch Klin Ophthalmol 182:144-6, 1971 (Ger)
[The intraocular pressure before and after short-waves application] Aust W, et al.
Ber Dtsch Ophthalmol Ges 70:545-51, 1970 (Ger)
[Distribution of intraocular pressure] Bechrakis E.
Ber Dtsch Ophthalmol Ges 70:538-45, 1970 (Ger)
[First results of a preventive ophthalmologic examination in a large chemical factory] Thiel HL.
Ber Dtsch Ophthalmol Ges 70:446-8, 1970 (Ger)
[Determination of testes consistency in bulls, using a tonometer to test the germinative function of the gonads] Leidl W, et al.
Berl Munch Tieraerztl Wochenschr 84:141-4, 15 Apr 71 (Ger)
[Tonometry and tonography in glaucoma diagnosis] Draeger J. Buech Augenarzt 56:28-41, 1971 (Ger)
[Normal limits in Leydhecker's tonography test, as determined in normal eyes by using the mechanical Schioetz-tonometer] Groeschel W, et al.
Dtsch Gesundheitsw 25:1750-2, 10 Sep 70 (Ger)
[Present status of applanation tonometry] Draeger J, et al.
Klin Monatsbl Augenheilkd 157:285-99, Sep 70 (Ger)
[Application tonometry by means of electrical capacity] Illig KM.
Klin Monatsbl Augenheilkd 157:271-2, Aug 70 (Ger)
[Charge and relief test using mydriatics and miotics with the addition of tonography] Makabe R.
Klin Monatsbl Augenheilkd 157:209-15, Aug 70 (Ger)
[Reliable measurements of intraocular pressure in infants using the Mackay-Marg electronic tonometer without general and local anesthesia] Mucsi G, et al.
Klin Monatsbl Augenheilkd 158:417-21, Mar 71 (Ger)
[Tonographic examinations during local injection therapy with dexamethasone] Neumann M, et al.
Klin Monatsbl Augenheilkd 157:334-42, Sep 70 (Ger)
[Pilocarpine test in the diagnosis of glaucoma with aid of tonography] Makabe R.
Ophthalmologica 161:451-9, 1970 (Ger)
[Cystotonometric findings in patients with bladder calculi] Horn G, et al.
Z Urol Nephrol 64:405-10, Jun 71 (Ger)
[Sectorial tonography. Technic for the sectorial evaluation of facility of aqueous humor outflow] Bagolini B, et al. Boll Ocul 48:920-7, Dec 69 (Ita)
[Comparison between the outflow of the aqueous humor through the upper half of the sinus of the anterior chamber and the lower half] Preste E.
Boll Ocul 48:192-206, Mar 69 (Ita)
[Technic for measuring the rate of production of the aqueous humor. Preliminary note] Iuglio N.
Boll Soc Ital Biol Sper 46:465-6, 15 May 70 (Ita)
[Modification of the Biaxter eyeball compression test. Preliminary note] Iuglio N.
Boll Soc Ital Biol Sper 46:462-5, 15 May 70 (Ita)
[Principles of a technic for the study of aqueous outflow] Tieri O.
Boll Soc Ital Biol Sper 46:467-8, 15 May 70 (Ita)
[Theoretical errors in tonography] Itoi M.
Acta Soc Ophthalmol Jap 75:309-19, 20 Jan 71 (Jap)
[Correction of Vc volumes in tonometry, for corneal curvature radii other than 7.8 mm. I. Geometric method] Lauretti A, et al.
Rev Bras Oftalmol 29:349-52, Dec 70 (Por)
[Correction of Vc volumes in tonometry, for corneal curvature radii other than 7,8 mm. II. Apropos of various tables] Romão E, et al.
Rev Bras Oftalmol 29:355-61, Dec 70 (Por)
[Comparative evaluation of tonographic data obtained by the method of elastotonometry and the FET-1] Belen'kiĭ KR, et al. Oftalmol Zh 25:349-50, 1970 (Rus)
[Comparative assessment of several methods of tonographic calculation] Krasnovidov VS, et al.
Oftalmol Zh 25:545-7, 1970 (Rus)
[Study of hydrodynamics of the eye by the vacuum-compression method] Radkovskaia AIa.
Oftalmol Zh 25:279-83, 1970 (Rus)
[Results of diurnal tonometry, eastotonometry and B.L. Radzikhovskiĭ's compression-tonometric test in patients with hypertension] Radzikhovskiĭ BL, et al.
Oftalmol Zh 25:522-6, 1970 (Rus)
[Tonometry and elastotonometry in various body positions] Taniashina LB.
Oftalmol Zh 26:44-8, 1971 (Rus)
[Magnitude of neutralizing diameter in corneal deformation] Avdykovich AA.
Vestn Oftalmol 6:39-43, Nov-Dec 70 (Rus)
[Orbitotonometry in the diagnosis of unilateral exophthalmos] Brovkina AF.
Vestn Oftalmol 1:43-9, Jan-Feb 70 (Rus)
[Importance of study of the elastotonographic characteristics in myopia] Imas IaB.
Vestn Oftalmol 4:71-2, 1970 (Rus)
[Table for the quick determination of impression tonography results] Krasnovidov VS.
Vestn Oftalmol 5:36-9, 1970 (Rus)

INSTRUMENTATION

Procedure for obtaining fluorescent semicircles in applanation tonometry. Bucci MG.
Am J Ophthalmol 71:1140-1, May 71
[Measurement of ocular tension in the newborn with the Mackay-Marg electronic tonometer] Trux E, et al.
Bull Mem Soc Fr Ophtalmol 82:48-53, 1969 (Fre)
[The Mackay-Marg tonometer. II. Experimental analysis of the tonogram] Stepanik J.
Albrecht von Graefes Arch Klin Ophthalmol 181:57-64, 1970 (Ger)
[The Mackay-Marg tonometer. I. Clinical studies] Stepanik J.
Albrecht von Graefes Arch Klin Ophthalmol 180:104-12, 1970 (Ger)
[Disinfection of plastic objects used with Goldmann's applanation tonometer] Schmidt T, et al.
Ophthalmologica 162:129-39, 1971 (Ger)
[Clinical evaluation of Halberg's and Mackay-Marg tonometers] Bucci MG, et al.
Boll Ocul 49:366-73, Jul 70 (Ita)
[Simple tonogram by microtransfiguration tonometer] Yamamori A.
Acta Soc Ophthalmol Jap 75:1034-42, Feb 71 (Jap)
[Use of Maklakov's tonometer in mass examinations in the Sudan] Mikhaĭlova NA, et al.
Oftalmol Zh 25:291, 1970 (Rus)

STANDARDS

Applanation and Schiøtz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71
Applanation and Schiotz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71
Theory and calibration of the Schiotz tonometer. V. A mathematical model of Schiotz tonometry: the volume of indentation. Moses RA.
Invest Ophthalmol 10:601-4, Aug 71
Theory and calibration of the Schiotz tonometer. 3. Friction between tonometer footplate and cornea. Moses RA, et al. Invest Ophthalmol 10:589-91, Aug 71
Theory and calibration of the Schiotz tonometer. IV. A mathematical model of Schiotz tonometry: scale reading and tonometric pressure. Moses RA.
Invest Ophthalmol 10:592-600, Aug 71
[The new law on measurement and standardization] Weigelin E, et al.
Klin Monatsbl Augenheilkd 156:434-7, Mar 70 (Ger)

TONSIL (A3)

Sarcoid of the tonsil. Response to local steroid injection. Miglets AW, et al.
Arch Otolaryngol 92:516-7, Nov 70
Cardiac failure from tonsillar enlargement--a reminder. Gresham EL, et al.
Clin Pediatr (Phila) 10:236-8, Apr 71
A case of sero-positive primary syphilis of the tonsil. Vincenti NH. J Laryngol Otol 85:869-70, Aug 71
[A rare tonsillar foreign body (shell splinter)] Conrad M. HNO 19:206-7, Jul 71 (Ger)
[Actinomyces involvement of pharyngeal tonsil] Helms J. Int Z Vitaminforsch 40:844-5, 1970 (Ger)
[Actinomyces involvement of pharyngeal tonsil] Helms J. Z Laryngol Rhinol Otol 49:844-5, Dec 70 (Ger)
[Pulmonary heart disease caused by chronic obstruction of the upper respiratory tract due to hypertrophy of adenoids and tonsils. Review of the literature and report of a personal case)] Formica U, et al. Minerva Pediatr 21:908-16, 19 May 69 (Ita)
[On a new case of tonsillar calculosis] Pusateri G, et al.
Riv Anat Patol Oncol 35:419-29, 1969 (Ita)
[Calculosis of the tonsillar loge] Stefani M.
Riv Anat Patol Oncol 33:853-89, 1968 (Ita)
[Resistance to adenoviruses of cell cultures grown from tonsil tissue] Vikhot NE, et al.
Mikrobiol Zh 33:184-8, Mar-Apr 71 (Ukr)

ANALYSIS

[Spiramycin. Tissue concentration in the tonsils and adenoids. Research on a new posology in children and adult] Gaillard L, et al.
Lyon Med 225:419-24, 14 Mar 71 (Fre)
[Iron level in the palatal and pharyngeal tonsils] Solisch P, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 190:109-23, 1968 (Ger)
[The qualitative and quantitative demonstration of free amino acids in tonsil tissue with the use of paper chromatography] Wilke J.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:109-21, 1970 (Ger)

CYTOLOGY

Cytology of the tonsils. Scheuer-Karpin R, et al.
Lymphology 3:109-14, Sep 70
Biochemical properties of human tonsillar lymphocytes. Piffkó P, et al.
Pract Otorhinolaryngol (Basel) 32:350-5, 1970
[Study of lymphoreticular reactions on human tonsil-cell suspension] Seipel H.
Wien Klin Wochenschr 81:185-7, 14 Mar 69 (Ger)
[Fluorescence microscopy demonstration of histamine in the mast cells of the human tonsil] Mootz W, et al.
Z Laryngol Rhinol Otol 50:140-5, Feb 71 (Ger)
[Ultrastructure of lymphoid and epithelial tissue of normal (in the dog) and hypertrophic (in man) palatine tonsils] Zurnadzhi IuN.
Zh Ushn Nos Gorl Bolezn 30:54-61, Mar-Apr 70 (Rus)

EMBRYOLOGY

Origin and fate of lymphoid cells in the developing palatine tonsil of the rabbit. A possible mechanism of homing of lymphoid cells. Leene W.
Z Zellforsch Mikrosk Anat 116:502-22, 1971

ENZYMOLOGY

[Electron microscopic study of acid phosphatase in the germinal centers of human tonsils] Stephan R, et al.
Z Zellforsch Mikrosk Anat 115:114-36, 1971 (Ger)
[Histochemical determination of acid and alkaline phosphatase in the pharyngeal tonsil] Soboczyński A, et al. Otolaryngol Pol 24:673-6, 1970 (Pol)
[Activity and distribution of nuclease and nonspecific phosphatase in rabbit tonsils in experimental allergy] Andreĭchenko VI.
Zh Ushn Nos Gorl Bolezn 30:28-34, Mar-Apr 70 (Rus)
[Histochemistry of acid nucleases in human tonsils in chronic tonsillitis] Fedotov AF.
Zh Ushn Nos Gorl Bolezn 30:22-8, Mar-Apr 70 (Rus)
[Activity and distribution of succinate dehydrogenase in tonsillar tissue in patients with chronic tonsillitis]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Kalinovskaia LP.
Zh Ushn Nos Gorl Bolezn 30:34-8, Mar-Apr 70 (Rus)
[Histochemical and morphological changes in the palatine tonsils after ultraviolet irradiation] Tkachenko VN.
Zh Ushn Nos Gorl Bolezn 30:38-43, Mar-Apr 70 (Rus)

IMMUNOLOGY

A comparison of the immune response of tonsils with the appendix and spleen in neonatal rabbits. Godrick EA, et al. Acta Otolaryngol (Stockh) 71:357-64, Apr 71
Immunological role of human tonsils. Surján L Sr, et al. Acta Otolaryngol (Stockh) 71:190-3, Feb-Mar 71
[Tonsil immunologic process] Koburg E.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:65-75, 1970 (Ger)
[Production and importance of immunoglobulins G,A,M in lymphoid tissue of the tonsil] Ricci V, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:97-102, 1970 (Ger)
[Method of determination of the synthesis of immunoglobulins in vitro: preliminary observations] Aiuti F, et al.
Boll Soc Ital Biol Sper 45:720-3, 15 Jun 69 (Ita)
[On the immunology of the palatine tonsil] Ricci V, et al. Valsalva 45:56-88, Apr 69 (Ita)
[On specific local immunity of the upper respiratory tract, with special attention to pharyngeal tonsils] Russolo M, et al. Valsalva 45:25-33, Feb 69 (Ita)
[Effect of ultrasonics on the immunological activity of tissue of the palatine tonsils] Fefgin NP, et al.
Zh Ushn Nos Gorl Bolezn 30:94-9, Mar-Apr 70 (Rus)
[The barrier function of the palatine tonsils] Mel'nikov OF, et al.
Zh Ushn Nos Gorl Bolezn 30:43-50, Mar-Apr 70 (Rus)
[Isolation of antigens of latent adenoviruses in cultures of tonsil and adenoid cells] Vikhot NE, et al. Mikrobiol Zh 32:251-6, 1970 (Ukr)

METABOLISM

Human protein synthesis. V. The effect of antibiotics on an optimized polyphenylalanine synthesizing cell-free system from human lymphatic tissue. Bermek E, et al.
Hoppe Seylers Z Physiol Chem 351:1377-83, Nov 70
[Iron metabolism in the palatine tonsil. Animal experiments using Fe-59] Solisch P, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:26-30, 1970 (Ger)
[Uptake of tritium labelled 3H-thymidine by the tonsil of neonatally thymectomized rabbits] Suzuki M.
J Otolaryngol Jap 73:1808-20, Nov 70 (Jap)
[Comparative study of doxycycline and erythromycin concentrations in the palatine tonsils] Miniti A, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:371-8, Nov 70 (Por)
[Age-conditioned peculiarities in distribution of trace elements (iron, copper, zinc, cobalt) in blood, tonsils and adenoids of children, suffering from some diseases of the pharyngeal lymphatic ring] Grinberg IaI. Zh Ushn Nos Gorl Bolezn 30:82-6, Jul-Aug 70 (Rus)
[Histochemical and morphological changes in the palatine tonsils after ultraviolet irradiation] Tkachenko VN.
Zh Ushn Nos Gorl Bolezn 30:38-43, Mar-Apr 70 (Rus)

MICROBIOLOGY

Actinomyces in tonsillar tissue. A histological study of an autopsy material. Grüner OP.
Acta Pathol Microbiol Scand [A] 79:77-8, 1971
Isolation of mycobacteria from tonsils, naso-pharyngeal secretions and lymph nodes in East Anglia. Stewart CJ, et al. Tubercle 51:178-83, Jun 70
[Dogs as carriers of Streptococcus pyogenes on the mucous membrane of the tonsil] Kurek C, et al.
Przegl Epidemiol 25:263-7, 1971 (Pol)

PATHOLOGY

[Cytomorphologic examination in ataxia telangiectasia] Schöngut L, et al.
Acta Paediatr Acad Sci Hung 11:101-9, 1970 (Fre)
[Pulmonary sarcoidosis--with special reference to the case presenting rebound phenomena in the course of steroid therapy together with superficial lymph node swelling, tonsillopathy and lymphopenia] Mikami R, et al. Naika 27:1377-83, Jun 71 (Jap)
[Cytological study of the contents of the palatine tonsil lacunae in children with bronchial asthma and chronic tonsillitis] Bondarenko AA.
Zh Ushn Nos Gorl Bolezn 30:51-4, Mar-Apr 70 (Rus)

PHYSIOPATHOLOGY

[The barrier function of the palatine tonsils] Mel'nikov OF, et al.
Zh Ushn Nos Gorl Bolezn 30:43-50, Mar-Apr 70 (Rus)

TONSILLAR NEOPLASMS (C2)

Cancer of the tonsilar area. Bertelli A de P, et al.
Eye Ear Nose Throat Mon 49:487-90, Nov 70
Metastatic choriocarcinoma of the tonsil following hysterectomy for an invasive mole and a period of "inactivity" of trophoblastic tissue. Report of a case. Kutty MK, et al. Oral Surg 32:348-52, Aug 71
[Clinical aspects and therapy of mesenchymal tumors of pharynx and tonsils] Zehm S.
Fortschr Kiefer Gesichtschir 14:201-6, 1970 (Ger)
[Malignant melanoma of the palatine tonsil] Rivasi F.
Arch Ital Patol Clin Tumori 13:105-22, Jan-Jun 70 (Ita)
[A unusual case of mesenchimal neoplasm of the palatine tonsil] Avitabile G.
Clin Otorinolaringoiatr 21:447-56, Nov-Dec 69 (Ita)
[Multiple primary malignant tumors. A case of carcinoma with double focus, laryngeal and lingual; a case of reticulo-sarcoma of Waldeyer's ring] Bisi O.
Minerva Otorinolaringol 19:93-102, Mar-Apr 69 (Ita)
[Parapharyngiomas: clinical and radiological considerations] Di Leila V, et al.
Nunt Radiol 35:245-62, Mar 69 (Ita)
[Lipoma of the parotid space with para-tonsillar evolution] Obreja S, et al.
Otorinolaringologie 16:135-41, Mar-Apr 71 (Rum)
[Isolated lymphogranulomatosis of the palatine tonsil] Simoiin VA, et al.
Vestn Otorinolaringol 32:110-2, Sep 70 (Rus)
[Diagnostic and therapeutic errors in malignant tumors of the palatine tonsils] Korolev MF, et al.
Voen Med Zh 6:34-7, Jun 70 (Rus)

DRUG THERAPY

[Results of treatment of tonsillar tumors by olivomycin] Smirnova IN.
Antibiotiki 14:271-4, 1969 (Rus)

ENZYMOLOGY

[Value and limitations of the prognostic significance of changes in the serum level of glycolytic and aminotransferasic enzymatic activity in patients with pharyngo-laryngeal epithelial neoplasms] Merlo G, et al. Arch Ital Otol 80:527-37, Nov-Dec 69 (Ita)

MORTALITY

Survival rates in cancer of the tongue, tonsil, and hypopharynx. Truluck CH Jr, et al.
Arch Otolaryngol 93:271-4, Mar 71

OCCURRENCE

[Reticulosarcomas in otorhinolaryngology] Dordević M. Med Glas 24:166-9, Apr-May 70 (Cro)

PATHOLOGY

Electron microscopy in head and neck oncology. Friedmann I.
Acta Otolaryngol (Stockh) 71:115-22, Feb-Mar 71
Pathologic quiz case. Fechner RE, et al.
Arch Otolaryngol 93:634-7, Jun 71
Ultrastructure of a fibroxanthosarcoma (malignant fibroxanthoma). Merkow LP, et al.
Cancer 28:372-83, Aug 71
Metastatic tumours of the tonsil. Sellars SL.
J Laryngol Otol 85:289-92, Mar 71
A pedunculated tonsillar lymphangioma. Visvanathan PG. J Laryngol Otol 85:93-6, Jan 71
[Extramedullary plasmacytoma with unusual organ localization] Lehmann K, et al.
Dtsch Gesundheitsw 26:469-70, 4 Mar 71 (Ger)
[Lymphoepithelioma with unusual metastasis formation] Bialik VV.
Zh Ushn Nos Gorl Bolezn 30:110-1, Jul-Aug 70 (Rus)

RADIOGRAPHY

[Lymphography of the neck region] Bohutová J, et al.
Cesk Otolaryngol 20:80-3, Apr 71 (Cze)

RADIOTHERAPY

Radiation therapy of carcinoma of the tonsillar region. Fayos JV, et al.
Am J Roentgenol Radium Ther Nucl Med 111:85-94, Jan 71
Radiotherapy as initial treatment for epidermoid carcinoma of tonsil and base of tongue. Concannon JP.
JAMA 217:943-5, 16 Aug 71
[Results of treatment of tonsillar region epithelioma at the Centre Anticancéreux de Lorraine] Roussel J, et al. J Radiol Electrol Med Nucl 49:847-8, Nov 68 (Fre)
[Primary sarcoma of the palatine tonsil with special reference to reticulosarcoma. I. Clinical aspect, prognosis and results of radiation therapy] Halama J.
HNO 19:19-22, Jan 71 (Ger)
[Primary sarcoma of palatine tonsil with special reference to reticulosarcoma. II. The significance of local curie therapy with isotopes and the percutaneous high voltage irradiation] Halama J.
HNO 19:23-6, Jan 71 (Ger)
[Evaluation of 5-year results of the treatment of neoplasms of the palatine tonsils by conventional x-ray therapy] Skowrońska I.
Nowotwory 20:283-8, 1970 (Pol)
[Reticulosarcomas in otorhinolaryngology irradiated by telecobalt therapy during 1960, 1961 and 1962] Janković I. Med Glas 24:170-2, Apr-May 70 (Cro)

SURGERY

[Surgical treatment of tonsillar carcinomas] Naumann HH. Fortschr Kiefer Gesichtschir 13:71-7, 1968 (Ger)
[Surgery of solitary myeloma] Mishchenko AS, et al.
Vestn Khir 105:84-9, Aug 70 (Rus)

THERAPY

Carcinoma of the tonsil: a planned combined therapy approach. Rolander TL, et al.
Laryngoscope 81:1199-207, Aug 71
[Results of treatment of reticulosarcomas in ENT] Takić J, et al. Med Glas 24:169-70, Apr-May 70 (Cro)

TONSILLECTOMY (E4)

Indications for tonsillectomy and adenoidectomy. Stivers FE, et al. Am Fam Physician 3:72-8, Mar 71
The effect of general anesthesia, surgery and hospitalization upon the behavior of children. Davenport HT, et al.
Am J Orthopsychiatry 40:806-24, Oct 70
A controlled study of adenotonsillectomy. Roydhouse N. Arch Otolaryngol 92:611-6, Dec 70
A comparison of pentazocine with morphine in premedication for adenotonsillectomy in children. Sleeman KW, et al. Aust NZ J Surg 40:309-12, Feb 71
Movable operating table top for use in tonsillectomy. Dawkins M. Br J Anaesth 42:741-2, Aug 70
Succinil estriol in bleeding due to adenoidectomy and tonsillectomy. Del Villar R, et al.
Eye Ear Nose Throat Mon 49:234-5, May 70
Local application of epsilon-aminocaproic acid (E.A.C.A.) in the prevention of haemorrhage after tonsillectomy. Overbosch HC, et al.
J Laryngol Otol 84:905-8, Sep 70
Preliminary report on cryosurgery of the tonsils in Thailand. Bunnag C, et al.
J Med Assoc Thai 54:229-38, Apr 71
Ambivalence. Stein L. JAMA 215:1670-1, 8 Mar 71
Previous tonsillectomy and the incidence of acute leukaemia of childhood. Freeman AI, et al.
Lancet 1:1128, 29 May 71
Tonsillectomy, appendicectomy, and Hodgkin's disease. Ruuskanen C, et al. Lancet 1:1127-8, 29 May 71
Tonsillectomy--or not? A vexed question.
Nurs Times 66:1519, 26 Nov 70
The prevention of adenotonsillectomy in children. Roydhouse N. NZ Med J 72:373-6, Dec 70
Indications for tonsillectomy in infectious mononucleosis. Feroli EJ, et al.
Pediatrics 48:338-9, Aug 71
Indications for tonsillectomy and adenoidectomy. Fox JM. Postgrad Med 48:96-101, Aug 70
Effects of plasma fraction I on post-tonsillectomy bleeding. Hiestand P, et al.
Pract Otorhinolaryngol (Basel) 32:193-201, 1970
Tonsillectomy and adenoidectomy. Riley HD Jr.
South Med J 64:895-7, Jul 71
"Should adenotonsillectomy be done in cleft palate patient"? Cross JP, et al. Va Med Mon 98:338-9, Jun 71
[Cryotonsillectomy] Aastrup J, et al.
Nord Med 84:1477-8, 12 Nov 70 (Dan)
[Justification of adenotomy and tonsillectomy] Andersen HC. Nord Med 84:1333-4, 15 Oct 70 (Dan)
[Controlled tonsillectomy and anesthesia of children] Minet JC, et al.
Acta Otorhinolaryngol Belg 24:662-6, 1970 (Fre)
[Clinical experiences with ketamine in adeno-tonsillectmies] Chüden HG.
Anaesthesist 20:155-7, Apr 71 (Ger)
[Does tonsillectomy influence nasal respiration? Results of rhinomanometric examinations following tonsillectomy and adenoidectomy] Bachmann W.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:387-9, 1970 (Ger)
[Late results after tonsillectomies] Osterwald L, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:432-7, 1970 (Ger)
[Abscess tonsillectomy in endotracheal anesthesia] Strümpel P, et al.
Dtsch Gesundheitsw 25:1274-7, 6 Jul 70 (Ger)
[Grisel's syndrome and Hadley disease as a rare complication of tonsillectomy] Chüden HG, et al.
HNO 18:339-42, Nov 70 (Ger)
[Blood loss in tonsillectomy under local anesthesia and intubation anesthesia] Görisch I.
HNO 18:342-3, Nov 70 (Ger)
[The effect of adenotonsillectomy on physical development of children] Herrmann R, et al.
HNO 19:241-5, Aug 71 (Ger)
[Children's tonsillectomy and adenotomy from the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

viewpoint of an insurance doctor] Rutten E.
HNO 17:51, Feb 69 (Ger)
[Changes in bioelectric brain activity under the influence of local anesthesia during tonsillectomy] Steps HJ, et al. HNO 17:261-5, Sep 69 (Ger)
[Is tonsillectomy still justified in the prevention of streptococcal infections?] Sodomann CP.
Internist (Berlin) 12:322-8, Aug 71 (Ger)
[Tonsillectomy] Ristow W.
Med Klin 65:1683-5, 25 Sep 70 (Ger)
[Indications for tonsillectomy and adenotonsillectomy in children] Windorfer A, et al.
Med Klin 65:1685-90, 25 Sep 70 (Ger)
[Study of lymphoreticular reactions on human tonsil-cell suspension] Seipel H.
Wien Klin Wochenschr 81:185-7, 14 Mar 69 (Ger)
[Over 10,000 anesthesias in tonsillectomies and adenotomies (clinical report)] Gabriel W.
Z Laryngol Rhinol Otol 50:405-11, Jun 71 (Ger)
[Insufflation or intubation in the adenotonsillectomy?] Menzel H, et al.
Z Laryngol Rhinol Otol 50:412-7, Jun 71 (Ger)
[The use of Fentanest and of dehydrobenzperidol in premedication for adeno-tonsillectomy in children] Brandolini G, et al.
Acta Anaesthesiol (Padova) 21:623-8, Sep-Oct 70 (Ita)
[Droperidol-diazepam-fentanyl association in tonsillectomy by dissection] Frosali L.
Acta Anaesthesiol (Padova) 20:501-16, May-Jun 69 (Ita)
[Influence of tonsillectomy on thyroid hypertrophy] Morelli G.
Arch Ital Laringol 76:285-93, Sep-Oct 68 (Ita)
[On the physico-chemical characteristics of the volatile anesthetics used in anesthesia for rapid adenotonsillectomy] Varesi M, et al.
Arch Ital Otol 81:51-6, Jan-Feb 70 (Ita)
[Use of phenylbutazone combined with deglycerinated liquorice juice in postoperative care following tonsillectomy and adenoidectomy] Calvet J, et al.
Clin Otorinolaringoiatr 21:319-25, Sep-Oct 69 (Ita)
[Latero-cervical reticulosarcomatosis after tonsillectomy with acute leukemic syndrome appearing during radiotherapy] Maroncelli M.
Clin Otorinolaringoiatr 20:513-23, Nov-Dec 68 (Ita)
[Hemostatic treatment with cryoprecipitate and antifibrinolytics in a hemophilic patient subjected to tonsillectomy] Mancini AF, et al.
Minerva Pediatr 23:868-75, 12 May 71 (Ita)
[Thrombelastographic findings in tonsillectomy] Mauro R, et al.
Rass Int Clin Ter 49:1097-107, 15 Sep 69 (Ita)
[Tonsillectomy] Sato T.
Otolaryngology (Tokyo) 42:827-30, Oct 70 (Jap)
[Tonsillectomy--on the articles by Drs. Yamamoto and Sato] Yamakawa K.
Otolaryngology (Tokyo) 43:547-8, 1971 (Jap)
[Tonsillectomy] Yamamoto T.
Otolaryngology (Tokyo) 42:821-5, Oct 70 (Jap)
[Determination of serum proteins before and after tonsillectomy in adults and before and after adenoidectomy in children] Barciński J, et al.
Pol Tyg Lek 25:1979-81, 21 Dec 70 (Pol)
[Pain control in the immediate and late postoperative period in otorrhinolaryngology] Marcon RP.
Hospital (Rio de J) 77:859-63, Mar 70 (Por)
[Current status of general anesthesia in adeno-tonsillectomy] Ferreira AA, et al.
Rev Bras Anestesiol 20:342-7, Jul-Sep 70 (Por)
[Characteristics of microcirculatory hemostasis based on data of aspirin tolerance test in patients with chronic tonsillitis] Barkagan ZS, et al.
Vestn Otorinolaringol 32:81-4, Sep 70 (Rus)
[Tonsillectomy in a 6-year-old child with hemolytic anemia caused by erythrocytic glucose-6-phosphate dehydrogenase deficiency] Grobshtein SS, et al.
Vestn Otorinolaringol 33:111-2, Jan-Feb 71 (Rus)
[Analysis of the causes of a recurrence of rheumatism in late periods after tonsillectomy] Kostiuk NV.
Vestn Otorinolaringol 32:63-7, Jul-Aug 70 (Rus)
[Use of lidase to heighten the anesthetic effect of novocaine in tonsillectomy] Tkats EI, et al.
Vestn Otorinolaringol 32:109-10, Sep 70 (Rus)
[Effect of the time of the year on the tonsillectomy] Urazbaeva AT, et al.
Vestn Otorinolaringol 33:84-7, Jan-Feb 71 (Rus)
[Ultraviolet irradiation after tonsillectomy] Ivanov FN, et al. Voen Med Zh 11:62-3, Nov 70 (Rus)
[Remote results of tonsillotomy in children] Gerber VKKh, et al.
Zh Ushn Nos Gorl Bolezn 30:120-3, Mar-Apr 70 (Rus)
[Tonsillectomy without injuring the tonsillar tissue] Liande VS.
Zh Ushn Nos Gorl Bolezn 30:120, Mar-Apr 70 (Rus)
[Effect of prednisolone in tonsillectomy in chronic tonsillitis and some associated diseases] Stol'tser IM.
Zh Ushn Nos Gorl Bolezn 31:54-8, May-Jun 71 (Rus)
[Removal of tonsils and adenoids under endotracheal anesthesia] Tsyganov AI, et al.
Zh Ushn Nos Gorl Bolezn 30:88-90, May-Jun 70 (Rus)

ADVERSE EFFECTS

Tonsillectomy and Hodgkin's disease. Player GS.
Lancet 2:317, 7 Aug 71
Tonsillectomy and Hodgkin's disease: the lymphoid tissue barrier. Vianna NJ, et al.
Lancet 1:431-2, 27 Feb 71
Effect of tonsillectomy and adenoidectomy on nasopharyngeal antibody response to poliovirus. Ogra PL. N Engl J Med 284:59-64, 14 Jan 71
Should adenotonsillectomy be done in the cleft palate patient. Goldstone AI, et al.
Va Med Mon 98:133-8, Mar 71
[Hemostatics and blood loss during tonsillectomy] Melon J, et al.
Acta Otorhinolaryngol Belg 24:616-23, 1970 (Fre)
[Value of a primary anti-inflammatory agents, benzydamine, in the sequelae of cold loop tonsillectomy] Wetterwald.
Lille Med 681-2, Jun-Jul 69 (Fre)
[Heart rhythm disturbances during tonsillectomies and their treatment] Yilmaz E.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:426-32, 1970 (Ger)
[Submucous cleft palate as a cause of rhinolalia aperta after tonsillectomy] Opperbeck J.
Int Z Vitaminforsch 40:805-8, 1970 (Ger)
[Thoracic empyema due to Candida after tonsillectomy] Weber KH, et al.
Munch Med Wochenschr 112:2170-3, 27 Nov 70 (Ger)
[Submucous cleft palate as a cause of rhinolalia aperta after tonsillectomy] Opperbeck J.
Z Laryngol Rhinol Otol 49:805-8, Dec 70 (Ger)
[Ketonuria in children after adenotonsillectomy (examination of 150 cases)] Cancemi G.
Boll Mal Orecch Gola Naso 87:307-18, 1969 (Ita)
[Surface hemorrhages caused by tonsillectomy: new hemostatic technic] Grimaldi AL.
Boll Mal Orecch Gola Naso 87:405-9, 1969 (Ita)
[Rare complication after tonsillectomy] Shnaidman BI.
Vestn Otorinolaringol 32:103-4, Jul-Aug 70 (Rus)
[2 cases of Grisel's disease after tonsillectomy] Smolin VN. Vestn Otorinolaringol 33:110-1, Jan-Feb 71 (Rus)
[Complications after tonsillectomy in patients with neurorheumatism] Kovalenko EF, et al.
Zh Ushn Nos Gorl Bolezn 29:112-3, Jul-Aug 69 (Rus)

HISTORY

[75 years of tonsillectomy] Roggenkamp W.
Z Laryngol Rhinol Otol 49:691-6, Oct 70 (Ger)

INSTRUMENTATION

[Newly designed mouth gag for tonsillectomy under general anesthesia] Morioka T, et al.
Jap J Anesthesiol 20:86-8, Jan 71 (Jap)

MORTALITY

Sudden cardiac arrest in adenotonsillectomy. Boatright CF, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1139-45, Nov-Dec 70
Tonsillectomy and adenoidectomy: mortality and morbidity. Pratt LW.
Trans Am Acad Ophthalmol Otolaryngol 74:1146-54, Nov-Dec 70

TONSILLITIS (C5)

[Age related characteristics of hyaluronidase activity and morphohistochemical indices of palatine tonsil tissue in chronic toxico-allergic tonsillitis] Babaian GA, et al. Vestn Otorinolaringol 32:75-81, Sep 70 (Rus)

BLOOD

[Preliminary studies on total serum proteins, seromucoid, sialic acid and haptoglobins in chronic tonsillitis] Sward M, et al.
Wiad Lek 24:531-6, 15 Mar 71 (Pol)
[Agar gel serum protein fractions in different forms of chronic tonsillitis] Abyzov RA.
Vrach Delo 68-71, Jan 71 (Rus)
[Status of the coagulation properties of blood in patients with chronic tonsillitis based on data of thrombelastographic tests] Rafalovich MB, et al.
Zh Ushn Nos Gorl Bolezn 30:103-6, Mar-Apr 70 (Rus)
[Level of alpha-2-macroglobulin, haptoglobin and ceruloplasmin in patients with chronic tonsillitis] Veremeenko KN, et al.
Zh Ushn Nos Gorl Bolezn 30:61-8, Mar-Apr 70 (Rus)
[Cytochemial studies of glycogen in blood leucocytes of children with chronic tonsillitis and rheumatism] Ivanova MV, et al.
Pediatr Akush Ginekol 4:13-4, Jul-Aug 70 (Ukr)

CHEMICALLY INDUCED

[Adverse effect of hydantoin manifested in the form of septic tonsillitis] Temesrekasi D, et al.
Wien Med Wochenschr 120:344-6, 2 May 70 (Ger)

COMPLICATIONS

Combined Hemophilus influenzae pyarthrosis, meningitis and septicemia in a five-year-old child. Robinson LD Jr, et al.
Clin Pediatr (Phila) 10:421-3, Jul 71
Acute airway obstruction in infectious mononucleosis. Gutgesell HP Jr. Pediatrics 47:141-3, Jan 71
Laryngeal diseases due to focal sepsis in the tonsils. Battista Petrillo G.
Rev Laryngol Otol Rhinol (Bord) 91:1035-8, Nov-Dec 70
[Foramina parietalia permagna] Becker-Christensen F.
Ugeskr Laeger 132:1920-1, 8 Oct 70 (Dan)
[Is tonsillogenic septicemia a disease of the young?] Olbrich H. HNO 19:204-6, Jul 71 (Ger)
[Anatomo-clinical conribution to the study of metafocal coronaropathies] Marsili P, et al.
Cardiol Prat 21:87-95, Apr 70 (Ita)
[On pericarditis due to tonsillitis. On a case with benign evolution appearing after Plaut-Vincent pseudomembranous angina] Ziliotto G, et al.
Cardiol Prat 21:81-6, Apr 70 (Ita)
[Focus on the lingual tonsil. Metafocel coronaritis with myocardial damage] Corbacelli A, et al.
Clin Otorinolaringoiatr 21:434-46, Nov-Dec 69 (Ita)
[Rheumatic disease as a social problem: its etiopathogenetic and immunoprophylactic aspects] Di Rocco P. Ig Mod 62:681-98, 1969 (Ita)
[Neurologic complications of chronic tonsillitis] Chekmareva GP.
Klin Med (Mosk) 48:87-93, Sep 70 (Rus)
[The role of the tonsils in the development of tuberculosis of the cervical lymph nodes] Novruzov MA. Probl Tuberk 49:83-6, 1971 (Rus)
[Appearance of agranulocytic reaction associated with acute onset on tonsillitis against a background of ethoxyd, tuberid and metaxid administration] Samillo GK, et al. Probl Tuberk 48:82-3, 1970 (Rus)
Tonsillogenic cerebral disorders] Agte BS, et al.
Sov Med 33:31-4, Dec 70 (Rus)
[Significance of chronic tonsillitis in the pathogenesis of psoriasis] Nesterenko GB, et al.
Vestn Dermatol Venerol 44:19-24, Aug 70 (Rus)
[Tonsillectomy in a 6-year-old child with hemolytic anemia caused by erythrocytic glucose-6-phosphate dehydrogenase deficiency] Grobshtein SS, et al.
Vestn Otorinolaringol 33:111-2, Jan-Feb 71 (Rus)
[Acute and chronic tonsillitis and primary prevention of rheumatism] Kostiuk NV.
Vestn Otorinolaringol 32:70-4, Sep 70 (Rus)
[Immediate and remote results of tonsillectomy in chronic tonsillitis and psoriasis] Lukovskii LA, et al.
Vestn Otorinolaringol 32:23-6, Nov-Dec 70 (Rus)
[Experience in the use of punched cards in studying chronic tonsillitis associated with infectious nonspecific polyarthritis] Troll' GP.
Vestn Otorinolaringol 32:62-7, Sep 70 (Rus)
[Excretion of catecholamines and their precursors in adolescents with toxico-infectious angiocardiopathies] Kaliuzhnaia RA, et al.
Vopr Med Khim 17:26-32, Jan-Feb 71 (Rus)
[Diagnosis of tonsillogenic disease of the heart] Kholodova EA, et al.
Vopr Revm 10:64-7, Oct-Dec 70 (Rus)
[Significance of pathology of the oro- and nasopharynx in the etiology and course of chronic pneumonia in children] Al'tman EM.
Zh Ushn Nos Gorl Bolezn 30:86-9, Jul-Aug 70 (Rus)
[Morphohistochemical characteristics of the pharyngeal lymphoid ring in patients with chronic tonsillitis and lupus erythematosus] Babich NF, et al.
Zh Ushn Nos Gorl Bolezn 30:62-7, Jul-Aug 70 (Rus)

DIAGNOSIS

[The correctness of rejecting a diagnosis of diphtheria in tonsillitis accompanied by isolation of diphtheria bacteria] Blumental' KV.
Zh Mikrobiol Epidemiol Immunobiol 47:121-4, Sep 70 (Rus)
[Relationship between regional leukocytosis index and the intensity of leukocyte migration to the surface of the palatine tonsils in chronic tonsillitis] Kostyshin AT.
Zh Ushn Nos Gorl Bolezn 29:77-81, Jul-Aug 69 (Rus)
esults of observation of children with rheumatism in special boarding schools] Ferents VP, et al.
Pediatr Akush Ginekol 4:6-7, Jul-Aug 70 (Ukr)

DRUG THERAPY

[Dequalinium chloride in bucco-pharyngeal diseases] Coll J. J Fr Otorhinolaryngol 20:71-2, Jan 71 (Fre)
[Experimentation with Colchimax in oto-rhino-laryngology] Lacher.
Rev Laryngol Otol Rhinol (Bord) 91:744-6, Sep-Oct 70 (Fre)
[Treatment of inflammatory diseases of the mouth and pharyngeal space in children] Löw J.
Dtsch Med J 21:905-6, 5 Jul 70 (Ger)
[Further studies of the activity of a new combination of an antibiotic and anti-inflammatory agent in pediatrics. Clinico-therapeutic observations on the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

treatment of pharyngotonsillitis and controlled study of the rapidity of the antipyretic effect] Bellomo G, et al. Clin Pediatr (Bologna) 52:235-45, May 70 (Ita)
[Microflora of the upper respiratory tract and state of immunity in patients with chronic tonsillitis treated with prodigiozan combined with antibiotics] Golosova GV, et al. Antibiotiki 15:946-50, Oct 70 (Rus)
[Comparative evaluation of the effectiveness of several methods of conservative treatment of chronic tonsillitis] Skvirskaia AA.
Vestn Otorinolaringol 33:79-83, Jan-Feb 71 (Rus)
[Effect of prednisolone in tonsillectomy in chronic tonsillitis and some associated diseases] Stol'tser IM.
Zh Ushn Nos Gorl Bolezn 31:54-8, May-Jun 71 (Rus)

ENZYMOLOGY

[On the lysozyme activity in the chronic tonsillitic patient] Hara Y.
J Kumamoto Med Soc 44:986-90, 25 Oct 70 (Jap)
[Histochemistry of acid nucleases in human tonsils in chronic tonsillitis] Fedotov AF.
Zh Ushn Nos Gorl Bolezn 30:22-8, Mar-Apr 70 (Rus)
[Activity and distribution of succinate dehydrogenase in tonsillar tissue in patients with chronic tonsillitis] Kalinovskaia LP.
Zh Ushn Nos Gorl Bolezn 30:34-8, Mar-Apr 70 (Rus)

ETIOLOGY

Gonococcal tonsillitis. Iqbal Y.
Br J Vener Dis 47:144-5, Apr 71
[2 further cases of histoplasmosis due to H. duboisii] Barbotin M, et al.
Med Trop (Mars) 31:323-6, May-Jun 71 (Fre)
[Streptococcus angina, myocarditis and toxoplasmosis following splenectomy] Renschler HE, et al.
Internist (Berlin) 11:150-1, Apr 70 (Ger)
[Epidemic of streptococcal angina or alimentary origin] Nicolau G, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:247-52, May-Jun 71 (Rum)
[Gonorrhea and tonsillitis following genito-oral contact] Hellgren L.
Lakartidningen 68:569-71, 3 Feb 71 (Swe)

IMMUNOLOGY

[On the immunology of the palatine tonsil] Ricci V, et al. Valsalva 45:56-88, Apr 69 (Ita)
[On specific local immunity of the upper respiratory tract, with special attention to pharyngeal tonsils] Russolo M, et al. Valsalva 45:25-33, Feb 69 (Ita)
[Microflora of the upper respiratory tract and state of immunity in patients with chronic tonsillitis treated with prodigiozan combined with antibiotics] Golosova GV, et al. Antibiotiki 15:946-50, Oct 70 (Rus)
[Some problems of correlation between adenoid growth and chronic pneumonia in children] Gadzhimirzaev GA. Pediatriia 49:20-3, Sep 70 (Rus)
[Bacterial allergy in patients with chronic tonsillitis and rheumatism] Temirova KV, et al.
Sov Med 32:128-31, Sep 69 (Rus)
[Selectivity of phagocytosis in the inactive phase of rheumatism] Bolotina AIu, et al.
Vopr Revm 11:17-24, Jan-Mar 71 (Rus)
[Migration of leukocytes to the surface of the palatine tonsils in tonsillitis] Kostyshin AT.
Zh Ushn Nos Gorl Bolezn 30:76-80, Mar-Apr 70 (Rus)
[The barrier function of the palatine tonsils] Mel'nikov OF, et al.
Zh Ushn Nos Gorl Bolezn 30:43-50, Mar-Apr 70 (Rus)
[The immunology of chronic tonsillitis] Soltanov GS.
Zh Ushn Nos Gorl Bolezn 30:89-94, Mar-Apr 70 (Rus)
[Cells of the plasmatic and lymphoid series in the tonsils in chronic tonsillitis. 2] Vizirenko LV.
Zh Ushn Nos Gorl Bolezn 30:100-3, Mar-Apr 70 (Rus)

METABOLISM

[Dynamics of the distribution of rifocin in patients with chronic tonsillitis at different methods of administration] Skurkovich GV, et al.
Antibiotiki 15:1117-20, Dec 70 (Rus)
[Age-conditioned peculiarities in distribution of trace elements (iron, copper, zinc, cobalt) in blood, tonsils and adenoids of children, suffering from some diseases of the pharyngeal lymphatic ring] Grinberg IaI. Zh Ushn Nos Gorl Bolezn 30:82-6, Jul-Aug 70 (Rus)

MICROBIOLOGY

Type distribution of Streptococcus pyogenes in the years 1964-65 and 1968-69. Szita J, et al.
Acta Microbiol Acad Sci Hung 17:347-56, 1970
[Treatment of patients with chronic tonsillitis in isolation of a combination of pathogenic staphylococci and candida fungi from the pharynx] Chistiakova IS, et al. Vestn Otorinolaringol 32:67-70, Sep 70 (Rus)
[Latent adenovirus infection of the tonsils] Povolotskif IaL.
Zh Ushn Nos Gorl Bolezn 30:80-9, Mar-Apr 70 (Rus)

PATHOLOGY

[Cytological study of the contents of the palatine tonsil lacunae in children with bronchial asthma and chronic tonsillitis] Bondarenko AA.
Zh Ushn Nos Gorl Bolezn 30:51-4, Mar-Apr 70 (Rus)
[Morphological studies of cardiovascular system in experimental tonsillitis] Zheleznyak FO, et al.
Fiziol Zh 16:529-34, Jul-Aug 70 (Ukr)

PHYSIOPATHOLOGY

Taste sensitivity in chronic throat infections. Coyas A, et al. Eye Ear Nose Throat Mon 49:10-2, Jan 70
[Transitory electrocardiographic anomalies in acute rheumatic infections] Avegno R, et al.
Cardiol Prat 20:321-30, Aug 69 (Ita)
[Cold reception by the skin in chronic tonsillitis patients] Kurilova LM, et al.
Biull Eksp Biol Med 65:51-3, May 68 (Rus)
[Changes in the phonocardiogram and structure of the cardiac cycle during streptococcal tonsillitis in dogs] Kvitnitskif ME.
Biull Eksp Biol Med 66:35-6, 1968 (Rus)
[Study of cardiodynamics in children with chronic tonsillitis before and after tonsillectomy] Dovzhik OF. Vopr Okhr Materin Det 15:89, Aug 70 (Rus)
[The barrier function of the palatine tonsils] Mel'nikov OF, et al.
Zh Ushn Nos Gorl Bolezn 30:43-50, Mar-Apr 70 (Rus)
[Effect of the focus of chronic infection in the tonsils on the hormonal activity of the adrenal cortex in children] Mozalevskif AF.
Zh Ushn Nos Gorl Bolezn 30:68-71, Mar-Apr 70 (Rus)
[Changes in the phase structure of heart systole in children with rheumatism and chronic tonsillitis] Diatkov VE.
Pediatr Akush Ginekol 3:7-9, May-Jun 69 (Ukr)

SURGERY

Indications for tonsillectomy and adenoidectomy. Fox JM. Postgrad Med 48:96-101, Aug 70
[Cryoeffect on the palatine tonsils in chronic tonsillitis] Potapov II, et al.
Vestn Otorinolaringol 32:26-31, Nov-Dec 70 (Rus)
[Remote results of tonsillotomy in children] Gerber VKKh, et al.
Zh Ushn Nos Gorl Bolezn 30:120-3, Mar-Apr 70 (Rus)
[Tonsillectomy without injuring the tonsillar tissue] Liande VS.
Zh Ushn Nos Gorl Bolezn 30:120, Mar-Apr 70 (Rus)

THERAPY

The prevention of adenotonsillectomy in children. Roydhouse N. NZ Med J 72:373-6, Dec 70
[Peritonsillar abscess] Jongkees LB.
Ned Tijdschr Geneeskd 115:804-6, 1 May 71 (Dut)
[Puncture method for the treatment of peritonsillar abscess] Hasegawa J.
Otolaryngology (Tokyo) 43:241-3, Mar 71 (Jap)
[Use of microwaves in otorhinolaryngology] Nikolaevskaia VP.
Nov Med Priborostr 3:77-80, 1967 (Rus)
[Conservative treatment of chronic tonsillitis] Shukurian KG.
Vestn Otorinolaringol 32:58-63, Jul-Aug 70 (Rus)
[Measures increasing in efficacy of conservative treatment of chronic tonsillitis] Sobol' IM, et al.
Vestn Otorinolaringol 32:20-3, Nov-Dec 70 (Rus)
[Several indices in the functional state of the sympatho-adrenal system in children with chronic tonsillitis in the process of mud therapy] Zubarev VL.
Vopr Kurortol Fizioter Lech Fiz Kult 35:346-50, Jul-Aug 70 (Rus)
[Histochemical and morphological changes in the palatine tonsils after ultraviolet irradiation] Tkachenko VN.
Zh Ushn Nos Gorl Bolezn 30:38-43, Mar-Apr 70 (Rus)

TOOTH (A3)

see also related
DENTISTRY (E6, G2)
DENTITION (A3)
MALOCCLUSION (C4)
MASTICATION (G1)
ODONTOGENESIS (G1)
PALEODONTOLOGY (I)

Editorial. 16,26, or ? Dent Pract Dent Rec 21:348, Jun 71
Two-digit system of designating teeth.
Dent Pract Dent Rec 21:347, Jun 71
Epoxide resin interacting with tooth surface. Patrick RL, et al. J Colloid Interface Sci 35:179-80, Jan 71
Heats of immersion of the components of tooth structure. Brauer GM, et al.
J Dent Res 50:776, May-Jun 71
Pineal teratoma containing a tooth. Ramamurthi B, et al. Neurol India 18:234-5, Dec 70
A few curious and interesting facts concerning the tooth. NY J Dent 41:136-7, Apr 71
[The "Two-Digit" system]
Ned Tijdschr Tandheelkd 78:283-6, Jul 71 (Dut)
[The teeth as a symbol, according to the myth of cadmos] McLuhan M.
Dent Cadmos 37:1735-6, Dec 69 (Ita)
[The tooth bank. Will we also have private banks?] Muratori G. Dent Cadmos 37:1404-8, Oct 69 (Ita)
[Stains and colors of the teeth] Campos Prado E.
An Esp Odontoestomatol 29:513-29, Nov-Dec 70 (Spa)

ANALYSIS

Study of fluorescent characteristics of extracted human teeth by use of a clinical fluorometer. Hall JB, et al. J Dent Res 49:Suppl:1431-6, Nov-Dec 70
System to record magnified images of phosphorescence patterns in dental structures. Wisotzky J, et al.
J Dent Res 50:977, Jul-Aug 71
Thermoluminescence of biological materials.
Christodoulides C, et al.
Nature (Lond) 232:257-8, 23 Jul 71
Microradiography of teeth. Freitas A de, et al.
Oral Surg 30:774-80, Dec 70
Affinity of chlorhexidine to dental tissues and materials demonstrated with a histochemical staining method. Heyden G, et al.
Sven Tandlak Tidskr 64:233-8, Apr 71
[High fluoride content in Greenlandic school children's teeth despite low fluoride content in drinking water] Petersen G. Tandlaegebladet 74:1215-24, Nov 70 (Dan)
[Microradiography and dentistry] Juster M, et al.
Rev Fr Odontostomatol 17:917-26, Aug-Sep 70 (Fre)
[Studies on diffused element content of teeth with amalgam fillings using the neutron activation test] Mocke W. Dtsch Zahnaerztl Z 26:657-64, Jun 71 (Ger)
[Photometric evaluation of the rarefication of implanted hard tissue specimens] Tränkmann J.
Dtsch Zahnaerztl Z 26:388, Mar 71 (Ger)
[The effect of quantitative protein deficiency on the chemical composition of incisors in experimental animals] Fábián T, et al.
Fogorv Sz 64:161-3, Jun 71 (Hun)
[Microscopic structural details of inorganic dental components in different biological stages] Basaglia P, et al. Minerva Stomatol 20:1-4, Jan-Feb 71 (Ita)
[Dentistry and environmental contamination] Ueda K.
J Jap Dent Assoc 24:3-7, Apr 71 (Jap)
[The content of glucosamine and galactosamine in human teeth] Popowicz L.
Czas Stomatol 24:745-50, Jul 71 (Pol)
[A study of lead accumulation in the hard dental tissues by means of spectral analysis] Danilovskiĭ ND, et al.
Stomatologiia (Mosk) 49:1-3, Nov-Dec 70 (Rus)
[The influence of age and cariogenic diet on the content of nucleic acids in rat teeth and jaw bones] Govze IaG.
Stomatologiia (Mosk) 49:16-9, Sep-Oct 70 (Rus)
[Chemical composition of the tooth] Sanchez Planells U.
An Esp Odontoestomatol 26:273-91, Jul-Aug 67 (Spa)
[The scanning microscope--an instrument for studies of hard tissue surfaces] Lindeborg P.
Sven Tandlak Tidskr 64:265-9, Apr 71 (Swe)

ANATOMY & HISTOLOGY

Enamel and bone in shark teeth: with a note on fibrous enamel in fishes. Moss ML.
Acta Anat (Basel) 77:161-87, 1970
Histology of dental pulp in clinically intact deciduous and permanent teeth in children. Heriesová J.
Acta Univ Carol [Med] (Praha) 14:229-34, 1968
The influence of sex-chromosome genes on tooth size in man: a genetic and quantitative study. Alvesalo L.
Am J Orthod 60:420, Oct 71
An analysis of permanent mesiodistal crown size. Sanin C, et al. Am J Orthod 59:488-500, May 71
Observations on the teeth of the mountain gorilla (Gorilla gorilla beringei). Booth SN.
Am J Phys Anthropol 34:85-8, Jan 71
Agenesis and tooth size in the permanent dentition. Baum BJ, et al. Angle Orthod 41:100-2, Apr 71
The place of physical anthropology and comparative odontology in dental education. Sperber GH.
J Dent Educ 34:413-7, Dec 70
Dental variability in isolates. Rosenzweig KA, et al.
J Dent Res 50:155-60, Jan-Feb 71
Tooth form as a distinguishing trait between sexes and human populations. Rosenzweig KA.
J Dent Res 49:Suppl:1423-6, Nov-Dec 70
The Chinese dentition. II. Shovel incisors, Carabelli's cuspa, groove patterns, cusp numbers, and abnormalities in morphology of the permanent teeth. Jien SS. J Formosan Med Assoc 69:264-71, 28 May 70
The Chinese dentition. 3. Mesiodistal crown diameters of permanent and deciduous teeth. Tsai GS.
J Formosan Med Assoc 69:279-85, 28 May 70
Crown and root lengths, and root-crown ratios of lower incisor teeth of mongoloid, non-monoloid retarded and normal individuals. Brown RH.
J Periodont Res 6:140-5, 1971
Visualization of lymphatic microcirculation of oral tissues. I. Development, structure and physiology of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the lymphatic complex. Shapiro L, et al.
J Periodontol 42:334-7, Jun 71 (41 ref.)
Difference in time of crown completion among dental surfaces. Yoshioka M.
Okajimas Folia Anat Jap 47:213-28, 1970
A study of variation in tooth carvings. Rantanen AV.
Scand J Dent Res 78:28-33, 1970
The influence of sex-chromosome genes on tooth size in man. A genetic and quantitative study. Alvesalo L.
Suom Hammaslaak Toim 67:3-54, 1971
Looking into the tooth and its surfaces with ultrasonics. Lees S, et al. Ultrasonics 9:95-100, Apr 71
[Regional odontodysplasia] Rolling I, et al.
Tandlaegebladet 74:1324-31, Dec '70 (Dan)
[Comparison of the spatial relationship of the enamel and dentin-crown relief in the permanent dentition of the cat] Achermann M.
Rev Suisse Zool 77:877-93, 1970 (Ger)
[Stomatology of ruminants (Ruminantia)] Hochstrasser G.
Wien Tieraerztl Monatsschr 57:111-3, 1970 (Ger)
[The distance between the pulp and the surface of the crown] Götz G. Fogorv Sz 63:275-80, Sep 70 (Hun)
[Introduction to the study of the structural organization of the hard dental tissues] Masi PL, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:367-448, 1968 (164 ref.) (Ita)
[Position of individual tooth to adjacent teeth in crowded arch] Matsumoto M, et al.
J Jap Orthod Soc 29:173-82, 1970 (Jap)
[Harmony of tooth-size between maxillary and mandibular dental arch in Japanese] Matsumoto M, et al. J Jap Orthod Soc 30:52-5, Jun 71 (Jap)
[The application of tooth crown characters to the paternity tests] Hanihara K.
Jap J Leg Med 24:224-7, May 70 (Jap)
[Opposing position of the upper teeth to the lower teeth in prognathism] Akazawa M, et al.
Shikwa Gakuho 71:1392-401, May 71 (Jap)
[Opposing positions of the lower teeth to the upper teeth in prognathism] Akazawa M, et al.
Shikwa Gakuho 71:1381-91, May 71 (Jap)
[Anatomical studies on occlusion types in Japanese (Nagano Prefecture). 2. Opposing positions of the upper and lower teeth in 5 occlusion types] Kasahara T. Shikwa Gakuho 70:1213-29, Oct 70 (Jap)
[Interocclusal spaces of the upper and lower teeth] Katagiri T. Shikwa Gakuho 71:132-62, Jan 71 (Jap)
[Anatomical studies of the masticatory surface of teeth in the Japanese. 1. Studies on the extent of the buccal and lingual surface to the occlusal surface and the position of the central groove] Nishimura K.
Shikwa Gakuho 71:642-50, Feb 71 (Jap)
[Anatomical studies on the masticatory surface of teeth in Japanese. 2. Studies on the opposing area of the lower and upper teeth in normal dentition] Nishimura K. Shikwa Gakuho 71:651-68, Feb 71 (Jap)
[Evaluation of the histological technic at fixation decalcification and staining of hard tissue] Mjör IA.
Odontol Tidskr 77:403-19, 31 Dec 69 (Nor)

BLOOD SUPPLY

Blood supply of human fetal teeth. Tobin CE.
Am J Anat 131:217-25, Jun 71
A subjective evaluation of the re-establishment of the neurovascular supply of teeth involved in anterior maxillary osteotomy procedures. Leibold DG, et al.
Oral Surg 32:531-4, Oct 71

CYTOLOGY

Periodic lattice images of hydroxyapatite crystals in human bone and dental hard tissues. Selvig KA.
Calcif Tissue Res 6:227-38, 1970

DRUG EFFECTS

[Characteristics of mineral metabolism in calcified tissue in rats under the effect of chondroitin sulphate under normal conditions and in experimental pathology] Golinskaia MS, et al.
Patol Fiziol Eksp Ter 15:63-4, May-Jun 71 (Rus)

EMBRYOLOGY

[Role of the odontogenic mesenchyme in orinetation of the morphogenesis of the crown of teeth in mice] Héritier M, et al.
C R Acad Sci [D] (Paris) 271:851-3, 7 Sep 70 (Fre)

ENZYMOLOGY

Glycolytic enzyme activities in bovine hard dental tissue at different ages. Bosia A, et al.
Calcif Tissue Res 6:93-102, 1970

GROWTH & DEVELOPMENT

The effect of environmental factors on tooth development: an experimental investigation.
Riesenfeld A. Acta Anat (Basel) 77:188-215, 1970
Growth and development of splanchnocranium in children with total unilateral cleft. Havlová Z.
Acta Chir Plast (Praha) 12:252-3, 1970
Reproducibility of rating stages of tooth formation.
Lebret LM. Am J Orthod 60:90-1, Jul 71
Primary and permanent tooth development. Fanning EA, et al. Aust Dent J 16:41-3, Feb 71
Tooth identity in ovarian teratomas. Main DM.
Br Dent J 129:328-32, 6 Oct 70
The effect of vitamin D in rats maintained on diets with different mineral content but with the same calcium to phosphorus ratio of unity. Harrand RB, et al.
Br J Nutr 24:929-42, Dec 70
Evaluation of unerupted teeth: orthodontic viewpoint.
Di Salvo NA. J Am Dent Assoc 82:829-35, Apr 71
Dental development of the French Canadian child.
Sapoka AA, et al. J Can Dent Assoc 37:100-4, Mar 71
Posteruptive effects of nutrition on teeth. Nikiforuk G.
J Dent Res 49:1252-62, Nov-Dec 70 (76 ref.)
[The first dentition--a contribution to dental development] Heckmann U, et al.
Fortschr Kieferorthop 31:87-95, Sep 70 (Ger)
[Development and eruption of wisdom teeth with missing lateral teeth] Kühr HW, et al.
Fortschr Kieferorthop 31:57-63, Sep 70 (Ger)
[Reorganization of the bone tissue of the alveolar process during the development and eruption of permanent teeth] Karamkarov KhA, et al.
Biull Eksp Biol Med 71:39-42, Mar-Apr 71 (Rus)

INJURIES

Traumatic disruption of the developing incisor in rats.
Levy BA. J Dent Res 50:565-8, May-Jun 71
Etiology and pathogenesis of traumatic dental injuries. A clinical study of 1,298 cases. Andreasen JO.
Scand J Dent Res 78:329-42, 1970
Prognosis of permanent teeth involved in jaw fractures. A clinical and radiographic follow-up study.
Roed-Petersen B, et al.
Scand J Dent Res 78:343-52, 1970
[Unusual consequences of dental injuries in children] Komínek J, et al. Cesk Stomatol 71:70-4, Mar 71 (Cze)
[Late response of the apical tissue to acute trauma] Maiwald HJ. Dtsch Stomatol 20:787-90, Oct 70 (Ger)

INNERVATION

The intramandibular course of the inferior alveolar nerve. Carter RB, et al. J Anat 108:433-40, Apr 71
A subjective evaluation of the re-establishment of the neurovascular supply of teeth involved in anterior maxillary osteotomy procedures. Leibold DG, et al.
Oral Surg 32:531-4, Oct 71
[The tooth as an organ of touch] Schumacher GH.
Osterr Z Stomatol 68:250-7, Jul 71 (Ger)
[Terminal area of the perineurium in the dental nerves of rats] Obst T.
Z Zellforsch Mikrosk Anat 114:515-31, 1971 (Ger)
[Clinico-morphological parallels in the study of innervation of permanent teeth during dentition and formation of roots] Dzhafarova AD.
Biull Eksp Biol Med 71:6-9, Mar-Apr 71 (Rus)

METABOLISM

The metabolic effect of low calcium intake on collagen of bones and dental structures in the rat. Shoshan S, et al. Arch Oral Biol 16:791-800, Jul 71
Equilibrium deposition of fluoride. Zipkin I.
Isr J Med Sci 7:525-7, Mar 71
[Studies on the affinity of citric acid for mineral phase in calcified tissue] Hara S.
J Jap Stomatol Soc 37:303-11, Dec 70 (Jap)
[The influence of electrophoresis on the penetration and distribution of trypsin into dental tissues and periodontium in experimental periodontitis (radioisotope studies)] Izvekova ND, et al.
Stomatologiia (Mosk) 49:11-4, Nov-Dec 70 (Rus)

MICROBIOLOGY

The effect of topical application of chlorhexidine on the bacterial colonization of the teeth and gingiva.
Davies RM, et al. J Periodont Res 5:96-101, 1970

PATHOLOGY

Electron microscopic aspects of teeth taken from the ovarian dermoid cysts. Awazawa Y.
J Nihon Univ Sch Dent 13:13-20, Mar 71

PHYSIOLOGY

Human tooth wear, tooth function and cultural variability. Molnar S.
Am J Phys Anthropol 34:175-89, Mar 71
Stimulus convergence in human teeth. Mumford JM, et al. Arch Oral Biol 15:953-9, Oct 70
Thermal flow through human teeth. Newton AV, et al.
Dent Pract Dent Rec 21:84-6, Nov 70
The stud attachment overlay denture and proprioception. Crum RJ, et al.
J Am Dent Assoc 82:583-6, Mar 71
[The influence of analgesics on slow cerebral cortex potentials in humans following electrical stimulation of teeth] Schmidt J.
Acta Biol Med Ger 24:361-8, 1970 (Ger)
[Biology of tooth changes] Stenvik A.
Nor Tannlaegeforen Tid 81:1-14, Jan 71 (54 ref.) (Nor)

RADIOGRAPHY

A new method for the radiological detection and identification of fragments of teeth and bone recovered from burnt victims. Johanson G, et al.
J Forensic Med 16:26-8, 1969

SURGERY

A modified cryostat technique for tooth sectioning.
Allen WR 3d, et al. J Mammal 52:471-2, May 71

TRANSPLANTATION

A new technique for replants and transplants: clinical report of 229 cases. Colletti GD.
J Oral Med 26:82-4, Apr-Jun 71
Allotransplantation of teeth in man on the basis of the Normal Lymphocyte Transfer (NLT) test. Nordenram A, et al. Odontol Revy 21:169-88, 1970
Tooth transplantation in the mouse. II. The role of the histocompatibility-2 (H-2) system in tooth germ transplantation. Klein J, et al.
Oral Surg 32:513-21, Sep 71
Tooth transplantation by separation and moving of the adjacent alveolar bone. Mavaddat I.
Oral Surg 32:367-70, Sep 71
The transplantation of teeth. Schechter DC.
Surg Gynecol Obstet 132:305-19, Feb 71
[What should one think of dental implantation] Dechaume M. Rev Dent Liban 20:1-10, Sep 70 (Fre)

TOOTH ABNORMALITIES (C16)

Perinatal pathology of costochondral junction in relation to pulmonary hyaline membranes. Ivemark BI, et al. Arch Dis Child 45:711, Oct 70
Familial facial dysplasia. Ide CH, et al.
Arch Ophthalmol 84:427-32, Oct 70
Dental anomalies in association with achondroplasia. Report of two cases. Brook AH, et al.
Br Dent J 129:519-20, 1 Dec 70
Evaginated odontomes in the Keewatin Eskimo. Curzon ME, et al. Br Dent J 129:324-8, 6 Oct 70
Aberrant second premolars. Fass EN.
J Dent Child 37:494-8, Nov-Dec 70
Unilateral maxillary odontodysplasia. Reever JS, et al.
J Dent Child 38:23-8, Jan-Feb 71
Patterns of size reduction in hypodontia. Baum BJ, et al. J Dent Res 50:779, May-Jun 71
The Chinese dentition. II. Shovel incisors, Carabelli's cusps, groove patterns, cusp numbers, and abnormalities in morphology of the permanent teeth. Jien SS. J Formosan Med Assoc 69:264-71, 28 May 70
Transposition--an unusual dental anomaly. Sist TC, et al. NY State Dent J 37:158-61, Mar 71
Unusual dental findings in a patient with a rare bone dysplasia (dyschondrosteosis) and a chromosomal anomaly. Stewart RE, et al.
Oral Surg 32:596-604, Oct 71
[Focal dermal hypoplasia. Goltz's syndrome] Warburg M. Ugeskr Laeger 133:1461, 30 Jul 71 (Dan)
[3 and 4 root upper premolars] Gysel C.
Ned Tijdschr Tandheelkd 78:26-1, Jan 71 (Dut)
[Premolarized lateral upper incisor] Gysel C.
Ned Tijdschr Tandheelkd 78:190, May 71 (Dut)
[Proximal invagination of upper premolars] Gysel C.
Rev Belge Med Dent 25:459-63, 1970 (Dut)
[Unusual topography of mesiodentes] Gysel C.
Rev Belge Med Dent 25:497-8, 1970 (Dut)
[Mesiodentes in identical twins] Gysel C.
Rev Belge Med Dent 25:861-7, 1970 (Dut)
[François' dyscephaly syndrome. (Dyscephaly with bird-head-like symptoms and dental anomalies, dwarfism, hypotrichosis, skin atrophy, microphthalmos and congenital cataract.) Its relation to elastic tissue] Pierard J, et al.
Arch Belg Dermatol Syphiligr 25:439-54, Oct-Dec 69 (Fre)
[Goltz's syndrome in a boy] Walbaum R, et al.
Pediatrie 25:911-20, Dec 70 (Fre)
[Dens in dente] Cavanha AO.
Rev Stomatol Chir Maxillofac 72:207-8, Mar 71 (Fre)
[An anatmo-clinical case of geminate tooth] Vaillant JM, et al.
Rev Stomatol Chir Maxillofac 72:127-9, Jan-Feb 71 (Fre)
[Missing teeth abnormalities in ectodermic dysplasias] Marenduzzo A.
Arch Stomatol (Napoli) 9:245-55, Jul-Sep 68 (Ita)
[Palatal development and dental abnormalities in untreated cases of cleft palate by means of contour line analysis] Tanabe H.
Shikwa Gakuho 71:995-1024, Mar 71 (Jap)
[Geminated teeth in a group of children with malocclusion] Betlejewska M, et al.
Czas Stomatol 24:61-5, Jan 71 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Fused teeth and dental concrescence] Marzola C, et al. Rev Bras Odontol 28:106-10, May-Jun 71 (Por)
[Anomaly of the shape of the tooth (tooth of Majito)] Nečeva Lj. God Zb Med Fak Skopje 16:521-3, 1970 (Ser)
["Dens in dente" C (dens invaginatus; pseudodens in dente)] ADM 28:85-7, Jan-Feb 71 (Spa)
[Mesiodens] Conci OJ, et al. Rev Asoc Odontol Argent 57:265-9, Aug-Sep 70 (Spa)

CHEMICALLY INDUCED

Skull and dental changes produced by a sulfonamide in rats. Goultschin J, et al. Oral Surg 31:290-4, Feb 71
[Side-effects of tetracycline therapy with special reference to tooth disorders] Opperbeck J. Z Laryngol Rhinol Otol 50:393-401, May 71 (Ger)

COMPLICATIONS

Dull in tooth and mind. Br Med J 1:419-20, 20 Feb 71
Agenesis of the corpus callosum in a case of focal dermal hypoplasia. Baughman FA Jr, et al. Mt Sinai J Med NY 37:702-9, Nov-Dec 70
Dens in dente with internal resorption. Bellizzi R. Oral Surg 32:155-6, Jul 71
Periapical abscess from dens in dente. Kendrick JK. Oral Surg 37:838, Jun 71
Oral manifestations of systemic genetic disorders. 3. Gorlin RJ, et al. Postgrad Med 49:155-8, Mar 71
[The incidence of mesiodens in a supernumerary lateral upper incisor] Gysel C. Ned Tijdschr Tandheelkd 77:355-6, Oct 70 (Dut)
[Phonetic disorders related to malformations of the mouth and teeth] Borel-Maisonny S. Rev Laryngol Otol Rhinol (Bord) 91:678-87, Sep-Oct 70 (Fre)
[Oculo-dento-digital syndrome] Dehmel H, et al. Arch Kinderheilkd 183:76-9, May 71 (Ger)

EMBRYOLOGY

[Fusion and gemination of deciduous teeth] Alexandersen V. Tandlaegebladet 74:893-905, Aug 70 (50 ref.) (Dan)

ETIOLOGY

Generalized microdontia probably associated with intrauterine growth retardation in a medieval skeleton. Alexandersen V, et al. Am J Phys Anthropol 33:389-401, Nov 70
Traumatic disruption of the developing incisor in rats. Levy BA. J Dent Res 50:565-8, May-Jun 71
[Lymphangio-hemangiomas in childhood and their effect on the dentition] Schlegel D. DDZ 25:220 passim, Jun 71 (Ger)
[Clinical follow-up studies on late prognosis of Rh-related hemolytic disease of the newborn. II. Stomatologic findings] Solyga P. Paediatr Grenzgeb 9:163-75, 1970 (Ger)
[Maxillary arrangement of unbroken row of teeth in an ovarian dermoid cyst] Matkowitz R. Zentralbl Allg Pathol 114:197-201, 1971 (Ger)
[Considerations on some complications correlated with radiotherapy of cutaneous angiomas] Francesconi G, et al. Boll Mal Orecch Gola Naso 88:215-34, 1970 (Ita)
[Bad sucking habits and their repercussions on the structure of the face, mouth and jaws] Tollaro I, et al. Riv Clin Pediatr 81:1117-24, Nov-Dec 68 (Ita)
[Has leprosy any current interest for today's odontologists?] Sundberg S. Sven Tandlak Tidskr 63:627-31, Sep 70 (Swe)

FAMILIAL & GENETIC

Missing maxillary lateral incisors: a genetic study. Woolf CM. Am J Hum Genet 23:289-96, May 71
Genetics in dentistry. Goose DH. Dent Pract Dent Rec 20:414-6, Aug 70
Dental morphologic variation and the Hardy-Weinberg law. Sofaer JA. J Dent Res 49:Suppl:1505-8, Nov-Dec 70
The genetics and development of fused and supernumerary molars in the rice rat. Sofaer JA, et al. J Embryol Exp Morphol 26:99-109, Aug 71
Manifestations of genetic diseases in the human pulp. Witkop CJ Jr. Oral Surg 32:278-316, Aug 71 (118 ref.)
Variability of facial and dental characteristics in trisomy G. Cohen MM. South Med J 64:Suppl1:51-5, Feb 71
Taurodontism. A report of a case with familiar occurrence. Lehtinen R. Suom Hammaslaak Toim 67:71-3, 1971
[Study of orthodontic anomalies in twins and their parents with regard to heredity] Bartošová A. Cesk Stomatol 70:350-9, Nov 70 (Cze)
[Interpretation of numerical and morphological dental abnormalities relative to their evolutive tendencies] Quinet GE, et al. Bull Group Int Rech Sci Stomatol 14:81-8, Jan 71 (Fre)
[Gemination, mesiodens and genetics] Gysel C. Rev Belge Med Dent 26:145-7, 1971 (Fre)
[Dentition anomalies within a family] Bozzay L, et al. Fogorv Sz 63:343-6, Nov 70 (Hun)

OCCURRENCE

Dental asymmetry as an indicator of genetic and environmental conditions in human populations. Bailit HL, et al. Hum Biol 42:626-38, Dec 70
Three-rooted mandibular first permanent molars in Alberta Indian children. Somogyi-Csizmazia W, et al. J Can Dent Assoc 37:105-6, Mar 71
Abnormalities of the permanent dentition in trisomy G. Cohen MM, et al. J Dent Res 49:Suppl:1386-93, Nov-Dec 70
[Statistical analysis of systematic combined examinations by the stomatologist and the speech therapist] Baume L, et al. Rev Laryngol Otol Rhinol (Bord) 91:692-5, Sep-Oct 70 (Fre)
[Tooth and jaw anomalies in relation to growth and constitution (clinical and statistical contribution)] Pini Prato G, et al. Riv Clin Pediatr 82:268-74, Oct-Dec 69 (Ita)
[Statistical study of the dental agenesis of permanent dentition in Japanese (Nagano Prefecture)] Kasahara T, et al. Shikwa Gakuho 70:1191-5, Sep 70 (Jap)
[Genetic model of the marginal ridge and the formation of shovel-shaped permanent incisors in the current population of Puna Saitojujena] Devoto FC, et al. Rev Soc Argent Biol 45:75-9, Apr-Jul 69 (Spa)

PATHOLOGY

[Studies on tooth germ anomalies in the inter-jaw margination] Pfeiffer G. Dtsch Zahnaerztl Z 26:352, Mar 71 (Ger)

RADIOGRAPHY

Compound composite odontome. Chong GJ. Oral Surg 31:280, Feb 71
Dens in dente. Compton DE. Oral Surg 30:647, Nov 70
Unusually located supernumerary tooth and four-rooted mandibular third molar. Gelfman WE. Oral Surg 30:646, Nov 70
Anomalous tooth development. Schaberg SJ. Oral Surg 30:782-3, Dec 70
Dens in dente. Shapiro L. Oral Surg 30:782, Dec 70

THERAPY

Endodontic treatment of a fused mesiodens: report of case. Harris WE. J Am Dent Assoc 83:643-6, Sep 71
[Facial hemihypertrophy] Pohl G, et al. Z Aerztl Fortbild (Jena) 64:1087-90, 1 Nov 70 (Ger)

VETERINARY

Anomalies in the position of lower teeth in the fisher, Martes pennanti Erxl. (Mammalia; Mustelidae). Herán I. Can J Zool 48:1465, Nov 70
Dental anomalies in caribou, Rangifer tarandus. Miller FL, et al. J Mammal 52:164-74, Feb 71
[Stomatology of ruminants (Ruminantia)] Hochstrasser G. Wien Tieraerztl Monatsschr 57:111-3, 1970 (Ger)
[On the stomatology of the domestic rabbit] Hochstrasser G. Wien Tieraerztl Monatsschr 57:254-6, Jun-Jul 70 (Ger)

TOOTH ABRASION (C4)

Occusal wear in prosthodontics. Mahalick JA, et al. J Am Dent Assoc 82:154-9, Jan 71
Abrasivity of current dentifrices. Council on Dental Therapeutics. J Am Dent Assoc 81:1177-8, Nov 70
Studies on the wear of porcelain, enamel, and gold. Monasky GE, et al. J Prosthet Dent 25:299-306, Mar 71
Fern root planes. Taylor RM. NZ Dent J 66:248-51, Jul 70
Electron microscopy of human dentin exposed by attrition. Tronstad L, et al. Scand J Dent Res 79:160-71, 1971
Histochemical observations on human dentin exposed by attrition. Tronstad L, et al. Scand J Dent Res 79:151-9, 1971
Effect of toothbrushing on acrylic resin veneering material. I. A study of abrasion in vitro. Wictorin L. Sven Tandlak Tidskr 64:247-54, Apr 71
[Tooth abrasion in old age] Huszár G. Fogorv Sz 64:65-72, Mar 71 (Hun)
[The wear resistance of enamel and dentin of human teeth] Remizov SM, et al. Stomatologiia (Mosk) 49:8-10, Nov-Dec 70 (Rus)
[The state of dental tissues and periodontium in pathological detrition of hard dental tissues] Ryzhkov EV, et al. Stomatologiia (Mosk) 49:62-5, Jul-Aug 70 (Rus)
[Morphology of the vestibular bony crest in the human maxilla] Barletta BO, et al. Rev Asoc Odontol Argent 57:281-7, Aug-Sep 70 (Spa)

COMPLICATIONS

Effect of attrition on subjacent dentin and pulp. Tronstad L, et al. J Dent Res 50:1-30, Jan-Feb 71

ETIOLOGY

[The effect of stainless steel holding clasps on the hard dental tissues] Ponomareva VA, et al. Stomatologiia (Mosk) 49:85, Sep-Oct 70 (Rus)

THERAPY

[Dental enamel erosion of unknown etiology] Werner WO. ZWR 80:236-9, 25 Mar 71 (Ger)
[Prosthesis in increased abrasion of hard dental tissues] Gorovoĭ BIa, et al. Stomatologiia (Mosk) 49:83-9, Nov-Dec 70 (Rus)

TOOTH ANKYLOSIS see under TOOTH

ABNORMALITIES (C16)

TOOTH APEX see under TOOTH ROOT (A3)

TOOTH, ARTIFICIAL (E6)

Pontic form in fixed partial dentures. Henry PJ. Aust Dent J 16:1-7, Feb 71
Occusal wear in prosthodontics. Mahalick JA, et al. J Am Dent Assoc 82:154-9, Jan 71
Acrylic resin tooth impant: a progress report. Ashman A. J Prosthet Dent 25:342-7, Mar 71
The effects of change in the incisal guide angle on cusp angulation. Christensen FT. J Prosthet Dent 26:93-8, Jul 71
Letter to the editor: a comparative study of shade-matching procedures. Culpepper WD. J Prosthet Dent 25:100-1, Jan 71
Chrome-cobalt alloy pontics for fixed partial dentures. Braddy RE. J Prosthet Dent 25:638-41, Jun 71
Letter to the editor: a comparative study of shade-matching procedures. McCurdy F. J Prosthet Dent 25:99-100, Jan 71
Factors influencing the position of artificial upper anterior teeth. Payne AG. J Prosthet Dent 26:26-32, Jul 71
Acrylic resin tooth implant: a progress report. Ashman A. NY J Dent 41:65-8, Feb 71
[Equilibrated mounting of artificial teeth] Henocque MF, et al. Rev Stomatoodontol Nord Fr 26:99-103, 1971 (Fre)
[The articulation equilibrium of prostheses with acrylate teeth] Kovács G. Dtsch Zahnaerztl Z 25:924-9, Sep 70 (Ger)
[The occlusal relief of artificial molars] Rossbach A. Dtsch Zahnaerztl Z 25:848-51, Aug 70 (Ger)
[Indications for the use of plastics and porcelain for incisor replacement] Jantzen J. Osterr Z Stomatol 67:478-80, Dec 70 (Ger)
[The choice of the anterior teeth in complete prosthesis] Borio SP. Dent Cadmos 37:1395-403, Oct 69 (Ita)
[The Centrimatic teeth] Dent Cadmos 37:1578-82, Nov 69 (Ita)
[Some problems in crown-bridge. 2. Pontic] Richter WA, et al. J Jap Dent Assoc 23:773-6, Nov 70 (Jap)
[Artificial teeth with spherical masticatory surfaces] Napadov MA, et al. Stomatologiia (Mosk) 49:86-7, Nov-Dec 70 (Rus)
[Color in our profession] Ortiz Silva J. Rev Fed Odontol Colomb 17:35-7, Jul-Sep 68 (Spa)
[A summary of clinic course organization at Dental College, University of Baghdad, Iraq and some reflections arising therefrom] Karlström S. Sven Tandlak Tidskr 64:119-28, Feb 71 (Swe)
[The importance of phonetic tests for esthetic designing of dentures] Gürtler E. Cesk Stomatol 71:204-7, Jul 71 (Slo)

ADVERSE EFFECTS

[Relationship between pontic and gingival crest. Research report] Stein RS. Rev Fr Odontostomatol 18:41-76, Jan 71 (Fre)

TOOTH CALCIFICATION (G1)

A radiological approach to early tooth morphology in small mammals. Park AW. Acta Anat (Basel) 76:16-24, 1970
The calcification pattern of deciduous teeth in miniature swine. McKean CF, et al. Arch Oral Biol 16:639-48, Jun 71
Different localization of tetracycline and simultaneously injected radiocalcium in developing enamel. Hammarström L. Calcif Tissue Res 1:229-42, 20 Dec 67
Investigations on 'remineralisation profiles' of teeth. Knappwost A, et al. Caries Res 5:12, 1971
The effect on sound human enamel of exposure to calcifying fluids in vitro. Silverstone LM, et al. Caries Res 5:13-4, 1971
Electron microscopical and laser diffraction studies of the nucleation and growth of crystals in the organic matrix of dentine. Höhling HJ, et al. Z Zellforsch Mikrosk Anat 117:381-93, 1971
[Nutrition and the deciduous dentition] Boutot JM. Rev Fr Odontostomatol 17:803-8, Jun-Jul 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Development and eruption of wisdom teeth with missing lateral teeth] Kühr HW, et al.
Fortschr Kieferorthop 31:57-63, Sep 70 (Ger)
[Root calcification and tooth eruption in the mixed dentition. A study in panoramic x-rays] Schopf PM.
Fortschr Kieferorthop 31:39-56, Sep 70 (Ger)
[The effect of hypodynamia on the mineral and protein metabolism in calcified tissues of the maxillodental system (experimental radioisotope study)]
Prokhonchukov AA, et al.
Stomatologiia (Mosk) 49:1-6, Jul-Aug 70 (Rus)

DRUG EFFECTS

Factors affecting the rate of post-eruptive maturation of dental enamel. Briner WW, et al.
Calcif Tissue Res 7:249-56, 1971
The systemic effects in the rat of cariogenic diets with varied protein-calorie levels. 1. Effects on blood.
Bunyard MW. Caries Res 4:347-59, 1970
Influence of sodium ethane-1-hydroxy-1, 1-diphosphonate and Mg 2+ on the inorganic pyrophosphatase in calcifying hamster-molars.
Woltgens JH, et al. Isr J Med Sci 7:406, Mar 71
[Effect of sodium selenate on the calcification of teeth and jaws of young rats. Studies using tetracycline]
Kaqueler JC, et al.
Arch Sci Physiol (Paris) 24:157-63, 1970 (Fre)

TOOTH, DECIDUOUS (A3)

see also related
DENTITION (A3)

Linear hypoplasia of deciduous incisor teeth in malnourished children. Jelliffe DB, et al.
Am J Clin Nutr 24:893, Aug 71
Cross-bite correction in the deciduous dentition: principles and procedures. Clifford FO.
Am J Orthod 59:343-9, Apr 71
The incidence and nature of space closure following the premature extraction of deciduous teeth: a literature study. Owen DG. Am J Orthod 59:37-49, Jan 71 (49 ref.)
Caries incidence in human primary teeth during the period of the mixed dentition. Glass RL, et al.
Arch Oral Biol 15:1007-14, Nov 70
Restoration of the extensively carious primary molar.
Allen KR. Aust Dent J 16:8-12, Feb 71
Social differences in the dental conditions and dental needs of 5-year-old children in four areas of the West Midlands. Beal JF, et al. Br Dent J 129:313-8, 6 Oct 70
Vital pulpotomy of deciduous molars using N2 and other materials. Hannah DR, et al.
Br Dent J 130:99-107, 2 Feb 71
Local disturbances attributed to eruption of the human primary dentition. A survey. Seward MH.
Br Dent J 130:72-7, 19 Jan 71
Maternal diabetes and changes in the hard tissues of primary teeth. 2. A further clinical study. Grahnén H, et al. Caries Res 2:333-7, 1968
Pulp reactions in carious deciduous teeth. Hattyasy D.
Caries Res 5:12-3, 1971
Treatment of non-vital deciduous teeth in general practice. Palmer JD.
Dent Pract Dent Rec 21:150-2, Jan 71
Pattern of primary dentition. Derasari AJ.
Indian Pediatr 7:113-23, Feb 70
Case presentation visual aids for pulp therapy in primary teeth. Gellin ME.
J Can Dent Assoc 37:241-3, Jun 71
Clinical effect of formaldehyde preparations in pulpotomy for primary molars. Weinlander GH.
J Can Dent Assoc 37:154-9, Apr 71
Modification of the stainless steel crown for primary teeth. Mink JR, et al.
J Dent Child 38:197-205, May-Jun 71
Sequence polymorphism in prenatal dental development. Burdi AR, et al.
J Dent Res 49:Suppl:1554, Nov-Dec 70
Therapeutic pulpotomy in primary molars--clinical and histological follow-up. II. Zinc oxide-eugenol as wound dressing. Magnusson B.
Odontol Revy 22:45-54, 1971
Pulp capping of primary teeth with zinc oxide eugenol.
Sveen OB. Odontol Tidskr 77:427-36, 31 Dec 69
Effect on deciduous and permanent teeth of tetracycline deposition in utero. Anthony JR.
Postgrad Med 48:165-8, Oct 70
Dentistry for pre-school children. Sutcliffe P.
Public Health 84:299-304, Sep 70
Attempts to predict prognosis of pulpotomy in primary molars. Bacteriologic and histologic examination.
Magnusson B. Scand J Dent Res 78:232-40, 1970
Pulpotomy of primary molar teeth using "Toverud's paste". Sveen OB. Scand J Dent Res 78:149-62, 1970
[Premature loss of primary teeth. Frequency and results studied longitudinally in 186 children] Birn B, et al. Tandlaegebladet 74:1301-11, Dec 70 (Dan)
[Ectodermal dysplasia. Prosthetic treatment of 2 4-year-old boys] Bjerregaard I, et al.
Tandlaegebladet 75:284-9, Apr 71 (Dan)
[Crossbite in primary dentition] Ravn JJ, et al.
Tandlaegebladet 75:268-75, Apr 71 (Dan)
[A therapeutic method for vital exposed dental pulp in the deciduous dentition] Berendsen.
Rev Belge Med Dent 26:51-5, 1971 (Dut)
[Chronology of eruption of deciduous incisors in Rwanda] Hiernaux J, et al.
Ann Soc Belg Med Trop 47:443-50, 1967 (Fre)
[Treatment of caries in temporary teeth] Harndt R.
Rev Belge Med Dent 26:3-14, 1971 (Fre)
[Prefabricated crowns on temporary teeth. Indications] Mugnier A, et al.
Rev Belge Med Dent 26:35-7, 1971 (Fre)
[Nutrition and the deciduous dentition] Boutot JM.
Rev Fr Odontostomatol 17:803-8, Jun-Jul 70 (Fre)
[Morphological reactions in the pulp of carious deciduous teeth] Hattyasy D.
Acta Med Acad Sci Hung 27:427-37, 1970 (Ger)
[The peculiarities of caries incidence in the deciduous teeth] Adler P. Dtsch Stomatol 21:155, Feb 71 (Ger)
[Inclusion of deciduous molars. Growth inhibition or recession] Fritzsche H.
Dtsch Stomatol 20:771-6, Oct 70 (Ger)
[Retention of deciduous teeth] Haase G.
Dtsch Stomatol 21:45-7, Jan 71 (Ger)
[The second deciduous molar and its importance for the development and treatment of the permanent teeth] Heckmann U, et al.
Dtsch Stomatol 21:39-45, Jan 71 (Ger)
[Deciduous tooth intrusions] Hetzer G, et al.
Dtsch Stomatol 21:35-9, Jan 71 (Ger)
[Evaluation of the results of deep caries therapy in deciduous molars] Maiwald HJ.
Dtsch Stomatol 21:346-8, May 71 (Ger)
[The first dentition--a contribution to dental development] Heckmann U, et al.
Fortschr Kieferorthop 31:87-95, Sep 70 (Ger)
[Evaluation of lower frontal crowding in the changing dentition] Silla M.
Fortschr Kieferorthop 31:457-66, Apr 71 (Ger)
[Late consequences of premature extraction of deciduous molars] Binder K.
Osterr Z Stomatol 68:68-71, Feb 71 (Ger)
[Physiological and pathological root resorption in deciduous teeth] Hidasi G.
Fogorv Sz 63:335-7, Nov 70 (Hun)
[Clinical and therapeutical considerations in precocious eruption of primary dentition] Broglia ML, et al. Minerva Stomatol 19:365-76, Sep 70 (Ita)
[Conservative and endodontic treatment of deciduous teeth] Castagnola L, et al.
Mondo Odontostomatol 13:27-35, 1970-71 (Ita)
[Possibilities and limits of conservative therapy of deciduous dentition] Tollaro I.
Riv Clin Pediatr 81:1125-8, Nov-Dec 68 (Ita)
[Occlusion profilograms-comparison between deciduous and permanent dentition] Ishiki Y, et al.
Shikwa Gakuho 70:1456-64, Nov 70 (Jap)
[The incidence of dental caries in the individual deciduous teeth and 6 year molars in children of pre-school age in Bialystok] Horodyski B, et al.
Czas Stomatol 24:585-8, Jun 71 (Pol)
[Dental caries susceptibility of deciduous teeth in children in municipal nurseries in the city of Warsaw] Szymańska-Jachimczak El.
Czas Stomatol 24:249-57, Mar 71 (Pol)
[Transverse development of the dental arches during the deciduous dentition] Boboc G, et al.
Stomatologia (Bucur) 18:67-80, Jan-Feb 71 (Rum)
[Dimensional changes of alveolo-dental arches between 7-11 years] Vernescu-Leheni V, et al.
Stomatologia (Bucur) 18:81-90, Jan-Feb 71 (Rum)
[Odontogenic inflammatory diseases in children] Novoselov RD, et al.
Stomatologiia (Mosk) 50:55-8, May-Jun 71 (Rus)
[Crowns on deciduous teeth] Leyt S.
Rev Asoc Odontol Argent 58:32-3, Jan-Mar 70 (Spa)

ABNORMALITIES

[Fusion and gemination of deciduous teeth]
Alexandersen V.
Tandlaegebladet 74:893-905, Aug 70 (50 ref.) (Dan)

ANALYSIS

Amino acid composition of insoluble protein from the dentine of human deciduous and permanent teeth.
Harada M, et al. Arch Oral Biol 16:989-91, Aug 71
[Strontium 90 in human teeth. 3] Keil R, et al.
Strahlentherapie 140:442-7, Oct 70 (Ger)

ANATOMY & HISTOLOGY

Histology of dental pulp in clinically intact deciduous and permanent teeth in children. Heriesová J.
Acta Univ Carol [Med] (Praha) 14:229-34, 1968
Comparison of the deciduous teeth between Caucasoid, Negroid, and Mongoloid population samples. Lavelle CL. Dent Pract Dent Rec 21:121-4, Dec 70
Macrodontic maxillary second primary molar in an Eskimo skull. An morphogenetic study. Jakobsen J, et al. Scand J Dent Res 78:524-9, 1970
[Opposing positions of the upper and lower teeth in deciduous dentition] Iwasaki M.
Shikwa Gakuho 70:1430-55, Nov 70 (Jap)
[Morphological studies on the deciduous dental arch. 1. Size of the dental arch] Maruyama S.
Shikwa Gakuho 71:163-75, Jan 71 (Jap)
[Morphological studies on the deciduous dental arch. 2. Frequencies of interdental spaces] Maruyama S.
Shikwa Gakuho 71:176-82, Jan 71 (Jap)
[Anatomical studies on occlusion forms of deciduous teeth in Japanese] Maruyama S, et al.
Shikwa Gakuho 71:276-81, Jan 71 (Jap)

DRUG EFFECTS

[Clinico-pathological study of the pulp response of the deciduous tooth caused by silico-phosphate restoration] Sako H.
Shikwa Gakuho 71:494-534, Feb 71 (Jap)
[Clinico-pathological study of the pulp response of the deciduous tooth caused by direct acrylic resin restoration] Samuta K.
Shikwa Gakuho 71:535-78, Feb 71 (Jap)
[Clinico-pathological study of the pulp response in the deciduous tooth caused by silicate cement restoration] Yakushiji M.
Shikwa Gakuho 71:448-93, Feb 71 (Jap)

EMBRYOLOGY

The calcification pattern of deciduous teeth in miniature swine. McKean CF, et al.
Arch Oral Biol 16:639-48, Jun 71
Distance gradient in prenatal dental development.
Garn SM, et al. J Dent Res 50:785, May-Jun 71

GROWTH & DEVELOPMENT

Primary and permanent tooth development. Fanning EA, et al. Aust Dent J 16:41-3, Feb 71
[Impaction of permanent maxillary central incisors associated with supernumerary teeth] Ravn JJ, et al.
Tandlaegebladet 75:1-6, Jan 71 (Dan)
[Regional odontodysplasia] Rolling I, et al.
Tandlaegebladet 74:1324-31, Dec 70 (Dan)

INJURIES

Trauma to an unerupted deciduous tooth. Reed MW, et al. Oral Surg 31:806-8, May 71
Abbreviated case report. Class I fracture of a permanent central incisor of unusual etiology. Ripp GA. Oral Surg 37:763-4, Jun 71
Traumatic nasal impaction. Waugh R.
Oral Surg 30:730-3, Dec 70

INNERVATION

[Nerve distribution and its structural relationship with the surrounding tissues in dental pulp of primary anterior teeth] Kimura O.
J Jap Stomatol Soc 38:131-53, Mar 71 (Jap)

PATHOLOGY

Linear hypoplasia of deciduous incisor teeth in malnourished children. Sweeney EA, et al.
Am J Clin Nutr 24:29-31, Jan 71

RADIOGRAPHY

[Root resorption in persistent deciduous teeth] Hidasi G. Fogorv Sz 64:109-11, Apr 71 (Hun)

TOOTH, DEVITALIZED see under DENTAL PULP DEVITALIZATION (E6)

TOOTH DISCOLORATION (C4)

[Pre-caries leucomas and vestibular polycaries in children (use of topical fluorides)] Mugnier A, et al.
Rev Stomatol Chir Maxillofac 71:525-32, Sep 70 (Fre)
[Stains and colors of the teeth] Campos Prado E.
An Esp Odontoestomatol 29:513-29, Nov-Dec 70 (Spa)

CHEMICALLY INDUCED

More on tetracyclines. Shelley JH.
J Pediatr 77:917-8, Nov 70
Pigmentation of teeth following topical applications of stannous fluoride in a nonfluoridated area. Horowitz HS, et al. J Public Health Dent 31:33-7, Winter 71
Tetracyclines and permanent teeth: the relation between dose and tooth color. Grossman ER, et al.
Pediatrics 47:567-70, Mar 71
Effect on deciduous and permanent teeth of tetracycline deposition in utero. Anthony JR.
Postgrad Med 48:165-8, Oct 70
[Changes in children's teeth after administration of tetracyclines] Janda J, et al.
Cesk Pediatr 26:90-1, Feb 71 (Cze)
[Catamnestic studies on premature infants treated with tetracycline with reference to growth disturbances and tooth changes] Weinmann G, et al.
Kinderaersti Prax 37:105-9, Mar 69 (Ger)
[Symptoms of tooth discoloration in children following

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tetracycline therapy] Antalovski Z, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:45-51, 1970 (Ger)
[Follow-up study on permanent teeth in children previously treated with tetracycline] Berger ED.
Schweiz Monatsschr Zahnheilkd 81:19-38, 1971 (Ger)
[Iatrogenic damage through use of tetracycline and hydantoin in tooth, mouth, and jaw diseases] Riedel H.
Z Allgemeinmed 46:1342-4, 30 Sep 70 (Ger)
[Side-effects of tetracycline therapy with special reference to tooth disorders] Opperbeck J.
Z Laryngol Rhinol Otol 50:393-401, May 71 (Ger)

DIAGNOSIS

Use of ultraviolet illumination in oral diagnosis. Hefferren JJ, et al. J Am Dent Assoc 82:1353-60, Jun 71

ETIOLOGY

[Tooth discoloration in childhood] Dietel K, et al.
Kinderaerztl Prax 37:171-6, Apr 69 (Ger)
[Clinical follow-up studies on late prognosis of Rh-related hemolytic disease of the newborn. II. Stomatologic findings] Solyga P.
Paediatr Grenzgeb 9:162-75, 1970 (Ger)

THERAPY

[A simplified method for the bleaching of anterior teeth] Benatti O, et al.
Rev Bras Odontol 28:20-6, Jan-Feb 71 (Por)

TOOTH DISEASES (C4)

see also related
MOUTH REHABILITATION (E6)

[What should physicians know about dental diseases, especially emergencies?] Sewerin I.
Nord Med 85:639, 20 May 71 (Dan)
[Disorders of dentition] Hausser E.
Fortschr Kieferorthop 31:3-8, Sep 70 (Ger)
[Preliminary study results of the research on aging in the field of stomatology] Frentzen H.
Z Alternsforsch 23:285-71, 1971 (Ger)

BLOOD

[The dynamics of C-reactive protein in the blood of patients with phlegmons of odontogenic origin] Fedotov MF.
Stomatologiia (Mosk) 49:83-4, Nov-Dec 70 (Rus)

CHEMICALLY INDUCED

[Tetracycline-induced tooth injuries in children] Bergan T.
Tidsskr Nor Laegeforen 91:1160, 30 May 71 (Nor)

COMPLICATIONS

[Maxillary sinusitis of dental origin] Lopez A, et al.
Cah Coll Med Hop Paris 10:259-67, 15 Apr 69 (Fre)
[4 cases of Osler's disease] Lachard J, et al.
Rev Stomatol Chir Maxillofac 71:405-10, Jul-Aug 70 (Fre)
[Neuralgiform disorders and the dental roentgen picture] Brachmann F.
DDZ 25:111-2 passim, Apr 71 (Ger)
[Diagnostic value of the diameatic puncture of the maxillary sinus in odontogenic sinus diseases] Di Lauro F, et al.
Arch Stomatol (Napoli) 10:239-43, Jul-Sep 70 (Ita)
[Diagnostic value of the diameatic puncture of the maxillary sinus in odontogenic sinus diseases] Di Lauro F, et al.
Arch Stomatol (Napoli) 10:239-43, Jul-Sep 69 (Ita)
[Clinico-statistical studies of the conditions of the masticatory apparatus and disorders of the digestive system in about a thousand aged subjects in the province of Ferrara] Fiorentini S, et al.
Arcisp S Anna Ferrara 22:387-92, 1969 (Ita)
[Pathology of the 3d lower molars as predisposing factors for fractures of the mandibular angle. I] Silla M. Dent Cadmos 33:1157-8 passim, Sep 65 (Ita)
[Relations between stomatological disorders and cancer of the lip] Valenzano G, et al.
Policlinico [Prat] 76:1533-4, Nov 69 (Ita)
[Maxillofacial neuralgic syndromes. Symptomatic or secondary dental neuralgias] Re G, et al.
Riv Ital Stomatol 25:941-56, Oct 70 (Ita)

ETIOLOGY

Continued growth of retained dentine papillae. Stewart DJ, et al. Dent Pract Dent Rec 21:7-8, Sep 70

FAMILIAL & GENETIC

[What teeth can give evidence of] Sundberg S.
Odontol Foren Tidskr 33:215-28, 1969 (Swe)

MICROBIOLOGY

[The dependence of the content of pathogenic staphylocci in the upper respiratory tract upon the state of the teeth] Leonene NI, et al.
Stomatologiia (Mosk) 50:74-5, May-Jun 71 (Rus)
[Microflora of affected upper jaw sinuses, buccal and nasal cavities in patients with odontogenic chronic antritis] Martiniuk BN, et al.
Mikrobiol Zh 32:230-7, 1970 (Ukr)

OCCURRENCE

A simplified method of determining a population's needs for dental treatment. Conchie JM, et al.
J Public Health Dent 31:84-95, Spring 71
[Statistical study of the mouth and dental condition of 3000 sailors] Pierre F, et al.
Rev Corps Sante Armees 9:351-64, Jun 68 (Fre)

RADIOGRAPHY

Shades of white. Interpretation of radiopacities. Calman HI, et al. Dent Radiogr Photogr 44:3-10, 1971
Diagnosis of periapical osteolytic processes with orthopantomography and intraoral full mouth radiography--a comparison. Gröndahl HG, et al.
Sven Tandlak Tidskr 63:679-86, Oct 70

THERAPY

[Possibilities and limits of conservative therapy of deciduous dentition] Tollaro I.
Riv Clin Pediatr 81:1125-8, Nov-Dec 68 (Ita)

VETERINARY

Alveolitis and pulpitis of a canine tooth in a walrus. Bartsch RC, et al.
J Am Vet Med Assoc 159:575-7, Sep 71
Radiographic diagnosis of alveolar periostitis in the molar tooth of a horse. Jackson LL, et al.
J Am Vet Med Assoc 158:511-2, 15 Feb 71
[Stomatology of ruminants (Ruminantia)] Hochstrasser G.
Wien Tieraerztl Monatsschr 57:111-3, 1970 (Ger)

TOOTH EROSION (C4)

Interstitial wear. Wolpoff MH.
Am J Phys Anthropol 34:205-27, Mar 71
[Erosion of hard dental tissues] Borovskii EV, et al.
Stomatologiia (Mosk) 50:1-5, May-Jun 71 (Rus)

OCCURRENCE

Human tooth wear, tooth function and cultural variability. Molnar S.
Am J Phys Anthropol 34:175-89, Mar 71

VETERINARY

Endodontic therapy for canine teeth in the dog. Ross DL, et al. J Am Vet Med Assoc 157:1713-8, 1 Dec 70

TOOTH ERUPTION (G1)

The effect of nutritional extremes on dental development. Garn SM, et al.
Am J Clin Nutr 24:285-6, Mar 71
A newly postulated factor in the early growth of the human middle face and the theory of multiple assurance. Latham RA, et al.
Arch Oral Biol 15:1097-100, Nov 70
Dental anomalies in association with achondroplasia. Report of two cases. Brook AH, et al.
Br Dent J 129:519-20, 1 Dec 70
The alinement of a maxillary central incisor following the removal of an odontome. A case report. Savage M.
Br Dent J 130:489-90, 1 Jun 71
Local disturbances attributed to eruption of the human primary dentition. A survey. Seward MH.
Br Dent J 130:72-7, 19 Jan 71
The pre- and post-eruptive effects of bone meal on dental caries in hamsters fed an ordinary human diet. Gustafson G, et al. Caries Res 2:338-46, 1968
Odontogenesis following replantation of erupted maxillary central incisor. Adatia AK.
Dent Pract Dent Rec 21:153-5, Jan 71
Mucous membrane and delayed eruption. Di Biase DD.
Dent Pract Dent Rec 21:241-50, Mar 71
The gubernaculum dentis. Hodson JJ.
Dent Pract Dent Rec 21:423-8, Aug 71
Pattern of primary dentition. Derasari AJ.
Indian Pediatr 7:113-23, Feb 70
The dental age. Bertrand FR.
J Am Dent Assoc 82:951, May 71
The management of impacted canines: free physiologic eruption. Clark D. J Am Dent Assoc 82:836-40, Apr 71
Evaluation of unerupted teeth: orthodontic viewpoint. Di Salvo NA. J Am Dent Assoc 82:829-35, Apr 71
Effect of heavy metals on dental caries and tooth eruption. Curzon ME, et al.
J Dent Child 37:463-5, Nov-Dec 70
The Chinese dentition. IV. The eruption time of the permanent teeth in Chinese. Lan WH.
J Formosan Med Assoc 70:159-65, 28 Mar 71
The application of various correlations in dental measurements and oral hygiene. Yin KY.
J Nihon Univ Sch Dent 12:98-104, Sep 70
An enzyme histochemical study of adenosinetriphosphatase (ATPase) activity during molar eruption in the mouse. Heyden G.
J Periodont Res 5:69-77, 1970
The applicability of a special freeze-sectioning technic in enzyme histochemical studies of molar tissues in the mouse. Heyden G. J Periodont Res 5:307-14, 1970
Remodelling of periodontal ligament in erupting molars of mature rats. Melcher AH, et al.
J Periodont Res 6:118-25, 1971
The correspondence between the orthopantomographic and the clinical appearance of an erupting permanent tooth replacing a deciduous tooth. Haavikko K, et al.
Suom Hammaslaak Toim 66:190-5, 1970
Eruption times of permanent teeth and the determination of age in New Guinean children. Malcolm LA, et al. Trop Geogr Med 22:307-12, Sep 70
[Impaction of permanent maxillary central incisors associated with supernumerary teeth] Ravn JJ, et al.
Tandlaegebladet 75:1-6, Jan 71 (Dan)
[Regional odontodysplasia] Rolling I, et al.
Tandlaegebladet 74:1324-31, Dec 70 (Dan)
[Chronology of eruption of deciduous incisors in Rwanda] Hiernaux J, et al.
Ann Soc Belg Med Trop 47:443-50, 1967 (Fre)
[Molarization of Pd4-4 and Pd3-3; premolarization of P4-4 and P3-3 in man and animals; molarization of P4-4 and P3 in animals] Quinet GE, et al.
Rev Belge Med Dent 25:451-8, 1970 (Fre)
[Relations between development and caries morbidity and the physical growth of children] Antal A, et al.
Rev Stomatol Chir Maxillofac 71:581-8, Oct-Nov 70 (Fre)
[Inclusion of deciduous molars. Growth inhibition or recession] Fritzsche H.
Dtsch Stomatol 20:771-6, Oct 70 (Ger)
[Deciduous tooth intrusions] Hetzer G, et al.
Dtsch Stomatol 21:35-9, Jan 71 (Ger)
[Indications for the surgical orthodontic management of retained and semi-retained molars] Tränkmann J, et al. Dtsch Zahnaerztl Z 25:1141-3, Dec 70 (Ger)
[The eruption path of permanent cuspids] Dausch-Neumann D.
Fortschr Kieferorthop 31:9-16, Sep 70 (Ger)
[Causative correlations in dentitio tarda] Fleischer-Peters A.
Fortschr Kieferorthop 31:27-37, Sep 70 (Ger)
[Development and eruption of wisdom teeth with missing lateral teeth] Kühr HW, et al.
Fortschr Kieferorthop 31:57-63, Sep 70 (Ger)
[Variations in the chronology of eruption of the first permanent molars and of the incisors] Paracuchi G, et al. Fortschr Kieferorthop 31:225-9, Oct 70 (Ger)
[Root calcification and tooth eruption in the mixed dentition. A study in panoramic x-rays] Schopf PM.
Fortschr Kieferorthop 31:39-56, Sep 70 (Ger)
[Time of eruption of permanent teeth in the population of Rajput, a northwest Indian valley in the Himalayas] Vogel C, et al.
Fortschr Kieferorthop 31:187-96, Oct 70 (Ger)
[Variations in dentition] Weise W.
Fortschr Kieferorthop 31:17-26, Sep 70 (Ger)
[Importance of spatial relationships for the eruption of incisors and cuspids] Witt E, et al.
Fortschr Kieferorthop 31:167-74, Oct 70 (Ger)
[Late consequences of premature extraction of deciduous molars] Binder K.
Osterr Z Stomatol 68:68-71, Feb 71 (Ger)
[The development of the epithelial attachment on the tooth (examined on the molars of albino rats)] Schneider HG.
Z Anat Entwicklungsgesch 131:249-62, 1970 (Ger)
[Controlled tooth eruption by means of extraction (serial extractions)] Karwetzky R.
ZWR 80:391-4, 10 May 71 (Ger)
[Clinical and therapeutical considerations in precocious eruption of primary dentition] Broglia ML, et al. Minerva Stomatol 19:365-76, Sep 70 (Ita)
[Morphological studies on the mandibular fossae, with special reference to the difference before and after tooth eruption] Morinaga T.
Shikwa Gakuho 70:1381-408, Nov 70 (Jap)
[Statistical study of correlation of eruption time of the upper and lower permanent teeth] Saito K.
Shikwa Gakuho 70:1590-606, Dec 70 (Jap)
[Correlation of the time of eruption of the lateral teeth in the upper and lower jaws--observation by relative growth] Saito K.
Shikwa Gakuho 70:1581-9, Dec 70 (Jap)
[Distribution and functional significance of chondrocytes appearing in the temporomandibular discs of mammals. 2. Postnatal changes in the rat mandibular joint: tooth eruption and histological change of the articular disc] Suzuki T.
Shikwa Gakuho 71:1331-6, May 71 (Jap)
[Serial extraction. 2. Experimental studies on its

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

relations to permanent tooth eruption] Yamaguchi H. Shikwa Gakuho 71:604-20, Feb 71 (Jap)
[Biology of tooth changes] Stenvik A. Nor Tannlaegeforen Tid 81:1-14, Jan 71 (54 ref.) (Nor)
[Complications occurring during disturbed eruption of permanent teeth] Strużak-Wysokińska M. Czas Stomatol 24:385-90, 1971 (Pol)
[Reorganization of the bone tissue of the alveolar process during the development and eruption of permanent teeth] Karamkarov KhA, et al. Biull Eksp Biol Med 71:39-42, Mar-Apr 71 (Rus)
[Clinical and radiographic diagnosis in pathological eruption of the 3d lower molar] Cervera Martinez A. An Esp Odontoestomatol 29:412-30, Sep-Oct 70 (Spa)
[Tooth eruption in children and its disorders] Nuñez Coello N. An Esp Odontoestomatol 30:59-73, Jan-Feb 71 (Spa)
[A medical doctor's treatment of dentitio difficilis in 1757] Halenius JP, et al. Sven Tandlak Tidskr 63:821-43, Nov 70 (Swe)

DRUG EFFECTS

Factors affecting the rate of post-eruptive maturation of dental enamel. Briner WW, et al. Calcif Tissue Res 7:249-56, 1971
[Contribution to the discussion on the article "Regularities in the Course of Dental Caries" by R. Ziegelbecker] Mrklas L. Schweiz Monatsschr Zahnheilkd 81:212-4, 1971 (Ger)
[False premises in caries prevention by fluorides] Ziegelbecker R, et al. Schweiz Monatsschr Zahnheilkd 81:215-43, 1971 (Ger)
[Experimental studies on tooth eruption] Grivu O, et al. Stomatologia (Bucur) 17:481-8, Nov-Dec 70 (Rum)

TOOTH ERUPTION, ECTOPIC (C4)

The clinical management of connate incisors. Fish J. Dent Pract Dent Rec 21:201-4, Feb 71
The correction of canine and premolar rotations. Griffiths PJ. Dent Pract Dent Rec 21:294-9, Apr 71
Ectopic eruption of lower lateral incisors. Taylor GS, et al. J Dent Child 38:282-4, Jul-Aug 71
Transposition--an unusual dental anomaly. Sist TC, et al. NY State Dent J 37:158-61, Mar 71
Canine transposition. Joshi MR, et al. Oral Surg 31:49-54, Jan 71
[Tooth transposition] Novák J, et al. Cesk Stomatol 71:32-7, Jan 71 (Cze)
[Ectopic tooth eruption of the first permanent molar in the maxilla] Skjeflo A, et al. Nor Tannlaegeforen Tid 81:203-10, Mar 71 (Nor)
[Bilateral transposition and rotation of lateral incisors in the mandible] Fiorczyk M. Czas Stomatol 24:951-3, Aug 71 (Pol)
[Orthodontic treatment of difficult eruption of lower wisdom teeth] Kostur BK. Stomatologiia (Mosk) 50:87-8, May-Jun 71 (Rus)

COMPLICATIONS

Healed osteomyelitis of Maxilla with tooth in the floor of nose. Lumba SP, et al. J Laryngol Otol 85:877-9, Aug 71

OCCURRENCE

The frequency of malposed unerupted lower premolar teeth. Stemm RM. Angle Orthod 41:157-8, Apr 71

RADIOGRAPHY

Malplaced and missing premolars. Merker AM. Oral Surg 32:155, Jul 71
[Roentgenologic localization of displaced teeth using the panorex procedure] Schmuth GP, et al. DDZ 25:159-62, May 71 (Ger)

SURGERY

[Surgical methods for the preservation of impacted teeth] Komínek J, et al. Cesk Stomatol 71:148-51, May 71 (Cze)

THERAPY

An evaluation of overcorrection as compared to correction in the treatment of rotated teeth. Edwards GS Jr. Am J Orthod 60:306-7, Sep 71
[A method for the treatment of malpositioned cuspids] Fritze L. Dtsch Stomatol 21:540-3, Jul 71 (Ger)
[Orthodontics with forceps?] Künzle A. Schweiz Monatsschr Zahnheilkd 81:343-50, Apr 71 (Ger)
[Malposition of the upper incisors. 3 orthodontic clinical cases] Sperling ST. Rev Fed Odontol Colomb 17:30-4, Jul-Sep 68 (Spa)

TOOTH EXTRACTION (E4, E6)

The prevention of relapse in extraction cases. Edwards JG. Am J Orthod 60:128-44, Aug 71
The incidence and nature of space closure following the premature extraction of deciduous teeth: a literature study. Owen DG. Am J Orthod 59:37-49, Jan 71 (49 ref.)
The borderline patient and tooth removl. Schwab DT. Am J Orthod 59:126-45, Feb 71
General anaesthesia in the dental surgery for the ambulant case. Wilson DS. Anaesthesist 19:127-31, Apr 70
A clinical assessment of light and heavy forces in the closure of extraction spaces. Sleichter CG. Angle Orthod 41:66-75, Jan 71
Children's dentistry in general practice. 10. Interceptive orthodontics. Parkin SF, et al. Br Dent J 129:474-8 contd, 17 Nov 70
Beware. Anxious mother at work. Samson E. Br Dent J 130:257-8, 16 Mar 71
Epsilon-Aminocaproic acid therapy for dental extractions in haemophilia and Christmas disease: a double blind controlled trial. Walsh PN, et al. Br J Haematol 20:463-75, May 71
Penicillin prophylaxis. Gover G, et al. Br Med J 3:303-4, 31 Jul 71
Penicillin and the mouth flora. Khairat O. Br Med J 2:650, 12 Jun 71
Further investigations into tooth loss in diabetics. Tóth A, et al. Caries Res 5:10, 1971
Exodontia: modern concepts. Byrd DL. Dent Clin North Am 15:273-98, Apr 71
Space closure following loss of lower first premolars. Cookson A. Dent Pract Dent Rec 21:411-6, Jul 71
Bone remodeling after tooth extraction. Pietrokovski J. Isr J Med Sci 7:433-6, Mar 71
Evaluation of unerupted teeth: orthodontic viewpoint. Di Salvo NA. J Am Dent Assoc 82:829-35, Apr 71
Effects of tooth extraction on arch dimensions of French Canadian children. Demirjian A, et al. J Can Dent Assoc 37:230-6, Jun 71
Influence of extracted teeth on DMF surface increments in clinical trials of caries preventives. Doyle J, et al. J Dent Res 49:Suppl:1417-22, Nov-Dec 70
Pharmacological effect of nandrolone phenylpropionate on the healing of dental extraction wounds: a histological investigation in rats. Santos-Pinto R dos, et al. J Nihon Univ Sch Dent 12:57-61, Jun 70
Bacteria of the extraction wound. MacGregor AJ, et al. J Oral Surg 28:885-7, Dec 70
Fibrinolytic activity in human dental sockets after extractions. Megquier RJ. J Oral Surg 29:321-8, May 71
Amnesia for brief exodontia procedures using small doses of diazepam and methohexital with local block anesthesia for ambulatory patients. Shane SM. J Oral Surg 29:191-3, Mar 71
The Minot-von Willebrand syndrome: discussion and report of case. Tilson HB. J Oral Surg 29:329-33, May 71
Residual ridge remodeling after tooth extraction in monkeys. Pietrokovski J, et al. J Prosthet Dent 26:119-29, Aug 71
Should good teeth be extracted to prevent streptococcus viridans endocarditis? Simon DS, et al. Lancet 1:1207-9, 12 Jun 71
Dental extraction in hemophiliacs. Mulkey TF. N Engl J Med 284:502, 4 Mar 71
Pediatric dentistry for the child with hemophilia. Steinle CJ, et al. N Engl J Med 283:1325-6, 10 Dec 70
Oral changes following tooth extraction in normal and alloxan diabetic rats. I. Macroscopic observations. McMillan MD. NZ Dent J 66:239-47, Jul 70
Control of bacteremia associated with extraction of teeth. II. Cutcher JL, et al. Oral Surg 31:802-5, May 71
Evaluation of three techniques for the management of postextraction third molar sockets. Khosla VM, et al. Oral Surg 31:189-98, Feb 71
Leukocyte counts in the saliva of adults before and after extraction of teeth. Lantzman E, et al. Oral Surg 30:766-73, Dec 70
The effec of an anabolic steroid on the healing of experimental extraction wounds. Tennenbaum R, et al. Oral Surg 30:824-34, Dec 70
The effect of ellagic acid on the hemorrhagic syndrome after tooth extraction in warfarin treated animals. Agostino D, et al. Osp Ital Chir 22:149-54, Mar-Apr 70
[Local anesthesia by cold in dentistry] Oudrán L, et al. Cesk Stomatol 71:170-4, May 71 (Cze)
[Premature loss of primary teeth. Frequency and results studied longitudinally in 186 children] Birn B, et al. Tandlaegebladet 74:1301-11, Dec 70 (Dan)
[Tooth extractions in cases of hemophilia A and B] Creveld S van, et al. Ned Tijdschr Tandheelkd 78:90-4, Mar 71 (Dut)
[A method for the treatment of post-extraction hemorrhages] Sipka H. Ned Tijdschr Tandheelkd 77:346-8, Oct 70 (Dut)
[Postoperative treatment following extraction of impacted teeth] Libotte M. Acta Stomatol Belg 68:125-32, 1971 (Fre)
[Median diastema caused by extractions] Gysel C. Rev Belge Med Dent 25:305-6, 1970 (Fre)
[Unexpected consequences of an extraction of a wisdom tooth] Le Stir A, et al. Rev Fr Odontostomatol 18:15-20, Jan 71 (Fre)
[Indications for tooth extraction during irradiation of the jaws] Cosma D. Rev Stomatol Chir Maxillofac 72:197-8, Mar 71 (Fre)
[Bucco-dental infectious foci in young patients] Fourestier J, et al. Rev Stomatol Chir Maxillofac 71:411-22, Jul-Aug 70 (Fre)
[Cyanoacrylates, complementary hemostatics during tooth extractions in patients under anticoagulant therapy] Scheffer P, et al. Rev Stomatol Chir Maxillofac 71:629-34, Oct-Nov 70 (Fre)
[Medical emergencies in the dental office] Linke H. Dtsch Stomatol 20:776-87, Oct 70 (Ger)
[Are antibiotics effective in the prevention of wound healing complications following extraction of wisdom teeth?] Strassburg M, et al. Dtsch Zahn Mund Kieferheilkd 55:99-105, Oct 70 (Ger)
[Woundhealing following tooth extraction. II. Studies on the influence of resorbable implantation material on healing of extraction wounds] Schüle H. Dtsch Zahnaerztl Z 26:777-84, Aug 71 (Ger)
[Late results after orthodontic extraction therapy] Bredy E, et al. Fortschr Kieferorthop 31:367-79, Apr 71 (Ger)
[Treatment of lower incisor crowding in cases of loss of six year molars] Holm U. Fortschr Kieferorthop 31:149-60, Oct 70 (Ger)
[6-year molar extraction in Zürich and our changed outlook] Rinderer L. Fortschr Kieferorthop 31:315-23, Apr 71 (Ger)
[Extraction of the 1st molars in orthodontic practice] Schönherr E. Fortschr Kieferorthop 32:1-16, Jul 71 (Ger)
[Early consequences of the belated extraction of 6-year-molars] Enginalev A. Osterr Z Stomatol 68:107-13, Mar 71 (Ger)
[Dental surgical interventions in diseases of the leukopoietic system] Haunfelder D. Osterr Z Stomatol 68:2-6, Jan 71 (Ger)
[Controlled tooth eruption by means of extraction (serial extractions)] Karwetzky R. ZWR 80:391-4, 10 May 71 (Ger)
[Extraction of the upper 1st premolars in orthodontic correction] Bakody R. Fogorv Sz 64:56-9, Feb 71 (Hun)
[Epsilon aminocaproic acid (Acepramin) in preoperative and postoperative care of dental surgery] Brenner F, et al. Fogorv Sz 63:374-6, Dec 70 (Hun)
[Bernard's integral syndesmotomy II] Emmevvi. Dent Cadmos 33:1527-39 contd, Nov 65 (Ita)
[Clinical results with a new antifibrinolytic drug (Ugurol) in post-extraction alveolar hemorrhage] Debernardi G. Minerva Stomatol 20:72-5, Mar-Apr 71 (Ita)
[Dental interventions in the hemophiliac with special reference to tooth extractions] Hoffer O, et al. Rass Int Stomatol Prat 21:179-86, Jul-Aug 70 (Ita)
[Tooth extractions during anticoagulant therapy] Pizzoni D. Rass Int Stomatol Prat 21:187-93, Jul-Aug 70 (Ita)
[Quick tooth extraction and filling] Nagata T. J Jap Dent Assoc 23:879-86, Dec 70 (Jap)
[Custom of dental extraction in Australian natives] Ozaki K. J Jap Dent Assoc 24:368, 1971 (Jap)
An extraction case treated by the edgewise mechanism, particularly by Tweed technique] Iwasawa T. J Jap Orthod Soc 29:206-14, 1970 (Jap)
[Roentgenological and histologic studies on healing of extraction wounds] Mogi K. J Jap Stomatol Soc 38:33-57, Mar 71 (Jap)
[Outline on the current studies on healing process in tooth extraction wounds] Ikeda T. Shikwa Gakuho 70:1270-81, Oct 70 (59 ref.) (Jap)
[Histopathological and histochemical studies on the healing process of tooth-extraction wounds in man] Ikeda T. Shikwa Gakuho 71:1051-72, Mar 71 (Jap)
[Edgewise method and the therapeutic results. 1. Tooth extraction] Isshiki Y, et al. Shikwa Gakuho 71:714-41, Feb 71 (Jap)
[Edgewise practice with sectional arch-extraction case] Okawa T, et al. Shikwa Gakuho 71:1645-58, 1971 (Jap)
[Dynamic study of tooth extraction with the dental elevator] Tanaka F. Shikwa Gakuho 71:1025-50, Mar 71 (Jap)
[Serial extraction. 1. Clinical study] Yamaguchi H. Shikwa Gakuho 71:579-603, Feb 71 (Jap)
[Serial extraction. 2. Experimental studies on its relations to permanent tooth eruption] Yamaguchi H. Shikwa Gakuho 71:604-20, Feb 71 (Jap)
[The noradrenaline and adrenaline content in the blood of patients before and after tooth extraction] Boczyńska D. Czas Stomatol 24:151-6, Feb 71 (Pol)
[The course of orthodontic treatment in cases of extraction of 1st permanent teeth] Ducka-Karuka K, et al. Czas Stomatol 24:315-9, Mar 71 (Pol)
[Blood loss after surgical interventions in the oral cavity] Komorowska A. Czas Stomatol 24:629-35, Jun 71 (Pol)
[Indications for extraction of teeth on the basis of Gerlach's method] Lopatyńska-Kawko J. Czas Stomatol 24:655-62, Jun 71 (Pol)
[The use of epsilon-amino-caproic acid (EACA) for hemostasis in selective dental extractions in hemophiliacs] Niculescu MM, et al. Stomatologia (Bucur) 18:57-66, Jan-Feb 71 (Rum)
[Indications for teeth extraction in patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

leukosis] Kost EA, et al.
Probl Gematol Pereliv Krovi 15:56-8, Jun 70 (Rus)
[Seduxen premedication before the extraction of teeth under nitrous oxide anesthesia] Sukachev BA, et al.
Stomatologiia (Mosk) 49:73-4, Nov-Dec 70 (Rus)
[Dental extractions under prolonged anticoagulant treatment] Guadalupe S, et al.
ADM 27:345-6, Jul-Aug 70 (Spa)
[Dental extractions under prolonged anticoagulant treatment] Guadalupe S, et al.
ADM 27:345-6, Oct 70 (Spa)
[Extraction of 4 premolars] De Chudnowsky AW.
Ortodoncia 34:119-26, Apr 70 (Spa)
[Second permanent molar extraction in Class II cases with crowding in the lower arch] Rindler A.
Sven Tandlak Tidskr 63:699-706, Oct 70 (Swe)
[Preparation of patients with hemophilia for tooth extraction and oral surgery] Rončević R, et al.
Vojnosanit Pregl 28:22-4, Jan 71 (Cro)

ADVERSE EFFECTS

Dry socket and other postoperative complications. Calhoun NR. Dent Clin North Am 15:337-48, Apr 71
Treatment of persistent paresthesia after third molar odontectomy; report of case. Verunac JJ, et al.
J Am Dent Assoc 83:364-6, Aug 71
Dental extractions in hemophilia A and B. Creveld S van, et al. JAMA 215:1826-7, 15 Mar 71
Dental status and recurrence of Streptococcus viridans endocarditis. Croxson MS, et al.
Lancet 1:1205-7, 12 Jun 71
Postoperative effects of metastatic disease on dental extraction. Solomon MP.
NY State Dent J 36:547-50, Nov 70
Von Willebrand's disease. McIvor EG.
NZ Dent J 66:252-6, Jul 70
Postextraction bleeding in a patient with an acquired circulating anticoagulant against factor V. Blecker SM, et al. Oral Surg 32:538-42, Oct 71
Fatal bacterial endocarditis following tooth removal. Salman L, et al. Oral Surg 30:749-54, Dec 70
Parahemophilia. A case diagnosed after excessive postextraction bleeding. Taylor RN, et al.
Oral Surg 31:180-3, Feb 71
Odontogenous maxillary sinus involvement. Lekas MD.
RI Med J 53:681-3 passim, Dec 70
Frequency of oro-antral fistulae after perforation to the maxillary sinus. Wowern N von.
Scand J Dent Res 78:394-6, 1970
Primary aspergilloma cured with amphotericin B. Rodriguez V, et al. South Med J 64:396-8, Apr 71
[Emphysema after tooth extraction in a 7-year-old boy] Krumholt L. Tandlaegebladet 74:1072-6, Oct 70 (Dan)
[Consequences of the extraction of a 6th-year mandibular molar] Tränkmann J, et al.
DDZ 25:155-9, May 71 (Ger)
[Late consequences of premature extraction of deciduous molars] Binder K.
Osterr Z Stomatol 68:68-71, Feb 71 (Ger)
[The postoperative damage of the inferior alveolar nerve following extraction of the impacted lower wisdom tooth] Egyedi P.
Schweiz Monatsschr Zahnheilkd 80:1091-8, 1970 (Ger)
[The radix relicta from the viewpoint of he dental expert] Freyberger P. ZWR 80:243-5, 25 Mar 71 (Ger)
[Discomfort in dental extraction] Takahashi S.
J Jap Dent Assoc 24:359-65, 1971 (Jap)
[Histological examination of the mucosa of maxillary sinuses in cases of communication between oral cavity and the sinus following teeth extraction] Januszewicz J, et al. Czas Stomatol 24:169-75, Feb 71 (Pol)
[Tooth extractions in hemophiliacs] Guadalupe S, et al.
ADM 27:435-7, Sep-Oct 70 (Spa)
[50 hemophiliacs with dental problems] Navarrete H.
ADM 27:413-21, Sep-Oct 70 (Spa)

TOOTH FRACTURES (C4, C14)

The fracture of human enamel: a mechanical model. Tyldesley WR. Arch Oral Biol 15:997-9, Oct 70
Successful replantation of an anterior tooth with an apical third fracture. Matthews RW.
Br Dent J 130:117-8, 2 Feb 71
Dry socket and other postoperative complications. Calhoun NR. Dent Clin North Am 15:337-48, Apr 71
Bicycle injuries. Feltman R.
J Am Dent Assoc 82:274, Feb 71
Cementogenic rpair of root fractures. Michanowicz AE, et al. J Am Dent Assoc 82:569-79, Mar 71
[Unusual consequences of dental injuries in children] Komínek J, et al. Cesk Stomatol 71:70-4, Mar 71 (Cze)
[Case of root fracture with unusual healing progress] Hansen P. Tandlaegebladet 75:28-31, Jan 71 (Dan)
[Hasty and counter-indicated prosthetic restoration of a broken upper central incisor] Gysel C.
Rev Belge Med Dent 25:868, 1970 (Fre)

COMPLICATIONS

Luxation of permanent teeth due to trauma. A clinical and radiographic follow-up study of 189 injured teeth. Andreasen JO. Scand J Dent Res 78:273-86, 1970
Prognosis of permanent teeth involved in jaw fractures. A clinical and radiographic follow-up study. Roed-Petersen B, et al.
Scand J Dent Res 78:343-52, 1970
[Intra and extra-alveolar pulp lesions following injury to the incisor] Fischer CH.
Dtsch Zahnaerztl Z 25:1135-40, Dec 70 (Ger)
[Syndrome of sound transmission obstruction of lobar volume as a sign of a foreign body in the regional bronchial tube] Graovac B, et al.
Plucne Bolesti Tuberk 22:191-9, Jul-Sep 70 (Cro)

ETIOLOGY

Longitudinal root fracture due to corrosion of an endodontic post. Petersen KB.
J Can Dent Assoc 37:86-8, Feb 71
Dental research reveals thermal fracture hazards.
J Dent Child 38:219-20, May-Jun 71
Abbreviated case report. Class I fracture of a permanent central incisor of unusual etiology. Ripp GA. Oral Surg 37:763-4, Jun 71
Etiology and pathogenesis of traumatic dental injuries. A clinical study of 1,298 cases. Andreasen JO.
Scand J Dent Res 78:329-42, 1970

HISTORY

[Basic bibliography on dental mutilations in prehispanic Mexico] Noguez X.
ADM 27:515-6, Nov-Dec 70 (Spa)

OCCURRENCE

Fractured permanent incisors in a clinic population. Gutz DP. J Dent Child 38:94-5 passim, Mar-Apr 71

PATHOLOGY

[Comparative histology of callus formation in dental and in bone fractures] Bouyssou M, et al.
Bull Group Int Rech Sci Stomatol 13:317-66, Jul-Oct 70 (114 ref.) (Fre)

PREVENTION & CONTROL

Custom-made plastic guards for tooth protection during endoscopy and orotracheal intubation. Davis FO, et al. Anesth Analg (Cleve) 50:203-6, Mar-Apr 71

RADIOGRAPHY

Root fractures due to corrosion. Diagnostic aspects. Rud J, et al. Scand J Dent Res 78:397-403, 1970

THERAPY

Treatment of the open apex--pulp involvement through trauma. Case reports. Simpson ST.
Aust Dent J 15:392-5, Oct 70
Combined endodontic and dowel-type restorative procedures. McPherson JL. Dent Dig 77:16-22, Jan 71
The care of fractured incisors and their restoration in children. Palmer JD.
Dent Pract Dent Rec 21:395-400, Jul 71
Attachment of resin restorations to acid pretreated enamel. Laswell HR, et al.
J Am Dent Assoc 82:558-63, Mar 71
Avulsed natural crown as a temporary crown: report of case. Todd HW. J Am Dent Assoc 82:1398-400, Jun 71
Treatment of fractured and avulsed teeth. Andreasen JO. J Dent Child 38:29-31 passim, Jan-Feb 71
Biological considerations for a functional esthetic restoration of dysplastic and fractured anterior teeth in children. Goldberg NL.
J Dent Child 38:239-45, Jul-Aug 71
Treatment of fractures of the middle third of the root. Weine FS, et al. J Dent Child 38:215-9, May-Jun 71
Unusual case of tooth transplantation: report of case. Kristerson L. J Oral Surg 29:841-4, Nov 70
[Intraradicular splinting of fractured roots] Lamers AC.
Ned Tijdschr Tandheelkd 78:313-4, Aug-Sep 71 (Dut)
[Clinical evaluation of acute injuries of the deciduous and permanent teeth] Irmisch B, et al.
Dtsch Stomatol 21:28-35, Jan 71 (Ger)
[15 years experience with endosseous pinning for prosthetic indications] Staegemann G.
Dtsch Stomatol 21:454-9, Jun 71 (Ger)
[Restoration of fractured anterior teeth using Palakav] Koeck B. Dtsch Zahnaerztl Z 26:261-7, Feb 71 (Ger)
[Juvenile incisor injury and its treatment. Case report] Herforth A. ZWR 80:10-4, 10 Jan 71 (Ger)
[Results of treatment of mechanical injuries to anterior teeth in children] Knychalska-Karwan Z, et al. Czas Stomatol 24:851-8, Aug 71 (Pol)

VETERINARY

Unusual case of endodontic and restorative therapy. Cossman MH. Dent Dig 77:218-21, Apr 71

TOOTH, GEMINATED see under TOOTH

ABNORMALITIES (C16)

TOOTH GERM (A3)

see also related
ODONTOGENESIS (G1)

Continued growth of retained dentine papillae. Stewart DJ, et al. Dent Pract Dent Rec 21:7-8, Sep 70
Tissue interactions in embryonic mouse tooth germs. II. The inductive role of the dental papilla. Kollar EJ, et al. J Embryol Exp Morphol 24:173-86, Aug 70
[Organ culture of tooth germs of the mouse embryo] Heritier M.
Rev Stomatoodontol Nord Fr 25:195-206, 1970 (Fre)
[Ultrastructure of human amelobiasts] Yama K.
Shikwa Gakuho 71:1531-74, 1971 (Jap)

ABNORMALITIES

[Studies on tooth germ anomalies in the inter-jaw margination] Pfeiffer G.
Dtsch Zahnaerztl Z 26:352, Mar 71 (Ger)

ANATOMY & HISTOLOGY

Specific spindle cells and globular substances in enamel knot. Nozue T.
Okajimas Folia Anat Jap 48:139-51, Aug 71
[The contour of the epithelial portion of single-rooted tooth germ in capand bell-stages. (Contibution to the embryology of human teeth. I.)] Ooë T.
Acta Anat (Basel) 78:9-17, 1971 (Fre)

CYTOLOGY

Fine structure of the epithelial dental organ in the frog during early odontogenesis. Zaki AE, et al.
Anat Rec 168:79-91, Sep 70
Electron microscopic study of human dental primordia. Provenza DV, et al. Arch Oral Biol 16:121-33, Feb 71
Electron microscopic studies of human dental lamina. Provenza DV, et al.
J Dent Res 49:Suppl:1394+, Nov-Dec 70
Hertwigs sheath in the rat incisor. 2. Autoradiographic study. Shibata F, et al. J Periodont Res 3:111-20, 1968
[In vitro study of the epithelial-mesenchymal relations during differentiation of the toothgerms in the mouse] Heritier M.
Rev Fr Odontostomatol 18:77-92, Jan 71 (Fre)

DRUG EFFECTS

Effects of vitamin A on in vitro tooth bud formation of rats. Biggerstaff RH, et al.
J Dent Res 50:173, Jan-Feb 71
[Study of the action of dexamethasone phosphate on germs of mandibular molar tooth germs in mouse embryos cultivated in vitro] Karcher-Djuricic V, et al.
C R Soc Biol (Paris) 164:423-7, 25 Sep 70 (Fre)
[Disturbances of tooth development in rat embryos following administration of 6-aminonicotinamide] Merker HJ, et al. Experientia 26:1127, 15 Oct 70 (Ger)

EMBRYOLOGY

The non-fibrous nature of the von Korff fibres in developing dentine. A light and electron microscope study. Ten Cate AR, et al. Anat Rec 168:491-523, Dec 70
[Study of in vitro differentiation of mandibular molar tooth germs in mouse embryos] Ruch JV, et al.
C R Soc Biol (Paris) 164:419-22, 25 Sep 70 (Fre)
[Morphogenesis of the dental lamina. II. Histological studies on the earliest phases of differentiation in the mouse dental lamina] Strassburg M, et al.
Dtsch Zahnaerztl Z 26:52-7, Jan 71 (Ger)

ENZYMOLOGY

Phosphoglucose isomerase in developing teeth. Orchardson R. Histochemie 24:279-80, 1971
Enzyme histochemistry and its application in comparative studies of adenosinetriphosphatase (ATPase) and some oxidative enzymes in bone, cartilage and tooth germs. Heyden G, et al.
Odontol Revy 21:129-42, 1970
Histochemical observations of enzymes in adenoamelobiastoma. Histochemical comparisons of enzymes among tooth germ, adenoamelobiastoma, and amelobiastoma. Mori M, et al.
Oral Surg 30:659-69, Nov 70

GROWTH & DEVELOPMENT

The development of the periodontium. A transplantation and autoradiographic study. Ten Cate AR, et al. Anat Rec 170:365-79, Jul 71
Tissue interactions in embryonic mouse tooth germs. I. Reorganization of the dental epithelium during tooth-germ reconstruction. Kollar EJ, et al.
J Embryol Exp Morphol 24:159-71, Aug 70
Chronological study of enamel knot with special reference to mitoses in enamel knot. Nozue T.
Okajimas Folia Anat Jap 48:1-13, Jun 71
[Role of the odontogenic mesenchyme in orinetation of the morphogenesis of the crown of teeth in mice]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Héritier M, et al.
C R Acad Sci [D] (Paris) 271:851-3, 7 Sep 70 (Fre)

INNERVATION

[The development and innervation of tooth germs in conditions of homografting] Vradislavleva RV.
Stomatologiia (Mosk) 49:29-32, Nov-Dec 70 (Rus)

METABOLISM

Different localization of tetracycline and simultaneously injected radiocalcium in developing enamel. Hammarström L.
Calcif Tissue Res 1:229-42, 20 Dec 67
[Localization of zinc in the dental tissues during the development of the rat] Baratieri A, et al.
Bull Group Int Rech Sci Stomatol 13:369-81, Jul-Oct 70 (Fre)

RADIATION EFFECTS

[Effect of ionizing radiation on the teeth and maxillofacial bone structure during development. Report of a case of myxoma] Douniau R, et al.
Acta Stomatol Belg 67:451-65, 1970 (Fre)

SURGERY

[1st premolar tooth germ removal: indications and surgical technics] Bergamini MF.
Riv Ital Stomatol 25:1093-102, Dec 70 (Ita)

TRANSPLANTATION

Tooth transplantation in the mouse. I. The use of procion dyes and tritiated proline in a study of syngeneic tooth germ transplantation. Klein J, et al.
Am J Anat 131:371-85, Jul 71
Transplantation, implantation, and grafts. Boyne PJ.
Dent Clin North Am 15:433-53, Apr 71
Tooth transplantation in the mouse. II. The role of the histocompatibility-2 (H-2) system in tooth germ transplantation. Klein J, et al.
Oral Surg 32:513-21, Sep 71
[Value of intra-testicular transplantation for the study of premature differentiation of tooth germs in the mouse] Heritier M.
Rev Stomatoodontol Nord Fr 25:79-90, 1970 (Fre)
[Preliminary studies on the possibility of regulation of incisor germs in the mouse] Heritier M.
Rev Stomatoodontol Nord Fr 26:87-94, 1971 (Fre)
[The development and innervation of tooth germs in conditions of homografting] Vradislavleva RV.
Stomatologiia (Mosk) 49:29-32, Nov-Dec 70 (Rus)

TOOTH, IMPACTED (C4)

see also related
TOOTH EXTRACTION (E4, E6)

Unusual impacted maxillary third molar. Berns JM, et al. Dent Radiogr Photogr 44:20-1, 1971
The management of impacted canines: free physiologic eruption. Clark D. J Am Dent Assoc 82:836-40, Apr 71
Induced eruption and functional use of an unerupted third molar. Sim J. J Can Dent Assoc 37:315-6, Aug 71
[Clinical picture and pathogenesis of carcinoma of the alveolar ridge with special reference to the impacted wisdom tooth] Jacobs HG. DDZ 24:533-8, Dec 70 (Ger)
[2 cases of multiple impacted supernumerary teeth] Valletta G, et al.
Arch Stomatol (Napoli) 10:143-50, Jul-Sep 70 (Ita)
[2 cases of multiple impacted supernumerary teeth] Valletta G, et al.
Arch Stomatol (Napoli) 10:143-50, Jul-Sep 69 (Ita)
[Impacted upper canines] Rayne J.
Dent Cadmos 37:1130-52, Aug 69 (Ita)
[Orthodontic treatment of difficult eruption of lower wisdom teeth] Kostur BK.
Stomatologiia (Mosk) 50:87-8, May-Jun 71 (Rus)
[Tooth eruption in children and its disorders] Nuñez Coello N.
An Esp Odontoestomatol 30:59-73, Jan-Feb 71 (Spa)

COMPLICATIONS

Evaluation of unerupted teeth: orthodontic viewpoint. Di Salvo NA. J Am Dent Assoc 82:829-35, Apr 71
Evaluation of the third molar problem. Laskin DM. J Am Dent Assoc 82:824-8, Apr 71
Third molar implications in orthodontics. Weinstein S. J Am Dent Assoc 82:319-23, Apr 71
Root resorption of second molar related to impacted 3rd molar. Romero CJ. Oral Surg 32:502, Sep 71
[Impaction of permanent maxillary central incisors associated with supernumerary teeth] Ravn JJ, et al.
Tandlaegebladet 75:1-6, Jan 71 (Dan)
[Pericoronary adamantine cyst on an impacted second, left inferior molar] Apap G.
Rev Stomatol Chir Maxillofac 72:591-5, Jul-Aug 71 (Fre)
[Retention of deciduous teeth] Haase G.
Dtsch Stomatol 21:45-7, Jan 71 (Ger)

ETIOLOGY

The alinement of a maxillary central incisor following the removal of an odontome. A case report. Savage M.
Br Dent J 130:489-90, 1 Jun 71
Mucous membrane and delayed eruption. Di Biase DD.
Dent Pract Dent Rec 21:241-50, Mar 71
The impacted maxillary incisor. Hitchin AD.
Dent Pract Dent Rec 20:423-33, Aug 70
Traumatic disruption of the developing incisor in rats. Levy BA. J Dent Res 50:565-8, May-Jun 71
Traumatic nasal impaction. Waugh R.
Oral Surg 30:730-3, Dec 70
[Inclusion of deciduous molars. Growth inhibition or recession] Fritzsche H.
Dtsch Stomatol 20:771-6, Oct 70 (Ger)
[X-ray cephalometric study of cases of dystopia, or retention of the upper cuspid] Dahan J.
Fortschr Kieferorthop 31:249-58, Oct 70 (Ger)
[Late consequences of premature extraction of deciduous molars] Binder K.
Osterr Z Stomatol 68:68-71, Feb 71 (Ger)

RADIOGRAPHY

Panoramic radiographic survey: a study of embedded third molars. Morris CR, et al.
J Oral Surg 29:122-5, Feb 71
An unusual position of a mandibular 4th molar. Ogborn BL. Oral Surg 32:664, Oct 71
[Clinical and radiographic diagnosis in pathological eruption of the 3d lower molar] Cervera Martinez A.
An Esp Odontoestomatol 29:412-30, Sep-Oct 70 (Spa)

SURGERY

Preorthodontic surgery in the treatment of impacted canines. Lewis PD. Am J Orthod 60:362-97, Oct 71
Impacted teeth. Szmyd L.
Dent Clin North Am 15:299-318, Apr 71
Autogenous transplantation of unerupted maxillary canines: a clinical and histological investigation over five years. Thonner KE.
Dent Pract Dent Rec 21:251-7, Mar 71
Evaluation of three techniques for the management of postextraction third molar sockets. Khosla VM, et al.
Oral Surg 31:189-98, Feb 71
Effects of placebo administration on the postoperative course of oral surgery. Lantz B.
Sven Tandlak Tidskr 63:621-6, Sep 70
[Surgical methods for the preservation of impacted teeth] Komínek J, et al.
Cesk Stomatol 71:148-51, May 71 (Cze)
[Postoperative treatment following extraction of impacted teeth] Libotte M.
Acta Stomatol Belg 68:125-32, 1971 (Fre)
[Hasty and counter-indicated prosthetic restoration of a broken upper central incisor] Gysel C.
Rev Belge Med Dent 25:668, 1970 (Fre)
[Extraction of unerupted or impacted wisdom teeth, a fractioning technic] Buisson G.
Rev Fr Odontostomatol 17:635-46, May 70 (Fre)
[A rare case of ectopy of an upper wisdom tooth in the orbital floor] Nicolas P, et al.
Rev Fr Odontostomatol 17:1107-10, Oct 70 (Fre)
[Conservation of impacted teeth in connection with follicular cysts] Neuner O, et al.
Schweiz Monatsschr Zahnheilkd 80:1325-30, Dec 70 (Fre)
[Indications for the surgical orthodontic management of retained and semi-retained molars] Tränkmann J, et al. Dtsch Zahnaerztl Z 25:1141-3, Dec 70 (Ger)
[A new method for surgical exposure of impacted teeth] Tränkmann J.
Dtsch Zahnaerztl Z 26:830-1, Aug 71 (Ger)
[50 cases with variation in the displacement of cuspids following surgical orthondontic treatment] Adam M.
Fortschr Kieferorthop 31:65-72, Sep 70 (Ger)
[Indications for the removal of retained teeth] Celesnik F. Osterr Z Stomatol 68:7-11, Jan 71 (Ger)
[Results of open-wound treatment using Schmuziger's vaseline strip in extractions of the lower impacted wisdom tooth] Bernet HJ.
Schweiz Monatsschr Zahnheilkd 80:1065-96, 1970 (Ger)
[The postoperative damage of the inferior alveolar nerve following extraction of the impacted lower wisdom tooth] Egyedi P.
Schweiz Monatsschr Zahnheilkd 80:1091-8, 1970 (Ger)
[Our experiences with surgical correction of impacted teeth] Komínek J, et al.
Schweiz Monatsschr Zahnheilkd 81:351-62, Apr 71 (Ger)
[Repositioning of impacted upper front teeth by corrective orthodontic and surgical methods] Bögi I.
Fogorv Sz 64:47-51, Feb 71 (Hun)
[Postoperative therapeutic indications in impacted lower 3d molars] Vallardi E.
Dent Cadmos 33:1471-8, Nov 65 (Ita)
[Vital autotransplantations of impacted canines] Pappalardo G.
Riv Ital Stomatol 25:891-704, Aug 70 (Ita)
[The surgical treatment of impacted supernumerary teeth] Dumitrescu LI, et al.
Stomatologia (Bucur) 18:163-6, Mar-Apr 71 (Rum)
[The technic of removing the lower 3d molar in retention and difficult eruption] Dranovskiĭ GE.
Stomatologiia (Mosk) 49:56-7, Jul-Aug 70 (Rus)
[Anesthetic and functional restoration of impacted canines] Fastlicht S.
Gac Med Mex 100:1161-7, Nov 70 (Spa)
[Flap technique in the extraction of the impacted lower third molar. A critical assessment and account of a special method] Nordenram A.
Sven Tandlak Tidskr 63:687-94, Oct 70 (Swe)

THERAPY

Treatment of unerupted incisors. Bishara SE.
Am J Orthod 59:443-7, May 71
The unerupted buccally displaced maxillary canine. Surgico-orthodontic management. Howard RD.
Br Dent J 129:9-16, 7 Jul 70
Disimpaction: using a pin as a method of attachment. Rodesano AJ. Dent Pract Dent Rec 21:58-61, Oct 70
A review of the approaches to treatment of impacted maxillary cuspids. Andreasen GF.
Oral Surg 31:479-84, Apr 71
[Orthodontic management of an impacted upper cuspid, on the vestibular or the palatine side] O'Meyer RX. Rev Fr Odontostomatol 17:807-34, May 70 (Fre)
[Surgical-orthodontic treatment of unerupted teeth] Nishijima K, et al.
J Jap Orthod Soc 30:133-43, Jun 71 (Jap)

TOOTH LUXATION (C4, C14)

Some of the periodontal ramifications of replantation of avulsed teeth: a review. Kaplan RB, et al.
J Oral Med 26:40-7, Jan-Mar 71 (28 ref.)
[Partial root development after complete avulsion of a permanent incisor in a 7-year-old boy] Ravn JJ.
Tandlaegebladet 74:906-10, Aug 70 (Dan)

COMPLICATIONS

Root resorption of traumatic origin. Leeson RA.
Oral Surg 32:664-5, Oct 71
Luxation of permanent teeth due to trauma. A clinical and radiographic follow-up study of 189 injured teeth. Andreasen JO. Scand J Dent Res 78:273-86, 1970
Prognosis of permanent teeth involved in jaw fractures. A clinical and radiographic follow-up study. Rood-Petersen B, et al.
Scand J Dent Res 78:343-52, 1970
[A case of second maxillary incisor root malformation] Kvam E.
Nor Tannlaegeforen Tid 81:289-92, Apr 71 (Nor)

ETIOLOGY

Etiology and pathogenesis of traumatic dental injuries. A clinical study of 1,298 cases. Andreasen JO.
Scand J Dent Res 78:329-42, 1970

THERAPY

The reimplantation of displaced teeth. Monsour FN.
Aust Dent J 15:361-4, Oct 70
Conservative treatment of severely displaced permanent incisors. A case report. Kernohan DC, et al.
Br Dent J 131:111-2, 3 Aug 71
Avulsed natural crown as a temporary crown: report of case. Todd HW. J Am Dent Assoc 82:1398-400, Jun 71
Lingual arch and pontic appliance replacing a child's permanent incisor. Wright GZ.
J Can Dent Assoc 37:267-9, Jun-Jul 71
Treatment of fractured and avulsed teeth. Andreasen JO. J Dent Child 38:29-31 passim, Jan-Feb 71
Unusual case of tooth transplantation: report of case. Kristerson L. J Oral Surg 29:841-4, Nov 70
A simple appliance useful in the stabilization of avulsed teeth and alveolar fractures. Schneider SS, et al.
NY State Dent J 37:289-90, May 71
Temporary splinting using an adhesive system. Heiman GR, et al. Oral Surg 37:819-22, Jun 71
[Fixation with an orthodontic band-acrylic splint. A new fixation method for luxated permanent teeth] Andreasen JO.
Tandlaegebladet 75:404-7, May 71 (Dan)
[What should one think of dental implantation] Dechaume M. Rev Dent Liban 20:1-10, Sep 70 (Fre)
[Follow-up studies on the splinting of accidentally loosened teeth] Fischer R.
Osterr Z Stomatol 67:439-42, Nov 70 (Ger)
[Clinical aspects of incisor luxations] Krämzi B.
Osterr Z Stomatol 68:277-84, Jul 71 (Ger)
[A case of dental reimplantation] Baldinetti V.
Ann Stomatol (Roma) 19:453-60, Jun 70 (Ita)
[Results of treatment of mechanical injuries to anterior teeth in children] Knychalska-Karwan Z, et al. Czas Stomatol 24:851-8, Aug 71 (Pol)

TOOTH MIGRATION (C4, G1)

Changes in vasculature of the periodontium associated

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

with tooth movement in the rhesus monkey and dog. Khouw FE, et al. Arch Oral Biol 15:1125-32, Dec 70
Mesial drift of teeth in adult monkeys (Macaca irus) when forces from the cheeks and tongue had been eliminated. Moss JP, et al. Arch Oral Biol 15:979-86, Oct 70
Space closure following loss of lower first premolars. Cookson A. Dent Pract Dent Rec 21:411-6, Jul 71
Transmigration of nonerupted mandibular canines: report of cases. Tamitano JJ, et al. J Am Dent Assoc 82:1395-7, Jun 71
Tooth movement into edentulous areas. Love WD, et al. J Prosthet Dent 25:271-8, Mar 71
[Tooth movement] Miura F, et al. J Jap Stomatol Soc 38:209, Mar 71 (Jap)

THERAPY

The unerupted buccally displaced maxillary canine. Surgico-orthodontic management. Howard RD. Br Dent J 129:9-16, 7 Jul 70

TOOTH MOBILITY (C4, G1)

Use of a computer model to study the force distribution on the root of the maxillary central incisor. Davidian EJ. Am J Orthod 59:581-8, Jun 71
Translation of premolars in the dog by controlling the moment-to-force ratio on the crown. Fortin JM. Am J Orthod 59:541-51, Jun 71
Differential response incident to tooth movement. Furstman L, et al. Am J Orthod 59:600-8, Jun 71
Anteroposterior changes in tooth position as determined cephalometrically from gold implants. Mitchell DL, et al. Am J Orthod 60:46-53, Jul 71
Incisor movement in Class 3 malocclusions treated with the Begg light-wire technique. Rodesano AJ. Am J Orthod 60:355-67, Oct 71
Method for continuous, controlled application ofseparating force to rat molar teeth. Hadj-Salem HM. Angle Orthod 41:76-9, Jan 71
Tissue reaction and recovery following experimental tooth movement. Kronman JH. Angle Orthod 41:125-32, Apr 71
Comparative behavior of human and animal tissue during experimental tooth movement. Reitan K, et al. Angle Orthod 41:1-14, Jan 71
A clinical assessment of light and heavy forces in the closure of extraction spaces. Sleichter CG. Angle Orthod 41:66-75, Jan 71
Tooth position and anterior bone loss in skulls. Beagrie GS, et al. Br Dent J 129:471-4, 17 Nov 70
Changes in abutment tooth mobility by wearing partial denture. Goto T. Bull Tokyo Med Dent Univ 17:329-43, Dec 70
Effects on gingival fluid of periodontal ligament trauma. Bowles D, et al. Helv Odontol Acta 15:58-60, Apr 71
Standardized tooth mobility measurements: method error under normal and experimental conditions. Marthaler TM, et al. Helv Odontol Acta 15:61-3, Apr 71
Scanning electron microscopy of the dog periodontium. Shackleford JM. J Periodont Res 6:45-64, 1971
Removable partial denture abutment tooth movement as affected by inclincation of residual ridges and type of loading. Cecconi BT, et al. J Prosthet Dent 25:375-81, Apr 71
Fit of the removable partial denture base and its effect on abutment tooth movement. Cecconi BT, et al. J Prosthet Dent 25:515-9, May 71
The effect of partial denture clasp design on abutment tooth movement. Cecconi BT, et al. J Prosthet Dent 25:44-56, Jan 71
Fern root planes. Taylor RM. NZ Dent J 66:248-51, Jul 70
The effect of experimental tooth intrusion on pulp and dentine. Stenvik A, et al. Oral Surg 32:639-48, Oct 71
[Microbiology of parodontolysis] Peret R. Rev Fr Odontostomatol 17:1041-62, Oct 70 (Fre)
[Changes in tooth mobility in the course of orthodontic treatment] Tränkmann J, et al. Dtsch Zahnaerztl Z 26:473-7, Apr 71 (Ger)
[Effect of experimental change of position of the cuspids on tooth mobility] Curilović Z. Schweiz Monatsschr Zahnheilkd 81:413-32, May 71 (Ger)
[Cellular proliferation of periodontium subjected to orthodontic tooth movement in the rat] Deguchi T. J Jap Orthod Soc 29:168-72, 1970 (Jap)
[Experimental study in the physiological mobility of the tooth] Goto T. Shikwa Gakuho 71:1415-44, 1971 (Jap)
[The bone factor in functional orthodontics of the jaws] Stefanelli A. Rev Fed Odontol Colomb 18:43-51, Jan-Mar 69 (Spa)

COMPLICATIONS

Root resorption after restorative procedures. Weiss MB, et al. J Am Dent Assoc 83:146-8, Jul 71
[Studies of microradiography and polarization microscopy on the immediate dental reajustment in the monkey] Diaconescu M, et al. Stomatologia (Bucur) 17:489-94, Nov-Dec 70 (Rum)

DIAGNOSIS

[Evaluation of the condition of the periodontium by testing the mobility of the teeth] Kowalski W. Czas Stomatol 23:1191-9, Oct-Nov 70 (Pol)

DRUG EFFECTS

A histological investigation of the effects of raben type growth hormone during controlled tooth movement in the maxillary incisor teeth in the laboratory rat. Decker R. Am J Orthod 59:300, Mar 71

ETIOLOGY

A histopathologic study of incisal dysfunction and gingival inflammation in the Rhesus monkey. Kenney EB. J Periodontol 42:3-7, Jan 71
[Roentgenographic study of changes in the maxillary bones in functional underloading and overloading of the jaws system (experimental study)] Kurliandskiĭ VIu, et al. Stomatologiia (Mosk) 50:41-4, Jan-Feb 71 (Rus)

PHYSIOPATHOLOGY

The effects of excessive occlusal force on the pulp. Landay MA, et al. Oral Surg 32:623-38, Oct 71

THERAPY

A preliminary report on the severing of gingival fibres following rotation of teeth. Strahan JD, et al. Dent Pract Dent Rec 21:101-2, Nov 70
Provisional intracoronal fixation: an improved technique. Surber JV, et al. J Periodontol 42:592-3, Sep 71
[Some possibilities of prosthetic therapy for partially edentulous patients] Chiru-Mocanu M, et al. Stomatologia (Bucur) 18:245-52, May-Jun 71 (Rum)
[The remote results of immobilization of mobile teeth with different bars and bar-prosthesis in parodontosis] Sverdlov ElIu. Stomatologiia (Mosk) 49:58-9, Sep-Oct 70 (Rus)
[Anterior inferior fixations] Luna Uribe C. Rev Fed Odontol Colomb 18:17-23, Jan-Mar 69 (Spa)

TOOTH PERMEABILITY (E6, G1)

The effect of ultrasonic cement removal upon Ca 45 penetration beneath orthodontic bands. Schroeder DH. Am J Orthod 60:199, Aug 71
The uptake of 24Na by human dental enamel. Braden M, et al. Arch Oral Biol 16:367-74, Apr 71
Diffusion of radioactive ions into human dental enamel. Joyston-Bechal S, et al. Arch Oral Biol 16:375-84, Apr 71
Permeability of human dental enamel to acriflavine and potassium fluoride. Tarbet WJ, et al. Arch Oral Biol 16:951-61, Aug 71
The selectivity of human dental enamel to ionic transport. Waters NE. Arch Oral Biol 16:305-22, Mar 71
[Penetration of various radioisotope labeled drugs into the dental tissues] Raulo J, et al. Rass Int Stomatol Prat 22:59-69, Mar-Apr 71 (Ita)

DRUG EFFECTS

Dentine in vivo impermeability to radioactively labeled prdnisolone. Leonard EP, et al. Oral Surg 31:104-12, Jan 71
[How far does a brief cauterization of the enamel influence the effect of treatment of the teeth with fluoride lacquer? II. Results of animal experiments] Heuser H, et al. Dtsch Zahn Mund Kieferheilkd 55:266-73, Dec 70 (Ger)
[How far does a brief cauterization of the enamel influence the effect of treatment of the teeth with fluoride lacquer? I. In vitro studies] Heuser H, et al. Dtsch Zahn Mund Kieferheilkd 55:258-65, Dec 70 (Ger)
[The permeability of dental tissues for mesocain C14] Kobilov NM, et al. Stomatologiia (Mosk) 49:29-31, Jul-Aug 70 (Rus)

TOOTH REIMPLANTATION (E4, E6)

Effect of fluorides on root resorption in replanted rat molars. Bjorvatn K, et al. Acta Odontol Scand 29:17-29, Apr 71
Reimplantation of mandibular incisors in the guinea pig. A histologic and autoradiographic study. Johansen JR. Acta Odontol Scand 28:633-60, Nov 70
The reimplantation of displaced teeth. Monsour FN. Aust Dent J 15:361-4, Oct 70
Successful replantation of an anterior tooth with an apical third fracture. Matthews RW. Br Dent J 130:117-8, 2 Feb 71
A two-part splint for use in surgical replantation of teeth. Howard RD. Br J Oral Surg 8:145-7, Nov 70
Odontogenesis following replantation of erupted maxillary central incisor. Adatia AK. Dent Pract Dent Rec 21:153-5, Jan 71
Reimplantation of a primary central incisor: a case report. Crabb JJ, et al. Dent Pract Dent Rec 21:353-4, Jun 71
Treatment of fractured and avulsed teeth. Andreasen JO. J Dent Child 38:29-31 passim, Jan-Feb 71
A new technique for replants and transplants: clinical report of 229 cases. Colletti GD. J Oral Med 26:82-4, Apr-Jun 71
Some of the periodontal ramifications of replantation of avulsed teeth: a review. Kaplan RB, et al. J Oral Med 26:40-7, Jan-Mar 71 (28 ref.)
Replantation after extraction and retrograde root canal filling. Report of a case. Kuerer B. NY State Dent J 37:355-7, Jun-Jul 71
A simple appliance useful in the stabilization of a vulsed teeth and alveolar fractures. Schneider SS, et al. NY State Dent J 37:289-90, May 71
Temporary splinting using an adhesive system. Heiman GR, et al. Oral Surg 37:819-22, Jun 71
A clinical and radiographic study of 76 autotransplanted third molars. Andreasen JO, et al. Scand J Dent Res 78:512-23, 1970
[Surgical methods for the preservation of impacted teeth] Komínek J, et al. Cesk Stomatol 71:148-51, May 71 (Cze)
[What should one think of dental implantation] Dechaume M. Rev Dent Liban 20:1-10, Sep 70 (Fre)
[A reimplantation] Chaillet C. Rev Stomatoodontol Nord Fr 25:171-3, 1970 (Fre)
[Our experiences with surgical correction of impacted teeth] Komínek J, et al. Schweiz Monatsschr Zahnheilkd 81:351-62, Apr 71 (Ger)
[A case of dental reimplantation] Baldinetti V. Ann Stomatol (Roma) 19:453-60, Jun 70 (Ita)
[Practical notes on dental reimplantation] Cagidiaco M. Mondo Odontostomatol 13:221-38, Mar-Apr 71 (Ita)
[Dental reimplantation as a hemostatic measure in hemophiliacs] Navarrete F. ADM 27:505-9, Nov-Dec 70 (Spa)

TOOTH REMINERALIZATION see under TOOTH CALCIFICATION (G1)

TOOTH RESORPTION (C4, G1)

Sudanophil material at the edge of resorption lacunae of quinea-pig teeth and bones. Yoshiki S, et al. Arch Oral Biol 16:823-6, Jul 71
The effect of experimental tooth intrusion on pulp and dentine. Stenvik A, et al. Oral Surg 32:639-48, Oct 71
[Physiological and pathological root resorption in deciduous teeth] Hidasi G. Fogorv Sz 63:335-7, Nov 70 (Hun)

DIAGNOSIS

[Importance of tooth root resorption in the differential diagnosis of cystic bone processes in x-ray pictures] Lentrodt J, et al. Dtsch Zahnaerztl Z 26:378-83, Mar 71 (Ger)

DRUG EFFECTS

Effect of fluorides on root resorption in replanted rat molars. Bjorvatn K, et al. Acta Odontol Scand 29:17-29, Apr 71

ETIOLOGY

Root resorption after restorative procedures. Weiss MB, et al. J Am Dent Assoc 83:146-8, Jul 71
Dens in dente with internal resorption. Bellizzi R. Oral Surg 32:155-6, Jul 71
Root resorption of doubtful etiology. Blain GS. Oral Surg 37:839-40, Jun 71
Root resorption of second molar related to impacted 3rd molar. Romero CJ. Oral Surg 32:502, Sep 71
[Late response of the apical tissue to acute trauma] Maiwald HJ. Dtsch Stomatol 20:787-90, Oct 70 (Ger)
[A case of second maxillary incisor root malformation] Kvam E. Nor Tannlaegeforen Tid 81:289-92, Apr 71 (Nor)
[A case of morpho-functional disturbance as a complication of root canal therapy] Heimdahl A. Odontol Foren Tidskr 33:101-5, 1969 (Swe)

RADIOGRAPHY

[Root resorption in persistent deciduous teeth] Hidasi G. Fogorv Sz 64:109-11, Apr 71 (Hun)

THERAPY

[A case of extensive root resorption of the permanent incisor with eruption of a palatally impacted cuspid] Zachrisson BU, et al. Nor Tannlaegeforen Tid 81:440-4, Jun 71 (Nor)

TOOTH ROOT (A3)

Use of a computer model to study the force distribution on the root of the maxillary central incisor. Davidian EJ. Am J Orthod 59:581-8, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A simple method for torquing incisor roots. Hitchcock HP. Am J Orthod 58:455-8, Nov 70
Discussion of: methods and criteria in evaluation of periapical response. Muruzábal M, et al. Int Dent J 20:539-54, Sep 70
Methods and criteria in evaluation of periapical tissue response. Oynick J. Int Dent J 20:533-8, Sep 70
Periapical localization using fiber optics. Parker WA, et al. J Oral Med 26:17-20, Jan-Mar 71
A comparison of canal preparations in straight and curved root canals. Schneider SW. Oral Surg 32:271-5, Aug 71
Laser use in endodontics. A preliminary investigation. Weichman JA, et al. Oral Surg 31:416-20, Mar 71
[3 and 4 root upper premolars] Gysel C. Ned Tijdschr Tandheelkd 78:20-1, Jan 71 (Dut)
[Treatment of apical periodontitis] Franke J. Dtsch Stomatol 21:373-9, May 71 (Ger)
[The radix relicta from the viewpoint of he dental expert] Freyberger P. ZWR 80:243-5, 25 Mar 71 (Ger)

ABNORMALITIES

Taurodontism: a biometric study. Blumberg JE, et al. Am J Phys Anthropol 34:243-55, Mar 71
Three-rooted first premolars and their genetic and anthropological significance. Armitage B. Br Dent J 130:245-6, 16 Mar 71
Three-rooted mandibular molars in the Keewatin Eskimo. Curzon ME, et al. J Can Dent Assoc 37:71-2, Feb 71
Three-rooted mandibular first permanent molars in Alberta Indian children. Somogyi-Csizmazia W, et al. J Can Dent Assoc 37:105-6, Mar 71
Interior alveolar nerve foramen in tooth. Bosshardt LL, et al. Oral Surg 32:503-4, Sep 71
Predictable endodontic and periodontic failures as a result of radicular anomalies. Simon JH, et al. Oral Surg 37:823-6, Jun 71
[Case of double-rooted lower 2nd premolar] Onda S. Shikwa Gakuho 71:1402-5, May 71 (Jap)

ANATOMY & HISTOLOGY

The relationship between facial proportions and root length in the dentition of dogs. Riesenfeld A, et al. Am J Phys Anthropol 33:429-32, Nov 70
Some observations on radicular enamel. Moskow BS. J Periodontol 42:92-6, Feb 71

CYTOLOGY

[canning electron microscopy of developing roots of molar teeth of the laboratory rat. Lester KS, et al. J Ultrastruct Res 33:80-94, Oct 70
The fine structure of the odontoblast-predentin area in the root. Furseth R. Scand J Dent Res 79:141-50, 1971
[Ultrastructural studies on transparent root dentin in caries-free teeth] Vahl J, et al. Dtsch Zahnaerztl Z 26:365-77, Mar 71 (Ger)

GROWTH & DEVELOPMENT

Studies on the consecutive survey of succedaneous and permanent dentition in the Japanese children. 6. Interrelationship between the menarche and the formation of premolar roots. Ando S, et al. J Nihon Univ Sch Dent 12:135-53, Dec 70
First permanent molars subjected to mortal amputation before maturation of roots. II. Roentgenologic and histologic study of ingrowth of vital tissue into devitalized, fixed pulp tissue. Granath LE, et al. Odontol Revy 21:319-30, 1970
Apical closure of nonvital teeth. Dylewski JJ. Oral Surg 32:82-9, Jul 71
Experimental root apexification in primates. Steiner JC, et al. Oral Surg 31:409-15, Mar 71
Human lower premolars: macro-morphologic observations on the ontogenesis of the root complex. Carlsen O. Scand J Dent Res 78:5-27, 1970
[Partial root development after complete avulsion of a permanent incisor in a 7-year-old boy] Ravn JJ. Tandlaegebladet 74:906-10, Aug 70 (Dan)
[Occlusion of the apical foramina of the teeth by formation of autologous hard tissue] Raab H. ZWR 80:145-8, 25 Feb 71 (Ger)
[A case of second maxillary incisor root malformation] Kvam E. Ner Tannlaegeforen Tid 81:289-92, Apr 71 (Nor)

INJURIES

The case history of a root perforation and a method for its prevention. Riggans JW Jr. Dent Dig 77:275-9, May 71
Pseudoendodontic sinus tract: report of case. Harris WE. J Am Dent Assoc 83:165-7, Jul 71
Cementogenic rpair of root fractures. Michanowicz AE, et al. J Am Dent Assoc 82:569-79, Mar 71
Longitudinal root fracture due to corrosion of an endodontic post. Petersen KB. J Can Dent Assoc 37:66-8, Feb 71
Sealing of root perforations by apicoectomy. Schommer JD, et al. J Can Dent Assoc 37:350-2, Sep 71
Treatment of fractures of the middle third of the root. Weine FS, et al. J Dent Child 38:215-9, May-Jun 71
[Case of root fracture with unusual healing progress] Hansen P. Tandlaegebladet 75:28-31, Jan 71 (Dan)
[Intraradicular splinting of fractured roots] Lamers AC. Ned Tijdschr Tandheelkd 78:313-4, Aug-Sep 71 (Dut)

PATHOLOGY

Cytotoxic effects of periodontally involved surfaces of human teeth. Hatfield CG, et al. Arch Oral Biol 16:465-8, Apr 71
[Electron microscopic examination of root cementum in teeth of healthy subjects and in parodontopathies] Atanasowa E. Czas Stomatol 23:1263-71, Oct-Nov 70 (Pol)

RADIOGRAPHY

Position of the apical foramen in relation to endodontic therapy. Palmer MJ, et al. J Can Dent Assoc 37:305-8, Aug 71
Oroantral communications and displacements of roots into the maxillary sinus: a follow-up of 231 cases. Wowern N von. J Oral Surg 29:822-7, Sep 71
Root fractures due to corrosion. Diagnostic aspects. Rud J, et al. Scand J Dent Res 78:397-403, 1970
[Root calcification and tooth eruption in the mixed dentition. A study in panoramic x-rays] Schopf PM. Fortschr Kieferorthop 31:39-56, Sep 70 (Ger)
[Secondary production of hard tissue in the apical foramen after the application of calcium hydroxide as a contrast medium] Haverla T. Cesk Stomatol 71:208-13, Jul 71 (Slo)

SURGERY

[The place of crown-root resections in conservative dentistry] Goudaert M, et al. Rev Stomatoodontol Nord Fr 26:21-32, 1971 (Fre)

TRANSPLANTATION

[Histological study of autografts of dental roots in the eyelid of Macacus rhesus. II] Strampelli B, et al. Ann Ottalmol Clin Oculi 95:709-19, Sep 69 (Ita)

TOOTH, SUPERNUMERARY (C16)

Functioning supernumerary mandibular premolars. Report of a case. Vande Voorde HE. Dent Dig 77:392-5, Jul 71
Macrodontic maxillary second primary molar in an Eskimo skull. An morphogenetic study. Jakobsen J, et al. Scand J Dent Res 78:524-9, 1970
[Syndesmo-radicular abnormality of an upper lateral supernumerary incisor] Gysel C. Rev Belge Med Dent 25:464, 1970 (Fre)
[Late primordium of regular and supernumeral teeth] Haunfelder D, et al. Dtsch Zahnaerztl Z 26:857-62, Sep 71 (Ger)
[Histological studies on supernumerary teeth] Hennis I. Stoma (Heidelb) 23:246-63 contd, Nov 70 (Ger)
[Histological studies on supernumerary teeth] Hennis I. Stoma (Heidelb) 24:34-48, Feb 71 (Ger)
[2 cases of multiple impacted supernumerary teeth] Valletta G, et al. Arch Stomatol (Napoli) 10:143-50, Jul-Sep 70 (Ita)
[2 cases of multiple impacted supernumerary teeth] Valletta G, et al. Arch Stomatol (Napoli) 10:143-50, Jul-Sep 69 (Ita)
[A case of multiple supernumerary teeth] Kozlowska I, et al. Czas Stomatol 24:237-41, Mar 71 (Pol)

COMPLICATIONS

[Impaction of permanent maxillary central incisors associated with supernumerary teeth] Ravn JJ, et al. Tandlaegebladet 75:1-6, Jan 71 (Dan)
[The incidence of mesiodens in a supernumerary lateral upper incisor] Gysel C. Ned Tijdschr Tandheelkd 77:355-6, Oct 70 (Dut)

FAMILIAL & GENETIC

The genetics and development of fused and supernumerary molars in the rice rat. Sofaer JA, et al. J Embryol Exp Morphol 26:99-109, Aug 71

OCCURRENCE

Supernumerary teeth occurring in oral surgery patients at a municipal hospital. Adler CI. J Oral Surg 28:888-91, Dec 70

RADIOGRAPHY

Post-permanent dentition in the premolar region. Bowden DE. Br Dent J 131:113-6, 3 Aug 71
Monostotic fibrous dysplasia with dental anomalies. Report of a case. Catena DL, et al. Oral Surg 32:136-40, Jul 71
Multiple supernumerary premolars and incisors. Nelson JF. Oral Surg 31:279, Feb 71
Malpositioned supernumerary central incisors. Weisman MI. Oral Surg 30:781, Dec 70

SURGERY

[The surgical treatment of impacted supernumerary teeth] Dumitrescu LI, et al. Stomatologia (Bucur) 18:163-6, Mar-Apr 71 (Rum)

THERAPY

[Orthodontic therapy of supernumerary teeth in the maxillary incisor region] Hennis I. ZWR 80:375-86, 10 May 71 (Ger)

TOOTH SUPPORTING STRUCTURES see

PERIODONTIUM (A3)

TOOTH, UNERUPTED see under TOOTH,

IMPACTED (C4)

TOOTHACHE (C4, C17)

[Psychology of the tooth pain--physiological basis] Horiuchi H. J Jap Dent Assoc 23:647-52, Oct 70 (Jap)

DRUG THERAPY

Self-medication for dental pain. Rothwell PS. Dent Pract Dent Rec 20:409-13, Aug 70

ETIOLOGY

Lymphosarcoma presenting with oral symptoms. Binnie WH, et al. Br Dent J 130:235-8, 16 Mar 71
Dentistry, herpes zoster, and varicella. Easton HG. Br Med J 4:117, 10 Oct 70
[Pseudo-toothache] Van Clooster R. Rev Belge Med Dent 26:67-71, 1971 (Dut)
[Toothache] Pritz W, et al. Osterr Z Stomatol 68:170-8, May 71 (Ger)
["Pain in the cervical area of the tooth". On the remark in "Z. f. Allgemeinmedizin--Der Landarzt", Vol 8-1970, page 408] Keil A. Z Allgemeinmed 46:936, 30 Jun 70 (Ger)

HISTORY

Foley's footnotes. Toothache. Foley GP. J Am Dent Assoc 82:926, May 71

OCCURRENCE

Dental pain and health. Miller J, et al. Public Health 85:46-50, Nov 70

PHYSIOPATHOLOGY

[Pain receptor in toothache] Nitta M. J Jap Stomatol Soc 37:249, Sep 70 (Jap)
[Physiopathology of bucco-maxillo-facial pain] Filipescu A, et al. Stomatologia (Bucur) 18:253-61, May-Jun 71 (Rum)

TOOTHBRUSHING (G3)

Evaluation of an unsupervised oral hygiene programme. Downer MC. Br Dent J 131:152-6, 17 Aug 71
Classification of toothbrush stiffness by a dynamic method. Heath JR, et al. Br Dent J 130:59-66, 19 Jan 71
Toothbrush age and wear. An analysis. McKendrick AJ, et al. Br Dent J 130:66-8, 19 Jan 71
Oral hygiene activity in a selected dental population. Edwards MB, et al. Dent Pract Dent Rec 21:312-6, May 71
Patient reaction to an electric toothbrush. McKendrick AJ, et al. Dent Pract Dent Rec 21:321-2, May 71
The effect of a fluoride gel used for supervised toothbrushing 15 or 30 times per year. Marthaler TM, et al. Helv Odontol Acta 14:67-77, Oct 70
Clinical anticaries effect of supervised toothbrushing with fluoride tablets for topical application. Marthaler TM, et al. Helv Odontol Acta 14:77-9, Oct 70
Learning can be fun. Lewis RA. J Am Dent Assoc 82:1294-6, Jun 71
The application of various correlations in dental measurements and oral hygiene. Yin KY. J Nihon Univ Sch Dent 12:98-104, Sep 70
The effect of different methods of interdental cleaning. Gjermo P, et al. J Periodont Res 5:230-6, 1970
The influence of time of examination, eating, smoking and frequency of brushing on the oral debris index. McKendrick AJ, et al. J Periodont Res 5:205-7, 1970
How frequently must patients carry out effective oral hygiene procedures in order to maintain gingival health? Ariaudo AA, et al. J Periodontol 42:309-13, May 71
Fear arousal, persuasion, and actual versus implied behavioral change: new perspective utilizing a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

real-life dental hygiene program. Evans RI, et al. J Pers Soc Psychol 16:220-7, Oct 70
The effect of self-applied fluoride paste. Gunz GM. J Public Health Dent 31:177-81, Summer 1971
The patient hygiene performance method as an indication of behavioral change following persuasive communications; a study of validity. Ramirez A, et al. J Public Health Dent 31:188-90, Summer 1971
How to motivate patients toward effective and permanent oral health. Lobene RR. Parodontologie 25:58-9, Jun 71
Current concepts. How do I motivate my patients towards good and permanent oral hygiene? Wade AB. Parodontologie 25:56-7, Jun 71
Pica? or dental hygiene. Nkrumah FK, et al. Pediatrics 47:789-90, Apr 71
The effectiveness of the Charters', scrub and roll methods of toothbrushing by professionals in removing plaque. Frandsen AM, et al. Scand J Dent Res 78:459-63, 1970
The effect of habitual toothcleansing on the occurrence of periodontal disease and dental caries. Ainamo J. Suom Hammaslaak Toim 67:63-70, 1971
Effect of toothbrushing on acrylic resin veneering material. I. A study of abrasion in vitro. Wictorin L. Sven Tandlak Tidskr 64:247-54, Apr 71
[Childrens' views, attitudes and approach to dental care] Hansen ER, et al. Tandlaegebladet 75:296-304, Apr 71 (Dan)
[Toothbrushes for single use] Kardel KM, et al. Tandlaegebladet 75:425-9, May 71 (Dan)
[Never brush your teeth] Longstrup AC. Tandlaegebladet 75:316-7, Apr 71 (Dan)
[Survey on bucco-dental hygiene in children] Lueza JM, et al. Rev Odontostomatol Midi Fr 28:129-35, 1970 (Fre)
[Pilot studies of the caries-protective effects of various methods of supervised toothbrushing] Hetzer G, et al. Dtsch Stomatol 20:927-32, Dec 70 (Ger)
[Results and experiences in controlled toothbrushing with various caries protective solutions] Hetzer G, et al. Dtsch Stomatol 21:135-9, Feb 71 (Ger)
[Clinical-experimental studies on the effect of different tooth brushing methods and agents] Gülzow HJ, et al. Dtsch Zahnaerztl Z 26:429, Mar 71 (Ger)
[Clinical-experimental studies on the effectiveness of various methods of tooth brushing and of various dentifrices] Gülzow HJ, et al. Dtsch Zahnaerztl Z 25:1126-34, Dec 70 (Ger)
[Tooth and mouth care habits of students of the university of Erlangen-Nürnberg] Gülzow HJ, et al. Dtsch Zahnaerztl Z 26:9-15, Jan 71 (Ger)
[Comparative serial studies in 2 groups of draftees for the determinatoon of the interaction between oral hygiene and periodontal disease] Hopf E. Zahnaerztl Mitt 61:317-20, 1 Apr 71 (Ger)
[Appropriate oral hygiene] Gülzow HJ. ZWR 79:977-81, 25 Nov 70 (Ger)
[New concept in tooth and oral hygiene for the prevention of periodontal diseases] Katayama T. J Jap Dent Assoc 23:1239-41, Mar 71 (Jap)
[Instruments for cleaning of the TEETH AND THE MOUTH] J Jap Dent Assoc 24:149-51, May 71 (Jap)
[Evaluation of toothbrushes of Polish production with regard to their structure] Bogdanowicz W, et al. Czas Stomatol 24:9-17, Jan 71 (Pol)
[Gingival massage in the prevention and treatment of periodontal diseases] Piątowska D. Czas Stomatol 24:105-11, Jan 71 (Pol)

INSTRUMENTATION

[Toothbrushes ability to remove dental plaque. II. Significance of brush head size and placement of tufts] Kardel KM, et al. Tandlaegebladet 75:189-96, Mar 71 (Dan)

TOOTHPASTE see under DENTIFRICES (D13)

TOPECTOMY see under PSYCHOSURGERY (E4, F3)

TORECAN see under THIETHYLPERAZINE (D6)

TORSION (C17)

Humeral torsion in recurrent shoulder dislocations. A technic of determination by X-ray. Debevoise NT, et al. Clin Orthop 76:87-93, May 71
[Torsion of "healthy" salpinx] Dallavalle R. Atti Accad Med Lomb 23:283-7, Apr-Jun 68 (Ita)

PHYSIOPATHOLOGY

[Torsion of the lower leg in compensated pes valgus. II] Paul U, et al. Beitr Orthop Traumatol 18:191-204, Apr 71 (Ger)

THERAPY

A study of femoral torsion in children. McSweeny A. J Bone Joint Surg [Br] 53:90-5, Feb 71

VETERINARY

Torsion of the large intestine in a young bull. Hitchcock PL. Aust Vet J 46:542-3, Nov 70

TORTICOLLIS (C3, C10)

Obsessionality, the Sandler-Hazari scale and spasmodic torticollis. Meares R. Br J Med Psychol 44:181-2, Jun 71
[Congenital muscular torticollis] Karthaus P. Ned Tijdschr Geneeskd 115:1042-6, 12 Jun 71 (Dut)
[The problem of torticollis in the light of the literature] Winiarska-Majczyno M. Czas Stomatol 24:945-9, Aug 71 (Pol)

CHEMICALLY INDUCED

Antinauseant drugs in treatment of epidemic or virus gastritis? Casteels-Van Daele M. Pediatrics 47:476, Feb 71

CLASSIFICATION

Features which distinguish groups of spasmodic torticollis. Meares R. J Psychosom Res 15:1-11, Mar 71

COMPLICATIONS

Natural history of spasmodic torticollis, and effect of surgery. Meares R. Lancet 2:149-50, 17 Jul 71

CONGENITAL

[Pathogenesis of congenital torticollis] Gašek Z. Acta Chir Orthop Traumatol Cech 37:303-8, Oct 70 (Cze)
[Mediating plastic surgery in congenital torticollis] Biesin A, et al. Beitr Orthop Traumatol 17:170-2, Feb 70 (Ger)
[Elements of orthopedics of pediatric interest. II. 1st year of life: hip, arms, neck] Pastorini M, et al. Riv Clin Pediatr 82:202-7, Oct-Dec 69 (Ita)

DIAGNOSIS

Missed diagnosis of a case of trochlear paralysis. Van Senus AH. Ophthalmologica 162:242-3, 1971

DRUG THERAPY

Torsion dystonia and spasmodic torticollis--results of treatment with L-dopa. Barrett RE, et al. Neurology (Minneap) 20:107-13, Nov 70
Treatment of spasmodic torticollis with diazepam. Bianchine JR, et al. South Med J 64:893-4, Jul 71
[Hydrocortisone in the treatment of muscular torticollis in newborns] Berman VV. Khirurgiia (Mosk) 46:141-2, Jul 70 (Rus)

ETIOLOGY

Torticollis associated with hiatus hernia (Sandifer's syndrome). O'Donnell JJ, et al. Am J Ophthalmol 71:1134-7, May 71
An instrument for measuring ocular torticollis (head turn, tilt, and bend). Schatz H, et al. Trans Am Acad Ophthalmol Otolaryngol 75:850-3, May-Jun 71
[Instability of the atlas on the axis in mongolism] Gerard Y, et al. Presse Med 79:573-6, 13 Mar 71 (Fre)
[Unusual malformation of the atlas] Boussina I, et al. Rhumatologie 21:303-10, Oct 69 (Fre)
[Grisel's syndrome and Hadley disease as a rare complication of tonsillectomy] Chüden HG, et al. HNO 18:339-42, Nov 70 (Ger)
[On the pathogenesis and therapy of ocular torticollis] Montaldi M, et al. Ann Ottalmol Clin Ocul 95:131-44, Feb 69 (Ita)
[New trends in study of the etiopathogenesis of torticollis. Ocular torticollis] Manca M, et al. Minerva Ortop 20:1-13, Jan-Feb 69 (Ita)
[2 cases of Grisel's disease after tonsillectomy] Smolin VN. Vestn Otorinolaringol 33:110-1, Jan-Feb 71 (Rus)
[Influence of lesions of the basal ganglia on the somatomotor response in man. Pathogenesis of torticollis spastica] Podivinský F. Cesk Neurol 34:57-63, Mar 71 (Slo)

FAMILIAL & GENETIC

[Congenital heredito-familial myogenic torticollis] Cattaneo L, et al. Minerva Ortop 20:650-1, Dec 69 (Ita)

PATHOLOGY

On the problem of the pathology of spasmodic torticollis in man. Tarlov E. J Neurol Neurosurg Psychiatry 33:457-63, Aug 70

PHYSIOPATHOLOGY

An electromyographic study of torticollis muscularis congenita. Håkansson CH, et al. Acta Orthop Scand 41:545-50, 1970
Somatomotor response in torticollis. Podivinský F. Electroencephalogr Clin Neurophysiol 30:276, Mar 71
Electromyographic studies in patients with spasmodic torticollis. Meares R, et al. J Psychosom Res 15:13-8, Mar 71
[Electromyographic studies of muscles taking part in neck movements in children with torticollis] Winiarska-Majczyno M, et al. Czas Stomatol 24:409-15, 1971 (Pol)

RADIOGRAPHY

[Atlas displacement as he result of inflammatory changes or surgery of the nasopharynx. Clinical picture based on Grisel and Hadley] Teske HJ, et al. Fortschr Geb Roentgenstr Nuklearmed 113:519-22, Oct 70 (Ger)

SURGERY

Spasmodic torticollis; results after cervical rhizotomy in 80 cases. Hamby WB, et al. Clin Neurosurg 17:28-37, 1969
Stereotactic treatment of different kinds of spasmodic torticollis. Hassler R, et al. Confin Neurol 32:135-43, 1970
Stimulation and destruction of and around the interstitial nucleus of Cajal in man. Sano K, et al. Confin Neurol 32:118-25, 1970
Muscular torticollis: late results of operative treatment. Staheli LT. Surgery 69:469-73, Mar 71
[Mediating plastic surgery in congenital torticollis] Biesin A, et al. Beitr Orthop Traumatol 17:170-2, Feb 70 (Ger)
[Late anatomical and functional results following surgery for torticollis in children] Drescher E, et al. Pol Tyg Lek 25:1925-8, 14 Dec 70 (Pol)

THERAPY

Spasmodic torticollis treated effectively by medical means. Gilbert GJ. N Engl J Med 284:896-8, 22 Apr 71
[Stereotaxic treatment of torticollis according to animal experiment experiences about direction determined movement] Hassler R, et al. Nervenarzt 41:437-87, Oct 70 (Ger)
[Psychoanalysis of Torticollis spasticus] Mitscherlich M. Nervenarzt 42:420-6, Aug 71 (Ger)
[Question of effectiveness of massage muscle torticolis in infants] Shinoda T. Orthop Surg (Tokyo) 22:22-9, Jan 71 (Jap)

VETERINARY

Torticollis in mice due to Pasteurella multocida infection. Savage NL, et al. Can J Comp Med 35:267-8, Jul 71

TORULA see CRYPTOCOCCUS (B5)

TORULOSIS see CRYPTOCOCCOSIS (C1)

TORUS MANDIBULARIS see under MANDIBLE

(A2) --ABNORMALITIES

TORUS PALATINUS see under PALATE (A2, A3)

--ABNORMALITIES

TOUCH (F1, G1)

Oral and manual stereognosis and two-point tactile discrimination of the tongue. Laine P, et al. Acta Odontol Scand 29:197-204, Jun 71
Feedback analysis of eye tracking of auditory and tactual stimuli. Schmidt JG, et al. Am J Optom 48:204-9, Mar 71
Errors in tactile localization. Culver CM. Am J Psychol 83:420-7, Sep 70
Haptic aesthetic value of the golden section. Hintz JM, et al. Br J Psychol 62:217-23, May 71
Afferent impulses in median nerve fascicles evoked by tactile stimuli of the human hand. Hagbarth KE, et al. Brain Res 24:423-42, 18 Dec 70
A safety feature for anaesthetic machines--touch identification of oxygen flow control. Calverley RK. Can Anaesth Soc J 18:225-9, Mar 71
Simple reaction time to cutaneous temperature stimuli. Corson JH, et al. Can J Psychol 24:305-10, Oct 70
Verbal mediators in cross-modal form discrimination. Koen F. Can J Psychol 25:103-10, Apr 71
A comparative study of Piaget's developmental schema of sighted children with that of a group of blind children. Gottesman M. Child Dev 42:573-80, Jun 71
Distrubances of tactile sensitivity in patients with unilateral cerebral lesions. Carmon A. Cortex 7:83-97, Mar 71
A comparison of blind and sighted children on a tactual and performance test. Eaves L, et al. Except Child 37:269-73, Dec 70
Cutile air and bone conduction thresholds of the deaf. Nober EH. Except Child 36:571-9, Apr 70
Role of contact and sound in eliciting filial responses

and development of social attachments in domestic guinea pigs. Harper LV.
J Comp Physiol Psychol 73:427-35, Dec 70
Cross-modal matching by young children. Milner AD, et al. J Comp Physiol Psychol 71:453-8, Jun 70
Tactile identification of letters: a comparison of deaf and hearing childrens' performances. Schiff W, et al. J Exp Child Psychol 11:150-64, Feb 71
Effect of correlated visual and tactual feedback on auditory pattern learning at different age levels. Wohlwill JF. J Exp Child Psychol 11:213-28, Apr 71
Haptic and visual perception of proportion. Appelle S, et al. J Exp Psychol 84:47-52, Apr 70
Plethysmographic and GSR responses to single versus double-simultaneous novel tactile stimuli. Gabriel M, et al. J Exp Psychol 85:368-73, Sep 70
Processing of tactual and visual point stimuli sequentially presented at high rates. Hill JW. J Exp Psychol 88:340-8, Jun 71
Unimodal and multimodal sequential information processing in normals and retardates. Holden EA Jr. J Exp Psychol 86:181-5, Nov 70
Asymmetrical transfer of form discrimination across sensory modalities in human adults. Lobb H. J Exp Psychol 86:350-4, Dec 70
Response properties of a sensory hair excised from Venus's flytrap. Benolken RM, et al. J Gen Physiol 56:64-82, Jul 70
A symposium on alternation of response. IV. Other sensory accomplishments. Nelson TM, et al. J Gen Psychol 84:117-32, Jan 71
Servo action and stretch reflex in human muscle and its apparent dependence on peripheral sensation. Marsden CD, et al. J Physiol (Lond) 216:21P-22P, Jul 71
The tactile sense of the tentacles of the common slug, Arion ater L. Wallis DI, et al. J Physiol (Lond) 213:8P, Mar 71
Oral stereognosis in dentulous and edentulous subjects. Litvak H, et al. J Prosthet Dent 25:139-51, Feb 71
Detection of vibrotactile signals differing in probability of occurrence. Gescheider GA, et al. J Psychol 78:253-60, Jul 71
Effect of stimulus presentation on free recall of reflective and impulsive Mexican-American children. Mallory SA. J Psychol 76:193-8, Nov 70
Correlates of the desire to be held in women. Hollender MH, et al. J Psychosom Res 14:387-90, Dec 70
Articulation and stress-juncture production under oral anesthetization and masking. Gammon SA, et al. J Speech Hear Res 14:271-82, Jun 71
Alterations in sweat response in skin lesions of leprosy. A dermometric study. Furness MA. Lepr Rev 41:169-74, Jul 70
Cutaneous sensation reconsidered. Quilliam TA. Med Biol Illus 21:183-7, Jul 71
Preliminary observations on tickling oneself. Weiskrantz L, et al. Nature (Lond) 230:598-9, 30 Apr 71
Paralexia for braille following right parietal lesion. Meckler RJ, et al. Neurology (Minneap) 20:378, Apr 70
Tactile extinction in neurologic patients as a general process. Schwartz AS, et al. Neurology (Minneap) 20:406, Apr 70
Transient cerebral cortical ischemia in the cat. Wright RR. Neurology (Minneap) 20:410, Apr 70
The psychological significance of touch. Dominian J. Nurs Times 67:896-8, 22 Jul 71
Choice for shape vs textural matching by young children. Abravanel E. Percept Mot Skills 31:527-33, Oct 70
Intersensory integration of selected spatial dimensions: extension to an adult sample. Abravanel E. Percept Mot Skills 32:479-84, Apr 71
Spatial and temporal interaction in tactile adaptation. Carmon A, et al. Percept Mot Skills 32:427-33, Apr 71
Visual-tactual dominance relationship as a function of accuracy of tactual judgment. Derrick E, et al. Percept Mot Skills 31:935-9, Dec 70
Tactual and visual concept identification. Fishkin SM, et al. Percept Mot Skills 31:715-23, Dec 70
Effect of selected form attachment devices on oral stereognosis scores. La Pointe LL, et al. Percept Mot Skills 32:469-70, Apr 71
Two-point discrimination: asymmetry in spatial discrimination on the two sides of the tongue, a preliminary report. McCall GN, et al. Percept Mot Skills 32:368-70, Apr 71
Tactile-visual perception and cross-modal transfer. Schneiderman DZ. Percept Mot Skills 32:159-62, Feb 71
Improving prediction of brain damage with the tactile performance test for a psychiatric population. Strain GS, et al. Percept Mot Skills 30:143-6, Feb 70
Intra-oral recognition of geometric forms by normal subjects. Williams WN, et al. Percept Mot Skills 32:419-26, Apr 71
Correlations between oral form recognition and lingual touch sensitivity. Williams WN, et al. Percept Mot Skills 32:840-2, Jun 71
"Touch power" and the screen of loneliness. Dethomaso MT. Perspect Psychiatr Care 9:112-8, 1971
The localization of non-tactile thermal sensations. Simmel ML, et al. Psychophysiology 5:415-25, Jan 69
Vibrotactile learning and the locus dimension. Diespecker DD. Q J Exp Psychol 22:574-82, Nov 70
On spatial summatin in the tactual sense. A psychophysical and neurophysiological study. Franzén O. Scand J Psychol 10:193-208, 1969
The dependence of vibrotactile threshold and magnitude functions on stimulation frequency and signal level. A perceptual and neural comparison. Franzén O. Scand J Psychol 10:289-98, 1969
Shock-elicited pain and its reduction by concurrent tactile stimulation. Higgens JD, et al. Science 172:866-7, 21 May 71
Relation of fiber size in trigeminal posterior root to conduction of impulses for pain and touch; production of analgesia without anesthesia in the effective treatment of trigeminal neuralgia. Sweet WH, et al. Trans Am Neurol Assoc 95:134-9, 1970
Vision substitution by tactile image projection. Bach-y-Rita P, et al. Trans Pac Coast Otoophthalmol Soc 50:83-91, 1969 (3 ref.)
Variability and differences in the structure of digital tactile corpuscles of Cercopithecus aetiops. Grzycki S. Z Mikrosk Anat Forsch 82:29-41, 1970
[Astereognosia during Listeria meningitis in an adult with a deceptive onset evoking a cerebromeningeal hemorrhage] Camelot J, et al. J Sci Med Lille 89:159-61, Apr 71 (Fre)
[Remarks on th 1stschool acquisitions of the blind child] Caillon N, et al. Rev Neuropsychiatr Infant 19:41-8, Jan-Feb 71 (Fre)
[Visual-motor and tactile-motor cross-modal transfer] Perret E, et al. Z Exp Angew Psychol 17:414-22, 1970 (Ger)
[Patterns of impaired tactile sensitivity in unilateral cerebral disease: re-examination of Head's theory] Carmon A, et al. Harefuah 77:287-9, 1 Oct 69 (Heb)
[Inter-modal learning in paranoid schizophrenics] Liggio F. Acta Neurol (Napoli) 25:382-91, May-Jun 70 (Ita)
[Changes in the activity of tactile receptors under sympathetic influences] Dmitrieva TM, et al. Biull Eksp Biol Med 67:3-7, Jun 69 (Rus)
[The mechanism of reciprocal interaction between cutaneous touch receptors] Esakov AI, et al. Biull Eksp Biol Med 65:3-7, Apr 68 (Rus)
[Apparatus for studying the probability characteristics of human sense organs] Vladimirskif MS. Nov Med Priborostr 3:78-81, 1970 (Rus)
[Dynamics of evoked potentials in human EEG in response to tactile stimuli, and their combination with sound] Raeva SN. Zh Vyssh Nerv Deiat 16:67-75, Jan-Feb 66 (Rus)
[The phasic character of cortical neuron reactions and its functional significance for the transmission of excitation in afferent systems] Vasilevskif NN, et al. Zh Vyssh Nerv Deiat 20:621-7, Jul-Aug 70 (Rus)

TOURNIQUETS (E2, E4)

Effect of tourniquet on total lactate dehydrogenase (LDH) activity and isozyme pattern of rat serum. Selmeci L, et al. Acta Physiol Acad Sci Hung 38:125-34, 1970
Protection against burn, tourniquet and endotoxin shock by histamine, 5-hydroxytryptamine and 5-hydroxytryptamine derivatives. Markley K, et al. Br J Pharmacol 42:13-24, May 71
Arterial sling tourniquet: new method of clamping vessels. Dunn DC. Br Med J 1:283-4, 30 Jan 71
Hemorrhoidectomy in the office: method and precautions. Rudd WW. Dis Colon Rectum 13:438-40, Nov-Dec 70
Tourniquet and episiotomy pain as test models for aspirin-like analgesics. Bloomfield SS, et al. J Clin Pharmacol 10:361-9, Nov-Dec 70
Conduction block after a pneumatic tourniquet. Danta G, et al. J Physiol (Lond) 215:50P-52P, May 71
Vincristine and alopecia. Nelson L, et al. N Engl J Med 284:336, 11 Feb 71
Scalp tourniquet to lessen alopecia after vincristine. O'Brien R, et al. N Engl J Med 283:1469, 24 Dec 70
Cause and prevention of tourniquet ooze. Furlow LT Jr. Surg Gynecol Obstet 132:1069-72, Jun 71
[Controlled hemostasis in prostatectomy. Tourniquet technic] Juvara E. Bull Mem Soc Chir Paris 66:203-8, 1970 (Fre)

ADVERSE EFFECTS

Toe tourniquet syndrome. Quinn NJ Jr. Pediatrics 48:145-6, Jul 71
[The proteinase inhibitor trasylol as therapeutic principle in the tourniquet syndrome] Eigler FW, et al. Bull Soc Int Chir 29:197-203, Jul-Aug 70 (Ger)
[Animal experiment studies on the essential role of kinins in tourniquet shock of the rat] Eigler FW, et al. Med Welt 22:1186-7, 24 Jul 71 (Ger)
[Treatment of experimental tourniquet shock] Danovich FM, et al. Klin Khir 4:72-5, Apr 70 (Rus)

INSTRUMENTATION

A safety valve for the pneumatic tourniquet. Faulconer A, et al. Anesth Analg (Cleve) 49:575-6, Jul-Aug 70

TOWN PLANNING see CITY PLANNING (I)

TOXASCARIASIS see under ASCARIASIS (C1)

TOXEMIA (C1)

see also related
PREGNANCY TOXEMIAS (C6)

[The possibility of passage of specific antigens through the blood-brain and blood-eye barrier in plague intoxication] Mokhin KM, et al. Biull Eksp Biol Med 67:45-7, Jun 69 (Rus)
[The effect of thyroidectomy on the resistance of adult rats to Escherichia coli endotoxin and staphylococcal exotoxin] Belokrylov GA. Zh Mikrobiol Epidemiol Immunobiol 47:72-4, Aug 70 (Rus)
[The toxic effects of disintegration products of enteropathogenic Escherichia coli O-124 on white mice] Voronets NP, et al. Zh Mikrobiol Epidemiol Immunobiol 47:129, Jun 70 (Rus)

COMPLICATIONS

Reye's syndrome. Possible causes and pathogenetic pathways. Bradford WD, et al. Clin Pediatr (Phila) 10:148-53, Mar 71 (28 ref.)

DIAGNOSIS

[Clinical findings and prognosis of neurotoxic diseases in infants and pre-school children] Vogtmann C, et al. Kinderaerztl Prax 37:383-90, Sep 69 (Ger)

DRUG THERAPY

[Clinical treatment of hyperpyretic toxicosis with THAM] Kellner R, et al. Kinderaerztl Prax 37:59-65, Feb 69 (Ger)
[Metabolic treatment of acute hyperpyretic toxicosis] Iancovici F, et al. Monatsschr Kinderheilkd 118:447-50, Jul 70 (Ger)

ETIOLOGY

[Toxemic form of schistosomiasis mansoni in the State of Guanabara] Neves PF, et al. Hospital (Rio de J) 78:979-88, Oct 70 (Por)
[Epidemic toxico-septic syndrome of mixed colibacillary origin in a premature infant department] Oană C, et al. Rev Med Chir Soc Med Nat Iasi 74:681-6, Jul-Sep 70 (Rum)
[The role of autointoxication in the genesis of hepato-renal insufficiency in thermal burns] Koriakin IK, et al. Biull Eksp Biol Med 65:38-41, May 68 (Rus)

PHYSIOPATHOLOGY

Host defense against bacterial endotoxemia: mechanism in normal animals. Skarnes RC. J Exp Med 132:300-16, 1 Aug 70

VETERINARY

[Some unusual properties of beta-hemolytic E. coli strains, isolated from pigs dying from coli enterotoxemia] Abadjieff W. Arch Exp Veterinaermed 24:205-11, 1970 (Ger)

TOXICOLOGY (G1)

see also related
POISONS (D13)

Innovations in occupational health: toxicological evaluation of industrial chemicals. Eckardt RE. Am J Public Health 60:2011-5, Oct 70
The experimental toxicologist and the occupational physician. Smyth HF Jr. Arch Environ Health 22:287-92, Feb 71
Pharmacology and toxicology of ophthalmic drugs. Macri FJ. Arch Ophthalmol 84:532-45, Oct 70 (158 ref.)
The testing of new drugs. Br J Anaesth 42:911, Nov 70
The predictive value for man of toxicological tests of drugs in laboratory animals. Baker SB, et al. Br Med Bull 26:206-11, Sep 70 (11 ref.)
Possible hazards to man from the use of drugs in and on animals. Brander GC. Br Med Bull 26:217-21, Sep 70 (16 ref.)
An industrial view of current practice in predicting drug toxicity. Hanley T, et al. Br Med Bull 26:203-7, Sep 70 (19 ref.)
Testing drugs for teratogenicity and their effects on fertility. The present petition. Robson JM. Br Med Bull 26:212-6, Sep 70 (16 ref.)
Use of embryonic chick lens for screening potentially

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

toxic chemicals. Edwards A, et al.
Exp Eye Res 10:288-92, Oct 70
Aerospace toxicology. II. Toxicological evaluation of materials associated with spacecraft. Back KC.
Fed Proc 29:2006-9, Nov-Dec 70
Bacterial metabolism and toxicology.
Food Cosmet Toxicol 8:893-5, Dec 70
The place of enzyme assays in toxicology.
Food Cosmet Toxicol 8:584-5, Oct 70
Bacterial metabolism and toxicology.
Food Cosmet Toxicol 8:893-5, Dec 70
Pathological malpraxis.
Food Cosmet Toxicol 8:449-51, Aug 70
The significance of analytical toxicology in the treatment of poisoning. Hume AS, et al.
J Miss State Med Assoc 11:636-8, Dec 70
Absorption, metabolism and excretion of toxic substances. Kasik JE. J Occup Med 13:8-13, Jan 71
Assessments of toxicity of substances. Keplinger ML.
J Occup Med 13:2-7, Jan 71
Need for toxicology laboratories. Hofman WI.
N Engl J Med 283:1234-5, 26 Nov 70
Private toxicology laboratories. Teitelbaum DT.
N Engl J Med 284:338, 11 Feb 71
Toxicological evaluation of product safety. Giovacchini RP. Pediatr Clin North Am 17:845-52, Aug 70
Basic toxicology. Sunshine I.
Pharm Acta Helv 45:446-52, Jul 70
Micro-detection of alkaloids in toxicological analysis. Tewari SN. Pharmazie 26:163-6, Mar 71
A compilation of LD50 values in newborn and adult animals. Goldenthal EI.
Toxicol Appl Pharmacol 18:185-207, Jan 71
An exploration of joint toxic action. II. Equitoxic versus equivolume mixtures. Smyth HF Jr, et al.
Toxicol Appl Pharmacol 17:498-503, Sep 70
Aspects of genetically defined populations in toxicity testing. I. A comparative survey of populations obtained by different breeding systems and "mosaic populations". Cholnoky E, et al.
Z Versuchstierkd 11:296-311, 1969
[Experience gained at the Toxicologic Information Center in Prague] Filipová J.
Cas Lek Cesk 110:122-4, Feb 71 (Cse)
[Use of colored reactions nd fluorescence for the rapid detection of several psychotropic drugs in emergency hospital toxicology] Meunier J, et al.
Ann Biol Clin (Paris) 28:431-7, 1970 (Fre)
[Application of automatic data processing to establishing a toxicologic card file] Marchand M, et al.
Lille Med 16:604-6, Apr 71 (Fre)
[Identification and determination of volatile toxic substances in the blood and viscera by gas chromatography] Boiteau HL, et al.
Med Leg Domm Corpor (Paris) 4:133-40, Apr-Jun 71 (Fre)
[Recommendations for testing and evaluation of drugs as to carcinogenicity] Schramm T, et al.
Arch Geschwulstforsch 37:53-65, 1971 (28 ref.) (Ger)
[Literature survey] Schlosser L.
Arch Toxikol 28:311-76, 1970 (Ger)
[Organization and development of a toxicological chemical analytical system in the German Democratic Republic] Müller RK, et al.
Dtsch Gesundheitsw 25:1373-5, 16 Jul 70 (Ger)
[Gas chromatography in the toxicologic analysis. Amelioration of selectivity and sensitivity by insertion of multiple detectors] Brandenberger H.
Pharm Acta Helv 45:394-413, Jul 70 (Ger)
[Simple chemical-toxicologic emergency analysis for hospital laboratories] Rudin O, et al.
Pharm Acta Helv 45:441-5, Jul 70 (Ger)
[Problems of drug testing] Zbinden G.
Praxis 59:1019-20, 14 Jul 70 (Ger)
[Are there limits of tolerance for absorption of toxic substances?] Cavagna G.
Med Lav 61:137-40, Mar 70 (Ita)
[Generic indetermined chemico-toxicologic research. Value of its findings in order to eliminate suspicion of poisoning] Marozzi E.
Zacchia 5:345-79, Jul-Sep 69 (Ita)
[The basic methodological approaches to testing the teratogenic activity of chemical substances] Dyban AP, et al.
Arkh Anat Gistol Embriol 59:89-100, 1970 (Rus)
[Some problems of carrying out and organizing toxicological studies in Switzerland] Buryf VS, et al.
Gig Sanit 36:76-9, 1971 (Rus)
[Comparative sensitivity of man and animals to the effects of various substances according to indices of acute toxicity] Krasovskif GN, et al.
Gig Sanit 35:29-34, Apr 70 (Rus)
[Methods for studying the cumulative properties of toxic substraces] Krasovskif GN, et al.
Gig Sanit 35:33-8, Mar 70 (Rus)
[Toxicology at its current stage of development] Sanotskif IV. Gig Tr Prof Zabol 14:43-5, Apr 70 (Rus)
[Determination of metallic poisons by a fractionation method (basic aspects)] Krylova AN.
Sud Med Ekspert 13:33-40, Apr-Jun 70 (Rus)
[Experimental design of hygienic studies on the effect of chemical compounds on the reproductive function of animals] Shtenberg AI, et al.
Vestn Akad Med Nauk SSSR 25:65-72, 1970 (Rus)

EDUCATION

Editorial. Hayes WJ Jr.
Toxicol Appl Pharmacol 19:i-ii, May 71

HISTORY

[Prof. Franz Borbély's 70th birthday] (Borbély F), Bruman I.
Schweiz Med Wochenschr 100:1252-3, 11 Jul 70 (Ger)

INSTRUMENTATION

[An apparatus for measuring muscular strength in albino mice] Lis MB. Gig Sanit 35:59-61, Jun 70 (Rus)

TOXIFERINE (D2, D5)

[Appraisal of the delay of postoperative decurarization: remarks on the use of diallylnortoxiferine] Berling C.
Agressologie 11:449-69, 1970 (Fre)
[Clinical experiences with diallyl-nortoxiferine in halothane anesthesia and neuroleptoanalgesia] Kalff G. Anaesthesist 19:176-81, May 70 (Ger)
[A new curarizing drug, Aloferine, in surgery] Naida Felipe MA, et al.
Rev Esp Anestesiol Reanim 17:268-88, Apr 70 (Spa)
[Comparative study of curarizing drugs alyl-N-toxiferine (Aloferin) and d-tubocurarine] Vela Díaz R, et al.
Rev Esp Anestesiol Reanim 18:193-203, Apr 71 (Spa)
[Preliminary report on the use of diallyl-bis-nortoxipherine (alloferine) as a muscle relaxing agent] Vela Díaz R, et al.
Rev Esp Anestesiol Reanim 17:740-50, Oct 70 (Spa)

ADMINISTRATION & DOSAGE

Sensitivity to tubocurarine and alcuronium with special reference to plasma protein pattern. Stovner J, et al.
Br J Anaesth 43:385-91, Apr 71
[A new combination for anesthesia in current general surgery] Aubrée Y, et al.
Anesth Analg (Paris) 27:995-1006, Nov-Dec 70 (Fre)

ADVERSE EFFECTS

Arterial hypotension caused by a combination of raised intrathoracic pressure and certain muscle relaxants. Preliminary communication. Dye DJ.
Br J Anaesth 42:1135-8, Dec 70

METABOLISM

[Introductory study of diallyl-nor-toxiferine accumulation capacity] Giomarelli P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1118-24, 1968 (Ita)

PHARMACODYNAMICS

Sensitivity to tubocurarine and alcuronium with special reference to plasma protein pattern. Stovner J, et al.
Anaesthesia 26:92, Jan 71
[Respiratory depression and muscle relaxation caused by diallyl-nor-toxiferine] Giomarelli P, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1125-33, 1968 (Ita)
[Study of muscle relaxants using evoked electromyography. 2. Characteristic patterns of recovery curve with M-response during effective period of muscle relaxants] Suzuki H, et al.
Jap J Anesthesiol 19:1455-62, Dec 70 (Jap)
[Our experience on the use of the new muscle relaxant diallyl-2-nortoxiferine, Alloferin] García Peria JL.
Rev Esp Anestesiol Reanim 18:93-6, Jan 71 (Spa)

TOXINS (D12)

see also related
MYCOTOXINS (D13)

Susceptibility of mink to Clostridium botulinum type C toxin. Yndestad M, et al. Acta Vet Scand 11:594-9, 1970
Toxins from fish and other marine organisms. Scheuer PJ. Adv Food Res 18:141-61, 1970 (47 ref.)
Clostridium perfringens food poisoning. Nakamura M, et al. Annu Rev Microbiol 24:359-72, 1970 (206 ref.)
Uremic toxins. Balestri PL, et al.
Arch Intern Med 126:843-5, Nov 70
A perspective on uremic toxins. Black DA.
Arch Intern Med 126:906-9, Nov 70
A humoral inhibitor of sodium transport in uremic serum. A potential toxin? Bricker NS, et al.
Arch Intern Med 126:860-4, Nov 70
The red blood cell as a model for the study of uremic toxins. Smith EK, et al.
Arch Intern Med 126:827-30, Nov 70
Characterization and chemical modifications of toxins isolated from the venoms of the sea snake, Laticauda semifasciata, from Philippines. Tu AT, et al.
Biochemistry 10:1295-304, 13 Apr 71
Lipid monolayers. Interactions with staphylococcal alpha-toxin. Buckelew AR Jr, et al.
Biochim Biophys Acta 233:7-16, 9 Mar 71
Studies on the status of tyrosyl residues in cobrotoxin. Chang CC, et al.
Biochim Biophys Acta 236:164-73, 27 Apr 71
Mechanism of inhibition of spinach beta-cystathionase by rhizobitoxine. Giovanelli J, et al.
Biochim Biophys Acta 227:671-84, 10 Mar 71
The role of sulfhydryl groups in the activity of type A botulinum toxin. Knox J, et al.
Biochim Biophys Acta 214:350-4, 21 Aug 70
The properties and modification of tryptophan in a sea snake toxin, erabutoxin a. Seto A, et al.
Biochim Biophys Acta 214:483-9, 29 Sep 70
Toxic epidermal necrolysis produced by an extracellular product of Staphylococcus aureus. Arbuthnott JP, et al. Br J Dermatol 85:145-9, Aug 71
Erythemal activity of the cellular enteropathogenic factor of Clostridium perfringens type A. Hauschild AH. Can J Microbiol 16:651-4, Aug 70
Cumulative effect of repeated doses of Clostridium botulinum toxin in mice and mink. Loftsgård G, et al.
Can Vet J 11:227-31, Nov 70
The conformation of small proteins. The state-diagram of a neurotoxin of Androctonus Australis Hector. Chicheportiche R, et al.
Eur J Biochem 14:549-55, Jul 70
X-ray crystallographic study of the erabutoxins and of a diiodo derivative. Low BW, et al.
J Biol Chem 246:4366-8, 10 Jul 71
Purification and chemical studies of a toxin from the venom of Lapemis hardwickii (Hardwick's sea snake). Tu AT, et al. J Biol Chem 246:2772-9, 10 May 71
Studies on cholera toxin and antitoxin. Ungar J, et al.
J Gen Microbiol 64:1-10, Nov 70
Conversion of cholera exo-enterotoxin (choleragen) to natural toxoid (choleragenoid). Finkelstein RA, et al.
J Immunol 106:868-71, Mar 71
The binding of botulinum toxin to membrane lipids: phospholipids and proteolipid. Simpson LL, et al.
J Neurochem 18:1761-7, Sep 71
Effect of diets of different protein values on the development of osteolathyrism in rats given beta-aminopropionitrile. Morcos SR.
J Nutr 100:1165-72, Oct 70
The effects in the mouse of nerve crush and regneration on the innervation of skeletal muscles paralysed by Clostridium botulinum toxin. Duchen LW. J Pathol 102:9-14, Sep 70
The mode of binding of sugars to ricin protein. Nanno S, et al. Jap J Med Sci Biol 24:39-42, Feb 71
Lymphocytotoxins. Lancet 2:1169-70, 5 Dec 70
Model for the action of tetrodotoxin and batrachotoxin. Smythies JR, et al.
Nature (Lond) 231:188-90, 21 May 71
Biological roles of the two components of crotoxin. Hendon RA, et al.
Proc Natl Acad Sci USA 68:1560-3, Jul 71
Further studies on the cholera toxin and antitoxin. Ungar J, et al. Progr Immunobiol Stand 4:583-9, 1970
Bacteriophage and the toxigenicity of Clostridium botulinum type C. Eklund MW, et al.
Science 172:480-2, 30 Apr 71
Restoring bacterial toxigenicity. Lederberg J.
Science 173:104-5, 9 Jul 71
Blastoid transformation of lymphocytes by staphylococcal aggressin. Fumaroia D.
Z Immunitaetsforsch Allerg Klin Immunol 140:313-6, 1970
Another type of Clostridium botulinum. Giménez DF, et al. Zentralbl Bakteriol [Orig] 215:221-4, 1970
Studies on strain 84 of Clostridium botulinum. Giménez DF, et al. Zentralbl Bakteriol [Orig] 215:212-20, 1970
[Radiotoxins and their part in pathogenesis of radiation sickness] Kočmierska-Grodzka D.
Radiobiol Radiother (Berl) 11:265-76, 1970 (Ger)
[Effects of "Trachinus" toxins: contribution to the resuscitation in nonfood poisoning in the sea environment] Serra GC, et al.
Acta Anaesthesiol (Padova) 20:575-94, May-Jun 69 (Ita)
[Inactivation of mice plague toxin by the liver and leukocytes of white rats] Avrorov VP, et al.
Biull Eksp Biol Med 70:27-8, Sep 70 (Rus)
[Sensitivity of various tissue cultures to the action of Cl. sordellii toxin] Shamraeva SA.
Biull Eksp Biol Med 68:84-5, Jun 69 (Rus)
[Effect of aqueous saline extracts of mouse tissues on previously irradiated hereditary structures] Kerkis Iuia, et al.
Dokl Akad Nauk SSSR 186:195-7, May-Jun 69 (Rus)
[Crystal-forming bacilli from Galleria mellonella L] Shvetsova OI, et al.
Mikrobiologiia 38:903-8, Sep-Oct 69 (Rus)
[significance of the toxic effect of irradiated media on the post-radiation death of cells. 1. Experiments on Amoeba proteus] Bychkovskaia IB, et al.
Radiobiologiia 11:235-8, Mar-Apr 71 (Rus)
[Effect of radiotoxins on the catalytic and allosteroid properties of phosphofructokinase] Ermekova VM, et al. Radiobiologiia 11:128-30, Jan-Feb 71 (Rus)
[Study of radiotoxins during the chronic administration of strontium-90] Vatulina GG.
Radiobiologiia 10:840-3, Nov-Dec 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Study of scarlatina toxin and streptococcal proteinase preparations by intradermal administration to rabbits] Akimova VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:30-4, Nov 70 (Rus)

[Immunogenic and antigenic characteristics of purified concentrated sorbed Cl. oedamatiens toxoids, obtained from concentrated toxins] Artemenko VD, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:94-8, May 71 (Rus)

[The effect of thyroidectomy on the resistance of adult rats to Escherichia coli endotoxin and staphylococcal exotoxin] Belokryiov GA.
Zh Mikrobiol Epidemiol Immunobiol 47:72-4, Aug 70 (Rus)

[Morphologic and some histochemical changes in the organism of immune guinea pigs during intramuscular injection of Cl. sordelli toxin] Ermakova MP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:105-9, Apr 71 (Rus)

[Isolation and some properties of Bacillus cereus toxin] Ezepchuk IuV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:124-31, Jun 71 (Rus)

[The specificity of anthrax toxin obtained in vitro] Fedotova IuM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:111-3, Mar 70 (Rus)

[Characteristics of E. coli neurotoxin] Kamzolkina NB, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:5-8, Jun 71 (Rus)

[Infectious allergy. XII. Dissociation of a neutral complex of diphtheria exotoxin and antitoxin in sensitized animals] Kravchenko AT, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:54-8, Jun 70 (Rus)

[Infectious allergy. 13. Role of delayed-type hypersensitivity in the development of infectious allergy to bacterial exotoxins] Kravchenko AT, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:98-103, Feb 71 (Rus)

[Demonstration of antibodies to staphylococcal toxin using the passive hemagglutination test with stable erythrocytes] Prozorovskaia KN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:52-5, Dec 70 (Rus)

[Role of toxins of several saprophytic microbes in the etiology of experimental neuroparalytic diseases] Reznik SR, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:81-6, Apr 70 (Rus)

[Study of the sensitizing properties of staphylococcal delta-toxin] Rusakova EV.
Zh Mikrobiol Epidemiol Immunobiol 47:77-81, Apr 70 (Rus)

[Ichthyosarcotoxism. A medical and health risk from marine fauna] Mira Gutiérrez J.
Rev Sanid Hig Publica (Madr) 44:447-515, Apr 70 (181 ref.) (Spa)

[Effect of calcium hypochlorite on Clostridium botulinum type C toxin] Radosavijević MK, et al.
Vojnosanit Pregl 27:274-6, Jun 70 (Cro)

ADMINISTRATION & DOSAGE

Immunization of feedlot lambs with enterotoxemia toxoid and bacterin. Pierson RE.
J Am Vet Med Assoc 152:380-1, 15 Feb 68

[Sensitivity of mice to Cl. oedematiens toxin with different eans of administeringit] Vlasova EV.
Biull Eksp Biol Med 68:40-1, Aug 69 (Rus)

ANALYSIS

Method for estimating the presence of Clostridium perfringens in food. Harmon SM, et al.
Appl Microbiol 20:913-8, Dec 70

Protein toxins of Pasteurella pestis. Subunit composition and acid binding. Montie TC, et al.
Biochemistry 10:2094-100, 25 May 71

The nematocyst toxin of Metridium. Goodwin MH, et al.
Biol Bull 140:389-99, Jun 71

Observations on three species of jellyfishes from Chesapeake Bay with special reference to their toxins. I. Chrysaora (Dactylometra) quinquecirrha. Rice NE, et al. Biol Bull 139:180-7, Aug 70

Propetties and composition of the nematocyst toxin of the sea anemone, Aiptasiapallida. Blanquet R.
Comp Biochem Physiol 25:893-902, Jun 68

A partial characterization of the alpha-toxin of Clostridium oedematiens type B. Phillips AW, et al.
Eur J Biochem 14:367-71, Jun 70

Grayanotoxins. Occurrence and analysis in honey and a comparison of toxicities in mice. Scott PM, et al.
Food Cosmet Toxicol 9:179-84, Apr 71

Ultracentrifugal analysis of staphylococcal alpha toxin. Forlani L, et al. J Bacteriol 106:138-42, Apr 71

The detection of abrin. Clarke EG, et al.
J Forensic Sci Soc 11:109-12, Apr 71

Botulinal toxin and toxoid as antigens. Heimach RC, et al. Proc Soc Exp Biol Med 135:151-4, Oct 70

Palytoxin: a new marine toxin from a coelenterate. Moore RE, et al. Science 172:495-8, 30 Apr 71

Crystal and molecular structure of grayanotoxin-I, C22H36O7. Narayanan P, et al.
Tetrahedron Lett 45:3943-4, Sep 70

A study of the occurrence of anabaseine in Paranemeries and other nemertines. Kem WR.
Toxicon 9:23-32, Jan 71

Are neurotoxins from elapid venoms glycoproteins? Lin SY, et al. Toxicon 9:295-6, Jul 71

Incidence of ciguatera in barracuda from the west coast of Florida. Morton RA, et al. Toxicon 8:317-8, Nov 70

Phospholipase in the nematocyst toxin of Physalia physalis. Stillway LW, et al. Toxicon 9:193-5, Jul 71

Octopus neurotoxins: low molecular weight non-immunogenic toxins present in the saliva of the blue-ringed octopus. Sutherland SK, et al.
Toxicon 8:249-50, Sep 70

[Staphylococcal toxins and their identification in microbiological practice] Lochmann O, et al.
Cesk Epidemiol Mikrobiol Imunol 20:48-52, Jan 71 (Cze)

[Lipase activity of staphylococcus toxin preparations] Novák E, et al. Cesk Fysiol 19:264-6, Dec 70 (Cze)

[The differentiation of clostridia. 6. Differentiation of Cl. septicum and Cl. chauvoei] al-Khatib G.
Arch Exp Veterinaermed 23:963-70, Nov 69 (Ger)

[Quantitative determination of the intensity of fluorescence by means of the Universal microspectrophotometer I in fluorescence serological studies of the location of nephrotoxin in rat kidneys] Schlipköter HW, et al.
Z Med Mikrobiol Immunol 156:107-14, 1970 (Ger)

[Presence of radiotoxins in the milk of cows with chronic radiation sickness] Sypin VD, et al.
Radiobiologiia 11:230-4, Mar-Apr 71 (Rus)

[Antigenic structure of Cl. botulinum types E and F] Bulatova TI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:28-32, Apr 70 (Rus)

[The effects of cholerogen and isolated cellular components of V. cholerae] Zykin LF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:36-43, Sep 70 (Rus)

[Comparison of the virulence factors in freshly isolated and museum strains of bacillus pyocyaneus] Feshchenko LG.
Mikrobiol Zh 31:644-7, Nov-Dec 69 (Ukr)

[Electrophoretic study of the Escherichia coli exotoxin] Smirnova VI, et al.
Mikrobiol Zh 32:460-2, May-Jun 70 (Ukr)

[The leukotoxin of Clostridium tetani] Sytnik IA.
Mikrobiol Zh 32:53-7, Jan-Feb 70 (Ukr)

ANTAGONISTS & INHIBITORS

Antagonism of terramycin on action of Bacillus thuringiensis 'exotoxin' in Drosophila melanogaster. Benz G, et al. Experientia 27:73-5, 15 Jan 71

Anaphylatoxin inactivator of human plasma: its isolation and characterization as a carboxypeptidase. Bokisch VA, et al. J Clin Invest 49:2427-36, Dec 70

[A study of the influence of proteolytic enzymes on various types of Clostridium botulinum toxin] Tanaka H. Jap J Hyg 25:299-309, Aug 70 (Jap)

[Effect of antibiotics on the formation of toxin of Cl. perfringens type A] Vlasenko AP, et al.
Antibiotiki 15:790-3, Sep 70 (Rus)

[Effect of ethonium on staphylococcal toxin in experiments in vitro] Kucher VI.
Farmakol Toksikol 34:348-50, May-Jun 71 (Rus)

BIOSYNTHESIS

Toxic fractions obtained from tumor isolates and related clinical implications. Wolter GH, et al.
Ann NY Acad Sci 174:675-89, 30 Oct 70

Medium for toxin production by Clostridium perfringens in continuous culture. Chou G.
Appl Microbiol 21:794-8, May 71

Biosynthetic pattern of murine toxins in Pasteurella pestis cells and extracts. Leon SA.
Biochim Biophys Acta 228:387-99, 28 Jan 71

Biosynthesis of -cyanoalanine in Vicia sativa. Nigam SN, et al. Can J Biochem 49:799-801, Jul 71

Symposium on microbial changes in foods. Factors affecting the production of bacterial food poisoning toxins. Baird-Parker AC.
J Appl Bacteriol 34:181-97, Mar 71

Effect of peptidic groups isolated from enzymic casein hydrolysate on growth and toxinogenesis of Clostridium welchii (perfringens). Nekvasilová K, et al. J Gen Microbiol 62:3-16, Jul 70

Vibrio cholerae: production of toxin by a nonpathogenic strain. Blachman U, et al.
J Infect Dis 122:540-3, Dec 70

[Toxins of the entomophagous fungus Beauveria bassiana. II. Effect of nitrogen sources on formation of the toxic protease in submerged culture. Kučera M.
J Invertebr Pathol 17:211-5, Mar 71

Phage-conversion of toxigenicity in Clostridium botulinum types C and D. Inoue K, et al.
Jap J Med Sci Biol 24:53-6, Feb 71

Lymphocytotoxins. Grifoni V, et al.
Lancet 1:293, 6 Feb 71

Tissue injury in lymphocytic choriomeningitis viral infection: virus-induced immunologically specific release of a cytotoxic factor from immune lymphoid cells. Oldstone MB, et al. Virology 42:865-13, Dec 70

Metabolic and toxigenic activity of Staphylococcus aureus strains isolated from blood and from healthy carriers. A comparative study. Zak C, et al.
Zentralbl Bakteriol [Orig] 204:203-11, 1967

[Selection of strongly toxigenic Corynebacterium diphtheriae mutants] Germanier R.
Pathol Microbiol (Basel) 36:286-7, 1970 (Ger)

[Production of lysozyme and toxins of staphylococcal strains from animals] Husseis H, et al.
Zentralbl Bakteriol [Orig] 214:263-6, 1970 (Ger)

[Studies on the production of staphylococcal alpha toxin. II. pH culture and growth density in the process of toxin production in the presence of CO2, with the addition of sodium pyruvate] Ganczarski A, et al.
Med Dosw Mikrobiol 22:211-7, 1970 (Pol)

[The effect of actinomycin D on the cytotoxic activity of normal lymphocytes in tissue culture] Brondz BD.
Biull Eksp Biol Med 67:86-9, Jun 69 (Rus)

[Use of dry media for the diagnosis of diseases caused by Cl. oedematiens, Cl. septicum, cl. histolyticum, Cl. sordellii] Zemlianitskaia EP, et al.
Lab Delo 11:681-3, 1970 (Rus)

[Formation of toxins by Clostridium perfringens types C and D] Urguev KR. Veterinariia 6:98-9, Jun 70 (Rus)

[Multiplication and toxigenicity of Bacillus cereus in food products stored at different temperatures] Prokopova LL. Vopr Pitan 29:58-61, Sep-Oct 70 (Rus)

[Phage conversion of C. diphtheriae in vivo. I. Reproduction of phage conversion of diphtheria bacteria in chick embryos] Ezhova GG.
Zh Mikrobiol Epidemiol Immunobiol 47:65-8, Apr 70 (Rus)

[The submicroscopic structure of staphylococci during the process of toxinogenesis] Pavlova IB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:85-8, Mar 70 (Rus)

[Submicroscopic study of Cl. botulinum type B in the process of toxinogenesis] Pavlova IB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:109-12, Jul 70 (Rus)

[Changes in chemical composition of nutrient media during growth and toxin formation of Cl. botulinum type F] Perova EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:134-9, Apr 71 (Rus)

[Cl. botulinum type F toxin formation on non-meat nutrient media] Perova EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:46-51, Sep 70 (Rus)

[Formation and secretion of alpha-toxin by pathogenic staphylococci] Ratgaux GL.
Zh Mikrobiol Epidemiol Immunobiol 47:37-41, Oct 70 (Rus)

[The leukotoxin of clostridium botulinum] Sytnyk IO.
Mikrobiol Zh 31:633-7, Nov-Dec 69 (Ukr)

BLOOD

Experimental studies on the serum therapy of type E botulism: the relationship between the amount of toxin in the blood and the effect of antitoxic serum. Iida H, et al. Jap J Med Sci Biol 23:344-7, Oct 70

Serological specificity of type E botulinal toxin. Johnson HM, et al.
Proc Soc Exp Biol Med 137:973-6, Jul 71

[Toxicity of blood serum from children with burns] Atanasov A. Khirurgiia (Sofiia) 21:553-9, 1968 (Bul)

[Study of the effect of serum from patients with acute leukosis on leukocyte cultures from healthy persons and patients with acute leukosis] Pospelova RA.
Probl Gematol Pereliv Krovi 15:19-21, Jun 70 (Rus)

[Possible detection of toxin in the blood of patients with botulism using the passive hemagglutination test] Azarenok KS.
Zh Mikrobiol Epidemiol Immunobiol 47:112-4, Jul 70 (Rus)

CHEMICAL SYNTHESIS

Synthesis of a part of the molecule of B. thuringiensis exotoxin. Prystaš M, et al.
Tetrahedron Lett 47:4097-100, Oct 70

CLASSIFICATION

[Attempt at classification of toxic proteins extracted from snake venoms] Boquet P, et al.
C R Acad Sci [D] (Paris) 271:1456-9, 19 Oct 70 (Fre)

ISOLATION & PURIFICATION

Separation of viscotoxins from the European mistletoe, Viscum album L. (Loranthaceae) by chromatography on sulfoethyl Sephadex. Samuelsson G, et al.
Acta Chem Scand 24:2751-8, 1970

Identification and characterization of cholera exotoxin in culture filtrates of V. cholerae. Holmgren J, et al.
Acta Pathol Microbiol Scand [B] 79:448, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Isolation of toxotoxin as a large molecule or particle by a method called "ice-filtration". Pettersen EK. Acta Pathol Microbiol Scand [B] 78:869-72, 1970
Purification of Clostridium botulinum type A toxin. Dasgupta BR, et al. Biochim Biophys Acta 214:343-9, 21 Aug 70
Two toxins from a poisonous sample of mussels Mytilus edulis. Evans MH. Br J Pharmacol 40:847-65, Dec 70
Purification of the delta toxin os Staphylococcus aureus. Caird JD, et al. Can J Microbiol 16:703-8, Aug 70
Isolation of the principal neurotoxins of two Naja naja subspecies. Karlsson E, et al. Eur J Biochem 21:1-16, 15 Jul 71
Purification of animal neurotoxins. Isolation and characterization of eleven neurotoxins from the venoms of the scorpions Androctonus australis hector, Buthus occitanus tunetanus and Leiurus quinquestriatus quinquestriatus. Miranda F, et al. Eur J Biochem 16:514-23, Nov 70
Snake venom toxins. Purification and properties of three toxins from Naja nivea (Linnaeus) (Cape cobra) venom and the amino acid sequence of toxin delta. Botes DP, et al. J Biol Chem 246:3132-9, 25 May 71
Helminthosporoside, a host-specific toxin from Helminthosporium sacchari. Steiner GW, et al. J Biol Chem 246:4350-7, 10 Jul 71
Isolation of a water-soluble toxin from a commercial microbial insecticide based on Bacillus thuringiensis. Fast PG. J Invertebr Pathol 17:301, Mar 71
Cytotoxic factor from peritoneal cells: purification and characteristics. Sintek DE, et al. J Reticuloendothel Soc 8:508-21, Dec 70
Toxic factors in pea haulm silage effluent--the factors toxic to fish. Clarke EG, et al. J Sci Food Agric 22:205-7, Apr 71
A feast for nephrophiles. Vaisrub S. JAMA 214:2048-9, 14 Dec 70
A toxic protein from insect pathogen Bacillus thuringiensis. Akune S, et al. Jap J Med Sci Biol 24:57-9, Feb 71
Isolation and chemical properties of various types of ricin. Funatsu G, et al. Jap J Med Sci Biol 23:342-4, Oct 70
The partial purification and some biological activities of histamine sensitizing factor from Bordetella pertussis. Homma R, et al. Jap J Med Sci Biol 23:377-81, Aug 70
Purification and some properties of kappa toxin of Clostridium perfringens. Kameyama S, et al. Jap J Med Sci Biol 24:9-23, Feb 71
Partial purification and some properties of the leukocytosis-promoting material from Bordetella pertussis. Sato Y, et al. Jap J Med Sci Biol 23:273-6, Aug 70
CIR (cell injuring reaction) active substances in culture fluid of Bacillus cereus "MS-1063 strain". Tanaka J, et al. Jap J Med Sci Biol 23:336-9, Oct 70
Characteristics of CIR (cell injuring reaction) active substance in culture fluid of Bacillus cereus, "MS-1063 strain". Tanaka J, et al. Jap J Med Sci Biol 24:77-81, Feb 71
Preparation of biologically active plague murine toxins labelled with 75Se-methionine. Leon SA, et al. Nature (Lond) 229:130-1, 8 Jan 71
Isolation and proof of structure of wildfire toxin. Stewart WW. Nature (Lond) 229:174-6, 15 Jan 71
Isolation and identification of xanthotoxin from the underground parts of Ruta graveolens. Haesen JP, et al. Planta Med 19:285-9, Feb 71
In vivo studies with a toxic fraction of Pseudomonas aeruginosa. Meinke G, et al. Proc Soc Exp Biol Med 135:360-3, Nov 70
Investigations into a hepatotoxin in lupin roughage. Petterson DS, et al. Res Vet Sci 11:282-5, May 70
Palytoxin: a new marine toxin from a coelenterate. Moore RE, et al. Science 172:495-8, 30 Apr 71
New A-nor-B-homo-(-)-kauranoids from Leucothoe grayana max. Okuno T, et al. Tetrahedron 26:4765-9, Oct 70
The structure of mezerein, a major toxic principle of Daphne mezereum L. Ronlán A, et al. Tetrahedron Lett 49:4261-4, Oct 70
Isolation and structure of a hoplonemertine toxin. Coates RM, et al. Toxicon 9:15-22, Jan 71
Further studies on the biochemistry of the toxins from the sea wasp Chironex fleckeri. Crone HD, et al. Toxicon 9:145-51, Apr 71
Studies on the active principle from Abrus precatorius L. leguminosae seed kernels. Lin JY, et al. Toxicon 9:97-101, Apr 71
[Structure of bufotoxine] Linde-Tempel HO. Helv Chim Acta 53:2188-96, 1970 (Ger)
[Preparation and evaluation of a standard botulinum A antitoxin and a botulinum A test toxin] Windler D, et al. Pharmazie 26:306-8, May 71 (Ger)
[The fractional composition of the toxins and anatoxins of Cl. oedematiens. I. Fractionation of the toxins and anatoxins by the gel filtration method] Kulak VG, et al. Zh Mikrobiol Epidemiol Immunobiol 47:112-5, Jun 70 (Rus)
[Isolation of purified Cl. oedematiens toxoids from concentrated toxins using casein nutrient media] Nenashev VP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:87-90, Jan 71 (Rus)
[Toxins and anatoxins of Clostridium perfringens] Cherkas GP, et al. Mikrobiol Zh 33:173-5, Mar-Apr 71 (Ukr)

METABOLISM

An extracellular product of Mycobacterium phlei. I. Production, recovery, and characterization. Savard EV, et al. Am Rev Resp Dis 103:524-30, Apr 71
The binding of botulinum toxin to membrane lipids: sphingolipids, steroids and fatty acids. Simpson LL, et al. J Neurochem 18:1751-9, Sep 71
Studies on the serum therapy of type E botulism: absorption of toxin from the gastrointestinal tract. Iida H, et al. Jap J Med Sci Biol 23:282-5, Aug 70
Distribution of I-131-labeled abrin in vivo. Lin JY, et al. Toxicon 8:197-201, Sep 70
Toxic lepidoptera. Rothschild M, et al. Toxicon 8:293-9, Nov 70

PHARMACODYNAMICS

An explanation of the biological action of toxotoxin based on some in vitro experiments. Pettersen EK. Acta Pathol Microbiol Scand [B] 79:33-6, 1971
An extracellular product of Mycobacterium phlei. II. Its effect on the mitochondrial NADH dehydrogenase and tetrazolium reductase systems. Savard EV, et al. Am Rev Resp Dis 103:531-8, Apr 71
Mechanism of action of botulinum toxin. Stern P, et al. Arch Int Pharmacodyn Ther 190:47-60, Mar 71
Uremic toxins and platelet function. Horowitz HI. Arch Intern Med 126:823-6, Nov 70
Evidence for an ordered arrangement in erythrocyte membranes. Remsen CC, et al. Biochem Biophys Res Commun 40:1297-304, 30 Sep 70
A fragment of the third component of human complement with anaphylatoxin activity. Budzko DB, et al. Biochemistry 10:1166-72, 30 Mar 71
The effect of adenine nucleotides and pH on the inhibition of oxidative phosphorylation by bongkrekic acid. Kemp A Jr, et al. Biochim Biophys Acta 223:460-2, 8 Dec 70
A cytotoxic factor in cholera toxin. Inwood J, et al. Br J Exp Pathol 51:597-603, Dec 70
Cardiovascular effects of toxins isolated from the cnidarian Chironex fleckeri Southcott. Freeman SE, et al. Br J Pharmacol 41:154-66, Jan 71
Effect of crystalline ricin on the biosynthesis of protein, RNA, and DNA in experimental tumor cells. Lin JY, et al. Cancer Res 31:921-4, Jul 71
Ganglionic and cardiac actions of batrachotoxin. Kayaalp SO, et al. Eur J Pharmacol 12:10-8, 1 Sep 70
Adjuvant activity of ricin as measured by Jerne's plaque technique. Koga T, et al. Experientia 27:323-4, 15 Mar 71
Potentiation of haemolysis by the combined action of phospholipase A and a basic peptide containing S-S-bonds (viscotoxin B). Lankisch PG, et al. Experientia 27:122-3, 15 Feb 71
Contraction of the guinea-pig ileum induced by anaphylatoxin independent of histamine release. Bodammer G, et al. Int Arch Allergy Appl Immunol 39:648-57, 1970
Effect of Prymnesium parvum toxin, cetyltrimethylammonium bromide and sodium dodecyl sulphate on bacteria. Ulitzur S, et al. J Gen Microbiol 62:363-70, Aug 70
Effects of batrachotoxin on membrane potential and conductance of squid giant axons. Narahashi T, et al. J Gen Physiol 58:54-70, Jul 71
Haemolytic activity of the alpha and theta toxins of Clostridium welchii. Schulze JA, et al. J Hyg (Camb) 67:163-74, Mar 69
Studies on the toxicity of Sarcocystis. Mandour AM. J Med Microbiol 2:361-3, Aug 69
Effects of staphylococcus alpha-toxin and streptolysin S on the oxidation of succinate by ascites tumour cells. Symington DA, et al. J Med Microbiol 2:495-505, 4 Nov 69
Effect of pH on the haemolysis of rabbit erythrocytes by staphylococcus alpha--toxin. Wright MR. J Med Microbiol 2:301-8, Aug 69
Effects of botulinum toxin on the distribution of succinate dehydrogenase and phosphorylase in fast and slow skeletal muscles of the mouse. Duchen LW. J Neurol Neurosurg Psychiatry 33:580-5, Oct 70
Cardiovascular actions of saxitoxin. Nagasawa J, et al. J Pharmacol Exp Ther 178:103-9, Jul 71
Cardiovascular effects of atelopidtoxin. Ranney BK, et al. J Pharmacol Exp Ther 175:538-76, Nov 70
Effects of nereistoxin and its derivatives on the spinal cord and motor nerve terminals. Chiba S, et al. Jap J Pharmacol 21:175-84, Apr 71
Neuromuscular blocking actions of nereistoxin and its derivatives and antagonism by sulfhydryl compounds. Nagawa Y, et al. Jap J Pharmacol 21:185-97, Apr 71
Effect of grayanotoxin 1 on the electrical properties of rat skeletal muscle fibers. Seyama I. Jap J Physiol 20:381-93, Aug 70
Inhibitory and uncoupling actions of extracts from Karwinskia humboldtiana on respiration and oxidative phosphorylation. Wheeler MH, et al. Life Sci [II] 10:41-51, 8 Jan 71
Cholera and prostaglandins. Bennett A. Nature (Lond) 231:536, 25 Jun 71
Isolation of the cholinergic receptor protein of Torpedo electric tissue. Miledi R, et al. Nature (Lond) 229:554-7, 19 Feb 71
Stimulation of intestinal adenyl cyclase by cholera toxin. Sharp GW, et al. Nature (Lond) 229:266-9, 22 Jan 71
Isolation of the cholinergic receptor protein. Nature (Lond) 229:523-4, 19 Feb 71
Effects of batrachotoxin on nerve membrane potential and conductances. Narahashi T, et al. Nature [New Biol] 229:221-2, 17 Feb 71
Some general rules governing fate and action of polypeptide and protein drugs, as derived from investigations with staphylococcal alpha-toxin, tetanus toxin, and so-calledd crotoxin. Habermann E. Naunyn Schmiedebergs Arch Pharmakol 269:124-35, 1971
Effects of staphylococcal alpha toxin on ion and water transports in isolated frog skin and bladder. Kadlec O, et al. Naunyn Schmiedebergs Arch Pharmakol 270:262-73, 1971
Insecticidal activity of microbial metabolites. Huang HT, et al. Progr Ind Microbiol 9:79-112, 1971 (157 ref.)
Batrachotoxin: chemistry and pharmacology. Albuquerque EX, et al. Science 172:995-1002, 4 Jun 71
Effects of rubratoxin B on liver composition and metabolism in the mouse. Hayes AW, et al. Toxicol Appl Pharmacol 17:481-93, Sep 70
Effect of ciguatoxin on sodium transport across the frog skin. Setliff JA, et al. Toxicol Appl Pharmacol 18:676-84, Mar 71
Effect of Chrysaora quinquecirrha (sea nettle) toxin on rat nerve and muscle. Burnett JW, et al. Toxicon 8:179-81, Aug 70
Some immunological aspects of sea nettle toxins. Burnett JW, et al. Toxicon 9:271-7, Jul 71
Toxic material from the tentacles of the cubomedusan Chironex fleckeri. Endean R, et al. Toxicon 9:255-64, Jul 71
A comparison of the biological effects of paralytic shellfish poisons from clam, mussel and dinoflagellate. Evans MH. Toxicon 9:139-44, Apr 71
Interactions of the echinoderm toxin holothurin A and its desulfated derivative with the cat superior cervical ganglion preparation. Friess SL, et al. Toxicon 8:211-9, Sep 70
Comparison of tentacle extracts from Chiropsalmus quadrigatus and Chironex fleckeri. Keen TE. Toxicon 9:249-54, Jul 71
The effect of crude holothurin on leucocyte phagocytosis. Lasley BJ, et al. Toxicon 8:301-6, Nov 70
Effect of staphylococcal alpha-toxin on mitochondrial Mg2+ (Na+, K+) activated adenosine triphosphatase. Novák E, et al. Toxicon 8:261-70, Nov 70
Effect of staphylococcal alpha-toxin on the phosphorylation of ADP by rat liver mitochondria. I. Inhibition of phosphorylation by a thermo-stable factor. Novák E, et al. Toxicon 9:211-8, Jul 71
Ultrastructural studies of the effects of malarial toxic factors on normal mouse tissues. Theakston RD, et al. Trans R Soc Trop Med Hyg 65:3-4, 1971
Ultrastructural changes in the motor nerve terminals caused by beta-bungarotoxin. Chen IL, et al. Virchows Arch [Zellpathol] 6:318-25, 1970
The pyrogenic effect of scarlet fever toxin. IV. Pyrogenicity of strain C 203 U filtrate: comparison with some basic characteristics of the known types of scarlet fever toxin. Schuh V, et al. Yale J Biol Med 43:31-42, Aug 70
Cardiac damage caused by two immunologically distinct components of C. septicum toxic complex. Bittner J, et al. Z Immunitaetsforsch Allerg Klin Immunol 140:317-25, Oct 70
[Action of alpha-staphylotoxin on transmembrane potential of the guinea pig ventricular myocardial fiber] Guida O, et al. Arch Int Pharmacodyn Ther 187:125-31, Sep 70 (Fre)
[Effects of perfringens toxin on phagocytosis and leukocyte viability] Mihancea N, et al. Arch Roum Pathol Exp Microbiol 29:159-67, Mar-Jun 70 (Fre)
[Effect of alpha-staphylotoxin on the guinea pig taenia coli by the sucrose gap method] Kadlec O, et al. J Physiol (Paris) 62:Suppl 3:392, 1970 (Fre)
[Effect of alpha staphylotoxin on rat mastocytes] Rafková H, et al. J Physiol (Paris) 1:Suppl 1:165-6, 1969 (Fre)
[Contraction of the guinea pig intestine and histamine liberation: 2 separate independent effects of anaphylotoxin] Bodammer G, et al. Naunyn Schmiedebergs Arch Pharmakol 266:297, 1970 (Ger)
[Effects of a new staphylococcal aggressin on the phagocytic activity of neutrophils] Cerra E, et al. Riv Emoter Immunoematol 16:133-47, 1969 (Ita)
[Inhibition of leukocyte migration by a staphylococcal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

aggressin] Fossati GC, et al.
Riv Emoter Immunoematol 16:119-27, 1969 (Ita)
[Cytolytic toxins] Tsubura E, et al.
Saishin Igaku 25:2507-15, Dec 70 (38 ref.) (Jap)
[Effect of biologically active substances isolated from the liver of irradiated rats on DNA synthesis in HeLa cells] Kalendo GS, et al.
Dokl Akad Nauk SSSR 184:715-8, 21 Jan 69 (Rus)
[Comparative study of the effect of radiotoxins and gamma rays on the transport of ions in sections of rat renal cortex] Kasymov A, et al.
Radiobiologiia 11:269-71, Mar-Apr 71 (Rus)
[The effect of microbial toxins on the permeability of the blood-tissue barrier] Glezerov VZ.
Zh Mikrobiol Epidemiol Immunobiol 47:43-6, Sep 70 (Rus)
[Effect of Grigor'ev-Shiga dysentery exotoxin on cellular culture] Kipenskaia GM.
Zh Mikrobiol Epidemiol Immunobiol 48:72-5, Jun 71 (Rus)
[Study of staphylococcal resistance to decametoxin and some antibiotics] Sidorchuk II, et al.
Mikrobiol Zh 32:610-4, Sep-Oct 70 (Ukr)
[Hemolytic and toxic activity of some vital products in microflora of trephination wounds] Strokatova NA, et al. Mikrobiol Zh 33:93-6, 1971 (Ukr)
[Effect of different doses of Bacillus subtilis 572 toxin on some immunological reactions and tumor growth in animals] Zatula DG, et al.
Mikrobiol Zh 33:201-5, Mar-Apr 71 (Ukr)

POISONING

[Ricin poisoning caused by chewing a castor bean] Kingma J.
Ned Tijdschr Geneeskd 115:1190-1, 10 Jul 71 (Dut)

SECRETION

Behaviour of toxin released from the cells of Clostridium botulinum type E. Kitamura M.
Biochem Biophys Res Commun 40:925-31, 24 Aug 70
Mechanisms of target cell destruction by alloimmune peritoneal macrophages. II. Release of a specific cytotoxin from interacting cells. McIvor KL, et al.
Immunology 20:315-22, Mar 71
Mechanism responsible for release of toxin by Metarrhizium spores in mosquito larvae. Crisan EV.
J Invertebr Pathol 17:260-4, Mar 71
[The dynamics of changes in the toxigenic and enzyme properties of pathogenic staphylococci in tissue cultures] Smol'skaia TT, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:91-5, Aug 70 (Rus)

THERAPEUTIC USE

End results in reticulum cell sarcoma of bone treated by bacterial toxin therapy alone or combined with surgery and-or radiotherapy (47 cases) or with concurrent infection (5 cases). Miller TR, et al.
Cancer 27:524-48, Mar 71

TOXICITY

An explanation of the biological action of toxotoxin based on some in vitro experiments. Pettersen EK.
Acta Pathol Microbiol Scand [B] 79:33-6, 1971
The effect of modifying the structure of rubratoxin B on the acute toxicity to mice. Rose HM, et al.
Biochem Pharmacol 19:612-5, Feb 70
Antagonism of terramycin on action of Bacillus thuringiensis 'exotoxin' in Drosophila melanogaster. Benz G, et al. Experientia 27:73-5, 15 Jan 71
Toxicity of the common puffer fish in Hong Kong. Yip LL, et al. Experientia 27:668-9, Jun 71
Lienotoxicity of Bordetella pertussis in mice. Iida T, et al. J Med Microbiol 4:51-61, Feb 71
Teratogenic action of aflatoxin B1, palmotoxin B0 and palmotoxin G0 on the chick embryo. Bassir O, et al.
J Pathol 102:49-51, Sep 70
Toxic factors in enzymes used in laundry products. Dubos R. Science 173:259-60, 16 Jul 71
The toxicity of Florida Gulf puffers, genus Sphoeroides. Burklew MA, et al.
Toxicon 9:205-10, Jul 71
Effects of purified scorpion toxin on respiratory movements in the rat. Freire-Maia L, et al.
Toxicon 8:307-10, Nov 70
[Participation of kinins in anaphylactic and anaphylatoxin shock in guinea pigs] Garbe G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:330, 1970 (Ger)
[Bacterial toxins] Stöcki W.
Wien Tieraerztl Monatsschr 57:177-83, May 70 (Ger)
[Differentiation of the toxicity to mice of Bacillus cereus and Bacillus thuringiensis from the pathogenicity of Bacillus anthracis on mice] Krieg A.
Zentralbl Bakteriol [Orig] 215:523-9, 1970 (Ger)
[Effect of anthrax toxin on cells in cultures in vitro] Fedotova IuM. Arkh Patol 32:30-3, 1970 (Rus)
[The sensitivity of various tissue culture types to the action of Cl. oedematiens toxin] Shamraeva SA, et al.
Biull Eksp Biol Med 65:91-3, May 68 (Rus)
[Materials on the experimental study of the effect of toxotoxin on development of chick embryos] Iygiste AK, et al.
Med Parazitol (Mosk) 39:282-4, May-Jun 70 (Rus)
[The toxic effects of disintegration products of enteropathogenic Escherichia coli O-124 on white mice] Voronets NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:129, Jun 70 (Rus)
[The effect of staphylococcal toxin on the bile-secreting function of the liver in animals] Drogovoz SM. Mikrobiol Zh 31:378-82, Jul-Sep 69 (Ukr)
[The effect of metabolic products of Bacillus subtilis strain no. 110 on animal brain cholinesterase activity] Reznik SR, et al.
Mikrobiol Zh 32:386-8, May-Jun 70 (Ukr)
[The effect of the products of vital activity of Clostridium sphenoides on the hemolytic activity and lethal properties of toxins from the main agents of gas gangrene] Tseiukh AV.
Mikrobiol Zh 31:496-8, Sep-Oct 69 (Ukr)

TOXOCARA (B1)

Intraocular toxocara. Wilkinson CP, et al.
Am J Ophthalmol 71:921-30, Apr 71
Age resistance to Toxocara canis in ascarid-free dogs. Greve JH. Am J Vet Res 32:1185-92, Aug 71
Unusual presentation of ocular Toxocara infestation. Smith PH, et al. Br J Ophthalmol 55:317-20, May 71
Toxocariasis. Woodruff AW.
Br Med J 3:663-9, 19 Sep 70 (51 ref.)
Precipitin reactions in monkeys (Macaca sinica) experimentally infected with Toxocara canis and in children with visceral larva migrans syndrome. Fernando ST, et al. J Comp Pathol 80:407-14, Jul 70
[New findings on the calf ascarid Toxocara vitulorum (syn. Neoascaris vitulorum, Goeze, 1782)] Lamina J.
Dtsch Tieraerztl Wochenschr 78:181-2, 15 Mar 71 (Ger)
[Importance of toxocariasis for man?] Janitschke K.
Munch Med Wochenschr 113:443-4, 19 Mar 71 (Ger)
[Intraocular helminthiasis] Alexzandrini AA, et al.
Arch Oftalmol B Aires 45:213-22, Jun 70 (Spa)

GROWTH & DEVELOPMENT

Infection of dogs by Toxocara canis carried by flies. Pegg EJ. Parasitology 62:409-14, Jun 71

IMMUNOLOGY

Hypersensitivity to some nematode antigens. Ball PA, et al. Br Med J 1:210-1, 23 Jan 71
Toxoplasmal and toxocaral infections: a clinical investigation into their relationship. Wiseman RA, et al. Br Med J 4:152-3, 17 Oct 70

PATHOGENICITY

Resistance of mice to Toxocara canis: effect of prechallenge infections and injections of worm extracts. Izzat NN, et al. Can J Zool 48:1063-6, Sep 70

TOXOCARIASIS see under ASCARIASIS (C1)

TOXOIDS (D12)

Conversion of cholera exo-enterotoxin (choleragen) to natural toxoid (choleragenoid). Finkelstein RA, et al.
J Immunol 106:868-71, Mar 71
Immunogenicity in monkeys of a combined toxoid from the main toxic principles separated from Habu snake venom. Kondo H, et al.
Jap J Med Sci Biol 23:413-8, Dec 70
Studies on immunogenicity of toxoxids from Habu (Trimeresurus flavoviridis) venom. Sadahiro S, et al.
Jap J Med Sci Biol 23:285-9, Aug 70
[Erythrocyte-transudation factor of habu toxoid (hemorrhagic factor)--its characteristics and action] Osaka A. J Jap Med Assoc 64:1246-54, Dec 70 (Jap)
[Toxoids from the venom of habu. 1. Detoxification of habu venom with formalin] Sadahiro S.
Jap J Bacteriol 26:214-21, Jun 71 (Jap)
[Nature of the EPR spectrum of concentrated diphtheria toxins and antitoxins] Pavlova NI.
Biofizika 14:944-5, Sep-Oct 69 (Rus)
[Immunogenic and antigenic characteristics of purified concentrated sorbed Cl. oedamatiens toxoids, obtained from concentrated toxins] Artemenko VD, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:94-8, May 71 (Rus)
[Morphologic and some histochemical changes in the organism of immune guinea pigs during intramuscular injection of Cl. sordelli toxin] Ermakova MP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:105-9, Apr 71 (Rus)
[Immunochemical study of the enzymes of a toxic complex of Cl. perfringens] Ispolatovskaia MV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:89-93, Apr 71 (Rus)

ADMINISTRATION & DOSAGE

Immunization of feedlot lambs with enterotoxemia toxoid and bacterin. Pierson RE.
J Am Vet Med Assoc 152:380-1, 15 Feb 68

ANALYSIS

Botulinal toxin and toxoid as antigens. Heimach RC, et al. Proc Soc Exp Biol Med 135:151-4, Oct 70
[The immunochemical and biological properties of botulin type A toxoids. I] Golshmid VK, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:44-9, Aug 70
[Mechanism of reduction of toxicity of the O-antigen of typhoid bacteria. II. Comparative study of individual components of the O-antigen complex before and after detoxification] Stupina EV.
Zh Mikrobiol Epidemiol Immunobiol 48:23-8, Jan 71 (Rus)

ISOLATION & PURIFICATION

[The fractional composition of the toxins and anatoxins of Cl. oedematiens. I. Fractionation of the toxins and anatoxins by the gel filtration method] Kulak VG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:112-5, Jun 70 (Rus)
[Isolation of purified Cl. oedematiens toxoids from concentrated toxins using casein nutrient media] Nenashev VP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:87-90, Jan 71 (Rus)
[Toxins and anatoxins of Clostridium perfringens] Cherkas GP, et al.
Mikrobiol Zh 33:173-5, Mar-Apr 71 (Ukr)

THERAPEUTIC USE

Fate and effect of endotoxin derivtives in tumor-bearing mice. Nowotny A, et al.
Proc Soc Exp Biol Med 136:68-9, Jan 71
[Experience in the treatment of suppurative diseases of the skin and subcutaneous tissue with penicillin in combination with antiphagin] Shchekotov GM.
Sov Med 32:137-41, Sep 69 (Rus)

TOXOPLASMA (B1)

Studies on the peritoneal exudate of animals experimentally infected with Toxoplasma gondii. 3. Comparative study on mouse peritoneal exudate induced with complete Freund adjuvant. Ahmed Samir M.
Acta Microbiol Acad Sci Hung 17:297-301, 1970
Experimental transmission of Toxoplasma gondii by filth-flies. Wallace GD.
Am J Trop Med Hyg 20:411-3, May 71
Pursuing toxoplasma. Frenkel JK.
J Infect Dis 122:553-9, Dec 70 (35 ref.)
[Direct agglutination of Toxoplasma. Preparation of the antigen and examination of 400 sera] Couzineau P, et al. Ann Biol Clin (Paris) 28:411-5, 1970 (Fre)
[Several Protozoal parasites of wild mammals in Madagascar. Description of 3 new Sporozoa] Ullenberg G.
Ann Parasitol Hum Comp 45:183-94, Mar-Apr 70 (Fre)

CLASSIFICATION

Toxoplasma. Med J Aust 2:389-90, 29 Aug 70
Comparison of three strains of Toxoplasma gondii by polyacrylamide-gel electrophoresis. Bloomfield MM, et al. Trop Geogr Med 22:367-70, Sep 70
[Evolutionary phases and cycles and taxonomic position of Toxoplasma gondii] Werner H, et al.
Bol Chil Parasitol 25:57-64, Jan-Jun 70 (Spa)

CYTOLOGY

[Electron microscope observations on deep-frozen toxoplasma] Gärtner L, et al.
Z Parasitenkd 35:55-66, 1970 (Ger)
[Immunoelectronmicroscopical investigations with 3-carboxy-4-ferrocenyl phenyl isothiocyanate-labelled antibodies on toxoplasma gondii] Wildführ W, et al.
Zentralbl Bakteriol [Orig] 216:532-40, 1971 (Ger)
[Ultrastructural differences between the so-called proliferative form (RH strain, BK strain) and the so-called cystic stage (DX strain) of Toxoplasma gondii] Zypen E van der, et al.
Zentralbl Bakteriol [Orig] 203:495-517, 1967 (Ger)
[Studies of the ultrastructure of Toxoplasma gondii] Terragna A, et al.
G Ig Med Prev 10:369-74, Jul-Aug 69 (Ita)

DRUG EFFECTS

The effect of rifampin on Toxoplasma gondii. Remington JS, et al.
Proc Soc Exp Biol Med 135:167-72, Oct 70
[Effect of sterinol on the proliferative forms of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Toxoplasma gondii] Rydzewski A.
Wiad Parazytol 16:445-8, 1970 (Pol)

ENZYMOLOGY

Toxoplasma gondii: aspartate aminotransferase in cell membrane. Akao S. Exp Parasitol 29:26-9, Feb 71
Toxoplasma gondii: localization of peroxidase activity. Akao S. Exp Parasitol 29:250-4, Apr 71

GROWTH & DEVELOPMENT

The use of tissue culture-grown trophozoites of an avirulent strain of Toxoplasma gondii for the immunization of mice and guinea pigs. Krahenbuhl JL, et al. J Parasitol 57:386-90, Apr 71
The life cycle of the coccidian parasite, Toxoplasma gondii, in the domestic cat. Hutchison WM, et al. Trans R Soc Trop Med Hyg 65:380-99, 1971
[Further observations on the asexual reproduction of Toxoplasma gondii and considerations on the concept of endogenesis] Vivier E.
C R Acad Sci [D] (Paris) 271:2123-6, 9 Dec 70 (Fre)
[An important discovery: the life cycle of Toxoplasma] Desmonts G. Presse Med 79:471-4, 27 Feb 71 (Fre)
[Experimental toxoplasma infections in the cat. II. Developmental stages of the parasite in the intestine] Weiland G, et al.
Berl Munch Tieraerztl Wochenschr 83:128-32, 1 Apr 70 (Ger)
[Endopolygeny in Toxoplasma gondii] Piekarski G, et al. Z Parasitenkd 36:122-30, 1971 (Ger)
[Electron microscopy studies on identical developmental stages of coccidia, Toxoplasma gondii and Piroplasmea] Scholtyseck E, et al.
Z Parasitenkd 35:119-29, 1970 (Ger)
[Developmental cycles, development phases and systematic position of Toxoplasma gondii] Werner H, et al. Zentralbl Bakteriol [Orig] 214:540-50, 1970 (Ger)
[On resistance to low temperatures in free forms of Toxoplasma gondii. Research on artificially contaminated meat and liver] Alosi C, et al.
Acta Med Vet (Napoli) 15:419-25, Sep-Oct 69 (Ita)
[Evolutionary phases and cycles and taxonomic position of Toxoplasma gondii] Werner H, et al.
Bol Chil Parasitol 25:57-64, Jan-Jun 70 (Spa)

IMMUNOLOGY

Preparation of toxoplasma antigen for use in the complement-fixation test. Morrissey LP, et al.
Am J Med Technol 37:230-2, Jun 71
Toxoplasma gondii: polar staining in fluorescent antibody test. Sulzer AJ, et al.
Exp Parasitol 29:197-200, Apr 71
An immunofluorescent test for Toxoplasma gondii in tissues. Ourth DD. Immunology 20:437-9, Apr 71
The production of monospecific antibody to a single antigen--antibody complex of Toxoplasma gondii. Ourth DD. Immunology 20:323-6, Mar 71
Resistance to intracellular infection in mice immunized with Toxoplasma vaccine and adjuvant. Ruskin J, et al.
J Reticuloendothel Soc 9:465-79, May 71
A survey of anti-toxoplasma hemagglutinating antibodies in sera from residents and certain species of animals in Surabaja, Indonesia. Yamamoto M, et al.
Kobe J Med Sci 16:273-80, Dec 70
On the antigenic structure of Toxoplasma gondii. 1. Preliminary results of antibody absorption experiments. Spanò C, et al.
Riv Ist Sieroter Ital 44:31-5, Jan-Apr 69
Effect of killed toxoplasma and sulfamonomethoxine on experimental toxoplasmosis in mice. Morita C, et al. Zentralbl Veterinaermed [B] 18:15-20, 1 Feb 71
[Toxoplasma gondii complement fixation antigen prepared by means of tween-ether preparation] Pokorný J, et al.
Cesk Epidemiol Mikrobiol Imunol 20:73-4, Mar 71 (Cze)
[Latent toxoplasmosis-diagnostic value of focal reaction of toxoplasmin skin test and its diagnostic interpretation] Vojta M.
Cesk Gynekol 36:257-9, Jun 71 (Cze)
[Antigenic analysis of Toxoplasma gondii and immunologic diagnosis of human toxoplasmosis] Wattre P, et al.
Ann Inst Pasteur Lille 20:167-82, 1969 (Fre)
[Serological, clinical and parasitological studies of specific pathogen-free piglets before and after infection with Toxoplasma gondii] Janitschke K, et al.
Zentralbl Bakteriol [Orig] 215:123-31, 1970 (Ger)
[The incidence of toxoplasma antibodies in the general population] Csóka R, et al.
Orv Hetil 112:256-60, 31 Jan 71 (Hun)
[Electron microscopic immunomorphology of Toxoplasma gondii] Brzosko WJ, et al.
Med Dosw Mikrobiol 22:277-81, 1970 (Pol)
[Pattern of hemogram in rabbits immunized by toxoplasma antigens] Dymowska Z, et al.
Med Dosw Mikrobiol 23:167-73, 1971 (Pol)
[The antigenic structure of toxoplasma] Gracheva LI, et al. Med Parazitol (Mosk) 39:650-3, Nov-Dec 70 (Rus)

ISOLATION & PURIFICATION

The Toxoplasma gondii oocyst from cat feces. Dubey JP, et al. J Exp Med 132:636-62, 1 Oct 70
Use of the microprecipitation method in agar gel (MPA) in the diagnostics of toxoplasmosis. II. Correlation of MPA and the SFT (Sabin-Feldman dye test) with results of Toxoplasma gondii isolation experiments. Hübner J, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:499-506, 1970
Isolation of Toxoplasma gondii from the Lesser Anteater in Panama. Walton BC, et al.
J Parasitol 54:1243-4, Dec 68
Morphological appearance of Toxoplasma gondii in tissue cultures and tissues of varicose hosts. Abbas AM. Trans R Soc Trop Med Hyg 65:334-6, 1971
Apparent isolation of Toxoplasma gondii from human faeces. Abbas AM, et al.
Trans R Soc Trop Med Hyg 65:337-8, 1971

METABOLISM

[Toxoplasma respiration studied by means of the G.M.E. oxygraph. Preliminary study] Dumas N.
Bull Soc Pathol Exot 63:208-14, Mar-Apr 70 (Fre)
[Influence of various factors on Toxoplasma respiration studied by means of the G.M.E. oxygraph] Dumas N.
Bull Soc Pathol Exot 63:215-27, Mar-Apr 70 (Fre)
[Respiration of Toxoplasma studied by the G.M.E. oxygraph] Dumas N.
C R Soc Biol (Paris) 164:264-6, 25 Sep 70 (Fre)

PATHOGENICITY

Comparative study on sensitivity to Toxoplasma gondii of human primary amniotic cell culture and of mice. Csóka R, et al.
Acta Microbiol Acad Sci Hung 17:85-9, 1970
Experimental infection of newborn mice with toxoplasma and Moloney virus. Huldt G, et al.
Acta Pathol Microbiol Scand [B] 79:441, 1971
Experimental toxoplasmosis in pregnant sows. I. Clinical, parasitological and serological observations. Work K, et al.
Acta Pathol Microbiol Scand [B] 78:129-39, 1970
[Experimental value of a Toxoplasma strain only slightly pathogenic for mice] Laugier M, et al.
Ann Parasitol Hum Comp 45:389-403, Jul-Aug 70 (Fre)
[Precautions against toxoplasmosis in geese previously infected by a Toxoplasma gondii strain of little virulence] Simitch T, et al.
Bull Acad Vet Fr 41:401-4, Dec 68 (Fre)
[Development of invasion in chick embryos inoculated with toxoplasma of low virulence. I] Savina MA, et al.
Med Parazitol (Mosk) 39:278-82, May-Jun 70 (Rus)

TOXOPLASMOSIS (C1)

Discovery of the developmental cycle and transmission of toxoplasmosis. Bol Chil Parasitol 25:1, Jan-Jun 70
Experimental toxoplasmosis in chimpanzees. Draper CC, et al. Br Med J 2:375-8, 15 May 71
Pursuing toxoplasma. Frenkel JK.
J Infect Dis 122:553-9, Dec 70 (35 ref.)
Toxoplasmosis. Boughton CR.
Med J Aust 2:418-21, 29 Aug 70
Coccidiosis and toxoplasmosis. Mott KE.
N Engl J Med 284:448-9, 25 Feb 71
Toxoplasmosis isosporosis. Stagno S, et al.
N Engl J Med 284:853, 15 Apr 71
[Toxoplasmosis in obstetrics] Fuchs V.
Cesk Gynekol 36:33-5, Feb 71 (Cze)
[Toxoplasmosis: current data] Capponi M.
Bull Soc Pathol Exot 64:46-52, Jan-Feb 71 (Fre)
[Toxoplasmosis] Bonard EC.
Rev Med Suisse Romande 91:361-4, Jun 71 (Fre)
[Toxoplasmosis in pregnant women] Giardon B.
Rev Med Suisse Romande 91:401-12, Jun 71 (Fre)
[Toxoplasmoses] Hunger H. HNO 18:190-2, Jun 70 (Ger)
[The transmission of toxoplasmosis] Pacelli M.
Ann Med Nav (Roma) 75:424-6, Jul-Aug 70 (Ita)
[Toxoplasmosis and pregnancy] Mondo F, et al.
Minerva Ginecol 21:402-10, 15 Apr 69 (Ita)
[Recent advances in the epidemiology, clinical aspects and therapy of toxoplasmosis] Tolentino P.
Recent Progr Med (Roma) 49:1-16, Jul 70 (32 ref.) (Ita)
[Toxoplasmosis: clinical, diagnostic, therapeutic, and preventive aspects] Amato Neto V.
Rev Paul Med 77:151-6, Apr 71 (Por)
[Toxoplasmosis sepsis. In reference to the article by E. A. Gal'perin "So-called Toxoplasmosis Sepsis", Meditsinskaia Parazitologiia, 1969. No. 1] Shevkunova EA. Med Parazitol (Mosk) 39:730-2, Nov-Dec 70 (Rus)
[Toxoplasmosis: infection and disease] Ascione A.
Arch Fund Roux Ocefa 3:195-202, 1969 (Spa)
[Contribution to the problem of diagnosing myocardiopathies produced by Toxoplasma gondii] Arribada A, et al.
Bol Chil Parasitol 25:22-32, Jan-Jun 70 (Spa)
[Clinical management of toxoplasmosis] Atás A.
Bol Chil Parasitol 25:123-6, Jul-Dec 70 (Spa)
[On a case of toxoplasmosis] Sanzol RN, et al.
Rev Sanid Milit Argent 68:119-27, Dec 69 (Spa)

BLOOD

[Toxoplasmosis] Langer H.
Z Allgemeinmed 46:943, 30 Jun 70 (Ger)

COMPLICATIONS

Hepatic involvement in the course of acquired toxoplasmosis. Kouba K, et al.
Acta Paediatr Scand 60:482-7, Jul 71
Disseminated toxoplasmosis and cytomegalovirus infection complicating Hodgkin's disease. Luna MA, et al. Am J Clin Pathol 55:499-505, Apr 71
Toxoplasmal and toxocaral infections: a clinical investigation into their relationship. Wiseman RA, et al. Br Med J 4:152-3, 17 Oct 70
Toxoplasmosis: abortions and stillbirths. Hingorani V, et al. Indian J Med Res 58:967-74, Jul 70
Experimental toxoplasmic myocarditis in rabbits. Henry L, et al. J Pathol 101:Pxxi, Aug 70
Toxoplasmosis in an Egyptian child with mediastinal lymphadenopathy. el-Naggar BA, et al.
J Trop Med Hyg 74:82, Apr 71
Pulmonary infiltrate. Initial manifestation of toxoplasmosis. Kennedy BJ, et al.
Minn Med 54:321-5, May 71
[Acquired toxoplasmosis in adults with cutaneous papulo-nodular manifestations] Midana A, et al.
Bull Soc Fr Dermatol Syphiligr 77:333-4, 1970 (Fre)
[Colloquy on toxoplasmosis in pregnant women and prevention of congenital toxoplasmosis] Desmont G, et al. Lyon Med 222:565-6 passim, 12 Oct 69 (Fre)
[Hepatic involvement in infectious mononucliosis and in acquired toxoplasmosis. (Study of an homogenous group of 357 young adults)] Laverdant C, et al.
Lyon Med 225:Suppl:25-30, 1971 (Fre)
[2 cases of submaxillary adenopathy (primary syphilis and toxoplasmosis)] Debaillieul P.
Rev Stomatoedontol Nord Fr 25:101-4, 1970 (Fre)
[Pneumatosis intestinalis acuta in toxoplasmosis] Pathenheimer F, et al.
Kinderaerztl Prax 38:433-9, Oct 70 (Ger)
[Embryopathia toxoplasmotica? (Child with anophthalmos, complicated microphthalmos and hydranencephaly, the mother having anti-Lea and toxoplasmosis)] Heilmann K, et al.
Munch Med Wochenschr 113:850-3, 28 May 71 (Ger)
[Repeated abortion and toxoplasmosis] D'Alberton A, et al. Ann Ostet Ginecol 91:415-9, Jun 69 (Ita)
[Unilateral and bilateral renal agenesis (anatomo-pathological case contribution)]) Crucioli V, et al.
Folia Hered Pathol (Milano) 18:5-8, Jan 69 (Ita)
[Lymph node toxoplasmosis. Description of a case] Schiraldi O, et al.
G Mal Infett Parassit 22:677-82, Oct 70 (Ita)
[Importance of toxoplasmosis in abortion] Spanio P.
Minerva Ginecol 21:693-4, 31 May 69 (Ita)
[Hemorrhage during labor and the early postnatal period in women with RH-negative blood and positive immunologic reaction to toxoplasmosis] Zhitkova GM, et al. Sov Zdravookhr Kirg 3:51-5, May-Jun 70 (Rus)
[Incidence of disease of the inner ear in toxoplasmosis] Luzina AV, et al.
Vestn Otorinolaringol 33:20-2, Jan-Feb 71 (Rus)
[The value of rheography in studying circulatory disorders in toxoplasmosis] Korovitskiĭ LK, et al.
Vrach Delo 141-5, Jan 71 (Rus)
[Adult toxoplasmosis. Considerations on a case with associated bilateral brachial plexitis] Tejero Lamarca J, et al. Rev Clin Esp 119:445-50, 15 Dec 70 (Spa)

DIAGNOSIS

A case of toxoplasmic lymphadenitis in an adult with a description of the biopsied lymph nodes. Smith JM, et al. Am J Med Sci 260:184-91, Sep 70
Acquired toxoplasmosis: infection versus diseases. Remington JS, et al.
Ann NY Acad Sci 174:1006-17, 30 Oct 70
An immunofluorescent test for Toxoplasma gondii in tissues. Ourth DD. Immunology 20:437-9, Apr 71
Utilization of whole blood specimens on filter paper for the indirect fluorescent antibody test for toxoplasmosis. Walton BC, et al.
J Parasitol 57:678-80, Jun 71
Comparison of the dye test and hemagglutination tests by three different techniques in the serologic diagnosis of toxoplasmosis. Results on sera from humans, dogs and cats. Kobayashi A, et al.
Jap J Med Sci Biol 24:115-24, Apr 71
[Microprecipitation reaction in agar-gel (MPA) for serological diagnosis in toxoplasmosis] Hübner J, et al.
Cesk Epidemiol Mikrobiol Imunol 20:97-101, Mar 71 (Cze)
[Use of indirect fluorescence reaction in the diagnosis of toxoplasmosis] Kramář J, et al.
Cesk Epidemiol Mikrobiol Imunol 19:286-90, Nov 70 (Cze)
[Latent toxoplasmosis-diagnostic value of focal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

reaction of toxoplasmin skin test and its diagnostic interpretation] Vojta M.
Cesk Gynekol 36:257-9, Jun 71 (Cze)
[Direct agglutination of Toxoplasma. Preparation of the antigen and examination f 400 serus] Couzineau P, et al. Ann Biol Clin (Paris) 28:411-5, 1970 (Fre)
[Antigenic analysis of Toxoplasma gondii and immunologic diagnosis of human toxoplasmosis] Wattre P, et al.
Ann Inst Pasteur Lille 20:167-82, 1969 (Fre)
[Pseudo-tumorous mediastinal lymph node toxoplasmosis] Le Lourd R, et al.
Bord Med 3:2121-4, Sep 70 (Fre)
[Nosology of toxoplasmosis] Desmonts G.
Cah Coll Med Hop Paris 10:475-90, 15 Jun 69 (Fre)
[First results of the application of the indirect immunofluorescence method of the study of toxoplasmosis in Abidjan] Doucet J, et al.
Lyon Med 225:199-200, 14 Feb 71 (Fre)
[Pseudo-tumoral mediastinal lymph node toxoplasmosis] Le Lourd R, et al.
Sem Hop Paris 46:2993-7, 14 Nov 70 (Fre)
[Acquired toxoplasmosis] Slim JC.
Internist (Berlin) 12:312-8, Aug 71 (Ger)
[Prognosis of acquired toxoplasmosis] Kabelitz HJ.
Lebensversicherungsmedizin 23:117-9, Sep 71 (Ger)
[Significance of toxoplasmosis serodiagnosis reactions] Sprössig M, et al.
Z Aerztl Fortbild (Jena) 65:210-4, 15 Feb 71 (Ger)
[Acquired toxoplasmosis] Geyer E.
Z Gesamte Inn Med 24:Suppl:61-3, 1 Jan 69 (Ger)
[Toxoplasmotic lymphadenitis (so-called Piringer-Kuchinka subacute lymphadenitis of neck and nape) an important differential diagnosis, also for the dermatologist, in enlarged lymph nodes of the neck and nape] Undeutsch W, et al.
Z Haut Geschlechtskr 45:413-8, 15 May 70 (Ger)
[Conjugation of toxoplasma antibody-containing sera with fluorescein isothiocyanate. Complement fixation test, indirect fluorescent antibody reaction and serum dye test as test criteria for the sera to be selected] Budde E.
Zentralbl Bakteriol [Orig] 213:263-9, 1970 (Ger)
[Standardization of the complement fixation with total toxoplasmic antigen: reliability of results obtained with this reaction and with the Dye Test] Giannini V, et al. G Mal Infett Parassit 22:692-7, Oct 70 (Ita)
[Attempt at applying fluorescent antibody technic for the diagnosis of toxoplasma infections] Dymowska Z, et al. Med Dosw Mikrobiol 22:283-92, 1970 (Pol)
[Lyophilized antigen in the diagnosis of toxoplasmosis] Dymowska Z, et al. Wiad Lek 24:1067-71, 1 Jun 71 (Pol)
[Is toxoplasmosis a coccidiosis? Biological and epidemiologic considerations] Kozar M, et al.
Wiad Parazytol 17:3-24, 1971 (Pol)
[Methylene blue in Sabin and Feldman dye test] Rydzewski A. Wiad Parazytol 17:25-7, 1971 (Pol)
[Epidemiology of toxoplasmosis. Contact with animals at home and at work] Gomes MC.
Rev Assoc Med Bras 16:141-6, May 70 (Por)
[Diagnosis of toxoplasmosis infection of the brain with epileptiform syndrome] Betin EM.
Med Parazitol (Mosk) 39:416-21, Jul-Aug 70 (Rus)
[Specificity of the complement-fixation test for toxoplasmosis in staphylococcal infections] Eremeeva EA.
Med Parazitol (Mosk) 38:314-7, May-Jun 69 (Rus)
[Problems of parasitological diagnosis of toxoplasmosis] Savina MA, et al.
Med Parazitol (Mosk) 38:349-53, May-Jun 69 (Rus)
[The fluorescent antibody technics in the laboratory diagnosis of toxoplasmosis] Shevkunova EA, et al.
Med Parazitol (Mosk) 38:307-10, May-Jun 69 (Rus)
[Results of complement fixation test with toxoplasmic antigen in syphilitic patients] Filina SA, et al.
Vestn Dermatol Venerol 43:55-7, Aug 69 (Rus)
[Diagnostic significance of low titers of the complement fixation reaction with some antigens] Zhitova EI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:72-5, Feb 71 (Rus)
[Acquired toxoplasmosis of the CNS] Orovčanec K, et al. Med Pregl 24:59-61, 1971 (Ser)
[Specificity and sensitivity of the toxoplasmin intradermoreaction] Apt W, et al.
Bol Chil Parasitol 25:37-41, Jan-Jun 70 (Spa)
[Comparison of the Sabin Feldman and indirect immunofluorescence reactions for toxoplasmosis in 1,263 human sera] Stagno S, et al.
Bol Chil Parasitol 25:102-5, Jul-Dec 70 (Spa)
[Value of indirect immunofluorescent test in the serologic diagnosis of acute toxoplasmosis] Stagno S, et al. Bol Chil Parasitol 25:9-15, Jan-Jun 70 (Spa)
[Relation of the activity of serum transaminases and hepatic tests on the positivity of serologic reactions to toxoplasmosis] Pakan J, et al.
Bratisl Lek Listy 56:38-41, 1971 (Slo)
[Cases of acquired toxoplasmosis] Bezjak B, et al.
Lijec Vjesn 92:923-31, 1970 (Cro)

DRUG THERAPY

[Stages in the prophylaxis of toxoplasmosis] Kupka S.
Zentralbl Gynaekol 92:1689-92, 19 Dec 70 (Ger)
[Treatment of chronic acquired toxoplasmosis] Petreniuk LM.
Klin Med (Mosk) 49:116-21, Apr 71 (Rus)
[Treatment of chronic acquired toxoplasmosis with a chloridin-sulfadimezin-pyrogenal complex] Averina NI. Sov Med 33:141-2, Jul 70 (Rus)
[Therapy of toxoplasmosis] Apt W.
Bol Chil Parasitol 25:65-8, Jan-Jun 70 (Spa)

ENZYMOLOGY

[Activity of leucine aminopeptidase of the blood serum in pregnant women with late toxicoses and some extragenital diseases] Bbbich ZIu, et al.
Pediatr Akush Ginekol 3:40-2, May-Jun 69 (Ukr)

ETIOLOGY

Animals as a source of toxoplasma infections in man. Janitschke K. Ger Med Mon 1:23-8, Spring 71 (56 ref.)
[The significance of animals as source of infection of man with toxoplasma] Janitschke K.
Dtsch Med Wochenschr 96:78-83, 8 Jan 71 (60 ref.) (Ger)
[Streptococcus angina, myocarditis and toxoplasmosis following splenectomy] Renschler HE, et al.
Internist (Berlin) 11:150-1, Apr 70 (Ger)

IMMUNOLOGY

Transmission of toxoplasmosis by leukocyte transfusion. Siegel SE, et al. Blood 37:388-94, Apr 71
A study on the active and passive immunity in experimental toxoplasmosis. Gill HS, et al.
Indian J Med Res 58:1157-63, Sep 70
Studies on the accessory factor for the toxoplasma dye test: essential role of complement. Suzuki M, et al.
J Parasitol 57:924-5, Aug 71
[Study of toxoplasmosis at Kinshasa] Wery-Paskoff S, et al. Ann Soc Belg Med Trop 50:703-10, 1970 (Fre)
[Standardization of the complement fixation with total toxoplasmic antigen: reliability of results obtained with this reaction and with the Dye Test] Giannini V, et al. G Mal Infett Parassit 22:692-7, Oct 70 (Ita)
[Toxoplasmosis and abortion. Serologic findings and clinical results] Mega M, et al.
Minerva Ginecol 21:694-5, 31 May 69 (Ita)
[Immunoglobulin characterization of anti-Mycoplasma pneumoniae and anti-Toxoplasma gondii antibodies] Medina F, et al.
Progr Immunobiol Stand 4:179-82, 1970 (Ita)
[Immunological phenomena and pathological processes in toxoplasmosis] Granicki O.
Wiad Lek 24:25-30, 1 Jan 71 (20 ref.) (Pol)
[The fluorescent antibody reaction (indirect method) in experimental toxoplasmosis in white rats] Shevkunova EA, et al.
Med Parazitol (Mosk) 39:653-7, Nov-Dec 70 (Rus)
[The immune response in toxoplasmosis. Interpretation and diagnostic value of biological reactions] Aparicio Garrido J.
Med Trop (Madr) 46:28-47, Jan-Dec 70 (Spa)

OCCURRENCE

Epidemiological observations on toxoplasmosis in Niigata Prefecture. Suzuki T, et al.
Acta Med Biol (Niigata) 18:261-8, Mar 71
Contribution to the study of the toxoplasmosis epidemiology. Serologic survey among the indians of the upper Xingu River, Central Brazil. Baruzzi RG.
Rev Inst Med Trop Sao Paulo 12:93-104, Mar-Apr 70
[Toxoplasmic serology of West African immigrant workers (600 serums examined by immunofluorescence; preliminary study)] Niel G, et al. Bull Soc Med Afr Noire Lang Fr 15:611-5, 1970 (Fre)
[Research on toxoplasmosis with 1,858 pregnant women] Terris J, et al.
Gynecol Obstet (Paris) 68:25-34, Jan-Mar 69 (Fre)
[Epidemiologic study on toxoplasmosis in Maine-et-Loire using the indirect immunofluorescence. Preliminary results] Hocquet P, et al. Lyon Med 225:195-7, 14 Feb 71 (Fre)
[Contribution to toxoplasmosis epidemiology in Midi-Pyrénées region] Seguela JP, et al.
Lyon Med 225:179-86, 14 Feb 71 (Fre)
[Serologic study of human toxoplasmosis in western part of Gers] Seguela MO, et al.
Lyon Med 225:187-93, 14 Feb 71 (Fre)
[Use of indirect immunofluorescence reactions in epidemiologic studies. A. Preliminary study: toxoplasmosis] Le Vigueilloux J, et al.
Med Trop (Mars) 29:76-83, Jan-Feb 69 (Fre)
[Human and animal toxoplasmosis in Tunisia] Ben Rachid MS, et al.
Tunis Med 48:101-10, Mar-Apr 70 (Fre)
[Epidemiology, clinical aspects and therapy of toxoplasmosis] Alexander M.
Med Klin 65:283-8, 13 Feb 70 (Ger)
[Prevalence of toxoplasma gondii in Hamburg] Schassan HH, et al.
Z Tropenmed Parasitol 22:165-77, Jun 71 (Ger)
[Anti-Toxoplasma gondii antibodies in blood donors] Araujo FG de.
Rev Inst Med Trop Sao Paulo 12:105-11, Mar-Apr 70 (Por)
[The epidemiology of toxoplasmosis. Studies among professionals of Sorocaba city] Gomes MC.
Rev Inst Med Trop Sao Paulo 12:266-71, Jul-Aug 70 (Por)
[The epidemiology of toxoplasmosis among donors] Shkarin VV.
Zh Mikrobiol Epidemiol Immunobiol 47:125-8, Jun 70 (Rus)
[Results of examination for toxoplasmosis of medical personnel] Shkarin VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:122-6, 1971 (Rus)
[Frequency of Toxoplasma gondii infection in man in the Serbian SR] Sibalić D, et al.
Glas Srp Akad Nauka [Med] 22:85-90, 1969 (Ser)
[Prevalence of toxoplasmosis in the Hospital Psiquiátrico de Santiago] Schenone H, et al.
Bol Chil Parasitol 25:138-40, Jul-Dec 70 (Spa)
[Incidence of Toxoplasma gondii infection in children of the northern health area, Santiago] Stagno S, et al.
Bol Chil Parasitol 25:16-21, Jan-Jun 70 (Spa)
[Study of Toxoplasma gondii antibodies by immunofluorescence in women with abnormal pregnancies] Molina Pasquel C, et al.
Rev Invest Salud Publica 31:27-39, Jan-Mar 71 (Spa)
[Toxoplasma antibodies in the blood of healthy and aborted women] Ekmen H.
Turk Hij Tecr Biyol Derg 30:56-62, 1970 (Tur)

PATHOLOGY

[Histopathological aspects of human toxoplasmosis and experimental toxoplasmosis in guinea pigs] Bérard M, et al. Laval Med 39:291-307, Apr 68 (93 ref.) (Fre)
[Toxoplasma encephalitis in adults] Förtsch D, et al.
Dtsch Med Wochenschr 95:2362-6 passim, 20 Nov 70 (Ger)
[2 cases of acquired latent focal toxoplasmosis of the brain in a cytostatic and corticosteroid treated neoplastic disease] Vortel V, et al.
Sb Ved Pr Lek Fak Karlovy Univ 13:107-11, 1970 (Ger)
[Immunological phenomena and pathological processes in toxoplasmosis] Granicki O.
Wiad Lek 24:25-30, 1 Jan 71 (20 ref.) (Pol)
[A description of intervitam morphologic studies of the liver and kidneys in a toxoplasmosis patient] Shulutko BI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:115-7, Sep 70 (Rus)

TOXOPLASMOSIS, ANIMAL (C1, C15)

Isolation of toxotoxin as a large molecule or particle by a method called "ice-filtration". Pettersen EK.
Acta Pathol Microbiol Scand [B] 78:669-72, 1970
Experimental toxoplasmosis in pregnant sows. I. Clinical, parasitological and serological observations. Work K, et al.
Acta Pathol Microbiol Scand [B] 78:129-39, 1970
Toxoplasma gondii life cycle in cats. Dubey JP, et al.
J Am Vet Med Assoc 157:1767-70, 1 Dec 70
Toxoplasmosis in Aotus trivirgatus and Callicebus moloch. Seibold HR, et al.
Lab Anim Sci 21:118-20, Feb 71
Toxoplasmosis. Heeley DM.
Trans Ophthalmol Soc UK 89:315-9, 1970
The life cycle of the coccidian parasite, Toxoplasma gondii, in the domestic cat. Hutchison WM, et al.
Trans R Soc Trop Med Hyg 65:380-90, 1971
[The transmission of toxoplasmosis] Pacelli M.
Ann Med Nav (Roma) 75:424-6, Jul-Aug 70 (Ita)

COMPLICATIONS

Epizootics of toxoplasmosis causing ovine abortion. Watson WA, et al. Vet Rec 88:128-4, 30 Jan 71
Ovine abortion due to experimental toxoplasmosis. Watson WA, et al. Vet Rec 88:42-5, 9 Jan 71
[The course of infection upon mixed invasion of white mice by Toxoplasma gondii and Nuttallia musculi] Kaliakin VN, et al.
Med Parazitol (Mosk) 39:621-2, Sep-Oct 70 (Rus)

DIAGNOSIS

Use of the microprecipitation method in agar gel (MPA) in the diagnostics of toxoplasmosis. II. Correlation of MPA and the SFT (Sabin-Feldman dye test) with results of Toxoplasma gondii isolation experiments. Hübner J, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:499-506, 1970
Comparison of the dye test and hemagglutination tests by three different techniques in the serologic diagnosis of toxoplasmosis. Results on sera from humans, dogs and cats. Kobayashi A, et al.
Jap J Med Sci Biol 24:115-24, Apr 71
Further field studies on the fluorescent antibody test in the diagnosis of ovine abortion due to toxoplasmosis. Archer JF, et al.
Vet Rec 88:178-80, 13 Feb 71
A field trial of the fluorescence antibody test for

toxoplasmosis in the diagnosis of ovine abortion.
Archer JF, et al. Vet Rec 88:206-8, 20 Feb 71
[Toxoplasma infections in domestic animals in Turkey (serological studies using the Sabin-Feldman test)]
Weiland G, et al.
Berl Munch Tieraerztl Wochenschr 83:65-8, 15 Feb 70 (Ger)

DRUG THERAPY

The effect of trimethoprim on acute experimental toxoplasmosis in mice. Sander J, et al.
Acta Pathol Microbiol Scand [B] 78:684-8, 1970
Chemotherapy of experimental Toxoplasma gondii (RH strain) infection. Gill HS, et al.
Indian J Med Res 58:1197-202, Sep 70
Antitoxoplasmic activity of sulfonamides with various radicals in experimental toxoplasmosis in mice. Brus R, et al. Z Tropenmed Parasitol 22:98-103, Mar 71
Effect of killed toxoplasma and sulfamonomethoxine on experimental toxoplasmosis in mice. Morita C, et al. Zentralbl Veterinaermed [B] 18:15-20, 1 Feb 71

EMBRYOLOGY

[Studies on the significance of intrauterine transmission of toxoplasma infections for the prevalence of this infection in domestic rabbits]
Janitschke K, et al.
Z Tropenmed Parasitol 21:246-51, Sep 70 (Ger)

IMMUNOLOGY

The use of tissue culture-grown trophozoites of an avirulent strain of Toxoplasma gondii for the immunization of mice and guinea pigs. Krahenbuhl JL, et al. J Parasitol 57:386-90, Apr 71
Occurrence of toxoplasmosis antibodies in goats in India. Gill HS, et al. Trop Geogr Med 22:364-6, Sep 70
Prevalence of antibodies against Toxoplasma gondii in slaughter-pigs in India. Gill HS, et al.
Vet Rec 89:130, 24 Jul 71
[Experimental value of a Toxoplasma strain only slightly pathogenic for mice] Laugier M, et al.
Ann Parasitol Hum Comp 45:389-403, Jul-Aug 70 (Fre)
[Experimental and histological studies on Toxoplasma infections in house cats] Piekarski G, et al.
Z Parasitenkd 36:95-121, 1971 (Ger)
[Serological, clinical and parasitological studies of specific pathogen-free piglets before and after infection with Toxoplasma gondii] Janitschke K, et al.
Zentralbl Bakteriol [Orig] 215:123-31, 1970 (Ger)
[Influence of diet containing various quantities of protein on the antitoxoplasma immunity in experimentally infected rats] Tos-Luty S, et al.
Wiad Parazytol 16:439-44, 1970 (Pol)
[Incomplete antibodies in animal toxoplasmosis]
Luk'ianova KP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:58-61, Jun 70 (Rus)

METABOLISM

Studies on the peritoneal exudate of animals experimentally infected with Toxoplasma gondii. 3. Comparative study on mouse peritoneal exudate induced with complete Freund adjuvant. Ahmed Samir M.
Acta Microbiol Acad Sci Hung 17:297-301, 1970
[Physiopathology of Toxoplasma gondii infection. II. Carbohydrate metabolism in experimentally infected mice] Janssen P. Z Parasitenkd 35:97-104, 1970 (Ger)

MICROBIOLOGY

Animals as a source of toxoplasma infections in man.
Janitschke K. Ger Med Mon 1:23-8, Spring 71 (56 ref.)
The problem of toxoplasmosis in Amphibia. II. (Protozoa, Sporozoa). Costa SC da, et al.
Rev Bras Biol 30:367-70, Sep 70
[Developmental cycles, development phases and systematic position of Toxoplasma gondii] Werner H, et al. Zentralbl Bakteriol [Orig] 214:540-50, 1970 (Ger)
[Ultrastructural differences between the so-called proliferative form (RH strain, BK strain) and the so-called cystic stage (DX strain) of Toxoplasma gondii] Zypen E van der, et al.
Zentralbl Bakteriol [Orig] 203:495-517, 1967 (Ger)
[Immunofluorescent studies on the appearance of parasites in experimental toxoplasmosis in mice]
Karmańska K, et al.
Wiad Parazytol 17:141-9, 1971 (Pol)

OCCURRENCE

The epidemiology of toxoplasmosis.
Med J Aust 1:868, 27 Mar 71
Serologic survey of toxoplasmosis in Southern California domestic animals by a hemagglutination, microtiter method. Scott FS, et al.
Proc US Anim Health Assoc 73:528-38, 1969
Prevalence of Toxoplasma antibodies in cattle in India. Gill HS, et al. Trop Geogr Med 23:204-7, Jun 71
[Human and animal toxoplasmosis in Tunisia] Ben Rachid MS, et al.
Tunis Med 48:101-10, Mar-Apr 70 (Fre)
[Spontaneous toxoplasmosis of swine] Timofeev BA.
Veterinariia 6:61-2, Jun 70 (Rus)
[The distribution and epizootology of toxoplasmosis among wild animals] Kaitakin VN.
Zh Mikrobiol Epidemiol Immunobiol 47:132, Jun 70 (Rus)

PATHOLOGY

Experimental toxoplasmosis in pregnant sows. Moller T, et al.
Acta Pathol Microbiol Scand [A] 78:241-55, 1970
The pathology of the placenta in ovine abortion due to toxoplasmosis. Beverley JK, et al.
Vet Rec 88:124-8, 30 Jan 71
The pathology of the foetus in ovine abortion due to toxoplasmosis. Beverley JK, et al.
Vet Rec 88:174-8, 13 Feb 71
[Histopathological aspects of human toxoplasmosis and experimental toxoplasmosis in guinea pigs] Bérard M, et al. Laval Med 39:291-307, Apr 68 (93 ref.) (Fre)
[Experimental toxoplasma infections in the cat. II. Developmental stages of the parasite in the intestine]
Weiland G, et al.
Berl Munch Tieraerztl Wochenschr 83:128-32, 1 Apr 70 (Ger)
[Materials on the experimental study of the effect of toxotoxin on development of chick embryos] Iygiste AK, et al.
Med Parazitol (Mosk) 39:282-4, May-Jun 70 (Rus)

PREVENTION & CONTROL

Prevention of experimental and of naturally occurring ovine abortion due to toxoplasmosis. Beverley JK, et al. Vet Rec 88:39-41, 9 Jan 71
[Precautions against toxoplasmosis in geese previously infected by a Toxoplasma gondii strain of little virulence] Simitch T, et al.
Bull Acad Vet Fr 41:401-4, Dec 68 (Fre)
[Immunization against toxoplasmosis in mice]
Stadtabaeder S, et al.
Lyon Med 225:175-7, 14 Feb 71 (Fre)
[Control of rabbit epidemics] Flückiger G.
Schweiz Arch Tierheilkd 112:664-8, Dec 70 (Ger)

TOXOPLASMOSIS, CONGENITAL (C1, C16)

Congenital toxoplasmosis in mice. Beverley JK, et al.
J Pathol 101:Pxxi, Aug 70
Toxoplasmosis. Boughton CR.
Med J Aust 2:418-31, 29 Aug 70
[Ocular toxoplasmosis. On a series of recent cases]
Viallefont H, et al.
Bull Soc Ophtalmol Fr 69:260-5, Feb 69 (Fre)
[A case of congenital toxoplasmosis in bi-chorial twins]
Calvi Zampetti A, et al.
Ann Ottalmol Clin Ocul 95:447-53, May 69 (Ita)
[Recent advances in the epidemiology, clinical aspects and therapy of toxoplasmosis] Tolentino P.
Recent Progr Med (Roma) 49:1-16, Jul 70 (32 ref.) (Ita)
[3 cases of congenital toxoplasmosis] Di Bartolo I.
Arch Argent Pediatr 67:14-6, Jan-Jun 69 (Spa)
[Acute serious toxoplasmosis in a newborn]
Söderhjelm L. Lakartidningen 68:2687, 2 Jun 71 (Swe)

CEREBROSPINAL FLUID

[Late neurological development of congenital toxoplasmosis demonstrated by study of the CSF]
Piussan C, et al.
Ann Pediatr (Paris) 18:224-7, 2 Mar 71 (Fre)
[Late neurologic evolution of congenital toxoplasmosis demonstrated by study of the cerebrospinal fluid]
Piussan C, et al. Pediatrie 26:329-30, Apr-May 71 (Fre)

COMPLICATIONS

Late onset of disease in congenital toxoplasmosis.
Miller LH, et al. Clin Pediatr (Phila) 10:78-80, Feb 71

DIAGNOSIS

[Technics of demonstration of IgM type antibodies in congenital infections] Dropsy G, et al.
Ann Biol Clin (Paris) 29:67-73, 1971 (Fre)
[Anatomo-clinical study of a case of congenital toxoplasmosis] Rabinowicz PD, et al.
Rev Otoneuroophtalmol 42:415, Nov 70 (Fre)
[Prognosis of acquired toxoplasmosis] Kabelitz HJ.
Lebensversicherungsmedizin 23:117-9, Sep 71 (Ger)

DRUG THERAPY

[Importance of decalcification in the treatment of toxoplasmosis] Giza T, et al.
Przegl Lek 27:438-40, 28 Jun 71 (Pol)

IMMUNOLOGY

[Immunoglobulins and the newborn. Recent data applied to child care and to therapeutics (particularly of toxoplasmosis)] Martin C.
Bord Med 4:861-2 passim, Mar 71 (Fre)

OCCURRENCE

[Congenital toxoplasmosis of the eye (according to data from the Ufimsk Scientific Research Institute of Eye Diseases)] Pis'mennaia LS.
Oftalmol Zh 24:457-8, 1969 (Rus)

PATHOLOGY

Histopathological changes caused by congenital toxoplasmosis in mice. Beverley JK, et al.
Lyon Med 225:883-7, 9 May 71
Congenital toxoplasmosis: report of a case. Mullaney J, et al. Trans Ophthalmol Soc UK 89:959-62, 1970

PHYSIOPATHOLOGY

[Function of adrenal cortex in children with congenital toxoplasmosis] Gershman RN, et al.
Pediatr Akush Ginekol 3:27-9, May-Jun 69 (Ukr)

PREVENTION & CONTROL

[Colloquy on toxoplasmosis in pregnant women and prevention of congenital toxoplasmosis] Desmont G, et al. Lyon Med 222:565-6 passim, 12 Oct 69 (Fre)
[Stages in the prophylaxis of toxoplasmosis] Kupka S.
Zentralbl Gynaekol 92:1689-92, 19 Dec 70 (Ger)
[Problems of antenatal prophylaxis of toxoplasmosis in the light of pathogenesis] Iygiste AK, et al.
Med Parazitol (Mosk) 38:311-4, May-Jun 69 (Rus)

TOXOPLASMOSIS, OCULAR (C1, C11)

Toxoplasmic infection and toxoplasmosis of the eye.
Binkhorst CD.
Int Ophthalmol Clin 10:621-38, Fall 70 (12 ref.)
Ocular toxoplasmosis. Hogan MJ.
Trans Pac Coast Otoophthalmol Soc 50:1-21, 1969 (33 ref.)
[Unusual forms of toxoplasmic uveitis in the young]
Campinchi R, et al.
Bull Mem Soc Fr Ophtalmol 81:266-73, 1968 (Fre)
[Ocular toxoplasmosis. On a series of recent cases]
Viallefont H, et al.
Bull Soc Ophtalmol Fr 69:260-5, Feb 69 (Fre)
[A case of congenital toxoplasmosis in bi-chorial twins]
Calvi Zampetti A, et al.
Ann Ottalmol Clin Ocul 95:447-53, May 69 (Ita)
[3 cases of congenital toxoplasmosis] Di Bartolo I.
Arch Argent Pediatr 67:14-6, Jan-Jun 69 (Spa)
[Toxoplasma retinochoroiditis] Soiza JA, et al.
Arch Oftalmol B Aires 45:161-4, Apr 70 (Spa)

CHEMICALLY INDUCED

Studies on experimental ocular toxoplasmosis in the rabbit. 3. Recurrent inflammation stimulated by systemic administration of antilymphocyte serum and normal horse serum. O'Connor GR, et al.
Arch Ophthalmol 85:718-22, Jun 71

COMPLICATIONS

[False double papilla caused by toxoplasmic cicatrix]
Hamard H, et al.
Bull Mem Soc Fr Ophtalmol 82:552-6, 1969 (Fre)
[A case of trypanosomiasis] Marx P, et al.
Bull Soc Ophtalmol Fr 69:765-72, Jul-Aug 69 (Fre)
[Bilateral intermittent exophthalmos caused by acquired toxoplasmosis] Kival'chich VV.
Oftalmol Zh 26:65-6, 1971 (Rus)

CONGENITAL

[Congenital toxoplasmosis of the eye (according to data from the Ufimsk Scientific Research Institute of Eye Diseases)] Pis'mennaia LS.
Oftalmol Zh 24:457-8, 1969 (Rus)

DIAGNOSIS

[Studies on the ocular toxoplasmosis. 3. Analytical studies on cases of ocular toxoplasmosis] Sato T.
Acta Soc Ophthalmol Jap 75:1062-9, Feb 71 (Jap)
[A case of toxoplasmic endophthalmitis simulating retinoblastoma] Khamidova MKh, et al.
Vestn Oftalmol 6:85-7, Nov-Dec 70 (Rus)
[Evaluation of intradermal diagnostic tests] Nazarov VV. Vestn Oftalmol 2:58-9, 1971 (Rus)

DRUG THERAPY

The treatment of toxoplasmic uveitis. Gordon DM.
Int Ophthalmol Clin 10:639-46, Fall 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

IMMUNOLOGY

Experimental ocular toxoplasmosis in mice: immunofluorescent demonstration of toxoplasma antigens in the early stage of infection. Aoki S, et al. Bull Osaka Med Sch 16:74-81, Oct 70
[Effects of repeated intravitreous injections of toxoplasmic endotoxin in the rabbit] Pivetti-Pezzi P, et al. Boll Ocul 49:287-305, Jun 70 (Ita)

MICROBIOLOGY

Toxoplasma gondii associated with human cataracts. Ourth DD. Br J Exp Pathol 52:276-9, Jun 71

PATHOLOGY

Retinochoroidal vascular anastomosis in uveitis. Kennedy JE, et al. Am J Ophthalmol 71:1221-5, Jun 71
Congenital toxoplasmosis: report of a case. Mullaney J, et al. Trans Ophthalmol Soc UK 89:959-62, 1970

PHYSIOPATHOLOGY

Studies on experimental ocular toxoplasmosis in the rabbit. II. Attempts to stimulate recurrences by local trauma, epinephrine, and corticosteroids. Nozik RA, et al. Arch Ophthalmol 84:788-91, Dec 70

PREVENTION & CONTROL

Prophylactic treatment of recurrent attacks of uveitis due to I. toxoplasmosis and 2. streptococci. Linton RG. Trans Aust Coll Ophthalmol 1:88-9, 1969

THERAPY

[Photocoagulation in macular holes] Nano HM, et al. Arch Oftalmol B Aires 45:153-5, Apr 70 (Spa)

TPN see NADP (D9)

TRABECULAR MESHWORK see under CILIARY

BODY (A9)

TRACE ELEMENTS (D1)

Cardiovascular mortality in relation to radioactivity and hardness of local water supplies in the USA. Mastroni R. Bull WHO 43:687-97, 1970
The role of trace metals in chemical carcinogenesis: asbestos cancers. Dixon JR, et al. Cancer Res 30:1068-74, Apr 70
Trace elements and caries. Losee FL, et al. J Dent Res 49:1229-36, Nov-Dec 70 (50 ref.)
Trace element removals in advanced wastewater treatment processes. Linstedt KD, et al. J Water Pollut Control Fed 43:1507-13, Jul 71
Current concepts on trace minerals. Clinical considerations. Sandstead HH, et al. Med Clin North Am 54:1509-31, Nov 70 (100 ref.)
Nutritional trace element research. Nutr Rev 29:90-3, Apr 71 (4 ref.)
A study of the covariation of dental caries prevalence and multiple trace element content of water supplies. Adkins BL, et al. NY State Dent J 36:618-22, Dec 70
Problems in the determination of the trace element requirements of animals. Mills CF, et al. Proc Nutr Soc 30:83-91, May 71
[Trace elements in the treatment of dysmenorrhea] Méli-Fournial A. Bull Fed Soc Gynecol Obstet Lang Fr 20:432-3, Nov-Dec 68 (Fre)
[Trace elements and dental caries] Le Moan G. Rev Fr Odontostomatol 17:809-16, Jun-Jul 70 (Fre)
[Trace elements in food. I. Zinc] Schlettwein-Gsell D, et al. Int Z Vitaminforsch 40:659-72, 1970 (42 ref.) (Ger)
[Trace elements in food. II. Cobalt] Schlettwein-Gsell D, et al. Int Z Vitaminforsch 40:673-83, 1970 (32 ref.) (Ger)
[The importance of minerals and trace elements for the fertility of cattle] Wiesner E. Monatsh Vet Med 24:349-55, 1 May 69 (Ger)
[Biological importance of trace elements] Sofia F, et al. Ann Sanita Pubblica 31:183-96, Mar-Apr 70 (Ita)
[Binding of trace quantities of some elements by malignant tumor nucleic acids] Andronikashvili EL, et al. Dokl Akad Nauk SSSR 195:979-82, 1970 (Rus)
[Reactions of the organism to cooling with different contents of microelements in the diet] Kolomiitseva MG, et al. Gig Sanit 35:32-6, Sep 70 (Rus)
[Use of trace elements in animal feeding in Kazakhstan] Bafturin MA. Veterinariia 7:25-8, Jul 70 (Rus)
[Effect of trace elements (iron, copper, nickel, zinc) on the pantothenic acid requirements of animals] Kirpichev MP. Vopr Pitan 29:15-7, Jul-Aug 70 (Rus)
[Relation of the status of some functions of nonspecific immunobiological reactivity of the animal organism to the supply of trace elements in the food ration] Pakhomov IuN. Vopr Pitan 29:87-8, Nov-Dec 70 (Rus)
[Significance of trace elements in food for phosphorus-calcium metabolism] Vorob'eva AM. Vopr Pitan 29:94-6, Sep-Oct 70 (Rus)

ADVERSE EFFECTS

Carcinoma of the maxillary antrum and its relationship to trace metal content of snuff. Baumslag N, et al. Arch Environ Health 23:1-5, Jul 71

ANALYSIS

Trace elements in the human endometrium. I. Zinc, copper, manganese, sodium and potassium concentrations at various phases of the normal menstrual cycle. Hagenfeldt K, et al. Acta Endocrinol (Kbh) 65:541-51, Nov 70
Losses of vitamins and trace minerals resulting from processing and preservation of foods. Schroeder HA. Am J Clin Nutr 24:562-73, May 71
Hair trace metal levels and environmental exposure. Hammer DI, et al. Am J Epidemiol 93:84-92, Feb 71
Use of anion exchange resin-loaded paper in the determination of trace mercury in water by neutron activation analysis. Becknell DE, et al. Anal Chem 43:1230-3, Aug 71
Determination of trace amounts of contaminants in water by isotope dilution gas chromatography. Wasik SP, et al. Anal Chem 42:1649-51, Nov 70
Non-homogeneous but parallel distribution of essential trace elements in multiple adjacent samples of single livers, measured by neutron activation analysis. Schicha H, et al. Beitr Pathol 141:227-32, 1970
Trace mineral composition of heavily fertilized grass in relation to A.R.C. standards for the requirements of dairy cows. Mudd AJ. Br Vet J 126:38-44, Jan 70
The distribution of trace metal ions in bone and tendon. Spadaro JA, et al. Calcif Tissue Res 6:49-54, 1970
Trace-element analysis in clinical chemistry. Schroeder HA, et al. Clin Chem 17:461-74, Jun 71 (51 ref.)
The determination of trace elements in human fingernails by atomic absorption spectroscopy. Harrison WW, et al. Clin Chim Acta 31:63-73, Jan 71
Concentration of trace elements in environmental water samples with a centrifugal contactor. Milham RC, et al. Health Phys 20:91-3, Jan 71
Studies on major and trace element content in human tissues. Soman SD, et al. Health Phys 19:641-56, Nov 70
Trace minerals in type A school lunches. Murphy EW, et al. J Am Diet Assoc 58:115-22, Feb 71
Trace metal composition of synovial fluid and blood serum of patients with rheumatoid arthritis. Niedermeier W, et al. J Chronic Dis 23:527-36, Jan 71
Cadmium, copper, iron, lead, manganese, and zinc in evaporated milk, infant products, and human milk. Murthy GK, et al. J Dairy Sci 54:1001-5, Jul 71
Emission spectrochemical analysis of submilligram samples. Harvey CE. J Forensic Sci 13:269-78, Apr 68
Trace-metal analysis of cancerous and noncancerous human tissues. Mulay IL, et al. J Natl Cancer Inst 47:1-13, Jul 71
A study of trace metals in fingernails and hair using neutron activation analysis. Mahler DJ, et al. J Nucl Med 11:739-42, Dec 70
Application of an electrochemical preconcentration technique to neutron activation analysis of trace metal ions. Mark HBJr. J Pharm Belg 25:367-99, Sep-Oct 70
Analysis of trace elements in seaweed. Lunde G. J Sci Food Agric 21:416-8, Aug 70
Activation analysis of the biological trace elements. Leddicotte GW. Methods Biochem Anal 19:345-434, 1971 (999 ref.)
Zinc in hair as a measure of zinc nutriture in human beings. Nutr Rev 28:209-11, Aug 70
[Concentration of trace-elements in kidneys of hypertensive patients determined by neutron activation analysis] Karlíček V, et al. Cas Lek Cesk 110:756-61, 1971 (Cze)
[Comparative studies on the concentration of various trace elements in specific areas of the human brain using neutron activation analysis] Henke G, et al. Z Neurol 199:283-94, 1971 (Ger)
[Comparative studies of the number and amount of trace elements of the normal prostate, prostate adenoma and prostate carcinoma] Hienzsch E, et al. Z Urol Nephrol 63:543-6, Jul 70 (Ger)
[Oral cancer and trace elements in drinking water] Ivánkievicz D, et al. Fogorv Sz 63:321-5, Nov 70 (Hun)
[Chemical analysis of rat teeth for the detection of orally administered trace elements] Grippaudo G, et al. Ann Stomatol (Roma) 19:849-54, Dec 70 (Ita)
[Content of some trace elements in the maternal organism and ovum at early stage of pregnancy] Lisitsa GP. Akush Ginekol (Mosk) 46:44-8, May 70 (Rus)
[Content of Cu, Zn, Co and Mn in the body surgeon parasites] Andreev VV, et al. Dokl Akad Nauk SSSR 196:486-8, 11 Jan 71 (Rus)
[Hygienic assessment of the trace elements in drinking water obtained by partial desalination] Nikolaeva TA, et al. Gig Sanit 35:11-4, Nov 70 (Rus)
[Dental caries among the population of the Chernovits region in relation to the effect of microelements] Suchkov BP, et al. Gig Sanit 36:91-3, 1971 (Rus)
[Spectral determination of the relative quantity of microelements in quail and hen eggs] Zoré VA, et al. Gig Sanit 35:57-9, Jun 70 (Rus)
[Level of the trace elements copper, manganese, silicon, aluminum and magnesium in the colostrum, intermediate and mature milk of mothers of full-term and premature newborn infants] Unanian GS. Zh Eksp Klin Med 7:96-8, 1967 (Rus)
[Content of microelements in blood and placental tissue in normal pregnancy and abortion] Fogel PI. Pediatr Akush Ginekol 2:33-7, 1971 (Ukr)

BLOOD

The effect of chrysotherapy on trace metals in patients with rheumatoid arthritis. Niedermeier W, et al. Arthritis Rheum 14:533-8, Jul-Aug 71
Vacutainer contamination in trace-elements studies. Helman EZ, et al. Clin Chem 17:81-2, Jan 71
[Level of trace elements in the blood of patients with acute odontogenic periostitis of the jaws] Zanger AE, et al. Stomatologiia (Mosk) 50:80-2, May-Jun 71 (Rus)
[Microelement composition of blood at different periods after death and with different causes of death] Izaev IuS, et al. Sud Med Ekspert 14:14-8, Jan-Mar 71 (Rus)
[Dynamics of the trace element content of the blood in patients with stenocardia and myocardial infarct at various stages of the disease] Rafalovich MB, et al. Ter Arkh 42:76-80, Apr 70 (Rus)
[Blood levels of several microelements in patients with psoriasis] Miliutin IuIa, et al. Vestn Dermatol Venerol 45:34-9, Feb 71 (Rus)
[Comparative assessment of the level of certain trace elements in the blood in patients with pemphigus acantholyticus and Duhring's dermatitis herpetiformis] Torsuev NA, et al. Vestn Dermatol Venerol 44:25-8, Mar 70 (Rus)
[Trace element content of the blood in patients with acute cholecystitis undergoing surgery] Kovalev MM, et al. Vestn Khir 105:53-6, Aug 70 (Rus)
[Effect of health resort therapy on the content of some trace elements in the serum and whole blood in patients with residual manifestations of epidemic hepatitis] Malikova TA. Vopr Kurortol Fizioter Lech Fiz Kult 35:212-7, May-Jun 70 (Rus)
[The trace elements Mg, Al, Si, Cu and Mn in the blood of full-term and premature newborns] Unanian GS. Zh Eksp Klin Med 7:90-4, 1967 (Rus)
[Quantitative determination of microelements in the blood and cerebrospinal fluid by the emissive spectral analysis method] Kazakov SB, et al. Farm Zh 26:53-6, Jan-Feb 71 (Ukr)
[The content of some trace elements in the blood of children in infectious hepatitis] Trishkova LA. Pediatr Akush Ginekol 4:24-6, Jul-Aug 68 (Ukr)

CEREBROSPINAL FLUID

[Quantitative determination of microelements in the blood and cerebrospinal fluid by the emissive spectral analysis method] Kazakov SB, et al. Farm Zh 26:53-6, Jan-Feb 71 (Ukr)

METABOLISM

Cadmium as a trace element and cadmium binding components in human cells. Lucis OJ, et al. Experientia 26:1100-10, 15 Oct 70
Trace elements in the metabolism of connective tissue. Introductory remarks. Hoekstra WG. Fed Proc 30:983, May-Jun 71
Implications of tract metals in human diseases. McCall JT, et al. Fed Proc 30:1011-5, May-Jun 71
The effects of trace elements on human and animal health. Selby LA, et al. J Am Vet Med Assoc 157:1800-8, 1 Dec 70 (58 ref.)
[The role of trace elements in the appearance of senile cataracts] Aposkitis C. Ann Ocul (Paris) 203:925-30, Oct 70 (Fre)
[Excretion of trace elements in cattle at different environmental temperatures] Kirchgessner M, et al. Z Tierphysiol 25:9-12, Mar 69 (Ger)
[Activity of serum lysoxyme in various levels of trace elements in feed] Pakhomov IuN. Biull Eksp Biol Med 69:63-4, Mar 70 (Rus)
[Absorption of trace elements (cobalt, copper, manganese and zinc) from the intestines] Faĭtel'berg RO, et al. Fiziol Zh SSSR 57:1058-66, Jul 71 (Rus)
[Effect of trace element (Cu, Mo, Mn) deficiency in the diet on the state of the water-electrolyte balance] Kazakov AM. Gig Sanit 35:19-22, Dec 70 (Rus)
[Level of trace elements in the lungs of miners with pneumoconiosis] Efimova NS, et al. Gig Tr Prof Zabol 14:25-8, Dec 70 (Rus)
[Introduction and excretion of several microelements in premature infants] Tkachenko SK. Pediatriia 49:10-4, Oct 70 (Rus)
[Certain compensatory mechanisms of trace element metabolic disorder under pathological conditions] Bala IuM, et al. Ter Arkh 42:81-4, Apr 70 (Rus)
[Effect of the trace element composition of meals on the activity of certain enzymes of bone tissue in

experimental animals] Kolomiftseva MG, et al.
Vopr Pitan 29:57-62, Mar-Apr 70 (Rus)

PHARMACODYNAMICS

The role of microelements on the accumulation of proteins and some vitamins in yeast cells. Peciulis J, et al. Antonie van Leeuwenhoek 35:Suppl:G13, Jun 69
Effect of trace elements on citric acid fermentation by Aspergillus niger. Sánchez-Marroquín A, et al.
Appl Microbiol 20:888-92, Dec 70
[Evaluation of various trace elements in comparison to fluorine] Plathner CH, et al.
Dtsch Stomatol 21:142-6, Feb 71 (Ger)
[Trace element sensitivity of streptomycetes] Kölblin R, et al.
Zentralbl Bakteriol [Naturwiss] 124:662-72, 1970 (Ger)
[Effect of some trace elements on amino acid composition of Klebsiella rhinoscleromatis] Kazatkina AP, et al. Mikrobiol Zh 33:18-22, 1971 (Ukr)
[Effect of trace elements on the amino-acidic composition of Klebsiella pneumoniae] Petrus VS, et al. Mikrobiol Zh 32:693-700, Nov-Dec 70 (Ukr)

THERAPEUTIC USE

[Therapy of simple omasal dysfunctions in ruminants] Slanina L.
Dtsch Tieraerztl Wochenschr 77:1-5, 1 Jan 70 (Ger)
[Vanadium metabolism following supplementary administration of several microelements in experimental atherosclerosis] Babenko GA, et al.
Biull Eksp Biol Med 67:72-4, Jun 69 (Rus)

TOXICITY

Toxic effects of trace elements on the reproduction of mice and rats. Schroeder HA, et al.
Arch Environ Health 23:102-6, Aug 71

TRACERS see under RADIOISOTOPES (D1)

TRACHEA (A4)

see also related
ANESTHESIA, INTRATRACHEAL (E3)
INTUBATION, INTRATRACHEAL (E3, E4)

Transtracheal aspiration. Fiester RF.
Ann Intern Med 73:856, Nov 70
Studies on new virus isolates recovered in tracheal organ culture. McIntosh K, et al.
Ann NY Acad Sci 174:983-9, 30 Oct 70
Repeated aspiration of multiple hypodermic needles. Kantu K, et al. Arch Otolaryngol 92:286-7, Sep 70
The pressures exerted on the trachea by endotracheal inflatable cuffs. Knowlson GT, et al.
Br J Anaesth 42:834-7, Oct 70
Pressures of tracheostomy cuffs in ventilated patients. Nealon TF Jr, et al.
NY State J Med 71:1923-5, 15 Aug 71
Acute foreign body laryngo-tracheal obstruction: a cause for sudden and unexpected death in children. Steichen FM, et al. Pediatrics 48:281-5, Aug 71
Mycoplasma pneumoniae in hamster tracheal organ culture: immunofluorescent and electron microscopic studies. Collier AM, et al.
Proc Soc Exp Biol Med 136:569-73, Feb 71
[Tracheal and bronchial electrocardiographic derivations in cardiopulmonary resuscitation] Bernard R, et al.
Acta Cardiol (Brux) 25:396-403, 1970 (Fre)
[Extraction of foreign bodies of long standing] Stefanovic P, et al.
Ann Otolaryngol Chir Cervicofac 87:698-700, Oct-Nov 70 (Fre)
[Procedure of extraction of foreign bodies from the esophagus and airways] Triglianos A.
Ann Otolaryngol Chir Cervicofac 87:687-8, Oct-Nov 70 (Fre)
[Tracheal stenosis in children. Tracheoscopic technics in young children] Thal W, et al.
Bronches 20:429-32, Nov-Dec 70 (Fre)
[Tracheobronchial foreign body aspiration in childhood] Beuchat PX.
Praxis 59:1386-91, 6 Oct 70 (Ger)
[Changes in vital functions of rabbits in repeated milk aspiration] Havel V, et al.
Z Rechtsmed 68:195-203, 1971 (Ger)
[Foreign bodies in the tracheo-bronchial tree in childhood. (Case reports)] Ciardini A, et al.
Acta Anaesthesiol (Padova) 20:Suppl 2:91+, 1969 (Ita)
[Tracheo-bronchial foreign bodies in children. Criteria for choice of the bronchoscopic technic (direct peroral or tracheostomic) and anesthesia problems] Pisanelli G, et al.
Minerva Anestesiol 36:355-64, Jun 70 (Ita)
[Arteriography in systemic hypotension induced by increase in endotracheal pressure] Juliani G, et al.
Minerva Radiol 14:122-32, Mar-Apr 69 (Ita)
[Effective method of preoperative care of the tracheobronchial tree in patients with chronic lung suppuration] Galkin RA.
Grudn Khir 12:79-81, Sep-Oct 70 (Rus)
[Foreign bodies of the upper respiratory tract in children] Palekha NI.
Zh Ushn Nos Gorl Bolezn 31:92-3, May-Jun 71 (Rus)

ABNORMALITIES

Tracheoesophageal fistula associated with tracheal atresia and malformation of the larynx. Pelson B, et al.
J Pediatr Surg 5:464-7, Aug 70
[Tracheal bronchi] Féofilov GL, et al.
Bronches 20:274-83, Jul-Aug 70 (Fre)
[Bronchological changes in cases of children admitted with diagnosed bronchial asthma] Halász S, et al.
Bronches 19:328-38, May-Jun 69 (Fre)
[Tracheobronchomegaly] Nagy M, et al.
Z Erkr Atmungsorgane 132:195-8, 1970 (Ger)
[Primary and secondary tracheomegaly. Case report] Simeone L. Radiol Med (Torino) 56:490-8, Jun 70 (Ita)
[Tracheobronchomegaly in a 14-year-old child] Majewska-Zalewska H, et al.
Gruzlica 38:900-2, Sep 70 (Pol)
[Intratracheolaryngeal goiter] Revo VV.
Vestn Otorinolaringol 32:105-6, Jul-Aug 70 (Rus)

ANALYSIS

Ultrahistochemical demonstration of the glycocalyx on the surface of tracheal epithelium by means of the colloidal iron method. Meyer C, et al.
Acta Histochem (Jena) 39:176-8, 1971
Protein-polysaccharide complexes from adult human tracheal cartilage. Mason RM.
Biochem J 119:599-601, Sep 70
The glycosaminoglycans of human tracheobronchial cartilage. Mason RM, et al.
Biochem J 120:777-85, Dec 70
[Studies of the structural stability of the tracheobronchial mucus] Velican D, et al.
Stud Cercet Med Interna 12:171-8, 1971 (Rum)

ANATOMY & HISTOLOGY

Morphologic and microbiologic features of trachea and lungs in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:115-29, Jan 71
Mucous glands of the trachea in children. Quantitative studies. Tos M. Anat Anz 126:146-60, 1970
[Technical notes for the use in biology of the scanning electron microscope] Clementi F, et al.
Boll Soc Ital Biol Sper 45:644-6, 31 May 69 (Ita)
[Age characteristics of mucous membrane of the larynx and trachea in children] Baftiakov VV.
Vestn Otorinolaringol 32:43-6, Sep 70 (Rus)

BLOOD SUPPLY

[Experimental studies on the over bridging of large defects in the tracheal-broncheal system] Bikfalvi A.
Langenbecks Arch Chir 322:913-8, 1968 (Ger)

CYTOLOGY

Ultrahistochemical demonstration of the glycocalyx on the surface of tracheal epithelium by means of the colloidal iron method. Meyer C, et al.
Acta Histochem (Jena) 39:176-8, 1971
Morphological changes in canine trachea after freezing. Thomford NR, et al. Cryobiology 7:19-26, Jul-Aug 70
The ultrastructure of tracheal epithelium in the fowl. Purcell DA. Res Vet Sci 12:327-9, Jul 71
Fine structure of ciliary basal body complex in the tracheal epithelium of human fetus. Ueki H.
Yokohama Med Bull 20:91-103, Aug 69
[Quantitative studies of cup cells in the human trachea] Eliefsen P, et al. Nord Med 85:221-2, 18 Feb 71 (Dan)
[Histochemical studies on tracheal mucosa in guinea pigs following medicamentous stimulation of secretion] Arold R, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:307-17, 1971 (Ger)
[Cytophotometry of the tracheal mucosa and of DENA-induced papillomata of the Syrian golden hamster. (Quantitative studies of dedifferentiation)] Tasca C, et al. Z Krebsforsch 74:355-67, 1970 (Ger)

DRUG EFFECTS

Studies of mucus flow in the mammalian respiratory tract. II. The effects of serotonin and related compounds on respiratory tract mucus flow. Dadaian JH, et al. Am Rev Resp Dis 103:806-15, Jun 71
Studies of mucus flow in the mammalian respiratory tract. I. The beneficial effects of acetyl ouabain on respiratory tract mucus flow. Laurenzi GA, et al.
Am Rev Resp Dis 103:800-7, Jun 71
Dissociation of tracheobronchial and cardiac effects of some beta-adrenergic stimulants. Hinds L, et al.
Anesthesiology 34:445-9, May 71
Causes of damage to tissues by polymers and elastomers used in the fabrication of tracheal devices. Stetson JB, et al.
Anesthesiology 33:635-52, Dec 70 (91 ref.)
An experimental approach to study the toxicity of nonparticulate air pollutants. I. Rationale and methods. Nasr AN, et al.
Arch Environ Health 22:538-44, May 71
An experimental approach to study the toxicity of nonparticulate air pollutants. II. Effect of ozone inhalation on nadide phosphate levels in tracheal mucosa. Nasr AN, et al.
Arch Environ Health 22:545-50, May 71
The influence of initial tension on the reactivity of guinea-pig tracheal preparations to histamine. Ushinski SC, et al.
Arch Int Pharmacodyn Ther 190:61-6, Mar 71
Effect of different aldehydes on tracheal mucosa. Dalhamn T, et al. Arch Otolaryngol 93:496-500, May 71
Oxygen impairment of tracheal mucus flow; effect of catecholamines and digitalis. Laurenzi GA.
Int Z Klin Pharmakol Ther Toxikol 4:433-8, Jun 71
The inducement of tone and its inhibition in isolated tracheal muscle. Coleman RA, et al.
J Pharm Pharmacol 23:220-2, Mar 71
[Mechanism of action of oxyfedrin] Habersang S. Naunyn Schmiedebergs Arch Pharmakol 266:344-5, 1970 (Ger)

EMBRYOLOGY

Transfer of radioactive iodopyracet (131-I-Diodrast) from the fetus into amniotic fluid after tracheal ligation. Reynolds WA, et al.
Am J Obstet Gynecol 110:566-71, 15 Jun 71
Mammalian lung development: interactions in formation and morphogenesis of tracheal buds. Wessells NK. J Exp Zool 175:455-66, Dec 70

ENZYMOLOGY

Regulation of L-glutamine:D-fructose-6-phosphate aminotransferase activity in bovine trachea. Ellis DB, et al. Biochim Biophys Acta 230:531-4, 1971
Isolation of enzymatically active nuclei from epithelial cells of the trachea. Smith JM, et al.
Cancer Res 31:199-202, Feb 71
Multiglycosyltransferase system of canine respiratory tissue. Uridine diphosphate galactose: mucin galactosyltransferase. Baker AP, et al.
J Biol Chem 246:4358-62, 10 Jul 71
[Histochemical localization of dehydrogenase activities in the different types of caliciform cells in the rat] Gerebtzoff MA, et al.
C R Soc Biol (Paris) 164:1147-9, 1970 (Fre)
[Histochemical studies on the stimulation of secretion of the tracheal mucous membrane of guinea pigs] Arold R, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:332-7, 1970 (Ger)

GROWTH & DEVELOPMENT

[Post-embryonic development of tracheal system of Diptera Calliphoridea. Value of its study in organ culture] Pihan JC.
Annee Biol 9:555-61, Jul-Oct 70 (Fre)
[Cell proliferation and differentiation in the tracheal epithelium of the rat] Bindreiter M, et al.
Exp Cell Res 50:377-82, May 68 (Ger)

IMMUNOLOGY

Trachea-specific antigens in normal and malignant human tissues. Rose NR, et al.
Clin Exp Immunol 7:355-64, Sep 70
Studies on the secretory immunologic system of fowl. I. Presence of immunoglobulins in chicken secretions. Leslie GA, et al. J Immunol 106:1441-6, Jun 71
Neutralizing antibody in the respiratory tract of chickens inoculated with Newcastle disease vaccines. Yoshida I, et al.
Natl Inst Anim Health Q (Tokyo) 11:75-82, Summer 71
[Study of serum and secretory tracheo-bronchial immunoglobulins] Turgeon P, et al.
Union Med Can 100:232-9, Feb 71 (Fre)

INJURIES

Traumatic injury to the larynx and trachea. Seed RF.
Anaesthesia 26:55-65, Jan 71
A new low-pressure cuff for endotracheal tubes. Kamen JM, et al. Anesthesiology 34:482-5, May 71
Laryngotracheal trauma in combat casualties. Miller LH. Ann Otol Rhinol Laryngol 79:1068-90, Dec 70
Injuries of the trachea and bronchi. Ecker RR, et al.
Ann Thorac Surg 11:289-98, Apr 71
Tracheal rupture, complication of cuffed endotracheal tube. Törnvall SS, et al. Chest 59:237-9, Feb 71
Reappraisal of tracheal injury from cuffed tracheostomy tubes. Experiments in dogs. Bryant LR, et al. JAMA 215:625-8, 25 Jan 71
Acute injuries of the larynx and trachea in 49 patients. (Observations over a 15-year period). Harris HH, et al.
Laryngoscope 80:1376-84, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Injuries to the larynx and trachea. Automobile crash. Buran DJ. Minn Med 53:995-6, Sep 70
Injuries of the trachea and major bronchi. Payne WS, et al. Postgrad Med 49:152-8, May 71
Endotracheal intubation and injury to the tracheal epithelium in the pig. Done SH. Res Vet Sci 12:91-2, Jan 71
[A patient with cervical trachea rupture] Bender J. Ned Tijdschr Geneeskd 115:1151-5, 3 Jul 71 (Dut)
[Flail chest, rupture of the trachea and tear of the middle lobe. Thoracotomy 2 hours later. Recovery] Latreille R, et al. Ann Chir Thorac Cardiovasc 10:219-21, 1971 (Fre)
[Traumatic ruptures of the trachea and bronchi. Experience in 7 cases] Couraud L, et al. Bord Med 3:2867-8 passim, Dec 70 (Fre)
[Caustic burns of the trachea] Seidner W, et al. Bronches 20:258-62, Jul-Aug 70 (Fre)
[Post-traumatic tracheal and bronchial rupture. Therapeutic indications apropos of experience in 7 cases] Couraud L, et al. Presse Med 78:1823-6, 10 Oct 70 (Fre)
[Therapy of tracheal and rare pulmonary injuries in childhood] Schostok P. Langenbecks Arch Chir 322:1261-7, 1968 (Ger)
[Management of compression stenosis after traumatic tracheal wall defect] Kornmesser HJ. Z Laryngol Rhinol Otol 49:682-90, Oct 70 (Ger)
[Morphology of tracheal lesions after long term intubation and tracheotomy] Rückert U, et al. Zentralbl Allg Pathol 113:415-23, 1970 (Ger)
[Our experience with thoracic injuries] Varola F, et al. Minerva Chir 25:1174-97, 15 Sep 70 (Ita)
[Functional reconstruction of fractured intrathoracic crachea] Sandri L, et al. Otorinolaringol Ital 37:375-87, Aug 69 (Ita)
[Closed thoracic injury with injury to the trachea] Kozlov MA. Vestn Khir 105:113-5, Oct 70 (Rus)
[Clinical aspects and treatment of extensive defects of the larynx, trachea and adjacent organs] Iunina AI. Vestn Otorinolaringol 32:67-73, Jul-Aug 70 (Rus)
[Detachment of the trachea from the larynx with tearing of the esophagus in closed neck injury] Cinotti V, et al. Acta Med Iugosl 24:373-6, 1970 (Cro)

INNERVATION

[Electron microscopic studies on the innervation muscles of the esophagus, trachea and bronchus of the guinea pig] Nakamori S. J Otolaryngol Jap 74:1040-5, 1971 (Jap)
[Respiratory center response to reflex action] Marshak ME, et al. Biull Eksp Biol Med 63:38-42, Nov 67 (Rus)

METABOLISM

Effect of hypoxia on energy and calcium metabolism in airway smooth muscle. Kroeger E, et al. Am J Physiol 220:1199-204, May 71
Glycoprotein synthesis by the trachea. Yeager H Jr, et al. Am Rev Resp Dis 103:188-97, Feb 71

MICROBIOLOGY

Morphologic and microbiologic features of trachea and lungs in germfree, defined-flora, conventional, and chronic respiratory disease-affected rats. Giddens WE Jr, et al. Am J Vet Res 32:115-29, Jan 71
Viral and mycoplasmal infections in minor respiratory illnesses and nonstreptococcal pharyngitis. A search for coronaviruses using fetal trachea organ cultures. Schaaff DM, et al. Am Rev Resp Dis 104:41-51, Jul 71
Hog cholera virus infection in tracheal organ cultures. Mengeling WL, et al. Arch Gesamte Virusforsch 32:359-64, 1970
Pasteurella haemolytica in the tracheal air of calves. Grey CL, et al. Can J Comp Med 35:121-8, Apr 71
Growth and cytopathogenicity of mycoplasma in human and chicken trachea explants. Butler M, et al. J Comp Pathol 81:359-64, Jul 71
Studies on a rhinovirus (EC11) derived from a calf. I. Isolation in calf tracheal organ cultures and characterization of the virus. Reed SE, et al. J Comp Pathol 81:33-40, Jan 71
Multiplication of Mycoplasma gallisepticum and Newcastle disease virus B1 strain in the respiratory tract of chickens. Nonomura I, et al. Nati Inst Anim Health Q (Tokyo) 11:1-10, Spring 71
[Clinical evaluation of microflora of the larynx and trachea in tracheotomized patients] Revo VV. Zh Ushn Nos Gorl Bolezn 31:59-61, May-Jun 71 (Rus)

PATHOLOGY

Synergistic effect in viral-bacterial infection. 3. Histopathological changes in the trachea of mice following viral and bacterial infection. Degré M, et al. Acta Pathol Microbiol Scand [B] 79:129-36, 1971
Squamous epithelium in respiratory tract of children with tracheo-oesophageal fistula. Emery JL, et al. Arch Dis Child 46:236-42, Jun 71
Langerhans cells in epidermoid metaplasia. Wong YC, et al. J Invest Dermatol 56:10-7, Jan 71
An electron-microscope study of the trachea of the fowl infected with avian infectious bronchitis virus. Uppal PK, et al. J Med Microbiol 3:643-7, Nov 70
[Damage in the respiratory tract following long-term intubation and tracheotomy in adults with special consideration to morphological changes] Hegendörfer U, et al. Anaesthesist 19:460-8, Dec 70 (Ger)
[Cytophotometry of the tracheal mucosa and of DENA-induced papillomata of the Syrian golden hamster. (Quantitative studies of dedifferentiation)] Tasca C, et al. Z Krebsforsch 74:355-67, 1970 (Ger)
[Synchrondrosis of the laryngotracheal skeleton and tracheostenosis in the Apert-Crouzon syndrome] Schmid H. Zentralbl Allg Pathol 114:326-37, 1971 (Ger)
[Tracheobronchial epithelium alterations in tracheotomized patients using automatic respirators] Gianasi GC, et al. Minerva Anestesiol 37:174-9, Apr 71 (Ita)
[Ultrastructural changes in experimentally induced tracheal inflammation] Dahlgren SE, et al. Nord Med 85:481, 15 Apr 71 (Swe)

PHYSIOLOGY

Series elastic component of tracheal smooth muscle. Stephens NL, et al. Am J Physiol 220:1890-5, Jun 71
Deposition and clearance of 2 micron particles in the tracheobronchial tree of normal subjects--smokers and nonsmokers. Lourenço RV, et al. J Clin Invest 50:1411-20, Jul 71
Interaction of reflexes from chemo- and pulmonary stretch receptors in control of airway calibre. Stein JF, et al. J Physiol (Lond) 216:33P-34P, Jul 71
Electron microscopical observations on the function of the tracheal epithelium, with special reference to ciliated cells. Nakai Y, et al. Pract Otorhinolaryngol (Basel) 32:202-10, 1970

PHYSIOPATHOLOGY

Long-term smoking in th donkey. Effect on tracheobronchial particle clearance. Albert RE, et al. Arch Environ Health 22:12-9, Jan 71
Methods of investigation of the mechanics of breathing in the artificially ventilated newborn. Geubelle F, et al. Biol Neonate 16:35-46, 1970
Tracheo-bronchial collapsibility, an in-vivo and ex-vivo study. Bryant LR, et al. Respiration 27:74-85, 1970
[Pathophysiology of stenoses of larynx and trachea] Minnigerode B. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 199:65-111, 1971 (Ger)
[Comparative assessment of roentgenological methods of studying tracheal and broncheal mobility] Varnovitskif GI, et al. Vestn Rentgenol Radiol 45:54-6, May-Jun 70 (Rus)

RADIATION EFFECTS

Effects of therapeutic proton doses on healthy organs in the neck, chest and upper abdomen of the rabbit. Danielsson M, et al. Acta Radiol [Ther] (Stockh) 10:215-24, Apr 71

RADIOGRAPHY

The roentgenographic determination of tracheal mucociliary transport rate in the rat. Berke HL, et al. Am Ind Hyg Assoc J 32:174-8, Mar 71
The radiographic appearance of the tracheobronchial tree as an indicator of visceral situs. Van Mierop LH, et al. Am J Cardiol 26:432-5, Oct 70
Anterior tracheal indentation in infancy and early childhood: normal or abnormal? Swischuk LE. Am J Roentgenol Radium Ther Nucl Med 112:12-7, May 71
Frontal inclined plane tomography using basic linear tomographic equipment. Pinnock R. Radiography 37:211-3, Sep 71
[Long-term follow-up (1 to 4 years) by dynamic tracheography of extensive tracheal resections for stenosis or tumor] Kreitmann P, et al. Ann Chir Thorac Cardiovasc 10:315-9, Jul 71 (Fre)
[A new method for tracheo-bronchial system radiography. First report on an animal experimental study] Parrisius GS, et al. Klin Wochenschr 49:288-9, 1 Mar 71 (Ger)
[Tracheobronchial tomograms with representation of the entire bronchial tree by the use of compensating absorbers] Solger N. Radiol Diagn (Berl) 11:755-63, 1970 (Ger)
[Tomography of the trachea, main and lobar bronchi] Fisher EF, et al. Grudn Khir 12:86-90, Sep-Oct 70 (Rus)
[Anesthesiologic aspects of contrast tracheography in patients with diseases of the mediastinal trachea] Kravchenko EP. Vestn Khir 105:89-92, Oct 70 (Rus)

SECRETION

Tracheobronchial secretions. Yeager H Jr. Am J Med 50:493-509, Apr 71 (218 ref.)
Cigarette smoke and tracheal mucus transport rate. Isolation of effect of components of smoke. Weissbecker L, et al. Am Rev Resp Dis 104:182-7, Aug 71
Mucous secretion in hypersecretory states. Lamb D. Bronches 18:453-65, Nov-Dec 68
Immunoglobulins in respiratory secretions obtained from the canine tracheal pouch. Lieberman P, et al. Proc Soc Exp Biol Med 135:713-6, Dec 70
[Histochemical studies on the stimulation of secretion of the tracheal mucous membrane of guinea pigs] Arold R, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:332-7, 1970 (Ger)

SURGERY

Experimental tracheal reconstruction with composite graft from nasal septum. Drettner B, et al. Acta Otolaryngol (Stockh) 70:401-7, Nov-Dec 70
A method for securing the airway during operations on the pharynx and trachea. Birkinshaw K. Anaesthesia 26:84-5, Jan 71
Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. Calcaterra TC, et al. Arch Otolaryngol 94:124-8, Aug 71
Prevention of tracheal graft stenosis with steroids. Miglets AW Jr. Arch Otolaryngol 93:492-5, May 71
One-stage correction of subglottic stenosis. Morrow RC, et al. Eye Ear Nose Throat Mon 49:119-24, Mar 70
Four years experience with the Asai technique for vocal rehabilitation for the laryngectomized patient. Miller AH. J Laryngol Otol 85:567-76, Jun 71
Conservative laryngeal surgery. Ogura J. J Otolaryngol Soc Aust 3:140-52, Mar 71
Prosthetic tracheal replacement. Borrie J, et al. J Thorac Cardiovasc Surg 60:829-35, Dec 70
Free and pedicle muscle grafts in thoracic surgery. Demos NJ, et al. NY State J Med 71:1928-30, 15 Aug 71
Vocal rehabilitation after total laryngectomy. The Asai procedure. Miglets AW Jr. Ohio State Med J 66:911-5, Sep 70
Replacement of a tracheal defect in the dog by a preformed composite graft. A preliminary report. Farmer AW, et al. Plast Reconstr Surg 47:282-8, Mar 71
Stricture formation after end-to-end trachea repair in goats. Thompson DH, et al. S Afr J Surg 8:37-9, 1970
One-stage operation for vocal rehabilitation at laryngectomy. McGrail JS, et al. Trans Am Acad Ophthalmol Otolaryngol 75:510-2, May-Jun 71
[Plastic surgery on the trachea and bronchi] Zenker R, et al. Cas Lek Cesk 110:656-62, 16 Jul 71 (Cze)
[Experimental trials with the substitution of the resected trachea by homotransplant and plastic prosthesis] Uchytil B, et al. Cesk Otolaryngol 20:64-70, Apr 71 (Cze)
[Reconstructive surgery of the trachea and bronchi] Otter G den. Ned Tijdschr Geneeskd 115:1329-31, 7 Aug 71 (Dut)
[Extensive resection of the trachea due to cancer. Apropos of 3 cases of tracheo-laryngectomy] Dor P. Acta Chir Belg 69:258-66, Apr 70 (Fre)
[Present-day experience in tracheal surgery] Mathey J, et al. Acta Chir Belg 69:235-50, Apr 70 (Fre)
[Cartilage anatomy and surgery of the tracheal bifurcation] Vanpeperstraete F. Acta Chir Belg 69:229-34, Apr 70 (Fre)
[Extensive tracheal resection followed by end-to-end suture. 14 cases] Kreitmann P, et al. Ann Chir Thorac Cardiovasc 10:65-78, Jan 71 (Fre)
[Tracheo-bronchial reconstruction surgery] Naef AP, et al. Ann Chir Thorac Cardiovasc 8:799-804, Jul 69 (Fre)
[Technic for averting an artificial opening following total sub-cricoid laryngectomy] Font N. Pract Otorhinolaryngol (Basel) 33:150-9, 1971 (Fre)
[Resection of the carina and anastomosis of 1 or 2 main bronchi to the trachea with the use of a heart-lung machine] Bertho E, et al. Union Med Can 99:1413-6, Aug 70 (Fre)
[Experimental elongation tracheoplasty] Uhlschmid G. Helv Chir Acta 38:207-10, Apr 71 (Ger)
[Tracheal and bronchotracheal resections] Björk VO. Langenbecks Arch Chir 322:886-99, 1968 (Ger)
[Resection and reconstruction of the trachea] Grillo HC. Langenbecks Arch Chir 322:869-86, 1968 (Ger)
[The use of adhesives in bronchial and tracheal resections] Häring R, et al. Langenbecks Arch Chir 322:921-2, 1968 (Ger)
[Clinical experiences with tracheo-bronchoplasty] Knothe W, et al. Langenbecks Arch Chir 322:910-3, 1968 (Ger)
[Problems of alloplastic and autoalloplastic tracheal prostheses] Konrad RM, et al. Langenbecks Arch Chir 322:918-21, 1968 (Ger)
[Animal experimental studies on alloplastic tracheal prostheses following continuation resection] Lick RF. Langenbecks Arch Chir 322:900-6, 1968 (Ger)
[Restorative and reconstructive surgery on the thoracic part of tracheal and bronchi] Petrowskij BW, et al. Langenbecks Arch Chir 322:859-68, 1968 (Ger)
[Tracheobronchial reconstruction after extensive tracheal resection] Naef AP. Thoraxchirurgie 17:503-8, Dec 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Tracheal resection in benign and malignant stenosis] Schaudig A. Thoraxchirurgie 17:506-12, Dec 69 (Ger)
[Tracheal reconstruction using auto-alloplasty] Selling A, et al. Thoraxchirurgie 19:27-33, Feb 71 (Ger)
[Tracheal tumors and tracheal reconstruction using tissue compatible adhesives] Sailer R.
Zentralbl Chir 95:1057-9, 5 Sep 70 (Ger)
[Suture materials in experimental tracheobronchial surgery. (Endoscopic observations)] Scala G, et al.
Arch Monaldi 25:518-36, Nov-Dec 70 (Ita)
[Anatomo-histological evolution of tracheoplasties and of substitutive prosthetic implants. Experimental observations] Negro G, et al.
Minerva Chir 25:1401-8, 15 Nov 70 (Ita)
[Experience in tracheo-bronchial reconstruction in lung cancer] Tomita M, et al.
Jap J Thorac Surg 24:497-503, Jul 71 (Jap)
[Application of tracheoplasty for tracheal stenosis] Ishihara T. Shujutsu 24:1452-8, Dec 70 (Jap)
[Use of terital in tracheoplasty in rabbits] Chodynicki S, et al. Otolaryngol Pol 24:491-6, 1970 (Pol)
[Excision of the interior tracheal part together with the bifurcation in a patient with a single lung] Papliński Z, et al.
Pol Przegl Chir 42:1440-4, Oct 70 (Pol)

TRANSPLANTATION

Observations in the development of tracheal prostheses and tracheal transplantation. Bailey BJ, et al. Laryngoscope 80:1553-65, Oct 70
[Experimental trials with the substitution of the resected trachea by homotransplant and plastic prosthesis] Uchytil B, et al.
Cesk Otolaryngol 20:64-70, Apr 71 (Cze)
[Animal experiments in reimplantation of complete tracheal segments] Kornmesser HJ.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:354-6, 1970 (Ger)
[Behavior of trachea allotransplants in dogs treated with antilymphocyte globulin] Díaz Mejía GS, et al.
Prensa Med Mex 36:23-36, Feb 71 (Spa)

TRACHEAL DISEASES (C5)

[Compression of the trachea by the brachio-cephalic arterial trunk in infants (apropos of 4 operated cases)] Langlois J, et al.
Ann Chir Thorac Cardiovasc 10:171-84, 1971 (Fre)
[Primary and secondary tracheomegaly. Case report] Simeone L. Radiol Med (Torino) 56:490-8, Jun 70 (Ita)
[A case of mycosis of the bronchi with reaction in the tracheo-bronchial lymph nodes] Pujanek C, et al.
Gruzlica 38:930-1, Sep 70 (Pol)
[Tracheobronchial dyskinesia (review of the literature)] Lifshits NA.
Klin Med (Mosk) 48:17-22, Dec 70 (44 ref.) (Rus)

CHEMICALLY INDUCED

Changes of the surface of tracheal epithelium due to inhalation of foreign substances. Konrádová V.
Acta Univ Carol [Med] (Praha) 14:235-40, 1968
Long-term continuous exposure of guinea pigs to sulfur dioxide. Alarie Y, et al.
Arch Environ Health 21:769-77, Dec 70

COMPLICATIONS

[Pulmonary hypoplasia, bronchial stenosis and tracheal diverticulosis] Parès F, et al.
Bronches 20:263-73, Jul-Aug 70 (Fre)
[Tracheobronchial and parenchymal causes of recurrent bronchopulmonary infections] Radermecker M.
Rev Med Liege 26:335-7, 15 May 71 (Fre)
[Tracheobronchomegaly] Abramović M, et al.
Plucne Bolesti Tuberk 22:179-83, Jul-Sep 70 (Cro)

CONGENITAL

Polychondritis in a newborn presenting as tracheomalacia. Johner CH, et al.
Ann Otol Rhinol Laryngol 79:1114-6, Dec 70

DIAGNOSIS

[Primary amyloid tumor of the trachea. A brief review of amyloidosis and report of a new case] Jeppesen F, et al. Ugeskr Laeger 132:1771-4, 17 Sep 70 (Dan)
[Spirographic results in patients with bronchopathia osteoplastica] Patzelt F, et al.
Dtsch Gesundheitsw 25:1779-82, 17 Sep 70 (Ger)
[New method of laryngo-tracheoscopy in young infants] Thal W, et al.
Kinderaerztl Prax 38:505-7, Nov 70 (Ger)
[Diagnosis of Mounier-Kuhn syndrome] Lichtenstein AO, et al. Radiol Diagn (Berl) 11:171-6, 1970 (Ger)

ETIOLOGY

Guillain-Barré syndrome in pregnancy. Respiratory paralysis complicated by a fatal tracheo-innominate artery fistula. Elstein M, et al.
Anaesthesia 26:216-24, Apr 71
Extensive tracheal necrosis associated with a prestretched tracheostomy tube cuff. Martinez LR, et al. Anesthesiology 34:488-9, May 71
An unusual cause of stridor. Holder TM.
Clin Pediatr (Phila) 10:333, Jun 71
Tissue toxicity from rubber endotracheal tubes. Guess WL, et al. Int Anesthesiol Clin 8:823-8, Winter 70
Tracheal collapse in tracheostomized infants: resistance in reference to flow rates in a variety of tracheostomy tubes. Murphy DA, et al.
J Pediatr Surg 6:314-23, Jun 71
Delayed massive hemorrhage following tracheostomy. Mathog RH, et al. Laryngoscope 81:107-19, Jan 71
[Contributions of tracheo-bronchoscopy in cardiovascular diseases] Lemoine JM.
Arch Monaldi 25:328-38, Sep-Oct 70 (Fre)
[Respiratory form of polychondritis chronica atrophicans (a case)] Grilliat JP, et al.
J Fr Med Chir Thorac 23:541-50, Jul-Aug 69 (Fre)
[Chondro-osteoplastic tracheobronchopathy] Brun J, et al. J Fr Otorhinolaryngol 18:548-50, Oct 69 (Fre)
[Nasotracheal intubation and tracheostomy: comparative statistics] Sicard F, et al.
Union Med Can 99:135-8, Jan 70 (Fre)
[Cirsoid angioma of the trachea in a 16-year-old boy] Klein W, et al.
Thoraxchirurgie 19:149-51, Apr 71 (Ger)
[Tracheobronchomegaly] Nagy M, et al.
Z Erkr Atmungsorgane 132:195-8, 1970 (Ger)
[On a case of tracheal polyp as a reaction to tubercular adenopathy] Perroni L, et al.
Pediatria (Napoli) 77:459-69, 1969 (Ita)
[Ventilatory lung function in patients with struma compressing the trachea] Kowalski J, et al.
Gruzlica 39:323-31, Apr 71 (Pol)
[Bronchial asthma associated with tracheobronchial expiratory collapse (considerations on a case)] Dimitriu CG, et al.
Med Interna (Bucur) 23:741-4, Jun 71 (Rum)

FAMILIAL & GENETIC

[Congenital factors in the genesis of chronic bronchitis and bronchectasis including Kartagener and Mounier-Kuhn syndromes] Galy P, et al.
Poumon Coeur 27:133-44, 1971 (Fre)

PATHOLOGY

Bony metaplasia in trachea and bronchi. Ashley DJ.
J Pathol 102:186-8, Nov 70
An electron microscopic study of metaplasia of the rat tracheal epithelium in vitamin A deficiency. Wong YC, et al. Lab Invest 24:55-66, Jan 71
[Pathomorphology of tracheobronchomegaly (Mounier-Kuhn syndrome)] Nepomniashchikh GI.
Arkh Patol 32:70-3, 1970 (Rus)

RADIOGRAPHY

[Radiologic examination of enlarged larynx and trachea in newborns] Lallemand D, et al.
J Radiol Electrol Med Nucl 51:710-3, Nov 70 (Fre)
[Tracheobronchomegaly--a symptom of disordered breathing mechanism?] Frank A, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:805-16, May 71 (Ger)
[Anesthesiologic aspects of contrast tracheography in patients with diseases of the mediastinal trachea] Kravchenko EP. Vestn Khir 105:89-92, Oct 70 (Rus)

SURGERY

[Some complications encountered in tracheal surgery] Mahieu FM. Acta Chir Belg 69:251-7, Apr 70 (Fre)
[Cutaneous plastic repair of the trachea. Clinical and experimental study] Fournial G, et al.
Ann Chir Thorac Cardiovasc 10:321-7, Jul 71 (Fre)
[Apropos of a case of intratracheal localization of thyroid tissue] Nouzha E, et al.
Ann Chir Thorac Cardiovasc 10:309-12, 1971 (Fre)
[Tracheal resection for tracheal cysts] Isfort A. Langenbecks Arch Chir 322:926-31, 1968 (Ger)
[A corrective operation for tracheobronchiomegily] Middendorp UG, et al.
Langenbecks Arch Chir 328:27-34, 1970 (Ger)
[Functional reconstruction of fractured intrathoracic crachea] Sandri L, et al.
Otorinolaringol Ital 37:375-87, Aug 69 (Ita)
[Surgery of the trachea and bronchi] Petrovskiĭ BV, et al. Vestn Khir 103:3-10, Jun 69 (Rus)

VETERINARY

Stimulation of immunity in pheasants to chemically abbreviated infections of Syngamus trachea.
Fernando MA, et al. Avian Dis 15:89-93, Jan-Mar 71

TRACHEAL NEOPLASMS (C2)

Cylindroma of the trachea and left main bronchus. Hills EA. Proc R Soc Med 64:221-2, Feb 71
[Upper respiratory and digestive tract cylindroma: clinical data and treatment] Feremans W, et al.
Acta Otorhinolaryngol Belg 23:660-5, 1969 (Fre)
[Laryngo-tracheal chondromyxosarcoma 10 years after ablation of a laryngeal chondroma] Calvet J, et al.
Ann Otolaryngol Chir Cervicofac 87:690-2, Oct-Nov 70 (Fre)
[Cylindroma of the trachea] Gignoux M, et al.
J Fr Otorhinolaryngol 18:529-32, Oct 69 (Fre)
[Changes in the concentrations of nucleic acids and histone in experimentally induced tumors (cytophotometric studies)] Tasca C, et al.
Verh Dtsch Ges Pathol 54:458-64, 1970 (Ger)
[Primary benign tumors of the trachea: description of a case of fibroangioma] Pivirotto F, et al.
Minerva Med 62:2524-32, 23 Jun 71 (Ita)
[3 cases of tracheal adenoma] Zagarskikh MG.
Zh Ushn Nos Gorl Bolezn 31:78-9, May-Jun 71 (Rus)

CHEMICALLY INDUCED

[Different susceptibility of the alveolar and tracheobronchial epithelia of BALB-c-Cb-Se mice to tumorigenesis induced with urethane in isogenic transplants] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 30:147-60, 1970 (Ita)

COMPLICATIONS

[Juvenile papillomatosis of the larynx disseminating throughtout the tracheobronchial system and chaning into a malignant state without previous radiation] Justus J, et al. HNO 18:349-54, Nov 70 (Ger)
[Cirsoid angioma of the trachea in a 16-year-old boy] Klein W, et al.
Thoraxchirurgie 19:149-51, Apr 71 (Ger)

DIAGNOSIS

Hematoporphyrin fluorescence: an aid in diagnosis of malignant neoplasms. Leonard JR, et al.
Laryngoscope 81:365-72, Mar 71
[Tracheo-bronchoscopic findings in 700 cases of esophageal cancers] Lemoine JM, et al.
Bronches 20:331-41, Sep-Oct 70 (Fre)
[Neoplasm of the bifurcation of the trachea in children] Guerrier Y, et al.
J Fr Otorhinolaryngol 20:66 passim, Jan 71 (Fre)
[Clinical picture and therapy of tracheal and bronchial adenomas] Christov G, et al.
Bruns Beitr Klin Chir 218:349-54, Nov 70 (Ger)
[Tumors of receptor tissues of otorhinolaryngological organs] Buvaño SA, et al.
Vestn Otorinolaringol 32:50-5, Nov-Dec 70 (Rus)
[Carcinoid of the trachea (case report)] Penenkov BI, et al. Vopr Onkol 16:81-2, 1970 (Rus)
[Primary cancer of the trachea] Miroshnikova EZ.
Zh Ushn Nos Gorl Bolezn 31:84-6, May-Jun 71 (Rus)

MORTALITY

Mortality in the chrysotile asbestos mines and mills of Quebec. McDonald JC, et al.
Arch Environ Health 22:677-86, Jun 71

PATHOLOGY

Electron microscopy in head and neck oncology. Friedmann I.
Acta Otolaryngol (Stockh) 71:115-22, Feb-Mar 71
[An unusual tumor of the trachea. Apropos of a case of fibrosarcoma] Vanetti A, et al.
Ann Chir Thorac Cardiovasc 9:247-53, Apr 70 (Fre)
[Oat cell carcinoma of the trachea] Brunner H.
HNO 18:176-83, Jun 70 (Ger)
[Mixed salivary gland tumour of the trachea] Giese R, et al. Munch Med Wochenschr 112:94-7, 16 Jan 70 (Ger)
[Cytophotometry of the tracheal mucosa and of DENA-induced papillomata of the Syrian golden hamster. (Quantitative studies of dedifferentiation)] Tasca C, et al. Z Krebsforsch 74:355-67, 1970 (Ger)
[Microcytoma of the trachea] Bordi C, et al.
Arch Ital Anat Istol Patol 43:271-80, 1970 (Ita)
[Primary cancer of the trachea] Ivan'ko AI, et al.
Zh Ushn Nos Gorl Bolezn 31:80-3, May-Jun 71 (Rus)

RADIOGRAPHY

[Myxoma of the trachea] Löhe G, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:273-4, Feb 71 (Ger)
[Radiological aspects and clinical considerations on primary tumors of the trachea. (Personal cases)] Trapani P, et al.
Minerva Radiol 15:22-9, Jan-Feb 70 (Ita)

RADIOTHERAPY

Primary squamous cell carcinoma of the trachea successfully treated with radiation. Kaplan GA, et al.
Ariz Med 28:19-22, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SURGERY

Tracheal resection with laryngeal preservation. An exercise in voice rehabilitation. Lawrence W Jr, et al. Am J Surg 120:482-4, Oct 70

Extended tracheal resection with end-to-end anastomosis. Gazzaniga AB, et al. Arch Surg 102:589-91, Jun 71

Effect of cryotherapy on tracheal tumors in rats. Skivolocki WP, et al. Arch Surg 103:341-3, Aug 71

Thoracotracheostomy after resection of the larynx and cervical trachea for cancer. Stell PM, et al. J Laryngol Otol 84:1097-102, Nov 70

Tracheal obstruction with a difficult anaesthetic problem. Gray A. J Otolaryngol Soc Aust 3:263-4, Mar 71

Conservative laryngeal surgery. Ogura J. J Otolaryngol Soc Aust 3:140-52, Mar 71

Tracheal resection with end-to-end anastomosis. Johnson VA, et al. Rocky Mt Med J 67:45-8, Dec 70

Surgery for unanticipated mediastinal and tracheal extension of recurrent laryngeal cancer. Friedberg SA, et al. Surg Clin North Am 50:1051-8, Oct 70

[Extensive resection of the trachea due to cancer. Apropos of 3 cases of tracheo-laryngectomy] Dor P. Acta Chir Belg 69:258-66, Apr 70 (Fre)

[Tracheal cancer] Daussy M, et al. Ann Chir Thorac Cardiovasc 9:359-63, Jul 70 (Fre)

[Tracheal resection for tumors (apropos of 3 cases)] Dubost C, et al. Ann Chir Thorac Cardiovasc 9:233-45, Apr 70 (Fre)

[Long-term follow-up (1 to 4 years) by dynamic tracheography of extensive tracheal resections for stenosis or tumor] Kreitmann P, et al. Ann Chir Thorac Cardiovasc 10:315-9, Jul 71 (Fre)

[Resection of a tracheal tumor under extracorporeal circulation] Nègre E, et al. Ann Chir Thorac Cardiovasc 9:481-4, Oct 70 (Fre)

[Thoracic trachea carcinoma treated by circular resection followed by end to end anastomosis] Selli M, et al. Ann Chir Thorac Cardiovasc 9:95-9, Jan 70 (Fre)

[Extensive resection of the trachea followed by end-to-end suture (12 cases)] Ohresser P, et al. Mars Med 107:815-7, 1970 (Fre)

[Tracheobronchial reconstruction after extensive tracheal resection] Naef AP. Thoraxchirurgie 17:503-8, Dec 69 (Ger)

[Tracheal resection in benign and malignant stenosis] Schaudig A. Thoraxchirurgie 17:508-12, Dec 69 (Ger)

[Tracheal tumors and tracheal reconstruction using tissue compatible adhesives] Sailer R. Zentralbl Chir 95:1057-9, 5 Sep 70 (Ger)

[Plastic resection of the trachea with the Gebauer technic for recurrent cancer of the thyroid] Jovino R, et al. Rass Int Clin Ter 51:292-8, 15 Mar 71 (Ita)

[Anesthesiologic considerations on a case of surgically treated cylindroma of the lower 3d of the trachea] Merola L, et al. Rass Int Clin Ter 50:1275-83, 31 Oct 70 (Ita)

[Radical resection of thyroid cancer with infiltration into the larynx and trachea] Miura T, et al. Shujutsu 24:1366-75, Nov 70 (Jap)

[Rhabdomyosarcoma of the trachea] Zakrzewski A, et al. Otolaryngol Pol 25:79-82, 1971 (Pol)

[Case report on rhinoscleroma] Jarzębski J. Pol Tyg Lek 26:147-8, 25 Jan 71 (Pol)

VETERINARY

Radiographic diagnosis of a tracheal neoplasm in a dog. Hoff B. J Am Vet Med Assoc 158:104-5, 1 Jan 71

TRACHEAL STENOSIS (C5)

[Progressive tracheo-bronchial stenosis due to cartilaginous dysplasia] Touraine R, et al. J Fr Otorhinolaryngol 18:239-41, Apr 69 (Fre)

COMPLICATIONS

Tracheal dystonia and sarcoidosis. Eliefsen P. Acta Otolaryngol (Stockh) 70:438-42, Nov-Dec 70

CONGENITAL

[Problems encountered in the course of treatment of congenital stenosis of the laryngo-tracheal canal] Monville V, et al. Acta Chir Belg 69:267-72, Apr 70 (Fre)

[Congenital stenosis of the lower trachea in a 2-year-old child] Mounier-Kuhn P, et al. Ann Otolaryngol Chir Cervicofac 87:669-74, Oct-Nov 70 (Fre)

[Bronchological changes in cases of children admitted with diagnosed bronchial asthma] Halász S, et al. Bronches 19:228-38, May-Jun 69 (Fre)

[Congenital stenosis of the trachea] Perel'man MI, et al. Grudn Khir 12:106-8, Jul-Aug 70 (Rus)

DIAGNOSIS

Arterial anomalies causing compression of the trachea and-or the oesophagus. A report of 30 symptomatic cases. Ekdf O, et al. Acta Paediatr Scand 60:81-9, Jan 71

[Tracheal stenosis in children. Tracheoscopic technics in young children] Thal W, et al. Bronches 20:429-32, Nov-Dec 70 (Fre)

[Significance of inspiratory seconds capacity in the diagnosis of stenosing processes of the laryngeal and tracheal regions] Schönthal H, et al. Verh Dtsch Ges Inn Med 75:951-4, 1969 (Ger)

[Endoscopic findings and therapeutic consequences in tracheal stenoses] Naumann WH. Z Laryngol Rhinol Otol 50:430-3, Jun 71 (Ger)

ETIOLOGY

Irradiated PVC plastic and gas sterilization in the production of tracheal stenosis following tracheostomy. Lipton B, et al. Anesth Analg (Cleve) 50:578-86, Jul-Aug 71

Incidence and pathogenesis of tracheal injury following cuffed tube tracheostomy with assisted ventilation: analysis of a two-year prospective study. Andrews MJ, et al. Ann Surg 173:249-63, Feb 71

Diagnosis and treatment of tracheal collapse after thyroid operation. Nyst EH, et al. Arch Chir Neerl 22:233-41, 1970

Benign tracheal stenosis. Samaan HA. Br J Surg 57:909-13, Dec 70

Partial tracheal obstruction due to anomalous origin of the left pulmonary artery. Turner AF, et al. Calif Med 114:59-63, Apr 71

Tracheal stricture secondary to cuffed tracheostomy tubes. Rainer WG, et al. Chest 59:115-8, Jan 71

Anesthesiology grand rounds, Yale-New Haven Hospital. The endotracheal tube could not be removed. Conn Med 34:512-4, Jul 70

Post-tracheostomy tracheal stenosis. Harpman JA. Eye Ear Nose Throat Mon 50:161-5, May 71

Tracheal stenosis following the use of the cuffed tracheotomy tube. Judkins RF. Eye Ear Nose Throat Mon 49:124-8, Mar 70

Tracheal stenosis complicating tracheostomy with cuffed tubes. Pearson FG, et al. Int Anesthesiol Clin 8:889-905, Winter 70

Stenosis following tracheostomy for respiratory care. Geffin B, et al. JAMA 216:1964-8, 21 Jun 71

Tracheal stenosis. A review of four cases. Rho S, et al. Ohio State Med J 66:916-9, Sep 70

Tracheal stenosis following tracheostomy. Frankel HL. Paraplegia 8:172-6, Nov 70

Stricture formation after end-to-end trachea repair in goats. Thompson DH, et al. S Afr J Surg 8:37-9, 1970

[Tracheal stenosis following tracheotomy] Verougstraete MP, et al. Acta Otorhinolaryngol Belg 23:391-402, 1969 (Fre)

[Resection-suture of the cervico-thoracic trachea for post-tracheotomy stenosis: 3 cases with follow-up] Dor J, et al. Ann Chir 23:177-82, Feb 69 (Fre)

[Treatment of tracheal stenosis after tracheotomy. Therapeutic indications, preparation for the intervention. Apropos of 9 resections in 15 cases of acute respiratory insufficiency] Couraud L, et al. Ann Chir Thorac Cardiovasc 8:791-7, Jul 69 (Fre)

[Low tracheal stenosis after tracheotomy or prolonged intubation. (Apropos of 3 cases)] Jaubert de Beaujeu M, et al. Ann Chir Thorac Cardiovasc 10:263-8, 1971 (Fre)

[Caustic burns of the trachea] Seidner W, et al. Bronches 20:258-62, Jul-Aug 70 (Fre)

[Problems raised by laryngo-tracheal stenosis in young children] Garcin M, et al. J Fr Otorhinolaryngol 19:805-10, Dec 70 (Fre)

[Eso-tracheal compression caused by arterial malformations] Rivier A. Pract Otorhinolaryngol (Basel) 33:93-109, 1971 (Fre)

[Tracheal stenosis after prolonged intubation] Messingschlager W. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:337-41, 1970 (Ger)

[Functional reconstruction of fractured intrathoracic crachea] Sandri L, et al. Otorinolaringol Ital 37:375-87, Aug 69 (Ita)

[On a case of tracheal polyp as a reaction to tubercular adenopathy] Perroni L, et al. Pediatria (Napoli) 77:459-69, 1969 (Ita)

OCCURRENCE

Tracheal stenosis following tracheostomy: incidence and predisposing factors. Westgate HD, et al. Anesth Analg (Cleve) 49:393-401, May-Jun 70

PATHOLOGY

[Synchrondrosis of the laryngotracheal skeleton and tracheostenosis in the Apert-Crouzon syndrome] Schmid H. Zentralbl Allg Pathol 114:326-37, 1971 (Ger)

PHYSIOPATHOLOGY

[Physical flow-studies on conical and web-like tracheal stenoses-models] Birke S, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:318-26, 1971 (Ger)

[Pathophysiology of stenoses of larynx and trachea] Minnigerode B. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 199:85-111, 1971 (Ger)

PREVENTION & CONTROL

Prevention of tracheal graft stenosis with steroids. Migiets AW Jr. Arch Otolaryngol 93:492-5, May 71

RADIOGRAPHY

Anterior tracheal indentation in infancy and early childhood: normal or abnormal? Swischuk LE. Am J Roentgenol Radium Ther Nucl Med 112:12-7, May 71

Roentgenographic study of the human trachea with powdered tantalum. Hinchcliffe WA, et al. Radiology 97:327-30, Nov 70

[Opaque and spot-film laryngography in laryngo-tracheal cicatricial stenosis] Antognini G, et al. Boll Mal Orecch Gola Naso 87:424-42, 1969 (Ita)

[Radiological aspects and clinical considerations on primary tumors of the trachea. (Personal cases)] Trapani P, et al. Minerva Radiol 15:22-9, Jan-Feb 70 (Ita)

SURGERY

Tracheal replacement with autologous esophagus for tracheal stricture. Fonkalsrud EW, et al. Arch Surg 102:139-42, Feb 71

Extended tracheal resection with end-to-end anastomosis. Gazzaniga AB, et al. Arch Surg 102:589-91, Jun 71

Tracheal stenosis. Stell PM. J Laryngol Otol 85:395-6, Apr 71

Tracheal stenosis: a disease of medical progress. Surgical repair of three cases. Vander Veer JB Jr. Northwest Med 69:921-5, Dec 70

[Reconstructive surgery of the trachea and bronchi] Otter G den. Ned Tijdschr Geneeskd 115:1329-31, 7 Aug 71 (Dut)

[Problems encountered in the course of treatment of congenital stenosis of the laryngo-tracheal canal] Monville V, et al. Acta Chir Belg 69:267-72, Apr 70 (Fre)

[Tracheal surgery for cicatricial lesions] Vanderhoeft P, et al. Acta Chir Belg 69:273-8, Apr 70 (Fre)

[Resection-suture of the cervico-thoracic trachea for post-tracheotomy stenosis: 3 cases with follow-up] Dor J, et al. Ann Chir 23:177-82, Feb 69 (Fre)

[Long-term follow-up (1 to 4 years) by dynamic tracheography of extensive tracheal resections for stenosis or tumor] Kreitmann P, et al. Ann Chir Thorac Cardiovasc 10:315-9, Jul 71 (Fre)

[Technics of widening in laryngo-tracheal stenosis] Mounier-Kuhn P, et al. J Fr Otorhinolaryngol 19:703-4, Nov 70 (Fre)

[Extensive resection of the trachea followed by end-to-end suture (12 cases)] Ohresser P, et al. Mars Med 107:815-7, 1970 (Fre)

[Treatment of tracheal stenosis] Abouiker P. Probl Actuels Otorhinolaryngol 275-95, 1968 (Fre)

[Tracheotomy and complete stenosis of the larynx. Dilatation] Pinson L. Rev Laryngol Otol Rhinol (Bord) 90:63-71, Jan-Feb 69 (Fre)

[Correction of circumferential stenosis of the cervical trachea: a reported case] Lemire R, et al. Union Med Can 99:1269-73, Jul 70 (Fre)

[Treatment of tracheal stenoses] Meyer R. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 199:292-316, 1971 (Ger)

[Attempt at reconstruction of the tracheal wall with help of autologous mucous membrane] Berger A, et al. Chirurg 41:381-2, Aug 70 (Ger)

[Laryngologic methods in the treatment of stenosis in the cervical part of the trachea] Ungerecht K. Langenbecks Arch Chir 322:906-10, 1968 (Ger)

[Acute tracheal stenosis in the bifurcation area: antiplasty with extracorporeal circulation] Grädel E, et al. Thoraxchirurgie 18:430-2, Oct 70 (Ger)

[Tracheal resection in benign and malignant stenosis] Schaudig A. Thoraxchirurgie 17:508-12, Dec 69 (Ger)

[Resection of cicatrical strictures in the cervical trachea] Beck C, et al. Z Laryngol Rhinol Otol 50:434-42, Jun 71 (Ger)

[Management of compression stenosis after traumatic tracheal wall defect] Kornmesser HJ. Z Laryngol Rhinol Otol 49:682-90, Oct 70 (Ger)

[Application of tracheoplasty for tracheal stenosis] Ishihara T. Shujutsu 24:1452-8, Dec 70 (Jap)

[Expansion surgery with mucous membrane graft from the hard palate and rib cartilage graft for tracheal stricture] Miyake H, et al. Shujutsu 25:668-73, Jun 71 (Jap)

[Tracheobronchial surgery] Serrano Muñoz F, et al. Rev Clin Esp 117:387-96, 31 May 70 (Spa)

THERAPY

[Therapeutic indications in cicatricial laryngo-tracheal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

stenosis] Mounier-Kuhn P, et al.
J Fr Otorhinolaryngol 19:623-33, Oct 70 (Fre)
[Resuscitation in a case of serrated tracheobronchial obstruction by means of a modified sound] Pellerano P, et al. Minerva Anestesiol 35:733-5, Jul 69 (Ita)

VETERINARY

Surgical correction of collapsed trachea in dogs. Leonard HC. J Am Vet Med Assoc 158:598-9, 1 Mar 71
Tracheal collapse in the dog: a review of the literature and report of two new cases. Done SH, et al. J Small Anim Pract 11:743-50, Nov 70

TRACHEITIS (C5)

COMPLICATIONS

Rapid growth and centrolobular emphysema after stenosing tracheitis and continuous exposure to low concentrations of oxygen. Bieber CP, et al. Acta Paediatr Scand 59:697-700, Nov 70
[Respiratory insufficiency caused by crusty tracheobronchitis in laryngectomized patients occurring at the time of the past influenza epidemic] Manara G.
Boll Mal Orecch Gola Naso 88:243-59, 1970 (Ita)

DIAGNOSIS

[Clinical picture and treatment of acute subligamentous laryngotracheitis in children] Grobshtein SS.
Vestn Otorinolaringol 32:40-5, Nov-Dec 70 (Rus)

DRUG THERAPY

[Clinical study on a new collutory] Cailleres.
Rev Laryngol Otol Rhinol (Bord) 90:254-6, Mar-Apr 69 (Fre)
[Trial of a new sulfanilamide in treatment of tracheobronchic infections in adults: 53 cases, 46 concerning asthmatics] Chavanis P.
Rev Lyon Med 19:187-92, 15 Mar 70 (Fre)

ETIOLOGY

Allergic cough syndrome. Murray JA, et al.
South Med J 63:1159-62, Oct 70
[Suffocating dry tracheobronchitis in laryngectomized patients] Pulido R.
Acta Otorinolaringol Iber Am 21:316-24, 1970 (Spa)

PATHOLOGY

[Ultrastructural changes in experimentally induced tracheal inflammation] Dahlgren SE, et al.
Nord Med 85:481, 15 Apr 71 (Swe)

PREVENTION & CONTROL

[Descending catarrh and its prevention] Herrmann IF.
Munch Med Wochenschr 113:1201-4, 10 Sep 71 (Ger)

THERAPY

Artificial respiration in a case of acute dry tracheobronchitis. Hazewinkel RO, et al.
Pract Otorhinolaryngol (Basel) 32:189-92, 1970
[Results of the Luchon cure in spasmodic tracheitis in children] Briand C, et al.
Rev Laryngol Otol Rhinol (Bord) 92:353-6, May-Jun 71 (Fre)
[Clinical picture and treatment of acute subligamentous laryngotracheitis in children] Grobshtein SS.
Vestn Otorinolaringol 32:40-5, Nov-Dec 70 (Rus)

VETERINARY

Immunizing characteristics of a tissue-culture-origin modified live-virus ocular vaccine for infectious laryngotracheitis. Marty EW, et al.
Avian Dis 15:277-83, Apr-Jun 71
The development of a vaccine against avian infectious laryngotracheitis. IV. Immunization of chickens with a modified laryngotracheitis vaccine in the drinking water. Samberg Y, et al. Avian Dis 15:413-7, Apr-Jun 71
Histopathology of infectious laryngotracheitis in fowl infected by an aerosol. Purcell DA.
J Comp Pathol 81:421-31, Jul 71
Polypoid tracheitis associated with chronic cough in feedlot cattle. Dillman RC.
Proc US Anim Health Assoc 73:596-8, 1969
Infectious bovine rhinotracheitis. (A review). Anspaugh V.
Vet Med Small Anim Clin 65:1171-6, Dec 70
[Mixed infections of chickenpox and infectious laryngotracheitis] Starovoitov NS, et al.
Veterinariia 1:106-9, Jan 71 (Rus)

TRACHEOESOPHAGEAL FISTULA (C4, C5)

Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. Calcaterra TC, et al.
Arch Otolaryngol 94:124-8, Aug 71

COMPLICATIONS

Pulmonary retention simulating pneumonia as a cause of death in children with tracheoesophageal fistula. Haddadin AJ, et al. Surgery 70:311-5, Aug 71
Tracheo-oesophageal fistula and oesophageal atresia: results of 30 years' experience. Holden MP, et al.
Thorax 25:406-12, Jul 70

CONGENITAL

Infantile pyloric stenosis associated with major anomalies of the alimentary tract. Ahmed S.
J Pediatr Surg 5:660-6, Dec 70
Tracheoesophageal fistula associated with tracheal atresia and malformation of the larynx. Peison B, et al.
J Pediatr Surg 5:464-7, Aug 70
Congenital tracheoesophageal fistula. Zaveli PM.
Mich Med 70:704, Aug 71
[Congenital tracheoesophageal fistula located in the upper part of the esophagus without esophageal atresia] Haller R, et al. Praxis 60:823-4, 15 Jun 71 (Ger)

DIAGNOSIS

The diagnosis and surgical management of congenital tracheoesophageal fistula without atresia of the esophagus. Cohen SR.
Ann Otol Rhinol Laryngol 79:1101-7, Dec 70
Trisomy E and T-E fistula. Sommer A, et al.
J Med Genet 7:70-4, Mar 70
Recurrent tracheoesophageal fistula: a diagnostic problem. Kafrouni G, et al. Surgery 68:889-94, Nov 70
[Diagnosis of congenital esophageal anomalies (case report)] Stefanović P.
Srp Arh Celok Lek 98:99-102, Jan 70 (Ser)

ETIOLOGY

Extensive tracheal necrosis associated with a prestretched tracheostomy tube cuff. Martinez LR, et al. Anesthesiology 34:488-9, May 71
[Tracheo-bronchoscopic findings in 700 cases of esophageal cancers] Lemoine JM, et al.
Bronches 20:331-41, Sep-Oct 70 (Fre)

FAMILIAL & GENETIC

Esophageal atresia with tracheoesophageal fistula in mother and child. Engel PM, et al.
J Pediatr Surg 5:564-5, Oct 70
Esophageal atresia associated with an anorectal anomaly and probably laryngeal fissure in three siblings. Forrester RM, et al.
J Pediatr Surg 5:674-5, Dec 70

PATHOLOGY

Squamous epithelium in respiratory tract of children with tracheo-oesophageal fistula. Emery JL, et al.
Arch Dis Child 46:236-42, Jun 71
Gastric-type epithelium in the upper esophageal pouch in children with tracheoesophageal fistula. Emery JL, et al. J Pediatr Surg 6:449-53, Aug 71

RADIOGRAPHY

Method of Roentgen demonstration of H-type tracheoesophageal fistula. Leonidas JC.
Mt Sinai J Med NY 38:379-83, Jul-Aug 71
[Congenital esophageal-tracheal fistula in children, exclusive of esophageal atresia] Jaubert de Beaujeu M, et al.
Ann Chir Thorac Cardiovasc 8:493-500, Oct 69 (Fre)
[Unusual variant of esophageal atresia] Daum R, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:112-3, Jul 70 (Ger)

SURGERY

Replacement of the esophagus by colon in infants and children. Ferguson CC. Can J Surg 13:396-402, Oct 70
Operative menagement of esophageal atresia by end-to-side anastomosis and ligation of the tracheo-esophageal fistula. Touloukian RJ, et al.
Conn Med 34:783-8, Nov 70
Tracheotomy in premature infants. Pickard RE, et al.
Laryngoscope 81:418-22, Mar 71
End-to-end anastomosis in esophageal atresia. A clinical and experimental study. Livaditis A.
Scand J Thorac Cardiovasc Surg Suppl 2:7-20, 1969
[A case of nontraumatic benign tracheoesophageal fistula in an adult] Viard H, et al.
Lyon Chir 67:60-3, Jan-Feb 71 (Fre)

TRACHEOSTOMY see TRACHEOTOMY (E4)

TRACHEOTOMY (E4)

Cricothyrotomy kit. Tarsitano JJ, et al.
Aeromed Rev 4:1-10, Oct 70
Tracheal resection with laryngeal preservation. An exercise in voice rehabilitation. Lawrence W Jr, et al.
Am J Surg 120:482-4, Oct 70
Prevention of hypoxia during endotracheal suction. Feil T, et al. Ann Surg 174:24-8, Jul 71
Tracheotomy avoidance. Glycerine vocal cord injection. Lewy RB. Arch Otolaryngol 92:502-4, Nov 70
A fenestrated tracheostomy tube. Hanna EA.
Doki Akad Nauk SSSR 184:1886, 21 Jan 69
Effect of tracheotomy in hypersomnia with periodic respiration. Lugaresi E, et al.
Electroencephalogr Clin Neurophysiol 30:373-4, Apr 71
Post-tracheostomy tracheal stenosis. Harpman JA.
Eye Ear Nose Throat Mon 50:161-5, May 71
Emergency airway for acute laryngeal obstruction. Shapiro SL. Eye Ear Nose Throat Mon 49:491-4, Nov 70
A review of ultrasonic nebulization. Fenstermaker DE.
Int Anesthesiol Clin 8:949-67, Winter 70
Tracheostomy in children. Glover WJ.
Int Anesthesiol Clin 8:845-57, Winter 70
Experience with tracheostomies in Oxford. Kerr JH, et al. Int Anesthesiol Clin 8:875-87, Winter 70
Tracheostomy and aftercare in the adult. Kinley CE.
Int Anesthesiol Clin 8:859-74, Winter 70
Thoracotracheostomy after resection of the larynx and cervical trachea for cancer. Stell PM, et al.
J Laryngol Otol 84:1097-102, Nov 70
Tracheotomy in infants and children. Benjamin B.
J Otolaryngol Soc Aust 3:254-9, Mar 71
A fenestrated tracheostomy tube. Hanna EA.
JAMA 214:1886, 7 Dec 70
Delayed massive hemorrhage following tracheostomy. Mathog RH, et al. Laryngoscope 81:107-19, Jan 71
Tracheotomy in premature infants. Pickard RE, et al.
Laryngoscope 81:418-22, Mar 71
Intrathoracic complications following tracheotomy in children. Rabuzzi DD, et al.
Laryngoscope 81:939-46, Jun 71
Mini-tracheostomy. Davies IJ.
Nurs Times 67:674, Jun 71
Tracheostomy. Dukes HM. Thorax 25:573-6, Sep 70
Tracheotomy in head and neck trauma. Butler RM.
Trans Am Acad Ophthalmol Otolaryngol 74:1077-8, Sep-Oct 70
[Permanent tracheotomy. 18 cases of chronic respiratory insufficiency] Pariente R, et al.
Ann Med Interne (Paris) 121:779-86, Oct 70 (Fre)
[Technic of plastic tracheostomy in total laryngectomy] Cevansir B, et al.
Ann Otolaryngol Chir Cervicofac 88:201-4, Mar 71 (Fre)
[Distant complications of tracheotomy in chronic pulmonary patients] Laxenaire MC, et al.
Can Anesthesiol 18:595-604, Sep 70 (Fre)
[Tracheotomy in infants: indications and current results in resuscitation] Unal D, et al.
Pediatrie 25:789-93, Oct-Nov 70 (Fre)
[Place of assisted respiration in the treatment of infectious diseases (poliomyelitis excepted)] Giroud M, et al.
Rev Corps Sante Armees 9:763-73, Dec 68 (Fre)
[Tracheotomy and complete stenosis of the larynx. Dilatation] Pinson L.
Rev Laryngol Otol Rhinol (Bord) 90:62-71, Jan-Feb 69 (Fre)
[Effects of tracheotomy in hypersomnia with periodic respiration] Lugaresi E, et al.
Rev Neurol (Paris) 123:267-8, Oct 70 (Fre)
[A simple and inexpensive inhalation method for tracheotomized patients] Fodor L.
Monatsschr Unfallheilkd 73:373-6, Aug 70 (Ger)
[A method for humidifying the respiratory air in patients with tracheotomy] Schellmann WD.
Nervenarzt 41:610, Dec 70 (Ger)
[Artificial respiration and tracheotomy in the treatment of severe thoracic trauma] Eisterer H.
Pneumonologie 143:292-4, 1970 (Ger)
[The problem of infection after tracheotomy] Linder E.
Thoraxchirurgie 18:346-8, Aug 70 (Ger)
[Pathological changes of the thyroid gland and tracheotomy] Prüfer HJ.
Zentralbl Chir 96:936-42, 10 Jul 71 (Ger)
[On the use of a vapor condenser in tracheotomised patients] Garozzo A, et al.
Clin Otorinolaringoiatr 20:470-81, Nov-Dec 68 (Ita)
[Tracheotomy, from the aspect of anesthesiology] Morioka T, et al. Shujutsu 24:1339-46, Nov 70 (Jap)
[Endotracheal intubation--tracheotomy] Kongsrud F.
Tidsskr Nor Laegeforen 91:1068-71, 20 May 71 (Nor)
[Tracheotomy in respiratory complications of measles] Saraiva PA, et al. Rev Bras Med 28:42-5, Jan 71 (Por)
[Microtracheostomy in the treatment of pulmonary complications following heart surgery for congenital defects] Liude MN, et al.
Grudn Khir 13:11-5, Mar-Apr 71 (Rus)
[Tracheotomy in a patient with hemophilia] Shapiro LM. Vestn Otorinolaringol 32:116, Sep 70 (Rus)
[Clinical evaluation of microflora of the larynx and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

trachea in tracheotomized patients] Revo VV. Zh Ushn Nos Gorl Bolezn 31:59-61, May-Jun 71 (Rus)
[Deferred tracheostomy. Our experience] Pilheu FR. Prensa Med Argent 57:1944-5, 18 Dec 70 (Spa)
[Use of tracheotomy in foreign bodies in the lower respiratory tract] Cvetković S. Med Glas 24:201-4, Apr-May 70 (Cro)

ADVERSE EFFECTS

Tracheal stenosis following tracheostomy: incidence and predisposing factors. Westgate HD, et al. Anesth Analg (Cleve) 49:393-401,. May-Jun 70
Incidence and pathogenesis of tracheal injury following cuffed tube tracheostomy with assisted ventilation: analysis of a two-year prospective study. Andrews MJ, et al. Ann Surg 173:249-63, Feb 71
Swallowing dysfunction after tracheostomy. Bonanno PC. Ann Surg 174:29-33, Jul 71
Transconioscopy. Stell PM, et al. Arch Otolaryngol 93:338, Mar 71
Benign tracheal stenosis. Samaan HA. Br J Surg 57:909-13, Dec 70
Tracheal stricture secondary to cuffed tracheostomy tubes. Rainer WG, et al. Chest 59:115-8, Jan 71
Tracheal stenosis following the use of the cuffed tracheotomy tube. Judkins RF. Eye Ear Nose Throat Mon 49:124-8, Mar 70
Tracheal stenosis complicating tracheostomy with cuffed tubes. Pearson FG, et al. Int Anesthesiol Clin 8:889-905, Winter 70
Tracheal collapse in tracheostomized infants: resistance in reference to flow rates in a variety of tracheostomy tubes. Murphy DA, et al. J Pediatr Surg 6:314-23, Jun 71
Reappraisal of tracheal injury from cuffed tracheostomy tubes. Experiments in dogs. Bryant LR, et al. JAMA 215:625-8, 25 Jan 71
Stenosis following tracheostomy for respiratory care. Geffin B, et al. JAMA 216:1984-8, 21 Jun 71
Tracheal stenosis: a disease of medical progress. Surgical repair of three cases. Vander Veer JB Jr. Northwest Med 69:921-5, Dec 70
Tracheal stenosis. A review of four cases. Rho S, et al. Ohio State Med J 66:916-9, Sep 70
Tracheal stenosis following tracheostomy. Frankel HL. Paraplegia 8:172-6, Nov 70
[Tracheal stenosis following tracheotomy] Verougstraete MP, et al. Acta Otorhinolaryngol Belg 23:391-402, 1969 (Fre)
[Resection-suture of the cervico-thoracic trachea for post-tracheotomy stenosis: 3 cases with follow-up] Dor J, et al. Ann Chir 23:177-82, Feb 69 (Fre)
[Treatment of tracheal stenosis after tracheotomy. Therapeutic indications, preparation for the intervention. Apropos of 9 resections in 15 cases of acute respiratory insufficiency] Couraud L, et al. Ann Chir Thorac Cardiovasc 8:791-7, Jul 69 (Fre)
[Low tracheal stenosis after tracheotomy or prolonged intubation. (Apropos of 3 cases)] Jaubert de Beaujeu M, et al. Ann Chir Thorac Cardiovasc 10:203-8, 1971 (Fre)
[Complications of tracheotomy in adults. Indemnification of its sequelae] Montezin J. Med Leg Domm Corpor (Paris) 3:358-75, Oct-Dec 70 (Fre)
[Medicolegal aspects of hemorrhagic complications of tracheotomy. Apropos of a case] Vitani C, et al. Med Leg Domm Corpor (Paris) 2:147-9, Apr-Jun 69 (Fre)
[Nasotracheal intubation and tracheostomy: comparative statistics] Sicard F, et al. Union Med Can 99:135-8, Jan 70 (Fre)
[Complications after emergency tracheotomy] Forgács I, et al. Anaesthesist 19:155-6, Apr 70 (Ger)
[Damage in the respiratory tract following long-term intubation and tracheotomy in adults with special consideration to morphological changes] Hegendörfer U, et al. Anaesthesist 19:460-8, Dec 70 (Ger)
[Complications of tracheotomy and prolonged resuscitation in patients of an internal intensive care unit] Schylla G, et al. Med Welt 51:2183-92, 26 Dec 70 (Ger)
[Morphology of tracheal lesions after long term intubation and tracheotomy] Rückert U, et al. Zentralbl Allg Pathol 113:415-23, 1970 (Ger)
[On bacterial contaminations in patients undergoing tracheostomy and mechanical respiration] Brandolini G, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:107+, 1969 (Ita)
[Antibiotic therapy in tracheotomized patients] Brandolini G, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:123+, 1969 (Ita)
[Iatrogenic injuries in pneumology] Daddi G, et al. Ann Ist Carlo Forlanini 29:96-131, 1969 (Ita)
[Tracheobronchial epithelium alterations in tracheotomized patients using automatic respirators] Gianasi GC, et al. Minerva Anestesiol 37:174-9, Apr 71 (Ita)
[Rupture of the innominate artery after tracheotomy] Marcorelli E. Nunt Radiol Suppl 1:49-56, 1968 (Ita)
[Errors and dangers in tracheostomy] Kuzin MI, et al. Khirurgiia (Mosk) 47:113-8, Feb 71 (Rus)
[Complications of tracheotomy in viral croup] Fiekser SIa. Pediatriia 49:39-43, Nov 70 (Rus)
[Tracheotomy: postoperative complications] Errazuriz O, et al. Rev Chil Pediatr 41:109-18, Feb 70 (Spa)

INSTRUMENTATION

Irradiated PVC plastic and gas sterilization in the production of tracheal stenosis following tracheostomy. Lipton B, et al. Anesth Analg (Cleve) 50:578-86, Jul-Aug 71
Pneumotachometry--a means to prevent malfunction caused by mucous deposition. Sakiad M, et al. Anesthesiology 33:661-3, Dec 70
Causes of damage to tissues by polymers and elastomers used in the fabrication of tracheal devices. Stetson JB, et al. Anesthesiology 33:635-52, Dec 70 (91 ref.)
Emergency tracheostomy. Davies IJ. Br Med J 1:807, 13 Mar 71
Cricothyrotomy kit. Tarsitano JJ, et al. J Am Dent Assoc 81:1392-4, Dec 70
Tracheostome dilator. MacNaughtan IP. J Laryngol Otol 84:1273, Dec 70
Fabrication of tracheotomy obturators. Harley WT, et al. J Prosthet Dent 25:679-83, Jun 71
An evaluation of Silastic tracheostomy tubes. Spooner TR. Laryngoscope 81:1132-7, Jul 71
[For an improvement of tracheotomy cannulas] Vandooren M, et al. Presse Med 79:967, 24 Apr 71 (Fre)
[Use of tracheal canulas with "prestretched" cuffs for the prevention of damage to the tracheal wall] Zeitelberger P, et al. Anaesthesist 19:188-9, May 70 (Ger)
[Treatment and acid-base balance in the case confronted with difficulty in removal of the tracheotomy tube, particularly from the standpoint of the anesthesiologist] Oka M. Otolaryngology (Tokyo) 42:1051-4, Dec 70 (Jap)
[An improved tracheostomy tube for artificial machine-assisted respiration] Krekotnev AIa. Voen Med Zh 6:70, Jun 70 (Rus)

TRACHOMA (C1, C11)

The effect of trachoma on intraocular tension. Awasthi P, et al. Acta Ophthalmol (Kbh) 48:896-900, 1970

BLOOD

[The C-reactive protein in trachoma] Farpour H, et al. Rev Int Trach 46:169-72, 1969-70 (Fre)

CLASSIFICATION

[Confusion in the classification of trachoma and its etiological agent] Poleff L. Rev Int Trach 46:155-6, 1969-70 (Fre)

COMPLICATIONS

[Various special aspects of the relation between inclusion conjunctivitis and trachoma] Postic S. Ann Ocul (Paris) 202:219-31, Mar 69 (Fre)
[Pathogenesis of pannus trachomatosus] Kubik J. Rev Int Trach 46:321-64, 1969 (Fre)

DIAGNOSIS

An evaluation of the fluorescent antibody technic in the diagnosis of trachoma and inclusion conjunctivitis. Hanna L. Rev Int Trach 45:345-59, 1968
[Application of nephelometry to immunological studies in trachoma] Iagafarova AB. Zh Mikrobiol Epidemiol Immunobiol 48:94-8, Feb 71 (Rus)

DRUG THERAPY

The use of fanasil in mass treatment of trachoma. Emiru VP. East Afr Med J 47:457-60, Sep 70
[Clinical experience with inosin eyedrops] Shimamoto H. Folia Ophthalmol Jap 22:208-9, Mar 71 (Jap)

IMMUNOLOGY

Haemagglutination by the TRIC group of Chlamydia. Elvin-Lewis PF, et al. J Med Microbiol 4:31-41, Feb 71
The action of an antitrachoma vaccine on mouse experimental pulmonary infection. Casazza AM, et al. Progr Immunobiol Stand 4:686-71, 1970
Immunoglobulin levels and TRIC-antibody levels in acute and chronic TRIC infections. Isa AH. Rev Int Trach 45:375-82, 1968

MICROBIOLOGY

Noninfectivity of stage IV trachoma. Dhir SP. Am J Ophthalmol 71:106-7, Jan 71
Isolation of human genital TRIC agents in nongonococcal urethritis and Reiter's disease by an irradiated cell culture method. Ford DK, et al. Br J Vener Dis 47:196-7, Jun 71
Further characterization of TRIC agent strains of genital origin. Alexander ER, et al. Rev Int Trach 45:297-310, 1968
[Trachoma and associated flora. Theoretical study and practical deductions in trachoma control in Algeria. (New health survey in the region of Guerrara)] Aouchiche M, et al. Rev Int Trach 46:157-67, 1969-70 (Fre)
[Trachoma. Clinical trials on vaccination, isolation and identification of the agent. General results in Pará and Ceará 1967-1968] Ciribelli-Guimarães J, et al. Rev Bras Malariol Doencas Trop 22:423-39, Apr-Dec 70 (Por)
[Chlamydia--degenerate bacteria that give rise to the world health problem, trachoma] Boman HG, et al. Lakartidningen 67:4409-18, 23 Sep 70 (20 ref.) (Swe)

OCCURRENCE

Prevalence of trachoma among Southwestern American Indian tribe. Portney GL, et al. Am J Ophthalmol 70:843-8, Nov 70
Trachoma in private practice in Western Australia. Mann I. Can J Ophthalmol 5:343-7, Oct 70
Prevalence of trachoma and other common eye diseases. Mathur GM, et al. Indian J Med Res 58:1085-99, Aug 70
Influence of some socio-economic factors on the prevalence of trachoma. Mathur GM, et al. Indian J Med Sci 24:325-34, Jun 70
Flies and mothers as modes of transmission of trachoma and associated bacterial conjunctivitis. Gupta CK, et al. J All India Ophthalmol Soc 18:17-22, Apr 70
Distribution and epidemiological status of trachoma and other conjunctivitis in rural areas of Iran. Mohsenin H, et al. Rev Int Trach 46:373-93, 1969
[Trachoma in a Senegalese town] Diallo J, et al. Bull Soc Med Afr Noire Lang Fr 15:606-1, 1970 (Fre)
[Current aspects and epidemiological problems of trachoma] Reinhards J. Rev Int Trach 46:211-95, 1969 (Fre)
[Incidence of trachoma among the population of Algeria (Algerian People's Democratic Republic)] Slonov MN, et al. Oftalmol Zh 25:452-3, 1970 (Rus)

PATHOLOGY

Cytology of TRIC agent infection of the eye of newborn infants and their mothers' genital tracts. Naib ZM. Acta Cytol (Baltimore) 14:390-5, Jul-Aug 70
A new staining technique for trachomatous tissue. Vali NA. Indian J Med Res 58:1643-6, Nov 70
Immunofluorescence in chronic TRIC infections of American Indians and Tunisians: influence of trauma on results of tests. Hanna L. Proc Soc Exp Biol Med 136:655-9, Feb 71

PREVENTION & CONTROL

Live trachoma vaccine and topical therapy. Scott JG, et al. Br J Ophthalmol 55:189-91, Mar 71
Febrile and local reactions to two highly concentrated trachoma vaccines with and without adjuvant. Detels R, et al. Rev Int Trach 45:331-43, 1968
[Trachoma and associated flora. Theoretical study and practical deductions in trachoma control in Algeria. (New health survey in the region of Guerrara)] Aouchiche M, et al. Rev Int Trach 46:157-67, 1969-70 (Fre)
[Educational medicine in the service of trachoma control] Toufic N. Rev Int Trach 46:119-50, 1969-70 (Fre)
[Trachoma. Clinical trials on vaccination, isolation and identification of the agent. General results in Pará and Ceará 1967-1968] Ciribelli-Guimarães J, et al. Rev Bras Malariol Doencas Trop 22:423-39, Apr-Dec 70 (Por)
[Fleas, dust and trachoma] Reinhards J. Prensa Med Argent 57:1191-4, 14 Aug 70 (Spa)

SURGERY

[Adapted surgical cure of trichiasis without striction or traction] Raïs H, et al. Ann Ocul (Paris) 203:845-9, Sep 70 (Fre)

TRACHOMA VIRUS see CHLAMYDIA (B3)

TRACTION (E4)

An outline of current practice in the treatment of congenital dislocation of the hip. Calandriello B. Bull Hosp Joint Dis 32:27-9, Apr 71
How to care for the patient with pelvic traction. Courtial DC. Hosp Manage 112:16, Aug 71
Further observations on the value of traction during roentgenography of the hip. Martel W, et al. Invest Radiol 6:1-8, Jan-Feb 71
Intravital wireless telemetry of axial forces in Harrington distraction rods in patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

idiopathic scoliosis. Nachemson A, et al.
J Bone Joint Surg [Am] 53:445-65, Apr 71
Traction and short-wave for early osteo-arthritis of the hip. Flewitt B. Physiotherapy 55:507-9, Dec 69
[Resistance to traction and hardness of the femoral diaphysis] Blaimont P, et al.
Acta Orthop Belg 34:883-92, 1968 (Fre)
[Treatment of fractures of the base of the first metacarpal bone by the Lars-Thoren method] Lascar R. Chirurgie 97:142-6, 1971 (Fre)
[Possibilities offered by the united association of orthopedics and surgery in primary and secondary treatment of massive closed diaphyseal and diaphysoepiphyseal splintered fractures] Kempf I, et al. Rev Chir Orthop 57:Suppl 1:261-8, 1971 (Fre)
[Reduction and fixation of spondylolisthesis and spondyloptosis] Michel CR.
Rev Chir Orthop 57:Suppl 1:148+, 1971 (Fre)
[Treatment of tibial plateau fracture] Mourgues G de, et al. Rev Chir Orthop 55:575-6, Sep 69 (Fre)
[Traction treatment in physical therapy] Schindel E. Arch Phys Ther (Leipz) 22:215-8, Jul-Aug 70 (Ger)
[Spinal extension in the complex rehabilitation of patients with secondary radicular syndrome] Kaptelin AF.
Beitr Orthop Traumatol 17:488-90, 1970 (Ger)
[Splinting and wire traction as aids in plastic surgery] Breckwoldt E, et al.
Monatsschr Unfallheilkd 73:579-85, 1970 (Ger)
[Treatment of rupture of the lateral ligaments of the knee joint through immediate joint movements] Mann K. Zentralbl Chir 96:193-8, 6 Feb 71 (Ger)
[Non-surgical treatment of heel fractures. Validity of M. Dragonetti's triple traction method] Dragonetti L.
Arch Ortop Suppl:381-94, 1969 (Ita)
[Traction in therapy of cervical arthropathies. (Clinical cases)] Bianchi C, et al.
Fracastoro 62:54-62, Jan-Feb 69 (Ita)
[On the treatment of the cervical syndrome by intermittent manual traction] Manelli E, et al.
Minerva Ortop 20:407-12, Sep 69 (Ita)
[Reposition of congenital hip dislocation by traction] Tessore A.
Chir Narzadow Ruchu Ortop Pol 35:397-401, 1970 (Pol)
[Treatment of old and unset dislocations of the foot using skeletal traction] Lirtsman VM, et al.
Khirurgiia (Mosk) 46:78-83, Sep 70 (Rus)
[Skeletal traction in injuries of the cervical spine] Kashigina EA.
Ortop Travmatol Protez 31:67-9, Apr 70 (Rus)
[Experience in the use of vertical underwater traction in the treatment of diskogenic radicular syndromes of the lumbar region] Bogoslovskaia FV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:397-9, Sep-Oct 70 (Rus)
[Experience in the treatment of secondary radiculitis by underwater traction] Rotaenko AP.
Vopr Kurortol Fizioter Lech Fiz Kult 35:463-4, Sep-Oct 70 (Rus)
[Therapy of discogenic radiculitis by means of traction of the spine and physiotherapy] Serdakova TS.
Vopr Kurortol Fizioter Lech Fiz Kult 35:254-6, May-Jun 70 (Rus)

ADVERSE EFFECTS

Vascular compression of the duodenum associated with the treatment of scoliosis. Review of the literature and report of eighteen cases. Evarts CM, et al.
J Bone Joint Surg [Am] 53:431-44 passim, Apr 71
[Severe injuries of the perineum caused by traction on an orthopedic table with pelvi-support (2 cases)] Aboulker P, et al.
J Urol Nephrol (Paris) 77:646-9, Jul-Aug 71 (Fre)
[Cerebral abscess as complication of extension therapy with Crutchfield clamp] Masuhr KF, et al.
Langenbecks Arch Chir 328:71-7, 1970 (Ger)

HISTORY

[History of skeletal traction] Korzh AA, et al.
Ortop Travmatol Protez 32:81-4, Mar 71 (Rus)

INSTRUMENTATION

Shortening in pseudarthrosis. Treatment with the Küntscher distractor. Christensen NO.
Acta Orthop Scand 41:363-8, 1970
Traction-exercise table. Weinstein MV, et al.
Arch Phys Med Rehabil 52:389-92, Aug 71
The metal head cap. A delayed aid to the tagliacotian operation. Bautista BN, et al. Int Surg 55:297-8, Apr 71
Halo pelvic traction. A preliminary report on a method of external skeletal fixation for correcting deformities and maintaining fixation of the spine. O'Brien JP, et al.
J Bone Joint Surg [Br] 53:217-29, May 71
An aid for insertion of the Crutchfield skull tongs. Gonski A. Med J Aust 2:1137-8, 12 Dec 70
Modern central service. How to store and maintain traction frames. Carlson R, et al.
Med Hosp 115:112, Oct 70
A continuous cervical traction frame. Coggins EM.
Physiotherapy 55:506, Dec 69
[Traction equipment for spinal surgery] Arnold W, et al. Beitr Orthop Traumatol 17:465-6, Jul 70 (Ger)
[Use of Harrington's distractor in the treatment of scoliosis] Weiss M.
Chir Narzadow Ruchu Ortop Pol 35:743-50, 1970 (Pol)
[Technic of installing a distractor in the treatmentof scoliosis] Wejsflog A.
Chir Narzadow Ruchu Ortop Pol 35:751-6, 1970 (Pol)
[Traction of the cervical region of the spine by an apparatus applied to the zygomatic arches] Reut NI.
Ortop Travmatol Protez 31:73-4, Nov 70 (Rus)
[New brace for cervical spine traction] Lifka H.
Rozhl Chir 49:607-8, Nov 70 (Slo)

TRADE UNIONS see LABOR UNIONS (N3)

TRAINEESHIPS see under TRAINING SUPPORT (H, N3)

TRAINING ANALYSIS see under HUMAN ENGINEERING (F1, J)

TRAINING SUPPORT (H, N3)

Federal grant support of optometric research and education. Watzman N. Am J Optom 48:357-64, Apr 71
Birth of a foundation. Crahan ES.
Bull Med Libr Assoc 58:584-6, Oct 70
Support from the federal government for students of medicine. Redlich FC. Conn Med 35:472-3, Jul 71
University curriculums AND FELLOWSHIPS IN RADIOLOGICAL HEALTH.
Environ Health Ser [Radiol Health] 1-86, 1970
Biomedical research versus health care delivery: the President's national health strategy. Fudenberg HH, et al. Fed Proc 30:1373-5, Jul-Aug 71
Set goal of 150,000 dollars for AFDE Month Drive.
J Am Dent Assoc 82:727, Apr 71
Navy to offer Dental Scholarship Program.
J Am Dent Assoc 82:737, Apr 71
AFDE plans more aid to minority students.
J Am Dent Assoc 83:83, Jul 71
Meeting the challenges of the 'Seventies'. American Fund for Dental Education.
J Am Dent Assoc 82:973-88, May 71
Navy to offer dental scolarship rogram.
J Am Dent Assoc 82:79, Jan 71
Progress Report. Canadian Fund for Dental Education.
J Can Dent Assoc 37:160, Apr 71
A matter of heart and mind.
J Can Dent Assoc 37:317-8, Sep 71
Financial problems of state and private dental schools. Terkla LG. J Dent Educ 35:262-9, Apr 71
Editorial. Let them learn. Teuscher GW.
J Dent Educ 35:139, Mar 71
Special article. A "current status" report concerning Maine students who have graduated from the University of Vermont College of Medicine under the aegis of the New England Higher Education Compact during the years 1961-1970. Nilson GT.
J Maine Med Assoc 62:78-9, Apr 71
Effectiveness of student aid programs tied to a service commitment. Mason HR. J Med Educ 46:575-83, Jul 71
Changing pattern of expenditures and financial support in medical colleges, 1959--70 through 1969--70.
J Med Educ 46:632-3, Jul 71
Formula grants to schools of public health. Wegman ME. J Public Health Dent 30:212-7, Fall 1970
Influence of government grants on the professional preparation of health educators in colleges and universities. Wallace BC. J Sch Health 41:38-42, Jan 71
Are medical education and research being overfunded? Visscher MB. JAMA 216:1365-6, 14 Jun 71
Support for research, training and education in medical research engineering.
Med Res Eng 9:14 passim, Dec 70
The what and why of the Gordon Medical Scholarship Program. Gordon MB. Med Times 98:99-101, Oct 70
"Unapproved" subspecialties. Bennett WM.
N Engl J Med 283:1057, 5 Nov 70
Fellowships for foreign doctors. Ekwo E.
N Engl J Med 284:558, 11 Mar 71
Support of foreign fellows.
N Engl J Med 284:1216, 27 May 71
Physical therapy fund. Blair L. Phys Ther 51:7-8, Jan 71
The postgraduate teaching of pathology. The financing of postgraduate medical education. Geffen TJ.
Proc R Soc Med 64:147-9, Feb 71
Graduate support: NIH grants threatened by Nixon priorities. Bazell RJ. Science 171:554-6, 12 Feb 71
Higher education: will federal aid favor students or institutions? Walsh J. Science 171:1219-21, 26 Mar 71
The WHO fellowship programme.
WHO Chron 24:473-5, Oct 70
[The Canadian Fund for Dental Education: A leadership challenge for the profession] Hillenbrand H. J Can Dent Assoc 37:322-5 passim, Sep 71 (Mul)

HISTORY

The AFDE Scholarship Program for Negro students. Dummett CO. J Dent Educ 34:381-8, Dec 70

TRANCOPAL see CHLORMEZANONE (D5)

TRANQUILIZING AGENTS (D6)

Determination of inorganic phosphate by the molybdovanadate method in the presence of ATP and some interfering organic bases. Ueda I, et al.
Anal Biochem 37:169-74, Sep 70
On the electron donating properties of the major tranquilizers. Saucin M, et al.
Biochem Pharmacol 20:909-11, Apr 71
Tranquilizers in general practice: some practical hints. Tuteur W. Ill Med J 130:648-50, Nov 66
Interactions of drugs with proteins. I. Binding of tricyclic thymoleptics to human and bovine plasma proteins. Weder HJ, et al.
J Pharm Sci 59:1505-7, Oct 70
Doxepin HCl (Sinequan)--current information. Salter FJ, et al. Mich Med 69:771-2, Sep 70
To open debate on tranquilizers. Feinbloom RI.
N Engl J Med 284:790-1, 8 Apr 71
Cholinergic- and neuroleptic-induced catalepsy: modification by lesions in the caudate-putamen. Costall B, et al. Neuropharmacology 10:297-306, May 71
The pill head menace. Barbiturates and tranquilizers non-hard core addicting drugs. Feldman HS.
Psychosomatics 11:99-103, Mar-Apr 70
[Drug dependence and addiction among patients of the Vienna Psychiatric-Neurological University Hospital with special reference to psychotropic drugs] Hofman G, et al. Arzneim Forsch 20:871-3, Jul 70 (Ger)
[Studies on the effect of some pharmaceutic aids on the physical properties of tablets] Sümegi G, et al.
Pharmazie 25:544-6, Sep 70 (Ger)
[Conducted labor under general anesthesia with the use of sodium (gamma-OH) 4-hydroxybutyrate] Papalini R, et al.
Acta Anaesthesiol (Padova) 20:881-8, Sep-Oct 69 (Ita)
[Initial clinical experiences on the use of dixiraxina (Ezuco-UCB 3412) in anesthesia] D'Auria C, et al.
Rass Int Clin Ter 50:1302-5, 31 Oct 70 (Ita)
[Use and misuse of benzodiazepine derivatives] Sirnes TB. Tidsskr Nor Laegeforen 91:745-6, 10 Apr 71 (Nor)
[Double-blind clinical study with a new psychotropic agent: doxepin versus placebo] Hollanda Júnior L, et al. Hospital (Rio de J) 77:799-803, Mar 70 (Por)
[Study of the analgesic, antispasmodic and tranquilizing action of Magnopyrol during labor] Monteleone PP.
Hospital (Rio de J) 78:813-21, Sep 70 (Por)
[Use of valnoctamide in the treatment of various behavior disorders in childhood] Valle JR, et al.
Rev Bras Med 28:81-4, Feb 71 (Por)

ADMINISTRATION & DOSAGE

Bronchodilator action of drug combinations in asthmatic patients. Ephedrine, theophylline and tranquilizing drugs. Muittari A, et al.
Curr Ther Res 13:374-85, Jun 71
Pain control in the dental office. Reynolds DC.
Dent Clin North Am 15:319-25, Apr 71
Influence of sex of hospitalized schizophrenics on therapeutic dosage levels of neuroleptics. Taylor MA, et al. Dis Nerv Syst 32:131-4, Feb 71
Tybamate in treatment resistant headaches. Hesbacher P, et al. Headache 10:148-9, Jan 71
Discontinuation of chemotherapy for chronic schizophrenics. Prien RF, et al.
Hosp Community Psychiatry 22:4-7, Jan 71
A clinical trial of navane. Halpern B, et al.
Isr Ann Psychiatry 8:87-93, Apr 70
Restraint of monkeys for clinical examination and treatment. Altman NH.
J Am Vet Med Assoc 157:1633-4, 1 Dec 70
A clinical and pharmacological approach to neurolepsis and its reversal in oral surgery. Watson R, et al.
J Oral Surg 29:633-9, Sep 71
Comparative efficacy of thiothixene capsules and concentrate in acutely schizophrenic patients. Goldstein BJ. Psychosomatics 11:434-7, Sep-Oct 70
II. Major tranquilizers. Kehoe MJ.
South Med J 64:403-10, Apr 71 (20 ref.)
A controlled study of mesoridazine: an effective treatment for schizophrenia. McIndoo MV.
South Med J 64:592-6, May 71
Sedation and immobilisation of cattle in the field. Kidd AR, et al. Vet Rec 88:679-87, 26 Jun 71
[New psychopharmacologic drugs in clinical practice] Vencovský E. Cesk Psychiatr 66:326-30, Dec 70 (Cze)
[Study of the impact of long term use of neuroleptics on glucose utilization after intravenous glucose loading] Fabius AJ, et al.
Ned Tijdschr Geneeskd 115:1449-54, 28 Aug 71 (Dut)
[Depot-neuroleptics] Praag HM van.
Ned Tijdschr Geneeskd 115:672-3, 10 Apr 71 (Dut)
[Clinical study and electroencephalographic effects of mefexamide] Denis A.
Acta Neurol Belg 69:305-14, May 69 (Fre)
[A long-acting neuroleptic. 3. Pilot study of penfluridol (R 16341)] Bobon J, et al.
Acta Psychiatr Belg 70:523-51, 1970 (Fre)
[Implications of delayed-action drugs] Bièder J.
Ann Med Psychol (Paris) 2:424-7, Oct 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Maintenance therapy with oenanthate of fluphenazine, associated with thioridazine and thymoanaleptics. Use of small doses] Schnetzler JP, et al. Ann Med Psychol (Paris) 1:800-6, May 71 (Fre)
[Therapeutic resultsof a drug combination in the treatment of colonic diseases and gastritis] Jdot R. Brux Med 48:245-52, Apr 68 (Fre)
[Treatment with depot neuroleptic drugs in psychiatry] Heinrich K.
Evol Psychiatr (Paris) 35:953-5, Oct-Dec 70 (Fre)
[Delayed action neuroleptic agents] Rainaut J.
Evol Psychiatr (Paris) 35:897-955, Oct-Dec 70 (Fre)
[Depot neuroleptics] Rainaut J.
Evol Psychiatr (Paris) 35:897-952, Oct-Dec 70 (Fre)
[Use of the methylperidol-hexadiphane combination in an intensive care unit for coronary patients] Jausseran JM, et al. Mars Med 107:945-8, 1970 (Fre)
[Value of small doses of neuroleptics in the severe states of hospitalism in severely mentally retarded children] Midenet M.
Rev Neuropsychiatr Infant 19:289-94, Jun 71 (Fre)
[Objective studies of the effects of tranquilizing agents] Harrer G, et al.
Arzneim Forsch 20:921-3, Jul 70 (Ger)
[Joint clinical study of a long term neuroleptic drug fluspirilene] Immich H, et al.
Arzneim Forsch 20:1699-701, Nov 70 (Ger)
[Tests on the analgetic effect of dextropropoxyphene combined with psychotropic drugs in the mouse] Lorenz D. Arzneim Forsch 20:925-8, Jul 70 (Ger)
[Oral administration of bencyclane] Okos G, et al.
Arzneim Forsch 20:Suppl 10a:1421+, Oct 70 (Ger)
[Use of Sinophenin in the pediatric-orthopedic ambulatory care] Walch H, et al.
Beitr Orthop Traumatol 17:364-7, 1970 (Ger)
[Therapy of polyneuritides] Kaeser HE.
Dtsch Med Wochenschr 96:1442-3, 3 Sep 71 (Ger)
[Therapy of cyclothymia] Tölle R.
Dtsch Med Wochenschr 95:2293-5, 6 Nov 70 (Ger)
[The effect of clopenthixol in swine] Tomicki Z, et al.
Dtsch Tieraerztl Wochenschr 75:38-40, 15 Jan 68 (Ger)
[Studies on a new spasmoanalgetic agent Spasmo-Tropax in double-blind study] Baumann D.
Med Welt 27:1148-9, 10 Jul 71 (Ger)
[Clinical test of Frenolon-Egyt (methophenazine) in a 1 per cent solution in cattle] Wilde I.
Monatsh Vet Med 25:256-9, 1 Apr 70 (Ger)
[Experiences with depot form flupenthixol] Bruck J, et al. Wien Med Wochenschr 121:110-2, 13 Feb 71 (Ger)
[Infusion treatment of depression] Radmayr E.
Wien Med Wochenschr 121:422-7, 15 May 71 (Ger)
[Use of Pelvichtol in gynecologic practice] Bunka H, et al. Z Allgemeinmed 47:424-5, 20 Mar 71 (Ger)
[Postoperative analgesic methods in a recovery room--postoperative analgesic effects of administration of a minor tranquilizer and Pentazine combination] Ishii S, et al.
Surg Ther (Osaka) 24:156-60, Feb 71 (Jap)
[Effect of psychotropic substances on the behavior of cats, induced by administration of acetylcholine into the hypothalamus] Kurochkin IG, et al.
Farmakol Toksikol 34:21-5, 1971 (Rus)
[Activating component in the effect of tranquilizing agents of the benzdiazepin series] Vikhliaev IuI, et al.
Farmakol Toksikol 34:268-72, May-Jun 71 (Rus)
[Comparison of the characteristics of the effect of tranquilizing agents under experimental and clinical conditions] Vikhliaev IuI, et al.
Farmakol Toksikol 34:30-5, 1971 (Rus)
[Effect of tranquilizing and antidepressive agents on the summation of impulses in the central nervous system] Zakusov VV.
Farmakol Toksikol 34:7-9, 1971 (Rus)

ADVERSE EFFECTS

Plasma prolactin activity in male and female patients lactating due to psychotropic drug administration. Apostolakis M, et al.
Acta Endocrinol [Suppl] (Kbh) 155:19, 1971
The toxicology of neuroleptics on the eye. Meier-Ruge W. Acta Psychiatr Belg 70:688-94, Nov 70
Systemic lupus erythematosus induced by psychotropic drugs. Fabius AJ, et al.
Acta Rheumatol Scand 17:137-47, 1971
Lithium carbonate therapy during pregnancy: apparent lack of effect upon the fetus. A case report. Silverman JA, et al. Am J Obstet Gynecol 109:934-6, 15 Mar 71
An adverse reaction unit: results and functions. Ananth JV, et al. Am J Psychiatry 127:1339-44, Apr 71
Persistence of neurological symptoms due to neuroleptic drugs. Crane GE.
Am J Psychiatry 127:1407-10, Apr 71
Motor disorders induced by neuroleptics: a proposed new classification. Crane GE, et al.
Arch Gen Psychiatry 24:179-84, Feb 71
Agranulocytosis, leukopenia, and psychotropic drugs. Litvak R, et al. Arch Gen Psychiatry 24:265-7, Mar 71
Pupillary paralysis after tranquillizer. Crawford R.
Br Med J 3:530-1, 28 Aug 71
Cardiovascular complications from psychotropic drugs.
Br Med J 1:3, 2 Jan 71
Neutralization of extrapyramidal side-effects with Methixene. Maller O, et al.
Dis Nerv Syst 32:409-15, Jun 71
Toxic effects of phenothiazines on the eye. Boet DJ.
Doc Ophthalmol 28:1-69, 24 Jul 70
Drugs and the fetal eye. Herzheimer A.
Lancet 1:448, 27 Feb 71
Effect of withdrawal of antiparkinsonian medication on chronically hospitalized psychiatric patients. Ananth JV, et al. Laval Med 41:934-8, Sep 70
A survey of extrapyramidal manifestations in patients attending an after care clinic of a psychiatric hospital. Guttman H, et al. Laval Med 41:449-55, Apr 70
A survey of extrapyramidal manifestations in the inpatient population of a psychiatric hospital. Lehmann HE, et al. Laval Med 41:909-16, Sep 70
Antipsychotic drugs and their major adverse effects. Med Lett Drugs Ther 12:104, 11 Dec 70
Monoamine oxidase inhibitors, combined with thymoleptics: Are they really unusable for human beings? Bartoníšek VJ. Pharmacology 4:80-90, 1970
Sudden death in phenothiazine therapy. (A clinicopathologic study of 12 cases). Moore MT, et al.
Psychiatr Q 44:389-402, 1970
[Influence of some psychotropic drugs on the blood] Jarol Z. Vnitr Lek 17:610, Jun 71 (Cze)
[Psychopharmacologic drugs--wanted and unwanted effects] Rafaelsen OJ.
Nord Med 85:933-4, 5 Aug 71 (Dan)
[Psychopharmacologic research] Faurbye A.
Ugeskr Laeger 133:1348-50, 16 Jul 71 (Dan)
[Comparison between the paroxysmal dyskinesias (neurodyslepsy) induced by neuroleptics in humans and early behavior patterns in newborns] Demaret A.
Acta Psychiatr Belg 70:552-61, 1970 (Fre)
[Principal electroencephalographic modifications observed in acute intoxication due to tranquilizing agents] Mellerio F.
Acta Psychiatr Belg 70:730-42, Nov 70 (Fre)
[The neuroleptic syndrome] Ostaptzeff G, et al.
Ann Med Psychol (Paris) 2:614-7, Nov 70 (Fre)
[Clinical trials of heptaminol acefyllinate in the prevention of hypotension following neuroleptic treatment] Soulairac A, et al.
Ann Med Psychol (Paris) 1:650-8, Apr 69 (Fre)
[Histologic structure of cataracts caused by piperazine] Radnót M, et al.
Ann Ocul (Paris) 202:325-9, Apr 69 (Fre)
[Malignant syndrome of the neuroleptics] Bourgeois M, et al. Bord Med 4:1115-28, Apr 71 (Fre)
[Extrapyramidal accidents in outpatient therapy] Rouleau Y. Laval Med 41:906-8, Sep 70 (Fre)
[Attempt at treatment of permanent type of post-neuroleptic dyskinesia] Villeneuve A, et al.
Laval Med 41:923-33, Sep 70 (Fre)
[Complications, accidents and poisonings during treatments with tranquilizers, neuroleptics and antidepressants] Geoffroy H, et al.
Maroc Med 49:355-70, Jun 69 (Fre)
[Treatment of mouth dryness caused by psychotropic drugs] Deniker P, et al.
Presse Med 78:2383-4, 12 Dec 70 (Fre)
[Fatal malignant syndromes following direct injection of fluphenazine onanthate] Henry P, et al.
Presse Med 79:1350, 12 Jun 71 (Fre)
[Pigmentary disorders of the eye in patients treated with phenothiazines] Sizaret P, et al.
Rev Otoneuroophtalmol 42:184-8, May-Jun 70 (Fre)
[Late extrapyramidal hyperkineses after prolonged neuroleptic therapy] Hippius H, et al.
Arzneim Forsch 20:888-90, Jul 70 (Ger)
[Effect of dioxyphenylalanine (L-DOPA) on extrapyramidal motoric hyperkineses after prolonged neuroleptic therapy] Hippius H, et al.
Arzneim Forsch 20:894-6, Jul 70 (Ger)
[Brain edema in combined psychotropic therapy] Liebaldt GP. Arzneim Forsch 20:879-82, Jul 70 (Ger)
[Pharmacology of catatonigenic substances. 6. Conclusion] Stille G.
Arzneim Forsch 21:997-1003, Jul 71 (Ger)
[Animal experiments to study the cardiotoxic effect of thymoleptics] Greeff K, et al.
Dtsch Med Wochenschr 96:1200-1, 9 Jul 71 (Ger)
[Have psychotropic drugs a cardiotoxic effect? Studies on the problem of drug-induced stress cardiac insufficiency] Kaltenbach M, et al.
Dtsch Med Wochenschr 95:2214-7, 30 Oct 70 (Ger)
[Drug-induced Parkinson's syndrome with cycle-dependent hyperkineses following intake of the contraceptive "Gestakliman"] Jörg J.
Nervenarzt 42:325-9, Jun 71 (Ger)
[Psychopharmacology and neurologic side effects] Angst J. Ther Umsch 27:356-60, Jun 70 (Ger)
[Psychopharmacological agents] Isermann H.
Z Allgemeinmed 46:1382-8, 10 Oct 70 (Ger)
[The so-called psychopharmacogenic or neuroleptic depressions] Bószörményi Z.
Orv Hetil 112:910-2, 18 Apr 71 (Hun)
[Aspects of iatrogenic pharmacology and toxicology at the fetal level] Mascherpa P.
Minerva Ginecol 21:1172-82, 30 Sep 69 (Ita)
[Psychosensory phenomena during treatment with tricyclic thymoanaleptics (presentation of 2 cases)] Bertolotti P, et al.
Riv Sper Freniatr 94:1556-66, 3 Dec 70 (Ita)
[Action of amantadine in extrapyramidal syndromes caused by neuroleptics] Fanali A, et al.
Sist Nerv 22:273-85, Sep-Oct 70 (Ita)
[Individual predisposition for unusual extrapyramidal side effects with neuroleptic agents] Lingjaerde O.
Tidsskr Nor Laegeforen 91:977-9, 10 May 71 (Nor)
[Misuse of benzodiazepine derivatives. A review, with special reference to Norwegian data] Retterstol N.
Tidsskr Nor Laegeforen 91:704-7, 10 Apr 71 (43 ref.) (Nor)
[Paroxysmal extrapyramidal syndrome caused by taking neuroleptic drugs] Gurovich IIa, et al.
Klin Med (Mosk) 47:132-7, Sep 69 (Rus)
[The semiology of motor function disorders during treatment with neuroleptic drugs] Fleis EP.
Zh Nevropatol Psikhiatr 70:1796-804, 1970 (Rus)
[Transitory exacerbations arising during the course of neuroleptic therapy] Gurovich IIa.
Zh Nevropatol Psikhiatr 70:919-25, 1970 (Rus)
[Effectiveness of a new preparation, Ponalid, in the treatment of neuroleptic complications] Makeeva VL, et al. Zh Nevropatol Psikhiatr 70:1721-3, 1970 (Rus)
[Facial dyskinesias caused by phenothiazine derivatives] De Oya JC, et al.
Rev Clin Esp 121:357-60, May 71 (Spa)

ANALYSIS

Thermolysis of 1,4-benzodiazepines during gas chromatography and mass spectroscopy. Sadée W, et al. J Pharm Sci 60:135-7, Jan 71
[Gas chromatographic determination of carbamate tranquilizing agents] Noirfalise A.
J Chromategr 53:564-5, 23 Dec 71 (Fre)
[Polarographic determination of medazepam (Nobrium). 12. Drug analysis by polarography and oscillopolarography] Oelschläger H, et al.
Pharm Acta Helv 45:706-16, Nov 70 (Ger)
[Identification of tranquillizers by thin-layer chromatography] Ono M.
Bull Nati Inst Hyg Sci (Tokyo) 88:61-2, 1970 (Jap)
[Direct conductometric determination of salts of weak bases and strong acids in aqueous solutions] Artamonov BP, et al.
Farmatsiia 20:36-41, Jan-Feb 71 (Rus)

BLOOD

Profile of sedatives and tranquilizers in serum, as measured by gas-liquid chromatography. Proelss HF, et al. Clin Chem 17:222-8, Mar 71

CHEMICAL SYNTHESIS

1,4-benzodiazepines. Chemistry and some aspects of the structure-activity relationship. Sternbach LH.
Angew Chem [Engl] 10:34-43, Jan 71 (23 ref.)
6,6-diallyl-5,7-diketo-1,4,5,7-tetrahydro-6H-benzo-(2,3)(1,4)-diazepine and its hydration products. Bobrański B, et al. Farmaco [Sci] 26:3-18, Jan 71
Tranquilizing drugs. Carbamates of 4-(4-hydroxypiperidino)-4'-fluorobutyrophenone and analogs. Li JP, et al. J Med Chem 13:1230-2, Nov 70
[Synthesis of partially saturated analogs of tricyclic neuroleptics clothiapine and octoclothepine] Dostert P, et al. Helv Chim Acta 53:1813-27, 1970 (Fre)
[Synthesis of N 1-(diphenylsulfonyl-carboxy)-N 2-acyl-hydrazine] Demetrescu C, et al.
Arch Pharm (Weinheim) 303:956-9, Dec 70 (Ger)
[Cycle openings of 2-phenyl-4-benzylidenazlactones-(5)-with the effect of diphenylsulfonylhydrazides. Synthesis of new derivatives with tranquilizing effects] Demetrescu C, et al.
Pract Otorhinolaryngol (Basel) 26:348, Jun 71 (Ger)
[New thioxanthene derivatives with central nervous activity] Fontanella L, et al.
Farmaco [Sci] 26:489-511, Jun 71 (Ita)

ISOLATION & PURIFICATION

[Separation and identification of tranquilizers and psychostimulants by means of gas chromatography] Nanikawa R, et al. Jap J Leg Med 24:326-30, Jul 70 (Jap)

METABOLISM

Biotransformation of prazepam in man. DiCarlo FJ, et al. Ann NY Acad Sci 179:487-92, 6 Jul 71
On the distribution and metabolism of azaperone (R 1929) in the rat and pig. Heykants J, et al.
Arzneim Forsch 21:982-4, Jul 71
Studies on the metabolism of oxazolam. I. Distribution and excretion studies. Shindo H, et al.
Chem Pharm Bull (Tokyo) 19:68-71, Jan 71
Prazepam metabolism by man. DiCarlo FJ, et al.
Clin Pharmacol Ther 11:890-7, Nov-Dec 70

PHARMACODYNAMICS

Effects of neuroleptics on the cerebral electrical activity of laboratory animals: presentation of a model design for neuropharmacological experiments. Longo VG, et al. Acta Psychiatr Belg 70:876-87, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Comparison of the effects of RO 5-6901, pentobarbital, and meperidine on the respiratory response to carbon dioxide. Finn H, et al.
Anesth Analg (Cleve) 49:297-9, Mar-Apr 70
The mink as a psychopharmacological model. Bauen A, et al. Arch Int Pharmacodyn Ther 186:133-6, Jul 70
Pharmacologic studies with ABBOTT-30360, an analgesic-tranquilizer, and its analogues. Kimura KT, et al. Arch Int Pharmacodyn Ther 190:125-34, Mar 71
Effects of selected drugs on stimulus-bound emotional behavior elicited by hypothalamic stimulation in the cat. Malick JB.
Arch Int Pharmacodyn Ther 186:137-41, Jul 70
Pharmacology of medazepam and metabolites. Randall LO, et al.
Arch Int Pharmacodyn Ther 185:135-48, May 70
The pharmacology of prazepam. A new benzodiazepine derivative. Robichaud RC, et al.
Arch Int Pharmacodyn Ther 185:213-27, Jun 70
Some observations on the neuropharmacology of medazepam hydrochloride (Ro 5-4556). Schallek W, et al. Arch Int Pharmacodyn Ther 185:149-58, May 70
Neuropharmacological properties of Su17595A a chlorpromazine-like central nervous system depressant. Wilson DE, et al.
Arch Int Pharmacodyn Ther 191:15-23, May 71
Neuroleptic phenothiazines with 1,4-diazabicyclo-[4.4.0]decane and-[4.3.0]nonane Ring System. Casagrande C, et al.
Arzneim Forsch 21:806-11, Jun 71
The pharmacology of fluspirilene (R 6218), a potent, long-acting and injectable neuroleptic drug. Janssen PA, et al. Arzneim Forsch 20:1689-98, Nov 70
Brain function, carbon dioxide, anticonvulsants, and tranquilizers. Spinal fluid PH in brain diseases. Viukari M. Behav Neuropsychiatry 2:2-5, 1970-71
Antihemolytic actions of tricyclic tranquilizers. Structural correlations. Despopoulos A.
Biochem Pharmacol 19:2907-14, Nov 70
Effects of benzoctamine (50603-Ba, TACITIN), a new psychoactive drug, on catecholamine metabolism. Maître L, et al. Biochem Pharmacol 19:2875-92, Nov 70
Effects of drugs acting alone and in combination on the motor activity of intact mice. Frank GB, et al. Br J Pharmacol 39:696-706, Aug 70
Effects of general depressant drugs on the electrical responses of isolated slabs of cat's cerebral cortex. Frank GB, et al. Br J Pharmacol 39:707-15, Aug 70
Minor tranquillizers, stress and central catecholamine neurons. Corrodi H, et al. Brain Res 29:1-16, 4 Jun 71
Electroencephalographic variations following anti-psychotic drug treatment. (Diagnostic and prognostic significance). Dasberg H, et al.
Dis Nerv Syst 32:472-8, Jul 71
The effects of various prior treatments upon the transport of chlorpromazine and trifluoperazine into rat brain. Teller DN, et al.
Dis Nerv Syst 31:Suppl:20-7, Nov 70
EEG patterns in healthy men after experimental application of psychotropic drugs and alcohol. Jovanovic UJ, et al.
Electroencephalogr Clin Neurophysiol 30:369, Mar 71
Visual evaluation of the EEG after application of drugs: results of personal experimental investigations in man. Jovanovic UJ.
Electroencephalogr Clin Neurophysiol 30:262, Mar 71
Receptor activity and turnover of dopamine and noradrenaline after neuroleptics. Andén NE, et al.
Eur J Pharmacol 11:303-14, 1970
Boophilus microplus: antihistaminic and tranquilizing drugs and cattle resistance. Tatchell RJ, et al.
Exp Parasitol 26:369-77, Dec 69
Interaction of factors in the external environment upon the actions of psychotropic drugs in humans. Evans WO. Fed Proc 29:1994-9, Nov-Dec 70 (60 ref.)
Relationship between antitumor activity and chemical structure in psychotropic agents. Kanzawa F, et al.
Gann 61:529-34, Dec 70
Studies on rat brain acetylcholine and cholinesterase. II. The influence of centrally acting drugs. Naik SR, et al. Indian J Med Res 58:480-6, Apr 70
Studies on hypotensive action of properiazine. Singh KP, et al. Indian J Med Res 58:1467-74, Oct 70
The frog as a subject for screening thymoleptic drugs. Lapin IP, et al. J Pharm Pharmacol 22:781-2, Oct 70
Effect of apomorphine and pimozide on synthesis and turnover of labelled catecholamines in mouse brain. Nybäck H, et al. J Pharm Pharmacol 22:622-4, Aug 70
The structure-activity relationship of tricyclic amines. Baur EW. J Pharmacol Exp Ther 177:319-26, Apr 71
Locus of action of centrally acting muscle relaxants, diazepam and tybamate. Tseng TC, et al.
J Pharmacol Exp Ther 178:350-60, Aug 71
Psychotropic drugs and fertility. Rogers SC, et al.
J Psychosom Res 14:383-6, Dec 70
The effects of certain drugs on phonation. Fishman BV, et al. J Speech Hear Res 14:301-6, Jun 71
Interaction of alcohol with sedatives and tranquillisers (a study of blood levels at loss of consciousness following rapid infusion). Dundee JW, et al.
Med Sci Law 10:220-4, Oct 70
Neuroleptic drugs and the central dopaminergic system. Antagonism between L-dopa and some butyrophenones on the EEG and motor effects elicited by stimulation of the mesencephalon in the rabbit. Fiorio V, et al.
Neuropharmacology 10:45-54, Jan 71
The "staircase maze" and the "simple staircase" in the analysis of the psychopharmacological action of CNS depressants. Molinengo L, et al.
Pharmacology 4:169-78, 1970
Effects of nicotine, nicotine monomethiodide, lobeline, chlordiazepoxide, meprobamate and caffeine on a discrimination task in laboratory rats. Geller I, et al.
Psychopharmacologia 20:355-65, 1971
Drug effects on a measure of unconditioned avoidance in the rat. Morrison CF, et al.
Psychopharmacologia 18:133-43, 1970
The influence of various neuroleptic drugs on noise escape response in rats. Niemegeers CJ, et al.
Psychopharmacologia 18:249-59, 1970
Somatosensory evoked potential changes during thiothixene treatment in schizophrenic patients. Saletu B, et al. Psychopharmacologia 20:342-52, 1971
Differential activity of some psychotropic drugs as a function of emotional level in animals. Valzelli L, et al.
Psychopharmacologia 20:91-6, 1971
A simple and reliable conflict procedure for testing anti-anxiety agents. Vogel JR, et al.
Psychopharmacologia 21:1-7, 1971
Effects of various drugs on 3,4-dihydroxyphenylalanine (DL-DOPA)-induced excitation (agressive behavior) in mice. Yen HC, et al.
Toxicol Appl Pharmacol 17:597-604, Nov 70
[Serum enzymes after high doses of anesthetics with neuroleptics] Delaruelle J, et al.
Acta Anaesthesiol Belg 20:110-8, 1969 (Dut)
[Study of a trial method specific for anxiolytics] Boucard M, et al.
C R Soc Biol (Paris) 164:754-9, 1970 (Fre)
[Influence exerted by several psycholeptic drugs on behavior of the scorpion (Androctonus australis Hector)] Mercier J, et al.
C R Soc Biol (Paris) 164:341-4, 25 Sep 70 (Fre)
[Neurophysiological study of Ro-05-4023] Vuillon-Cacciuttolo G, et al.
C R Soc Biol (Paris) 164:572-6, 1970 (Fre)
[Effect of 2 ethyl-3 propyl-glycinamide on blood sugar in rabbits] Sassine A, et al.
J Physiol (Paris) 62:Suppl 2:314, 1970 (Fre)
[Clopenthixol (AY-62021) in premedication; its indications in medicosurgical emergencies] Paradis B, et al. Laval Med 40:243-9, Mar 69 (Fre)
[Bipotassic clorazepate in pediatrics] Bouvier R.
Rev Fr Odontostomatol 46:1043-5, Dec 70 (Fre)
[Pharmacological analysis of a case of postanoxic intention and action myoclonus] Lhermitte F, et al.
Rev Neurol (Paris) 124:21-31, Jan 71 (Fre)
[Electroencephalography of hepatic coma (influence of various neurotropic treatments on its morphology?)] Schwartz BA, et al.
Rev Neurol (Paris) 122:535-9, Jun 70 (Fre)
[Bipotassic clorazepate in pediatrics] Bouvier R.
Therapeutique 46:1043-5, Dec 70 (Fre)
[Action of some tranquilizers on the uptake of 35 S-methionine in liver and brain proteins] Safta L, et al. Acta Biol Med Ger 25:363-6, 1970 (Ger)
[Studies on the effect of a new psychotropic drug 1-((methylamino)methyl)-dibenzo(b,e)bicyclo-(2,2,2)octadiene hydrochloride on the CO2 sensitive central respiratory regulation] Geisler L, et al.
Arzneim Forsch 20:957-8, Jul 70 (Ger)
[Pharmacopsychological test. Influence of thioridazine and 4-(1methyl-4-piperidylidene)-9,10-dihyo-4H-benzo[4,5]cyclohepta[1,2-b]-thiophene and their combination on drive i normal test subjects in the acute experiment] Ghring A, et al.
Arzneim Forsch 2:15-20, Jan 71 (4 REF.) (Ger)
[Psychotropic activity under the influence of fenpentadiol] Ginet J, et al.
Arzneim Forsch 21:1-8, Jan 71 (Ger)
[2-ethylamino-6-chloro-4-methyl-4-phenyl-4H-3,1-benzoxazine, a new psychotropic compound] Hoffmann I, et al. Arzneim Forsch 20:975, Jul 70 (Ger)
[Studies on a possible teratogenic action of fenpentadiol in mice and rats] Kriegel H.
Arzneim Forsch 21:13-5, Jan 71 (Ger)
[Pharmacology of catatonigenic agents. 5. The effect of neuroleptics] Stille G.
Arzneim Forsch 21:800-8, Jun 71 (Ger)
[Experimental and clinical studies on the effect of Rompun in cattle] Goranov S, et al.
Dtsch Tieraerztl Wochenschr 78:485-9 contd, 15 Sep 71 (Ger)
[Behavior and efficiency in street traffic and in pharmacopychological experiment] Mayer K.
Hefte Unfallheilkd 99:188-91, 1969 (Ger)
[Kavain as a psychopharmacologic agent] Kretschmer W. Munch Med Wochenschr 112:154-8, 23 Jan 70 (Ger)
[Electrocardiographic changes in anxiolytic treatment with dipotassium chlorozepate in comparison with other benzodiazepine compounds] Granata A, et al.
Folia Med (Napoli) 53:27-33, Jan 70 (Ita)
[Drug sensitivity of soil amoebas of the Hartmannella and Naegleria species, causative agents of meningoencephalitis] De Carneri I.
Riv Parassitol 31:1-8, Mar 70 (Ita)
[Effect of psychotropic drugs on sleep and levels of wakefulness] Yamaguchi N, et al.
Adv Neurol Sci (Tokyo) 14:877-85, Apr 71 (Jap)
[Introduction of mass psychology in animals to pharmacology. 6. Mutural relation in simultaneity convulsion and non-convulsin in E1-mice] Kita T, et al.
Folia Pharmacol Jap 66:449-57, 20 Jul 70 (Jap)
[Symposium--drug action and animal behavior. 6. Behavioral characteristics of the rat with bilateral lesions of the olfactorybulbs] Ogawa N, et al.
Folia Pharmacol Jap 66:80, 20 Jul 70 (Jap)
[Neuropharmacological studies on the effects of a new psychotropic drug, "Oxazolam"] Sakai Y, et al.
Folia Pharmacol Jap 66:706-22, 1970 (Jap)
[Pharmacological studies on psychotropic drugs especially the effects of thiothixene] Shibuya T, et al.
J Tokyo Med Coll 27:839-57, Nov 69 (Jap)
[The effects of psychotropic drugs upon the photically driven theta response of EEG] Yamauchi I.
Psychiatr Neurol Jap 73:266-86, Apr 71 (Jap)
[Pharmacologic effects of psychotropic drugs and catecholamines] Maj J.
Postepy Hig Med Dosw 25:215-29, 1971 (Pol)
[Studies on the effect of stress factors, external irradiation and selected pharmacological agents on the retention of radioactive cesium (CS 137) in rat body] Majle T.
Rocz Panstw Zakl Hig 21:497-508, 1970 (Pol)
[Use of Adumbran as a relaxant and tranquilizer in preanesthetic medication] Barbosa BI, et al.
Hospital (Rio de J) 77:2067-71, Jun 70 (Por)
[The influence of various psychotropic drugs on the central effects of 5-hydroxytryptophan in rats] Vysokovskif TM, et al.
Biull Eksp Biol Med 71:53-6, Mar 71 (Rus)
[Tranquilizing effect of saiga horn extract] Brekhman II, et al. Farmakol Toksikol 34:36-8, 1971 (Rus)
[Neurotropic properties of fluphenazine] Liubimov BI, et al. Farmakol Toksikol 34:287-90, May-Jun 71 (Rus)
[Effect of hydroxyzine and oxyiidine on the central nervous system] Novikova GV, et al.
Farmakol Toksikol 34:131-5, 1971 (Rus)
[Effect of elenium on the activity of adenosine triphosphatases in brain] Savchenko ZI.
Ukr Biokhim Zh 42:28-30, 1970 (Rus)
[Effect of neurotropic drugs on the escape reaction of 1 animal to pain stimulation of another] Burov IuV, et al. Zh Vyssh Nerv Deiat 21:618-20, May-Jun 71 (Rus)

POISONING

Poisoning with psychoactive drugs. Teitelbaum DT.
Pediatr Clin North Am 17:557-67, Aug 70
[Acute poisoning by phenothiazine amines. (Apropos of 152 cases)] Fréjaville JP, et al.
Ann Med Interne (Paris) 121:1057-64, Dec 70 (Fre)
[Electrocardiographic changes during poisoning by barbiturates and tranquilizing agents (apropos of 250 cases)] Savinel E, et al.
Lille Med 16:425-36, Mar 71 (Fre)
[Indications and contraindications for hemodialysis in drug intoxication] Viskoper JR, et al.
Harefuah 80:17-8, 1 Jan 71 (Heb)
[Acute accidental poisonings caused by psychopharmacological agents in childhood] Pavesio D, et al. Minerva Pediatr 22:1524-33, 28 Jul 70 (Ita)

SUPPLY & DISTRIBUTION

[Control of stupefacient drugs] Rolland B.
Arch Belg Med Soc 28:249-56, Apr 70 (Fre)
[Study of the use of psychodrugs in the Zittau District (August 1968)] Hanzi W.
Dtsch Gesundheitsw 25:322-4, 20 Feb 70 (Ger)

THERAPEUTIC USE

Relationship between the hospital milieu and the response to phenothiazines in the treatment of schizophrenics. Klerman GL, et al.
Acta Psychiatr Belg 70:716-29, Nov 70
Evaluation of the therapeutic effect of neuroleptics upon the higher nervous activity in schizophrenia. Saarma J, et al. Acta Psychiatr Belg 70:753-61, Nov 70
Physicians' drug manual.
Behav Neuropsychiatry 2:161-71, Aug-Sep 70
Pimozide compared with fluphenazine in schizophrenia. Kenway AK, et al.
Br J Clin Pract 25:69-72, Feb 71
The controlled evaluation of a new tranquillizing drug medazepam in the treatment of anxiety. Silverstone JT, et al. Br J Clin Pract 25:172-4, Apr 71
Gradual withdrawal of tranquilizers with the help of ascorbic acid. Jancar J.
Br J Psychiatry 117:238-9, Aug 70
A comparative double blind trial of pimozide and fluphenazine in chronic schizophrenia. Morris PA, et al. Br J Psychiatry 117:683-4, Dec 70
Medazepam compared with amylobarbitone in treatment of anxiety. Kerry RJ, et al.
Br Med J 1:151-2, 16 Jan 71
Pupillary paralysis after tranquilizer. Pearson R.
Br Med J 3:639, 11 Sep 71
Antipsychotic drugs: an essential tool of community

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

psychiatry. Varsamis J.
Can J Public Health 61:432-5, Sep-Oct 70
Oxypertine and thiothixene in newly admitted schizophrenic patients. A further search for specific indications of antipsychotic drugs. Hollister LE, et al.
Clin Pharmacol Ther 12:531-8, May-Jun 71
Study of molindone in disturbed preschool children.
Campbell M, et al. Curr Ther Res 13:28-33, Jan 71
Clomacran and chlorpromazine in psychotic outpatients: a controlled study. Case WG, et al.
Curr Ther Res 13:337-43, Jun 71
A clinical study with propericiazine in chronic psychotic patients. Deutsch M, et al.
Curr Ther Res 13:353-8, Jun 71
SCH 12041. A new antianxiety agent. Gallant DM, et al.
Curr Ther Res 13:107-10, Feb 71
Metiapine: a new antipsychotic agent. Gallant DM, et al.
Curr Ther Res 12:794-7, Dec 70
Relative efficacy of butaperazine and chlorpromazine in acute schizophrenia. Gershon S, et al.
Curr Ther Res 12:810-8, Dec 70
The clinical effects of intramuscular thiothixene and trifluoperazine in chronic schizophrenia: a comparative study. Holden JM, et al.
Curr Ther Res 13:298-310, May 71
Piperacetazine (Quide) in the management of behavioral disorders in mildly retarded institutionalized boys. Kurland AA, et al.
Curr Ther Res 12:798-804, Dec 70
Clinical experience with pimozide. Pöldinger W.
Curr Ther Res 13:23-7, Jan 71
An evaluation of metiapine in chronic schizophrenia. Simpson GM, et al. Curr Ther Res 13:257-63, Apr 71
Agreement on specificity of psychotropic drugs. Sletten IW, et al. Curr Ther Res 13:292-7, May 71
A controlled study of fluspirilene in chronic schizophrenia. Villeneuve A, et al.
Curr Ther Res 12:819-27, Dec 70
Unexpected failure of a satisfactory anti-depressive drug routine to control hostile expression in psychiatric out-patients. McLaughlin BE.
Dis Nerv Syst 31:Suppl:88-91, Nov 70
Evaluation of diphenidol in the symptomatic treatment of labyrinthine vertigo. Corvera J, et al.
Eye Ear Nose Throat Mon 49:190-4, Apr 70
The use of psychopharmacological drugs in the aged. Webb WL Jr. Geriatrics 26:94-103, Jun 71
Effectiveness of various tranquilisers in the management of senile restlessness. Tewfik GI, et al.
Gerontol Clin (Basel) 12:351-9, 1970
Three months' experience with thiothixene. A useful new drug for schizophrenia. De Tatz JC.
Hawaii Med J 30:174-7, May-Jun 71
Thiothixene in chronic schizophrenia. A clinical trial. Yilmaz AH. Hawaii Med J 30:178-82, May-Jun 71
Drug therapy in alcoholism. It is especially important in the prevention of such complications as seizures, DT's, Wernicke's encephalopathy, or polyneuritis. Oge V. Ill Med J 139:606-10, Jun 71
The general use of psychotropic drugs. Swanson DW, et al. Ill Med J 130:642-7, Nov 66
Hyperkineticism in children. Ill Med J 138:618, Dec 70
Combination medications in psychiatric treatment: patterns in a group of elderly hospital patients. Fracchia J, et al. J Am Geriatr Soc 19:301-7, Apr 71
Comparison of prazepam and placebo in the treatment of convalescing narcotic addicts. Sugerman AA, et al.
J Clin Pharmacol 11:383-7, Sep-Oct 71
A pilot study of thiothixene in anxiety neurosis. Kishore B, et al. J Indian Med Assoc 55:92-7, 1 Aug 70
Clinical experience with piperacetazine in hospitalized mental patients. A four year study. Ralston JD, et al.
J Indiana State Med Assoc 63:1291-6, Nov 70
Anti-anxiety agents. Finn R.
J Iowa Med Soc 60:583-4, Aug 70
Relation of hypermagnesaemia to activity and neuroleptic drug therapy in schizophrenic states. Brackenridge CJ, et al.
J Neurol Neurosurg Psychiatry 34:195-9, Apr 71
Pericyazine in clinical practice. Jenner FA.
Laval Med 41:796-804, Jun 70
Antianxiety and anti-depressant drugs.
Med Lett Drugs Ther 12:21-3, 6 Mar 70
Mesoridazine (Serentil).
Med Lett Drugs Ther 13:4, 8 Jan 71
Mesoridazine (Serentil) again.
Med Lett Drugs Ther 13:18-9, 5 Mar 71
Medazepam: a new tranquillizer.
Practitioner 206:688-90, May 71
Psychopharmacology in the geriatric patient. Reed M.
Rocky Mt Med J 68:44-8, Jul 71
I. Minor tranquilizers. Kehoe MJ.
South Med J 64:366-9, Mar 71
Treatment of puerperal psychosis in sows by sedative and anaesthetic drugs. Lewis CJ, et al.
Vet Rec 87:616-7, 14 Nov 70
[Clotepin] Melich H.
Cas Lek Cesk 110:404-5, Apr 71 (Cze)
[Medazepam (Nobrium) in the therapy of psychoneuroses (preliminary report)] Vencovský E.
Cesk Psychiatr 67:14-7, Feb 71 (Cze)
[Influence of antipsychotic drugs on the social rehabilitation of schizophrenics] Steiness E.
Nord Med 85:14-9, 7 Jan 71 (Dan)
[Insulinotherapy and schizophrenia] Luyssaert W, et al. Acta Neurol Belg 69:315-35, May 69 (Fre)
The place of sulpiride (Dogmatil) in chemotherapy of autism] Collard J, et al.
Acta Psychiatr Belg 71:42-55, Jan 71 (Fre)
[Problems raised by tranquilizing agent therapy in Italy] Fazio C, et al.
Acta Psychiatr Belg 70:743-52, Nov 70 (Fre)
[How can clinical trials be improved?] Hamilton M.
Acta Psychiatr Belg 70:703-11, Nov 70 (Fre)
[Statistical notes] Lennes G.
Acta Psychiatr Belg 70:711-5, Nov 70 (Fre)
[Can the psychopathology of plastic expressions of mental patients be considered as a method of studying tranquilizing agents?] Volmat R, et al.
Acta Psychiatr Belg 70:695-702, Nov 70 (Fre)
[Comparative study of 2 drugs and a placebo in chronic schizophrenia] Tetreault L.
Actual Pharmacol (Paris) 22:1-18, 1969 (Fre)
[Testing of premedication using injectable 4306-CB (apropos of 316 observations)] Malavaud A, et al.
Anesth Analg (Paris) 28:347-53, Mar-Apr 71 (Fre)
[Evaluation of flupenthixol (emergil)] Bourgeois M.
Ann Med Psychol (Paris) 1:434-43, Mar 71 (Fre)
[Sulpiride and psychoses. Apropos of 112 cases] Sutter JM, et al.
Ann Med Psychol (Paris) 1:102-12, Jan 71 (Fre)
[Results of the clinical experimentation with CB 4261 (Tetrazepam) affecting spasticity in neurologic diseases. Use of secondary effects (56 cases)] Turon R, et al. Bord Med 3:2193-204, Sep 70 (Fre)
[Double-blind study of the eutrophic effect of buclizine on children] Bormans A.
Brux Med 51:291-3, Apr 71 (Fre)
[Clinical evaluation of buclizine for underweight patients] Hermans W. Brux Med 51:295-8, Apr 71 (Fre)
[Appetite stimulation and weight increase with buclizine] Lamy F. Brux Med 51:287-90, Apr 71 (Fre)
[Research on pharmacodynamic reinforcement of neuroleptics by the 1035 M.D.] Sizaret P, et al.
Encephale 59:278-88, May-Jun 70 (Fre)
[Clinical trial of sulpiride in vertige in 25 cases] Gignoux M, et al.
J Fr Otorhinolaryngol 18:823-8, Dec 69 (Fre)
[Use of tetrazepam in the treatment of contractures during neurological diseases] Bady B, et al.
J Med Lyon 50:1337-42, 5 Oct 69 (Fre)
[Use of a new benzodiazepine: Ro 5-4556 in hospital practice] Bothier MF.
J Med Lyon 51:989-91, 20 Apr 70 (Fre)
[Value of Sureptil during long term treatments with psychotropes] Loste J, et al.
J Med Lyon 51:1231-2 passim, 20 May 70 (Fre)
[Utilization of tranquilizers in institutions] Chanoit P.
Laval Med 41:805-13, Jun 70 (Fre)
[Effect of propericiazine on behavior disorders of children and adolescents] Duche DJ.
Laval Med 41:784-8, Jun 70 (Fre)
[Psychopharmacotherapy in child psychology: paradoxal responses and difficulties encountered] Hiliel JM. Laval Med 42:582-4, Jun 71 (Fre)
[Current concepts of various aspects of the pharmacology of neuroleptics] Julou L, et al.
Laval Med 41:845-57, Jun 70 (Fre)
[Pulsional economy and chemotherapy] Pelicier Y.
Laval Med 41:789-95, Jun 70 (Fre)
[Effects of withdrawal of neuroleptics on psychiatric patients] Villeneuve A, et al.
Laval Med 41:512-21, Apr 70 (Fre)
[Clinical trial of a new neuroleptic: sulpiride] Nayrac P, et al. Lille Med Suppl 2:237+, Mar 69 (Fre)
[Clinical study of 1036 MD in the treatment of coronary insufficiency] Warembourg H, et al.
Lille Med Suppl 6:1361+, Nov 70 (Fre)
[Functional cardiovascular disorders and their treatment by a tranquilizer: Tranxene] Loire R, et al.
Lyon Med 221:889-91, 13 Apr 69 (Fre)
[Value of a new benzodiazepine (Medazepam) in gynecology and obstetrics (30 cases)] Notter A.
Lyon Med 225:767-71, 25 Apr 71 (Fre)
[Value in rheumatology of a combination of a muscle relaxant, an analgesic and a corticoid] Doury P.
Maroc Med 49:296-9, May 69 (Fre)
[Therapeutic study of an anxiolytic agent: dipotassic clorazepate in cardiology] Medvedowsky JL, et al.
Mars Med 108:69-71, 1971 (Fre)
[Trial of a new anxiolytic agent (RO-4556) in cardiologic practice] Roux M, et al.
Mars Med 107:683-7, 1970 (Fre)
[Psychology, psychopharmacology and general anesthesia in pedodontics] Falcolini G.
Rev Belge Med Dent 26:39-49, 1971 (Fre)
[Current neuroleptics in the treatment of depressions] Volmat R, et al.
Rev Fr Odontostomatol 48:1017-30, Dec 70 (Fre)
[Sulpiride trials in gastroenterology. Apropos of 45 epigastralgic syndromes] Kressmann P, et al.
Rev Lyon Med 18:475-82, Jul-Aug 69 (Fre)
[Anti-fatigue and anti-asthenia drugs] Schaepdryver A de. Rev Med Liege 26:207-15, 15 Mar 71 (Fre)
[Apropos of a new psychotropic drug, Nobrium] Bonard EC, et al.
Rev Med Suisse Romande 90:939-44, Dec 70 (Fre)
[Use of dipotassium clorazepate (4306 CB preparation) in bronchial endoscopy (250 cases)] De Ren G, et al.
Rev Tuberc Pneumol (Paris) 33:1023-6, Nov 69 (Fre)
[Sulpiride for peptic ulcer] Cornet A, et al.
Sem Hop Paris 45:840-61, 14 Mar 69 (Fre)
[Value of the anxiolitic-antispasmodic association in digestive pathology] Viguié R.
Therapeutique 46:941-3, Nov 70 (Fre)
[Current neuroleptics in the treatment of depressions] Volmat R, et al.
Therapeutique 46:1017-20, Dec 70 (Fre)
[Clinical study of oxaflumazine; its place among the neuroleptics] Deniker P, et al.
Therapie 26:227-33, Jan-Feb 71 (Fre)
[Comparative study of butaperazine and prochlorperazine for schizophrenia in acute phase] Albert JM, et al. Union Med Can 99:1232-5, Jul 70 (Fre)
[Efficiency of a newly developed antiemetic for the prevention of postoperative vomiting] Lutz H, et al.
Anaesthesist 20:63-5, Feb 71 (Ger)
[2-chloro-11(4'-methylpiperazino)-dibenzo-(b,f)(1,4)-oxazepine (Sum 3170), a new neuroleptic. Results of clinical testing] Angst J, et al.
Arzneim Forsch 20:967-70, Jul 70 (Ger)
[Information-statistical studies on the structure of simple response sequences in endogenous psychoses] Axmacher I, et al.
Arzneim Forsch 20:919-21, Jul 70 (Ger)
[Treatment of skin parasite delusion] Bauer A, et al.
Arzneim Forsch 20:884-6, Jul 70 (Ger)
[Time relationship between the appearance of persisting extrapyramidal hyperkineses and psychotic recurrences following sudden interruption of prolonged neuroleptic therapy of chronic schizophrenic patients] Degkwitz R, et al.
Arzneim Forsch 20:890-3, Jul 70 (Ger)
[Intragastric telemetric pH measuring during thymoleptic therapy] Fischbach R.
Arzneim Forsch 20:923-5, Jul 70 (Ger)
[Neuropsychotropic drugs in the treatment of so-called pain syndromes] Mertens HG, et al.
Arzneim Forsch 20:928-30, Jul 70 (Ger)
[Psychotropic drug therapy and pharmaceutical industry] Modestin J.
Arzneim Forsch 20:877-9, Jul 70 (Ger)
[Experiences with propericiazine in the treatment of functional psychomotor disorders and states of restlessness in childhood] Seebandt G.
Arzneim Forsch 20:937-9, Jul 70 (Ger)
[Dream activation by thymoleptics] Tölle R, et al.
Arzneim Forsch 20:886-7, Jul 70 (Ger)
[The treatment of depression with chlorimipramine (Anafranil)] Jovanović UJ, et al.
Med Klin 65:280-3, 6 Feb 70 (Ger)
[Prevention and treatment of postoperative vomiting] Peter K, et al. Med Klin 66:562-4, 9 Apr 71 (Ger)
[Psychosomatic aspects and clinical experiences in functional diseases in neurology] Berghammer K.
Med Monatsschr 25:376-7, Aug 71 (Ger)
[Psychotropic effect of carbamazepin in nonepileptic children] Groh C, et al.
Med Monatsschr 25:329-33, Jul 71 (Ger)
[Persumbran for prolonged therapy of coronary insufficiency symptoms] Hehenkamp G.
Med Monatsschr 24:313-5, Jul 70 (Ger)
[Acute psychotic conditions] Kulenkampff C.
Med Welt 19:802-4, 8 May 71 (Ger)
[Practical experiences with a new concept cardiac drug (Gradulon)] Possel H.
Med Welt 33:1293-4, 21 Aug 71 (Ger)
[Psychiatric clinical picture and psychopharmacs] Bohle FJ.
Mitt Dtsch Pharm Ges 40:225-45, Sep 70 (Ger)
[Treatment of choreatic disorders with thiopropazate (Dartal)] Neundörfer B, et al.
Nervenarzt 42:230-2, Jun 71 (Ger)
[Range and mechanism of action of psychopharmacological drugs] Pöldinger W.
Praxis 60:711-9, 1 Jun 71 (Ger)
[Assertion possibilities of a test with psychopharmacology] Heimann H.
Ther Umsch 28:241-5, Apr 71 (Ger)
[Possibilities and limits of modification of symptoms in the spondylogenous syndrome with psychotropic substances] Straube W.
Verh Dtsch Ges Rheumatol 1:405-9, 1969 (Ger)
[Therapeutic experiences with oxazepam--a derivative of the benzodiazepine series--in child and adolescent psychiatry] Nievoll A.
Wien Klin Wochenschr 83:251-4, 9 Apr 71 (Ger)
[Psychopharmacologic drugs in general practice] Pöldinger W.
Wien Klin Wochenschr 82:73-8, 30 Jan 70 (Ger)
[Psychovegetative syndrome and its treatment] Delins L. Wien Med Wochenschr 121:171-5, 6 Mar 71 (Ger)
[Therapeutic results with a new benzodiazepine derivative] Hartl O.
Wien Med Wochenschr 121:142-5, 20 Feb 71 (Ger)
[Psychopharmacologic contribution to the clinical use of a psychosedative] Pernhaupt G, et al.
Wien Med Wochenschr 120:737-40, 17 Oct 70 (Ger)
[Cyprohepatadine in emaciated psychotics: anti-anorexic action and effect on basic neuroleptic therapy] Pastore G, et al.
Acta Neurol (Napoli) 25:372-4, May-Jun 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[On the chemiotherapy of depressive conditions] Fouks, et al.
Ann Med Psychol (Paris) 1:778-84, May 69 (Ita)
[Importance of delayed-action neuroleptics] Fouks, et al. Ann Med Psychol (Paris) 1:772-8, May 69 (Ita)
[Importance of delayed-action neuroleptics] Fouks, et al. Ann Med Psychol (Paris) 127:772-8, May 69 (Ita)
[On the chemiotherapy of depressive conditions] Fouks, et al.
Ann Med Psychol (Paris) 127:778-84, May 69 (Ita)
[Experience with drug therapy of aggressive behavior of psychogenic origin during the evolutive age] Frattegiani A, et al.
Arch Ital Pediatr Puericult 26:347-53, May-Aug 69 (Ita)
[Clinical observations on the therapeutic activity of clopenthixol in the psychiatric field] Andreani G, et al. G Psichiatr Neuropatol 98:505-20, 1970 (Ita)
[Clinical tests of the anxiolytic effect of clopenthixol in small doses] Bovi A.
G Psichiatr Neuropatol 98:521-8, 1970 (Ita)
[Clinical trial of a new anxiolytic drug: SAS 538] Arioni Faccini BM, et al.
Minerva Med 62:669-82, 21 Feb 71 (Ita)
[On the current possibilities of drug therapy of drug therapy of abnormalities of behavior of the character type in infants and children] Zucchi M.
Minerva Med 61:4542-50, 13 Oct 70 (Ita)
[The psychotropic drugs in internal medicine: action of a new benzodiazepine (Nobrium)] Chiti E.
Policlinico [Prat] 77:901-11, 13 Jul 70 (Ita)
[Social aspects of psychopharmacology] Santorelli G.
Rass Int Clin Ter 50:645-52, 31 May 70 (Ita)
[Electroencephalographic changes induced with psychopharmacologic agents; clinico-electrophysiological correlations for a "guided therapy"] Mascicocchi A, et al.
Riv Neurobiol 16:3-61, Jan-Mar 70 (Ita)
[Flupenthixol in the treatment of chronic schizophrenia] Arnone A, et al.
Riv Sper Freniatr 94:351-74, 30 Apr 70 (Ita)
[Double-blind study of the use of Nobrium in ambulatory therapy] Pasini E.
Riv Sper Freniatr 94:726-55, 30 Jun 70 (Ita)
[Clinical use of S-804 in urology] Hayashi I, et al.
Acta Urol Jap 16:892-6, Nov 70 (Jap)
[Use of tranquilizers in relief of postoperative pain] Kobayashi K. Jap J Anesthesiol 19:1330-3, Nov 70 (Jap)
[Postoperative pain and treatment with tranquilizers] Wakusawa R. Jap J Anesthesiol 19:1334-9, Nov 70 (Jap)
[Comparative evaluation of the effect of minor tranquilizers, benzodiazepine derivatives, medazepam (S-804) and diazepam on psychosomatic symptoms--estimtion of dosage ratio by the double blind method] Fukuda I, et al.
Saishin Igaku 26:1564-7, 10 Aug 71 (Jap)
[Treatment of psychoneurosis by medazepam--with special reference to therapy of disorders of autonomic nervous system] Toru M, et al.
Saishin Igaku 26:553-62, Mar 71 (Jap)
[ECG picture in the course of treatment of schizophrenia with phenothiazine derivatives] Weibel L, et al. Psychiatr Pol 5:49-54, Jan-Feb 71 (Pol)
[Attempts at treatment of children at a special institution with propericiazine] Więcek Z.
Psychiatr Pol 5:61-3, Jan-Feb 71 (Pol)
[Stress during labor. Observations on a new tranquilizer] Chamma Neto M, et al.
Hospital (Rio de J) 78:511-6, Aug 70 (Por)
[Clinical experience on the use of psychotropics in the Hospital Afrânio Peixoto] Chappman AH, et al.
Hospital (Rio de J) 78:745-9, Sep 70 (Por)
[1st results with a new tranquilizing of the benzodiazepine series: temazepam] Guz I.
Hospital (Rio de J) 78:1143-6, Oct 70 (Por)
[Therapeutic results of the emotional factor in gynecologic endocrine diseases] Halbe HW, et al.
Hospital (Rio de J) 78:567-72, Aug 70 (Por)
[Pilot study on the treatment of anxiety neuroses with mesoridazine] Hetem G.
Hospital (Rio de J) 77:993-1003, Mar 70 (Por)
[Preliminary clinical trials a new benzodiazepine tranquilizing agent: Temazepan (ER-115)] Madalena JC, et al.
Hospital (Rio de J) 78:1417-23, Nov-Dec 70 (Por)
[Study of a new thioxanthene derivative in the treatment of psychoses] Mariz P, et al.
Hospital (Rio de J) 78:883-9, Sep 70 (Por)
[Our experience with Tranxilene in the treatment of the nervous obese] Mirsky S.
Hospital (Rio de J) 78:1447-56, Nov-Dec 70 (Por)
[Clinical experimentation with a new benzodiazepinic: temazepan] Sokolovsky A, et al.
Hospital (Rio de J) 78:545-57, Aug 70 (Por)
[Clinical observation of a new anxiolytic phenothiazine derivative] Vieira JC.
Hospital (Rio de J) 78:1147-53, Oct 70 (Por)
[Comparison of the characteristics of the effect of tranquilizing agents under experimental and clinical conditions] Vikhliaev IuI, et al.
Farmakol Toksikol 34:30-5, 1971 (Rus)
[Use of tranquilizers in dermatologic practice] Ashmarin Iula, et al.
Vestn Dermatol Venerol 44:6-12, Jun 70 (Rus)
[Use of trioxazine for the prevention of extreme emotional stress] Kuz'mich NS, et al.
Voen Med Zh 10:36-9, Oct 70 (Rus)
[The basic criteria for clinical evaluation of the effect of tranquilizers] Aleksandrovskiĭ IuA.
Zh Nevropatol Psikhiatr 70:1873-82, 1970 (Rus)
[Lyogen therapy of outcome states in schizophrenia with catatonic symptoms] Gorskiĭ GD, et al.
Zh Nevropatol Psikhiatr 70:1575-8, 1970 (Rus)
[Therapeutic results and complications in the use of lyogen in long-term schizophrenics] Kutsenok BM, et al. Zh Nevropatol Psikhiatr 70:1578-83, 1970 (Rus)
[Clinical experience with the use of parapenzolate bromide and fluphenazine in the treatment of duodenal and gastric ulcers] Messi G, et al.
Presse Med Argent 58:653-7, 1971 (Spa)
[Psychopharmacological agents, hypnotics, anesthetics and analgesics in sleep therapy] Arias Alvarez A.
Rev Esp Anestesiol Reanim 17:289-301, Apr 70 (Spa)

THERAPY

A contribution to pharmacotherapy of stuttering and cluttering. Sedláčková E.
Folia Phoniatr (Basel) 22:354-75, 1970

TOXICITY

Toxicologic studies of glycopyrrolate in combination with other drugs. Franko BV, et al.
Toxicol Appl Pharmacol 19:93-102, May 71
Prolonged toxicity studies with -(4-methylpiperidino)-p-fluorobutyrophenone, a new neuroleptic agent. Harper KH, et al.
Toxicol Appl Pharmacol 19:127-33, Jun 71
[Toxicological studies on fenpentadiol, a new psychotropic drug] Kriegel H, et al.
Arzneim Forsch 21:9-13, Jan 71 (Ger)

TRANSAMINASES see AMINOTRANSFERASES

(D9)

TRANSCORTIN (D10)

Plasma cortisol and cortisol bindin during insulin-induced hypoglycemic stress. Kwaku Adadevoh B. Am J Med Sci 262:38-42, Jul 71
Plasma cortisol levels and cortisol binding in normal and pre-eclamptic pregnancies. Kopelman JJ, et al.
Am J Obstet Gynecol 108:925-30, 15 Nov 70
Transcortin. A comparison of the cortisol-binding globulin from human and cavian plasma. Schneider SL, et al. Biochemistry 10:2086-93, 25 May 71
Transcortin activity as related to the age at discovery of diabetes mellitus. De Moor P, et al.
Clin Chim Acta 30:627-33, Dec 70
Kinetics of dissociation of 17-beta-hydroxysteroids from the steroid binding beta-globulin of human plasma. Heyns W, et al.
J Clin Endocrinol Metab 32:147-54, Feb 71
[The binding capacity of transcortin in myocardial infarct patients] Gerasimova EN, et al.
Kardiologiia 10:18-21, Jun 70 (Rus)
[Clinical significance of determining transcortin-bound hydrocortisone in chronic liver diseases] Loginov AS, et al.
Ter Arkh 42:51-5, Oct 70 (Rus)

ANALYSIS

Steroid-protein interactions. XXII. Extrapolation technique for determination of corticosteroid-binding globulin by gel filtration. Hoffmann W, et al. Anal Biochem 32:48-58, 15 Oct 69
Effects of anabolic steroids on hormone-binding proteins, serum cortisol and serum nonprotein-bound cortisol. Barbosa J, et al.
J Clin Endocrinol Metab 32:232-40, Feb 71
[Isolation and study of the physico-chemical properties of guinea pig transcortin] Rozen VB, et al.
Probl Endokrinol (Mosk) 16:81-5, May-Jun 70 (Rus)
[Effect of adrenalectomy on corticosterone fixation in blood plasma of rats] Kravchenko VI.
Fiziol Zh 14:533-6, Jul-Aug 68 (Ukr)

ANTAGONISTS & INHIBITORS

[Effect of o,p'-DDD on the binding ability of transcortin in dogs, rats, guinea pigs and chickens] Tron'ko MD, et al. Fiziol Zh 17:245-7, Mar-Apr 71 (Ukr)

BIOSYNTHESIS

[Biosynthesis of transcortin. Role of cyclic 3',5'-adenosine monophosphate in cellular mechanisms of biosynthesis] Guidollet J, et al.
Clin Chim Acta 30:689-95, Dec 70 (Fre)

BLOOD

[Effect of inflammation on 11-oxycorticosteroid, transcortin and adrenalin blood levels in rats] Golikov PP, et al.
Probl Endokrinol (Mosk) 16:66-8, Jul-Aug 70 (Rus)
Effect of o,p'-DDD on transcortin-binding ability in dogs] Komissarenko VP, et al.
Fiziol Zh 16:10-3, Jan-Feb 70 (Ukr)

ISOLATION & PURIFICATION

Purification of corticosteroid-binding globulin from human plasma by affinity chromatography. Rosner W, et al. J Clin Endocrinol Metab 33:193-8, Aug 71
[Isolation and study of the physico-chemical properties of guinea pig transcortin] Rozen VB, et al.
Probl Endokrinol (Mosk) 16:81-5, May-Jun 70 (Rus)
[Isolation and study of the physical chemical properties of transcortin from human retroplacental plasma] Volchek AG.
Vopr Med Khim 16:616-23, Nov-Dec 70 (Rus)

METABOLISM

Factors related to the between-person variation in the transcortin activity of normal adults. De Moor P, et al.
Clin Chim Acta 30:311-5, Nov 70
[Metabolism of corticosteroids in pregnancy. Role of estrogens in their plasma transport (transcortin) and in their hepatic catabolism] Arnaud P, et al.
Gynecol Obstet (Paris) 69:527-36, Nov-Dec 70 (Fre)
[Effect of thyroid hormones on the complexing of hydrocortisone with transcortin in gonadectomized guinea pigs] Fanchenko ND, et al.
Biull Eksp Biol Med 70:42-5, Dec 70 (Rus)
[Change in the binding capacity of the corticosteroid-binding blood plasma globulin in acute radiation sickness] Moroz BB, et al.
Biull Eksp Biol Med 67:28-30, 1969 (Rus)

TRANSCRIPTION, GENETIC see under GENETIC CODE (G1)

TRANSDUCER (H)

An epoxy-resin plug for long-term exteriorisation of electrical wires in grazing sheep. Marjoram AR, et al.
Aust Vet J 46:452-4, Sep 70
Unicity of information from chest wall vibrations measured by different transducers. Cosyns J, et al.
Bibl Cardiol 26:222-9, Mar-Apr 69
Control of culture mass in a chemostat. Brown DE, et al.
Biotechnol Bioeng 13:335-6, Mar 71
On the sensitivity calibration of implanted pressure transducers. Bicker AA, et al.
IEEE Trans Biomed Eng 17:353, Oct 70
The ultrasonic transducer. Kossoff G.
Int Ophthalmol Clin 9:523-41, Fall 69
Accurate method for measuring dP-dt with cardiac catheters and external transducers. Dear HD, et al.
J Appl Physiol 30:897-9, Jun 71
A quantitative description of the dynamics of excitation and inhibition in the eye of Limulus. Knight BW, et al. J Gen Physiol 56:421-37, Oct 70
Direct measurement of intracranial pressure after operation. Markakis E, et al.
J Neurol Neurosurg Psychiatry 33:715, Oct 70
A displacement transducer for measuring muscle shortening. Birdsall DL, et al.
J Physiol (Lond) 213:11P, Mar 71
High sensitivity isometric force transducers made with piezo-electric or piezo-resistive strain gauges. Chapman RA. J Physiol (Lond) 210:4P-6P, Sep 70
Measurement of left ventricular pressure and its first time derivative. Gabe IT, et al.
J Physiol (Lond) 206:48P-50P, Jun 70
The fertility of ewes after implantation of dummy pressure transducers in the uterine wall. Lehrer AR, et al. J Reprod Fertil 24:109-10, Jan 71
Catheter-tip transducer for continuous in-vivo measurement of oxygen tension. Parker D, et al.
Lancet 1:952-3, 8 May 71
Modifications to a miniature pressure transducer for the measurement of intracranial pressure. Eversden ID. Med Biol Eng 8:159-64, Mar 70
An inexpensive pulse transducer and cardiac tachometer. Roy OZ. Med Biol Eng 8:411-2, Jul 70
Tremor recording in Parkinson's disease. Meldrum SJ, et al. Phys Med Biol 15:249-54, Apr 70
Sensors. Wolff HS. Postgrad Med J 46:343, Jun 70
Detection of circulating bubbles in the intact mammal. Evans A, et al. Ultrasonics 8:216-7, Oct 70
Cadmium sulphide piezoelectric film transducers for on-machine' ultrasonic evaluation of spot-welds. Hussain SB. Ultrasonics 9:158-65, Jul 71
Design of a low-Q sonar transducer. Small DJ. Ultrasonics 9:154-7, Jul 71
[Equipment for recording isotonic muscle contractions with a mechanico-electric transducer] Menzel G. Z Med Labortech 12:106-14, 1971 (Ger)
[A new type of electric-transducer for medical research] Schandinischky L, et al.
Harefuah 78:280-1, 15 Mar 70 (Heb)
[A transducer of impulse activity from its outlet to an analog recorder] Dolotovskiĭ AN.
Fiziol Zh SSSR 56:279-81, Feb 70 (Rus)
[A method of registering muscle contractions using a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

piezo-electric transducer] Vovk MI.
Fiziol Zh SSSR 56:132-3, Jan 70 (Rus)
[Some problems of acoustic matching of ultrasonic diagnostic pickups] Chevnenko AA, et al.
Nov Med Priborostr 1:59-62, 1969 (Rus)
[Complex scanning pickup for ultrasonic echography] Gurevich MD, et al.
Nov Med Priborostr 1:50-8, 1969 (Rus)
[Thermal stability of transducers of diagnostic instruments based on semiconducting tensoresistors] Khazan AD, et al. Nov Med Priborostr 3:6-9, 1970 (Rus)
[Semiconductor module for diagnostic instruments] Khazan AD, et al.
Nov Med Priborostr 1:49-52, 1970 (Rus)
[Numeric parameters of pulsometric transducers and their standardization] Luk'ianov EK.
Nov Med Priborostr 2:18-22, 1969 (Rus)
[Capacitance transducer for contact-free registration of physiological functions] Luk'ianov EK, et al.
Nov Med Priborostr 3:3-5, 1970 (Rus)
[Some problems of systematization of the constructional principles and functional characteristics of transducers for diagnostic instruments] Lun'ianov EN, et al.
Nov Med Priborostr 1:110-6, 1967 (Rus)
[Study of a combination detector, selenium phototransducer plus scintillator, for radiation therapy] Mandel'tsvaig IuB.
Nov Med Priborostr 3:108-16, 1967 (Rus)
[Rating of a pneumatic pickup for respiration] Mironova NS. Nov Med Priborostr 2:47-51, 1969 (Rus)
[Ultrasonic transmitter for treatment of eye diseases by ultrasound and electrophoresis] Tsok RM, et al.
Vestn Oftalmol 2:82-3, 1971 (Rus)

ADVERSE EFFECTS

Electric shock hazard associated with pressure transducers. Graystone P, et al.
Anesthesiology 34:79-80, Jan 71

CLASSIFICATION

[Classification of pickups for diagnostic instruments] Luk'ianov EK, et al.
Nov Med Priborostr 1:3-19, 1970 (Rus)

DIAGNOSTIC USE

B-mode orbital ultrasonography. Purnell EW.
Int Ophthalmol Clin 9:643-65, Fall 69

INSTRUMENTATION

An isometric muscle force transducer. Meiss RA.
J Appl Physiol 30:158-60, Jan 71
A voltage-controlled force generator for calibrating sensitive transducers. Minns HG.
J Appl Physiol 30:895-6, Jun 71
[Electromechanical tensometric transducers for biological purposes] Lewartowski B, et al.
Acta Physiol Pol 22:297-301, Mar-Apr 71 (Pol)

TRANSDUCTION, GENETIC (G1)

Genetic analysis by transduction of Rhizobium meliloti mutants with changed symbiotic activity. Kowalski M.
Acta Microbiol Pol [A] 2:115-22, 1970
Transducing phages of Rhizobium meliloti. Kowalski M.
Acta Microbiol Pol [A] 2:109-13, 1970
Genetic aspects of methicillin resistance and toxin production in a strain of Staphylococcus aureus. Dornbusch K. Ann NY Acad Sci 182:91-7, 11 Jun 71
II. Experimental and clinical aspects of resistance determinants. Experimental transfer of antibiotic resistance in swine. Jarolmen H.
Ann NY Acad Sci 182:72-9, 11 Jun 71
The problems of drug-resistant pathogenic bacteria. Experimental and clinical aspects of resistance determinants. Observations on the in vivo transfer of R factors. Smith HW.
Ann NY Acad Sci 182:80-90, 11 Jun 71
Joint transduction of separate extrachromosomal drug resistance determinants in Staphylococcus aureus E169. Grubb WB, et al.
Biochem Biophys Res Commun 42:377-83, 5 Feb 71
Role of converting bacteriophage in antibiotic resistance of strains of Staphylococcus aureus. Clynes FA, et al. Biochem J 119:26P, Sep 70
Intraspecific transduction in Staphylococcus epidermidis and interspecific transduction between Staphylococcus aureus and Staphylococcus epidermidis. Yu L, et al.
Can J Microbiol 17:767-73, Jun 71
The G-S-T theory of cellular differentiation. Manner HW. Curr Mod Biol 3:332-4, Feb 71
Transfer-defective mutants of sex factors in Escherichia coli. II. Deletion mutants of an F-prime and deletion mapping of cistrons involved in genetic transfer. Otsubo E. Genetics 64:189-97, Feb 70
Transfer-defective mutants of sex factors in Escherichia coli. I. Defective mutants and complementation analysis. Otsubo E, et al.
Genetics 64:173-88, Feb 70
Genetic analysis of lysine auxotrophs of Staphylococcus aureus. Barnes IJ, et al.
J Bacteriol 105:553-5, Feb 71
Transduction and genetic homology between Pseudomonas species putida and aeruginosa. Chakrabarty AM, et al. J Bacteriol 103:830-2, Sep 70
Linkage groups in Bacillus pumilus determined by bacteriophage PBS1-mediated transduction. Lovett PS, et al. J Bacteriol 106:697-9, May 71
Transduction of R factors by a Proteus mirabilis bacteriophage. Nakaya R, et al.
J Bacteriol 106:773-83, Jun 71
Cotransduction of strA and ribosomal protein cistrons in Escherichia coli-Salmonella typhimurium hybrids. O'Neil DM, et al. J Bacteriol 105:947-56, Mar 71
Chromosomal location of the C gene involved in the biosynthesis of nicotinamide adenine dinucleotide in Escherichia coli K-12. Tritz GJ, et al.
J Bacteriol 104:45-9, Oct 70
Impaired transduction of R213 and its recovery by a homologous resident R factor. Yoshikawa M, et al.
J Bacteriol 106:523-8, May 71
Genetic transfer in Mycobacterium phlei. Gelbart SM, et al. J Gen Microbiol 64:253-4, Dec 70
Co-transduction with serB of a pleiotropic mutation affecting colicin E2 refractivity, ultraviolet sensitivity, recombination proficiency and surface properties of Escherichia coli K12. Threlfall EJ, et al.
J Gen Microbiol 62:383-98, Aug 70
High-frequency transfer of neomycin resistance between naturally occurring strains of Staphylococcus aureus. Lacey RW.
J Med Microbiol 4:73-84, Feb 71
Studies on polynucleotides. XCVII. Opposing orientations and location of the su+3 gene in the transducing coliphages phi-80psu+3 and phi-80dsu+3su-3. Miller RC Jr, et al.
J Mol Biol 56:363-8, 14 Mar 71
Distribution of nucleotides in Escherichia coli DNA from lambda-transducing phages. Yamagishi H, et al.
J Mol Biol 58:417-30, 14 Jun 71
Distribution of nucleotides in Escherichia coli DNA from phi-80 transducing bacteriophage. Yamagishi H.
J Mol Biol 58:405-16, 14 Jun 71
Dual control of arabinose genes on transducing phage lambda-dara. Schleif R, et al.
J Okla State Dent Assoc 59:127-50, 14 Jul 71
Lysis and lysogenization of groups A, C, and G streptococci by a transducing bacteriophage induced from a group G Streptococcus. Colón AE, et al.
J Virol 8:103-10, Jul 71
New generalized transducing bacteriopahge in Echerichia coli. Mise K, et al. J Virol 6:253-5, Aug 70
Isolation and characterization of a new generalized transducing bacteriophage different from P1 in Escherichia coli. Mise K. J Virol 7:168-75, Jan 71
Genetic structure of F-lac-tet factor. Harada K, et al.
Jap J Microbiol 14:423-6, Sep 70
Transduction of R factors with phage P1 from recombination-deficient Escherichia coli. Hashimoto H, et al. Jap J Microbiol 14:397-404, Sep 70
Conjugal transfer of UV-damaged F-prime sex factors and indirect induction of prophage- . George J, et al.
Mol Gen Genet 111:103-19, 1971
Gal transduction by phage lambda: on the origin and nature of LFT transducing genomes. Kayajanian G.
Mol Gen Genet 108:338-48, 1970
Complementation between uvr mutants of Streptococcus pyogenes. Malke H.
Mol Gen Genet 109:278-84, 1970
The molecular structure of the transducing particles of Salmonella phage P22. II. Density gradient analysis of DNA. Schmieger H. Mol Gen Genet 109:323-37, 1970
Transduction and skeletal evolution. Mourant AE.
Nature (Lond) 231:466-7, 18 Jun 71
Transduction in Mycobacterium smegmatis. Raj CV, et al. Nature (Lond) 228:280-1, 17 Oct 70
Evidence for the bidirectional replications of the Escherichia coli chromosome. Masters M, et al.
Nature [New Biol] 232:137-40, 4 Aug 71
Salting the transduction tale.
Nature [New Biol] 230:129, 31 Mar 71
Isolation and characterization of a transducing phage for Pseudomonas putida strain PMBL-1. Amelink-Koutstaal JM, et al.
Proc K Ned Akad Wet [Biol Med] 74:153-7, 1971
The SV40 pseudovirus: its potential for general transduction in animal cells. Grady L, et al.
Proc Natl Acad Sci USA 67:1886-93, Dec 70
Isolation of transducing particles of phi-80 bacteriophage that carry different regions of the Escherichia coli genome. Press R, et al.
Proc Natl Acad Sci USA 68:795-8, Apr 71
Appearance of transducing activity in P1-infected Escherichia coli. Harriman P. Virology 45:324-5, Jul 71
ES18, a general transducing phage for smooth and nonsmooth Salmonella typhimurium. Kuo TT, et al.
Virology 42:621-32, Nov 70
Lambda phage transduction of the bio A locus of Escherichia coli. Rolfe B. Virology 42:643-61, Nov 70
Specialized transduction of the salmonella hut operons by coliphage lambda: deletion analysis of the hut operons employing lambda phut. Smith GR.
Virology 45:208-23, Jul 71
[Observations on the H: r,(i) phase of Salmonella] Le Minor L, et al.
Ann Inst Pasteur (Paris) 120:62-71, Jan 71 (Fre)
[Simplified method for conjugational transference of R factors on solid culture media] Tiagunenko IuV.
Antibiotiki 16:158-62, Feb 71 (Rus)
[Transmission of multiple drug resistance in staphylococcal strains, isolated in the clinic] Smolianskaia AZ, et al. Lab Delo 11:669-72, 1970 (Rus)
[Transducing capacity of lambda-phage during disordered synthesis of the host bacterium cell wall] Amirov EIa, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:3-5, Jun 71 (Rus)
[Intensification of the severity of staphylococcal infection and transduction of determinants of penicillinase activity in experiments on albino mice] Shraer DP.
Zh Mikrobiol Epidemiol Immunobiol 47:77-82, Nov 70 (Rus)
[Production of streptomycin dependent (str-d) mutants of salmonellae by the transduction method] Shuster BIu, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:83-4, Sep 70 (Rus)

DRUG EFFECTS

[Relation of colicinogenic transduction to temperature conditions and chloramphenicol action] Blinkova LP, et al. Mikrobiologiia 38:656-62, Jul-Aug 69 (Rus)

TRANSFER AGREEMENT (N4)

"Routine" vs "therapeutic" transfer of chronic mental patients. Lentz RJ, et al.
Arch Gen Psychiatry 25:187-91, Aug 71
Immediate and long-range dangers to transfer of elderly patients from state hospitals to community facilities. Butler RN.
Gerontologist 10:250-60, Winter 70

TRANSFER (PSYCHOLOGY) (F1)

Pharmacological studies on an elementary model of learning--the fixation of an experience at spinal level. II. Specific shortening of the spinal cord fixation time (SFT) by a brain extract. Giurgea C, et al.
Arch Int Pharmacodyn Ther 191:292-300, Jun 71
Some specific transference, countertransference and supervisory problems in the analysis of a narcissistic personality. Oremland JD, et al.
Int J Psychoanal 52:267-75, 1971
Conditions for interhemispheric transfer of initially lateralized visual engrams in hooded rats. Bureďová O, et al. J Comp Physiol Psychol 75:200-5, May 71
Effect of heart-rate learning under curare on subsequent noncurarized avoidance learning. DiCara LV, et al. J Comp Physiol Psychol 69:368-74, Oct 69
Effect of irrelevent cues on discrimination acquisition and transfer in rats. Waller TG.
J Comp Physiol Psychol 73:477-80, Dec 70
Transfer of stimulus control: measuring the moment of transfer. Touchette PE.
J Exp Anal Behav 15:347-54, May 71
Transfer of verbal paired associates in mentally retarded individuals and normal children as a function of interlist similarity. Wilcox SJ, et al.
J Exp Child Psychol 10:277-86, Dec 70
Dimensional dominance and continuity theory. Kendler TS, et al. J Exp Psychol 83:300-18, Feb 70
Cue effectiveness as a function of differential preadaptation. Adamson RE, et al.
J Gen Psychol 82:207-14, Apr 70
The effect of task dimensionality on discrimination learning and transfer of training in the aged. Nehrke MF, et al. J Gerontol 26:151-6, Apr 71
Tactile-visual perception and cross-modal transfer. Schneiderman DZ.
Percept Mot Skills 32:159-62, Feb 71
Experiments concerning the transfer specificity of brain extracts in the taste discrimination of goldfish. Zippel HP, et al. Pfluegers Arch 323:265-72, 1971
Transfer of taste preference from trained goldfish (Carassius auratus) into untrained recipients. Zippel HP, et al. Pfluegers Arch 323:258-64, 1971
The effect of overtraining on transfer betweeen tasks involving the same stimulus dimension. Winefield AH, et al. Q J Exp Psychol 23:234-42, May 71
[Some remarks on acting out] Fontan M, et al.
Ann Med Psychol (Paris) 1:784-93, May 69 (Fre)
[Some remarks on acting out] Fontan M, et al.
Ann Med Psychol (Paris) 127:784-93, May 69 (Fre)
[Interhemispheric transfer of two-choice discrimination in commissurotomized pigeons] Meier RE. Psychol Forsch 34:220-45, 1971 (Ger)
[Visual-motor and tactile-motor cross-modal transfer] Perret E, et al.
Z Exp Angew Psychol 17:414-22, 1970 (Ger)

DRUG EFFECTS

Relaxation transfer in electrodermal activity as affected by a new minor tranquillizer (4306CB).

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Björkstrand PA, et al.
Psychopharmacologia 20:288-98, 1971

TRANSFERASES (D9)

Escherichia coli B cobalamin methyltransferase: ability of diaphorases and lipoamide dehydrogenases to function as reducing agents. Taylor RT, et al.
Arch Biochem Biophys 139:149-63, Jul 70

The reaction of the isoenzymes of transaldolase with chlorodinitrobenzene. Tsolas O, et al.
Arch Biochem Biophys 143:516-25, Apr 71

N6-(Delta 2-isopentenyl)adenosine: biosynthesis in vitro in transfer RNA by an enzyme purified from Escherichia coli. Bartz JK, et al.
Biochem Biophys Res Commun 40:1481-7, 30 Sep 70

Synthesis of glutamate by a glutamine: 2-oxo-glutarate amidotransferase (NADP oxidoreductase) in Bacillus megaterium. Elmerich C, et al.
Biochem Biophys Res Commun 42:371-6, 5 Feb 71

On the formation of an intermediate in the adenine phosphoribosyltransferase reaction. Groth DP, et al.
Biochem Biophys Res Commun 43:83-7, 2 Apr 71

Biosynthesis of blood group active glycoproteins: a peptidyl: alpha-N-acetylgalactosaminyltransferase from human submaxillary gland and stomach mucosal tissue. Hearn VM, et al.
Biochem Biophys Res Commun 41:1279-86, 9 Dec 70

Charge transfer interactions in transketolase-thiamine pyrophosphate complex. Kochetov GA, et al.
Biochem Biophys Res Commun 41:1134-40, 9 Dec 70

Nucleotide sequence specificities of guanylate residue-specific tRNA methylases from rat liver. Kuchino Y, et al.
Biochem Biophys Res Commun 40:306-13, 27 Jul 70

Fragmented E. coli methionine tRNA f as methyl acceptor for rat liver tRNA methylase: alteration of the site of methylation by the conformational change of tRNA structure resulting from fragmentation. Kuchino Y, et al.
Biochem Biophys Res Commun 43:476-83, 7 May 71

G factor mutants of Escherichia coli: map location and properties. Kuwano M, et al.
Biochem Biophys Res Commun 42:441-4, 5 Feb 71

Formation of the N5-methyltetrahydrofolate-homocysteine methyltransferase holoenzyme from apoenzyme and adenosyl-B 12. Rosales F, et al.
Biochem Biophys Res Commun 40:271-8, 27 Jul 70

Enzyme-catalysed reactions between some 2-substituted 5-nitrofuran derivatives and glutathione. Boyland E, et al.
Biochem J 119:463-72, Sep 70

The activation of liver phenol sulphotransferase. Carroll J, et al. Biochem J 119:27P, Sep 70

Effect of phenobarbital and 3-methylcholanthrene pretreatment on guinea pig hepatic microsomal bilirubin glucuronyltransferase activity. Potrepka RF, et al. Biochem Pharmacol 20:861-7, Apr 71

Synthesis of 5-fluorouridine 5'-phosphate by a pyrimidine phosphoribosyltransferase of mammalian origin. II. Correlation between the tumor levels of the enzyme and the 5-fluorouracil-promoted increase in survival of tumor-bearing mice. Reyes P, et al.
Biochem Pharmacol 18:2587-90, Oct 69

The specificity of transfer ribonucleic acid methylases from rat liver. Raguley BC, et al.
Biochemistry 7:45-50, Jan 68

Spin-labeling studies of aspartate transcarbamylase. I. Effects of nucleotide binding and subunit separation. Buckman T. Biochemistry 9:3255-65, 4 Aug 70

Thymidylate synthetase from amethopterin-resistant Lactobacillus casei. Dunlap RB, et al.
Biochemistry 10:88-97, 5 Jan 71

Studies with aspartate transcarbamylase. Gregory DS, et al. Biochemistry 10:154-61, 5 Jan 71

Relaxation spectra of aspartate transcarbamylase. Interaction of the native enzyme with aspartate analogs. Hammes GG, et al.
Biochemistry 10:1051-7, 16 Mar 71

Relaxation spectra of aspartate transcarbamylase. Interaction of the catalytic subunit with carbamyl phosphate, succinate, and L-malate. Hammes GG, et al. Biochemistry 10:1048-50, 16 Mar 71

Determination of the number of regulatory and catalytic sites on aspartate transcarbamylase. Hammes GG, et al. Biochemistry 9:2993-4, 21 Jul 70

Relaxation spectra of aspartate transcarbamylase. Interaction of the native enzyme with carbamyl phosphate. Hammes GG, et al.
Biochemistry 10:2150-6, 25 May 71

Conformational changes in proteins as measured by difference sedimentation studies. I. A technique for measuring small changes in sedimentation coefficient. Kirschner MW, et al.
Biochemistry 10:1900-19, 11 May 71

Conformational changes in proteins as measured by difference sedimentation studies. II. Effect of stereospecific ligands on the catalytic subunit of aspartate transcarbamylase. Kirschner MW, et al.
Biochemistry 10:1919-26, 11 May 71

Kinetic evidence for a (4-amino-2-methyl-5-pyrimidinyl)methyl-enzyme intermediate in the thiaminase I reaction. Lienhard GE. Biochemistry 9:3011-20, 21 Jul 70

Deoxyribonucleic acid methylase of mammalian tissues. Sheid B, et al. Biochemistry 7:280-5, Jan 68

Enzymic modification of chromosomal macromolecules. I. DNA and protein methylation in mouse tumour cell chromatin. Burdon RH.
Biochim Biophys Acta 232:350-70, 11 Mar 71

Enzymic modification of chromosomal macromolecules. II. The formation of histone epsilon-N-trimethyl-L-lysine by a soluble chromatin methylase. Burdon RH, et al.
Biochim Biophys Acta 232:371-8, 11 Mar 71

The enzymic synthesis of ganglioside. IV. UDP-N-acetylgalactosamine: (N-acetylneuraminyl)-galactosylglucosyl ceramide N-acetylgalactosaminyltransferase in rat brain. Dicesare JL, et al.
Biochim Biophys Acta 231:385-93, 16 Mar 71

Catechol O-methyltransferase. The para- and meta-O-methylations of noradrenaline. Frère JM, et al. Biochim Biophys Acta 235:73-84, 14 Apr 71

Substrate specificity of phenethanolamine N-methyltransferase from rabbit adrenal. Fuller RW, et al. Biochim Biophys Acta 222:210-2, 27 Oct 70

Control of pyrimidine biosynthesis in mammalian tissues. 3. Multiple forms of aspartate transcarbamoylase of mouse spleen. Inagaki A, et al.
Biochim Biophys Acta 230:491-502, 16 Dec 70

Sedimentation behaviour of phosphoribosyladenosine triphosphate synthetase. Effects of substrates and modifiers. Klungsöyr L, et al.
Biochim Biophys Acta 227:327-36, 10 Feb 71

Mitochondrial autonomy. Studies on the mitochondrial glycoprotein: glucosyl and mitochondrial glycoprotein: mannosyl transferase enzyme systems of rat liver mitochondria utilizing endogenous acceptors. Martin SS, et al.
Biochim Biophys Acta 230:411-22, 23 Feb 71

Purine nucleoside phosphorylase of chicken liver. Murakami K, et al.
Biochim Biophys Acta 235:99-105, 14 Apr 71

The effects of diamines and polyamines on enzymic methylation of nucleic acid. Pegg AE.
Biochim Biophys Acta 232:630-42, 8 Apr 71

Studies on complex formation between alpha-lactalbumin and the UDPgalactose-glucose galactosyltransferase of the bovine lactose synthesizing enzyme. Schanbacher FL, et al.
Biochim Biophys Acta 229:226-32, 19 Jan 71

The purification and properties of the aminoacyl-tRNA binding enzyme from bean rust uredospores. Yaniv Z, et al. Biochim Biophys Acta 232:717-25, 8 Apr 71

Porcine sugar nucleotide: glycoprotein glycosyltransferases. I. Blood serum and liver sialyltransferases. Hudgin RL, et al.
Can J Biochem 49:829-37, Jul 71

Porcine sugar nucleotide: glycoprotein glycosyltransferases. II. Blood serum and liver galactosyltransferase. Hudgin RL, et al.
Can J Biochem 49:838-46, Jul 71

Porcine sugar nucleotide: glycoprotein glycosyltransferases. 3. Blood serum and liver N-acetylglucosaminyltransferase. Hudgin RL, et al.
Can J Biochem 49:847-52, Jul 71

Aggregation states of a regulatory enzyme complex catalyzing the early steps of pyrimidine biosynthesis in bakers' yeast. Lue PF, et al.
Can J Biochem 49:403-11, Apr 71

A comparison of brain and liver catechol O-methyltransferase. Rock GD, et al.
Can J Biochem 48:1326-31, Dec 70

The possible role of nucleic acid methylases in the induction of cancer. Magee PN.
Cancer Res 31:599-604, May 71 (59 ref.)

Transketolase in sickel cell anemia. Schouten H, et al.
Clin Chim Acta 31:487-8, Feb 71

Lactose synthetase: evolutionary origins, structure and control. Brew K.
Essays Biochem 6:93-118, 1970 (54 ref.)

The vitamin B12-dependent methionine synthetase. The cycle of transmethylation. Rüdiger H.
Eur J Biochem 21:264-8, 29 Jul 71

Conversion of des-6-methyl-2,3-oxidosqualene to 19-norlanosterol by 2,3-oxidosqualene-sterol cyclase. Corey EJ, et al. J Am Chem Soc 93:1493-4, 24 Mar 71

Interaction between histidyl transfer ribonucleic acid and the first enzyme for histidine biosynthesis of Salmonella typhimurium. Kovach JS, et al.
J Bacteriol 104:787-92, Nov 70

Reaction of the catalytic subunit of Escherichia coli aspartate transcarbamylase with permanganate ion, a reactive structural analogue of phosphate ion. Benisek WF. J Biol Chem 246:3151-9, 25 May 71

Studies on translocation. VII. The nonidentity of G factor and a guanosine triphosphate-dependent cyclic 3',5'-adenosine monophosphate binding component. Bodley JW, et al. J Biol Chem 246:3618-22, 10 Jun 71

Structural properties of guinea pig liver transglutaminase. Connellan JM, et al.
J Biol Chem 246:1093-8, 25 Feb 71

Properties of thymidylate synthetase from dichloromethotrexate-resistant Lactobacillus casei. Crusberg TC, et al. J Biol Chem 245:5292-6, 25 Oct 70

Analogous reactions for the biosynthesis of monosialo- and disialo-gangliosides in brain. Cumar FA, et al.
J Biol Chem 246:5075-84, Aug 71

Properties of some glycosyltransferases in embryonic chicken brain. Den H, et al.
J Biol Chem 245:6607-15, 25 Dec 70

The effect of tyrosyl modification on the activity of -lactalbumin in the lactose synthetase reaction. Denton WL, et al. J Biol Chem 246:4053-9, 25 Jun 71

Characterization of cerebroside sulfotransferase from rat brain. Farrell DF, et al.
J Biol Chem 246:4694-702, 10 Aug 71

Biosynthesis of a mycobacterial lipopolysaccharide. Properties of the polysaccharide methyltransferase. Ferguson JA, et al. J Biol Chem 245:4213-23, 25 Aug 70

Physical and catalytic properties of the purine nucleoside phosphorylases from cells and spores of Bacillus cereus T. Gilpin RW, et al.
J Biol Chem 246:1475-80, 10 Mar 71

Cystathionine gamma-synthase from Salmonella. Spectral changes in the presence of substrates. Guggenheim S, et al. J Biol Chem 246:3562-8, 10 Jun 71

Glycosylation of the A1 protein from myelin by a polypeptide N-acetylgalactosaminyltransferase. Identification of the receptor sequence. Hagopian A, et al. J Biol Chem 246:2519-23, 25 Apr 71

The selective S-methylation of sulfhydryl groups in proteins and peptides with methyl-p-nitrobenzenesulfonate. Heinrikson RL.
J Biol Chem 246:4090-6, 25 Jun 71

Multiple forms of anthranilate synthetase-anthranilate 5-phosphoribosylpyrophosphate phosphoribosyltransferase from Salmonella typhimurium. Hwang LH, et al.
J Biol Chem 246:2338-45, 25 Apr 71

Pork liver guanosine diphosphate-L-fucose glycoprotein fucosyltransferases. Jabbal I, et al.
J Biol Chem 246:5154-61, Aug 71

Studies on hypoxanthine-guanine phosphoribosyltransferase in fibroblasts from patients with the Lesch-Nyhan syndrome. Evidence for genetic heterogeneity. Kelley WN, et al.
J Biol Chem 246:2953-8, 10 May 71

Cytoplasmic uridine phosphoryaseft liver. Characterizationand kinetics. Kraut A, et al.
J Biol Chem 246:3021-30, 10 Apr 71

Cytoplasmic uridine phosphorylase of rat liver. Characterization and kinetics. Kraut A, et al.
J Biol Chem 246:3021-30, 10 Apr 71

Pathway of chitin synthesis and cellular localization of chitin synthetase in Mocor rouxii. McMurrough I, et al. J Biol Chem 246:3999-4007, 25 Jun 71

Properties of a particulate chitin synthetase from Mucor rouxii. McMurrough I, et al.
J Biol Chem 246:4068-16, 25 Jun 71

Conformational changes in aspartate transcarbamylase. 3. A functional model for allosteric behavior. Markus G, et al. J Biol Chem 246:762-71, 10 Feb 71

Studies on galactosyltransferase. Kinetic investigations with glucose as the galactosyl group acceptor. Morrison JF, et al.
J Biol Chem 246:3985-91, 25 Jun 71

Studies on galactosyltransferase. Kinetic effects of -lactalbumin with N-acetylglucosamine and glucose as galactosyl group acceptors. Morrison JF, et al.
J Biol Chem 246:3992-8, 25 Jun 71

Studies on galactosyltransferase. Kinetic investigations with N-acetylglucosamine as the galactosyl group acceptor. Morrison JF, et al.
J Biol Chem 246:3977-84, 25 Jun 71

N-methylglutamate synthetase. Purification and properties of the enzyme. Pollock RJ, et al.
J Biol Chem 246:4737-43, 10 Aug 71

Subunit structure of aspartate transcarbamylase from Escherichia coli. Rosenbusch JP, et al.
J Biol Chem 246:1644-57, 25 Mar 71

Galactosyltransferase acceptor specificity of the lactose synthetase A protein. Schanbacher FL, et al.
J Biol Chem 245:5057-61, 10 Oct 70

Serine transhydroxymethylase. Affinity of the active site for substrates, substrate analogues, and anions. Schirch LV, et al. J Biol Chem 246:3961-6, 25 Jun 71

Multiple mannosyl transferases in Cryptococcus laurentii. Schutzbach JS, et al.
J Biol Chem 246:2187-94, 10 Apr 71

Studies on the biosynthesis of the hydroxylysine-linked disaccharide unit of basement membranes and collagens. II. Kidney galactosyltransferase. Spiro MJ, et al. J Biol Chem 246:4910-8, Aug 71

Studies on the biosynthesis of the hydroxylysine-linked disaccharide unit of basement membranes and collagens. 3. Tissue and subcellular distribution of glycosyltransferases and the effect of various conditions on the enzyme levels. Spiro RG, et al. J Biol Chem 246:4919-25, Aug 71

Aspartate transcarbamylase. The use of primary kinetic and solvent deuterium isotope effects to delineate some aspects of the mechanism. Stark GR.
J Biol Chem 246:3064-8, 10 May 71

A study of the sulfhydryl groups of the catalytic subunit of Escherichia coli aspartate transcarbamylase. The use of enzyme--5-thio-2-nitrobenzoate mixed disulfides as intermediates in modifying enzyme sulfhydryl

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

groups. Vanaman TC, et al.
J Biol Chem 245:3565-73, 25 Jul 70
Regulation of microsomal enzymes by phospholipids. II. Acitvation of hepatic uridine diphosphate-glucuronyltransferase. Vessey DA, et al.
J Biol Chem 246:4649-56, 10 Aug 71
Heptulose synthesis from nonphosphorylated aldoses and ketoses by spinach transketolase. Villafranca JJ, et al. J Biol Chem 246:3128-31, 25 May 71
Structure-activity study of phenethylamines as substrates of biosynthetic enzymes of sympathetic transmitters. Fujita T, et al.
J Med Chem 14:148-52, Feb 71
Mechanism of action of rat liver DNA methylase. I. Interaction with double-stranded methyl-acceptor DNA. Drahovský D, et al.
J Mol Biol 57:475-89, 14 May 71
Reconstitution of a functional membrane enzyme system in a monomolecular film. I. Formation of a mixed monolayer of lipopolysaccharide and phospholipid. Romeo D, et al.
J Mol Biol 53:475-90, 14 Nov 70
Reconstitution of a functional membrane enzyme system in a monomolecular film. II. Formation of a functional ternary film of lipopolysaccharide, phospholipid and transferase enzyme. Romeo D, et al.
J Mol Biol 53:491-501, 14 Nov 70
Histone methylase activity of adult, embryonic and neoplastic liver tissues. Turner G, et al.
Life Sci [II] 9:917-22, 22 Aug 70
Concentration and synthesis of phosphoribosylpyrophosphate in erythrocytes from normal, hyperuricemic, and gouty subjects. Meyskens FL, et al. Metabolism 20:731-42, Aug 71
Regulation of enzyme activity. The activity of enzymes can be controlled by a multiplicity of conformational equilibria. Hammes GG, et al.
Science 172:1205-11, 18 Jun 71
[Purification and characterization of human placenta S-adenosylmethionine:catechol-O-methyltransferase] Gugler R, et al.
Biochim Biophys Acta 220:10-21, 14 Oct 70 (Ger)
[Purification and characterization of a 3'-phosphoadenylylsulfate: steroid sulfotransferase from human liver] Gugler R, et al.
Biochim Biophys Acta 220:69-84, 14 Oct 70 (Ger)
[UDPG-glycogen synthetase from rabbit liver and thymus and from human leukocytes] Filippova VN, et al. Biokhimiia 35:962-7, Sep-Oct 70 (Rus)
[Study of transketolase by the optical rotatory dispersion method] Kochetov GA, et al.
Biokhimiia 35:611-21, Jul-Aug 70 (Rus)
[Optical rotatory dispersion and circular dichroism of transketolase from baker's yeast. Induced optical activity arising during binding of thiamine pyrophosphate apoenzyme] Kochetov GA, et al.
Biokhimiia 35:1257-9, Nov-Dec 70 (Rus)
[The nature and function of the amino acid residues of transketolase essential for manifesting its activity] Kochetov GA, et al. Biokhimiia 35:3-12, 1970 (Rus)
[Transferase activity of serum cholinesterase] Brestkin AP, et al.
Dokl Akad Nauk SSSR 188:1172-3, 11 Oct 69 (Rus)
[Molecular weight of amylose isomerase RNA] Filippova RD, et al.
Dokl Akad Nauk SSSR 184:481-2, Jan 69 (Rus)
[Mechanism of the activating effect of calcium on baker's yeast transketolase] Kochetov GA, et al.
Dokl Akad Nauk SSSR 195:738-9, 1970 (Rus)
[Effect of bivalent metals on the position of the optimum pH of the transketolase reaction] Kochetov GA, et al.
Dokl Akad Nauk SSSR 191:234-6, Mar-Apr 70 (Rus)
[Complex of functionally related enzymes--transketolases and glyceraldehydephosphate dehydrogenase] Kochetov GA, et al. Dokl Akad Nauk SSSR 195:483-5, 1970 (Rus)

ANALYSIS

A fluorometric method for the determination of COMT activity in brain. Broch OJ Jr, et al.
Acta Pharmacol Toxicol [Suppl] (Kbh) 28:40, 1970
Enzymic assay for galactosyl transferase activity of lactose synthetase and alpha-lactalbumin in purified and crude systems. Fitzgerald DK, et al.
Anal Biochem 36:43-61, Jul 70
New assay method for protein methylase II activity suitable for trichloroacetic acid soluble substrate, based on distillation of methanol. Kim S, et al.
Anal Biochem 42:255-61, Jul 71
Determination of aspartate transcarbamylase by the radioassay of carbamyl 14C-aspartate separated by high-voltage paper electrophoresis. Ong BL, et al.
Anal Biochem 42:289-93, Jul 71
Inherited variants of human nucleoside phosphorylase. Edwards YH, et al. Ann Hum Genet 34:395-408, May 71
Differential localization in thyroid microsomal subfractions of a mannosyltransferase, two N-acetylglucosaminyltransferases and a galactosyltransferase. Bouchilloux S, et al.
Biochem Biophys Res Commun 40:314-20, 27 Jul 70
Aspartate transcarbamoylase: distribution in various tissues and identification of three molecular forms. Koskimies O, et al.
Biochem Biophys Res Commun 42:1162-8, 19 Mar 71
X-linked hypoxanthine-guanine phosphoribosyl transferase deficiency: detection of heteroxygotes by selective medium. Migeon BR.
Biochem Genet 4:377-83, Jun 70
Characterization of hypoxanthine-guanine phosphoribosyl transferase in man--mouse somatic cell hybrids by an improved electrophoretic method. Shin S, et al. Biochem Genet 5:91-9, Feb 71
Frog brain uridine diphosphate galactose-N-acetylgalactosaminyl-N-acetylneuraminylgalactosylglucosylceramide galactosyltransferase. Yip MC, et al.
Biochem J 118:247-52, Jun 70
The presence of peptidyl transferase in wheat embryo ribosomes. Gatica M, et al.
Biochim Biophys Acta 228:732-5, 11 Feb 71
Validation of an in vitro enzyme assay indirectly measuring an in vivo biosynthesis. McHugh RB, et al.
Biometrics 26:195-207, Jun 70
Changes in catechol-O-methyl transferase activity in the rat submaxillary gland after surgical and pharmacological procedures. Broch OJ Jr, et al.
Br J Pharmacol 41:393P+, Feb 71
The use of nucleotide-sugar: glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. Hudgin RL, et al.
Can J Biochem 49:61-70, Jan 71
Methionine biosynthesis in Candida albicans. I. S-adenosyl-L-methionine (or S-methyl-L-methionine): homocysteine methyltransferase in cell-free extracts from yeast-like cells. Mardon DN, et al.
Can J Microbiol 17:795-802, Jun 71
Comparative transfer RNA methylase capacity in mouse ascites tumors and in their derived tumorigenic and nontumorigenic cell cultures. Dell'Orco RT, et al. Cancer Res 31:561-5, May 71
Transfer RNA methylases of normal cells, virus-transformed cells, and tumors derived from transformed cells. Fujioka S, et al.
Cancer Res 31:451-6, Apr 71
Transfer RNA and transfer RNA methylation in growing and "resting" adult and embryonic tissues and in various oncogenic systems. Gallo RC.
Cancer Res 31:821-9, May 71
In vitro transfer RNA methylation in paired neoplastic and nonneoplastic cell cultures. Gantt RR.
Cancer Res 31:909-12, May 71
Altered transfer RNA methylase patterns in Marek's disease tumors. Mandel LR, et al.
Cancer Res 31:613-6, May 71
Correlation of transfer RNA methylase activity with growth and differentiation in normal and neoplastic tissues. Riddick DH, et al.
Cancer Res 30:2484-92, Oct 70
Response of modified phenylalanine transfer RNA to recognition by phenylalanyl transfer RNA synthetase. Stulberg MP, et al. Cancer Res 31:671-4, May 71
Transfer RNA and transfer RNA methylase in human brain tumors. Viale GL. Cancer Res 31:805-8, May 71
Determination of bilirubin UDP-glucuronyl transferase activity in needle-biopsy specimens of human liver. Black M, et al. Clin Chim Acta 29:27-35, Jul 70
Thymidine phosphorylase from Escherichia coli. Properties and kinetics. Schwartz M.
Eur J Biochem 21:191-8, 29 Jul 71
Changes in enzyme levels accompanying differentiation of intestinal epithelial cells. Imondi AR, et al. Exp Cell Res 58:323-30, Dec 69
Purine nucleoside phosphorylase from human erythrocytes. V. Content and behavior of sulfhydryl groups. Agarwal RP, et al.
J Biol Chem 246:3763-8, 10 Jun 71
Glycosyltransferase activities in normal and polyoma-transformed BHK cells. Den H, et al.
J Biol Chem 246:2721-3, 25 Apr 71
Intramitochondrial localization of kynurenine aminotransferase. Okamoto H, et al.
J Biol Chem 245:3603-5, 25 Jul 70
Catechol-O-methyl transferase (COMT) in skin of patients with psoriasis. Bamshad J, et al.
J Invest Dermatol 55:147-8, Aug 70
Levels of adrenal catecholamine-synthesizing enzymes after postmortem treatment in rats and after necropsy in human beings. Silbergeld S, et al.
J Lab Clin Med 77:290-7, Feb 71
Inactivation and reactivation of ribosomal subunits: the peptidyl transferase activity of the 50 s subunit of Escherihia coli. Miskin R, et al.
J Mol Biol 54:355-78, 14 Dec 70
Effects of botulinum toxin on the distribution of succinate dehydrogenase and phosphorylase in fast and slow skeletal muscles of the mouse. Duchen LW.
J Neurol Neurosurg Psychiatry 33:580-5, Oct 70
The pentose cycle in adult Ascaris suum. Langer BW Jr, et al. J Parasitol 57:485-6, Jun 71
Changes in monoamine oxidase and catechol-O-methyl transferase activities after denervation of the nictitating membrane of the cat. Jarrott B, et al.
J Physiol (Lond) 213:549-59, Jan 71
Glycoprotein synthesis and degradation: glycoprotein: N-acetyl glucosamine transferase, proteolyticand glycosidase activity in normal and polyoma virus transformeBHK cells. Bosmann HB, et al.
Life Sci [II] 9:1433-40, 22 Dec 70
Assay of enzymes of catecholamine biosynthesis and metabolism. Creveling CR, et al.
Methods Biochem Anal Suppl:153-82, 1971 (271 ref.)
Thiaminase I in the development of cerebrocortical necrosis in sheep and cattle. Edwin EE, et al.
Nature (Lond) 228:772-4, 21 Nov 70
Indole(ethyl)amine N-methyltransferase in human brain. Mandell AJ, et al.
Nature [New Biol] 230:85-7, 17 Mar 71
Biochemical changes of catechol-O-methyltransferase during development of human liver. Agathopoulos A, et al. Pediatrics 47:125-8, Jan 71
Hypoxanthine-guanine phosphoribosyltransferase deficiency: chemical agents selective for mutant or normal cultured fibroblasts in mixed and heterozygote cultures. Fujimoto WY, et al.
Proc Natl Acad Sci USA 68:1516-9, Jul 71
Localization of the zinc binding site of aspartate transcarbamoylase in the regulatory subunit. Rosenbusch JP, et al.
Proc Natl Acad Sci USA 68:1019-23, May 71
Transfer RNA methylase alterations in polyoma transformed rat embryo culture cells. Gallagher RE, et al. Proc Soc Exp Biol Med 136:819-23, Mar 71
Measurement of the activity of bilirubin UDP-glucuronyl transferase: application to needle biopsy specimens. Odièvre M, et al.
Rev Eur Etud Clin Biol 16:84-5, Jan-Feb 71
[Biosynthesis of glycoproteins. XVII. Characterization of a mannosyltransferase from Aspergillus oryzae] Richard M, et al.
Biochim Biophys Acta 230:603-9, 1971 (Fre)
[Determination, properties and inhibition of thymidilate synthetase in immature myeloid blood and bone marrow cells] Wilmanns W, et al.
Blut 22:305-19, Jun 71 (Ger)
[Determination of glucuronyl transferase enzymatic activity in relation to 4-methylumbelliferone in liver homogenates (obtained by needle biopsy) from premature and other newborn infants with jaundice or varied origin and in normal and pathological conditions of the liver] Albeggiani A, et al.
Pediatria (Napoli) 78:170-91, 1970 (Ita)
[Calcium, a baker's yeast transketolase cofactor] Kochetov GA, et al.
Biokhimiia 35:422-4, Mar-Apr 70 (Rus)
[Thiaminase and methods of its detection] Kurochka NE. Veterinariia 12:86-7, Dec 70 (Rus)

ANTAGONISTS & INHIBITORS

Effect of glucuronides on the glucuronide biosynthesis. Hänninen O, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:35+, 1970
Regulation of the purine pathway in bakers yeast: activity and feedback inhibition of phosphoribosyl-pyrophosphate amidotransferase. Satyanarayana T, et al.
Arch Biochem Biophys 142:40-7, Jan 71
Breast milk jaundice. Effect of inhibitory breast milk and 3 alpha, 20 abeta-pregnanediol on glucuronyl transferase. Hargreaves T, et al.
Arch Dis Child 46:195-8, Apr 71
Transfer RNA methylase inhibitors in neoplastic and normal rat tissue. Chaney SG, et al.
Biochem Biophys Res Commun 40:1209-15, 10 Sep 70
Nicotinamide: a natural inhibitor of tRNA methylase. Halpern RM, et al.
Biochem Biophys Res Commun 42:602-7, 19 Feb 71
Inhibition of yeast thiaminephosphate pyrophosphorylase by high-energy phosphate compounds. Kawasaki T, et al.
Biochem Biophys Res Commun 40:1468-72, 30 Sep 70
Inhibition of transketolase by analogues of the coenzyme. Kochetov GA, et al.
Biochem Biophys Res Commun 43:1198-203, 4 Jun 71
Inhibition of thymidylate synthetase by 5-formyl- and 5-hydroxymethyl-2'-deoxyuridylate. Santi DV, et al.
Biochem Biophys Res Commun 42:813-7, 5 Mar 71
Pyridoxal-5'-phosphate--an inhibitor of catechol-O-methyltransferase in vitro. Black IB.
Biochem Pharmacol 20:924-7, Apr 71
Mechanism of "biochemical shock"--II. Direct demonstration of mixed disulfide involvement in the inhibition of deoxycytidine formation in rat thymus in vivo. Filippovich IV, et al.
Biochem Pharmacol 20:135-9, Jan 71
Effect of histidine on the enzyme which catalyzes the first step of histidine biosynthesis in Salmonella typhimurium. Blasi F, et al.
Biochemistry 10:1409-17, 13 Apr 71
Inhibition of transfer RNA methylases by bull semen. I. Localization, identification and properties of the inhibitor. Sheid B, et al.
Biochim Biophys Acta 224:382-90, 14 Dec 70
Inhibition of L cell adenine phosphoribosyltransferase by nucleosides and nucleotides. Blair DG, et al.
Gann 61:495-500, Oct 70
Genetically altered repression pattern of purine nucleotide synthesizing enzymes and inosine production in 8-azaguanine resistant mutants of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bacillus subtilis. Shiio I, et al.
J Biochem (Tokyo) 69:339-47, Feb 71
Catalytic properties of p-mercuribenzoate-modified transglutaminase. Connellan JM, et al.
J Biol Chem 246:3665-71, 10 Jun 71
Inhibition of phenethanolamine N-methyl transferase by ring-substituted alpha-methylphenethylamines (amphetamines). Fuller RW, et al.
J Med Chem 14:322-5, Apr 71
Inhibition of adrenal phenethanolamine N-methyltransferase by substituted benzimidazoles. Mandel LR, et al. J Med Chem 13:1043-7, Nov 70
Inhibition of hepatic microsomal mixed function oxidases by D2O. Hoitzman JL, et al.
Life Sci [I] 9:1033-8, 15 Sep 70
Erythrocyte transketolase inhibition, neuropathy and uremia. Henderson LW.
N Engl J Med 284:1435-6, 24 Jun 71
Absence of a natural inhibitor of the tRNA methylases from fetal and tumor tissues. Kerr SJ.
Proc Natl Acad Sci USA 68:406-10, Feb 71
Competitive inhibition of primate brain corticosteroid acetyltransferase by triamcinolone and related 16alpha-hydroxysteroids. Purdy RH, et al.
Steroids 16:649-62, Dec 70

BIOSYNTHESIS

Effect of phenobarbital and other compounds on induction or maintenance of liver uridine diphosphate glucuronyltransferase during organ culture. Dutton GJ, et al. Biochem J 120:15P-16P, Dec 70
The regulation by methionine of three inducible enzymes in Coprinus lagopus. Wilson RH.
Biochem J 118:16P, Jun 70
Neuronally dependent induction of adrenal phenylethanolamine-N-methyltransferase by 6-hydroxydopamine. Thoenen H, et al.
Biochem Pharmacol 19:669-73, Mar 70
Commitment to sporulation and induction of glucose-phosphoenolpyruvate-transferase. Freese E, et al. Biochim Biophys Acta 222:265-89, 24 Nov 70
The transfer RNA methylases of human lymphocytes. II. Delayed induction by PHA in lymphocytes from patients with chronic lymphocytic leukemia. Riddick DH, et al. Blood 37:293-6, Mar 71
The transfer RNA methylases of human lymphocytes. I. Induction by PHA in normal lymphocytes. Riddick DH, et al. Blood 37:282-92, Mar 71
Dextransucrase from Streptococcus sanguis further characterization. Newbrun E. Caries Res 5:134-34, 1971
5-fluorouracil rescue of dCMP hydroxymethylase in Escherichia coli B infected by mutant am N122 of bacteriophage T4. Mark KK. Genetics 66:23-30, Sep 70
Histidine-mediated control of tryptophan biosynthetic enzymes in Neurospora crassa. Carsiotis M, et al.
J Bacteriol 104:98-106, Oct 70
A temperature-sensitive thy mutant blocked in the synthesis of thymidylate synthetase. Roodman ST, et al. J Biol Chem 246:2609-17, 25 Apr 71
Conditions allowing synthesis of thymidylate synthetase at the nonpermissive temperature in a temperature-sensitive thy mutant normally blocked in its translation. Roodman ST, et al.
J Biol Chem 246:4853-8, 10 Aug 71
Species specificity of an enzyme determined by an erythrocyte nucleus in an interspecific hybrid cell. Cook PR. J Cell Sci 7:1-3, Jul 70
Prolactin bioassay by induction of N-acetyllactosamine synthetase in mouse mammary gland explants. Loewenstein JE, et al.
J Clin Endocrinol Metab 33:217-24, Aug 71
Measurement of prolactin activity in human serum by the induction of specific milk proteins in mammary gland in vitro. Turkington RW.
J Clin Endocrinol Metab 33:210-6, Aug 71
Effect of elevated temperature on extended enzyme synthesis induced by bacteriophage T4 amber mutants unable to synthesize deoxyribonucleic acid. Goz B. J Virol 7:332-42, Mar 71
A new reduced human-mouse somatic cell hybrid containing the human gene for adenine phosphoribosyltransferase. Kusano T, et al.
Proc Natl Acad Sci USA 68:82-6, Jan 71
Regulation of the synthesis of choline-O-acetyltransferase and thymidylate synthetase in mouse neuroblastoma in cell culture. Rosenberg RN, et al.
Proc Natl Acad Sci USA 68:1436-40, Jul 71
[Influence of cortisone therapy and phototherapy on the maturation of glycuronyl-transferases in the liver of newborn rats] Cordone G, et al.
Minerva Pediatr 21:1381-5, 28 Jul 69 (Ita)

BLOOD

Transketolase activity of white blood cells. Markkanen T, et al. Acta Haematol (Basel) 44:78-84, 1970
Blood transketolase in assessment of thiamine deficiency in alcoholics. Konttinen A, et al.
Ann Med Exp Biol Fenn 48:172-5, 1970
Purification and kinetic studies of adenine phosphoribosyltransferase from human erythrocytes. Srivastava SK, et al.
Arch Biochem Biophys 142:426-34, Feb 71
O-Methylation of noradrenaline and demethylation in rat blood. Frère JM, et al.
Biochim Biophys Acta 235:85-8, 14 Apr 71
Occurrence of UDP-N-acetylglucosamine: glycoprotein N-acetylglucosaminyltransferase activity in human and rat sera. Mookerjea S, et al.
Can J Biochem 49:297-9, Mar 71
A colorimetric assay for gamma-glutamyltranspeptidase. Jacobs WL.
Clin Chim Acta 31:175-9, Jan 71
Red blood cell transketolase activity and blood lactate and pyruvate in patients with cirrhosis of the liver. Presser JI, et al. Digestion 4:72-80, 1971
Behaviour of some enzymes and isoenzymes in plasma liver and bile of rats treated with carbon tetrachloride. Idéo G, et al. Enzyme 12:242-54, 1971
Studies on human erythrocyte IMP: pyrophosphate phosphoribosyltransferase. Craft JA, et al.
Eur J Biochem 15:367-73, Aug 70
A new assay method for hypoxanthine-guanine phosphoribosyltransferase. Chow DC, et al.
J Lab Clin Med 76:733-8, Nov 70
Studies on the adenine phosphoribosyltransferase enzyme in human fibroblasts lacking hypoxanthine-guanine phosphoribosyltransferase. Kelley WN. J Lab Clin Med 77:33-8, Jan 71
Phosphoribosyl transferase activity in normal subjects, gout patients, and children with mental retardation. Eyre C, et al.
J Neurol Neurosurg Psychiatry 34:23-4, Feb 71
Blood catechol-O-methyltransferase activity in Parkinson's disease. Frère JM, et al.
Lancet 2:269-70, 31 Jul 71
Transketolase and myelin. Collins RC, et al.
N Engl J Med 285:751-2, 23 Sep 71
Erythrocyte transketolase activity in dialyzed patients. A reversible metabolic lesion of uremia. Lonergan ET, et al. N Engl J Med 284:1399-403, 24 Jun 71
Guanidinosuccinic acid and transketolase. Stein IM.
N Engl J Med 285:837, 9 Sep 71
IMP: and AMP:pyrophosphate phosphoribosyltransferase in leukemic and normal human leukocytes. Smith JL, et al.
Proc Soc Exp Biol Med 136:1299-303, Apr 71
Phosphorolytic and transferase activities of the purine nucleoside phosphorylase from human erythrocytes. Pinto B. Rev Esp Fisiol 26:157-65, Jun 70
Reduced catechol-O-methyltransferase activity in red blood cells of women with primary affective disorder. Cohn CK, et al. Science 170:1323-4, 18 Dec 70
[From Lesch-Nyhan disease to primary gout] Ryckewaert A, et al.
Rev Eur Etud Clin Biol 15:805-9, Jun-Jul 70 (15 ref.) (Fre)
Thymidylat-synthetase in white blood cells and bone marrow under normal and pathological conditions] Wilmanns W, et al.
Klin Wochenschr 49:755-62, 1 Jul 71 (Ger)
[Transketolase activity of erythrocytes of chronic alcoholic patients with assumed thiamine deficiency] Tomasi A, et al.
Acta Vitaminol Enzymol (Milano) 23:208-16, 1969 (Ita)
[Evaluation of the thiamine nutritional status in congestive cardiac insufficiency by determination of erythrocytic transketolase activity] Rizzo SC, et al.
Mal Cardiovasc 10:641-9, 1969 (Ita)
[Evaluation of the thiamine nutritional state of uremic patients by determination of erythrocyte transketolase activity] Rizzo SC, et al.
Minerva Nefrol 16:301-5, Jul-Aug 69 (Ita)
[Carbohydrate-phosphorus metabolism in leukocytes of schizophrenics] Ibragimova AA.
Zh Nevropatol Psikhiatr 70:1208-11, 1970 (Rus)

DIAGNOSTIC USE

Lesch-Nyhan syndrome: rapid detection of heterozygotes by use of hair follicles. Gartler SM, et al. Science 172:572-4, 7 May 71

ISOLATION & PURIFICATION

Purification and kinetic studies of adenine phosphoribosyltransferase from human erythrocytes. Srivastava SK, et al.
Arch Biochem Biophys 142:426-34, Feb 71
Platelet adhesiveness and aggregation: the collagen:glycosyl, polypeptide:N-acetylgalactosaminyl and glycoprotein:galactosyl transferases of human platelets. Bosmann HB.
Biochem Biophys Res Commun 43:1118-24, 4 Jun 71
A complex of functionally-bound enzymes: transketolase and glyceraldehydephosphate dehydrogenase. Kochetov GA, et al.
Biochem Biophys Res Commun 40:873-9, 24 Aug 70
The separation of adenine and hypoxanthine-guanine phosphoriboayl transferases isoenzymes by disc gel electrophoresis. Bakay B, et al.
Biochem Genet 5:81-90, Feb 71
The isolation of rat liver phenol sulphotransferase. McEvoy FA, et al. Biochem J 119:26P-27P, Sep 70
Studies on a testosterone glucuronyltransferase from the cytosol fraction of human liver. Rao GS, et al.
Biochem J 119:635-42, Oct 70
Partial purification and kinetics of oestriol 16 alpha-glucuronyltransferase from the cytosol fraction of human liver. Rao GS, et al.
Biochem J 118:625-34, Jul 70
Properties of some steroid glycosyl transferases from rabbit tissues. Labow RS, et al.
Biochemistry 10:2553-7, 22 Jun 71
Streptococcus faecalis aspartate transcarbamylase. I. Purification and general properties. Prescott LM, et al. Biochemistry 9:3783-94, 15 Sep 70
Copurification of pyrimidine-specific carbamyl phosphate synthetase and aspartate transcarbamylase of Neurospora crassa. Williams LG, et al.
Biochemistry 9:4329-35, 27 Oct 70
Kinetics of purified catechol O-methyltransferase. Flohe L, et al.
Biochim Biophys Acta 220:469-76, 16 Dec 70
Partial purification of hepatic UDP-glucuronyltransferase. Studies of some of its properties. Mowat AP, et al.
Biochim Biophys Acta 212:65-78, 15 Jul 70
The preparation of soluble DNA methylase from normal and regenerating rat liver. Morris NR, et al.
Cancer Res 31:433-40, Apr 71
Isoforms of baker's yeast transketolase. Kochetov GA, et al. Experientia 26:1067-8, 15 Oct 70
Isoenzymes of glycogen phosphorylase in pig brain. Hanabusa K, et al. J Biochem (Tokyo) 68:929-31, Dec 70
The biosynthesis of 4-thiouridylate. Separation and purification of two enzymes in the transfer ribonucleic acid-sulfurtransferase system. Abrell JW, et al. J Biol Chem 246:294-301, 25 Jan 71
Multiglycosyltransferase system of canine respiratory tissue. Uridine diphosphate galactose: mucin galactosyltransferase. Baker AP, et al.
J Biol Chem 246:4358-62, 10 Jul 71
Enzymatic synthesis of galactocerebroside by a galactosyltransferase from embryonic chicken brain. Basu S, et al. J Biol Chem 246:4272-9, 10 Jul 71
Structural studies of bovine liver rhodanese. I. Isolation and characterization of two active forms of the enzyme. Blumenthal KM, et al.
J Biol Chem 246:2430-7, 25 Apr 71
Biosynthesis of heparin. Solubilization, partial separation, and purification of uridine diphosphate-galactose: acceptor galactosyltransferases from mouse mastocytoma. Helting T. J Biol Chem 246:815-22, 10 Feb 71
The enzymatic alpha-N-methylation of histidine. Ishikawa Y, et al. J Biol Chem 245:5967-73, 25 Nov 70
Isolation and characterization of multiple forms of hydroxyindole-O-methyltransferase. Jackson RL, et al. J Biol Chem 246:4280-5, 10 Jul 71
Nicotinate phosphoribosyltransferase of yeast. Purification and properties. Kosaka A, et al.
J Biol Chem 246:3277-83, 25 May 71
Solubilization and partial purification of protein methylase 3 from calf thymus nuclei. Paik WK, et al.
J Biol Chem 245:6010-5, 25 Nov 70
Biosynthesis of the peptidoglycan of bacterial cell walls. 18. Purification and properties of L-alanyl transfer ribonucleic acid-uridine diphosphate-N-acetylmuramyl-pentapeptide transferase from Lactobacillus viridescens. Plapp R, et al. J Biol Chem 245:3675-82, 25 Jul 70
Purification and properties of the wild type and a feedback-resistant phosphoribosyladenosine triphosphate pyrophosphate phosphoribosyltransferase, the first enzyme of histidine biosynthesis in Salmonella typhimurium. Whitfield HJ Jr. J Biol Chem 246:899-906, 25 Feb 71
Isolation of Saccharomyces cerevisiae mitochondrial formyltetrahydrofolic acid:methionyl-tRNA transformylase and the hybridization of mitochondrial fMet-tRNA with mitochondrial DNA. Halbreich A, et al.
Proc Natl Acad Sci USA 68:294-8, Feb 71
Purification of IMP:pyrophosphate phosphoribosyltransferases, catalytically incompetent enzymes in Lesch-Nyhan disease. Rubin CS, et al. Proc Natl Acad Sci USA 68:1461-4, Jul 71
Phosphorolytic and transferase activities of the purine nucleoside phosphorylase from human erythrocytes. Pinto B. Rev Esp Fisiol 26:157-65, Jun 70
[Biosynthesis of thyroglobulin as glycoprotein] Bouchilloux S, et al.
Expos Annu Biochim Med 30:39-64, 1970 (117 ref.) (Fre)
[Activity determination of purine nucleoside phosphorylase from rat brain through product separation and cation exchange] Kluge H, et al.
J Chromatogr 56:365-7, 7 Apr 71 (Ger)
[Conditions for removal of thiamine pyrophosphate from holotransketolase] Kochetov GA, et al.
Biokhimiia 35:1023-7, Sep-Oct 70 (Rus)
[Isoforms of transketolase from baker's yeast] Kochetov GA, et al.
Biokhimiia 35:1059-61, Sep-Oct 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

Action of testosterone and testololactone on isocitric dehydrogenase, aspartate transcarbamylase and gulonate NADP oxidoreductase in the rat in vivo. Van Rymenant ME, et al.
Acta Endocrinol (Kbh) 66:498-502, Mar 71

Comparative biochemical and histochemical studies on the activity of gamma-glutamyl transpeptidase in the organs of fetuses, newborns and adult rats. Albert Z, et al. Acta Histochem (Jena) 37:34-9, 1970

Biochemical and histochemical investigations of the gamma glutamyl transpeptidase in embryonal and adult organs of man. Albert Z, et al.
Acta Histochem (Jena) 37:74-9, 1970

Mechanisms of enzyme modulation involving deoxycytidylate deaminase and thymidylate synthetase. Maley F, et al.
Adv Enzyme Regul 8:55-71, 1970

Analysis of blood transketolase activity. Massod MF, et al. Am J Clin Pathol 55:465-70, Apr 71

The role of the liver in drug metabolism. Remmer H.
Am J Med 49:617-29, Nov 70 (81 ref.)

Enzyme levels in the serum and cerebrospinal fluid in eclampsia. Morrison JC, et al.
Am J Obstet Gynecol 110:619-24, 1 Jul 71

Catecholamine-synthesizing enzymes in the rat adrenal gland during exposure to cold. Kvetňanský R, et al.
Am J Physiol 220:928-31, Apr 71

Substrate stabilization: genetically-controlled reciprocal relationship between two enzymes. Boyle JA, et al. Ann Rheum Dis 30:326-7, May 71

Estrogen-mediated enhancement of rat liver sRNA methylase activity. Sheid B, et al.
Arch Biochem Biophys 140:437-42, Oct 70

Purification and kinetic studies of adenine phosphoribosyltransferase from human erythrocytes. Srivastava SK, et al.
Arch Biochem Biophys 142:426-34, Feb 71

GDPG pyrophosphorylase in the sphincter muscles of the clam (Unio sp.). Iwanowski H.
Arch Immunol Ther Exp (Warsz) 19:185-91, 1971

The effect of norethandrolone on liver microsomal N-demethylase activity. Gross GJ, et al.
Arch Int Pharmacodyn Ther 190:340-6, Apr 71

Changes in activities of carbamoylphosphate synthase and aspartate carbamoyltransferase in the life cycle of the blowfly "Aldrichina grahami". Kameyama A, et al. Arch Int Physiol Biochim 78:435-42, Aug 70

Transketolase activity in uremia. Lonergan ET, et al.
Arch Intern Med 126:851-4, Nov 70

Formation of pyrophosphate during ATP: glutamine synthetase-adenylyltransferase-reaction in E. coli. Heinrich CP, et al. Arch Mikrobiol 73:104-10, 1970

Regulation of arginine biosynthesis in Chlamydomonas reinhardii: studies in vivo and of ornithine transcarbamoylase and argininosuccinate lyase activities. Holden J, et al.
Arch Mikrobiol 74:58-68, 21 Oct 70

Heat stability of AMP pyrophosphorylase in differentiating intestinal epithelial cells. Balis ME, et al.
Biochem Biophys Res Commun 42:1007-11, 19 Mar 71

Demonstration of a C-methylating enzyme in cell free extracts of indolmycin-producing Streptomyces griseus. Hornemann U, et al.
Biochem Biophys Res Commun 39:594-9, 22 May 70

The role of alpha-lactalbumin in lactose synthetase. Klee WA, et al.
Biochem Biophys Res Commun 39:833-41, 5 Jun 70

Aspartate transcarbamoylase: distribution in various tissues and identification of three molecular forms. Koskimies O, et al.
Biochem Biophys Res Commun 42:1163-8, 19 Mar 71

Coenzyme A transferase activity in rat brain. Tildon JT, et al.
Biochem Biophys Res Commun 43:225-31, 2 Apr 71

The effect of thiol compounds on rat liver sulphotransferases. Barford DJ, et al.
Biochem J 119:28P, Sep 70

Properties of the transfer ribonucleic acid methylase activity in vitro of hamster tumours induced by adenovirus-12. Base analysis. McFarlane ES, et al.
Biochem J 120:499-503, Dec 70

Steroid glucuronyltransferases from the cytosol fraction of human liver. Rao GS, et al.
Biochem J 118:10P, Jun 70

Hypoxanthine phosphoribosyltransferase and guanine metabolism of adenocarcinoma 755 cells. Hill DL.
Biochem Pharmacol 19:545-57, Feb 70

Effect of epinephrine on hepatic glycogen phosphorylase and synthetase activities in normal and pertussis-sensitized rats. Kreutner W, et al.
Biochem Pharmacol 19:2561-7, Sep 70

Peptide sequences and relative reactivity of the reactive sulfhydryl groups of rabbit muscle phosphorylase. Gold AM, et al.
Biochemistry 9:4480-6, 10 Nov 70

Sialic acid transferases and sialic acid levels in normal and transformed cells. Grimes WJ.
Biochemistry 9:5063-92, 22 Dec 70

Initial stage in peptidoglycan synthesis. Mechanism of activation of phospho-N-acetylmuramyl-pentapeptide translocase by potassium ions. Heydanek MG Jr, et al.
Biochemistry 9:3618-23, 1 Sep 70

N-formylmethionyl-tRNA of wheat chloroplasts. Its synthesis by a wheat transformylase. Leis JP, et al.
Biochemistry 10:889-94, 2 Mar 71

Transfer ribonucleic acid methylase activity in the developing pig brain. Swiatek KR, et al.
Biochemistry 10:2563-7, 22 Jun 71

2-thiouridine 5'-phosphate and its inhibition of aspartate transcarbamylase. Goodrich ME, et al.
Biochim Biophys Acta 222:621-6, 29 Dec 70

Further characterization of the galactosyltransferases in chick cartilage. Helting T.
Biochim Biophys Acta 227:42-55, 13 Jan 71

Metabolic compartmentation at the molecular level: the function of a multienzyme aggregate in the pyrimidine pathway of yeast. Lue PF, et al.
Biochim Biophys Acta 220:365-72, 16 Dec 70

Lactose synthetase activities in rat and mouse mammary glands. McKenzie L, et al.
Biochim Biophys Acta 230:526-30, 1971

Effects of cycloheximide and puromycin on glycosyltransferases of microsomal fractions from rat brain. Shah SN, et al.
Biochim Biophys Acta 239:126-31, 8 Jun 71

Comparative properties of 2,3-oxidosqualene-lanosterol cyclase from yeast and liver. Shechter I, et al.
Biochim Biophys Acta 220:463-8, 16 Dec 70

The effect of polyamines on the methylation of Escherichia coli methyl-deficient transfer RNA by their homologous methylases. Young DV, et al.
Biochim Biophys Acta 238:447-63, 27 May 71

Influence of the 30S ribosomal subunit on the peptidyl transferase activity of the 50S ribosomal subunit from Escherichia coli. Berman ML, et al.
Biochimie 53:233-42, 1971

N-Acetylglucosaminyltransferase activity in liver, serum, and ovaries of domestic fowl. Gornall DA, et al.
Can J Biochem 49:671-5, Jun 71

Transfer RNA and transfer RNA modification in differentiation and neoplasia. Introductory remarks. Baker CG.
Cancer Res 31:596, May 71

Transfer RNA and transfer RNA modification in differentiation and neoplasia. Introduction. Borek E.
Cancer Res 31:596-7, May 71

Lack of N-hydroxy-2-acetylaminofluorene sulfotransferase activity in the mammary gland and Zymbal's gland of the rat. Irving CC, et al.
Cancer Res 31:387-91, Apr 71

Agents of modulation of the transfer RNA methylases. Kerr SJ, et al. Cancer Res 31:633-6, May 71

Initiation of malignant transformation and the significance of changes in transfer RNA methylase enzymes. Pillinger DJ, et al.
Cancer Res 31:630-2, May 71

Methotrexate and cytosine arabinoside modulation of thymidylate synthetase activity in CCRF-CEM cells. Roberts D, et al. Cancer Res 31:457-62, Apr 71

Transfer RNA methylase activity in normal rat liver and some Morris hepatomas. Sheid B, et al.
Cancer Res 31:774-7, Jun 71

The regulation of transfer RNA methylation in normal and neoplastic mammary cells. Turkington RW.
Cancer Res 31:644-6, May 71

Influence of a latent virus on transfer RNA-methylating enzymes. Wainfan E.
Cancer Res 31:710-5, May 71

The synthesis of complex carbohydrates by multiglycosyltransferase systems and their potential function in intercellular adhesion. Roseman S.
Chem Phys Lipids 5:270-97, Oct 70

Brain glycosaminoglycans and glycosaminoglycan sulphotransferase in Sanfilippo syndrome. George E, et al. Clin Chim Acta 30:317-24, Nov 70

Hepatic ethylmorphine demthylase and delta-4-steroid reductase in the androgen-insensitive pseudohermaphroditic rat. Bullock LP, et al.
Endocrinology 88:1521-3, Jun 71

Retinal localization of the hydroxyindole-O-methyl transferase (HIOMT) in the rat. Cardinali DP, et al.
Endocrinology 89:301-3, Jul 71

Stimulatory effect of aminoglutethimide on phenylethanolamine-N-methyl transferase (PNMT). Duckworth WC, et al. Endocrinology 88:384-8, Feb 71

Effect of dibutyryl cyclic-AMP on adrenal catecholamine-synthesizing enzymes in repeatedly immobilized hypophysectomized rats. Kvetňanský R, et al. Endocrinology 89:50-5, Jul 71

Effect of hypophysectomy on immobilization-induced elevation of tyrosine hydroxylase and phenylethanolamine-N-methyl transferase in the rat adrenal. Kvetnansky R, et al.
Endocrinology 87:1323-9, Dec 70

A bioassay for thyroxine based on rat kidney transamidinase activities. Van Pilsum JF, et al.
Endocrinology 87:1237-44, Dec 70

Multiplicity and specificity of UDP-glucuronyltransferase. I. Effect of divalent cations and EDTA on the activity of UDP-glucuronyltransferase assayed with bilirubin, 4-methylumbelliferone and p-nitrophenol. Frei J.
Enzymol Biol Clin (Basel) 11:385-401, 1970

Multiplicity and specificity of UDP-glucuronyl transferase. II. Influence of phenobarbital and cholestasis on the activity of glucuronyl transferase and beta-glucuronidase in rat liver. Okolicsanyi L, et al. Enzymol Biol Clin (Basel) 11:402-11, 1970

Influence of high cholesterol diet on some liver enzymes. Sapre N, et al.
Enzymologia 40:64-70, 31 Jan 71

The effect of 3,5-diethyl hydantoin on cardiac phosphorylase activity. Bilder GE, et al.
Eur J Pharmacol 12:246-8, Oct 70

Ethanol increases liver uridine-diphosphate-glucuronyltransferase. Ideo G, et al. Experientia 27:24-5, 15 Jan 71

Regulation of the tRNA methylases. Sharma OK, et al.
Fed Proc 30:167-76, Jan-Feb 71

Local enzymatic changes in muscle fibre in muscular diseases. Kamieniecka Z, et al.
Folia Histochem Cytochem (Krakow) 8:145-58, 1970

Seasonal cycles in melatonin synthesis by the pineal gland as related to testicular function in the house sparrow (Passer domesticus). Barfuss DW, et al.
Gen Comp Endocrinol 17:183-93, Aug 71

Factors in the measurement of pineal acetylserotonin methyltransferase activity in the lizard Sceloporus occidentalis. Quay WB.
Gen Comp Endocrinol 17:220-6, Aug 71

The influence of corticoids on the phenylethanolamine-N-methyl transferase activity in the adrenal glands of Gallus domesticus. Wassermann GF, et al. Gen Comp Endocrinol 17:83-93, Aug 71

Electron microscopical observation of polyglucose synthesized from glucose-1-phosphate by the phosphorylase activity in rat skeletal muscles. Takeuchi T, et al. Histochemie 23:310-8, 1970

Interaction between the first enzyme for histidine biosynthesis and histidyl transfer ribonucleic acid. Blasi F, et al. J Bacteriol 106:506-13, May 71

Observations on the rhodanese activity of Desulfotomaculum nigrificans. Burton CP, et al.
J Bacteriol 107:375-6, Jul 71

Regulation of S-adenosylmethionine synthetase in Escherichia coli. Holloway CT, et al.
J Bacteriol 104:734-47, Nov 70

Survey of the photosynthetic bacteria for rhodanese (thiosulfate: cyanide sulfur transferase) activity. Yoch DC, et al. J Bacteriol 106:700-1, May 71

Transcarboxylase. X. Assembly of active transcarboxylase from its inactive subunits and incorporation of the biotin-carboxyl carrier protein. Ahmad F, et al. J Biol Chem 245:6486-8, 10 Dec 70

Mechanism of action of guinea pig liver transglutaminase. VII. Chemical and stereochemical aspects of substrate binding and catalysis. Chung SI, et al. J Biol Chem 245:6424-35, 10 Dec 70

Thymidylate synthetase activity in cultured mammalian cells. Conrad AH.
J Biol Chem 246:1318-23, 10 Mar 71

Mannosyl transfer in Cryptococcus laurentii. Garancis JC, et al. J Biol Chem 245:3945-55, 10 Aug 70

Transcarboxylase. IX. Parameters effecting dissociation and reassociation of the enzyme. Jacobson B, et al. J Biol Chem 245:6471-83, 10 Dec 70

The sialic acids. XII. Synthesis of colominic acid by a sialyltransferase from Escherichia coli K-235. Kundig JD, et al. J Biol Chem 246:2543-50, 25 Apr 71

The anthranilate synthetase-anthranilate-5-phosphorribosylpyrophosphate phosphoribosyltransferase aggregate. On the reaction mechanism of anthranilate synthetase from Salmonella typhimurium. Nagano H, et al.
J Biol Chem 245:3810-20, 10 Aug 70

Inactivation of glycogen synthetase and activation of phosphorylase kinase by muscle adenosine 3',5'-monophosphate-dependent protein kinases. Soderling TR, et al. J Biol Chem 245:6317-28, 10 Dec 70

Sulfation of sugar nucleotides. II. A particulate sulfotransferase system catalyzing the sulfation of uridine diphosphate N-acetylgalactosamine. Tsuji M, et al. J Biol Chem 245:6039-45, 25 Nov 70

Glycoprotein biosynthesis. Incorporation of glycosyl groups into endogenous acceptors in a Golgi apparatus-rich fraction of liver. Wagner RR, et al.
J Biol Chem 246:143-51, 10 Jan 71

Studies on the coordinate activity and liability of orotidylate phosphoribosyltransferase and decarboxylase in human erythrocytes, and the effects of allopurinol administration. Fox RM, et al.
J Clin Invest 50:1050-60, May 71

The tRNA methylases during thyroxine-induced differentiation in bull frog tadpoles. Pillinger DJ, et al. J Endocrinol 49:547-8, Mar 71

Action of diphtheria toxin in the guinea pig. Baseman JB, et al. J Exp Med 133:1138-52, 1 Dec 70

The nature of sulphation of uronic acid-containing glycosaminoglycans catalysed by brain sulphotransferase. George E, et al.
J Neurochem 17:189-200, Feb 70

Biosynthesis of lactosylceramide by rat brain preparations and comparison with the formation of ganglioside Gm1 and psychosine during development. Hildebrand J, et al. J Neurochem 17:403-11, Mar 70

Occurrence and properties of catechol-O-methyl

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

transferase in adrenergic neurons. Jarrott B. J Neurochem 18:17-27, Jan 71
Trans-sulphuration in primate brain: regional distribution of methionine-activating enzyme in the brain of the rhesus monkey at various stages of development. Volpe JJ, et al. J Neurochem 17:413-24, Mar 70
Biochemical factors involved in the anorexia of thiamin deficiency in rats. Bai P, et al. J Nutr 101:731-7, Jun 71
Correlation between the nutritive value of dietary protein and the activity of kidney transamidinase of growing rats. Takeuchi H, et al. J Nutr 101:495-9, Apr 71
T3 and T7 bacteriophage deoxyribonucleic acid-directed enzyme synthesis in vitro. Herrlich P, et al. J Virol 6:750-3, Dec 70
Phenobarbital induction of UDP-glucuronyltransferase in isolated rat hepatocytes. Henderson PT. Life Sci [II] 10:655-60, 8 Jun 71
Assay of tRNA methylase enzymes in studies of malignant transformation in vitro. Pillinger DJ, et al. Life Sci [II] 10:241-9, 8 Mar 71
The role of nucleoside phosphorylases in the degradation of deoxyribonucleosides by thymine-requiring mutants of E. coli. Beacham IR, et al. Mol Gen Genet 110:289-98, 1971
Transfer RNA methylases and cancer. Craddock VM. Nature (Lond) 228:1264-8, 26 Dec 70
Changes in adrenal enzymes synthesizing catecholamines in attack behaviour evoked by hypothalamic stimulation in the cat. Reis DJ, et al. Nature (Lond) 229:562-3, 19 Feb 71
Is the ontogeny of glucuronyl transferase adaptive? Cusworth RB, et al. Nature [New Biol] 229:216-7, 17 Feb 71
Histamine and histamine methyltransferase in the gastric mucosa of man, pig, dog and cow. Lorenz W, et al. Naunyn Schmiedebergs Arch Pharmakol 267:421-32, 1970
Histamine methyltransferase in salivary glands and gastric mucosa of man, dog, pig and cow. Lorenz W, et al. Naunyn Schmiedebergs Arch Pharmakol 266:395-6, 1970
Pineal hydroxyindole-O-methyltransferase (HIOMT) activity in female Japanese quail. (Coturnix coturnix japonica). Alexander B, et al. Neuroendocrinology 6:236-46, 1970
Pineal hydroxyindole-O-methyltransferase and gonadal responses to blinding or continuous darkness blocked by pineal denervation in the male hamster. Eichler VB, et al. Neuroendocrinology 8:81-5, 1971
Pineal and gonadal function in the rat following cervical sympathectomy. Moore RY, et al. Neuroendocrinology 7:361-74, 1971
Increased phosphorylase activity in muscle in hyperparathyroid disease. Cape CA. Neurology (Minneap) 21:638-41, Jun 71
Evidence for transfer of enzyme product as the basis of metabolic cooperation between tissue culture fibroblasts of Lesch-Nyhan disease and normal cells. Cox RP, et al. Proc Natl Acad Sci USA 67:1573-9, Nov 70
The carboxyl transferase component of acetyl CoA carboxylase: structural evidence for intersubunit translocation of the biotin prosthetic group. Guchhait RB, et al. Proc Natl Acad Sci USA 68:653-7, Mar 71
Specific transformylation of one methionyl-tRNA from cotton seeding chloroplasts by endogenous and Escherichia coli transformylases. Merrick WC, et al. Proc Natl Acad Sci USA 68:641-4, Mar 71
Mitotic separation of two human X-linked genes in man--mouse somatic cell hybrids. Miller OJ, et al. Proc Natl Acad Sci USA 68:116-20, Jan 71
The implication of ruminal thiaminase in cerebrocortical necrosis. Edwin EE, et al. Proc Nutr Soc 30:7A, May 71
Effect of psychosocial stimulation on the enzymes involved in the biosynthesis and metabolism of noradrenaline and adrenaline. Henry JP, et al. Psychosom Med 33:227-37, May-Jun 71
Studies on frog muscle glycogen synthetase. Factors affecting its activity. Albert JL, et al. Rev Esp Fisiol 26:139-46, Jun 70
Partial deficiency of hypoxanthine-guanine phosphoribosyltransferase associated with gout and uric acid lithiasis. Sperling O, et al. Rev Eur Etud Clin Biol 15:943-7, Nov 70
Purine base incorporation into erythrocyte nucleotides and erythrocyte phosphoribosyltransferase activity in primary gout. Sperling O, et al. Rev Eur Etud Clin Biol 16:147-51, Feb 71
Ribosome-catalyzed polyester formation. Fahnestock S, et al. Science 173:340-3, 23 Jul 71
Lesch-Nyhan syndrome: altered kinetic properties of mutant enzyme. McDonald JA, et al. Science 171:689-91, 19 Feb 71
Transfer of bilirubin uridine diphosphate-glucuronyltransferase to enzyme-deficient rats. Rugstad HE, et al. Science 170:553-5, 30 Oct 70
Substrate-induced conjugation of bilirubin in genetically deficient newborn rats. Thaler MM. Science 170:555-6, 30 Oct 70
Comparison of cavian and murine glucosiduronidation of estriol and estradiol. Spaeth DG, et al. Steroids 17:39-57, Jan 71
Changes in enzymes synthesizing catecholamines resulting from hypothalamic stimulation producing attack behavior in cat. Reis DJ, et al. Trans Am Neurol Assoc 95:104-7, 1970
Effect of triton X-100 on the galactosyl transferase activity of chick embryo cells. Pradal MB, et al. Z Naturforsch [B] 26:625-6, Jun 71
[Infantile hypothyroidism caused by iodotyrosine-dehalogenase deficiency. II. Results of iodine treatment in 5 cases (8 years of recession in 1 case)] Codaccioni JL, et al. Ann Endocrinol (Paris) 31:1174-82, Nov-Dec 70 (Fre)
[Infantile hypothyroidism caused by iodotyrosine-dehalogenase deficiency. I. 4 new cases] Codaccioni JL, et al. Ann Endocrinol (Paris) 31:1161-73, Nov-Dec 70 (Fre)
[Biosynthesis of glycoproteins. XXI. A study of microsomal mannosyl transferase from splenocytes] Richard M, et al. Bull Acad R Med Belg 9:107-12, 1969 (Fre)
[Specific enzyme activities of the golgi apparatus zone and lysosomes in hepatocytes in culture, in the normal state and after toxic action] Hébert S, et al. C R Soc Biol (Paris) 164:703-6, 1970 (Fre)
[Changes in gamma-glutamyltranspeptidase activity in the liver and kidney of mice during their development] Jouanel P, et al. C R Soc Biol (Paris) 164:794-7, 1970 (Fre)
[The dependence of various enzyme activities and substrate concentrations in cattle lenses on age] Hockwin O, et al. Ber Dtsch Ophthalmol Ges 70:368-76, 1970 (Ger)
[Enzymatic methylation of L-ascorbic acid] Blaschke E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:296-7, 1970 (Ger)
[Effect of alpha-hexachlorocyclohexane on enzymes of pyrimidine metabolism and their susceptibility to actinomycin] Oberdisse E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:412-3, 1970 (Ger)
[Glycogen and its splitting enzymes in keratoachantoma] Alcini E, et al. Ann Ital Chir 45:391-400, 1969 (Ita)
[Increase of transaldolase in the hyperthyroid rat liver] Fossa T. Boll Soc Ital Biol Sper 45:560-1, 15 May 69 (Ita)
[Phosphoribosyl transferase deficiency. Preliminary studies on a group of mentally retarded subjects] Bravi A, et al. Reumatismo 21:274-6, Sep-Oct 69 (Ita)
[Metabolism of glucuronic acid. 21. Effects of nucleic acids on activities of several enzymes associated with formation of glucuronide under administration of borneol in the Gunn rat] Tsuzuki S. Folia Pharmacol Jap 66:511-29, 20 Sep 70 (Jap)
[Influence of testosterone on aspartate carbamoyltransferase (EC 2.1.3.2) in the liver and kidney of the rat] Tarnawski R, et al. Endokrynol Pol 21:439-43, Jul-Aug 70 (Pol)
[Studies on carbamoyltransferase (E.C. 2. 1. 3. 2.) activity in Saccharomyces cerevisiae] Zak T, et al. Med Dosw Mikrobiol 22:395-401, 1970 (Pol)
[Activity of blood serum and liver enzymes at different stages of experimental mechanical jaundice and development of biliary liver cirrhosis] Gromashevskaia LL, et al. Biull Eksp Biol Med 70:43-5, Nov 70 (Rus)
[Activity of rat liver transketolase with different insulin levels] Maĭdanova NV. Biull Eksp Biol Med 71:87-9, May 71 (Rus)
[Changes in the muscle fibers of the soleus muscle during hypokinesia] Starostin VI, et al. Dokl Akad Nauk SSSR 190:1215-7, 11 Feb 70 (Rus)
[Determination of catechol-O-methyltransferase activity in vivo] Kulinskiĭ VI. Lab Delo 2:94-9, 1971 (Rus)
[The relationship between transamidinase activity and streptomycin biosynthesis] Penzikova GA, et al. Mikrobiologiia 39:337-42, Mar-Apr 70 (Rus)
[Repression and depression of glycine amidinotransferase in the rat pancreas at different stages of the development of pancreatitis] Karelin AA, et al. Vopr Med Khim 16:595-600, Nov-Dec 70 (Rus)
[Effect of the radioprotector cystamine on the activity of monoamine oxidase and catechol-O-methyltransferase] Kulinskiĭ VI, et al. Vopr Med Khim 17:145-52, Mar-Apr 71 (Rus)
[Parallel determination of monoamine oxidase and catechol-O-methyl transferase activity in vivo] Kulinskiĭ VI, et al. Vopr Med Khim 17:103-9, Jan-Feb 71 (Rus)
[Effect of methionine and calcium pangamate on the transketolase activity of rat liver and erythrocytes] Kaptukh RF, et al. Vopr Pitan 29:81-2, Jul-Aug 70 (Rus)

PHARMACODYNAMICS

A protein fraction from rat liver ribosomes stimulating initiation of polyphenylanine synthesis at lor Mg++ concentration. Grummt F. Acta Biol Med Ger 24:K55-60, 1970
Catechol O-methyltransferase. 3. M- and p-O-methylation of catecholamines and their metabolites. Creveling CR, et al. Mol Pharmacol 6:891-6, Nov 70

RADIATION EFFECTS

The rôle of transketolase functional groups oxidized on enzyme photoinactivation. Kochetov GA, et al. Enzymologia 39:348-52, 30 Dec 70

TRANSFERENCE (PSYCHOLOGY) (F3)

Mythic consonance and dissonance in the vicissitudes of transference. Stolorow RD. Am J Psychoanal 30:178-9, 1970
Basic psychoanalytic concepts. Boenheim C. Br J Psychiatry 117:477, Oct 70
Basic psychoanalytic concepts. 8. Special forms of transference. Sandler J, et al. Br J Psychiatry 117:561-8, Nov 70
Institutional transference and disengagement. A study of an outpatient clinic. Sampath HM, et al. Can Psychiatr Assoc J 16:227-32, Jun 71
Institutional transference--further consideration. Safirstein SL. Dis Nerv Syst 31:Suppl:149-54, Nov 70
Transference and countertransference in hypnosis. Gruenewald D. Int J Clin Exp Hypn 19:71-82, Apr 71
Special problems with the use of cotherapists in group psychotherapy. Davis FB, et al. Int J Group Psychother 21:143-58, Apr 71
Transference in group psychotherapy revisited. Durkin HE. Int J Group Psychother 21:11-22, Jan 71
Discussion of 'the non-transference relationship in the psychoanalytic situation'. Int J Psychoanal 51:143-50, 1970
Action, acting out and the symptomatic act. Atkins NB. J Am Psychoanal Assoc 18:631-43, Jul 70
On the conception and development of the transference neurosis. Blum HP. J Am Psychoanal Assoc 19:41-53, Jan 71
On the current concept of the transference neurosis. Introduction. Calef V. J Am Psychoanal Assoc 19:22-5, Jan 71
Transference neurosis: concluding remarks] Calef V. J Am Psychoanal Assoc 19:89-97, Jan 71
The current status of transference neurosis in children. Harley M. J Am Psychoanal Assoc 19:26-40, Jan 71
The transference neurosis: comments on the concept and the phenomenon. Loewald HW. J Am Psychoanal Assoc 19:54-66, Jan 71
The transference neurosis: a survey of the literature. Weinshel EM. J Am Psychoanal Assoc 19:67-88, Jan 71 (28 ref.)
Reassociation of dreams. I. Repetitive analysis of the first dream to induce regression, resolve a negative transference, and assess improvement. A series of verbatim recordings. Abramson HA. J Asthma Res 8:115-50, Mar 71
Degree of negative transference occurring in group psychotherapy and client outcome in juvenile delinquents. Truax CB. J Clin Psychol 27:132-6, Jan 71
Unanalyzability and narcisistic transference disturbances. Angel K. Psychoanal Q 40:264-76, 1971
[The physician and his erotomaniac patient (Contribution to the idea of cure by transferrence)] Haynal A. Ann Med Psychol (Paris) 1:57-64, Jan 71 (Fre)
[Solitude and transference: a study on character neuroses] Neyraut M. Rev Fr Psychanal 34:81-100, Jan 70 (Fre)
[Transference and countertransference in psychologic therapy. 1. Introduction based on a review of the literature on the concepts of transference and countertransference] Knöll H. Prax Kinderpsychol Kinderpsychiatr 19:113-22, May-Jun 70 (18 ref.) (Ger)

TRANSFERRIN (D10)

Distribution of transferrin phenotypes in selected troops of Kenya baboons. Buettner-Janusch J, et al. Am J Phys Anthropol 33:363-6, Nov 70
On the structure of ovotransferrin. Isolation and characterization of the cyanogen bromide fragments and evidence for a duplicate structure. Phillips JL, et al. Biochemistry 10:1160-5, 30 Mar 71
Modification of carboxyl groups of transferrin. Bezkorovainy A, et al. Biochim Biophys Acta 214:37-43, 27 Jul 70
Is divalent iron bound to transferrin? Gaber BP, et al. Biochim Biophys Acta 221:228-33, 17 Nov 70
Further studies of transferrins of the arctic ground squirrel Spermophilus undulatus (rodentia: sciuridae). Nadler CF, et al. Comp Biochem Physiol 36:81-6, 1 Sep 70
The binding of scandium ions to transferrin in vivo and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in vitro. Ford-Hutchinson AW, et al.
Eur J Biochem 21:55-9, 15 Jul 71
Current concepts on transferrin. Factors affecting serum transferrin including pregnancy and hormonal therapy. Cartei G, et al.
Folia Endocrinol (Roma) 23:579-92, Oct 70 (59 ref.)
Disturbed segregation at the transferrin locus of the deer mouse. Canham RP, et al.
Genet Res 16:355-7, Dec 70
Selection at the transferrin locus in mice. Ashton GC, et al. Genetics 67:253-65, Feb 71
Population studies on Southwestern Indian tribes. 3. Serum protein variations of Zuni and Papago indians. Brown KS, et al. Hum Hered 20:281-6, 1970
Haptoglobin and transferrin variants in two Congolese Bantu tribes. Holmgren G, et al.
Hum Hered 20:433-5, 1970
The haptoglobin and transferrin types in West Bengal and a case of haptoglobin 'Johnson'. Mukherjee BN, et al. Hum Hered 20:209-14, 1970
Investigations on the geographical variability of the human transferrins. Walter H, et al.
Humangenetik 12:267-74, 1971
The role of antigenic conformation in antigen-antibody complex formation. Faust CH Jr, et al.
Immunochemistry 8:211-23, Feb 71
The kinetics and mechanism of iron(3) exchange between chelates and transferrin. IV. The reaction of transferrin with iron(3) nitrilotriacetate. Bates GW, et al. J Biol Chem 246:3679-85, 10 Jun 71
Structural studies on bovine lactoferrin. Castellino FJ, et al. J Biol Chem 245:4269-75, 10 Sep 70
Nuclear magnetic relaxation dispersion in protein solutions. 3. Copper transferrin and bicarbonate-free copper transferrin. Gaber BP, et al.
J Biol Chem 245:4251-5, 10 Sep 70
The preparation of 59 Fe-labelled transferrin for ferrokinetic studies. Cavill I.
J Clin Pathol 24:472-4, Jul 71
Blood and milk protein polymorphisms in relation to feed efficiency and production traits of dairy cattle. Arave CW, et al. J Dairy Sci 54:106-12, Jan 71
New method for determining total iron-binding capacity of serum (TIBC) with radioiron by eliminating iron from transferrin. Saito H.
J Nucl Med 12:489-92, Jul 71
Transferrin. Princiotto JV, et al.
Nature (Lond) 229:435, 5 Feb 71
[Experiments using radioiodine-human transferrin in patients with substituted insufficiency of the anterior pituitary gland] Glaubitt D, et al.
Acta Endocrinol [Suppl] (Kbh) 152:51, 1971 (Ger)
[Effect of bacterial neuraminidases on human, bovine and rabbit transferrins] Scharmann W, et al.
Biochim Biophys Acta 229:136-42, 19 Jan 71 (Ger)
[Paternity exclusion using the transferrin system] Bender K, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:468-71, Nov 70 (Ger)
[Effect of methandrostenolone on blood iron and transferrin levels] Zeneroli ML.
Endocrinol Sci Cost 31:115-8, May 70 (Ita)
[Changes in the content of some metals and metal enzymes in the blood of patients following resection of the small intestine] Seniutovich VF, et al.
Vopr Pitan 29:21-5, Sep-Oct 70 (Rus)

ANALYSIS

Total iron-binding capacity of plasma in normals and hyperthyroid patients, under oral overloading. Sottano de Russo E, et al.
Am J Clin Pathol 54:82-9, Jul 70
Pseudoparaproteinemia due to hypertransferrinemia. Zawadzki ZA, et al. Am J Clin Pathol 54:802-9, Dec 70
Qualitative and quantitative analysis of the proteins in human amniotic fluid. Fischbacher PH, et al.
Am J Obstet Gynecol 108:1051-5, 1 Dec 70
Immunoquantitation of transferrin in chickens with lymphoid tumors. Fletcher OJ Jr.
Am J Vet Res 32:1121-3, Jul 71
Factors affecting resolution, band width, number of theoretical plates, and apparent diffusion coefficients in polyacrylamide gel electrophoresis. Lunney J, et al.
Anal Biochem 40:158-73, Mar 71
Immunity, transferrin, and survival in kwashiorkor. Reddy S, et al. Br Med J 4:268-70, 31 Oct 70
State of iron(3) in normal human serum: low molecular weight and protein ligands besides transferrin. Sarkar B. Can J Biochem 48:1339-50, Dec 70
Karyotypes and serum transferrin patterns of hybrids between Asian and Oceanian black rats, Rattus rattus. Yosida TH, et al. Chromosoma 34:40-50, 1971
Use of an anion-exchange column to determine serum iron-binding capacity. Lehmann HP, et al.
Clin Chem 17:941-7, Sep 71
Simultaneous and completely automated methods for serum iron and iron-binding capacity determinations. Friedman HS, et al. Clin Chim Acta 31:315-27, Feb 71
The serum proteins and transferrins of the ground squirrel subgenus Spermophilus. Nadler CF.
Comp Biochem Physiol 27:487-503, Nov 68
A study of iron binding capacity of serum in pulmonary tuberculosis. Mukerji PK, et al.
Indian J Chest Dis 9:148-51, Jul 67
Transferrin and pre-albumin polymorphisms in swine selected for backfat thickness. Kraeling RR, et al.
J Anim Sci 32:174-8, Feb 71
The carbohydrate sequence of the glycopeptide chains of human transferrin. Jett M, et al.
J Biol Chem 246:3686-93, 10 Jun 71
Serum-alpha2-macroglobulin, transferrin, albumin, and IgG levels in preeclampsia. Horne CH, et al.
J Clin Pathol 23:514-6, Sep 70
Canine serum transferrins. Stevens RW, et al.
J Hered 61:71-3, Mar-Apr 70
[Possible use of atomic adsorption spectrophotometry for evaluation of serum iron and of saturation capacity of siderophilin] Dreux C, et al.
Ann Biol Clin (Paris) 29:251-6, 1971 (Fre)
[Comparative measurements of the lactotransferrin level in certain organs. Comparison between normal and fetal and cancerous tissues] Loisillier F, et al.
Pathol Biol (Paris) 19:167-70, Feb 71 (Fre)
[Immunological studies on subretinal fluids with reference to clinical aspects] Liesenhoff H, et al.
Ber Dtsch Ophthalmol Ges 70:197-203, 1970 (Ger)
[Results of human serum transferrin type determinations] Rex-Kiss B, et al.
Humangenetik 10:351-4, 1970 (Ger)
[Immunoglobulins and transferrin in blood donors. Studies on the protein distribution in Viennese permanent blood donors] Mlczoch J, et al.
Wien Med Wochenschr 121:378-80, 1 May 71 (Ger)
[A simple radiochemical method for determination of the latent serum iron-binding capacity] Johannsen B.
Z Med Labortech 10:349-52, 1969 (Ger)
[Hemoglobin and transferrin systems and concentration of some minerals in the blood of cows] Wegner W, et al.
Zentralbl Veterinaermed [A] 17:874-88, Dec 70 (Ger)
[Diagnostic and prognostic importance of transferrin determination in viral hepatitis] Arcuri F, et al.
G Mal Infett Parassit 22:659-60, Oct 70 (Ita)
[Transferrin, haptoglobin and ceruloplasmin in the maternal and fetal sera] Matsui Y.
J Jap Obstet Gynecol Soc 23:10-8, Jan 71 (Jap)
[Serum transferrin after oral iron loading] Cieśliñska A. Pol Tyg Lek 25:1159-61, 3 Aug 70 (Pol)
[Polymorphism in reindeer transferrins] Shubin PN, et al. Dokl Akad Nauk SSSR 193:697-9, 1970 (Rus)
[Indices of serum transferrin, copper and ceruloplasmin in donors] Guliaev EA.
Probl Gematol Pereliv Krovi 16:29-31, Jan 71 (Rus)
[Correlation of iron and folates between mother and newborn infant] Soberón J, et al.
Ginecol Obstet Mex 29:287-94, Mar 71 (Spa)

ANTAGONISTS & INHIBITORS

Studies of the effect of sulphydryl and other inhibitors on reticulocyte uptake of doubly-labelled transferrin. Edwards SA, et al. Br J Haematol 20:405-16, Apr 71

BIOSYNTHESIS

Plasma protein metabolism during lactation in the rabbit. Jordan SM, et al.
Am J Physiol 219:1549-54, Dec 70
The biosynthesis of rat serum albumin. V. Effect of protein depletion and refeeding on albumin and transferrin synthesis. Morgan EH, et al.
J Biol Chem 246:3500-7, 10 Jun 71
Intracellular aspects of transferrin synthesis and secretion in the rat. Morgan EH, et al.
J Biol Chem 246:3508-11, 10 Jun 71
Synthesis of serum albumin, prealbumin, alpha-foetoprotein, alpha-1-antitrypsin and transferrin by the human yolk sac. Gitlin D, et al.
Nature (Lond) 228:995-7, 5 Dec 70
[Synthesis in vitro of transferrin by human tissues] Ricci G, et al.
Boll Soc Ital Biol Sper 45:716-8, 15 Jun 69 (Ita)

BLOOD

[Total serum transferrin and iron binding capacity in rats after iron overloads] Josipowicz A.
C R Soc Biol (Paris) 164:1001-3, 1970 (Fre)
[Detection of alcoholic cirrhosis of the liver by immunologic determination of IgA and transferrin] Aron E, et al. Presse Med 79:357-8, 13 Feb 71 (Fre)
[Changes of tryptophan-nicotinic acid metabolism and the blood levels of ceruloplasmin and transferrin during pregnancy and treatment with contraceptives or estrogens] Meani A, et al.
Acta Vitaminol Enzymol (Milano) 24:231-5, 1970 (Ita)
[Serum transferrin levels in newborn infants and their mothers] Martinelli M, et al.
Boll Soc Ital Biol Sper 45:718-20, 15 Jun 69 (Ita)
[Changes in iron, copper, transferrin and ceruloplasmin during infantile contagious hepatitis] Norelli MT, et al.
Minerva Pediatr 23:511-24, 24 Mar 71 (Ita)
[Level of iron and transferrin in the blood of patients treated with typhoid vaccine] Lipnicki B.
Klin Oczna 41:33-8, 1971 (Pol)

CEREBROSPINAL FLUID

The determination of non-heme iron and transferrin in cerebrospinal fluid. Bleijenberg BG, et al.
Clin Chim Acta 31:277-81, Jan 71

CLASSIFICATION

Transferrins of human serum in the Polish population. Schlesinger D, et al.
Arch Immunol Ther Exp (Warsz) 19:163-72, 1971

DIAGNOSTIC USE

[Use of post-transferrin polymorphism (Pt) in paternity determination tests] Prokop O, et al.
Dtsch Gesundheitsw 25:1916-2, 1 Oct 70 (Ger)

ISOLATION & PURIFICATION

The origin of the new bovine transferrin type TfPy. Vasenius L. Acta Vet Scand 12:106-8, 1971

METABOLISM

Turnover of transferrin and gamma-G-globulin after a simple mastectomy. Mouridsen HT.
Acta Chir Scand 136:29-33, 1970
The role of the kidney in albumin, transferrin and IgG catabolism in the rat. Seward JM, et al.
Aust J Exp Biol Med Sci 48:389-95, Aug 70
Binding of manganese and transferrin in rat serum. Keefer RC, et al.
Biochim Biophys Acta 221:390-3, 17 Nov 70
The cellular distribution of transferrin-bound iron in the skin. Beamish MR, et al.
Br J Dermatol 85:49-51, Jul 71
Studies of the effect of sulphydryl and other inhibitors on reticulocyte uptake of doubly-labelled transferrin. Edwards SA, et al. Br J Haematol 20:405-16, Apr 71
Effects of inflammation on iron and transferrin metabolism. O'Shea MJ, et al.
Br J Haematol 21:357, Sep 71
Studies on the mechanism of interaction between rabbit transferrin and reticulocytes. Baker E, et al.
J Cell Physiol 77:377-84, Jun 71
Iron transport in the blood. Fletcher J.
Proc R Soc Med 63:1216-8, Dec 70
Maternally derived transferrin in pigeon squabs. Freiinger JA. Science 171:1260-1, 26 Mar 71
[Effect of UHF electromagnetic fields on the content of iron, copper and some metalloproteins in the blood and tissues] Lazarovich VG.
Biull Eksp Biol Med 70:44-6, Oct 70 (Rus)
[The iron saturation of transferrin in eczema and certain other dermatoses] Likhniakevich NV.
Vestn Dermatol Venerol 44:32-4, Mar 70 (Rus)
[Iron saturation of blood plasma transferrin in with syphilis and gonorrhea] Tumasheva NI, et al.
Vestn Dermatol Venerol 44:53-5, Jun 70 (Rus)
[Blood serum transport proteins in iron deficiency anemia in young children] Dzhurabekova DKh, et al.
Vopr Okhr Materin Det 15:24-30, Oct 70 (Rus)

PHARMACODYNAMICS

The effect of iron and transferrin on the killing of Escherichia coli in fresh serum. Fletcher J.
Immunology 20:493-500, Apr 71
Iron compounds and resistance to infection. Further experiments with Clostridium welchii type A in vivo and in vitro. Rogers HJ, et al.
Immunology 19:521-38, Oct 70

SECRETION

Intracellular aspects of transferrin synthesis and secretion in the rat. Morgan EH, et al.
J Biol Chem 246:3508-11, 10 Jun 71

URINE

Proteinuria in patients with urinary tract tumours. Johansson B, et al. Scand J Urol Nephrol 5:229-33, 1971
[Preparation of urinary transferrin and its identification with serotransferrin] Goussault Y, et al. C R Acad Sci [D] (Paris) 271:1912-3, 23 Nov 70 (Fre)

TRANSFORMATION, GENETIC (G1)

Transformation in cultural Trypanosoma cruzi grown in association with the fungus Candida sp. Lehmann DL.
Ann Trop Med Parasitol 64:331-4, Sep 70
Antibiotics, as elucidators of nucleic acid structure, replication, and transfer. Bryson V, et al.
Antimicrob Agents Chemother 9:5-10, 1969
Regulation of competence development in Bacillus subtilis. Felkner IC, et al.
Biochem Biophys Res Commun 41:901-8, 25 Nov 70
Fate of transforming DNA in Bacillus subtilis strain sensitive to methyl methanesulfonate. Zadraźil S, et al. Biochem Biophys Res Commun 42:876-83, 19 Feb 71
Fate of Bacillus subtilis transforming deoxyribonucleic acid incorporated into transformable Diplococcus

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

pneumoniae. Silverstein E, et al.
Biochemistry 10:683-91, 16 Feb 71
Transformation with sonicated DNA. Gouchet A, et al.
Biochim Biophys Acta 340:191-4, 30 Jun 71
Competence for genetic transformation and the release of DNA from Bacillus subtilis. Sinha RP, et al.
Biochim Biophys Acta 232:61-71, 25 Feb 71
Effects on bacterial transformation of single-strand breaks in DNA produced by deoxyribonuclease I and gamma rays. Thorsett GO, et al.
Biochim Biophys Acta 238:67-74, 29 Apr 71
Transformation of the marker of the competence factor from Streptococcus challis to Streptococcus wicky. Dobrzański WT, et al.
Bull Acad Pol Sci [Biol] 18:549-52, 1970
Initial temperature sensitivity of streptomycin-dependent and tryptophan transformants of Bacillus subtilis. McDonald WC.
Can J Microbiol 17:823-5, Jun 71
New ideas and data on competence and DNA entry in transformation of bacillus subtilis. Erickson RJ.
Curr Top Microbiol Immunol 53:149-99, 1970 (172 ref.)
The substance with competence inducing activity interacts with DNA and produces a hyperchromic increase of optical density. Kohoutová M, et al.
Folia Microbiol (Praha) 15:183-91, 1970
Transformation mapping of tryptophan loci in Micrococcus luteus. Kloos WE, et al.
Genetics 66:595-605, Dec 70
Hereditary change in Bombyx after treatment with DNA. Nawa S, et al. Genetics 67:221-34, Feb 71
Transformation of Bacillus subtilis using hybrid DNA molecules constructed by annealing resolved complementary strands. Strauss N.
Genetics 66:583-93, Dec 70
Transformation in Streptomyces with respect to antibiotic production. Biswas GD, et al.
J Appl Bacteriol 34:287-94, Mar 71
Genetic transformation in Bacillus with respect to antibiotic production. Biswas GD, et al.
J Appl Bacteriol 34:277-85, Mar 71
Transformation between Haemophilus influenzae and Haemophilus parainfluenzae. Beattie KL, et al.
J Bacteriol 104:390-403, Oct 70
Transforming ability of bacterial deoxyribonucleic acid in relation to the marker efficiencies in Diplococcus pneumoniae during thymidine starvation. Brunel F, et al. J Bacteriol 106:904-7, Jun 71
Uptake of synthetic polynucleotides by competent cells of Bacillus subtilis. Ciferri O, et al.
J Bacteriol 104:684-8, Nov 70
Transformation in Bacillus amyloliquefaciens. Coukoulis H, et al. J Bacteriol 105:319-22, Jan 71
Binding of deoxyribonucleic acid by cell walls of transformable and nontransformable streptococci. Deddish P, et al. J Bacteriol 105:779-86, Mar 71
Selection of cells transformed to prototrophy for sporulation markers. Hoch JA.
J Bacteriol 105:100-1, Mar 71
Competence factor production in chemically defined media by noncompetent cells of group H Streptococcus strain Challis. Leonard CG, et al.
J Bacteriol 104:874-83, Nov 70
Repair of irradiation transforming deoxyribonucleic acid in wild type and a radiation-sensitive mutant of Micrococcus radiodurans. Moseley BE, et al.
J Bacteriol 105:976-83, Mar 71
Induction of hemolysin synthesis by tranformation in Staphylococcus aureus. Nomura H, et al.
J Bacteriol 105:873-5, Feb 71
Mechanism of inactivation of transforming deoxyribonucleic acid by X rays. Randolph ML, et al.
J Bacteriol 106:231-6, Apr 71
Autolytic activity associated with competent group H streptococci. Ranhand JM, et al.
J Bacteriol 106:257-68, Apr 71
Demonstration of transforming deoxyribonucleic acid in an autolysate of a group H Streptococcus. Ranhand JM, et al. J Bacteriol 106:712-3, May 71
Factors affecting transfection in Bacillus stearothermophilus. Streips UN, et al.
J Bacteriol 106:960-5, Jun 71
Competence-inducing factor of Bacillus stearothermophilus. Streips UN, et al.
J Bacteriol 106:955-9, Jun 71
Mode of action of the competence-inducing factor of Bacillus stearothermophilus. Streips UN, et al.
J Bacteriol 106:868-75, Jun 71
Effects of pH on transformation of Bacillus subtilis with single-stranded deoxyribonucleic acid. Tevethia MJ, et al. J Bacteriol 106:802-7, Jun 71
Relationship between competence for transformation of Bacillus subtilis with native and single-stranded deoxyribonucleic acid. Tevethia MJ, et al.
J Bacteriol 106:808-11, Jun 71
ppearance of a protein "agglutinin" on the spheroplast membrane of pneumococci during induction of competence. Tomasz A, et al.
J Bacteriol 105:1213-5, Mar 71
The transformation of both recipient strands of pneumococcal DNA. Butler LO.
J Gen Microbiol 61:137-40, Apr 70
Characterization by transformation of an ampicillin-resistant mutant of pneumococcus. Butler LO, et al. J Gen Microbiol 61:189-95, May 70
Further studies on genetic transformation in Rhizobium. Raina JL, et al.
J Gen Microbiol 65:181-5, Feb 71
Specificity of lactate for the development of competence in Haemophilus influenzae. Ranhand JM.
J Gen Microbiol 60:141-4, Jan 70
A comparison of streptococcal competence factors produced by strain Challis in chemically defined and complex media. Ranhand JM, et al.
J Gen Microbiol 65:131-8, Feb 71
Genetic transformation in Proteus mirabilis. Rensburg AJ van. J Gen Microbiol 66:215-9, May 71
Degradation of adsorbed transforming DNA by haemophilus influenzae. Stuy JH, et al.
J Gen Microbiol 65:147-52, Feb 71
Fate of transforming DNA following uptake by competent Bacillus subtilis. I. Formation and properties of the donor-recipient complex. Dubnau D, et al. J Mol Biol 56:209-21, 14 Mar 71
In vivo restoration of the biological activity of transforming DNA inactivated by 32P disintegration. Rosenthal PN, et al. J Mol Biol 50:573-7, 14 Jun 70
Genetic and physical properties of unintegrated donor DNA molecules during Hemophilus transformation. Notani NK. J Okla State Dent Assoc 59:223-6, 14 Jul 71
Transfection of Escherichia coli spheroplasts. I. General facilitation of double-stranded deoxyribonucleic acid infectivity by protamine sulfate. Benzinger R, et al. J Virol 7:646-50, May 71
Source of the nonlinear dependence of bacteriophage SP82 transfection on deoxyribonucleic acid concentration. Epstein HT. J Virol 7:749-52, Jun 71
Transfer of thymidine kinase to thymidine kinaseless L cells by infection with ultraviolet-irradiated herpes simplex virus. Munyon W, et al. J Virol 7:813-20, Jun 71
Influence of transformability on the formation of superinfection double lysogens in Haemophilus influenzae. Stuy JH, et al. J Virol 7:127-36, Jan 71
Genetic properties of a T factor and T-r recombinants. Kameda M, et al. Jap J Microbiol 14:339-49, Sep 70
Studies on atypical mycobacteria. VII. The transformation of the color of atypical mycobacteria. Ogawa T, et al. Kitasato Arch Exp Med 42:15-26, Jun 69
Relationship between competence and doubling time in Bacillus subtilis cultures. López R, et al.
Life Sci [II] 9:1141-50, 22 Oct 70
Transformation in Bacillus subtilis. A simple direct method. Aharonowitz Y, et al.
Mol Gen Genet 107:94-6, 1970
Heterospecific transformation of Pneumococcus and Streptococcus. IV. Variations in hybrid DNA produced by recombination. Biswas GD, et al.
Mol Gen Genet 110:1-22, 1971
The mechanism of competence in the transformation of streptococci of serological group H. Transformation of the marker of the competence factor from S. challis to S. wicky. Dobrzański WT, et al.
Mol Gen Genet 106:312-21, 1970
Genetic and transfection studies with B. subtilis phage SP50. II. Temperature sensitive mutants and the establishment of a linkage map. Havender WR, et al.
Mol Gen Genet 106:61-9, 1970
An electron microscopic study of the relation between length and transforming activity of H. influenzae DNA. Nicolaieff A, et al.
Mol Gen Genet 109:269-77, 1970
DNA fixation and development of transformability and transfectability in Bacillus subtilis. Oostindier-Braaksma F, et al.
Mol Gen Genet 106:23-7, 1970
Genetic and transfection studies with B, subtilis phage SP 50. I. Phage mutants with restricted growth on B. subtilis strain 168. Rottländer E, et al.
Mol Gen Genet 106:47-60, 1970
One way to do experiments on gene conversion? Transfection with heteroduplex SPP1 DNA. Spatz HC, et al. Mol Gen Genet 109:84-106, 1970
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. I. Effects of genetic mismatch and target size. Day RS 3d, et al.
Mutat Res 11:293-311, Mar 71
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. II. A reextraction study of integration and repair. Day RS 3d, et al.
Mutat Res 11:313-26, Mar 71
Fate of donor DNA in some poorly transformable strains of Haemophilus influenzae. Kooistra J, et al.
Mutat Res 9:245-53, Mar 70
Transformation-defective strains of Haemophilus influenzae. Beattie KL, et al.
Nature [New Biol] 231:177-9, 9 Jun 71
Susceptibility of trisomic and of triploid human fibroblasts to simian virus 40 (SV40). Payne FE, et al.
Nature [New Biol] 230:190, 7 Apr 71
Rescue of genetic markers from bacteriophage phi 29 DNA fragments. Tsien HC, et al.
Pathol Microbiol (Basel) 36:288, 1970
Transformation of mouse 3T3 cells by murine sarcoma virus: release of virus-like particles in the absence of replicating murine leukemia helper virus. Bassin RH, et al. Proc Natl Acad Sci USA 68:1520-4, Jul 71
Fate of transforming DNA after uptake by competent Bacillus subtilis: failure of donor DNA to replicate in a recombination-deficient recipient. Davidoff-Abelson R, et al. Proc Natl Acad Sci USA 68:1070-4, May 71
DNA-induced transformation in Drosophila: genetic analysis of transformed stocks. Fox AS, et al.
Proc Natl Acad Sci USA 68:342-6, Feb 71
DNA-induced transformation in Drosophila: evidence for transmission without integration. Fox AS, et al.
Proc Natl Acad Sci USA 67:1834-8, Dec 70
DNA-induced transformation in Drosophila: locus-specificity and the establishment of transformed stocks. Fox AS, et al.
Proc Natl Acad Sci USA 67:1668-15, Nov 70
Transformation of infectivity in Rhizobium japonicum. Marečková H.
Zentralbl Bakteriol [Naturwiss] 125:594-6, 1970
[Transformation of a mutant of "Bacillus subtilis" by DNA of "Streptomyces coelicolor"] Mergeay M, et al.
Arch Int Physiol Biochim 78:603-4, Aug 70 (Fre)
[Lysogenic conversion of O1 antigen of Salmonella] Chomiczewski J, et al.
Arch Roum Pathol Exp Microbiol 28:934-8, Dec 69 (Fre)
[Biological activity of native and denatured DNA from T4 B phage in lysoxyme spheroplasts of E. coli] Fonchtein LM.
Arch Roum Pathol Exp Microbiol 28:922-7, Dec 69 (Fre)
[Transforming RNA bearers of hereditary characters in showdomycino-resistant Escherichia coli] Beljanski M, et al.
C R Acad Sci [D] (Paris) 272:2107-10, 19 Apr 71 (Fre)
[RNA episome carried by the DNA of wild and showdomycin-resistant Escherichia coli] Beljanski M, et al.
C R Acad Sci [D] (Paris) 272:2736-9, 24 May 71 (Fre)
[The transformability of Rhizobium trifolii] Birnbaum D.
Zentralbl Bakteriol [Naturwiss] 122:561-72, 1968 (Ger)
[Transferable resistance in enterobacteria and epidemiology of chemotherapy-resistance factors] Glammanco G, et al. Ig Mod 63:353-68, 1970 (Ita)
[Genetic transformation in Haemophilus influenzae] Dragomirescu T.
Microbiol Parazitol Epidemiol (Bucur) 16:197-207, May-Jun 71 (Rum)
[Genetic transformation of selenium resistance and selenium reductase formation in Bacillus megaterium] Koval'skiĭ VV, et al.
Dokl Akad Nauk SSSR 194:1429-32, 1970 (Rus)
[Integration of donor DNA fragment during phage transformation] Vinetskiĭ IuP, et al.
Dokl Akad Nauk SSSR 198:211-4, 1971 (Rus)
[Ultrastructure of streptococci at different stages of L-transformation] Rimkunas A, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:65-8, Apr 71 (Rus)
[Genetic transformation in Klebsiella rhinoscleromatis] Turianitsa AI, et al.
Mikrobiol Zh 33:110-2, 1971 (Ukr)

DRUG EFFECTS

Elimination of genetic elements governing competence in transformation of Neisseria meningitidis by treatment with ethidium bromide and acriflavin. Jyssum K.
Acta Pathol Microbiol Scand [B] 79:265-74, 1971
Effect of isoxanthopterin on the activity of transforming DNA in Bacillus subtilis. Smith J, et al.
Nature [New Biol] 229:217-8, 17 Feb 71
Morphological transformation of Chinese hamster cells by dibutyryl adenosine cyclic 3':5'-monophosphate and testosterone. Hsie AW, et al.
Proc Natl Acad Sci USA 68:358-61, Feb 71
[Effect of chloramphenicol and erythromycin on the transformation activity of DNA isolated from Streptococcus haemolyticus Challis] Tereshin IM, et al. Mikrobiologiia 39:661-4, Jul-Aug 70 (Rus)

RADIATION EFFECTS

Inactivation of the transforming capacity of SV40 and the oncogenicity of adenovirus 12 by ultraviolet irradiation. Yamamoto H.
Jap J Microbiol 14:487-93, Nov 70
Dependence of the U.V. survival of transforming DNA on the amount of DNA uptake per cell. Harm H.
Mol Gen Genet 107:71-84, 1970
[Repair by polynucleotide ligase in vitro of damage in DNA induced by x-rays] Postnova TI, et al.
Dokl Akad Nauk SSSR 195:976-8, 1970 (Rus)

TRANSIENTS AND MIGRANTS (M, N1)

Group care of infants in migrant day care centers. McConnell B. Am J Public Health 61:1330-4, Jul 71
Homeless men in London. I. Demographic findings in a lodging house sample. Patch IC.
Br J Psychiatry 118:313-7, Mar 71
Rock festival health services. Hospitals should gear for

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rise in transient youth health problems. Rooen W.
Can Hosp 48:8-10, Jul 71
The influence of post-independence migrations on blood group distribution in Lusaka, Zambia. Ezeilo GC.
East Afr Med J 47:686-92, Dec 70
Reported incidence of pica among migrant families. Bruhn CM, et al.
J Am Diet Assoc 58:417-20, May 71
Studies of migrant populations. Haenszel W.
J Chronic Dis 23:289-91, Nov 70
Identification of migrants and their descendents in the United States. Haenszel W.
J Chronic Dis 23:383-7, Nov 70
Opportunities for studies of cardio-respiratory diseases in migrants. Kagan A.
J Chronic Dis 23:335-44, Nov 70
The role of migrant population in studies of selected cancer sites: a review. Kmet J.
J Chronic Dis 23:305-24, Nov 70 (52 ref.)
Role of migrant populations in studies of environmental effects. Kotin P.
J Chronic Dis 23:293-304, Nov 70
A study of disease in migrants and their siblings: development of sibling rosters. Magnus K, et al.
J Chronic Dis 23:405-10, Nov 70
Liver cancer differentials in immigrant and local-born Chinese in Singapore. Shanmugaratnam K, et al.
J Chronic Dis 23:443-8, Nov 70
A study of nasopharyngeal cancer among Singapore Chinese with special reference to migrant status and specific community (dialect group). Shanmugaratnam K, et al.
J Chronic Dis 23:433-41, Nov 70
Sources of demographic data on migrant groups for epidemiological studies of chronic diseases. Staszewski J, et al.
J Chronic Dis 23:351-73, Nov 70
Differential mortality from cardiovascular disease in migrants from England and Wales, Scotland and Italy, and native-born Australians. Stenhouse NS, et al.
J Chronic Dis 23:423-31, Nov 70
Ascertainment of men of Japanese ancestry in Hawaii through World War II Selective Service registration. Worth RM, et al.
J Chronic Dis 23:389-97, Nov 70
Role differentiation, empathy, and neurosis in urban migrants and lower-class residents of Santiago, Chile. Stephan WG, et al.
J Pers Soc Psychol 19:1-6, Jul 71
A school health program for the children of migrant and seasonal agricultural workers. Progress report 1970. Dougherty SE.
J Sch Health 41:115-8, Mar 71
A comparative study of relative incidence of stone types between a transient military population and the indigenous population of the Hawaiian Islands. Wurster JC, et al.
J Urol 104:581-5, Oct 70
Impressions on greek immigrants. Moraitis S, et al.
Med J Aust 1:598-600, 13 Mar 71
Financial arrangements for medical treatment of overseas students. Throssell RP.
Med J Aust 1:406, 13 Feb 71
Men of the sea: a description of a psychiatric population of merchant seamen using the M.M.P.I. Tuft L, et al.
Ment Hyg 54:440-3, Jul 70
The fertility of migrants to and within North America. Long LH.
Milbank Mem Fund Q 48:297-316, Jul 70
Student clinic for migrant laborers. Duncan T, et al.
Northwest Med 70:464-7, Jul 71
[Primary infection of children of immigrant workers] Straus P, et al.
Ann Pediatr (Paris) 17:624-30, 2 Oct 70 (Fre)
[Social security of migrant workers in the Communauté Economique Européenne 11 years after the treaty of Rome] Blancher G.
Arch Mal Prof 30:249-51, Apr-May 69 (Fre)
[Primary tuberculosis in migrant adults] Macquet V, et al.
Lille Med 16:339-41, Feb 71 (Fre)
[Dependence of demographic data on the proportion of foreigners] Neumann G.
Munch Med Wochenschr 113:1050-6, 16 Jul 71 (Ger)
[Risk groups and social environment] Berg B.
Tidsskr Nor Laegeforen 91:1348, 20 Nov 71 (Nor)

TRANSILLUMINATION (E1)

Cranial transillumination in early and severe malnutrition. Rozovski J, et al.
Br J Nutr 25:107-11, Jan 71
Melophagus ovinus: feeding mechanism on transilluminated mouse ear. Nelson WA, et al.
Exp Parasitol 26:308-13, Dec 69
Qualitative and quantitative Nomarski differential interference contrast-fluorescence microscopy on cell culture monolayers. Geissinger HD, et al.
Mikroskopie 27:129-35, Jul 71
[Diaphanoscopy of the tympanic cavity. I. Transtubal illumination in healthy patients] Rossi M, et al.
Clin Otorinolaringoiatr 20:734-9, Nov-Dec 68 (Ita)
[Examination of the fundus oculi by diascleral illumination (ophtalmodiaphanoscopy)] Khachaturova NK.
Oftalmol Zh 24:437-40, 1969 (Rus)
[Transillumination vasography of the urinary bladder] Sigal MZ, et al.
Urol Nefrol (Mosk) 35:35-9, Nov-Dec 70 (Rus)
[Use of microtransillumination in stomach surgery] Sorokin SS.
Vestn Khir 105:57-60, Nov 70 (Rus)
[Pneumoencephalography and transillumination of the skull in the diagnosis of cerebrospinal fluid disorders in infants in the 1st months of life] Iampol'skaia EI.
Vopr Okhr Materin Det 16:26-32, Jan 71 (Rus)
[Diaphanoscopy and diaphanography in the diagnosis of breast tumors] Korbinskiĭ VV.
Vopr Onkol 16:18-21, 1970 (Rus)
[Transillumination of the choledochus] Fernandez Catania D, et al.
Rev Esp Enferm Apar Dig 33:155-6, 15 Jan 71 (Spa)
[Appliation of craneal transillumination in infants Standardization of its technic and results] Zamar R, et al.
Rev Fac Cienc Med Cordoba 28:115-22, Apr-Jun 70 (Spa)

TRANSLATING (L)

[Accelerating the publishing of Russian-foreign and foreign-Russian medical dictionaries] Rubakin AN.
Klin Med (Mosk) 47:152-4, Sep 69 (Rus)

TRANSLATIONS (L)

Some data on the Persian translation of the EPI.
Mehryar AH.
Br J Soc Clin Psychol 9:257-63, Sep 70
Substantive significance of the linguistic relativity hypothesis when using translations of written personality measures. Harwood BT.
J Soc Psychol 81:3-8, Jun 70

HISTORY

Purkyne's fibers: the first report (1839), the German version (1845), and the English version. (Purkyne), Kruta V.
Bull NY Acad Med 47:351-7, Apr 71
Early American English translations of European medical works. Gaskell E.
Med Hist 14:300-7, Jul 70
[Works of Christoph Wilhelm Hufeland (1762-1836) in Japanese translation] (Hufeland CW), Pfeifer K.
Dtsch Gesundheitsw 25:658-60, 8 Apr 70 (Ger)

TRANSLOCATION (GENETICS) see under

CHROMOSOME ABERRATIONS (G1)

TRANSMISSIBLE GASTROENTERITIS OF SWINE

see GASTROENTERITIS, TRANSMISSIBLE OF SWINE (C1, C15)

TRANSPHOSPHORYLASES see

PHOSPHOTRANSFERASES (D9)

TRANSPLANTATION (E4)

see also related
HISTOCOMPATIBILITY TESTING (E5)
NEOPLASM TRANSPLANTATION (E5)
TISSUE DONORS (M)
TISSUE PRESERVATION (K5)

Bar Council report on organ transplants.
Br Med J 3:716, 18 Sep 71
Important factors in extracorporeal organ support with special reference to the heart. Pitzele S.
Can J Surg 14:100-13, Mar 71 (133 ref.)
Organs for sale.
Can Med Assoc J 104:712, 17 Apr 71
Transplantation, implantation, and grafts. Boyne PJ.
Dent Clin North Am 15:433-53, Apr 71
Nuclear control of cell movement in amoebae: nuclear transplantation study. Jeon KW.
Exp Cell Res 50:467-71, May 68
Organs for transplantation.
Lancet 1:120-1, 16 Jan 71
Transplantation and the law.
Lancet 2:253, 31 Jul 71
Transplants and the Human Tissue Act 1961. Lanham D.
Med Sci Law 11:16-24, Jan 71
Transplantation in the brave new world. Davidson HA.
Mest Hyg 52:467-8, Jul 68
The heart, the head, and the Halakhah. Rosenfeld RA.
NY State J Med 70:2615-9, 15 Oct 70
Autograft, homograft, and heterograft. Kahn S.
Plast Reconstr Surg 47:379-81, Apr 71
[Methods governing the choice of the donor in organ transplantations] Betuel H.
Minerva Chir 26:693-702, 15 Jul 71 (Fre)
[Organ grafts. A declaration of the International Transplantation Society] Hamburger J, et al.
Presse Med 79:1001-2, 1 May 71 (Fre)
[Organ removal and transplantation] Gütgemann A, et al.
Dtsch Med Wochenschr 96:609-14, 9 Apr 71 (Ger)
[Juristic problems in organ transplantation in the USSR]
Dtsch Med Wochenschr 96:1027-8, 4 Jun 71 (Ger)
[Organ transplantation: legal questions from the surgeon's viewpoint] Bauer KH.
Langenbecks Arch Chir 322:22-44, 1968 (Ger)
[Forensic aspects of organ transplantation] Bockelmann P.
Langenbecks Arch Chir 322:44-61, 1968 (Ger)
[Host choice for organ transplantations by means of a desk computer] Mayr WR, et al.
Wien Med Wochenschr 120:334-7, 2 May 70 (Ger)
[Resuscitation, cerebral death and organ transplantation] Walsa R.
Orv Hetil 111:3003-10, 20 Dec 70 (81 ref.) (Hun)
[The laws and transplantations] Simonetti N.
Minerva Med 62:Suppl:26, Aug-Sep 71 (Ita)
[Demonstration of the reality of death for purposes of removing and transplanting essential single visceral organs] Gilli R, et al.
Zacchia 5:51-74, Jan-Mar 69 (Ita)
[Medical-legal prolems in transplantation] Gromov AP.
Eksp Khir Anesteziol 15:20-3, Sep-Oct 70 (Rus)
[Organ transplantation] Petrovskiĭ BV.
Klin Med (Mosk) 48:13-25, Aug 70 (Rus)
[Gas sterilization of tissue transplants and a stationary installation for this purpose] Savel'ev VI.
Ortop Travmatol Protez 32:76-8, Feb 71 (Rus)
[Organ transplantation] Quijano M.
Gac Med Mex 100:441-55, May 70 (Spa)

HISTORY

History of corneal transplantation. Paton RT.
Int Ophthalmol Clin 10:181-6, Summer 70
[Introduction of free skin grafting into Denmark. A centenary] Petersen NC.
Ugeskr Laeger 132:2327-31, 3 Dec 70 (Dan)
[Organ transplantation. Introduction] Linder F, et al.
Stud Gen (Berl) 23:299-300, 1970 (Ger)
[From the history of transplantation of ovaries in Russia] Miraskiĭ MB.
Akush Ginekol (Mosk) 46:75-7, Oct 70 (Rus)

INSTRUMENTATION

[Experience in the replacement of bone defects using pulverized spongy bone transplanted by means of revolvar syringe] Limberg AA, et al.
Vestn Khir 105:107-14, Dec 70 (Rus)

STANDARDS

Criteria for determining that death has occurred. The Philadelphia protocol. Shapiro HA.
J Forensic Med 16:1-3, 1969
A declaration of the International Society of Transplantation. Hamburger J, et al.
Transplantation 12:77-9, Jul 71
[Comment on the rules of the Academy with reference to the definition and diagnosis of death] Werthemann A.
Bull Schweiz Akad Med Wiss 26:5-7, Jun 70 (Ger)

TRANSPLANTATION, AUTOLOGOUS (E4)

Flaps and grafts in head and neck surgery. Sisson GA, et al.
Arch Otolaryngol 92:599-603 passim, Dec 70
Autogenous cancellous bone and marrow transplants. Boyne PJ.
Clin Orthop 73:199-209, Nov-Dec 70
Another way to manage the split-thickness skin donor site. Stallings JO, et al.
J Bone Joint Surg [Am] 53:185-6, Jan 71
The surgical treatment of male pattern baldness with punch scalp autografts. Abu Jamra F.
J Med Liban 23:315-20, 1970
Experimental lung transplantation in the baboon. Joseph WL, et al.
J Surg Res 11:6-11, Jan 71
The immediate autogenous bone graft by the intraoral route. Rossi G.
Minerva Stomatol 19:418-24, Nov 70
[Apropos of some new aspects in immunodermatology] Cormane RH.
Arch Belg Dermatol Syphiligr 25:287-97, 1969 (Fre)

TRANSPLANTATION, HETEROLOGOUS (E4)

Immunologic properties of anti-lymphocyte sera. Inderbitzin TM.
Int Arch Allergy Appl Immunol 41:110-6, 1971
The immunologic response to xenografts. Recognition of mouse H-2 histocompatibility antigens by the rat. Sachs DH, et al.
J Immunol 107:481-92, Aug 71
Mitral valve replacement by calf aortic heterograft and its clinical evaluation. Lorkiewicz Z, et al.
Langenbecks Arch Chir 328:115-27, 1971
Introduction of a heterologous nucleus into enucleated cytoplasms of cultured mouse L-cells. Ladda RL, et al.
Proc Natl Acad Sci USA 67:1528-33, Nov 70
Heterologous transplantation of a tissue culture line of a human melanoma (TC491). Manuelidis EE.
Yale J Biol Med 43:307-22, Feb-Apr 71
[Studies of non-swelling corneas. Chemical and physicochemical properties of the grafts. Their tolerance in animal experimentation] Payrau P, et al.
Ann Ocul (Paris) 204:583-94, Jun 71 (Fre)
[Behavior of the mesoderm and ectoderm of the limb bud in the exchanges between chicken and rat] Jorquera R, et al.
C R Acad Sci [D] (Paris) 272:1522-5, 15 Mar 71 (Fre)
[Heterotopic graft of baboon liver in a patient with fulminating hepatitis] Leger L, et al.
Chirurgie 96:249-51, 1970 (Fre)
[Possibilities and limits of xenogenic organ transplantations] Land W.
Chirurg 42:172-8, Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Morphological studies on heterologous heart valve transplants under varying conditions of sterilization] Hehrlein FW, et al.
Thoraxchirurgie 18:244-5, Jun 69 (Ger)
[Implantation of human prostatic adenoma-tissue in the anterior chamber of eye of male guinea pig] Senge T, et al. Urol Int 26:72-6, 1971 (Ger)
[A method for the estimation of damage due to preservation and sterilization in homologous and heterologous transplants of heart valves and dura mater] Haas H, et al.
Z Klin Chem Klin Biochem 8:218-20, May 70 (Ger)
[Allogenic inhibition as a mechanism of tissue homeostasis] Kisielow P.
Postepy Hig Med Dosw 25:347-66, May-Jun 71 (Pol)
[Survival of xenoplastic transplants in anurous amphibia by treatment with semicarbazide] Alonso M, et al. Rev Esp Fisiol 26:331-4, Dec 70 (Spa)

TRANSPLANTATION, HOMOLOGOUS (E4)

Clotting abnormalities following orthotopic and heterotopic transplantation of marginally preserved pig livers. Homatas J, et al.
Acta Hepatosplenol (Stuttg) 18:14-26, Jan-Feb 71
Paediatric aspects of transplantations. Kouvalainen K.
Acta Paediatr Scand [Suppl] 206:Suppl 206:60+, 1970
Primary carcinoma of the cervix appearing in immunosuppressed renal transplant recipient. Tallent MB, et al.
Am J Obstet Gynecol 109:663-4, 15 Feb 71
Prolonged survival of male-to-female skin isografts and of allografts from normal mice following treatment of recipient or graft with sera from tumor-bearing mice. Wexler MR, et al. Cancer Res 31:122-6, Feb 71
The immunological consequences of organ homotransplantation in man. Hume DM.
Harvey Lect 64:261-288, 1968-69 (423 ref.)
Rejection of renal homografts. Milgrom F, et al.
Int Arch Allergy Appl Immunol 41:98-100, 1971
Immature joint cartilage and the homograft reaction. McKibbin B. J Bone Joint Surg [Br] 53:123-35, Feb 71
In vitro studies of the human response to organ allografts: appearance and detection of circulating activation lymphocytes. Hersh EM, et al.
J Immunol 107:571-8, Aug 71
Organ transplant registry. Murray JE, et al.
JAMA 217:1546-7, 13 Sep 71
ACS/NIH organ transplant registry. First scientific report. JAMA 217:1520-9, 13 Sep 71
Cyclophosphamide in human organ transplantation. Uldall R, et al. Lancet 2:258-9, 31 Jul 71
The legal aspects of organ transplantation. Baylis P.
Med Sci Law 10:259-60, Oct 70
Formation of new bone in diffusion chambers. Ecke H, et al. Minn Med 53:1077-9, Oct 70
Alliotransplantation of teeth in man on the basis of the Normal Lymphocyte Transfer (NLT) test. Nordenram A, et al. Odontol Revy 21:169-88, 1970
Production of antilymphocyte serum for use in dogs and test of its immunosuppressive potency. Rowiński W, et al. Pol Med J 10:425-30, 1971
Prolonged survival of glutaraldehyde-treated skin homografts. Schechter I.
Proc Natl Acad Sci USA 68:1590-3, Jul 71
Muscle transplantation in normal and dystrophic hamsters. Jasmin G, et al.
Rev Can Biol 29:197-201, Jun 70
Organ transplantation and the law. Beresford HR.
Rocky Mt Med J 68:47-52, Apr 71 (27 ref.)
Some psychiatric aspects of tissue transplanttion. Cheetham RW. S Afr Med J 44:1089-93, 26 Sep 70
Leukocyte grouping and organ transplantation. Van Rood JJ. Stud Gen (Berl) 23:331-43, 1970
The organisation of a transplant unit. Woodruff M.
Stud Gen (Berl) 23:313-8, 1970
Transplantation. Mannick JA.
Surg Gynecol Obstet 132:239-41, Feb 71
[Symposium about genetic aspects of clinical transplantation (HL-A system). Konopiště and Prague, April 19-23, 1971] Hronková-Zoulková J.
Cas Lek Cesk 110:841-2, 1971 (Cze)
[Hemodynamic studies in patients with heart transplantation] Campeau L, et al.
Ann Cardiol Angeiol (Paris) 20:191-6, May-Jun 71 (Fre)
[Human transplants. The medical point of view] Görtz R. Arch Belg Med Soc 27:410-9, Jun 69 (Fre)
[The moral problems of the transplantation of organs] Dormont J.
Bull Acad Natl Med (Paris) 154:623-9, 6 Oct 70 (Fre)
[A turning-point in the history of grafts] Hamburger J.
Bull Acad Natl Med (Paris) 154:606-9, 6 Oct 70 (Fre)
[Problems of medical ethics as well as of biology raised by the progress in resuscitation and in organ transplantation surgery] De Vernejoul R.
Bull Acad R Med Belg 10:435-44, 1970 (Fre)
[Nephrectomy for hypertension. Use of the kidney for grafts] Rampal M, et al.
J Urol Nephrol (Paris) 77:147-9, Jan-Feb 71 (Fre)
[Influence of the age of the donor and the receiver on the course of skin homografts in larvae of triton "Pleurodeles Waltili Michah"] Orfila C, et al.
Pathol Biol (Paris) 18:1033-40, Dec 70 (Fre)
[Death and transplantation of organs. The deontological problems of transplantation] Barni M, et al. Zacchia 7:53-100, Jan-Mar 71 (Fre)
[Death and transplantation of organs. Ascertainment of death] Gerin C, et al. Zacchia 7:1-52, Jan-Mar 71 (Fre)
[Brain death and organ transplantation] Käufer C, et al.
Dtsch Med J 22:185-91, 14 Apr 71 (Ger)
[Organ-transplantation and artificial organs] Schettler G, et al. Dtsch Med J 20:205-10, 5 Apr 69 (Ger)
[Current status of experimental organ transplantation] Bücheri ES.
Langenbecks Arch Chir 322:455-69, 1968 (85 ref.) (Ger)
[Experimental technic and results of homologous nerve transplantation] Seiffert KE, et al.
Langenbecks Arch Chir 322:598-601, 1968 (Ger)
[Tolerance phenomenon and organ transplantation] Sunder-Plassmann P.
Langenbecks Arch Chir 322:517-25, 1968 (Ger)
[Transplantation problems from the point of view of legal liability] Roesch H.
Munch Med Wochenschr 112:2278-82, 11 Dec 70 (Ger)
[Legal premises for organ removal in transplantation. The decision of the Bonn District Court in the Gütgemann case] Roesch H.
Munch Med Wochenschr 112:2330-5, 4 Dec 70 (Ger)
[Ethical aspects of organ transplantation in man] Böckle F. Stud Gen (Berl) 23:443-59, 1970 (Ger)
[Legal problems in organ transplantation] Hanack EW.
Stud Gen (Berl) 23:428-43, 1970 (Ger)
[The Jewish view on organ transplantation] Levinson NP. Stud Gen (Berl) 23:460-6, 1970 (Ger)
[Indications and counterindications for organ transplantation] Schettler G, et al.
Stud Gen (Berl) 23:301-12, 1970 (Ger)
[Antibody and complement reactions in allotransplantates] Seilin D, et al.
Verh Dtsch Ges Inn Med 75:686-9, 1969 (Ger)
[The selection of donors and recipients in organ transplantation] Menzel GR, et al.
Z Gesamte Inn Med 25:625-8, 15 Jul 70 (Ger)
[A method for the estimation of damage due to preservation and sterilization in homologous and heterologous transplants of heart valves and dura mater] Haas H, et al.
Z Klin Chem Klin Biochem 8:218-20, May 70 (Ger)
[Therapy with organ transplantation: actual possibilities and future prospects. I] Cairella M.
Clin Ter 57:63-92, 15 Apr 71 (Ita)
[Lymph drainage by an external fistula of the thoracic duct] Reggiani A, et al.
Minerva Nefrol 18:9-14, Jan-Feb 71 (Ita)
[Death and organ transplantation. (Diagnosis of death)] Gerin C, et al.
Policlinico [Prat] 78:355-70, 1 May 71 (Ita)
[Role of CITO in the problem of preservation and homotransplantation of tissue] Zatsepin ST, et al.
Ortop Travmatol Protez 32:62-7, Mar 71 (Rus)

ADVERSE EFFECTS

Destructive joint changes following kidney transplantation. Report of a case. Aichroth P, et al.
J Bone Joint Surg [Br] 53:488-94, Aug 71
[Osteonecroses of the hip joint in patients following allogenic kidney transplantation] Metyš R, et al.
Cas Lek Cesk 109:1001-3, Sep 70 (Cze)
[Unusual complication of bone homoplasty] Serebriakov VG.
Ortop Travmatol Protez 31:69, Oct 70 (Rus)

HISTORY

An early 20th-century testicular transplant. Haviland TN, et al.
Trans Stud Coll Physicians Phila 38:231-4, Apr 71

STANDARDS

[Basic questions in transplantation receiver problems] Allgöwer M.
Bull Schweiz Akad Med Wiss 26:13-7, Jun 70 (Ger)

TRANSPLANTATION IMMUNOLOGY (G1)

see also related
HISTOCOMPATIBILITY TESTING (E5)

Immunopathological studies of parabiosis in adult mice. Ashikawa K, et al.
Acta Allergol (Kbh) 26:213-42, Jun 71
Functional adequacy of single lungs after autotransplantation, ischemia, or alliotransplantation. Veith FJ. Acta Chir Belg 69:464-70, 1970
Organ-specific, antirenal cellular hypersensitivity after kidney transplantation. Weeke E, et al.
Acta Med Scand 188:307-15, Oct 70
The HL-A system. Genetic and biological implications. Dausset J.
Acta Pathol Microbiol Scand [B] 78:529-46, 1970
Hyperacute kidney rejection in rabbits with lymphocytotoxic antibodies. Lund B, et al.
Acta Pathol Microbiol Scand [B] 78:293-7, 1970
Biopsies from human renal allografts studied by immunofluorescence. Pasternack A, et al.
Acta Pathol Microbiol Scand [B] 79:1-11, 1971
Investigations on the response of some lysosomal enzymes of rabbit leukocytes in the course of immunization with allogenic skin graft. Tchorzewski H, et al. Acta Physiol Pol 22:330-5, 1970
Transplantation antigens. Reisfeld RA, et al.
Adv Immunol 12:117-200, 1970 (348 ref.)
Ultrastructural and histopathologic observations of a human cardiac transplant with features of rejection. Levinsky L, et al. Am J Clin Pathol 53:811-9, Jun 70
A rapid method for preparation of lymphocytes from whole blood for tissue typing. Patel R, et al.
Am J Clin Pathol 54:539-41, Oct 70
Effect of human chorionic gonadotropin on intrauterine skin allograft survival in rats. Kaye MD, et al. Am J Obstet Gynecol 110:640-3, 1 Jul 71
Prolonged survival of heterografted human endometrium with transplantation antigen pretreatment. Laguens RP, et al.
Am J Obstet Gynecol 109:131-4, 1 Jan 71
Primary carcinoma of the cervix appearing in immunosuppressed renal transplant recipient. Tallent MB, et al.
Am J Obstet Gynecol 109:663-4, 15 Feb 71
Corneal thickness during corneal homograft rejection and uveitis in rabbits. Capella JA, et al.
Am J Ophthalmol 72:383-9, Aug 71
Ultramicroscopic alterations in corneal epithelium in corneal grafts. Kanai A, et al.
Am J Ophthalmol 72:119-26, 30 Jul 71
Graft-versus-host disease. Morphologic variation and differential diagnosis in 8 cases of HL-A matched bone marrow transplantation. Krüger GR, et al.
Am J Pathol 63:179-202, May 71
Renal allografts in HL-A matched recipients. Light, immunofluorescence and electron microscopic studies. Rowlands DT Jr, et al.
Am J Pathol 61:177-210, Nov 70
Roentgenologic-pathologic evaluation of rejection in allografted lungs. Siegelman SS, et al.
Am J Roentgenol Radium Ther Nucl Med 112:546-58, Jul 71
A technic for investigating early allograft failure in venous replacement. Dixon CE, et al.
Am Surg 36:742-9, Dec 70
Massive kidney allograft rejection without oliguria. Katz AI, et al. Am Surg 37:273-5, May 71
The effect of antigen pretreatment on canine renal allograft survival. Holl-Allen RT.
Ann R Coll Surg Engl 49:1-17, Jul 71
Operative blood flow measurement in transplanted human kidneys and subsequent rejection. Bergentz SE, et al. Ann Surg 174:44-7, Jul 71
Clinical patterns of renal allograft rejection. Flanigan WJ, et al. Ann Surg 173:733-47, May 71
Elevation in urinary and blood histamine following clinical renal transplantation. Moore TC, et al.
Ann Surg 173:381-8, Mar 71
The significance of heart-binding antibody in human cardiac rejection. Ellis RJ, et al.
Ann Thorac Surg 10:432-42, Nov 70
Acute rejection of the allogrfted human heart. Griepp RB, et al. Ann Thorac Surg 12:113-26, Aug 71
Radiological dissociation of alveolar and vascular phases of rejection in allografted lungs. Siegelman SS, et al. Ann Thorac Surg 12:127-38, Aug 71
Immunology and transplantation. Dosseter JB.
Appl Ther 12:29-31, Jul 70
Chromosome, transplantation and tumour antigen studies of three virus-induced tumour cell lines. Potter AM, et al.
Arch Gesamte Virusforsch 33:61-71, 1971
Immunosuppression and the Guillain-Barré syndrome. Drachman DA, et al. Arch Neurol 23:385-93, Nov 70
Transplantation antigens in xenogeneic keratoplasty. II. Insoluble corneal fractions. Leibowitz HM, et al.
Arch Ophthalmol 84:645-9, Nov 70
Clinical and pathological findings in human cardiac rejection. Ellis B, et al. Arch Pathol 92:58-65, Jul 71
Polymorphonuclear leukocyte count in immediate biopsy of cadaver kidney grafts. Its predictive value for graft survival. Gellei B, et al.
Arch Pathol 92:98-100, Aug 71
Cardiac transplants in mice. 3. Histopathology of allograft rejection in control and antithymocyte serum-treated recipients. Milam JD, et al.
Arch Pathol 91:281-7, Mar 71
Liver histiocytes in rejection of tumor cells. Preliminary studies with the isolated, perfused rodent liver. Draz S, et al. Arch Surg 102:574-7, Jun 71
Chemical markers of transplantation individuality solubilized with sonic energy. Kahan BD, et al.
Bacteriol Rev 35:59-85, Mar 71 (132 ref.)
ULF ballistocardiography in human cardiac transplantation. Shakespeare T, et al.
Bibl Cardiol Suppl 27:1-9, 1971
Transplantation of HL-A identical allogeneic bone marrow to a patient with acute lymphocytic leukemia. Graw RG Jr, et al. Blood 38:736-47, Dec 70
Immunosuppression of the donor in order to affect

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chronic secondary disease of the recipient. Thierfelder S, et al. Blut 21:384-8, 1970

The nature of experimental second-set kidney transplant rejection. 2. The mimicking of the haemodynamic upset by pharmacological and other means. Dempster WJ. Br J Exp Pathol 52:172-85, Apr 71

The nature of experimental second-set kidney transplant rejection. 4. The disturbed haemodynamics and the general significance of failure to perfuse the outer cortical glomeruli in acute renal failure. Dempster WJ. Br J Exp Pathol 52:415-41, Aug 71

The nature of experimental second-set kidney transplant rejection. 1. The role of coagulation in hyperacute (second-set) renal allotransplant rejection in dogs. Pineo GF, et al. Br J Exp Pathol 51:547-62, Dec 70

Persistence of active donor follicles after skin allograft rejection by hamsters. Adler S, et al. Br J Plast Surg 23:326-8, Oct 70

Immunosuppression with cell membrane extracts. Caine RY, et al. Br J Surg 57:847, Nov 70

Active enhancement of canine renal allografts. Holl-Allen RT, et al. Br J Surg 57:852, Nov 70

Macrophage migration and lymphocyte transformation studies on peripheral blood-cells from human renal allograft recipients. House AK, et al. Br J Surg 58:300, Apr 71

Immature joint cartilage and the homograft reaction. McKibbon B. Br J Surg 58:300, Apr 71

Localized immunosuppression of canine renal allografts. Ramsey EW, et al. Br J Surg 57:853, Nov 70

The use of radioactive fibrinogen as a means for detecting rejection of human renal transplants. Salaman JR, et al. Br J Surg 57:855, Nov 70

Labelled fibrinogen in renal transplantation. Straub PW. Br Med J 4:746-7, 19 Dec 70

An in vitro study on migration activity of spleen cells of allografted and antithymocytic serum treated animals. Kossowska-Paul B, et al. Bull Acad Pol Sci [Biol] 18:749-51, 1970

Immunosuppression and keratoplasty. McCulloch C. Can J Ophthalmol 6:161-9, Jul 71

The effect of nonspecific immune stimulation with corynebacterium parvum on patterns of tumor growth. Fisher JC, et al. Cancer 26:1379-82, Dec 70

The adoptive transfer of concomitant immunity to murine tumor isografts with spleen cells from tumor-bearing animals. Deckers PJ, et al. Cancer Res 31:734-42, Jun 71

Tumor-specific immunity in the course of primary polyoma and Rous tumor development in intact and immunosuppressed rats. Sjögren HO, et al. Cancer Res 31:890-900, Jun 71

Prolonged survival of male-to-female skin isografts and of allografts from normal mice following treatment of recipient or graft with sera from tumor-bearing mice. Wexler MR, et al. Cancer Res 31:122-6, Feb 71

Rat heart allograft survival with donor pretreatment. Freeman JS, et al. Circulation 43:Suppl 1:120-3, May 71

Humoral antibody in canine cardiac allograft rejection. Goldman BS, et al. Circulation 43:Suppl 1:115-9, May 71

Extraction of HL-A transplantation antigen in high molecular weight soluble form. Davies DA, et al. Clin Exp Immunol 8:87-90, Jan 71

In vitro assay of cell-mediated immunity: the inhibition of migration of sensitized human lymphocytes by HL-A antigens. Falk RE, et al. Clin Exp Immunol 6:445-55, Apr 70

Fracture healing and the allograft reaction. Sherk HH, et al. Clin Orthop 76:94-9, May 71

Modification of responsiveness to allografts in larvae of the leopard frog by thymectomy. Curtis SK, et al. Dev Biol 25:177-97, Jun 71

Delay in skin allograft rejection in rats grafted with fetal adrenal glands. Besedovsky HO. Experientia 27:697-8, Jun 71

Genetic aspects of human HL-A transplantation antigens. Amos DB. Fed Proc 29:2018-25, Nov-Dec 70

Examination of xenogenous transplants of the human trophoblast. Czubak E. Folia Biol (Krakow) 18:361-76, 1970

Diminished transplantation immunity and parabiotic intoxication under the influence of nonspecific antigenic stimuli. Kowalczyk K. Folia Biol (Krakow) 19:5-27, 1971

Some questions of non-H-2 transplantation tolerance in mice. Němec M, et al. Folia Biol (Praha) 17:86-96, 1971

Immunological responsiveness in CBA-PH and C57BL-6 mice and in their first backcross generation. Poláčková M, et al. Folia Biol (Praha) 17:163-70, 1971

Delayed rejection of skin allografts in offspring of sensitized mothers. Vlahović S, et al. Folia Biol (Praha) 16:330-5, 1970

Effect of host-versus-graft and graft-versus-host reactions on the immune response of mice to sheep red blood cells. Zaleski M. Folia Biol (Praha) 17:111-22, 1971

The problem of compatibility in hematology with particular reference to bone marrow transplantation. Dausset J. Haematol Bluttransfus 9:66-78, 1970

Host and graft factors in the homing of haematopoietic cells. Hašek M, et al. Haematol Bluttransfus 9:79-85, 1970

The immunological consequences of organ homotransplantation in man. Hume DM. Harvey Lect 64:261-288, 1968-69 (423 ref.)

Transplantation antigens in a high molecular weight form. II. Non H-2 mouse antigens and membrane structure. Davies DA, et al. Immunochemistry 8:17-23, Jan 71

Transplantation antigens in a high molecular weight form. I. Mouse H-2 antigens. Hämmerling U, et al. Immunochemistry 8:7-16, Jan 71

Transplantation immunity in annelids. II. Adoptive transfer of the xenograft reaction. Bailey S, et al. Immunology 21:81-6, Jul 71

The role of the graft in the induction of tolerance by antilymphocyte serum and cellular antigen. Fisher JC, et al. Immunology 20:901-7, Jun 71

Bone marrow and lymph node cells in the rejection of skin allografts in mice. Giroud JP, et al. Immunology 19:857-63, Dec 70

Effect of mouse submandibular gland extracts on survival of H-2 incompatible skin allografts. Kongshavn PA, et al. Immunology 19:363-7, Aug 70

An in vitro reaction between lymphoid cells and target fibroblastic cells: a possible model for in vivo rejection of haemopoietic allografts. Mayhew E, et al. Immunology 21:123-36, Jul 71

The role of the sixth component of complement in the rejection of kidney xenografts. Mejía-Laguna JE, et al. Immunology 19:767-9, Nov 70

Observations on the immunobiology of 'nude' mice. Pantelouris EM. Immunology 20:247-52, Feb 71

Organ transplants, allergy and histio-capillary unit reactions. Businco L, et al. Int Arch Allergy Appl Immunol 41:140, 1971

Cell mediated immune reactions "in vitro". Reactivity of lymphocytes from animals sensitized to chicken erythrocytes, tuberculin or transplantation antigens. Chapuis B, et al. Int Arch Allergy Appl Immunol 40:321-39, 1971

Cellular events during the induction of immune responses. Gowans JL. Int Arch Allergy Appl Immunol 41:1-3, 1971

Immunologic properties of anti-lymphocyte sera. Inderbitzin TM. Int Arch Allergy Appl Immunol 41:110-6, 1971

Transplantation tolerance following transfer of donor spleen cells in adult animals. Liacopoulos P, et al. Int Arch Allergy Appl Immunol 41:101-9, 1971

Rejection of renal homografts. Milgrom F, et al. Int Arch Allergy Appl Immunol 41:98-100, 1971

Differences in the manifestation of virus-specific surface antigen between cells transformed by SV40 and UV-irradiated SV40. Klietmann W, et al. Int J Cancer 7:50-8, 15 Jan 71

Concomitant immunity in hamsters bearing syngeneic transplants of tumors induced by para-adenovirus 7, simian adenovirus 7, or 9,10-dimethylbenzanthracene. Lausch RN, et al. Int J Cancer 7:322-30, 15 Mar 71

Transplantation immunity following immunization with extracts of adenovirus 12 tumour cells. Potter CW, et al. Int J Cancer 6:410-4, 15 Nov 70

Tissue typing in relation to transplantation. Joysey VC. Int Rev Exp Pathol 9:233-85, 1970 (199 ref.)

Ultramicroscopic changes in the corneal graft stroma during early rejection. Kanai A, et al. Invest Ophthalmol 10:415-23, Jun 71

Pathology of canine renal allografts prolonged by sheep antilymphocyte plasma. Fox M, et al. Invest Urol 8:563-74, Mar 71

Human renal transplantation with kidney grafts from the newborn. King LR, et al. Invest Urol 8:622-8, May 71

Lymphocyte cultures and skin allograft survival in patients with South American blastomycosis. Mendes NF, et al. J Allergy Clin Immunol 48:40-5, Jul 71

Skin transplantation and the types of lymphocytes involved in rejection. Griffiths A. J Anat 107:194, Jul 70

Immature joint cartilage and the homograft reaction. McKibbin B. J Bone Joint Surg [Br] 53:123-35, Feb 71

Histopathological examination of the myocardium after homotransplantation in dogs. Slezák J, et al. J Cardiovasc Surg (Torino) 11:310-20, Jul-Aug 70

Mixed leukocyte reactivity and leukemia: study of identical siblings. Rudolph RH, et al. J Clin Invest 49:2271-5, Dec 70

Glomerular basement membrane--reactive antibody in anti-lymphocyte globulin. Wilson CB, et al. J Clin Invest 50:1525-35, Jul 71

Immunosuppressive and graft-rejecting anti--bodies in heterologous anti-lymphocytic serum. Cinader B, et al. J Exp Med 133:81-99, 1 Jan 71

Rejection of tumor allografts by mouse spleen cells sensitized in vitro. Cohen IR, et al. J Exp Med 133:821-33, 1 Apr 71

Genetic control of bone marrow graft rejection. I. Determinant-specific difference of reactivity in two pairs of inbred mouse strains. Cudkowicz G. J Exp Med 134:281-93, 1 Jul 71

Peculiar immunobiology of bone marrow allografts. I. Graft rejection by irradiated responder mice. Cudkowicz G, et al. J Exp Med 134:83-102, 1 Jul 71

Transformation of fibroblasts by allogeneic and xenogeneic transplants of demineralized tooth and bone. Huggins C, et al. J Exp Med 132:1250-8, 1 Dec 70

Cellular and vascular components of the allograft reaction. Evidence from returned skin allografts. Lambert PB, et al. J Exp Med 132:868-84, Nov 70

Immunologic injury of renal homografts. Milgrom P, et al. J Exp Med 134:Suppl:193s+, 1 Sep 71

Antigen-specific cells in mouse bone marrow. I. Lasting effects of priming on immunocyte production by transferred marrow. Miller HC, et al. J Exp Med 132:1122-37, 1 Dec 70

Intrarenal complement fixation by cytotxic antibodies. Sellin D, et al. J Exp Med 132:829-44, 1 Oct 70

The sensitization of rats by allografts transplanted to alymphatic pedicles of skin. Tilney NL, et al. J Exp Med 133:951-62, 1 May 71

Tissue transplantation-the universal donor and blood group antibodies. Camp FR Jr, et al. J Forensic Sci 15:500-6, Oct 70

Immunologic deficiency associated with mammary tumor virus (MTV) infection in mice: hemagglutinin response and allograft survival. Blair PB, et al. J Immunol 106:364-70, Feb 71

Graft-vs-host reaction in a xenogeneic combination: mechanism of the reaction. Constantine RI, et al. J Immunol 106:1660-4, Jun 71

Role of the basophilic leukocyte in allograft rejection. Dvorak HF. J Immunol 106:279-81, Jan 71

Lymphocytotoxic antibody response to cardiac allotransplantation in man. II. Characterization of antigenic specificities and immunoglobulin class. Johnson AH, et al. J Immunol 105:1432-8, Dec 70

Passive serologic transfer of allograft immunity in immunologically suppressed mice. II. Effect of graft exposure to immune serum in primary hosts. Kinne DW, et al. J Immunol 106:329-34, Mar 71

Lymphocytotoxic antibody response to cardiac allotransplantation in man. I. Correlation with post-transplantation clinical course. Mittal KK, et al. J Immunol 105:1427-31, Dec 70

Immunofluorescent localization of human immunoglobulin in tissues from cardiac allograft recipients. Rossen RD, et al. J Immunol 106:171-86, Jan 71

The immunologic response to xenografts. Recognition of mouse H-2 histocompatibility antigens by the rat. Sachs DH, et al. J Immunol 107:481-92, Aug 71

The influence of transfusions from unrelated donors upon marrow grafts between histocompatible canine siblings. Storb R, et al. J Immunol 107:409-13, Aug 71

Primary rejection of homologous intraperitoneal fibroblasts: an electron microscopic study. Weiss L, et al. J Immunol 105:1375-88, Dec 70

Human histocompatibility antigens. Mittal KK. J Indian Med Assoc 55:141-4, 16 Aug 70

Development of a transplantation team in Indiana. 3. Postoperative medical management of the transplant patient. Bradley KP, et al. J Indiana State Med Assoc 64:397-8, May 71

Growth of human skin on the hamster. Kreider JW, et al. J Invest Dermatol 57:66-71, Jul 71

The induction of vascular renal allograft rejection by leukocyte sensitizatin. Matthew TH, et al. J Lab Clin Med 77:396-409, Mar 71

Immunological studies with simian virus 40 (SVp0) tumors in hamsters. Effect of xenogenic cells in allogeneic transplantation immunity. Cox HR, et al. J Med (Basel) 1:26-42, 1970

Failure of passive transfer of homograft sensitivity in mice by means of extracts of sensitised lymphoid cells. Warren J, et al. J Med Microbiol 2:279-85, Aug 69

Immunotherapy experiments with a methylcholanthrene-induced guinea pig liposarcoma. Eilber FR, et al. J Natl Cancer Inst 46:803-8, Apr 71

Cross-reacting tumor-specific transplantation antigens in methylcholanthrene-induced guinea pig sarcomas. Holmes EC, et al. J Natl Cancer Inst 46:693-700, Apr 71

Altered host-allograft relationships for mouse tumors modified by prior passage in vitro and in vivo. Jacobs BB. J Natl Cancer Inst 45:263-8, Aug 70

Alteration of skin in grose leukemia. II. Kinetic, preleukemic, and irradiation studies. Mariani T, et al. J Natl Cancer Inst 47:361-6, Aug 71

Resistance to transplants of recent spontaneous parental line tumors by F1 hybrid hosts. Sanford BH, et al. J Natl Cancer Inst 46:95-101, Jan 71

Suppression of tumor growth at the site of infection with living Bacillus Calmette-Guérin. Zbar B, et al. J Natl Cancer Inst 46:831-9, Apr 71

Potential use of 109Pd-porphyrin complexes for selective lymphatic ablation. Fawwaz RA, et al. J Nucl Med 12:231-6, May 71

Increased vascular permeability in the primary allograft response in the skin of the rat. Lykke AW, et al. J Pathol 101:319-27, Aug 70

Cell transfer studies on the persistence of homograft sensitivity in the mouse. Warren J, et al. J Pathol 100:39-51, Jan 70

Coagulation findings in the hemolytic-uremic syndrome of infancy: similarity to hyperacute renal allograft rejection. Katz J, et al. J Pediatr 78:426-34, Mar 71

The induction of new bone and cementum formation. 3.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Utilizing bone and marrow allografts in dogs. Hiatt WH. J Periodontol 41:596-600, Oct 70
Lymphflow and biochemical composition during homograft rejection. Jasani MK, et al. J Physiol (Lond) 207:70P-71P, Apr 70
Effect of interstrain pregnancy on the immune status of female mice sensitized to paternal antigens. Currie GA. J Reprod Fertil 23:501-3, Dec 70
Detection of antibodies to transplantation antigens by platelet aggregometry. Broersma R, et al. J Surg Res 11:173-8, Apr 71
Protection of kidneys by pepsin degraded immunoglobulin. Smith GV, et al. J Surg Res 11:57-9, Feb 71
An improved technique for cervical cardiac homotransplantation in the dog. Bush HL, et al. J Thorac Cardiovasc Surg 62:68-75, Jul 71
Histologic changes associated with rejection of canine lung transplants. Gondos B, et al. J Thorac Cardiovasc Surg 62:183-7, Aug 71
The effect of local graft irradiation on rejection of canine cardiac allografts. Graham WH, et al. J Thorac Cardiovasc Surg 60:730-6, Nov 70
Serial hemodynamic study of the transplanted heart and correlation with clinical rejection. Leachman RD, et al. J Thorac Cardiovasc Surg 61:561-9, Apr 71
Human homotransplantation of normal and neoplastic tissue from the same organ. Tunner WS, et al. J Urol 105:18-20, Jan 71
Round table discussion. Problems of the heart transplantation. Jap Circ J 35:227-43, Feb 71
Effect of antilymphocyte serum on renal allograft survival in dogs with special reference to the cytotoxic titer and immunosuppressive activity. Matsukura M, et al. Jap J Exp Med 41:369-73, Aug 71
Humoral antibodies in canine renal allotransplantation. A preliminary observation by tissue culture technic. Sekiguchi M, et al. Jap J Exp Med 41:375-80, Aug 71
In vitro demonstration of suppression of the efferent site in transplantation immunity with antilymphocyte serum. Tadakuma T, et al. Jap J Microbiol 15:105-8, Jan 71
Significance of serum N-acetyl-beta-D-glucosaminidase in tissue rejection. Ahrens J, et al. Klin Wochenschr 49:540-4, 1 May 71
Immunological enchancement of human kidney graft. Batchelor JR, et al. Lancet 2:1007-10, 14 Nov 70
Reversal of acute clinical and experimental organ rejection using large doses of intravenous prednisolone. Bell PR, et al. Lancet 1:876-80, 1 May 71
HL-A histocompatibility. Dempster WJ. Lancet 1:495-6, 6 Mar 71
Cyclophosphamide and organ transplantation. Lanari A. Lancet 2:704, 25 Sep 71
L-asparaginase and allograft immunity. St. Pierre RL, et al. Lancet 2:1365-6, 26 Dec 70
Controlled clinical trial of antilymphocyte globulin in patients with renal allografts from cadaver donors. Shell AG, et al. Lancet 1:359-63, 20 Feb 71
Correlation of histocompatibility matching with graft rejection and survival after cardiac transplantation in man. Stinson EB, et al. Lancet 2:459-61, 28 Aug 71
Lewis substance in a human marrow-transplantation chimaera. Swanson J, et al. Lancet 1:396, 20 Feb 71
Prevention of graft rejection. Lancet 1:901-2, 1 May 71
Follow-up of a human larynx transplantation. Kluyskens P, et al. Laryngoscope 80:1244-50, Aug 70
Further experimental observations of transplantation of canine larynx. Ogura JH, et al. Laryngoscope 80:1231-43, Aug 70
In vivo testing of antihuman lymphocyte sera. Bekkum DW van, et al. Laval Med 41:248-54, Feb 70
Intravenous use of high dosage of ALG. Brendel W. Laval Med 41:255-9, Feb 70
Immunologic considerations for future cardiac transplantation in man. Butler WT, et al. Laval Med 41:155-60, Feb 70
Management of long term survivors after cardiac allografts in humans. Cachera JP, et al. Laval Med 41:571-6, Apr 70
Results of cardiac transplantation. Cooley DA, et al. Laval Med 41:130-3, Feb 70
Management of acute rejection in heart transplants. Deveber GA. Laval Med 41:593-4, Apr 70
Three cases of allogenic heart grafts in humans. Dubost C, et al. Laval Med 41:139-44, Feb 70
Diagnostic criteria of rejection in human heart transplantation. Dyrda I. Laval Med 41:262-5, Feb 70
The role of platelets in chronic rejection. Evans G, et al. Laval Med 41:Suppl:718-20, May 70
Comments on pathogenesis of the rejection phenomenon. Goldman BS, et al. Laval Med 41:Suppl:706-7, May 70
Experience of the Montreal Heart Institute. Grondin P, et al. Laval Med 41:145-8, Feb 70
Complications of prolonged cortisone therapy. Kaplan J, et al. Laval Med 41:292-4, Feb 70
Successful treatment of acute cardiac homograft rejection without antilymphocyte globulin. Kauffman HM Jr, et al. Laval Med 41:260-1, Feb 70
Electrocardiographic and vectocardiographic signs of rejection. Lacassagne JP, et al. Laval Med 41:276-80, Feb 70
The use of ALG in 56 cases of heart transplantation. Lamoureux G. Laval Med 41:239-42, Feb 70
Pathogenesis of heart rejection phenomenon. Lamoureux G. Laval Med 41:587-92, Apr 70
The role of soluble transplantation antigens in the induction of organ transplant tolerance. Leskowitz S. Laval Med 41:Suppl:740-3, May 70
Clinical experience in cardiac transplantation. Lower RR, et al. Laval Med 41:134-8, Feb 70
Acute cardiac allograft rejection--morphological findings. Milam JD, et al. Laval Med 41:Suppl:708-12, May 70
Clinical and hemodynamic changes during rejection of the transplanted human heart. Nihill MR, et al. Laval Med 41:266-75, Feb 70
Is a second cardiac transplant possible? Nora JJ, et al. Laval Med 41:Suppl:747-50, May 70
Toxicity of azathioprine. Pierce JC, et al. Laval Med 41:295-303, Feb 70
Clinical recognition of rejection of the transplanted heart. Schrire V. Laval Med 41:281-4, Feb 70
The clinical course of patients who have survived heart transplantation. Schrire V, et al. Laval Med 41:564-70, Apr 70
Antilymphocyte serum and procarbazine compared as immunosuppressants in mice, rats and rabbits. Stewart PB, et al. Laval Med 41:599-606, Apr 70
Experience with cardiac transplantation in fourteen patients. Stinson EB, et al. Laval Med 41:125-9, Feb 70
Experience on three cases of human heart transplantation. Zerbini EJ, et al. Laval Med 41:149-54, Feb 70
Fresh approaches to transplantation. Lond Clin Med J 12:5-7, Jan 71
Renal transplantation. Certain immunological considerations. Jonasson O. Med Clin North Am 55:193-204, Jan 71 (46 ref.)
Renal transplantation, ruptured renal allograft and transplant lung. Ribush N, et al. Med J Aust 1:1285-9, 12 Jun 71
Tissue damage in transplantation imunity. Mowbray JF. Med Sci Law 10:255-8, Oct 70
What about renal transplantation? Klein WJ Jr. Med Times 98:65-74, Nov 70
Effect of normal tissue ribonucleic acid on a murine leukemic transplant. Colmerauer ME, et al. Medicina (B Aires) 30:447-50, Sep-Oct 70
Human renal allografts. The role of vascular injury in early graft failure. Busch GJ, et al. Medicine (Baltimore) 50:29-83, Jan 71 (81 ref.)
Immunosuppressive effects of soluble cell membrane fractions, donor blood and serum on renal allograft survival. Caine RY, et al. Minerva Chir 26:703-8, 15 Jul 71
Cardiac transplantation. Lower RR. Minerva Chir 26:739-41, 15 Jul 71
Allografts and specific unresponsiveness. Brent L. N Engl J Med 284:499-500, 4 Mar 71
Clinical use of rabbit antihuman lymphocyte globulin in cadaver-kidney transplantation. Mannick JA, et al. N Engl J Med 284:1100-15, 20 May 71
Prevention of rejection. Strelinger A. N Engl J Med 284:733, 1 Apr 71
Rat renal transplantation and its immunological study. Murai H. Nagoya J Med Sci 33:295-305, Mar 71
Transplantation antigens in rhesus monkeys. Balner H, et al. Nature (Lond) 232:121, 9 Jul 71
Neonatally induced allograft tolerance may be mediated by serum-borne factors. Hellström I, et al. Nature (Lond) 230:49-50, 5 Mar 71
Effect of cell surface antigen density on immunological enhancement. Linscott WD. Nature (Lond) 228:824-7, 28 Nov 70
Participation of theta-bearing cell in an in vitro assay of transplantation immunity. Lonai P, et al. Nature (Lond) 229:566-7, 19 Feb 71
Heterotransplantation of cultured cell lines in newborn hamsters treated with antilymphocyte serum. Wallace R, et al. Nature (Lond) 230:454-5, 16 Apr 71
Transplantation antigens in rhesus monkeys. Nature (Lond) 230:279, 2 Apr 71
Transfer of immunity to tumour isografts by the systemic administration of xenogeneic "immune" RNA. Deckers PJ, et al. Nature [New Biol] 231:181-3, 9 Jun 71
Subcutaneous tumours induced by Bryan strain chicken Rous sarcoma in thymectomized and ALS-treated hamsters. De Halleux F. Neoplasma 18:33-9, 1971
Resistance and susceptibility to tumours. VI. Reaction of labelled lymphoid cells transferred into the site of previously implanted carcinoma. Dvořák R, et al. Neoplasma 18:63-86, 1971
Resistance and susceptibility to tumours. V. On the permeation of the 3H thymidine labelled cells from lymphatic organs into the site of proliferating tumour. Dvořák R, et al. Neoplasma 18:41-62, 1971
Demonstration of the specific transplantation tumour antigen in carcinoma BO-IV in vivo. Rejthar A, et al. Neoplasma 18:27-31, 1971
Human renal allotransplants. Value of physical examination, biochemical, hematologic, and immunochemical testing. Murphy GP, et al. NY State J Med 71:956-60, 1 May 71
Factors influencing skin graft survival from donors with Ehrlich ascites tumor. Biran S, et al. Oncology 24:344-8, 1970
F1 hybrid animals: reactivity against recognition structures of parental strain lymphoid cells. Ramseier H, et al. Pathol Microbiol (Basel) 34:379-87, 1969
Kidney transplantation in children. LaPlante MP, et al. Pediatrics 46:665-77, Nov 70
Prolonged renal allograft survival in the rat across a major genetic barrier, without the use of drugs. Daniller AI. Plast Reconstr Surg 47:168-75, Feb 71
Organ transplantation (skin, kidney, heart) and the plastic surgeon. Murray JE. Plast Reconstr Surg 47:425-31, May 71
Differences in the delay phenomenon in the rabbit, rat, and pig. Myers MB, et al. Plast Reconstr Surg 47:73-8, Jan 71
Preliminary studies on antithymocyte globulin. Oriowski T, et al. Pol Med J 10:400-7, 1971
Rejection of renal allografts in man. Oriowski T, et al. Pol Med J 10:371-86, 1971
The effect of a long-term administration of horse anti-dog lymphocyte globulin to healthy dogs. Rowiński W, et al. Pol Med J 10:431-8, 1971
Experimental transplantation of the spleen. Skotkiewicz M. Pol Med J 10:443-50, 1971
Experimental kidney transplantation. Skotkiewicz M, et al. Pol Med J 10:455-8, 1971
Presensitization and kidney transplant failures. Terasaki PI, et al. Postgrad Med J 47:89-100, Feb 71
The problem of rejection. Mowbray JF. Practitioner 205:181-6, Aug 70
Cells involved in cell-mediated and transplantation immunity. II. A consideration of the functional identity of the cells involved in both humoral and cell-mediated immunity: a phylogenetic approach. Richter M. Proc Natl Acad Sci USA 68:1127-35, Aug 70 (76 ref.)
Prolonged survival of glutaraldehyde-treated skin homografts. Schechter I. Proc Natl Acad Sci USA 68:1590-3, Jul 71
Quantitative in vitro measurement of simian virus 40 tumor-specific antigens. Wright PW, et al. Proc Natl Acad Sci USA 68:973-6, May 71
The transplantation immunology of certain mammalian mothers and progeny. Anderson JM. Proc R Soc Lond [Biol] 176:115-29, 3 Nov 70
Immunological studies of osteoarticular allografts. Elves MW. Proc R Soc Med 64:844, Jun 71
Bone marrow restoration of transplantation immunity in the leopard frog Rana pipiens. Cooper EL, et al. Proc Soc Exp Biol Med 135:406-11, Nov 70
Retention of human properties by a xenografted human colonic tumor, GW-77, propagated in unconditioned hamsters. Goldenberg DM, et al. Proc Soc Exp Biol Med 135:657-9, Dec 70
Migratory inhibition of sensitized peritoneal macrophages by tumor-specific transplantation antigen in Morris hepatoma 5123. Kyriazis AP, et al. Proc Soc Exp Biol Med 136:75-9, Jan 71
Immune competence of germ-free rats. I. Increased responsiveness to transplantation and other antigens. Mc Donald JC, et al. Proc Soc Exp Biol Med 136:987-93, Mar 71
Variations in rabbit antimouse lymphocyte sera due to strain differences and "nonthymic" lymphocytes. Miller J, et al. Proc Soc Exp Biol Med 137:248-54, May 71
Human transplantation antigens: isolation and radioimmunoassay. Miyakawa Y, et al. Proc Soc Exp Biol Med 136:899-902, Mar 71
Autologous bone marrow transplantation in irradiated baboons. Chertkov JL, et al. Radiat Res 46:129-43, Apr 71
Allogeneic bone marrow transplantation in irradiated baboons and monkeys. Chertkov JL, et al. Radiat Res 46:144-64, Apr 71
Serological investigations in patients with cadaver allografts. Ackermann JR, et al. Rev Eur Etud Clin Biol 16:243-5, Mar 71
The rejection crises in human renal transplantation. Bach JF, et al. Rev Eur Etud Clin Biol 15:1048-65, Dec 70
Immunosuppression and neoplasia. Balner H. Rev Eur Etud Clin Biol 15:599-604, Jun-Jul 70 (39 ref.)
Conditioning of allogeneic skin grafts recipients with crude and water soluble H-2 antigens derived from BP-8 murine tumor cell membranes. Halle-Pannenko O, et al. Rev Eur Etud Clin Biol 15:891-5, Oct 70
Prolongation of skin graft survival in mice by pretreatment with H-2 antigen and cyclophosphamide. Halle-Pannenko O, et al. Rev Eur Etud Clin Biol 15:1090-3, Dec 70
Incorporation of 14C- and 3H-thymidine in lymphocytes after extracorporeal irradiation of the blood. Rosengren B, et al. Rev Eur Etud Clin Biol 15:778-82, Aug-Sep 70
Energy metabolism in the failing canine heart allograft. Marinescu V, et al. Rev Roum Physiol 7:273-9, 1970
Tolerance to allogeneous grafts induced by viral antigens. Păunescu E, et al. Rev Roum Physiol 7:259-66, 1970
Immunofluorescent studies in cardiac rejection. Ellis RJ, et al. Rev Surg 27:376-7, Sep-Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The role of circulating lymphocytes and lymphoid tissues in graft-versus-host reactions. Mandel MA. Rev Surg 27:453, Nov-Dec 70

Effect of graft removal and immunosuppression on antibody response to murine histocompatibility antigens. Sparks FC, et al. Rev Surg 27:374, Sep-Oct 70

Selection of lungs for transplantation. Development of methods of rapid production of specific immunologic tolerance is suggested. Blumenstock DA. RI Med J 53:496-8 passim, Sep 70

Hyperacute renal rejection in goats. Jansen CR, et al. S Afr Med J 44:1184-6, 17 Oct 70

Effects of antilymphocyte serum on hyperacute renal rejection in goats. Jooste SV. S Afr Med J 45:439-40, 17 Apr 71

Apparent success in avoiding hyperacute rejection in a renal allograft. Ahlmén J, et al. Scand J Urol Nephrol 4:149-51, 1970

Hyperacute rejection of a kidney allograft. Bergentz SE, et al. Scand J Urol Nephrol 4:143-8, 1970

Renal allograft rejection in man. A study of 35 transplantations from living donors. Pasternack A, et al. Scand J Urol Nephrol 4:238-43, 1970

Lymph node cells: their differential capacity to induce tolerance of heart and skin homografts in rats. Barker CF, et al. Science 172:1050-2, 4 Jun 71

Tumor immunity produced by the intradermal inoculation of living tumor cells and living Mycobacterium bovis (strain BCG). Zbar B, et al. Science 170:1217-8, 11 Dec 70

Immunosuppressive methods and antilymphocytic serum. Pichlmayr R. Stud Gen (Berl) 23:344-52, 1970

Role of passenger leukocytes in the rejection of renal allografts. Bastien E, et al. Surg Forum 21:256-8, 1970

Clinical evaluation of the immunogenicity of horse and rabbit antihuman lymphocyte globulin in renal transplantation. Cerilli GJ, et al. Surg Forum 21:250-2, 1970

Enhancement of allograft survival by prior exposure to a heterologons antigen system. Gunnarsson A, et al. Surg Forum 21:259-60, 1970

Metabolic, physiologic and immunologic studies of rejecting dog cardiac allografts. Hattler BG Jr, et al. Surg Forum 21:190-2, 1970

Delay of the heterograft reaction by selective plasmapharesis. Merkel FK, et al. Surg Forum 21:261-3, 1970

The effect of immunosuppressive agents and matching on pulmonary allografts. Motiagh FA, et al. Surg Forum 21:196-8, 1970

Ribonucleic acid mediated immune cytolysis to transplantation antigens in vitro. Ramming KP, et al. Surg Forum 21:267-9, 1970

Role of the platelet in the obliterative vascular transplant rejection phenomenon. Rattazzi L, et al. Surg Forum 21:241-3, 1970

Prolongation of heterograft survival by electrophoretic extraction of preformed antibody. Shons AR, et al. Surg Forum 21:263-5, 1970

Host sensitization by alymphatic skin allografts in the rat. Tilney NL, et al. Surg Forum 21:512-4, 1970

Possible production of immunosuppression in the host by exposure to microorganisms: observations in germfree rats. Zimmerman G, et al. Surg Forum 21:236-8, 1970

Transplantation. Mannick JA. Surg Gynecol Obstet 132:239-41, Feb 71

A theory of the role of histamine metabolism in transplant rejection. Moore TC. Surg Gynecol Obstet 132:489-91, Mar 71

An assessment of immunosuppressive agents in experimental peripheral nerve transplantation. Pollard JD, et al. Surg Gynecol Obstet 132:839-45, May 71

Transplantation of the primate uterus. Scott JR, et al. Surg Gynecol Obstet 133:414-8, Sep 71

Accelerated renal allograft rejection following blood transfusion. Bradley KP, et al. Surgery 69:805-9, May 71

Prolongation of allograft survival by specific antibody-to-lymphocyte-activating substances. Falk RE, et al. Surgery 70:123-7, Jul 71

Delayed cutaneous hypersensitivity to dinitrochlorobenzene as a method of quantitating immunosuppressive therapy for organ transplantation. Joseph WL, et al. Surgery 69:847-53, Jun 71

Modification of hyperacute canine renal homograft and pig-to-dog heterograft rejection by the intra-arterial infusion of citrate. Kux M, et al. Surgery 70:103-12, Jul 71

The central lymphoid tissues of rabbits. II. Functional and morphologic studies in adult animals. McKneally MF, et al. Surgery 69:345-53, Mar 71

The central lymphoid tissues of rabbits. I. Functional studies in newborn animals. McKneally MF, et al. Surgery 69:166-74, Feb 71

Local graft-versus-host reaction in rats as a clinical assay of immunosuppression. Merino GE, et al. Surgery 69:904-9, Jun 71

Alterations in transplanted viable sheep aortic valves in dogs: follow-up studies to 23 months. Mohri H, et al. Surgery 69:762-71, May 71

Enhancement of rat renal allografts with F(ab')2 fragment of donor-specific antikidney serum. Shaipanich T, et al. Surgery 70:113-21, Jul 71

Renal allograft rejection simulated by arterial stenosis. Simmons RL, et al. Surgery 68:800-4, Nov 70

Delayed rejection of renal allografts in the rat and dog by reduction of passenger leukocytes. Stuart FP, et al. Surgery 70:128-34, Jul 71

Effect of donor bone marrow transplantation on canine renal allotransplants. Yamamoto M. Tohoku J Exp Med 101:325-31, Aug 70

Prolongation of canine renal allograft survival in combined therapy with rabbit-anti-dog antilymphocytic serum, azathioprine and the allotransplantation of the donor's bone marrow. Yamamoto M. Tohoku J Exp Med 101:333-8, Aug 70

Autologous antibodies. Nichols ME, et al. Transfusion 11:66, Jan-Feb 71

The effect of repeated "therapeutic" courses of antilymphocytic globulin administration on skin allograft survival time in rats. Andeson NF, et al. Transplantation 12:54-6, Jul 71

Successful use of chondroitin-4-sulfate in prolonging survival of skin allografts of adult mice. Ashby MW, et al. Transplantation 11:107-8, Jan 71

A gene governing the female immune response to the male antigen in mice. Bailey DW, et al. Transplantation 11:404-7, Apr 71

Liver-induced immunosuppression of allograft immunity in urodele amphibians. Baldwin WM 3d, et al. Transplantation 10:530-7, Dec 70

ALG treatment of Rhesus monkeys. Attempts to reduce complications by the induction of tolerance. Balner H, et al. Transplantation 10:416-24, Nov 70

Effects of immunosuppressive treatment on rejection of heart allografts in rats. Bekkum DW van, et al. Transplantation 8:678-88, Nov 69

Prolongation of skin allograft survival in C57BL and C3H mice by L-asparaginase treatment. Bertelli A, et al. Transplantation 11:106-7, Jan 71

GVH analysis of organ-grafted rats which defy the normal rules for rejection. Bilsoe P, et al. Transplantation 12:189-93, Sep 71

Thermography in detection of human renal transplant rejection. Birsner JW, et al. Transplantation 11:424-6, Apr 71

Mechanisms of tumor-specific enhancement versus resistance toward a methylcholanthrene-induced murine sarcoma. Bloom ET, et al. Transplantation 10:321-33, Oct 70

Reactions to skin allografts in the horn shark, Heterodontis francisci. Borysenko M, et al. Transplantation 10:545-51, Dec 70

Induction of cytotoxicity of lymphocytes from tolerant donors by antibodies to target cell alloantigens. Bubeník J, et al. Transplantation 10:290-6, Oct 70

Quantitative assessment of cellular and humoral responses to skin and tumor allografts. Canty TG, et al. Transplantation 11:111-6, Feb 71

Kidney transplantation and fibrinolytic split products in serum and urine. Carlsson S, et al. Transplantation 10:366-71, Nov 70

Survival times of skin xenografts in mice under chronic treatment with antithymocyte serum in different dosage-timing schedules. Chen CM, et al. Transplantation 12:157-60, Sep 71

The mechanism of immunological enhancement of H-2-incompatible skin grafts in mice. Chutná J. Transplantation 12:28-35, Jul 71

The influence of the hair follicle phase on the survival time of skin allografts in the mouse. Claesson MH, et al. Transplantation 10:349-51, Oct 70

Passive immunological enhancement of skin allografts in rats. Cohen I, et al. Transplantation 11:135-7, Feb 71

A serological method for detecting the surface antigens of epidermal cells. Cooper S, et al. Transplantation 11:108-10, Jan 71

Active inhibition of the allograft response in H-2-incompatible mice. Corson JM. Transplantation 10:484-90, Dec 70

Studies of the specificity and the mechanism of active inhibition of the sensitized allograft response in mice. Corson JM. Transplantation 10:491-8, Dec 70

Effect of immunosuppression on the development of xenogenic trophoblast under the kidney capsule. Dehem A, et al. Transplantation 11:578-80, Jun 71

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Studies on DNA transfer from donor to host tissues in mice. Devlin RG Jr, et al. Transplantation 12:223-4, Sep 71

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In vitro sensitization to transplantation antigens. I. Sensitization of lymphoid cells by allogeneic macrophages. Dyminski JW, et al. Transplantation 11:514-20, Jun 71

Application of the leucocyte migration test to the diagnosis of rejection after liver transplantation. Eddleston AL, et al. Transplantation 12:11-7, Jul 71

Studies of the macrophage-inhibition test. 3. Use of the macrophage migration-inhibition technique in detection of active graft immunity. Ferraresi RW, et al. Transplantation 10:237-46, Sep 70

The capacity of lymphocytes from rats bearing enhanced kidney allografts to mount graft-versus-host reactions. French ME, et al. Transplantation 12:45-8, Jul 71

Osteogenic precursor cells of bone marrow in radiation chimeras. Friedenstein A, et al. Transplantation 12:99-106, Aug 71

Methylprednisolone therapy and allograft rejection. Comparison of daily and alternate day administration. Friedman EA. Transplantation 10:552-5, Dec 70

Cellular immunity of mice to skin allografts assessed by direct and indirect macrophage inhibition reactions in vitro. Friedman H. Transplantation 11:288-94, Mar 71

Acute rejection of allogeneic transplanted kidneys following nephrectomy of autogeneic pyelonephritic kidneys. Fritz H, et al. Transplantation 11:502-4, May 71

Prognosis of renal allotransplants in patients with bilateral renal cortical necrosis. Gelfand MC, et al. Transplantation 10:442-3, Nov 70

Kinetic studies of macrophages. Homograft response. Gillette RW, et al. Transplantation 11:94-6, Jan 71

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Macrophage aggregation in vitro. A model for transplantation immunity. Gotoff SP, et al. Transplantation 10:433-5, Nov 70

Soluble RNA-treated autogenic lymphocytes. Effect on canine renal allografts. Hamby WM, et al. Transplantation 11:575-6, Jun 71

Immunosuppression across weak histocompatability barriers. I. 6-mercaptopurine in inbred rabbits: graft survival and toxicity. Harrison HN, et al. Transplantation 10:358-66, Oct 70

Early detection and classification of renal transplant rejection by B-K scan ratio and blood isotope clearance data. Hayes M, et al. Transplantation 12:139-41, Aug 71

Cardiac allograft rejection during and following pregnancy in the inbred rat. Heron I. Transplantation 12:144-6, Aug 71

The distribution of 51Cr-labeled syngeneic and allogeneic lymph node cells in the rat. Heslop BF, et al. Transplantation 11:128-34, Feb 71

Spontaneous deceleration of skin allograft rejection in the rat. Heslop BF. Transplantation 11:497-9, May 71

The significance of the intercellular matrix in the survival of cartilage allografts. Heyner S. Transplantation 8:666-77, Nov 69

The role of mucopolysaccharide in the anomalous survival of infant skin allografts in hamsters. Heyner S. Transplantation 10:278-80, Sep 70

An apparent histoincompatibility between mice chronically infected with lymphocytic choriomeningitis virus and their uninfected syngeneic counterparts. Holtermann OA, et al. Transplantation 11:20-9, Jan 71

The enhancement and rejection of tumor allografts by immune lymph node cells. Irvin GL 3d, et al. Transplantation 10:555-7, Dec 70

The effect of prior administration of donor strain blood or blood constituents on the survival of cardiac allografts in rats. Jenkins AM, et al. Transplantation 12:57-60, Jul 71

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Cardiac transplantation in mice. II. Effect of continuous immunosuppressive therapy on the survival of H-2-incompatible allografts. Judd KP, et al. Transplantation 11:303-8, Mar 71

Combination autoradiography and membrane fluorescence in studying cell cycle transplantation antigen relationships. Karb K, et al. Transplantation 11:569-73, Jun 71

Effects of adrenalectomy and antigenic stimulation on spleen weight in mice. Kieffer JD, et al. Transplantation 11:45-9, Jan 71

[Induction of skin-sensitizing antibody to horse gamma-globulin by a horse antimouse thymocyte serum. Kind LS, et al. Transplantation 11:489-91, May 71

Biological properties of transplantation immune sera. II. PCA in mice with H-2 antigens. Kinsky R, et al. Transplantation 12:171-5, Sep 71

Studies on cortical necrosis in rabbit renal homografts. Klassen J, et al. Transplantation 11:35-44, Jan 71

The role of humoral antibodies in the rejection of renal homografts by rabbits. Klassen J, et al. Transplantation 8:566-75, Nov 69

Prolongation of rabbit skin allograft survival following treatment of the skin with electrophoresis prior to transplantation. Klaue P, et al. Transplantation 11:20-4, Jan 71

The effect of immunity on the vascularization of skin allografts. Lambert PB. Transplantation 10:463-71, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Enormous organ-like growth of transplants of fetal digestive tract. Leitina BI, et al. Transplantation 11:499-502, May 71
Renal transplantation in the inbred rat. VII. Ultrastructure of the glomerulus during acute renal allograft rejection. Lindquist RR, et al. Transplantation 11:1-9, Jan 71
Renal transplantation in the inbred rat. VI. Electron microscopic study of the mononuclear cells accumulating in rejecting renal allografts. Lindquist RR, et al. Transplantation 12:1-10, Jul 71
Cooperation of lymphoid cells in an in vitro graft reaction system. The role of the thymus cell. Lonai P, et al. Transplantation 10:372-81, Nov 70
Cooperation of lymphoid cells in an in vitro graft reaction system. II. The "bone marrow-derived" cell. Lonai P, et al. Transplantation 11:446-56, May 71
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Early renal transplant failure associated with subliminal sensitization. Lucas ZJ, et al. Transplantation 10:522-9, Dec 70
Immunochemical analysis of corneal antigens in xenogenic keratoplasty. Luzzio AJ, et al. Transplantation 11:383-9, Apr 71
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Inhibition of rosette formation by spleen cells from grafted mice treated with anti-lymphocyte serum. Mosedale B, et al. Transplantation 10:347-9, Oct 70
The effect of estriol succinated on the rejection of kidney transplants. Müller-Beissenhirtz P, et al. Transplantation 11:102-3, Jan 71
Eighth report of the Human Kidney Transplant Registry. Murray JE, et al. Transplantation 11:328-37, Mar 71
Kidney transplantation in the fetal lamb. Technique and histopathology of rejection. Niederhuber JE, et al. Transplantation 12:161-6, Sep 71
Some aspects of immunological tolerance investigateed by parent to F1 hybrid parabiosis in mice. Nisbet NW. Transplantation 11:318-24, Mar 71
Simultaneous decrease of tumor-specific antigenicity and "hybrid effect" in a murine methylcholanthrene-induced sarcoma. Oth D, et al. Transplantation 8:742-5, Nov 69
Peripheral blood leucocyte changes during human renal allograft rejection. Parker JR, et al. Transplantation 11:201-9, Mar 71
Cadaveric kidney transplantation in a patient with donor-specific antileukocyte cytotoxic antibodies. Report of a case. Patel R, et al. Transplantation 12:88-91, Jul 71
Solubilization of fetal HL-A antigens. A preliminary report. Pellegrino MA, et al. Transplantation 10:425-30, Nov 70
Mechanism for prolonged survival of pig renal allografts. Perper RJ, et al. Transplantation 11:505-13, Jun 71
Ultrasonic studies for the early detection of acute cardiac rejection. Popp RL, et al. Transplantation 11:543-50, Jun 71
Immunological tolerance and rejection of skin allografts in hhe marmoset. Porter RP, et al. Transplantation 8:653-65, Nov 69
The role of macrophages in skin allograft rejection. I. Histochemical studies during first-set rejection. Poulter LW, et al. Transplantation 12:40-4, Jul 71
Alpha-2-globulins in renal graft rejection. Effects of in vitro lymphocyte function. Riggio RR, et al. Transplantation 8:689-94, Nov 69
Mechanisms of immunological injury during antibody-mediated hyperacute rejection of renal heterografts. Rosenberg JC, et al. Transplantation 11:151-7, Feb 71
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Recognition of foreignness in invertebrates. Transplantation studies using the American cockroach (Periplaneta americana). Scott MT. Transplantation 11:78-86, Jan 71
Route of administration of antilymphocyte serum to mice. Shorter RG, et al. Transplantation 10:435-6, Nov 70
Studies on the apparent serial passage of transplantation immunity in tolerant mice. Silvers WK. Transplantation 10:533-44, Dec 70
Histocompatibility genes of mice. XI. Evidence establishing a new histocompatibility locus, H-12, and new H-2 allele, H-2bc. Snell GD, et al. Transplantation 11:525-30, Jun 71
Bound immunoglobulin and complement in heart allografts undergoing rej ection. Stastny P. Transplantation 10:248-57, Sep 70
Prolonged survival of rat heart and kidney allografts irradiated in vitro. Steinmuller D, et al. Transplantation 12:153-6, Aug 71
The effect of H-2 on the humoral antibody response to a non-H-2 blood group antigen. Stimpfling JH, et al. Transplantation 11:87-9, Jan 71
Studies on immune lymphocyte transfer reactions in murine homologous cell chimeras. Streilein JW, et al. Transplantation 10:403-10, Nov 70
The correlation of mixed leukocyte culture responses with kidney allograft survival. Sullivan CE, et al. Transplantation 11:190-1, Feb 71
Kinetics of the response of different classes of antibodies to skin allografts in mice. Ting CC, et al. Transplantation 11:390-5, Apr 71
Effects of rejection on the granulation of juxtaglomerular cells in canine renal allografts. Varkarakis MJ, et al. Transplantation 12:176-82, Sep 71
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The identification and comparison of transplantation antigens on canine vascular endothelium and lymphocytes. Vetto RM, et al. Transplantation 11:374-7, Apr 71
Biological properties of antibody classes in transplantation immune sera. Voisin GA, et al. Transplantation 8:618-32, Nov 69
Specificity of cytotoxic antibodies. Assay for anti-I, anti-P + P1, and heterophile antibody activity. Vyvial TM, et al. Transplantation 10:559-60, Dec 70
Tolerance induction in adult mice with tumor homografts. Wachtel SS, et al. Transplantation 12:61-4, Jul 71
ALS type of activity in sera harvested from xenogeneic anterior chamber implant recipients. White C, et al. Transplantation 12:151-3, Aug 71
Chronic kidney allograft reactions in rats. White E, et al. Transplantation 8:602-17, Nov 69
Graft-versus-host activity of rat bone marrow, marrow fractions, and lymphoid tissues quantitated by a popliteal lymph node weight assay. Yoshida Y, et al. Transplantation 12:121-9, Aug 71
Vascular changes in the pancreaticoduodenal allograft. Mori S, et al. Vasc Surg 2:61-77, Jun 68
The genetics of the HL-A system and its implications in transplantation. Dausset J. Vox Sang 20:97-108, Feb 71
Serum enzymes during cardiac allograft rejection. Bachmann O, et al. Z Gesamte Exp Med 153:162-8, 1970
Immunologic enhancement induced by antibody fragments. Cruse JM, et al. Z Immunitaetsforsch Allerg Klin Immunol 140:259-67, 1970
Influence of acetylation on biological effects of histones. Gillissen G. Z Immunitaetsforsch Allerg Klin Immunol 141:232-42, 1971
The influence of castration and oestradiol treatment on tumor transplantation immunity in mice. Peter HH, et al. Z Krebsforsch 74:207-18, 1970
[Development of immunosuppression in kidney allotransplantations] Kočandrle V, et al. Rozhl Chir 49:529-34, Oct 70 (Cze)
[Kveim reactions with a suspension of cow's spleen; similarity to reactions in tissue transplants (homograft reactions)] Kooij R. Ned Tijdschr Geneeskd 114:1800-1, 24 Oct 70 (Dut)
[Continuous study of anti-HL-A antibodies before and after kidney homotransplantation] Bouilleanne C, et al. Acta Chir Belg 69:552-60, 1970 (Fre)
[Radiologic and microscopic comparative study of the reaction of homologous pulmonary transplant rejection in untreated dogs] Grosjean O, et al. Acta Chir Belg 68:577-85, Nov 69 (Fre)
[Immunologic bases of organ transplantation] Hamburger J. Acta Chir Belg 69:379-99, 1970 (Fre)
[Antilymphocyte serum: experimental bases and clinical utilization] Sokal G. Acta Chir Belg 69:522-8, 1970 (Fre)
[Clinical experience with antilymphocyte serum] Traeger J, et al. Acta Chir Belg 69:529-42, 1970 (Fre)
[Problems related to homotransplantation of the larynx] Kluyskens P, et al. Acta Otorhinolaryngol Belg 24:174-80, 1970 (Fre)
[Skin autograft crossing in lupus erythematosus] Cormane RH, et al. Arch Belg Dermatol Syphiligr 25:231-40, Apr-Jun 69 (Fre)
[Immunosuppressive treatment for heterologous cardiac transplantation. Its possible efficacy in a rejection crisis] Dormont J, et al. Arch Mal Coeur 62:759-66, Jun 69 (Fre)
[3 cases of allogenic heart graft in man] Dubost C, et al. Arch Mal Coeur 62:747-58, Jun 69 (Fre)
[Causes of failure in cardiac transplantation] Raynaud R. Arch Mal Coeur 62:848-9, Jun 69 (Fre)
[Medical aspects of renal transplantation] Aparicio M, et al. Bord Med 3:2277-8 passim, Oct 70 (Fre)
[Tissular compatibility and immuno-biological surveillance relative to organ transplantations] Moulinier J, et al. Bord Med 3:2291-2 passim, Oct 70 (Fre)
[A turning-point in the history of grafts] Hamburger J. Bull Acad Nati Med (Paris) 154:606-9, 6 Oct 70 (Fre)
[Early replacement of grafts in keratoplasty failures] Paufique L, et al. Bull Mem Soc Fr Ophtalmol 81:238-49, 1968 (Fre)
[Organization and activity of Swiss laboratories with reference to histocompatibility] Jeannet M. Bull Schweiz Akad Med Wiss 26:107-15, Jun 70 (Fre)
[Tolerance of cutaneous allografts in Xenopus laevis. Influence of the size and age of the graft] Bernardini N, et al. C R Acad Sci [D] (Paris) 270:2351-4, 11 May 70 (Fre)
[Durable protective action of thymocyte anti-membrane hetero-antibodies on skin grafts in the rat] Grabar P, et al. C R Acad Sci [D] (Paris) 271:1914-5, 23 Nov 70 (Fre)
[Preliminary note on the apparently better tolerance of renal allografts by recipients bearing the histocompatibility HL-A 1 antigen] Hamburger J, et al. C R Acad Sci [D] (Paris) 272:2029-31, 14 Apr 71 (Fre)
[Influence on the survival of cutaneous allografts in rabbits of the digestive group antigen related to human substance A] Zweibaum A, et al. C R Acad Sci [D] (Paris) 272:2273-6, 26 Apr 71 (Fre)
[Research on the immunosuppressive properties of antiglobulin serum] Grosjean O, et al. C R Soc Biol (Paris) 164:1414-7, 1970 (Fre)
[Evolution of skin hemografts in the larva of Pleurodeles waltii Michah] Orfila C, et al. C R Soc Biol (Paris) 164:1124-8, 1970 (Fre)
[Transplant pathology] Ringoir S. Chir Patol Sper 17:80-91, Feb 69 (Fre)
[Modern research concerning the so-called activated splenic pulp in the course of homologous kidney transplantation in animals] Nosny P, et al. Chirurgie 96:88-91, 1970 (Fre)
[Phenomenon of rejection and disseminated intravascular coagulation: a case of human heart transplantation] Baille Y, et al. Laval Med 41:Suppl:700-5, May 70 (Fre)
[Advantages of highly purified antilymphocyte globulin] Carraz M. Laval Med 41:243-7, Feb 70 (Fre)
[Cardiac homotransplantation: analysis of rejection phenomena] Guilmet D, et al. Laval Med 41:Suppl:683-99, May 70 (Fre)
[Experiments with pulmonary grafts in dogs. I. Study of consequences of bilateral section-suture of main trunks with bronchial devascularization and denervation. II. Homotransplantation: histologic study of reject reaction] Ribet M, et al. Lille Med 14:1133-42, Dec 69 (Fre)
[Clinical, biological and histological trials of antilymphocytic globulin activity in renal transplantation] Traeger J, et al. Lyon Med 224:347-53, 18 Oct 70 (Fre)
[Use of heterologous serum and antilymphocyte globulin after cardiac allografts in dogs] Cachera JP, et al. Mem Acad Chir (Paris) 94:366-74, 1968 (Fre)
[Methods governing the choice of the donor in organ transplantations] Betuel H. Minerva Chir 26:693-702, 15 Jul 71 (Fre)
[Immunosuppression and pulmonary transplantation] Derom F. Minerva Chir 26:735-8, 15 Jul 71 (Fre)
[Renal allotransplantation in man. Methods of conditioning and analysis of the complications in 72 cases, of which 51 received antilymphocyte globulins] Kuss R, et al. Minerva Chir 26:721-34, 15 Jul 71 (Fre)
[Radiobiology of lymphocytes: value of extracorporeal irridiation in experimental radiopathology] Pompidou A, et al. Pathol Biol (Paris) 19:511-22, May 71 (173 ref.) (Fre)
[The lymphocytotoxins] Verroust P. Presse Med 79:1485, 3 Jul 71 (Fre)
[Genetics of the HL-A system and its applications in transplantation] Dausset J. Rev Fr Transfus 14:83-95, Mar 71 (Fre)
[Transplantation immunology] Castermans A, et al. Rev Med Liege 25:Suppl 1:115-8, Dec 70 (Fre)
[Immunosuppressive effect of normal serum on transplantation antigens] Elie R, et al. Union Med Can 100:144-7, Jan 71 (Fre)
[Immunosuppressive measures and therapy; their advantages and disadvantages] Lamoureux G, et al. Union Med Can 100:125-35, Jan 71 (Fre)
["In vitro" perfusion of xenogeneic kidneys] Marcesa PJ, et al. Union Med Can 100:750-4, Apr 71 (Fre)
[Metro-Transplantation: importance and organization of regional centers for organ transplantation] Perey YE, et al. Union Med Can 100:142-3, Jan 71 (Fre)
[Histocompatibility: theoretical basis and practical value] Potworowski EF. Union Med Can 100:113-6, Jan 71 (Fre)
[Immunologic considerations in kidney transplantation] Pretty HM. Union Med Can 100:117-24, Jan 71 (Fre)
[Canadian project of antilymphocytic globulin experimentation in kidney transplantation] Taylor HE. Union Med Can 100:138-41, Jan 71 (Fre)
[Transplantation immunology] Hopf U, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:57-64, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Application of immunologic reactions following cartilage and bone transplantation in experimental research and in clinical practice] Beck O, et al. Beitr Orthop Traumatol 17:100-8, Feb 70 (Ger)
[Immunological reactions in corneal transplantation. Histological aspects] Babel J. Ber Dtsch Ophthalmol Ges 70:132-40, 1970 (Ger)
[Preventive and therapeutic possibilities of immunosuppression in keratoplasty] Hallermann, et al. Ber Dtsch Ophthalmol Ges 70:215-20, 1970 (Ger)
[Importance of antibodies in keratoplasty] Meyer HJ. Ber Dtsch Ophthalmol Ges 70:119-32, 1970 (Ger)
[Experimental keratoplasty with immunobiologically inactive material] Siebeck R, et al. Ber Dtsch Ophthalmol Ges 70:45-8, 1970 (Ger)
[Function of cellular and humoral immunity mechanisms in transplantations] Sonntag HG, et al. Ber Dtsch Ophthalmol Ges 70:114-9, 1970 (Ger)
[Radioautographic studies on the action of lymphocytes in peripheral blood following xenogenous skin transplantation in rats] Walb D, et al. Blut 23:84-91, Aug 71 (Ger)
[Immunologic status in transplantation receivers and immunologic studies in the recognition of organ rejection reactions] Grob P. Bull Schweiz Akad Med Wiss 26:81-90, Jun 70 (Ger)
[Clinical use of leukocyte typing in kidney transplantation and practical conclusions for an inter-county coordination] Largiadèr F. Bull Schweiz Akad Med Wiss 26:116-24, Jun 70 (Ger)
[Principle and technic of cellular histocompatibility testing] Ramseier H. Bull Schweiz Akad Med Wiss 26:91-100, Jun 70 (Ger)
[Possibilities and limits of xenogenic organ transplantations] Land W. Chirurg 42:172-8, Apr 71 (Ger)
[Method and indication value of histocompatibility testing] Rippich T, et al. Dtsch Med J 22:192-6, 14 Apr 71 (Ger)
[Xenogenic heart transplantation in closely related species fox-dog] Hagi S, et al. Dtsch Med Wochenschr 96:216-7, 29 Jan 71 (Ger)
[Fundamentals of transplantation immunology] Müller-Ruchholtz W. Dtsch Med Wochenschr 96:347-53, 19 Feb 71 (Ger)
[Virus infections during immunosuppressive therapy following organ transplantation] Munk K, et al. Dtsch Med Wochenschr 95:2252-4, 30 Oct 70 (Ger)
[The current state of the search for tumor-specific transplantation antigens in human leukemias] Zintl F, et al. Folia Haematol (Leipz) 95:1-20, 1971 (124 ref.) (Ger)
[Sequential scintigraphy and angiography in the diagnosis of rejection crises in experimental kidney transplantations] Müller-Beissenhirtz P, et al. Fortschr Geb Roentgenstr Nuklearmed 113:148-57, Aug 70 (Ger)
[Clinical importance of leukocyte groups in kidney transplantation] Freudenberg J. Internist (Berlin) 12:97-100, Mar 71 (Ger)
[Practical significance of incompatibility reactoon in keratoplasty] Meyer HJ. Klin Monatsbl Augenheilkd 158:299, Feb 71 (Ger)
[Greffon's disease] Müller H. Klin Monatsbl Augenheilkd 158:302-3, Feb 71 (Ger)
[Immunologic behavior of an artificial cornea] Zechner E, et al. Klin Monatsbl Augenheilkd 158:390-5, Mar 71 (Ger)
[Morphologic findings in heart transplantation] Knieriem HJ, et al. Klin Wochenschr 49:837-52, 1 Aug 71 (123 ref.) (Ger)
[Experimental xenografting in widely divergent species] Land W, et al. Klin Wochenschr 49:164-6, Feb 71 (Ger)
[Immunological aspects of organ transplantation] Woodruff MF. Langenbecks Arch Chir 322:61-9, 1968 (Ger)
[Serology of organ transplantation] Mayr WR. Med Lab (Stuttg) 23:145-53, Jul 70 (Ger)
[Immunocytoadherence as a quantitative method for testing the k' ..etics of immunosuppressive agents] Hermann G, et al. Munch Med Wochenschr 113:905, 4 Jun 71 (Ger)
[Kidney transplantation. Immunologic problems] Scheiffarth F. Munch Med Wochenschr 113:903-5, 4 Jun 71 (Ger)
[Histological studies on graft versus host reaction in the mouse after treating the donor animal with antilymphocyte serum] Bell E, et al. Verh Dtsch Ges Pathol 54:191-7, 1970 (Ger)
[A contribution to pathomorphology of acute, peracute and delayed rejection of renal transplants] Bohle A. Verh Dtsch Ges Pathol 54:136-45, 1970 (19 ref.) (Ger)
[Microbiological complications in kidney transplantation and chronic dialysis] Breitfellner G. Verh Dtsch Ges Pathol 54:156-9, 1970 (Ger)
[The immunepathology of the experimental allo- and xeno-transplantation] Grundmann E. Verh Dtsch Ges Pathol 54:65-94, 1970 (167 ref.) (Ger)
[Pathogenesis of lymphoreticular neoplasms in transplant recipients] Krüger G. Verh Dtsch Ges Pathol 54:175-81, 1970 (Ger)
[The HL-A system of transplantation antigens] Mayr WR. Verh Dtsch Ges Pathol 54:197-203, 1970 (Ger)
[Studies on the early stages of rejection after kidney transplantation in cats] Müller-Beissenhirtz P, et al. Verh Dtsch Ges Pathol 54:150-5, 1970 (Ger)
[Deposition of immunoglobulin and complement fixation in kidney allografts: preglomerular deposition of cytotoxic antibodies in rat kidneys] Sellin D, et al. Verh Dtsch Ges Pathol 54:163-8, 1970 (Ger)
[Pathological findings in human organ transplantation] Weber HW. Verh Dtsch Ges Pathol 54:94-121, 1970 (89 ref.) (Ger)
[Fatal hemorrhage after heart transplantation in a dog] Wenger F. Verh Dtsch Ges Pathol 54:181-5, 1970 (Ger)
[Serology of organ transplantation] Mayr WR. Wien Klin Wochenschr 82:21-8 passim, 9 Jan 70 (Ger)
[Host choice for organ transplantations by means of a desk computer] Mayr WR, et al. Wien Med Wochenschr 120:334-7, 2 May 70 (Ger)
[Tissue typing: current methods from critical viewpoint] Tilz GP, et al. Wien Med Wochenschr 120:404-8, 30 May 70 (Ger)
[Immunologic studies of proteinuria in kidney transplanted patients] Hermann G, et al. Z Gesamte Exp Med 154:101-16, 1971 (Ger)
[Importance of the immunological enhancement for the survival time of a homologous graft] Benkö A. Z Gesamte Inn Med 26:345-52, 1 Jun 71 (97 ref.) (Ger)
[The selection of donors and recipients in organ transplantation] Menzel GR, et al. Z Gesamte Inn Med 25:825-8, 15 Jul 70 (Ger)
[Suppression of transplantation reaction by simultaneous administration of azathioprine and prednisolone] Adelsberger B, et al. Z Immunitaetsforsch Allerg Klin Immunol 139:277-89, Apr 70 (Ger)
[Heterotransplantation of human prostate tissue to neonatal rats] Senge T, et al. Z Krebsforsch 74:274-8, 1970 (Ger)
[The antigenic properties of cartilage. 1. Demonstration by histological studies of antigenic effects of the transplanted cartilage] Westhues M. Z Laryngol Rhinol Otol 49:750-61, Nov 70 (Ger)
[Antigens of the first histocompatibility system (H-1) in the BD-(Berlin Druckrey) and BDE-rat breed strains] Stark O, et al. Z Versuchstierkd 12:27-40, 1970 (Ger)
[Prevention of tumor growth by immunization of hamsters with x-irradiated SV40-transformed cells] Ashkenazi A, et al. Harefuah 77:376-9, 2 Nov 69 (Heb)
[Immunological factors in kidney transplantation] Braf Z. Harefuah 78:610-1, 15 Jun 70 (Heb)
[The incidence of major transplantation antigens among O, Rh-O (D) negative Hungarian blood donors] Dóbiás G, et al. Orv Hetil 112:917-9, 18 Apr 71 (Hun)
[Studies on the effect of the perfusion of isolated kidneys with allogenic lymphocytes] Furiosi P, et al. Acta Chir Ital 25:765-86, Nov-Dec 69 (Ita)
[Further observations on autoplastic and homoplastic transplants of spinal medulla in adult tritons] Margotta V, et al. Acta Embryol Exp (Palermo) 2:151-62, 1970 (Ita)
[Immunologic findings on antigen power of heterologous fascia lata] Secchi AG, et al. Ann Ottalmol Clin Ocul 95:1011-5, Dec 69 (Ita)
[Factors conditioning the transparency of the transplanted corneal fragment] Vecchione L, et al. Ann Ottalmol Clin Ocul 95:665-76, Aug 69 (Ita)
[Changes of the hematic level of complement in animals with skin homografts] Di Perri T, et al. Boll Soc Ital Biol Sper 45:680-2, 31 May 69 (Ita)
[Changes of the hematic level of complement in animals with skin homografts treated with heparin and protamine sulfate] Di Perri T, et al. Boll Soc Ital Biol Sper 45:682-5, 31 May 69 (Ita)
[Action of amethopterin on splenic autografts in the rat] Laurentaci G, et al. Boll Soc Ital Biol Sper 46:600-2, 15 Jul 70 (Ita)
[Action of cyclophosphamide on splenic autografts in the rat] Laurentaci G, et al. Boll Soc Ital Biol Sper 46:602-4, 15 Jul 70 (Ita)
[Heterotopical homotransplant of the rat heart: histochemical observations during the acute rejection phase] Frasson P, et al. Chir Patol Sper 17:231-43, Aug 69 (Ita)
[Experimental research on homotransplants in swine. Renal transplant with venous anastomosis to the portal vein] Mazzoni G, et al. Chir Patol Sper 17:18-28, Feb 69 (Ita)
[Transplantation of the spleen in the rat: technical aspects and results in the absence of treatment for rejection] Ronzoni G, et al. Chir Patol Sper 17:293-306, Oct 69 (Ita)
[Histological and histochemical aspects of swine aortic valve transplants] Turinetto B, et al. Chir Patol Sper 17:1-16, Feb 69 (Ita)
[Immunological problems in organ transplantation (with reference to oncology)] Gazzera G. G Batteriol Virol Immunol 63:599-614, Sep-Oct 70 (Ita)
[Experimental research on cutaneous autografts in man. Observations on the behavior of the autograft in allergic contact eczema. V] Fiarer F, et al. G Ital Dermatol 44:473-5, Sep 69 (Ita)
[Interpretation of adrenergic vasoconstriction as an aspecific rejection factor of renal homotransplants] Novelli GP, et al. Minerva Anestesiol 35:1289-5, Dec 69 (Ita)
[Transplantation of the heart] Cuneo M. Minerva Chir 25:830-2, 15 Jun 70 (Ita)
[Behavior of skin homografts associated with liver homotransplants in swine] Galmarini D, et al. Minerva Chir 26:743-4, 15 Jul 71 (Ita)
[Transplantation of the lung] Masenti E, et al. Minerva Chir 26:441-69, 15 May 71 (Ita)
[Survival of skin homografts in patients with jaundice] Micali G, et al. Minerva Chir 26:748-58, 15 Jul 71 (Ita)
[Experimental research on orthotopic homologous transplant of the spleen] Rolfo F, et al. Minerva Chir 26:597-602, 15 Jun 71 (Ita)
[Kidney transplantation in rats] Uggeri F, et al. Minerva Chir 25:1477-90, 30 Nov 70 (Ita)
[Experimental heterotopic transplant of the heart in the rat. Tactics and surgical technic] Uggeri F, et al. Minerva Chir 26:470-507, 15 May 71 (Ita)
[Transplantation of female genitalia. Experiments in female dogs] Magli G, et al. Minerva Ginecol 21:829-36, 15 Jul 69 (Ita)
[Biological personality. Individuality, singularity, personality. Chemical uniqueness and biological fraternity. Mice from 4 parents. The peculiarity of transplants in amphibians. The histocompatible human] Monti A. Minerva Med Suppl 26:23-4, Mar 70 (Ita)
[Hematologic and anatomopathologic findings on heterologous transplantation of bone marrow in lethally irradiated rabbits] Polese E, et al. Minerva Med 61:4166-70, 28 Sep 70 (Ita)
[Results and immunosuppressive treatment in clinical renal allotransplant] Casciani C, et al. Minerva Nefrol 18:369-76, Nov-Dec 69 (Ita)
[Experimental contribution to the analysis of the immunological reactions of ocular structures in presence of heterologous tumors. (a). Mouse ascites tumor graft in the rabbit cornea. (b). Mouse ascites tumor wrapped in autoplastic membrane grafted in the anterior chamber of the guinea pig eye] Claudio C, et al. Riv Anat Patol Oncol 35:293-309, 1969 (Ita)
[Analysis of the rejection reaction of skin homografts. Inhibition of the delayed hypersensitivity reaction by periomodermal injections of homo-specific lymphoreticular tissue homogenate, in the guinea pig] Craviotto C, et al. Riv Anat Patol Oncol 35:281-91, 1969 (Ita)
[Thymic changes following long-term antigenic stimulation. 1. Thymic reaction following allogenic tissue grafting] Teranaka M. Acta Med (Fukuoka) 49:339-50, Aug 70 (Jap)
[Transplantation ntigens with special reference to cell-surface research] Muramatsu T. J Jap Biochem Soc 42:843-63, Nov 70 (179 ref.) (Jap)
[Electron microscopic study of the cells in rejection of transplanted tumor cells] Kodama T, et al. Jap J Clin Med 28:2536-40, Oct 70 (Jap)
[Biological reaction of pedicled skin flap, passive cutaneous anaphylaxis] Nishioka K, et al. Jap J Plast Reconstr Surg 14:233-8, Jul 71 (Jap)
[Chronic antigenic stimulation as a pathogenic factor in the development of malignant lymphoma] Myking AO. Nord Med 85:945-9, 27 May 71 (Nor)
[Auto-immune reactions following organ transplantation] Thuneld S. Nord Med 85:229-34, 25 Feb 71 (34 ref.) (Nor)
[Transplantation immunology] Thorsby E. Tidsskr Nor Laegeforen 91:1131-9, 30 May 71 (Nor)
[Metabolic activity of lymph nodes stimulated by transplants in the light of isotopic studies] Patkowski J, et al. Acta Physiol Pol 22:91-100, Jan-Feb 71 (Pol)
[Rejection of kidney allografts in man] Oriowski T, et al. Pol Arch Med Wewn 45:209-23, 1970 (Pol)
[Preliminary studies of the antithymocyte globulin] Oriowski T, et al. Pol Arch Med Wewn 45:237-44, 1970 (Pol)
[Immunological problems in transplantations] Ostrowski K. Pol Arch Med Wewn 45:317-36, 1970 (32 ref.) (Pol)
[Immunologic response to transplantable specific antigens in experimental tumors] Porwit-Bóbr Z. Postepy Hig Med Dosw 25:25-36, 1971 (Pol)
[Antilymphocytic serum (antilymphocyte globulin) in the management of transplants] Gioldanowski J. Wiad Lek 23:1971-7, 15 Nov 70 (Pol)
[Specific immunosuppressive therapy (antilymphocytic serums)] Mazsel D. Rozen Clin Chest 38:163-8, Jul-Aug 69 (Per)
[Heart transplants: physiology and physiopathology of the mechanisms of immunosuppression and the resources employed to avoid rejection of the transplant by the organism. Expectancy and outcomes] Sales A. Rozen Clin Chest 38:79-81, Mar-Apr 69 (Per)
[Anti-leukocytic isoimmunization] Rozen Clin Chest 38:247-9, Sep-Oct 69 (Per)
[Rejection and immunosuppression in liver transplantation. Clinical and experimental aspects] Bevilacqua RG, et al. Rev Hosp Clin Fac Med Sao Paulo 25:359-70, Nov 70 (Per)
[Experimental study on small intestine heterotopic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

homologous transplantation: preliminary data] Goffi FS, et al. Rev Paul Med 77:57-62, Mar 71 (Por)
[Reaction to skin homografts in thymectomized rats] Abuladze AV. Biull Eksp Biol Med 67:72-4, 1969 (Rus)
[Skin homografts treated with weak formaldehyde solutions] Fefgel'man SS, et al. Biull Eksp Biol Med 70:92-4, Aug 70 (Rus)
[An experimental analysis of the origin of antibody producing cells in the spleen of an intact recipient following transplantation of cells from an immunized donor] Fontalin LN, et al. Biull Eksp Biol Med 63:108-13, Nov 67 (Rus)
[Distribution of transplantation antigens in subcellular fractions of certain organs in mice] Iarilin AA. Biull Eksp Biol Med 68:109-11, Sep 69 (Rus)
[Reactive changes in leukocytes in sensitization of animals with antigens of homologous tissues] Kapichnikov MM, et al. Biull Eksp Biol Med 68:104-8, Sep 69 (Rus)
[The effect of anti-spleen serum on the stem cells of hemopoietic tissue] Kaulen DR, et al. Biull Eksp Biol Med 69:85-8, Apr 70 (Rus)
[The cytotoxic action of the spleen cells of irradiated and non-irradiated rabbits] Klemparskaia NN, et al. Biull Eksp Biol Med 65:48-51, Apr 68 (Rus)
[Heterotopic bone marrow transplantation in tolerant animals] Kuralesova AI. Biull Eksp Biol Med 70:97-100, Jul 70 (Rus)
[Participation of posterior hypothalamic centers in the mechanism of fresh skin homotransplant rejection] Mikhailov VV, et al. Biull Eksp Biol Med 66:37-41, Sep 68 (Rus)
[Specific suppression of transplantation immunity in rabbits with antisera of donors immunized by recipient leukocytes] Novikov DK, et al. Biull Eksp Biol Med 70:82-5, Nov 70 (Rus)
[Reaction of the tissue bed of the recipient during transplantation of allogeneic bone tissue preserved over different periods of time] Okuneva LM, et al. Biull Eksp Biol Med 72:115-7, Jul 71 (Rus)
[Some data on the distribution of transplantation antigens in the population of Moscow] Popov AS, et al. Biull Eksp Biol Med 71:56-8, Jan 71 (Rus)
[Use of the graft vs host reaction for specific depression of homotransplantation immunity in adult mice] Semenkov VF. Biull Eksp Biol Med 70:78-81, Jul 70 (Rus)
[Isolation and some characteristics of the H-2 locus transplantation antigen in mice] Vladimirskif MA, et al. Biull Eksp Biol Med 70:62-5, Dec 70 (Rus)
[Autotransplant rejection following sensitization of the body by various microbial antigens] Zubzhitskii IuN, et al. Biull Eksp Biol Med 65:107-10, Apr 68 (Rus)
[Immunomorphologic reactions during homotransplantation of preserved skin] Artsimovich NG, et al. Dokl Akad Nauk SSSR 195:472-4, 1970 (Rus)
[Correlation between the extent of Trichinella spiralis invasion of mice and transplantation immunity suppression] Cherniakhovskaia IIu, et al. Dokl Akad Nauk SSSR 196:1490-2, 21 Feb 71 (Rus)
[Possibility of obtaining tolerance to skin homotransplants in the offspring of animal parabionts] Khundanov LL, et al. Dokl Akad Nauk SSSR 195:1450-2, 1970 (Rus)
[Effect of damage to the hypothalamus on immunological indices during induced rejection of autotransplants] Korneva EA, et al. Dokl Akad Nauk SSSR 186:215-8, May-Jun 69 (Rus)
[In vitro component of the phenomenon of inactivation of allogeneic stem cells] Petrov RV, et al. Dokl Akad Nauk SSSR 189:418-9, 11 Nov 69 (Rus)
[Suppression of transplantation immunity in mice infected by Trichinella spiralis] Svet-Moldavskif GIa, et al. Dokl Akad Nauk SSSR 190:999-1000, Feb 70 (Rus)
[40 days' life of a homotransplanted dog limb] Barbarash NA. Eksp Khir Anesteziol 15:36-9, Nov-Dec 70 (Rus)
[Fate of a heterotopic heart allotransplant] Fal'kovskif GE, et al. Eksp Khir Anesteziol 15:3-13, Nov-Dec 70 (Rus)
[Use of antilymphocyte serum in transplantation (literature review)] Govalio VI, et al. Khirurgiia (Mosk) 47:143-6, Jan 71 (57 ref.) (Rus)
[Technic of pedunculated skin homotransplantation] Rudenko FV. Klin Khir 4:30-4, Apr 70 (Rus)
[Lymphocytic reaction to bone tissue homografts] Bruskina VIa. Lab Delo 8:470-3, 1970 (Rus)
[Study of interaction of sera of recipients with antigens of donors at kidney transplantation] Korenevskaia VA, et al. Lab Delo 7:431-6, 1970 (Rus)
[Thermistography and immunomorphologic study in bone homoplasty] Rodiukova EN, et al. Ortop Travmatol Protez 31:24-7, Oct 70 (Rus)
[Transplantation antigens (review)] Vladimirskif MA, et al. Ortop Travmatol Protez 31:72-5, Oct 70 (29 ref.) (Rus)
[Immunohematologic changes in children with hypoplastic anemia after transplantation with allogenic bone marrow] Sokolova-Akulova KG, et al. Probl Gematol Pereliv Krovi 15:21-4, Sep 70 (Rus)
[Diagnosis of the rejection crisis in transplantation of the human kidney] Iarmolinskif IS. Ter Arkh 42:25-9, Sep 70 (Rus)
[Induction of cellular autoimmune reactions to the liver in mice by implanting spleen cells of syngeneic donors with toxic hepatitis] Sukernik RT, et al. Tsitologiia 13:638-43, May 71 (Rus)
[Reaction of the graft against the host and transplantation immunology] Semenkov VF. Usp Sovrem Biol 70:239-54, Sep-Oct 70 (122 ref.) (Rus)
[Phenomenon of viral heterogenization of the skin] Deichman GI, et al. Vestn Akad Med Nauk SSSR 26:23-7, 1971 (Rus)
[Skin and transplant reaction in mice to the introduction of lymphoid cells of a donor sensitized with inducing microbial antigens] Ogurtsov RP, et al. Vestn Akad Med Nauk SSSR 26:22-5, 1971 (Rus)
[Biochemical and immunochemical characteristics of mouse liver transplantation antigens] Iarilin AA. Vopr Med Khim 17:115-20, Mar-Apr 71 (Rus)
[The effect of Ehrlich tumor on allogenic skin transplantation in mice] Belokhvostov AS. Vopr Onkol 16:61-5, 1970 (Rus)
[Latent virus of C57BL-6J mice heterogenizing the skin] Lioxner AL, et al. Vopr Virusol 16:215-21, Mar-Apr 71 (Rus)
[Formation of antiviral antibodies by spleen cells stimulated by an antigen in vitro, after transplantation to newborn and irradiated recipients] Nepomniashchif IuZ, et al. Vopr Virusol 16:31-5, Jan-Feb 71 (Rus)
[Immune reactions to the serum proteins of the donor following transplantation of xenogenic lymphoid cells] Maianskif DN. Zh Mikrobiol Epidemiol Immunobiol 46:51-6, Oct 69 (Rus)
[Behavior of trachea allotransplants in dogs treated with antilymphocyte globulin] Díaz Mejía GS, et al. Prensa Med Mex 36:23-36, Feb 71 (Spa)
[Use of heterologous antilymphocyte serum in human renal transplants] Caralps A, et al. Rev Clin Esp 121:21-8, 15 Apr 71 (Spa)
[Survival of xenoplastic transplants in anurous amphibia by treatment with semicarbazide] Alonso M, et al. Rev Esp Fisiol 26:331-4, Dec 70 (Spa)
[Modern immunosuppressive methods in clinical organ transplantation] Collste LG, et al. Lakartidningen 68:577-80, 3 Feb 71 (Swe)
[Human transplantation antigens] Lundgren G. Lakartidningen 68:1243-52, 10 Mar 71 (Swe)
[Lymphocyturia] Helgasson S, et al. Nord Med 85:783, 24 Jun 71 (Swe)
[Pancreatico-duodenal allotransplantation: experimental and clinical experience] Lillehei RC, et al. Acta Diabetol Lat 7:909-89, Nov-Dec 70 (Mul)
[Immunological studies on malignant tumours in man. Methods and first results] Pittoni G, et al. Riv Biol 63:167-219, Apr-Jun 70 (Mul)
[Histopathologic picture of acute and chronic rejection of homotransplanted heart in animal experiments] Siezák J, et al. Bratisl Lek Listy 55:336-46, 1971 (Slo)

DRUG EFFECTS

Aspects of immunosuppressive drugs. A review of literature. Rantanen P. Acta Paediatr Scand [Suppl] 206:Suppl 206:62+, 1970
Histopathological changes in canine renal allotransplants after yeast respiratory extract (PCO) treatment. Groenewald JH, et al. Am Surg 37:281-6, May 71
Suppression of corneal graft reaction by antilymphocyte serum. 3. Effect of pretreatment of donor animals. Smolin G, et al. Arch Ophthalmol 85:451-4, Apr 71
The effects of x-irradiation and anti-lymphocyte serum on the responses to tumour allografts. Riches AC, et al. Br J Cancer 24:833-42, Dec 70
The effect of Trasylol on graft rejection. Ghilchik MW, et al. Br J Surg 57:856, Nov 70
Immunosuppression by antilymphocyte serum and its effect on tumors indduced by 3-methylcholanthrene in mice. Wagner JL, et al. J Natl Cancer Inst 46:1-10, Jan 71
Effect of anticoagulants on the transplanted heart. Kahn DR, et al. J Thorac Cardiovasc Surg 60:816-24, Nov 70
Antilymphocyte serum in tissue transplantation. Gunn A. Minerva Chir 26:709-17, 15 Jul 71
Complications of immunosuppression. Penn I. Minerva Chir 26:718-20, 15 Jul 71
The effect of supralethal amethopterin and folinic acid rescue on mouse skin allograft survival. Abbott WM, et al. Proc Soc Exp Biol Med 136:510-3, Feb 71
Superiority of antithymus serum to antilymphocyte serum in prolonging cardiac homograft survival. Lueker RD, et al. Proc Soc Exp Biol Med 137:139-41, May 71
Biological effects of antithymus serum and antilymphocyte serum. Nagaya H, et al. Progr Immunobiol Stand 4:225-9, 1970
Passive serologic transfer of immunity to skin grafts in allogeneic and isogeneic mice. Kinne DW, et al. Rev Surg 28:66, Jan-Feb 71
Synthetic progestins and antithymocyte globulin: a synergistic immunosuppressive combination. West TH, et al. Rev Surg 28:69, Jan-Feb 71
Studies on the effects of procytoxide (PCO) on treated and untreated dog renal allografts. Groenewald JH, et al. S Afr Med J 44:1209-12, 24 Oct 70
Homograft rejection delayed by treatment of donor tissue in vitro with antilymphocyte serum. Burde RM, et al. Science 173:921-3, 3 Sep 71
Prolongation of rat skin allograft survival with isonicotinic acid hydrazide and methapyriiene hydrochloride. Moore TC, et al. Surg Gynecol Obstet 132:275-83, Feb 71
Prolongation of allograft survival with antimacrophage serum. Dyminski JW, et al. Transplantation 8:595-601, Nov 69
Prolongation of skin xenograft survival by L-asparaginase. Etheredge EE, et al. Transplantation 11:353-4, Mar 71
Effect of normal serum on survival of rat ovary allografts. Glaser M, et al. Transplantation 8:753-4, Nov 69
Active enhancement of canine renal allografts using solubilized lymphocyte antigen. Holl-Allen RT, et al. Transplantation 10:472-83, Dec 70
Studies on antilymphocyte serum and transplantation immunity in Syrian hamsters. Shaffer CF, et al. Transplantation 11:396-403, Apr 71
Prevention of corneal homograft rejection by estrogens. Waltman SR, et al. Transplantation 11:194-6, Feb 71
[Immuno-adjuvant action of poly IC in mice and its application to the treatment of leukemia L 1210] Mathé G, et al. C R Acad Sci [D] (Paris) 272:170-3, 4 Jan 71 (Fre)
[Horse anti-dog-lymphocyte serum] Dormont J, et al. Progr Immunobiol Stand 4:230-8, 1970 (Fre)
[Immunosuppressive effect of a new antibiotic, Daunomycin, in heterologous transplantations of the cornea] Cerulli L, et al. Ber Dtsch Ophthalmol Ges 70:179-82, 1970 (Ger)
[Prolonged survival time of skin allotransplants after cytosine arabinoside (CA)] Weitzel H, et al. Verh Dtsch Ges Pathol 54:169-75, 1970 (Ger)
[Immunosuppressive effect of histone on the model of skin transplantation. Comparative studies with cyclophosphamide] Gilliissen G. Z Gesamte Exp Med 152:335-51, 23 Aug 70 (Ger)
[Influence of gold on the survival time of skin homografts in mice] Scheiffarth F, et al. Z Gesamte Exp Med 152:125-9, 1970 (Ger)
[The action of sodium chondroitin sulfate on the evolution of skin homografts in rats] Mussa A. Minerva Med 61:5312-9, Nov 70 (Ita)
[Reactivation of the immune response of the lymph nodes to the skin allograft in rabbits treated with 6-mercaptopurine] Laurentaci G, et al. Omnia Med Ther 48:349-60, Jul-Sep 70 (Ita)
[Prolongatoon of homotransplant viability under the influence of thio-TEPA and thio-TEPA combined with hydrocortisone] Bredikhin TF. Biull Eksp Biol Med 68:90-3, Aug 69 (Rus)

INSTRUMENTATION

[Portable 90Sr--90Y-applicator with exchangeable plast-shunt for extracorporeal blood irradiation] Sköldborn H, et al. Nord Med 84:1305-6, 8 Oct 70 (Swe)

RADIATION EFFECTS

Radiation for immunosuppression in human organ transplantation. I. Experimental data. Levitt SH, et al. Acta Radiol [Ther] (Stockh) 10:248-56, Apr 71
The effects of x-irradiation and anti-lymphocyte serum on the responses to tumour allografts. Riches AC, et al. Br J Cancer 24:833-42, Dec 70
Growth of an allogeneic tumor in lethally irradiated mice treated with sensitized and unsensitized spleen cells. Riches AC, et al. Radiat Res 44:87-96, Oct 70
Migration of transplanted hematopoietic stem cells to the spleen of irradiated mice. Boggs DR, et al. Transplantation 11:191-2, Feb 71
[Quantitative assessment of the effect of radiation on the homotransplantation activity of lymphoid cells] Seslavina LS. Radiobiologiia 9:715-9, Sep-Oct 69 (Rus)

TRANSPLANTATION, ISOLOGOUS see under

TRANSPLANTATION, HOMOLOGOUS (E4)

TRANSPORT, BIOLOGICAL see BIOLOGICAL

TRANSPORT (G1)

TRANSPORT OF WOUNDED AND SICK (E5, N2)

see also related
AMBULANCES (N2)

Continuing to care--even in the air. Ricks MC. Can Nurse 66:33-8, Nov 70
Military flight meals. Manor FR. Hospitals 44:82-4, 16 Oct 70
25,000 miles of transportation for shut-in patients. Waldman HB. J Public Health Dent 26:346-9, 1966

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Helicopters in civilian medical services. London PS. J Trauma 10:906, Oct 70
Trauma workshop report: emergency evacuation and transport of injured. Schamadan J, et al. J Trauma 10:1042-4, Nov 70
Handling the threat of fatal coronary disease. Duggan JJ, et al. JAMA 214:1329, 16 Nov 70
Monitoring high-risk cardiac patients during transportation in hospital. Taylor JO, et al. Lancet 2:1205-8, 12 Dec 70
Subacute gastric dilatation in air evacuated combat injuries. Duncan JW, et al. Milit Med 134:57-8, Jan 69
Medical evacuation in the Ryukyu Islands. Vuturo AF. Milit Med 135:398-402, May 70
Field medical problem. The possible medical evacuation of a soldier to the Zone of Interior(ZI). Milit Med 135:111 passim, Feb 70
Management and evacuation of Vietnam casualties. Myers P. Proc Annu Clin Spinal Cord Inj Conf 15:87-9, 7 Nov 66
Carriage of invalids by air. Bergin KG. Trans Med Soc Lond 86:27-33, 1970
[Out of breath between home and hospital] Sluiter HJ. Ned Tijdschr Geneeskd 114:1989-90, 28 Nov 70 (Dut)
[Setting up transportation in cases of medical emergencies] Amerlinck F. Acta Anaesthesiol Belg 21:39-43, 1970 (Fre)
[Emergency treatment and transportation of cases of acute imipramine derivative poisoning (apropos of 70 cases)] Noto R, et al. Agressologie 11:515-23, 1970 (Fre)
[Biotelemetry in first-aid. Experience of emergency medical assistance service (S.A.M.U.) in the south of France and Pyrenees region] Lareng L, et al. Anesth Analg (Paris) 28:101-18, Jan-Feb 71 (Fre)
[Air transport of sick and wounded; its possibilities, restrictions and current medical counter-indications] Evrard E. Brux Med 50:333-59, May 70 (Fre)
[Transport and liaison. Experience. Evaluation in pediatrics] Cara M, et al. Bull Inst Natl Sante Rech Med 25:745-55, Jul-Aug 70 (Fre)
[Apropos of the methodology in a study of mobile first aid and emergency treatment] Minvielle D, et al. Bull Inst Natl Sante Rech Med 24:443-57, Mar-Apr 69 (Fre)
[2 films on emergency medicine: transport of patients with respiratory insufficiency and first aid (medical pick-up)] Poisvert M. Laval Med 41:1093-7, Nov 70 (Fre)
[Organization of polytraumatology in Paris hospitals] Cabrol C, et al. Presse Med 78:2298-9, 28 Nov 70 (Fre)
[Is the use of helicopters in the evacuation of traffic and drowning victims justified? Report of a traffic injury rescue experiment in the Southwest during the summer of 1967] Dupoux J, et al. Rev Corps Sante Armees 9:735-54, Dec 68 (Fre)
[Sanitary evacuations of manoeuvre forces in a struggle involving massive losses] Forissier B. Rev Corps Sante Armees 12:141-64, Apr 71 (Fre)
[Medical emergency aid experiment in the southern-Pyrenees region. Intervention of the A.L.A.T. helicopter] Lauzu, et al. Rev Corps Sante Armees 11:785-800 passim, Dec 70 (Fre)
[Acceleration and vibration in the pathology related to medical transport] Pichard E, et al. Rev Corps Sante Armees 11:611-35, Oct 70 (Fre)
[Emergency care and evacuation of the severely burned] Monteil R. Therapie 26:291-8, Mar-Apr 71 (Fre)
[Emergency ambulance in Mainz. 4-year report] Dortmann C, et al. Anaesthesist 19:212-9, Jun 70 (Ger)
[The hazards of air transportation] Baark H. Hefte Unfallheilkd 102:242-50, 1970 (Ger)
[Transport problems of the severely ill and severely injured with special reference to helicopter transportation] Eichler J. Hefte Unfallheilkd 99:113-8, 1969 (Ger)
[Experimental studies of damages due to helicopter transportation. Helicopter transportation of the severely injured; indications and experiences] Schiechel FA. Hefte Unfallheilkd 99:118-22, 1969 (Ger)
[Methods of resuscitation and transportation problems in emergency situations in medical practices] Ahnefeld FW, et al. Internist (Berlin) 11:41-6, Feb 70 (Ger)
[Emergency situations in medical practices in patients with central nervous system symptoms] Gibbels E, et al. Internist (Berlin) 11:46-51, Feb 70 (Ger)
[Hypothermia of premature babies. II. Why are premature babies brought to hospital with hypothermia?] Mersmann B, et al. Monatsschr Kinderheilkd 119:455-7, Aug 71 (Ger)
[Studies on hypothermia in premature babies. 3. Temperature during the transport of premature babies in the transport incubator] Mersmann B, et al. Monatsschr Kinderheilkd 119:458-60, Aug 71 (Ger)
[Experiences of a helicopter attending physician. Organizational problems] Ruidisch MH. Monatsschr Unfallheilkd 73:586-9, 1970 (Ger)
[Protective transport system for persons injured in accidents] Hinke A, et al. Roentgenpraxis 23:136-41, Jun 70 (Ger)
[Proposals for improving the prognosis of brain injury patients] Guth E, et al. Wien Med Wochenschr 120:597-601, 5 Sep 70 (Ger)
[First aid and transport of patients with skull and brain injuries] Bettag W. Z Allgemeinmed 46:863-7, 20 Jun 70 (Ger)
[Management of penetrating wounds of the chest] Romanoff H, et al. Harefuah 77:329-31, 15 Oct 69 (Heb)
[Hospital resuscitation and first aid services and their extra-hospital auxiliary services] Mazzoni P, et al. Acta Anaesthesiol (Padova) 20:Suppl 1:139+, 1969 (Ita)
[Methods and means of emergency health care] Porzi U. Ann Sanita Pubblica 31:499-507, Jul-Aug 70 (Ita)
[I. Current knowledge of aeronautic physiopathology and transport of sick and severely injured] Columella F, et al. Bull Sci Med (Bologna) 141:6-30, Jan-Mar 69 (Ita)
[II. Air-ambulance for civil service] Columella F, et al. Bull Sci Med (Bologna) 141:31-42, Jan-Mar 69 (Ita)
[3. 4 years of flight experience with sick patients aboard] Columella F, et al. Bull Sci Med (Bologna) 141:43-68, Jan-Mar 69 (Ita)
[Limitations and permission for flying in airplanes] Monti A. Minerva Med 61:X-XIV, 10 Oct 70 (Ita)
[3-year experience with the organization of ambulance teams of intensive extrahospital care by the ambulance service in Lódź] Matczak J. Pol Tyg Lek 26:810-2, 24 May 71 (Pol)
[Treatment of open fractures] Fazzi A, et al. Rev Paul Med 77:135-8, Apr 71 (Por)
[Organization of medical service at evacuation stages in penetrating wounds of the chest] Sheliakhovskiĭ MV. Voen Med Zh 11:10-4, Nov 70 (Rus)

HISTORY

[Use of air transport in the medical service to the troops] Aleksanian IV. Voen Med Zh 6:10-3, Jun 70 (Rus)

INSTRUMENTATION

Variable-height casualty patient trolley. Murray AM. Lancet 1:737, 10 Apr 71
[System for the transport and radiological examination of injured patients] Presse Med 79:576, 13 Mar 71 (Fre)

MANPOWER

[Medical students in the accident rescue service and transport of the sick?] Sefrin P. Munch Med Wochenschr 113:194-7, 5 Feb 71 (Ger)

STANDARDS

Manitoba ambulance services. Chapman CG. Manit Med Rev 51:18-9, May-Jun 71

TRANSPOSITION OF GREAT VESSELS (C16)

Pulmonary atresia and intact ventricular septum complicating corrected transposition of the great vessels. Steeg CN, et al. Am Heart J 82:382-6, Sep 71
Complete transposition of the great arteries. Altshuler A. Am J Nurs 71:96-8, Jan 71
Congenital corrected transposition of the great vessels in a 58-year-old man. Benchimol A, et al. Chest 59:634-8, Jun 71
Catheterization of the pulmonary artery in transposition of the great arteries: a simple method. Celermajer JM, et al. Circulation 41:1053-6, Jun 70
Transposition of the great arteries and of the pulmonary veins including an account of cardiac embryology and chamber identification. Grainger RG. Clin Radiol 21:335-54, Oct 70 (9 ref.)
[Bucha-Goerttler's transposition of the great vessels. Report of a 2nd case] Wagner HJ, et al. Arch Kinderheilkd 181:168-74, 1970 (Ger)
[Corrected transposition of the great vessels. Clinical and instrumental study] Calafiore AM, et al. Boll Soc Ital Cardiol 15:89-102, 1970 (Ita)
[Complete transposition of great arterial trunks in newborns and infants] Ereciński J. Pol Tyg Lek 25:1404-6, Sep 70 (Pol)
[Transposition of the great vessels. (Programmed instruction)] Bayés de Luna A, et al. Rev Esp Cardiol 23:518-31, Oct-Dec 70 (Spa)

CHEMICALLY INDUCED

Iatrogenic embryonic defects--correction of statement regarding thioridazine. Monie IW. Calif Med 115:99, Jul 71

COMPLICATIONS

Pulmonary artery banding in tricuspid atresia without transposed great arteries. Tingelstad JB, et al. Am J Dis Child 121:434-7, May 71
Total anomalous pulmonary venous connection with valvular pulmonic stenosis. (A case report). Mahajan CM, et al. Indian Pediatr 8:95-7, Mar 71
Dextrocardia with transposition of great vessels and multiple associated abnormalities of viscera. Hardin TF Jr. J Am Osteopath Assoc 70:343-7, Dec 70
[Corrected transposition with ventricular septal defect, pulmonary valve stenosis and complete atrio-ventricular block. Results 5 years after pulmonary valvotomy under normothermia] Laboux L, et al. Arch Mal Coeur 64:118-26, Jan 71 (Fre)
[Double-outlet right ventricle with levoposition of the pulmonary artery. A successfully operated case] Souliè P, et al. Arch Mal Coeur 63:1364-78, Oct 70 (Fre)
[Corrected arterial transposition in 41 cases] Thibert M, et al. Arch Mal Coeur 62:1434-48, Oct 69 (Fre)
[Corrects transposition of the great blood vessels with stenosis of the pulmonary artery and inter-ventricular communication (7 cases)] Amichot JL, et al. Mars Med 106:99-114, 1971 (Fre)
[Congenital cardiopathy (Taussig-Bing) and carbon monoxide poisoning] Caroff J, et al. Med Leg Domm Corpor (Paris) 3:84-7, Jan-Mar 70 (Fre)
[Surgical anatomy of corrected transposition of the great vessels with ventricular septal defect or a single ventricle] Shotsu A, et al. Jap J Thorac Surg 24:312-21, May 71 (Jap)
[Ventricular inversion with transposition of great vessels. Report of a case with left auriculo-ventricular malformation treated surgically] Nadal-Ginard B, et al. Arch Inst Cardiol Mex 40:797-810, Nov-Dec 70 (Spa)

DIAGNOSIS

Clinical pathologic conference. Becker MJ, et al. Am Heart J 81:264-73, Feb 71
Corrected transposition of the great arteries. A modified approach to the clinical diagnosis in 30 cases. Shem-Tov A, et al. Am J Cardiol 27:99-113, Jan 71
Echocardiographic recognition of mitral-semilunar valve discontinuity. An aid to the diagnosis of origin of both great vessels from the right ventricle. Chesler E, et al. Circulation 43:725-32, May 71
The vectorcardiogram in complete transposition of the great arteries: correlation with anatomic and hemodynamic findings and calculated left ventricular mass. Mair DD, et al. J Electrocardiol 3:217-29, 1970
[Uncorrected transposition of great vessels] Asfaou E, et al. Ann Chir Thorac Cardiovasc 9:303-10, Jul 70 (Fre)
[Diagnosis of atrial septal defects and of various types of partial pulmonary vein transposition, especially using the dye dilution technic] Schmidt E, et al. Verh Dtsch Ges Inn Med 75:386-8, 1969 (Ger)
[Origin of both great vessels from the right ventricle] Wimmer M, et al. Wien Med Wochenschr 120:109-16, 14 Feb 70 (Ger)
[The electrocardiogram in corrected transposition of the great vessels] De Vita C, et al. Boll Soc Ital Cardiol 14:559-70, 1969 (Ita)
[The electrocardiogram in corrected transposition of the great vessels] De Vita C, et al. Minerva Cardioangiol 18:354-69, Jun 70 (Ita)

PATHOLOGY

[Pathology of congenital heart diseases (developmental anomaly of the heart)] Kajita A. Jap J Thorac Surg 24:253-9, Apr 71 (Jap)

PHYSIOPATHOLOGY

Congenital corrected transposition with atrial inversion and normal hemodynamics. Fixler DE. Am Heart J 81:387-91, Mar 71
Congenital corrected transposition with atrial inversion and normal hemodynamics. Fixler DE. Am Heart J 8:387-91, Mar 71

RADIOGRAPHY

Roentgenographic re-examination of the internal anatomy of the Taussig-Bing heart. Hinkes P, et al. Am Heart J 81:335-9, Mar 71
Transposition of the great arteries. Determination of the position of the great arteries in conventional chest roentgenograms. Guerin R, et al. Am J Roentgenol Radium Ther Nucl Med 110:747-56, Dec 70
Differential pulmonary vascularity and the orientation of the right ventricular outflow tract with special reference to corrected transposition. Davies H, et al. Br J Radiol 44:258-64, Apr 71
Tricuspid atresia, transposition, and coatation of the aorta. Gyepes MT, et al. Radiology 97:633-6, Dec 70
[Configuration of the heart pedicle in transposition of the great vessels] Hlava A, et al. Cesk Radiol 24:237-44, Nov 70 (Cze)
[Complete transposition of the great vessels] Marano P. Radiol Med (Torino) 55:417-30, May 69 (Ita)
[The early plain film diagnosis of transposition of the great arteries] Astley R. Ann Radiol (Paris) 14:183-8, Mar-Apr 71 (Mul)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

SURGERY

Transposition of the great arteries. The changing prognosis. Newfeld EA, et al.
Am J Dis Child 120:330-3, Oct 70
The radiographic diagnosis of complications of the Mustard procedure. Price JE Jr, et al.
Am J Roentgenol Radium Ther Nucl Med 112:53-7, May 71
Surgical management of transposition of the great arteries. Berg R Jr, et al. Am Surg 37:467-71, Aug 71
Mustard procedure as a second stage for total correction of transpositions with previous Baffes operation. Baffes TG, et al.
Ann Thorac Surg 11:113-21, Feb 71
Superior vena cava syndrome following complete correction (mustard repair) of transposition of the great vessels. Mazzei EA, et al.
Ann Thorac Surg 11:243-5, Mar 71
An unusual complication of balloon-catheter atrial septostomy. Williams GD, et al.
Ann Thorac Surg 10:556-9, Dec 70
A new complication of Rashkind balloon septostomy. Scott O. Arch Dis Child 45:716-7, Oct 70
Treatment of transposition of the great vessels with an intra-atrial baffle (Mustard procedure). Indeglia RA, et al. Arch Surg 101:797-805, Dec 70
Correction of uncomplicated cases of transposition of the great arteries. Aberdeen E.
Br Heart J 33:Suppl:66-8, 1971
Results of "inflow correction" for transposition of great arteries. Aberdeen E, et al.
Br Heart J 33:611, Jul 71
Surgical treatment of complex forms of transposition. Kirklin JW, et al.
Br Heart J 33:Suppl:73-80, 1971 (26 ref.)
Palliative procedures for transposition of the great arteries. Rashkind WJ. Br Heart J 33:Suppl:69-72, 1971
Palliative treatment of transposition of great arteries. Tynan M. Br Heart J 33:610-1, Jul 71
Effectiveness of the Rashkind procedure in transposition of the great arteries in infants. Baker F, et al. Circulation 43:Suppl 1:1-6, May 71
Appraisal of surgical atrial septectomy for transposition of the great arteries. Litwin SB, et al. Circulation 43:Suppl 1:7-10, May 71
Physiologic correction of transposition of the great arteries. Indications for and results of operation in 32 patients. Waldhausen JA, et al.
Circulation 43:738-47, May 71
Taussig-Bing malformation, coarctation of the aorta, and reversed patent ductus arteriosus. Operative correction in an infant. Wedemeyer AL, et al. Circulation 43:1021-7, Dec 70
Medical palliation of transposition of the great arteries. Ward OC, et al. J Ir Med Assoc 63:331-4, 25 Sep 70
Complete transposition of great vessels without associated defects. Case report of first patient to live to be a normal adult: result of surgery. Bemiller CR, et al. J Thorac Cardiovasc Surg 61:904-8, Jun 71
Repair of transposition of the great arteries of transposition of venous return. Surgical considerations and results of operation. Danielson GK, et al. J Thorac Cardiovasc Surg 61:96-103, Jan 71
Congenital corrected transposition of the great vessels. Surgical treatment of associated incompetence of the systemic atrioventricular valve. Haiderer O, et al. J Thorac Cardiovasc Surg 61:933-7, Jun 71
A new method of closed atrioseptectomy for palliative treatment of complete transposition of the great vessels. Rastan H, et al.
J Thorac Cardiovasc Surg 61:705-9, May 71
Survival of infants with transposition of great arteries after balloon atrial septostomy. Tynan M.
Lancet 1:821-3, 27 Mar 71
Balloon atrial septostomy in complete transposition of the great vessels. Horst RL van der, et al.
S Afr Med J 44:916-9, 15 Aug 70
Surgical repair for corrected transposition of the great arteries with severe pulmonary stenosis. Horiuchi T, et al. Tohoku J Exp Med 104:143-9, Jun 71
[Complete correction of transpositio vasorum. 2 cases] Lauridsen P, et al.
Ugeskr Laeger 133:1404-6, 23 Jul 71 (Dan)
[Atrial septostomy in children with transposition. 3 years experience in Denmark] Wennevold A, et al.
Ugeskr Laeger 133:1397-9, 23 Jul 71 (Dan)
[Complex single ventricle: cavopulmonary anastomosis] Baille Y, et al.
Ann Chir Thorac Cardiovasc 8:291-5, Oct 69 (Fre)
[Closure of a ventricular septal defect associated with corrected transposition of large vessels. Valve of ventriculotomy. (Apropos of 2 case reports)] Dubost C, et al.
Ann Chir Thorac Cardiovasc 9:151-5, Apr 70 (Fre)
[Surgical correction of complete transposition of the great vessels (4 surgically treated cases)] Montiss JR, et al. Arch Mal Coeur 63:1406-13, Oct 70 (Fre)
[Present-day possibilities of surgical treatment of the transposition of the great vessels. A propos of a case treated by the Mustard method] Michaud P, et al.
Pediatrie 26:103-3, Jan-Feb 71 (Fre)
[Rashkind's atrial septostomy in newborn infants. Evaluation of 47 operations] Pernot C, et al.
Pediatrie 25:873-82, Dec 70 (Fre)
[Right ventricle with a double outlet] Sadeghi H, et al.
Schweiz Med Wochenschr 100:196-8, 31 Jan 70 (Fre)
[Transatrial septostomy with balloon catheters for palliative therapy of complete transposition of great vessels] Porstmann W, et al.
Dtsch Gesundheitsw 25:2361-4, 10 Dec 70 (Ger)
[Ligation (of pulmonary artery) (and the following correction)] Bircks W, et al.
Langenbecks Arch Chir 323:641-51, 1968 (Ger)
[Surgery of the transposition of great vessels in newborns] Hoffmeister HE.
Thoraxchirurgie 18:310-4, Aug 70 (Ger)
[Technic of atrioseptectomy for the palliative treatment of large vessel transposition] Rastan H.
Thoraxchirurgie 18:389-93, Oct 70 (Ger)
[Transposition of the great vessels. Palliative surgical treatment] Azzolina G, et al.
Minerva Cardioangiol 18:576-84, Oct 70 (Ita)
[Mustard surgery in complete transposition of the great vessels] Arai T.
Jap J Thorac Surg 23:862-7, Dec 70 (Jap)
[Surgical anatomy of corrected transposition of the great vessels with ventricular septal defect or a single ventricle] Shotsu A, et al.
Jap J Thorac Surg 24:312-21, May 71 (Jap)
[Glenn's operation of dextrocardia and transposition of great vessels: superior vena cava-pulmonary artery anastomosis] Tatsuno K, et al.
Shujutsu 25:197-205, Feb 71 (Jap)
[Surgical treatment of the transposition of the great vessels of the base. Indications and results] Febres JP, et al. Arq Bras Cardiol 23:407-14, Dec 70 (Por)
[Therapeutic possibilities in infants with genuine transposition of great vessels] Vitek B, et al.
Bratisl Lek Listy 54:702-6, Dec 70 (Slo)

THERAPY

[Nonsurgical atrioseptomy in the palliative treatment of transposition of the great vessels and right hypoplasia (Rashkind's technic)] Iriarte M, et al.
Rev Esp Cardiol 24:115-25, Jan-Feb 71 (Spa)

VETERINARY

[Congenital transposition of the aorta and pulmonary artery in cattle] Kast A.
Zentralbl Veterinaermed [A] 17:780-95, Nov 70 (Ger)

TRANSSEXUALISM (F2)

Social and economic aspects of transsexualism. Hoenig J, et al. Br J Psychiatry 117:163-72, Aug 70
A developmental approach to disturbances of sex-specific identity. Kestenberg JS.
Int J Psychoanal 52:99-102, 1971
A psychoanalytic study of the desire for sexual transformation ("transsexualism"): the plaster-of-paris man. Socarides CW.
Int J Psychoanal 51:341-9, 1970
Intersexuality and transsexuality. I. Cappon D.
Postgrad Med 48:293-4, Oct 70
Female transsexualism. Christodorescu D.
Psychiatr Clin (Basel) 4:40-5, 1971
A case of female transsexualism. Warner GM, et al.
Psychiatr Q 44:576-87, 1970
A case of female transsexualism. Warner GM, et al.
Psychiatr Q [Suppl] 44:476-87, 1970
Transsexualism and surgical procedures. Block NL, et al. Surg Gynecol Obstet 132:517-25, Mar 71 (63 ref.)
[Assignment of sex?] Perheentupa J.
Duodecim 87:177-80, 1971 (Fin)
[Medico-legal and deontological problems of hermaphroditism and of transsexualism. I] Accard J, et al.
Med Leg Domm Corpor (Paris) 2:343-52, Oct-Dec 69 (Fre)
[Psychiatric and learning theory aspects of transsexualism and transvetism] Kockott G.
Nervenarst 41:387-91, Aug 70 (Ger)
[Psychopathological aspects of transsexualism] Krzyżowski J. Psychiatr Pol 4:421-7, Jul-Aug 70 (Pol)

COMPLICATIONS

Two cases of transsexualism with gonadal dysgenesis. Ionescu B, et al. Br J Psychiatry 119:311-4, Sep 71

DIAGNOSIS

Identity diffusion and the transsexual resolution. Weitzman EL, et al.
J Nerv Ment Dis 151:295-302, Nov 70

OCCURRENCE

Incidence and sex ratio of transsexualism in Sweden. Wålinder J. Br J Psychiatry 119:195-6, Aug 71

SURGERY

Should surgery be performed on transsexuals? Benjamin H. Am J Psychother 25:74-82, Jan 71
The surgical route. Hastings D.
Int J Psychiatry 9:273-5, 1970-71
An emerging entity? Randell J.
Int J Psychiatry 9:275-7, 1970-71
Surgical construction of the vagina and labia in male transsexuals. Edgerton MT, et al.
Plast Reconstr Surg 46:529-39, Dec 70
Transsexualism and surgical procedures. Block NL, et al. Surg Gynecol Obstet 132:517-25, Mar 71 (63 ref.)
[Surgery of hermaphroditism, transsexuality or intersexuality] Thibault M de.
Acta Chir Belg 69:318-36, May 70 (Fre)
[A case of operated transsexualism: psychologic and legal considerations] Dubois JC, et al.
Ann Med Psychol (Paris) 1:677-84, Apr 69 (Fre)

THERAPY

Treatment of transsexualism. Baker HJ, et al.
Curr Psychiatr Ther 10:88-99, 1970
A research strategy. Green R.
Int J Psychiatry 9:269-73, 1970-71
Sex reassignment: reply to discussants. Money J.
Int J Psychiatry 9:281-2, 1970-71
Sex reassignment. Money J.
Int J Psychiatry 9:249-69, 1970-71
Intersexuality and transsexuality. 2. Cappon D.
Postgrad Med 48:287-8, Nov 70
Investigations on a case of male transsexualism. Dellaert R, et al.
Psychother Psychosom 17:89-107, 1969

TRANSUDATES see under EXUDATES AND TRANSUDATES (A12)

TRANSVESTISM (F2)

Psychiatric symptomatology in transvestites. Bentler PM, et al. J Clin Psychol 26:434-5, Oct 70
[In defiance of nosology] Koupernik C.
Rev Neuropsychiatr Infant Suppl:5-8, 1968 (Fre)
[Psychiatric and learning theory aspects of transsexualism and transvetism] Kockott G.
Nervenarst 41:387-91, Aug 70 (Ger)
[Transvestitinal behavior in childhood] Kujath G.
Prax Kinderpsychol Kinderpsychiatr 20:117-25, May-Jun 71 (Ger)

DIAGNOSIS

The term "transvestism". Stoller RJ.
Arch Gen Psychiatry 24:230-7, Mar 71

PHYSIOPATHOLOGY

[The role of the limbic system in the pathogenesis of transvestism] Spöte HF.
Psychiatr Neurol Med Psychol (Leipz) 22:339-44, Sep 70 (Ger)

TRANYLCYPROMINE (D6)

ADMINISTRATION & DOSAGE

Tranylcypromine-trifluoperazine combination in the treatment of schizophrenia. Hedberg DL, et al.
Am J Psychiatry 127:1141-6, Mar 71
[Successful treatment of central serous retinopathy by tranexamic acid injection] Miyashita S, et al.
Acta Soc Ophthalmol Jap 75:603-8, 20 Jan 71 (Jap)

ADVERSE EFFECTS

Local anaesthesia and cigarette smoking. Woods R.
Aust Dent J 15:332-3, Aug 70
A case of malignant hyperpyrexia. Huska L, et al.
Can Med Assoc J 103:961-2, 24 Oct 70
[Neuroleptic treatment at the onset of pregnancy and sacro-coccygeal teratoma of the fetus] Bergamaschi P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:316-8, 1968 (Fre)

PHARMACODYNAMICS

Anticonvulsant effect of phencarbamide and its modification by reserpine and tranylcypromine. Madan BR, et al.
Arch Int Pharmacodyn Ther 190:155-8, Mar 71
Monoamine oxidase inhibiting properties of AB-15--comparison with tranylcypromine, nialamide and pargyline. Huszti Z, et al.
Biochem Pharmacol 18:2293-301, Oct 69
Lipomobilization effect of nonhydrazine type of monoamine oxidase inhibitors. Kypson J, et al.
Biochem Pharmacol 18:2565-72, Oct 69
Role of brain monoamines in the interaction between pethidine and tranylcypromine. Rogers KJ.
Eur J Pharmacol 14:86-8, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The effect of nialamide, pargyline and tranylcypromine on the removal of amphetamine by the perfused liver. Trinker FR, et al. J Pharm Pharmacol 22:496-9, Jul 70
Comparative behavioral and biochemical effects of tranylcypromine and cysteine on normal controls and schizophrenic patients. Narasimhachari N, et al. Life Sci [I] 9:1021-32, 15 Sep 70
Metabolic effects of nitroglycerin and tranylcypromine in unanesthetized rabbits. Kypson J, et al. Proc Soc Exp Biol Med 136:285-9, Jan 71
[Comparative results of a pharmacological study of autostimulation in hypothalamic and ventral mesencephalic regions] Stinus L, et al. J Physiol (Paris) 63:97A-98A, Mar-Apr 71 (Fre)

TRASENTINE see ADIPHENINE (D5)

TRASYLOL see under KALLIKREIN-TRYPSIN INACTIVATOR (D7, D9)

TRAUMA see under WOUNDS AND INJURIES (C14)

TRAVEL (E2)

Cholera: the risk to American Travelers. Gangarosa EJ, et al. Ann Intern Med 74:412-5, Mar 71
Change in cholera vaccination requirement. Ann Intern Med 74:447, Mar 71
Changes in the self concepts of school-leavers who participated in an Arctic expedition. Payne J, et al. Br J Educ Psychol 40:211-6, Jun 70
Cholera in Britain. Maegraith B. Br Med J 4:114-5, 10 Oct 70
Brucellosis and the British Tourist Industry. Williams E. Br Med J 3:45-6, 3 Jul 71
The jet set. Br Med J 4:759-60, 26 Dec 70
Exotic disease. Br Med J 3:1-2, 3 Jul 71
Immunization and health information for international travel. Calif Med 114:55-7, Jan 71
Air travel in the jet age. Bergin KG. Community Health (Bristol) 1:21-3, Jul-Aug 69
The traveller abroad. Jopling WH. Community Health (Bristol) 1:14-20, Jul-Aug 69
The medical aspects of foreign travel. Knight R. Community Health (Bristol) 1:5-13, Jul-Aug 69
Vaccination for foreign travel. Roodyn L. Community Health (Bristol) 2:291-8, May-Jun 71
Medical care abroad. Taylor JL. Community Health (Bristol) 1:24-8, Jul-Aug 69
Professional continuing education--and deductibility of related travel expense under the U.S. income tax code. Edelman A. Conn Med 35:83-7, Feb 70
Immunization requirements for travelers. Garber HJ. Md State Med J 20:130-2, Jul 71
The internal clock of the international jet traveller. O'Donnell DR. Med J Aust 1:1227-30, 5 Jun 71
Travelers' diarrhea. Med Lett Drugs Ther 13:14-5, 19 Feb 71
The mental health of commuter college students: a partial test of Kysar's hypothesis. Bown OH, et al. Ment Hyg 52:354-9, Jul 68
Children's attitudes toward a family move. Lehr CJ, et al. Ment Hyg 52:381-5, Jul 68
Have you tried an early holiday abroad? Jolles KE. Nurs Times 67:459-61, 15 Apr 71
Imported disease. Maegraith B. Practitioner 206:816-9, Jun 71
Safe travel. Turner AC. Practitioner 206:819-21, Jun 71
Exotic diseases and the traveller. Weller WA. Practitioner 206:815-6, Jun 71
Radiation exposure in air travel. Schaefer HJ. Science 173:780-3, 27 Aug 71
Travelogue 1969. Leake CD. Tex Rep Biol Med 28:3-11, Spring 70
Visitation and vacation rates of the institutionally retarded. Burrows RE, et al. Train Sch Bull (Vinel) 65:106-11, Nov 68
Imported schistosomiasis. Bianchi L, et al. Trans R Soc Trop Med Hyg 64:650-1, 1970
Time zone transitions and business executives. Conroy RT. Trans Soc Occup Med 21:69-72, Jul 71
Immunisation requirements for international travel. Peffers AS. Trans Soc Occup Med 20:87-93, Jul 70
Keeping fit in world wide business and holiday travel. Turner AC. Trans Soc Occup Med 20:94-7, Jul 70
[Problems raised by the sleep debt, sleep reserve and sleep adaptation while crossing time meridians] Fischgold H. Arch Mal Prof 32:395-6, Apr-May 71 (Fre)
[Technics for the study of the circadian rhythm behavior of renal function before, during and after global flights] Gerritzen F, et al. Arch Mal Prof 32:388-9 passim, Apr-May 71 (Fre)
[Physiological effects of transmeridian flights] Ghata J. Arch Mal Prof 32:385-8 passim, Apr-May 71 (Fre)
[Evaluation of circadian desynchronization during transmeridian flights] Reinberg A. Arch Mal Prof 32:390-3, Apr-May 71 (Fre)
[Influence of intercontinental flights on the urinary excretions of steroid metabolites] Strengers T. Arch Mal Prof 32:389 passim, Apr-May 71 (Fre)
[Advices to travellers going to tropical countries] Perin M. Therapeutique 47:505-7, May 71 (Fre)
[Unforgettable journey of 4 future prominent physicians] Desjardins E. Union Med Can 98:1728-33, Oct 69 (Fre)
[Fatal Leishmaniasis visceralis (Kala Azar) in vacationists to the Mediterranean] Heilmann K, et al. Dtsch Med Wochenschr 96:36-8, 1 Jan 71 (Ger)
[Effect of static and dynamic climatic values in vacation trips] Amelung W. Internist (Berlin) 2:262-5, Jul 71 (Ger)
[Fitness for travel to warm countries with reference to climatic stress] Diesfeld HJ. Internist (Berlin) 2:266-72, Jul 71 (Ger)
[Is coccidioidomycosis now also brought into Germany?] Rieth H. Mykosen 11:821-3, 1 Nov 68 (Ger)
[Travel-therapy. An experience report] Dischereit J. Nervenarzt 42:440-2, Aug 71 (Ger)
[Before and after a tropical trip] Meyer HE. Praxis 60:355-68, 23 Mar 71 (Ger)
[Psychiatric diseases abroad, with a special reference to vacations] Prokop H. Schweiz Arch Neurol Neurochir Psychiatr 107:363-88, 1970 (Ger)
[The prepared holiday landscape. The sense of nature in modern tourism] Wagner FA. Ther Ggw 109:1063-4 passim, Aug 70 (Ger)
[Problems and experiences in tropical medicine in the DDR, presented from the Rostock material] Ziegler K. Z Gesamte Inn Med 24:Suppl:67-71, 1 Jan 69 (Ger)
[Effect of migration and other factors on the intensity of the course of the epidemic process] Bezdenezhnykh IS, et al. Zh Mikrobiol Epidemiol Immunobiol 47:5-8, Jul 70 (Rus)
[Transportation service and coordination in problems of the handicapped] Brattgård SO. Lakartidningen 67:5326-7, 11 Nov 70 (Swe)

ADVERSE EFFECTS

[Diarrhea during travel to warm countries] Dennig H. Internist (Berlin) 2:276-80, Jul 71 (Ger)
[Hazards of mass torism and tourism research from the public health viewpoint] Hittmair AM. Internist (Berlin) 2:266-8, Jul 71 (Ger)

TREACHER-COLLINS SYNDROME see MANDIBULOFACIAL DYSOSTOSIS (C3, C16)

TRECATOR see ETHIONAMIDE (D3)

TREES (B6)

The mulberry tree: a neglected factor in respiratory allergy in Southern California. Targow AM. Ann Allergy 29:218-22, Jun 71
Incidence of heat-resistant molds in eastern orchards and vineyards. Splittstoesser DF, et al. Appl Microbiol 21:335-7, Feb 71
sym-Homospermidine, a naturally occurring polyamine. Kuttan R, et al. Biochemistry 10:361-5, 2 Feb 71
Persistence of captan and its effects on microflora, respiration, and nitrification of a forest nursery soil. Agnihotri VP. Can J Microbiol 17:377-83, Mar 71
The microflora of peach bark and its possible relation to perennial canker (Leucostoma cincta (Fr.) v. Hohnel (Valsa cincta)). Wensley RN. Can J Microbiol 17:333-7, Mar 71
Christmas tree allergy. Richards RN. Can Med Assoc J 104:533, 20 Mar 71
Christmas tree allergy: mould and pollen studies. Wyse DM, et al. Can Med Assoc J 103:1272-6, 5 Dec 70
Increasing cold resistance of stem sections of Cornus stolonifera by artificial dehydration. A preliminary report. Li PH, et al. Cryobiology 8:108-11, Feb 71
Testosterone, epitestosterone and androstenedione in the pollen of Scotch pine P. silvestris L. Saden-Krehula M, et al. Experientia 27:108-9, 15 Jan 71
Distribution of fallout and natural gamma radionuclides in litter, humus and surface mineral soil layers under natural vegetation in the Great Smoky Mountains, North Carolina-Tennessee. Ritchie JC, et al. Health Phys 18:479-89, May 70
Regionalization of the physiological effect of mistletoe infection. Misra PC. Indian J Exp Biol 8:234-5, Oct 70
Evaluation of chamise (Adenostoma fasciculatum) and interior live oak (Quercus wislizenii) as feed for sheep. Wilson AD, et al. J Anim Sci 32:1042-5, May 71
A reevaluation of extruded nucleoli in sieve elements. Deshpande BP, et al. J Ultrastruct Res 33:483-94, Dec 70
Chemical control of tree roots in sewer lines. Ahrens JF, et al. J Water Pollut Control Fed 42:1643-55, Sep 70
The genus Mitragyna. Shellard EJ. Pharm Weekbl 106:224-36, 19 Mar 71
A comparison of rhizosphere floras in conifer beds treated with fungitoxicants. Vaartaja O, et al. Zentralbl Bakteriol [Naturwiss] 124:157-64, 1970
[Allergy to pine pollen: illusion or reality?] Mallet JR, et al. J Fr Med Chir Thorac 25:369-73, May-Jun 71 (Fre)
[Gilletiodendron glanduloseum (Portères) J. Leonard (Césalpiniacées). Identification of a neurotoxic principle] Soyfer JC, et al. Med Trop (Mars) 29:615-6, Sep-Oct 69 (Fre)
[Substances contained in horse-chestnut seeds. 8. The acylaglycones of cryptoescin and alpha-escin] Wagner J, et al. Hoppe Seylers Z Physiol Chem 351:1133-40, Sep 70 (Ger)
[Microbiological properties of a gneiss brown soil under deciduous and coniferous forest cover] Fiedler HJ, et al. Zentralbl Bakteriol [Naturwiss] 124:292-300, 1970 (Ger)
[Parasitic seedling diseases of forest trees and the soil fungi] Mańka K. Zentralbl Bakteriol [Naturwiss] 124:459-9, 1970 (Ger)
[Testing of pesticide effect on the mycorrhiza fungi in forest soils] Sobotka A. Zentralbl Bakteriol [Naturwiss] 125:723-30, 1970 (Ger)
[Experimental granulomatous reactions to pine-tree pollen] Arienzo R, et al. Boll Soc Ital Biol Sper 45:1335-7, 15 Nov 69 (Ita)
[Pollinosis. 3. The significance of oak (genus Quercus) in pollinosis] Furuya K. Jap J Allergy 19:918-30, Dec 70 (Jap)
[Planning, construction and landscaping of city streets in Central Asia] Kuz'mina TF. Gig Sanit 35:21-3, Nov 70 (Rus)
[Chemical study of flavonoids from the leaves of Sapindus Mukorossi Gaerth] Zikova Nia, et al. Farm Zh 25:43-5, 1970 (Ukr)
[Oligonitrophilic bacteria in pine rhizosphere in the northern steppe of the Ukrainian SSR] Pishokha NP. Mikrobiol Zh 32:565-9, Sep-Oct 70 (Ukr)

ANALYSIS

Pharmacological action of the biflavonoids fromthe gymnosperms with special reference to Ginkgo biloba, L. A survey. Ramaswamy AS. J Indian Med Assoc 55:163-5, 1 Sep 70

ANATOMY & HISTOLOGY

:Description of the form of trees by the parameters of the tree-like body: effects of the branching angle and the branch length on the sample of the tree-like body. Honda H. J Theor Biol 31:331-8, May 71
Trees and streams: the efficiency of branching patterns. Leopold LB. J Theor Biol 31:339-54, May 71

DRUG EFFECTS

[The relationship between Cd and Zn contents and the annual ring of sugi tree in the basin of the Jinzu River] Ishizaki A, et al. Jap J Hyg 25:376-82, Oct 70 (Jap)

ENZYMOLOGY

Enzyme changes during deacclimation of willow stem. Hall TC, et al. Cryobiology 7:130-5, Sep-Oct 70
[Enzymatic kinetics of 3-indolylacetic oxidases of 2 cell lines of Acer pseudoplatanus L. dependent or independent on auxin] Lescure AM. Bull Soc Chim Biol (Paris) 52:953-78, 1970 (Fre)
[Oxidation of phlorhizin by o-diphenol oxidase in apple buds] Sarapuu L, et al. Biokhimiia 36:8-17, Jan-Feb 71 (Rus)

GROWTH & DEVELOPMENT

An ecological survey of yeasts within a cider apple orchard. Davenport RR. Antonie van Leeuwenhoek 35:Suppl:D9-10, Jun 69

METABOLISM

Influence of some -SH group effectors on the incorporation of mevalonic acid by Pinus pinaster seedlings. Garcia-Peregrin E, et al. Rev Esp Fisiol 26:209-15, Sep 70
Rate of acetate and mevalonate incorporation by extracts of Pinus pinaster seedlings. Garcá-Peregrín E, et al. Rev Esp Fisiol 27:15-22, Mar 71
[Features and quantitative prognostication of the accumulation of Sr90 in trees] Aleksakhin RM, et al. Dokl Akad Nauk SSSR 193:1192-4, 1970 (Rus)
[Experimental data on the accumulation of DDT and Lindane (gamma isomer of hexachlorocyclohexane) in flora and fauna after chemical treatment of forests] Belonozhko GA, et al. Gig Sanit 35:91-3, Feb 70 (Rus)

RADIATION EFFECTS

The effect of ionizing radiation on the reproductive capacity of forest trees. Mergen F, et al. Health Phys 19:37-45, Jul 70

TREMATODA (B1)

Histochemical observations on the spermatogenesis of the trematode, Paramphistomum (Explanatum) bathycotyle. Guraya SS, et al. Acta Morphol Neerl Scand 8:19-27, Sep 70
The hamster as a laboratory host for Plagiorchis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

proximus (Barker, 1915). Rachford FW.
J Parasitol 56:1137, Dec 70
Haemoglobin in a monogenean, Oculotrema hippopotami. Thurston JP.
Nature (Lond) 228:578-9, 7 Nov 70
Locomotion of the cercaria of Parorchis acanthus, Nicoll and the ultrastructure of the tail. Rees G.
Parasitology 62:489-503, Jun 71
The ultrastructure of the epidermis of the redia and cercaria of Parorchis acanthus, Nicoll. A study by scanning and transmission electron-microscopy. Rees G. Parasitology 62:479-88, Jun 71
Histological and histochemical studies of a new species of Thapariella (Trematoda: digenea). Gupta AN, et al.
Riv Parassitol 31:169-74, Sep 70
Metacercaria of Proalarioides tropidonotis Vidjarthe, 1937 (Trematoda: Proterodiplostomidae) from the fish, Ophiocephalus marulius (Ham.) in India. Karyakarte PP. Riv Parassitol 31:69-70, Mar 70
Mehratrema skrjabini sp. n. (Trematoda: Monodheiminthidae) from the fish, Therapon puta (Cuv. and Val.) in India. Karyakarte PP.
Riv Parassitol 30:27-30, Mar 69
Studies on the monogenetic trematodes of fishes found in Hyderabar, Andhara Pradesh (India). 3. Kulkarni T.
Riv Parassitol 31:15-28, Mar 70
Studies on the monogenetic trematodes of fishes found in Hyderabad, Andhra Pradesh (India). I. Kulkarni T.
Riv Parassitol 30:73-90, Jun 69
Some avian digenetic trematodes of eastern Venezuela. Nasir P, et al. Riv Parassitol 31:107-12, Jun 70
A revision of genus Lecithochirium Luehe, 1901, and redescription of L. monticelli (Linton, 1898) Skrjabin and Guschanskaja, 1955. Nasir P, et al.
Riv Parassitol 32:27-36, Mar 71
Lecithobotrys vitellosus n. sp. (Haploporidae: Trematoda) from India. Sharma PN, et al.
Riv Parassitol 31:175-8, Sep 70
Keratin in the EGG shells of amphistomes; histochemical differentiation from quinone tanned protein in other trematoda. Madhavi R.
Stain Technol 46:105-9, May 71

ANATOMY & HISTOLOGY

Cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. V. Ultrastructure of Schistosomatium douthitti gut. Shannon WA Jr, et al. Exp Parasitol 26:344-53, Dec 69
Paratelphusa rugosa as the second intermediate host of Achilluribainia, a trematode transmissible to man. Kannangara WW. J Parasitol 57:883-4, Jun 71
Nerve sheath in Multicotyle purvisi Dawes. Rohde K. Naturwissenschaften 57:502-3, Oct 70
[Microphallidae Travassos 1920 (Trematoda). XXI. Androcotyla arenariae n. gen., n.sp] Deblock S, et al.
Ann Parasitol Hum Comp 45:577-84, Sep-Oct 70 (Fre)
[Presence, in the Pyrenées, of Skrjabinophyetus neomydis E. Dimitrova and T. Genov 1967, a digenic parasite of the water sherew, Neomys fodiens (Pennant)] Euzet L, et al.
Ann Parasitol Hum Comp 45:585-9, Sep-Oct 70 (Fre)
[3 new species of Hexabothriidae (Monogenea), parasites of the selachiansof the Lion Gulf] Maillard C.
Ann Parasitol Hum Comp 45:563-76, Sep-Oct 70 (Fre)
[Microphallidae Travassos, 1920. Trematoda. XX. Megalophallus carcini n. sp., experimental adult from a metacercaria of Carcinus maenas Pennant] Prevot G, et al.
Ann Parasitol Hum Comp 45:213-22, Mar-Apr 70 (Fre).

CLASSIFICATION

Studies on digenetic Trematodes of Vertebrates. I. On four trematode parasites of turtles. Jahan A.
Ann Parasitol Hum Comp 45:793-803, Nov-Dec 70
Renicolid trematodes (digenea) from the renal tubules of birds. Stunkard HW.
Ann Parasitol Hum Comp 46:109-18, Jan-Feb 71 (25 ref.)
Glaucivermis spinosus gen. et sp. n. (Digenea: Zoogonidae) from the southern kingfish, Menticirrhus americanus (Linnaeus), in the coastal waters of Mississippi. Overstreet RM.
J Parasitol 57:836-8, Jun 71
On two species of Eumegacetes (Trematoda: lecithodendriidae) from the common myna, Acridotheres tristis (Linaeus) in India with a note on the systematic position of the genus. Karyakarte PP.
Riv Parassitol 30:31-4, Mar 69
[New systemic place of Microphallus dicoecus and M. indicus sensu Mukherjee and Ghosh, 1967] Deblock S, et al.
Ann Parasitol Hum Comp 45:203-11, Mar-Apr 70 (Fre)
[Contribution to the study of Microphallidae Travassos, 1930 (Trematoda) XXII. 2 Levenseniella, 1 new Lev. (Monor (Monarrhenos) monodactyla. Attempted systematic key for species of the genus] Deblock S, et al.
Ann Parasitol Hum Comp 45:773-91, Nov-Dec 70 (Fre)
[The Monogenea: an autonomous class or a subclass of trematoda?] Dubois G.
Ann Parasitol Hum Comp 45:247-50, Mar-Apr 70 (Fre)
[Strigeata (Trematoda) of the A. Lutz' collection] Dubois G.
Mem Inst Oswaldo Cruz 68:169-96, 1970 (Fre)
[The fundamentals of classification of Strigeata La Rue (Trematoda: Strigeida)] Dubois G.
Rev Suisse Zool 77:863-85, 1970 (Fre)
[Notes on helminthology. II. Diplostomatidae Poirier et Cyathocotylidae Poche (Trematoda)] Dubois G.
Rev Suisse Zool 76:3-21, Mar 69 (Fre)
[Intraspecific variations of Brachylaema fuscata (Rudolphi, 1819). Taxonomically valid characteristics for specific diagnosis] Macchioni G.
Acta Med Vet (Napoli) 16:45-71, Jan-Apr 70 (Ita)
[Revision of the genus Hippocrepis Travassos, 1922 (Trematoda)] Kohn A, et al.
Mem Inst Oswaldo Cruz 68:1-8, 1970 (Por)
[Trematoda of Brazil] Travassos L, et al.
Mem Inst Oswaldo Cruz 67:1-886, 1969 (Por)
[Furcocercaria from fresh-water mollusca of the Amu Darya delta. II] Arystanov E.
Vestn Leningr Univ [Biol] 4:7-14, 1968 (Rus)

CYTOLOGY

Gorgoderina attenuata: cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. Davis DA, et al.
Exp Parasitol 29:320-9, Apr 71
Cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. 8. Acid phosphatase activity in Schistosoma mansoni and Schistosomatium douthitti. Gogitsh BJ, et al.
Exp Parasitol 29:337-47, Apr 71
Megalodiscus temperatus: comparative radioautography of glucose-3H and galactose-3H incorporation. Shannon WA Jr, et al.
Exp Parasitol 29:309-19, Apr 71
A description of newly discovered intestinal parasites endemic to northeastern Thailand. Manning GS, et al.
J Med Assoc Thai 54:466-74, Jul 71
The distribution and fine structure of the integumentary papillae of the cercaria of Himasthla secunda (Nicoll). Chapman HD, et al.
Parasitology 61:219-27, Oct 70

DRUG EFFECTS

[Mechanism of action of trichlorophene] Rusak LV, et al. Med Parazitol (Mosk) 39:421-6, Jul-Aug 70 (Rus)

ENZYMOLOGY

Histochemical distribution and functional significance of alkaline phosphatase in the epidermis of certain digenetic trematodes. Sharma PN, et al.
Acta Biol Acad Sci Hung 21:369-74, 1970
Haematoloechus medioplexus: enzymatic oxidation of 3,3'-diaminobenzidine in mitochondria. Bogitsh BJ, et al. Exp Parasitol 28:186-93, Oct 70
Arylsulfatase activity in Gorgoderina attenuata and Haematoloechus medioplexus: cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. Davis DA, et al.
Exp Parasitol 29:302-8, Apr 71

GROWTH & DEVELOPMENT

Gametogenesis in Paramphistomum microtothrium Fischoeder, 1901. Sey O.
Acta Vet Acad Sci Hung 21:93-106, 1971
Paramphistomiasis of domestic ruminants. Horak IG.
Adv Parasitol 9:33-72, 1971 (83 ref.)
Biology of Nanophyetus salmincola and "salmon poisoning" disease. Millemann RE, et al.
Adv Parasitol 8:1-41, 1970 (80 ref.)
Studies on Echinochasmus perfoliatus (Ratz, 1908) Dietz, 1909: incidence in dogs and development of the miracidium. Sahai BN, et al.
J Helminthol 44:315-30, 1970
Excystation of metacercariae of Posthodiplostomum minimum minimum Hoffman, 1958, and their development in the chick and on the chorioallantois. Fried B. J Parasitol 56:944-6, Oct 70 -
[An epizootic with larvae of Bucephalus mytili Cole, affecting natural and cultivated populations of Mytilus edulis L. of the region of Coutances (Manche)] Breton G.
C R Acad Sci [D] (Paris) 271:1049-52, 21 Sep 70 (Fre)
[Evolutive cycle of Calnocreadium labracis (Dujardin, 1845) (Trematoda, Allocreadiidae)] Maillard C.
C R Acad Sci [D] (Paris) 272:3303-6, 28 Jun 71 (Fre)
[The modifying effect of the final host on the development of the intestinal fluke, Isthiophora melis (Schrank, 1788). 3. Development in the brown rat (Rattus norvegicus), a natural final host] Dönges J.
Z Parasitenkd 35:169-72, 1970 (Ger)
[Migration mechanism of metacercaria of Cyclocoelidae (Trematoda) to the localization place in the organism of the final host and probable routes of expulsion of the eggs of the mature helminths] Fefrullaev NA.
Dokl Akad Nauk SSSR 197:734-6, 21 Mar 71 (Rus)

ISOLATION & PURIFICATION

On Gastrodiscoides hominis (Lewis and McConnell, 1876) Leiper, 1913 from pigs 9(Sus scrofa domestica) in Madhya Pradesh, its pathology and public health importance. Shrivastav HO, et al.
Indian J Pathol Bacteriol 13:63-72, Apr 70
"Salmon poisoning" disease. V. Definitive hosts of the trematode vector, Nanophyetus salmincola. Schlegel MW, et al. J Parasitol 54:770-4, Aug 68
Four new trematodes of man from Thailand. Manning GS, et al. Trans R Soc Trop Med Hyg 65:101-2, 1971

METABOLISM

Localization of an insoluble excretory product in Cephalogonimus americanus (Trematoda). Pappas PW. Comp Biochem Physiol 38:713-4, 1 Mar 71
Cytochemical and biochemical observations on the digestive tracts of digenetic trematodes. IV. A radioautographic and histochemical study of iron absorption in Haematoloechus medioplexus. Shannon WA Jr, et al. Exp Parasitol 26:378-83, Dec 69
Some aspects of nutrition in Philophthalmus burrili (Trematoda: Digenea). Howell MJ.
Parasitology 62:133-44, Feb 71

PHYSIOLOGY

[Fixation methods in host finding of Diplostomum spathaceum cercaria (Trematoda)] Haas W.
Naturwissenschaften 58:272-3, May 71 (Ger)

TREMATODE INFECTIONS (C1)

Metacercaria of Proalarioides tropidonotis Vidjarthe, 1937 (Trematoda: Proterodiplostomidae) from the fish, Ophiocephalus marulius (Ham.) in India. Karyakarte PP. Riv Parassitol 31:69-70, Mar 70
A new species of Echinochasmus (Trematoda: Echinostomatidae) from the kite, Milvus migrans (Boddaert), in India. Karyakarte PP.
Riv Parassitol 31:113-6, Jun 70
On two species of Eumegacetes (Trematoda: lecithodendriidae) from the common myna, Acridotheres tristis (Linaeus) in India with a note on the systematic position of the genus. Karyakarte PP.
Riv Parassitol 30:31-4, Mar 69
Mehratrema skrjabini sp. n. (Trematoda: Monodheiminthidae) from the fish, Therapon puta (Cuv. and Val.) in India. Karyakarte PP.
Riv Parassitol 30:27-30, Mar 69
Nephrostomum reticulatum sp. n. (Trematoda: Echinostomatidae) from the egret, Bulbulcus ibis (Linnaeus) in India. Karyakarte PP.
Riv Parassitol 30:91-4, Jun 69
Studies on the monogenetic trematodes of fishes found in Hyderabar, Andhara Pradesh (India). 3. Kulkarni T.
Riv Parassitol 31:15-28, Mar 70
Studies on the monogenetic trematodes of fishes found in Hyderabad, Andhra Pradesh (India). I. Kulkarni T.
Riv Parassitol 30:73-90, Jun 69
Some avian digenetic trematodes of eastern Venezuela. Nasir P, et al. Riv Parassitol 31:107-12, Jun 70
On a new species of the genus Astiotrema Looss, 1900 from the intestine of a fresh water turtle, Trionyx leithi, from Gulburga, Mysore State, India. Simha SS, et al. Riv Parassitol 32:21-5, Mar 71
Studies on the family Rhytidodidae Odhner, 1926, with a description of a new species Rhytidodes indicus, from the intestine of Eretmochelys squamosa, from Rameswaram, India. Simha SS, et al.
Riv Parassitol 30:95-100, Jun 69
Summary of recent abstracts. IX. Helminthiasis. Muller R. Trop Dis Bull 67:1297-306, Nov 70
Trematode infections and cestode infections. Nelson GS. Trop Dis Bull 66:1065-77 concl, Nov 69
[Liver distomatosis and abdominal subcutaneous distomal abscesses in a Nigerian child (Biafran zone)] Chastel C, et al.
Med Trop (Mars) 31:327-32, May-Jun 71 (Fre)
[Egyptian intestinal distomatosis. A case observed in Paris] Rousset JJ, et al.
Presse Med 7:1075-6, 8 May 71 (Fre)
[Frequency of infestation with Stephanostomum (Looss, 1899) sp. larvae in Mullus barbatus (L.) and Mullus surmuletus (L.), fishes in the upper, middle and lower Tyrrhenian sea] Vaccaro A, et al.
Acta Med Vet (Napoli) 15:367-74, Sep-Oct 69 (Ita)

COMPLICATIONS

[Hepatic distomiasis revealed by bone marrow hypereosinophilia] Bastin R, et al.
Ann Med Interne (Paris) 121:827-31, Oct 70 (Fre)
[Hepatic distomatosis. Course of its development with final parasitic obstructive jaundice] Sarria Diaz M.
Rev Esp Enferm Apar Dig 33:697-700, 15 Mar 71 (Spa)

DIAGNOSIS

[Intraspecific variations of Brachylaema fuscata (Rudolphi, 1819). Taxonomically valid characteristics

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

for specific diagnosis] Macchioni G.
Acta Med Vet (Napoli) 16:45-71, Jan-Apr 70 (Ita)
[Clinical picture and pathomorphology of metagonimiasis] Zubov NA, et al.
Med Parazitol (Mosk) 39:392-4, Jul-Aug 70 (Rus)

DRUG THERAPY

[Chloxyl (hexachloro-para-xylol) in experimental therapy of metorchiasis] Piotnikov NN, et al.
Med Parazitol (Mosk) 40:81-3, Jan-Feb 71 (Rus)

IMMUNOLOGY

On the resistance of the snail, Lymnaea catascopium palilda (Adams) to concurrent infection with sporocysts of the strigeid trematodes, Cotylurus flabelliformis (Faust) and Diplostomum flexicaudum (Cort and Brooks). Anteson RK.
Ann Trop Med Parasitol 64:101-7, Mar 70

OCCURRENCE

An analysis of the prevalence of Fasciolopsis buski in central Thailand using catalytic models. Manning GS, et al. Am J Epidemiol 93:354-60, May 71
On Gastrodiscoides hominis (Lewis and McConnell, 1876) Leiper, 1913 from pigs 9(Sus scrofa domestica) in Madhya Pradesh, its pathology and public health importance. Shrivastav HO, et al.
Indian J Pathol Bacteriol 13:68-72, Apr 70
Paratelphusa rugosa as the second intermediate host of Achilurbainia, a trematode transmissible to man. Kannangara WW. J Parasitol 57:683-4, Jun 71
[Helminthic infections among school children in Hsi-hu District of Miao-li Prefecture, Taiwan] Chou CH, et al.
J Formosan Med Assoc 69:484-8, 28 Sep 70 (Chi)

PATHOLOGY

[Clinical picture and pathomorphology of metagonimiasis] Zubov NA, et al.
Med Parazitol (Mosk) 39:392-4, Jul-Aug 70 (Rus)

PREVENTION & CONTROL

[Distomiasis in Madagascar: use of molluscacides in the campaign against Lymnaea natalensis hovarum (intermediate host of Fasciola gigantica)] Daynes P.
Rev Elev Med Vet Pays Trop 22:385-92, 1969 (Fre)

VETERINARY

Paramphistomiasis of domestic ruminants. Horak IG.
Adv Parasitol 9:33-72, 1971 (83 ref.)
Biology of Nanophyetus salmincola and "salmon poisoning" disease. Millemann RE, et al.
Adv Parasitol 8:1-41, 1970 (80 ref.)
Fascioloides magna (Bassi, 1875) Ward, 1917 (Trematoda) in woodland caribou, Rangifer tarandus caribou (Gmelin), of northeastern Quebec, and its distribution in wild ungulates in Canada. Choquette LP, et al. Can J Zool 49:280-1, Feb 71
Alaria arisaemoides in Saskatchewan dogs. Allen JR, et al. Can Vet J 12:24-8, Jan 71
On Gastrodiscoides hominis (Lewis and McConnell, 1876) Leiper, 1913 from pigs 9(Sus scrofa domestica) in Madhya Pradesh, its pathology and public health importance. Shrivastav HO, et al.
Indian J Pathol Bacteriol 13:68-72, Apr 70
Observations on the treatment of amphistomiasis in sheep. Nath D. Indian Vet J 48:653-5, Jun 71
Salmon poisoning in a dog fed Kippered salmon. Farrell RK, et al. J Am Vet Med Assoc 152:370-1, 15 Feb 68
Studies on Echinochasmus perfoliatus (Ratz, 1908) Dietz, 1909: incidence in dogs and development of the miracidium. Sahai BN, et al.
J Helminthol 44:315-30, 1970
Effect of the "salmon poisoning" trematode, Nanophyetus salmincola, on the swimming ability of juvenile salmonid fishes. Butler JA, et al.
J Parasitol 57:860-5, Aug 71
Excystation of metacercariae of Posthodiplostomum minimum minimum Hoffman, 1958, and their development in the chick and on the chorioallantois. Fried B. J Parasitol 56:944-6, Oct 70
Glaucivermis spinosus gen. et sp. n. (Digenea: Zoogonidae) from the southern kingfish, Menticirrhus americanus (Linnaeus), in the coastal waters of Mississippi. Overstreet RM.
J Parasitol 57:536-8, Jun 71
The occurrence and distribution of the digenetic trematode Collyricium faba (Bremser in Schmalz, 1831). Stunkard HW. J Parasitol 57:682-3, Jun 71
Incidence of the trematode family Cyclocoelidae in some North American birds. Taft SJ.
J Parasitol 57:831, Aug 71
Helminths from Peromyscus leucopus and P. maniculatus in West Virginia. Zenchak JJ, et al.
J Parasitol 57:542, Jun 71
Burnellus gen.nov. (Digenea: Fellodistomatidae), the life history of the type-species, B. trichofurcatus (Johnston & Angel, 1940), and a note on a related species, Tandanicola bancrofti Johnston, 1927, both from the Australian freshwater catfish, Tandanus tandanus. Angel LM. Parasitology 62:375-84, Jun 71
Trematode cataract in fresh-water fish. Ashton N, et al.
Trans Ophthalmol Soc UK 89:263-78, 1970
Paramphistomiasis of cattle and buffaloes in Iraq. Kurtpinar H, et al. Vet Rec 87:668, 21 Nov 70
The liver-fluke Platynosomum fastosum in domestic cats. Retnasabapathy A, et al.
Vet Rec 88:62-5, 16 Jan 71
[Fresh water basommatophore pulmonate molluscs, vectors of livestock parasitic diseases in Chad; their breeding in the laboratory] Birgi E, et al.
Rev Elev Med Vet Pays Trop 22:393-408, 1969 (Fre)
[Effect of Nitroxynil on different parasites of zebu cattle in Central Africa] Guilhon J, et al.
Rev Elev Med Vet Pays Trop 23:347-59, 1970 (Fre)
[The modifying effect of the final host on the development of the intestinal fluke, Isthiophora melis (Schrank, 1788). 3. Development in the brown rat (Rattus norvegicus), a natural final host] Dönges J.
Z Parasitenkd 35:169-72, 1970 (Ger)
[Intestinal paramphistomiasis in ruminants. Experimental infection of sheep with metacercariae and immature forms of Paramphistomum cervi (Schrank, 1790)] Arru E, et al.
Riv Parassitol 31:33-42, Mar 70 (Ita)
[Trematode infections of ruminants in Uzbekistan] Azimov ShA, et al. Veterinariia 8:81-3, Aug 70 (Rus)
[Epizootology of eurytrematosis in ruminants in Amur District] Dvoriadkin VA.
Veterinariia 10:77-9, Oct 70 (Rus)
[Hepatic parasitic infections by trematodes in Rorcual de Rudolphi (Cetacea) captured in Chile] Alvarez V, et al. Bol Chil Parasitol 25:2-5, Jan-Jun 70 (Spa)

TREMBLES see under PLANT POISONING (C14)

TREMOR (C10)

Superior oblique myokymia. Report and discussion on five cases of benign intermittent unilocular microtremor. Hoyt WF, et al.
Arch Ophthalmol 84:461-7, Oct 70
A portable system for tremor and e.e.g. recording. Lippold OC, et al. J Physiol (Lond) 208:57P-59P, Jun 70
Tremor of the wrist induced by positive velocity feed-back. Walsh EG.
J Physiol (Lond) 207:16P17P, Mar 70
[Tremors] Sigwald J.
Rev Med Liege 23:689-98, 15 Nov 68 (Fre)
[Analysis of repeated discharges of the same motor unit in outbursts of trembling] Renou G, et al.
Rev Neurol (Paris) 122:420-3, Jun 70 (Fre)
[Tremography method] Bashkirova LS, et al.
Gig Tr Prof Zabol 14:59-61, Sep 70 (Rus)

CHEMICALLY INDUCED

Tremorgenic toxins from Penicillia. I. Colorimetric determination of tremortins A and B. Hou CT, et al.
Anal Biochem 37:422-8, Oct 70
Antagonism of acecilidine-induced tremor, analgesia, hypothermia, salivation and lacrimation by some pharmacologic agents. Chiang TS, et al.
Arch Int Pharmacodyn Ther 189:295-305, Feb 71
Metallic mercury induced tremor in rabbits and mercury content of the central nervous system. Fukuda K. Br J Ind Med 28:308-11, Jul 71
Ontogenesis of drug-induced tremor in the rat. Henderson GL, et al.
J Pharmacol Exp Ther 175:113-20, Oct 70
Galactorrhea and Parkinson-like syndrome: an adverse effect of alpha-methyldopa. Vaidya RA, et al.
Metabolism 19:1068-70, Dec 70
Correlative neuroanatomical and neuropharmacological study of tremor and catatonia in the monkey. Larochelle L, et al.
Neuropharmacology 10:273-88, May 71
[Age dependent differences in the action and metabolization of tremorine and oxotremorine in chicks] Zimmermann B, et al.
Acta Biol Med Ger 25:161-7, 1970 (Ger)

COMPLICATIONS

Vibratory syringomyelic condition. Eskenasy JJ.
Folia Psychiatr Neurol Jap 24:239-90, 1970 (83 ref.)

DIAGNOSIS

[Attempted differential diagnosis of tremor and clonus in newborns and other infants] Sternberg B, et al.
Rev Neurol (Paris) 123:330-1, Nov 70 (Fre)
[Methods of recording Parkinsonian tremor] Gawrońska I, et al.
Neurol Neurochir Pol 5:63-8, 1971 (Pol)

DRUG THERAPY

Effects of beta blockade on the peripheral manifestations of thyrotoxicosis. Grossman W, et al.
Ann Intern Med 74:875-9, Jun 71
The effect of DL dopa on harmaline induced tremor and on resting tremor in monkeys with tegmental lesions. Battista AF, et al. Confin Neurol 32:332-40, 1970
Effective response to thiamine hydrochloride on foot tremors of narcotic addicts. Boyce AJ, et al.
J Am Podiatry Assoc 61:163-7, Mar 71
Inefficacy of tryptophan-pyridoxine in essential tremor. Mozzis CE, et al. Lancet 2:165-6, 17 Jul 71
Drug-induced relief of experimental tremor in monkeys. Goldstein M, et al.
Neurology (Minneap) 20:89-95, Nov 70

ETIOLOGY

Studies on the postural tremor in normal children. Gatev V, et al. Doki Bolg Akad Nauk 22:587-90, 1969
Infantile tremor syndrome--probable etiology. Misra PK, et al. Indian Pediatr 8:62-4, Feb 71
[Postural tremor of the left superior extremity revealing a voluminous meningioma of the contralateral falx (presentation of a patient)] Bonduelle M, et al.
Rev Neurol (Paris) 122:375-6, May 70 (Fre)
[Case of a large basal arachnoid cyst with bobble-head doll syndrome] Sakata K, et al.
Brain Nerve (Tokyo) 23:693-700, Jun 71 (Jap)
[Excitation rhythm of the nerve groups. 3. Tremor and clonus--mechanism of rhythm generation] Oe C.
J Physiol Soc Jap 33:72-4, Feb 71 (Jap)
[The dancing eye syndrome: infantile poliomyoclonus] Popescu F.
Neurol Psihiatr Neurochir 15:559-64, Nov-Dec 70 (Rum)

FAMILIAL & GENETIC

Heredofamilial tremor. A case study. Restak R, et al.
Med Ann DC 40:243-5, Apr 71

METABOLISM

Quaking mouse: in vitro studies of brain sphingolipid biosynthesis. Costantino-Ceccarini E, et al.
Brain Res 29:75-84, 4 Jun 71

PATHOLOGY

Quaking mouse: ultrastructural evidence for arrest of myelinogenesis. Widniewski H, et al.
Brain Res 29:63-73, 4 Jun 71
Brain biopsy in infantile tremor syndrome. Bajpai PC, et al. Indian J Med Res 59:413-8, Mar 71

PHYSIOPATHOLOGY

Tremor at rest following cerebellar lesions in monkeys: effect of L-DOPA administration. Goldberger ME, et al. Brain Res 27:183-7, 19 Mar 71
Rhythmic unit firing in the precentral cortex in relation with postural tremor in a deafferented limb. Joffroy AJ, et al. Brain Res 27:386-9, 2 Apr 71
Pathophysiology of tremor at rest derived from the correlation of anatomical and clinical data. Hassler R, et al. Confin Neurol 32:79-87, 1970
Analysis of repetitive discharges from one motor unit during tremor bursts. Renou G, et al.
Electroencephalogr Clin Neurophysiol 29:532, Nov 70
The effect of load on elbow tremor. Joyce GC, et al.
J Physiol (Lond) 217:36P-37P, Aug 71
Oscillation in the stretch reflex arc and the origin of the rhythmical, 8-12 C-S component of physiological tremor. Lippold OC.
J Physiol (Lond) 206:359-82, Feb 70
Mutual limb stabilization in relation to tremor characteristics in parkinsonian and essential or heredofamilial tremor. Barlow JS, et al.
Neurology (Minneap) 21:78-90, Jan 71
Tremor recording in Parkinson's disease. Meldrum BJ, et al. Phys Med Biol 15:249-54, Apr 70
Physiological tremor. Lippold O.
Sci Am 224:65-73, Mar 71
[Resting tremor in parkinsonism and ventrolateral thalamotomy] Seino O.
Brain Nerve (Tokyo) 22:1281-91, Nov 70 (Jap)
[Application of the correlation method to the analysis of the electrograms of patients with hyperkinesis] Pokrovskaia ZA, et al.
Nov Med Priborostr 1:83-9, 1969 (Rus)

THERAPY

[Treatment of intention tremor with the stereotaxic method] Mempel E.
Neurol Neurochir Pol 5:23-8, 1971 (Pol)

VETERINARY

Spastic, an hereditary neurological mutation in the mouse characterized by vertebral arthropathy and leptomeningeal cyst formation. Meier H, et al.
Exp Med Surg 28:24-38, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TREMORINE (D5)

N-(t-aminoalkynyl)-substituted pyrrolidones as oxotremorine antagonists. Lindgren S, et al. Experientia 26:1232-3, 15 Nov 70

METABOLISM

[Age dependent differences in the action and metabolization of tremorine and oxotremorine in chicks] Zimmermann B, et al. Acta Biol Med Ger 25:161-7, 1970 (Ger)

PHARMACODYNAMICS

Comparison of analgesic, cholinomimetic, anticholinergic and sympathomimetic drugs by means of the hot-plate test. Eick AJ van, et al. Arch Int Pharmacodyn Ther 189:384-7, Feb 71
Responses of the cat nictitating membrane to the central sympathetic activities of cholinergic stimulants. György L, et al. Arch Int Pharmacodyn Ther 190:174-82, Mar 71
Gas chromatographic evaluation of the influence of oxotremorine upon the regional distribution of acetylcholine in rat brain. Campbell LB, et al. J Neurochem 17:1697-9, Dec 70
The effect of drugs influencing amine synthesis on the analgesic action of tremorine. Sethy VH, et al. Psychopharmacologia 19:73-80, 1971
[Amplitude depression caused by dental pulp stimulation of evoked potentials in different brain regions by oxotremorin] Andreas K, et al. Acta Biol Med Ger 26:213-6, 1971 (Ger)
[Age dependent differences in the action and metabolization of tremorine and oxotremorine in chicks] Zimmermann B, et al. Acta Biol Med Ger 25:161-7, 1970 (Ger)
[Effects of some drugs on the intestinal motility of normal and tremorine treated mouse] De Feo G, et al. Farmaco [Prat] 26:123-30, Feb 71 (Ita)

TRENCH FOOT (C14, C17)

COMPLICATIONS

[Occlusion dermatosis following cold injury] Fischer H, et al. Berufsdermatosen 19:152-60, Jun 71 (Ger)

TRENCH MOUTH see VINCENT'S INFECTION

(C1, C4)

TRENIMON see TRIAZIQUONE (D4)

TREPHINING (E4)

A trephining technique for the insertion of Lester Jones tubes. Henderson PN. Arch Ophthalmol 85:448-50, Apr 71
Aboriginal trephination: case from southern New England? Powell BW. Science 170:732-4, 13 Nov 70
[Oculomotor paresis. Trephining in epidural hematoma] Maimros R. Ugeskr Laeger 132:1976-9, 15 Oct 70 (Dan)
[Therapy of epidural hematoma by multiple trephination technic] Yamamoto S, et al. Brain Nerve (Tokyo) 22:1297-300, Nov 70 (Jap)
[Post-trephining cranial defects in children] Cedro A. Pol Tyg Lek 25:1937-9, 14 Dec 70 (Pol)
[Dacryocystorhinostomy using a trephine for the creation of a bony crifice and a needle for placing deep sutures on the mucosa] Starchak MI. Oftalmol Zh 25:269-90, 1970 (Rus)
[Diagnosis of tumors and other bone lesions by the trephine biopsy method] Sukharev VF, et al. Vopr Onkol 16:12-20, 1970 (Rus)
[Hemolytic and toxic activity of some vital products in microflora of trephination wounds] Strokatova NA, et al. Mikrobiol Zh 33:93-6, 1971 (Ukr)

ADVERSE EFFECTS

EEGs in patients with trephine defects. Kendel K, et al. Electroencephalogr Clin Neurophysiol 30:262, Mar 71
[Experimental corneal trepanation with subsequent freezing. II. Study of silver impregnations] Simková M, et al. Sb Lek 72:224-30, Sep 70 (Cze)
[Experimental corneal trepanation with subsequent freezing. I. Study of vital colouring with methylene blue] Simková M. Sb Lek 72:219-23, Sep 70 (Cze)
[Frontal osteitis with extra-dural abscess following a wrong indication of frontal trepano-puncture] Bouche J, et al. Ann Otolaryngol Chir Cervicofac 88:194-6, Mar 71 (Fre)

HISTORY

[Caries, focal studies and bone surgery, formerly and now] Münch J. Osterr Z Stomatol 68:59-67, Feb 71 (Ger)
[The origins of neurosurgery in prehistoric and protohistoric documents. II. The civilization of ancient Egypt] Massarotti M. Minerva Neurochir 14:343-59, 1970 (Ita)
[The origins of neurosurgery in prehistorical and protohistoric documents. I. Prehistoric documents] Massarotti M. Minerva Neurochir 14:56-76, 1970 (Ita)
[The origins of neurosurgery in prehistoric and protohistoric documents. 3. Pre-Columbian American civilization] Massarotti M. Minerva Neurochir 15:29-60, 1971 (Ita)
[Treatment of infantile hydrocephalus in the 19th century (critical study)] Granieri U. Rass Int Clin Ter 49:327-34, 31 Mar 69 (Ita)

INSTRUMENTATION

[Mechanical drill bit] Palkovič S, et al. Rozhl Chir 49:605-6, Nov 70 (Cze)
[Skull trephine; a device for protection of the dura and rapid trephination] Yamamoto S. Brain Nerve (Tokyo) 22:1293-5, Nov 70 (Jap)
[Experience in the use of a drill compass for the formation of a bone aperture in external dacryocystorhinostomy] Shamkhalov ShA. Oftalmol Zh 25:468, 1970 (Rus)
[Ultrasonic resection of bones and soft tissues in reconstructive surgery] Poliakov VA, et al. Vestn Khir 106:71-4, Apr 71 (Rus)
[Instrument for determining optimal sites for trephination puncture of frontal sinuses] Karal-Ogly RD. Zh Ushn Nos Gorl Bolezn 31:97-8, May-Jun 71 (Rus)

TREPONEMA (B3)

A study on labeling Reiter treponemes and Treponema pallidum with 14C. Metzger M, et al. Arch Immunol Ther Exp (Warsz) 18:635-42, 1970
Treponematoses research. Report of a WHO scientific group. WHO Tech Rep Ser 455:1-91, 1970 (240 ref.)
[Immuno-allergic lymphoblastogenesis and Treponema antigen in vitro in syphilis] Bădănoi A, et al. Arch Roum Pathol Exp Microbiol 28:419-27, Jun-Sep 69 (Fre)

ANALYSIS

Isolation and characterization of a glycolipid from Treponema pallidum, Kazan 5. Livermore BP, et al. Biochim Biophys Acta 210:315-8, 14 Jul 70
Amino acid composition of treponemes. Moss CW, et al. Br J Vener Dis 47:165-8, Jun 71
Chemistry of axial filaments of Treponema zuezerae. Bharier MA, et al. J Bacteriol 105:423-9, Jan 71

CLASSIFICATION

Characterization of treponemes by gas chromatography. Farshy DC, et al. Br J Vener Dis 46:441-4, Dec 70

CYTOLOGY

Electron microscopy of endoflagella and microtubules in Treponema reiter. Hougen KH, et al. Acta Pathol Microbiol Scand [B] 79:37-50, 1971
Treponema pertenue under the electron microscope. Ovčinnikov NM, et al. Br J Vener Dis 46:249-79, Oct 70
Eletron microscopic observations on the structure of Treponema zuelzerae and its axial filaments. Bharier MA, et al. J Bacteriol 105:413-21, Jan 71

ENZYMOLOGY

Peptidase activity in Reiter treponemes. Szewczuk A, et al. Arch Immunol Ther Exp (Warsz) 18:643-51, 1970

IMMUNOLOGY

Immunofluorescence investigations of antibodies against treponemal group antigen. Jakubowski A, et al. Br J Vener Dis 46:383-5, Oct 70
Reactivity in the FTA-ABS test of rabbits hyperimmunized with nonpathogenic treponemes. Tringali GR, et al. Br J Vener Dis 46:313-7, Aug 70
Immobilization effects of anticell and antiaxial filament sera on Treponema zuelzerae. Bharier MA, et al. J Bacteriol 105:430-7, Jan 71

ISOLATION & PURIFICATION

Membrane filtration of the Reiter treponeme. Chandler FW Jr, et al. Appl Microbiol 20:786-8, Nov 70
Persistence and excretion of Treponema anserinum (Sakharoff, 1891) in hens. Djankov I, et al. Zentralbl Veterinaermed [B] 17:544-8, May 70
[New survey of endemic syphilis in Senegal. Clinical and epidemiological study. Serological study, isolation of a Treponema strain] Basset A, et al. Bull Soc Pathol Exot 62:1017-34, Nov-Dec 69 (Fre)

METABOLISM

Lipid metabolism in the parasitic and free-living spirochetes Treponema pallidum (Reiter) and Treponema zuelzerae. Meyer H, et al. Biochim Biophys Acta 231:93-106, 2 Feb 71

TREPONEMA IMMOBILIZATION TEST (E1)

[Principle and effect of anti-treponema pallida specific syphilis tests FTA and TPI] Blaurock G, et al. Dtsch Gesundheitsw 26:1153-6, 17 Jun 71 (Ger)
[Results of the FTA test as a routine examination in syphylis serology] Morgenstern H. Wien Klin Wochenschr 82:155-6, 27 Feb 70 (Ger)
[Results of the Nelson test during administration of gentamycin] Heitmann HJ, et al. Z Haut Geschlechtskr 46:87-90, 1 Feb 71 (Ger)
[The relationship between immobilizing antibodies of serum and cerebrospinal fluid. Studies with the standardized treponema pallidum immobilizing (TPI) test on matched serum samples] Müller F, et al. Z Neurol 198:237-55, 1970 (Ger)
[Results of the complex study of an albumin-free medium No. 2 for the Treponema pallidum immobilization reaction] Sazonova LV, et al. Vestn Dermatol Venerol 44:52-4, Oct 70 (Rus)
[Clinico-prognostic significance of the Treponema pallidum immobilization reaction in patients with seroresistant syphilis] Skripkin IuK, et al. Vestn Dermatol Venerol 45:58-62, Jan 71 (Rus)

TREPONEMA PALLIDUM (B3)

A study on labeling Reiter treponemes and Treponema pallidum with 14C. Metzger M, et al. Arch Immunol Ther Exp (Warsz) 18:635-42, 1970
Demonstration of a virus-like agent contaminating material containing the Stockholm substrain of the Nichols pathogenic Treponema pallidum. Gudjónsson H, et al. Br J Vener Dis 46:435-40, Dec 70
A lyophilization medium for FTA-ABS test antigen. Hunter EF, et al. Health Lab Sci 8:35-9, Jan 71
Slide impregnation method for Treponema pallidum and other spirochetes. Di Virgilio G, et al. Lab Pract 19:1028-30, Oct 70
[Action site and effectiveness of the antisyphilitic penicillin therapy. I. Position and structure of Treponema pallidum: action site of penicillin] Luger A. Hautarzt 21:531-9, Dec 70 (Ger)

CYTOLOGY

Ultrastructure of Treponema pallidum Nichols following lysis by physical and chemical methods. I. Envelope, wall, membrane and fibrils. Jackson S, et al. Arch Mikrobiol 76:308-24, 1971
Ultrastructure of Treponema pallidum Nichols following lysis by physical and chemical methods. II. Axial filaments. Jackson S, et al. Arch Mikrobiol 76:325-40, 1971
[Arrangement of outer fibrils in Treponema pallidum (Nichols' strain)] Metz J, et al. Klin Wochenschr 48:636, 15 May 70 (Ger)
[L-forms of Treponema pallidum (electron microscopic studies)] Ovchinnikov NM, et al. Vestn Dermatol Venerol 44:53-7, Aug 70 (Rus)

GROWTH & DEVELOPMENT

Attempted culture of pathogenic Treponema pallidum in the presence of various bacteria and in their culture filtrates. Metzger M, et al. Arch Immunol Ther Exp (Warsz) 18:630-4, 1970
[Experience in cultivation of Treponema pallidum in thioglycol medium] Serzhantova TI. Vestn Dermatol Venerol 43:48-51, Aug 69 (Rus)

IMMUNOLOGY

Resistance and serological changes in rabbits immunized with virulent Treponema pallidum sonicate. Izsat NN, et al. Acta Derm Venereol (Stockh) 51:157-60, 1971
Attempts at immunization against syphilis with avirulent Treponemma pallidum. Izsat NN, et al. Br J Vener Dis 46:451-3, Dec 70
Incomplete agglutinins against Treponema pallidum. Podwińska J, et al. Br J Vener Dis 47:81-6, Apr 71
An improved antigen for the FTA-ABS test. Hunter EF, et al. Health Lab Sci 7:237-41, Oct 70
The immunoglobulin class of fluorescent treponemal antibodies in syphilis. Atwood WG, et al. Int J Dermatol 9:259-66, Oct-Dec 70
Atypical fluorescence in the fluorescent treponemal-antibody-absorption (FTA-ABS) test related to deoxyribonucleic acid (DNA) antibodies. Kraus SJ, et al. J Immunol 106:1665-9, Jun 71
A preliminary study of the treponemal pallidum haemagglutination test (TPHA). Veijajiva S, et al. J Med Assoc Thai 54:256-9, Apr 71
[The indirect hemagglutination reaction in syphilis (Reiter antigen). 1. From the technical viewpoint] Engelbrecht E, et al. Pathol Microbiol (Basel) 36:44-50, 1970 (Fre)
[The indirect hemagglutination reaction in syphilis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(Reiter antigen). 2. The reaction compared with usual tests; study of 50 serums] Engelbrecht E, et al. Pathol Microbiol (Basel) 36:51-6, 1970 (Fre)
[Production and control of Reiter treponema antigen] Surján L, et al. Orv Hetil 111:2655-7, 8 Nov 70 (Hun)

ISOLATION & PURIFICATION

The demonstration of Treponema pallidum with fluorescent antibody techniques in the primary stage of syphilis. Danielsson D, et al. Acta Pathol Microbiol Scand [B] 78:267, 1970
Comparison of direct and indirect fluorescent antibody methods for staining Treponema pallidum. Eisas FJ. Br J Vener Dis 47:255-8, Aug 71
Acute choroido-retinitis in secondary syphilis. Presence of spiral organisms in the aqueous humour. Macfaul PA, et al. Br J Vener Dis 47:159-61, Jun 71
Immunofluorescent staining for the detection of Treponema pallidum in early syphilitic lesions. Wilkinson AE, et al. Br J Vener Dis 47:252-4, Aug 71
[Immunofluorescence with the direct method used in a study of pathogenic Treponema pallidum] Tringali GR, et al. Riv Ist Sieroter Ital 44:36-50, Jan-Apr 69 (Ita)

METABOLISM

Lipid metabolism in the parasitic and free-living spirochetes Treponema pallidum (Reiter) and Treponema zuelzerae. Meyer H, et al. Biochim Biophys Acta 231:93-106, 2 Feb 71

PATHOGENICITY

Fever after inoculation of rabbits with Treponema pallidum. Gudjónsson H, et al. Br J Vener Dis 46:318-22, Aug 70
Evolution of syphilitic chancres with virulent Treponema pallidum in the rabbit. Izzat NN, et al. Br J Vener Dis 47:67-72, Apr 71

TREPONEMACIDES see under ANTI-INFECTIVE AGENTS (D3)

TREPONEMAL INFECTIONS (C1)

Research on the treponematoses. WHO Chron 25:112-6, Mar 71
Treponematoses research. Report of a WHO scientific group. WHO Tech Rep Ser 455:1-91, 1970 (240 ref.)

DIAGNOSIS

Bejel or non-venereal endemic syphilis. Kanan MW, et al. Br J Dermatol 84:461-4, May 71

MORTALITY

Elimination of intercurrent death among rabbits inoculated with Treponema pallidum. Jensen HJ. Acta Pathol Microbiol Scand [B] 79:124-5, 1971

OCCURRENCE

Rapid plasma reagin (RPR) card test. A screening method for treponemal disease. Walker AN. Br J Vener Dis 47:259-62, Aug 71
[Incidence of treponematosis in the French Antilles] Pautrizel R, et al. Bull Inst Natl Sante Rech Med 24:149-58, Mar-Apr 69 (Fre)
[Survey of treponematosis in a colonization valley of southern Peru (Tambopata Valley)] Cirera P, et al. Bull Soc Pathol Exot 63:464-73, Jun-Aug 70 (Fre)
[Occurrence of trepanomatoses in the Bedik people of Senegal] Cirera P, et al. Bull Soc Pathol Exot 63:668-75, Nov-Dec 70 (Fre)
[Serological study of treponamatoses in transplanted West African workers apropos of (1,000 examinations by means of immunofluorescence and Kline floculation tests)] Niel G, et al. Bull Soc Pathol Exot 63:180-94, Mar-Apr 70 (Fre)

VETERINARY

Persistence and excretion of Treponema anserinum (Sakharoff, 1891) in hens. Djankov I, et al. Zentralbl Veterinaermed [B] 17:544-8, May 70

TRIACETYLOLEANDOMYCIN (D3)

METABOLISM

[Tissue distrubution of triacetyloleandomycin in Swiss white mice] Cimmino P, et al. Antibiotica 7:80-7, Mar 69 (Mul)

THERAPEUTIC USE

[Demonstration of the anti-inflammatory power and research on the mode of action of triacetyl-oleandomycin (T.A.O.) in asthma] Cabanieu G. Bord Med 3:3069-70 passim, Dec 70 (Fre)

TRIAMCINOLONE (D2, D8)

ADMINISTRATION & DOSAGE

Triamcinolone-procaine in the treatment of zoster and postzoster neuralgia. Epstein E. Calif Med 115:6-10, Aug 71
Peyronie's disease: a method of treatment. Toksu E. J Urol 105:523-4, Apr 71
How I treat synovial cysts. Montgomery RM. Postgrad Med 49:231, Jan 71
[Therapeutic use of depot cortisonoids in progressive polyarthritis] Ondrašík M, et al. Fysiatr Reumatol Vestn 49:156-9, Aug 71 (Slo)

ADVERSE EFFECTS

Dermatomyositis, calcinosis cutis, acanthosis nigricans, and exogenous hypercortisonism. Arch Dermatol 102:572-4, Nov 70
[Unusual complication of local corticotherapy: cutaneous atrophy] Labrousse C, et al. Rev Rhum Mal Osteoartic 36:323-6, Jun 69 (Fre)

ANALYSIS

Spectrophotometric methods for monitoring the microbial transformation of steroids. I. Determination of 9-alpha-fluorohydrocortisone and 9-alpha-fluoro-16-alpha-hydroxyhydrocortisone in fermentation broths. Ivashkiv E. Appl Microbiol 20:251-3, Aug 70

DIAGNOSTIC USE

[Effect of chlorpromazine on the glucose tolerance test after triamcinolone administration] Dvořák V, et al. Cas Lek Cesk 110:562-5, 11 Jun 71 (Cze)

PHARMACODYNAMICS

Hormonal influences upon ethylene glycol poisoning. Szablowska M, et al. Arch Environ Health 23:13-7, Jul 71
Studies of steroid myopathy. Examination of the possible effect of triamcinolone on mitochondria and sarcotubular vesicles of rat skeletal muscle. Peter JB, et al. Biochem Pharmacol 19:1627-36, May 70
The effect of L-epinephrine and triamcinolone on the incorporation of acetate-2-14C and 32Pi into phospholipids and neutral lipids in liver slices from adrenalectomized rats, in vitro. Hostetler KY, et al. Endocrinology 87:1351-4, Dec 70
Suppression of the hypothalamus-pituitary-adrenal system by intra-articular triamcinolone diacetate. Wellington JE, et al. J Endocrinol 48:lxxx+, Dec 70
Topically applied triamcinolone and macromolecular synthesis by human epidermis. Marks R, et al. J Invest Dermatol 56:470-3, Jun 71
Effects of triamcinolone on tendon healing and function. A laboratory study. Ketchum LD. Plast Reconstr Surg 47:471-82, May 71
Competitive inhibition of primate brain corticosteroid acetyltransferase by triamcinolone and related 16alpha-hydroxysteroids. Purdy RH, et al. Steroids 16:649-62, Dec 70
[Adrenal circadian rhythm and delayed-action corticoids] D'Agata R, et al. Rass Neurol Veg 23:219-29, 1969 (Ita)
[The effect of anabolic hormone preparations on the immunologic reactivity of the body (an experimental study)] Kapitanov EA. Zh Mikrobiol Epidemiol Immunobiol 46:59-62, Oct 69 (Rus)

THERAPEUTIC USE

Long-term corticosteroid therapy in chronic intractable asthmatic patients. Tuft L, et al. Ann Allergy 29:287-93, Jun 71
Effect of triamcinolone on scalp homograft tolerance. Orentreich N, et al. JAMA 215:795, 1 Feb 71
Follow-up on treatment of hypertrophic scars and keloids with triamcinolone. Ketchum LD, et al. Plast Reconstr Surg 48:256-9, Sep 71
[Erythrodermia, pustulal psoriasis, rheumatic state in a ten-year-old child. Successful effect of the combination of antibio-corticotherapy and methotrexate] Huriez C, et al. Bull Soc Fr Dermatol Syphiligr 77:396-8, 1970 (Fre)
[What should one expect of Tedarol in rheumatology?] Françon F, et al. Bull Soc Sci Med Grand Duche Luxemb 106:289-313, Oct 69 (Fre)
[Irritations of the iliosacral joint, their symptomatics and therapy] Tönnis D, et al. Arch Orthop Unfallchir 68:358-69, 1970 (Ger)
[Effects of a triamcinolone-salicylamide combination in painful diseases of supporting system. Summarized experiences of 45 residential physicians] Lauschner EP. Z Allgemeinmed 47:964-6, Jun 71 (Ger)
[Problems of corticoid therapy in pregnancy] Busch W. Zentralbl Gynaekol 92:1268-74, 25 Sep 70 (Ger)
[Use of local corticosteroid therapy in peripheral tuberculous lymphadenitis] Nasso S, et al. Minerva Pediatr 21:2067, 3 Nov 69 (Ita)
[Treatment of certain dermatoses with corticosteroid preparations] Abdusametov RKh, et al. Vestn Dermatol Venerol 44:23-7, Jul 70 (Rus)
[The effect of corticosteroid therapy on the concentration of aluminum in the erythrocytes and serum of psoriasis patients] Bokshtein OE. Vestn Dermatol Venerol 44:12-4, Dec 70 (Rus)
[The effect of corticosteroid therapy on serum protein amino acid composition in chronic glomerulonephritis] Pyrig LA, et al. Vrach Delo 9-11, Jan 71 (Rus)

TRIAMCINOLONE ACETONIDE (D2, D8)

Mass spectrometry of fluorinated corticosteroidal 1,4-dien-3-ones of the British Pharmacopoeia. Lodge BA, et al. J Pharm Pharmacol 23:196-9, Mar 71

ADMINISTRATION & DOSAGE

Circumileostomy dermatitis. Fisher BK, et al. Arch Dermatol 103:463, Apr 71
Clinical evaluation of an intramuscularly administered steroid (triamcinolone acetonide). Demos CH, et al. J Med Soc NJ 65:533-6, Oct 68
The treatment of urethral stricture: transurethral injection of triamcinolone: a preliminary report. Hebert PW. J Urol 105:463-6, Mar 71
An aid to the treatment of supratip swelling after rhinoplasty. Rees TD. Laryngoscope 81:306-11, Feb 71
The treatment of skin disorders with intramuscular triamcinolone acetonide. Rosten M. NZ Med J 72:253-5, Oct 70
[Comparative study on intramuscular and intraarticular administration of the depot steroid Triamcinolone acetonide] Rausch-Stroomann JG, et al. Arzneim Forsch 21:836-40, Jun 71 (Ger)
[Therapeutic experiments in bovine acetonemia using triamcinolon-acetonide] Fischer W. Dtsch Tieraerztl Wochenschr 78:402-5, 15 Jul 71 (Ger)
[Treatment of chronic discoid lupus erythematosus with triamcinolone acetonide using the occlusive dressing technic] Steffen J. Hautarzt 21:474-7, Oct 70 (Ger)
[Experiences with long-term therapy of chronic dermatoses using triamcinolone- acetonide (Volon A 40)] Weitgasser H. Z Haut Geschlechtskr 46:473-6, 15 Aug 71 (Ger)
[Injections and local infiltrations of triamcinolone hexacetonide (Lederle) in rheumatology] De Usobiaga JL. Rev Esp Reum Enferm Osteoartic 13:349-59, Apr 70 (Spa)
[Local effects of triamcinolone hexacetonide administered intra-articularly] Astorga G, et al. Rev Med Chil 98:810-5, 1970 (Spa)
[Treatment of certain cases of sciatica by the Lièvre method of transsacral infiltration] Domljan Z, et al. Reumatizam 17:206-11, 1970 (Cro)

ADVERSE EFFECTS

[Provocation of uterine hemorrhages and subcutaneous hematomas by the use of triamcinolone acetonide in allergic patients] Mathov E, et al. Alergia 18:193-200, May 71 (Spa)

BLOOD

Studies of plasma levels and urinary excretion after intramuscular injection of triamcinolone acetonide. Kusama M, et al. Metabolism 20:590-6, Jun 71
[Blood concentration and urinary excretion rate following intramuscular injection of triamcinolone acetonide] Kusama M, et al. Folia Endocrinol Jap 48:854-8, 20 Sep 70 (Jap)

PHARMACODYNAMICS

Activity of skeletal-muscle ribosomes from intact and castrated rats treated with triamcinolone acetonide. Peters RF, et al. Biochem J 118:30P-31P, Jun 70
Effect of glucocorticoids on hexose uptake by mouse fibroblasts in vitro. Gray JG, et al. Biochemistry 10:377-84, 19 Jan 71
[Plasma cortisol modified by the plasma level of fluorine-substituted long-acting cortisone] Eberl R, et al. Z Rheumaforsch 29:94-8, Mar-Apr 70 (Ger)

THERAPEUTIC USE

The corticosteroid-antibiotic dressing as a capping for inflamed dental pulps. Clarke NG. Aust Dent J 16:71-4, Apr 71
Triamcinolone acetonide in the treatment of bursitis and other foot disorders. Helfand AE, et al. J Am Podiatry Assoc 61:174-9, May 71
Cheilitis granulomatosa. Report of case treated with injection of triamcinolone acetonide aqueous

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

suspension. Eisenbud L, et al.
Oral Surg 32:384-9, Sep 71
Benign mucous membrane pemphigoid. Management of an edentulous patient. Urbanek VE, et al.
Oral Surg 37:772-6, Jun 71
Local treatment with a corticosteroid-antibiotic preparation in infections of the ear.
Practitioner 205:691-5, Nov 70
Sub-tenon steroid injection for optic neuritis. Smith JL, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1249-53, Nov-Dec 70
[Volon A 80 in maintainance therapy of rheumatic diseases] Schotten P.
Ther Ggw 109:1475-6 passim, Oct 70 (Ger)
[Corticosteroid therapy in the rehabilitation in asthma, chronic bronchitis and old age] Böhlau V.
Z Allgemeinmed 47:354-9, 10 Mar 71 (Ger)
[The treatment of keloids and hypertrophic scars by corticosteroids] Mahler D, et al.
Harefuah 79:174-8, 16 Aug 70 (Heb)
[On the topical therapeutic activity of a new corticosteroid: prednacinolone] Puccinelli VA.
G Ital Dermatol 46:255-8, Jun 71 (Ita)
[Clinical studies on Traumacort-aerosol Polfa in selected skin diseases] Michalowski R, et al.
Pol Tyg Lek 26:604-6, 19 Apr 71 (Pol)

TOXICITY

Renal effects of long term administration of triamcinolone acetonide in normal dogs. Osbaldiston GW. Can J Comp Med 35:28-35, Jan 71

URINE

Studies of plasma levels and urinary excretion after intramuscular injection of triamcinolone acetonide. Kusama M, et al. Metabolism 20:590-6, Jun 71
[Blood concentration and urinary excretion rate following intramuscular injection of triamcinolone acetonide] Kusama M, et al.
Folia Endocrinol Jap 46:854-8, 20 Sep 70 (Jap)

TRIAMTERENE (D7)

ADMINISTRATION & DOSAGE

[Triamterene-frusemide combination in edematous patients] Cruz J, et al.
Hospital (Rio de J) 77:1881-93, Jun 70 (Por)

BLOOD

[A quick fluorimetric determination of quinidine along with triamterene in serum] Denswil EH, et al.
Pharm Weekbl 105:1441-6, 11 Dec 70 (Dut)

PHARMACODYNAMICS

Urinary levels of kynurenine and 3-hydroxykynurenine in the rat: effects of triamterene. Ghosh D, et al.
Biochem Biophys Res Commun 41:1421-8, 24 Dec 70
Effects of the diuretics, triamterene and mersalyl on active sodium transport mechanisms in isolated frog skin. Salako LA, et al. Br J Pharmacol 41:552-7, Mar 71
A student exercise in clinical pharmacology: Renal effects of diuretics. Gilmore JP, et al.
Curr Ther Res 12:759-69, Nov 70

THERAPEUTIC USE

Chemical prevention of myocardial necrosis. Selye H.
Laval Med 41:595-8, Apr 70
[Clinico-statistical observations on the use of triamterene in hepatic cirrhosis in the ascitic phase] Cairella M, et al. Clin Ter 46:198-202, 15 Aug 68 (Ita)

TRIAZINES (D2)

1-ethoxy-4-(dichloro-s-triazinyl)naphthalene: a fluorescent reagent for corticosteroids. Chayen R, et al. Anal Biochem 39:533-5, Feb 71
Determination of serum and urine amylase with use of procion brilliant red M-2BS amyiopectin. Sax SM, et al.
Clin Chem 17:311-5, Apr 71
Syndrome of caudal regression and dysrhaphic malformations of the spinal cord. Jelínek R, et al.
Folia Morphol (Praha) 19:58-70, 1971
A nuclear magnetic resonance study of the conformation of beta-cyanuric acid riboside. Further evidence for the anti rotamer in pyrimidine nucleosides. Dugas H, et al.
J Am Chem Soc 93:3468-70, 14 Jul 71
Triazines and related products. 8. Potential irreversible chymotrypsin inhibitors: 3-alkyl-1,2,3-benzotriazin-4(3H)-ones and o-azidobenzamides. Mair AC, et al.
J Chem Soc [Org] 12:2317-24, 1971
Imidazole and pyrazole bis(2-fluoroethyl)triazenes. Shealy YF, et al. J Pharm Sci 59:1356-60, Sep 70
Introduction to triazine-soil interactions. Dubach P.
Residue Rev 32:19-28, 1970 (9 ref.)
Adsorption of triazine herbicides on soil organic matter, including a short review on soil organic matter chemistry. Hayes MH.
Residue Rev 32:131-74, 1970 (168 ref.)
Movement of s-triazine herbicides in soils. Helling CS.
Residue Rev 32:175-210, 1970 (84 ref.)
Nonbiological detoxication of the s-triazine herbicides. Jordan LS, et al. Residue Rev 32:267-86, 1970 (28 ref.)
Mechanisms of adsorption of s-triazines by clay colloids and factors affecting plant availability. Weber JB.
Residue Rev 32:93-130, 1970 (109 ref.)
[Effect of substituents in the aminomethinylation of active methylene compounds] Kreutzberger A, et al.
Arch Pharm (Weinheim) 303:715-9, Sep 70 (Ger)
[Reaction behavior of phenylacetic acid derivatives in aminomethinylation] Kreutzberger A, et al.
Arch Pharm (Weinheim) 302:362-75, May 69 (Ger)
[Trichloro-S-triazine and N-methyl-morpholine in fixation tests from cytologic materials] Giacobbe E.
Pathologica 61:301-6, Sep-Oct 69 (Ita)
[New specific paramagnetic label based on trichlortriazine] Likhtenshtein GI, et al.
Biofizika 14:741-3, Jul-Aug 69 (Rus)

ADMINISTRATION & DOSAGE

[The pharmacokinetics of 6-azauridine administered intravenously in rabbits] Plevová J, et al.
J Physiol (Paris) 62:Suppl 3:431-2, 1970 (Fre)
[Therapy of cutaneous leishmaniasis (Leishmania tropica) with cycloguanil pamoate] Reinhard M, et al.
Dtsch Med Wochenschr 95:2380-2, 20 Nov 70 (Ger)
[Treatment of rheumatic diseases with Azapropazon suppositories] Beckschifter W.
Praxis 60:447-8, 6 Apr 71 (Ger)
[Peroral treatment with Azaprepazon in rheumatism of the soft parts] Mennet P, et al.
Schweiz Med Wochenschr 101:647-8, 8 May 71 (Ger)

ADVERSE EFFECTS

Azaribine in the treatment of psoriasis. Dubin HV, et al.
Ann Intern Med 74:797-8, May 71
Teratogenic effect of 6-azauridine in rats. Gutová M, et al. Teratology 4:287-94, Aug 71
[Typical hyperaminoaciduria in patients with mycosis fungoides and primary progressive polyarthritis following 6-azauridine triacetate administration] Hyánek J, et al.
Cas Lek Cesk 109:1151-2, 27 Nov 70 (Cze)
[Hygienic characteristics of working conditions and status of health in workers engaged in the production of certain triazine herbicides] Blagodatin VM, et al.
Gig Tr Prof Zabol 15:45-7, Jan 71 (Rus)

ANALYSIS

Alkoxy derivatives of dyrene. Identification and carboxylesterase inhibition. Mendoza CE, et al.
J Agric Food Chem 19:41-5, Jan-Feb 71
A modified detection of triazine herbicide residues and their hydroxy-derivatives on thin-layer chromatograms. Koudela S.
J Chromatogr 53:589-91, 23 Dec 71
Quantitative determination of triazine herbicides in soils by bioassay. Behrens R.
Residue Rev 32:355-69, 1970 (40 ref.)
Ways and means to influence the activity and the persistence of triazine herbicides in soils. LeBaron HM. Residue Rev 32:311-53, 1970 (128 ref.)
Quantitative determination of triazine herbicides in soils by chemical analysis. Mattson AM, et al.
Residue Rev 32:371-90, 1970 (31 ref.)
Persistence of triazine herbicides in soils. Sheets TJ.
Residue Rev 32:287-310, 1970 (80 ref.)
[Determination of Simazin, Atrazin and Propazin in biological media by thin layer chromatography] Samosvat LS, et al. Gig Sanit 35:64-6, Sep 70 (Rus)
[Determining propazine, cyanuric chloride and isopropylamine in the air] Mel'nikova LV, et al.
Gig Tr Prof Zabol 14:49-50, Aug 70 (Rus)
[Microcrystallographic and chemical identification of some new organic drugs with basic nitrogen atoms. VI] Yalçindağ ON.
Turk Hij Tecr Biyol Derg 30:33-40, 1970 (Tur)

ANTAGONISTS & INHIBITORS

Action of tumour inhibitory pyrazolotriazines on Klebsiella aerogenes. I. Inhibition by 3,4-dimethylpyrazolo[3,2-c]-as-triazine and its antagonism by histidine. Arden GM, et al.
Biochem Pharmacol 19:57-69, Jan 70

CHEMICAL SYNTHESIS

Benzene analogs of triazenoimidazoles. Shealy YF, et al. J Pharm Sci 60:1426-8, Sep 71

METABOLISM

Mercapturic acid formation in the metabolism of 2-chloro-4-ethylamino-6-(1-methyl-1-cyanoethylamino)-s-triazine in the rat. Hutson DH, et al. J Agric Food Chem 18:507-12, May-Jun 70
1,3-bis(3,4-dichlorophenyl) triazene from propanil in soils. Plimmer JR, et al.
J Agric Food Chem 18:859-61, Sep-Oct 70
Metabolism of 14C-labeled N2,N2,N4,N4-tetramethylmelamine in male house flies. Chang SC, et al. J Econ Entomol 63:1510-3, Oct 70
Irreversible enzyme inhibitors. CLXXIV. Metabolism of 4-(p-(4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazin-1-yl)hydrocinnamido)-o-toluenesulfonyl fluoride (NSC-113423), an active-site-directed irreversible inhibitor of dihydrofolic reductase. Ryan AJ, et al.
J Med Chem 13:1140-2, Nov 70
Glutathione conjugation. An enzymatic basis for atrazine resistance in corn. Shimabukuro RH, et al.
Plant Physiol 47:10-4, Jan 71
Microbial degradation of s-triazine herbicides. Kaufman DD, et al.
Residue Rev 32:235-65, 1970 (103 ref.)
Activation of parathion and guthion by mammalian, avian, and piscine liver homogenates and cell fractions. Hitchcock M, et al.
Toxicol Appl Pharmacol 19:37-45, May 71

PHARMACODYNAMICS

Virus-inhibitory activity of 6-azauridine dependent on cell-free extracts containing uridine kinase. I. Inhibition of plaque-formation. Rada B, et al.
Acta Virol (Praha) 14:425-34, Nov 70
Virus-inhibitory activity of 6-azauridine dependent on cell-free extracts containing uridine kinase. II. Quantitative aspects, efficacy of pretreatment. Rada B, et al. Acta Virol (Praha) 14:435-44, Nov 70
Low uricase activity in the Dalmatian dog simulated in mongrels given oxonic acid. Yü TF, et al.
Am J Physiol 220:973-9, Apr 71
Possible loci of action of 2-ethyl-4-ethylamino-6-methoxy-s-triazine for electroencephalographic and sympathetic activation in cat. Saji Y, et al. Arzneim Forsch 20:1591-4, Oct 70
Action of tumour inhibitory pyrazolotriazines on Klebsiella aerogenes. II. Inhibition by 6-halogenoacetyl-3-methyl-4-methylenepyrazolo[3,2-c]-as-triazine and its antagonism. Arden GM, et al.
Biochem Pharmacol 19:71-89, Jan 70
Hormonal action of certain biologically active compounds in Agrotis ypsilon larvae. el-Ibrashy MT, et al. Experientia 26:1095-6, 15 Oct 70
The effect of 2-thio-6-azathymine on the organism. Foltinova J.
Folia Histochem Cytochem (Krakow) 8:201-2, 1970
Effect of TC-17, a triazinylstilbene derivative, on the dissemination of mouse tumors. Saito C, et al.
Gann 61:569-82, Dec 70
Irreversible enzyme inhibitors. CLXXVII. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(phenylalkylphenyl)-s-triazines. II. Baker BR, et al.
J Med Chem 13:1154-60, Nov 70
Irreversible enzyme inhibitors. CLXXVI. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-phenyl-s-triazine by ether bridging to a terminal sulfonyl fluoride. Baker BR, et al.
J Med Chem 13:1149-54, Nov 70
Irreversible enzyme inhibitors. CLXXIX. Active-site-directed irreversible enzyme inhibitors of dihydrofolate reductase from 1-(3-chlorophenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine with oxyamide bridges to a terminal sulfonyl fluoride. Baker BR, et al.
J Med Chem 13:1165-70, Nov 70
Irreversible enzyme inhibitors. 178. Active-site-directed irreversible inhibitors of dihydrofolate reductase derived from 1-(4-benzyloxy-3-chlorophenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine with a terminal sulfonyl fluoride. Baker BR, et al.
J Med Chem 13:1161-5, Nov 70
New s-triazine derivatives as depressants for reticuloendothelial hyperfunction induced by bacterial endotoxin. Irikura T, et al.
J Med Chem 13:1081-9, Nov 70
Irreversible enzyme inhibitors. CLXXIV. Metabolism of 4-(p-(4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazin-1-yl)hydrocinnamido)-o-toluenesulfonyl fluoride (NSC-113423), an active-site-directed irreversible inhibitor of dihydrofolic reductase. Ryan AJ, et al.
J Med Chem 13:1140-2, Nov 70
Reciprocal cross resistance between cycloguanil hydrochloride and pyrimethamine in Plasmodium berghei infections in mice. Thompson PE, et al.
J Parasitol 54:588-93, Jun 68
In vitro sensitivity of measles virus to 6-azauridine. Leonard LL, et al.
Proc Soc Exp Biol Med 136:857-62, Mar 71
Heterotransplantation of Ehrlich ascites tumor cells in rats pre-treated with cytostatics and antimetabolites. Emanuilov E, et al. Z Naturforsch [B] 25:1175-9, Oct 70
[Effect of 6-azauridine on the labelling index and mean

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

grain count of 3H-thymidine-incubated Ehrlich carcinoma ascites cells] Magdon E, et al.
Arch Geschwulstforsch 36:247-52, 1970 (Ger)
[Injurious effect of 6-azauridine on the multiplication of human cytomegalovirus] Demidova SA, et al.
Dokl Akad Nauk SSSR 186:709-10, May 69 (Rus)
[Effect of 4,6-diamino-symm-triazines on nucleic acids of liver and kidney in rats] Kuznetsova LI, et al.
Ukr Biokhim Zh 42:617-20, 1970 (Ukr)

POISONING

Insecticidal activity of two triazine herbicides.
Demidecki-Demidowicz MR, et al.
Naturwissenschaften 58:270, May 71

RADIATION EFFECTS

[Gamma-ray resistance of solid substances] Hangay G, et al.
Acta Pharm Hung 41:10-9, Jan 71 (Hun)

THERAPEUTIC USE

Calabresi P: Treatment of polycythemia vera with azauridine and azaribine. Deconti RC.
Ann Intern Med 73:575-9, Oct 70
Azaribine for mycosis fungoides. McDonald CJ, et al.
Arch Dermatol 103:158-67, Feb 71
Antibiotic-resistant strains of El Tor vibrio in the Philippines and the use of furalazine for chemotherapy. Kobari K, et al.
Bull WHO 43:365-71, 1970
Irreversible enzyme inhibitors. 173. Cure of Walker 256 ascites by reversible and irreversible inhibitors of dihydrofolic reductase derived from 1-(substituted-phenyl)-4,6-diamino-1,2-dihydro-2,2-dimethyl-s-triazine. Baker BR, et al.
J Med Chem 13:1130-40, Nov 70
Combined effect of 6-azauridine and irradiation in vivo and in vitro. VI. Nuclear diameters of Ehrlich ascites carcinoma cells after repeated irradiation and 6-AzUR application. Grozdanović J, et al.
Neoplasma 17:601-6, 1970
[Effect of 6-azauridine-triacetate on the enzyme activity in psoriatic patients] Krs V, et al.
Cesk Dermatol 45:238-40, Sep 70 (Cze)
[Experiences with individual cytostatic therapy of malignant tumors following pretherapeutic sensitivity test to cytostatics in vitro (oncobiogram)] Tanneberger S, et al.
Arch Geschwulstforsch 35:44-53, 1970 (Ger)
[At the begining of the 22d therapy-week. A press conference on a new antirheumatic agent]
Med Monatsschr 24:433-4, Oct 70 (Ger)
[Ambulant therapy with the new antiphlogistic agent azapropazon (prolixan 300) by practicians] Olbrich E, et al.
Med Welt 35:1354-6, 28 Aug 71 (Ger)
[Azapropazone in traumatology] Schmökel W.
Praxis 60:1114-6, 17 Aug 71 (Ger)
[The anti-tumor effect of several mono- and di-chlor-sym.triazine derivatives] Maliugina LI., et al.
Vopr Onkol 16:76-83, 1970 (Rus)
[Treatment of experimental rabbit keratitis caused by herpes simplex virus with 6-azauridine] Galegov GA, et al.
Vopr Virusol 15:351-4, May-Jun 70 (Rus)

TOXICITY

Toxicity of 6-azauridine triacetate. Pievová J, et al.
Toxicol Appl Pharmacol 17:511-8, Sep 70
Cardiopulmonary effects of antimalarial drugs. V. Cycloguanil and a new triazine compound (WR 99,682). Ruiz R, et al.
Toxicol Appl Pharmacol 18:487-97, Feb 71

TRIAZIQUONE (D4)

The influence of trenimon upon deoxyribonucleic acid in vitro. Klamerth OL, et al.
Eur J Biochem 21:199-203, 29 Jul 71
[The effect of L-cysteine on the induction of aberrations by chemical mutagens in human chromosomes. I. Dose-effect relations with Trenimone as aberration-inducing agent] Gebhart E.
Humangenetik 10:115-26, 17 Sep 70 (Ger)

ADMINISTRATION & DOSAGE

[Successful, local application of trenimon in the therapy of genital carcinomas and their relapses] Schwach E.
Arch Gynaekol 211:342-3, 4 Jun 71 (Ger)
[Chemical stimulation in cancer] Kuhlmann F.
Med Welt 6:199-200, 6 Feb 71 (Ger)
[Intra-arterial cytostatic therapy of malignant tumors in the carotid area] Hollmann K, et al.
Wien Klin Wochenschr 82:915-7, 18 Dec 70 (Ger)
[Trenimon treatment of advanced breast carcinoma] Malek K.
Nowotwory 20:319-23, 1970 (Pol)

ADVERSE EFFECTS

[The effect of L-cysteine on the induction of human chromosome aberrations by chemical mutagens. II. Significance of the time factor with trenimone as aberration-inducing agent] Gebhart E.
Humangenetik 11:237-43, 1971 (Ger)

PHARMACODYNAMICS

Chemical mutagenesis. The Chinese hamster bone marrow as an in vivo test system. II. Correlation with in vitro results on Chinese hamster fibroblasts and human fibroblasts and lymphocytes. Arakaki DT, et al.
Humangenetik 11:119-31, 1971
Induced chromosome aberrations in early embryogenesis of mice. Röhrborn G, et al.
Humangenetik 11:316-22, 1971
Chemical mutagenesis. The Chinese hamster bone marrow as an in vivo test system. I. Cytogenetic results on basic aspects of the methodology, obtained with alkylating agents. Schmid W, et al.
Humangenetik 11:103-18, 1971
[Inter- and intrachromosomal distribution of chromatid translocations in human leukocytes after in vitro treatment with trenimon] Gebhart E, et al.
Chromosoma 32:152-61, 1970 (Ger)
[Chemical mutagenesis in mammals. The Chinese hamster bone marrow as an in vivo test system. Hematological findings after treatment with trenimon] Boller K, et al.
Humangenetik 11:35-54, 1970 (Ger)
[Chemically induced mutations in mammals and man] Vogel F, et al.
Naturwissenschaften 58:131-41, Mar 71 (Ger)
[Effects of erythropoietin and bone marrow transfusions on erythropoiesis inhibited by cytostatic agents] Künkel HA, et al.
Strahlentherapie 140:519-24, Nov 70 (Ger)
[Behavior of enzyme activities, especially of thymidylate synthetase, after hepatectomy and after application of trenimon and actinomycin] Barth O, et al.
Z Krebsforsch 75:45-54, 20 Nov 70 (Ger)
[The effect of actinomycin and trisethyleneiminobenzoquinone on the DNA synthesis in regenerating rat liver] Maass H, et al.
Z Krebsforsch 74:304-8, 1970 (Ger)
[Immunosuppressive action of Trenimon in experimental keratoplasty] Gerkowicz K, et al.
Ann Univ Mariae Curie Sklodowska [Med] 24:353-61, 1969 (Pol)

THERAPEUTIC USE

[Minimal treatment of early cases of cervical carcinomas with Treminon] Krawczyk D.
Gynecol Prat 21:387-95, 1970 (Fre)
[Experiences with individual cytostatic therapy of malignant tumors following pretherapeutic sensitivity test to cytostatics in vitro (oncobiogram)] Tanneberger S, et al.
Arch Geschwulstforsch 35:44-53, 1970 (Ger)
[Combined immunosuppressive-antiphlogistic therapy of chronic rheumatic diseases] Tanner E, et al.
Arzneim Forsch 20:1804-6, Nov 70 (Ger)
[Case report on the therapy of reticulum cell sarcoma of the orbit] Kraft H.
Ber Dtsch Ophthalmol Ges 70:85-8, 1970 (Ger)
[Estimation of tumor sensitivity in vitro. II. Studies with the solid Ehrlich carcinoma of the mouse and the GW 77, a heterotransplanted human carcinoma] Seidel HJ. Z Krebsforsch 74:131-40, 1970 (Ger)
[Treatment of primary chronic polyarthritis with a cytostatic agent of the ethyleneimine group] Cruz A.
Z Rheumaforsch 29:130-4, Mar-Apr 70 (Ger)
[Therapeutic trial of a combination of cytostatic agents in advanced ovarian carcinoma] Brandl K.
Zentralbl Gynaekol 92:233-9, 21 Feb 70 (Ger)
[On the therapy of metastases of uterine adenocarcinoma] Poggi G.
Minerva Ginecol 21:1189-92, 30 Sep 69 (Ita)
[Effect of trenimon (2,3,5.-triethyleneiminebenzoquinone) and X-rays on therapeutical results in experimental tumors] Zebro T, et al. Nowotwory 21:59-66, Jan-Mar 71 (Pol)
[Histologic and histochemical changes in transplantable Guérin epithelioma treated with x-ray irradiation and trenimon. 3] Jerzy S, et al.
Patol Pol 22:211-24, Apr-Jun 71 (Pol)
[Morphologic changes in transplantable Guérin epithelioma treated with x-ray irradiation and trenimon. II. Measurements of the extent of necrosis and mitotic index] Zebro T, et al.
Patol Pol 22:201-9, Apr-Jun 71 (Pol)
[Results of treatment of transplantable Guérin epithelioma with trenimon and x-ray irradiation] Zebro T, et al. Patol Pol 22:185-200, Apr-Jun 71 (Pol)
[Chemotherapy in gastric reticulosarcoma] Maur M.
Prensa Med Argent 57:1507-9, 2 Oct 70 (Spa)
[Treatment of chronic diseases of connective tissue by cytostatic drugs] Deicher H, et al.
Rev Clin Esp 116:539-48, Mar 70 (72 ref.) (Spa)

TOXICITY

[Study on the reproducibility of the dominant lethal test in the mouse using cyclophosphamide and triaziquone] Machemer L, et al.
Arzneim Forsch 21:1037-9, Jul 71 (Ger)

TRIAZOLES (D2)

Experimental production of gastric and duodenal lesions by administration of 3-beta-aminoethyl 1,2,4-triazole. Lin TM, et al.
Arch Int Pharmacodyn Ther 186:5-17, Jul 70
Effect of reduced food intake on thyroid cell height and goitrogenic response in rats. Doniach I, et al.
J Endocrinol 49:71-7, Jan 71
Synthesis and activity of some 1,2,4-triazolylthiazolidones. Andolšek A, et al.
J Med Chem 14:53-4, Jan 71

CHEMICAL SYNTHESIS

Synthesis of some s-triazoles with potential analgetic and antiinflammatory activities. George T, et al.
J Med Chem 14:235-8, Apr 71
Further studies in substituted 4H-1,2,4-triazoles for possible hypoglycemic activity. Mhasalkar MY, et al.
J Med Chem 14:200-2, Mar 71
Antituberculosis agents. I. Alpha-(5-(2-Furyl)-1,2,4-triazol-3-ylthio) acethydraxide and related compounds. Mir I, et al.
Tetrahedron 26:5235-8, Nov 70
[Reaction of acetoacetic ester with 4,5-diamino-s-triazoles] Gehlen H, et al.
Arch Pharm (Weinheim) 303:709-14, Sep 70 (Ger)
[Synthesis of potential anti-inflammatory agents of the benztriazole series] Kreutzberger A, et al.
Arzneim Forsch 20:1723-5, Nov 70 (Ger)
[New derivatives of 1,2,4-triazole] Russo F, et al.
Boll Chim Farm 108:128-30, Feb 69 (Ita)

METABOLISM

Investigations on the absorption and distribution of trazodone or AF 1161 in rats, dogs and humans. Catanese B, et al. Boll Chim Farm 109:369-73, Jun 70

PHARMACODYNAMICS

In vivo effect of inhibitors of heme biosynthesis on serum hemopexin (Hx) levels and its pharmacological induction. Ross JD, et al.
Biochem Biophys Res Commun 41:186-93, 24 Dec 70
Light-induced changes in resistivity of spinach chloroplasts toward modification with diazonium-1,2,4-triazole. Nakaya K, et al.
Biochim Biophys Acta 216:364-72, 1 Sep 70
Antimetabolite activity of some N,N-dialkylamino-1,2,3-triazoles and alpha-diazoamidines. Harmon RE, et al.
J Pharm Sci 59:1694-5, Nov 70
Effects of 8-azaguanine, chloramphenicol and 3-amino-1,2,4-triazole on riboflavin formation by Eremothecium ashbyii. Mitsuda H, et al.
J Vitaminol (Kyoto) 16:172-9, Sep 70
Buoyant density studies of chloroplast and nuclear deoxyribonucleic acid from control and 3-amino-1,2,4-triazole-treated wheat seedlings, Triticum vulgare. Bartels PG, et al.
Plant Physiol 46:825-30, Dec 70
[The effect of 3-amino-1, 2, 4-triazole (Amitrol) on the nucleic acid bioxynthesis of the unicellular alga Poteriochromonas stipitata] Schröder I, et al.
Acta Biol Med Ger 24:495-7, 1970 (Ger)
[Changes in the chloroplast structure of Poteriochromonas stipitata after incubation in the presence of different concentrations of amitrol] Dörfling P, et al. Z Allg Mikrobiol 10:263-5, 1970 (Ger)
[The effect of 3-amino-1,2,4-triazole (Amitrol) on the growth of Azotobacter] Krotschmar G.
Z Allg Mikrobiol 10:253-67, 1970 (Ger)
[Effect of 3-amino-1,2,4-triazole (Amitrol) in non-herbicidal sphere on the albumin biosynthesis of the unicellular alga Poteriochromonas stipitata] Schröder I. Z Allg Mikrobiol 10:295-8, 1970 (Ger)
[Effect of 8-azaadenine on the metabolism of phosphorus compounds in Neurospora crassa mutants auxotrophic with respect to adenine] Kulaev IS, et al.
Dokl Akad Nauk SSSR 194:1202-5, 1970 (Rus)
[Comparative studies on various compounds with trichomonacidal activity] Savoia, et al.
Ginecol Obstet Mex 28:557-62, Nov 70 (Spa)

THERAPEUTIC USE

A controlled clinical study of a new antidepressant (trazodone). De Gregorio M, et al.
Panminerva Med 13:27-30, Jan-Feb 71

TRIBUTYRINASE see under LIPASE (D9)

TRICARBOXYLIC ACID CYCLE see under KREBS CYCLE (G1)

TRICHINA see TRICHINELLA (B1)

TRICHINELLA (B1)

Metazoa-protozoa-bacteria interrelationships. Wescott RB. Am J Clin Nutr 23:1502-7, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Mechanism of eosinophilia. IV. The pulmonary lesion resulting from intravenous injection of Trichinella spiralis. Boyer MH, et al.
Yale J Biol Med 43:351-7, Jun 71

CYTOLOGY

Trichinella spiralis: fine structure of body wall with special reference to formation and moulting of cuticle. Bruce RG. Exp Parasitol 28:499-511, Dec 70
Trichinella spiralis: intracellular spheroid bodies in "migratory" larva. Harley JP, et al.
Trans Am Microsc Soc 89:997-8, Oct 70

DRUG EFFECTS

Specific inhibition of morphogenesis in Trichinella spiralis by insect juvenile hormone mimics. Shanta CS, et al. Can J Zool 48:617-20, Jul 70
Studies with methyridine and Trichinella spiralis. 2. The use of the drug to study the rate of larval production in mice. Denham DA, et al.
J Helminthol 44:357-63, 1970
Anti-Trichinella spiralis activity of some 1-carbamoyl-3-methyl-2-pyrazolin-4,5-dione 4-arylhydrazones. Garg HG. J Med Chem 14:266, Mar 71
Comparative effects of cortisone and ACTH on golden and chinese hamsters infected with Trichinella spiralis. Ritterson AL, et al.
J Parasitol 54:822-6, Aug 68
[Experimental trichinosis. Action of 3 antimitotic agents on Trichinella spiralis] Gretillat S.
Bull Soc Pathol Exot 63:696-709, Nov-Dec 70 (Fre)
[Action of 2 antimitotics on larval cysts of Trichinella spiralis and their application to the treatment of experimental trichinosis] Grétillat S.
C R Acad Sci [D] (Paris) 271:873-6, 7 Sep 70 (Fre)
[The fate of Trichinellae after trichlorphon-treatment in the animal experiment. 3] Lamina J.
Zentralbl Bakteriol [Orig] 214:272-80, 1970 (Ger)

ENZYMOLOGY

[The modification of cholinesterase and acetylcholinesterase by a phosphoric acid ester compound Tiguvon (Bayer) in mice experimentally infected with trichinae] Ramisz A, et al.
Zentralbl Bakteriol [Orig] 204:289-98, 1967 (Ger)

GROWTH & DEVELOPMENT

Comparative development of temperate zone and arctic isolates of Trichinella spiralis in the white mouse. Arakawa A, et al. J Parasitol 57:526-30, Jun 71
Infectivity of the newborn larva of Trichinella spiralis in the rat. Dennis DT, et al. J Parasitol 56:974-7, Oct 70
Growth of Trichinella spiralis larvae from birth to day 13 postinoculation in the male albino rat. Harley JP, et al. J Parasitol 57:781-6, Aug 71
Light infections produced in swine dosed with 5 to 100 capsulated larvae of Trichinella spiralis. Hill CH. J Parasitol 54:1235-6, Dec 68
Possible molting and maturation controls in Trichinella spiralis. Hitcho PJ, et al. J Parasitol 57:787-93, Aug 71
Output of larvae and life span of Trichinella spiralis in relation to worm burden and superinfection in the mouse. Khamboonruang C.
J Parasitol 57:289-97, Apr 71

IMMUNOLOGY

Immunogenicity of the newborn larva of Trichinella spiralis. Despommier DD. J Parasitol 57:531-4, Jun 71
Demonstration of homocytotropic reaginlike antibodies in mice and rabbits infected with Trichinella spiralis. Sadun EH, et al.
J Parasitol 54:814-21, Aug 68

ISOLATION & PURIFICATION

Comparison of digestion and xenodiagnostic techniques for recovery of Trichinella spiralis. Hunt GR. J Parasitol 54:1096, Dec 68
[Parasitological examination of muscle several years after trichinosis] Gerwel C, et al.
Przegl Epidemiol 24:381-8, 1970 (Pol)

PATHOGENICITY

Parasites and carcinogenesis. Kasprzak KS, et al.
Lancet 2:106-7, 10 Jul 71

TRICHINELLIASIS see TRICHINOSIS (C1)

TRICHINELLOIDEA see TRICHUROIDEA (B1)

TRICHINOSIS (C1)

The story of trichinosis. Ward Burdick Award address. Gould SE. Am J Clin Pathol 55:2-11, Jan 71
Growth of Trichinella spiralis larvae from birth to day 13 postinoculation in the male albino rat. Harley JP, et al. J Parasitol 57:781-6, Aug 71
Light infections produced in swine dosed with 5 to 100 capsulated larvae of Trichinella spiralis. Hill CH. J Parasitol 54:1235-6, Dec 68
Output of larvae and life span of Trichinella spiralis in relation to worm burden and superinfection in the mouse. Khamboonruang C.
J Parasitol 57:289-97, Apr 71
Trichiniasis of the mandible. Curphey JE.
Oral Surg 31:19-24, Jan 71

BLOOD

Experimental observations on the eosinopenia induced by acute infection. Morgan JE, et al.
Br J Exp Pathol 52:214-20, Apr 71

COMPLICATIONS

Trichinosis and respiratory failure. Brashear RE, et al.
Am Rev Resp Dis 104:245-8, Aug 71
[Parasitological examination of muscle several years after trichinosis] Gerwel C, et al.
Przegl Epidemiol 24:381-8, 1970 (Pol)
[Case of dermatomyositis associated with Trichinella spiralis infestation] Ciesliñska K, et al.
Wiad Lek 24:247-50, 1 Jul 71 (Pol)

DIAGNOSIS

Serologic diagnosis by immunofluorescence in experiemental trichinosis and leishmaniasis. The immunofluorescence test in trichinelosis and leishmaniasis with blood collected on filter paper. Iancu L. Rom Med Rev 15:11-4, Jan-Mar 71
[Laboratory diagnosis of trichinosis. Results and experiences from the epidemic in the area of Diez in 1967] Husmann KH, et al.
Oeff Gesundheitswes 32:482-8, Sep 70 (Ger)
[A new technic for diagnosis of human and animal trichinosis with immunofluorescence] Baldelli B, et al. Boll Soc Ital Biol Sper 45:1369-71, 15 Nov 69 (Ita)
[Comparative studies on the diagnosis of trichinosis using histological, histochemical and immunofluorescence methods] Gustowska L, et al.
Patol Pol 21:863-9, Oct-Dec 70 (Pol)

DRUG THERAPY

The effect of Cambendazole on Trichinella spiralis infections in mice. Duckett MG, et al.
J Helminthol 44:211-8, 1970
Effect of anti-inflammatory agents on spontaneous cure of Trichinella and Trichuris in mice. Campbell WC. J Parasitol 54:453-6, Jun 68
Anti-inflammatory and analgesic properties of thiabendazole. Campbell WC.
JAMA 216:2143, 28 Jun 71
[Experimental trichinosis. Action of 3 antimitotic agents on Trichinella spiralis] Gretillat S.
Bull Soc Pathol Exot 63:696-709, Nov-Dec 70 (Fre)
[Action of 2 antimitotics on larval cysts of Trichinella spiralis and their application to the treatment of experimental trichinosis] Grétillat S.
C R Acad Sci [D] (Paris) 271:873-6, 7 Sep 70 (Fre)
[The fate of Trichinellae after trichlorphon-treatment in the animal experiment. 3] Lamina J.
Zentralbl Bakteriol [Orig] 214:272-80, 1970 (Ger)
[Changes in several laboratory indiced during corticosteroid therapy of trichinosis] Klein IuS.
Med Parazitol (Mosk) 39:525-8, Sep-Oct 70 (Rus)
[The search for specific therapy for trichinosis. VI. The chemical structure and anti-trichinosis activity of benzimidazole derivatives] Kolosova MO, et al.
Med Parazitol (Mosk) 39:528-32, Sep-Oct 70 (Rus)

ENZYMOLOGY

Trichinella spiralis: enzymes reducing and oxidizing cytochrome c in rat muscles. Hryniewiecka L, et al.
Exp Parasitol 28:544-50, Dec 70
Trichinella spiralis: diagnostic value of creatine kinase levels in rat and man. Wiśniewska M.
Exp Parasitol 28:577-84, Dec 70
Histochemical investigations on the activity of some phosphatases in skeletal muscles of mice under the influence of infection with Trichinella spiralis. Seniuta R.
Folia Histochem Cytochem (Krakow) 9:95-116, 1971
[The modification of cholinesterase and acetylcholinesterase by a phosphoric acid ester compound Tiguvon (Bayer) in mice experimentally infected with trichinae] Ramisz A, et al.
Zentralbl Bakteriol [Orig] 204:289-98, 1967 (Ger)

ETIOLOGY

Infectivity of the newborn larva of Trichinella spiralis in the rat. Dennis DT, et al. J Parasitol 56:974-7, Oct 70
[Vector function of carrion beetles (Silphidae, Carabidae) in the transmission of trichinosis] Kullmann E, et al. Z Parasitenkd 35:234-40, 1971 (Ger)

IMMUNOLOGY

Trichinella spiralis and Schistosoma mansoni: specificity of in vitro, leukocyte-mediated histamine release from rabbit platelets. Colwell EJ, et al.
Exp Parasitol 29:263-70, Apr 71
Macrophage inhibition produced by guinea pig after sensitization with a larval antigen of Trichinella spiralis. Cypess R, et al. J Parasitol 57:103-6, Feb 71
Studies on delayed (cellular) hypersensitivity in mice infected with Trichinella spiralis. VI. Results in recipients injected with antiserum or "freeze-thaw" spleen cells. Larsh JE Jr, et al.
J Parasitol 56:1206-9, Dec 70
Studies on delayed (cellular) hypersensitivity in mice infected with Trichinella spiralis. V. Tests in recipients injected with donor spleen cells 1, 3, 7, 14, or 21 days before infection. Larsh JE Jr, et al.
J Parasitol 56:978-81, Oct 70
Comparative effects of cortisone and ACTH on golden and chinese hamsters infected with Trichinella spiralis. Ritterson AL, et al.
J Parasitol 54:822-6, Aug 68
Demonstration of homocytotropic reaginlike antibodies in mice and rabbits infected with Trichinella spiralis. Sadun EH, et al.
J Parasitol 54:814-21, Aug 68
Increased sensitivity of Trichinella-infected mice to serotonin and histamine. Briggs NT, et al.
Life Sci [I] 9:797-802, 15 Jul 70
Search for trichinella infection in Western Samoa and Fiji. Berman HA, et al. Med J Aust 2:583-4, 26 Sep 70
[Correlation between the extent of Trichinella spiralis invasion of mice and transplantation immunity suppression] Cherniakhovskaia IIu, et al.
Dokl Akad Nauk SSSR 196:1490-2, 21 Feb 71 (Rus)
[Suppression of transplantation immunity in mice infected by Trichinella spiralis] Svet-Moldavskiĭ GIa, et al. Dokl Akad Nauk SSSR 190:999-1000, Feb 70 (Rus)

METABOLISM

Intestinal malabsorption of D-glucose in mice infected with Trichinella spiralis. Olson LJ, et al.
J Parasitol 54:445-51, Jun 68

MORTALITY

[A case of death in a trichinosis epidemic] Walther G, et al. Med Welt 22:1041-4, 19 Jun 71 (Ger)

OCCURRENCE

Trichinellosis in the Iberian peninsula. Azevedo JF de, et al.
An Esc Naci Saude Publica Med Trop (Lisb) 3:11-7, Jan-Dec 69
Trichinosis in the United States, 1969. Harbottle JE, et al. J Infect Dis 122:568-9, Dec 70
[Clinical and epidemiological observations on a focus of trichinelliasis of a familial type] Kovács F, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:415-21, Sep-Oct 70 (Rum)
[Outbreak of trichinosis in the Briansk region in 1968]
Katorgina LK.
Med Parazitol (Mosk) 39:241-2, Mar-Apr 70 (Rus)
[Possible routes of trichinosis infection among the population of the Chukotskiĭ region] Vol'fson AG.
Med Parazitol (Mosk) 38:458-61, Jul-Aug 69 (Rus)
[Epidemiologic trends of trichinosis in Santiago de Chile] Schenone H, et al.
Bol Chil Parasitol 25:46-51, Jan-Jun 70 (Spa)
[Epidemic of trichinellosis at Koromia] Mittermayer T, et al. Bratisl Lek Listy 55:465-9, 1971 (Slo)

PHYSIOPATHOLOGY

Effects on litter size and litter survival in Swiss mice infected with Trichinella spiralis during gestation. Weatherly NF. J Parasitol 57:298-301, Apr 71
[Adrenocortical function in the course of human trichinosis] Dziubek Z.
Przegl Epidemiol 24:399-405, 1970 (Pol)
[Evaluation of the role of the liver in trichinosis] Januszkiewicz J, et al.
Przegl Epidemiol 24:389-97, 1970 (Pol)

VETERINARY

Trichinosis in bears in northeastern United States. Harbottle JE, et al.
HSMHA Health Rep 86:473-6, May 71
On the absence of Trichinella spiralis in Mongooses and rodents in Jamaica. West Indies. Alicata JE, et al.
J Parasitol 57:867, Aug 71
Comparative development of temperate zone and arctic isolates of Trichinella spiralis in the white mouse. Arakawa A, et al. J Parasitol 57:526-30, Jun 71
Immunogenicity of the newborn larva of Trichinella spiralis. Despommier DD. J Parasitol 57:531-4, Jun 71
Evaluation of the trichinosis pilot project. Andrews JS, et al. Proc US Anim Health Assoc 73:332-53, 1969
Studies on the immunologic host-parasite relationships. II. Comparative electrophoretic and immunoelectrophoretic studies on experimental Trichinella spiralis infection in swine and sheep. Pavlov P, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Z Immunitaetsforsch Exp Klin Immunol 141:398-405, Jun 71

[Preliminary note on the epidemiology of trichinosis in wild animals in Western Africa] Grétillat S, et al. Bull WHO 43:749-57, 1970 (Fre)

[Trichinosis in animals in Chukotsk] Lukashenko NP, et al. Med Parazitol (Mosk) 39:682-7, Nov-Dec 70 (Rus)

[Allergologic diagnosis of trichinosis in swine] Bessonov AS. Veterinariia 11:31-2, Nov 70 (Rus)

[Strengthening the control of animal trichinosis] Dukatsenko VG, et al. Veterinariia 12:50-2, Dec 70 (Rus)

[Caudophagia--a new link in the epizootology of porcine trichinosis] Vlshniakov IuI, et al. Veterinariia 1:118-20, Jan 71 (Rus)

[Trichinosis in animals in Chile] Alvarez V, et al. Boi Chil Parasitol 25:83-6, Jan-Jun 70 (Spa)

TRICHLOROACETIC ACID (D2)

Colorimetric determination of vitamin A with trichloroaceiic acid. Bayfield RF. Anal Biochem 39:282-7, Feb 71

The effect of protein precipitants on alpha-chymotrypsin and other enzymes. Saidel LJ, et al. Indian J Biochem 7:157-61, Sep 70

Sodium trichloroacetate as a denaturation reagent for proteins. Takenaka A, et al. J Biochem (Tokyo) 70:63-73, Jul 71

Studies on a glycoprotein of fetal calf serum that protects nucleic acids from acid precipitation. Antonogiou O, et al. Proc Soc Exp Biol Med 136:1360-2, Apr 71

ADMINISTRATION & DOSAGE

[Cauterization of corneal herpetic diseases uflng trichloroacetic acid] Sedláček J. Cesk Oftalmol 26:373, Nov 70 (Cze)

ADVERSE EFFECTS

[Side effects of the herbicide NaTa (Na-trichloroacetate) in carp. I. Gills] Schulz D. Zentralbl Veterinaermed [A] 17:230-51, Mar 70 (Ger)

URINE

Excretion kinetics of urinary metabolites in a patient addicted to richloroethylene. Ikeda M, et al. Br J Ind Med 28:203-6, Apr 71

A simple method for the quantitative analysis of urinary trichloroethanol and trichloroacetic acid as an index of trichloroethylene exposure. Ogata M, et al. Br J Ind Med 27:378-81, Oct 70

Metabolism of trichloroethylene in human. Sex difference in urinary excretion of trichloroacetic acid and trichloroethanol. Nomiyama K, et al. Int Arch Arbeitsmed 28:37-48, 1971

[Determination of trichloracetic acid and trichlorethanol in the urine of tri-workers] Weichardt H, et al. Zentralbl Arbeitsmed 20:219-21, Jul 70 (Ger)

[Rapid semimicromethod and screening test for the determination of trichloroacetic acid in urine] Grisler R, et al. Med Lav 61:509-14, Oct 70 (Ita)

TRICHLOROETHYLENE (D2, D6)

The formation of dichloroacetyl chloride and phosgene from trichloroethylene in the atmosphere of welding shop. Dahlberg JA, et al. Ann Occup Hyg 14:269-74, Sep 71

Antibacterial action of anaesthetic vapours. Divekar VM. Br J Anaesth 43:207, Feb 71

Intermittent inhalation of methoxyflurane and trichloroethylene as analgesics in burns dressings procedures. Laird SM, et al. Br J Anaesth 43:149-59, Feb 71

Halothane-trichloroethylene combination: a reappraisal. Scott DL, et al. Br J Anaesth 43:107, Jan 71

A simple method for the quantitative analysis of urinary trichloroethanol and trichloroacetic acid as an index of trichloroethylene exposure. Ogata M, et al. Br J Ind Med 27:378-81, Oct 70

Narcohypnosis with triiene. Jončev V, et al. Folia Med (Plovdiv) 11:281-7, 1969

Behavior of chlorohydrocarbon solvents in the welding environment. Rinzema LC. Int Arch Arbeitsmed 28:151-74, 1971

[Trichlorethylene addiction: a discussion on the basis of observed cases] Januszkiewicz-Grabias A, et al. Psychiatr Pol 4:395-9, Jul-Aug 70 (Pol)

ADVERSE EFFECTS

[Liver damage in occupational exposure to trichloroethylene] Schüttmann W. Dtsch Z Verdau Stoffwechselkr 30:43-5, 1970 (Ger)

ANALYSIS

Vapor pressure tables. De Jong RH. Anesthesiology 34:569-70, Jun 71

Estimation of trichloroethylene exposure by biological materials. Nomiyama K. Int Arch Arbeitsmed 27:281-92, 1971

METABOLISM

Excretion kinetics of urinary metabolites in a patient addicted to richloroethylene. Ikeda M, et al. Br J Ind Med 28:203-6, Apr 71

Metabolism of trichloroethylene in human. Sex difference in urinary excretion of trichloroacetic acid and trichloroethanol. Nomiyama K, et al. Int Arch Arbeitsmed 28:37-48, 1971

PHARMACODYNAMICS

Effects of exposure to spot remover. Litt IF, et al. Arch Environ Health 21:811, Dec 70

Comparative effect of pethidine, trichloroethylene, and Entonox on fetal and neonatal acid-base and PO2. Phillips TJ, et al. Br Med J 3:558-60, 4 Sep 71

The effect of anaesthetics on the electroretinogram and the visually evoked response in the rabbit. Gerritsen BG. Doc Ophthalmol 29:289-330, 14 May 71

[Studies of the possible bactericidal or bacteriostatic action of ethyl ether, trichloroethylene, fluothane and methoxyflurane] Consorti P, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:128-37, 1968 (Ita)

[Use of trichlorethylene in a mixture with air for anesthesia during the labor] Chernobaĭ VP. Akush Ginekol (Mosk) 46:68-71, May 70 (Rus)

[Rotilan anesthesia in induced abortion] Vaĭnberg IA, et al. Akush Ginekol (Mosk) 46:73, Jul 70 (Rus)

POISONING

Sniffing syndrome. Cragg J. Br Med J 2:334, 8 May 71

Glue sniffing: report of a fatal case. Musciow CK, et al. Can Med Assoc J 104:315-9, 20 Feb 71

A fatality associated with trichloroethylene inhalation. Cragg J, et al. Med Sci Law 10:112-4, Apr 70

[Cardiac manifestations of trichlorethylene poisoning] Gaultier M, et al. Ann Cardiol Angeiol (Paris) 20:185-90, May-Jun 71 (Fre)

[Acute trichloroethylene poisoning] Jouglard J, et al. Mars Med 107:879-90, 1970 (Fre)

[Trichloroethylene toxicomania. Apropos of a case] Védrinne J, et al. Med Leg Domm Corpor (Paris) 1:374-6, Oct 68 (Fre)

[Unresolved cause of death due to inadequate investigation?] Iffland R. Z Rechtsmed 67:258-80, 1970 (Ger)

[Case of drug addiction with inhalation of "tri" and lethal outcome] Migdal A, et al. Wiad Lek 24:471-4, 1 Mar 71 (Pol)

[Accidental poisoning with trichlorethylene] Hristić L, et al. Med Glas 24:376-9, Jul-Aug 70 (Cro)

TOXICITY

Subacute and chronic trichloroethylene poisoning: a neuropathological study in rabbits. Bartoníček VJ, et al. Acta Pharmacol Toxicol (Kbh) 28:359-69, 1970

Centrilobular hepatic necrosis and acute renal failure in "solvent sniffers". Baerg RD, et al. Ann Intern Med 73:713-20, Nov 70

Evaluation of the psychophysiological functions in humans exposed to trichloroethylene. Salvini M, et al. Br J Ind Med 28:293-5, Jul 71

The investigation of the mental effects of trichlorethylene. Smith GF. Ergonomics 13:580-6, Sep 70

[Morpho-histochemical changes in the liver under the effect of anesthetic doses of fluothane and trilene] Kiseleva AF, et al. Vrach Delo 12-6, Jan 71 (Rus)

TRICHOCEPHALIASIS see TRICHURIASIS (C1)

TRICHOCEPHALUS see under TRICHUROIDEA (B1)

TRICHOMONACIDES see under ANTIPROTOZOAL AGENTS (D3)

TRICHOMONAS (B1)

Preservation of Trichomonas vaginalis in liquid nitrogen. Wasley GD, et al. Br J Vener Dis 46:323-5, Aug 70

A new species of Tritrichomonas from the caecum of the bird Coturnix coturnix Linnaeus. Navarathnam ES. Riv Parassitol 31:9-14, Mar 70

An account of the genus Pentatrichomonas Mesnil, 1914 from the Indian birds and mammals. Navarathnam ES. Riv Parassitol 31:99-106, Jun 70

[Comparative microscopy, culture and serology studies on Trichomonas vaginalis] Beck KJ, et al. Geburtshilfe Frauenheilkd 31:551-60, Jun 71 (Ger)

CYTOLOGY

[Demonstration of the endocytosis process and lysosome structures in Trichomonas vaginalis] Brugerolle G. C R Acad Sci [D] (Paris) 272:2558-60, 17 May 71 (Fre)

[Ultrastructure of the membrane of the phagocytotic vesicles of Trichomonas vaginalis] Filadoro F. Riv Biol 63:447-53 passim, Jul-Dec 70 (Mul)

DRUG EFFECTS

Microbiological study of copiamycin. Seiga K, et al. Appl Microbiol 21:968-9, Jun 71

In vivo resistance to metronidazole induced on four recently isolated strains of Trichomonas vaginalis. De Carneri I, et al. Arzneim Forsch 21:377-81, Mar 71

The mode of action of metronidazole against Trichomonas vaginalis. Edwards DI, et al. J Gen Microbiol 63:297-302, Nov 70

[Contribution to the research of new trichomonacides] Cavier R. Bull Acad Natl Med (Paris) 154:912-5, 15 Dec 70 (Fre)

[Strains of Trichomonas vaginalis resistant to metronidazole] Korik LM. Vestn Dermatol Venerol 45:77-80, Jan 71 (Rus)

[Comparative studies on various compounds with trichomonacidal activity] Savoia, et al. Ginecol Obstet Mex 28:557-62, Nov 70 (Spa)

[Life cycle of urogenital trichomonas under the influence of some chemicals] Padchenko IK. Pediatr Akush Ginekol 2:53-5, 1971 (Ukr)

ENZYMOLOGY

Some enzyme and isoenzyme activities in Trichomonas vaginalis. Chýle M, et al. Folia Microbiol (Praha) 16:142-3, 1971

[Some enzymes and isoenzymes of Trichomonas vaginalis and changes in their activities after inoculation with live mamalian virus] Chýle M, et al. Cas Lek Cesk 110:234-6, Mar 71 (Cze)

GROWTH & DEVELOPMENT

[Differences in cultivation on synthetic media of Trichomonas vaginalis Donné isolated from men and women of different ages] Panaitescu D. Arch Roum Pathol Exp Microbiol 29:275-80, Mar-Jun 70 (Fre)

[Attempts to adapt Entamoeba histolytica to various protozoan species in Diamond's TTY medium] Westphal A, et al. Z Tropenmed Parasitol 22:149-56, Jun 71 (Ger)

[Investigations on cultivation and biology of Trichomonas vaginalis] Christoe P. Zentralbl Bakteriol [Orig] 217:540-53, Aug 71 (Ger)

[Experiments on the influence of metabolites and antimetabolites on the model of Trichomonas vaginalis. I. Experiments with the vitamin-B 2 -complex] Christow CP. Zentralbl Bakteriol [Orig] 217:381-402, Jul 71 (Ger)

[Long-term cultivation of Trichomonas vaginalis strains at the temperature of 28 degrees C] Abarbarchuk EIa, et al. Med Parazitol (Mosk) 38:281-4, May-Jun 69 (Rus)

IMMUNOLOGY

[Demonstration of the alleggic delayed-reaction type in mice following sensitization with Trichomonas vaginalis and a further contribution on the specificity of the peritoneal cell reaction] Michel R. Z Tropenmed Parasitol 22:91-7, Mar 71 (Ger)

ISOLATION & PURIFICATION

Diagnosis of Trichomonas foetus infection in bulls. Clark BL, et al. Aust Vet J 47:181-3, May 71

The isolation of trichomonads from pigeons. Grimes TM, et al. Aust Vet J 47:169-1, Apr 71

[New method of staining Trichomonas] Francechini P. Presse Med 79:484-7, 27 Feb 71 (Fre)

[Experiences with the CACH medium for the demonstration of trichomonas and yeasts in women with vaginitis] Müller WA, et al. Mykosen 11:883-91, 1 Dec 68 (Ger)

[Parasitic protozoa in the human oral cavity and their clinical importance] Musaev FA. Stomatologiia (Mosk) 50:80-2, May-Jun 71 (Rus)

[Method of estimating trichomonads in cultures] Sunaĭkin AA. Veterinariia 10:115-6, Oct 70 (Rus)

METABOLISM

The maltose metabolism of Trichomonas gallinae (Rivolta, 1878). II. Metabolic studies. Daly JJ. J Parasitol 57:370-4, Apr 71

PATHOGENICITY

Pathogenicity of Trichomonas vaginalis. a clinical and biologic study. Knlda J, et al. Am J Obstet Gynecol 106:908-18, 15 Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Behavior and pathogenicity of Trichomonas vaginalis Donné in chick liver cell cultures. Farris VK, et al. J Parasitol 56:849-52, Oct 70
Pathogenicity of Trichomonas hominis to splenectomized rats. al-Dabagh MA, et al. Trans R Soc Trop Med Hyg 64:826-8, 1970
[Study of experimental Trichomonas vaginalis endoparasitism in the mouse. I. Conditions of infestation and obtaining of visceral lesions with various strains of the flagellate] Gobert JG, et al. Ann Parasitol Hum Comp 44:677-86, Nov-Dec 69 (Fre)

TRICHOMONAS INFECTIONS (C1)

A new species of Tritrichomonas from the caecum of the bird Coturnix coturnix Linneaus. Navarathnam ES. Riv Parassitol 31:9-14, Mar 70
An account of the genus Pentatrichomonas Mesnil, 1914 from the Indian birds and mammals. Navarathnam ES. Riv Parassitol 31:99-106, Jun 70
[Study of experimental Trichomonas vaginalis endoparasitism in the mouse. I. Conditions of infestation and obtaining of visceral lesions with various strains of the flagellate] Gobert JG, et al. Ann Parasitol Hum Comp 44:677-86, Nov-Dec 69 (Fre)
[Case of balanoposthitis trichomonadosa] Gwieździński Z, et al. Pol Tyg Lek 26:642-3, 26 Apr 71 (Pol)

COMPLICATIONS

[Sterility in urogenital trichomoniasis] Schmör J. Wien Med Wochenschr 120:808-12, 14 Nov 70 (Ger)
[Metronidazole as a possible reason for difficulty in diagnosis of syphilis] Il'in II, et al. Vestn Dermatol Venerol 45:74-6, Feb 71 (Rus)

DIAGNOSIS

Genito-urinary richomoniasis. Kumar K, et al. Indian J Med Sci 24:621-5, Oct 70
[Biological and medico-legal aspects of the diagnosis of Gonococcus and Trichomonas infections] Frogé E, et al. Med Leg Domm Corpor (Paris) 3:229-35, Jul-Sep 70 (Fre)
[New method of staining Trichomonas] Francechini P. Presse Med 79:486-7, 27 Feb 71 (Fre)
[The significance of trichomoniasis in the diagnosis and treatment of inflammatory processes of the excretory urinary tract] Thimm R. Z Aerztl Fortbild (Jena) 64:642-3, 15 Jun 70 (Ger)
[Diagnostic importance of the complement fixation test for the demonstration of Trichomonas vaginalis infections] Philipp G, et al. Zentralbl Gynaekol 92:465-8, 11 Apr 70 (Ger)

DRUG THERAPY

Therapeutic efficacy of new nitroimidazoles for experimental trichomoniasis, amebiasis, and trypanosomiasis. Cuckler AC, et al. Am J Trop Med Hyg 19:916-25, Nov 70
Tinidazole, a new antiprotozoal agent: Effect on Trichomonas and other protozoa. Howes HL Jr, et al. Antimicrob Agents Chemother 9:261-6, 1969
Tinidazole and metronidazole pharmocokinetics in man and mouse. Taylor JA Jr, et al. Antimicrob Agents Chemother 9:267-70, 1969
Nitrimidazine in the treatment of trichomoniasis. Moffett M, et al. Br J Vener Dis 47:173-6, Jun 71
Metronidazole in trichomoniasis. Sadana SR, et al. Indian J Med Sci 24:617-20, Oct 70
Dimetridazole, a systemic treatment for bovine venereal trichomoniasis. II. Intravenous administration. McLoughlin DK. J Parasitol 54:1038-9, Oct 68
Perspectives in the treatment of protozoal diseases resistant to metronidazole. De Carneri I. Trans R Soc Trop Med Hyg 65:268-70, 1971
[Pharmacologic test of trichomonacids] Cavier R. Ann Pharm Fr 27:207-16, Mar 69 (Fre)
[Nitrimidazone, a new systemic trichomonacide] Cantone A, et al. G Mal Infett Parassit 21:954-8, Dec 69 (Ita)
[Trichomonacide therapy in pregnancy. On the use of metronidazole] Pagnozzi A, et al. Minerva Ginecol 21:857-60, 15 Jul 69 (Ita)
[Chemotherapeutic activity of liutenurin in experimental trichomoniasis of white mice] Rubinchik MA, et al. Med Parazitol (Mosk) 40:197-201, Mar-Apr 71 (Rus)
[Parasitic protozoa in the human oral cavity and their clinical importance] Musaev FA. Stomatologiia (Mosk) 50:80-2, May-Jun 71 (Rus)
[Study of the effectiveness of several brands of metronidazole in experiments and clinical practice] Liubimova LK, et al. Vestn Dermatol Venerol 43:61-5, Aug 69 (Rus)
[A new domestic drug -chlomisole- for trichomonas therapy in women] Potapnev FV. Vestn Dermatol Venerol 43:74-9, Aug 69 (Rus)

IMMUNOLOGY

Effect of different immunization procedures on agglutination and precipitation reactions of Trichomonas gallinae. Honigberg BM, et al. J Parasitol 57:383-9, Apr 71

OCCURRENCE

The incidence of trichomoniasis and dysuria in pregnant women in Eastern Uganda. Lightman SL, et al. Trop Geogr Med 23:113-4, Mar 71
[Infection of the sex organs in the years 1964-1966 and 1967-1969] Zuber E, et al. Pol Tyg Lek 25:1457-8, Sep 70 (Pol)

PATHOLOGY

[Study of experimental Trichomonas vaginalis endoparasitism in the mouse. II. Cytological and histological study] Gobert JG, et al. Ann Parasitol Hum Comp 44:687-96, Nov-Dec 69 (Fre)

PREVENTION & CONTROL

[Possibilities in influencing the occurrence of trichomoniasis] Valent M. Bratisl Lek Listy 56:21-8, 1971 (Slo)

VETERINARY

Diagnosis of Trichomonas foetus infection in bulls. Clark BL, et al. Aust Vet J 47:181-3, May 71
The isolation of trichomonads from pigeons. Grimes TM, et al. Aust Vet J 47:160-1, Apr 71
Hygromycin-B induction of trichomoniasis in pigeons (Columba livia). Conrad RD, et al. Avian Dis 14:599-605, Nov 70
A new avian trichomonad. Mukherjee AK, et al. Bull Calcutta Sch Trop Med 18:36-7, Apr 70
Dimetridazole, a systemic treatment for bovine venereal trichomoniasis. II. Intravenous administration. McLoughlin DK. J Parasitol 54:1038-9, Oct 68
Passive immunization of pigeons against trichomoniasis. Kocan RM. J Protozool 17:551-3, Nov 70
Trichomonas sp. from reptiles of Ceylon. Kannangara DW. Trans R Soc Trop Med Hyg 64:935, 1970
A simplified treatment of trichomoniasis in the bull. Hidalgo MA, et al. Vet Rec 87:161-3, 8 Aug 70
[Study of the efficacy of metronidazole in trichomoniasis] Khodorovskif A, et al. Veterinariia 10:104-5, Oct 70 (Rus)

TRICHOMONAS PROSTATO-SEMINO-VESICULITIS (C1, C6)

[Trichomonad ulcers of the penis] Levin MM, et al. Vestn Dermatol Venerol 44:82-4, Aug 70 (Rus)

DRUG THERAPY

[Value of simultaneous treatment of the partner in recurrent vaginal trichomoniasis] Sbriglio VS, et al. Minerva Ginecol 21:987-93, 15 Aug 69 (Ita)

TRICHOMONAS URETHRITIS (C1, C6)

Trichomonal urethritis in the male. Ward JN. Mod Treat 7:1015-6, Sep 70 (2 ref.)
[Trichomonas ulcers of the penis] Lopatin AI. Vestn Dermatol Venerol 44:78-9, Mar 70 (Rus)

COMPLICATIONS

[Inflammation of Cowper's glands as a complication of trichomonas urethritis] Lopatin AI. Vestn Dermatol Venerol 43:79-82, Aug 69 (Rus)
[Comparative evaluation of the results of treatment in men with mixed trichomonal-gonorrheal urethritis] Zelikman MA. Vestn Dermatol Venerol 44:61-4, Oct 70 (Rus)

DRUG THERAPY

[Treatment of vaginal fluor] Kümmel G. Med Welt 2:65-6, 9 Jan 71 (Ger)
[Oxacillin of therapy non-gonorrheal inflammatory diseases of the urogenital organs] Lopatin AI. Antibiotiki 15:1128-30, Dec 70 (Rus)
[Some clinico-laboratory observations on the effectiveness of levorin in women with urogenital trichomoniasis] Turanova EN, et al. Vestn Dermatol Venerol 44:53-6, Nov 70 (Rus)
[Comparative evaluation of the results of treatment in men with mixed trichomonal-gonorrheal urethritis] Zelikman MA. Vestn Dermatol Venerol 44:61-4, Oct 70 (Rus)
[Life cycle of urogenital trichomonas under the influence of some chemicals] Padchenko IK. Pediatr Akush Ginekol 2:53-5, 1971 (Ukr)

PATHOLOGY

[The mucous membrane of the urogenital tract in trichomoniasis and gonorrhea] Khaidarly IN, et al. Akush Ginekol (Mosk) 46:55-8, Oct 70 (Rus)

PREVENTION & CONTROL

[Prevention of urogenital trichomonas infections] Padchenko IK. Pediatr Akush Ginekol 4:56-8, Jul-Aug 70 (Ukr)

TRICHOMONAS VAGINITIS (C1, C6)

COMPLICATIONS

The epidemiology of trichomoniasis and the role of this infection in the development of carcinoma of the cervix. Bertini B, et al. Acta Cytol (Baltimore) 14:325-32, May 70
[Trichomoniasis and cancer of the cervix uteri] Barats AM. Sov Med 33:147, Oct 70 (Rus)

DIAGNOSIS

Mycoplasma and vaginal cytology. Mårdh PA, et al. Acta Cytol (Baltimore) 15:310-5, May-Jun 71
Polyester sponge swabs to facilitate examination for genital infection in women. Oates JK, et al. Br J Vener Dis 47:289-92, Aug 71
Genito-urinary richomoniasis. Kumar K, et al. Indian J Med Sci 24:621-5, Oct 70
Pitfalls in the diagnosis of Trichomonas vaginalis by the Papanicolaou smear. Perl G. Mt Sinai J Med NY 37:632-4, Sep-Oct 70
[Comparative studies on the diagnostic value of some laboratory methods in vaginal trichomoniasis] Stoilov L. Akush Ginekol (Sofiia) 9:319-23, 1970 (Bul)
[Comparative microscopy, culture and serology studies on Trichomonas vaginalis] Beck KJ, et al. Geburtshilfe Frauenheilkd 31:551-60, Jun 71 (Ger)
[Trichomonas vaginalis and the screening methods for cervix carcinoma] Tatra G, et al. Wien Med Wochenschr 120:258-60, 11 Apr 70 (Ger)
[Diagnostic importance of the complement fixation test for the demonstration of Trichomonas vaginalis infections] Philipp G, et al. Zentralbl Gynaekol 92:465-8, 11 Apr 70 (Ger)
[On trichomoniasis in Israel (a cytological, hormonal, and epidemiological study)] Bertini B, et al. Harefuah 77:459-66, 16 Nov 69 (Heb)
[Vaginal trichomoniasis: epidemiologic, statistical and clinical data in relation to the mass screening for uterine neoplasms] Montemezzi L, et al. Fracastoro 63:833-44, Nov-Dec 70 (Ita)
[Clinical experience in the use of the 605-colposcope] Khentov RA, et al. Nov Med Priberostr 3:45-9, 1970 (Rus)

DRUG THERAPY

Nitrimidazine in the treatment of Trichomonas vaginalis vaginitis. Cohen L. Br J Vener Dis 47:177-8, Jun 71
Treatment of trichomoniasis in the female with a 5-day course of metronidazole (Flagyl). McClean AN. Br J Vener Dis 47:36-7, Feb 71
Detection of the antitrichomonal drug nitrimidazine (Naxogin) in urine. Morrison GD, et al. Br J Vener Dis 47:38-9, Feb 71
Trichomoniasis in a closed community: efficacy of metronidazole. Keighley EE. Br Med J 1:207-9, 23 Jan 71
Trichomonas and oxytetracycline. Szanto S. Br Med J 2:467, 22 May 71
[Study of the trichomonacidal properties of pyrithione (1-hydroxy-2-(1,H)-pyridinethione sodium salt)] Cavier R, et al. Ann Pharm Fr 29:211-4, Mar 71 (Fre)
[Prevention of vaginal Candida proliferation by the use of Pimafucin vaginal tablets during metronidazole treatment] Alteras I. Brux Med 51:501-3, Jul 71 (Fre)
[Treatment of leukorrhea by polyvalent gynecologic capsues possessing antimicrobic, antifungal and antitrichomonas activity] Linquette M, et al. Lille Med Suppl 5:806-9, Aug-Sep 69 (Fre)
[Clinical therapeutic trial of Fasigyn in vaginal trichomoniasis] Dubois P, et al. Rev Med Liege 25:586-90, 15 Sep 70 (Fre)
[Clinical study on the effectiveness of vaginal cream with metronidazole base in treatment of trichomonas vaginitis] Meunier P. Union Med Can 99:139-41, Jan 70 (Fre)
[Treatment of vaginal fluor] Kümmel G. Med Welt 2:65-6, 9 Jan 71 (Ger)
[Treatment of fluor vaginalis with the polyvalent combination preparation trichocid] Crevoisier P, et al. Praxis 59:1401-4, 6 Oct 70 (Ger)
[MK-915, a newreparation for the oral treatment of trichomonas colpitis] Liechti R. Schweiz Med Wochenschr 100:2117-20, 5 Dec 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Treatment of trichomoniasis vaginalis] Heiss H.
Wien Med Wochenschr 121:30-3, 16 Jan 71 (Ger)
[Pimafucin--a polyvalent vaginal therapeutic agent] Heynen U. Z Allgemeinmed 47:829-30, 31 Jun 71 (Ger)
[Nitrimidazine in the therapy of trichomonas vaginitis] Cavaglieri D, et al.
Ann Ostet Ginecol 92:133-5, Feb 70 (Ita)
[Therapy of trichomonas vaginitis with nifuratel (Macmiror)] Di Paola M, et al.
Minerva Ginecol 22:853-6, 15 Sep 70 (Ita)
[Effect of Deflamon on Trichomonas vaginalis] Kábátová A, et al.
Minerva Ginecol 22:837-41, 15 Sep 70 (Ita)
[On the treatment of vaginal trichomoniasis with a new imidazole preparation, Nitrimidazine] Ricci M.
Minerva Ginecol 22:987-92, 31 Oct 70 (Ita)
[Value of simultaneous treatment of the partner in recurrent vaginal trichomoniasis] Sbriglio VS, et al.
Minerva Ginecol 21:967-93, 15 Aug 69 (Ita)
[Therapy of polymicrobic vaginal infections with a tetracycline-amphotericin combination] Villani L, et al. Minerva Ginecol 22:880-6, 30 Sep 70 (Ita)
[Treatment of vaginal trichomoniasis with Takimetol tablets (metronidazole preparation)] Ishikawa H, et al. Sanfujinka Jissai 20:99-103, Jan 71 (Jap)
[Current problems concerning trichomoniasis] Bredland R.
Tidsskr Nor Laegeforen 91:379-81, 20 Feb 71 (Nor)
[Treatment of trichomonas vaginitis using a new drug (nitrimidazine)] Barros M de.
Hospital (Rio de J) 77:2023-7, Jun 70 (Por)
[Treatment of vaginitis due to trichomonas. Results of the use of a new imidazole compound: nitrimidazine] Oliveira AM de, et al.
Hospital (Rio de J) 78:199-215, Jul 70 (Por)
[Treatment of genital trichomoniasis using nitrimidazine in pregnant patients] Oliveira FC, et al.
Hospital (Rio de J) 78:561-5, Aug 70 (Por)
[Treatment of pregnancy infections caused by monilia and Trichomonas with nifuratel] Chamma Neto M, et al. Rev Bras Med 26:599-601, Oct 69 (Por)
[Clinical experience with nifuratel] Wainstock J, et al.
Rev Bras Med 26:675-81, Nov 69 (Por)
[Topical treatment of trichomonal colpitis and candidamycosis of the vagina] Egorova EV.
Sov Med 33:99-102, 1970 (Rus)
[Study of the effectiveness of several brands of metronidazole in experiments and clinical practice] Liubimova LK, et al.
Vestn Dermatol Venerol 43:61-5, Aug 69 (Rus)
[Some clinico-laboratory observations on the effectiveness of levorin in women with urogenital trichomoniasis] Turanova EN, et al.
Vestn Dermatol Venerol 44:53-6, Nov 70 (Rus)
[Evaluation of a new oral trichomonicid] Delgado Urdapilleta J, et al.
Ginecol Obstet Mex 29:515-9, May 71 (Spa)
[Nitrimidazine in the treatment of vaginal trichomoniasis] Rodríguez Argüelles J, et al.
Ginecol Obstet Mex 27:713-8, Jun 70 (Spa)
[Life cycle of urogenital trichomonas under the influence of some chemicals] Padchenko IK.
Pediatr Akush Ginekol 2:53-5, 1971 (Ukr)

ETIOLOGY

[Oral estroprogestins as a cause of vaginal mycosis] Gacci G, et al.
Minerva Ginecol 21:1111-3, 15 Sep 69 (Ita)

OCCURRENCE

Vaginal trichomoniasis and precancerous states of the cervix: a preliminary report. De Carneri I, et al.
J Obstet Gynaecol Br Commonw 77:1016-8, Nov 70
[Incidence of Trichomonas vaginalis and of aspecific vaginitis in an apparently healthy female population. Colposcopic and cytological aspects] Cuscianna B, et al. Minerva Ginecol 23:270-2, 31 Mar 71 (Ita)
[Incidence of vaginal trichomoniasis and microbial flora in hysterectomized patients] Arizaga Cruz JM, et al. Ginecol Obstet Mex 29:271-4, Mar 71 (Spa)

PATHOLOGY

[The mucous membrane of the urogenital tract in trichomoniasis and gonorrhea] Khafiarly IN, et al.
Akush Ginekol (Mosk) 46:55-8, Oct 70 (Rus)

PREVENTION & CONTROL

[Prevention of urogenital trichomonas infections] Padchenko IK.
Pediatr Akush Ginekol 4:56-8, Jul-Aug 70 (Ukr)

THERAPY

[Experience in dispensary treatment of female trichomoniasis] Sergeeva VG.
Vestn Dermatol Venerol 44:58-60, Jun 70 (Rus)

TRICHOMYCIN (D3)

ANALYSIS

Pyrolysis-gas chromatography of polyene antifungal antibiotics: The nature of candicidin, levorin and trichomycin. Burrows HJ, et al.
J Chromatogr 53:566-71, 23 Dec 71

TRICHOPHYTON (B5)

Trichophyton rubrum as the cause of kerion. Sanyal M, et al. Bull Calcutta Sch Trop Med 18:45-6, Apr 70
[Experiments on immunoprophylaxis of bovine trichophytosis] Kielstein P, et al.
Arch Exp Veterinaermed 24:1205-18, 1970 (Ger)
[Boarding school epidemic of an erythrasma-like inguinal tinea caused by Epidermophyton floccosum and Trichophyton mentagrophytes] Meinhof W, et al.
Hautarzt 22:192-9, May 71 (Ger)
[Trichophyton mentagrophytes infection in a breeding-swine herd] Kielstein P, et al.
Monatsh Vet Med 25:127-30, 15 Feb 70 (Ger)
[Dermatophytosis in pigs caused by Trichophyton mentagrophytes (Robin) Blanchard (1896)] Otčenášek M, et al.
Monatsh Vet Med 25:130-3, 15 Feb 70 (Ger)
[Dermatophytosis in humans caused by mixed infection of Trichophyton verrucosum and Trichophyton mentagrophytes of animal origin] Abou-Gabal M, et al.
Mykosen 11:647-50, 1 Sep 68 (Ger)
[Dermatophytosis in the white mouse] Cuturić S.
Mykosen 12:25-30, 1 Jan 69 (Ger)
[Therapeutic experiences with pimaricin skin ointment in deep trichophytoses] Michalowski R, et al. Mykosen 12:233-7, 1 Apr 69 (Ger)
[Reinfection trials with Trichophyton strains in guinea pigs and cattle] Plempel M, et al.
Mykosen 12:349-52, 1 Jun 69 (Ger)
[Hand mycosis caused by the yeast Candida parapsilosis concomitant with foot mycosis caused by the dermatophyte Trichophyton rubrum] Rieth H.
Mykosen 11:169-70, 1 Feb 68 (Ger)
[Changes in the clinical picture of the Trichophyton rubrum infection in the Soviet Union during the last 30 years] Rukawischnikowa WM, et al.
Mykosen 13:219-42, 1 May 70 (Ger)
[A dermatophyte (Trichophyton tonsurans) isolated from zoo animals] Schönborn C.
Mykosen 14:19-30, 1 Jan 71 (Ger)
[Initial appearance in Germany of a Trichophyton rubrum variant occurring in Nigeria] Schönborn C.
Mykosen 12:523-32, 1 Sep 69 (Ger)
[Testing of antimycotically active substances on the model of experimental cockscomb dermatophytosis. 3. Comparative histological studies of mycosis foci of the cockscomb and of the back skin of the guinea pig] Sulzmann R, et al. Mykosen 14:15-8, 1 Jan 71 (Ger)
[Plant origin of trichophytoses. 3] Szathmáry S.
Mykosen 13:551-61, 1 Nov 70 (Ger)
[Data on the origin of rural human trichophytoses. (Contribution to the work of Chmel, L., Buchvald, J. and Kleibl, K. "The role of enviromental factors on the development of natural foci of dermatomycoses"] Szathmáry S. Mykosen 11:217-26, 1 Mar 68 (Ger)
[Trichophyton rubrum in dermatology] Borda JM.
Arch Argent Dermatol 19:1-43, Mar-Jun 69 (Spa)
[Atypical manifestations of trichophytosis due to Trichophyton violaceum and the value of its early diagnosis] Kachnič M, et al.
Cesk Dermatol 45:245-52, Sep 70 (Slo)

CLASSIFICATION

A variant of Trichophyton mentagrophytes in Thailand. Chermsirivathana S, et al.
J Med Assoc Thai 54:274-6, Apr 71
Further observations on Trichophyton erinacei and T. proliferans. Rush-Munro FM, et al.
Sabouraudia 9:61-4, Mar 71
Observations on Trichophyton tonsurans. Vries GA de.
Sabouraudia 9:1-5, Mar 71
[Trichophyton thuringiense spec. nov] Koch HA.
Mykosen 12:287-90, 1 May 69 (Ger)
[Differentiation of Trichophyton mentagrophytes, Trichophyton quinckeanum and Trichophyton equinum by means of the nicotinic acid test] Rieth H, et al. Mykosen 13:617-8, 1 Dec 70 (Ger)
[What criteria give indication of the possibility of separating Trichophyton quinckeanum and Trichophyton mentagrophytes?] Rieth H.
Mykosen 12:335-6, 1 May 69 (Ger)

CYTOLOGY

Ultrastructure of the hyphal wall and septum of Trichophyton mentagrophytes. Pock-Steen B, et al.
J Invest Dermatol 55:404-9, Dec 70
The surface structure of saprophytic and parasitic dermatophyte spores. Smith JM, et al.
Mycopathol Mycol Appl 43:153-9, 19 Feb 71

DRUG EFFECTS

Treatment of long-term tinea pedis with miconazole. Double-blind clinical evaluation. Brugmans JP, et al.
Arch Dermatol 102:428-32, Oct 70
Anti-trichophytic action of 4-hydroxy-3-amino-butyric acid (GOBAB) and analogous substances. Nagai K.
Arzneim Forsch 20:1668-9, Oct 70
Mode of action of the antibiotic siccanin on intact cells and mitochondria of Trichophyton mentagrophytes. Nose K, et al. J Bacteriol 105:176-84, Jan 71
The effect of corticosteroids on serum fungistatic activity. Fisher M.
Mycopathol Mycol Appl 44:341-7, 28 May 71
Effect of antibodies on growth and structure of Trichophyton mentagrophytes. Grappel SF, et al.
Sabouraudia 9:50-5, Mar 71
[A filtration method for testing of the fungicidal activity of antifungal agents depending on concentration and exposition] Kejda J.
Mykosen 11:589-94, 1 Aug 68 (Ger)
[Testing of antimycotiecly active substances on the model of experimental cockscomb epidermophytosis. 2. Comparison of results of fungistasis, fungicidity and cockscomb epidermophytosis tests] Weuffen W, et al. Mykosen 13:39-44, 1 Jan 70 (Ger)
[On the possibilities of standardizing the test methods of fungicide agents in vitro: inoculum and radial growth of the macrocolonies of dermatophytes] Jesenská Z.
Zentralbl Bakteriol [Orig] 214:531-9, 1970 (Ger)
[In vitro griseofulvin sensitivity test as an auxiliary method for differentiation of Trichophyton mentagrophytes and T. rubrum] Otčenášek M, et al.
Zentralbl Bakteriol [Orig] 217:96-103, May 71 (Ger)

ENZYMOLOGY

Two cell-bound keratinases of Trichophyton mentagrophytes. Yu RJ, et al.
J Invest Dermatol 56:27-32, Jan 71
The cytochemical localisation of succinic dehydrogenase in Trichophyton rubrum. De Souza EJ, et al. J Postgrad Med 16:169-2, Jul 70
Enzymes of Trichophyton rubrum. Zussman RA, et al.
Mycopathol Mycol Appl 44:159-65, 3 May 71
[Proteinase activity of Trichophyton gypseum and Epidermophyton interdigitale in the saprophytic phase] Jesenská Z, et al.
Mykosen 13:123-9, 1 Mar 70 (Ger)

GROWTH & DEVELOPMENT

A conidial germination test in antifungal evaluations using dermatophytic organisms. Boyes RN, et al.
J Invest Dermatol 56:83-4, Feb 71
The leaf-litter origin of Trichophyton species. Szathmáry S.
Mycopathol Mycol Appl 42:49-55, 28 Dec 70
[Dynamics of the trichophyton infection of human nails] Aleksewicz J. Mykosen 11:481-90, 1 Jul 68 (Ger)
[Inhibition of germination and growth of Trichophyton verrucosum by repeated illumination] Buchnaček J.
Mykosen 12:321-8, 1 May 69 (Ger)
[Morphology and biology of Trichophyton mentagrophytes (Robin) Blanchard var goetzii var. nova] Hantschke D. Mykosen 12:97-104, 1 Feb 69 (Ger)
[Differential appearance and absence of griseofulvin-induced curling effect in vegerative and fructifying mycelia of Tricophyton mentagrophytes] Rieth H. Mykosen 12:385-6, 1 Jun 69 (Ger)
[Dimorphism of Trichophyton mentagrophytes at 25-37 degrees C] Schick G.
Mykosen 12:567-71, 1 Sep 69 (Ger)
[The significance of media factors for the development of characteristic features of Trichophyton rubrum strains] Schönborn C.
Mykosen 13:457-66, 1 Sep 70 (Ger)

IMMUNOLOGY

Immunological reactivity of a synthetic polymannan. Grappel SF. Experientia 27:329-30, 15 Mar 71
Further environmental factors affecting the antigenicity of Trichophyton rubrum. Flaherty DK, et al. Mycopathol Mycol Appl 42:165-75, 28 Dec 70
[Immunological indices in sensitizing animals with an antigen from a culture of Trichophyton rubrum] Tseñlina BB.
Vestn Dermatol Venerol 44:36-9, Jul 70 (Rus)

ISOLATION & PURIFICATION

A rapid and simple method for the laboratory diagnosis of Trichophyton verrucosum. English MP.
J Med Microbiol 3:557-9, Aug 70
First mention of Nannizzia persicolor (Trichophyton or Microsporon?) Stockdale, 1967 in Romania. Alteras I.
Mycopathologia Mycol Appl 40:375-81, 31 Aug 70
The detection of contamination in Trichophyton rubrum and Trichophyton mentagrophytes. Fischer JF, et al. Mycopathol Mycol Appl 43:169-80, 19 Feb 71
The isolation of keratinophilic fungi from soil and wild

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

animals in South Dakota. Knudtson WU, et al. Mycopathologia Mycol Appl 40:309-23, 31 Aug 70
Trichophyton simii infection in man and animals. Mohapatra LN, et al. Mycopathol Mycol Appl 41:357-62, 4 Dec 70
Isolation of keratinophilic fungi from soil in the vicinity of Bogota, Colombia. Rogers AL. Mycopathol Mycol Appl 44:261-4, 28 May 71
A preliminary study of keratinophilic fungi from Abaco Island, the Bahamas. Volz PA. Mycopathol Mycol Appl 43:337-9, 25 Mar 71
Ringworm in animals in a farm in Assiut. Abdallah IS, et al. Mykosen 14:175-8, 1 Apr 71
Unusual localisation of Kerion celsi in adult. Alteraş I, et al. Mykosen 12:607-9, 1 Oct 69
Endemic trichophytosis in Brazilian pemphigus patients. Castro RM, et al. Mykosen 13:273-6, 1 May 70
Four epizooties of Trichophyton gallinae infection on chickens in Brazil. Londero AT, et al. Mykosen 12:31-8, 1 Jan 69
Study of human and animal dermatophytoses in rural areas. II. Mahajan VM, et al. Mykosen 11:793-8, 1 Nov 68
Study of human and animal dermatophytoses in rural areas. I. Mahajan VM, et al. Mykosen 11:687-96, 1 Oct 68
Trichophyton terrestre from poultry farm soil in India. Padhye AA. Mykosen 11:725-6, 1 Oct 68
Trichophyton rubrum infection in a family transmitted from a cat. Refai M, et al. Mykosen 11:191-4, 1 Mar 68
[Tinea due to Trichophyton soudanense in very pityriasic form: diagnostic considerations] Battesti R, et al. Lyon Med 221:1033-3, 27 Apr 69 (Fre)
[Familial polymorphous erythemato-squamous trichophytosis due to Trichophyton rubrum] Colomb D, et al. Lyon Med 221:1024, 27 Apr 69 (Fre)
[Fungal flora of the nails in consideration of Trichophyton megninii] Krentel G. Dermatol Monatsschr 156:627-34, 1970 (Ger)
[Dermatomycoses from the Mediterranean area in Germany] Meinhof W, et al. Dtsch Med Wochenschr 96:234-7, 5 Feb 71 (Ger)
[Trichophyton tonsurans as causative agent of a chronically recurring foot mycosis concomitant with pityriasis versicolor] Abou-Gabal M, et al. Mykosen 11:243-4, 1 Mar 68 (Ger)
[The fungal flora of dermatomycoses in Ostoberlausitz from 1962 to 1967 with special reference to the occurrence of Trichophyton rubrum and Trichophyton mentagrophytes] Blaschke-Hellmessen R. Mykosen 11:545-60, 1 Aug 68 (Ger)
[Follicular microsporum infections and trichophytoses, which stimulate Alopecia areata "Tinea decalvans". Personal observations] Evolceanu R. Mykosen 11:9-10, 1 Jan 68 (Ger)
[Finding of the hair mite Myocoptes musculinus C. L. Koch in a breed of white mice and its possible role in the spreading of dermophytosis] Hajsig M, et al. Mykosen 12:243-4, 1 Apr 69 (Ger)
[Clinical aspects and mycology of tinea follicularis cruris] Herpay Z. Mykosen 11:109-18, 1 Feb 68 (Ger)
[Combined dermatophytic nail infection due to Microsporum ferrugineum and Trichophyton rubrum] Otčenášek M, et al. Mykosen 14:111-3, 1 Mar 71 (Ger)
[Microscopic and cultural demonstration of hair infection by the fungi Microsporum Audouinii, Trichophyton mentagrophytes and Pisdraia Hortai] Rieth H. Mykosen 11:817-8, 1 Nov 68 (Ger)
[Trichophyton violaceum variations in skin diseased patients in Ethiopia] Schaller KF, et al. Mykosen 11:811-4, 1 Nov 68 (Ger)
[The occurrence of a Trichophyton rubrum-like dermatophyte in beasts of prey (Carnivora)] Schönborn C. Mykosen 13:381-96, 1 Aug 70 (Ger)
[Plant origin of trichophytosis. I] Szathmáry S, et al. Mykosen 11:631-46, 1 Sep 68 (Ger)
[Griseofulvin ointment treatment of superficial trichophytoses] Worniak KD, et al. Mykosen 13:427-34, 1 Sep 70 (Ger)
[Urease test in the identification of Trichophyton rubrum and T. mentagrophytes] Ramos CD, et al. Hospital (Rio de J) 78:1163-5, Oct 70 (Por)

METABOLISM

Antimicrobial agents. VII. Microbial degradation of the antifungal agent 2-chloro-4-nitrophenol (Nitrofungin). Capek A, et al. Folia Microbiol (Praha) 15:350-3, 1970
Metabolic rate of fungi as a function of temperature and oxidation-reduction potential (EH). Rippon JW, et al. Mycopathologia Mycol Appl 40:349-52, 31 Aug 70
Pigment formation in the dermatophytes. Walker GC, et al. Mycopathol Mycol Appl 42:369-79, 29 Dec 70
Aromatic amino acid biosynthesis in Trichophyton rubrum. 3. Exogenous studies: absence of the shikimic acid pathway. Zussman HA, et al. Mycopathol Mycol Appl 42:1-8, 28 Dec 70
[Inhibition by penicillamine of melanoid pigment production in trichophyton species] Balda BR, et al. Arch Dermatol Forsch 240:301-6, 1971 (Ger)
[The suitability of trypsinized nail keratin dust, particles of the horny layer or glutamate as carbon-nitrogen sources for Trichophyton mentagrophytes and Trichophyton rubrum] Potocka-Michajluk U, et al. Mykosen 14:131-42, 1 Mar 71 (Ger)
[Decomposition of trypsinized nail keratin by Trichophyton mentagrophytes (Robin 1853) Blanchard 1895 in vitro] Potocka-Michajluk U, et al. Mykosen 11:579-82, 1 Aug 68 (Ger)
[Effect of salicyl anilide and its halogen derivatives on the respiratory activity of microorganisms] Rotmistrov MN, et al. Mikrobiologiia 38:624-8, Jul-Aug 69 (Rus)

PATHOGENICITY

Human infection by Trichophyton mentagrophytes from rabbits. Alteraş I, et al. Mykosen 12:543-4, 1 Sep 69

RADIATION EFFECTS

[Inhibiting influence of blue and red light on Trichophyton] Buchnáček J. Mykosen 14:393-7, 1 Aug 71 (Ger)

TRICHOPHYTOSIS see under TINEA (C1, C12)

TRICHOSTRONGYLOIDEA (B1)

The biology of Hyostrongylus ruidus. 3. Effect of host age on a primary infection. Burden DJ, et al. J Comp Pathol 80:601-5, Oct 70
Seasonal change in a balanced polymorphism in Haemonchus contortus populations. LeJambre LF, et al. Parasitology 62:151-5, Feb 71
The fine structure of the alimentary tract of third-stage larvae of Haemonchus placei and Trichostrongylus colubriformis. Smith K, et al. Parasitology 62:355-60, Jun 71

ANALYSIS

Analyses of supernatant fluids from exsheathing infective Haemonchus contortus cayugensis larvae. Slocombe JO, et al. J Parasitol 57:794-800, Aug 71

ANATOMY & HISTOLOGY

Nomenclature and morphology of Ostertagia trifurcata Ransom, 1907, with data on spicule lengths of five stomach worms of ruminants. Becklund WW, et al. J Parasitol 57:506-16, Jun 71
Bursal bosses as a diagnostic character in nematodirus of domestic sheep, ovis aries, in the United States. Stringfellow F. J Parasitol 54:891-5, Oct 68
Functional morphology and histochemistry of structural proteins of the genital cone of Ostertagia ostertagi, with a comparison of the genital cones of other Ostertagia common in cattle in the United States. Stringfellow F. J Parasitol 57:323-31, Aug 71

CLASSIFICATION

Nomenclature and morphology of Ostertagia trifurcata Ransom, 1907, with data on spicule lengths of five stomach worms of ruminants. Becklund WW, et al. J Parasitol 57:506-16, Jun 71
Prevalence, geographic distribution, and hosts of Cooperia surnabada Antipin, 1931, and C. oncophora (Railliet, 1898) Ransom, 1907, in the United States. Burtner RH, et al. J Parasitol 57:191-2, Feb 71
Hybridization of two species of nematodes parasitic in ruminants, Cooperia oncophora (Railliet, 1898) Ransom, 1907, and Cooperia pectinata Ransom, 1907. Isenstein RS. J Parasitol 57:320-6, Apr 71
The polymorphic relationship of Cooperia oncophora (Railliet, 1898) Ransom, 1907, to Cooperia surnabada Antipin, 1931 (Nematoda: Trichostrongylidae). Isenstein RS. J Parasitol 57:316-9, Apr 71
[A new trichostrongylide, parasite of the domestic pigeon in Senegal] Vassiliadès G, et al. Rev Elev Med Vet Pays Trop 22:211-6, 1969 (Fre)

DRUG EFFECTS

Anthelmintic resistance in Trichostrongylus colubriformis. Hotson IK, et al. Aust Vet J 46:356-60, Aug 70

EMBRYOLOGY

Ecdysis of haemonchus and hypotheses. Whitlock JH. Cornell Vet 61:349-61, Apr 71 (36 ref.)
Egg size and desiccation survival in Trichostrongylus colubriformis (Nematoda: Trichostrongylidae). Waller PJ, et al. Parasitology 61:205-9, Oct 70
The response to desiccation of eggs of Trichostrongylus colubriformis and Haemonchus contortus (Nematoda: Trichostrongylidae). Waller PJ, et al. Parasitology 61:195-204, Oct 70

ENZYMOLOGY

Further analyses of supernatant fluids from exsheathing infective Haemonchus contortus cayugensis larvae. Slocombe JO, et al. J Parasitol 57:801-7, Aug 71

GROWTH & DEVELOPMENT

The epidemiology and control of some nematode infections of grazing animals. Michel JF. Adv Parasitol 7:211-82, 1969 (205 ref.)
An observation on the maturation of arrested Haemonchus contortus larvae in sheep. Blitz NM, et al. Can J Comp Med 35:178-9, Apr 71
Haemonchus contortus: food of preinfective larvae. Wang GT. Exp Parasitol 29:201-7, Apr 71
Experimental Haemonchus placei infection in calves. Influence of anaemia and numbers of larvae on worm development. Harness E, et al. J Comp Pathol 81:129-36, Jan 71
Seasonal fluctuation in linguiform morphs of Haemonchus contortus Cayugensis. LeJambre LF, et al. J Parasitol 54:827-30, Aug 68
Immunity to Obeliscoides cuniculi: chemical suppression and passive transfer. Sollod AE, et al. J Parasitol 57:330-43, Apr 71
Development and survival of infective larvae of the cattle nematode, Ostertagia ostertagi. Williams JC, et al. J Parasitol 57:327-38, Apr 71
Completion of the life cycle of Cooperia punctata in vitro. Zimmerman GL, et al. J Parasitol 57:832-5, Aug 71
The regulation of population of Ostertagia ostertagi in calves. Michel JF. Parasitology 61:435-47, Dec 70
The inhibitory effect of CO2 on the ecdysis of infective Haemonchus contortus cayugensis larvae. Slocombe JO, et al. Parasitology 61:253-8, Oct 70
The influence of pCO2 and the rate of shaking on the ecdysis of infective Haemonchus contortus cayugensis larvae. Slocombe JO, et al. Parasitology 61:259-65, Oct 70
The effects of larval age and cold storage on the ecdysis of infective Haemonchus contortus cayugensis larvae. Slocombe JO, et al. Parasitology 61:267-71, Oct 70
Structural differences in the egg envelopes of Haemonchus contortus and Trichostrongylus colubriformis (Nematoda: Trichostrongylidae). Waller PJ. Parasitology 62:157-60, Feb 71
The development and survival of free-living stages of Trichostrongylus colubriformis and Ostertagia circumcincta on pasture. Boag B, et al. Res Vet Sci 11:380-1, Jul 70
The seasonal incidence of inhibition of development in Haemonchus contortus. Connan RM. Res Vet Sci 12:272-4, May 71

IMMUNOLOGY

Protection of mice against Nematospiroides dubius by subcutaneously administered larval vaccines. Lueker DC, et al. J Parasitol 54:1237-8, Dec 68
Investigations of the ability of strains of Trichostrongylus axei to produce immunity in calves and sheep. Ross JG. Res Vet Sci 11:377-9, Jul 70

ISOLATION & PURIFICATION

Ostertagia trifurcata (Nematoda: Trichostrongylidae) in cattle in Canada. Slocombe JO. Can J Zool 48:1143-4, Sep 70
Trichostrongylus axei (Cobbold, 1879) in white-tailed deer. Samuel WM, et al. J Parasitol 54:1091, Dec 68
The occurrence of Ostertagia crimensis and O. pinnata in New Zealand sheep. McKenna PB, et al. NZ Vet J 19:30-2, Apr 71
Hyostrongylus rubidus: the size and structure of worm populations in adult pigs. Connan RM. Vet Rec 89:186-91, 14 Aug 71
[Identificaoion of Trichostrongylus colubriformis as a human parasite] Fleury GC, et al. Rev Inst Med Trop Sao Paulo 12:288-92, Jul-Aug 70 (Por)

METABOLISM

Mode of action of the anthelminthic thiabendazole in Haemonchus contortus. Prichard RK. Nature (Lond) 228:684-5, 14 Nov 70

PATHOGENICITY

Genetic differences in the susceptibility of sheep to infection with Trichostrongylus axei. A comparison of Scottish Black-face and Dorset breeds. Ross JG. Res Vet Sci 11:465-8, Sep 70
Trichostrongylus axei host-parasite relationship studies. The influence of passage on cross infection. Ross JG. Res Vet Sci 11:461-4, Sep 70

TRICHOSTRONGYLOIDIASIS (C1)

Experimental infection of the African multimammate Mastomys, Rattus (Mastomys) natalensis, with the minute stomach worm Trichostrongylus axei. Leland SE Jr. J Parasitol 54:437-40, Jun 68

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DRUG THERAPY

Comparative activity of thiabendazole, levamisole, and parbendazole against natural infections of helminths in sheep. Kates KC, et al. J Parasitol 57:356-62, Apr 71

ENZYMOLOGY

The effect of large doses of Haemonchus contortus on the level of plasma pepsinogen and the concentration of electrolytes in the abomasal fluid of sheep. Coop RL. J Comp Pathol 81:213-9, Apr 71

ETIOLOGY

[Trichostrongylus colubriformis infestation in childhood] Szakáll I, et al.
Orv Hetil 111:3036-7, 20 Dec 70 (Hun)

IMMUNOLOGY

The role of the recirculating thymus-dependent lymphocyte in resistance to Trichostrongylus colubriformis in the guinea-pig. Dineen JK, et al. Immunology 20:109-13, Jan 71
Protection of mice against Nematospiroides dubius by subcutaneously administered larval vaccines. Lueker DC, et al. J Parasitol 54:1237-8, Dec 68
Immunity to Obeliscoides cuniculi: chemical suppression and passive transfer. Sollod AE, et al. J Parasitol 57:339-43, Apr 71
The host-parasite relationship between the domestic rabbit and Trichostrongylus colubriformis. Purvis GM, et al. Vet Rec 89:151-2, 31 Jul 71

METABOLISM

Protein metabolism. 1. Incorporation of 14C-L-leucine into skeletal muscle and liver proteins of mice and guinea pigs infected with Nematospiroides dubius and Trichostrongylus colubriformis. Symons LE, et al. Exp Parasitol 29:230-41, Apr 71
The effect of large doses of Haemonchus contortus on the level of plasma pepsinogen and the concentration of electrolytes in the abomasal fluid of sheep. Coop RL. J Comp Pathol 81:213-9, Apr 71
The effect of nematode parasitism on intake, growth and mineral metabolism of growing lambs. Reveron AE, et al. Proc Nutr Soc 30:19A-20A, May 71

OCCURRENCE

[Autochthonous and exotic cases of trichostrongylosis diagnosed in Strasbourg] Callot J, et al.
Ann Parasitol Hum Comp 45:252-4, Mar-Apr 70 (Fre)
[Further cases of trichostrongylosis in Hungary] Rovó JT, et al. Orv Hetil 112:507-9, 28 Feb 71 (Hun)

PATHOLOGY

[Trichostrongyloidosis (mixed Cooperia-Ostertagia-Trichostrongylus infection) in young cattle] Bergmann V, et al.
Monatsh Vet Med 25:954-9, 15 Dec 70 (Ger)
[Pathomorphologic changes in the abomasum of sheep with haemonchiasis] Peregrudov TA.
Veterinariia 1:63-5, Jan 71 (Rus)

PREVENTION & CONTROL

The epidemiology and control of some nematode infections of grazing animals. Michel JF.
Adv Parasitol 7:211-82, 1969 (205 ref.)

VETERINARY

Meteorological factors and forecasts of helminthic disease. Ollerenshaw CB, et al.
Adv Parasitol 7:283-323, 1969 (76 ref.)
Haemonchus contortus infection in sheep: active and passive immunity in sheep given oral iron supplement. Scott HL, et al.
Am J Vet Res 32:249-62, Feb 71
The anthelmintic efficiency of clioxanide and rafoxanide against Fasciola hepatica and Haemonchus contortus in sheep. Campbell NJ, et al.
Aust Vet J 47:5-8, Jan 71
Clioxanide, a new anthelmintic active against Fasciola hepatica and Haemonchus contortus in sheep. Pearson IG, et al. Aust Vet J 46:480-4, Oct 70
Peri-parturient deposition of nematode eggs by ewes and residual pasture contamination as sources of infection for lambs. Salisbury JR, et al.
Aust Vet J 46:523-9, Nov 70
The epizootiology of haemonchosis in sheep. Swan RA.
Aust Vet J 46:485-92, Oct 70
Observations on experimental and field infections of pigs with Hyostrongylus rubidus. Baskerville A, et al.
Br Vet J 126:538-42, Oct 70
The live-weight gain of growing pigs experimentally infected with massive doses of Hyostrongylus rubidus (Nematoda) larvae. Castelino JB, et al.
Br Vet J 126:579-82, Nov 70
A controlled test of methyridine, thiabendazole and parbendazole against Haemonchus contortus and Trichostrongylus colubriformis in lambs. Gibson TE, et al. Br Vet J 127:201-6, May 71
Efficacy of dichlorvos (V3 formulation) against larval and adult Hyostrongylus rubidus. Jacobs DE, et al.
Br Vet J 126:43-4, Oct 70
Observations on the inhibition of development of Cooperia oncophora in calves. Michel JF, et al.
Br Vet J 126:35-7, Sep 70
Investigations of acquired immunity to Trichostrongylus axei infections in seven-month-old lambs. Ross JG. Br Vet J 126:648-51, Dec 70
Nutritional balance trials with calves experimentally infected with Trichostrongylus axei. Ross JG, et al.
Br Vet J 126:393-400, Aug 70
Investigations of acquired immunity to T. axei infections in calves. A comparison of the effect of continuing and terminated initial infections. Ross JG.
Br Vet J 126:21-3, Jun 70
An observation on the maturation of arrested Haemonchus contortus larvae in sheep. Blitz NM, et al.
Can J Comp Med 35:178-9, Apr 71
On the development of gastrointestinal parasitism in bovine yearlings. Smith HJ.
Can J Comp Med 34:303-8, Oct 70
Immunocytochemical localization of the ovine immunoglobulins IgA, IgG1, IgG1-A and IgG2: effect of gastro-intestinal parasitism in the sheep. Curtain CC, et al. Clin Exp Immunol 8:151-62, Jan 71
Obeliscoides cuniculi: comparison of gastric lesions in rabbits with those of bovine ostertagiosis. Russell SW, et al. Exp Parasitol 28:217-25, Oct 70
59Fe retention in sheep as a function of age and of artificially induced parasitism with Haemonchus contortus. Anderson JJ, et al.
J Anim Sci 32:1195-201, Jun 71
Clinical pathology of ostertagiasis in calves during prolonged experimental infection. Allen WM, et al.
J Comp Pathol 80:441-54, Jul 70
Serological reactions in growing pigs to infections with Hyostrongylus rubidus. II. Complement fixing antibody. Castelino JB, et al.
J Comp Pathol 81:315-20, Jul 71
Serological reactions in growing pigs to infections with Hyostrongylus rubidus. I. Precipitating antibody. Castelino JB, et al. J Comp Pathol 81:309-14, Jul 71
Experimental Haemonchus placei infection in calves. Influence of anaemia and numbers of larvae on worm development. Harness E, et al.
J Comp Pathol 81:129-36, Jan 71
The ultrastructural changes in the abomasal mucosa of calves experimentally infected with Trichostrongylus axei. Ross JG, et al. J Helminthol 45:1-9, 1971
Ultrastructural changes in the abomasal mucosa of lambs experimentally infected with Trichostrongylus axei. Ross JG, et al. J Helminthol 45:11-4, 1971
Nomenclature and morphology of Ostertagia trifurcata Ransom, 1907, with data on spicule lengths of five stomach worms of ruminants. Becklund WW, et al.
J Parasitol 57:506-16, Jun 71
Prevalence, geographic distribution, and hosts of Cooperia surnabada Antipin, 1931, and C. oncophora (Railliet, 1898) Ransom, 1907, in the United States. Burtner RH, et al. J Parasitol 57:191-2, Feb 71
Hybridization of two species of nematodes parasitic in ruminants, Cooperia oncophora (Railliet, 1898) Ransom, 1907, and Cooperia pectinata Ransom, 1907. Isenstein RS. J Parasitol 57:320-6, Apr 71
Gastrointestinal nematode parasites from domestic sheep, Ovis aries, in Nebraska. Knight RA, et al.
J Parasitol 56:988-90, Oct 70
Effect of management systems on the growth of lambs and development of internal parasitism. 3. Field trials with lambs on soilage and pasture involving medication with N.F. and purified grades of phenothiazine. Lindahl IL, et al.
J Parasitol 56:991-9, Oct 70
Experimental infection of domestic sheep with Trichostrongylus colubriformis from natural infections in black-tailed jackrabbits. Samson KS.
J Parasitol 56:1037, Oct 70
Ostertagiasis in adult cattle: a clinical report of an outbreak in the field. Wedderburn JF.
NZ Vet J 18:168-70, Aug 70
The pathological physiology of helminth infestations. 3. Trichostrongylus colubriformis. Horak IG, et al.
Onderstepoort J Vet Res 35:195-223, Jun 68
Seasonal change in a balanced polymorphism in Haemonchus contortus populations. LeJambre LF, et al. Parasitology 62:151-5, Feb 71
The regulation of population of Ostertagia ostertagi in calves. Michel JF. Parasitology 61:435-47, Dec 70
Studies on the resistance of pigs to infestation with Hyostrongylus rubidus (Hassall & Stiles, 1892). I. Infection experiments in non-sensitised and previously sensitised growing animals. Castelino JB, et al. Res Vet Sci 12:7-14, Jan 71
The efficacy of rafoxanide (3,5-diiodo-3'-chloro-4'-(p-chlorophenoxy) salicylanilide) against Haemonchus contortus in sheep. Egerton JR, et al. Res Vet Sci 11:382-8, Jul 70
Immunological studies of Mecistocirrus digitatus infection in calves. Fernando ST, et al.
Res Vet Sci 11:175-82, Mar 70
The use of mature sheep in anthelmintic tests. A hazard of the controlled test. Gibson TE, et al.
Res Vet Sci 11:487-9, Sep 70
The effect of anthelmintic treatment on the development of resistance to Trichostrongylus colubriformis in sheep. Gibson TE, et al.
Res Vet Sci 11:138-45, Mar 70
The pathophysiology of ovine ostertagiasis: a study of the changes in plasma protein metabolism following single infections. Holmes PH, et al.
Res Vet Sci 12:265-71, May 71
The pathophysiology of ovine ostertagiasis: water balance and turnover studies. Holmes PH, et al.
Res Vet Sci 12:381-3, Jul 71
Field observations on the epidemiology of parasitic gastro-enteritis in calves. Michel JF, et al.
Res Vet Sci 11:255-9, May 70
Bovine ostertagiasis: structure, function and mode of differentiation of the bovine gastric mucosa and kinetics of the worm loss. Murray M, et al.
Res Vet Sci 11:417-27, Sep 70
Parasitic gastro-enteritis in cattle. Factors influencing the time of the increase in the worm population of pastures. Rose JH. Res Vet Sci 11:199-206, May 70
A survey of the prevalence of Hyostrongylus rubidus in breeding pigs slaughtered in North Wales. Castelino JB, et al. Vet Rec 87:256-7, 29 Aug 70
Epidemiology of parasitic gastro-enteritis in sheep. Gibson TE. Vet Rec 88:151-2, 6 Feb 71
The effect of oral cambendazole against Hyostrongylus rubidus and Oesophagostomum spp. in experimentally-infected pigs. Taffs LF.
Vet Rec 89:165-8, 7 Aug 71
[Propagation and treatment of the Trichostrongylus tenuis infestations] Enigk K, et al.
Berl Munch Tieraerztl Wochenschr 84:11-4, 1 Jan 71 (Ger)
[Treatment of gastrointestinal worm infestations in heifers during pasture period using a new Coumaphos formulation--Baymix-tablets] Fischer W, et al.
Dtsch Tieraerztl Wochenschr 78:413-7, 1 Aug 71 (Ger)
[Trichostrongyloidosis (mixed Cooperia-Ostertagia-Trichostrongylus infection) in young cattle] Bergmann V, et al.
Monatsh Vet Med 25:954-9, 15 Dec 70 (Ger)

TRICHOSTRONGYLOSIS see under

TRICHOSTRONGYLOIDIASIS (C1)

TRICHOTILLOMANIA see under NEUROSES,

OBSESSIVE-COMPULSIVE (F3)

TRICHURIASIS (C1)

BLOOD

Erythrocyte life span and hemoglobin levels in mouse trichuriasis. Pike EH. J Parasitol 57:311-5, Apr 71

COMPLICATIONS

Helminthic anaphylactic syndrome (HAS) in children. Odunjo EO. Pathol Microbiol (Basel) 35:229-3, 1970
[Anemia in children infested by trichuris] Iufa Iufa.
Pediatr Akush Ginekol 1:23-4, Jan-Feb 69 (Ukr)
[Gastrointestinal disorders in trichuriasis] Glišić L, et al. Med Glas 24:259-61, Jun 70 (Cro)

DIAGNOSIS

[Study of saturated solution of sodium nitrate as a salt solution by the method of film preparations for helmintho-ovoscopic diagnosis of ascariasis and trichocephaliasis] Levina RKh.
Med Parazitol (Mosk) 39:361-2, May-Jun 70 (Rus)

DRUG THERAPY

Treatment of intestinal capillariasis with thiabendazole, bithionol, and bephenium. Whalen GE, et al. Am J Trop Med Hyg 20:95-100, Jan 71
Effect of anti-inflammatory agents on spontaneous cure of Trichinella and Trichuris in mice. Campbell WC. J Parasitol 54:452-6, Jun 68
Clinical trials with a new anthelminthic, tetramisole. Vakil BJ, et al.
Trans R Soc Trop Med Hyg 64:717-22, 1970
[Anthelmintic action of the levogyrous isomer of tetramisole (20005 RP)] Laigret J, et al.
Bull Soc Pathol Exot 62:734-40, 1969 (Fre)
[Treatment of trichocephalosis with Bemarsal] Nitzulescu V, et al.
Bull Soc Pathol Exot 63:251-5, Mar-Apr 70 (Fre)
[Treatment of trichocephaliasis with N-(2'-chlor-4'-nitrophenyl)-5-chlorsalicylamide] Adamo F, et al. Clin Ter 53:291-303, 15 Jun 70 (Ita)
[Treatment of trichocephaliasis with Bemarsal] Nitzulescu V, et al.
Pediatria (Bucur) 19:373-5, Jul-Aug 70 (Rum)
[Treatment of trichuriasis with combinations of reduced fractionated doses of dithiazanine and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

naphthamon] Grinenko NV, et al.
Med Parazitol (Mosk) 40:186-91, Mar-Apr 71 (Rus)

ETIOLOGY

Experimental infection of man with pig whipworm.
Beer RJ. Br Med J 2:44, 3 Apr 71

IMMUNOLOGY

Increased circulating IgE in a new parasitic disease--human intestinal capillariasis. Rosenberg EB, et al. N Engl J Med 283:1148-9, 19 Nov 70
The stimulation of immunity and the induction of unresponsiveness to Trichuris muris in various strains of laboratory mice. Wakelin D.
Z Parasitenkd 35:163-8, 1970

OCCURRENCE

Changing pattern of intestinal helminth infections in Jerusalem. Jjumba-Mukasa OR, et al.
Am J Trop Med Hyg 20:109-16, Jan 71
A study on ascaris, hookworm and trichuris infections in Hsing-Chuang Cheng. Wang KY.
J Formosan Med Assoc 70:36-48, 28 Jan 71
Intestinal parasites in South Carolina, 1969. DiSalvo AF, et al. J SC Med Assoc 66:355-8, Oct 70
[Preliminary data on geohelminthiasis in school children in Mede] De Carneri I, et al.
G Mal Infett Parassit 21:854-62, Nov 69 (Ita)
[Infestations by capillaria hepatica. 1st in vivo observation in Italy] Cislaghi F, et al.
Minerva Pediatr 23:605, 7 Apr 71 (Ita)
[Evaluation of the pathological significance of infantile trichocephalosis in a rural Lombard region characterized by a high incidence of the helminthiasis and low parasite count] Biagi F, et al.
Riv Parassitol 31:183-94, Sep 70 (Ita)
[Appearance of intestinal parasites in children prior to their attending school and at the end of the 1st shcool year] Hazuka D, et al.
Wiad Parazytol 17:185-8, 1971 (Pol)
[Some data on the distribution of ascariasis and trichuriasis in the Ukraine] Bilzniuk ID.
Med Parazitol (Mosk) 40:162-4, Mar-Apr 71 (Rus)
[Hepaticola hepatica infection in Turkey and some experiments on the development of this parasite] Merdivenci A. Tip Fak Mecm 32:423-36, 1969 (Tur)

PATHOLOGY

Whipworm disease. Intestinal structure and function of patients with severe Trichuris trichuria infestation. Mathan VI, et al. Am J Dig Dis 15:913-8, Oct 70

PHYSIOPATHOLOGY

Whipworm disease. Intestinal structure and function of patients with severe Trichuris trichuria infestation. Mathan VI, et al. Am J Dig Dis 15:913-8, Oct 70

THERAPY

[Comparative effectiveness of several methods of treating patients with trichocephaliasis] Blagov NA.
Sov Med 33:140-2, Oct 70 (Rus)

VETERINARY

The incidence of species of the genus Capillaria zeder 1800 (nematode) in chickens in Iran. Mirzayans A, et al. Br Vet J 126:1-ii, Jan 70
Field evaluation of parbendazole as an ascaricide in swine. Ferguson DL, et al. Cornell Vet 60:655-68, Oct 70
Internal parasites in pigs in southern Georgia: acquisition by suckling pigs raised on temporary and permanent pastures and grazed on permanent pasture after weaning. Andrews JS, et al.
J Parasitol 56:1210-7, Dec 70
Gastrointestinal nematode parasites from domestic sheep, Ovis aries, in Nebraska. Knight RA, et al. J Parasitol 56:983-90, Oct 70
Anatrichosomiasis in African monkeys. Orihel TC. J Parasitol 56:983-5, Oct 70
Dichlorvos: an anthelmintic for primate trichuriasis. Pryor WH Jr, et al. Lab Anim Care 20:1118-22, Dec 70
A morphological and histochemical study of Trichuris suis (Schrank, 1788) with special reference to the host-parasite relationship. Jenkins T.
Parasitology 61:357-74, Dec 70
Evaluation of dichlorvos (V3 formulation) against larval and adult trichuris suis and observations on experimental infection in growing pigs. Beer RJ, et al. Vet Rec 88:436-41, 24 Apr 71

TRICHURIS see under TRICHUROIDEA (B1)

TRICHUROIDEA (B1)

Increased circulating IgE in a new parasitic disease--human intestinal capillariasis. Rosenberg EB, et al. N Engl J Med 283:1148-9, 19 Nov 70

[Transport of helminth eggs by the air] Primio R di.
Hospital (Rio de J) 78:573-86, Aug 70 (Por)

CLASSIFICATION

Redescriptions of Trichuris discolor (von Linstow, 1906) and T. skrjabini (Baskakov, 1924) from domestic ruminants in the United States and comparisons with T. ovis (Abildgaard, 1795). Knight RA.
J Parasitol 57:302-10, Apr 71
[Parasitic nematodes. XXVII. Little known parasitic nematodes and 2 new filaria from the warthog: Phacochoerus aethiopicus] Kreis HA.
Schweiz Arch Tierheilkd 112:324-36, Jul 70 (Ger)

ENZYMOLOGY

A morphological and histochemical study of Trichuris suis (Schrank, 1788) with special reference to the host-parasite relationship. Jenkins T.
Parasitology 61:357-74, Dec 70

GROWTH & DEVELOPMENT

The stimulation of immunity and the induction of unresponsiveness to Trichuris muris in various strains of laboratory mice. Wakelin D.
Z Parasitenkd 35:163-8, 1970
[Hepaticola hepatica infection in Turkey and some experiments on the development of this parasite] Merdivenci A. Tip Fak Mecm 32:423-36, 1969 (Tur)

ISOLATION & PURIFICATION

Infection by Capillaria hepatica. First case report in Italy. Cislaghi F, et al.
Helv Paediatr Acta 25:647-54, Dec 70
[Incidence of Ancylostoma, Ascaris and Trichuris in Brazil] Vinha C.
Rev Bras Malariol Doencas Trop 21:549-57, Jul-Sep 69 (Por)

TRICUSPID VALVE (A7)

Tricuspid valve subacute bacterial endocarditis complicating tetralogy of Fallot. Maramba LC, et al.
Chest 59:227-30, Feb 71
Isolated tricuspid endocarditis with ventricular septal defect. Jiménez-Martínez M, et al.
J Thorac Cardiovasc Surg 61:865-9, May 71
[Experimental production of congestive heart failure in dogs by total resection of the tricuspid valve] Bertranou E, et al.
Union Med Can 98:1284-6, Aug 69 (Fre)
[Operative risks and complications in valve substitutions with artificial prostheses] Pellegrini A, et al. Atti Soc Ital Cardiol 2:41-92, 1970 (Ita)
[Aneurysm of the tricuspid valve in the aged] Mattace Raso F, et al. Riv Anat Patol Oncol 33:461-8, 1968 (Ita)
[Case of ulcerative endocarditis of the tricuspid valve following implantation of pacemaker with endocardial electrode] Kędra M, et al.
Pol Tyg Lek 26:310-1, 1 Mar 71 (Pol)
[Case of isolated endocarditis of the tricuspid valve in a patient with chronic postinfarct aneurysm] Popov VG, et al. Klin Med (Mosk) 49:126-9, Jan 71 (Rus)

ABNORMALITIES

Changing clinical features in tricuspid atresia without transposition of great vessels. Report of two cases. Dolara A, et al. Acta Cardiol (Brux) 24:275-84, 1969
Clinical pathologic conference. Becker MJ, et al.
Am Heart J 81:264-73, Feb 71
Right atrial-left ventricular relationships in tricuspid atresia: position of the presumed site of the atretic valve as determined by transillumination. Rosenquist GC, et al. Am Heart J 80:493-7, Oct 70
Atrioventricular communication in the Wolff-Parkinson-White syndrome. Rosenberg HS, et al. Am J Clin Pathol 56:79-90, Jul 71
Pathologic spectrum of dysplasia of the tricuspid valve. Features in common with Ebstein's malformation. Becker AE, et al. Arch Pathol 91:167-78, Feb 71
Straddling and displaced atrioventricular orifices and valves. Edwards JE. Circulation 43:613, Apr 71
Straddling and displaced atrioventricular orifices and valves with primitive ventricles. Liberthson RR, et al.
Circulation 43:213-26, Feb 71
Congenital malformations of the tricuspid valve: a wide spectrum. Sanyal SK, et al.
Indian Pediatr 7:500-5, Nov 70
Pathological spectrum of dysplasia of the tricuspid valve: features in common with ebstein's malformation. Becker AE, et al.
J Pathol 103:pxix-xx, Feb 71
Atresia of the tricuspid valve in a foal. Gumbrell RC.
NZ Vet J 18:253-6, Nov 70
[Unusual course in a child with tricuspid valve atresia] Menner K, et al.
Arch Kinderheilkd 183:171-5, Jul 71 (Ger)
[Malformations of the mitral- and tricuspid valve in persistent AV-canal] Ferbers E.
Thoraxchirurgie 18:380-1, Oct 70 (Ger)
[Clinical diagnosis of congenital tricuspid valve atresia] Marks-Zakrzewska A.
Pediatr Pol 46:551-9, May 71 (Pol)
[Congenital atresia of the tricuspid valve] Iljin W, et al.
Wiad Lek 23:2163-70, 15 Dec 70 (Pol)

ANATOMY & HISTOLOGY

Morphology of the human tricuspid valve. Silver MD, et al. Circulation 43:333-48, Mar 71
[Surgical anatomy of the tricuspid valve] Bouchet A, et al. Ann Chir Thorac Cardiovasc 7:549-55, Apr 68 (Fre)

BLOOD SUPPLY

Vascularization of atrioventricular and semilunar valves in cattle, pigs, and sheep. Smith RB, et al.
Cardiovasc Res 5:194-200, Apr 71

INNERVATION

Intrinsic innervation of the atrioventricular and semilunar valves in various mammals. Smith RB.
J Anat 108:115-21, Jan 71

PATHOLOGY

Pulmonary atresia with intact ventricular septum and nodular thickening of tricuspid valve. Karpuchas J, et al. Acta Cardiol (Brux) 26:239-48, 1971
Ballooning deformity (mucoid degeneration) of atrioventricular valves. Pomerance A.
Br Heart J 31:343-51, May 69
Isolated ulceration of the tricuspid valve. Pomerance A. J Pathol 102:171-4, Nov 70
Dyspnea, fever, and anasarca in a 39-year-old woman; a clinicopathologic conference. Smith C.
Med Ann DC 40:106-9, Feb 71

PHYSIOLOGY

[Tricuspid flow studied in animals and humans by directional velocimetric catheterization. Normal aspect, physiological variations and diagnostic applications] Kalmanson D, et al.
Arch Mal Coeur 64:854-73, Jun 71 (Fre)
[On the left-sided origin of the tricuspid component of the first heart sound] Luisada AA, et al.
Coeur Med Interne 10:106-7, Jan-Mar 71 (Mul)

PHYSIOPATHOLOGY

Opening snap of the tricuspid valve in atrial septal defect. A phonocardiographic and reflected ultrasound study of sounds in relationship to movements of the tricuspid valve. Tavel ME, et al.
Am Heart J 80:550-5, Oct 70
Auscultatory and phonocardiographic findings in Ebstein's anomaly: correlation of first heart sound with ultrasonic records of tricuspid valve movement. Crews TL, et al. Br Heart J 33:610, Jul 71

SURGERY

Surgery for Ebstein's anomaly. Kitamura S, et al.
Ann Thorac Surg 11:320-30, Apr 71
Obstruction of tricuspid ball-valve prostheses. Vander Veer JB Jr, et al. Circulation 43:Suppl 1:62-7, May 71
Cardiac valve replacement. A seven-year follow-up. Aston SJ, et al.
J Thorac Cardiovasc Surg 61:547-55, Apr 71
Tricuspid valve replacement with a preserved aortic valve homograft for Ebstein's malformation. A case report. Saigusa M, et al.
J Thorac Cardiovasc Surg 62:55-8, Jul 71
[Tricuspid valve replacement in dogs] Contamin C, et al. Ann Chir Thorac Cardiovasc 9:467-80, Oct 70 (Fre)
[Hydatid cyst of the right ventricle revealed by an acute complication. Emergency exeresis with prosthetic replacement of the tricuspid valve] Hazan E, et al. Chirurgie 96:257-60, 1970 (Fre)
[Tricuspid valve replacement with preserved aortic homograft in Ebstein's malformation] Saegusa M, et al. Jap J Thorac Surg 24:200-4, Mar 71 (Jap)

TRANSPLANTATION

[Use of heterovalves for the surgical correction of Ebstein's anomaly] Petrovskiĭ BV, et al.
Grudn Khir 12:3-6, Nov-Dec 70 (Rus)

TRICUSPID VALVE INSUFFICIENCY (C8)

Isolated tricuspid insufficiency. Morgan JR, et al.
Circulation 43:559-64, Apr 71
[Acquired tricuspid diseases. Conclusions] Froment R.
Ann Chir Thorac Cardiovasc 7:585, Apr 68 (Fre)

COMPLICATIONS

Cardiac vein involvement in carcinoid syndrome: possible evidence of retrograde blood flow in cardiac

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

veins in tricuspid insufficiency. Ludwig J.
Am J Clin Pathol 55:617-23, May 71
[The outcome of tricuspid insufficiency after mitral commissurotomy] Radjavi S, et al.
Coeur Med Interne 9:445-54, Oct 70 (Fre)
[Autopsy case of pulmonary stenosis and tricuspid insufficiency with cardiac cirrhosis] Shimano K, et al.
Naika 28:1141-7, Dec 70 (Jap)
[Radiographic signs of cardiac rotation in mitral-tricuspid defects] Mazaev PN, et al.
Grudn Khir 12:45-51, Nov-Dec 70 (Rus)

DIAGNOSIS

Tricuspid insufficiency and cor pulmonale.
Chest 58:553-4, Nov 70
Detection of tricuspid valvular regurgitation with a catheter velocitometer. Nolan SP, et al.
Circulation 43:Suppl 1:57-61, May 71
[Use of dye dilution curves in examination of the tricuspid valve] Bouchard F, et al.
Arch Mal Coeur 62:1493-9, Oct 69 (Fre)
[Characteristics of the systolic murmur in tricuspid valve insufficiency] Grishkevich VM, et al.
Kardiologiia 11:31-8, Jan 71 (Rus)

ETIOLOGY

[Fistulas between the aorta and right ventricle. A complicated case of septicemia with aortic and tricuspid valve lesions] Slama R, et al.
Arch Mal Coeur 63:1167-78, Aug 70 (Fre)
[Extensive reversible primary vascular pulmonary hypertension in a patient with Menocil intake] Gertsch M, et al.
Z Kreislaufforsch 59:902-8, Oct 70 (Ger)

PHYSIOPATHOLOGY

Circulatory regulation after experimental tricuspid lesion. Haemodynamics during the development of congestive heart failure. Solti F, et al.
Acta Med Acad Sci Hung 27:321-30, 1970
Dynamics of the normal jugular bulb pulsations and their changes in tricuspid regurgitation. A clinical revision with pertinent historical highlights. Domanchich A, et al. Am Heart J 82:252-68, Aug 71
[Experimental study of right auricular hemodynamics in fibrillation with or without tricuspid insufficiency] Malmejac C, et al.
Ann Chir Thorac Cardiovasc 7:581-4, Apr 68 (Fre)

RADIOGRAPHY

Angiocardiographic evaluation of valvular insufficiency. Baron MG.
Circulation 43:599-605, Apr 71

SURGERY

Homograft replacement for isolated left-sided atrioventricular valve insufficiency with corrected transposition. Cohn LH, et al.
Ann Thorac Surg 12:203-7, Aug 71
Tricuspid valve replacement in rheumatic heart disease. Braimbridge MV, et al.
Br Med J 3:629-31, 12 Sep 70
Surgical treatment of traumatic tricuspid insufficiency: report of a case and review of operated cases. Yamada T, et al.
Bull Tokyo Med Dent Univ 17:319-28, Dec 70
Right bundle-branch block and left anterior fascicular block (left anterior hemiblock) following tricuspid valve replacement. Aravindakshan V, et al.
Circulation 42:895-902, Nov 70
A new reconstructive operation for correction of mitral and tricuspid insufficiency. Carpentier A, et al.
J Thorac Cardiovasc Surg 61:1-13, Jan 71
[Major tricuspid insufficiency and open heart mitral surgery] Blum J, et al.
Ann Chir Thorac Cardiovasc 7:577-9, Apr 68 (Fre)
[Tricuspid lesion associated with mitral or mitro-aortic cardiopathies operated in open heart surgery] Daumet P, et al.
Ann Chir Thorac Cardiovasc 7:571-5, Apr 68 (Fre)
[Surgery of acquired tricuspid cardiopathies in patients with multivalvular lesions] Dubost C, et al.
Ann Chir Thorac Cardiovasc 7:557-64, Apr 68 (Fre)
[Some cases of simultaneous tricuspid and mitral surgery (stenosis and insufficiency)] Michaud P, et al.
Ann Chir Thorac Cardiovasc 7:565-9, Apr 68 (Fre)
[Results of surgery of tricuspid insufficiency] Rocache M, et al. Arch Mal Coeur 63:1587-98, Nov 70 (Fre)
[Valve replacement for tricuspid insufficiency-report of two cases] Koie H, et al.
Arch Jap Chir 36:363-72, 1 May 67 (Jap)
[Surgically treated case of isolated tricuspid insufficiency accompanied by sino-atrial heart block] Irisawa T, et al.
Jap J Thorac Surg 24:270-5, Apr 71 (Jap)

TRICUSPID VALVE STENOSIS (C8)

Tricuspid stenosis--a correction. Colman AL.
Am J Cardiol 27:233, Feb 71
[Acquired tricuspid diseases. Conclusions] Froment R.
Ann Chir Thorac Cardiovasc 7:585, Apr 68 (Fre)

COMPLICATIONS

[Comparative evaluation of the state of the pulmonary circulation in patients with mitral-tricuspid stenosis] Erinia RL. Grudn Khir 12:35-42, Nov-Dec 70 (Rus)
[Radiographic signs of cardiac rotation in mitral-tricuspid defects] Mazaev PN, et al.
Grudn Khir 12:45-51, Nov-Dec 70 (Rus)

CONGENITAL

Pulmonary artery banding in tricuspid atresia without transposed great arteries. Tingelstad JB, et al.
Am J Dis Child 121:434-7, May 71
[Surgical management of 7 cases of tricuspid atresia] Ikeda K, et al.
Jap J Thorac Surg 24:126-32, Feb 71 (Jap)

DIAGNOSIS

[Use of dye dilution curves in examination of the tricuspid valve] Bouchard F, et al.
Arch Mal Coeur 62:1493-9, Oct 69 (Fre)
[Isolated tricuspid stenosis] Jacovella G, et al.
G Ital Cardiol 1:63-71, 1971 (Ita)
[Diagnosis of rheumatic organic and relative tricuspid stenosis according to phonocardiogram data] Garagan SF. Kardiologiia 10:72-80, Sep 70 (Rus)

PHYSIOPATHOLOGY

Circulatory regulation after experimental tricuspid lesion. Haemodynamics during the development of congestive heart failure. Solti F, et al.
Acta Med Acad Sci Hung 27:321-30, 1970
Isolated tricuspid valvular stenosis. Colman AL, et al.
Am J Cardiol 26:443-4, Oct 70
Rheumatic tricuspid stenosis. A haemodynamic correlation. el-Sherif N. Br Heart J 33:16-31, Jan 71

RADIOGRAPHY

The angiocardiographic diagnosis of valvular stenosis. Baron MG. Circulation 44:143-54, Jul 71
Tricuspid atresia, transposition, and coatation of the aorta. Gyepes MT, et al. Radiology 97:833-6, Dec 70

SURGERY

Right bundle-branch block and left anterior fascicular block (left anterior hemiblock) following tricuspid valve replacement. Aravindakshan V, et al.
Circulation 42:895-902, Nov 70
Surgical repair of tricuspid atresia. Fontan F, et al.
Thorax 26:240-8, May 71
[Surgery of acquired tricuspid cardiopathies in patients with multivalvular lesions] Dubost C, et al.
Ann Chir Thorac Cardiovasc 7:557-64, Apr 68 (Fre)
["Correction" of tricuspid atresia. 2 cases "corrected" using a new surgical technic] Fontan F, et al.
Ann Chir Thorac Cardiovasc 10:39-47, Jan 71 (Fre)
[Some cases of simultaneous tricuspid and mitral surgery (stenosis and insufficiency)] Michaud P, et al.
Ann Chir Thorac Cardiovasc 7:565-9, Apr 68 (Fre)

TRIETHYLENE MELAMINE (D4)

Novel assay of 7-alkylation of guanine residues in DNA. Application to nitrogen mustard, triethylenemelamine and mitomycin C. Tomasz M.
Biochim Biophys Acta 213:288-95, 8 Aug 70
Immunity to Dictyocaulus viviparus infection in the guinea pig produced by normal and triethylene melamine-attenuated larvae. Cornwell RL, et al.
J Comp Pathol 81:97-103, Jan 71

PHARMACODYNAMICS

Attenuation of infective Nippostrongylus brasiliensis larvae with triethylene melamine and the production of immunity in rats. Cornwell RL.
J Comp Pathol 81:105-10, Jan 71
Immunity to Dictyocaulus viviparus in calves. I. Exposure of larvae to triethylene melamine (TEM) and preliminary vaccination experiments. Cornwell RL, et al. Res Vet Sci 11:553-9, Nov 70
Immunity to dictyocaulus viviparus in calves. Vaccination with larvae attenuated by triethylene melamine (TEM) or x-irradiation and protection against field challenge. Cornwell RL, et al.
Res Vet Sci 11:569-74, Nov 70
Immunity to Dictyocaulus viviparus in calves. II. Vaccination with normal larvae or larvae attenuated by triethylene melamine (TEM) or x-irradiation and exposure to experimental challenge. Cornwell RL, et al. Res Vet Sci 11:560-8, Nov 70

THERAPEUTIC USE

[Distribution of free amino acids in plasma in patients with a chronic lymphatic and acute leukemia] Höcker P, et al. Wien Klin Wochenschr 83:245-8, 9 Apr 71 (Ger)

TRIFLUOPERAZINE (D6)

Auto-oxidation of thioridazine hydrochloride and trifluoperazine dihydrochloride: implications for clinical practice. Estes ZE. Milit Med 135:296-9, Apr 70

ADMINISTRATION & DOSAGE

Tranylcypromine-trifluoperazine combination in the treatment of schizophrenia. Hedberg DL, et al.
Am J Psychiatry 127:1141-6, Mar 71
A double-blind comparison of the acridane derivative, ciomacran phosphate and trifluoperazine in schizophrenia. Angus JW, et al.
Behav Neuropsychiatry 1:13-8, Apr 69
Clinical effects of various schedules of medication. Chien CP, et al.
Behav Neuropsychiatry 3:5-9, Apr-May 71
Long-term psychotherapy utilizing trifluoperazine in a psychotic preschool child: (a case study). Rock NL.
Dis Nerv Syst 31:546-9, Aug 70
Chronic administration of trifluoperazine in multiple dosages and multiple durations. Gauron EF, et al.
Eur J Pharmacol 13:35-9, 1970
High doses of chlorpromazine and trifluoperazine in the treatment of patients suffering from schizophrenia. Bagadia VN, et al.
J Postgrad Med 17:2-9, Jan 71
[Use of a new oral anticholinergic agent in acute pancreatitis] Kronberger L.
Dtsch Med J 21:1458 passim, Dec 70 (Ger)
[Effect of some phenothiazine derivatives on human embryonal cell culture] Kolmykova VN, et al.
Farmakol Toksikol 34:57-9, 1971 (Rus)
[Effect of triftazin on the succinate dehydrogenase activity in the brain structures of rats] Markin VA, et al. Farmakol Toksikol 33:527-30, Sep-Oct 70 (Rus)
[Change of NAD H2 and NADP H2 dehydrogenases activity in the brain structures of rats under the effect of triftazin] Markin VA, et al.
Farmakol Toksikol 33:569-72, 1970 (Rus)

ADVERSE EFFECTS

[Neuroleptic treatment at the onset of pregnancy and sacro-coccygeal teratoma of the fetus] Bergamaschi P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:316-8, 1968 (Fre)
[Transitory exacerbations arising during the course of neuroleptic therapy] Gurovich IIa.
Zh Nevropatol Psikhiatr 70:919-25, 1970 (Rus)
[With regard to the article by N. N. Timofeev, V. T. Kondrashenko and N. Ia. Nemtseva "An oxyhemometric study of patients with schizophrenia and reactive psychoses during treatment with neuroleptics"] Izakson KhA.
Zh Nevropatol Psikhiatr 70:1103-4, 1970 (Rus)

METABOLISM

The effects of various prior treatments upon the transport of chlorpromazine and trifluoperazine into rat brain. Teller DN, et al.
Dis Nerv Syst 31:Suppl:20-7, Nov 70

PHARMACODYNAMICS

Phenothiazines and chromosome damage. Jenkins EC.
Cytologia (Tokyo) 35:553-60, Dec 70
Glycogen accumulation in dendrites of the rabbit pallidum following trifluoperazine administration. Koizumi J, et al. Exp Brain Res 11:387-91, 26 Nov 70
The influence of hypnotics and tranquilizers on some evoked cortical potentials. Zakusov VV, et al.
Neuropharmacology 10:1-8, Jan 71
The influence of various neuroleptic drugs on noise escape response in rats. Niemegeers CJ, et al.
Psychopharmacologia 18:249-59, 1970
[Effect of triftazin on the ultrastructure of neurons in the rat brain reticular formation] Arefolov VA, et al.
Biull Eksp Biol Med 71:38-43, Jan 71 (Rus)
[The effect of stelazine on the level of nucleic acids in brain tissue] Filippov SP, et al.
Biull Eksp Biol Med 65:66-7, May 68 (Rus)
[Effect of neuroleptic preparations (aminazin, stelazine and haloperidol) on the activity of single neurons] Tolmasskaia ES, et al.
Biull Eksp Biol Med 67:46-8, 1969 (Rus)
[Catecholamine content of the brain stem of albino rats during the development of tolerance to triftazin] Val'dman AV, et al.
Biull Eksp Biol Med 70:51-3, Aug 70 (Rus)

POISONING

[Acute Modabid poisoning in a 3-year-old girl] Valente G. Minerva Pediatr 22:1826-8, 8 Sep 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

THERAPEUTIC USE

Psychopharmacology.
Acta Psychiatr Scand [Suppl] 217:53-8, 1970
Global ratings compared to rating scales in evaluating trifluoperazine-amobarbital in anxious psychoneurotic outpatients. Bercel NA.
Behav Neuropsychiatry 2:15-9, Feb-Mar 71
Relationship between taste threshold for drugs and clinical progress in a mixed group of psychiatric patients. Pan L, et al. Br J Psychiatry 117:653-9, Dec 70
Trial of maintenance therapy in schizophrenia. Leff JP, et al. Br Med J 3:599-604, 11 Sep 71
A clinical comparison of molindone hydrochloride with trifluoperazine in psychotic outpatients. Brauzer B, et al. Curr Ther Res 13:152-7, Mar 71
The clinical effects of intramuscular thiothixene and trifluoperazine in chronic schizophrenia: a comparative study. Holden JM, et al.
Curr Ther Res 13:298-310, May 71
A comparative study of molindone and trifluoperazine. Ramsay RA, et al. Curr Ther Res 12:438-40, Jul 70
Feasibility of evaluating psychopharmaceutical agents in cooperative studies in private practice. Free SM, et al. Dis Nerv Syst 31:763-6, Nov 70
The anti-anxiety effects of haloperidol and trifluoperazine in an outpatient neurotic population. Roesman M, et al. Dis Nerv Syst 31:Suppl:130-3, Nov 70
Differential drug effects of two phenothiazines. (A controlled comparison of thioridazine and trifluoperazine in chronic schizophrenics). Vestre ND, et al. Dis Nerv Syst 31:821-5, Dec 70
[Clinical studies with a new anticoronaritis preparation] Amadini S, et al.
Minerva Cardioangiol 17:532-48, Aug 69 (Ita)
[A therapeutic pathomorphosis of schizophrenia proceeding with paranoid disorders] Ozola MIa.
Zh Nevropatol Psikhiatr 70:800-5, 1970 (Rus)

TOXICITY

[Neurotropic properties of fluphenazine] Liubimov BI, et al. Farmakol Toksikol 34:287-90, May-Jun 71 (Rus)

TRIFLUOROMETHYLHYDROTHIAZIDE see

HYDROFLUMETHIAZIDE (D5, D7)

TRIFLUPROMAZINE (D6)

ADVERSE EFFECTS

A case report of akathisia due to triflupromazine. Antani JA, et al.
J Assoc Physicians India 19:359-60, Apr 71
[Extrapyramidal motoric symptoms and EEG changes following application of phenothiazine derivatives] Schiefer I. Arch Kinderheilkd 183:163-70, Jul 71 (Ger)

METABOLISM

Accumulation of phenothiazine tranquilizers in rat brain and plasma after repeated dosage. Mahju MA, et al. Biochem Pharmacol 18:2701-10, Oct 69

PHARMACODYNAMICS

In vitro cytogenetic investigation of calcium cyclamate, cyclohexylamine and triflupromazine. Green S, et al.
Food Cosmet Toxicol 8:617-23, Dec 70
Central and peripheral actions of anticholinergic drugs when administered with triflupromazine.
Brimblecombe RW, et al.
Neuropharmacology 10:93-101, Jan 71
The influence of various neuroleptic drugs on noise escape response in rats. Niemegeers CJ, et al.
Psychopharmacologia 18:249-58, 1970

THERAPEUTIC USE

[Triflupromazine in obstetrics] Loch EG, et al.
Z Geburtshilfe Gynaekol 172:149-59, Apr 70 (Ger)

TRIGEMINAL NERVE (A8)

Cylindroma in the region of the gasserian ganglion. Case report. Fortuna A, et al.
J Neurosurg 34:427-31, Mar 71
Malignant schwannoma of the trigeminal nerve. Dinakar I, et al. Neurol India 19:43-4, Mar 71
Trigeminal neuropathy in connective tissue disease. Ashworth B, et al.
Neurology (Minneap) 21:609-14, Jun 71
Clinicopathologic observations in prodromal herpes zoster of the fifth cranial nerve. Report of a case. Hudson CD, et al. Oral Surg 31:494-501, Apr 71
Progressive systemic sclerosis presenting with Raynaud's phenomenon in the tongue and sensory trigeminal neuropathy. Casey EB, et al.
Rheumatol Phys Med 11:131-3, Aug 71
[Neurinoma of the Gasser's ganglion with temporal development] Dany A, et al.
Neurochirurgie 16:349-56, Jul-Aug 70 (Fre)
[Toxic trigeminal disease and polyvinylidene chloride] Krieger J, et al.
Rev Otoneuroophtalmol 43:64-8, Jan-Feb 71 (Fre)
[Vestibuloplasty in the nervus mentalis region using a mucosal graft with simultaneous plastic surgery on the floor of the mouth] Pilschka G, et al.
Dtsch Zahnaerztl Z 25:1044-8, Nov 70 (Ger)
[Trigeminal neurinoma] Morniroli G.
Schweiz Arch Neurol Neurochir Psychiatr 107:47-86, 1970 (Ger)
Case of paralysis of the abducent nerve and the trigeminal nerve after spinal anesthesia] Naito H, et al. Surg Ther (Osaka) 23:473-6, Oct 70 (Jap)
[Treatment with intra-canal injections of hydrocortisone in patients with neuralgia of the trigeminal nerve] Kivets AA.
Vrach Delo 3:115-6, Mar 71 (Rus)
[Tumor of the trigeminal nerve as the cause of secondary neuralgia] Dobrotka J, et al.
Cesk Stomatol 71:156-8, May 71 (Slo)

ANALYSIS

Major lipids of non-myelinated (olfactory) and myelinated (trigeminal) nerve of garfish, Lepisosteus osseus. Holton JB, et al.
Biochim Biophys Acta 239:61-70, 8 Jun 71

ANATOMY & HISTOLOGY

Trigemino-thalamic fibre connections in the goat. An experimental anatomical study. Karamanlidis AN, et al. Acta Anat (Basel) 75:596-622, 1970
The intermediate root of the trigeminal nerve in the dog (Canis familaris). Augustine JR, et al.
Anat Rec 169:697-704, Apr 71
Trigeminothalamic fibre connexions in the dog and the pig. An experimental study with the retrograde cell degeneration method. Michail S, et al.
J Anat 107:557-66, Nov 70
Projections of the subnucleus caudalis of the trigeminal nucleus in the sheep. Roberts PA, et al.
J Comp Neurol 141:273-82, Mar 71
Nerve cells in the intracranial part of the trigeminal nerve of man and dog. Anatomical study of the fifth cranial nerve. Mira KM, et al.
J Neurosurg 34:643-6, May 71
Referral of pain from dural stimulation in man. Wirth FP Jr, et al. J Neurosurg 34:630-42, May 71
Efferent projections of the nucleus caudalis of the spinal trigeminal complex in the cat. Kawamura S. Okajimas Folia Anat Jap 47:377-405, Mar 71
[Afferents of trigeminal origin in the bulbar nucleus intercalatus of the rabbit] Bava A, et al.
Boll Soc Ital Biol Sper 45:1454-6, 30 Nov 69 (Ita)
[Maxillofacial neuralgic syndromes. Anatomical data on the sensory and neurovegetative maxillofacial innervation] De Michelis G.
Riv Ital Stomatol 25:813-22, Sep 70 (Ita)
[The trigeminal nerve in Macacus rhesus] Sadowski T, et al. Folia Morphol (Warsz) 29:435-43, 1970 (Pol)

CYTOLOGY

The organization of primary afferents in the subnucleus caudalis of the trigeminal: a light and electron microscopic study of degeneration. Kerr FW.
Brain Res 23:147-65, 13 Oct 70
The fine structure of the subnucleus caudalis of the trigeminal nerve. Kerr FW.
Brain Res 23:129-45, 13 Oct 70
Fine structural aspects of the synaptic organization of the spinal trigeminal nucleus (pars interpolaris) of the cat. Westrum LE, et al.
Brain Res 25:265-87, 22 Jan 71
[Comparative study of some encephalic motor nuclei in neo-tropical chiroptera. 2. Nucleus nervi facialis et nucleus motorius nerve trigemini] Baron G.
Rev Can Biol 29:115-28, Jun 70 (Fre)
[Effect of the nerve growth factor (NGF) on cell cultures of the trigeminal ganglion] Rieske E.
Z Zellforsch Mikrosk Anat 95:546-67, 1969 (Ger)

DRUG EFFECTS

[The gasserian ganglion following conduction anesthesia with tetracaine] Schumacher GH, et al.
Dtsch Stomatol 20:832-9, Nov 70 (Ger)
[Histological changes in Gasser's trigeminal ganglion after experimental conduction anesthesia] Schumacher GH, et al.
Schweiz Monatsschr Zahnheilkd 81:515-36, Jun 71 (Ger)
[Habituation of trigemino-facial reflexes in parkinsonism treated with L-DOPA] Messina C.
Riv Neurol 40:327-36, Sep-Oct 70 (Ita)

ENZYMOLOGY

Electron microscopic localization of alkaline phosphatase in the trigeminal ganglion of the rat. Matsuura H, et al. Histochemie 23:91-7, 1970
[Histochemical occurrence of enzymes in sensory ganglia; exhibited on ganglion semilunare of domestic cattle. I. Oxidoreductases] Liedel K.
Gegenbaurs Morphol Jahrb 115:361-94, 1970 (Ger)

GROWTH & DEVELOPMENT

[Studies of the variability of the structure-forming elements of the in vitro cultivated trigeminal ganglion from the chick embryo] Lindner G, et al.
Z Mikrosk Anat Forsch 82:537-56, 1970 (Ger)

INJURIES

[Vascular compression of the Tractus spinalis Nervi trigemini a possible cause of trigeminal neuralgia] Sunder-Plassmann M, et al.
Nervenarzt 42:323-5, Jun 71 (Ger)

PHYSIOLOGY

Mechanisms involved in the cat's blink reflex. Lindquist C, et al. Acta Physiol Scand 80:149-59, Oct 70
Evidence against mediation of ocular lesion by exposure, histamine, or serotonin following fifth nerve injury in rats. Moses RA, et al.
Am J Ophthalmol 71:574-7, Feb 71
Dynamic interactions in the retinal receptive fields and perceptual correlates. Cervetto L, et al.
Arch Ital Biol 108:485-97, Aug 70
Subcortical commissural interactions between the thalamic trigeminal relay-nuclei. Bava A, et al.
Arch Sci Biol (Bologna) 54:15-34, Jan-Mar 70
Local taste specificity within lingual nerve fields in the cat. Ishiko N. Brain Res 24:343-6, 1 Dec 70
Changes in trigeminal nucleus evoked potentials and behavioral responses elicited by trigeminal stimulation following septal lesions. Rose JD, et al.
Brain Res 26:433-8, 5 Mar 71
Afferent inhibition over the response range of secondary trigeminal neurones. Rowe MJ, et al.
Brain Res 18:371-4, 3 Mar 70
Reduction of response variability in the somatic sensory system by conditioning inputs. Rowe MJ.
Brain Res 22:417-20, 16 Sep 70
Effects of destruction of the trigeminal or olfactory nerve on the human cerebral evoked response to odorous stimuli. Smith DB, et al.
Electroencephalogr Clin Neurophysiol 29:412, Oct 70
Human odorant evoked responses: effects of trigeminal or olfactory deficit. Smith DB, et al.
Electroencephalogr Clin Neurophysiol 30:313-7, Apr 71
Presynaptic excitability changes of primary afferent and corticofugal fibers projecting to trigeminal brain stem nuclei. Dubner R, et al.
Exp Neurol 30:223-38, Feb 71
Peripheral pathway of the proprioceptive afferents from the lateral rectus muscle of the eye. Manni E, et al. Exp Neurol 30:46-53, Jan 71
Presynaptic excitability changes of trigeminothalamic and corticothalamic afferents. Sessle BJ, et al.
Exp Neurol 30:239-50, Feb 71
A protective mechanism for the tongue: suppression of genioglossal activity induced by stimulation of trigeminal proprioceptive afferents. Sauerland EK, et al. Experientia 26:1236-7, 15 Nov 70
Coupling between cells of the trigeminal mesencephalic nucleus. Hinrichsen CF.
J Dent Res 49:Suppl:1369-73, Nov-Dec 70
On the function of the trigeminal mesencephalic nucleus in Caiman sclerops. Veggetti A, et al.
Sperimentale 119:1-17, Jan-Feb 69
The descending trigeminal tract as a mechanism for intersegmental sensory facilitation. Denny-Brown D, et al. Trans Am Neurol Assoc 95:129-33, 1970
Relation of fiber size in trigeminal posterior root to conduction of impulses for pain and touch; production of analgesia without anesthesia in the effective treatment of trigeminal neuralgia. Sweet WH, et al.
Trans Am Neurol Assoc 95:134-9, 1970
[Localization of various cell types in cat Gasser ganglion. Electrophysiological study extracellular microelectrodes] Mei N, et al.
J Physiol (Paris) 63:Suppl 2:297-8, 1970 (Fre)
[Electromyographic studies on the trigeminal reflex in cerebral-paretic children] Hoffmann W, et al.
Kinderaerztl Prax 37:227-33, May 69 (Ger)
[Effects of muscular vibration on the activity of single neurons localized in the region of the sensory nucleus of the trigeminal nerve] Barnes CD, et al.
Boll Soc Ital Biol Sper 47:78-80, 15 Feb 71 (Ita)
Facial and trigeminal nerve function test for the early diagnosis of acoustic neuroma] Katagiri S, et al.
Brain Nerve (Tokyo) 22:1391-7, Dec 70 (Jap)
[Effect of trigeminal nerve block on the speech ability of the lip muscles] Persson A, et al.
Nord Med 85:636, 20 May 71 (Swe)

PHYSIOPATHOLOGY

The role of the motor root in recurrence of trigeminal neuralgia. Saunders RL, et al.
Headache 10:144-7, Jan 71
Posttraumatic pain: experimental trigeminal neuropathy. Gregg JM. J Oral Surg 29:260-7, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Facial reflexes and their clinical use. Bynke O.
Lancet 1:137-8, 16 Jan 71
[The diagnostic value of the corneomandibular reflex in the neurological examination] Holdorff B.
Z Neurol 199:183-91, 1971 (Ger)
[Trigemino-facial reflexes during insulin coma] Messina C, et al.
Acta Neurol (Napoli) 25:357-61, May-Jun 70 (Ita)

SURGERY

Descending trigeminal tractotomy. Neurophysiological approach. Hosobuchi Y, et al.
Arch Neurol 25:115-25, Aug 71
Clinical observations on sensory effects of trigeminal dorsal root section. Ley A, et al.
J Neurol Neurosurg Psychiatry 34:280-4, Jun 71
Late results of bulbar trigeminal tractotomy. Some remarks on recovery of sensibility. Moffie D.
J Neurol Neurosurg Psychiatry 34:270-4, Jun 71
Combined extra-intradural temporal rhizotomy for the treatment of trigeminal neuralgia. Results in 409 patients. Morello G, et al. J Neurosurg 34:372-9, Mar 71
[Microsurgery of the trigeminal nerve: functional anatomy] Provost J, et al.
Neurochirurgie 16:459-70, Nov 70 (Fre)
[Periodontal reactions to trigeminus ligation] Schlegel D, et al. DDZ 24:481-2 passim, Nov 70 (Ger)
[Is electrocoagulation of the Gasserian ganglion in trigeminal neuralgia still a current method? Report on 524 surgical treatments in 372 patients from 1952-1967] Hübner B.
Langenbecks Arch Chir 322:577-81, 1968 (Ger)
[A simple method in trigeminal neuralgia treatment. Report on nearly 1000 peripheral electric coagulations] Krasemann PH, et al.
Langenbecks Arch Chir 322:581-3, 1968 (Ger)
[Current viewpoint on electric coagulation of the Gasserian ganglion in facial pains] Piotrowski W.
Langenbecks Arch Chir 322:573-7, 1968 (Ger)
[Physiopathological interpretation of the reappearance of trigeminal pain after retrogasserian neurotomy] Cecotto C.
Friuli Med 24:623-6, Nov-Dec 69 (Ita)
[Peripheral neuroexeresis in essential trigeminal neuralgia] Laforgia PD.
Riv Ital Stomatol 25:899-940, Oct 70 (Ita)

TRIGEMINAL NEURALGIA (C10)

[Algias in dental pathology] Netter JC, et al.
Rev Stomatol Chir Maxillofac 72:300-1, Mar 71 (Fre)
[Facial pain from the neurological viewpoint] Soyka D.
Med Welt 30:1337-41, 25 Jul 70 (Ger)
[Maxillofacial neuralgic syndromes. Anatomical data on the sensory and neurovegetative maxillofacial innervation] De Michelis G.
Riv Ital Stomatol 25:813-22, Sep 70 (Ita)
[Maxillofacial neuralgic syndromes] Roccia B.
Riv Ital Stomatol 25:781-812, Sep 70 (51 ref.) (Ita)
[Trigeminal neuralgia. 70 patients] Alencastro GG de.
Hospital (Rio de J) 77:1993-2013, Jun 70 (Por)

COMPLICATIONS

[Neurological aspects of jaw and facial pains] Dahl E.
Nor Tannlaegeforen Tid 80:830-7, Dec 70 (Nor)

DIAGNOSIS

Epidermoid cyst presenting as tic douloureux. A case report. Pathmanathan RS.
Br Dent J 131:159-60, 17 Aug 71

DRUG THERAPY

Facial pain treated with carbamazepin (Tegretol). Rasmussen P, et al. Acta Neurol Scand 46:385-408, 1970
An unusual manifestation of Tegretol (carbamazepine) toxicity. Berger H. Ann Intern Med 74:449-50, Mar 71
Diphenylhydantoin.
Med Lett Drugs Ther 13:50-1, 11 Jun 71
Treatment of facial pain with G 32 883 (Tegretol Geigy). Westerholm N. Scand J Dent Res 78:144-8, 1970
[Anti-epileptic drugs in the treatment of essential trigeminal neuralgia] Bergouignan M.
Presse Med 78:1832-4, 10 Oct 70 (Fre)
[Treatment of chronic pain syndromes. Analgesic effect of a neuroleptic] Lützenkirchen H, et al.
Arzneim Forsch 20:930-1, Jul 70 (Ger)
[The significance of depot analgesia in the treatment of trigeminal neuralgia] Gyenes V.
Orv Hetil 111:2313-4, 27 Sep 70 (Hun)
[Clinical evaluation of the use of G-32883 in trigeminal neuralgia] Gentili E.
Sist Nerv 22:298-302, Sep-Oct 70 (Ita)
[Treatment of essential trigeminal neuralgia with Antideprin] Lăzărescu S, et al.
Neurol Psihiatr Neurochir 15:537-42, Nov-Dec 70 (Rum)
[On tegretol (G 32883) treatment of essential trigeminal neuralgia] Sirbu A, et al.
Neurol Psihiatr Neurochir 16:147-51, Mar-Apr 71 (Rum)
[The diagnosis and treatment of trigeminal neuralgia] Kruvolutzkaia EG.
Biull Eksp Biol Med 71:15-7, Mar-Apr 71 (Rus)
[The drug treatment of trigeminal neuralgia] Smirnov VA, et al.
Biull Eksp Biol Med 71:17-9, Mar-Apr 71 (Rus)
[Treatment of trigeminal neuralgia with trimetin] Lobzin VS, et al.
Zh Nevropatol Psikhiatr 70:1648-52, 1970 (Rus)

ETIOLOGY

Trigeminal neuralgia due to cholesteatoma of Meckel's cave. Case report. Mehta DS, et al.
J Neurosurg 34:572-4, Apr 71
Trigeminal neuralgia secondary to asymmetry of the petrous bone. Case report. Obrador S, et al.
J Neurosurg 33:596-8, Nov 70
Zoster sine herpete causing acute trigeminal neuralgia. Easton HG. Lancet 2:1065-6, 21 Nov 70
[New concept of the etiopathogenesis of essential trigeminal neuralgia. Application to the technic of retro-gasserian radicotomy] Lazorthes G, et al.
Mem Acad Chir (Paris) 94:286-90, 1968 (Fre)
[Vascular compression of the Tractus spinalis Nervi trigemini a possible cause of trigeminal neuralgia] Sunder-Plassmann M, et al.
Nervenarzt 42:323-5, Jun 71 (Ger)
[Trigeminal neuralgia with sensory-motor deficit caused by meningioma of the contralateral superior petrosal sinus] Papo I, et al.
Acta Neurol (Napoli) 24:500-10, May-Jun 69 (Ita)
[Extralesion symptoms in the course of spinal compression] Granieri U.
Rass Int Clin Ter 49:1066-96, 15 Sep 69 (Ita)
[Maxillofacial neuralgic syndromes. Symptomatic or secondary dental neuralgias] Re G, et al.
Riv Ital Stomatol 25:941-56, Oct 70 (Ita)
[Autopsy case of orbital aspergillosis with manifestations of orbital apex syndrome] Miyahara T, et al. Saishin Igaku 26:1409-13, Jul 71 (Jap)
[Pathogenesis of trigeminal neuralgia] Lebkowski J, et al. Pol Tyg Lek 26:641, 26 Apr 71 (Pol)
[Neural etiopathogenesis of trigeminal neuralgia] Estiu A.
Rev Sanid Milit Argent 69:153-9, Jan-Jun 70 (Spa)
[Tumor of the trigeminal nerve as the cause of secondary neuralgia] Dobrotka J, et al.
Cesk Stomatol 71:156-8, May 71 (Slo)

OCCURRENCE

Trigeminal neuralgia--a review of 331 cases. Kalyanaraman S, et al.
Neurol India 18:Suppl 1:100-8, Dec 70

PHYSIOPATHOLOGY

The role of the motor root in recurrence of trigeminal neuralgia. Saunders RL, et al.
Headache 10:144-7, Jan 71
[Maxillofacial neuralgic syndromes. Physiopathology of the peripheral pain of the maxillofacial region] Pini CE, et al.
Riv Ital Stomatol 25:823-84, Sep 70 (137 ref.) (Ita)
[Physiopathology of bucco-maxillo-facial pain] Filipescu A, et al.
Stomatologia (Bucur) 18:253-61, May-Jun 71 (Rum)
[Electroencephalographic, electromyographic and chronaximetric changes in trigeminal neuralgia] Gvenetadze ZV.
Stomatologiia (Mosk) 49:98-9, Jul-Aug 70 (Rus)
[The functional state of the adrenal cortex and the sympatho-adrenal system before and after surgical treatment of pain syndromes] Khomitskaia LF, et al.
Vopr Neirokhir 34:29-32, May-Jun 70 (Rus)

SURGERY

Descending trigeminal tractotomy. Neurophysiological approach. Hosobuchi Y, et al.
Arch Neurol 25:115-25, Aug 71
Late results of bulbar trigeminal tractotomy. Some remarks on recovery of sensibility. Moffie D.
J Neurol Neurosurg Psychiatry 34:270-4, Jun 71
Combined extra-intradural temporal rhizotomy for the treatment of trigeminal neuralgia. Results in 409 patients. Morello G, et al. J Neurosurg 34:372-9, Mar 71
Surgical treatments in trigeminal neuralgia. Iizuka J.
Minerva Neurochir 15:1-7, 1971
Trigeminal neuralgia. Rao SB, et al.
Neurol India 18:181-4, Sep 70
Surgical treatment of trigeminal neuralgia following the method of Dandy. Some historical remarks and technical suggestions. Hanrasts PR.
Psychiatr Neurol Neurochir 73:441-6, Nov-Dec 70
[New concept of the etiopathogenesis of essential trigeminal neuralgia. Application to the technic of retro-gasserian radicotomy] Lazorthes G, et al.
Mem Acad Chir (Paris) 94:286-90, 1968 (Fre)
[Is electrocoagulation of the Gasserian ganglion in trigeminal neuralgia still a current method? Report on 524 surgical treatments in 372 patients from 1952-1967] Hübner B.
Langenbecks Arch Chir 322:577-81, 1968 (Ger)
[A simple method in trigeminal neuralgia treatment. Report on nearly 1000 peripheral electric coagulations] Krasemann PH, et al.
Langenbecks Arch Chir 322:581-3, 1968 (Ger)
[Current viewpoint on electric coagulation of the Gasserian ganglion in facial pains] Piotrowski W.
Langenbecks Arch Chir 322:573-7, 1968 (Ger)
[Results and complications of surgery for trigeminal neuralgia] Grunert V, et al.
Neurochirurgia (Stuttg) 14:127-33, Jul 71 (Ger)
[Indication for Sjöqvist's tractotomy and its results] Grunert V, et al.
Wien Med Wochenschr 120:846-8, 21 Nov 70 (Ger)
[Physiopathological interpretation of the reappearance of trigeminal pain after retrogasserian neurotomy] Cecotto C.
Friuli Med 24:623-6, Nov-Dec 69 (Ita)
[Retrogasserian subtemporal intradural neurotomy by means of microsurgery] Davini V.
Minerva Neurochir 14:236-7, Apr-Sep 70 (Ita)
[Pathogenesis of facial paralysis and keratitis caused by Spiller-Frazier retrogasserian neurotomy] Perria C. Minerva Neurochir 13:166-71, 1969 (Ita)
[Surgical treatment of essential neuralgia of the 3d branch of the trigeminal nerve] Cattaneo VM, et al.
Minerva Stomatol 19:283-7, Jul-Aug 70 (Ita)
[Peripheral nerve resection in the management of essential trigeminal neuralgia] Torrielli F, et al.
Minerva Stomatol 20:69-71, Mar-Apr 71 (Ita)
[Peripheral neuroexeresis in essential trigeminal neuralgia] Laforgia PD.
Riv Ital Stomatol 25:899-940, Oct 70 (Ita)
[Results of surgical treatment of spontaneous trigeminal neuralgia by extragnaglion neurotomy with intradural modification] Bromowicz J, et al.
Neurol Neurochir Pol 4:689-92, Nov-Dec 70 (Pol)
[The surgical treatment of neuralgia of the trigeminal nerve and morphological changes in its branches] Smirnov VA, et al.
Stomatologiia (Mosk) 50:23-7, May-Jun 71 (Rus)

THERAPY

Relation of fiber size in trigeminal posterior root to conduction of impulses for pain and touch; production of analgesia without anesthesia in the effective treatment of trigeminal neuralgia. Sweet WH, et al.
Trans Am Neurol Assoc 95:134-9, 1970
[Trigeminal neuralgia] Soyka D.
Med Welt 22:1457, 11 Sep 71 (Ger)
[Maxillofacial neuralgias. Essential trigeminal neuralgias] Ciocatto E.
Riv Ital Stomatol 25:893-8, Oct 70 (Ita)

TRIGLYCERIDES (D11)

Influence of medium-chain triglycerides on steatorrhea--in maldigestion, malabsorption and primary exudative enteropathy. Creutzfeldt W, et al.
Am J Proctol 22:47-55, Feb 71
Hydrolysis of monomolecular films of trioctanoin by porcine pancreatic lipase. Garner CW, et al.
Biochem Biophys Res Commun 39:672-82, 22 May 70
On the positional and chain specificities of Candida cylindracea lipase. Benzonana G, et al.
Biochim Biophys Acta 231:15-22, 2 Feb 71
Transfer of triglyceride between isolated human lipoproteins. Quarfordt SH, et al.
Biochim Biophys Acta 231:299-4, 16 Mar 71
Mass spectrometry of triglycerides. II. Specifically deuterated triglycerides and elucidation of fragmentation mechanisms. Aasen AJ, et al.
Lipids 5:869-77, Nov 70
Mass spectrometry of triglycerides. 1. Structural effects. Lauer WM, et al. Lipids 5:861-8, Nov 70
Response to medium chain triglycerides in von Gierke's disease. Cuttino JT Jr, et al. Pediatrics 46:925-9, Dec 70
[Lipolytic activity of adipose tissue. II. Triglyceride-lipase activity of human adipose tissue] Boyer J, et al.
Biochim Biophys Acta 210:411-9, 8 Sep 70 (Fre)
[Transesterification and esterification of long- and short chain fatty acids in capillaries for gas chromatography] Oette K, et al.
Z Klin Chem Klin Biochem 8:535-8, Sep 70 (Ger)
[Medium chain triglycerides in modern dietetics] Finzi M. Minerva Med 62:Suppl:37, Jun-Jul 71 (Ita)
[Nutritional effect of dry milk replaced with medium chain trigiyceride in infants with low birth weight (evaluation based on protein and lipid metabolism and kidney solute loading)] Morita T, et al.
Acta Paediatr Jap 75:54-66, 1 Jan 71 (Jap)

ADMINISTRATION & DOSAGE

[Study of the phosphatid fractions in the human small intestinal juice before and after administration of middle chain triglycerides] Berg G, et al.
Z Ernaehrungswiss 10:157-9, Apr 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

Pathogenesis of post-traumatic fat embolism. Kerstell J. Am J Surg 121:712-5, Jun 71
The composition of triglycerides from liver, egg yolk and adipose tissue of the laying hen. Husbands DR. Biochem J 120:365-71, Nov 70
The structure of egg yolk triglycerides. Christie WW, et al. Biochim Biophys Acta 218:33-8, 6 Oct 70
Unique lipids of the porpoise (Tursiops gilli): differences in triacyl glycerols and wax esters of acoustic (mandibular canal and melon) and blubber tissues. Varanasi U, et al. Biochim Biophys Acta 231:415-8, 16 Mar 71
Variations in the levels of cholesterol and triglyceride in the skin surface fat during the menstrual cycle. MacDonald I, et al. Br J Dermatol 83:473-6, Oct 70
Molecular species of glycerophosphatides and triglycerides of egg yolk lipoproteins. Gornall DA, et al. Can J Biochem 49:51-60, Jan 71
Lipids in plant tissue cultures. I. The fatty acid composition of triglycerides in rape and turnip rape cultures. Staba EJ, et al. Chem Phys Lipids 6:291-5, Jul 71
Simplified measurement of monoglycerides, diglycerides, triglycerides, and free fatty acids in biological samples. Marzo A, et al. Clin Chem 17:145-7, Mar 71
An assessment of the Van de Kamer method for estimation of faecal fat. Kelleher J, et al. Clin Chim Acta 30:267-71, Nov 70
Triglycerides in wheat germ as chemical stimuli eliciting aggregation of the confused flour beetle, Tribolium confusum (Coleoptera: Tenebrionidae). Tamaki Y, et al. J Agric Food Chem 19:285-8, Mar-Apr 71
Position of endogenous radioactive fatty acids in mammary triglycerides. Kinsella JE. J Dairy Sci 54:1014-7, Jul 71
The composition of marine-oil triglycerides as determined by silver ion-thin-layer chromatography. Bottino NR. J Lipid Res 12:24-30, Jan 71
Composition of wax esters, triglycerides and diacyl glyceryl ethers in the jaw and blubber fats of the Amazon River dolphin (Inia geoffrensis). Ackman RG, et al. Lipids 6:69-77, Feb 71
The variation of triglyceride structure with fatty acid composition in pig adipose tissue. Christie WW, et al. Lipids 5:921-8, Nov 70
Pancreatic lipolysis of enantiomeric triglycerides. Jensen RG, et al. Lipids 5:580-1, Jun 70
Effect of acute exercise on tissue lipids in rats. Fröberg SO. Metabolism 20:714-20, Jul 71
Sources of fatty acids in the newborn. King KC, et al. Pediatrics 47:Suppl 2:192-8, Jan 71
[Structure of copra oil triglycerides] Bézard J. J Physiol (Paris) 62:Suppl 2:249, 1970 (Fre)
[Pathogenesis of fat accumulation in the liver by alcohol. 3. Effect of ethanol on metabolites and coenzymes of energy supplying metabolism in the liver and blood at standard diet and low protein diet] Bode C, et al. Klin Wochenschr 48:1180-8, 1 Oct 70 (Ger)
[Methodical studies on the determination of triglycerides in liver punctates using thin layer chromatography] Jarcos W, et al. Z Med Labortech 11:322-35, 1970 (Ger)
[Histochemical studies of the lipids of compound nevus] Pelfini C, et al. Boll Soc Ital Biol Sper 46:189-91, 28 Feb 70 (Ita)
[Triglyceride composition of animal tissues] Vereshchagin AG. Usp Sovrem Biol 71:184-207, Mar-Apr 71 (110 ref.) (Rus)
[Arteriosclerosis--nicotinic acid therapy. 11. Nicotinic acid and tissue triglycerides] Fröberg SO. Lakartidningen 68:1773-5, 7 Apr 71 (Swe)

ANTAGONISTS & INHIBITORS

Antilipidemic effect of nafenoic acid. Russo C, et al. Clin Pharmacol Ther 12:676-7, Jul-Aug 71
[Arteriosclerosis--nicotinic acid therapy. 12. Some effects on experimental animals] Brattsand R, et al. Lakartidningen 68:1776-82, 7 Apr 71 (Swe)

BIOSYNTHESIS

Lipid synthesis by lung subcellular particles. Tombropoulos EG. Arch Intern Med 127:408-12, Mar 71
The regulation of triglyceride synthesis and fatty acid synthesis in rat epididymal adipose tissue. Saggerson ED, et al. Biochem J 119:193-219, Sep 70
The regulation of triglyceride synthesis and fatty acid synthesis in rat epididymal adipose tissue. Effects of altered dietary and hormonal conditions. Saggerson ED, et al. Biochem J 119:221-42, Sep 70
Biosynthesis of alkyldiacylglycerols and triacylglycerols in a cell-free system from the liver of dogfish (Squalus acanthias). Malins DC, et al. Biochemistry 10:1107-10, 30 Mar 71
Comparative rates of free fatty acid esterification in rat epididymal, perirenal and omental adipose tissue. Durham BC, et al. Biochim Biophys Acta 231:257-63, 16 Mar 71
The metabolism in vitro of enantiomeric I-O-alkyl glycerols and 1,2-and 1,3-alkyl acyl glycerols in the intestinal mucosa. Paltauf F, et al. Biochim Biophys Acta 239:47-56, 8 Jun 71
Biosynthesis of glyceryl triphytanate in rabbit receiving a diet enriche with phytol. Sezille G, et al. Clin Chim Acta 29:335-7, Aug 70
Metabolism of phospholipids, neutral lipids and carbohydrates in dispersed porcine thyroid cells: comparative effects of pituitary thyrotropin and dibutyryl-3',5'-adenosine monophosphate on the turnover of slices from pig thyroid. Scott TW, et al. Endocrinology 87:854-63, Nov 70
Phenobarbital-induced alterations in phosphatidylcholine and triglyceride synthesis in hepatic endoplasmic reticulum. Young DL, et al. J Lipid Res 12:1-8, Jan 71
Incorporation of 1,3-C 14 -glycerol into triglycerides of adipose tissue from suckling rats. Hahn P, et al. Life Sci [II] 7:187-90, 15 Feb 68
Effect of chlorophenoxyisobutyrate on the metabolism of endogenous glycerides in man. Sodhi HS, et al. Metabolism 20:309-18, Mar 71
Synthesis of phospholipids and triglycerides in human liver slices. II. Influence of preoperative fructose load. Scherstén T, et al. Scand J Clin Lab Invest 26:399-406, Dec 70
[Incorporation of 3H-9-10 palmitic acid in the triglycerides and lipoproteins of rats poisoned by white phosphorus] Truhaut R, et al. C R Acad Sci [D] (Paris) 272:2400-3, 3 May 71 (Fre)
[Metabolism of the adipose tissue cell. The phenomena of lipogenesis and lipolysis] Lefebvre P. Rev Med Liege 25:18-28, 1 Jan 70 (Fre)

BLOOD

Effect on man's serum lipids of two proteins with different amino acid composition. Anderson JT, et al. Am J Clin Nutr 24:524-30, May 71
Serum cholesterol and triglycerides during mild glucose intolerance. Danowski TS, et al. Am J Clin Nutr 24:855-8, Jul 71
Endogenous hypertriglyceridemia in type II hyperlipoproteinemia. Biankenhorn DH, et al. Am J Hum Genet 22:493-504, Sep 70
Comparisons of serum lipid and uric acid content in white and Negro men. Benedek TG, et al. Am J Med Sci 260:331-40, Dec 70
Plasma lipid and lipoprotein changes during "pill-a-month" contraceptive steroid administration. Sachs BA, et al. Am J Obstet Gynecol 109:155-8, 1 Jan 71
Norethindrone acetate, postheparin lipolytic activity, and plasma triglycerides in familial types I, 3, IV, and V hyperlipoproteinemia. Studies in 26 patients and 5 normal persons. Glueck CJ, et al. Ann Intern Med 75:345-52, Sep 71
Kinetics of plasma triglyceride metabolism in normal human subjects. Evidence for heterogeneity of the population. Nikkilä EA, et al. Ann Med Exp Biol Fenn 48:246-8, 1970
Effect of different doses of vitamin D on serum cholesterol and triglyceride levels in healthy men. Carlson LA, et al. Atherosclerosis 12:313-7, Sep-Oct 70
A basic study on the global coagulation and fibrinolysis of hyperlipaemic and atherosclerotic patiens. 1. The role of atherosclerosis and endogenous hypertrigliceridaemia in global coagulability and fibrinolyis. Holzknecht F, et al. Atherosclerosis 12:415-26, Nov-Dec 70
Changes in the serum concentration of cholesterol, triglycerides and phospholipids in the mouse and rat after administration of either chlorcyclizine or phenobarbital. Salvador RA, et al. Biochem Pharmacol 19:1463-9, Apr 70
Changes in serum triglyceride and cholesterol levels independently of free fatty acid after lipolysis inhibitors. Tamási G, et al. Biochem Pharmacol 19:1825-30, May 70
Lipoprotein lipase activity of adipose and mammary tissue and plasma triglyceride in pregnant and lactating rats. Hamosh M, et al. Biochim Biophys Acta 210:473-82, 8 Sep 70
Addressing a medical meeting: effect on heart rate, electrocardiogram, plasma catecholamines, free fatty acids, and triglycerides. Somerville W, et al. Br Heart J 33:608, Jul 71
Effect of sex hormones on fasting serum triglycerides in baboons given high-sucrose diets. Coitart TM, et al. Br J Nutr 25:323-31, May 71
Effects of a phenolic ether, Su-13437, on serum cholesterol, triglyceride, and transaminase levels of human subjects. Duncan CH, et al. Circulation 42:859-65, Nov 70
Automated colorimetric method for estimating serum trigiycerides. McLellan GH. Clin Chem 17:535-7, Jun 71
Simplified manual micromethod for determination of serum triglycerides. Soloni FG. Clin Chem 17:529-34, Jun 71
An improved method for determination of serum and plasma triglycerides. Chin HP, et al. Clin Chim Acta 31:381-6, Feb 71
Hypolipidemic, uricosuric, and thyroxine-displacing effects of MK-185 (halofenate). Morgan JP, et al. Clin Pharmacol Ther 12:517-24, May-Jun 71
Effect of experimental hypertriglyceridaemia on tissue and serum lipoprotein lipase activity. Shafrir E, et al. Eur J Clin Invest 1:19-24, Mar 70
Effect of alpha-tocopherol and tocopheronolactone on ethanol induced fatty liver and triglyceridemia. Hirayama C, et al. Experientia 26:1306-8, 15 Dec 70
Serum lipids and their relation to blood groups and serum alkaline phosphatase isozymes. Beckman L, et al. Hum Hered 20:569-79, 1970
Studies in carbohydrate-induced hypertriglyceridemia. Aspects of fructose metabolism. Kaufmann NA, et al. Isr J Med Sci 6:80-5, Jan-Feb 70
Diabetes mellitus--present problems and new research. V. Biochemical abnormalities in atherosclerosis. Sharkey TP. J Am Diet Assoc 58:339-44, Apr 71
Determination of the endogenous component of alimentary lipemia. Sullivan JF, et al. J Clin Endocrinol Metab 31:640-6, Dec 70
Diurnal fluctuations in triglyceride, free fatty acids, and insulin during sucrose consumption and insulin infusion in man. Barter PJ, et al. J Clin Invest 50:583-91, Mar 71
A biochemical and morphologic study of very low density lipoproteins in carbohydrate-induced hypertriglyceridemia. Ruderman NB, et al. J Clin Invest 50:1355-68, Jun 71
An AutoAnalyzer method for estimating serum glyceride glycerol using a glycerokinase procedure. Bell JL, et al. J Clin Pathol 23:509-13, Sep 70
The distribution of triglyceride in subclasses of very low density plasma lipoproteins. Barter PJ, et al. J Lab Clin Med 76:925-32, Dec 70
Alcoholic hyperlipidemia: induction by alcohol but not by carbohydrate. Kudzma DJ, et al. J Lab Clin Med 77:384-95, Mar 71
Localization in the ventromdedial hypothalamic nuclei of an area affecting plasma triglyceride and cholesterol levels. Bernardis LL, et al. J Neurovisc Relat 33:90-103, 1971
Effect of estrogen on the serum cholesterol and triglyceride levels of prostatic cancer patients. Kontturi M, et al. J Urol 105:847-9, Jun 71
Hypertriglyceridemia and change of serum LDH activity in experimental animals injected with cobalt compound. Asano S, et al. Jap J Hyg 25:453-8, Dec 70
Serum insulin, glucose, and lipid levels among mild diabetics in relation to incidence of vascular complications. Elkeles RS, et al. Lancet 1:880-3, 1 May 71
Raised serum-lipids unaffected by beta-blockade. Lloyd-Mostyn RH, et al. Lancet 2:1040, 14 Nov 70
Triglyceride concentrations in primary gout and gout of chronic lead nephropathy. Emmerson BT, et al. Metabolism 20:721-9, Aug 71
Effects of oxandrolone on plasma triglycerides and postheparin lipolytic activity in patients with types 3, IV, and V familial hyperlipoproteinemia. Glueck CJ. Metabolism 20:691-702, Jul 71
Plasma triglyceride turnover during use of oral contraceptives. Kekki M, et al. Metabolism 20:878-89, Sep 71
Effect of a combination of propranolol and nicotinic acid on the inhibition of norepinephrine-induced elevations of serum triglyceride, serum glycerol, and plasma free fatty acids in the dog. Lipson MJ, et al. Metabolism 20:580-9, Jun 71
Conversion of ingested carbohydrate-14C into glycerol and fatty acids of serum triglyceride in patients with myocardial infarction. Maruhama Y. Metabolism 19:1085-93, Dec 70
Changes in serum lipids. During administration of an oral contraceptive. Johnson HW, et al. Minn Med 54:335-6, May 71
Insulin, glucose, and carbohydrate nutrition in hyperlipoproteinemias. Nutr Rev 28:204-6, Aug 70
Suppression by hepatectomy of glucagon-induced hypertrigliceridemia in geese. De Oya M, et al. Proc Soc Exp Biol Med 136:107-10, Jan 71
The plasma clearance of synthetic emulsions of triglycerides containing long chain fatty acids and medium chain fatty acids. Guisard D, et al. Rev Eur Etud Clin Biol 15:674-8, Jun-Jul 70
Measurement of plasma triglyceride turnover in the study of hyperglyceridemia. Nikkilä EA, et al. Scand J Clin Lab Invest 27:97-104, Apr 71 (27 ref.)
Hypolipidemia in a mutant strain of "acatalasemic" mice. Goldfischer S, et al. Science 173:65-6, 2 Jul 71
Serum triglycerides and unesterfied fatty acids in human neoplasia. Mays ET. Surg Forum 21:107-9, 1970
Serum cholesterol and triglyceride levels in human beings after vagotomy. Nighbert EJ, et al. Surg Forum 21:322-3, 1970
The hyperlipemia of lymphoma-bearing hamsters. Albrink WS, et al. Yale J Biol Med 43:288-96, Feb-Apr 71
[Inborn errors of lipid metabolism. XX. Determination of triglycerides in hyperlipidemias] Kopecká J, et al. Cas Lek Cesk 110:706-12, 23 Jul 71 (Cze)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Colorimetric determination of triglycerides] Sobotka J. Vnitr Lek 17:600-4, Jun 71 (Cze)
[Pancreatic lipase and triglyceride lipolysis: speed of formation of free fatty saturated and nonsaturated acids in relation to temperature and calcium concentration] Parijs J, et al.
Acta Gastroenterol Belg 34:79-85, Jan 71 (Fre)
[Type IV hyperlipoproteinemia in a female diabetic] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 78:74-6, 1971 (Fre)
[Effect of intravenous perfusions of ethanol on lipid constituents of serum in humans] Lepoire E, et al.
C R Soc Biol (Paris) 164:1339-43, 1970 (Fre)
[Study by preparative ultracentrifugation of the lipid composition of the main classes of plasma lipoproteins in normal subjects and in atherosclerosis without manifest hyperlipemia state] Sezille G, et al.
Lille Med 15:1244-8, Nov 70 (Fre)
[An ultramicro method for the fluorimetric determination of serum triglycerides] Gödicke W, et al. Clin Chim Acta 30:727-36, Dec 70 (Ger)
[Changes in the spectrum of esterified fatty acids (triglycerides) in the plasma in experimental nephrogenic hypertension in rats] Michailov ML, et al.
Dtsch Gesundheitsw 26:763-7, 22 Apr 71 (Ger)
[Physiopathology of primary hypertriglyceridemias] Sandhofer F, et al.
Ergeb Inn Med Kinderheilkd 31:2-58, 1971 (463 ref.) (Ger)
[Serum turbidity and triglyceride concentration] Meinecke KH, et al. Med Klin 65:796-8, 17 Apr 70 (Ger)
[Influencing the blood triglycerides of diabetics. Effect of a high carbohydrate diet with large fructose content] Benarroch IS, et al.
Munch Med Wochenschr 113:1197-201, 10 Sep 71 (Ger)
[Effect of phospholipids on alimentary hyperlipemia in the pig] Hertle H, et al.
Z Gesamte Exp Med 152:143-51, 1970 (Ger)
[Short-term effect of ethyl alcohol on serum lipids of healthy fasting persons] Kaffarnik H, et al.
Z Gesamte Exp Med 152:187-200, 1970 (Ger)
[Studies on the effect of essential phospholipids in the essential hypertriglyceridemia] Walther M, et al.
Z Gesamte Inn Med 24:Suppl:182-4, 1 Jan 69 (Ger)
[Studies on the effect of essential phospholipids in essential hypertriglyceridemia] Walther M, et al.
Z Gesamte Inn Med 24:182-4, 15 Jun 69 (Ger)
[Chemical and electrophoretic characterization of various types of hyperlipoproteinemia] Milani R, et al.
Boll Soc Ital Cardiol 15:62-6, 1970 (Ita)
[Relation between the beginning of nutrition and blood lipid composition during the neonatal period in immature-premature subjects. Study by means of thin layer and gas chromatography. IV. Triglycerides] Salvioli GP, et al.
Clin Pediatr (Bologna) 51:675-81, Dec 69 (Ita)
[Radioimmunologic determination of blood insulin in the last weeks of pregnancy. Correlation between lipemic factors, blood glucose and immunoreactive insulinemia] Fioretti P, et al.
Minerva Ginecol 21:1049-52, 31 Aug 69 (Ita)
[Study on hypertriglyceridemia: from the aspect of glucose and free fatty acid metabolism] Nakamura Y.
J Jap Soc Intern Med 59:946-58, Sep 70 (Jap)
[Serum lipid pattern in ischemic heart disease--study on fatty acid composition and pre-beta-lipoprotein] Fujikuro I, et al. Jap Circ J 34:479-83, May 70 (Jap)
[Triglycerides--how to read its figures] Fukui I, et al.
Jap J Clin Med 29:Suppl:277-88, Jan 71 (63 ref.) (Jap)
[Contribution to the study of blood uric acid in normal individuals: correlation between blood cholesterol, triglycerides, total lipids, sugar and free fatty acids] Godoy M, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:15-22, Jan-Feb 71 (Por)
[Serum lipoprotein lipase activity in diabetes mellitus. II. Hypertriglyceridemia and lipoprotein lipase activity] Gligore V, et al.
Stud Cercet Endocrinol 22:41-6, 1971 (Rum)
[Progressive lipodystrophy (Barraquer-Simons' syndrome)] Sapelkina LV, et al.
Vopr Okhr Materin Det 16:73-5, Feb 71 (Rus)
[Arteriosclerosis obliterans of all four limbs. Hypercholesteremia and hyperlipemia. Ligation of the intestinal lymphatic trunk] Monserrat J, et al.
Angiologia 23:64-8, Mar-Apr 71 (Spa)
[Lipoprotein lipase. Physiology and pathophysiology] Persson B. Nord Med 85:261-6, 4 Mar 71 (49 ref.) (Swe)

CEREBROSPINAL FLUID

Fatty acid profiles of various lipids in the cerebrospinal fluid. Goto M, et al.
Proc Soc Exp Biol Med 136:1294-6, Apr 71

METABOLISM

Studies on hepatotoxicity induced by chlorinated hydrocarbons. II. Lipid metabolism and absorption spectrum of microsomal lipid in the mice exposed to 1, 1, 2, 2-tetrachloroethane. Tomokuni K.
Acta Med Okayama 24:315-22, Jun 70
The bile acids: the digestion and absorption of different triglycerides and the effects on the absorption of calcium and magnesium. Hanna F.
Acta Paediatr Scand 60:377-8, May 71
Effect of prolonged strenuous exercise on the concentration of triglycerides, phospholipids and glycogen in muscle of man. Fröberg SO, et al.
Acta Physiol Scand 82:167-71, Jun 71
Comparison of isocaloric quantities of medium-chain tryglyceride and carbohydrate in promoting weight gain in short bowel rats. Hastings J, et al.
Am J Dig Dis 16:135-8, Feb 71
Uremic lipemia. An unrecognized abnormality in triglyceride production and removal. Bagdade JD.
Arch Intern Med 126:875-81, Nov 70
Organ-specific triglycerides. Kaunitz H.
Arzneim Forsch 20:1500-5, Oct 70
Biochemical aspects associated with an ethanol-induced fatty liver. Walker JE, et al.
Biochem J 119:511-6, Sep 70
The effect of heparin on the metabolism of triglycerides by the liver. Davis DC, et al.
Biochem Pharmacol 19:411-20, Feb 70
Lipolytic activity of adipocyte ghosts. Crum LR, et al.
Biochim Biophys Acta 225:161-5, 5 Jan 71
The metabolism of free fatty acids and chylomicron triglyceride fatty acids by isolated rat liver cells. Felts JM, et al. Biochim Biophys Acta 231:1-7, 2 Feb 71
Mode of action of chlorophenoxyisobutyric acid on cholesterol metabolism in man. Horlick L, et al.
Circulation 43:299-309, Feb 71
Concentration of triglycerides, phospholipids and glycogen in skeletal muscle and of free fatty acids and beta-hydroxybutyric acid in blood in man in response to exercise. Carlson LA, et al.
Eur J Clin Invest 1:248-54, Jan 71
Plasma triglyceride metabolism in the adult nephrotic syndrome. Kekki M, et al.
Eur J Clin Invest 1:345-51, May 71
Lipolytic activity of human gastric and duodenal juice against medium and long chain triglycerides. Cohen M, et al. Gastroenterology 60:1-15, Jan 71
The regulation of hepatic triglyceride metabolism by free fatty acids. Kohout M, et al.
J Biol Chem 246:5067-74, Aug 71
Quantitative studies of the metabolism of chylomicron triglycerides and cholesterol by liver and extrahepatic tissues of sheep and dogs. Bergman EN, et al. J Clin Invest 50:1831-9, Sep 71
Splanchnic metabolism of free fatty acids and production of triglycerides of very low density lipoproteins in normotriglyceridemic and hypertriglyceridemic humans. Havel RJ, et al.
J Clin Invest 49:2017-35, Nov 70
Very low density lipoprotein triglyceride transport in type IV hyperlipoproteinemia and the effects of carbohydrate-rich diets. Quarfordt SH, et al.
J Clin Invest 49:2281-97, Dec 70
Transport of plasma free fatty acids and triglycerides in man: a theoretical analysis. Shames DM, et al.
J Clin Invest 49:2298-314, Dec 70
Action of pregastric esterase on synthetic triglycerides containing butyric acid. Pitas RE, et al.
J Dairy Sci 53:1083-5, Aug 70
Accumulation and release of triglycerides by rat liver following partial hepatectomy. Delahunty TJ, et al.
J Lipid Res 11:536-43, Nov 70
Effect of essential fatty acid deficiency on release of triglycerides by the perfused rat liver. Fukazawa T, et al. J Lipid Res 11:523-7, Nov 70
Interaction of beef liver lipase with mixed micelles of tripalmitin and Triton X-100. Kaplan A, et al.
J Lipid Res 12:324-30, May 71
Wolman's disease with hypolipoproteinemia and acanthocytosis: clinical and biochemical observations. Eto Y, et al. J Pediatr 77:362-7, Nov 70
Wolman's disease. Philippart M.
J Pediatr 79:173-4, Jul 71
Triglyceride and precursor concentrations in the fatty liver of rats after chronic administration of ethanol. Bustos G, et al. J Pharm Pharmacol 23:638-9, Aug 71
Intracellular hydrolysis of short chain glycerides by rat small intestine in vitro and transfer of glycerol. Howard J, et al. J Physiol (Lond) 208:461-71, Jun 70
Studies on the mechanism of inhibition of lipolysis by phenoxybenzamine. Santhanam K, et al.
Life Sci [II] 10:437-42, 22 Apr 71
Hepatotoxicity and lipid metabolism. IV. Structure and molecular species of hepatic triglyceride in rats treated with carbon tetrachloride. Sugano M, et al.
Lipids 6:141-4, Feb 71
Metabolic studies of human obesity. Salans LB, et al.
Med Clin North Am 54:1533-42, Nov 70 (38 ref.)
Medium-chain triglycerides.
Med J Aust 1:298-9, 6 Feb 71
Hypothalamic obesity in the weanling rat: effect of diet upon hormonal and metabolic alterations. Frohman LA, et al. Metabolism 20:501-12, May 71
Plasma triglyceride turnover during use of oral contraceptives. Kekki M, et al.
Metabolism 20:878-89, Sep 71
Ethanol-induced changes in hepatic alpha-glycerophosphate and triglyceride concentrations in normal and thyroxine-treated rats. Ylikahri RH. Metabolism 19:1036-45, Dec 70
Pharmacological control of lipid transport. Paoletti R, et al.
Naunyn Schmiedebergs Arch Pharmakol 269:317-30, 1971
Effects of dietary carbohydrates on body lipid composition and on some enzymatic activities in the rat. Angelico R, et al. Nutr Metab 12:179-91, 1970
Influence of age and strain on the response of rats to dietary fructose and sucrose.
Nutr Rev 29:124-6, May 71 (10 ref.)
Hydrolysis rates of long chain triglycerides: "in vivo" study. Ricour C, et al.
Rev Eur Etud Clin Biol 15:786-8, Aug-Sep 70
Time-course of liver fat accumulation in man after a single load of ethanol. Wiebe T, et al.
Scand J Clin Lab Invest 27:33-6, Feb 71
Triglyceride hydrolysis and calcium accumulation in the rat epididymal fat pad exposed in vitro to norepinephrine and pancreatic lipase. Storek G, et al.
Scand J Gastroenterol 6:231-6, 1971
On the mechanism of action of atromid-S on triglyceride transport in man. Bierman EL, et al.
Trans Assoc Am Physicians 83:211-24, 1970
[Neonatal lipolysis] Leeuw R de.
Maandschr Kindergeneeskd 39:9-27, Feb 71 (Dut)
[Triglyceride esterase activity in human adipose tissue] Boyer J, et al.
Biochim Biophys Acta 220:525-33, 16 Dec 70 (Fre)
[Hydrolysis of long-chain triglycerides in the rennet of preruminant calf] Feliński L, et al.
Bull Acad Pol Sci [Biol] 18:733-7, 1970 (Fre)
[In vivo liver capture of doubly labelled triiaurine] Bézard J, et al.
J Physiol (Paris) 63:6A-7A, Mar-Apr 71 (Fre)
[Semiologic value of triglyceride determination in fasting obesity and diabetes] Plauchu M, et al.
Lyon Med 225:201-15, 14 Feb 71 (Fre)
[Regional distribution of the triglyceride content in the human liver] Kremer GJ, et al.
Verh Dtsch Ges Inn Med 75:884-7, 1969 (Ger)
[The radiotriolein test: verifications and considerations on the significance and reliability of the use of radiohalogenated triglycerides in the study of intestinal absorption of fats] Riccardi A, et al.
Radiol Med (Torino) 55:345-60, Apr 69 (Ita)
[Reesterification of medium chain triglycerides in mucosal cells during their intestinal absorption] Bamba T.
J Jap Soc Intern Med 59:1185-94, 10 Nov 70 (Jap)
[Localization of final stages of tributyrin hydrolysis in epithelial cells of the small intestine] Cherniakhovskaia MIu, et al.
Dokl Akad Nauk SSSR 187:701-4, 21 Jun 69 (Rus)

PHARMACODYNAMICS

Stimulation of insulin secretion by medium-chain triglycerides in patients with cirrhosis. McCullough FS, et al. Gut 12:134-8, Feb 71
Corticoid release and gluconeogenesis following triglyceride ingestion in the rat. Lenz PH, et al.
Lipids 5:534-30, Jun 70
Medium-chain triglycerides as stress agents in vitamin K deficiency. Griminger P, et al.
Poult Sci 50:707-10, May 71
Influence of the source of dietary fat on some metabolic responses of meal-fed rats. Theuer RC.
Proc Soc Exp Biol Med 136:765-8, Mar 71
[Animal experimental studies on fat embolism] Hupe K. Langenbecks Arch Chir 322:1027-33, 1968 (Ger)
[Fatty acid patterns of rat liver during feeding of even- or odd-numbered medium chain triglycerides and varying amounts of linoleic acid] Seng PN, et al.
Z Klin Chem Klin Biochem 8:483-7, Sep 70 (Ger)
[Stimulation of insulin secretion and hypoglycemia by medium chain triglyceride] Ide H.
J Jap Soc Intern Med 60:115-24, Feb 71 (Jap)

STANDARDS

Lipids of commercial serum products offered as controls or "standards" for cholesterol and triglyceride determinations. Witter RF, et al.
Clin Chem 16:743-8, Sep 70

THERAPEUTIC USE

Medium chain triglycerides in paediatric practice. Gracey M, et al.
Arch Dis Child 45:445-52, Aug 70 (62 ref.)
Clinical and physiologic aspects of medium-chain triglycerides: alliviation of steatorrhea in premature infants. Tantibhedhyangkul P, et al.
Bull NY Acad Med 7:17-33, Jan 71
Medium chain triglycerides. Holt PR.
DM 1-30, Jun 71 (71 ref.)
The use of medium-chain triglycerides in the management of biliary atresia. Cohen MI, et al.
J Pediatr 79:379-84, Sep 71
Medium chain triglycerides in the therapy of small bowel Crohn's disease. Tasman-Jones C.
NZ Med J 73:214-5, Apr 71
[Use of medium-chain triglycerides in mucoviscidosis] Verdonk G. Acta Paediatr Belg 24:493-502, 1970 (Dut)
[Pathogenesis and therapy of chologenic diarrhea]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Stremmel W.
Bruns Beitr Klin Chir 218:315-25, Nov 70 (Ger)
[Medium-chain triglycerides: a new therapy in malabsorption syndromes] Egger G.
Praxis 60:1027-30, 3 Aug 71 (Ger)

TRIHEXYPHENIDYL (D5)

ADVERSE EFFECTS

Benzhexol-induced hallucinosis. Hussain MZ.
Can Med Assoc J 104:420-1, 6 Mar 71
[Toxicomaniac behavior caused by artane] Gonin D, et al.
Med Leg Domm Corpor (Paris) 4:149-51, Apr-Jun 71 (Fre)

ANALYSIS

A rapid gas chromatographic method for the determination of benzhexol hydrochloride. Lovejoy DJ. J Chromatogr 57:137-8, 22 Apr 71

PHARMACODYNAMICS

Differences in the stereospecificity of closely related compounds; a reinvestigation of the enantiomers of procyclidine, benzhexol and their metho- and etho-salts. Barlow RB.
J Pharm Pharmacol 23:90-7, Feb 71
[Pharmacological analysis of a case of postanoxic intention and action myoclonus] Lhermitte F, et al.
Rev Neurol (Paris) 124:21-31, Jan 71 (Fre)

POISONING

Toxic psychosis induced by benzhexol hydrochloride. Ananth JV. Can Med Assoc J 103:771, 10 Oct 70

THERAPEUTIC USE

Troxonium tosylate in drug-induced Parkinsonism: a controlled comparative study. Pecknold JC, et al.
J Clin Pharmacol 11:367-70, Sep-Oct 71
[Association of L-dopa and other therapeutic methods in treatment of parkinsonian syndromes] Mingrino S.
Sist Nerv 22:213-5, Mar-Jun 70 (Ita)

TRIIODOTHYRONINE (D8)

Activation of monkey spermatozoal adenyl cyclase by thyroxine and triiodothyronine. Castillas ER, et al.
Biochem Biophys Res Commun 40:255-62, 27 Jul 70
A soluble 3,5-dinitrotyrosine aminotransferase from rabbit liver which catalyzes the transamination of thyroid hormone. Hechtman P, et al.
Biochem Biophys Res Commun 43:1395-401, 18 Jun 71
Correlation between results of a new T-3 test and the percentage of free thyroxine in serum. Leonards JR.
Clin Chem 16:922-4, Nov 70
Thyroxine-protein interactions. VII. Effect of thyroxine analogs on the binding of 125-I-thyroxine to highly purified human thyroxine-binding globulin. Hao YL, et al. Endocrinology 88:81-92, Jan 71
Production of antibodies specifically binding triiodothyronine and thyroxine. Chopra IJ, et al.
J Clin Endocrinol Metab 32:299-308, Mar 71
Serum free thyroxine levels in newborn animals assessed by the sephadex tri-iodothyronine-binding coefficient. Siebodziński A.
J Endocrinol 50:349-50, Jun 71
Effects of fat meal, heparin, and fatty acids on the triiodothyronine uptake test. Nosslin B, et al.
Scand J Clin Lab Invest 27:87-9, Feb 71
[Histologic changes in the liver of albino rats treated with hormones and hormone synthesis-blocking agents] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 115:141-62, 1970 (Ger)

ADMINISTRATION & DOSAGE

Suppression of thyrotropin (h-TSH) in serums of patients with myxedema of varying etiology treated with thyroid hormones. Cotton GE, et al.
N Engl J Med 285:529-33, 2 Sep 71
Use of a thyroid hormone to accelerate the action of imipramine. Prange AJ Jr, et al.
Psychosomatics 11:442-4, Sep-Oct 70
[Dosage of a combined preparation of synthetic thyroxine and triiodothyronine in children] Wiebel J, et al.
Dtsch Med Wochenschr 95:2336-32, 13 Nov 70 (Ger)
[Karyometric studies on Leydig interstitial cells in the testis of albino rats following experimental alteration of the hypothalamus-hypophysis-thyroid gland system] Marzotko D, et al.
Gegenbaurs Morphol Jahrb 114:284-308, 1969 (Ger)
[Dosage of a combined preparation of synthetic triiodothyronine and thyroxine in childhood] Wiebel J, et al.
Monatsschr Kinderheilkd 118:457-60, Jul 70 (Ger)
[Simultaneous administration of L-thyroxine and L-triiodothyronine to patients with thyroid function disorders] Ramdohr B, et al.
Munch Med Wochenschr 110:2300-3, 4 Oct 68 (Ger)
[Combined substitution treatment with thyroxine and triiodothyronine?] Frey H.
Tidsskr Nor Laegeforen 91:222, 30 Jan 71 (Nor)

ADVERSE EFFECTS

[Influence of thyrotoxic recurrences on the evolution of basedowian ophthalmopathies and on the levels of immunoglobulins. Presence of a hypersensitivity to carbimazole in some ophthalmopathies] Mahaux JE, et al.
Ann Endocrinol (Paris) 32:329-37, 2 Mar-Apr 7 (Fre)

ANALYSIS

Free iodothyronines in the rat thyroid gland. Haibach H. Endocrinology 88:149-54, Jan 71
[Thyroid function tests by radioactive determination in vitro. Statistical study of 500 consecutive cases of T3 and T4 measurements] Ghys R.
Union Med Can 99:1478-84, Aug 70 (Fre)
[Thin-layer chromatography of iodinated amino acids] Goll KH, et al.
Z Gesamte Inn Med 24:Suppl:187-8, 1 Jan 69 (Ger)
[Comparison of Triosorb, T-3 and Tetrasorb T-4 and the clinical effectivity of the value of T-7] Senda H, et al.
Clin Endocrinol (Tokyo) 18:941-6, Nov 70 (Jap)

BIOSYNTHESIS

Absence of triiodothyronine formation from thyroxine during the determination of the triiodothyronine concentration of human serum. Row VV, et al.
Clin Chim Acta 31:473-6, Feb 71
The extrathyroidal conversion rate of thyroxine to triiodothyronine in normal man. Pittman CS, et al.
J Clin Invest 50:1187-96, Jun 71
Quantitation of extrathyroidal conversion of L-thyroxine to 3,5,3'-triiodo-L-thyronine in the rat. Schwartz HL, et al. J Clin Invest 50:1124-30, May 71

BLOOD

Separation and microchemical determination of serum triiodothyronine and thyroxine. Horn K, et al.
Acta Endocrinol [Suppl] (Kbh) 152:85, 1971
Separate determination of total T 3 and T 4 in serum by a semiautomatical method. Ruhi T, et al.
Acta Endocrinol [Suppl] (Kbh) 155:8, 1971
Serum thyroxine resin uptake of liothyronine I 125, and free thyroxine index. Sarin RK, et al.
Arch Intern Med 126:631-4, Oct 70
Thyroid hormone binding proteins and acute psychiatric illness. Strassman HD, et al.
Behav Neuropsychiatry 3:22-4, Apr-May 71
The effect of surgical operation on thyroid activity. Kirby R, et al. Br J Surg 58:305, Apr 71
Radio-immuno- and paper-electrophoretic analysis of 3,5,3'-L-tri-iodothyronine-binding, proteins in normal human sera. Ito KF, et al.
Clin Chim Acta 30:259-66, Nov 70
Absence of triiodothyronine formation from thyroxine during the determination of the triiodothyronine concentration of human serum. Row VV, et al.
Clin Chim Acta 31:473-6, Feb 71
Contribution of methodological artifacts to the measurement of T3 concentration in serum. Fisher DA, et al. J Clin Endocrinol Metab 32:675-9, May 71
Radioimmunoassay for triiodothyronine: A preliminary report. Gharib H, et al.
J Clin Endocrinol Metab 31:709-12, Dec 70
Radioimmunoassay for triiodothyronine (T 3): I. Affinity and specificity of the antibody for T 3 . Gharib H, et al. J Clin Endocrinol Metab 33:509-16, Sep 71
Radioimmunoassay of triiodothyronine in unextracted human serum. Mitsuma T, et al.
J Clin Endocrinol Metab 33:264-7, Aug 71
No interference from thyroxine methyl ester with T3 determination by Nauman, Nauman and Werner method. Radichevich I, et al.
J Clin Endocrinol Metab 32:350-5, Mar 71
Simple, inexpensive micro method for the estimation of T3 uptake. Walther WW.
J Clin Pathol 24:177-9, Mar 71
A radioimmunoassay for serum tri-iodothyronine. Brown BL, et al. J Endocrinol 46:1, Feb 70
The measurement of serum triiodothyronine by double column chromatography. Dussault JH, et al.
J Lab Clin Med 77:1039-50, Jun 71
Circulating triiodothyronine as identified by thin layer chromatography. Phasuk N, et al.
J Med Assoc Thai 53:762-8, Nov 70
The measurement of serum triiodothyronine by double column chromatography. Dussault JH, et al.
J Radiol Electrol Med Nucl 52:1039-50, May 71
Thyrotrophin and the T3-T4 ratio. Elewaut A, et al.
Lancet 1:1237, 12 Jun 71
Triiodothyronine. Lancet 1:898-9, 1 May 71
In-vitro thyroid tests in children. Murray IP, et al.
Med J Aust 1:77-9, 9 Jan 71
Technical aspects of the estimation of triiodothyronine in human serum: evidence of conversion of thyroxine to triiodothyronine during assay. Larsen PR.
Metabolism 20:609-24, Jun 71
The importance of circulating tri-iodothyronine. Sterling K. N Engl J Med 284:271-2, 4 Feb 71
Interpretation of serum tri-iodothyronine levels measured by the sterling technic. Wahner HW, et al.
N Engl J Med 284:235-30, 4 Feb 71
[Value of the determination of total blood thyroxine by the method of isotopic saturation and by resin uptake of triiodothyronine in daily clinical work] Jonckheer MH, et al. Acta Clin Belg 25:129-38, 1970 (Fre)
[Improvement of thyroid gland function diagnostic tests through the determination of total serum thyroxine and a free thyroxin index] Riccabona G, et al. Z Allgemeinmed 46:1483-6, 31 Oct 70 (Ger)
[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyánfy G, et al.
Z Klin Chem Klin Biochem 9:117-22, Mar 71 (Ger)
[In vitro binding of T3 with serum protein in various thyroid diseases] Shiomi K.
Folia Endocrinol Jap 47:69-83, 20 Apr 71 (Jap)
[T3 test using the Res-O-Mat] Tatsuno I, et al.
Rinsho Hoshasen 16:410-8, May 71 (Jap)
[Analysis of iodothyronine in blood--an alternative to PBI] Adamson U. Nord Med 84:1500, 19 Nov 70 (Swe)
[T-3-thyrotoxicosis] Wahlberg P.
Nord Med 85:570-1, 6 May 71 (Swe)

DIAGNOSTIC USE

In vitro R.B.C. uptake of radio-tri-iodothyronine as a useful test of thyroid function in Indian patients. I. Talukdar CK, et al. Indian J Med Res 59:578-84, Apr 71
Triiodothyronine withdrawal test--a test of thyroid-pituitary adequacy. Stein RB, et al.
J Clin Endocrinol Metab 32:127-9, Feb 71
[Diagnostic value of the early triiodothyronine suppression test in thyrotoxicosis] Wiggers S, et al.
Ugeskr Laeger 133:2067-71, 29 Oct 70 (Dan)
[Clinical diagnosis of thyrotoxicosis] Wiggers S, et al.
Ugeskr Laeger 132:2064-7, 29 Oct 70 (Dan)
[Validity of determination of stable thyroxine and of T3-resin uptake in patients contaminated with iodine] Ergo Y, et al.
Ann Endocrinol (Paris) 31:750-3, Jul-Aug 70 (Fre)
[The in vitro triiodothyronine test with Wofatit CP as a supplement to the radioiodine-2-phase study] Franke WG, et al.
Dtsch Gesundheitsw 25:2289-93, 26 Nov 70 (Ger)
[Triosorb and tetrasorb--how to read its figures] Ino S.
Jap J Clin Med 29:Suppl:552-67, Jan 71 (74 ref.) (Jap)

ISOLATION & PURIFICATION

[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyánfy G, et al.
Z Klin Chem Klin Biochem 9:117-22, Mar 71 (Ger)

METABOLISM

A source of error in the automated serum triiodothyronine-uptake test. Mardell RJ.
Clin Chem 16:951-3, Nov 70
Absorption of glucuronide conjugate of triiodothyronine. Cottle WH, et al.
Endocrinology 88:522-3, Feb 71
Formation of nondissociable hormone-protein complexes during the in vitro incubation of L-thyroxine and 3,5,3'-triiodo-L-thyronine with hepatic microsomes. Kozyreff V, et al.
Endocrinology 89:749-55, Sep 71
Biliary excretion of 3,5,3'-triiodo-L-thyronine-125-I by the brook trout, Salvelinus fontinalis (Mitchill). Eales JG, et al. Gen Comp Endocrinol 16:169-75, Apr 71
Changes in triiodothyronine kinetics produced by variations of serum thyroxine-binding globulin capacity in subjects without thyroxine. Zaninovich AA, et al. J Clin Endocrinol Metab 32:509-14, Apr 71
Studies on the uptake of 125-I-triiodo-L-thyronine and 14 C-L-thyroxine by Mexican axoloti tissues. Prahlad KV, et al. J Exp Zool 176:129-35, Feb 71
The effect of diet and acute starvation on the deiodination of thyroxine and triiodothyronine in the thyroidectomized rat. Nathanielsz PW.
J Physiol (Lond) 206:701-10, Mar 70
T3 thyrotoxicosis and the 24-hour uptake of radioactive iodine. Wiener JD. JAMA 214:1566, 23 Nov 70
Fate of perfused iodothyronines in rat thyroid. Haibach H. Metabolism 20:819-29, Sep 71
[Metabolism of triiodothyronine in hyperthyroidism and in myxedema] Zaninovich AA, et al.
Medicina (B Aires) 30:330-3, Jul-Aug 70 (Spa)

PHARMACODYNAMICS

Hormonal effects on the neural retina. I. Glutamine synthetase development in the retina and liver of the normal and triiodothyronine-treated rat. Chader GJ.
Arch Biochem Biophys 144:657-62, Jun 71
The reduction of ferricytochrome c by pyridine coenzymes mediated by thyroid hormones and related compounds. Poiacow I, et al.
Arch Biochem Biophys 139:401-5, Aug 70
Heterogeneity of rat liver mitochondrial fractions and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the effect of tri-iodothyronine on their protein turnover. Katyare SS, et al.
Biochem J 118:111-21, Jun 70
Inhibition of sorbitol oxidation by ethanol in intact rats pretreated with triiodothyronine or propyl thiouracil. Hillbom ME. Biochem Pharmacol 19:483-6, Feb 70
Effect of thyroid hormone on the biochemical maturation of rat brain: postnatal cell formation. Balázs R, et al. Brain Res 25:555-70, 5 Feb 71
Metabolic control mechanisms in mammalian systems. 8. Thyroid hormone control of alpha-glycerophosphate dehydrogenase activity in rat cerebral cortex and cerebellum. Schwark WS, et al.
Can J Physiol Pharmacol 49:598-607, Jun 71
Early stimulation of mitochondrial protein synthesis in livers from triiodothyronine-injected mice. Primack MP, et al. Endocrinology 87:1355-7, Dec 70
Effects of triiodothyronine on the cerebellar cortex of the new-born rat in tissue culture. Kiernan JA, et al.
Experientia 27:678-9, Jun 71
The acidic glycosaminoglycans in the skin of athyroid rats: the effects of L-tri-iodothyronine. Kofoed JA.
Experientia 27:702-3, Jun 71
Some effects of single doses of triiodothyronine and thyroxine in hypothyroid chicks. Rahcja KL, et al.
Gen Comp Endocrinol 16:97-104, Feb 71
Hormone-induced gene amplification in somatic cells. Koch J, et al.
Hoppe Seylers Z Physiol Chem 352:137-42, Feb 71
In vitro effect of oxygen, hydrocortisone and triiodothyronine on cells of Meckel's cartilage. Melcher AH. Isr J Med Sci 7:374-6, Mar 71
Accumulation and dissipation of heptachlor residues in fattening steers. Bovard KP, et al.
J Anim Sci 33:127-32, Jul 71
Effects of triiodothyronine, growth hormone and anabolic steroids on nitrogen excretion and oxygen consumption of obese patients. Bray GA, et al.
J Clin Endocrinol Metab 33:293-300, Aug 71
Mechanism of action of thyroid hormones on erythrocyte 2,3-diphosphoglyceric acid synthesis. Snyder LM, et al. J Clin Invest 49:1993-8, Nov 70
Effect of thyroactive materials upon plasma corticoids, pituitary prolactin, and mammary oxidative phosphorylation of lactating rats. Sinha YN, et al.
J Dairy Sci 53:1077-82, Aug 70
The effect of thyroid hormones on nuclear membrane morphology. Nicholls SE, et al.
J Endocrinol 48:58-9, Dec 70
The mechanism of the calorigenic action of thyroid hormone. Stimulation of Na plus + K plus-activated adenosinetriphosphatase activity. Ismail-Beigi F, et al. J Gen Physiol 57:710-22, Jun 71
The mechanism of endocrine influences on erythropoiesis. Peschle C, et al.
J Lab Clin Med 78:20-9, Jul 71
Synthetic thyrotropin-releasing hormone. Activity in men and women, specificity of action, inhibition by triiodothyronine, and activity orally. Bowers CY, et al.
J Med Chem 14:477-81, Jun 71
Effect of reserpine on the increase in myocardial adenyl cyclase activity produced by thyroid hormone. Klein I, et al. Proc Soc Exp Biol Med 137:366-9, May 71
Influence of triiodothyronine on selective attention in man as measured by the visual averaged evoked potential. Kopell BS, et al.
Psychosom Med 32:495-502, Sep-Oct 70
[Synthesis and biological activities of thyroxine derivatives and adrenergic drugs. XIV. Growth and hepatic RNA polymerase of the thyroidectomized rat treated chronically with thyroid hormones, and effects of adrenaline on basal metabolism] Michel R, et al. Gen Comp Endocrinol 15:303-12, Oct 70 (Fre)
[Adipokinesis induced with adrenaline and noradrenaline in normal subjects treated with triiodothyronine] Balestreri R, et al.
Arch E Maragliano Patol Clin 26:85-94, Mar-Apr 70 (Ita)
[RNA synthesis induced with triiodothyronine. II.] Gallo G, et al.
Boll Soc Ital Biol Sper 46:917-21, 30 Nov 70 (Ita)
[RNA synthesis induced with triiodothyronine. I.] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:915-7, 30 Nov 70 (Ita)
[Competition studies with preparations of nuclear RNA of the livers of normal rats and rats treated with triiodothyronine] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:925-8, 30 Nov 70 (Ita)
[Effect of triiodothyronine (T3) on the formation of DNA-RNA hybrids] Ivaldi G, et al.
Boll Soc Ital Biol Sper 46:921-4, 30 Nov 70 (Ita)

PHYSIOLOGY

A study on the erythropoiesis stimulating effect of the thyroid hormone. I. Erythropoiesis stimulating effect of D- and L-triiodothyronine. Shirakura T, et al.
Blut 21:240-3, Oct 70
[Physiological and pathophysiological significance of triiodothyronine] Inada M. Naika 28:42-7, 1971 (Jap)

SECRETION

Thyrotoxicosis. Alper PR. JAMA 214:761, 26 Oct 70

THERAPEUTIC USE

Clinical and laboratory response to different thyroid substitution medications. Schoen HC, et al.
Am J Med Sci 260:299-307, Nov 70
Combined triiodothyronine and thyroxine. Smith RN, et al. Br Med J 1:50, 2 Jan 71
Controlled clinical trial of combined triiodothyronine and thyroxine in the treatment of hypothyroidism. Smith RN, et al. Br Med J 4:145-8, 17 Oct 70
Hypolipidemic and thyroid hormone effects of sodium dextrotriiodothyronine. Danowski TS, et al.
Clin Pharmacol Ther 12:126-33, Jan-Feb 71
Therapeutic effectiveness of synthetic thyroxine-triiodothyronine mixtures. Degroot LJ, et al. Curr Ther Res 13:234-9, Apr 71
The uses of thyroxine and liothyronine.
Drug Ther Bull 8:75-6, 11 Sep 70
Myxoedema with angina pectoris treated with propranolol and triiodothyronine. Steinberg AD, et al.
Lancet 2:213, 24 Jul 71
Quantitative and qualitative effects of L-triiodothyronine in massive obesity. Hollingsworth DR, et al. Metabolism 19:934-45, Nov 70
Treatment of young cretins with triiodothyronine. Petricciani JC, et al. Metabolism 20:678-86, Jul 71
[Carbohydrate metabolism in hyperthyroidism: effect of thyreostatic therapy on oral and intravenous glucose tolerance and insulin activity] Nieschlag E, et al. Acta Endocrinol (Kbh) 67:277-87, Jun 71 (Ger)
[Therapy of thyroid gland diseases. A. Therapy of hypothyroidism and hypothyroid coma] Grebe SF, et al. Med Welt 22:906-11, 29 May 71 (Ger)
[Conservative treatment of goiter from a surgical viewpoint] Keminger K.
Wien Med Wochenschr 121:158-60, 27 Feb 71 (Ger)
[L-triiodothyronine in the prevention and therapy of arteriosclerosis] Pompei A, et al.
Arch E Maragliano Patol Clin 25:519-36, Nov-Dec 69 (Ita)
[Clinical use of triiodothyronine] Kliachko VR.
Probl Endokrinol (Mosk) 16:118-20, Jul-Aug 70 (Rus)

TRILENE see TRICHLOROETHYLENE (D2, D6)

TRIMEPRAZINE (D6)

ADVERSE EFFECTS

Spontaneous hypoglycaemia in a child treated with trimepraxine (Vallergan). Basheer SM.
J Ir Med Assoc 64:189-90, 8 Apr 71
[Extrapyramidal motoric symptoms and EEG changes following application of phenothiazine derivatives] Schiefer I. Arch Kinderheilkd 183:163-70, Jul 71 (Ger)

TRIMETHADIONE see under ANTICONVULSANTS (D6)

TRIMETHAPHAN (D5)

[Controlled hypotension with trimethaphan in plastic and otologic surgery] Pôrto AJ, et al.
Rev Bras Anestesiol 20:462-8, Oct-Dec 70 (Por)

ADMINISTRATION & DOSAGE

[Hypotensive response to sodium nitroprusside and trimethaphan canfosulfonate (experimental study)] Manzin E, et al.
Acta Anaesthesiol (Padova) 21:323-38, May-Jun 70 (Ita)

DIAGNOSTIC USE

[Induced hypotension test in the study of nephrovascular hypertension. Comparison of renographic findings with separate renal function tests] Sampietro G, et al.
Nunt Radiol 34:1689-95, Dec 68 (Ita)

PHARMACODYNAMICS

[Prognostic value of the Arfonad hypotension test in nephrovascular hypertension] Faraglia V, et al.
Minerva Chir 26:760-3, 31 Jul 71 (Ita)
[Changes in the myocardial contractile function under the effects of the ganglionic blockader arfonad against a background of endotracheal nitrous oxide anesthesia] Treshchinskiĭ AI, et al.
Vestn Khir 105:93-7, Oct 70 (Rus)

THERAPEUTIC USE

Reduction of portal hypertension by ganglionic blockade. Cincotti J, et al.
Am J Dig Dis 16:517-21, Jun 71
Hypertensive emergencies and their management. Moukheibir N. J Med Liban 23:219-22, 1970
Hypoxaemia during cardiopulmonary bypass. Muir AL, et al. Thorax 26:443-8, Jul 71
[Ballistocardiography in the evaluation of pulmonary circulation and changes in the ballistocardiogram with the use of ganglionic blockaders in pulmonary tuberculosis] Kidanova ZS, et al.
Grudn Khir 13:96-100, Jan-Feb 71 (Rus)

TRIMETHOBENZAMIDE (D6)

PHARMACODYNAMICS

Structure-activity studies of new potential depressants 3,4,5-trimethoxybenzamides II. Luts HA.
J Pharm Sci 60:1409-11, Sep 71

TRIMETON see PHENIRAMINE (D6)

TRIMIPRAMINE see under DIBENZAZEPINES (D2)

TRINITROTOLUENE (D2)

POISONING

[Trinitrotoluene (TNT) cataract in miners, its diagnosis and prevention] Logan IM, et al.
Oftalmol Zh 25:579-84, 1970 (Rus)
[Prevention of chronic trinitrotoluene poisoning] Pen'kov MA. Oftalmol Zh 25:573-6, 1970 (Rus)

TRIOLEIN (D11)

DIAGNOSTIC USE

[Significance of fat absorption tests using 131-I-labeled lipids] Wagner A, et al.
Med Klin 66:431-9, 19 Mar 71 (Ger)
[The radiotriolein test: verifications and considerations on the significance and reliability of the use of radiohalogenated triglycerides in the study of intestinal absorption of fats] Riccardi A, et al.
Radiol Med (Torino) 55:345-60, Apr 69 (Ita)

METABOLISM

Fasting in obese females. 3. Absorption tests (xylose, triolein, oleic acid) and cholecystography. Verdy M.
Am J Clin Nutr 23:1033-6, Aug 70
Effect of cholecystojejunostomy, Roux-Y, on intestinal absorption of labelled fat, labelled protein and Xylose. Shin CS, et al.
Bull Soc Int Chir 29:21-7, Jan-Feb 70
Intestinal absorption of 131-I-labeled triolein in various diseases. Magas S, et al. Pol Med J 10:36-41, 1971
[Digestion and absorption of lipids before and after the action of digestive ferments and biliary salts in cholecystectomized patients] Rosenberg D, et al.
Rev Assoc Med Bras 16:289-72, Aug 70 (Por)

PHARMACODYNAMICS

Effects of glyceryl trioleate on the reticuloendothelial system and survival after experimental shock. Altura BM, et al. J Pharmacol Exp Ther 175:555-64, Dec 70

TRIOSEPHOSPHATE DEHYDROGENASE see GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (D9)

TRIOSES (D11)

Haloacetol phosphates. Characterization of the active site of rabbit muscle triose phosphate isomerase. Hartman FC. Biochemistry 10:146-54, 5 Jan 71

CHEMICAL SYNTHESIS

Synthesis and characterization of 1-O-alkyldihydroxyacetone phosphates and derivatives. Piantadosi C, et al.
Biochemistry 10:1417-21, 13 Apr 71
Dermophilic insect repellents with perdurable efficacy. Quintana RP, et al.
J Pharm Sci 59:1503-5, Oct 70

METABOLISM

Acyl dihydroxyacetone phosphate: precursor of alkyl ethers. Hajra AK.
Biochem Biophys Res Commun 39:1037-44, 1970
Dietary regulation of phosphatidic acid synthesis from dihydroxyacetone phosphate and fatty acid by rat liver microsomes. Rao GA, et al. Lipids 6:88-92, Feb 71
The acyl dihydroxyacetone phosphate pathway for glycerolipid biosynthesis in mouse liver and Ehrlich ascites tumor cells. Agranoff BW, et al.
Proc Natl Acad Sci USA 68:411-5, Feb 71

PHARMACODYNAMICS

Mosquito-repellent dihydroxyacetone monoesters. Quintana RP, et al. J Econ Entomol 63:1128-31, Aug 70

THERAPEUTIC USE

[On the use of di-hydroxyacetone after cranial surgery

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in the prevention of cerebral edema] Torelli L, et al. Minerva Neurochir 13:89-91, 1969 (Ita)

TRIPARANOL (D11)

PHARMACODYNAMICS

Phenobarbital-induced proliferation of smooth endoplasmic reticulum after administration of triparanol. Loker E, et al. Anat Rec 168:221-32, Oct 70
The mechanism of introduction of alkyl groups at C-24 of sterols. IV. Inhibition by triparanol. Malhotra HC, et al. J Biol Chem 246:4934-7, Aug 71
Retardation of peripheral nerve myelination in mice treated with inhibitors of cholesterol biosynthesis. A quantitative electron microscopic study. Rawlins FA, et al. J Cell Biol 47:505-17, Sep 70
Inhibition of yeast multiplication by hypocholesteremic compounds and its annulment by lipids. Aaronson S.
Proc Soc Exp Biol Med 136:61-3, Jan 71
Combined effect of triparanol and human chorionic gonadotrophin on the ultrastructure of the adult leydig cell. Russo J.
Z Zellforsch Mikrosk Anat 113:249-58, 1971

TOXICITY

[Experimental investigations on the liver-cell "toxicity" of triparanol] Otto HF.
Beitr Pathol 142:177-93, Feb 71 (Ger)

TRIPELENNAMINE (D6)

ANALYSIS

Determination of pyribenzamine (tripelennamine) residues in bovine milk. Luders RC, et al.
J Agric Food Chem 18:1153-5, Nov-Dec 70

PHARMACODYNAMICS

[Influence of vitamin A on experimental gastric ulcer in rats] Monacelli R, et al.
Pathologica 61:387-95, Nov-Dec 69 (Ita)

THERAPEUTIC USE

From gnats to cold sores. Vanamee P.
JAMA 211:830, 2 Feb 70

TOXICITY

Pulmonary angiothrombosis caused by "blue velvet" addiction. Szwed JJ. Ann Intern Med 73:771-4, Nov 70

TRIPHOSPHOPYRIDINE NUCLEOTIDE see NADP

(D9)

TRIPLE SYMPTOM COMPLEX see BEHCET'S

SYNDROME (C4, C11, C12)

TRIPLETS (G1, M)

The frequency and the character of malformations in multiple births. Onyskowovú Z, et al.
Acta Univ Carol [Med] (Praha) 16:333-76, 1970
Placentation and zygosity of triplets and higher multiple births in Ibadan, Nigeria. Nylander PP, et al.
Ann Hum Genet 34:417-26, May 71
The incidence of triplets and higher multiple births in some rural and urban populations in Western Nigeria. Nylander PP. Ann Hum Genet 34:409-15, May 71
Comparisons of craniofacial features in monozygous and dizygous triplets. Meneses DM, et al.
Dent Pract Dent Rec 21:103-6, Nov 70
Finger print patterns in an unselected series of triplets. Herrlin KM, et al. Hum Hered 20:336-55, 1970
[Urticaria pigmentosa and familial hyper-beta-lipoproteinemia in uniovular triplets] Lemmens H, et al.
Arch Belg Dermatol Syphiligr 26:409-14, Jul-Sep 70 (Fre)
[Postpartum amenorrhea-galactorrhea treated with neo-pergonal. Triple pregnancy] Ribon M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:340-4, Jun-Aug 70 (Fre)
[The triplets studied at the Istituto Provinciale Infanzia of Ferrara] Ortolani M, et al.
Minerva Pediatr 22:1022-8, 19 May 70 (Ita)

TRISACCHARIDES see under OLIGOSACCHARIDES

(D11)

TRISMUS (C10)

ETIOLOGY

Pseudoankylosis of the mandible after a fracture of the zygomaticomaxillary complex: report of case. Warson RW. J Oral Surg 29:223-4, Mar 71

[Jaw contracture after typhoid osteomyelitis] Muška K, et al. Cesk Stomatol 71:110-3, Mar 71 (Cze)
[Contraction of the jaws in acute inflammatory diseases of the maxillofacial] Voroshnin PA.
Stomatologiia (Mosk) 49:82-3, Nov-Dec 70 (Rus)

TRISOMY (G1)

Clinical picture of two newborns with trisomy D. Jaworska M, et al. Acta Chir Plast (Praha) 13:1-6, 1971
A dysplastic girl with an inherited partial C trisomy. Haeffler G, et al.
Acta Obstet Gynecol Scand 49:311-4, 1970
Trisomy 18 with ovarian dysgenesis. Alexiou D, et al.
Acta Paediatr Scand 60:93-7, Jan 71
Alkalinephosphatase activity in leukocytes of patients with trisomy G-normal mosaicism. Sachs ES, et al.
Am J Clin Pathol 54:699-706, Nov 70
Down's syndrome with XYY: 48,XYY, G+. al-Aish MS, et al. Am J Dis Child 121:444-6, May 71
Familial neuroblastoma and trisomy 13. Feingold M, et al. Am J Dis Child 121:451, May 71
Trisomy 18 (Edwards' syndrome). Picture of the month. Gellis SS, et al.
Am J Dis Child 122:149-50, Aug 71
Chromosomal variability in the D1 trisomy syndrome. Three cases and review of the literature. Taylor MB, et al. Am J Dis Child 120:374-81, Oct 70 (92 ref.)
Immunoelectrophoretic serum patterns associated with mothers of children affected with the G1-trisomy syndrome (Down's syndrome). Kerkay J, et al.
Am J Ment Defic 75:729-32, May 71
Secondary nondisjunction causing regular trisomy 21 in the offspring of a mosaic trisomy 21 mother. Krmpotic E, et al. Am J Obstet Gynecol 110:589-90, 15 Jun 71
Patau's syndrome with D 1 duplication-deficiency derived from a maternal D group pericentric inversion. Parrington JM, et al.
Ann Hum Genet 35:35-45, Jul 71
Peripheral neuropathy in Cockayne's syndrome. Moosa A, et al. Arch Dis Child 45:674-7, Oct 70
Middle and inner ear abnormalities. 13-15 (D 1) trisomy. Black FO, et al.
Arch Otolaryngol 93:615-9, Jun 71
Another XYY case in a prison population. Joneja MG, et al. Can Med Assoc J 104:424-5, 6 Mar 71
Trisomy E-trisomy G mosaicism. A report of two cases. Bodensteiner JB, et al.
Helv Paediatr Acta 26:63-70, Apr 71
Presumed trisomy for the short arm of chromosome No. 9 not due to inherited translocation. Hoehn H, et al.
Humangenetik 12:175-81, 1971
Elevated galactokinase activity in blood cells of patients with G-trisomy: a belated correction. Krone W, et al. Humangenetik 11:81-2, 1970
A case of trisomy 18 mosaicism with peculiar features. Pavone L, et al. Humangenetik 11:29-34, 1970
A further example of familial Gp+ associated with trisomy G. Subrt I. Humangenetik 9:86-90, 1970
Trisomy 18 (Edwards syndrome) with congenital facial palsy and laryngeal asymmetry. Mandal BN.
J Ir Med Assoc 64:17-9, 7 Jan 71
New human double trisomy or tetrasomy. Dhadial RK.
J Med Genet 7:75-6, Mar 70
Trisomy 18 syndrome in Chinese infants. Clinical findings and incidence. Emanuel I, et al.
J Med Genet 7:138-41, Jun 70
Familial occurrence of a small, supernumerary metacentric chromosome in phenotypically normal women. Ridler MA, et al. J Med Genet 7:148-52, Jun 70
Trisomy E (18) syndrome: clinical spectrum in 12 new cases, including chromosome autoradiography in 4. Weber FM, et al. J Med Genet 7:363-6, Dec 70
Trisomy 13 syndrome in Chinese infants. Clinical findings and incidence. Yu FC, et al.
J Med Genet 7:132-7, Jun 70
Cockayne's syndrome: case report. Crome L, et al.
J Neurol Neurosurg Psychiatry 34:171-8, Apr 71
Partial F trisomy associated with familial F-13 translocation detected and identified by parental chromosome studies. Carrel RE, et al.
J Pediatr 78:664-72, Apr 71
The question of trisomy 22 syndrome. Goodman RM, et al. J Pediatr 79:174-5, Jul 71
Trisomy 22: a clinical entity. Hsu LY, et al.
J Pediatr 79:12-9, Jul 71
Pycnodysostosis: a case report of a child with associated trisomy X. Lacey SH, et al.
J Pediatr 77:1033-8, Dec 70
The thumb in trisomy-18. Johnson CF.
JAMA 215:489, 18 Jan 71
Trisomy 18. Anderson NG, et al. Lancet 2:1065, 21 Nov 70
Trisomy 18. Cohen MM. Lancet 1:1017, 15 May 71
Trisomy 18. Ebbin AJ, et al. Lancet 1:77-8, 9 Jan 71
Hydroxylysinuria in association with trisomy 21. Goodman SI, et al. Lancet 2:1141-2, 28 Nov 70
Antenatal detection of partial C (6-12) trisomy. Kersey JH, et al. Lancet 1:702-3, 3 Apr 71
Trisomy 18. Shapiro LR. Lancet 2:1035, 14 Nov 70
Distinguishing between the chromosomes involved in Down's syndrome (trisomy 21) and cronic myeloid leukaemia (Ph1) by fluorescence. O'Riordan ML, et al.
Nature (Lond) 230:167-8, 19 Mar 71
Susceptibility of trisomic and of triploid human fibroblasts to simian virus 40 (SV40). Payne FE, et al.
Nature [New Biol] 230:190, 7 Apr 71
Nursing care of babies with cleft lip and palate. 3. Trisomy of the 13-15 chromosome group (Patau's syndrome--trisomy D1). Wood BG, et al.
Nurs Times 66:1459-61, 12 Nov 70
Trisomy-21 in mother and child. Report of a case. Friedman JM, et al. Obstet Gynecol 36:731-4, Nov 70
Trisomy-D in cyclops. A case report. Halbrecht I, et al.
Obstet Gynecol 37:391-3, Mar 71
Genetic counseling. Secondary nondisjunction in partial trisomy 13. Krmpotic E, et al.
Obstet Gynecol 37:381-90, Mar 71
Variability of facial and dental characteristics in trisomy G. Cohen MM.
South Med J 64:Suppl1:51-5, Feb 71
Combined trisomy-18 and congenital rubella. Richardson DL, et al.
South Med J 64:923 passim, Aug 71
Trisomy associated with diagnostic X-rays. Uchida IA.
South Med J 64:Suppl1:81-4, Feb 71
Chromosomal abnormalities of the E group and surgical anomalies in neonates. Grosfeld JL, et al.
Surgery 69:451-5, Mar 71
The pathology and incidence of the D & E trisomies in Jamaica. Thorburn MJ.
West Indian Med J 19:130-40, Sep 70
The pathology and incidence of the D & E trisomies in Jamaica. Thorburn MJ.
Wien Med Wochenschr 120:130-40, 2 May 70
Cockayne's syndrome. Report of a case with normal intelligence. Lanning M, et al.
Z Kinderheilkd 109:70-5, 1970
[Hypophyseal hypothyroidism in a patient with trisomy-X] Lormans-Lauwers S, et al.
Maandschr Kindergeneeskd 38:161-81, Sep 70 (Dut)
[Trisomy 21 and abnormality of structure of the Y] Baheux G, et al.
Ann Genet (Paris) 13:191-4, Sep 70 (Fre)
[Trisomy 21 and metacentric Y] Berger R, et al.
Ann Genet (Paris) 13:187-9, Sep 70 (Fre)
[4 cases of trisomy for the short arm of chromosome 9. Individualization of a new morbid entity] Rethoré MO, et al. Ann Genet (Paris) 13:217-32, Dec 70 (Fre)
[On XYY chromosome triplet. Its importance in psychiatry. Apropos of a case] Boucharlat J, et al.
Ann Med Psychol (Paris) 1:793-7, May 69 (Fre)
[On XYY chromosome triplet. Its importance in psychiatry. Apropos of a case] Boucharlat J, et al.
Ann Med Psychol (Paris) 127:793-7, May 69 (Fre)
[Ocular manifestations of trisomy D1. Clinical and histopathological study] François J, et al.
Ann Ocul (Paris) 203:873-914, Oct 70 (Fre)
[Small supernumerary metacentric chromosome in a sister of a child with trisomy 21] Walbaum R.
Ann Pediatr (Paris) 18:455-63, Jun-Jul 71 (Fre)
[Trisomy of group C (47, XX, C+)] Emberger JM, et al.
Arch Fr Pediatr 27:1081-8, 1970 (Fre)
[Autosomal chromosome aberrations] Serville F, et al.
Bord Med 4:1373-416, May 71 (Fre)
[Hand dermatoglyphics in mongolic trisomy] Olivier G.
Bull Acad Natl Med (Paris) 153:304-8, 14 May 69 (Fre)
[Polymalformation syndrome caused by 13 then 21 trisomy in 2 children of the same sibship] Colette C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:224-5, Apr-May 70 (Fre)
[Apropos of trisomy 13] Thomas C, et al.
Bull Mem Soc Fr Ophtalmol 82:22-8, 1969 (Fre)
[Further histopathologic observation of trisomy 13-15] François J, et al.
Bull Soc Belge Ophtalmol 153:687-95, Nov 69 (Fre)
[Age distribution of 715 mothers having had an early spontaneous abortion] Lazar P, et al.
C R Acad Sci [D] (Paris) 272:2852-5, 2 Jun 71 (Fre)
[A research model in some cases of mental deficiency] Lejeune J.
C R Acad Sci [D] (Paris) 271:2068-9, 30 Nov 70 (Fre)
[A case of Friedreich's disease with numerical mosaicism: normal cells--trisomic cells of the E (16-18) type] Vapcarov I, et al.
Folia Med (Plovdiv) 12:213-8, 1970 (Fre)
[Small metacentric supernumerary in a case of multiple malformations] Noël B, et al.
J Genet Hum 18:45-55, May 70 (Fre)
[Clinical, mitotic and meiotic study of a trisomy 21 with diabetes in a 52 year old man] Giraud F, et al.
Mars Med 108:31-41, 1971 (Fre)
[Free trisomy concerning a little acrocentric chromosome in a non-mongoloid female patient. Trisomy 22 or partial trisomy D?] Malpuech G, et al.
Pediatrie 25:901-10, Dec 70 (Fre)
[Radiocephalometric study of subjects presenting trisomy 21] Biehler-Giral G.
Rev Neuropsychiatr Infant 17:683-7, Sep-Oct 69 (Fre)
[Trisomy 21 and neoplastic potentialities] Kissel P, et al. Rev Otoneuroophtalmol 41:255-9, Jul-Aug 69 (Fre)
[Renal cortex micronodules of blastematous aspect in young children] Levert G, et al.
Union Med Can 99:1822-4, Oct 70 (Fre)
[The Cockayne syndrome--a form of dwarfism with increased excretion of growth hormone] Bender SW, et al. Acta Endocrinol [Suppl] (Kbh) 152:9, 1971 (Ger)
[Bilateral upper and lower eyelid ectropion with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

blepharodiastasis and corneal ulcer in G trisomy and questionable mongolism] Jacobi KW, et al. Ber Dtsch Ophthalmol Ges 70:634-9, 1970 (Ger)
[X-trisomy in cattle with signs of familial disposition for meiotic disturbances] Rieck GW, et al. Cytogenetics 9:401-9, 1970 (Ger)
[Trisomy D2 in a 2 and one-half year old girl (47,XX,14+)] Murken JD, et al. Humangenetik 10:254-68, 1970 (Ger)
[Trisomy 17-18 or E-trisomy] Sauer O. Kinderaerztl Prax 38:213-8, May 70 (Ger)
[De novo translocation of C-E in clinically atypical E-trisomy syndrome-mosaic: 46,X XX-46, XX, E+, C-t (Cq-; Ep+)] Hansen J. Klin Wochenschr 48:1183-92, 1 Oct 70 (Ger)
[Partial trisomy E18 (E18 q--) due to a balanced translocation D-E in the mother] Gleissner M, et al. Monatsschr Kinderheilkd 118:441-4, Jul 70 (Ger)
[Cytogenetics of the Waldenstrom syndrome] Gött E, et al. Wien Klin Wochenschr 82:143-5, 20 Feb 70 (Ger)
[Malformation syndromes caused by autosomal trisomies: Patau's syndrome and Edwards' syndrome] Rott HD, et al. Z Allgemeinmed 46:1679-93, 10 Dec 70 (Ger)
[Mosaic Down's syndrome] Grosse KP, et al. Z Kinderheilkd 110:332-46, 1971 (Ger)
[Partial trisonomy C9 in a case of balanced maternal B4-C9 translocation] Rott HD, et al. Z Kinderheilkd 109:293-9, 1971 (Ger)
[Trisomy-21 with deficiency of erythrocyte-phosphofructokinase] Schwarzmeier J, et al. Z Kinderheilkd 108:325-30, 1970 (Ger)
[Patau's syndrome and diabetes insipidus occultus hyperelectrolytaemicus] Korányi G, et al. Orv Hetil 111:2418-24, 11 Oct 70 (Hun)
[Phenotype and karyologic aspects of Edwards' syndrome (case report)] Piazzi G, et al. Clin Pediatr (Bologna) 51:117-30, Mar 69 (Ita)
[Trisomy 18 (anatomo-clinical study of a case)] Crucioli V, et al. Folia Hered Pathol (Milano) 18:9-14, Jan 69 (Ita)
[Patau's syndrome] Battaglino G. Fracastoro 62:539-41, Sep-Oct 69 (Ita)
[Plurimalformative syndrome in trisomy 18] Orlandi P, et al. Fracastoro 63:81-7, Jan-Feb 70 (Ita)
[Data on a case of trisomy 18] Bergonzi F, et al. Minerva Pediatr 23:497-9, 17 Mar 71 (Ita)
[Trisomy 21 associated with gonosomic mongolism] Duilio MT, et al. Minerva Pediatr 21:2196-201, 24 Nov 69 (Ita)
A case of multiple malformations due to trisomy 18 with mosaic chromosome pattern](HON WITH BRONCHOASTHMATIC VACCINE] Spirito L, et al. Minerva Pediatr 21:690-3, 21 Apr 69 (Ita)
[A case of trisomy 18. Clinical, anatomopathological and cytogenetical study] Westermann Vimercati P, et al. Minerva Pediatr 23:618-22, 7 Apr 71 (Ita)
[D trisomy. 2 cases with characteristic phenotype] Giovannucci ML, et al. Riv Clin Pediatr 82:320-9, Oct-Dec 69 (Ita)
[Weakening of anti-A and anti-B with karyotype abnormality associated with multiple myeloma] Ghidini O, et al. Riv Emoter Immunoematol 16:101-12, 1969 (Ita)
[Trisomy 18 in 2 newborn infants with rare abnormalities in one of them] Bruni L, et al. Riv Ostet Ginecol 24:60-73, Feb 69 (Ita)
[XYY syndrome and behavior disorders] Guaraldi GP, et al. Riv Sper Freniatr 94:1572-9, 3 Dec 70 (Ita)
[Trisomy G without features of Down's syndrome] Jończyk K, et al. Pediatr Pol 45:1373-7, Nov 70 (Pol)
[Trisomy syndrome D (47, XY, D+) in a newborn] Majlert T, et al. Pediatr Pol 45:1379-82, Nov 70 (Pol)
[Case of blast crisis in chronic myeloleukemia with di- and trisomy Ph-chromosome] Korenevskaia MI, et al. Probl Gematol Pereliv Krovi 15:51-3, Oct 70 (Rus)
[Down's syndrome and chromosomal mosaicism] Morić-Petrović S, et al. Srp Arh Celok Lek 98:65-74, Jan 70 (Ser)
[A case of Patau's syndrome with trisomy 13. Comments on its occurrence] Castilla E, et al. Arch Argent Pediatr 68:69-73, 1970 (Spa)
[A case of Edwards' syndrome with normal karyotype] Salgado L, et al. Arch Argent Pediatr 68:65-8, 1970 (Spa)
[Edwards' trisomy (E syndrome). Report of a case] Ceron Esquivel A, et al. Prensa Med Mex 35:356-8, Sep-Oct 70 (Spa)

TRITIUM (D1)

The influence of beta-radiation of tritium on the excitation and ion content of the striated muscle. Egyed E, et al. Acta Biochim Biophys Acad Sci Hung 5:333-9, 1970
Perfusion heterogeneity in skeletal muscle using tritiated water. Paradise NF, et al. Am J Physiol 220:1107-15, Apr 71
An improved method for counting tritium and carbon-14 in acrylamide gels. Basch RS. Anal Biochem 26:184-8, 10 Oct 68
Liquid scintillation counting of (3H) and (14C) on solid supports: a warning. Bransome ED Jr, et al. Anal Biochem 38:401-8, Dec 70
Liquid scintillation counting of C14 and H3 samples on filter paper. Chakravarti A, et al. Anal Biochem 40:484-7, Apr 71
Simultaneous liquid scintillation determination of tritium and sulfur-35 in biological low-level samples using the oxygen flask method. Roncucci R, et al. Anal Biochem 26:118-36, 10 Oct 68
An improved procedure for H-3 and C-14 counting in acrylamide gels with a nonaqueous scintillation system. Spear PG, et al. Anal Biochem 26:197-200, 10 Oct 68
In vitro synthesis of phi-X-174 single-stranded DNA. Linney EA, et al. Biochem Biophys Res Commun 41:669-74, 9 Nov 70
Effects of hydrogen-isotope labelling on steroid metabolism. Brodie HJ, et al. Biochem J 120:667-9, Dec 70
Effect of conformation on isotopic exchange in synthetic polypeptides. Miller WG. Biochemistry 9:4921-30, 8 Dec 70
Hydrogen isotope exchange of insulin. A comparison of methods. Ronca G, et al. C R Trav Lab Carlsberg 38:59-66, 1970
A superior counting solution for water-soluble tritiated compounds. Carter GW, et al. Clin Chem 17:576-80, Jul 71
Osteogenesis by radioisotope labelled cell populations in implants of bone matrix under the influence of ionizing radiation. Craven PL, et al. Clin Orthop 76:231-3, May 71
Cell population kinetics of bone growth: the first ten years of autoradiographic studies with tritiated thymidine. Kember NF. Clin Orthop 76:213-30, May 71 (71 ref.)
Hazards of tritium from controlled fusion. Rose DJ. Health Phys 18:439-40, Apr 70
Radiological protection in the luminising industry. Vennart J. Health Phys 19:835-6, Dec 70
The preparation of tritium-labeled Fab antibody fragments. Zaitlin M. Immunochemistry 8:569-73, Jun 71
Polyethoxylated nonionic surfactants in toluene for liquid scintillation counting of tritium in aqueous samples. Lupica SB. Int J Appl Radiat Isot 21:487-90, Aug 70
Preparation of tritiated thyrotropin releasing hormone (TRH) by the Wilzbach method. Redding TW, et al. Int J Appl Radiat Isot 21:742-4, Dec 70
Toxicity of tritiated thymidine in P388F lymphoma cells. II. Effects of DNA molecular weight. Peterson AR, et al. Int J Radiat Biol 19:237-46, 1971
A new method of labeling human chorionic gonadotropin for physiologic studies. Vaitukaitis J, et al. J Clin Endocrinol Metab 32:290-3, Feb 71
Tritium-labelled Araldite as an internal standard for quantitative autoradiography using the electron microscope. Flitney FW. J Microsc 90:151-6, 1969
Effects of disintegration of incorporated 3H and 32P on the physical and biological properties of DNA. Rosenthal PN, et al. J Mol Biol 54:441-63, 28 Dec 70
Is double-labeling with two levels of 3H-thymidine a reliable method for evaluating mitotic parameters? Galand P, et al. J Nucl Biol Med 13:87-93, Jul-Sep 69
Tritium: some effects of continuous exposure in utero on mammalian development. Cahill DF, et al. Radiat Res 44:727-37, Dec 70
Ecology and radiation exposure of kangaroo rats living in a tritiated environment. Hatch FT, et al. Radiat Res 44:97-107, Oct 70
A radiation effect from low doses of tritiated thymidine or x-rays. Payne JT, et al. Radiat Res 47:123-42, Jul 71
Early and late effects of tritiated thymidine upon the replication of splenic lymphocytes. Post J, et al. Radiat Res 45:335-48, Feb 71
Section thickness and grain count variation in tritium autoradiography. Caviness VS Jr, et al. Stain Technol 46:131-5, May 71
Autoradiographic differentiation of free, bou, pure, and impure thymidine-3H. Diab IM, et al. Stain Technol 45:285-91, Nov 70
Active principles of croton oil. X. Preparation of tritium labeled croton oil factor A1 and other tritium labeled phorbol derivatives. Kreibich G, et al. Z Krebsforsch 74:448-56, 1970
[On the degassing at low temperature of titanium targets impregnated with hydrogen isotopes] Germai G, et al. Int J Appl Radiat Isot 21:595-8, Oct 70 (Fre)
[Cell kinetics in lymph nodes. I. Determination of deoxyribonucleic acid synthesis time in patients with chronic lymphatic leukemia by means of double labeling with 3H-thymidine and 14C-thymidine in vivo] Tsirimbas AD, et al. Klin Wochenschr 48:923-9, 1 Aug 70 (Ger)
[Selective irradiation of bacteria by means of tritium] Giacomello G, et al. Ric Sci 38:389-95, Apr 68 (Ita)
[Recent progress in quantitative analysis of steroid hormones. Double isotope methods: corticoids] Katsushima I, et al. Jap J Clin Med 29:1073-81, Mar 71 (Jap)
[Determination of ootal body water in rabbits following exposure to high environmental temperature using tritium as a tag] Guseva LA, et al. Biull Eksp Biol Med 68:45-7, Aug 69 (Rus)
[Relative biological effectiveness of tritium oxide] Moskalev IuI, et al. Gig Sanit 35:43-8, Sep 70 (Rus)
[Preparation of H3-deoxyadenosine, H3-adenosine and H3-adenosine-3',5'-cyclophosphate by the H-3-20 proton exchange method] Fedorov NA, et al. Vopr Med Khim 16:441-3, Jul-Aug 70 (Rus)
[Inhibiting action of tritiated thymidine on the differentiation of rat myoblasts in culture] Levis AG, et al. Riv Biol 63:369-93 passim, Jul-Dec 70 (Mul)

ADMINISTRATION & DOSAGE

[Distribution of pyrocatechol-3,4,5,6-3H4 and 3-(3,4-dihydroxyphenyl)-alanine-2,5,6-3H3 in tissues of mice with Garding-Passy melanoma after single and fractional injections] Vdovenko VM, et al. Vopr Onkol 16:67-74, 1970 (Rus)

ANALYSIS

An improved toluene-base scintillator for estimating radioactivity in aqueous samples. Shamoo AE. Anal Biochem 39:311-8, Feb 71
A computer method for analysis of radioactivity data from single and double labeled experiments. Yund MA, et al. Biochem Biophys Res Commun 43:717-22, 21 May 71
Tentative method of analysis for tritium content of the atmosphere. Health Lab Sci 8:107-10, Apr 71
Radiological hazards of tritium activated luminous devices. Knapton JD, et al. Health Phys 20:345-9, Mar 71
Determination of tritium in microgram tissue samples: distribution of exogenous 3H-cholesterol in the rat adrenal cortex. Parvinen M, et al. J Histochem Cytochem 19:46-50, Jan 71
Tritium in streams in the United States, 1961-1968. Wyerman TA, et al. Radiol Health Data Rep 11:421-30, Sep 70
Tritium in surface water network January-June 1970. Radiol Health Data Rep 11:638-9, Nov 70
Tritium surveillance system, July-December 1970. Radiol Health Data Rep 12:272-8, May 71
Carbon-14 and tritium in total diet and milk January 1969-June 1970. Radiol Health Data Rep 12:42-4, Jan 71
[3H]adenosine triphosphate: release during stimulation of enteric nerves. Su C, et al. Science 173:336-8, 23 Jul 71
[A completely automatic sample combustion device for the technic of measuring H-3 and C-14 in the liquid scintillation spectrometer] Hülsen W. Experientia 26:1406-7, 15 Dec 70 (Ger)

METABOLISM

In vitro uptake of tritium from uridine-5-H3 into RNA (and DNA) in normal and murine leukemia virus infected mouse embryo tissue. Albach RA, et al. Can J Microbiol 16:1095-9, Nov 70
Competitive inhibition of 3 H-thymidine incorporation into DNA. Benes L. Folia Biol (Praha) 17:182-8, 1971

THERAPEUTIC USE

Radiotoxicity of intranuclear tritium, 125 iodine and 131 iodine. Hofer KG, et al. Radiat Res 47:94-101, Jul 71

URINE

Rapid urine assay for tritium. Wetterau LW, et al. Health Phys 19:449, Sep 70
[Tritium control in humans] Haschke J. Arch Hyg Bakteriol 154:138-42, Oct 70 (Ger)

TRITONS see under SURFACE-ACTIVE AGENTS

(D13)

TROCHLEAR NERVE (A8)

Missed diagnosis of a case of trochlear paralysis. Van Senus AH. Ophthalmologica 162:242-3, 1971
[Tabetic Parinaud's syndrome] Dereux J, et al. J Sci Med Lille 88:173-6, Mar 70 (Fre)
[Parinaud's syndrome, a symptom of post-traumatic vertebral stenosis] Picard L, et al. Rev Otoneuroophtalmol 41:426-32, Dec 69 (Fre)
[On a case of Parinaud's syndrome after pneumoencephalography] Cappelli L, et al. Boll Ocul 48:118-34, Feb 69 (Ita)

ANALYSIS

[Ultrastructural localization of acetylcholinesterase activity in unmyelinated nerve fibers of oculomotor, trochlear and abducens nerve trunks in cat and rat. II. Studies on the trochlear and abducens nerve trunks] Tanishima T. Acta Soc Ophthalmol Jap 75:708-18, 20 Jan 71 (Jap)

ANATOMY & HISTOLOGY

[Comparative study of some encephalic motor nuclei in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

neo-tropical Chiroptera. 3. Oculo-motor nuclei] Baron G. Rev Can Biol 29:233-51, Sep 70 (Fre)

PATHOLOGY

Acquired lesions of the fourth cranial nerve. Burger LJ, et al. Brain 93:567-74, 1970

[Parinaud's syndrome and internuclear ophthalmoplegia in a case of space-occupying basilar aneurysm] Rad M von, et al. Z Neurol 199:319-31, 1971 (Ger)

PHYSIOLOGY

The activity of single trochlear nerve fibers during eye movements in the alert monkey. Fuchs AF, et al. Exp Brain Res 13:78-89, 28 Jul 71

TROGLOTREMA see under TREMATODA (B1)

TROMBICULIASIS see under MITE INFESTATIONS (C1)

TROMETHAMINE (D13)

A manual and automated procedure for measuring serum cholinesterase activity and identifying enzyme variants. Differentiation by means of Tris and phosphate buffers. Garry PJ. Clin Chem 17:192-8, Mar 71

ADMINISTRATION & DOSAGE

[Use of THAM in vascular surgery. Intra-operative administration for the correction of acidosis following "clamping" of the abdominal aorta] Trazzi R, et al. Minerva Cardioangiol 18:563-75, Oct 70 (Ita)

BIOSYNTHESIS

Phosphorylation of tris(hydroxymethyl)aminomethane by human erythrocytes. Henderson RJ Jr, et al. Arch Biochem Biophys 139:311-9, Aug 70

METABOLISM

The uptake of 14C-THAM in various rat tissues. Gross GJ, et al. Arch Int Pharmacodyn Ther 190:267-77, Apr 71

Relationship between passive permeability to nonelectrolytes and active transport activity in the isolated intestinal wall. Faelli A, et al. Experientia 27:852-3, Jun 71

PHARMACODYNAMICS

Tris-(hydroxymethyl) aminomethane as an activator of acetylcholinesterase. Jensen-Holm J. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:55, 1970

Effect of Tris-buffer infused into the renal artery of dogs. Châtel R, et al. Acta Physiol Acad Sci Hung 37:237-44, 1970

Changes in fetal acid-base chemistries following tromethamine (THAM) or bicarbonate infusions into fetal circulation or amniotic fluid. Seeds AE, et al. Am J Obstet Gynecol 108:1245-50, 15 Dec 70

Angiographic appearance of the canine kidney in acute hemorrhagic shock--modification by saline infusion, THAM infusion, and reinfusion of blood. Meng CH, et al. Am J Roentgenol Radium Ther Nucl Med 111:716-28, Apr 71

Mechanism of action of tris (hydroxymethyl) aminomethane on the negative inotropic effect of carbon dioxide. Gonzalez NC, et al. Circ Res 28:74-83, Jan 71

Selective release of proteins from Spirillum itersonii by tris (hydroxymethyl) aminomethane and ethylenediaminetetraacetate. Garrard WT. J Bacteriol 105:93-100, Jan 71

The effect of magnesium ions and Tris buffer on the uptake of cetyl trimethyl ammonium bromide by Escherichia coli. Ilalt WG, et al. J Pharm Pharmacol 23:767-73, Oct 70

The effect of tris(hydroxymethyl) aminomethane on the potassium content and the membrane potential of liver cells. Lambotte L, et al. J Pharmacol Exp Ther 176:434-40, Feb 71

Tissue buffering capacity: its role in the prevention of isoproterenol induced necrosis. Souhrada J, et al. Life Sci [I] 10:559-64, 15 May 71

Effect of tri-hydroxymethyl-aminomethane (Tris) on insulin secretion in vitro. Broeckaert I. Metabolism 19:1011-3, Dec 70

[Effects of Tris (tri-hydroxymethyl-aminomethane) on blood sugar and glucide assimilation in dogs] Broeckaert Y, et al. C R Soc Biol (Paris) 164:1423-5, 1970 (Fre)

[Mechanisms of hepatic potassium loss induced by THAM] Lambotte L, et al. J Physiol (Paris) 63:Suppl 2:288, 1970 (Fre)

[The use of THAM and oreiprenaline in the treatment of asphyxia neonatorum in dogs] Cosmi EV, et al. Acta Anaesthesiol (Padova) 21:515-23, Sep-Oct 70 (Ita)

[Effects of NaHCO3 and THAM on coronary circulation and cardiac mechanical efficiency of the dog] Yusa T, et al. Jap J Anesthesiol 19:1370-7, Nov 70 (Jap)

THERAPEUTIC USE

Therapy of bicarbonate-losing renal tubular acidosis. Donckerwolcke RA, et al. Arch Dis Child 45:774-9, Dec 70

Preferential cerebral hypothermia. Tromethamine and dextran 40 and tolerance to circulatory arrest of 90 to 120 minutes. Bacaizo LV Jr, et al. Arch Surg 103:393-7, Sep 71

[Use of T.H.A.M. in diabetic keto-acidosis] Fabre S, et al. Bull Soc Med Afr Noire Lang Fr 15:169-74, 1970 (Fre)

[Buffer drugs in the treatment of acute metabolic acidosis] Marcel GA, et al. Presse Med 79:1-2, 2 Jan 71 (Fre)

[Clinical treatment of hyperpyretic toxicosis with THAM] Kellner R, et al. Kinderaerztl Prax 37:59-65, Feb 69 (Ger)

[Respiratory acidosis: therapeutic findings] Gigli G. Arch Tisiol Mal Appar Resp 24:339-46, May 69 (Ita)

[The use of sodium bicarbonate and of THAM in neonatal asphyxia syndromes] La Cauza C, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1134-40, 1968 (Ita)

[Use of tris-hydroxy-methyl-amino methane in acid-base changes in resuscitation] Malizia E, et al. Clin Ter 53:405-29, 15 Jun 70 (Ita)

[Electrocardiographic tracing in decompensated renal acidosis. Effects of treatment with THAM] Todesco S, et al. G Clin Med 50:143-56, Feb 69 (Ita)

[Alkalinizing therapy with THAM in the premature newborn] Moretti M, et al. Minerva Pediatr 21:2072-7, 3 Nov 69 (Ita)

[Alkaline therapy in the asphyctic syndrome of the newborn] Dettori M, et al. Riv Clin Pediatr 81:1285-91, Nov-Dec 68 (Ita)

[Use of THAM in compensating acidosis in children] Zahączkowski J. Przegl Lek 27:453-6, 28 Jun 71 (Pol)

[Comparative evaluation of sodium bicarbonate and THAM in surgery with extracorporeal circulation] Egorov VM. Grudn Khir 13:37-42, Jan-Feb 71 (Rus)

[1st experiences with the use of a new liver protector in liver diseases] Gómez Ponsa JM. Rev Esp Enferm Apar Dig 32:593-600, 1 Nov 70 (Spa)

URINE

[THAM-elimination in premature infants] Kellner R. Dtsch Gesundheitsw 26:361-4, 18 Feb 71 (Ger)

TROMEXAN see ETHYL BISCOUMACETATE (D7)

TROPANES (D2)

[Chemistry of tropane derivatives. 5. N-oxides isomers of tropin] Werner G, et al. Justus Liebigs Ann Chem 745:65-9, Apr 71 (Ger)

ADMINISTRATION & DOSAGE

[Peridural and intraarticular application of Bl-neurischian in orthopedics] Wagensonner D. Med Welt 22:1044-6, 30 May 70 (Ger)

ADVERSE EFFECTS

[Changes in human chromosomes caused by some drugs] Vrba M. Cesk Oftalmol 27:134-9, May 71 (Cze)

[Secondary effects of atropine and tropanes and their possible substitutes in ophthalmology] Sucs S. Arch Belg Med Soc 25:381-5, Jun 67 (Fre)

ANALYSIS

Quantitative analysis of tropane alkaloids in pharmaceutical preparations. Bican-Fišter T. J Chromatogr 55:417-21, 3 Mar 71

Colorimetric determination of atropine, homatropine, scopolamine, and their derivatives by the ferric hydroxamate method. Feldman JA, et al. J Pharm Sci 59:1646-7, Nov 70

Determination of individual tropa-alkaloids in Belladonnae herba, Belladonnae radix and extractum belladonnae. Kessel JF van. Pharm Weekbl 105:1293-314, 6 Nov 70

Gas chromatography of tropane alkaloids. Achari R, et al. Planta Med 19:241-8, Feb 71

[Extraction-photometric determination of tropazine and cocaine hydrochloride] Oleshko GI, et al. Farmatsiia 20:36-8, Mar-Apr 71 (Rus)

BIOSYNTHESIS

Effect of gamma radiation on the synthesis of scopoletin and scopolin in grapefruit peel in relation to radiation damage. Riov J, et al. Radiat Res 45:326-34, Feb 71

CHEMICAL SYNTHESIS

Preparation and characterization of the tropic acid esters of tropan-3-beta-ol, granatan-3-alpha-ol and granatan-3-beta-ol. Hunt RJ, et al. J Pharm Pharmacol Suppl:29S+, Dec 70

ISOLATION & PURIFICATION

Reaction thin-layer chromatography: the reduction of tropinone. Polesuk J, et al. J Chromatogr 57:315-8, 6 May 71

METABOLISM

Choroid plexus uptake of atropine and methylatropine. Winbladh B. Acta Pharmacol Toxicol [Suppl] (Kbh) 28:91, 1970

Autoradiographic studies on the distribution of drugs. I. Distribution of 14C-anisotropine methbromide in mice. Shindo H, et al. Chem Pharm Bull (Tokyo) 19:513-22, Mar 71

PHARMACODYNAMICS

Effects of belladonna alkaloids on vestibular nucleus of the cat. Jaju BP, et al. Am J Physiol 219:1248-55, Nov 70

Comparison of the pharmacological properties of deptropine, its methobromide--BS 7020a--and the 10,11-dehydro analogues. Timmerman H, et al. Arch Int Pharmacodyn Ther 187:291-300, Oct 70

Human pharmacology of phentonium, a new autonomic drug. Azzolini F, et al. Curr Ther Res 12:734-54, Nov 70

Pharmacology of a new anti-parkinsonian drug: KAO-264. Kojima M, et al. Jap J Pharmacol 21:276-9, Apr 71

Blockade in simultaneously perfused soleus and gastrocnemius muscles in the cat. Friess SL, et al. Toxicol Appl Pharmacol 18:133-40, Jan 71

[Psychiatry and immunology: contribution to experimental study of the immunodepressive effect of a corrector of extrapyramidal syndromes induced by neuroleptics: ethybenzatropine] Borenstein P, et al. Ann Med Psychol (Paris) 1:424-30, Mar 71 (Fre)

[Antagonistic effect of mydriatics and miotics on the resistance to aqueous outflow] Makabe R. Ber Dtsch Ophthalmol Ges 70:554-6, 1970 (Ger)

[Pharmacological properties of methylscopolammonium methylsulfate] Kasahara A, et al. Folia Pharmacol Jap 67:100-24, Jan 71 (Jap)

[Inhibitory activities of several atropine-like drugs on the contraction of the digestive system and urinary bladder induced by the parasympathetic nerve stimulation in the dog] Kumada S, et al. Folia Pharmacol Jap 66:600-5, 20 Sep 70 (Jap)

THERAPEUTIC USE

The effect of 2:2-diphenyl-4-N-hexamethyleniminо-butyramide methiodide on experimental chronic ulcer in glandular stomach of rats. Hisamatsu T, et al. Jap J Pharmacol 21:139-54, Apr 71

[Clinical experimentation with a new anti-vertigo and anti-nausea drug: R.306] Bossut Y, et al. Lille Med Suppl 6:1353+, Nov 70 (Fre)

[Evaluation report on spasmo-urgenin. A new urospasmolytic] Schöll H, et al. Med Welt 12:471-3, 20 Mar 71 (Ger)

[Therapy of diarrhea in calves] Markiewicz K. Monatsh Vet Med 25:252-3, 1 Apr 70 (Ger)

[Results of Spasmo-gallo-sanol treatment in 50 patients] Basarab A. Praxis 60:890-2, Jun 71 (Ger)

[Treatment of micturition disorders. Experiences with Spasmo-Urgenin] Rusch G. Praxis 59:130-1, 27 Jan 70 (Ger)

[Practical hints on the neural therapy with neurischian] Priessnitz O. Z Allgemeinmed 47:79-82, 20 Jan 71 (Ger)

[Anisotropine methylbromide (Valpin) in the treatment of spasms of the gastrointestinal system. Biometric study] Giovannelli CA, et al. Minerva Med 61:5943-51, 22 Dec 70 (Ita)

[On the association of hematropine methylbromide and magnesium gluconate] Resen Clin Cient 36:285-8, Nov-Dec 67 (Por)

TROPHOBLAST (A10)

Clinical and histopathological studies of trophoblastic growth. Mitani Y, et al. Acta Obstet Gynaecol Jap 17:245-9, Oct 70

[Cytological architecture of the placental trophoblast explanted in tissue culture] Hoja S, et al. Biologia (Bratisl) 25:853-6, 1970 (Ger)

[Polyploidy in trophoblastic chromosomal pathology] De Cecco L, et al. Minerva Ginecol 22:996-8, 31 Oct 70 (Ita)

[Transformation of human chorionic cell by SV40 and its transplantation into the hamster uterus] Hori Y. J Jap Obstet Gynecol Soc 23:173-81, Mar 71 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

A cytophotometric study of nuclear DNA content of cyto-and syncytiotrophoblast in trophoblastic disease. Goldfarb S, et al. Cancer 27:83-92, Jan 71
Immunofluorescent localisation of chorionic gonadotrophin in the placenta and in tissue cultures of human trophoblast. Fox H, et al. J Pathol 101:277-82, Jul 70
Increased levels of deoxyribonucleic acid during trophoblast giant-cell formation in mice. Hunt CV, et al. J Reprod Fertil 25:85-91, Apr 71

ANATOMY & HISTOLOGY

[Ultrastructure of human placental villis in the 2d half of pregnancy] Tedde G. Arch Ital Anat Embriol 75:101-31, 1970 (Ita)

CYTOLOGY

Ultrastructure of the deciduotrophoblastic interface of the mouse placenta. Martinek JJ. Am J Obstet Gynecol 109:424-31, 1 Feb 71
Mitotic activity in the syncytiotrophoblast of the human chorionic villi. Moe N. Am J Obstet Gynecol 110:431, 1 Jun 71
Direct contribution of the cytotrophoblast to the syncytiotrophoblast in the diffuse labyrinthine endotheliochorial placenta of the bat. Stephens RJ, et al. Anat Rec 169:243-52, Feb 71
Fine structure of nuclear bodies in the human trophoblast. Vacek Z. Folia Morphol (Praha) 18:335-46 passim, 1970
Junctional complexes in the trophoblast of the human full term placenta. Cavicchia JC. J Anat 108:339-46, Feb 71
Regional specializations in the syncytial trophoblast of early human placentas. Dempsey EW, et al. J Anat 108:545-61, Apr 71
The trophoblastic knobs of the preimplanted rabbit blastocyst: a light and electron microscopic study. Steer HW. J Anat 107:315-25, Sep 70
Implantation of the rabbit blastocyst: the adhesive phase of implantation. Steer HW. J Anat 109:215-27, Jul 71
Immunohistological and elution studies of the human placenta. McCormick JN, et al. J Exp Med 133:1-18, 1 Jan 71
Morphological changes of the trophoblast surface at implantation in the mouse. Bergström S, et al. J Reprod Fertil 23:339-40, Nov 70
In vitro support system for the study of blastocyst differentiation in the mouse. Jenkinson EJ, et al. Nature (Lond) 228:776-8, 21 Nov 70
Immunofluorescent localization of chorionic gonadotrophin in monolayer cultures of human trophoblast cells. Loke YW, et al. Nature (Lond) 228:561-2, 7 Nov 70
[Electron microscopic observations on the barriers between mother and embryos in pregnant rats of days 7-10] Merker HJ, et al. Z Anat Entwicklungsgesch 131:325-46, 1970 (Ger)
[Characteristics of polyploidization of trophoblast cells] Zybina EV. Tsitologiia 12:1061-94, Sep 70 (Rus)

DRUG EFFECTS

Effects of hormones, methotrexate, and dactinomycin on benign trophoblast. Koide Y, et al. Am J Obstet Gynecol 109:453-6, 1 Feb 71
Effect of chemotherapeutic agents on trophoblast. Weinberg PC. Am J Obstet Gynecol 110:1149, 15 Aug 71
Effect of cycloheximide and actinomycin D on the mouse blastocyst undergoing the giant cell transformation. Unger B, et al. J Anat 108:519-25, Apr 71
[Morphological and functional changes in the early human trophoblast under the action of intensive tre tment by ACTH, cortisone or testosterone] Badarau L, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:309-10, 1968 (Fre)
[Common necrotizing effect of ovarian and adrenocortical steroids on the rat placental trophoblast diminished of annihilated by injection of antagonist pairs of the same hormones] Badarau L, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:311-2, 1968 (Fre)
[Antiproliferative and necrosing action of adrenocortical and ovarian steroids on the invasive trophoblast of the placenta of the female rat] Badarau L, et al. Rev Fr Gynecol Obstet 63:95-113, Mar 68 (Fre)
[The modalities of necrosis of the invading trophoblast under the influence of androgenic hormones in a case of chorioadenoma destruens with metastases and a case of chorioepithelioma treated with testosterone] Badarau L, et al. Rev Fr Gynecol Obstet 66:275-82, Apr 71 (Fre)

GROWTH & DEVELOPMENT

Virus assisted fusion of embryonic cells. Graham CF. Acta Endocrinol [Suppl] (Kbh) 153:154-67, 1971
Propagation and hormone production by human normal and malignant trophoblast in rats. I. Normal trophoblast from term human placentas in Millipore diffusion chambers. Kurz L. Am J Obstet Gynecol 109:1049-57, 1 Apr 71
Mouse blastocysts grown in vivo and in vitro: carbon dioxide production and trophoblast outgrowth. Menke TM, et al. J Reprod Fertil 23:117-27, Oct 70
[Differentiation of the trophoblast during in vitro development of the mouse embryo] Hernandez-Verdun D, et al. J Embryol Exp Morphol 25:175-87, Apr 71 (Fre)
[Morphogenesis of the villous trophoblast of the human placenta--a contribution to the syncytium problem] Kemnitz P. Zdrav Prac 113:71-6, 1970 (Ger)

IMMUNOLOGY

In vitro antigenicity of trophoblast. Douthwaite RM, et al. Am J Obstet Gynecol 109:1023-8, 1 Apr 71
Are lymphocytotoxic iso-antibodies induced by the early human trophoblast? Van der Werf AJ. Lancet 1:595, 20 Mar 71
Failure of neuraminidase to unmask histocompatibility antigens on trophoblast. Simmons RL, et al. Nature [New Biol] 231:111-2, 26 May 71
[Trophoblast-like immunological reactions of the organism] Rošen A. Ginekol Pol 41:1237-42, Nov 70 (Pol)

METABOLISM

Influence of ions, inhibitors and anoxia on transtrophoblast potential of rabbit blastocyst. Cross MH, et al. Exp Cell Res 62:303-9, Oct 70
[Characteristics of the trophoblastic wandering cell in the so-called syncytial endometritis--autoradiographic and electromicroscopic study] Okudaira Y, et al. J Jap Obstet Gynecol Soc 23:29-37, Jan 71 (Jap)

PATHOLOGY

Electron microscopic and biochemical patterns of the normal and malignant trophoblast. Garancis JC, et al. Am J Obstet Gynecol 106:1257-68, 15 Dec 70
The ultrastructure of molar trophoblast. Fox H, et al. J Obstet Gynaecol Br Commonw 78:652-9, Jul 71
The effect of hypoxia on human trophoblast in organ culture. Fox H, et al. J Pathol 101:Pv, Aug 70
[Proliferation of the trophoblast and its relation to arterial hypertension in pregnancy toxemia] Alvarez H. Gynecol Obstet (Paris) 69:Suppl 5:581-8, 1970 (Fre)

PHYSIOLOGY

[Diurnal rhythm in the mitotic activity of Langhans' cells and various cytologic features of the trophoblast of the human chorion] Brusilovskiĭ AI. Biull Eksp Biol Med 71:95-7, Mar 71 (Rus)

SECRETION

[Initial hormone production in the trophoblast and embryo] Kaiser R, et al. Zentralbl Gynaekol 92:1097-9, 22 Aug 70 (Ger)

TRANSPLANTATION

Examination of xenogenous transplants of the human trophoblast. Czubak E. Folia Biol (Krakow) 18:361-76, 1970
Sex difference in trophoblast behaviour on transplantation. Boriand R, et al. Nature (Lond) 228:572, 7 Nov 70

TROPHOBLASTIC TUMOR (C2)

Trophoblastic disease: natural history, diagnosis, and treatment. Li MC. Ann Intern Med 74:102-12, Jan 71 (74 ref.)
[Apropos of a case of splenic and pulmonary trophoblastic localization] Merlier M, et al. Chirurgie 97:314-21, 1971 (Fre)
[Clinical aspects of trophoblastic tumors] Dapunt O. Zentralbl Gynaekol 92:1401-14, 24 Oct 70 (Ger)

BLOOD

Serum placental lactogen activity in patients with molar pregnancy and trophoblastic tumors--a reliable index of malignancy. Goldstein DP. Am J Obstet Gynecol 110:583-7, 15 Jun 71
[Radioimmunoassay of human chorionic gonadotropin--dynamics of human chorionic gonadotropin in chorionic diseases and pregnancy] Kato H. J Jap Obstet Gynecol Soc 22:1317-26, Dec 70 (Jap)

COMPLICATIONS

[Choriocarcinoma and trophoblastic disease] Revaz C, et al. Rev Med Suisse Romande 89:565-87, Jun 69 (Fre)
[Co-occurrence of cervix carcinoma and chorioepithelioma] Kaltenbach FJ, et al. Zentralbl Gynaekol 92:1417-22, 24 Oct 70 (Ger)

DIAGNOSIS

The diagnosis of trophoblastic tumours from uterine curettings. Elston CW. J Pathol 101:Pv, Aug 70
Abortions and unrecognized trophoblastic disease. DeCherney AH, et al. N Engl J Med 285:407-8, 12 Aug 71

DRUG THERAPY

Actinomycin D in the treatment of methotrexate-resistant malignant trophoblastic tumours. Ma HK, et al. J Obstet Gynaecol Br Commonw 78:166-71, Feb 71
[Treatment of trophoblastic tumors with methotrexate] Carcassonne Y, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:275-8, Jun-Aug 69 (Fre)
[Trophoblastomas: their surveillance and treatment with methotrexate, actinomycin D and folinic acid] Keller B, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:113-5, Jan-Mar 71 (Fre)
[4 cases of trophoblastic disease treated by methotrexate] Mahon R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:420-4, Sep-Oct 69 (Fre)
[Two cases of metastatic trophoblastic disease] Koman T, et al. Harefuah 78:598-9, 15 Jun 70 (Heb)

FAMILIAL & GENETIC

ABO blood-groups in trophoblastic neoplasia. Seppälä M. Lancet 1:1020, 15 May 71

IMMUNOLOGY

Histocompatibility studies in patients with trophoblastic tumors. Rudolph RH, et al. Am J Obstet Gynecol 108:1126-9, 1 Dec 70

METABOLISM

Metabolic changes in women with trophoblastic disease and with intrauterine fetal death compared with metabolic changes during normal pregnancy. Samaan NA, et al. J Clin Endocrinol Metab 33:521-9, Sep 71

OCCURRENCE

[Trophoblastic disease in the San Juan de Dios Hospital. Cúcuta, Colombia] Duarte-Contreras A, et al. Ginecol Obstet Mex 28:545-55, Nov 70 (Spa)
[Trophoblastic disease in the Hospital San Juan de Dios, Cúcuta] Duarte-Contreras A, et al. Rev Colomb Obstet Ginecol 21:587-96, Nov-Dec 70 (Spa)

PATHOLOGY

Clinical and histopathological studies of trophoblastic growth. Mitani Y, et al. Acta Obstet Gynaecol Jap 17:245-9, Oct 70
Trophoblast and its tumours in Ceylonese women. (A study of 431 cases). Cooray GH. Ceylon Med J 15:65-79, Jun 70
Trophoblastic disease. A correlative ultrastructural and biochemical study. Merkow LP, et al. Obstet Gynecol 37:348-57, Mar 71

RADIOGRAPHY

Angiography of trophoblastic tumors. A correlation of pelvic angiography with direct four-fold magnification angiography of uterine specimens. Takahashi M, et al. Am J Roentgenol Radium Ther Nucl Med 112:779-87, Aug 71
Pelvic arteriography after chemotherapy of malignant trophoblastic disease. A case for caution. Boronow RC. Obstet Gynecol 38:675-9, Nov 70
Pelvic arteriography in trophoblastic disease. Golding PR, et al. Proc R Soc Med 64:399-400, Apr 71

SURGERY

Post-operative follow-up study of trophoblastic tumors using radioimmunoassay for HCG and LH. Chen T. Acta Obstet Gynaecol Jap 18:13-8, Jan 71
Orchiectomy for trophoblastic tumors. Bornstein RS, et al. N Engl J Med 285:293-4, 29 Jul 71

THERAPY

[Regarding some new possibilities of treatment in trophoblastic diseases. Report of our cases] Mirkov K. Akush Ginekol (Sofiia) 9:229-34, 1970 (Bul)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TROPICAL CLIMATE (G3)

Comparative aspects of leishmaniases pathology in tropical, sub-tropical and temperate regions. Azevedo JF de, et al.
An Esc Nacl Saude Publica Med Trop (Lisb) 3:137-50, Jan-Dec 69
Nutritional and environmental studies on an ocean-going oil tanker. 2. Heat acclimatization and nutrient balances. Collins KJ, et al.
Br J Ind Med 28:346-58, Jul 71
Ascorbic acid status of Europeans resident in the tropics. Hindson TC. Br J Nutr 24:801-2, Sep 70
The reproductive performance of British breeds of sheep in an equatorial environment. II. Lowland breeds. Beaty T, et al. Br Vet J 127:10-9, Jan 71
The reproductive performance of British breeds of sheep in an equatorial environment. I. Mountain breeds. Beaty T, et al. Br Vet J 127:1-9, Jan 71
Containers for tissue bank products for use in tropical countries. Klen R, et al.
Bull Inst Mar Med Gdansk 21:211-4, 1970
Tolerance times of high wet bulb temperatures by acclimatised and unacclimatised men. Wyndham CH, et al. Environ Res 3:339-52, Nov 70
Pemphigus in tropics. Singh RP.
Indian J Dermatol 15:69-73, Apr 70
Comparison of various physical and integrated indices as measures of environmental heat stress. Mehta NR, et al. Indian J Med Res 58:1117-24, Sep 70
Self-feeding salt-supplement to grazing steers under tropical conditions. Chicco CF, et al.
J Anim Sci 33:142-6, Jul 71
Environmental physiology in the sub-tropics. I. Effect of continuous environmental stress on some hematological values of beef cattle. Gutierrez JH, et al. J Anim Sci 32:968-73, May 71
Animal breeding in the tropics of Latin America. Stonáker HH. J Anim Sci 33:1-6, Jul 71
Reduced thyroid activity in Jamaicans. Harland WA, et al. J Endocrinol 49:537-44, Mar 71
Factors affecting the limitation of the cultivation of grain legumes in tropical territories. Stanton WR.
Proc Nutr Soc 29:57-64, May 70
[Behavior of heart and blood circulation in the tropics] Mohr W, et al. Internist (Berlin) 2:272-6, Jul 71 (Ger)
[The growth of population and its significance for the tropics and tropical medicine] Schinzel A.
Munch Med Wochenschr 113:1067-73, 30 Jul 71 (Ger)
[Studies on working capacity and total metabolic rate of man performing industrial and traditional tasks i a tropicl climate. II. Discussion and results] Haas J.
Z Tropenmed Parasitol 21:446-58, Dec 70 (Ger)
[Studies on human physical capability and gross energy transfer during industrial and traditional work in tropical climate] Haas J.
Z Tropenmed Parasitol 21:267-306, Sep 70 (Ger)
[Study of the stability of ointments under tropical climate] Szepesy A.
Acta Pharm Hung 41:110-7, 1971 (Hun)
[Measles in tropical Africa] Krupińska-Sanecka I.
Pediatr Pol 45:1363-6, Nov 70 (Pol)
[Effect of phenazoline on hand hyperhidrosis in sailors in tropical climate] Modrzejewski J, et al.
Przegl Dermatol 57:775-8, Nov-Dec 70 (Pol)
[Effect of phenazoline on the circulatory system in seamen in tropical climate] Modrzejewski J.
Wiad Lek 23:1457-61, 1 Sep 70 (Pol)
[Peculiarities of clinical manifestations in late pregnancy toxemias] Zakirov IZ, et al.
Akush Ginekol (Mosk) 46:21-4, Jul 70 (Rus)
[Stability of the pesticide aldrin in a hot climate] Atabaev ShT, et al. Gig Sanit 35:108-9, Apr 70 (Rus)
[Features of surgery in hydrocele of the testicular membrane in a hot climate] Ivanov LS, et al.
Khirurgiia (Mosk) 46:103-5, Oct 70 (Rus)
[Changes in certain indices of red blood cells in sailors during a long tropical cruise] Brusentsev KI.
Sov Med 33:56-8, Dec 70 (Rus)
[Electrophoretic analysis of the blood serum proteins of Europeans in hot climates and with tropical diseases] Sytinskiĭ IA, et al.
Vestn Leningr Univ [Biol] 4:162-5, 1968 (Rus)
[State of the cardiovascular system during swimming in low latitudes] Nikitinskiĭ IuB, et al.
Voen Med Zh 1:68-9, Jan 71 (Rus)

TROPICAL MEDICINE (G2)

Recovery of small-intestinal structure and function after residence in the tropics. I. Studies in Peace Corps volunteers. Lindenbaum J, et al.
Ann Intern Med 74:218-22, Feb 71
Renal failure in the tropics. Hutt MS, et al.
Br Med Bull 27:123-7, May 71 (47 ref.)
United States Naval Medical Research Units in Africa. Woodruff AW. Br Med J 1:551-2, 6 Mar 71
Exotic disease. Br Med J 3:1-2, 3 Jul 71
The practice of medicine in the Bush Country of Ghana. Long ME. Calif Med 115:102-4, Jul 71
Importation of exotic diseases into The Netherlands. Huisman J, et al. Folia Med Neerl 14:1-3, 1971
Factors exacerbating shoc in the tropics. Farman JV.
Int Anesthesiol Clin 7:969-85, Winter 69 (20 ref.)
Host-parasite relationship and tissue response in tropical and parasitic diseases. Lenczner MM.
Int J Dermatol 10:90-100, Apr-Jun 71
Nutritional considerations for Americans living in the tropics. Brown RC.
J Am Coll Health Assoc 19:79-82, Dec 70
Medical manpower for occupational health in the tropics--professional staff: needs and training. Bennett FJ. J Trop Med Hyg 73:325-35, Dec 70
Significance of very high erythrocyte sedimentation rates (100 mm or above in one hour) in 360 cases in Singapore. Cheah JS, et al.
J Trop Med Hyg 74:28-30, Jan 71
Review of the opportunities for co-operative work. 3. Research--applied and operational. Colbourne MJ.
J Trop Med Hyg 73:368-70, Dec 70
Medical manpower for occupational health in the tropics. 2. The auxiliary--his role and training. King M.
J Trop Med Hyg 73:336-46, Dec 70
Temperature correction for erythrocyte sedimentation rate in tropics. Saha N, et al.
J Trop Med Hyg 74:26-7, Jan 71
Burkitt's lymphoma and tropical splenomegaly syndrome. Ziegler JL, et al. Lancet 2:317, 7 Aug 71
Tropical Doctor. Lancet 2:1123-4, 28 Nov 70
"Tropical doctor". Med J Aust 1:417-8, 20 Feb 71
Pyomyositis--tropical and nontropical. Geelhoed GW, et al. N Engl J Med 284:853-4, 15 Apr 71
Tropical diarrhea in Vietnam--a controlled study of cholestyramine therapy. McCloy RM, et al.
N Engl J Med 284:139-40, 21 Jan 71
Tropical pyomyositis. N Engl J Med 284:676, 25 Mar 71
4 to 1 against. Nature (Lond) 231:345, 11 Jun 71
Here from the tropics: management of recently arrived patients. Rowland HA. Nurs Times 66:1481-3, 19 Nov 70
Tropical pathology by post: a Fijian experience. Penman HG. NZ Med J 73:83-5, Feb 71
The geographical distribution of endomyocardial fibrosis. Shaper AG.
Pathol Microbiol (Basel) 35:26-35, 1970
Trivalent oral polio vaccine: disappointing results. Ghosh S. Pediatrics 47:632-3, Mar 71
Advice to campers in the Tropics. Knight R.
Practitioner 206:524-5, Apr 71
Imported disease. Maegraith B.
Practitioner 206:816-9, Jun 71
Exotic diseases and the traveller. Weller WA.
Practitioner 206:815-6, Jun 71
Tropical disease and general medicine. Wright FJ.
Scott Med J 16:209-15, Apr 71 (17 ref.)
Correlation of erythrocyte sedimentation rate with serum composition in the tropics. Saha N, et al.
Trop Geogr Med 23:30-4, Mar 71
[Problems of asepsis in the operating theatre in the tropics] Chmel K. Roshl Chir 50:72-4, Feb 71 (Cse)
[Obstetrics and gynaecology in the tropics] Ehrström C. Ugeskr Laeger 133:1003-10, 21 May 71 (Dan)
[Tropical medicine problems in the light of a study tour to France] Horstmann P.
Ugeskr Laeger 132:2104-6, 29 Oct 70 (Dan)
[Tropical diseases] Pettersson T.
Duodecim 87:348-54, 1971 (Fin)
[Tropical disease brought by travelers and immigrants] Janssens PG. Brux Med 50:361-9, May 70 (Fre)
[Tropical phlebitis (phlebitis due to perivenous lymphangitis)] Carayon A, et al.
Bull Soc Med Afr Noire Lang Fr 15:567-77, 1970 (Fre)
[Special aspects of marginal corneal ulcers in Africa] Diallo J, et al.
Bull Soc Med Afr Noire Lang Fr 16:68-72, 1971 (Fre)
[Tropical zoonoses: introduction; definitions] Blanc F, et al. Bull Soc Pathol Exot 62:176-92, 1969 (Fre)
[Tropical viral zoonoses] Brès P, et al.
Bull Soc Pathol Exot 62:192-9, 1969 (Fre)
[Tropical neorickettsial and rickettsial zoonoses] Giroud P, et al.
Bull Soc Pathol Exot 62:295-303, 1969 (Fre)
[The morbidity of middle Europeans in the subtropical climate of the Near East] Kupferschmidt HG, et al.
Dtsch Gesundheitsw 26:704-7, 8 Apr 71 (Ger)
[Tropical fitness examinations] Kupferschmidt HG, et al. Dtsch Gesundheitsw 25:1929-34, 8 Oct 70 (Ger)
[Analysis and evaluation of 10-year work at an outpatient center for vaccination of persons travelling abroad, in an industrial district]
Zimmermann B von, et al.
Dtsch Gesundheitsw 26:1229-33, 24 Jun 71 (Ger)
[Significance of growing air travel on the import of tropicel diseases] Mohr W.
Hefte Unfallheilkd 107:202-9, 1970 (Ger)
[Tropical diseases in insurance and compensation] Mohr W. Hefte Unfallheilkd 99:321-30, 1969 (Ger)
[The role of tropical medicine and tropical hygiene in the construction of the health system in tropical developing countries] Diesfeld HJ.
Med Klin 65:1847-51, 16 Oct 70 (Ger)
[Prevention and treatment of intestinal infections in subtropical countries] Marget W.
Med Klin 65:1267-8, 26 Jun 70 (Ger)
[Patient material at a radiologic department in Western Africa] Schertel L.
Med Klin 66:652-7, 23 Apr 71 (Ger)
[Once and now: tropical medicine and its tasks] Krampitz HE.
Munch Med Wochenschr 112:1923-32, 23 Oct 70 (Ger)
[Tropical medicine and ubiquitous diseases] Schopp W.
Munch Med Wochenschr 112:1929-32, 23 Oct 70 (Ger)
[Before and after a tropical trip] Meyer HE.
Praxis 60:355-68, 23 Mar 71 (Ger)
[Spondylitis in tropical diseases] Mohr W.
Verh Dtsch Ges Rheumatol 1:70-80, 1969 (Ger)
[Importance of tropical hygiene studies in the moderate climate] Wiedermann G, et al.
Wien Klin Wochenschr 80:603-8, 2 Aug 68 (Ger)
[Problems and experiences in tropical medicine in the DDR, presented from the Rostock material] Ziegler K.
Z Gesamte Inn Med 24:Suppl:67-71, 1 Jan 69 (Ger)
[Industrial health care for personnel working in the tropics] Walter H.
Z Tropenmed Parasitol 22:107-20, Jun 71 (Ger)
[Tropical pathology and cosmopolitan pathology] Cannavò L.
Resen Clin Cient 38:57-63, Mar-Apr 69 (Por)
[Electrophoretic analysis of the blood serum proteins of Europeans in hot climates and with tropical diseases] Sytinskiĭ IA, et al.
Vestn Leningr Univ [Biol] 4:162-5, 1968 (Rus)

EDUCATION

Postgraduate teaching and training tropical medicine in Czechoslovakia. Sery V.
Bull Inst Mar Med Gdansk 21:229-31, 1970
[Instruction for medical work in the developing countries] Korn J.
Ugeskr Laeger 132:1848-50, 24 Sep 70 (Dan)
[Tropical medicine in Thailand] Hohwü-Christensen K.
Lakartidningen 68:1306-7, 17 Mar 71 (Swe)
[Views on the report of military service and foreign aid education] Bengtsson E.
Nord Med 86:852-3, 15 Jul 71 (Swe)
[What we young doctors would like to do] Nilsson-Ehle P. Nord Med 86:848-51, 15 Jul 71 (Swe)

HISTORY

Ten years in retrospect. Popkin G.
Int J Dermatol 10:87-9, Apr-Jun 71
Darling Foundation Award. (Bruce-Chwatt LJ), (Corradetti A), WHO Chron 25:302-6, Jul 71
[Marcel Vaucel (1894-1969)] (Vaucel M), Blanc F.
Bull Soc Pathol Exot 64:6-12, Jan-Feb 71 (Fre)
[The life and work of P. L. Simond (1858-1947)] (Simond PL), Voelckel J.
Med Trop (Mars) 29:429-41, Jul-Aug 69 (Fre)
[50 years' work of the E.I. Martsinovskiĭ Institute of Medical Parasitology and Tropical Medicine of the USSR Ministry of Public Health]
Med Parazitol (Mosk) 40:3-9, Jan-Feb 71 (Rus)

TROPOCOLLAGEN see under COLLAGEN (D10)

TROUT see under SALMONIDAE (B2)

TRUSSES (E4)

[Orthopedic contention of severe anal prolapse in infants] Mourot M, et al.
Presse Med 79:1025, 1 May 71 (Fre)

CLASSIFICATION

[Prescription of a hernia bandage] Saint-Martin G.
Therapeutique 47:291-2, Mar 71 (Fre)

TRUSTEES see GOVERNING BOARD (N4)

TRYPAN BLUE (D13)

Postnatal sequences of myelodysplasia in the rat offspring caused by maternal administration of trypan blue during pregnancy. Hoshino K, et al.
Annu Rep Res Inst Environ Med Nagoya Univ 18:53-5, 1970
Interaction of lactoferrin with agar gels and with Trypan Blue. Malmquist J, et al.
Biochim Biophys Acta 236:38-46, 27 Apr 71
A technique for detection of agglutinating activity of antilymphocytic serum using formalinized and trypan-blue-stained lymphocytes. Janković BD, et al.
Clin Exp Immunol 6:761-6, May 70
Intraperitoneal trypan blue as a means to visualize cutaneous anaphylaxis. Drewinko B, et al.
Lab Invest 24:303-5, Mar 71
Staining of pathogenic fungi with trypan blue. Sampaio MM, et al.
Rev Inst Med Trop Sao Paulo 13:223-4, May-Jun 71
Trypan blue in the rat embryo. Davis HW, et al.
Teratology 1:125-33, May 68
Oxygen consumption in normal and trypan blue-treated chick embryos. Kapian S, et al.
Teratology 1:369-73, Nov 68
[Study of the effects of diethylamine carboxylate-2 chromone on capillary permeability. Tests based on dye diffusion] Conquet P, et al.
C R Soc Biol (Paris) 164:800-4, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ADVERSE EFFECTS

Chromosomal breakage and teratogenesis. Roux C, et al. Teratology 4:303-15, Aug 71

METABOLISM

[Storage, metabolism and excretion of foreign materials in animals] Schmidt W, et al. Z Mikrosk Anat Forsch 81:492-9, 1970 (Ger)

[Uptake of trypan blue and ferritin into the "Globular Cells" of the connective tissue of Helix pomatia and Cepaea nemoralis (Stylommatophora, Pulmonata)] Buchholz K, et al. Z Zellforsch Mikrosk Anat 113:203-15, 1971 (Ger)

[Permeability of the placental barrier with regard to hemolytic staphylococci and trypan blue] Surovtseva ZF. Biull Eksp Biol Med 65:53-5, May 68 (Rus)

PHARMACODYNAMICS

Trypan blue inhibition of yolk deposition--a clue to follicle cell function in the cecropia moth. Anderson LM, et al. J Embryol Exp Morphol 23:35-52, Feb 70

The effect of trypan blue on the growth of the rat embryo in vivo. Berry CL. J Embryol Exp Morphol 23:213-8, Feb 70

The influence of trypan blue, Niagara blue 2B, and colloidal carbon on the absorption and transport of valine by rat intestinal segments. Kernis MM. Teratology 4:327-34, Aug 71

TOXICITY

The effects of trypan blue on the blood pressure of rat embryos. Grabowski CT, et al. Teratology 4:69-74, Feb 71

Teratogenic effects of direct injection of aqueous and protein-bound trypan blue into the bloodstream of 3-day chick embryos. Kaplan S, et al. Teratology 3:269-72, Aug 70

[Teratogenic property of trypan blue in the chick embryo] Lanot R. Arch Anat Microsc Morphol Exp 60:49-81, Jan-Mar 71 (Fre)

TRYPANOSOMA (B1)

Utilization of a Trypanosoma equiperdum test in studies on the radioprotective action of endotoxin. Fóris G, et al. Acta Vet Acad Sci Hung 21:31-9, 1971

The influence of the age of the fly at the time of the infecting feed on infection of Glossina fuscipes with Trypanosoma rhodesiense. Harley JM. Ann Trop Med Parasitol 65:191-6, Jun 71

Comparison of the susceptibility of infection with Trypanosoma rhodesiense of Glossina pallidipes, G. morsitans, G. fuscipes and G. brevipalpis. Harley JM. Ann Trop Med Parasitol 65:185-9, Jun 71

Trypanosoma gambiense and T. lewisi: increased vascular permeability and skin lesions in rabbits. Seed JR. Exp Parasitol 26:214-23, Oct 69

Population dynamics of Telenomus fariai (Hymenoptera: Scelionidae), a parasite of Chagas' disease vectors. IV. Effect of female size on progeny. Rabinovich JE. J Med Entomol 7:561-6, Nov 70

Adaptation of Trypanosoma vivax to laboratory animals. Hull RM, et al. Trans R Soc Trop Med Hyg 65:14-5, 1971

[Role of bacteria in the digestive tube of insects, vectors of plasmodidae and trypanosomidae] Jadin J. Ann Soc Belg Med Trop 47:331-42, 1967 (Fre)

[Trypanosa in cobalt therapy (43 cases)] Spithakis R. Mars Med 107:949-52, 1970 (Fre)

[Histological lesions of the heart in dogs vaccinated with an avirulent strain of Trypanosoma cruzi] Menezes H. Rev Bras Med 26:281-3, May 69 (Por)

ANALYSIS

Trypanosoma cruzi: immunological properties of a soluble extract of culture forms. Bergendi L, et al. Exp Parasitol 28:258-62, Oct 70

Kinetoplast deoxyribonucleic acid of the hemoflagellate Trypanosoma lewisi. Renger HC, et al. J Cell Biol 47:689-702, Dec 70

Microsomal hemoproteins in Trypanosoma cruzi. De Boiso JF, et al. Proc Soc Exp Biol Med 136:215-21, Jan 71

[Nature of cytochromes of Trypanosoma cruzi] Stoppani AO, et al. Rev Soc Argent Biol 45:151-60, Aug-Nov 69 (Spa)

CLASSIFICATION

The testing of proven Trypanosoma brucei and T. rhodesiense strains by the blood incubation infectivity test. Rickman LR, et al. Bull WHO 42:911-6, 1970

Trypanosoma (Schizotrypanum) cruzi strain from British Honduras. Petana WB. Trans R Soc Trop Med Hyg 64:790-1, 1970

Taxonomic classification of developmental stages of Trypanosoma (Schizotrypanum) cruzi. Petana WP. Trans R Soc Trop Med Hyg 65:270-2, 1971

[Disease reservoirs and wild vectors of Trypanosoma cruzi. 43. On the validity of the American species of flagellates included in the subgenus of Schizotrypanum Chagas, 1909 of the genus Trypanosoma Gruby, 1843] Barretto MP. Rev Inst Med Trop Sao Paulo 12:272-8, Jul-Aug 70 (Por)

CYTOLOGY

Relationship between Eperythrozoon coccoides and Trypanosoma (Trypanozoon) brucei brucei in experimentally infected mice. Molyneux DH. Ann Trop Med Parasitol 64:325-8, Sep 70

Ultra-structural changes in the kinetoplast of Trypanosoma cruzi during transition of form in vitro. Inoki S, et al. Biken J 14:37-50, Mar 71

Electron microscopy of DNA released from ruptured kinetoplasts of Trypanosoma gambiense. Ozeki Y, et al. Biken J 13:387-93, Dec 70

A zonal density gradient centrifuge for separating cytoplasmic granules from Trypanosoma brucei. Molloy JO, et al. J Protozool 18:157-62, Feb 71

Pleomorphism demonstrated in a clone of an akinetoplastic strain of Trypanosoma evansi. Miles MA. Trans R Soc Trop Med Hyg 64:471, 1970

Morphological aberration of Trypanosoma (schizotrypanum) cruzi in the blood of white mice infected with strain BHC-10 from British Honduras. Petana WB. Trans R Soc Trop Med Hyg 65:15-6, 1971

Morphology of the parasites and the pathological changes in the brain of albino rats infected with Trypanosoma gambiense. Wery M, et al. Trans R Soc Trop Med Hyg 65:409-11, 1971

Preliminary observations on the fine structure of the trypomastigote form of Trypanosoma (herpetosoma) musculi in the blood stream phase. Wilson VC, et al. Trans R Soc Trop Med Hyg 65:17, 1971

The fine structure of Crithidia fasciculata with special reference to the organelles involved in the ingestion and digestion of protein. Brooker BE. Z Zellforsch Mikrosk Anat 116:532-63, 1971

[Study of several Flagellata in connection with their structural function and other properties. I. Electron microscopic study of the ultrastructure of Trypanosoma Equiperdum] Cherpova N. Izv Mikrobiol Inst (Sofiia) 20:263-73, 1969 (Bul)

[Observation of kinetoplast DNA by electron microscopy] Laurent M, et al. Arch Int Physiol Biochim 78:1003-4, Dec 70 (Fre)

[Ultrastructure of the undulating membrane of a reptilian blood form of Trypanosoma] Ranque P, et al. C R Soc Biol (Paris) 164:1898-9, 1970 (Fre)

[Ultrastructure of Trypanosoma rangeli, Tejera 1920. Forms of culture] Alemán C. Acta Cient Venez 21:145-53, 1970 (Spa)

[On the ultrastructure of Trypanosoma cruzi in mouse myocardium] Sanabria A. Acta Cient Venez 21:107-18, 1970 (Spa)

DRUG EFFECTS

Trypanocidal properties of 5'-O-Sulfamoyladenosine, a close structural analog of nucleocidin. Jaffe JJ, et al. Exp Parasitol 28:535-43, Dec 70

Evidence for the retention of kinetoplast DNA in an acriflavine-induced dyskinetoplastic strain of Trypanosoma brucei which replicates the altered central element of the kinetoplast. Stuart KD. J Cell Biol 49:189-95, Apr 71

Resistance of Trypanosoma evansi to quinapyramine, suramin, stilbamidine and tryparsamide and analysis of cross-resistance. Gill BS. Trans R Soc Trop Med Hyg 65:352-7, 1971

ENZYMOLOGY

Transformation in cultural Trypanosoma cruzi grown in association with the fungus Candida sp. Lehmann DL. Ann Trop Med Parasitol 64:331-4, Sep 70

[Properties and location of the Trypanosomide "Crithidia luciliae" acid hydrolases] Eeckhout Y. Arch Int Physiol Biochim 78:993-4, Dec 70 (Fre)

GROWTH & DEVELOPMENT

Estimation of endotoxin-induced increase in resistance by means of Trypanosoma equiperdum growth curves. Fóris G, et al. Acta Microbiol Acad Sci Hung 17:311-7, 1970

Suitable blood sources permitting reacquisition of infectivity of culture-form. Trypanosoma (Trypanosoma (Trypanozoon) brucei. Amrein YU, et al. Acta Trop (Basel) 28:70-5, 1969

Developmental patterns in trypanosomes of the subgenus Herpetosoma. Molyneux DH. Ann Soc Belg Med Trop 50:229-37, 1970

American trypanosomiasis in British Honduras. 8. The morphogenesis of Trypanosoma (Schizotrypanum) cruzi in the tissues of animals experimentally infected with British Honduras strains of the parasite. Petana WB. Ann Trop Med Parasitol 65:21-4, Mar 71

American trypanosomiasis in British Honduras. IX. Development of Trypanosoma (Schizotrypanum) cruzi in Triatoma dimidiata (Hemiptera, Reduviidae), and a note on the occurrence of dividing trypomastigote forms in the gut of some of the naturally infected bugs. Petana WB. Ann Trop Med Parasitol 65:25-30, Mar 71

Development of trypanosomes of the T. avium complex in the invertebrate host. Bennett GF. Can J Zool 48:945-57, Sep 70

Trypanosoma lewisi: physiologic adaptation of wild isolate to albino rats evidenced by cell populations and respiratory activity. Lincicome DR, et al. Exp Parasitol 29:179-93, Apr 71

Fate of some culture flagellates in the hemocoel of Rhodnius prolixus. Tobie EJ. J Parasitol 54:1040-6, Oct 68

Cyanide insensitive culture form of Trypanosoma brucei. Evans DA, et al. Nature (Lond) 230:251-2, 26 Mar 71

Some observations on the morphology and developmental stages of Trypanosoma avium bakeri ssp.nov. from the red-whiskered bulbul (Otocompsa jocosa Linn.). Chatterjee DK, et al. Parasitology 62:331-8, Apr 71

The effect of a milk diet upon Plasmodium berghei, Nuttallia (=Babesia) rodhaini and Trypanosoma brucei infections in mice. Nowell F. Parasitology 61:425-33, Dec 70

Life cycle of Trypanosoma cruzi. Brener Z. Rev Inst Med Trop Sao Paulo 13:171-8, May-Jun 71

Multiplication of Trypanosoma (Schizotrypanum) cruzi in mouse peritoneal macrophages. Behbehani MK. Trans R Soc Trop Med Hyg 65:15, 1971

The development of trypanosomes, leishmaniae and ascitic tumour cells in the testicles of laboratory animals. Heisch RB, et al. Trans R Soc Trop Med Hyg 64:679-82, 1970

Taxonomic classification of developmental stages of Trypanosoma (Schizotrypanum) cruzi. Petana WP. Trans R Soc Trop Med Hyg 65:270-2, 1971

Further studies on tissue forms of Trypanosoma brucei in a vertebrate host. Soltys MA, et al. Trans R Soc Trop Med Hyg 64:692-4, 1970

Non-cyclical transmission of trypanosomiasis in Uganda. II. Experimental assessment of the survival time of Trypanosoma brucei in Stomoxys calcitrans. Dixon JB, et al. Vet Rec 89:233-5, 28 Aug 71

[Culture of trypanosomes in a Parker medium in the presence of microorganisms] Fromentin H. Bull Soc Pathol Exot 62:1084-90, Nov-Dec 69 (Fre)

[Attempts to adapt Entamoeba histolytica to various protozoan species in Diamond's TTY medium] Westphal A, et al. Z Tropenmed Parasitol 22:149-56, Jun 71 (Ger)

[Influence of temperature on the development of Trypanosoma cruzi in triato minae] Neves DP. Rev Inst Med Trop Sao Paulo 13:155-61, May-Jun 71 (Por)

IMMUNOLOGY

Gel diffusion and immunoelectrophoretic analysis of some Venezuelan Trypanosoma cruzi strains. Medina M, et al. Acta Cient Venez 21:65-7, 1970

Nature and location of Trypanosoma brucei subgroup exoantigen and its relationship to 4S antigen. Allsopp BA, et al. Exp Parasitol 29:271-84, Apr 71

Trypanosoma rhodesiense and T. brucei: absence of antibodies in chicken embryos. Goedbloed E, et al. Exp Parasitol 26:282-9, Dec 69

A study of the antigenic relationships of isolates of Trypanosoma brucei collected from a herd of cattle kept in one locality for five years. Gray AR. J Gen Microbiol 62:301-13, Aug 70

A comparison of a new antigen from amastigotes of Trypanosoma cruzi and an antigen from epimastigotes for the diagnosis of Chagas' disease by the indirect immunofluorescence test. Cerisola JA, et al. Rev Inst Med Trop Sao Paulo 13:162-6, May-Jun 71

Adherence of sensitized trypanosomes to peritoneal cells. Kloetzel J, et al. Rev Inst Med Trop Sao Paulo 12:383-7, Nov-Dec 70

Protective cross-immunity between Trypanosoma cruzi and T. lewisi. Kloetzel J, et al. Rev Inst Med Trop Sao Paulo 13:31-6, Jan-Feb 71

Antigenic variation in tsetse-transmissible strain of Trypanosoma vivax. Jones TW, et al. Trans R Soc Trop Med Hyg 65:14, 1971

Macrophage cytophilic antibodies to Trypanosoma brucei in rabbits. Tizard IR, et al. Trans R Soc Trop Med Hyg 65:407-8, 1971

Immunological aspects of bovine trypanosomiasis. II. Antigenic variation in a strain of Trypanosoma congolense transmitted by Glossina morsitans. Wilson AJ, et al. Trans R Soc Trop Med Hyg 64:818-21, 1970

[Somatic and serum antigens demonstrated during trypanosomiasis due to Trypanosoma gambiense] Desmet G, et al. C R Soc Biol (Paris) 164:1879-86, 1970 (Fre)

[Identification of certain exoantigens of Trypanosoma gambiense by polyacrylamide-agarose mixed gel electrophoresis] Wane A, et al. C R Soc Biol (Paris) 164:1893-8, 1970 (Fre)

[Study of the antigenic structure of Trypanosoma cruzi] Bergendi L, et al.
Bratisl Lek Listy 55:406-11, 1971 (Slo)

ISOLATION & PURIFICATION

Comparative efficacy of techniques of recovering trypanosomes (Trypanosoma evansi) from the rat blood and methods of preparing antigen for use in the complement fixation test for surra. Gill BS.
Ann Soc Belg Med Trop 50:635-40, 1970
American trypanosomiasis in British Honduras. XI. Observation on the viability and morphology of Trypanosoma sigmodoni Culbertson 1941, in vitro. Petana WB. Ann Trop Med Parasitol 65:179-83, Jun 71
The isolation of trypanosomes from cattle in Ontario. Julian RJ. Can J Comp Med 35:192-4, Jul 71
Isolation of salivarian trypanosomes from man and other mammals using DEAE-cellulose. Lanham SM, et al. Exp Parasitol 28:521-34, Dec 70
Blood concentration method in the diagnosis of Chagas disease. Cedillos RA, et al.
Rev Lat Am Microbiol 12:200-3, Oct-Dec 70
Isolation of avian trypanosomes by selective centriugation and subsequent procsing for electron microscopy. Demaree RS Jr.
Stain Technol 45:304-6, Nov 70
Trypanosoma cruzi-like parasites in the slow loris (Nycticebus coucang) from Malaysia. Kuntz RE, et al.
Trans Am Microsc Soc 89:304-7, Apr 70
Recovery of viable trypanosomatid flagellates from naturally infected tsetse flies and phlebotomine sandflies, previously preserved whole in liquid nitrogen (preliminary note). Minter DM, et al.
Trans R Soc Trop Med Hyg 64:789-90, 1970
Amastigotes of the sleeping sickness typansomes found in the choroid plexus and their transformation to typomastigotes. Ormerod WE, et al.
Trans R Soc Trop Med Hyg 65:14, 1971
Trypanosoma sigmodoni Culberston, 1941 from British Honduras. Petana WB.
Trans R Soc Trop Med Hyg 65:16-7, 1971
The isolation of a strain of Trypanosoma vivax resistant against Novidium from cattle in Northern Nigeria. Ilemobade AA, et al. Vet Rec 87:761-2, 12 Dec 70
[Several observations on isolation and in vitro adaptation of pathogenic African trypanosomes] Le Ray D, et al.
Bull Soc Pathol Exot 63:675-84, Nov-Dec 70 (Fre)
[Occurrence of Trypanosoma cruzi in the milk of infected mice] Disko R, et al.
Z Tropenmed Parasitol 22:56-66, Mar 71 (Ger)
[Behavior of Trypanosoma cruzi in various species of lizards] Neves DP, et al.
Rev Bras Biol 30:111-4, Apr 70 (Por)
[Disease reservoirs and wild vectors of Trypanosoma cruzi. XLII. Natural infection of the monkey, Alouatta caraya (Humboldt, 1812) by T. cruzi] Funayama GK, et al.
Rev Inst Med Trop Sao Paulo 12:257-65, Jul-Aug 70 (Por)

METABOLISM

Specific inhibition by ethidium bromide of the incorporation of 3 H thymidine into the kinetoplastic DNA of Trypanosoma cruzi. Riou G.
Biochem Pharmacol 19:1534-6, Apr 70
Serine metabolism in the culture form of Trypanosoma cruzi: distribution of 14C from serine into metabolic fractions. Hampton JR.
Comp Biochem Physiol 38:535-40, 1 Mar 71
Energy-dependent transport of pteridines into the trypanosomid flagellate, Crithidia fasciculata. Rembold H, et al.
Hoppe Seylers Z Physiol Chem 351:1277-9, Oct 70
Lysine uptake in cultured Trypanosoma cruzi: interactions of competitive inhibitors. Hampton JR.
J Protozool 17:597-600, Nov 70
Specificity of sugar transport in Trypanosoma gambiense. Southworth GC, et al.
J Protozool 17:396-9, Aug 70
Further evidence of cellular secretion by Trypanosoma brucei. Bird RG, et al.
Trans R Soc Trop Med Hyg 64:471, 1970
[Pinocytosis of Trypanosoma (Trypanozoon) brucei, Plimmer and Bradfort, 1899] Ceigy R, et al.
Acta Trop (Basel) 27:271-7, 1970 (Ger)
[Comparative studies of the desoxythymidylate synthesis in Plasmodium chabaudi, Trypanosoma gambiense and Trypanosoma lewisi] Walter RD, et al.
Z Tropenmed Parasitol 21:347-57, Dec 70 (Ger)

PATHOGENICITY

Biological differences of two substrains of Trypanosoma brucei maintained by syringe passage in two different hosts. Soltys MA, et al.
Ann Trop Med Parasitol 64:349-54, Jun 70
Trypanosoma rangeli: effect on excretion in Rhodnius prolixus. Watkins R.
J Invertebr Pathol 17:67-71, Jan 71
Histology of Rhodnius prolixus infected with Trypanosoma rangeli. Watkins R.
J Invertebr Pathol 17:59-66, Jan 71
II. The avirulence of the cultivated Y strain of Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 12:129-35, Mar-Apr 70
The avirulence of the cultivated y strain of Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 13:14-7, Jan-Feb 71
The low pathogenicity of Trypanosoma brucei to cattle. Killick-Kendrick R.
Trans R Soc Trop Med Hyg 65:104, 1971
Epidemiology of trypanosomiasis in man. Soltys MA.
Z Tropenmed Parasitol 22:120-33, Jun 71
[Intrahepatic infection experiments in golden hamsters with E. histolytica-Crithidia cultures with and without the use of bacteria] Raether W.
Z Parasitenkd 36:335-45, 24 Jun 71 (Ger)
[Relation between inoculation dosis and chemotherapeutic effect in Trypanosoma rhodesiense infection in NMRI mice] Raether W.
Z Tropenmed Parasitol 21:335-8, Dec 70 (Ger)
[Recovery and characterization of trypanosomas inoculated into immune animals (re-inoculation with different strains of T. cruzi)] Andrade SG, et al.
Rev Inst Med Trop Sao Paulo 12:395-402, Nov-Dec 70 (Por)

PHYSIOLOGY

[Possibility of division of Trypanosoma cruzi under its trypomastigote form, in cell culture] Lamy L.
C R Acad Sci [D] (Paris) 272:1292-4, 1 Mar 71 (Fre)

RADIATION EFFECTS

The effects of laser microbeam irradiation on the flagellum of Crithidia (Strigomonas) oncopelti. Goldstein SF, et al. J Exp Biol 53:401-9, Oct 70
Essays on immunization of mice with ultraviolet radiated virulent and avirulent culture forms of Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 12:310-9, Sep-Oct 70

TRYPANOSOMIASIS (C1)

Biological aspects of trypanosomiasis research, 1965; a retrospect, 1969. Lumsden WH.
Adv Parasitol 8:227-49, 1970 (74 ref.)
Trypanosomiasis and leishmaniasis. Marsden PD, et al.
Practitioner 207:181-5, Aug 71
Trypanosoma lewisi infection in the rat: effect of adenine. Taliaferro WH, et al.
Proc Natl Acad Sci USA 68:1-5, Jan 71
Summary of recent abstracts. IV. Trypanosomiasis. Lumsden WH. Trop Dis Bull 68:531-41, May 71
[Attempt at correlation between the evolution of a disease by Trypanosoma equiperdum and the action of a pulsed and modulated electromagnetic wave] Berteaud AJ, et al.
C R Acad Sci [D] (Paris) 272:1003-6, 15 Feb 71 (Fre)

BLOOD

Preliminary observations on the fine structure of the trypomastigote form of Trypanosoma (herpetosoma) musculi in the blood stream phase. Wilson VC, et al.
Trans R Soc Trop Med Hyg 65:17, 1971
[Serologic studies in dogs after infection with Trypanosoma brucei] Schindler R, et al.
Z Tropenmed Parasitol 21:339-46, Dec 70 (Ger)

COMPLICATIONS

Relationship between Eperythrozoon coccoides and Trypanosoma (Trypanozoon) brucei brucei in experimentally infected mice. Molyneux DH.
Ann Trop Med Parasitol 64:325-8, Sep 70
[Heart disease in trypanosomiasis] Ferreira FC, et al.
An Esc Nacl Saude Publica Med Trop (Lisb) 3:47-9, Jan-Dec 69 (Fre)
[A case of trypanosomiasis] Marx P, et al.
Bull Soc Ophtalmol Fr 69:765-72, Jul-Aug 69 (Fre)

DIAGNOSIS

Trypanosomiasis. Woodruff AW.
Proc R Soc Med 63:1314, Dec 70
[Diagnostic problems in a case of African human trypanosomiasis] Coulaud JP, et al.
Bull Soc Pathol Exot 63:685-91, Nov-Dec 70 (Fre)

DRUG THERAPY

Therapeutic efficacy of new nitroimidazoles for experimental trichomoniasis, amebiasis, and trypanosomiasis. Cuckler AC, et al.
Am J Trop Med Hyg 19:916-25, Nov 70
Trypanocidal properties of 5'-O-Sulfamoyladenosine, a close structural analog of nucleocidin. Jaffe JJ, et al.
Exp Parasitol 28:535-43, Dec 70
Perfluoroalkyl carbonyl compounds. 2. Derivatives of hexafluoroacetone. Crank G, et al.
J Med Chem 13:1215-7, Nov 70
Treatment of experimental Trypanosoma evansi infection of rodents with captostibone. Gill BS.
Trans R Soc Trop Med Hyg 65:347-51, 1971

ETIOLOGY

The effect of a milk diet upon Plasmodium berghei, Nuttallia (=Babesia) rodhaini and Trypanosoma brucei infections in mice. Nowell F.
Parasitology 61:425-33, Dec 70

IMMUNOLOGY

Estimation of endotoxin-induced increase in resistance by means of Trypanosoma equiperdum growth curves. Fóris G, et al.
Acta Microbiol Acad Sci Hung 17:311-7, 1970
Occurrence, isolation and interchain bridges of natural 7-S immunoglobulin M in human serum. Dolder F.
Biochim Biophys Acta 236:675-85, 29 Jun 71
Experimental induction of rheumatoid factor-like substances in animal trypanosomiasis. Klein F, et al.
Clin Exp Immunol 7:851-63, Dec 70
Low molecular weight serum immunoglobulin M in experimental trypanosomiasis. Frommel D, et al.
Nature (Lond) 228:1206-10, 19 Dec 70
Protective cross-immunity between Trypanosoma cruzi and T. lewisi. Kloetzel J, et al.
Rev Inst Med Trop Sao Paulo 13:31-6, Jan-Feb 71

METABOLISM

Induction of an interferon-like inhibitor by Trypanosoma cruzi infection in mice. Rytel MW, et al.
Am J Trop Med Hyg 19:929-31, Nov 70
Trypanosoma duttoni: oxygen uptake by liver slices of normal and pantothenate-deficient mice. Lee CM, et al. Z Parasitenkd 36:346-54, 24 Jun 71

MICROBIOLOGY

The preservation in liquid nitrogen of tsetse flies and phlebotomine sandflies naturally infected with trypanosomatid flagellates. Minter DM, et al.
Trans R Soc Trop Med Hyg 65:175-81, 1971
Further studies on tissue forms of Trypanosoma brucei in a vertebrate host. Soltys MA, et al.
Trans R Soc Trop Med Hyg 64:692-4, 1970

OCCURRENCE

Frequency and distribution of Trypanosoma cruzi and Trypanosoma rangeli in the Republic of Panamá. Sousa OE, et al. Am J Trop Med Hyg 20:405-10, May 71
[Wild reservoirs and vectors of Trypanosoma cruzi. 39. Natural infection of Procyon concrivorus nigripes Mivart, 1885, by T. cruzi] Barretto MP, et al.
Rev Bras Biol 30:431-8, Sep 70 (Por)
[Wild reservoirs and vectors of Trypanosoma cruzi. XLI. Natural infection of the bat, Tadarida laticaudata (Geoffroy, 1805) by T. cruzi] Funayama GK, et al.
Rev Bras Biol 30:439-45, Sep 70 (Por)
[Status of the epidemiological studies on Chagas' disease in Chile] Schenone H.
Bol Of Sanit Panam 70:250-5, Mar 71 (Spa)

PATHOLOGY

Trypanosoma gambiense and T. lewisi: increased vascular permeability and skin lesions in rabbits. Seed JR. Exp Parasitol 28:214-23, Oct 69
Macrophages and Trypanosoma brucei infections in rabbits. Goodwin LG, et al.
Trans R Soc Trop Med Hyg 64:470-1, 1970

PHYSIOPATHOLOGY

Pathological effects of Trypanosoma brucei on small blood vessels in rabbit ear-chambers. Goodwin LG.
Trans R Soc Trop Med Hyg 65:82-8, 1971
[Intrahepatic infection experiments in golden hamsters with E. histolytica-Crithidia cultures with and without the use of bacteria] Raether W.
Z Parasitenkd 36:335-45, 24 Jun 71 (Ger)

PREVENTION & CONTROL

Effect of polyacrylic acid on experimental malaria and trypanosomiasis in mice. Van Dijck PJ, et al.
Ann Trop Med Parasitol 64:5-9, Mar 70
[Relation between inoculation dosis and chemotherapeutic effect in Trypanosoma rhodesiense infection in NMRI mice] Raether W.
Z Tropenmed Parasitol 21:335-8, Dec 70 (Ger)

THERAPY

[Effect of magnetic fields combined with electromagnetic waves on experimental trypanosomiasis of rabbit] Pautrizel R, et al.
C R Acad Sci [D] (Paris) 271:877-80, 7 Sep 70 (Fre)

VETERINARY

Study of immunity to Trypanosoma evansi following

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

drug cure of the infection. Gili BS.
Ann Soc Belg Med Trop 51:215-9, 1971
Diagnosis of surra in camels by the passive haemagglutination test. Jatkar PR, et al.
Br Vet J 127:283-8, Jun 71
Pathology of experimental trypanosomiasis in the albino rat, rabbit, goat and sheep--A preliminary report. Losos GJ, et al.
Can J Comp Med 34:209-12, Jul 70
The trypanosomes of Ranidae. II. The effects of excitation and adrenalin on the peripheral parasitaemia in the bullfrog (Rana catesbeiana Shaw). Bardsley JE, et al. Can J Zool 48:1317-9, Nov 70
Effect of Berenil in Trypanosoma evansi infection. Bhathacharjee UK, et al. Indian Vet J 48:541-3, May 71
Pathogenesis of anaemia in Trypanosoma evansi infection. I. Haematology. Jatkar PR, et al.
Indian Vet J 48:239-44, Mar 71
Outbreak of trypanosomiasis evansi amongst tigers and jaguars in the zoological garden, Calcutta. Sinha PK, et al. Indian Vet J 48:306-10, Mar 71
Some observations on the morphology and developmental stages of Trypanosoma avium bakeri ssp.nov. from the red-whiskered bulbul (Otocompsa jocosa Linn.). Chatterjee DK, et al.
Parasitology 62:331-8, Apr 71
Isolation of avian trypanosomes by selective centriugation and subsequent procsing for electron microscopy. Demaree RS Jr.
Stain Technol 45:304-6, Nov 70
The sub-genus Schizotrypanum in Britain. Bafort JM, et al. Trans R Soc Trop Med Hyg 64:472, 1970
Trypanosomes of primates in Indonesia. Hoare CA.
Trans R Soc Trop Med Hyg 64:650, 1970
Trypanosomes of primates in Indonesia. Weinman D.
Trans R Soc Trop Med Hyg 64:649, 1970
[Current status of infectious equine diseases in Latin America] Ruiz Martinez C.
Bull Off Int Epizoot 70:937-76, Jul-Aug 69 (82 ref.) (Fre)
[Prothidium and isometamidium as drugs against Trypanosomia brucei in dogs] Toure SM.
Rev Elev Med Vet Pays Trop 23:321-6, 1970 (Fre)
[Control of trypanosomiasis in dairies in Dar es Salaam. IV. Distribution of tsetse flies] Robertson DC, et al.
Berl Munch Tieraerztl Wochenschr 83:193-6, 15 May 70 (Ger)

TRYPANOSOMIASIS, AFRICAN (C1)

[Possible existence of an animal virus reservoir of human African trypanosomiasis due to T. gambiense: epidemiologic reflections and practical consequences] Lapeyssonnie L.
Bull Soc Pathol Exot 62:335-43, 1969 (Fre)
[Attempted cyclic transmission of the congolense group of Trypanosoma] Maillot L.
Rev Elev Med Vet Pays Trop 23:189-93, 1970 (Fre)

BLOOD

[Study of the serum of Africans presenting various forms of reactional macroglobulinemia] Sandor G, et al. Bull Soc Pathol Exot 62:780-9, 1969 (Fre)
[Lymphoytes with PAS positive granulition in African human trypanosomiasis] Menard M, et al.
Med Trop (Mars) 30:629-41, Sep-Oct 70 (Fre)

COMPLICATIONS

Pathological and biochemical changes in rats infected concurrently with Nippostrongylus brasiliensis and Trypanosoma congolense. Simaren JO, et al.
Ann Parasitol Hum Comp 45:805-13, Nov-Dec 70

DIAGNOSIS

The haematocrit centrifuge technique for the diagnosis of African trypanosomiasis. Woo PT.
Acta Trop (Basel) 27:384-6, 1970
The diagnosis of human African trypanosomiasis (T. gambiense) by the use of fluorescent antibody test. I. Standardization of an easy technique to be used in mass surveys. Wery M, et al.
Ann Soc Belg Med Trop 50:613-34, 1970
The diagnosis of human african trypanosomiasis (T. gambiense) by the use of the fluorescent antibody test. 2. First results of field application. Wery M, et al.
Ann Soc Belg Med Trop 50:711-30, 1970
[Usefulness of examination of the ascitic fluid in experimental infections caused by Trypanosomidae] Le Ray D. Ann Soc Belg Med Trop 47:343-7, 1967 (Fre)
[Studies on the specific antibodies during trypanosomiasis due to T. gambiense and on the correspondating antigens] Wane A, et al.
C R Soc Biol (Paris) 164:1886-93, 1970 (Fre)

DRUG THERAPY

[African trypanosomiasis. A propos of a case of sleeping sickness treated in Switzerland] Jenny M.
Praxis 59:1777-80, 22 Dec 70 (Fre)
[Curative and preventive effect of Berenil afe oraland subcutaneous administration in experimental trypanosomiasis (Trypanoso rhodesiense, T.gambiense)] Raether W, et al.
Z Tropenmed Parasitol 22:66-81, Mar 71 (Ger)
[Treatment of sleeping sickness. Results in the Tete district] Neves J.
An Esc Naci Saude Publica Med Trop (Lisb) 4:229-47, Jan-Dec 70 (Por)

ETIOLOGY

Origin of mammalian trypanosomes which develop in the anterior-station of blood-sucking arthropods. Woo PT. Nature (Lond) 228:1059-62, 12 Dec 70

IMMUNOLOGY

Possible immunity in man to Trypanosoma Rhodesiense. Estimation of antibody titre by fluorescent antibody test. Roberts CJ, et al.
Cent Afr J Med 16:81-3, Apr 70
[Somatic and serum antigens demonstrated during trypanosomiasis due to Trypanosoma gambiense] Desmet G, et al.
C R Soc Biol (Paris) 164:1879-86, 1970 (Fre)
[Identification of certain exoantigens of Trypanosoma gambiense by polyacrylamide-agarose mixed gel electrophoresis] Wane A, et al.
C R Soc Biol (Paris) 164:1893-8, 1970 (Fre)

MICROBIOLOGY

Amastigotes of the sleeping sickness typansomes found in the choroid plexus and their transformation to typomastigotes. Ormerod WE, et al.
Trans R Soc Trop Med Hyg 65:14, 1971

OCCURRENCE

Human trypanosomiasis in Ethiopa. Ecology of Illubabor Province and epidemiology in the Baro River area. Baker JR, et al.
Trans R Soc Trop Med Hyg 64:523-30, 1970
Human trypanosomiasis in Ethiopia: the Gilo River area. McConnell E, et al.
Trans R Soc Trop Med Hyg 64:683-91, 1970
[Epidemiological status of trypanosomiasis in Chad] Nebout M.
Med Trop (Mars) 29:229-41, Mar-Apr 69 (Fre)
[Present epidemiologic situation in the African trypanosomiasis] Swanya CG.
Z Aerztl Fortbild (Jena) 64:456-8, 1 May 70 (Ger)

PATHOLOGY

Trypanosoma gambiense and T. lewisi: increased vascular permeability and skin lesions in rabbits. Seed JR. Exp Parasitol 26:214-23, Oct 69
The pathology of African trypanosomiasis. Goodwin LG. Trans R Soc Trop Med Hyg 64:797-817, 1970
Morphology of the parasites and the pathological changes in the brain of albino rats infected with Trypanosoma gambiense. Wery M, et al.
Trans R Soc Trop Med Hyg 65:409-11, 1971

VETERINARY

Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. II. Salivarian trypanosome infections in wild animals in Busoga District, Uganda. Burridge MJ, et al.
Br Vet J 126:627-33, Dec 70
Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. IV. Stercorarian trypanosome infections in cattle and wild animals in East Africa. Reid HW, et al.
Br Vet J 126:642-7, Dec 70
Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. I. Introduction. Reid HW, et al. Br Vet J 126:622-6, Dec 70
The low pathogenicity of Trypanosoma brucei to cattle. Killick-Kendrick R.
Trans R Soc Trop Med Hyg 65:104, 1971

TRYPANOSOMIASIS, BOVINE (C1, C15)

COMPLICATIONS

Observations on Trypanosoma theileri infection in cattle. Cross RF, et al. Can J Comp Med 35:12-7, Jan 71

ETIOLOGY

Non-cyclical transmission of trypanosomiasis in Uganda. II. Experimental assessment of the survival time of Trypanosoma brucei in Stomoxys calcitrans. Dixon JB, et al. Vet Rec 89:233-5, 28 Aug 71
Non-cyclical transmission of trypanosomiasis in Uganda. I. Abundance and biting vehaviour of Tabanidae and Stomoxys. Dixon JB, et al.
Vet Rec 89:228-33, 28 Aug 71

IMMUNOLOGY

A study of the antigenic relationships of isolates of Trypanosoma brucei collected from a herd of cattle kept in one locality for five years. Gray AR.
J Gen Microbiol 62:301-13, Aug 70
Immunological aspects of bovine trypanosomiasis. II. Antigenic variation in a strain of Trypanosoma congolonse transmitted by Glossina morsitans. Wilson AJ, et al. Trans R Soc Trop Med Hyg 64:818-21, 1970

MICROBIOLOGY

The isolation of trypanosomes from cattle in Ontario. Julian RJ. Can J Comp Med 35:193-4, Jul 71
The isolation of a strain of Trypanosoma vivax resistant against Novidium from cattle in Northern Nigeria. Ilemobade AA, et al. Vet Rec 87:761-2, 12 Dec 70
[A very peculiar case of asphyxia caused by accidental constriction of the neck] Fourcade J, et al.
Med Leg Domm Corpor (Paris) 4:184-5, Apr-Jun 71 (Fre)

MORTALITY

The low pathogenicity of Trypanosoma brucei to cattle. Killick-Kendrick R.
Trans R Soc Trop Med Hyg 65:104, 1971

OCCURRENCE

Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. I. Introduction. Reid HW, et al. Br Vet J 126:622-6, Dec 70
Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. IV. Stercorarian trypanosome infections in cattle and wild animals in East Africa. Reid HW, et al.
Br Vet J 126:642-7, Dec 70
Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. 3. Salivarian trypanosome infections in cattle in relation to the Glossina distribution in Busoga District, Uganda. Wain EB, et al. Br Vet J 126:634-41, Dec 70

TRYPANOSOMIASIS, SOUTH AMERICAN (C1)

American trypanosomiasis in British honduras. X. Natural habitats and ecology of Triatoma dimidiata (Hemiptera, Reduviidae) in the El Cayo and Toledo districts, and the prevalence of infection with Trypanosoma (Schizotrypanum) cruzi in the wild-caught bugs. Petana WB.
Ann Trop Med Parasitol 65:169-78, Jun 71
Attraction of triatomine bug vectors of Chagas's disease to betalights. Bertram DS.
Nature (Lond) 231:268, 28 Mar 71
[Study of Chagas' disease in northeast Brazil] Lucena DT de.
Rev Bras Malariol Doencas Trop 22:3-173, Jan-Mar 70 (Por)
[Fetal losses in a high prevalence area of chronic Chagas' disease] Teruel JR, et al.
Rev Inst Med Trop Sao Paulo 12:239-44, Jul-Aug 70 (Por)
[Report of the 1st autochthonous case of Chagas' disease diagnoed in the State of Santa Catarina, Brazil] Oliveira OV, et al.
Rev Saude Publica 4:211-4, Dec 70 (Por)
[Minimum neurosyndrome in chronic cruzi trypanosomiasis (2 cases of chronic chagasic encephalopathies)] Jörg ME, et al.
Mem Inst Oswaldo Cruz 65:63-80, 1967 (Spa)
[Chagas-Mazza disease in the province of Buenos Aires] Bejarano JF, et al.
Rev Sanid Milit Argent 69:64-103, Jan-Jun 70 (Spa)

BLOOD

P.A.S.-positive substance in lymphocytes of patients with Chagas's disease. Cabral HR.
Lancet 1:1356-7, 26 Jun 71
Morphological aberration of Trypanosoma (schizotrypanum) cruzi in the blood of white mice infected with strain BHC-10 from British Honduras. Petana WB. Trans R Soc Trop Med Hyg 65:15-6, 1971

COMPLICATIONS

Immunosuppression in experimental acute and subacute Chagasic myocarditis. Kumar R, et al.
Am J Trop Med Hyg 19:932-9, Nov 70
Ventricular aneurysms in acute experimental Chagas' myocardiopathy. Anselmi A, et al.
Chest 59:654-8, Jun 71
Prolonged septicaemic salmonellosis intercurrent with Schistosomiasis mansoni (intestinal polyposis, hepatic and cardiopulmonary forms) Chagas' disease, cerebral cysticercosis, taeniasis, shigellosis, ancylostomiasis, ascariasis and chronic malnutrition. Clinopathologic discussion. Neves J, et al.
J Trop Med Hyg 74:9-18, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Involvement of the autonomic nervous system of the main bronchi in chronic Chagas' disease (American trypanosomiasis)] Lima Pereira FE.
Poumon Coeur 25:887-905, 1969 (Fre)
[Chagasic cardiopathy. Rupture of the apical aneurysm] Oliveira JS, et al.
Arq Bras Cardiol 23:335-8, Oct 70 (Por)
[Chagas' disease pneumopathy. Chemical study of 20 cases] Giglio JR, et al.
Hospital (Rio de J) 78:383-8, Sep 70 (Por)
[Chagas' disease pneumopathies. Sputum examination of chronic Chagas' disease patients] Rossi MA, et al.
Hospital (Rio de J) 78:369-71, Sep 70 (Por)

CONGENITAL

[Trypanosoma cruzi: a new cause of congenital infection capable of inducing IgM antibody formation. (Preliminary report)] Stagno S, et al.
Bol Chil Parasitol 25:90-1, Jan-Jun 70 (Spa)

DIAGNOSIS

Comparison of the latex slide agglutination and complement fixation tests for the diagnosis of Chagas' disease. Pellegrino J, et al. J Parasitol 57:771, Aug 71
Hemagglutination test for Chagas' disease with chromium chloride, formalin-treated erythocytes, sensitized with Trypanosoma cruzi extracts. Camargo ME, et al.
Rev Inst Med Trop Sao Paulo 13:45-50, Jan-Feb 71
A comparison of a new antigen from amastigotes of Trypanosoma cruzi and an antigen from epimastigotes for the diagnosis of Chagas' disease by the indirect immunofluorescence test. Cerisola JA, et al.
Rev Inst Med Trop Sao Paulo 13:162-6, May-Jun 71
Indirect haemagglutination test for Chagas' disease, with a simple method for survey work. Neal RA, et al.
Rev Inst Med Trop Sao Paulo 12:325-32, Sep-Oct 70
Blood concentration method in the diagnosis of Chagas disease. Cedillos RA, et al.
Rev Lat Am Microbiol 12:200-3, Oct-Dec 70
[Immunological diagnosis of Chagas' disease. Serological development of patients with Chagas' disease] Cerisola JA, et al.
Rev Inst Med Trop Sao Paulo 12:403-11, Nov-Dec 70 (Por)
[Contribution to the method of examination in xerodiagnosis of previous liquified triatominae] Rohwedder RW, et al.
Rev Chil Parasitol 25:106-10, Jul-Dec 70 (Spa)

DRUG THERAPY

The effect of suramin on experimental Trypanosoma cruzi infection in mice. Seah S.
J Trop Med Hyg 73:170-1, Jul 70
[The failure of nucleic acids to prevent the destruction of neurons in Chagas' disease. Bohm GM, et al.
Rev Lat Am Patol 9:17-23, Mar 70
[Action of betamethasone in experimental Chagas' disease. II. Albino mice] Nery-Guimarães F.
Hospital (Rio de J) 78:995-1006, Oct 70 (Por)
[Use of prednisolone in the chronic phase of experimental Chagas' disease in mice] Menezes H.
Rev Bras Med 27:81-6, Feb 70 (Por)
[Suppressive effect of Ambilhar (1-(5-nitro-2-thiazolyl)-2-imidazolidinone) on experimental infection of mice by Schizotrypanum cruzi. I. Initial findings] Velásquez-Antich A.
Rev Inst Med Trop Sao Paulo 12:347-53, Sep-Oct 70 (Por)
[Treatment of acute Chagas-Mazza disease] Braverman J. Arch Argent Pediatr 68:373-4, Dec 70 (Spa)

ETIOLOGY

Histology of Rhodnius prolixus infected with Trypanosoma rangeli. Watkins R.
J Invertebr Pathol 17:59-66, Jan 71

IMMUNOLOGY

Immunoglobulin studies in serum of patients with American trypanosomiasis (Chagas' disease). Leichuk R, et al. Clin Exp Immunol 6:547-55, Apr 70
Immunoglobulins in Chagas' disease. Marsden PD, et al.
J Trop Med Hyg 73:157-61, Jul 70
South American Trypanosomiasis (Chaga's disease) within the concepts of immunopathology. Muniz J, et al.
Rev Bras Malariol Doencas Trop 22:281-354, Apr-Dec 70
Protective cross-immunity between Trypanosoma cruzi and T. lewisi. Kloetzel J, et al.
Rev Inst Med Trop Sao Paulo 13:31-6, Jan-Feb 71
The effect of immuno-depression due to neonatal thymectomy on infections with Trypanosoma cruzi in mice. Schmunis GA, et al.
Trans R Soc Trop Med Hyg 65:89-94, 1971
[American trypanosomiasis (Chagas' disease in the immunopathology concept)] Muniz J, et al.
Rev Bras Malariol Doencas Trop 22:355-410, Apr-Dec 70 (Por)
[Recovery and characterization of trypanosomas inoculated into immune animals (re-inoculation with different strains of T. cruzi)] Andrade SG, et al.
Rev Inst Med Trop Sao Paulo 12:395-402, Nov-Dec 70 (Por)
[Immunological diagnosis of Chagas' disease. Serological development of patients with Chagas' disease] Cerisola JA, et al.
Rev Inst Med Trop Sao Paulo 12:403-11, Nov-Dec 70 (Por)

METABOLISM

[Occurrence of Trypanosoma cruzi in the milk of infected mice] Disko R, et al.
Z Tropenmed Parasitol 22:56-66, Mar 71 (Ger)

MICROBIOLOGY

American trypanosomiasis in British Honduras. 8. The morphogenesis of Trypanosoma (Schizotrypanum) cruzi in the tissues of animals experimentally infected with British Honduras strains of the parasite. Petana WB. Ann Trop Med Parasitol 65:21-4, Mar 71
American trypanosomiasis in British Honduras. XI. Observation on the viability and morphology of Trypanosoma sigmodoni Culbertson 1941, in vitro. Petana WB. Ann Trop Med Parasitol 65:179-83, Jun 71

MORTALITY

Effect of the interferon stimulator polyinosinic-polycytidylic acid on experimental Trypanosoma cruzi infection. Kumar R, et al.
Proc Soc Exp Biol Med 137:884-8, Jul 71

OCCURRENCE

Enemies of Triatoma dimidiata Latreille, 1811 in an endemic area of Chagas' disease in Costa Rica (Hemiptera, Reduviidae). Zeledón R, et al.
J Med Entomol 7:722-4, Dec 70
[Ecological aspects of American trypanosomiasis. I. Findings of Panstrongylus megistus and its relation to the natural foci of the infection, in the urban area of São Paulo city, Brazil] Forattini OP, et al.
Rev Saude Publica 4:19-30, Jun 70 (Por)
[Human and animal Chagas' infection in dwellings previously sprayed with insecticides] Pérez C, et al.
Bol Chil Parasitol 25:33-6, Jan-Jun 70 (Spa)
[Infection by Trypanosoma cruzi in man versus Chagas' disease in Tibu, North of Santander, Colombia] Sánchez G, et al.
Bol Of Sanit Panam 70:463-71, May 71 (Spa)
[Another human case of Chagas' disease in Jalisco, Mexico. Clinical and epidemiological study] Velasco Castrejón O, et al.
Prensa Med Mex 35:438-40, Nov-Dec 70 (Spa)
[Chagas' disease in Mexico. I. Epidemiological findings in Tepechitlan, Zacatecas] Velasco-Gastrejón O, et al.
Rev Invest Salud Publica 30:197-204, Jul-Sep 70 (Spa)

PATHOLOGY

South American Trypanosomiasis (Chaga's disease) within the concepts of immunopathology. Muniz J, et al.
Rev Bras Malariol Doencas Trop 22:281-354, Apr-Dec 70
[American trypanosomiasis (Chagas' disease in the immunopathology concept)] Muniz J, et al.
Rev Bras Malariol Doencas Trop 22:355-410, Apr-Dec 70 (Por)
[The carotid body in Chagas' disease] Alcântara FG de.
Rev Bras Med 27:291-6, Jun 70 (Por)
[Heart weight and type of death in the patient with chronic Chagas' disease] Lopes ER, et al.
Rev Inst Med Trop Sao Paulo 12:293-7, Sep-Oct 70 (Por)
[Comparative study of subepicardiac ganglia in chronic Chagas', rheumatic and hypertensive heart diseases] Lopes ER.
Rev Inst Med Trop Sao Paulo 12:365-74, Nov-Dec 70 (Por)
[On the behavior of the neurosecretory vesicular component of the mega-esophagus in human trypanosomiasis cruzi] Tafuri WL, et al.
Rev Inst Med Trop Sao Paulo 12:298-309, Sep-Oct 70 (Por)

PHYSIOPATHOLOGY

[Esophageal disorders in Chagas' disease] Minoprio JL, et al. Hospital (Rio de J) 78:835-48, Sep 70 (Por)

PREVENTION & CONTROL

Essays on immunization of mice with ultraviolet radiated virulent and avirulent culture forms of Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 12:310-9, Sep-Oct 70
Resistance tests for triatomid bugs, vectors of Chagas's disease. Cockburn JM, et al.
Trans R Soc Trop Med Hyg 64:478, 1970
[Current status of vaccination in Chagas' disease] Fernandes JF. Rev Bras Med 27:363-70, Jul 70 (Por)
[Histological lesions of the heart in dogs vaccinated with an avirulent strain of Trypanosoma cruzi] Menezes H. Rev Bras Med 26:281-3, May 69 (Por)
[Residual house infestation by Triatoma infestans] Forattini OP, et al.
Rev Saude Publica 5:17-21, Jun 71 (Por)
[Control of Chagas' disease in the municipality of Bariri, State of São Paulo] Maluf J, et al.
Rev Saude Publica 4:7-12, Jun 70 (Por)
[Chagas' disease. Entomological surveillance activities developed in an area of the State of São Paulo, Brazil] Rocha e Silva EO da, et al.
Rev Saude Publica 4:129-45, Dec 70 (Por)
[Control of Triatoma infestans in rural dwellings by spraying isopropoxyphenyl-n-methylcarbamate (OMS.33)] Schenone H, et al.
Bol Chil Parasitol 25:143-6, Jul-Dec 70 (Spa)
[Vaccination in the treatment of Chagas' disease. Congress of Tropical Medicine (preliminary report)] Santana ET.
Hospital (Rio de J) 77:1979-85, Jun 70 (Spa)

VETERINARY

[On wild reservoirs and vectors of Trypanosoma cruzi. XLIV. Natural infection of the field fox, Dusicyon (Lycalopex) vetulus (Lang, 1842) by T. cruzi] Albuquerque RD, et al.
Rev Inst Med Trop Sao Paulo 12:375-82, Nov-Dec 70 (Por)
[Wild reservoirs and vectors of Trypanosoma cruzi. XL. Natural infection of the monkey, Callithrix argentata melanura (Geoffroy, 1812) by T. cruzi] Albuquerque RD, et al.
Rev Inst Med Trop Sao Paulo 12:121-8, Mar-Apr 70 (Por)
[Human and animal Chagas' infection in dwellings previously sprayed with insecticides] Pérez C, et al.
Bol Chil Parasitol 25:33-6, Jan-Jun 70 (Spa)

TRYPARSAMIDE (D7)

PHARMACODYNAMICS

Resistance of Trypanosoma evansi to quinapyramine, suramin, stilbamidine and tryparsamide and analysis of cross-resistance. Gill BS.
Trans R Soc Trop Med Hyg 65:352-7, 1971

THERAPEUTIC USE

Study of immunity to Trypanosoma evansi following drug cure of the infection. Gill BS.
Ann Soc Belg Med Trop 51:215-9, 1971
[Treatment of sleeping sickness. Results in the Tete district] Neves J.
An Esc Naci Saude Publica Med Trop (Lisb) 4:229-47, Jan-Dec 70 (Por)

TRYPSIN (D9)

Matrix-bound enzymes. I. The use of different acrylic copolymers as matrices. Mosbach K.
Acta Chem Scand 24:2084-92, 1970
Trypsin digestion and bleaching for studying the vasculature and myelinated nerves of the pig iris. Saari M. Acta Ophthalmol (Kbh) 49:16-33, 1971
Trypsin digest study of retinal metastasis and tumor cell emboli. Levy RM, et al.
Am J Ophthalmol 70:778-82, Nov 70
Standardization of human diploid fibroblast cultivation: trypsinization procedure. Litwin J.
Appl Microbiol 21:169-74, Feb 71
On the mechanism of action of proteolytic inhibitors. IV. Effect of 8 M urea on the stability of trypsin in trypsin-inhibitor complexes. Levilliers N, et al.
Arch Biochem Biophys 140:474-83, Oct 70
Active-site-directed phenacyl halides inhibitory to trypsin. Schroeder DD, et al.
Arch Biochem Biophys 142:340-50, Jan 71
The tryptic digestion of spin-labelled heavy meromyosin. Seidel JC, et al.
Arch Biochem Biophys 142:223-30, Jan 71
Experimental glomerulonephritis induced by minimal doses of trypsin. Giacobino JP, et al.
Arch Pathol 91:193-200, Mar 71
Effect of trypsin treatment of Mg-activated actomyosin ATPase activity in different types of skeletal muscle fibers. Furukawa T, et al.
Biochem Biophys Res Commun 43:1354-61, 18 Jun 71
Substrate activation in the trypsin-catalyzed hydrolysis of benzoyl-L-arginine p-nitroanilide. Nakata H, et al.
Biochem Biophys Res Commun 41:393-400, 23 Oct 70
Modification of carboxyl groups in the binding sites of trypsin with the Meerwein reagent. Nakayama H, et al.
Biochem Biophys Res Commun 40:537-41, 11 Aug 70
Guanidination of the Bowman-Birk soybean inhibitor: evidence for the tryptic hydrolysis of peptide bonds involving homoarginine. Seidl DS, et al.
Biochem Biophys Res Commun 43:1101-7, 19 Mar 71
The significance of an unique pH-profile for trypsin

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

catalysis. Stewart JA, et al.
Biochem Biophys Res Commun 42:1220-7, 19 Mar 71
Properties of an insoluble form of trypsin. Glassmeyer CK, et al. Biochemistry 10:786-92, 2 Mar 71
Creatine kinase. The relationship of trypsin susceptibility to substrate binding. Jacobs G, et al. Biochemistry 7:143-51, Jan 68
Activation of trypsin. Specificity and structure of effector molecules. Kallen-Trummer V, et al. Biochemistry 9:3580-4, 1 Sep 70
Activity and fluorescent derivatives of aminotyrosyl trypsin and trypsinogen. Kenner RA, et al. Biochemistry 10:551-7, 16 Feb 71
Thermodynamics of the hydrophobic interaction in the active center of trypsin. Investigation with amidines and guanidines. Mares-Guia M, et al. Biochemistry 9:3223-7, 4 Aug 70
Insolubilized trypsin with activity in 8 M urea. Gabel D, et al. Biochim Biophys Acta 214:561-3, 29 Sep 70
An effect of trypsin on the actin-myosin interaction. Goll DE, et al. Biochim Biophys Acta 226:433-52, 2 Mar 71
Purification and reoxidation of a low-sulphur protein prepared by limited trypsin digestion of reduced wool. Hilburn ME, et al. Biochim Biophys Acta 214:245-7, 27 Jul 70
The preparation of trypsin chemically attached to nylon tubes. Hornby WE, et al. Biochim Biophys Acta 220:343-5, 11 Nov 70
Effect of sodium dodecyl sulfate on circular dichroism of some nonhelical proteins. Jirgensons B, et al. Biochim Biophys Acta 214:1-5, 27 Jul 70
Tyrosine and tryptophan residues and amino groups in thrombin related to enzymic activities. Kotoku I, et al. Biochim Biophys Acta 214:490-7, 29 Sep 70
The hydrolysis of alpha-N-benzoyl-L-argininamide catalyzed by trypsin and acetyltrypsin. Dependence on pH. Spomer WE, et al. Biochim Biophys Acta 235:164-71, 14 Apr 71
Affinity chromatography of proteolytic enzymes. Uren JR. Biochim Biophys Acta 236:67-73, 27 Apr 71
Storage stability of water-insoluble enzymes convalently coupled to organic and inorganic carriers. Weetall HH. Biochim Biophys Acta 212:1-7, 15 Jul 70
Degradation of Escherichia coli polynucleotide phosphorylase by E. coli endogenous proteases and by trypsin. Thang MN, et al. Biochimie 53:291-302, 1971
Some enzymatic properties of trypsin after reaction with 1-dimethylaminonaphthalene-5-sulfonyl chloride. Franklin JG, et al. Can J Biochem 49:516-21, May 71
Effect of N-methylation and chain length on kinetic constants of trypsin substrates. Epsilon-N-methyllysine and homolysine derivatives as substrates. Seely JH, et al. Can J Biochem 48:1122-31, Oct 70
Proteolytic enzymes. II. Studies on the requirement for the active center of trypsin with amidinobenzoates as substrates. Tanizawa K, et al. Chem Pharm Bull (Tokyo) 18:2247-52, Nov 70
Proteolytic enzymes. 3. Trans-4-aminomethylcyclohexane-1-carboxylic acid derivatives as substrates and an active site titrant of trypsin. Tanizawa K, et al. Chem Pharm Bull (Tokyo) 18:2346-8, Nov 70
Effects of enzymatic and chemical digestion on the immunological reactivity of human chorionic somatomammotropin. Beck C, et al. Endocrinology 88:777-82, Mar 71
Chemical fixation of enzymes to cyanogen halide activated polysaccharide carriers. Axén R, et al. Eur J Biochem 18:351-60, 1 Feb 71
Kinetics of structural transitions induced by pH changes. Experiments on pancreatic proteins. Bellon BR, et al. Eur J Biochem 17:43-8, Nov 70
Modification of methionyl-tRNA synthetase by proteolytic cleavage and properties of the trypsin-modified enzyme. Cassio D, et al. Eur J Biochem 20:283-300, 28 May 71
Experimental autoimmune encephalomyelitis. Digestion of basic protein of human myelin with cyanogen bromide and trypsin. Carnegie PR, et al. Immunology 19:55-63, Jul 70
The effect of protein precipitants on alpha-chymotrypsin and other enzymes. Saidel LJ, et al. Indian J Biochem 7:157-61, Sep 70
Acute hemorrhagic pancreatitis. An experimental technique for producing the disease in canines. Khedroo LG, et al. Int Surg 54:348-52, Nov 70
Structure and activity of diphtheria toxin. II. Attack by trypsin at a specific site within the intact toxin molecule. Drazin R, et al. J Biol Chem 246:1504-10, 10 Mar 71
Identification of essential carboxyl groups in the specific binding site of bovine trypsin by chemical modification. Eyl AW Jr, et al. J Biol Chem 246:738-46, 10 Feb 71
S-carboxymethylcysteine from the photolysis of diazoacyl trypsin and chymotrypsin. Hexter CS, et al. J Biol Chem 246:3934-8, 25 Jun 71
The involvement of tyrosyl and amino groups in the interaction of trypsin and a soybean trypsin inhibitor. Papaioannou SE, et al. J Biol Chem 245:4931-8, 10 Oct 70
Studies of an anionic trypsinogen and its active enzyme from porcine pancreas. Voytek P, et al. J Biol Chem 246:508-16, 25 Jan 71
The basic trypsin inhibitor of bovine pancreas. XI. Sequence of tryptic cleavages in an artifically prepared temporary inhibitor. Wilson KA, et al. J Biol Chem 246:3555-61, 10 Jun 71
Degradation of glucose 6-phosphate dehydrogenase into enzymatically active molecular forms by trypsin. Hori SH, et al. J Histochem Cytochem 19:299-303, May 71
Enhancement of tryptic esterase activity. Holler E. J Theor Biol 32:415-24, Aug 71
Activation of trypsin by anti-inflammatory drugs. Brown JH, et al. Proc Soc Exp Biol Med 135:796-9, Dec 70
[Identification in the semi micromole scale of peptides of trypsinogen activation] Schyns R. Arch Int Physiol Biochim 78:415-26, Apr 70 (Fre)
[Experimental thromboses in the isolated eye] Regnault F, et al. Bull Mem Soc Fr Ophtalmol 82:162-9, 1969 (Fre)
[Solubilization of electric organ acetylcholinesterase from eels. Action of trypsin] Massoulié J, et al. Eur J Biochem 14:430-9, Jul 70 (Fre)
[Tryptic hydrolysis of amino acid derivatives not substituted at alpha. Function of pH] Seydoux F. Eur J Biochem 17:209-17, Dec 70 (Fre)
[Yeast phosphofructokinase. Action of trypsin on the allosteric properties and on the molecular state of the enzyme] Freyer R, et al. Eur J Biochem 17:386-92, Dec 70 (Ger)
[Fixation of proteolytic enzymes on polymethacrylic acid anhydride] Conte A, et al. Hoppe Seylers Z Physiol Chem 352:533-41, Apr 71 (Ger)
[Clinical studies on pituitary growth hormone. 3. Effects of tryptic digests of bovine growth hormone to human subjects] Isobe I. Jap Arch Intern Med 17:271-8, Sep 70 (Jap)
[Binding of protomer enzyme with substrates and inhibitors--conformational changes by binding of inhibitors] Hamaguchi K. Protein Nucleic Acid Enzyme (Tokyo) 15:1271-80, Nov 70 (30 ref.) (Jap)
[New method of determination of salivary proteolytic activity using a synthetic trypsin substrate] Potoczek S, et al. Czas Stomatol 24:715-9, Jul 71 (Pol)
[Study of protein heat denaturation by biwave recording of changes in their ultraviolet fluorescence spectrum] Turoverov KK, et al. Biofizika 15:965-72, Nov-Dec 70 (Rus)
[Interaction of 4 active forms of trypsin with specific substrate and pancreatic inhibitor] Berezin IV, et al. Biokhimiia 35:983-8, Sep-Oct 70 (Rus)
[Determination of the equilibrium constant for the reaction between trypsin and trypsin inhibitor from cattle lung tissue] Berezin IV, et al. Biokhimiia 35:261-9, Mar-Apr 70 (Rus)
[Kinetics of the hydrolysis reaction catalyzing alpha-chymotrypsin and trypsin in the presence of added nucleophilic agents] Berezin IV, et al. Biokhimiia 36:106-17, Jan-Feb 71 (Rus)
[Study of the interaction of trypsin with protein inhibitors by the method of tritium-hydrogen metabolism] Chepyzheva MA, et al. Biokhimiia 36:369-75, Mar-Apr 71 (Rus)
[Rate of hydrolysis of alpha s-, beta- and kappa-caseins by trypsin and chymotrypsin and the action of denaturating factors on the enzymatic hydrolysis of kappa-casein] Chernikov MP, et al. Biokhimiia 35:463-9, May-Jun 70 (Rus)
[Hydrolysis by trypsin of esters of N-(alpha)-substituted derivatives of arginine] Iurganova LG, et al. Biokhimiia 35:493-8, May-Jun 70 (Rus)
[Optical rotatory dispersion of trypsin, pancreatic trypsin inhibitor and their complex] Kazanskaia NF, et al. Biokhimiia 36:187-90, Jan-Feb 71 (Rus)
[The kinetics of trypsin activity inhibition by a heat and acid-stable inhibitor in rabbit serum] Nartikova VF, et al. Biokhimiia 35:187-95, 1970 (Rus)
[Interaction of Pb2+ cations with the carboxyl group of the active center of trypsin and alpha-chymotrypsin proteolytic enzymes] Savin IuV, et al. Dokl Akad Nauk SSSR 197:717-20, 21 Mar 71 (Rus)
[Acceleration of chlorophyll b formation and chlorophyll a labilization during trypsin hydrolysis of chloroplast proteins] Shlyk AA, et al. Dokl Akad Nauk SSSR 194:715-8, 1970 (Rus)
[Differences in serum albumin resistance to heat and to trypsin in 2 species of frogs differing in thermophilic habit] Vitvitskif VN. Dokl Akad Nauk SSSR 194:950-2, 1 Oct 70 (Rus)
[Enzymatic hydrolysis and the degree of dispersion of alpha S-casein following denaturation] Chernikov MP, et al. Vopr Med Khim 16:200-4, Jul-Aug 70 (Rus)
[Susceptibility of proteins of new food products to attack by proteolytic enzymes] Sionimskif GL, et al. Vopr Pitan 29:25-31, Nov-Dec 70 (Rus)
[Study of tryptic and chymotryptic hydrolysis of casein and its components by automatic titration] Stan Ela, et al. Vopr Pitan 29:16-21, Sep-Oct 70 (Rus)

ADMINISTRATION & DOSAGE

Clinical evaluation of the efficacy of oral trypsin in reducing edema postoperatively in foot surgery: a preliminary study. Korbel AB. J Am Podiatry Assoc 60:469-75, Dec 70
[Analgesic-enzymatic combination in gynecologic and obstetric surgery] Martins AD, et al. Hospital (Rio de J) 77:2089-99, Jun 70 (Por)
[Hemorrhoids: a new pathogenic and medical therapy] D'arrigo C. Rev Bras Med 27:424-6, Aug 70 (Por)
[Pathology and oral therapy of the hemorrhoidal syndrome] Aran Suau R, et al. Rev Esp Enferm Apar Dig 33:253-8, 15 Jan 71 (Spa)
[The effect of proteolytic enzymes on postoperative hematomas] Rimsten A. Lakartidningen 68:2381-7, 12 May 71 (Swe)

ANALYSIS

Phosphorescence studies of environmental heterogeneity for tryptophyl residues in proteins. Purkey RM, et al. Biochemistry 9:3569-75, 1 Sep 70
Radioimmunoassay of enzymes of the exocrine pancreas (trypsin, chymotrypsin, chymotrypsinogen). Temler RS, et al. Biochim Biophys Acta 236:78-83, 27 Apr 71
Proteolytic enzymes. V. Further application of p-nitrophenyl p-amidinobenzoate as a titrant of trypsin. Tanizawa K, et al. Chem Pharm Bull (Tokyo) 18:2571-3, Dec 70
Detection and determination of alpha 2-macroglobulin trypsin activity in pleural fluids and ascites. Bieth J, et al. Enzyme 12:13-24, 1971
Trypsin and chymotrypsin determinations in human duodenal aspirate under the influence of continuous secretin-pancreozymin stimulation as an aid in the diagnosis of pancreatic disease. Goldberg DM, et al. J Clin Pathol 24:473, Jul 71
Specific immunoassay for quantitative determination of human trypsin in intestinal content. Shapira E, et al. J Lab Clin Med 77:877-84, May 71
Electrophoretic detection of multiple forms of trypsin-like activity in spermatozoa of the domestic fowl. Ho JJ, et al. J Reprod Fertil 23:177-9, Oct 70
[Activity of trypsin and chymotrypsin in relation to the total proteolytic activity of pancreatin according to the Czechoslovak pharmacopoeia 3 (Ph.Bs.3)] Libicky A, et al. Cesk Farm 20:18-22, Jan 71 (Cze)
[Specific partial volume of trypsin of cattle and swine] Jullien-Baynet M. C R Acad Sci [D] (Paris) 272:1440-2, 8 Mar 71 (Fre)
[Application of sequential statistical procedures to the study of enzymatic concentrations of human normal pancreatic juice] Schmidt B, et al. C R Soc Biol (Paris) 164:1813-8, 1970 (Fre)
[The evolution of endopeptidases. 13. Biochemical and immunological studies on trypsin and a low-molecular protease from the decapode Carcinus maenas L.] Herbold D, et al. Hoppe Seylers Z Physiol Chem 352:583-92, Apr 71 (Ger)
[On the determination of trypsin and chymotrypsin activity in the feces of dogs and their significance in the diagnosis of chronic exocrine pancreatic insufficiency] Freudiger U, et al. Schweiz Arch Tierheilkd 113:189-83, Apr 71 (Ger)
[Studies on separative determination of enzymes. V. On the separative determination of alpha-chymotrypsin and trypsin. (Studies on enzyme preparations. LII3)] Sugiura M, et al. J Pharm Soc Jap 90:1262-6, Oct 70 (Jap)

ANTAGONISTS & INHIBITORS

Proteolytic enzymes and biological inhibitors. II. Naturally occurring inhibitors in sera from different species and their effect upon proteolytic enzymes of various origin. Fossum K. Acta Pathol Microbiol Scand [B] 78:905-18, 1970
Interactions of Bacillus subtilis alkaline proteinases with alpha 2 -macroglobulin and alpha 1 -antitrypsin. Wicher V, et al. Int Arch Allergy Appl Immunol 40:779-88, 1971
Inhibition of Fusiformis nodosus protease and bovine trypsin by serum alpha macroglobulin. Merritt GC, et al. J Comp Pathol 81:353-8, Jul 71
Experimental biliary pancreatitis in dogs. VI. Effect of proteinase inhibitors and stabilizers of dog serum fractions on the pancreatitic and commercial proteinases. Herva P, et al. Scand J Gastroenterol 5:Suppl 8:53-60, 1970
[Alpha-1 antitrypsin deficiency and obstructive pulmonary disease] Gemtesi T, et al. Orv Hetil 111:2309-12, 27 Sep 70 (Hun)

BLOOD

Trypsin activity of haemophilic blood. Gardikas C, et al. Acta Haematol (Basel) 44:161-3, 1970
[Inhibitory capacity of the serum toward proteolytic enzymes during massive hemorrhage and in the pathogenesis of shock] Duck HJ, et al. Z Gesamte Inn Med 26:Suppl:147-51, 15 Jun 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Trypsin--how to read its figures] Honjo J, et al. Jap J Clin Med 29:Suppl:662-9, Jan 71 (43 ref.) (Jap)
[Role of proteolytic and treatment of nephritis] Poliantseva LR, et al. Vestn Akad Med Nauk SSSR 25:7-11, 1970 (Rus)

DIAGNOSTIC USE

[Possibility of improving cytological diagnosis by applying trypsin on lesions of the cervix uteri suspected of malignancy] Kiricuta I, et al. Rev Fr Gynecol Obstet 63:91-4, Mar 68 (Fre)

ISOLATION & PURIFICATION

Enzyme and bacteriophage concentration by membrane filtration. Wang DI, et al. Anal Biochem 26:377-87, Nov 68
Isolation of trypsins by affinity chromatography. Robinson NC, et al. Biochemistry 10:2743-7, 6 Jul 71
Amino acid sequence of lima bean protease inhibitor component IV. 1. Isolation and sequence determination of the tryptic peptides. Tan CG, et al. Eur J Biochem 18:503-14, Feb 71
Removal of chymotrypsin activity from crystalline trypsin and its investigation. Jentsch J. J Chromatogr 57:450-4, 19 May 71
On the endogenous mechanism of kinin release. II. Attempts at discriminating kininogens. Habermann E, et al. Naunyn Schmiedebergs Arch Pharmakol 269:101-11, 1971
[Molecular properties of trypsin in the presence of acetate, oxalate, succinate and malate ions] Porceili G, et al. Farmaco [Prat] 25:501-3, Aug 70 (Ita)

METABOLISM

Elimination of 125-I-trypsin alpha-macroglobulin complexes from blood by reticuloendothelial cells in dogs. Ohlsson K. Acta Physiol Scand 81:269-72, Feb 71
Isolation and partial characterization of two related trypsin binding alpha-macroglobulins of dog plasma. Ohlsson K. Biochim Biophys Acta 236:84-91, 27 Apr 71
The effect of trypsin inhibitors on pancreatopeptidase E, trypsin, chymotrypsin and amylase in the pancreas and intestinal tract of chicks receiving raw and heated soya-bean diets. Gertler A, et al. Br J Nutr 24:893-904, Dec 70
Pancreas size and trypsin and chymotrypsin activities in the pancreas and intestinal contents of pigs from birth to 5 weeks of age. Gorrill AD, et al. Can J Physiol Pharmacol 48:745-50, Nov 70
Fecal chymotrypsin and trypsin determinations. Smith JS, et al. Can Med Assoc J 104:691-4 passim, 17 Apr 71
The interaction of trypsin and chymotrypsin with intestinal cells in man and several animal species. Goldberg DM, et al. Comp Biochem Physiol 38:697-706, 15 Apr 71
On the absorption of pancreatic enzymes from the intestine in man. Goldberg DM, et al. Digestion 3:285-93, 1970
Failure of trasylol to reduce intestinal content of trypsin and chymotrypsin in man. Goldberg DM, et al. Gut 11:697-9, Aug 70
The specific inactivation of trypsin by ethyl p-guanidinobenzoate. Mares-Guia M, et al. J Biol Chem 242:5782-8, 25 Dec 67
Studies on the active center of trypsin. Further characterization of the hydrophobic binding site. Mares-Guia M, et al. J Biol Chem 242:5777-81, 25 Dec 67
Trypsin and chymotrypsin during metamorphosis in Aedes aegypti and properties of the chymotrypsin. Yang YJ, et al. J Insect Physiol 17:117-31, Jan 71
The intracellular localization of kallikrein, trypsin and amylase in dog pancreas. Bhoola KD, et al. J Physiol (Lond) 214:553-70, May 71
[The role of trypsin in the secondary manifestations of acute hemorrhagic pancreatitis] Simon G, et al. Can Med Assoc J 105:32-5 passim, 10 Jul 71 (Fre)
[Demonstration and characterization of complexes formed between the A (IgA) immunoglobulins of human colostrum and trypsin and chymotrypsin] Counitchansky Y, et al. Clin Chim Acta 30:83-92, Oct 70 (Fre)
[Changes in the intestinal activity of trypsin through bivalent cations and their determination by means of appendix coccidiosis] Zucker H, et al. Z Tierphysiol 22:323-37, Jul 67 (Ger)
[The nature of pancreatitis in dogs losing pancreatic juice and the participation of pancreatic juice components in regulating serum protein composition] Fenina EP. Fiziol Zh SSSR 56:671-5, Apr 70 (Rus)
[The influence of electrophoresis on the penetration and distribution of trypsin into dental tissues and periodontium in experimental periodontitis (radioisotope studies)] Izvekova ND, et al. Stomatologiia (Mosk) 49:11-4, Nov-Dec 70 (Rus)

PHARMACODYNAMICS

Modification of chromatin by trypsin. Toczko K, et al. Acta Biochim Pol 18:31-8, 1971
The fine structure of perinotochordal microfibrils in control and enzyme-treated chick embryos. Frederickson RG, et al. Am J Anat 130:347-75, Mar 71
Evidence for a change in certain properties of vaccinia virus after trypsinization: heat inactivation or removal of a postulated trypsin-sensitive inhibitor on virions. Graves IL. Am J Vet Res 32:775-82, May 71
Standardization of human diploid fibroblast cultivation: trypsinization procedure. Litwin J. Appl Microbiol 21:169-74, Feb 71
Effect of physical and chemical treatment on the buoyant density of reovirus. Engler R, et al. Arch Gesamte Virusforsch 32:329-36, 1970
The effect of trypsin and heat treatment on oxidative phosphorylation in Mycobacterium phlei. Bogin E, et al. Biochem Biophys Res Commun 41:995-1001, 25 Nov 70
The release of radioactive nucleic acids and mucoproteins by trypsin and ethylenediaminetetra-acetate treatment of baby-hamster cells in tissue culture. Snow C, et al. Biochem J 119:707-14, Oct 70
Comparative action of various kininogenases on crude horse plasma substrates. Budnitskaya P, et al. Biochem Pharmacol 19:2083-90, Jun 70
Kinins released from horse heat-acid-denaturated plasma by plasmin, plasma kallikrein, trypsin and Bothrops kininogenase. Gapanhuk E, et al. Biochem Pharmacol 19:2091-6, Jun 70
The effect of enzyme treatment upon the resorption of scapular implants. Irving JT, et al. Calcif Tissue Res 5:64-9, 1970
Action of alpha chymotrypsin, trypsin and certain specific activators on human plasminogen. Hakim AA. Enzymologia 40:15-36, 31 Jan 71
Catalytic activity of trypsin with an acylated "active" serine. Bresler SE, et al. Eur J Biochem 18:131-9, 1 Jan 71
Surface morphology of trypsinized human cells in vitro. Dalen H, et al. Exp Cell Res 66:353-61, Jun 71
Synchronized beating of myocardial cells mediated by FL cells in monolayer culture and its inhibition by trypsin-treated FL cells. Goshima K. Exp Cell Res 65:161-9, Mar 71
Stimulation of protein synthesis in unfertilized sea urchin and sand dollar eggs treated with trypsin. Hand GS Jr. Exp Cell Res 64:204-8, Jan 71
Taenia hydatigena. II. Evagination of cysticerci and establishment in dogs. Featherston DW. Exp Parasitol 29:243-9, Apr 71
Effect of chemical, physical and enzymic treatments on lysosomes from AH-130 yoshida ascites hepatoma. Feo F, et al. Experientia 27:317-8, 15 Mar 71
On the role of ribonucleoproteins in proliferation and maturation processes in malignant mouse fibroblasts. Sharashidze LK, et al. Folia Histochem Cytochem (Krakow) 8:281-5, 1970
Trypsin emetine interaction and its effect on excystment of free living amoebae. Imam SA. Indian J Biochem 7:206-9, Sep 70
Determination of trypsin activity in human intestinal contents by hydrolysis of benzoyl-DL-arginine p-nitroanilide. Shapira E, et al. Isr J Med Sci 6:670-2, Sep-Oct 70
Myosin-like aggregates in trypsin-treated smooth muscle cells. Rosenbluth J. J Cell Biol 48:174-88, Jan 71
Modifications of the responses to antidiuretic hormone by hydrolytic enzymes. Cuthbert AW, et al. J Pharm Pharmacol 23:262-9, Apr 71
Effect of trypsin on viral susceptibility of Vero cell cultures--cercopithecus kidney line. Ito H, et al. Jap J Med Sci Biol 23:227-35, Aug 70
Effect of trypsin on morphological integrity and some functional activities of mitochondria from normal liver and AH-130 Yoshida ascites hepatoma. Feo F, et al. Life Sci [II] 9:1235-41, 8 Nov 70
Mechanism of action of thrombin on fibrinogen. I. Synthesis of fibrinogen-like peptides, and their proteolysis by thrombin and trypsin. Andreatta RH, et al. Proc Natl Acad Sci USA 68:253-6, Feb 71
Limited hydrolysis of cowpea chlorotic mottle virus by trypsin and chymotrypsin. Chidlow J, et al. Virology 43:267-78, Jan 71
[Phospholipase A1 and A2 activities of the pancreatic juice of man, rats and dogs. Activator effect of trypsin] Belleville J, et al. Biol Gastroenterol (Paris) 1:89-96, 1969 (Fre)
[The effect of synthetic trypsin inhibitors on the kinin-liberating effect of trypsin and pancreatic kallikrein] Markwardt F, et al. Acta Biol Med Ger 24:401-4, 1970 (Ger)
[Effect of various detachment procedures on the permeability and metabolism of permanent tissue culture cells] Averdunk R. Z Gesamte Exp Med 153:51-8, 1970 (Ger)
[Growth of Zajdela ascites hepatoma cells in vivo following treatment with trypsin and pronase in vitro] Krüger W, et al. Z Naturforsch [B] 26:169-70, Feb 71 (Ger)
[Fine structure of the digested retinal vessels] Fukuda M, et al. Acta Soc Ophthalmol Jap 75:471-84, 20 Jan 71 (Jap)
[On the proteolytic activity of pancreatin] Nagasawa K, et al. Bull Natl Inst Hyg Sci (Tokyo) 88:66-7, 1970 (Jap)
[Interaction between contractile action of low-molecular kininogen-like peptides on guinea pig ileum and trypsin] Kameyama T, et al. J Pharm Soc Jap 91:1-5, Jan 71 (Jap)
[Comparative experimental studies of dentin neo-formation under the action of calxyl paste and of alpha-chemotrypsine mixture] Csögör L, et al. Stomatologia (Bucur) 18:25-31, Jan-Feb 71 (Rum)
[Specificity of elimination by trypsin of dibenamine block of alpha-adrenoreceptors] Abramets II. Biull Eksp Biol Med 70:75-7, Nov 70 (Rus)
[Some properties of high molecular products of the trypsin fibrinogen hydrolysis] Belitser VA, et al. Ukr Biokhim Zh 42:165-74, 1970 (Ukr)
[Effect of ionic strength on the formation of products with antipolymerizing activity under tryptic fibrinogen hydrolysis] Gavrish IN. Ukr Biokhim Zh 42:631-8, 1970 (Ukr)
[Effect of tryptic hydrolysates of fibrin and fibrinogen on polymerization of monomer fibrin] Gavrish IN. Ukr Biokhim Zh 42:736-42, 1970 (Ukr)

RADIATION EFFECTS

Inactivation of trypsin by ultraviolet light as a function of wavelength and conformation. Ghiron CA, et al. Photochem Photobiol 12:433-7, Nov 70
The effects of -radiation on dilute solutions of trypsin. Lynn KR. Radiat Res 46:268-78, May 71

SECRETION

Assessing the exocrine pancreas by means of a test meal. Kajubi SK, et al. East Afr Med J 47:566-71, Nov 70
Chymotrypsin inhibitor stimulation of pancreatic enzyme secretion in the rat. Green GM, et al. Proc Soc Exp Biol Med 136:649-54, Feb 71
Further studies of the response to secretin and pancreozymin in man. Wormsley KG. Scand J Gastroenterol 6:343-50, 1971
A study of pancreatic enzymes as a factor in the pathogenesis of disseminated intravascular coagulation during acute pancreatitis. Kwaan HC, et al. Surgery 69:663-72, May 71
[Characterization of proteolytic enzymes secreted by intestinal glandular cells in 2 Annelidae Polychetae errantes] Michel C. Ann Histochim 15:19-24, Jan-Mar 70 (Fre)
[Change in the exocrine function of the pancreas following subtotal resection] Khalmatov AKh. Vestn Khir 104:41-4, Jun 70 (Rus)

THERAPEUTIC USE

Trial of Chymoral in professional footballers. Buck JE, et al. Br J Clin Pract 24:375-7, Sep 70
Comparative trial of Nutrizym in chronic pancreatic insufficiency. Knill-Jones RP, et al. Br Med J 4:21-4, 3 Oct 70
Treatment of sciatica due to intervertebral disc herniation with chymoral tablets. Gaspardy G, et al. Rheumatol Phys Med 11:14-9, Feb 71
The use of proteolytic enzymes (chymoral) in sporting injuries. Rathgeber WF. S Afr Med J 45:181-3, 13 Feb 71
[1st results of the intra-articular use of Zymofren (N.D.) in rheumatology] Boutelier D. Therapeutique 45:671-2, Jun-Jul 69 (Fre)
[Results of oral enzyme therapy in wounds of muscles, tendons and bones after accidents] Schwinger O. Wien Med Wochenschr 120:803-5, 5 Sep 70 (Ger)
[Use of a combination of proteolytic enzymes (trypsin and alpha-chymotrypsin) and tetracycline in pediatrics] Di Marco A. Clin Pediatr (Bologna) 52:33-45, Jan 70 (Ita)
[Combination of proteolytic enzymes and antibiotics in the therapy of chronic bronchial diseases] Mazza V, et al. Folia Med (Napoli) 52:565-78, Sep 69 (Ita)
[Enzyme therapy with trypsin and chymotrypsin in chronic obstructive bronchopneumopathies. Report of cases and personal observations] Zanotelli F, et al. Fracastoro 63:304-11, Sep-Oct 70 (Ita)
[Results of enzymotherapy in patients with suppurative lung diseases] Struchkov VI, et al. Grudn Khir 12:47-52, Jul-Aug 70 (Rus)
[Proteolytic enzymes in the treatment of thrombophlebitis of the extremities] Grigorian AV, et al. Khirurgiia (Mosk) 47:85-9, Feb 71 (Rus)
[The treatment of periodontitis by means of chemotrypsin-penicillin electrophoresis] Gorizontov VV, et al. Stomatologiia (Mosk) 50:78-9, May-Jun 71 (Rus)
[Clinico-roentgenological assessment of the treatment of chronic periodontitis by trypsin electrophoresis of root canals] Izvekova ND, et al. Stomatologiia (Mosk) 50:7-9, May-Jun 71 (Rus)
[Substitution therapy with pancreatic enzymes] Tillander H. Lakartidningen 68:325-32, 17 Feb 71 (Swe)

TOXICITY

[Leukocytosis caused by organic polycations in various experimental and clinical conditions] Lombardo G, et al. Clin Pediatr (Bologna) 51:682-98, Dec 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TRYPSIN INHIBITORS (D9)

Proteolytic enzymes and biological inhibitors. 3. Naturally occurring inhibitors in some animal and plant materials and their effect upon proteolytic enzymes of various origin. Fossum K.
Acta Pathol Microbiol Scand [B] 78:741-54, 1970
Proteolytic enzymes and biological inhibitors. IV. Bacterial proteinase inhibitors and their effect upon enzymes of various origin. Fossum K.
Acta Pathol Microbiol Scand [B] 78:755-9, 1970
Pathophysiology of hereditary emphysema. Stevens PM, et al. Ann Intern Med 74:672-80, May 71
Pulmonary blood flow in antitrypsin deficiency. Sullivan TJ. Ann Intern Med 74:145-6, Jan 71
Isolation and properties of a proteinase inhibitor of navy beans. Bowman DE.
Arch Biochem Biophys 144:541-8, Jun 71
On the mechanism of action of proteolytic inhibitors. IV. Effect of 8 M urea on the stability of trypsin in trypsin-inhibitor complexes. Levilliers N, et al.
Arch Biochem Biophys 140:474-83, Oct 70
Active-site-directed phenacyl halides inhibitory to trypsin. Schroeder DD, et al.
Arch Biochem Biophys 142:340-50, Jan 71
Further observations on substrate-derived chloromethyl ketones that inactivate trypsin. Shaw E, et al. Arch Biochem Biophys 139:298-305, Aug 70
Modification of trypsin by methyl meta-guanidiniumbenzenesulfonate fluoroborate. Jackson MB, et al.
Biochem Biophys Res Commun 39:1157-62, 1970
Guanidination of the Bowman-Birk soybean inhibitor: evidence for the tryptic hydrolysis of peptide bonds involving homoarginine. Seidl DS, et al.
Biochem Biophys Res Commun 42:1101-7, 19 Mar 71
Interaction of insoluble protein inhibitors with proteases. Feinstein G.
Biochim Biophys Acta 214:224-7, 27 Jul 70
On the role of hydroxyl-containing amino acids in trypsin inhibitors. Gorbunoff MJ.
Biochim Biophys Acta 221:314-25, 17 Nov 70
Effect of sodium dodecyl sulfate on circular dichroism of some nonhelical proteins. Jirgensons B, et al.
Biochim Biophys Acta 214:1-5, 27 Jul 70
Proteinase inhibitor in human tears. Kueppers F.
Biochim Biophys Acta 229:845-9, 23 Mar 71
The cause of pancreatic enlargement in rats fed raw soybean. Beswick IP, et al.
Br J Exp Pathol 52:252-5, Jun 71
Chronic bronchitis: a seldom noted manifestation of homozygous alpha 1 -antitrypsin deficiency. Falk GA, et al. Chest 60:166-9, Aug 71
Alpha-1-antitrypsin deficiency: heterozygosity, intermediate levels, and pulmonary disease. Guenter CA, et al. Chest 59:Suppl:16S+, May 71
Alpha-1-antitrypsin: 1. Evidence for two genes causing low concentrations in serum; 2. Association of heterozygosity and chronic obstructive lung disease. Kueppers F. Chest 59:Suppl:15S+, May 71
Pathophysiology of the pulmonary circulation in emphysema associated with alpha antitrypsin deficiency. Stein PD, et al.
Circulation 43:227-39, Feb 71
Fractionation and properties of the protease inhibitors of effusions. Bieth J, et al.
Clin Chim Acta 30:621-6, Dec 70
Properties of a human seminal plasma inhibitor for trypsin. Hirschhäuser C, et al.
Fertil Steril 22:360-6, Jun 71
Alpha-1-antitrypsin: physiology, genetics and pathology. Kueppers F.
Humangenetik 11:177-89, 1971 (81 ref.)
Complexes formed in vivo between immunoglobulin light chain kappa, prealbumin and-or alpha-1-antitrypsin in myeloma sera. Laurell CB.
Immunochemistry 7:461-5, May 70
The action of proteolytic enzymes and trypsin inhibitors upon the complement system. Muschel LH, et al. Immunochemistry 7:673-6, Jul 70
Proteolytic enzymes. VI. Aromatic amidines as competitive inhibitors of trypsin. Tanizawa K, et al.
J Biochem (Tokyo) 69:893-9, May 71
The primary structure of the porcine pancreatic secretory trypsin inhibitor. I. Amino acid sequence of the reduced S-aminoethylated protein. Bartelt DC, et al. J Biol Chem 246:2218-29, 10 Apr 71
The involvement of tyrosyl and amino groups in the interaction of trypsin and a soybean trypsin inhibitor. Papaioannou SE, et al.
J Biol Chem 245:4931-8, 10 Oct 70
The basic trypsin inhibitor of bovine pancreas. XI. Sequence of tryptic cleavages in an artifically prepared temporary inhibitor. Wilson KA, et al.
J Biol Chem 246:3555-61, 10 Jun 71
A case for diagnosis. Gilday DL, et al.
J Can Assoc Radiol 22:110-2, Mar 71
Standardization of the delta-endotoxin produced by several varieties of Bacillus thuringiensis. 1. Enzyme kinetics of trypsin-azoalbumin-delta-endotoxin system. Faust RM, et al.
J Econ Entomol 64:610-5, Jun 71
Standaridization of the delta-endotoxin produced by several varieties of Bacillus thuringiensis. 2. Enzyme inhibition (In 50) (In 50) as a method of standardizing commercial preparations on the delta-endotoxin. Faust RM, et al. J Econ Entomol 64:615-21, Jun 71
Nutritional effects induced in rats by feeding natural and synthetic trypsin inhibitors. Kakade ML, et al.
J Nutr 100:1003-8, Aug 70
Symptomatic pulmonary emphysema in childhood associated with hereditary alpha-1-antitrypsin and elastase inhibitor deficiency. Talamo RC, et al.
J Pediatr 79:20-6, Jul 71
Alpha-1-antitrypsin deficiency and disease. Alper CA, et al. Pediatrics 46:837-40, Dec 70 (19 ref.)
Emphysema associated with a deficiency in alpha-1-antitrypsin globulin: case presentation and review of the literature. Boggs PB, et al.
South Med J 64:428-30, Apr 71
[Alpha-1-antitrypsin] Jensen K.
Ugeskr Laeger 132:2167-70, 12 Nov 70 (57 ref.) (Dan)
[Repeated respiratory manifestations in a 3-year-old child. Possible role of alpha-1-antitrypsin deficiency of heterozygote type] Feigelson J, et al.
Ann Pediatr (Paris) 18:228-34, 2 Mar 71 (Fre)
[Deficiency of alpha-1-antitrypsin and chronic respiratory insufficiency] Uzzan D, et al.
Poumon Coeur 27:95-9, 1971 (Fre)
[Chronic familial bronchopneumopathies and homozygotic deficiency of alpha-1-antitrypsin] Vidal J, et al. Poumon Coeur 27:79-94, 1971 (Fre)
[Binding of protomer enzyme with substrates and inhibitors--conformational changes by binding of inhibitors] Hamaguchi K.
Protein Nucleic Acid Enzyme (Tokyo) 15:1271-80, Nov 70 (30 ref.) (Jap)
[Interaction of 4 active forms of trypsin with specific substrate and pancreatic inhibitor] Berezin IV, et al.
Biokhimiia 35:983-8, Sep-Oct 70 (Rus)
[Determination of the equilibrium constant for the reaction between trypsin and trypsin inhibitor from cattle lung tissue] Berezin IV, et al.
Biokhimiia 35:261-9, Mar-Apr 70 (Rus)
[Study of the interaction of trypsin with protein inhibitors by the method of tritium-hydrogen metabolism] Chepyzheva MA, et al.
Biokhimiia 36:369-75, Mar-Apr 71 (Rus)
[Optical rotatory dispersion of trypsin, pancreatic trypsin inhibitor and their complex] Kazanskaia NF, et al. Biokhimiia 36:187-90, Jan-Feb 71 (Rus)
[Purification of peptide hydrolases using insoluble protein inhibitors] Mosolov VV, et al.
Biokhimiia 35:440-7, May-Jun 70 (Rus)
[Interruption of proteolysis using insoluble inhibitors] Mosolov VV, et al.
Dokl Akad Nauk SSSR 191:951-2, 1970 (Rus)

ADMINISTRATION & DOSAGE

[Use of intra-articular Contrykal in chronic rheumatic polyarthritis] Altus RE, et al.
Dtsch Gesundheitsw 26:442-3, 4 Mar 71 (Ger)

ANALYSIS

Elastase and trypsin inhibitors of human skin and serum. Partial purification and characterization. Junnila SK, et al.
Acta Derm Venereol (Stockh) 51:251-6, 1971
The amino acid sequence of the amino terminal region of soybean trypsin inhibitor (Kunitz). Ikenaka T, et al.
J Biochem (Tokyo) 69:251-3, Jan 71
The distribution of a particulate trypsin inhibitor in brain. Oliphant BB, et al.
Proc Soc Exp Biol Med 135:754-6, Dec 70
[Trypsin inhibitors. VII. Primary structure of the specific trypsin inhibitor II (Kazal-type) from porcine pancreas. Sequence analysis with mass spectrometry identification of the p-bromophenylthio-hydantoins from the Edman degradation] Tschesche H, et al.
Hoppe Seylers Z Physiol Chem 351:1449-59, Dec 70 (Ger)

BIOSYNTHESIS

Synthesis of serum albumin, prealbumin, alpha-foetoprotein, alpha-1-antitrypsin and transferrin by the human yolk sac. Gitlin D, et al.
Nature (Lond) 228:995-7, 5 Dec 70

BLOOD

Hereditary alpha 1-antitrypsin deficiency. Varpela E, et al. Ann Clin Res 3:46-53, Feb 71
Influence of cigarette smoke on guinea pigs. Effect of pulmonary cells and serum antitrypsin levels. Flint GL, et al. Arch Environ Health 22:366-9, Mar 71
Serum trypsin inhibitor and paraquat. Fitzgerald O, et al. Br Med J 4:747-8, 19 Dec 70
Pulmonary emphysema and alpha 1-antitrypsin deficiency. Hutchison DC, et al.
Br Med J 1:689-94, 27 Mar 71
Enzyme deficiency and emphysema.
Br Med J 3:655-6, 18 Sep 71
Postoperative changes in the trypsin inhibitor activity of human pancreatic juice and the influence of infusions of a parotid trypsin inhibitor extract (Trasylol, Bayer). White TT, et al.
Bull Soc Int Chir 29:164-8, May-Jun 70
Chronic obstructive pulmonary disease with intermediate alpha-1-antitrypsin deficiency. Fallat R, et al. Chest 59:Suppl:26S+, May 71
Serum immunoglobulins and alpha-1-antitrypsin: variation with clinical type of chronic obstructive pulmonary disease. Smith JP Jr, et al.
Chest 59:Suppl:17S+, May 71
Pathophysiology of hereditary emphysema. Stevens PM, et al. Chest 59:Suppl:19S, May 71
The alpha 1-antitrypsin and alpha 2-macroglobulin content and the protease-inhibiting capacity of normal and pathological sera. Miesch F, et al.
Clin Chim Acta 31:231-41, Jan 71
Familial lung disease and alpha1 antitrypsin deficiency. Hammarsten JF, et al.
Clin Notes Resp Dis 9:3-10, Spring 71
Inhibition of hydrolysis of chondromucoprotein by plasma proteolytic inhibitor. Abadi DM, et al.
Enzyme 12:41-8, 1971
The role of serum trypsin inhibitors in acute pancreatitis. Fitzgerald O, et al. Gut 11:1060, Dec 70
Gene frequencies of red cell adenosine deaminase, adenylate kinase, phosphoglucomutase, acid phosphatase and serum alpha-1-Antitrypsin (Pi) in a German population. Goedde HW, et al.
Humangenetik 10:235-43, 1970
On the genetics of the pi serum proteins. Kellermann G, et al. Humangenetik 10:191-4, 17 Sep 70
Investigations on the population genetics of the alpha-1-antitrypsin polymorphism. Kellermann G, et al. Humangenetik 10:145-50, 17 Sep 70
Deficiency of 1 -antitrypsin. Hobbs JR.
J Clin Pathol 24:483-3, Jul 71
Inhibitors and activators of leukocytic proteases in purulent sputum. Digestion of human lung and inhibition by alpha 1-antitrypsin. Lieberman J, et al.
J Lab Clin Med 77:713-27, May 71
Measurement of elastase activity by elastin agar and its use in the detection of antitrypsin deficiency. Senior RM, et al. J Lab Clin Med 77:510-6, Mar 71
Protease inhibitor (Pi) phenotypes in chromosome aberrations. Aarskog D, et al.
J Med Genet 7:367-70, Dec 70
Serum trypsin inhibitors in coal miners.
JAMA 216:884-5, 3 May 71
Deficiency of alpha-antitrypsin in childhood liver disease. Johnson AM, et al. Pediatrics 46:921-5, Dec 70
Alpha-1-antitrypsin deficiency. Kanarek DJ, et al.
S Afr Med J 45:144-6, 6 Feb 71
Effect of growth of Walker 256 carcinosarcoma of the fibrinolytic system of the rat plasma and urine. Mootse G, et al. Tumori 56:71-81, Mar-Apr 70
[The deficiency of alpha-1-antitrypsin in two patients with chronic pulmonary disease and in their relatives] Keyriläinen O, et al. Duodecim 86:1315-21, 1970 (Fin)
[Repetitive respiratory manifestations in a 3-year-old child. Possible role of an alpha-1-antitrypsine deficiency] Feigelson J, et al.
Arch Fr Pediatr 27:991, Nov 70 (Fre)
[Constitutional deficiency of alpha 1 antitrypsin and panlobular emphysema (report of 24 autopsies)] Mazodier P, et al.
J Fr Med Chir Thorac 25:5-32, Jan 71 (Fre)
[Familial form of retracted and chronic condensation of the middle pulmonary lobe with alpha-1-antitrypsin deficiency: genetic study] Vidal J, et al.
J Fr Med Chir Thorac 23:469-87, Jul-Aug 69 (Fre)
[Essential emphysematous syndromes of nonbronchitic origin: familial and genetic factors] Brun J, et al. Poumon Coeur 27:53-78, 1971 (Fre)
[The Pi system, its genetics and its relations with diseases] Fagerhol MK.
Poumon Coeur 27:41-51, 1971 (Fre)
[Serum groups of the Pi system (alpha-1-antitrypsin)] Robinet-Lévy M, et al.
Rev Fr Transfus 13:389-96, Dec 70 (Fre)
[Plasma protease inhibitors] Steinbuch M.
Rev Fr Transfus 14:61-82, Mar 71 (Fre)
[Inhibition capacity of the serum against proteolytic enzymes during normal labor] Duck HJ, et al.
Dtsch Gesundheitsw 25:1545-9, 13 Aug 70 (Ger)
[The serum group system Pi. Studies of the methods and frequency in Dresden and vicinity] Thomas K, et al. Folia Haematol (Leipz) 95:84-94, 1971 (Ger)
[Simple determination of serum antitrypsin and its significance] Liebermann J, et al.
Med Monatsschr 24:319-20, Jul 70 (Ger)
[Pulmonary emphysema and alpha 1-antitrypsin deficiency] Heuckenkamp P.
Munch Med Wochenschr 113:Suppl 10:1-2, 5 Mar 71 (Ger)
[Cystic lung diseases. Enzymatic factors] Schnetz E.
Pneumonologie 143:123-6, 1970 (Ger)
[Alpha-1 antitrypsin and pulmonary emphysema] Geisler L, et al.
Verh Dtsch Ges Inn Med 75:720-3, 1969 (Ger)
[Alpha-1-antitrypsin defect and pulmonary emphysema] Strumeliov S.
Z Aerztl Fortbild (Jena) 65:94-6, 15 Jan 71 (Ger)
[Determination of alpha-1-antitrypsin and of the total inhibitor for pancreatic diagnosis] Bossecker H, et al.
Z Gesamte Inn Med 26:113-6, 1 Feb 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Familial deficiency on alpha-1-antitrypsin] Wehinger H, et al. Z Kinderheilkd 110:115-27, 1971 (Ger)
[Significance of alpha l-antitrypsin deficiency in chronic bronchopneumopathies] Di Biasi S, et al. Folia Med (Napoli) 53:473-86, Aug 69 (Ita)
[The kinetics of trypsin activity inhibition by a heat and acid-stable inhibitor in rabbit serum] Nartikova VF, et al. Biokhimiia 35:187-95, 1970 (Rus)
[Role of proteolytic and treatment of nephritis] Poliantseva LB, et al.
Vestn Akad Med Nauk SSSR 25:7-11, 1970 (Rus)
[Serum lysozyme and trypsin inhibitor levels and leukocyte count in rabbits following irradiation] Stefanović J, et al.
Bratisl Lek Listy 54:615-25, Nov 70 (Slo)

CHEMICAL SYNTHESIS

Synthesis of a peptide with basic pancreatic trypsin inhibitor activity. Noda K, et al.
Naturwissenschaften 58:147-8, Mar 71
[Preparation of modified protease inhibitors using water-insoluble trypsin resins] Fritz H, et al.
Hoppe Seylers Z Physiol Chem 351:1119-22, Sep 70 (Ger)

ISOLATION & PURIFICATION

The basic trypsin inhibitor of bovine pancreas. X. Two-step preparation procedure. Mozejko JH, et al.
Anal Biochem 38:547-51, Dec 70
Trypsin and alpha-chymotrypsin inhibitors from potatoes: isolation and some properties. Belitz HD, et al. Biochem Biophys Res Commun 42:420-7, 5 Feb 71
Isolation of chicken ovoinhibitor by affinity chromatography on chymotrypsin-sepharose. Feinstein G. Biochim Biophys Acta 236:73-7, 27 Apr 71
Isolation of isoinhibitors of trypsin from porcine colostrum. Kress LF, et al.
Biochim Biophys Acta 229:636-44, 23 Mar 71
The inhibitory properties of avian ovoinhibitors against proteolytic enzymes. Liu WH, et al.
Biochim Biophys Acta 229:176-85, 19 Jan 71
Simultaneous isolation of trypsin inhibitor and anti-A phytohemagglutinin from Vicia cracca by means of biospecific adsorption. Sundberg L, et al.
Biochim Biophys Acta 221:394-5, 17 Nov 70
Evidence, isolation, purification, and some properties of a trypsin inhibitor in Lathyrus Sativus. Roy DN, et al. J Agric Food Chem 19:257-9, Mar-Apr 71
[Isolation and trypsin inhibitors and trypsin-plasmin-inhibitors from the seminal vesicles of guinea pigs] Fritz H, et al.
Hoppe Seylers Z Physiol Chem 351:1344-52, Nov 70 (Ger)
[Isolation and purification of the pancreatic secretory trypsin inhibitor of the cat] Tschesche H, et al. Hoppe Seylers Z Physiol Chem 352:764-6, May 71 (Ger)
[Thin-layer chromatographic-enzymatic identification and the mode of action of chlorinated hydrocarbon insecticides. II. Identification by inhibition of trypsin inhibitors] Geike F.
J Chromatogr 52:447-52, 4 Nov 70 (Ger)
[Isolation of pancreatic trypsin inhibitor from pantrypine] Kazanskaia NF, et al.
Vopr Med Khim 16:368-71, Jul-Aug 70 (Rus)

METABOLISM

Pancreatic enzyme inhibitors in health and disease. Manoche HC, et al. Am J Clin Pathol 55:458-64, Apr 71
Antitrypsin deficiency.
Can Med Assoc J 104:325, 20 Feb 71
Bacterial inactivation of human serum alpha-1 antitrypsin. Moskowitz RW, et al.
J Lab Clin Med 77:777-85, May 71
Screening for heterozygous 1 -antitrypsin deficiency. 3. A provocative test with diethylstilbestrol and effect of oral contraceptives. Lieberman J, et al.
JAMA 217:1198-206, 30 Aug 71
Chymotrypsin inhibitor stimulation of pancreatic enzyme secretion in the rat. Green GM, et al.
Proc Soc Exp Biol Med 136:649-54, Feb 71
[The nature of pancreatitis in dogs losing pancreatic juice and the participation of pancreatic juice components in regulating serum protein composition] Fenina EP. Fiziol Zh SSSR 56:671-5, Apr 70 (Rus)

PHARMACODYNAMICS

Proteolytic enzymes and biological inhibitors. I. Comparison between the Kunitz method and the agar gel casein precipitating reaction for determination of the activity of some commercial proteolytic enzymes and inhibitors. Fossum K.
Acta Pathol Microbiol Scand [B] 78:350-62, 1970
Evidence for a change in certain properties of vaccinia virus after trypsinization: heat inactivation or removal of a postulated trypsin-sensitive inhibitor on virions. Graves IL. Am J Vet Res 32:775-82, May 71
The effect of trypsin inhibitors on pancreatopeptidase E, trypsin, chymotrypsin and amylase in the pancreas and intestinal tract of chicks receiving raw and heated soya-bean diets. Gertler A, et al.
Br J Nutr 24:893-904, Dec 70
Effect of anti-proteases and hexadimethrine bromide on the release of a bradykinin-like substance during heating (46 degrees C) of rat paws. Garcia Leme J, et al. Br J Pharmacol 40:294-309, Oct 70
The specific inactivation of trypsin by ethyl p-guanidinobenzoate. Mares-Guia M, et al.
J Biol Chem 242:5782-8, 25 Dec 67
Studies on the active center of trypsin. Further characterization of the hydrophobic binding site. Mares-Guia M, et al. J Biol Chem 242:5777-81, 25 Dec 67
Schistosome hemoglobin protease; search for inhibitors. Zussman RA, et al.
J Parasitol 57:233-4, Apr 71
Inhibition of fertilization in vivo by pancreatic and seminal plasma trypsin inhibitors. Zaneveld LJ, et al.
J Reprod Fertil 25:387-92, Jun 71
The effect of dietary soybean trypsin-inhibitor on the histology of dog pancreas. Patten JR, et al.
Life Sci [II] 10:145-50, 8 Feb 71
Alpha 1 -antitrypsin and pepsin inhibition. Lieberman J. N Engl J Med 285:524-5, 26 Aug 71
[The effect of synthetic trypsin inhibitors on the kinin-liberating effect of trypsin and pancreatic kallikrein] Markwardt F, et al.
Acta Biol Med Ger 24:401-4, 1970 (Ger)
[Inhibition of thrombin, plasmin and trypsin effect by alkyl- and alkoxybenzamidine] Markwardt F, et al.
Pharmazie 25:551-4, Sep 70 (Ger)
[Inhibition of the formation of kinins by benzamidine derivatives] Markvardt F, et al.
Farmakol Toksikol 34:195-8, 1971 (Rus)

SECRETION

[Concentration of trypsin inhibitor in dog pancreatic juice and a method for determining it] Fomina LS.
Fiziol Zh SSSR 56:261-5, Feb 70 (Rus)

THERAPEUTIC USE

The effect of oral trypsin inhibitor on pancreatic damage in the rat. Pirola RC, et al.
Br J Exp Pathol 52:244-51, Jun 71
[Therapeutic action mechanism of trypsin inhibitors in acute pancreatitis] Synovets AS, et al.
Klin Khir 2:33-5, Feb 71 (Rus)

URINE

Urinary excretion of colostral trypsin inhibitor in neonatal pigs. Baintner K Jr.
Life Sci [II] 9:847-9, 8 Aug 70
[Urine antitrypsin activity (UAA) in acute renal failure] Markiewicz A.
Pol Arch Med Wewn 45:861-7, Nov 70 (Pol)

TRYPSINOGEN (D9)

Activity and fluorescent derivatives of aminotyrosyl trypsin and trypsinogen. Kenner RA, et al.
Biochemistry 10:551-7, 16 Feb 71
Kinetics of structural transitions induced by pH changes. Experiments on pancreatic proteins. Bellon BR, et al. Eur J Biochem 17:43-8, Nov 70
Comparative studies on the modification of specific disulfide bonds of trypsinogen and chymotrypsinogen. Sondack DL, et al.
J Biol Chem 246:1630-7, 25 Mar 71
Studies of an anionic trypsinogen and its active enzyme from porcine pancreas. Voytek P, et al.
J Biol Chem 246:508-16, 25 Jan 71
[Identification in the semi micromole scale of peptides of trypsinogen activation] Schyns R.
Arch Int Physiol Biochim 78:415-26, Apr 70 (Fre)

ANALYSIS

[Trypsinogen pseudo-deficiency caused by congenital enterokinase deficiency. Enzyme study] Hadorn B, et al. Arch Fr Pediatr 27:689-702, 1970 (Fre)
[Trypsinogen pseudo-deficiency caused by congenital enterokinase deficiency. Clinical study] Polonovski C, et al. Arch Fr Pediatr 27:677-88, 1970 (Fre)
[Demonstration of 2 trypsinogens in the roe-deer] Bricteux-Grégoire S.
Arch Int Physiol Biochim 78:399-413, Apr 70 (Fre)

ISOLATION & PURIFICATION

Identification of an anionic trypsinogen in bovine pancreas. Puigserver A, et al.
Biochim Biophys Acta 236:499-502, 25 May 71
[Purification, properties and N-terminal sequence of goat trypsinogen] Bricteux-Grégoire S, et al.
Biochim Biophys Acta 229:123-35, 19 Jan 71 (Fre)

METABOLISM

Intracellular storage of exportable protein in functionally hypertrophied pancreas. Rothman SS.
Am J Physiol 219:1652-7, Dec 70
Rare earth metal ions as probes of calcium ion binding sites in proteins. Neodymium(3) acceleration of the activation of trypsinogen. Darnall DW, et al.
J Biol Chem 245:6484-6, 10 Dec 70
[Cellular distribution of hydrolases in the rat exocrine pancreas] Vandermeers-Piret MC, et al.
Arch Int Physiol Biochim 78:606-7, Aug 70 (Fre)

TRYPTAMINES (D2)

see also specific
PSILOCYBINE (D6)

Central nervous system depressive activity of some amides of tryptamine. Ho BT, et al.
J Med Chem 14:553-4, Jun 71
X-ray structure determination of tryptamine hydrochloride. Wakahara A, et al.
Tetrahedron Lett 57:4999-5002, Dec 70

ADMINISTRATION & DOSAGE

The effect of DMT and LSD on acoustic evoked potentials. Arnold OH, et al.
Electroencephalogr Clin Neurophysiol 30:170, Feb 71
[Effect of substances interacting with serotonin reactive systems on the epileptiform discharge in the hippocampus in rabbits] Gusel' VA.
Farmakol Toksikol 34:135-9, 1971 (Rus)

ANALYSIS

The use of o-phthalaldehyde as a spray reagent for the thin-layer chromatographic identification and quantitation of bufotenin and 5-methoxy-N:N-dimethyltryptamine. Narasimhachari N, et al. J Chromatogr 57:433-7, 19 May 71
Acid catalysis of the formaldehyde condensation reaction for sensitive histochemical demonstration of trptamines and 3-methoxylated phenylethylamines. 1. Modelexperiments. Björklund A, et al.
J Histochem Cytochem 18:794-802, Nov 70
Acid catalysis of the formaldehyde condensation reaction for a sensitive histochemical demonstration of tryptamines and 3-methoxylated phenylethylamines. 2. Characterization of amine fluorophores and application to tissues. Björklund A, et al. J Histochem Cytochem 19:286-98, May 71
Catecholamines and tryptamines. Quay WB.
J Neurovisc Relat 31:Suppl 9:212+, 1969 (58 ref.)
Identification of bufotenin in toad brain by chromatography and mass spectrometry of its DANS-derivative. Axelsson S, et al.
Life Sci [I] 10:745-9, 1 Jul 71
[Monoamines of the pineal organ during the intra-uterine stages of development of an amniote. Studies in Lacerta vivipara (Jacquin), Reptile, Lacertilian] Meiniel A, et al.
C R Acad Sci [D] (Paris) 271:2373-6, 21 Dec 70 (Fre)

ANTAGONISTS & INHIBITORS

Antagonism of beta-phenylethylamine derivatives and serotonin blocking drugs upon serotonin, tryptamine and reserpine behavioral depression in mice. Saavedra JM, et al. Arzneim Forsch 20:952-7, Jul 70

CHEMICAL SYNTHESIS

Synthesis and preliminary screening of N-ethyltryptamine derivatives related to reserpine and lysergic acid. Sklar S, et al.
J Pharm Sci 60:304-6, Feb 71
[Synthesis of N-glucosides of serotonin, 5-methoxytryptamine and melatonin] Vigdorchik MM, et al.
Dokl Akad Nauk SSSR 193:337-40, Jul 70 (Rus)

METABOLISM

Metabolism of 5-methoxy-N,-N dimethyltryptamine- 14 C in the rat. Agureli S, et al.
Biochem Pharmacol 18:2771-81, Oct 69
Incorporation of radioactivity from labeled serotonin and tryptamine into acid-insoluble material from subcellular fractions of brain. I. The nature of the substrate. Alivisatos SG, et al.
Biochemistry 7:285-92, Jan 68
Inhibition of tryptamine oxidation by N'-dimethylaminosuccinamic acid (B-995) and maleic hydrazide (MH). Suzuki Y, et al.
Enzymologia 39:57-64, 31 Jul 70
The disposition and metabolism of tryptamine and the in vivo formation of 6-hydroxytryptamine in the rabbit. Lemberger L, et al.
J Pharmacol Exp Ther 177:169-76, Apr 71

PHARMACODYNAMICS

Effects of 5-methoxytryptamine derivatives on reserpine-syndrome in mice. Segawa T, et al.
Arch Int Pharmacodyn Ther 186:129-32, Jul 70
Animal experiments and clinical observations with bufotenin. Bonhour A.
Behav Neuropsychiatry 1:31, Aug 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The release of biologically active substances from isolated lungs by 5-hydroxytryptamine and tryptamine. Alabaster VA, et al.
Br J Pharmacol 40:582P+, Nov 70
Effects of psilocybin, dimethyltryptamine and various lysergic acid derivatives on photically-induced epilepsy in the baboon (Papio papio). Meldrum BS, et al. Br J Pharmacol 40:144P+, Sep 70
Effect of N,N-dimethyltryptamine and D-lysergic acid diethylamide on the release of 5-hydroxyindoles in rat forebrain. Randić M, et al.
Nature (Lond) 230:532-3, 23 Apr 71
Effects of infused tryptamine in man. Martin WR, et al.
Psychopharmacologia 18:231-7, 1970
Relative potency of amphetamine derivatives and N,N-dimethyltryptamines. Uyeno ET.
Psychopharmacologia 19:381-7, 1971
[Basic substituted tryptamines and tryptophols. 3. Pharmacologic studies on 1- and 2-position of basic substituted derivatives] Eichele O, et al.
Arch Pharm (Weinheim) 303:865-8, Nov 70 (Ger)
[The influence of harmine on bioelectrical activity in the rat hippocampus] Mortillaro M.
Psychopharmacologia 21:49-59, 1971 (Ger)
[Experimental studies on the radiation protective effect of tryptamine. 2] Sturde HC, et al.
Strahlentherapie 140:745-8, Dec 70 (Ger)
[The effect of precursors and various analogs of serotonin on the cerebral circulation] Mashkovskiĭ MD, et al. Biull Eksp Biol Med 66:58-61, Nov 68 (Rus)
[Evaluation of the minimal dose of 5-methoxytryptamine affecting the accumulation of cystamine in tissues and its excretion with urine] Mordukhovich VV, et al.
Radiobiologiia 10:756-8, Sep-Oct 70 (Rus)

PHYSIOLOGY

[Serotoninergic systems and the problem of false transmitters] Roberge AG, et al.
Union Med Can 100:475-9, Mar 71 (Fre)

URINE

Recent investigations of a possible dysmetabolic-endotoxic origin of schizophrenia. Fischer E. Behav Neuropsychiatry 1:27-9, Aug 69
Laboratory and animal studies on the chemistry of bufotenin. Quantitative determination on bufotenin in human urine. Spatz H, et al.
Behav Neuropsychiatry 1:25-7, Aug 69
Studies on urinary elimination of bufotenine-like substances in schizophrenia. Fischer E, et al.
Biol Psychiatry 2:235-40, Jul 70
Detection of psychotomimetic N,N-dimethylated indoleamines in the urine of four schizophrenic patients. Tanimukai H, et al.
Br J Psychiatry 117:421-30, Oct 70
[Presence of N-methylated and N-acetylated indolamines in urine from patients with schizophrenia and from normal individuals] Faurbye A, et al.
Ugeskr Laeger 133:1356-8, 16 Jul 71 (Dan)
[The biochemistry of methoxy indoles. Spectrofluorometric determination of methoxy-5-tryptamine] Dreux C.
Clin Chim Acta 30:519-26, Nov 70 (Fre)
[N,N-dimethyltryptamine and bufotenin in the urine of patients with chronic and acute schizophrenic psychoses] Rosengarten H, et al.
Psychiatr Pol 4:519-21, 1970 (Pol)
[Chromatographic separation of tryptophan metabolites on thin-layer silica gel] Kniazev IuA, et al.
Lab Delo 2:114-7, 1971 (Rus)

TRYPTIZOL see AMITRIPTYLINE (D6)

TRYPTOPHAN (D10)

Central nervous system hypersensitivity to tryptophan. Coursin DB.
Am J Clin Nutr 24:821-5, Jul 71
Fluorescent substances in protein hydrolyzates. I. Acid "hydrolyzates" of individual amino acids. Ledvina M, et al. Anal Biochem 36:174-81, Jul 70
Fluorescence quenching due to mercuric ion interaction with aromatic amino acids and proteins. Chen RF. Arch Biochem Biophys 142:552-64, Feb 71
The reaction of dimethyl (2-hydroxy-5-nitrobenzyl) sulfonium salts with tryptophan ethyl ester. Tucker WP, et al. Arch Biochem Biophys 144:730-3, Jun 71
A study of tryptophan tritiation in supernatant malate dehydrogenase from pig heart. Allen LM, et al.
Biochem Biophys Res Commun 41:1518-22, 24 Dec 70
The N-formyl-L-tryptophan-chymotrypsin complex in solution. Gerig JT, et al.
Biochem Biophys Res Commun 40:1149-54, 10 Sep 70
Characteristics of the fluorescence spectra of apoenzyme and flavin portions of D-amino acid oxidase. Wu FY, et al.
Biochem Biophys Res Commun 41:381-5, 23 Oct 70
Kinetic studies of tryptophan synthetase. Interaction of L-serine, indole, and tryptophan with the native enzyme. Faeder EJ, et al.
Biochemistry 10:1041-5, 16 Mar 71
Reflectance and luminescence studies of molecular complex formation between tryptophan and nucleic acid components in frozen aqueous solutions. Montenay-Garestier T, et al.
Biochemistry 10:300-6, 19 Jan 71
Structural location of the tyrosyl and tryptophanyl residues of tuna heart cytochrome c. Stellwagen E, et al. Biochemistry 9:3764-7, 15 Sep 70
Near-ultraviolet absorption bands of tryptophan. Studies using indole and 3-methylindole as models. Strickland EH, et al. Biochemistry 9:4914-21, 8 Dec 70
Near-ultraviolet absorption bands of tryptophan. Studies using horseradish peroxidase isoenzymes, bovine and horse heart cytochrome c, and N-stearyl-L-tryptophan n-hexyl ester. Strickland EH, et al. Biochemistry 10:2631-8, 22 Jun 71
Modification of the tryptophanyl residue of horse heart cytochrome c. Aviram I, et al.
Biochim Biophys Acta 229:113-8, 19 Jan 71
The third variant of human myoglobin showing an unusual amino acid substitution: 138(H16)arginine--tryptophan. Boulton FE, et al.
Biochim Biophys Acta 229:716-9, 23 Mar 71
Differences in tryptophan exposure between chicken egg-white lysoxyme and bovine alpha-lactalbumin. Guire P. Biochim Biophys Acta 221:383-6, 17 Nov 70
Correlations between structure and spectroscopic properties in membrane model systems. Tryptophan and 1-anilino-8-naphthalene sulfonate fluorescence in protein-lipid-water phases. Gulik-Krzywicki T, et al.
Biochim Biophys Acta 219:1-10, 1970
Solvent perturbation and accessibility of the tryptophyl and tyrosyl residues in giant keyhole limpets hemocyanin. Herskovits TT, et al.
Biochim Biophys Acta 221:643-6, 22 Dec 70
Membrane structure: the reactivity of tryptophan, tyrosine and lysine in proteins of the microsomal structure. Khandwala AS, et al.
Biochim Biophys Acta 233:348-57, 13 Apr 71
Tyrosine and tryptophan residues and amino groups in thrombin related to enzymic activities. Kotoku I, et al.
Biochim Biophys Acta 214:490-7, 29 Sep 70
Reaction of diethyl pyrocarbonate with indole derivatives with special reference to the reaction with tryptophan residues in a protein. Rosén CG, et al.
Biochim Biophys Acta 221:207-13, 17 Nov 70
The properties and modification of tryptophan in a sea snake toxin, erabutoxin a. Seto A, et al.
Biochim Biophys Acta 214:483-9, 29 Sep 70
The fluorescence quenching of aromatic amino acid and flavin portions of flavinyl peptides. Wu FY, et al.
Biochim Biophys Acta 229:440-3, 16 Feb 71
Breed susceptibility to tryptophan-induced pulmonary adenomatosis in cattle. Monlux WS, et al.
Cornell Vet 60:547-51, Oct 70
Tryptophan fluorescence quenching in horse liver alcohol dehydrogenase. Luisi PL, et al.
Eur J Biochem 17:91-4, Nov 70
Genetic investigation of tryptophan-requiring mutants of Aspergillus nidulans. Noronha L.
Indian J Exp Biol 8:298-301, Oct 70
The difference between alpha-and delta-chymotrypsins. Preparation and alkaline pH dependence of alpha1-chymotrypsin-catalyzed hydrolysis of N-acetyl-L-tryptophan methyl ester (ATME). The involement of alanine-149 in alpha-chymotrypsin catalysis. Valenzuela P, et al.
J Am Chem Soc 93:3783-4, 28 Jul 71
The dimethylation of the tryptophan methyl ester and its possible biologic activity. Wagner GN.
J Am Osteopath Assoc 70:1070-2, Jun 71
Studies on sweet potato beta-amylase. II. Susceptibility of tryptophan to the riboflavin-sensitized photooxidation in the presence of adenine. Uehara K, et al. J Biochem (Tokyo) 69:27-33, Jan 71
Conformational studies on modified proteins and peptides. IV. Conformation of lysozyme derivatives modified at tyrosine or at tryptophan residues. Atassi MZ, et al. J Biol Chem 246:3291-6, 25 May 71
Allergic encephalomyelitis. Oxidation and cleavage of the single tryptophan residue of the A1 protein from bovine and human myelin. Burnett PR, et al.
J Biol Chem 246:3425-30, 25 May 71
The tryptophan microenvironments in apomyoglobin. Kirby EP, et al. J Biol Chem 245:6300-6, 10 Dec 70
Low temperature circular dichroism of tyrosyl and tryptophanyl diketopiperazines. Strickland EH, et al.
J Biol Chem 245:4168-77, 25 Aug 70
The tryptophan gene cluster of Staphylococcus aureus. Proctor AR, et al. J Gen Microbiol 64:319-27, Dec 70
Reactivities of the tryptophan residues of alpha-lactalbumin and lysozyme to 2-hydroxy-5-nitrobenzyl bromide. Barman TE.
J Mol Biol 52:391-4, 14 Sep 70
Evidence for the order promoter-operator-first structural gene in the tryptophan operon of Salmonella. Callahan R, et al.
J Mol Biol 51:709-15, Aug 70
Suppression of UGA codon by a tryptophan tRNA. Chan TS, et al. J Mol Biol 56:101-16, 28 Feb 71
Tryptophan transfer RNA as the UGA suppressor. Hirsh D. J Mol Biol 58:439-58, 14 Jun 71
Translation of the UGA triplet in vitro by tryptophan transfer RNA's. Hirsh D, et al.
J Mol Biol 58:459-68, 14 Jun 71
Tryptophan messenger ribonucleic acid elongation rates and steady-state levels of tryptophan operon enzymes under various growth conditions. Rose JK, et al. J Mol Biol 51:541-50, Aug 70
Effects of amino acid starvation on constitutive tryptophan messenger ribonucleic acid synthesis. Stubbs JD, et al. J Mol Biol 51:717-25, Aug 70
Daily fluctuation of plasma amino acid levels in adult men: effect of dietary tryptophan intake and distribution of meals. Hussein MA, et al.
J Nutr 101:61-9, Jan 71
Plasma tryptophan response curve and its relation to tryptophan requirements in young adult men. Young VR, et al. J Nutr 101:45-56, Jan 71
Preparation and properties of crystalline riboflavin-tryptophan complex. Mitsuda H, et al.
J Vitaminol (Kyoto) 16:219-24, Sep 70
Effect of dimethyl sulphoxide on charge transfer complexes between serotonin-, tryptophan and flavin mononucleotide under low temperatures. Yamanaka N. J Vitaminol (Kyoto) 17:39-42, 10 Mar 71
Protein-nicotinic acid consumption and early psychologic change. Cheraskin E, et al.
Ment Hyg 52:634-6, Oct 68
Inhibition of transcription of the tryptophan operon in Escherichia coli by a block in initiation of translation. Imamoto F, et al.
Nature [New Biol] 233:169-73, 11 Aug 71
Enhanced hepatic protein synthesis in rats force-fed a tryptophan-devoid diet. Sidransky H, et al.
Proc Soc Exp Biol Med 135:815-22, Dec 70
-electronic structures of tryptophan metabolites. I. Tryptophan, kynurenine, anthranilic acid and related compounds. Tanaka H, et al.
Wakayama Med Rep 14:107-11, Jan 71
[Interactions between amino acids and nucleic acids. 3. Study by absorption and nuclear magnetic resonance of the formation of complexes between tryptophan and the constituents of nucleic acids] Dimicoli JL, et al. Biochimie 53:331-45, 1971 (Fre)
[Tryptophan-carcinogen resonance, hydrophobic albumin binding and chemical carcinogenesis] Franke R. Arch Geschwulstforsch 36:30-3, 1970 (Ger)
[Treatment of psoriasis with low-protein, low-tryptophan diet] Czarnielewski A, et al.
Przegl Dermatol 58:149-55, Mar-Apr 71 (Pol)
[Effect of D20 on the luminescence of tryptophan derivatives at room temperature and at 77 degrees K] Busel EP, et al.
Biofizika 15:993-1001, Nov-Dec 70 (Rus)
[Study of the mechanism of photosensitized disintegration of glycine in the presence of tryptophan by electron paramagnetic resonance and luminescence methods] Il'iasova VB, et al.
Biofizika 15:265-73, Mar-Apr 70 (Rus)
[Application of the model of 2 classes of tryptophan residues to the interpretation of data on the ultraviolet fluorescence of cells] Ostashevskiĭ IIa.
Biofizika 16:609-14, Jul-Aug 71 (Rus)
[The pathway of the reaction of selective photooxidation of tryptophan in lysozyme] Kravchenko NA, et al. Biokhimiia 35:64-71, 1970 (Rus)
[S-shape character of the relation of the initial reaction rate to substrate concentration during inhibition by N-acetyl-D-tryptophan of the hydrolysis of ethyl aceturate by alpha-chymotrypsin] Martinek K, et al.
Biokhimiia 35:1207-15, Nov-Dec 70 (Rus)
[Tryptophan-containing peptides of pepsin] Vasenev VI, et al. Biokhimiia 35:787-96, Jul-Aug 70 (Rus)
[Absence of a requirement for tryptophan in the bactericidal action of T4 phage ghosts] Mekshenkov MI, et al.
Dokl Akad Nauk SSSR 186:213-4, May-Jun 69 (Rus)

ADMINISTRATION & DOSAGE

Inefficacy of tryptophan-pyridoxine in essential tremor. Mozzis CE, et al. Lancet 2:165-6, 17 Jul 71
Cerebrospinal fluid 5-hydroxyindoles and behavior after L-tryptophan and pyridoxine administration to psychiatric patients. Bowers MB Jr.
Neuropharmacology 9:599-604, Nov 70

ADVERSE EFFECTS

[The effect of phenamine on medicinal parkinsonism and retardation of movement upon stimulation of the caudate nucleus (a clinico-experimental study)] Arushanian EB, et al.
Zh Nevropatol Psikhiatr 70:1384-8, 1970 (Rus)

ANALYSIS

Column chromatographic analysis of tryptophan with the basic amino acids. Berridge BJ Jr, et al.
Anal Biochem 41:256-64, May 71
Determination of tryptophan in foods. Knox R, et al.
Anal Biochem 36:136-43, Jul 70
Determination of tryptophan in foods. Slump P, et al.
Anal Biochem 27:182-5, Jan 69
Thermal perturbation difference spectra of proteins

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

containing tryptophyl residues. Bello J.
Biochemistry 9:3562-8, 1 Sep 70
Phosphorescence studies of environmental heterogeneity for tryptophyl residues in proteins. Purkey RM, et al. Biochemistry 9:3569-75, 1 Sep 70
Varying luminescence behavior of the different tryptophan residues of papain. Steiner RF.
Biochemistry 10:771-8, 2 Mar 71
The role of the tryptophan residues in the activity of the nerve growth factor. Angeletti RH.
Biochim Biophys Acta 214:476-82, 29 Sep 70
Structure of bradykinin-potentiating peptide containing tryptophan from the venom of Agkistrodon halys blomhoffii. Kato H, et al.
Experientia 26:1205-6, 15 Nov 70
Evidence for the importance of tryptophan residues in the antibody-antigen reactions of anti-DNP and anti-poly Glu56Lys35Tyr6 antibodies. Ota Y, et al.
Immunochemistry 7:727-39, Aug 70
Magnetic circular dichroism studies. XII. The determination of tryptophan in proteins. Barth G, et al. J Am Chem Soc 93:2545-7, 19 May 71
States of tyrosyl and tryptophyl residues in Bence Jones proteins. Azuma T, et al.
J Biochem (Tokyo) 69:535-41, Mar 71
Tyrosine and tryptophan contents in heavy meromyosin and subfragment-1. Shimizu T, et al.
J Biochem (Tokyo) 69:447-52, Mar 71
Interaction of heavy meromyosin with substrate. IV. Studies on the tyrosine and tryptophan residues by solvent perturbation method. Shimizu T, et al.
J Biochem (Tokyo) 69:453-61, Mar 71
A colorimetric procedure for the quantitative determination of tryptophan residues in proteins. Barman TE, et al. J Biol Chem 242:5771-6, 25 Dec 67
Hydrolysis of proteins with p-toluenesulfonic acid. Determination of tryptophan. Liu TY, et al.
J Biol Chem 246:2842-8, 10 May 71
The identification of a tryptophan residue essential to the catalytic activity of bovine pancreatic deoxyribonuclease. Poulos TL, et al.
J Biol Chem 246:4041-5, 25 Jun 71
Effect of psychotropic drugs on tryptophan concentration in the rat brain. Tagliamonte A, et al.
J Pharmacol Exp Ther 177:475-80, Jun 71
The effect of some hallucinogenic drugs on the amino acid precursors of brain monoamines. Tonge SR, et al.
Life Sci [I] 9:1327-35, 1 Dec 70
Microdetermination of ascorbic acid and tryptophan by colorimetry. Hashmi MH, et al.
Mikrochim Acta 3:457-62, 1970
The determination of tryptophan in biological materials. Evans RA, et al.
Proc Nutr Soc 29:103, May 70
L-dopa: disaggregation of brain polysomes and elevation of brain tryptophan. Weiss BF, et al.
Science 173:833-5, 27 Aug 71
[Determination of tryptophan in peptides and proteins. I. Determination of tryptophan in certain dipeptides by Spies and Chambers and Bellando and Fiussello reactions and by spectrophotometry] Ambrosino C, et al. Ric Sci 38:1286-91, Dec 68 (Ita)
[Determination of tryptophan in pharmaceutical preparations] Kąkol H, et al.
Acta Pol Pharm 27:507-14, 1970 (Pol)
[Assay of tryptophan in food products] Skibińska T, et al. Roczn Panstw Zakl Hig 21:303-10, 1970 (Pol)

BIOSYNTHESIS

Production of substituted L-tryptophans by fermentation. Fukuda DS, et al.
Appl Microbiol 21:841-3, May 71
N-(5'-phosphoribosyl)anthranilate isomerase-indol-3-ylglycerol phosphate synthetase of tryptophan biosynthesis. Relationship between the two activities of the enzyme from Escherichia coli. Creighton TE. Biochem J 120:899-707, Dec 70
End product control of tryptophan biosynthesis in extracts and intact cells of the higher plant Nicotiana tabacum var. Wisconsin 38. Belser WL, et al.
Biochim Biophys Acta 237:1-10, 20 Apr 71
Purification and comparison of the N-(5'-phosphoribosyl)anthranilic acid isomerase-indole-3-glycerol phosphate synthetase of tryptophan biosynthesis from three species of Enterobacteriaceae. McQuade JF 3d, et al.
Eur J Biochem 16:199-207, Oct 70
Regulatory mutants of the tryptophan operon of Salmonella typhimurium. Balbinder E, et al.
Genetics 66:21-53, Sep 70
Evidence for the separability of the operator from the first structural gene in the tryptophan operon of Salmonella typhimurium. Cordaro JC, et al.
Genetics 67:151-69, Feb 71
Regulation of tryptophan biosynthetic enzymes in Neurospora crassa. Lester G.
J Bacteriol 107:193-202, Jul 71
New regulatory mutation affecting some of the tryptophan genes in Pseudomonas putida. Maurer R, et al. J Bacteriol 106:331-8, May 71
Enzymes of the tryptophan pathway in Acinetobacter calco-aceticus. Twarog R, et al.
J Bacteriol 104:254-63, Oct 70
Structural and functional roles of the cysteine residues in the alpha subunit of the Escherichia coli tryptophan synthetase. 3. Studies with the bifunctional sulfhydryl reagent bismaleimidomethyl ether. Freedberg WB, et al. J Biol Chem 246:1439-48, 10 Mar 71
Structural and functional roles of the cysteine residues in the alpha subunit of the Escherichia coli tryptophan synthetase. 4. Effect of indole on protein conformation in the sulfhydryl region at pH 7.0. Freedberg WB, et al.
J Biol Chem 246:1449-56, 10 Mar 71
Tryptophan messenger translation in Escherichia coli. Lavallé R, et al. J Mol Biol 51:435-47, 28 Jul 70
[Metabolic products of microorganisms. 90. Studies on the formation of tryptophan by Escherichia coli K 12] Sahm H, et al. Arch Mikrobiol 76:223-51, 1971 (Ger)
[Luminescence study of the exogenous accumulation by Candida utilis of L-tryptophan in the presence of its precursors] Barenbojm GM, et al.
Izv Akad Nauk SSSR [Biol] 5:766-76, Sep-Oct 67 (Rus)
[Effect of o-aminophenol and pentoses on biosynthesis of tryptophan by Actinomycetes] Galanina LA, et al. Mikrobiologiia 40:445-7, May-Jun 71 (Rus)

BLOOD

The displacement of L-tryptophan and dipeptides from bovine albumin in vitro and from human plasma in vivo by antirheumatic drugs. McArthur JN, et al.
J Pharm Pharmacol 23:393-8, Jun 71
Effects of acetylsalicylic acid on serum protein binding and metabolism of tryptophan in man. Smith HG, et al.
J Pharm Pharmacol 23:180-9, Mar 71
The relation between clinical anti-inflammatory activity and the displacement of L-tryptophan and a dipeptide from human serum in vitro. Smith MJ, et al.
J Pharm Pharmacol 23:451, Jun 71
Brain serotonin content: physiological dependence on plasma tryptophan levels. Fernstrom JD, et al.
Science 173:149-52, 9 Jul 71
[Disturbance of tyrosine and tryptophane metabolism in depression] Birkmayer W, et al.
Arch Psychiatr Nervenkr 213:377-87, 1970 (Ger)

METABOLISM

Testing the functional capacity of the tryptophan-niacin pathway in man by analysis of urinary metabolites. Price JM, et al.
Adv Metab Disord 2:159-225, 1965 (259 ref.)
Relationships between excretion of steroid hormones and tryptophan metabolites in patients with breast cancer. Bell EM, et al. Am J Clin Nutr 24:694-8, Jun 71
Abnormal tryptophan metabolism in pregnancy and with the oral contraceptive pill. I. Specific effects of an oral estrogenic contraceptive steroid on the tryptophan oxygenase and two aminotransferase activities in livers of ovariectomized-adrenalectomized rats. Brin M.
Am J Clin Nutr 24:699-703, Jun 71
Biochemistry and pathology of tryptophan metabolism and its regulation by amino acids, vitamin B6, and steroid hormones. Brown RR.
Am J Clin Nutr 24:243-7, Feb 71
The role of urinary tryptophan metabolites in the etiology of bladder cancer. Bryan GT.
Am J Clin Nutr 24:841-7, Jul 71 (59 ref.)
Anergy and tryptophan metabolism in Hodgkin's disease. DeVita VT, et al.
Am J Clin Nutr 24:835-40, Jul 71
Tryptophan metabolism in patients with pellagra: problem of vitamin B 6 enzyme activity and feedback control of tryptophan pyrrolase enzyme. Hankes LV, et al. Am J Clin Nutr 24:730-9, Jun 71
A possible diabetogenic role for tryptophan metabolites and effects of xanthurenic acid on insulin. Kotake Y, et al. Am J Clin Nutr 24:836-9, Jul 71
The role of tryptophan metabolites in regulating gluconeogenesis. Lardy HA.
Am J Clin Nutr 24:764-5, Jul 71
Quantitative aspects of tryptophan metabolism in humans and other species: a review. Lekiem JE.
Am J Clin Nutr 24:659-72, Jun 71 (91 ref.)
Effects of tryptophan metabolites on enzymes of oxidative phosphorylation. Quagliariello E, et al.
Am J Clin Nutr 24:751-63, Jul 71
Studies of tryptophan metabolism in experimental animals and man during infectious illness. Rapoport MI, et al. Am J Clin Nutr 24:807-14, Jul 71
Effects of amino acid derivatives and drugs on the metabolism of tryptophan. Sourkes TL.
Am J Clin Nutr 24:815-20, Jul 71
Hormonal alteration of efficiency of conversion of tryptophan to urinary metabolites of niacin in man. Wolf H. Am J Clin Nutr 24:792-9, Jul 71
A possible role of urinary metabolites of tryptophan in the heterotopic recurrence of bladder cancer in man. Yoshida O, et al. Am J Clin Nutr 24:848-51, Jul 71
Biochemistry and pathology of tryptoPHAN METABOLISM AND ITS REGULATION BY AMINO ACIDS, vitamin B 6 and steroid hormones.
Am J Clin Nutr 24:851-746 contd, Jun 71
Microperfusion studies on renal tubular transport of tryptophan derivatives in rats. Chan YL, et al.
Am J Physiol 221:575-9, Aug 71
In vitro and in vivo renal tubular transport of tryptophan derivatives. Williams WM, et al.
Am J Physiol 219:1468-74, Nov 70
Tryptophan metabolism in the cat: a study with carbon-14-labeled compounds. Lekiem JE, et al.
Am J Vet Res 32:335-44, Feb 71
A disorder of tryptophan metabolism in chronic granulomatous disease. Heeley AF, et al.
Arch Dis Child 45:485-90, Aug 70
Effect of actinomycin D on the distribution of ingested tryptophan in the rat. Yatvin MB.
Arch Int Physiol Biochim 78:808-10, Aug 70
Identification of an error in the tryptophan--niacin pathway in carriers of some dermatoses conditioned or aggravated by sunlight. Binazzi M, et al.
Arch Klin Exp Dermatol 239:368-76, 1971
Tryptophan uptake and tryptophan oxygenase activity in mice. Francesconi RP, et al.
Biochem Biophys Res Commun 41:1494-500, 24 Dec 70
Tryptophan catabolism during sporulation in Bacillus cereus. Prasad C, et al. Biochem J 119:343-9, Sep 70
The effect of tryptophan metabolites on brain 5-hydroxytryptamine metabolism. Green AR, et al.
Biochem Pharmacol 19:2061-8, Jun 70
Studies on the effect of reserpine therapy on the functional capacity of the tryptophan-niacin pathway in smoker and non-smoker males. el-Zoghby SM, et al.
Biochem Pharmacol 19:1661-7, May 70
Tryptophan oxygenase and tryptophan metabolism in endotoxin-poisoned and allopurinol-treated mice. Moon RJ. Biochim Biophys Acta 230:342-8, 23 Feb 71
Ontogenesis of phenylalanine and tryptophan hydroxylation in rat brain and liver. Wapnir RA, et al.
Biol Neonate 18:85-93, 1971
Placental transfer of amino acids in the rat. II. Aromatic amino acids. Wapnir RA, et al.
Biol Neonate 17:373-80, 1971
Actions of phenelzine on the interactions of the metabolism of tryptophan and dopamine in brain. Moir AT, et al. Br J Pharmacol 40:563P+, Nov 70
Tryptophan pyrrolase and depressive illness. Dewhurst WG. Br J Psychiatry 117:235-6, Aug 70
The influence of sex, age, synthetic oestrogens, progestogens and oral contraceptives on the excretion of urinary tryptophan metabolites. Mourst GE, et al. Bull WHO 43:851-61, 1970
Differences in tryptophan metabolism between breast cancer patients with and without cancer at other sites. DeGeorge FV, et al. Cancer 26:767-70, Oct 70
Effect of complex formation on the intestinal absorption of tryptophan. Kakemi K, et al.
Chem Pharm Bull (Tokyo) 18:2176-82, Nov 70
The influence of nicotinamide on the urinary excretion of tryptophan metabolites in Hodgkin's disease. Muggeo M, et al. Clin Chim Acta 30:779-85, Dec 70
The effect of tryptophan load and vitamin B 6 supplementation on urinary excretion of tryptophan metabolites in human male subjects. Wolf H, et al.
Clin Sci 41:237-48, Sep 71
The effect of L-dopa on the concentrations of tryptophan, tyrosine and serotonin in rat brain. Karobath M, et al. Eur J Immunol 1:393-6, May 71
Alpha-methyltryptophan and its actions on tryptophan metabolism. Sourkes TL.
Fed Proc 30:897-903, May-Jun 71
Biosynthesis of pyrroinitrins by analogue-resistant mutants of Pseudomonas fluorescens. Elander RP, et al. Folia Microbiol (Praha) 16:156-65, 1971
Role of endogenous tryptophan during submerged fermentation of ergot alkaloids. Rehůček Z, et al.
Folia Microbiol (Praha) 16:35-40, 1971
Isolation of a tryptophan--requiring mutant of Ophiostoma multiannulatum. Zetterberg G, et al.
Hereditas 62:97-104, 1969
Quantitative aspects of D- and L-tryptophan utilization by the young pig. Baker DH, et al.
J Anim Sci 33:42-6, Jul 71
Maintenance and exchange of the aromatic amino acid pool in Escherichia coli. Brown KD.
J Bacteriol 106:70-81, Apr 71
Histidine-mediated control of tryptophan biosynthetic enzymes in Neurospora crassa. Carsiotis M, et al.
J Bacteriol 104:98-106, Oct 70
Control of tryptophan biosynthesis by the methyltryptophan resistance gene in Bacillus subtilis. Hoch SO, et al. J Bacteriol 105:38-45, Jan 71
Transport of aromatic amino acids by Pseudomonas aeruginosa. Kay WW, et al.
J Bacteriol 105:1039-46, Mar 71
Evidence that tryptophanyl transfer ribonucleic acid is not the corepressor of the tryptophan operon of Escherichia coli. Mosteller RD, et al.
J Bacteriol 105:268-75, Jan 71
Tryptophan transport in Neurospora crassa: a tryptophan-binding protein released by cold osmotic shock. Wiley WR. J Bacteriol 103:656-62, Sep 70
Structural studies and organic ligand-binding properties of bovine plasma albumin. King TP, et al.
J Biol Chem 245:6134-48, 25 Nov 70
Determination of metabolites of tyrosine and of tryptophan and related compounds by gas-liquid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chromatography. Albro PW, et al.
J Chromatogr 55:297-302, 3 Mar 71
Gas chromatographic analysis of tryptophan metabolites. Noguchi T, et al.
J Chromatogr 55:291-5, 3 Mar 71
Tryptophan transport across the synaptosomal membrane. Grahame-Smith DG, et al.
J Neurochem 17:1339-53, Sep 70
Studies in vivo on the relationship between brain tryptophan, brain 5-HT synthesis and hyperactivity in rats treated with a monoamine oxidase inhibitor and L-tryptophan. Grahame-Smith DG.
J Neurochem 18:1053-66, Jun 71
Relationship between alternate routes of tryptophan metabolism following administration of tryptophan peroxidase inducers or stressors. Yuwiler A, et al.
J Neurochem 18:593-9, Apr 71
Tryptophan metabolism in depression. Curzon G, et al.
J Neurol Neurosurg Psychiatry 33:696-704, Oct 70
Production of D-kynurenine and other metabolites from D-tryptophan by the intact rabbit and by rabbit tissue. Loh HH, et al. J Nutr 101:465-75, Apr 71
Effects of cocaine and amphetamine on the metabolism of tryptophan and 5-hydroxytryptamine in mouse brain in vivo. Schubert J, et al.
J Pharm Pharmacol 22:860-2, Nov 70
Pyridoxine and oral contraceptives. Luhby AL, et al.
Lancet 2:1083, 21 Nov 70
Stimulation of [14 C] tryptophan 5-hydroxylation by norepinephrine and dibutyryl adenosine 3', 5' monophosphate in rat pineal organ cultures. Shein HM, et al. Life Sci [I] 10:935-40, 15 Aug 71
Tryptophan-5-hydroxylase in rat small intestine. Noguchi T, et al. Life Sci [II] 10:583-9, 22 May 71
Stimulation of(14C)serotonin synthesis from (14C)tryptophan by mescaline in rat pineal organ cultures. Shein HM, et al.
Life Sci [II] 10:273-82, 8 Mar 71
The effect of carbon disulphide on tryptophan metabolism. Kujalova V, et al.
Med Lav 61:227-31, Apr 70
Some observations concerning mammalian indoxyl metabolism and its relationship to the formation of urinary indigo pigments. Sapira JD, et al.
Metabolism 20:474-86, May 71
Expression of the tryptophan operon in merodiploids of Escherichia coli. I. Gene dosage, gene position and marker effects. Stetson H, et al.
Mol Gen Genet 111:342-51, 1971
Evidence for premature termination of transcription of the tryptophan operon in polarity mutants of Escherichia coli. Imamoto F.
Nature (Lond) 228:232-5, 17 Oct 70
Tryptophan induction of the serotonin and kynurenine pathways in the early amphibian embryo. Kostellow AB, et al. Nature [New Biol] 231:119-21, 26 May 71
Regulation of mRNA utilization and degradation by amino-acid starvation. Morse DE, et al.
Nature [New Biol] 232:165-9, 11 Aug 71
Increase of brain tryptophan caused by drugs which stimulate serotonin synthesis. Tagliamonte A, et al.
Nature [New Biol] 229:125-6, 27 Jan 71
Excretion of kynurenic acid and xanthurenic acid during infection. Shaw RC, et al.
Pediatrics 47:47-56, Jan 71
Factors influencing the microbiological degradation of choline and tryptophan in man. Roe D, et al.
Proc Soc Exp Biol Med 137:1032-6, Jul 71
[Pellagroid syndrome with pseudo-myopathic signs cured with pyridoxine] Lambertz J, et al.
Ann Pediatr (Paris) 17:889-95, 2 Dec 70 (Fre)
[Pellagroid erythema with tryptophan metabolism disorder] Larrègue M, et al.
Bull Soc Fr Dermatol Syphiligr 77:885-7, 1970 (Fre)
[Active storage of tryptophan in the isolated rat cerebral cortex] Barbosa E, et al.
C R Soc Biol (Paris) 164:345-50, 25 Sep 70 (Fre)
[Tryptophan metabolism i patients wih pellagra] Brune GG, et al. Arch Dermatol Forsch 40:44-54, 1970 (Ger)
[Tryptophan metabolism in patients with pellagra] Brune GG, et al.
Arch Dermatol Forsch 240:44-54, 1970 (Ger)
[Influence of steroid preparations with hormonal activity on the metabolism of L-trypthophan in infants] Tolckmitt W.
Arch Kinderheilkd 181:158-68, 1970 (Ger)
[Biochemical mechanism of action of nicotinic acid, nicotinamide, methionine and D-penicillamine in treatment of psychoses] Kanig K.
Arzneim Forsch 20:909-11, Jul 70 (Ger)
[Chronic urticaria and vitamin B6 dependent disorders in tryptophan metabolism] Knapp A, et al.
Dermatol Monatsschr 156:175-83, 1970 (Ger)
[Changes of natural irradiation resistance of the mouse after several days in hypoxic state. Enzyme activities of tryptophan and cysteine metabolism] Streffer C, et al. Strahlentherapie 139:626-33, May 70 (Ger)
[Tryptophan metabolism in organic psychoses] Brune GG. Verh Dtsch Ges Inn Med 75:735-8, 1969 (Ger)
[Tryptophan metabolism in pyridoxine-dependent convulsions] Kochen W.
Z Klin Chem Klin Biochem 9:155-63, Mar 71 (Ger)
[Some aspects of tryptophan metabolism in rats treated with lithium carbonate] Cabibbe F.
Acta Neurol (Napoli) 24:557-60, Jul-Aug 69 (Ita)
[The tryptophan-nicotinic acid metabolism pathway in experimental phenylketonuria] Cabibbe F, et al.
Acta Neurol (Napoli) 24:651-6, Jul-Aug 69 (Ita)
[Studies on the lipid pattern and tryptophan metabolism in rats with biotin deficiency] Bonollo L.
Acta Vitaminol Enzymol (Milano) 23:225-9, 1969 (Ita)
[Discriminatory analysis of data on tryptophan metabolism in patients with rheumatoid arthritis and normal subjects after amino acid load test] Marcolongo R, et al.
Acta Vitaminol Enzymol (Milano) 24:214-8, 1970 (Ita)
[Changes of tryptophan-nicotinic acid metabolism and the blood levels of ceruloplasmin and transferrin during pregnancy and treatment with contraceptives or estrogens] Meani A, et al.
Acta Vitaminol Enzymol (Milano) 24:231-5, 1970 (Ita)
[Effects of corticosteroid treatment repeated at short intervals on tryptophan-nicotinic acid pathway in man] Pasquariello G, et al.
Acta Vitaminol Enzymol (Milano) 24:11-4, 1970 (Ita)
[Disturbances in tryptophan metabolism in some skin diseases] Kostrzewa J.
Przegl Dermatol 57:687-93, Sep-Oct 70 (14 ref.) (Pol)
[Correlation between disturbances of tryptophan metabolism induced by methionine and nialamide administration and changes of the mental state in chronic schizophrenic patients] Jus A, et al.
Psychiatr Pol 4:365-71, Jul-Aug 70 (Pol)
[Tryptophan and its metabolism in schizophrenia] Szafranek J, et al.
Psychiatr Pol 4:585-8, 1970 (40 ref.) (Pol)
[Tyrosine and tryptophan metabolism in the livers of traumatized white rats] Lan NN, et al.
Biull Eksp Biol Med 66:59-61, 1968 (Rus)
[Radioautographic study of the inclusion of H3-tryptophan into porous connective tissue cells] Khrushchov NG.
Dokl Akad Nauk SSSR 197:1429-31, 21 Apr 71 (Rus)
[Chromatographic separation of tryptophan metabolites on thin-layer silica gel] Kniazev IuA, et al.
Lab Delo 2:114-7, 1971 (Rus)
[Some aspects of the metabolism and balance of tryptophan in patients with Far Eastern hemorrhagic fever with renal syndrome] Kontsevaia NG.
Ter Arkh 42:42-5, Sep 70 (Rus)
[Clinical examples of tryptophan metabolism disorders] Allgén LG.
Nord Med 85:943-4, 5 Aug 71 (Swe)

PHARMACODYNAMICS

Studies on the mechanism of tryptophan induction of certain hepatic enzymes. Kido R, et al.
Am J Clin Nutr 24:766-9, Jul 71
Effects on net plasma protein synthesis of removal of L-tryptophan or L-threonine from a complete amino acid mixture: studies in the isolated perfused rat liver. Miller LL, et al. Am J Clin Nutr 24:718-29, Jun 71
Effect of tryptophan on polyribosomes and protein synthesis in liver. Sidransky H, et al.
Am J Clin Nutr 24:779-85, Jul 71
The effect of feeding with a tryptophan-free amino acid mixture on rat liver magnesium ion-activated deoxyribonucleic acid-dependent ribonucleic acid polymerase. Henderson AR.
Biochem J 120:205-14, Nov 70
Inhibition of hepatic protein synthesis by alpha-methyl-DL-tryptophan in vivo. Further studies on the glyconeogenic action of alpha-methyltryptophan. Oravec M, et al.
Biochemistry 9:4458-64, 27 Oct 70
End product control of tryptophan biosynthesis in extracts and intact cells of the higher plant Nicotiana tabacum var. Wisconsin 38. Beiser WL, et al.
Biochim Biophys Acta 237:1-10, 20 Apr 71
Increased resistance of DNA replication to ultraviolet light damage in amino acid-starved bacteria. Doudney CO. Biochim Biophys Acta 238:57-66, 1 Jan 71
Electrophysiological studies on the brain. Effects of nucleotide and tryptophan metabolites as modified by polyamines in normal and psychotic subjects. Cowen MA. Dis Nerv Syst 31:772-80, Nov 70
Alpha-methyltryptophan and its actions on tryptophan metabolism. Sourkes TL.
Fed Proc 30:897-903, May-Jun 71
Effect of DL-tryptophan on tumorigenesis in the urinary bladder and liver of rats treated with N-nitrosodibutylamine. Okajima E, et al.
Gann 62:163-9, Jun 71
Lysine, methionine and tryptophan supplementation of a corn-meat and bone meal diet for growing swine. Stockland WL, et al. J Anim Sci 32:262-7, Feb 71
Effect of nutrient concentration on the growth of Escherichia coli. Shehata TE, et al.
J Bacteriol 107:210-6, Jul 71
Alcohol-induced depression of albumin synthesis: reversal by tryptophan. Rothschild MA, et al.
J Clin Invest 50:1813-8, Sep 71
Studies in vivo on the relationship between brain tryptophan, brain 5-HT synthesis and hyperactivity in rats treated with a monoamine oxidase inhibitor and L-tryptophan. Grahame-Smith DG.
J Neurochem 18:1053-66, Jun 71
Decrease of cerebral serotonin and 5-hydroxyindolylacetic acid caused by (-)-alpha-methyltryptophan. Sourkes TL, et al.
J Neurochem 17:111-5, Jan 70
Evidence for a linear correlation between the level of dietary tryptophan and hepatic NAD concentration and for a systematic variation in tissue NAD concentration in the mouse and the rat. Powanda MC, et al. J Nutr 100:1471-8, Dec 70
L-tryptophan as an antidepressant. Carroll BJ, et al.
Lancet 1:915, 1 May 71
L-tryptophan as a physiological hypnotic. Hartmann E.
Lancet 1:967, 17 Apr 71
Effects of L-tryptophan (a natural sedative) on human sleep. Wyatt RJ, et al. Lancet 2:842-6, 24 Oct 70
A novel method of reducing the concentration of brain serotonin: use of alpha-methyltryptophan. Sourkes TL, et al. Laval Med 41:897-8, Sep 70
Influence of methionine, lysine and tryptophan upon food intake and production responses in laying chickens. Gleaves EW, et al.
Poult Sci 49:1687-92, Nov 70
Biochemical analogue of immunological tolerance: specificity and role of the adrenal. Bekkum DW van, et al. Rev Eur Etud Clin Biol 15:638-48, Jun-Jul 70
The effect of the administration of L-tryptophan on synthesis of urea and gluconeogenesis in man. Fürst P, et al. Scand J Clin Lab Invest 27:183-91, Apr 71
Histochemical fluorescence of raphe neurons: selective enhancement by tryptophan. Aghajanian GK, et al.
Science 172:1159-61, 11 Jun 71
Effect of tryptophan on toxicity and depressant effects of barbiturates and ethanol in rats. Jarowski CI, et al.
Toxicol Appl Pharmacol 18:803-6, Mar 71
[Serotoninergic systems and the problem of false transmitters] Roberge AG, et al.
Union Med Can 100:475-9, Mar 71 (Fre)
[Urinary excretion of metabolites of the tryptophan-nicotinic acid line after repeated tryptophan load] Mainardi L, et al.
Acta Vitaminol Enzymol (Milano) 24:15-9, 1970 (Ita)
[Effect of DL-tryptophane on experimental caries in the rat] Coronelli E, et al.
Rass Trimest Odontoiatr 51:201-5, Oct-Dec 70 (Ita)
[Character of central serotonin-reactive structures causing depressing effect of 5-oxytryptophan on the fear reaction in cats] Glushko LF, et al.
Biull Eksp Biol Med 68:47-9, Nov 69 (Rus)
[Toxic effect of carbon disulfide on the function of reproduction and increase in the effect produced by tryptophan] Iaroslavskiĭ VK.
Biull Eksp Biol Med 68:88-91, Oct 69 (Rus)
[Role of central serotoninergic processes in the occurrence of the phenomenon of head shaking in mice and rats due to tryptophan] Oksenkrug GF, et al.
Biull Eksp Biol Med 72:55-7, Jul 71 (Rus)

PHYSIOLOGY

Brain serotonin content: physiological dependence on plasma tryptophan levels. Fernstrom JD, et al.
Science 173:149-52, 9 Jul 71

RADIATION EFFECTS

Photosensitized splitting of pyrimidine dimers by indole derivatives. Helene C, et al.
Biochem Biophys Res Commun 43:252-7, 16 Apr 71
Flavin-sensitized photooxidations of tryptophan and tyrosine. Ying-Hsiueh Wu F, et al.
Biochim Biophys Acta 236:479-86, 25 May 71
[Photosensitized formation of free radicals in the peptide group] Il'iasova VB, et al.
Biofizika 16:11-8, Jan-Feb 71 (Rus)

THERAPEUTIC USE

Studies of alpha-methyl-para-tyrosine, L-dopa, and L-tryptophan in depression and mania. Bunney WE Jr, et al. Am J Psychiatry 127:872-81, Jan 71
Monoamine precursors in the treatment of depression. Carroll BJ.
Clin Pharmacol Ther 12:743-61, Sep-Oct 71 (150 ref.)
L-Tryptophane and sleep. Hartmann E, et al.
Psychopharmacologia 19:114-27, 1971

TOXICITY

Modification of the toxic actions of l-tryptophan by pargyline and p-chlorophenylalanine. Hortia A, et al.
Biochem Pharmacol 19:1521-4, Apr 70

URINE

Excretion of tryptophan metabolites as affected by pregnancy, contraceptive steroids, and steroid hormones. Rose DP, et al.
Am J Clin Nutr 24:673-82, Jun 71 (36 ref.)
The effect of tryptophan load and vitamin B 6 supplementation on urinary excretion of tryptophan metabolites in human male subjects. Wolf H, et al.
Clin Sci 41:237-43, Sep 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[A study on the metabolism of tryptophan in the urine of patients with bladder cancer] Okawa M. Jap J Urol 61:1039-57, Nov 70 (Jap)
[Tryptophan metabolites in the urine of patients with cancer of the urinary bladder] Kvirikadze NA. Vopr Onkol 16:76, 1970 (Rus)

TRYPTOPHAN OXYGENASE (D9)

Gene modulation in Drosophila: dosage compensation and relocated v + genes. Tobler J, et al. Biochem Genet 5:111-7, Apr 71
Kinetic evidence indicating the absence during catalysis of an unbound ferroprotoporphyrin form of tryptophan oxygenase. Forman HJ, et al. Biochemistry 10:760-3, 2 Mar 71
The oxygenated form of L-tryptophan 2,3-dioxygenase as reaction intermediate. Ishimura Y, et al. J Biol Chem 245:3593-602, 25 Jul 70
A proposed reaction mechanism of tryptophan oxygenase. Tanaka H, et al. Wakayama Med Rep 14:77-80, Sep 70
[An inducible enzyme: tryptophan pyrrolase] Marquillo CL, et al. Rev Clin Esp 120:91-6, 31 Jan 71 (61 ref.) (Spa)

ANALYSIS

Abnormal tryptophan metabolism in pregnancy and with the oral contraceptive pill. I. Specific effects of an oral estrogenic contraceptive steroid on the tryptophan oxygenase and two aminotransferase activities in livers of ovariectomized-adrenalectomized rats. Brin M. Am J Clin Nutr 24:699-703, Jun 71
Relationship between urinary excretion of kynurenine and liver tryptophan oxygenase activity. Greengard O. Am J Clin Nutr 24:709-11, Jun 71
Growth hormone and tryptophan oxygenase activity. Korner A. Am J Clin Nutr 24:712-7, Jun 71
Differential sedimentation studies of allosteric interactions in Pseudomonas tryptophan oxygenase. Poillon WN, et al. Biochemistry 10:753-60, 2 Mar 71
Stimulation of two adaptive rat liver enzymes by quinolinic acid as a function of time. Hardeland R. Life Sci [II] 9:901-5, 22 Aug 70

ANTAGONISTS & INHIBITORS

Inhibition of brain tryptophan 5-monooxygenase by aquayamycin. Hayaishi O, et al. Biochem Biophys Res Commun 39:643-50, 22 May 70
Inhibition of tryptophan oxygenase in rat liver by steroid hormones. Braidman IP, et al. Biochem J 118:7P-8P, Jun 70
Role of an isoacceptor transfer ribonucleic acid as an enzyme inhibitor: effect on tryptophan pyrrolase of Drosophila. Jacobson KB. Nature [New Biol] 231:17-9, 5 May 71
[Inhibition mechanism of rat liver tryptophan oxygenase activities by FR] Sakuma R, et al. Med Biol (Tokyo) 81:317-20, 10 Dec 70 (Jap)

BIOSYNTHESIS

Effect of actinomycin D on the distribution of ingested tryptophan in the rat. Yatvin MB. Arch Int Physiol Biochim 78:806-10, Aug 70
Glucose effect on tryptophan oxygenase and tyrosine aminotransferase induction after allylisopropylacetamide-induced porphyria in the rat. Wetterberg L, et al. Biochem Pharmacol 19:2833-8, Nov 70
Alterations in induction of tyrosine aminotransferase and tryptophan oxygenase by glucose pretreatment. Yuwiler A, et al. Biochim Biophys Acta 208:428-33, Jun 70
Tryptophan induction of the serotonin and kynurenine pathways in the early amphibian embryo. Kostellow AB, et al. Nature [New Biol] 231:119-21, 26 May 71
[Inhibition by ethionine of Soman-induced enzyme biosynthesis in rat liver] Domschke W, et al. Arch Toxikol 26:142-8, 1970 (Ger)
[Effects of pyridine structures on hepatic tryptophan pyrrolase] Chiancone FM, et al. Acta Vitaminol Enzymol (Milano) 24:113-7, 1970 (Ita)
[Inhibition of catabolic enzyme synthesis in Escherichia coli mutants with different defects in the glucose utilization system] Gershanovich VN, et al. Biokhimiia 35:79-84, 1970 (Rus)

METABOLISM

Tryptophan metabolism in patients with pellagra: problem of vitamin B 6 enzyme activity and feedback control of tryptophan pyrrolase enzyme. Hankes LV, et al. Am J Clin Nutr 24:730-9, Jun 71
The role of tryptophan pyrrolase adaptation in the excretion of xanthurenic acid by rats deficient in vitamin B 6. Milholland RJ, et al. Am J Clin Nutr 24:740-6, Jun 71
Studies of tryptophan metabolism in experimental animals and man during infectious illness. Rapoport MI, et al. Am J Clin Nutr 24:807-14, Jul 71
Tryptophan uptake and tryptophan oxygenase activity in mice. Francesconi RP, et al. Biochem Biophys Res Commun 41:1494-500, 24 Dec 70
Tryptophan oxygenase and tryptophan metabolism in endotoxin-poisoned and allopurinol-treated mice. Moon RJ. Biochim Biophys Acta 230:342-8, 23 Feb 71
Effects of exogenous histones upon the induction of tryptophan pyrrolase and tyrosine transaminase in liver and Morris hepatomas. Strobel HW Jr, et al. Cancer Res 30:1075-80, Apr 70
Effect of glutathione and cysteine on rat liver tryptophan oxygenase activity. Ishiguro I, et al. Chem Pharm Bull (Tokyo) 19:617-23, Mar 71
Activation of liver tryptophan pyrrolase of rat by isocarboxazid in vivo. Satoh T. Enzyme 12:124-8, 1971
Effect of acetoacetate on certain adaptive enzymes in rat liver. Nath MC, et al. Indian J Biochem 7:204-5, Sep 70
Catabolite repression of tryptophanase in Escherichia coli. Botsford JL, et al. J Bacteriol 105:303-12, Jan 71
Tryptophanase-positive bacteria in the marine environment. Klug MJ, et al. J Bacteriol 106:283-5, Apr 71
Regulation of tryptophan pyrrolase activity in Xanthomonas pruni. Wagner C, et al. J Bacteriol 104:90-7, Oct 70
Different effect of aflatoxin on the induction of tryptophan oxygenase and of microsomal drug-hydroxylase system. Kato R, et al. J Biochem (Tokyo) 68:589-92, Oct 70
Tryptophan oxygenase in the rat liver. Bened J, et al. Physiol Bohemoslov 19:145-51, 1970
Biochemical analogue of immunological tolerance: specificity and role of the adrenal. Bekkum DW van, et al. Rev Eur Etud Clin Biol 15:638-48, Jun-Jul 70
[Effect of ethyl-p-nitrophenyl phenylphosphonothiate (EPN) on tryptophan pyrrolase activity in relation to miosis and change in serum cholinesterase activities] Sato T, et al. Folia Pharmacol Jap 66:387-93, 20 Jul 70 (Jap)
[Significance of liver tryptophan oxygenase activity in mice for the outcome of endotoxin poisoning] Goncharova VI, et al. Biull Eksp Biol Med 70:34-6, Dec 70 (Rus)
[Effect of Eleuterococcus and ginseng extracts on the activity and adaptive synthesis of tryptophan pyrrolase in rats] Brekhman II, et al. Izv Akad Nauk SSSR [Biol] 1:31-7, Jan-Feb 71 (Rus)
[Effect of exogenous RNA on liver tryptophan pyrrolase] Chernukh AM, et al. Vopr Med Khim 17:184-8, Mar-Apr 71 (Rus)

TRYPTOPHAN PYRROLASE see TRYPTOPHAN OXYGENASE (D9)

TSETSE FLIES (B1)

Comparison of the susceptibility of infection with Trypanosoma rhodesiense of Glossina palpidipes, G. morsitans, G. fuscipes and G. brevipalpis. Harley JM. Ann Trop Med Parasitol 65:185-9, Jun 71
The influence of the age of the fly at the time of the infecting feed on infection of Glossina fuscipes with Trypanosoma rhodesiense. Harley JM. Ann Trop Med Parasitol 65:191-6, Jun 71
Survey for trypanosome infections in domestic cattle and wild animals in areas of East Africa. 3. Salivarian trypanosome infections in cattle in relation to the Glossina distribution in Busoga District, Uganda. Wain EB, et al. Br Vet J 126:634-41, Dec 70
Recovery of viable trypanosomatid flagellates from naturally infected tsetse flies and phlebotomine sandflies, previously preserved whole in liquid nitrogen (preliminary note). Minter DM, et al. Trans R Soc Trop Med Hyg 64:789-90, 1970
The preservation in liquid nitrogen of tsetse flies and phlebotomine sandflies naturally infected with trypanosomatid flagellates. Minter DM, et al. Trans R Soc Trop Med Hyg 65:175-81, 1971
Immunological aspects of bovine trypanosomiasis. II. Antigenic variation in a strain of Trypanosoma congolense transmitted by Glossina morsitans. Wilson AJ, et al. Trans R Soc Trop Med Hyg 64:818-21, 1970
[Brief study of Glossina distribution in the Ethiopian empire] Balis J, et al. Rev Elev Med Vet Pays Trop 23:181-7, 1970 (Fre)
[Description of an apparatus for the stocking of female tsetse flies and for the collection of pupae] Itard J, et al. Rev Elev Med Vet Pays Trop 22:289-92, 1969 (Fre)
[Effects of low temperatures on tsetse flies and its indications] Mailiot L. Rev Elev Med Vet Pays Trop 23:327-31, 1970 (Fre)
[Attempted cyclic transmission of the congolense group of Trypanosoma] Mailiot L. Rev Elev Med Vet Pays Trop 23:189-93, 1970 (Fre)
[Experimental spraying from helicopters of the border forests along the Niger river for tsetse fly control. Influence of droplet size of Multanin-fluid-3 on its period of effectiveness] Spielberger U, et al. Berl Munch Tieraerztl Wochenschr 84:132-5, 1 Apr 71 (Ger)

ANALYSIS

Pteridines in flies of the genus Glossina (Diptera). Harmsen R. Acta Trop (Basel) 27:165-72, 1970

CYTOLOGY

Ultrastructure of the peritrophic membrane formation in Glossina Wiedemann. Moloo SK, et al. Acta Trop (Basel) 27:378-83, 1970
Preliminary studies on the karyotypes of five species of Glossina. Maudlin I. Parasitology 61:71-4, Aug 70

GROWTH & DEVELOPMENT

Problems and prospects offered by the tsetse artificial breeding. Azevedo JF de, et al. An Esc Naci Saude Publica Med Trop (Lisb) 3:125-35, Jan-Dec 69
Effects of carbon dioxide and nitrogen on Glossina morsitans orientalis Vanderplank. Birkenmeyer DR, et al. Ann Trop Med Parasitol 64:269-75, Sep 70
[Relations between the length of the nymphal cycle and the original weight of the pupa (G. morsitans)] Mailiot L. Rev Elev Med Vet Pays Trop 23:195-8, 1970 (Fre)
[Control of trypanosomiasis in dairies in Dar es Salaam. IV. Distribution of tsetse flies] Robertson DC, et al. Berl Munch Tieraerztl Wochenschr 83:193-6, 15 May 70 (Ger)

PHYSIOLOGY

Feeding and crop emptying in Glossina brevipalpis Newstead. Moloo SK, et al. Acta Trop (Basel) 27:356-77, 1970
Supercontracting and non-supercontracting visceral muscles in the tsetse fly, Glossina austeni. Rice MJ. J Insect Physiol 16:1109-22, Jun 70
Characteristics of spontaneous activity in tsetse flies. Brady J. Nature (Lond) 228:286-7, 17 Oct 70
Function of reslin in tsetse fly seeding mechanism. Rice RJ. Nature (Lond) 228:1337-8, 26 Dec 70
[Note on modalities of insemination in Glossina (Diptera-Muscidae)] Tibayrenc R, et al. Rev Elev Med Vet Pays Trop 23:333-5, 1970 (Fre)

T.S.H. see THYROTROPIN (D8)

TSUTSUGAMUSHI see SCRUB TYPHUS (C1)

TUBE FEEDING (E2, E4)

see also related GASTROSTOMY (E4)

Use of a chemically defined, liquid, elemental diet for nutritional management of fistulas of the alimentary tract. Bury KD, et al. Am J Surg 121:174-83, Feb 71
Oral or nasogastric maintenance therapy in pediatric cholera patients. Nalin DR, et al. J Pediatr 78:355-8, Feb 71
Cervical pharyngostomy for tube feeding. Noone RR, et al. JAMA 216:334, 12 Apr 71
Hypopharyngotomy. Shilling BB. Laryngoscope 81:1119-25, Jul 71
Infection of the tick Rhipicephalus appendiculatus with Theileria parva using an artificial feeding technique. Purnell RE. Res Vet Sci 11:403-5, Jul 70
Suppression of food intake with intragastric loading: relation to natural feeding cycle. Quartermain D, et al. Science 173:941-3, 3 Sep 71
Prevention of hepatic injury after jejuno-ileal bypass by supplemental jejunostomy feedings. McClelland RN, et al. Surg Forum 21:368-70, 1970
[Problems of artificial feeding in patients with severe forms of tetanus] Zifko K, et al. Roshl Chir 50:215-22, Apr 71 (Cze)
[Nutrition jejunostomies] Hertz C, et al. Bull Mem Soc Chir Paris 60:252-4, 1970 (Fre)
[Nutrition of the severely burned] Rohan JE, et al. Therapie 26:329-38, Mar-Apr 71 (Fre)
[Catheterization technic for therapy of inanition in esophageal stenosis] Gradaus D, et al. Med Welt 30:1349-53, 25 Jul 70 (Ger)
[On the use of the Mousseau-Barbin probes in the palliative therapy of esophageal neoplasms which can not be treated surgically] De Cecco L, et al. Chir Ital 20:1031-47, Oct 68 (Ita)
[New trial in creation of colon-stomach fistula for tube feeding as a preliminary measure in radical surgery of esophageal cancer] Takahashi M, et al. Shujutsu 24:1467-72, Dec 70 (Jap)
[Transgastrostomy jejunal catheterization for immediate drinking and feeding in surgery of megaesophagus. Preliminary note] Siqueira CJ de. Hospital (Rio de J) 77:887-8, Mar 70 (Por)

TUBER CINEREUM see under HYPOTHALAMUS (A8)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TUBERCULIN (D12)

Delayed hypersensitivity in the guinea pig immunized with killed tubercle bacilli in adjuvant. 2. The effect of tuberculin purified protein derivative concentration on the inhibition of peritoneal cell migration. Kostiala AA.
Acta Pathol Microbiol Scand [B] 79:281-4, 1971

Delayed hypersensitivity in the guinea pig immunized with killed tubercle bacilli in adjuvant. 1. Development of peritoneal cell migration inhibition, skin reactions and antibodies to tuberculin purified protein derivative. Kostiala AA.
Acta Pathol Microbiol Scand [B] 79:275-80, 1971

Comparative study of 14C-labeled purified protein derivative from various mycobacteria. II. Skin cross-reactivity in sensitized guinea pigs. Landi S, et al. Appl Microbiol 20:704-9, Nov 70

Tuberculin energy. Munster AM. Br Med J 2:43, 3 Apr 71

A comparative study of tuberculin and refined lepromin in leprosy. Choudhuri SK, et al.
Bull Calcutta Sch Trop Med 17:11-2, Jan 69

Evaluation of various substances to prevent adsorption of tuberculin purified protein derivative (PPD) to glass surfaces. Landi S, et al. Bull WHO 43:91-106, 1970

In vitro studies of delayed hypersensitivity: inhibition of macrophages spreading in rats sensitive to tuberculin and diphtheria toxoid. Dekaris D, et al. Immunology 20:363-72, Mar 71

Cell mediated immune reactions "in vitro". Reactivity of lymphocytes from animals sensitized to chicken erythrocytes, tuberculin or transplantation antigens. Chapuis B, et al.
Int Arch Allergy Appl Immunol 40:321-39, 1971

Antibody induced lysis of PPD-coated chicken erythrocytes by spleen cells of non-immunized guinea pigs. Wasserman J, et al.
Int Arch Allergy Appl Immunol 40:905-16, 1971

Epidemiological study of anonymous mycobacteria infection using three types of tuberculins. Najem GR.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:1-8, 1971

Comparison of lymphocyte transformation, inhibition of macrophage migration and skin tests using dialyzable and nondialyzable tuberculin fractions from Mycobacterium bovis (BCG). Chaparas SD, et al.
J Immunol 107:149-53, Jul 71

Release of virus inhibitor from tuberculin-sensitized peritoneal cells stimulated by antigen. Milstone LM, et al. J Immunol 105:1068-71, Nov 70

Tuberculin receptor site on sensitized human lymphocytes: a reply to Dr Fang's criticism. Coulson AS, et al. J Theor Biol 31:555-6, Jun 71

[Contribution to the immuno-morphology of sensitization. 8. Histoenzymological study of sensitized pulmonary tissue and the pulmonary reaction of hypersensitization to tuberculoprotein] Eskenasy A, et al.
Ann Histochim 16:73-80, Jan-Mar 71 (Fre)

[Tuberculinic cutaneous allergy and blast transformation of lymphocytes cultivated in vitro in the presence of tuberculin. Correlations in 208 aged patients] Lewi S.
Ann Inst Pasteur (Paris) 119:630-45, Nov 70 (Fre)

[Elastic transformation in presence of tuberculin antigens of lymphocytes of children vaccinated against rubella] Moschini L, et al.
Minerva Pediatr 23:375-8, 3 Mar 71 (Ita)

[Mechanism of the reaction of blood neutrophils to antigens] Fradkin VA.
Zh Mikrobiol Epidemiol Immunobiol 47:119-24, Jul 70 (Rus)

[Comparative study on tuberculin sensitivity in pulmonary tuberculosis patients with standard PPD and tuberculins from other mycobacteria] Pérez JA, et al. Torax 19:85-8, Jun 70 (Spa)

ADMINISTRATION & DOSAGE

The tuberculin unit. Bovornkitti S.
Am Rev Resp Dis 102:969, Dec 70

Postnatal development of lymph nodes in mice after prenatal antigenic stimulation. Krüger G, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:115-21, Aug 71

[Contribution to the immunomorphology of sensitization. XI. The pulmonary reaction of hypersensitivity induced with tuberculoprotein aerosols] Eskenasy A, et al.
Rev Immunol (Paris) 34:343-55, Oct-Dec 70 (Fre)

ADVERSE EFFECTS

Influence of isoniazid on naturally acquired tuberculin allergy and on induction of allergy by BCG vaccination. Narain R, et al.
Indian J Med Res 59:355-68, Mar 71

ANALYSIS

Purified protoplasmic peptides of mycobacteria: chemical composition of a tuberculin-active glycopeptide. Stottmeier KD, et al.
J Bacteriol 105:172-5, Jan 71

Studies on the standardization of mycobacterial sensitins, using the hemaggregation-inhibition technique. Engibarov A, et al.
Progr Immunobiol Stand 4:521-6, 1970

Tuberculin-active carbohydrate that induces inhibition of macrophage migration but not lymphocyte transformation. Chaparas SD, et al.
Science 170:637-9, 6 Nov 70

On the role of culture medium asparagine in tuberculin production. Yabu K. Tubercle 51:437-45, Dec 70

[Trials on the chemical extraction of the protein pool of tuberculin obtained from cultures on Sauton's medium] Augier J, et al.
Ann Inst Pasteur (Paris) 120:72-80, Jan 71 (Fre)

[Chemical composition of tuberculin] Desbordes J, et al. Progr Immunobiol Stand 4:506-11, 1970 (Fre)

ANTAGONISTS & INHIBITORS

[Pertussis vaccine as an anergic factor in guinea pigs] Milinković M.
Plucne Bolesti Tuberk 22:260-4, Jul-Sep 70 (Cro)

DIAGNOSTIC USE

Viral-induced unresponsiveness of tuberculin-sensitized guinea pig lymphocytes. Belehu A, et al. Proc Soc Exp Biol Med 136:824-9, Mar 71

ISOLATION & PURIFICATION

Comparative study of 14C-labeled purified protein derivative from various mycobacteria. I. Preparation of 14C-labeled purified protein derivative antigens and their adsorption to glass. Landi S, et al.
Appl Microbiol 20:696-703, Nov 70

[Immunochemical activity of tuberculoprotein agents during their preparation] Lazovskaia AL.
Probl Tuberk 49:79-83, 1971 (Rus)

PHARMACODYNAMICS

Tuberculin-induced migration inhibition of human peripheral leucocytes in agarose medium. Clausen JE.
Acta Allergol (Kbh) 26:56-80, Feb 71

Effect of phytohaemagglutinin and tuberculin on macromolecule synthesis in human lymphocyte cultures. Dobozy A, et al.
Acta Microbiol Acad Sci Hung 17:303-9, 1970

The effect of PPD and other antigens on Ig formation in vitro. Smith RS, et al.
Int Arch Allergy Appl Immunol 40:631-8, 1971

On the number and nature of antigen-sensitive lymphocytes in the blood of delayed-hypersensitive human donors. Jimenez L, et al.
J Exp Med 133:740-51, 1 Apr 71

Relationship between the molecular weight of tuberculoprotein and its biological potency. Landi S, et al. Progr Immunobiol Stand 4:512-20, 1970

[Comparative study of the action of isoniazid (INH) and tuberculoprotein (PPD) on phagocytosed mycobacteria and in vitro alveolar macrophages] Stoica E, et al.
Acta Tuberc Pneumol Belg 62:48-61, Jan-Feb 71 (Fre)

STANDARDS

Second-strength PPD test. Stead WW, et al.
N Engl J Med 285:294-5, 29 Jul 71

[Determination of the potency of tuberculin (PPD) Dessau in guinea pig] Nostitz D, et al.
Arch Exp Veterinaermed 23:867-82, 1969 (Ger)

THERAPEUTIC USE

[Treatment of sarcoidosis (Besnier-Boeck-Schaumann disease)] Breyne H.
Munch Med Wochenschr 112:1607-11, 4 Sep 70 (Ger)

TUBERCULIN TEST (E1)

Delayed hypersensitivity in the guinea pig immunized with killed tubercle bacilli in adjuvant. 2. The effect of tuberculin purified protein derivative concentration on the inhibition of peritoneal cell migration. Kostiala AA.
Acta Pathol Microbiol Scand [B] 79:281-4, 1971

Sensitivity to histoplasmin, coccidioidin, blastomycin, and tuberculin in East Pakistan. Islam N, et al.
Am J Trop Med Hyg 20:821-4, Jul 71

Tuberculin tests during the course of sarcoidosis in 350 patients. Chusid EL, et al.
Am Rev Resp Dis 104:13-21, Jul 71

Tuberculin sensitivity eight to fifteen years after BCG vaccination. Comstock GW, et al.
Am Rev Resp Dis 103:572-5, Apr 71

Specificity in skin reaction to tuberculin protein prepared from rapidly growing mycobacteria and some nocardia. Takeya K, et al.
Am Rev Resp Dis 102:962-6, Dec 70

Tuberculin sensitivity in elderly patients. Woodruff CE, et al. Am Rev Resp Dis 104:261-3, Aug 71

Tuberculin skin-test conversion in Vietnam. 1969 annual skin-test reports of Navy and Marine Corps.
Sachs JM, et al. Ann Intern Med 73:767-9, Nov 70

Depressed tuberculin sensitivity in porokeratosis.
Ikada J. Arch Dermatol 103:564-5, May 71

Tuberculin anergy. Br Med J 4:573, 5 Dec 70

Influence of isoniazid on naturally acquired tuberculin allergy and on induction of allergy by BCG vaccination. Narain R, et al. Bull WHO 43:53-64, 1970

Tuberculin skin testing of children as an effective tool in tuberculosis casefinding. Curry FJ.
Chest 59:590, Jun 71

The loss of tuberculin sensitivity in certain patients with active pulmonary tuberculosis. Howard WL, et al. Chest 57:530-4, Jun 70

Observations on non-specific reactions to tuberculin in sheep and goats with Corynebacterium ovis. Shukla R, et al. Experientia 27:204-5, 15 Feb 71

Kauai school tuberculin testing data. An epidemiologic analysis. Worth RM.
Hawaii Med J 23:278-81, Mar-Apr 64

Serial dilution tuberculin test for the diagnosis of active tuberculosis. Shankar PS.
Indian J Chest Dis 9:213-21, Oct 67

Tuberculin conversion after B.C.G. vaccination in newborn babies. Ghosh S, et al.
Indian J Med Res 59:122-6, Jan 71

Crude mortality by size of tuberculin reaction. Narain R, et al. Indian J Med Res 59:5-18, Jan 71

PPD-S and atypical mycobacterial skin testing in a North Indian hospitalized child population. Sinclair S, et al. Indian J Med Sci 25:241-50, Apr 71

Inhibition of the tuberculin reaction in guinea pigs. Henson EC, et al.
Int Arch Allergy Appl Immunol 40:729-38, 1971

Comparative experimental study of sensitivity to tuberculin and lepromin in guinea-pigs previously inoculated with BCG by oral and intradermal routes. Azulay RD, et al. Int J Lepr 38:373-8, Oct-Dec 70

Tuberculin testing: its basis, methods, and comparative results. Hagen DP.
J Am Osteopath Assoc 70:356-63, Dec 70

Correlation of macrophage migration inhibition with tuberculin skin reaction in experimental tuberculosis. Yamamoto KI.
Jap J Med Sci Biol 24:191, Jun 71

TB testing project achieves results.
Md State Med J 20:135, Jul 71

The tuberculin test. Med J Aust 2:515-6, 19 Sep 70

The second-strength PPD test. Hunt KK Jr.
N Engl J Med 284:1338, 10 Jun 71

Tine test conversion in Vietnam (cont.). Snowe RJ.
N Engl J Med 284:222, 28 Jan 71

Tine test conversion in Vietnam. Sowell JM, et al.
N Engl J Med 283:1113-4, 12 Nov 70

Tuberculin skin testing of Omaha-Douglas County school children. McIntire MS, et al.
Nebr State Med J 55:667-70, Nov 70

Delayed type hypersensitivity to tuberculin in young germ-free fowls. Anderson JC.
Res Vet Sci 12:312-7, Jul 71

Tuberculin activity of somatic fractions obtained from Mycobacterium. Ortiz-Ortiz L, et al.
Rev Lat Am Microbiol 13:35-9, Jan-Mar 71

Interpretation of the multiple puncture tuberculin reaction. Collins TF. S Afr Med J 44:1287-9, 14 Nov 70

In vitro lymphocyte reactivity to PPD and phytohaemagglutinin in relation to PPD skin reactivity and age. Nilsson BS.
Scand J Resp Dis 52:39-47, 1971

The tuberculin reaction of patients in hospital. Hellström PE, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:45+, 1970

The risk of tuberculosis in different groups of the general population. Horwitz O.
Scand J Resp Dis [Suppl] 72:Suppl 72:50+, 1970

The significance of bovine tuberculous infection for human tuberculosis of to-day. Magnus K.
Scand J Resp Dis [Suppl] 72:Suppl 72:67, 1970

Factors affecting non-participation in a county-wide tuberculin testing program in Southern Appalachia. Nickerson GS, et al. Soc Sci Med 3:575-96, Apr 70

'Original mycobacterial sin'. Abrahams EW.
Tubercle 51:316-21, Sep 70

Observer and experimental variation in tuberculin testing. Carruthers KJ. Tubercle 51:48-67, Mar 70

BCG vaccination: a comparison of post-vaccination tuberculin sensitivity after oral and intradermal vaccination of newborn infants. Kahn H, et al.
Tubercle 51:423-9, Dec 70

The Heaf test. Tubercle 51:207-10, Jun 70

The problem of reproducibility of migration inhibition of peripheral leucocytes in cases of tuberculin-allergy. Alzer G, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:181-9, 1971

[Tuberculin test in medical and paramedical students] Eylenbosch W.
Arch Belg Med Soc 27:483-7, Jul 69 (Dut)

[The mantoux-tuberculin reaction and its diagnostic significance] Backman A.
Duodecim 86:1238-43, 1970 (Fin)

[Survey of BCG vaccination without previous tuberculin test] Henneghien C, et al.
Acta Tuberc Pneumol Belg 60:833-49, 1969 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Detection of tuberculosis in schools] Jeurissen A. Acta Tuberc Pneumol Belg 62:5-34, Jan-Feb 71 (Fre)
[Value of tuberculin tests in the detection of the primary infection] Fillastre C.
Ann Pediatr (Paris) 17:644-8, 2 Oct 70 (Fre)
[Tuberculin tests] Bidou S, et al.
Arch Mal Prof 30:626-8, Oct-Nov 69 (Fre)
[Tuberculin reactions among hospital personnel as preventive medicine] Guitard J.
Arch Mal Prof 30:629-32, Oct-Nov 69 (Fre)
[Comparative studies of 5 BCG substrains. IV. Development of hemagglutinating antibodies in rabbits vaccinated with BCG vaccines of different origins] Gheorghiu M, et al.
Arch Roum Pathol Exp Microbiol 28:549-55, Jun-Sep 69 (Fre)
[Comparative studies of 5 G substrains. II. Tuberculin sensitization with 5 BCG vaccines] Paraschivesco M, et al.
Arch Roum Pathol Exp Microbiol 28:541-4, Jun-Sep 69 (Fre)
[Results of a tuberculin survey in humans and in animals in a rural area in Senegal] Sarrat H, et al.
Bull Soc Pathol Exot 62:992-1000, Nov-Dec 69 (Fre)
[Tuberculin index and B.C.G. vaccination of students (Lille, 1967-68)] Gervois M, et al.
Lille Med 14:1224-5, Dec 69 (Fre)
[Results of repeated tuberculin tests: experimental data] Febraio A, et al.
Rev Tuberc Pneumol (Paris) 34:306-11, Mar 70 (Fre)
[Comparative study of the tuberculin test by Monovacc PPD ring multipuncture in relation to the intradermo-reaction with RT 23 tuberculin and the Monotest ring] Fillastre C, et al.
Rev Tuberc Pneumol (Paris) 34:574-9, Jun 70 (Fre)
[Trial B.C.G. vaccination without previous tuberculin test in an Algiers outpatient clinic] Grosset J, et al.
Rev Tuberc Pneumol (Paris) 32:551-60, Jun 68 (Fre)
[Change in the tuberculin index of recruits] Guillermand J.
Rev Tuberc Pneumol (Paris) 32:538-42, Jun 68 (Fre)
[Comparative and simultaneous study cutaneous reactivity to 6 mycobacterial antigens in healthy and sick persons] Mandler F.
Rev Tuberc Pneumol (Paris) 34:87-92, 1970 (Fre)
[Development and significance of a tuberculin skin anergy in sarcoidosis] Turiaf J, et al.
Rev Tuberc Pneumol (Paris) 32:5-20, Jan-Feb 68 (Fre)
[Tuberculin and candidin hypersensitivity in coal miners. Comparative study of a control group of healthy subjects and a group of pulmonary tuberculosis patients (apropos of 500 cases)] Vidal J, et al.
Rev Tuberc Pneumol (Paris) 32:507-26, Jun 68 (Fre)
[Effect of experimental fascioliasis on the results of the intradermal tuberculin test in the guinea pig] el-Ahwal AM.
Berl Munch Tieraerztl Wochenschr 82:484-5, 15 Dec 69 (Ger)
[Tests with purified tuberculin (Dessau) in endogenous eye diseases] Hiller H, et al.
Dtsch Gesundheitsw 25:1618-22, 20 Aug 70 (Ger)
[Tuberculin tests] Blaha HM.
Dtsch Med J 22:43-9, Jan 71 (Ger)
[Specific and nonspecific tuberculin sensitivity of the skin in schoolchildren of 10 European countries] Bleiker MA. Dtsch Med J 22:50-3, Jan 71 (Ger)
[The current importance of tuberculosis testing as a method of clinical examination] Schreiter G, et al.
Kinderaerztl Prax 38:79-84, Feb 70 (Ger)
[Experiences with tuberculin tests in Copenhagen, with special reference to previous BCG vaccination] Christensen O. Prax Pneumol 24:309-30, Apr 70 (Ger)
[The epidemiological significance of tuberculin tests] Neumann G. Prax Pneumol 25:378-88, Jul 71 (Ger)
[Results of simultaneous tuberculin test series with new patches] Radtke A.
Prax Pneumol 25:68-76, Feb 71 (Ger)
[Cytological events in the tuberculine reaction] Desaga JF, et al. Verh Dtsch Ges Pathol 54:265-7, 1970 (Ger)
[Progress in joint international research of demographic and geographic distribution of insignificant, middle and high-grade tuberculin skin sensitivity] Bleiker MA.
Z Erkr Atmungsorgane 133:99-106, Dec 70 (Ger)
[Importance of tuberculin sensitivity in pulmonary sarcoidosis. Report against the tuberculous etiology of sarcoidosis from the viewpoint of nosology] Böttger D.
Z Erkr Atmungsorgane 131:189-98, 1970 (Ger)
[Simultaneous testing with tuberculin and Kansasii-sensitin in employees of the chemical industry around Halle-S] Hanzmann E.
Z Erkr Atmungsorgane 134:235-41, 1971 (Ger)
[Results of simultaneous tests with tuberculin and sensitins from atypical mycobacteria in tuberculosis and diseases caused by atypical mycobacteria] Krebs A. Z Erkr Atmungsorgane 133:118-23, Dec 70 (Ger)
[What hazards are contained in the tuberculin positive test in adults?] Masuhr H.
Z Erkr Atmungsorgane 133:111-5, Dec 70 (Ger)
[Tuberculin allergy in view of serologic tests] Michael H. Z Erkr Atmungsorgane 133:106-11, Dec 70 (Ger)
[Behavior of the tuberculin reaction in tumor patients] Rieche K, et al.
Z Gesamte Inn Med 24:Suppl:118-9, 1 Jan 69 (Ger)
[Endoplasmatic reticulum in peripheral lymphocytes after specific in vitro stimulation with tetanus toxoid and tuberculin] Nagy G, et al.
Z Immunitaetsforsch Allerg Klin Immunol 141:258-64, 1971 (Ger)
[A comparison of sensitin tests on guinea pigs with serotypes and virulence for chickens in M. avium and M. intracelluiare] Anz W, et al.
Zentralbl Bakteriol [Orig] 215:536-49, 1970 (Ger)
[Tuberculin test] Simkó I, et al.
Orv Hetil 112:625-9, Mar 71 (Hun)
[H3-thymidine labelled in vitro lymphocyte transformation in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon M, et al.
Orv Hetil 111:2403-7, 11 Oct 70 (Hun)
[Prevention of tuberculosis in the school community (clinico-social findings)] Scozia A, et al.
Arch Tisiol Mal Appar Resp 24:710-9, Sep 69 (Ita)
[Response to PHA of lymphocytes from tuberculin-positive children vaccinated against rubella] Businco L, et al.
Boll Soc Ital Biol Sper 46:726-8, 30 Sep 70 (Ita)
[On the immunogenic activity at the level of the lymph nodes during BCG infection in guinea pigs] Lenzini L, et al. Boll Soc Ital Biol Sper 45:687-90, 31 May 69 (Ita)
[The immune system in Hodgkin's disease. Preliminary observations on cutaneous reactivity to tubercular antigens] Tura S, et al.
G Clin Med 51:140-9, Feb 70 (Ita)
[Evolution of tuberculin allergy in 717 children vaccinated with BCG in the decade 1959-1968] Bassoli G, et al. G Ital Mal Torace 24:19-24, Jan-Feb 70 (Ita)
[Tuberculin allergy and behavior of leukocytes in tuberculin-positive children vaccinated against rubella] Businco L, et al.
Minerva Pediatr 23:371-4, 3 Mar 71 (Ita)
[Intradermal reaction with Petragnani anatuberculin and with PPD in childhood] Crua G, et al.
Minerva Pediatr 21:561-5, 7 Apr 69 (Ita)
[Laryngovaccination and immunity through the respiratory tract: ancient and modern problems] Di Lauro E. Valsalva 45:333-40, Dec 69 (Ita)
[Adjuvant effect of various wax D fractions during development of tuberculin allergy reaction] Someya S, et al. Jap J Bacteriol 25:425-6, Sep 70 (Jap)
[Tuberculin test (symposium)] Toida T, et al.
Kekkaku 45:386-90, Nov 70 (Jap)
[Tuberculin reactions in adult patients with active pulmonary tuberculosis] Frenkel S, et al.
Gruzlica 39:195-9, 1971 (Pol)
[Skin reactions to simultaneous administration of RT 23 tuberculin and avian tuberculin in rural adult population] Sidor-Smaga M, et al.
Gruzlica 38:1053-9, Oct 70 (Pol)
[Diagnostic and prognostic value of tuberculin test in Hodgkin's disease] Płużańska A.
Pol Arch Med Wewn 46:47-53, 1971 (Pol)
[Aspects of the development of tuberculosis infections among students of advanced studies] Racine R.
Hoja Tisiol 26:76-94, 1969 (Por)
[Effect of pesticides on specific leukocytolysis and leukergy of the blood in experimental tuberculin allergy] Nedopriadko DM, et al.
Gig Sanit 35:35-9, Mar 70 (Rus)
[An intradermal test for differentiation of tuberculosis mycobacteria of the bovine and human types] Aleksandrov NA, et al.
Probl Tuberk 48:85-8, 1970 (Rus)
[Passive tuberculin allergy studies in the newborn] Fradkin VA, et al. Probl Tuberk 49:41-4, 1971 (Rus)
[Importance of changes in certain biochemical indices following administration of tuberculin in assessing the activity of the tuberculosis process in the lungs] Gavrilenko VS, et al. Probl Tuberk 48:25-9, 1970 (Rus)
[Sensitivity of tubercular patients and healthy subjects to small doses of tuberculin] Ginzburg EA, et al.
Probl Tuberk 48:9-12, 1970 (Rus)
[Some methodological aspects of tuberculin diagnosis] Kasatkin VM. Probl Tuberk 48:12-6, 1970 (Rus)
[Tuberculin allergy in young children following intradermal BCG vaccination] Krushevskaia GM, et al.
Probl Tuberk 49:10-3, 1971 (Rus)
[Interrelations of specific and general immunological reactivity in pulmonary tuberculosis] Kunurkul'zhaev TB. Probl Tuberk 48:30-4, 1970 (Rus)
[6-year observation of the dynamics of postvaccinal allergy in children and adults] Kuropatkin IF, et al.
Probl Tuberk 48:4-6, 1970 (Rus)
[Optimal dose of PPD-L and Tween in mass examinations for tuberculosis] Meve EB, et al.
Probl Tuberk 49:13-5, 1971 (Rus)
[Study of the possibility of using a unified tuberculin test during mass examination of children and adolescents for tuberculosis] Mitinskaia LA, et al.
Probl Tuberk 48:1-4, 1970 (Rus)
[Dynamics of tuberculin sensitivity in adults] Saleev AA. Probl Tuberk 48:5-9, 1970 (Rus)
[Characteristics of tuberculin sensitivity in school children] Shpakas GK.
Probl Tuberk 49:15-7, 1971 (Rus)
[Results of observation of persons with increased sensitivity to standard tuberculin] Tabidze ShA.
Probl Tuberk 48:15-9, 1970 (Rus)
[Sensitivity of the population of several USSR republics to native standard tuberculin PPD-L] Sokol'skaia NS, et al.
Sov Zdravookhr Kirg 3:24-8, May-Jun 70 (Rus)
[Use of the needleless method for tuberculin tests] Ishkil'din MI. Voen Med Zh 8:61-4, Aug 70 (Rus)
[Value of the BCG test in detecting tuberculous allergy] Rezbaev AF.
Voen Med Zh 11:67-8, Nov 70 (Rus)
[Specific allergy and its immunologic significance in infection of guinea pigs with hydraxide sensitive and resistant causative agents of tuberculosis] Mirzoian EZ.
Zh Mikrobiol Epidemiol Immunobiol 47:60-1, Sep 70 (Rus)
[Allergy and immunity in tuberculosis] Villar Gorii H.
Hoja Tisiol 26:127-35, 1969 (Spa)
[Changes in cellular immunity in marasmic malnutrition measured through tuberculin conversion] Hurtado R.
Rev Chil Pediatr 41:997-1000, Oct 70 (Spa)
[Comparative study on tuberculin sensitivity in pulmonary tuberculosis patients with standard PPD and tuberculins from other mycobacteria] Pérez JA, et al. Torax 19:85-8, Jun 70 (Spa)
[Tuberculin diagnosis in the early stage of tuberculosis in children of the 1st 3 years of age] Berezhanskaia TS, et al. Pediatr Akush Ginekol 6:22-3, 1970 (Ukr)
[Negative tuberculin test in the course of active tuberculosis in children] Suvajdžić S, et al.
Plucne Bolesti Tuberk 22:385-91, Oct-Dec 70 (Cro)
[Modification of tuberculous allergy by repeated tests] Zegarac D, et al.
Plucne Bolesti Tuberk 22:265-9, Jul-Sep 70 (Cro)

ADVERSE EFFECTS

Unusual skin reaction to sterile diluent in tuberculin test. Wolk BM. J Pediatr 79:509-10, Sep 71
Erythema multiforme following Heaf test and exposure to strong sunlight. Broughton RH.
J R Nav Med Serv 57:51-2, Spring 71
[Present applications of tuberculin desensitizing therapy] Mariani B.
Folia Allergol (Roma) 16:439, Jul-Aug 69 (Ita)

INSTRUMENTATION

Jet injector tuberculin skin testing compared with Mantoux method. Thompson DH, et al.
HSMHA Health Rep 86:381-4, Apr 71

STANDARDS

Standardizing the jet-injector tuberculin test: evaluation of 48 reactors to jet-injected tuberculin using the Mantoux tuberculin test as a standard. Thompson DH, et al.
J La State Med Soc 123:13-7, Jan 71
Tuberculin testing with disposable plastic syringes. Carruthers KJ. Med J Aust 2:315-7, 15 Aug 70
Second-strength PPD test. Stead WW, et al.
N Engl J Med 285:294-5, 29 Jul 71
[Report (in the name of the Tuberculosis and Vaccination Commission) on a proposed change relative to BCG vaccination technics] Bariéty M.
Bull Acad Natl Med (Paris) 154:774-5, 17 Nov 70 (Fre)

VETERINARY

The significance of tuberculin tests in the horse. Konyha LD, et al. Am Rev Resp Dis 103:91-9, Jan 71
Modification of the tuberculin response of rhesus monkeys by isoniazid therapy. Gibson JP, et al.
Lab Anim Sci 21:62-6, Feb 71
Evaluation of a comparative test for tuberculin reactors from a no-gross-lesion herd. Vardaman TH, et al. Proc US Anim Health Assoc 73:405-9, 1969
[Survey of bovine tuberculosis by means of tuberculin test in various regions of West Africa (Upper Volta and Ivory Coast): results and general considerations] Gidel R, et al.
Rev Elev Med Vet Pays Trop 22:337-55, 1969 (Fre)
[Determination of the potency of tuberculin (PPD) Dessau in guinea pig] Nostitz D, et al.
Arch Exp Veterinaermed 23:867-82, 1969 (Ger)
[Comparative results in the detection of tuberculosis in hens with simultaneous use of tuberculin test, agglutination test and necropsy, microbiologic and histological studies] Krzyszkowska A, et al.
Gruzlica 38:1141-8, 1970 (Pol)
[Differentiation of tuberculin reactions] Iudin GA.
Veterinariia 11:68-70, Nov 70 (Rus)

TUBERCULIN-TYPE HYPERSENSITIVITY see

HYPERSENSITIVITY, DELAYED (C14)

TUBERCULOMA (C1)

Primary lingual tuberculoma. Kakar PK, et al.
J Laryngol Otol 85:89-91, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Nasal cavity tumors] Miller M, et al.
Acta Otorhinolaryngol Belg 23:612-4, 1969 (Fre)
[Intracranial expansive processes in African children] Dumas M, et al.
Bull Soc Med Afr Noire Lang Fr 16:83-9, 1971 (Fre)
[Case of intramedullary tuberculoma] Stępień A, et al.
Neuropatol Pol 9:161-4, 1971 (Pol)

COMPLICATIONS

Tuberculous abscess of the cerebellum. Dinakar I, et al.
Int Surg 55:277-9, Apr 71
Central nervous system tuberculosis: a persistent disease. Wilkinson HA, et al.
J Neurosurg 34:15-22, Jan 71

ETIOLOGY

Tuberculoma of the left optic nerve and chiasm. Schlernitzauer DA, et al.
Arch Ophthalmol 85:75-8, Jan 71

OCCURRENCE

[Intracranial tuberculosis: yesterday and today] Bagchi AK, et al.
Wien Med Wochenschr 120:823-8, 21 Nov 70 (Ger)

RADIOGRAPHY

[Importance of the localiztion in the roentgenologic differential diagnosis of peripheral bronchial carcinoma] Anstett K.
Z Erkr Atmungsorgane 132:245-51, 1970 (Ger)
[Myositis ossificans simulating pulmonary tuberculoma] Derbikova TI, et al.
Probl Tuberk 49:66-7, 1971 (Rus)
[Radiologic diagnosis of pulmonary tuberculoma] Ivannikov ID. Probl Tuberk 48:62-4, 1970 (Rus)
[Roentgenodiagnosis of caseomas] Eliseeva MI, et al.
Vestn Rentgenol Radiol 45:36-42, May-Jun 70 (Rus)

SURGERY

Tuberculoma of the orbit and lacrimal gland. Mortada A. Br J Ophthalmol 55:565-7, Aug 71
Intramedullary tuberuloma of the spinal cord. A case with a five year follow-up. Balaparameswararao S, et al. Indian J Med Sci 24:647-9, Oct 70
[Pneumoperitoneum following pulmonary resection] Vedishchev VT, et al.
Grudn Khir 13:123-4, Mar-Apr 71 (Rus)
[Surgical treatment of pulmonary tuberculoma] Tsel' VF, et al. Probl Tuberk 48:86-8, 1970 (Rus)

TUBERCULOSIS (C1)

see also related
ANTITUBERCULAR AGENTS (D3)

The relation between infecting ndosage and median survival in tuberculous guinea pigs. Shier DR, et al.
Am Rev Resp Dis 104:206-14, Aug 71
Presence of the Mycobacterium tuberculosis in the milk of experimentally reproduced sheep tuberculosis. Keyhani M.
Bull Off Int Epizoot 73:993-8, Nov-Dec 70
The forum. Environment and health. Billions of Christmas seals. Richmond JE.
Del Med J 42:395, Dec 70
Information seeking in a natural stress situation. Vernon DT. J Appl Psychol 55:359-63, Aug 71
Tuberculous lesion of the oral cavity: report of case. Muroff FI. J Can Dent Assoc 36:380-1, Oct 70
Tuberculosis of the palate. Lathan SR.
JAMA 216:521, 19 Apr 71
A suggested role of the lysosomal membrane as a part of the defence mechanism against tuberculous infection. Kanai K, et al.
Jap J Med Sci Biol 23:295-302, Oct 70
Tuberculosis: change and effect. Lancet 2:303, 7 Aug 71
Tuberculosis. A misunderstood disease. Myers JA, et al.
Minn Med 54:605-7, Aug 71
New thoughts on an old disease: TB unmasked. Ginsberg F. Mod Hosp 116:130, Jun 71
[Esophageal tuberculosis] Tessier JP, et al.
Bord Med 4:1165-6, Apr 71 (Fre)
[A case of breast tuberculosis] Tombroff M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:495-9, Nov-Dec 70 (Fre)
[A clinical case of pharyngo-laryngeal tuberculosis without lung involvement] Cajsfinger H, et al.
J Fr Otorhinolaryngol 19:664-5, Oct 70 (Fre)
[Tuberculosis problems underlying developmental symptoms] Bernard E.
Maroc Med 49:271-8, May 69 (Fre)
[A case of excavated tuberculous adenitis of the parotid gland with spreading to the gland] Recoing J, et al.
Rev Stomatol Chir Maxillofac 72:474-8, Apr-May 71 (Fre)
[Société Française de la Tuberculose. Membership list. (1970)]
Rev Tuberc Pneumol (Paris) 34:159-78, 1970 (Fre)
[Société Française de la Tuberculose et des Maladies Respiratoires: membership list (1971)]
Rev Tuberc Pneumol (Paris) 35:77-96, Jan-Feb 71 (Fre)
[Effect of serum from tuberculous patients on lymphocyte blastic transformation in sarcoidosis] Girard JP, et al.
Schweiz Med Wochenschr 100:1986-8, 14 Nov 70 (Fre)
[Role of psychotherapy in a collective of adolescents with tuberculosis] Douady D, et al.
Therapeutique 47:623-6, Jun-Jul 71 (Fre)
[Tuberculosis welfare]
Dtsch Med Wochenschr 96:181-2, 22 Jan 71 (Ger)
[Medical problems in furnishing tuberculosis assistance] Kuhn H.
Wien Med Wochenschr 120:967-8, 19 Dec 70 (Ger)
[Legal problems of tuberculosis assistance] Schachinger R.
Wien Med Wochenschr 120:969-71, 19 Dec 70 (Ger)
[Primary gingival tuberculosis. Case presentation] Rosti D.
Atti Accad Med Lomb 23:299-303, Apr-Jun 68 (Ita)
[Observations on inflammatory, neoplastic and degenerative pathology of the parotid (tuberculosis, Warthin's tumor, Mikulicz' tumor or benign lymphoepithelial lesion). 1. Tuberculosis of the parotid and of the parotid loge] Monti GF, et al.
Chir Ital 21:119-32, Apr 69 (Ita)
[Primary tuberculosis of the conjunctiva with parotid involvement] Salgarello G, et al.
Chir Patol Sper 17:50-62, Feb 69 (Ita)
[Tuberculosis of the parotid gland] Rossi G, et al.
Minerva Otorinolaringol 19:19-32, Jan-Feb 69 (Ita)
[Pulmonary tuberculosis and pregnancy. Indications for therapeutic abortion in patients with pulmonary or extrapulmonary TBC] Fossati C.
Rass Int Clin Ter 51:159-69, 15 Feb 71 (Ita)
[Origin, development and healing of tuberculosis] Iwai T.
Bull Chest Dis Res Inst Kyoto Univ 3:16-23, Sep 69 (Jap)
[Follow-up study of active infectious tuberculosis patients at home for 2 years following the 1st investigation] Kobayashi R, et al.
Iryo 24:811-9, Oct 70 (Jap)
[Symposium on tuberculosis in the aged] Aoki K, et al.
Kekkaku 46:77-80, May 71 (Jap)
[Tuberculosis control (symposium)] Kihara K, et al.
Kekkaku 45:383-6, Nov 70 (Jap)
[2 cases of peritendinious tuberculosis of the foot] Ogawa S, et al.
Orthop Surg (Tokyo) 22:56-9, Jan 71 (Jap)
[Card index to patient movement in a hospital (from the experience of the work of the Leningrad Tuberculosis Scientific Research Institute)]
Shnitnikova ZZ. Sov Zdravookhr 29:71-3, 1970 (Rus)
[Experience in scheduling the work of the administration of a tuberculosis research institute] Nisan GI, et al.
Zdravookhr Ross Fed 14:9-12, Nov 70 (Rus)
[Primary tuberculous gingivitis. 1 case] Navarrete FH, et al. ADM 27:29-33, Jan-Feb 70 (Spa)

BLOOD

Serum protein changes during antituberculosis therapy. Tamblyn E, et al.
Hawaii Med J 29:438-42, Jul-Aug 70
The effect of tuberculosis and ist treatment on erythropoiesis and folate activity. Cameron SJ, et al.
Tubercle 52:37-48, Mar 71
[Secondary ellipsocytosis in anemia and tuberculosis] Thomas J, et al.
Med Trop (Mars) 31:275-83, May-Jun 71 (Fre)
[Behavior of haptoglobin in the early stages of tuberculosis] Rubino F, et al.
Arch Tisiol Mal Appar Resp 24:494-507, Jun 69 (Ita)
[Concentration of isoniazid-H3 in the blood and tissues of experimental animals] Cherednichenko LP, et al.
Probl Tuberk 48:69-72, 1970 (Rus)
[Blood bacteriostatic activity in patients following administration of antituberculosis preparations and its clinical significance] Ginzburg TS, et al.
Probl Tuberk 48:73-7, 1970 (Rus)
[Bacteriostatic activity of the blood in tuberculosis] Zhogio SI. Probl Tuberk 48:81-3, 1970 (Rus)
[Ratio of total lipids and lipoproteins in the serum tuberculous of patients] Kleut D, et al.
Plucne Bolesti Tuberk 22:254-6, Jul-Sep 70 (Cro)

CLASSIFICATION

[Classification of tuberculosis in Czechoslovakia] Koenigsmarkova M. Mars Med 107:798-800, 1970 (Fre)

COMPLICATIONS

The coexistence of carcinoma and tuberculosis of the breast and axillary lymph nodes. Miller RE, et al.
Am J Surg 121:338-40, Mar 71
Evidence of a "silent" bacillemia in primary tuberculosis. Stead WW, et al.
Ann Intern Med 74:559-61, Apr 71
Hematologic abnormalities in tuberculous patients. Whitfield CL. Arch Intern Med 126:898, Oct 70
Traps in tuberculosis. Br Med J 3:802, 12 Sep 70
Central nervous system tuberculosis: a persistent disease. Wilkinson HA, et al.
J Neurosurg 34:15-22, Jan 71
Legal commitment and hospital behavior. Rubington E. Ment Hyg 53:41-53, Jan 69
Dystocia due to tuberculous abscess in space of Retzius. Tisdall LH, et al. NY State J Med 71:1228-7, 1 Jun 71
A follow-up study of tuberculous Skid Row alcoholics. II. Hospital and posthospital attitudes and care. Hudson RM, et al. Q J Stud Alcohol 32:116-22, Mar 71
Protein-calorie malnutrition syndrome in adults. Four case reports. Lewis EA.
Trop Geogr Med 22:371-6, Sep 70
[A case of anemia with partial myelobiastosis associated with pulmonary and hematologic tuberculosis] Liaudet J, et al.
Ann Anat Pathol (Paris) 16:93-106, Jan-Mar 71 (Fre)
[Role of psychotherapy in a group of adolescents with tuberculosis] Douady D, et al.
Ann Pediatr (Paris) 17:656-9, 2 Oct 70 (Fre)
[Tuberculous recurrent nerve paralysis] Calvet J, et al.
J Fr Otorhinolaryngol 20:23-4, Jan 71 (Fre)
[Tuberculosis and the ear] Guerrier Y, et al.
J Fr Otorhinolaryngol 18:621-30, Nov 69 (Fre)
[Anti-alpha-staphylolysins in pneumology] Charpentier J, et al.
Rev Tuberc Pneumol (Paris) 34:485-510, Jun 70 (Fre)
[Cancer and tuberculosis closely associated on the respiratory tract] Chrétien J, et al.
Sem Hop Paris 47:1152-6, 14 Apr 71 (Fre)
[A case of tuberculosis of the mammary glands] Vittadini M. G Ital Chir 25:131-7, Mar 69 (Ita)
[Neoplasm of the diaphragm of tuberculous origin] Piętniewicz J. Pol Przegl Chir 43:107-9, Jan 71 (Pol)
[Leukomoid reaction: leukemia (?) in the course of tuberculosis] Fiedorowicz-Fabrycy I, et al.
Przegl Lek 26:617-9, 1970 (Pol)
[Erythema nodosum; etiopathogenetic theory. (53 cases of tuberculous origin)] Meţulescu T, et al.
Pediatria (Bucur) 20:119-24, Mar-Apr 71 (Rum)
[A cominbation of tuberculosis of the breast and of the female genital organs] Davidenko AA, et al.
Probl Tuberk 49:45-8, 1971 (Rus)
[The role of the tonsils in the development of tuberculosis of the cervical lymph nodes] Novruzov MA. Probl Tuberk 49:83-6, 1971 (Rus)
[Nonspecific arteritis and tuberculosis. Clinical aspects] Sánchez Torres G.
Arch Inst Cardiol Mex 41:255-63, May-Jun 71 (Spa)
[Complex therapy of menstruation disorders in girls with tuberculosis] Davidkevich AF.
Pediatr Akush Ginekol 4:51-3, Jul-Aug 68 (Ukr)

DIAGNOSIS

Identification of mycobacteria--what constitutes adequate examination? Gruft H, et al.
Am J Public Health 60:2055-6, Nov 70
Problems in the serodiagnosis of tuberculosis. Diena BB. Ann Intern Med 75:132-4, Jul 71
Superficial abscess formation: an unusual presenting feature of tuberculosis. Ward AS.
Br J Surg 58:540-3, Jul 71
New-style cold abscesses. Br Med J 1:247-8, 30 Jan 71
Tuberculin anergy. Br Med J 4:573, 5 Dec 70
Primary tuberculoma of the nose with presenting symptoms and lesions resembling a malignant granuloma. Messervy M.
J Laryngol Otol 85:177-84, Feb 71
TB testing project achieves results.
Md State Med J 20:135, Jul 71
On detecting tuberculosis.
N Engl J Med 285:460-1, 19 Aug 71
Decline in statewide mobile x-ray programs to detect tuberculosis. Tizes R, et al.
Public Health Rep 85:901-4, Oct 70
The tuberculin reaction of patients in hospital. Hellström PE, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:45+, 1970
The fluorescent antibody test in human tuberculosis: a pilot study. Nassau E, et al. Tubercle 51:430-6, Dec 70
[The mantoux-tuberculin reaction and its diagnostic significance] Backman A.
Duodecim 86:1233-43, 1970 (Fin)
[Differential diagnosis in tuberculosis] Kekki M, et al.
Duodecim 86:1252-67, 1970 (Fin)
[A delicate differential diagnosis: tuberculosis of the middle ear or granuloma on a foreign body] Van den Eeckhaut J.
Acta Otorhinolaryngol Belg 23:55-8, 1969 (Fre)
[Detection of tuberculosis in schools] Jeurissen A.
Acta Tuberc Pneumol Belg 62:5-34, Jan-Feb 71 (Fre)
[Value of tuberculin tests in the detection of the primary infection] Filliastre C.
Ann Pediatr (Paris) 17:644-8, 2 Oct 70 (Fre)
[Case of breast tuberculosis with confusing examinations] Le Coz A, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:184-5, Apr-May 68 (Fre)
[Bacteriological diagnosis of initial tuberculosis] Tacquet A, et al. Lille Med 16:319-29, Feb 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Primary tuberculous infection] Boutin C.
Mars Med 107:845-9, 1970 (Fre)
[Sarcoidosis and tuberculosis (2 cases)] Linker C.
Rev Med Suisse Romande 91:145-72, Mar 71 (Fre)
[Detection of tuberculosis by the Cuti-BCG method and radiography] Davignon L, et al.
Union Med Can 100:294-300, Feb 71 (Fre)
[Tuberculin tests] Biaha HM.
Dtsch Med J 22:43-9, Jan 71 (Ger)
[Specific and nonspecific tuberculin sensitivity of the skin in schoolchildren of 10 European countries] Bleiker MA. Dtsch Med J 22:50-3, Jan 71 (Ger)
[Clinical contribution to parotid tuberculosis] Tacke W, et al. HNO 17:10-1, Jan 69 (Ger)
[The current importance of tuberculosis testing as a method of clinical examination] Schreiter G, et al.
Kinderaerztl Prax 38:79-84, Feb 70 (Ger)
[Comment on the article by G. Neumann: optimal work in tbc-care stations] Nehls H.
Oeff Gesundheitswes 33:170-1, Mar 71 (Ger)
[Experiences with a pilot study of a new regime in the management of patients with tuberculosis]
Kauffmann GW.
Z Erkr Atmungsorgane 133:28-38, Dec 70 (Ger)
[Results of simultaneous tests with tuberculin and sensitins from atypical mycobacteria in tuberculosis and diseases caused by atypical mycobacteria] Krebs A. Z Erkr Atmungsorgane 133:118-23, Dec 70 (Ger)
[Periarteritis nodosa and tuberculosis] Tscherfass SM, et al. Z Erkr Atmungsorgane 132:165-70, 1970 (Ger)
[Rapid fixation of tuberculous tissue with regard to possible infection hazard] Hergt R.
Z Med Labortech 11:30-2, 1970 (Ger)
[Demonstration of tubercle bacilli in tissue sections with DMSO-containing dye solutions] Heinicke G, et al. Zentralbl Allg Pathol 114:15-9, 1971 (Ger)
[Tuberculosis of the breast] Vieritz HD.
Zentralbl Chir 96:966-96, 17 Jul 71 (Ger)
[Pseudotumoral tuberculosis in otorhinolaryngology] Ameli M, et al. Arch Ital Otol Suppl 54:1+, 1970 (Ita)
[Tuberculosis misdiagnosed as leukemia] Hansson V.
Nord Med 85:287, 4 Mar 71 (Nor)
[Value of the so-called biological test for the bacteriological diagnosis of tuberculous infection] Janowiec M. Gruzlica 39:377-85, May 71 (Pol)
[Diagnosis of the activity and course of focal forms of tuberculosis (dispensary data)] Attarova IN.
Probl Tuberk 49:5-9, 1971 (Rus)
[Sensitivity of tubercular patients and healthy subjects to small doses of tuberculin] Ginzburg EA, et al.
Probl Tuberk 48:9-12, 1970 (Rus)
[Some methodological aspects of tuberculin diagnosis] Kasatkin VM. Probl Tuberk 48:12-6, 1970 (Rus)
[Optimal dose of PPD-L and Tween in mass examinations for tuberculosis] Meve EB, et al.
Probl Tuberk 49:13-5, 1971 (Rus)
[Dynamics of tuberculin sensitivity in adults] Saleev AA. Probl Tuberk 48:5-9, 1970 (Rus)
[Study of the possibility of using house visits as a method of detecting tuberculosis in rural districts] Ursov IG, et al. Probl Tuberk 48:9-11, 1970 (Rus)
[Diagnosis and treatment of tuberculosis of the breast] Kholod AV, et al. Sov Med 33:64-7, Sep 70 (Rus)
[Value of the BCG test in detecting tuberculous allergy] Rezbaev AF.
Voen Med Zh 11:67-8, Nov 70 (Rus)
[How to detect new cases of tuberculosis?] Eriksson H, et al. Lakartidningen 68:39-47, 1 Jan 71 (Swe)
[Detection of tuberculosis in the course of an academic year] Prevost H.
Acta Tuberc Pneumol Belg 61:193-220, May-Aug 70 (Mul)

DRUG THERAPY

Tuberculosis and the generation gap. Weg JG.
Am J Nurs 71:495-500, Mar 71
Standards for tuberculosis treatment in the 1970's. Bates JH, et al. Am Rev Resp Dis 102:992-6, Dec 70
Rifampin: characteristics and role in the chemotherapy of tuberculosis. Vall-Spinosa A, et al.
Ann Intern Med 74:758-60, May 71
The combination of rifampicin and other antituberculous agents in chronic murine tuberculosis. Kradolfer F, et al.
Chemotherapy 16:173-82, 1971
Drug resistance in tuberculosis. Gandhi SR.
J Indian Med Assoc 54:360-4, 16 Apr 70
Experimental studies on the combined effect of kanamycin and viomycin. Hokama S.
Jap J Tuberc Chest Dis 16:62-9, Jul 70
Drug-resistant tuberculosis. Bonforte RJ, et al.
N Engl J Med 284:795-6, 8 Apr 71
Control of tuberculosis. Mathur AK.
N Engl J Med 285:410-1, 12 Aug 71
"Control of tuberculosis" up-to-date. Mitchell RS.
N Engl J Med 284:1380-1, 17 Jun 71
Isoniazid treatment for tuberculosis. Stadler ET, et al.
N Engl J Med 284:730-1, 1 Apr 71
"Rifampin--now that the secret is out".
N Engl J Med 283:1347-8, 10 Dec 70
Free drugs for the treatment of tuberculosis.
N Engl J Med 285:634, 9 Sep 71
Rifampicin in the treatment of experimental tuberculosis in mice: sterilization of tubercle bacilli in the tissues. Batten J. Tubercle 51:95-9, Mar 70
Suitability of rifampicin for intermittent administration in the treatment of tuberculosis. Dickinson JM, et al. Tubercle 51:83-94, Mar 70
Problems of treatment of drug resistance in the developing countries. Fox W.
Tubercle 50:Suppl:55-65, Mar 69
Jaundice associated with rifampicin. Hollins PJ, et al.
Tubercle 51:328-32, Sep 70
Drug-resistant tuberculosis: a review of the world situation. Horne NW.
Tubercle 50:Suppl:2-12, Mar 69 (62 ref.)
What is drug resistance? Mitchison DA.
Tubercle 50:Suppl:44-7, Mar 69
Clinical applications of ethambutol. Pyle MM.
Tubercle 50:Suppl:30-2, Mar 69
[Extrapulmonary tuberculosis in vaccinated children] Havlíjová-Zukrieglová, et al.
Cesk Pediatr 26:83-5, Feb 71 (Cze)
[Current views on drug treatment of tuberculosis] Repo K, et al. Duodecim 86:1268-78, 1970 (Fin)
[Effect of rifomycin on the dynamics of experimentally induced tuberculous lesions] Disconitza G, et al.
Acta Tuberc Pneumol Belg 62:62-81, Jan-Feb 71 (Fre)
[New drugs in the treatment of primary tuberculosis] Gerbeaux J, et al.
Ann Pediatr (Paris) 17:638-43, 2 Oct 70 (Fre)
[Chemotherapy of tuberculosis] Lau Duc Cuong.
Biol Med (Paris) 59:471-561, Nov-Dec 70 (263 ref.) (Fre)
[A new and powerful anti-tubercular drug: rifampicin] Chenebault J. Maroc Med 537:465-70, Jul 70 (Fre)
[A new and powerful anti-tubercular drug: rifampicin] Chenebault J. Maroc Med 50:465-70, Jul 70 (Fre)
[Antituberculosis treatment with pasiniazide (isoniazide p-aminosalicylate): experimental and clinical aspects] Wernsdorfer G, et al.
Maroc Med 50:164-8, Mar 70 (Fre)
[Experimental and clinical aspects of the treatment of tuberculosis with Pasiniazide (p-aminosalicylate of isoniazid)] Wernsdorfer G, et al.
Maroc Med 48:721-4, Dec 68 (Fre)
[Clinical and therapeutic study of Rifampicine, apropos of 246 tuberculous patients treated with antibiotic association] Le Cam J, et al.
Mars Med 107:775-81, 1970 (Fre)
[Antitubercular chemotherapy and the progress realized by various new drugs] Brun J, et al.
Rev Lyon Med 18:317-32, 15 May 69 (Fre)
[Comparative therapeutic survey of 2 intermittent drug therapies. (Isoniazid (INH), ethionamid (ETA) and streptomycin (SM), isoniazid (INH). Results with 965 patients. Antituberculosis services in Morocco and Senegal] Burzoni F, et al.
Rev Tuberc Pneumol (Paris) 34:671-3, Jul-Aug 70 (Fre)
[Attempt at intermittent chemotherapeutic treatment of patients with bacilli resistant to streptomycin and isoniazid (cooperative survey by the antitubercular services of Marrakech, Meknes, Tangiers)] Burzoni FJ, et al.
Rev Tuberc Pneumol (Paris) 33:975-86, Nov 69 (Fre)
[Pluriresistant tuberculous bacilli in developing countries: value of sensitivity tests with antibiotic combinations] Chataigneau P, et al.
Rev Tuberc Pneumol (Paris) 34:454-6, Apr-May 70 (Fre)
[Acquired resistance to antibiotics of the tuberculosis bacillus in the Algiers area from 1963 to 1967. Importance and epidemiologic significance] Chaulet P, et al.
Rev Tuberc Pneumol (Paris) 32:542-51, Jun 68 (Fre)
[Durable character of the sterilization of experimental tuberculosis in mice by rifampicin-isoniazid association: cortisone test] Grumbach F, et al.
Rev Tuberc Pneumol (Paris) 34:312-9, Mar 70 (Fre)
[Jaundice epidemiology in 1,974 hospitalized tubercular patients, treated or untreated by rifampicin] Lesobre R, et al.
Rev Tuberc Pneumol (Paris) 34:298-304, Mar 70 (Fre)
[The rational basis for the treatment of tuberculosis] Favez G.
Schweiz Med Wochenschr 101:203-7, 13 Feb 71 (Fre)
[Jaundice and rifampicin] Piéron R, et al.
Sem Hop Paris 47:1286-95, 26 Apr 71 (Fre)
[How can one supervise the treatment of tuberculosis?] Germouty J, et al.
Therapeutique 47:49-52, Jan 71 (Fre)
[Inhibition of isoniazid activity in the presence of chloroquinum diphosphoricum] Havel A, et al.
Arzneim Forsch 20:1167-71, Sep 70 (Ger)
[Standard therapy of tuberculosis] Orlowski EH.
Dtsch Med J 22:17-8, 5 Jan 71 (Ger)
[Bacteriological methods for the control and supervision of chemotherapy of tuberculosis] Petersen KF. Dtsch Med J 22:53-6, Jan 71 (Ger)
[Chemotherapy card for tuberculosis patients]
Dtsch Med Wochenschr 95:2101, 9 Oct 70 (Ger)
[Antitubercular agents] Mordasini ER, et al.
Int Z Klin Pharmakol Ther Toxikol 4:467-86, Jun 71 (246 ref.) (Ger)
[Advances and principles in tuberculostatic therapy] Bethge H. Internist (Berlin) 12:328-31, Aug 71 (Ger)
[Effect of the addition of the 3rd agent on the combined therapy with ethionamide and kanamycin in tuberculosis in the mice] Matsumiya T, et al.
Jap J Tuberc Chest Dis 16:30-4, Jul 70 (Ger)
[Significance of isoniazid for the therapy of experimental infection with total INH- and SM-resistant human tuberculosis bacteria in the mice] Matsumiya T, et al.
Jap J Tuberc Chest Dis 16:14-29, Jul 70 (Ger)
[Efficacy of rifampicin on experimental mouse tuberculosis] Yoshida F.
Jap J Tuberc Chest Dis 16:35-43, Jul 70 (Ger)
[Introduction of the chemotherapy card. Report of the German Central Committee for Tuberculosis Control]
Munch Med Wochenschr 113:538-9, 2 Apr 71 (Ger)
[The influence of E. coli-L-asparaginase on the course of the experimental guinea pig tuberculosis] Schwartz E, et al. Pneumonologie 143:15-22, 1970 (Ger)
[The simultaneous use of rifampicin and other antitubercular agents with oral contraceptives] Reimers D, et al.
Prax Pneumol 25:255-62, May 71 (Ger)
[Long-term results of tuberculosis therapy in the District of Cottbus] Ganguin HG.
Z Erkr Atmungsorgane 133:54-8, Dec 70 (Ger)
[Effect of emetinum hydrochloricum on experimental tuberculosis in guinea pigs] Schwartz E, et al.
Zentralbl Bakteriol [Orig] 215:90-8, 1970 (Ger)
[Rifampicin and isoniazid in the intermittent treatment of experimental tuberculosis in guinea-pigs] Daddi G, et al.
Ann Ist Carlo Forlanini 29:35-40, 1969 (Ita)
[Intermittent treatment with Rifampicin in experimental tuberculosis in guinea pigs] Nitti V, et al. Arch Tisiol Mal Appar Resp 24:223-43, Dec 69 (Ita)
[Activity of terizidone in experimental tuberculosis in rabbits] Nitti V, et al.
Arch Tisiol Mal Appar Resp 24:667-98, Sep 69 (Ita)
[Toxicity of antimycobacterial drugs. 20 years of experience in therapy of tuberculosis] Battigelli G, et al. Minerva Med 62:730-4, 24 Feb 71 (Ita)
[Antituberculous activity of capreomycin and cross resistance to kanamycin, capreomycin and viomycin. 1. In vitro effects of capreomycin on Mycobacterium and the survival of tuberculous mice treated with capreomycin] Tanaka K, et al.
Bull Chest Dis Res Inst Kyoto Univ 3:36-43, Sep 69 (Jap)
[Symposium: chemotherapy including new antituberculer agents] Fukuhara T, et al.
Kekkaku 46:3-4, Feb 71 (Jap)
[Experimental studies on the effect of the combined therapy with PZA, TH and INH in the treatment of drug-resistant tuberculosis] Fukuhara Y.
Kekkaku 46:35-7, Jan 71 (Jap)
[Evaluation of patients excreting multi-resistant Mycobacterium tuberculosis in the sputum] Gomi J, et al. Kekkaku 45:10-4, May 70 (Jap)
[Experimental studies on intermittent use of rifampicin alone or combined with other secondary antituberculous drugs] Suzuki T.
Kekkaku 46:153-64, May 71 (Jap)
[Treatment of the patients with multiple drug resistance--effect of rifampicin AMP] Tachibana T.
Kekkaku 46:37-8, Jan 71 (Jap)
[Anti-tuberculosis activity of rifampicin for experimental tuberculosis of mice] Toyoara M, et al.
Kekkaku 46:19-22, Jan 71 (Jap)
[Antituberculous activity of rifampicin for the experimental tuberculosis of guinea pigs] Toyoara M.
Kekkaku 45:375-8, Nov 70 (Jap)
[Analysis of the causes of the discontinuing by out-patients of chemotherapy with second-line drugs] Fafrowicz B, et al. Gruzlica 38:1187-92, 1970 (Pol)
[Risk of development of tuberculous lesions in the lungs following treatment of tuberculous pleural effusion] Telejko Z. Gruzlica 39:209-13, 1971 (Pol)
[Treatment of resistant chronic tuberculosis. A new antitubercular agent: terizidone] Hammerli A, et al.
Rev Bras Med 26:684-8, Nov 69 (Por)
[Cross resistance of Mycobacterium tuberculosis to streptomycin, kanamycin and viomycin] Makarevich NM, et al. Antibiotiki 15:345-51, Apr 70 (Rus)
[Change in isoniazid-H3 concentration in the blood and tissues in relation to dosage and mode of administration] Bondarev IM, et al.
Biull Eksp Biol Med 70:31-4, Oct 70 (Rus)
[Functional reorganization of the thyroid gland in experimental tuberculosis and its antibacterial therapy] Pashchenko SI, et al.
Biull Eksp Biol Med 68:30-3, Nov 69 (Rus)
[Therapeutic effect of vanadyl sulfate in experimental tuberculosis] Bala IuM, et al.
Farmakol Toksikol 34:346-8, May-Jun 71 (Rus)
[Bacteriostatic action of Tubazid with intermittent administration] Chernogradskiĭ IP.
Probl Tuberk 48:86-9, 1970 (Rus)
[Blood bacteriostatic activity in patients following administration of antituberculosis preparations and its clinical significance] Ginzburg TS, et al.
Probl Tuberk 48:73-7, 1970 (Rus)
[Importance of the inactivation of tubazid in the complex therapy of patients with pulmonary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tuberculosis] Kartseva TM.
Probl Tuberk 48:36-9, 1970 (Rus)
[Mycobacterium tuberculosis drug resistance according to data from the Kemerov regional antituberculosis dispensary] Kopylova IF.
Probl Tuberk 49:53-5, 1971 (Rus)
[Experimental study of rifampicin and ethambutol] Kozulitsyna TI, et al. Probl Tuberk 49:64-8, 1971 (Rus)
[Changes in the biotin and inositol content of tissues of healthy and tubercular guinea pigs during administration of antibacterial preparations] Kruchakova FA. Probl Tuberk 48:49-54, 1970 (Rus)
[Glucose-6-phosphatase activity in tuberculosis-infected animals during long-term use of bacteriostatic agents and group B vitamins] Romaniuk SL. Probl Tuberk 49:76-9, 1971 (Rus)
[Morphological changes in the liver of guinea pigs with minor tubercular changes treated for a prolonged period with streptomycin, phthivazid and PASK] Rudaftene AP. Probl Tuberk 48:78-82, 1970 (Rus)
[Use of vitamins during tubazid treatment of experimental tuberculosis in white mice] Semenov AD, et al. Probl Tuberk 48:82-5, 1970 (Rus)
[Comparative value of tubazid, larusan and preparation INKh-17] Smirnov GA, et al.
Probl Tuberk 48:29-36, 1970 (Rus)
[Effect of phthivazid and isoniazid on the macro- and microorganisms in tubercular infections] Sodikov ES, et al. Probl Tuberk 48:58-61, 1970 (Rus)
[Primary drug resistance in tuberculosis] Zykov MP. Sov Med 33:121-5, Sep 70 (Rus)
[Effect of administration of more tuberculostatics on experimental tuberculosis] Durišić M, et al.
Glas Srp Akad Nauka [Med] 22:125-36, 1969 (Ser)
[Liver function in tuberculosis treated with pyrazinamide, cycloserine, ethionamide and isoniazid] Uçak D, et al.
Tip Fak Mecm 32:48-52, 1969 (Tur)
[The antitubercular activity of oxytetracycline] Ginzburg TS, et al.
Mikrobiol Zh 31:410-2, Jul-Sep 69 (Ukr)
[Toxico-allergic reaction to streptomycin in tuberculous children] Kasarda VV.
Pediatr Akush Ginekol 2:24-5, Mar-Apr 70 (Ukr)
[Chemoprophylaxis of tuberculosis in a special children's hospital] Prosvirnova VN.
Pediatr Akush Ginekol 2:25-6, Mar-Apr 70 (Ukr)

ETIOLOGY

Psoriasis, methotrexate and tuberculosis. Smith JD, et al. Br J Dermatol 84:590-3, Jun 71
The role of cord factor in pathogenesis of tuberculosis. Kato M. Jap J Med Sci Biol 24:47-51, Feb 71
[Tuberculosis as an occupational hazard or hazard connected with employment] Kreuser F.
Zentralbl Arbeitsmed 21:9-14, Jan 71 (Ger)
[On aggressivity and allergic characteristics of BCG when it is pathogenic for the newborn] Silanos G.
Minerva Pediatr 23:37-44, 7 Jan 71 (Ita)

FAMILIAL & GENETIC

Height, weight, tuberculous infection, and tuberculous disease. Edwards LB, et al.
Arch Environ Health 22:106-12, Jan 71
Tuberculosis often a geriatric disease. Alvarez WC.
Geriatrics 26:82, Apr 71
[Relationship between sarcoidosis and tuberculosis from the genetic viewpoint] Jörgensen G.
Med Monatsschr 25:254-8, Jun 71 (Ger)
[Hospitalization of multiparous mothers with active tuberculosis] Bauér RG.
Probl Tuberk 48:12-4, 1970 (Rus)

HISTORY

Tuberculosis. Review of work done in India in the last twenty-five years. Deshmukh MD.
J Assoc Physicians India 18:105-16, Jan 70
[The scientific work of Vincenzo Monaldi] (Monaldi V), Blasi A. Lotta Tuberc 39:219-34, Oct-Dec 69 (Ita)
[1st Koumiss Infirmary of Bashkiria (on the 80th anniversary of its organization)] Gazizov FG.
Probl Tuberk 48:87-8, 1970 (Rus)
[50th anniversary of Tuberculosis Sanatorium No. 1 for Children of the Ministry of Public Health of the Udmurt ASSR] Sapozhnikov KN.
Probl Tuberk 48:86-7, 1970 (Rus)

IMMUNOLOGY

Significance of Middlebrook-Dubos and Middlebrook antibodies in tuberculosis. Popp L.
Am Rev Resp Dis 104:267-71, Aug 71
A comparative study of tuberculin and refined lepromin in leprosy. Choudhuri SK, et al.
Bull Calcutta Sch Trop Med 17:11-2, Jan 69
Influence of isoniazid on naturally acquired tuberculin allergy and on induction of allergy by BCG vaccination. Narain R, et al. Bull WHO 43:53-64, 1970
Immunological relationship between sarcoidosis and tuberculosis. Sharma OP.
Indian J Med Res 58:1551-9, Nov 70
In vitro correlates of delayed hypersensitivity in tuberculosis. Verma IC.
Indian J Pediatr 37:337-46, Jul 70
Epidemiological study of anonymous mycobacteria infection using three types of tuberculins. Najem GR.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:1-8, 1971
Correlation of macrophage migration inhibition with tuberculin skin reaction in experimental tuberculosis. Yamamoto KI.
Jap J Med Sci Biol 24:191, Jun 71
Reaction to tuberculin, susceptibility to diphtheria and immunity against smallpox among medical students over a decade. Whitted HH, et al.
Med Ann DC 40:361-6, Jun 71
Use of various concentrations of culture filtrates of tubercle bacilli for detection of precipitins in the blood serum of tuberculous patients. Rowińska E, et al. Pol Med J 9:1159-67, 1970
[Immunity against tuberculosis] Aho K.
Duodecim 86:1223-6, 1970 (Fin)
[Specific resistance produced by BCG in iso-immunized animals] Miron S, et al.
Arch Roum Pathol Exp Microbiol 29:103-8, Mar-Jun 70 (Fre)
[Comparative studies of 5 BCG substrains. 3. Anti-tuberculous resistance acquired by BCG vaccination with 5 vaccines of different origins] Paraschivesco M, et al.
Arch Roum Pathol Exp Microbiol 28:545-8, Jun-Sep 69 (Fre)
[Comparative studies of 5 G substrains. II. Tuberculin sensitization with 5 BCG vaccines] Paraschivesco M, et al.
Arch Roum Pathol Exp Microbiol 28:541-4, Jun-Sep 69 (Fre)
[Antistreptolysin O specificity in tuberculous African patients] Baylet R, et al.
Bull Soc Med Afr Noire Lang Fr 15:409-11, 1970 (Fre)
[Influenza and tuberculosis] Wigniolle A.
Rev Tuberc Pneumol (Paris) 34:1107-10, Dec 70 (Fre)
[Tuberculosis immunity] Wunderwald A.
Prax Pneumol 25:129-42, Mar 71 (Ger)
[Transformation of blood lymphocytes as an example of celiular immune reaction in tuberculosis] Pappaas A, et al. Verh Dtsch Ges Inn Med 75:683-6, 1969 (Ger)
[Anti-tuberculosis vaccination with SDV (Salvioli's diffusing vaccine) in the second decade of its use] Gotti D. Clin Pediatr (Bologna) 52:255-70, Jun 70 (Ita)
[Prospects of the use of the anti-tuberculosis vaccination with SDV (Salvioli's diffusing vaccine) in the current epidemiologic phase of tuberculosis] Mariani B.
Clin Pediatr (Bologna) 52:275-9, Jun 70 (Ita)
[Studies on tuberculous infection and protection in subcellular level] Kanai K, et al.
Kekkaku 45:440-2, Dec 70 (Jap)
[Sensitization and protection mechanisms in tuberculosis infection] Kanai O.
Kekkaku 46:2, Feb 71 (Jap)
[Aspects of the development of tuberculosis infections among students of advanced studies] Racine R.
Hoja Tisiol 26:76-94, 1969 (Por)
[Studies of the duration of immunity obtained with BCG and the interval for re-vaccination] Golli V.
Rev Med Chir Soc Med Nat Iasi 75:343-6, Apr-Jun 71 (Rum)
[Antituberculosis antibodies in the serum of retroplacental maternal blood and in umbilical blood of the newborn infant] Dogotar' NA.
Probl Tuberk 48:81-2, 1970 (Rus)
[Passive transfer of tuberculin type allergy] Kalmykova GN. Probl Tuberk 49:68-72, 1971 (Rus)
[Characteristics of changes in the sorption properties of the mouse gastrocnemius muscle during the development of antitubercular postvaccinal immunity] Shkol'nikova MD.
Tsitologiia 13:305-10, Mar 71 (Rus)
[Antibodies to several microbes in the sera of acute leukemia patients] Krotova TA, et al.
Vopr Onkol 17:25-9, 1971 (Rus)
[Mechanism of the reaction of blood neutrophils to antigens] Fradkin VA.
Zh Mikrobiol Epidemiol Immunobiol 47:119-24, Jul 70 (Rus)
[Specific allergy and its immunologic significance in infection of guinea pigs with hydrazide sensitive and resistant causative agents of tuberculosis] Mirzoian EZ.
Zh Mikrobiol Epidemiol Immunobiol 47:80-1, Sep 70 (Rus)
[Allergy and immunity in tuberculosis] Villar Gorli H.
Hoja Tisiol 26:127-35, 1969 (Spa)

METABOLISM

The effects of chemotherapy on iron, folate, and vitamin B 12 metabolism in tuberculosis. Line DH, et al. Q J Med 40:331-40, Jul 71
[Effect of calcification and decalcification on morphological and biochemical changes in the myocardium of guinea pigs infected with tuberculosis] Giza T, et al.
Patol Pol 21:709-18, Oct-Dec 70 (Pol)
[Tyrosine metabolism disorders in epidemic hepatitis with complicating diseases] Kontsevaia NG, et al.
Sov Med 34:153-4, Jan 71 (Rus)

MICROBIOLOGY

Further studies on African strains of Mycobacterium tuberculosis: comparison with M. bovis and M. microti. Pattyn SR, et al.
Ann Soc Belg Med Trop 50:211-27, 1970
Characteristics of African M. tuberculosis. Zykov MP, et al. Jap J Tuberc Chest Dis 16:76-83, Jul 70
Electron-microscopic study of mesosome structures in Mycobacterium tuberculosis strains isolated from patients with different susceptibility toward isoniazid and streptomycin. Radanov B, et al.
Nauchni Tr Vissh Med Inst Sofiia 49:11-9, 1970
[Incidence of resistant mutants of Mycobacterium tuberculosis (MT) strains from different areas of Rumania. Bacteriological study--epidemiological aspects] Anastasatu C, et al.
Arch Roum Pathol Exp Microbiol 29:212-22, Mar-Jun 70 (Fre)
[Human tuberculosis caused by the bovine bacillus in Denmark after eradication of bovine tuberculosis] Hublart M, et al.
Bull Acad Vet Fr 42:69-73, Feb 69 (Fre)
[Value of animal experiments in the demonstration of Mycobacterium tuberculosis] Albrecht J, et al.
Prax Pneumol 25:10-6, Jan 71 (Ger)
[Course and prognosis of the patients with multiple drug resistance] Otsumi K.
Kekkaku 46:33-5, Jan 71 (Jap)
[Value of the so-called biological test for the bacteriological diagnosis of tuberculous infection] Janowiec M. Gruzlica 39:377-85, May 71 (Pol)
[Organization and 1st results of the centralized bacteriologic service of the tuberculosis institutions of Leningrad] Dobrego VA, et al.
Probl Tuberk 49:4-6, 1971 (Rus)
[Isolation of L forms of mycobacteria from pathologic material of tuberculosis patients] Kochemasova ZN, et al. Probl Tuberk 48:83-5, 1970 (Rus)
[Organization of bacteriologic studies in a tuberculosis dispensary] Zhornisk LP, et al.
Probl Tuberk 49:9-12, 1971 (Rus)

MORTALITY

Deaths from tuberculosis. Stack BH.
Br Med J 2:713, 19 Jun 71
Deaths from tuberculosis. Br Med J 2:419, 22 May 71
Crude mortality by size of tuberculin reaction. Narain R, et al. Indian J Med Res 59:5-18, Jan 71
Tuberculosis mortality under scrutiny. Anderson JP.
Lancet 2:107, 10 Jul 71
Tuberculosis mortality under scrutiny.
Lancet 1:1167-8, 5 Jun 71
Tuberculosis deaths in subjects under age 50 with short disease histories. Aho K, et al.
Scand J Resp Dis 52:19-25, 1971
Tuberculosis--diagnosed and undiagnosed--as a cause of death. Autopsy observations. Mikelš V, et al.
Scand J Resp Dis 52:13-8, 1971
A survey of tuberculosis mortality in England and Wales in 1968. A report from the Research Committee of the British Thoracic and Tuberculosis Association.
Tubercle 52:1-18, Mar 71
[Tuberculosis mortality in France in 967 and 1968] Lotte A, et al.
Bull Inst Nati Sante Rech Med 24:1551-77, Nov-Dec 69 (Fre)
[Epidemiology of tuberculosis] Neumann G.
Dtsch Med J 22:57-63, Jan 71 (Ger)
[Epidemiology of tuberculosis] Neumann G.
Med Klin 66:67-73, 15 Jan 71 (42 ref.) (Ger)
[Frequency of tuberculosis based on autopsy studies] Schenk KE. Med Welt 50:2146-50, 12 Dec 70 (Ger)
[Measures for reduction of Japanese tuberculosis mortality which is still several times higher than that of the U.S.A., Britain and other countries] Matsumiya T, et al. Kekkaku 46:4-5, Feb 71 (Jap)
[An attempt to estimate the mortality rate from tuberculosis in Japan in 1960] Yanagawa H, et al.
Kekkaku 46:173-8, May 71 (Jap)
[An analysis of the Prefectural difference in the prevalence of tuberculosis and its relating factors, and future prospect. 1. Relation between the mortality at present and factors representing the characteristics in the changes of the mortality from tuberculosis] Yanagawa H, et al.
Kekkaku 46:203-10, Jun 71 (Jap)

OCCURRENCE

Further exploratory studies in sarcoidosis. An epidemiologic investigation to compare the prevalence of tuberculosis infection and-or disease among contacts of matched sarcoidosis and asthmatic patients. Zaki MH, et al.
Am Rev Resp Dis 103:539-45, Apr 71
Tuberculosis in immigrants. Lauckner JR.
Br Med J 1:906, 13 Mar 71
PPD-S and atypical mycobacterial skin testing in a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

North Indian hospitalized child population. Sinclair S, et al. Indian J Med Sci 25:341-50, Apr 71
Crude mortality and tuberculosis morbidity among infected and uninfected children. Raju VB, et al. Indian Pediatr 8:11-21, Jan 71
Tuberculosis in Arkansas.
J Arkansas Med Soc 67:411-2, Apr 71
Tuberculosis undefeated. Collins W.
J Ir Med Assoc 64:291-4, 10 Jun 71
Tuberculosis in Georgia--1971. Corpe RF.
J Med Assoc Ga 60:257-8, Jul 71
Tuberculosis outbreak. Myers AJ.
JAMA 217:1394, 6 Sep 71
Primary drug-resistant tuberculosis. Report of an outbreak. Steiner M, et al.
N Engl J Med 283:1353-8, 17 Dec 70
Tuberculosis in rural Vietnam. Vennema A.
Tubercle 52:49-59, Mar 71
Tuberculosis: a continuing problem. Booker JJ 3d, et al.
Va Med Mon 98:144-6, Mar 71
[Tuberculosis is still a danger] Munting JP.
Ned Tijdschr Geneeskd 115:1252-6, 24 Jul 71 (Dut)
[Tuberculosis in black African migrants] Van Wymeersch H, et al.
Acta Tuberc Pneumol Belg 60:886-95, 1969 (Fre)
[Some aspects of tuberculosis at puberty] Sibilia S.
Ann Pediatr (Paris) 17:676-9, 2 Oct 70 (Fre)
[The laboratory viewpoint in tuberculosis epidemiology] Lafontaine A.
Arch Belg Med Soc 28:17-25, Jan 70 (Fre)
[Human tuberculosis caused by mycobacterium bovis throughout the world] Hublart M, et al.
Bull Acad Vet Fr 42:53-8, Jan 69 (Fre)
[Results of a tuberculin survey in humans and in animals in a rural area in Senegal] Sarrat H, et al.
Bull Soc Pathol Exot 62:992-1000, Nov-Dec 69 (Fre)
[Incidence and forms of human infection caused by bovine tuberculosis bacillus: world statistics (1954-1967)] Gervois M, et al.
Lille Med 14:1226-8, Dec 69 (Fre)
[Epidemiology of initial tuberculosis in the North of France] Gervois M, et al.
Lille Med 16:267-76, Feb 71 (Fre)
[Primary tuberculosis in migrant adults] Macquet V, et al. Lille Med 16:339-41, Feb 71 (Fre)
[Evaluation of the obligatory declaration of tuberculosis in the department of Nord] Spahn R.
Lille Med 15:1319-22, Nov 70 (Fre)
[Statistics on tuberculosis in 1968 in the Rhone district] Gardere H. Lyon Med 222:451-3, 5 Oct 69 (Fre)
[Tuberculosis in the armed forces in 1970] Souquet R.
Rev Corps Sante Armees 12:63-74, Feb 71 (Fre)
[Occurrence and epidemiologic importance of clinically undetected tuberculosis. Observations based on extensive autopsy material] Justus J, et al.
Dtsch Gesundheitsw 24:2314-8, 4 Dec 69 (Ger)
[What is the influence of the decline of tuberculous disease figures on the attitude to the tuberculosis problem?] Steinbrück P.
Dtsch Gesundheitsw 25:2305-9, 19 Nov 70 (Ger)
[Hazards of transmission of M. tuberculosis infection] Stybio K. Dtsch Med J 22:38-42, Jan 71 (Ger)
[Epidemiology and current importance of tuberculosis] Lukas W.
Med Klin 65:1795-800, 9 Oct 70 (Ger)
[Epidemiology of tuberculosis] Neumann G.
Med Klin 66:67-73, 15 Jan 71 (42 ref.) (Ger)
[Epidemiology of tuberculosis in Austria] Junker E.
Pneumonologie 143:202-20, 1970 (Ger)
[Epidemiology of tuberculosis. Pathological anatomy] Uehlinger E. Pneumonologie 143:221-34, 1970 (Ger)
[Change of type of tuberculosis and its dependence on radiological diagnosis of pulmonary diseases] Steinbrück P.
Radiol Diagn (Berl) 11:283-91, 1970 (Ger)
[Intracranial tuberculosis: yesterday and today] Bagchi AK, et al.
Wien Med Wochenschr 120:823-8, 21 Nov 70 (Ger)
[The tuberculosis situation in Steyr] Wojta H.
Wien Med Wochenschr 120:965-7, 19 Dec 70 (Ger)
[Experiences in gain of risk groups with the help of mass chest x-ray in Hungary] Németh T.
Z Erkr Atmungsorgane 133:36-42, Dec 70 (Ger)
[Tuberculosis in the stage of retreating epidemics] Steinbrück P.
Z Erkr Atmungsorgane 133:1-18, Dec 70 (Ger)
[Report on epidemics among students] Tetzner W.
Z Erkr Atmungsorgane 133:115-7, Dec 70 (Ger)
[Occurrence of tuberculosis bacteria in streams] Ancuza M, et al. Z Gesamte Hyg 16:913-6, Dec 70 (Ger)
[On tuberculosis with exclusive extrapulmonary localization. Findings in autopsy material] Del Bono M, et al. Arch Monaldi 25:188-200, May-Jun 70 (Ita)
[Epidemiology of tuberculosis in Valle D'Aosta in the period between 1 March 1967 and 29 February 1968. Quantitative and qualitative findings] Laugeri S, et al.
Lotta Tubere 40:32-41, Jan-Mar 70 (Ita)
[Tubercular morbidity in the province of Forli. Studies conducted in the period, 1 March 1967-29 February 1968] Miceli S, et al.
Lotta Tubere 39:375-86, Oct-Dec 69 (Ita)
[Present problems in the epidemiology of tuberculosis]
Policlinico [Prat] 78:502-8, 15 Jun 71 (Ita)
[Epidemiology of tuberculosis in communities (symposium)] Aoki K, et al.
Kekkaku 45:379-83, Nov 70 (Jap)
[Estimation of future epidemiological trends of tuberculosis in Japan and the evaluation of tuberculosis control programmes by simulation analysis] Endo S, et al.
Kekkaku 46:99-111, Apr 71 (Jap)
[The transition of tuberculous patients hospitalized during the past 5 years in Niigata-City--with special reference to the newly detected cavitary cases with positive sputum] Hashimoto T, et al.
Kekkaku 45:367-73, Nov 70 (Jap)
[Evaluation of tuberculosis control on regional level. 1. Establishment of criteria for the evaluation of tuberculosis control. Consideration on the indices used for the evaluation of tuberculosis control] Kondo T. Kekkaku 46:309-14, Aug 71 (Jap)
[Symposium: concept and practice of epidemiological study of tuberculosis] Okada H, et al.
Kekkaku 45:3-7, May 70 (Jap)
[Changing picture of tuberculosis during a decade] Tveit J.
Tidsskr Nor Laegeforen 91:866-8, 30 Apr 71 (Nor)
[Aspects of the development of tuberculosis infections among students of advanced studies] Racine R.
Hoja Tisiol 28:76-94, 1969 (Por)
[Major epidemiologic shifts in tuberculosis in the city of Berezniki] Shipin GE.
Probl Tuberk 48:23-5, 1970 (Rus)
[Tuberculosis in Cosamaloapan and Cuenca of the Papoloapan. Review of 160 cases] Aguilar Padilla L.
Prensa Med Mex 36:86-9, Feb 71 (Spa)
[The 3rd National Census on Tuberculosis in Uruguay (1967)] Ginés AR. Torax 19:109-25, Jun 70 (Spa)
[Detection of tuberculosis in the course of an academic year] Prevost H.
Acta Tuberc Pneumol Belg 61:193-220, May-Aug 70 (Mul)
[Current status of tuberculosis in Slovakia] Poláček A, et al. Cesk Zdrav 19:14-22, 1971 (Slo)

PATHOLOGY

Bone marrow picture in tuberculosis. Dash S, et al.
Indian J Med Sci 25:175-9, Mar 71
[The course of tuberculous inflammaton in guinea pigs, vaccinated with BCG, under the effect of hypersensitization] Diaconiță G.
Arch Roum Pathol Exp Microbiol 29:249-63, Mar-Jun 70 (Fre)
[Immunomorphological changes in the preallergic period in experimental tuberculosis] Radanov R, et al.
Rev Immunol (Paris) 34:329-41, Oct-Dec 70 (Fre)
[Tuberculosis of the tongue. Study of the pathogenesis in 5 cases] Bambakis Ch, et al.
Stomatologia (Athenai) 27:317-22, Nov-Dec 70 (Gre)
[Metastasis of the tuberculous focus] Yasuhira K.
Bull Chest Dis Res Inst Kyoto Univ 3:24-35, Sep 69 (Jap)
[Effect of calcification and decalcification on morphological and biochemical changes in the myocardium of guinea pigs infected with tuberculosis] Giza T, et al.
Patol Pol 21:709-18, Oct-Dec 70 (Pol)

PHYSIOPATHOLOGY

[Radiometric and historadioautographic study of the capillary network in tuberculosis] Gedymin LE.
Biull Eksp Biol Med 68:109-12, Oct 69 (Rus)
[Functional reorganization of the thyroid gland in experimental tuberculosis and its antibacterial therapy] Pashchenko SI, et al.
Biull Eksp Biol Med 68:30-3, Nov 69 (Rus)

PREVENTION & CONTROL

Tuberculin sensitivity eight to fifteen years after BCG vaccination. Comstock GW, et al.
Am Rev Resp Dis 103:572-5, Apr 71
Cross immunity between mycobacterial and Pseudomonas pseudomallei infections in mice. Hobby GL, et al. Am Rev Resp Dis 103:569-71, Apr 71
Chemoprophylaxis of tuberculosis: when is the benefit worth the risk and cost? Moulding T.
Ann Intern Med 74:761-70, May 71
Comparison of the efficacy of liquid and freeze-dried strains of B.C.G. vaccine in preventing tuberculosis. Springett VH, et al. Br Med J 4:148-50, 17 Oct 70
The protective effect in bank voles of some strains of BCG. Ladefoged A, et al. Bull WHO 43:71-90, 1970
Feasibility of a chemoprophylaxis trial in India against tuberculosis. A pilot study. Narain R, et al.
Bull WHO 43:41-52, 1970
Use of an epidemiological model for estimating the effectiveness of tuberculosis control measures. Sensitivity of the effectiveness of tuberculosis control measures to the social time preference. Waaler HT, et al. Bull WHO 43:1-16, 1970
The control of tuberculosis in Matabeleland. Doy RW.
Cent Afr J Med 16:270-4, Dec 70
Influence of V.D.S. (diffusible killed antitubercular vaccine Salvioli) on the course of experimental tuberculosis in guinea-pigs evoked by H 37 Rv strain bacilli. Fafrowicz B, et al.
Clin Pediatr (Bologna) 52:299-302, Jul 70
Which children in the United States should receive BCG vaccination? Smith DT.
Clin Pediatr (Phila) 9:632-4, Nov 70
Feasibility of a chemoprophylaxis trial in India against tuberculosis. Narain R, et al.
Indian J Med Res 59:339-54, Mar 71
Trials with oral B.C.G. Mathur YC, et al.
Indian Pediatr 7:492-5, Sep 70
Evaluation of B.C.G. vaccination in children below six years. A pilot study. Raju VB, et al.
Indian Pediatr 7:532-41, Oct 70
Comparative experimental study of sensitivity to tuberculin and lepromin in guinea-pigs previously inoculated with BCG by oral and intradermal routes. Azulay RD, et al. Int J Lepr 38:373-8, Oct-Dec 70
Behavior of attenuated mycobacteria in organs of neonatal and adult mice. Costello RT, et al.
J Exp Med 134:366-80, 1 Aug 71
Drug resistance in tuberculosis. Roy RL.
J Indian Med Assoc 55:365-6, 16 Nov 70
Tuberculosis patient care of the future.
JAMA 216:883-4, 3 May 71
Tuberculosis in the laboratory. Lancet 2:1023, 14 Nov 70
Isoniazid prophylaxis re-examined. Noble J.
N Engl J Med 285:637-9, 16 Sep 71
The computer and tuberculosis.
N Engl J Med 285:803-4, 30 Sep 71
Turning-point and achievements in tuberculosis control during the 25-year period of Polish People's Republic. Jaroszewicz W. Pol Med J 10:50-64, 1971
BCG vaccination. Ironside AG.
Practitioner 206:488-93, Apr 71
Baltimore uses inner city aides in a Tuberculosis Control Program. Moodie AS, et al.
Public Health Rep 85:955-63, Nov 70
Baltimore uses inner city aides in a tuberculosis Control Program. Moodie AS, et al.
Public Health Rep 85:955-63, Nov 70
Interpretation of the multiple puncture tuberculin reaction. Collins TF. S Afr Med J 44:1287-9, 14 Nov 70
Standardization of freeze-dried BCG vaccine by means of vaccination tests. Hesselberg I.
Scand J Resp Dis [Suppl] 72:Suppl 72:53-8, 1970
Tuberculosis control in Britain 1945-1970-1995.
Springett VH. Tubercle 52:136-47, Jun 71
Risk of infection. Tubercle 51:333-4, Sep 70
Market research in tuberculosis.
Tubercle 52:151-3, Jun 71
[Population screening and chemoprophylaxis in tuberculosis] Tani P. Duodecim 86:1244-51, 1970 (Fin)
[Continuous ambulatory antituberculous treatment. Statistical study of the effects of a tuberculous control program] Henneghien C, et al.
Acta Tuberc Pneumol Belg 60:866-20, 1969 (Fre)
[Research on the protective action of rifampicin administered intermittently in experimental tuberculosis in guinea pigs] Algeorge G, et al.
Ann Pediatr (Paris) 17:674, 2 Oct 70 (Fre)
[Antituberculous armements today]
Reynes-Chaubiron N.
Ann Pediatr (Paris) 17:680-4, 2 Oct 70 (Fre)
[Place of models in the perspectives of tuberculosis control] Rouillon A.
Ann Pediatr (Paris) 17:685-92, 2 Oct 70 (Fre)
[The protective activity of mycobacterial antigens. 3. Protective activity of killed mycobacterial bodies] Stavri D, et al.
Arch Roum Pathol Exp Microbiol 29:91-101, Mar-Jun 70 (Fre)
[Antitubercular campaign in schools] Vanderperren L.
Brux Med 50:371-3, May 70 (Fre)
[Study of an informatic system applied to the Public Health Services (tuberculosis control services in the department of Bas-Rhin)] Hatton F, et al.
Bull Inst Nati Sante Rech Med 25:727-36, May-Jun 70 (Fre)
[Medico-social aspects of diabetology] Slavutsky I.
Diabete Suppl:52-3, 28 Sep 68 (Fre)
[Tuberculin index and B.C.G. vaccination of students (Lille, 1967-68)] Gervois M, et al.
Lille Med 14:1224-5, Dec 69 (Fre)
[Retrospective balance sheet of tuberculosis control in the province of Tangier from 1960 to 1968. Epidemiologic, bacteriologic and therapeutic consideration. Prognosis] Kairouani A.
Maroc Med 50:705-15, Dec 70 (Fre)
[Preliminary note on the association of BCG and measles vaccines] Dutertre J, et al.
Med Trop (Mars) 29:603-6, Sep-Oct 69 (Fre)
[Fight against tuberculosis--an imperative] Arnold E.
Praxis 59:467-8, 31 Mar 70 (Fre)
[On what data can we agree to define the French antituberculosis program for the seventies?] Coudreau H.
Rev Tuberc Pneumol (Paris) 34:659-61, Jul-Aug 70 (Fre)
[3 years' experience with B.C.G. vaccination by multipuncture] Dumon JF, et al.
Rev Tuberc Pneumol (Paris) 33:1019-22, Nov 69 (Fre)
[What is the influence of the decline of tuberculous disease figures on the attitude to the tuberculosis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

problem?] Steinbrück P.
Dtsch Gesundheitsw 25:2205-9, 19 Nov 70 (Ger)
[Chemotherapy in th control of tuberculosis as a population disse] Crofton J.
Dtsch Med J 22:1-6, 5 Jan 71 (Ger)
[Remarks on the publication of G. Neumann: "Optimal work in tuberculosis welfare centers." Off. Gesundh.-Wesen 32 (1970), 387-391] Albrecht J.
Oeff Gesundheitswes 32:690-1, Dec 70 (Ger)
[Tuberculosis control in the Federal Republic in 1970] Göttsching C.
Oeff Gesundheitswes 32:437-48, Sep 70 (Ger)
[An attempt at documentation in tuberculosis welfare] Lange F. Oeff Gesundheitswes 32:130-8, Mar 70 (Ger)
[Situation of tuberculosis in Czechoslovakia with special reference to BCG-vaccination] Pechová L, et al. Oeff Gesundheitswes 31:43-7, Jan 69 (Ger)
[Difficulties in carrying out the precautions against injudicious infectious tuberculosis patients in Austria] Braun K.
Wien Med Wochenschr 120:989-91, 19 Dec 70 (Ger)
[Measures against injudicious tuberculosis patients] Horn J.
Wien Med Wochenschr 120:998-9, 19 Dec 70 (Ger)
[Measures executable in Austria against injudicious infectious tuberculosis patients] Junker E.
Wien Med Wochenschr 120:995-6, 19 Dec 70 (Ger)
[Observations on the theme "Precautions against injudicious tuberculosis patients"] Merkel K.
Wien Med Wochenschr 120:997-8, 19 Dec 70 (Ger)
[Precautions against injudicious infectious tuberculosis patients in Switzerland] Tromp M.
Wien Med Wochenschr 120:961-4, 19 Dec 70 (Ger)
[BCG vaccination or change to tuberculin land-register--chemoprophylaxis system] Weingärtner L.
Z Erkr Atmungsorgane 133:133-6, Dec 70 (Ger)
[Prevention of tuberculosis in the school community (clinico-social findings)] Scozia A, et al.
Arch Tisiol Mal Appar Resp 24:710-9, Sep 69 (Ita)
[Tubercular morbidity from 0 to 9 years of age in the province of Bologna in the decade 1960-1969 and preventive vaccinations with SDV] Chieco A.
Clin Pediatr (Bologna) 52:285-7, Jun 70 (Ita)
[Antitubercular vaccination in Gargagno: report on 10 years of experience with Salvioli's diffusing vaccine] Lotti F. Clin Pediatr (Bologna) 52:320-4, Jul 70 (Ita)
[Health center for antitubercular vaccination with Savioli's diffusing vaccine in the pediatric department in Formigine] Rossi G.
Clin Pediatr (Bologna) 52:351-2, Aug 70 (Ita)
[Salvioli's antitubercular vaccination: primary social imporatnce in protection of the individual and the community] Spicciarelli DA.
Clin Pediatr (Bologna) 52:317-9, Jul 70 (Ita)
[Prevention of tuberculosis: vaccination and chemoprophylaxis] Spada S.
Clin Ter 46:277-86, 15 Aug 68 (68 ref.) (Ita)
[Evolution of tuberculin allergy in 717 children vaccinated with BCG in the decade 1959-1968] Bassoli G, et al. G Ital Mal Torace 24:19-24, Jan-Feb 70 (Ita)
[Recent aspects of BCG vaccination] Lind A.
G Ital Mal Torace 24:119-27, May-Jun 70 (Ita)
[Administrative problems caused by the inclusion of the Antituberculosis Provincial Societies (APC) in the health reform program] Malvisi L.
Lotta Tuberc 39:276-307, Oct-Dec 69 (Ita)
[Antitubecular chemoprophylaxis after 15 years of clinical application] Omodei Zorini A.
Lotta Tuberc 40:448-69, Oct-Dec 70 (Ita)
[Prospects of integration of the services of antituberculosis societies with the social disease sector] Scrocca P.
Lotta Tuberc 39:272-5, Oct-Dec 69 (Ita)
[Prevention of social diseases and integration of provincial anti-tuberculosis associations in the National Health Service]
Lotta Tuberc 40:423-8 passim, Oct-Dec 70 (Ita)
[Estimation of future epidemiological trends of tuberculosis in Japan and the evaluation of tuberculosis control programmes by simulation analysis] Endo S, et al.
Kekkaku 46:99-111, Apr 71 (Jap)
[Tuberculosis in Asian countries--with special reference to the preventive measures and the basis for its application] Iwasaki T.
Kekkaku 46:1, Feb 71 (Jap)
[Tuberculosis in Asian countries, especially on control policy and studies from which the policy has been derived] Iwasaki T. Kekkaku 46:217-26, Jun 71 (Jap)
[Evaluation of tuberculosis control on regional level. 1. Establishment of criteria for the evaluation of tuberculosis control. Consideration on the indices used for the evaluation of tuberculosis control] Kondo T. Kekkaku 46:309-14, Aug 71 (Jap)
[Measures for reduction of Japanese tuberculosis mortality which is still several times higher than that of the U.S.A., Britain and other countries] Matsumiya T, et al. Kekkaku 46:4-5, Feb 71 (Jap)
[Organization of tuberculosis control in the province of Olsztyn] Lédkiewicz H. Gruzlica 39:145-6, Feb 71 (Pol)
[Tuberculosis control in the Bydgoszcz province] Lédkiewicz H. Gruzlica 38:1033-4, Oct 70 (Pol)
[Anti-tuberculosis School League (1923-1939)] Zabiotniak R. Gruzlica 38:1019, Oct 70 (Pol)
[Effect of avian mycobacteria on the course of morphological changes induced in guinea pigs with the H37RV strain] Szelefyński K, et al.
Pol Tyg Lek 25:1423-6, Sep 70 (Pol)
[BCG vaccination by oral technic. Critical review on vaccination studies using oral BCG in the Tuberculosis Unit of the Division of Communicable Diseases of WHO] Rosemberg J, et al.
Hospital (Rio de J) 78:89-102, Jul 70 (269 ref.) (Por)
[Change in the resistance of skeletal muscle of white mice to chemical action during formation of postvaccinal antitubercular immunity] Shkol'nikova MD. Biull Eksp Biol Med 72:29-32, Jul 71 (Rus)
[Effectiveness of the specific prophylaxis of tuberculosis] Kasarda VV.
Probl Tuberk 48:6-8, 1970 (Rus)
[Social bases of controlling tuberculosis] Klebanov MA. Probl Tuberk 48:5-10, 1970 (Rus)
[Effectiveness of intradermal BCG vaccination and revaccination] Korsakov IuP.
Probl Tuberk 48:1-3, 1970 (Rus)
[6-year observation of the dynamics of postvaccinal allergy in children and adults] Kuropatkin IF, et al.
Probl Tuberk 48:4-6, 1970 (Rus)
[Exerience of a rural antituberculosis clinic in the Krafnif Sever region] Pakka DN.
Probl Tuberk 48:8-10, 1970 (Rus)
[International Union Against Tuberculosis and international conferences] Shebanov FV.
Probl Tuberk 49:1-6, 1971 (Rus)
[Results of observation of persons with increased sensitivity to standard tuberculin] Tabidze ShA.
Probl Tuberk 48:15-9, 1970 (Rus)
[Results of antitubercular service to the population of Kustanaĭ District during the 50 years of the Soviet regime] Zvanets GF. Probl Tuberk 48:10-1, 1970 (Rus)
[Experience in organizing control of extrapulmonary tuberculosis in Kaluga District] Berdnikov BV. Zdravookhr Ross Fed 14:30-2, Oct 70 (Rus)
[The immunogenic and allergenic antigens of mycobacteria. I. Laboratory models for evaluation of the immunizing capacity of tuberculosis vaccines] Iablokova TB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:8-13, Feb 70 (Rus)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)
[The role of the private physician in the control of tuberculosis] Ramón Biancarte J.
Salud Publica Mex 11:625-9, Sep-Oct 69 (Spa)
[Modern tuberculosis control] Jensen KO.
Lakartidningen 68:1639-45, 31 Mar 71 (Swe)
[Improvement of the quality of antituberculous immunization] Kshanovs'kiĭ SA, et al.
Pediatr Akush Ginekol 2:21-2, Mar-Apr 70 (Ukr)

RADIOGRAPHY

Tuberculosis of the esophagus. A case report. Furuya Y, et al. Acta Med Biol (Niigata) 18:7-13, Jul 70
[Mass campaigns in radiologic detection. Their future] Perdrizet S.
Bull Inst Nati Sante Rech Med 25:37-51, Jan-Feb 70 (Fre)
[Experiences in gain of risk groups with the help of mass chest x-ray in Hungary] Németh T.
Z Erkr Atmungsorgane 133:38-42, Dec 70 (Ger)
[The image of obstruction of the superior vena cava in tuberculous mediastinitis] Sacco M, et al.
Nunt Radiol Suppl 1:89-98, 1968 (Ita)
[Establishment of a punch-card fluorographic library in a regional hospital] Kravchenko SS, et al.
Probl Tuberk 49:13-8, 1971 (Rus)

SURGERY

[Gentamicin in the nonspecific postoperative treatment of big surgical interventions in pulmonary or pleural tuberculosis] Cantarella R.
G Ital Chemioter 16:361-2, Jan-Sep 69 (Ita)
[Late results of surgical intervention in tuberculosis of the middle ear] Dadamukhamedov A.
Vestn Otorinolaringol 33:43-6, Jan-Feb 71 (Rus)

THERAPY

Standards for tuberculosis treatment. Saliba NA, et al.
Am Rev Resp Dis 103:725-6, May 71
Tuberculosis and the general hospital.
N Engl J Med 285:352, 5 Aug 71
[Antituberculous armements today] Reynes-Chaubiron N.
Ann Pediatr (Paris) 17:680-4, 2 Oct 70 (Fre)
[The Sanatorium of Snows, climatic cure institution] Perret. Rev Corps Sante Armees 12:35-9, Feb 71 (Fre)
[Experiences with a pilot study of a new regime in the management of patients with tuberculosis] Kauffmann GW.
Z Erkr Atmungsorgane 133:28-38, Dec 70 (Ger)
[Studies of subtilis therapy] Karasek E.
Zentralbl Bakteriol [Orig] 204:138-54, 1967 (Ger)
[Results of treatment of tuberculous cerebrospinal meningitis and encephalitis in 1950-1968] Laszczka C, et al. Gruzlica 38:1175-80, 1970 (Pol)
[Results and assessment of treatment of tuberculosis in patients, registered at tuberculosis dispensaries in 1969] Lecwski J, et al. Gruzlica 39:1-10, 1971 (Pol)
[On the participation of a psychologist in the treatment of tuberculosis] Nartowska W.
Gruzlica 39:143-4, Feb 71 (Pol)
[Work therapy organization in a regional tuberculosis dispensary in the far north] Pakka DN.
Probl Tuberk 49:12-4, 1971 (Rus)
[Effect of BCG vaccination on albino mice with chronic open tuberculous infections and subsequent massive inoculation] Perel'man AE, et al.
Probl Tuberk 48:62-6, 1970 (Rus)
[Diagnosis and treatment of tuberculosis of the breast] Kholod AV, et al. Sov Med 33:64-7, Sep 70 (Rus)
[Therapy of children with rheumatism and chronic tuberculous infection in sanatorium-type youth camps] Tets BG, et al.
Pediatr Akush Ginekol 3:26-7, May-Jun 69 (Ukr)

VETERINARY

Clinical laboratory studies of the gorilla, chimpanzee, and orangutan. Clevenger AB, et al.
Am J Clin Pathol 55:479-88, Apr 71
The significance of tuberculin tests in the horse. Konyha LD, et al. Am Rev Resp Dis 103:91-9, Jan 71
The early clinical diagnosis of tuberculosis in baboons. Heywood R, et al. Br Vet J 126:372-82, Jul 70
Experimental tuberculosis in owl monkeys (Aotus trivirgatus). Bone JF, et al.
Lab Anim Care 20:946-8, Oct 70
Serodiagnosis of simian tuberculosis by soluble antigen fluorescent antibody (SAFA) tests. Fife EH Jr, et al.
Lab Anim Care 20:969-78, Oct 70
Studies on tuberculous-like lesions in slaughtered camels. Elmossalami E, et al.
Zentralbl Veterinaermed [B] 18:253-61, Jun 71
[Animal tuberculosis studied especially from the viewpoint of the problems arising in the developing countries] Rafyi A.
Bull Off Int Epizoot 73:296-379, Mar-Apr 70 (Fre)
[Chromogenic mycobacteria cultures from lesions of animal tuberculosis] Lafont J, et al.
Zentralbl Bakteriol [Orig] 215:225-33, 1970 (Fre)
[Value of the iodine agglutination test in health control on mink farm herds] Zwierzchowski J.
Monatsh Vet Med 26:163-6, 1 Feb 71 (Ger)

TUBERCULOSIS, AVIAN (C1, C15)

DIAGNOSIS

[Comparative results in the detection of tuberculosis in hens with simultaneous use of tuberculin test, agglutination test and necropsy, microbiologic and histological studies] Krzyszkowska A, et al.
Gruzlica 38:1141-8, 1970 (Pol)

IMMUNOLOGY

The influence of thymic and bursal lymphoid systems in avian tuberculosis. Cheville NF, et al.
Am J Pathol 64:97-122, Jul 71
Tuberculosis caused by Mycobacterium avium type 1 in fowls and a wild duck. Grimes TM, et al.
Aust Vet J 47:72-3, Feb 71

MICROBIOLOGY

O Reilly LM,+OREILLY LM:Mycobacterium avium infections. Tubercle 52:153-4, Jun 71
[Ultrafine structure of Mycobacterium tuberculosis typus avium] Shakhbanov AA, et al.
Veterinariia 11:83-4, Nov 70 (Rus)

OCCURRENCE

Mycobacterium avium infections in cattle and pigs in Great Britain. Lesslie IW, et al.
Tubercle 51:446-51, Dec 70
[Animal tuberculosis studied especially from the viewpoint of the problems arising in the developing countries] Rafyi A.
Bull Off Int Epizoot 73:296-379, Mar-Apr 70 (Fre)
[Results of a tuberculin survey in humans and in animals in a rural area in Senegal] Sarrat H, et al.
Bull Soc Pathol Exot 62:993-1000, Nov-Dec 69 (Fre)
[Epidemiology of human infections due to atypical mycobacteria: origins of contamination] Meissner G.
Rev Tuberc Pneumol (Paris) 34:5-16, 1970 (Fre)

PREVENTION & CONTROL

[Regional sanitizing for fowl tuberculosis in one region. 2. Results of continued sanitizing measures] Bühner F, et al. Monatsh Vet Med 24:300-1, 15 Apr 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Chicken Ambesculosis no danger]
Oeff Gesundheitswes 32:559, Oct 70 (Ger)
[Morphologic changes in the organs of chickens of various age groups immunized with BCG vaccine]
Mukhamedshin RA, et al.
Probl Tuberk 48:68-73, 1970 (Rus)
[Our experience in the prevention of tuberculosis and brucellosis on farms] Rogovskif SV, et al.
Veterinariia 12:11-2, Dec 70 (Rus)
[Eradication of tuberculosis on poultry farms]
Vorob'ev AN, et al. Veterinariia 8:59, Aug 70 (Rus)

TUBERCULOSIS, BOVINE (C1, C15)

The significance of bovine tuberculous infection for human tuberculosis of to-day. Magnus K.
Scand J Resp Dis [Suppl] 72:Suppl 72:67, 1970
[Human tuberculosis caused by the bovine bacillus in Denmark after eradication of bovine tuberculosis]
Hublart M, et al.
Bull Acad Vet Fr 42:69-73, Feb 69 (Fre)
[Infantile tuberculosis of bovine origin and its evolution in the past 10 years in France] Grislain JR, et al. Pediatrie 23:747-52, Oct-Nov 68 (Fre)

COMPLICATIONS

Tuberculous nephritis in cattle: a case report. Mohanty GC. Indian Vet J 47:827-30, Aug 70

CONGENITAL

Pulmonary tuberculosis in a calf. Singh SP, et al.
Indian Vet J 48:539-41, May 71

DIAGNOSIS

Evaluation of a comparative test for tuberculin reactors from a no-gross-lesion herd. Vardaman TH, et al. Proc US Anim Health Assoc 73:405-9, 1969
[Differentiation of tuberculin reactions] Iudin GA.
Veterinariia 11:68-70, Nov 70 (Rus)

MICROBIOLOGY

[Mycobacteria of animal origin isolated by the Muraz Center from 1965 to 1968: technics of isolation and identification; results] Gidel R, et al.
Rev Elev Med Vet Pays Trop 22:495-508, 1969 (Fre)
[Chromogenic mycobacteria cultures from lesions of animal tuberculosis] Lafont J, et al.
Zentralbl Bakteriol [Orig] 215:225-33, 1970 (Fre)

OCCURRENCE

[Animal tuberculosis studied especially from the viewpoint of the problems arising in the developing countries] Rafyi A.
Bull Off Int Epizoot 73:296-379, Mar-Apr 70 (Fre)
[Bovine tuberculosis in Peru. Results of a survey of bovine tuberculosis in Peru in the various Departments]
Bull Off Int Epizoot 73:384, Mar-Apr 70 (Fre)
[Results of a tuberculin survey in humans and in animals in a rural area in Senegal] Sarrat H, et al.
Bull Soc Pathol Exot 62:992-1000, Nov-Dec 69 (Fre)
[Survey of bovine tuberculosis by means of tuberculin test in various regions of West Africa (Upper Volta and Ivory Coast): results and general considerations]
Gidel R, et al.
Rev Elev Med Vet Pays Trop 22:337-55, 1969 (Fre)
[Economic effects of the elimination of bovine tuberculosis on the productivity of cattle herds. 2. Effect on meat production] Meisinger G.
Monatsh Vet Med 25:7-13, 1 Jan 70 (Ger)
[Tuberculosis pulmonary] Schlapper K.
Munch Med Wochenschr 113:171-4, 29 Jan 71 (50 ref.) (Ger)

PATHOLOGY

[Presence of early lesions of chronic udder tuberculosis of cattle] Rittenbach P, et al.
Monatsh Vet Med 24:97-9, 1 Feb 69 (Ger)

PREVENTION & CONTROL

Brucellosis, tuberculosis and paratuberculosis eradication programmes in Turkey. Erol C.
Bull Off Int Epizoot 69:2143-9, Nov-Dec 68
The status of the state-federal tuberculosis eradication program. Ranney AF.
Proc US Anim Health Assoc 73:410-22, 1969
[Prophylaxis of bovine tuberculosis in the North. Approach and estimation of the bovine residual reservoir] Hubiart M, et al.
Bull Acad Vet Fr 43:427-36, Dec 70 (Fre)
[Prevention of bovine tuberculosis. Exigencies and difficulties of a definitive prophylaxis] Moine G, et al.
Bull Acad Vet Fr 41:383-8, Nov 68 (Fre)
[Conditions and methods used in Czechoslovakia for the complete eradication of bovine tuberculosis and brucellosis] Kral J.
Bull Off Int Epizoot 69:2161-3, Nov-Dec 68 (Fre)
[The campaign of eradication of bovine tuberculosis in Venezuela] Ruiz Martinez C.
Bull Off Int Epizoot 73:385-99, Mar-Apr 70 (Fre)
[The economic effects of bovine tuberculosis eradication on the productivity of the cattle stocks. 1. Effects on milk production] Meisinger G.
Monatsh Vet Med 24:906-9, 1 Nov 69 (Ger)
[Elimination of bovine tuberculosis--a scientific and organizational contribution of the veterinary profession to the raising of the national income] Meisinger G, et al.
Monatsh Vet Med 25:824-8, 1 Nov 70 (Ger)
[Economic effects of elimination of bovine tuberculosis on the productivity of cattle herds. 3. Effect on reproduction] Meisinger G.
Monatsh Vet Med 25:175-80, 1 Mar 70 (Ger)
[Our experience in the prevention of tuberculosis and brucellosis on farms] Rogovskif SV, et al.
Veterinariia 12:11-2, Dec 70 (Rus)
[Venezuela. Law on plant and animal health protection, Ministry of Agriculture and Husbandry, Office of Cattle husbandry. Caracas, April 1970. Bovine tuberculosis]
Bull Off Int Epizoot 73:405-28, Mar-Apr 70 (Mul)

TUBERCULOSIS, CARDIOVASCULAR (C1, C8)

Childhood tuberculous pericaditis. Somers K, et al.
Chest 60:22-8, Jul 71
Tuberculous pericardial disease. Chia BL, et al.
Med J Malaya 24:267-72, Jun 70
[Long term hemodynamic supervision of tuberculous pericarditis] Waremboug H, et al.
Arch Mal Coeur 64:610, Apr 71 (Fre)
[Tuberculous pericarditis. Symptoms, diagnosis, development, treatment] Tep-Tho.
Rev Corps Sante Armees 10:183-96, Apr 69 (Fre)
[Tuberculosis of the endocardium and myocardium]
Barone L, et al.
Riv Anat Patol Oncol 33:690-716, 1968 (Ita)
[Case report: acute tuberculous pericarditis] Olsson B, et al. Lakartidningen 68:1706-8, 7 Apr 71 (Swe)

COMPLICATIONS

[Gangrene of the 4 limbs and tuberculosis] Corcos A.
Bull Soc Pathol Exot 62:814-9, Sep-Oct 69 (Fre)

DIAGNOSIS

Tuberculosis pericarditis. Finney JO Jr, et al.
South Med J 64:49-57, Jan 71
[Successful diagnosis and surgery in a case of tuberculous aneurysm of the discending thoracic aorta with major symptoms of hemoptysis and tumorous shadow of the thoracic region] Sezaki T, et al. Jap J Clin Med 29:1586-93, 1971 (Jap)

SURGERY

[Successful diagnosis and surgery in a case of tuberculous aneurysm of the discending thoracic aorta with major symptoms of hemoptysis and tumorous shadow of the thoracic region] Sezaki T, et al. Jap J Clin Med 29:1586-93, 1971 (Jap)

TUBERCULOSIS, CUTANEOUS (C1, C12)

[Tuberculous hypodermitis is not a disease of the past]
Bolgert M.
Arch Belg Dermatol Syphiligr 26:179-83, 1970 (Fre)
[Skin lesion due to tuberculous primo-infection in a young infant] Dubois-Crespin J.
Arch Belg Dermatol Syphiligr 26:39-43, Jan-Mar 70 (Fre)
[Tuberculous lupus] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:400-1, 1969 (Fre)
[A further case of palpebral tuberculosis] Ravault P, et al. Bull Soc Ophtalmol Fr 68:515-7, Apr 68 (Fre)
[Cutaneous localization of primary tuberculosis complex] Obadia I.
Bol Inst Pueric Pediatr (Rio de J) 25:87-90, 1968-69 (Por)
[Some histochemical characteristics of the skin in tubercular lupus vulgaris] Khafdarly IN, et al.
Vestn Dermatol Venerol 44:40-3, Oct 70 (Rus)

COMPLICATIONS

Phagedaenic tuberculous ulcers of the upper arm: report of three cases. Olurin EO, et al.
Int J Dermatol 9:283-9, Oct-Dec 70
Pulmonary tuberculosis with noncommunicating chest wll abscess. Kleid JJ, et al.
NY State J Med 70:2993-5, 15 Dec 70
[Case of verrucous tuberculosis of the skin transforming into planocellular epithelioma]
Karpovskaia OG.
Vestn Dermatol Venerol 45:80-1, Feb 71
[Chalazodermia of the axillary pit with tuberculoid infiltration] Rimbaud MP, et al.
Bull Soc Fr Dermatol Syphiligr 76:337-8, 1969 (Fre)
[Mycotic-tubercular double infections in tuberculosis cutis colliquativa] Haufe U, et al.
Dermatol Monatsschr 155:182-7, 1969 (Ger)
[Lupus vulgaris as occupational skin tuberculosis]
Scholz A. Dermatol Monatsschr 156:23-9, 1970 (Ger)
[Primary tuberculous skin complex with sialadenitis]
Toscano F, et al.
G Mal Infett Parassit 22:672-5, Oct 70 (Ita)
[Tubercular diseases of the eye in patients with various forms of pulmonary and extrapulmonary tuberculosis] Vyrenkova TE.
Vestn Oftalmol 5:71-4, 1970 (Rus)

DIAGNOSIS

[A case of multiple cutaneous and osseous granuloma. Eosinophilic granuloma? Tuberculosis with multiple foci?] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 76:215-6, 1969 (Fre)
[Rare case of tuberculosis with primary skin localization in an 8-month-old girl] Santoni N, et al.
Minerva Pediatr 22:2480-4, 15 Dec 70 (Ita)
[Late genital primary tuberculosis] Esposito C.
Rass Int Clin Ter 51:170-4, 15 Feb 71 (Ita)

DRUG THERAPY

[Experimental and clinical experiences with isonicotinoylhydrazone-d-glucuronic-acid-lactone (Glukonazid)] Meyer-Rohn J, et al.
Hautarzt 22:105-10, Mar 71 (Ger)
[Sialic acid in assessing the effectivness of therapy of scrofuloderma and lupus tuberculosus] Guseĭn-zade GA. Vestn Dermatol Venerol 44:32-5, Jul 70 (Rus)
[Effect of antitubercular preparations on the activity of serum enzymes and the level of 5-oxyindoleacetic acid in the urine in patients with cutaneous tuberculosis] Veĭnerov IB, et al.
Vestn Dermatol Venerol 44:22-5, Jun 70 (Rus)

ETIOLOGY

[Two cases of hematogenously disseminated subcutaneous tuberculous abscesses] Fujino T, et al.
Kekkaku 45:333-7, Oct 70 (Jap)
[Complications of epithelial coccygeal sinuses and cysts] Derevianko IM, et al.
Vestn Khir 105:87-9, Aug 70 (Rus)

IMMUNOLOGY

[H3-thymidine labelled in vitro lymphocyte transformation in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon M, et al.
Orv Hetil 111:2403-7, 11 Oct 70 (Hun)
[On the immunogenic activity at the level of the lymph nodes during BCG infection in guinea pigs] Lenzini L, et al. Boll Soc Ital Biol Sper 45:687-90, 31 May 69 (Ita)
[Utilization of the blast-transformation reaction of lymphocytes in detecting delayed allergy in patients with tuberculosis] Kogosova LS, et al.
Probl Tuberk 48:75-8, 1970 (Rus)

OCCURRENCE

[Characteristics of cutaneous tuberculosis in the Andizhan region] Tadzhibaev TT.
Sov Med 34:139-42, Jan 71 (Rus)

PHYSIOPATHOLOGY

[Changes in oxygen pressure in hypodermis in Baxin's erythema induratum during oxygen inhalation]
Veĭnerov IV, et al.
Fiziol Zh 16:369-73, May-Jun 70 (Ukr)

TUBERCULOSIS, ENDOCRINE (C1, C7)

[A case of thyroid gland tuberculosis] Peumery JJ.
Rev Tuberc Pneumol (Paris) 34:1120-4, Dec 70 (Fre)
[Experimental tuberculosis of the adrenals in dogs]
Prostov IK. Biull Eksp Biol Med 68:43-5, Aug 69 (Rus)

COMPLICATIONS

[Cases of Addison's disease in the authors department with regard to the idiopathic form] Balos D, et al.
Med Pregl 23:153-5, 1970 (Ser)

DIAGNOSIS

[Thyroiditis. Anatomo-clinical and therapeutic aspects] Zambianchi C, et al.
Ann Ital Chir 45:695-719, 1969 (Ita)

PATHOLOGY

[Fibrous tuberculosis of the thyroid gland] Bolis GB.
Lav Ist Anat Istol Patol Perugia 30:129-36, 1970 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TUBERCULOSIS, FEMALE GENITAL (C1, C6)

Tuberculosis of the female genital tract. Schaefer G. Clin Obstet Gynecol 13:965-96, Dec 70 (36 ref.)
The pattern of female genital tuberculosis in Ibadan. Ojo OA, et al. Isr J Med Sci 7:280-7, Feb 71
[Genital tuberculosis in aged women. I] Guyomar J, et al. Gynecol Prat 21:489-98, 1970 (Fre)
[Tuberculosis of the uterine cervix (a case)] Guyomar J, et al. Gynecol Prat 21:313-29, 1970 (Fre)
[Genital tuberculosis in aged women] Guyomar J, et al. Gynecol Prat 22:87-100 concl, 1971 (Fre)
[Genital tuberculosis in women] Kaskarelis DB, et al. Gynecol Prat 19:223-8, 1968 (Fre)
[Does urogenital tuberculosis exist in women?] Wemeau L, et al. Rein Foie 13:9-50, 1970 (Fre)
[Do the classical forms of female genital tuberculosis still exist?] Gellé P, et al. Rev Fr Gynecol Obstet 64:271-8, May 69 (Fre)
[A few new aspects of female genital tuberculosis] Kardos F. Zentralbl Gynaekol 92:933-9, 18 Jul 70 (Ger)
[Exacerbation of tuberculosis post partum] Prenziau P, et al. Zentralbl Gynaekol 92:481-5, 18 Apr 70 (Ger)
[Clinical considerations on a case of tuberculosis of the portio] Ardillo L, et al. Minerva Ginecol 22:474-6, 15 May 70 (Ita)
[Pelvic tuberculous serositis] Mondo F, et al. Minerva Ginecol 21:1478-82, 15 Nov 69 (Ita)
[Tubercular endometritis. (Clinico-statistical study)] Seassaro E. Quad Clin Ostet Ginecol 24:303-15, Apr 69 (Ita)

COMPLICATIONS

A case of primary amenorrhea caused by tuberculous endometritis. Anuman-rajadhon Y. J Med Assoc Thai 53:142-7, Feb 70
[Endometrial tuberculosis: 2 cases in the form of postmenopause metrorrhagia] Cognan M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:439-42, Sep-Oct 69 (Fre)
[Tuberculous pyosalpinx fistulization in the recum] Wahl P. Bull Fed Soc Gynecol Obstet Lang Fr 21:476-7, Sep-Oct 69 (Fre)
[Primary amenorrhea due to uterine synechia of tuberculous origin] Morin JP, et al. Rev Fr Gynecol Obstet 64:539-49, Oct 69 (Fre)
[Uterine cervix cancer coexisting with endometrial tuberculosis] Buiska M, et al. Ginekol Pol 41:1135-8, Oct 70 (Pol)
[Tuberculosis of the genitalia and tumors of the female sex organs] Gordeeva NK. Akush Ginekol (Mosk) 46:16-7, Oct 70 (Rus)
[A cominbation of tuberculosis of the breast and of the female genital organs] Davidenko AA, et al. Probl Tuberk 49:45-8, 1971 (Rus)
[Premenstrual syndrome in patients with heart diseases and genital tuberculosis] Kuznetsova MN, et al. Sov Med 33:127-31, Jul 70 (Rus)

DIAGNOSIS

[Diagnostic possibilities in genital tuberculosis] Ivanova Kh, et al. Akush Ginekol (Sofiia) 9:235-43, 1970 (Bul)
[Results of a systematic search for mycobacteria in the menstrual blood of tuberculous patients] Viallier J, et al. Rev Tuberc Pneumol (Paris) 34:1006-12, Nov 70 (Fre)
[Late genital primary tuberculosis] Esposito C. Rass Int Clin Ter 51:170-4, 15 Feb 71 (Ita)
[Value of the study of the menstrual flux in the diagnosing of genital tuberculosis] Bartoszewski A, et al. Pol Tyg Lek 26:300-2, 1 Mar 71 (Pol)
[Criteria of activity of female genital tuberculosis] Kolachevskaia EN. Akush Ginekol (Mosk) 46:17-21, Oct 70 (Rus)
[Laparoscopy in the diagnosis of tuberculosis] Amiantova-Filippova IS, et al. Probl Tuberk 49:35-9, 1971 (Rus)
[Indirect hemagglutination reaction in the diagnosis of tuberculosis of the female genitalia] Kuzavova NI. Probl Tuberk 48:83-4, 1970 (Rus)
[Immunologic method of diagnosis in female genital tuberculosis] Timchenko BS. Pediatr Akush Ginekol 1:53-5, Jan-Feb 71 (Ukr)

ETIOLOGY

[Pathogenesis of genital tuberculosis in women] Borima TV. Akush Ginekol (Mosk) 46:55-8, Feb 70 (Rus)

IMMUNOLOGY

[Clinico-immunological study of inflammatory diseases of female genitalia of nonspecific and tuberculous origin] Fedun ZV. Pediatr Akush Ginekol 1:50-3, Jan-Feb 71 (Ukr)

MICROBIOLOGY

[Genital mycobacteriosis and variability of mycobacteria] Grebus C, et al. Pneumonologie 142:312-7, 1970 (Fre)

PATHOLOGY

[Observations on the tubercular endometrium by means of fluorescence microscopy] Paladini A, et al. Riv Anat Patol Oncol 33:193-200, 1968 (Ita)

RADIOGRAPHY

[Tuberculosis of the uterine tubes. Hysterosalpingographic patterns] Boustany FN. J Med Liban 23:329-44, 1970
[Value of radiography without preparation before hysterography: genital tubercular calcifications] Gros C, et al. J Radiol Electrol Med Nucl 49:862-3, Nov 68 (Fre)

SURGERY

[Plastic tubal operations and genital tuberculosis in women] Poradovsky K, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:341-3, 1968 (Fre)

THERAPY

[Therapy of internal extrapulmonary tuberculosis] Gabler A. Med Klin 66:73-7, 15 Jan 71 (Ger)

TUBERCULOSIS, GASTROINTESTINAL (C1, C4)

[Gastroduodenal tuberculosis in North African patients] Wurtz A, et al. Lille Med 16:449-52, Mar 71 (Fre)
[Current status of intestinal tuberculosis. Apropos of 19 cases] Lisle LR de, et al. Sem Hop Paris 47:456-61, 8 Feb 71 (Fre)
[On a case of gastric tuberculosis] Purice G, et al. Rev Med Chir Soc Med Nat Iasi 75:491-4, Apr-Jun 71 (Rum)

COMPLICATIONS

A case of perforation of tuberculous enteritis. Commeraswamy R, et al. Am Rev Resp Dis 104:114-8, Jul 71
Systemic lupus erythematosus with abdominal tuberculosis. Chatterjee M. Bull Calcutta Sch Trop Med 18:23-4, Jan 70
Colonic tuberculosis with carcinoma. Barson AJ, et al. J Pathol 101:289-92, Jul 70
[Stenosing intestinal tuberculosis] Bremer A, et al. Acta Gastroenterol Belg 33:70-80, Jan 70 (Fre)
[Intestinal obstruction caused by ileocecal tuberculosis] Romero LM, et al. Prensa Med Argent 57:399-402, 24 Apr 70 (Spa)

DIAGNOSIS

Segmental tuberculosis of the colon (a report of ten cases). Chawla S, et al. Clin Radiol 22:104-9, Jan 71
Tuberculosis of gastroin-intestinal tract: with special reference to rectal tuberculosis. Gupta OP, et al. Indian J Med Res 58:979-84, Aug 70
Tubercular cholecystitis presenting as subacute intestinal obstruction. Srivastava RD, et al. Int Surg 54:375-8, Nov 70
Intestinal tuberculosis mimicking carcinoma of the colon. Couropmitree C, et al. J Fla Med Assoc 57:18-20, Dec 70
[Gastroduodenal tuberculosis] Leng-Lévy J, et al. Bord Med 4:1033-52, Apr 71 (Fre)
[Isolated tuberculosis of the stomach] Schwarzer R, et al. Zentralbl Chir 96:581-3, 24 Apr 71 (Ger)
[A case of tuberculosis of the stomach] Agata A, et al. Arch Jap Chir 36:382-6, 1 May 67 (Jap)
[Laparoscopy in the diagnosis of tuberculosis] Amiantova-Filippova IS, et al. Probl Tuberk 49:35-9, 1971 (Rus)
[Tuberculosis of the colon (2 cases simulating cancer of the colon)] Belgerden S, et al. Tip Fak Mecm 32:514-21, 1969 (Tur)

ETIOLOGY

[Infantile tuberculosis of bovine origin and its evolution in the past 10 years in France] Grislain JR, et al. Pediatrie 23:747-52, Oct-Nov 68 (Fre)

IMMUNOLOGY

[Changes in various blood group antigens. New case of acquired B. antigen] Baumes RM, et al. Maroc Med 538:519-23, Aug-Sep 70 (Fre)

OCCURRENCE

[Cases of extrapulmonary tuberculosis and epidemiological problems of tuberculosis among the Bedouins of Northern Sinai and Arabs of the Gaza strip] Harefuah 78:620-2, 15 Jun 70 (Heb)

PATHOLOGY

[Manifestation of intestinal tuberculosis and regional enterocolitis. A histological and differential diagnostic problem] Krauspe C. Lebensversicherungsmedizin 22:105-12, Sep 70 (Ger)
[Case of gastric localization of tuberculosis] Telleschi S, et al. Arch De Vecchi Anat Patol 55:439-57, Oct 69 (Ita)

RADIOGRAPHY

Gastric tuberculosis. Report of a case with discussion of angiographic findings. Pinto RS, et al. Am J Roentgenol Radium Ther Nucl Med 110:808-12, Dec 70
Arteriographic manifestations of tuberculosis of the splenic flexure and the stomach. Kinkhabwala M, et al. Br J Radiol 44:384-7, May 71
[Radiological examination of cases of tuberculosis of the ileocecal region] Kulicz A. Pol Przegl Radiol 34:695-700, Sep-Oct 70 (Pol)

SURGERY

[Surgical therapy of intestinal TBC] Teofili MT. Ann Med Nav (Roma) 74:581-96, Sep-Oct 69 (Ita)

THERAPY

[The treatment of anorectal paraproctitis of tuberculous etiology] Iakovlev NA. Vestn Khir 106:52-3, Apr 71 (Rus)

TUBERCULOSIS, HEPATIC (C1, C4)

CONGENITAL

Congenital tuberculosis. Koutsoulieris E, et al. Arch Dis Child 45:584-6, Aug 70

DIAGNOSIS

Tuberculoma of the liver in a child. Daynes G. S Afr Med J 45:48, 9 Jan 71
[Clinically primary nodular tuberculosis of the liver] De Rosa F, et al. Omnia Med Ther 47:707-18, Jul-Sep 69 (Ita)
[Acute, febril, icterogenic hepatitis of uncommon etiology] Macedo AG de, et al. Hospital (Rio de J) 76:1125-36, Sep 69 (Por)

DRUG THERAPY

[On a case of hepatic tuberculosis treated with rifampicine] Cachin M, et al. Sem Hop Paris 47:1986-9, 26 Jun 71 (Fre)

TUBERCULOSIS IN CHILDHOOD (C1)

Multiple bone tuberculosis in the young. Cremin BJ, et al. Br J Radiol 43:638-45, Sep 70
Childhood tuberculous pericarditis. Somers K, et al. Chest 60:22-8, Jul 71
[Tuberculosis in children again] Strandgaard E. Nord Med 85:58, 14 Jan 71 (Dan)
[Current aspects of osteoarticular tuberculosis in children] Dubois M. Ann Pediatr (Paris) 17:649-55, 2 Oct 70 (Fre)
[Stomatologic manifestations of initial tuberculosis] Carlier G, et al. Lille Med 16:313-6, Feb 71 (Fre)
[Infantile tuberculosis: current aspects] Gaudier B, et al. Lille Med 16:137-45, Jan 71 (Fre)
[Current problems in primary tuberculosis of children] Gerbeaux J. Presse Med 79:381-2, 20 Feb 71 (Fre)
[Present state of primary tuberculosis in children] Gilly R, et al. Rev Lyon Med 19:Suppl:71-6, 1970 (Fre)
[Problems of aspecific pathogenesis in tubercular manifestations of adolescence] Babolini G, et al. Minerva Pediatr 22:2121-34, 27 Oct 70 (Ita)
[The clinical picture, course and treatment of focal pulmonary tuberculosis in adolescents under current conditions] Ganiev KG. Probl Tuberk 48:5-8, 1970 (Rus)
[Clinico-immunological studies of children at remote periods after treatment for tuberculosis] Lebedeva TG, et al. Probl Tuberk 48:49-53, 1970 (Rus)
[Results of preventive chemotherapy of children in a sanatorium-type children's institution (nursery-kindergarten)] Prosvirnova VN. Probl Tuberk 48:4-7, 1970 (Rus)
[Late results of surgical intervention in tuberculosis of the middle ear] Dadamukhamedov A. Vestn Otorinolaringol 33:42-6, Jan-Feb 71 (Rus)
[Calcinosis of regional lymph nodes after BCG vaccination. I] Udovč V, et al. Plucne Bolesti Tuberk 23:241-53, Jul-Sep 70 (Cro)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

[Properdin level and complement activity of blood serum in children with tuberculosis receiving antibacterial therapy] Kostromina VP. Probl Tuberk 48:47-9, 1970 (Rus)

COMPLICATIONS

[The spread of mumps infection in a child community: clinical, epidemiologic and immunological aspects] Celers J, et al. Ann Pediatr (Paris) 18:286-96, 2 Apr 71 (Fre)

[On a case of tracheal polyp as a reaction to tubercular adenopathy] Perroni L, et al. Pediatria (Napoli) 77:459-89, 1969 (Ita)

DIAGNOSIS

Urogenital tuberculosis in children. Ehrlich RM, et al. J Urol 105:461-5, Mar 71

Tuberculin skin testing of Omaha-Douglas County school children. McIntire MS, et al. Nebr State Med J 55:667-70, Nov 70

[Value of tuberculin tests in the detection of the primary infection] Fillastre C. Ann Pediatr (Paris) 17:644-8, 2 Oct 70 (Fre)

[Intradermal reaction with Petragnani anatuberculin and with PPD in childhood] Crua G, et al. Minerva Pediatr 21:561-5, 7 Apr 69 (Ita)

[Rare case of tuberculosis with primary skin localization in an 8-month-old girl] Santoni N, et al. Minerva Pediatr 22:2480-4, 15 Dec 70 (Ita)

[A case of extremely acute lymphosarcoma and pseudomiliary pulmonary picture] Roscioli B, et al. Pathologica 61:267-72, Sep-Oct 69 (Ita)

[Radiographic picture of the thymus and its differentiation from primary tuberculosis. II. Picture of the thymus in pneumomedinastography] Rudnik I. Gruzlica 38:1067-75, Oct 70 (Pol)

[Radiographic picture of the thymus and its differentiation from primary tuberculosis. I. Anatomy of the thymus and methods of examination] Rudnik I. Gruzlica 38:1061-6, Oct 70 (Pol)

[Radiographic picture of the thymus and its differentiation from primary tuberculosis. 3. Radiographic picture of the thymus at various projections and the incidence of its visualization in children] Rudnik I. Gruzlica 38:1077-88, Oct 70 (Pol)

[Differential diagnosis of tuberculosis and other lung diseases in children and adolescents] Belova LG, et al. Probl Tuberk 48:17-21, 1970 (Rus)

[Biochemical criteria of tuberculosis activity in children] Ioffe RA. Probl Tuberk 48:30-3, 1970 (Rus)

[Study of the possibility of using a unified tuberculin test during mass examination of children and adolescents for tuberculosis] Mitinskaia LA, et al. Probl Tuberk 48:1-4, 1970 (Rus)

[Tuberculin diagnosis in the early stage of tuberculosis in children of the 1st 3 years of age] Berezhanskaia TS, et al. Pediatr Akush Ginekol 6:22-3, 1970 (Ukr)

[Negative tuberculin test in the course of active tuberculosis in children] Suvajdžić S, et al. Placne Bolesti Tuberk 22:385-91, Oct-Dec 70 (Cro)

DRUG THERAPY

Ethambutol in unresponsive childhood tuberculosis. Mankodi NA, et al. Indian Pediatr 7:202-11, Apr 70

Ethambutol in primary childhood tuberculosis. Patwardhan P, et al. Indian Pediatr 7:194-201, Apr 70

[Tuberculosis in infancy] Doležalová K, et al. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:187+, 1970 (Cze)

[Recent drugs in the treatment of primary tuberculosis] Gerbeaux J, et al. Rev Tuberc Pneumol (Paris) 35:315-25, Apr-May 71 (Fre)

[Current drugs in the treatment of primary tuberculosis] Gerbeaux J, et al. Therapeutique 47:573-8, Jun-Jul 71 (Fre)

[Drug therapy of tuberculosis in the child] Freerksen E. Monatsschr Kinderheilkd 117:513-8, Aug 69 (130 ref.) (Ger)

[Corticosteroids in therapy of childhood tuberculosis] Ragazzini F. Minerva Pediatr 21:2082-3, 3 Nov 69 (Ita)

[Use of single daily doses of tuberculostatic preparations in extra-pulmonary tuberculosis in children] Subbotskif ASh, et al. Probl Tuberk 48:64-5, 1970 (Rus)

[Ethambutol in infantile tuberculosis] Ross G, et al. Rev Chil Pediatr 41:194-201, Mar 70 (Spa)

[Treatment of childhood tuberculosis] Rev Chil Pediatr 41:1063-4, Nov-Dec 70 (Spa)

HISTORY

[The development of Soviet phthisiopediatrics] Mitinskaia LA. Probl Tuberk 48:79-82, 1970 (Rus)

IMMUNOLOGY

[Tuberculin allergy and behavior of leukocytes in tuberculin-positive children vaccinated against rubella] Businco L, et al. Minerva Pediatr 23:371-4, 3 Mar 71 (Ita)

[Cytological changes in the peripheral lymph nodes in children in contact with active cases of tuberculosis] Timasheva ED, et al. Lab Delo 10:605-9, 1970 (Rus)

METABOLISM

[Status of thiamine metabolism in children with tubercular meningitis] Makhamatov KM, et al. Probl Tuberk 48:53-5, 1970 (Rus)

MICROBIOLOGY

[Infantile tuberculosis of bovine origin and its evolution in the past 10 years in France] Grislain JR, et al. Pediatrie 23:747-52, Oct-Nov 68 (Fre)

[Studies on thiacetazone resistance of tubercle bacilli. I. Thiacetazone sensitivity of tubercle bacilli isolated from previously untreated tuberculous children] Osato T, et al. Kekkaku 46:65-70, May 71 (Jap)

[Studies on thiacetazone resistance of tubercle bacilli. II. The relation between virulence in guinea-pigs and thiacetazone sensitivity of tubercle bacilli isolated from previously untreated tuberculous children] Osato T, et al. Kekkaku 46:83-7, Apr 71 (Jap)

OCCURRENCE

Tuberculin skin testing of children as an effective tool in tuberculosis casefinding. Curry FJ. Chest 59:590, Jun 71

Tuberculosis casefinding by tuberculin testing among various age children with a discussion of some theoretical problems. Furcolow ML, et al. Chest 59:618-28, Jun 71

[Outline of epidemiology of tuberculosis in children] Horwitz O. Nord Med 85:58, 14 Jan 71 (Dan)

[Current state of primary tuberculosis in children in Rhone department] Gilly R, et al. Ann Pediatr (Paris) 17:693-7, 2 Oct 70 (Fre)

[Epidemiology of infantile tuberculosis in the Provence region] Giraud P. Ann Pediatr (Paris) 17:636, 2 Oct 70 (Fre)

[Infantile tuberculosis in rural areas] Lavedrine J. Ann Pediatr (Paris) 17:631-5, 2 Oct 70 (Fre)

[Reduction of incidence of tuberculous primary infections as a function of the use of BCG vaccine. Hospital survey] Monnet P, et al. Ann Pediatr (Paris) 17:670-1, 2 Oct 70 (Fre)

[Primary infection of children of immigrant workers] Straus P, et al. Ann Pediatr (Paris) 17:624-30, 2 Oct 70 (Fre)

[Problem of tuberculous superinfections in school populations vaccinated by B.C.G] Cheminat JC, et al. Rev Tuberc Pneumol (Paris) 35:326-32, Apr-May 71 (Fre)

[Renal tuberculosis in childhood and adolescence] Suda J. Prax Pneumol 24:711-27, Nov 70 (Ger)

[Pathological variations in primary tuberculosis] Halász S. Orv Hetil 112:736-7, 28 Mar 71 (Hun)

[Tubercular morbidity from 0 to 9 years of age in the province of Bologna in the decade 1960-1969 and preventive vaccinations with SDV] Chieco A. Clin Pediatr (Bologna) 52:285-7, Jun 70 (Ita)

[Aspects of pulmonary tuberculosis at puberty (age 11-14)] Bugilă-Corăbianu E, et al. Pediatria (Bucur) 20:53-60, Jan-Feb 71 (Rum)

[Problems of tuberculosis in children] Lupaşcu I. Pediatria (Bucur) 19:545-53, Nov-Dec 70 (Rum)

[Current characteristics of infection and development of tuberculosis in children] Mitinskaia LA, et al. Probl Tuberk 49:6-10, 1971 (Rus)

PATHOLOGY

[State of the bronchi in children and adolescents with hematogenous disseminated tuberculosis of the lungs] Pugachev VS, et al. Probl Tuberk 48:27-9, 1970 (Rus)

[Changes in the peripheral lymph nodes in children and adolescents from bacillary contacts (clinico-morphological data)] Trigub NI, et al. Probl Tuberk 48:22-7, 1970 (Rus)

PHYSIOPATHOLOGY

[Use of sulfobromphthalein to study liver function in children and adolescents with pulmonary tuberculosis] Vilenskaia RN, et al. Probl Tuberk 48:53-7, 1970 (Rus)

PREVENTION & CONTROL

Comments on logistics of chemoprophylaxis of tuberculosis. Edwards PQ. Chest 59:589, Jun 71

Logistics of chemoprophylaxis of tuberculosis. Katz J, et al. Chest 59:600-5, Jun 71

Logistics of chemoprophylaxis of tuberculosis. Tizes R. Chest 59:697-8, Jun 71

Tuberculosis in children vaccinated with B.C.G. Narmada R, et al. Indian Pediatr 7:488-91, Sep 70

A comparative study of Thai liquid and freeze-dried BCG vaccine with Japanese freeze-dried BCG vaccine. Sunakorn B, et al. J Med Assoc Thai 53:836-42, Dec 70

The school tuberculosis surveys. Dehné EJ. J Med Soc NJ 68:492-3, Jun 71

Turning-point and achievements in infantile tuberculosis control during the 25-year period of Polish People's Republic. Zapaśnik-Kobierska MH, et al. Pol Med J 10:65-77, 1971

[BCG vaccination and prophylaxis of tuberculosis in children] Wasz-Höckert O. Duodecim 86:1233-7, 1970 (Fin)

[Respective roles of chemoprophylaxis and BCG in the prevention of infantile tuberculosis] Mande R. Ann Pediatr (Paris) 17:660-9, 2 Oct 70 (Fre)

[Chemoprophylaxis of tuberculous infection in pre-allergic state] Meyer B, et al. Ann Pediatr (Paris) 17:672-3, 2 Oct 70 (Fre)

[BCG vaccination before school age] Gervois M, et al. Lille Med 16:475-7, Mar 71 (Fre)

[How much longer should the newborn vaccination be continued?] Junker E. Z Erkr Atmungsorgane 133:123-8, Dec 70 (Ger)

[Value of Savioli's diffusing vaccine during 20 years of use and comparative tests at the Istituto Provinciale Infanzia e Maternita in Bologna] Grandi F. Clin Pediatr (Bologna) 52:332-5, Aug 70 (Ita)

[Prophylactic Savioli's diffusing vaccine in Trieste] Rocco L. Clin Pediatr (Bologna) 52:329-31, Aug 70 (Ita)

[3 years of prophylactic vaccination with Savioli's diffusing vaccine in the community hospital of Soave in Verona] Visentin G. Clin Pediatr (Bologna) 52:353-6, Aug 70 (Ita)

[Hospitalization of multiparous mothers with active tuberculosis] Bauer RG. Probl Tuberk 48:12-4, 1970 (Rus)

[Tuberculin allergy in young children following intradermal BCG vaccination] Krushevskaia GM, et al. Probl Tuberk 49:10-3, 1971 (Rus)

[Prevention of tuberculosis among children born into families infected with tuberculosis] Lebedeva LV, et al. Probl Tuberk 48:1-5, 1970 (Rus)

[Preventive measures contributing to reduction of tuberculosis incidence in children] Protsenko KA, et al. Probl Tuberk 48:16-7, 1970 (Rus)

[Characteristics of tuberculin sensitivity in school children] Shpukas GK. Probl Tuberk 49:15-7, 1971 (Rus)

SURGERY

[Relapses and recurrences in respiratory tuberculosis in children treated by resection of the lung tissue] Majewska-Zalewska H. Gruzlica 39:111-7, Feb 71 (Pol)

THERAPY

[Recall of some original truths abouth the treatment of primary tuberculous infection in children] Fournier A, et al. J Sci Med Lille 87:223-7, Mar 69 (Fre)

[Coxalgia in the child treated with mobility preservation. Long-term evolution of 44 cases] Morel G, et al. Rev Chir Orthop 57:109-30, Mar 71 (Fre)

[The importance of organization and methods of treatment of pulmonary tuberculosis in children and adolescents in order to prevent chronic forms] Starozhinskaia TA, et al. Probl Tuberk 49:7-10, 1971 (Rus)

[Miliary tuberculosis in an infant] Sljapić Z. Med Pregl 24:35-8, 1971 (Ser)

TUBERCULOSIS, LARYNGEAL (C1, C5)

[A clinical case of pharyngo-laryngeal tuberculosis without lung involvement] Cajsfinger H, et al. J Fr Otorhinolaryngol 19:664-5, Oct 70 (Fre)

COMPLICATIONS

[Otolaryngologic tuberculosis associated with pulmonary tuberculosis: current occurrence] Coury C, et al. Rev Tuberc Pneumol (Paris) 34:192-200, 1970 (Fre)

[Laryngeal tuberculosis in the course of modern treatment of pulmonary tuberculosis] Mikulska W. Otolaryngol Pol 24:687-91, 1970 (Pol)

[A case of pancytopenia in the course of tuberculosis] Machura B, et al. Wiad Lek 23:2001-3, 15 Nov 70 (Pol)

DIAGNOSIS

Laryngeal tuberculosis. Maran AG, et al. Br Med J 2:775, 26 Jun 71

[Pseudotumoral tuberculosis in otorhinolaryngology] Ameli M, et al. Arch Ital Otol Suppl 54:1+, 1970 (Ita)

DRUG THERAPY

[Results of antituberculous treatment of laryngeal tuberculosis with reference to substitute drugs] Stanek S. Otolaryngol Pol 24:681-6, 1970 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

TUBERCULOSIS, LYMPH NODE (C1, C9)

Tuberculosis of the cervical lymph nodes: clinical studies of children in East Africa. Bwibo NO. Clin Pediatr (Phila) 9:733-5, Dec 70

Scrofula: an example of lymph node adenitis: report of case. Glogoff MR, et al. J Oral Surg 29:433-5, Jun 71

[Calcinosis of regional lymph nodes after BCG vaccination. I] Udovč V, et al.
Plucne Bolesti Tuberk 22:241-53, Jul-Sep 70 (Cro)

[Calcinosis of regional lymph nodes after BCG vaccination. II] Udovč V, et al.
Plucne Bolesti Tuberk 22:374-84, Oct-Dec 70 (Cro)

COMPLICATIONS

The coexistence of carcinoma and tuberculosis of the breast and axillary lymph nodes. Miller RE, et al. Am J Surg 121:338-40, Mar 71

Mpilo Hospital Round. Euthyroidism, exophthalmos, acropachy and pretibial myxoedema. Thomas JE. Cent Afr J Med 17:23-4, Jan 71

Atypical cases of tubercular lymphadenitis. Hiranandani LH, et al.
J Laryngol Otol 84:1153-6, Nov 70

Aortitis in early life in India and its association with tuberculosis. Kinare SG. J Pathol 100:69-76, Jan 70

Secondary lymphoedema. Abramowitz I.
S Afr J Surg 8:57-9, 1970

[Tuberculous lymph node compression of the hepatic pedicle] Francillon J, et al.
Ann Gastroenterol Hepatol (Paris) 6:27-33, Jan-Feb 70 (Fre)

[Case of Mediterranean abdominal lymphoma with alpha heavy chain disease and associated mesenteric lymph node tuberculosis] Laroche C, et al.
Ann Med Interne (Paris) 120:637-9, Oct 69 (Fre)

[Cervicothoracic diverticula of the esophagus] Piaget F, et al.
Ann Otolaryngol Chir Cervicofac 87:700-4, Oct-Nov 70 (Fre)

[Tuberculous recurrent nerve paralysis] Calvet J, et al.
J Fr Otorhinolaryngol 20:23-4, Jan 71 (Fre)

[Stomatologic manifestations of initial tuberculosis] Carlier G, et al. Lille Med 16:313-6, Feb 71 (Fre)

[20 cases of parabronchial esophageal diverticula detected in 2000 children with lymph node and bronchial tuberculosis] Dieu JC, et al.
Rev Tuberc Pneumol (Paris) 35:103-9, Jan-Feb 71 (Fre)

[Tuberculosis and Hodgkin's disease] Leménager J, et al.
Rev Tuberc Pneumol (Paris) 35:299-312, Apr-May 71 (Fre)

[Tuberculosis of deep hematopoietic organs and its hematologic manifestations. Apropos of 6 personal cases] Debray J, et al.
Sem Hop Paris 47:1828-43, 14 Jun 71 (Fre)

[Mycotic-tubercular double infections in tuberculosis cutis colliquativa] Haufe U, et al.
Dermatol Monatsschr 155:182-7, 1969 (Ger)

[A reactive generalized tuberculosis associated with multiple echinococcosis. (Description of a case)] Lucchesi M, et al.
Ann Ist Carlo Forlanini 29:67-81, 1969 (Ita)

[On a case of tracheal polyp as a reaction to tubercular adenopathy] Perroni L, et al.
Pediatria (Napoli) 77:459-69, 1969 (Ita)

[Case of pulmonary form of systemic lupus erythematosus in the course of tuberculous adenopathy] Zwoliński J. Gruzlica 39:241-6, 1971 (Pol)

[A case of pancytopenia in the course of tuberculosis] Machura B, et al. Wiad Lek 23:2001-3, 15 Nov 70 (Pol)

[Chronic non-specific bronchopulmonary diseases in tuberculosis patients and their treatment at health resorts] Lebedeva TG, et al.
Probl Tuberk 49:23-6, 1971 (Rus)

[Combination of duodenal bulb ulcer and tubercular mesadenitis] Antonovich VB, et al.
Vestn Rentgenol Radiol 45:83-5, Nov-Dec 70 (Rus)

DIAGNOSIS

The imprint method for the cytodiagnosis of lymphadenopathies and of tumors of the head and neck. Aust R, et al.
Acta Cytol (Baltimore) 15:123-7, Mar-Apr 71

[A case of cervical lymph node tuberculosis] Petersen JK, et al. Tandlaegebladet 75:471-9, Jun 71 (Dan)

[Pharyngeal cavum tuberculosis with bilateral cervical adenopathy simulating cancer] Sitbon J.
J Fr Otorhinolaryngol 18:805-6, Dec 69 (Fre)

[What is the procedure to follow in the diagnosis of tuberculous adenitis in adults?] Mikhaĭlov FA.
Klin Med (Mosk) 48:77-81, Aug 70 (Rus)

[Laparoscopy in the diagnosis of tuberculosis] Amiantova-Filippova IS, et al.
Probl Tuberk 49:35-9, 1971 (Rus)

[A dermoid cyst erroneously diagnosed as tuberculous mesoadenitis] Atanov VV, et al.
Probl Tuberk 49:68-9, 1971 (Rus)

[Clinical value of determining the level of peroxidase and glycogen in neutrophils in pulmonary and tracheobronchial lymph node tuberculosis] Tsigel'nik AIa, et al. Sov Med 33:34-9, Dec 70 (Rus)

DRUG THERAPY

[Rifampicin in treatment of gangliopulmonary forms of initial tuberculosis in young infants and children] Dieu JC, et al.
Rev Tuberc Pneumol (Paris) 34:320-31, Mar 70 (Fre)

[Possibilities of regression, with conservative treatment, of tuberculous adenobronchial syndromes] Catena E, et al.
Arch Monaldi 25:339-46, Sep-Oct 70 (Ita)

[Use of local corticosteroid therapy in peripheral tuberculous lymphadenitis] Nasso S, et al.
Minerva Pediatr 21:2067, 3 Nov 69 (Ita)

ENZYMOLOGY

[Glutaminase activity and intensity of glutamine metabolism in the lungs and lymph nodes in tuberculosis] Dudchik GKh.
Probl Tuberk 48:54-8, 1970 (Rus)

[Cytochemical study of the blood neutrophil peroxidases in tuberculosis of the lungs and tracheobronchial lymph nodes] Godes IuE.
Probl Tuberk 49:32-7, 1971 (Rus)

ETIOLOGY

Peripheral tuberculous lymphadenitis. Kechavarz-Oliai L, et al. Am J Dis Child 122:74-5, Jul 71

Caseation of lymph nodes in infants after intracutaneous BCG vaccination with original French vaccine. Zapaśnik-Kobierska MH, et al.
Pol Med J 10:85-91, 1971

[Spinous cell epithelioma with tuberculoid, followed by neoplastic adenopathy] Degos R, et al.
Ann Dermatol Syphiligr (Paris) 98:21-31, 1971 (Fre)

[Infantile tuberculosis of bovine origin and its evolution in the past 10 years in France] Grislain JR, et al. Pediatrie 23:747-52, Oct-Nov 68 (Fre)

[Polyadenopathy caused by Mycobacterium fortuitum and BCG] Lewit T, et al.
Harefuah 79:264-6, 15 Sep 70 (Heb)

[The role of the tonsils in the development of tuberculosis of the cervical lymph nodes] Novruzov MA. Probl Tuberk 49:83-6, 1971 (Rus)

HISTORY

[Historical comments on the etiopathogenesi of scrofula in the middle of the 19th century] Scarano GB. Riv Stor Med 13:210-3, Jul-Dec 69 (Ita)

IMMUNOLOGY

[On the immunogenic activity at the level of the lymph nodes during BCG infection in guinea pigs] Lenzini L, et al. Boll Soc Ital Biol Sper 45:687-90, 31 May 69 (Ita)

[Results of intradermal inoculation with avium, battey, kansasii, scrofulaceum and P.P.D. sensitins in 3 groups of children: those in preventoria, those vaccinated with BCG and those with hilar adenopathy] Borselli L, et al.
Riv Clin Pediatr 81:588-96, Jul-Aug 68 (Ita)

MICROBIOLOGY

[Lymph node tuberculosis caused by Mycobacterium of the avian-Battey group (preliminary note on a case)] Vieira Teixeira LC, et al.
Rev Bras Med 27:537-8, Nov 70 (Por)

[The clinical picture and morphology of tuberculous lymphadenitis caused by M. bovis] Maskeev KM, et al.
Probl Tuberk 48:56-62, 1970 (Rus)

OCCURRENCE

[Tubercular mediastino-hilar adenopathies in adolescents and young adults (3 ethnic groups)] Lemoine JM, et al.
Rev Tuberc Pneumol (Paris) 32:100-5, Jan-Feb 68 (Fre)

[Trends in the development of cervical lymph node tuberculosis] Becker P, et al.
Prax Pneumol 24:700-10, Nov 70 (Ger)

PATHOLOGY

The fine structure of sarcoid and tuberculous granulomas. Williams WJ, et al.
Postgrad Med J 46:496-500, Aug 70

PHYSIOPATHOLOGY

[Lymphodynamic study with radio-iodinated 131 serum albumin in inguino-abdominal lymph node tuberculosis] Cavaliere P, et al.
Angeiologie 23:119-23, Mar-Apr 71 (Fre)

RADIOGRAPHY

The "pseudotumor" of retroperitoneal tuberculous lymphadenitis. Two case reports including lymphangiographic study. Johnson JC, et al.
Am J Roentgenol Radium Ther Nucl Med 111:554-61, Mar 71

Evaluation of the clinical and histological features of paratracheal and hilar gland enlargement. Mikhail JR, et al. Postgrad Med J 46:515-20, Aug 70

Broncho-pulmonary lesions associated with tuberculous lymph node compression--'node compression syndrome'. Malatinszky I, et al.
Tubercle 51:412-22, Dec 70

[Radiological appearances of tuberculous adenopathy. Value of lymphography] Rousseau J, et al.
Ann Radiol (Paris) 13:719-25, 1970 (Fre)

[Value of lymphography in lymph node tuberculosis. Apropos of a case] Esquirol E, et al.
Med Trop (Mars) 29:508-11, Jul-Aug 69 (Fre)

[Extrinsic compression of the thoracic esophagus of lymph node origin wrongly considered a begnin tumor of the esophagus] Grosdidier J, et al.
Sem Hop Paris 47:1472-3, 14 May 71 (Fre)

[Importance of lymphography in tuberculous adenomesenteritis] Cavaliere P, et al.
Chir Patol Sper 17:525-38, Dec 69 (Ita)

RADIOTHERAPY

[Development of a "postcricoid carcinoma" as a consequence of multiple x-ray irradiation of the neck region because of lymph node tuberculosis] Heilmann HP. Strahlentherapie 140:388-91, Oct 70 (Ger)

SURGERY

The role of surgery in tuberculous lymphadenitis in adults. Byrd RB, et al.
Am Rev Resp Dis 103:816-20, Jun 71

A clinical and therapeutical contribution to the study of submandibular tuberculous lymphadenopathies. Popescu V, et al.
Minerva Stomatol 20:65-8, Mar-Apr 71

[Surgical aspects of the treatment of mediastino-pulmonary initial tuberculosis] Ribet M, et al. Lille Med 16:230-1, Feb 71 (Fre)

[Experience in the surgical treatment of tuberculosis of the peripheral lymph nodes] Izmailov SB.
Probl Tuberk 48:86, 1970 (Rus)

[TBC of the peripheral lymphatic node] Barraza P, et al.
Rev Chil Pediatr 41:439-42, Jun 70 (Spa)

THERAPY

[Management of a patient with so-called chronic cervical adenopathy (problems posed by 296 patients treated at the Institut National de Carcinologie de Tunis] Zaouche A, et al.
Tunis Med 47:235-7, Jul-Aug 69 (Fre)

[Therapy of internal extrapulmonary tuberculosis] Gabler A. Med Klin 66:73-7, 15 Jan 71 (Ger)

VETERINARY

Mycobacterium avium in tuberculous adenitis of swine. Karlson AG, et al. Am J Vet Res 32:1257-61, Aug 71

Tuberculosis in a red deer (Cervus elaphus) due to an atypical mycobacterium. Hime JM, et al.
Vet Rec 88:616-7, 5 Jun 71

TUBERCULOSIS, MALE GENITAL (C1, C6)

DIAGNOSIS

[Late genital primary tuberculosis] Esposito C.
Rass Int Clin Ter 51:170-4, 15 Feb 71 (Ita)

PATHOLOGY

Tuberculous urethral fistula. Chambers RM.
Br J Urol 43:243-8, Apr 71

VETERINARY

[Testicular tuberculosis. Aspects of testicular tuberculosis in bulls] Panetta JC.
Hospital (Rio de J) 77:1019-34, Mar 70 (Por)

TUBERCULOSIS, MENINGEAL (C1, C10)

Tuberculous meningitis and pregnancy. Goldfich IM.
Am J Obstet Gynecol 110:1144-6, 15 Aug 71

Tuberculous meningitis. A review of 288 cases in children. Ramachandran RS, et al.
Indian J Pediatr 37:85-8, Mar 70

Ocular lesions in tubercular meningitis. Saxena S, et al.
Indian Pediatr 7:262-4, Dec 70

[Tuberculosis meningitis] Golinvaux LM.
Maandschr Kindergeneeskd 38:275-89, Dec 70 (Dut)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

Tuberculoma of the left optic nerve and chiasm. Schlernitzauer DA, et al.
Arch Ophthalmol 85:75-8, Jan 71
Optic atrophy eight years after tuberculous meningitis. Gillan JG, et al. Br Med J 4:156-7, 17 Oct 70
Neurological complications of tuberculosis.
Cent Afr J Med 17:43-4, Feb 71
Precocious sexual development following tuberculous meningitis: a case report. Olinsky A.
S Afr Med J 44:1189-90, 17 Oct 70
[Systematic fractional gas encephalography in the study of the sequelae of tuberculous meningitis in young adults] Pernod J, et al.
Rev Tuberc Pneumol (Paris) 34:385-402, Apr-May 70 (Fre)
[Retrospective analysis of the accompanying ocular symptoms in meningeal tuberculosis] Ljustina-Ivančić N, et al.
Klin Monatsbl Augenheilkd 159:82-7, Jul 71 (Ger)
[On the etiopathogenesis of periventricular necrosis] Fabri S. Riv Neurobiol 16:62-74, Jan-Mar 70 (Ita)
[Syndrome of the Klüver and Bucy type. Changes in diencephalic regulation of lipid metabolism (evolution of a clinical case during a 4-year period)] Ridolo P, et al.
Riv Sper Freniatr 94:458-66, 30 Apr 70 (Ita)
[Tubercular diseases of the eye in patients with various forms of pulmonary and extrapulmonary tuberculosis] Vyrenkova TE.
Vestn Oftalmol 5:71-4, 1970 (Rus)
[Sequelae of tuberculous meningitis in children and their therapy] Krivobokov SA.
Pediatr Akush Ginekol 2:22-4, Mar-Apr 70 (Ukr)

DIAGNOSIS

Tuberculous meningitis in children.
Br Med J 1:1-2, 2 Jan 71
Prognosis in tuberculous meningitis. Rao S, et al.
Indian Pediatr 7:257-61, May 70
[Intracranial granulomatous pachymeningitis with pseudotumoral symptomatology. Apropos of 4 cases] Michel D, et al. J Med Lyon 50:545-78, 5 Apr 69 (Fre)
[Diffuse sarcomatosis of the cerebrospinal meninges in a 3-year-old boy treated as tuberculous meningitis] Bieniek B, et al. Pol Tyg Lek 25:1906-7, 7 Dec 70 (Pol)

DRUG THERAPY

Concentrations of ethambutol in the cerebrospinal fluid after oral administration. Pilheu JA, et al.
Tubercle 52:117-22, Jun 71

METABOLISM

[Status of thiamine metabolism in children with tubercular meningitis] Makhamatov KM, et al.
Probl Tuberk 48:53-5, 1970 (Rus)

MICROBIOLOGY

[Electrophoretic enrichment method of detecting Mycobacterium tuberculosis in the cerebrospinal fluid in tuberculous meningitis] Kudriavtsev AE.
Lab Delo 10:609-11, 1970 (Rus)
[Isolation of L forms of mycobacteria from pathologic material of tuberculosis patients] Kochemasova ZN, et al. Probl Tuberk 48:63-5, 1970 (Rus)

OCCURRENCE

Tuberculous meningitis in pregnant and puerperal women. D'Cruz IA, et al.
Obstet Gynecol 37:775-8, Jun 68
[Reduction of incidence of tuberculous primary infections as a function of the use of BCG vaccine. Hospital survey] Monnet P, et al.
Ann Pediatr (Paris) 17:670-1, 2 Oct 70 (Fre)
[Epidemiological analysis of tuberculous encephalomeningitis based on disease records in 1968] Miller M. Gruzlica 38:979-85, Oct 70 (Pol)
[Tuberculosis encephalomeningitis in children of up to 14 years of age in Poland in 1969] Miller M. Gruzlica 39:427-9, May 71 (Pol)
[Problems of tuberculosis in children] Lupaşcu I.
Pediatria (Bucur) 19:545-53, Nov-Dec 70 (Rum)

PATHOLOGY

[Tubercular meningitis. Cases observed during the past 6 years (1963-1969) in the Department of Infectious diseases of the Spedali Riuniti of Leghorn, and considerations on their biological satatus] Menicagli V, et al.
Minerva Med 61:4878-88, 31 Oct 70 (Ita)

PHYSIOPATHOLOGY

Cerebral angiographic features in tuberculous meningitis. Mathew NT, et al.
Neurology (Minneap) 20:1015-22, Oct 70

RADIOGRAPHY

The chest roentgenogram in the early diagnosis of tuberculous meningitis in children. Zarabi M, et al.
Am J Dis Child 121:389-92, May 71
[Systematic fractional gas encephalography in the study of the sequelae of tuberculous meningitis in young adults] Pernod J, et al.
Rev Tuberc Pneumol (Paris) 34:385-402, Apr-May 70 (Fre)

THERAPY

[Results of treatment of tuberculous cerebrospinal meningitis and encephalitis in 1950-1968] Lasszcka C, et al. Gruzlica 38:1175-80, 1970 (Pol)

TUBERCULOSIS, MILIARY (C1)

[Tuberculosis of the endocardium and myocardium] Barone L, et al.
Riv Anat Patol Oncol 33:690-716, 1968 (Ita)
[Clinical analysis of 37 cases of miliary tuberculosis] Nakamura H, et al. Kekkaku 45:323-31, Oct 70 (Jap)

COMPLICATIONS

Pyrexia of unknown origin: two unusual cases. Norris AD. Br J Clin Pract 25:282-5, Jun 71
Interstitial and mediastinal emphysema complicating acute miliary tuberculosis. Bhatia JL, et al.
Indian J Chest Dis 12:76-9, Jan-Apr 70
Case report: interstitial and mediastinal emphysema complicating acute miliary tuberculosis. Narang RK, et al. Indian J Chest Dis 9:58-60, Jan 67
Multiple granulomata in a women with mild rheumatoid arthritis. Stokes W. Proc R Soc Med 64:223-4, Feb 71
[Pulmonary miliaria in carcinology (diagnostic problems)] Laval P, et al.
Mars Med 107:806-12, 1970 (Fre)
[Generalized mycobacteriosis with hematologic manifestations (fatal infection with Mycobacterium kansasii with myeloid type, leukemoid reaction)] Goudemand M, et al.
Rev Tuberc Pneumol (Paris) 34:225-46, Mar 70 (Fre)
[A case of hyponatremia by dilution during acute miliary pulmonary tuberculosis] Lissac J, et al.
Rev Tuberc Pneumol (Paris) 34:1004-5, Nov 70 (Fre)
[Tuberculosis of deep hematopoietic organs and its hematologic manifestations. Apropos of 6 personal cases] Debray J, et al.
Sem Hop Paris 47:1628-43, 14 Jun 71 (Fre)
[Autopsy case of systemic miliary tuberculosis, pancreatic cyst, and malignant reticulosis in a 70-year-old-man 1 year and a half after the surgery of laryngeal cancer] Yamagiwa H, et al.
Naika 27:377-81, Feb 71 (Jap)
[Tuberculosis and leukemia] Hansson V.
Tidsskr Nor Laegeforen 91:15-8, 10 Jan 71 (Nor)

DIAGNOSIS

Miliary tuberculosis: diagnostic methods with emphasis on the chest roentgenogram. Berger HW, et al. Chest 58:586-9, Dec 70
Miliary tuberculosis in adults. Heaton J, et al.
Ir J Med Sci 140:251-7, Jun 71
[Clinically primary nodular tuberculosis of the liver] De Rosa F, et al.
Omnia Med Ther 47:707-18, Jul-Sep 69 (Ita)
[A case of extremely acute lymphosarcoma and pseudomiliary pulmonary picture] Roscioli B, et al.
Pathologica 61:267-72, Sep-Oct 69 (Ita)

OCCURRENCE

Clinical review of miliary tuberculosis in Korean children. 84 cases and review of the literature. Kim PK, et al. Yonsei Med J 10:146-52, 1969
[Current status of miliary tuberculosis in children] Deschamps JP, et al.
Arch Fr Pediatr 27:997, Nov 70 (Fre)

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 13-1971.
N Engl J Med 284:714-22, 1 Apr 71

RADIOGRAPHY

]a case of detection of miliary pulmonary tuberculosis during preventive fluorographic examination] Bekker VS. Probl Tuberk 49:87-8, 1971 (Rus)

THERAPY

[Miliary tuberculosis in an infant] Slijapić Z.
Med Pregl 24:35-8, 1971 (Ser)

TUBERCULOSIS, OCULAR (C1, C11)

[Uveitis in pulmonary tuberculous patients. Clinical and therapeutic aspects] Bouzas A, et al.
Bull Mem Soc Fr Ophtalmol 83:139-46, 1970 (Fre)
[A further case of palpebral tuberculosis] Ravault P, et al. Bull Soc Ophtalmol Fr 68:515-7, Apr 68 (Fre)

COMPLICATIONS

Report of a case of tuberculous retrobulbar neuritis and osteomyelitis. Miller BW, et al.
Am J Ophthalmol 71:751-6, Mar 71
[Corneal limbus tumor of tuberculous origin] Diallo J, et al.
Bull Soc Med Afr Noire Lang Fr 16:16-8, 1971 (Fre)
[The so-called Leber's "idiopathic stellate retinopathy"] Manfredini U, et al.
Ann Ottalmol Clin Ocul 95:773-7, Sep 69 (Ita)
[Primary tuberculosis of the conjunctiva with parotid involvement] Salgarello G, et al.
Chir Patol Sper 17:50-62, Feb 69 (Ita)
[Tubercular diseases of the eye in patients with various forms of pulmonary and extrapulmonary tuberculosis] Vyrenkova TE.
Vestn Oftalmol 5:71-4, 1970 (Rus)

DIAGNOSIS

[Therapeutic trial with antitubercular agents] Velický J. Cesk Oftalmol 27:20-6, Jan 71 (Cze)
[Tests with purified tuberculin (Dessau) in endogenous eye diseases] Hiller H, et al.
Dtsch Gesundheitsw 25:1618-22, 20 Aug 70 (Ger)
[Evaluation of intradermal diagnostic tests] Nazarov VV. Vestn Oftalmol 2:58-9, 1971 (Rus)

DRUG THERAPY

[Therapeutic trial with antitubercular agents] Velický J. Cesk Oftalmol 27:20-6, Jan 71 (Cze)
[Use of isoniazid in the local treatment of ocular tuberculosis] Bobulescu M, et al.
Ann Ocul (Paris) 204:163-8, Feb 71 (Fre)
[The clinical use of rifampicin with special reference to tuberculous uveitis. (Preliminary results)] Esente I, et al. Ann Ottalmol Clin Ocul 95:78-90, Jan 69 (Ita)

OCCURRENCE

[Current forms of initial ocular tuberculosis] François P. Lille Med 16:317-8, Feb 71 (Fre)

THERAPY

[Basic approach to the treatment of keratitis parenchymatosa tuberculosa] Yui N.
Acta Soc Ophthalmol Jap 75:163-5, 20 Jan 71 (Jap)

TUBERCULOSIS, OSTEOARTICULAR (C1, C3)

Tuberculous osteomyelitis of the mandible: report of case. Khosla VM. J Oral Surg 28:848-53, Nov 70
[Current aspects of osteoarticular tuberculosis in children] Dubois M.
Ann Pediatr (Paris) 17:649-55, 2 Oct 70 (Fre)
[Problems of aspecific pathogenesis in tubercular manifestations of adolescence] Babolini G, et al.
Minerva Pediatr 22:2121-34, 27 Oct 70 (Ita)
[Specific arthritis. Tubercular arthritis, luetic arthritis, focal arthritis, pogenic arthritis] Houli J.
Rev Bras Med 27:555-9, Nov 70 (Por)
[Biomechanical characteristics of gait in destructive forms of tubercular coxitis] Chenskikh EP, et al.
Ortop Travmatol Protez 32:38-41, Jan 71 (Rus)
[Natural development of Porthes' disease and observations on its treatment] Nava Pechero BE.
Rev Clin Esp 118:455-60, 15 Sep 70 (Spa)

COMPLICATIONS

[Post-TB problems of tuberculous hip joint processes] Kovács L, et al. Orv Hetil 112:70-3, 10 Jan 71 (Hun)
[Hazards of corticosteroid injections in unrecognized tuberculous arthritis] Justin-Besançon L, et al.
Clin Ter 56:99-106, 31 Jan 71 (Ita)
[Case of tuberculous osteitis of the tuber ischiadicum] Stankiewicz Z, et al. Wiad Lek 24:467-70, 1 Mar 71 (Pol)
[Method of x-ray study of patients with pathological hip dislocation] Blinov BV, et al.
Ortop Travmatol Protez 31:39-43, Nov 70 (Rus)

DIAGNOSIS

Intracranial tuberculosis resembling Hand-Schüller-Christian disease. Cotton PB, et al.
Br Med J 1:403-4, 27 Feb 71
Problems in the diagnosis and management of skeletal tuberculosis. Elphick HR, et al.
Med J Aust 2:943-7, 21 Nov 70
An unusual form of osteo-articular tuberculosis in the Nigerian African. Jones BS.
S Afr Med J 44:876-80, 1 Aug 70
[A case of multiple cutaneous and osseous granuloma. Eosinophilic granuloma? Tuberculosis with multiple

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

foci?] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 76:215-6, 1969 (Fre)
[Tuberculous osteomyelitis of the dome of the skull] Borne G, et al.
Neurochirurgie 15:307-17, Jul-Aug 69 (Fre)
[Differential diagnosis of rheumatic diseases of the hand after the age of 60] Saudan Y.
Rev Med Suisse Romande 88:321-30, May 68 (Fre)
[Diagnostic problems in tumors] Roch W.
Beitr Orthop Traumatol 16:753, Dec 69 (Ger)
[Signs of activity in bone tuberculosis] Buchner H.
Wien Med Wochenschr 120:978-80, 19 Dec 70 (Ger)
[Hazards of corticosteroid injections in unrecognized tuberculous arthritis] Justin-Besançon L, et al.
Clin Ter 56:99-106, 31 Jan 71 (Ita)
[Clinico radiological considerations on a case of tubercular osteitis of the cuboid bone] Cardani R, et al. Minerva Ortop 22:132-40, Apr 71 (Ita)
[Dysostosis enchrondralis polyepiphysaria treated as Poncet's arthritis and arthritis deformans] Kucharski K, et al. Przegl Lek 26:879-81, 1970 (Pol)
[The differential diagnosis of gouty and tuberculous arthritis] Iudin IaB, et al.
Probl Tuberk 48:76-9, 1970 (Rus)

DRUG THERAPY

[Local ethambutol therapy of osteoarticular tuberculosis] Fabbri F, et al.
Minerva Ortop 21:628-33, Nov 70 (Ita)
[Use of single daily doses of tuberculostatic preparations in extra-pulmonary tuberculosis in children] Subbotskif ASh, et al.
Probl Tuberk 48:64-5, 1970 (Rus)

HISTORY

[Contribution of N.A. Veliyaminov to the development of Russian osteophthisiology] (Vel'iaminov NA), Sil'vaf KK. Probl Tuberk 49:87-9, 1971 (Rus)

OCCURRENCE

Multiple bone tuberculosis in the young. Cremin BJ, et al. Br J Radiol 43:638-45, Sep 70

PATHOLOGY

Tuberculous osteitis of the skull. Miles J, et al.
J Neurol Neurosurg Psychiatry 33:717, Oct 70
Tumoral calcinosis: a case report. Sonnenfeld ED.
S Afr Med J 44:1061, 19 Sep 70
[Structural reaction of the bone tissue in osteoarticular tuberculosis] Kovalenko DG.
Ortop Travmatol Protez 31:46-50, Oct 70 (Rus)
[Morphological changes in the germinal cartilage in experimental tuberculous ostitis] Vasylyk GG.
Probl Tuberk 48:81-5, 1970 (Rus)

PHYSIOPATHOLOGY

[Nervous processes and activity of cerebral cortex in patients with pulmonary, renal and osteoarticular tuberculosis] Troshikhin VO, et al.
Fiziol Zh 16:400-2, May-Jun 70 (Ukr)

PREVENTION & CONTROL

[Achievements in the control of osteoarticular tuberculosis in the Ukraine during the years of Soviet power] Kutsenok BS, et al.
Ortop Travmatol Protez 31:58-61, Oct 70 (Rus)
[Tasks in the further control of osteoarticular tuberculosis] Stanislavleva EN, et al.
Probl Tuberk 48:1-4, 1970 (Rus)

RADIOGRAPHY

Tuberculous dactylitis in the adult. Feldman F, et al.
Am J Roentgenol Radium Ther Nucl Med 112:460-79, Jul 71
[Epiphysial osteitis with tumor-like radiographic appearance] Campanacci M, et al.
Chir Organi Mov 58:93-9, 1969 (Ita)
[Roentgenologic signs of quiescence and healing of osteoarticular tuberculosis] Zharkov PL.
Probl Tuberk 49:18-22, 1971 (Rus)

SURGERY

Tuberculous osteitis of the skull. Miles J, et al.
Br J Surg 57:673-9, Sep 70
[Osteoarticular tuberculosis of the hip and total prosthesis] Herbert JJ, et al.
Chirurgie 97:466-72, May-Jun 71 (Fre)
[Delayed results of surgical treatment of Perthes disease] Jóźwiak R, et al.
Chir Narzadow Ruchu Ortop Pol 35:787-90, 1970 (Pol)
[Treatment of patients with neglected forms of tubercular coxitis] Rovinskif MS.
Khirurgiia (Mosk) 46:118-23, Sep 70 (Rus)
[Variant of arthrodesis of the hip joint in its atypical resection for tuberculosis] Gusefnov GK.
Ortop Travmatol Protez 31:60-1, Oct 70 (Rus)
[Compression arthrodesis of the hip joint in association with lengthening of the femur] Ugraitskif IaA, et al.
Ortop Travmatol Protez 31:61-4, Oct 70 (Rus)
[Reconstruction of defects of the femur head in tubercular coxitis with homologous bone-cartilage transplantation] Marakusha IG.
Probl Tuberk 48:65-9, 1970 (Rus)
[Radical reconstructive and mobilizing surgery in experimental tuberculous coxitis] Marakusha IG.
Probl Tuberk 49:64-70, 1971 (Rus)
[Use of spongy bone homotransplants, devoid of bone marrow, during surgical treatment of experimental tuberculous osteitis] Salmagambetov IU.
Probl Tuberk 48:69-74, 1970 (Rus)
[Method of compression arthrodesis of the hip joint with simultaneous lengthening of the femur in tubercular process sequelae] Bedrin AV.
Vestn Khir 104:13-6, Jun 70 (Rus)
[Theoretical foundations and prospects for the development of bone and joint homotransplantation in reconstructive surgery of osteoarticular tuberculosis] Kornev PG, et al.
Vestn Khir 104:3-9, Jun 70 (Rus)
[Focal osteocartilaginous homoplasty of the hip joint in tuberculous coxitis] Kovalenko DG, et al.
Vestn Khir 106:87-91, Jan 71 (Rus)
[Importance of surgical methods in preventing incapacitation in osteoarticular tuberculosis in children] Kovalenko DG, et al.
Vestn Khir 104:9-13, Jun 70 (Rus)
[Compression-distraction osteosynthesis in the treatment of tuberculous coxitis and its sequelae] Sobolev IP. Vestn Khir 106:69-74, Mar 71 (Rus)
[Restoration of articular cartilage after partial bone-cartilage homoplasty in tuberculosis of the knee and hip joints] Vereshchagin AP, et al.
Vestn Khir 103:62-8, Nov 69 (Rus)
[Compression and distraction in the restorative surgery of the sequelae of tubercular coxitis and gonitis] Vereshchagin AP, et al.
Vestn Khir 104:56-60, Mar 70 (Rus)

THERAPY

Is surgical fusion still desirable in spinal tuberculosis? Neville CH Jr, et al. Clin Orthop 75:179-87, Mar-Apr 71
[A short communication on bone and joint tuberculosis therapy in the future] Ernst J.
Nord Med 85:59-60, 14 Jan 71 (Dan)
[Coxalgia in the child treated with mobility preservation. Long-term evolution of 44 cases] Morel G, et al. Rev Chir Orthop 57:109-30, Mar 71 (Fre)
[Treatment of bone and joint tuberculosis in adults] Göb A. Arch Orthop Unfallchir 69:114-47, 1970 (Ger)
[Results with Imhäuser-cast in Perthes disease] Schneider D.
Beitr Orthop Traumatol 17:179-82, Feb 70 (Ger)
[Problems of tuberculous coxitis] Köster D.
Dtsch Gesundheitsw 25:2213-7, 19 Nov 70 (Ger)
[The effect of immobilization on the state of the circulatory system in patients with osteoarticular tuberculosis] Tsailagova EM, et al.
Probl Tuberk 49:29-32, 1971 (Rus)

TUBERCULOSIS PAPULONECROTICA see under TUBERCULOSIS, CUTANEOUS (C1, C12)

TUBERCULOSIS, PERITONEAL (C1, C4)

[Pelvic tuberculous serositis] Mondo F, et al.
Minerva Ginecol 21:1478-82, 15 Nov 69 (Ita)

COMPLICATIONS

A case of tuberculous peritonitis presenting as ascites. Mathew J, et al. Med J Aust 1:1277-9, 12 Jun 71

DIAGNOSIS

Tuberculous peritonitis: use of the hook needle biopsy. Gordon DF. J Iowa Med Soc 60:819-20, Dec 70
Case reports. Tuberculous peritonitis. Remigio PA, et al. NY State J Med 71:1757-61, 15 Jul 71
[Tuberculosis peritonitis observed by laparoscopy] Tanaka N, et al. Naika 28:181-4, 1971 (Jap)
[Case of peritoneal tuberculosis] Bednarski Z, et al.
Wiad Lek 24:1179-81, 15 Jun 71 (Pol)
[Laparoscopy in the diagnosis of tuberculosis] Amiantova-Filippova IS, et al.
Probl Tuberk 49:35-9, 1971 (Rus)

PATHOLOGY

[Histopathological aspects of tissue obtained by peritoneal biopsy in peritoneal tuberculosis] França LC, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:61-4, Apr 71 (Por)

PHYSIOPATHOLOGY

[Tuberculous effusions of serous membranes in animals and man: measurement of pO2, pCO2 and pH] Moline J, et al.
C R Soc Biol (Paris) 164:1616-8, 1970 (Fre)

SURGERY

False portal thrombosis syndrome after splenectomy due to tuberculous peritonitis and periportal adenopathy. Buriui D, et al. Rom Med Rev 14:42-6, 1970

TUBERCULOSIS, PLEURAL (C1, C5)

[Apropos of a costal isolated eosinophilic granuloma in a patient with former pleuropulmonary tuberculosis] Cinquette J, et al.
J Sci Med Lille 87:295-300, Apr 69 (Fre)

COMPLICATIONS

[Pleural effusion in cirrhosis] Bianchon P, et al.
Poumon Coeur 25:557-77, 1969 (Fre)

DIAGNOSIS

[Has the biopsy of the pleura a prognostic value in tuberculous pleurisy?] Boutin C, et al.
Mars Med 107:755-8, 1970 (Fre)
[Place of pleural punch biopsy with Abram's needle in the diagnosis of pleural effusions] Rivollier P, et al.
Mars Med 108:259-71, 1971 (Fre)
[Diagnosis of tuberculous pleurisy. Importance of needle-biopsy of the pleura and culture of the fragment (computer study)] Boutin C, et al.
Rev Tuberc Pneumol (Paris) 32:37-46, Jan-Feb 68 (Fre)
[Clinical aspects of malignant pleurisy] Wendel H, et al.
Radiol Diagn (Berl) 11:647-53, 1970 (Ger)

DRUG THERAPY

[Accidents of diphenylhydantoin induced by antituberculous treatments] Manigand G, et al.
Presse Med 79:815-6, 10 Apr 71 (Fre)

FAMILIAL & GENETIC

Identical twins, one presenting as tuberculosis, the other as sarcoidosis. Mikhail JR.
Postgrad Med J 46:521-5, Aug 70

OCCURRENCE

[Evaluation of the number of patients with tuberculosis of the respiratory system diagnosed in Belgium in 1967 by physicians in private practice. Pilot study] Iversen C, et al.
Acta Tuberc Pneumol Belg 61:221-52, May-Aug 70 (Fre)

PHYSIOPATHOLOGY

[Tuberculous effusions of serous membranes in animals and man: measurement of pO2, pCO2 and pH] Moline J, et al.
C R Soc Biol (Paris) 164:1616-8, 1970 (Fre)
[Pleural sequelae: comparative data of functional examination, angiography and scintigraphy] Boutin C, et al. Poumon Coeur 25:31-46, 1969 (Fre)

SURGERY

Indications for decortication. Lopez-Majano V, et al.
Respiration 27:565-81, 1970
[Pleural empyema of surgical importance] Pezzuoli G, et al. Policlinico [Prat] 78:529-50, 1 Jul 71 (Ita)

TUBERCULOSIS, PULMONARY (C1, C5)

see also related
ANTITUBERCULAR AGENTS (D3)
MASS CHEST X-RAY (E1, N2)
PNEUMONECTOMY (E4)

Secretion of blood group specific substances in pulmonary tuberculosis. Tyagi SP, et al.
Indian J Med Res 58:596-8, May 70
Nonreporting of tuberculosis of overtreating nontuberculous conditions. Tixes R.
N Engl J Med 285:237, 22 Jul 71
Droplet nuclei produced during dental treatment of tubercular patients. A preliminary study. Duell RC, et al. Oral Surg 30:711-6, Nov 70
[Tuberculosis as a cause of disability to work] Heinivaara O. Duodecim 86:1279-83, 1970 (Fin)
[The changing image of tuberculosis] Tala E.
Duodecim 86:1211-3, 1970 (Fin)
[A case of generalized maternal and fetal tuberculosis] Richon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:226-30, Apr-May 70 (Fre)
[An African immigrant] Dubuisson M.
Cah Coll Med Hop Paris 10:303-5, 15 Apr 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Apropos of a costal isolated eosinophilic granuloma in a patient with former pleuropulmonary tuberculosis] Crinquette J, et al.
J Sci Med Lille 87:295-300, Apr 69 (Fre)
[Infantile tuberculosis: current aspects] Gaudier B, et al. Lille Med 16:137-45, Jan 71 (Fre)
[Comparative study during a 10-year period (1959-1969) of pulmonary tuberculosis patients hospitalized in a Parisian phthisiology department (etiologic, clinical, radiologic, bacteriologic and therapeutic aspects)] Coury C, et al.
Rev Tuberc Pneumol (Paris) 34:531-46, Jun 70 (Fre)
[Relations between tuberculosis and psyche] Birkhäuser H. Dtsch Med J 22:33-8, Jan 71 (Ger)
[Concept of risk in insurance against tuberculosis as related to the epidemiological and clinical evolution of the tubercular disease] Iacovelli G.
Arch Monaldi 25:141-60, Mar-Apr 70 (Ita)
[In favor of an interpretative review of the concept of "risk" in compulsory insurance against tuberculosis] Babolini G, et al. Lotta Tuberc 40:3-25, Jan-Mar 70 (Ita)
[Problems of aspecific pathogenesis in tubercular manifestations of adolescence] Babolini G, et al. Minerva Pediatr 22:2121-34, 27 Oct 70 (Ita)
[Tuberculin reactions in adult patients with active pulmonary tuberculosis] Frenkel S, et al.
Gruzlica 39:195-9, 1971 (Pol)
[Suicides in patients with pulmonary tuberculosis] Wofna A. Pol Tyg Lek 25:1256-7, 17 Aug 70 (Pol)
[Social status and role of the patient with pulmonary tuberculosis] Alexandrescu I, et al.
Rev Med Chir Soc Med Nat Iasi 74:751-3, Jul-Sep 70 (Rum)
[On the personality of the patient with pulmonary tuberculosis] Bumbăcescu N, et al.
Rev Med Chir Soc Med Nat Iasi 74:753-5, Jul-Sep 70 (Rum)
[The psychologist and psychology of the pulmonary tuberculous patient] Bumbăcescu N, et al.
Rev Med Chir Soc Med Nat Iasi 74:747-50, Jul-Sep 70 (Rum)
[Psycho-social problems in a pulmonary tuberculosis hospital] Neculau A, et al.
Rev Med Chir Soc Med Nat Iasi 74:755-8, Jul-Sep 70 (Rum)
[The course of labor and puerperium in patients with pulmonary tuberculosis] Ivanov IuP.
Akush Ginekol (Mosk) 46:21-4, Oct 70 (Rus)
[Integration or disintegration in phthisiology] Zaslavskif ID. Klin Med (Mosk) 48:122-4, Dec 70 (Rus)
[The clinical picture and treatment of tuberculosis of the middle lobe of the lung] Itkina RE.
Probl Tuberk 48:19-23, 1970 (Rus)
[Dynamics of anthropometric indices and external respiration function in adolescents with pulmonary tuberculosis] Tsaliagova EM, et al.
Probl Tuberk 48:41-4, 1970 (Rus)

BLOOD

A study of iron binding capacity of serum in pulmonary tuberculosis. Mukerji PK, et al.
Indian J Chest Dis 9:148-51, Jul 67
Prevalence of abnormal haemoglobins in pulmonary tuberculosis in three different ethnic groups. Saha N.
J Med Genet 7:44-6, Mar 70
Serum iron, copper, magnesium and zinc concentration in chronic pulmonary tuberculosis during chemotherapy with capreomycin-ethambutol-rifampicin combinations. Elo R, et al. Scand J Resp Dis 51:249-55, 1970
Quantitative immunoelectrophoretic analysis in patients with tuberculosis and sarcoidosis. Clarke HG, et al. Thorax 25:423-6, Jul 70
[Study of blood nicotinamide during anti-tuberculous treatment] Dumon JF, et al.
Mars Med 107:759-64, 1970 (Fre)
[Gas analysis study in chronic pulmonary tuberculosis and in post-tuberculous pulmonary fibrosis and considerations of hemodynamic order] Morí G, et al.
Arch Tisiol Mal Appar Resp 24:423-53, Jun 69 (Ita)
[Studies of the antistreptolysin titer of the blood of subjects with pulmonary tuberculosis] Mostardini G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:191-8, 1968 (Ita)
[C-reactive protein in various forms of pulmonary tuberculosis] Giova C, et al.
Rass Int Clin Ter 49:1348-52, 15 Nov 69 (Ita)
[Dynamics of blood gas in the artery in severe pulmonary tuberculosis--correlation with oxygen therapy] Hamano S, et al. Iryo 25:235-40, Apr 71 (Jap)
[Blood bacteriostatic activity in patients depending on the type of inactivation of isonicotinic acid hydrazide in the body] Gil'madinova RSh, et al.
Antibiotiki 16:87-90, Jan 71 (Rus)
[Comparative study of specific blood activity in patients with fibrous-cavernous pulmonary tuberculosis during administration of different combinations of antibacterial preparations] Mkrtchian SV, et al. Antibiotiki 15:985-7, Oct 70 (Rus)
[Blood basophils in pulmonary tuberculosis] German AK, et al. Klin Med (Mosk) 48:23-4, Dec 70 (Rus)
[Compensatory reactions of the red blood in respiratory insufficiency in patients with pulmonary tuberculosis] Boksha VG, et al.
Probl Tuberk 48:65-9, 1970 (Rus)
[Gas composition of arterial blood and acid-base equilibrium in patients with pulmonary tuberculosis] Dmitrenko LV. Probl Tuberk 48:24-8, 1970 (Rus)
[Importance of changes in certain biochemical indices following administration of tuberculin in assessing the activity of the tuberculosis process in the lungs] Gavrilenko VS, et al. Probl Tuberk 48:25-9, 1970 (Rus)
[Testing arterial blood gases and acid-base equilibrium in physical loading as a method of functional characterization of patients with pulmonary tuberculosis] Iarochkin VS, et al.
Probl Tuberk 48:66-70, 1970 (Rus)
[Passage of fibrinogen and blood serum proteins through tissue barriers in patients with pulmonary tuberculosis] Karachunskiĭ MA, et al.
Probl Tuberk 48:33-6, 1970 (Rus)
[Properdin level and complement activity of blood serum in children with tuberculosis receiving antibacterial therapy] Kostromina VP.
Probl Tuberk 48:47-9, 1970 (Rus)
[The hemogram and ESR in pulmonary tuberculosis during intravenous administration of the primary antituberculer drugs] Koviazina AI, et al.
Probl Tuberk 49:48-51, 1971 (Rus)
[Blood coagulation system in pulmonary tuberculosis with hemoptysis and pulmonary hemorrhages] Rzaev NM, et al. Probl Tuberk 48:26-31, 1970 (Rus)
[Ammonia and nonprotein amide nitrogen content of the blood in destructive pulmonary tuberculosis] Sulio KM, et al. Probl Tuberk 48:58-61, 1970 (Rus)
[State of cations in pulmonary tuberculosis] Antonijević A. Med Glas 24:473-6, Oct-Nov 70 (Cro)

CHEMICALLY INDUCED

Idiopathic diffuse interstitial lung disease with tuberculosis. Shah SN, et al.
Indian J Chest Dis 9:229-32, Oct 67

CLASSIFICATION

[Onset of phthisis at the phthisiogenic age] Bassecopol A, et al. Ann Pediatr (Paris) 17:675, 2 Oct 70 (Fre)
[Classification of tuberculosis in Czechoslovakia] Koenigsmarkova M. Mars Med 107:798-800, 1970 (Fre)

COMPLICATIONS

Obstructive airway disease in patients with treated pulmonary tuberculosis. Snider GL, et al.
Am Rev Resp Dis 103:625-40, May 71
Pulmonary alveolar proteinosis. Treatment of a case complicated by tuberculosis. Lathan SR Jr, et al.
Chest 59:452-4, Apr 71
Tuberculous stricture of the esophagus: report of a patient successfully treated by colon interposition. Montes I, et al. Chest 60:194-5, Aug 71
Case report: amyloid goitre. Abraham S, et al.
Indian J Chest Dis 9:233-5, Oct 67
Subcutaneous emphysema in pulmonary tuberculosis. Sarma OA. Indian J Chest Dis 9:236-8, Oct 67
Associated infection of pulmonary tuberculosis and leprosy. Gupta MC, et al.
Indian J Med Sci 25:183-5 passim, Mar 71
Alcoholism and tuberculosis in Victoria. Milne RC.
Med J Aust 2:955-60, 21 Nov 70
Some findings on the post-mortem association of right ventricular wall thickness and chronic obstructive bronchitis, pneumoconiosis, emphysema and tuberculosis. Outhred KG, et al.
Med J Aust 2:950-4, 21 Nov 70
Incidence rate of pulmonary aspergillosis in the High Tatra Mountains sanatoria for tuberculosis and respiratory diseases of adults. Mindrik L, et al.
Mykosen 13:607-15, 1 Dec 70
Pulmonary tuberculosis with noncommunicating chest wil abscess. Kleid JJ, et al.
NY State J Med 70:2993-5, 15 Dec 70
Bullous emphysematous lesions in a tuberculous child. Anwar S, et al. Paediatr Indones 10:263-6, Nov-Dec 70
Association of pulmonary tuberculosis and carcinoma of the lung. Kreus KE, et al.
Scand J Resp Dis 51:276-89, 1970
Coexisting carcinoma of the lung and tuberculosis. Aspevik E.
Scand J Resp Dis [Suppl] 72:Suppl 72:5-12, 1970
Effect of intravenously injected tubercle bacilli (BCG) on transport of quartz dust via the pulmonary lymphatics. An experimental study on rats. Göthe CJ.
Scand J Resp Dis [Suppl] 73:Suppl 73:1-32, 1970
Pulmonary tuberculosis and diabetes mellitus. Perret L. Scand J Resp Dis [Suppl] 72:Suppl 72:68+, 1970
Infectious anemia caused by pulmonary tuberculosis. Tani P. Scand J Resp Dis [Suppl] 72:Suppl 72:84+, 1970
Concurrent pulmonary tuberculosis and primary carcinoma. Berroya RB, et al. Thorax 26:384-7, Jul 71
Pulmonary mycetoma as a late complication of tuberculosis. Smith JM, et al. Tubercle 52:123-6, Jun 71
Aspergilloma and residual tuberculous cavities--the results of a resurvey. Tubercle 51:227-45, Sep 70
[Association of tuberculous lesions of the lung and primary pulmonary tumors] Reginster-Haneuse G, et al.
Acta Tuberc Pneumol Belg 60:678-90, Sep-Oct 69 (Fre)
[Isolated tuberculosis on pulmonary sequestration] Longefait H, et al.
Ann Chir Thorac Cardiovasc 9:523-4, Oct 70 (Fre)
[Uveitis in pulmonary tuberculous patients. Clinical and therapeutic aspects] Bouzas A, et al.
Bull Mem Soc Fr Ophtalmol 83:139-46, 1970 (Fre)
[A case of lingual ulceration revealing pulmonary tuberculosis] Lacour M, et al.
Bull Soc Med Afr Noire Lang Fr 14:106-8, 1969 (Fre)
[Gangrene of the 4 limbs and tuberculosis] Corcos A.
Bull Soc Pathol Exot 62:814-9, Sep-Oct 69 (Fre)
[Chronic bronchitis in intractable pulmonary tuberculosis patients and in those with extended sequelae (function characteristics)] Anastasatu C, et al. Cah Med 12:205-7, 28 Feb 71 (Fre)
[Waldenstrom's disease and pulmonary tuberculosis (apropos of a case)] Gadrat J, et al.
J Fr Med Chir Thorac 24:637-42, Sep-Oct 70 (Fre)
[Tuberculous recurrent nerve paralysis] Calvet J, et al.
J Fr Otorhinolaryngol 20:23-4, Jan 71 (Fre)
[Pulmonary opacity in a tuberculous patient, tumor of the left hypochondrium and splenic vein thrombosis] Mesmacque R, et al. Lille Med 15:1286-9, Nov 70 (Fre)
[Multiple distal arteritis with necrosis of the thumbs of rickettsial origin] Dugois P, et al.
Lyon Med 222:709-10, 26 Oct 69 (Fre)
[Pulmonary miliaria in carcinology (diagnostic problems)] Laval P, et al.
Mars Med 107:806-12, 1970 (Fre)
[Intrication of sarcoidosis with pulmonary tuberculosis] Perret, et al.
Mars Med 107:839-40, 1970 (Fre)
[Pulmonary metastasis of a thyroid cancer discovered in the course of a surgical intervention for tuberculosis in a child (apropos of 1 case)] Louchet K, et al. Pediatrie 23:339-47, Apr-May 68 (Fre)
[Association of pulmonary sarcoidosis and tuberculosis] Perret, et al.
Rev Corps Sante Armees 12:57-61, Feb 71 (Fre)
[Otolaryngologic tuberculosis associated with pulmonary tuberculosis: current occurrence] Coury C, et al.
Rev Tuberc Pneumol (Paris) 34:192-200, 1970 (Fre)
[Severe hypoprothrombinemia in a tubercular patient treated by combined rifampicin, isoniazid, streptomycin and prothionamide] Hinaut G, et al.
Rev Tuberc Pneumol (Paris) 34:291-5, Mar 70 (Fre)
[Tuberculous perforation of the aorta] Kochman S, et al.
Rev Tuberc Pneumol (Paris) 34:998-1003, Nov 70 (Fre)
[Pulmonary tuberculosis in a hypo-gamma-globulinemic patient] Leménager J, et al.
Rev Tuberc Pneumol (Paris) 34:247-56, Mar 70 (Fre)
[Tuberculosis and Hodgkin's disease] Leménager J, et al.
Rev Tuberc Pneumol (Paris) 35:299-312, Apr-May 71 (Fre)
[A case of hyponatremia by dilution during acute miliary pulmonary tuberculosis] Lissac J, et al.
Rev Tuberc Pneumol (Paris) 34:1004-5, Nov 70 (Fre)
[Cancer and tuberculosis closely associated on the respiratory tract] Chrétien J, et al.
Sem Hop Paris 47:1152-6, 14 Apr 71 (Fre)
[Tuberculosis of deep hematopoietic organs and its hematologic manifestations. Apropos of 6 personal cases] Debray J, et al.
Sem Hop Paris 47:1828-43, 14 Jun 71 (Fre)
[Aspergilloma as complication in tuberculous cavities] Hahn B.
Fortschr Geb Roentgenstr Nuklearmed 112:366-8, Mar 70 (Ger)
[Chronic bronchitis in persistent lung tuberculosis and in post-tuberculous conditions] Anastasatu C, et al.
Munch Med Wochenschr 113:468-70, 26 Mar 71 (Ger)
[Concurrences between urogenital and pulmonary tuberculosis] Kiss G, et al.
Prax Pneumol 24:644-51, Oct 70 (Ger)
[The "mental inactivity syndrome"] Grünberger J, et al. Wien Klin Wochenschr 82:101-5, 6 Feb 70 (Ger)
[Alcoholism in hospitalized tuberculosis patients] Kryspin-Exner K, et al.
Wien Z Nervenheilkd 28:153-70, Sep 70 (Ger)
[Fatal outcome of an adenovirus type 21 pneumonia in active pulmonary tuberculosis] Adamczyk B, et al.
Z Erkr Atmungsorgane 131:323-7, 1970 (Ger)
[Diabetes mellitus and pulmonary tuberculosis] Alimpić D, et al.
Z Erkr Atmungsorgane 132:187-94, 1970 (Ger)
[Bronchial carcinoma and pulmonary tuberculosis] Kurpat D, et al.
Z Erkr Atmungsorgane 132:127-39, 1970 (Ger)
[Coincidence of tuberculosis and diabetes] Löw BB, et al. Z Erkr Atmungsorgane 134:213-8, 1971 (Ger)
[Diabetes tuberculosis--today] Pfaffenberg R.
Z Gesamte Inn Med 25:785-90, 1 Sep 70 (Ger)
[Clinico-therapeutic observations on the association of diabetes and tuberculosis in adult, presenile and senile subjects] Marzi C, et al.
Acta Gerontol (Milano) 20:42-56, Jan-Mar 70 (Ita)
[A reactive generalized tuberculosis associated with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

multiple echinococcosis. (Description of a case)] Lucchesi M, et al.
Ann Ist Carlo Forlanini 29:67-81, 1969 (Ita)
[Use of a weight-reducing drug in certain cases of fattening or pathologic obesity in the course of pulmonary tuberculosis] Fossati C.
Farmaco [Prat] 25:372-82, Jun 70 (Ita)
[Alcoholism and tuberculosis] Zocca L, et al.
Fracastoro 62:80-7, Jan-Feb 69 (Ita)
[Serum levels of G.O. and G.P.: transaminases in pulmonary tuberculosis patients] Giura R.
G Ital Mal Torace 23:315-7, Nov-Dec 69 (Ita)
[Pulmonary tuberculosis and megamycetoma: observations on 8 cases] Lo Schiavo L, et al.
G Ital Mal Torace 23:299-300 passim, Nov-Dec 69 (Ita)
[On bronchopulmonary mycetomas found in a sanatorium] Ricci S.
G Ital Mal Torace 24:31-2 passim, Jan-Feb 70 (Ita)
[Pleural calcifications in asbestosis and in tuberculosis: elements of differential diagnosis] Moreschi N, et al.
Med Lav 61:141-53, Mar 70 (Ita)
[Chronic bronchitis of subjects with chronic pulmonary tuberculosis and its diffuse sequelae. Functional characteristics] Anastasatu C, et al.
Minerva Med 61:5749-52, 15 Dec 70 (Ita)
[Clinical experience in the use of prostilliaridin A in cardiac patients with tubercular bronchopneumopathy] Concina E, et al.
Minerva Med 62:1769-82, 28 Apr 71 (Ita)
[On a case of tracheal polyp as a reaction to tubercular adenopathy] Perroni L, et al.
Pediatria (Napoli) 77:459-69, 1969 (Ita)
[Evolution of the ideas on association of tuberculosis and mental disorders and some unusual clinical aspects of schizophrenia in tuberculous patients] Nava V. Riv Sper Freniatr 94:1463-74, 3 Dec 70 (Ita)
[Pulmonary tuberculosis and diabetes] Kusuki S.
Iryo 24:Suppl:81, 1970 (Jap)
[Pulmonary tuberculosis co-existing with malignant lymphogranulomatosis: a case report] Kazimierczak A. Gruzlica 38:987-91, Oct 70 (Pol)
[Idiopathic pericarditis in a tuberculous patient] Kopaczyńska K. Gruzlica 38:1029-30, Oct 70 (Pol)
[Residual pulmonary lesions following primary tuberculosis in children under the age of 4 and treated with chemotherapy] Krukowska H, et al.
Gruzlica 39:215-20, 1971 (Pol)
[Skin diseases in patients treated in sanatoria for pulmonary tuberculosis] Mazurek A, et al.
Pol Tyg Lek 26:717-8, 10 May 71 (Pol)
[Problem of the relationship between diabetes mellitus and tuberculosis] Gligore V, et al.
Med Interna (Bucur) 23:425-30, Apr 71 (Rum)
[On the incidence and etiopathogenesis of chemical diabetes mellitus in pulmonary tuberculosis] Gligore V, et al. Med Interna (Bucur) 23:417-23, Apr 71 (Rum)
[Detected mediastinal tumoral lesions of tubercular origin and those revealed at thoracotomy] Kirileanu T, et al.
Rev Med Chir Soc Med Nat Iasi 75:347-52, Apr-Jun 71 (Rum)
[Ballistocardiography in the evaluation of pulmonary circulation and changes in the ballistocardiogram with the use of ganglionic blockaders in pulmonary tuberculosis] Kidanova ZS, et al.
Grudn Khir 13:96-100, Jan-Feb 71 (Rus)
[Preoperative preparation and postoperative management of patients with pulmonary tuberculosis with concomitant diabetes mellitus] Savon AA, et al.
Grudn Khir 12:84-8, Jul-Aug 70 (Rus)
[Possibilities of early electrocardiographic diagnosis of chronic pulmonary heart disease in patients with pulmonary tuberculosis] Loffer BV.
Kardiologiia 10:125-30, Jul 70 (Rus)
[Myocardial changes in patients with pulmonary tuberculosis (clinico-morphologic and histochemical study)] Poleshchuk AK, et al.
Kardiologiia 10:121-5, Jul 70 (Rus)
[Acute appendicitis in patients with diabetes mellitus and pulmonary tuberculosis] Finkel'shtein NI.
Klin Khir 10:76-7, Oct 69 (Rus)
[Course of pulmonary tuberculosis after surgery in middle-aged and aged patients] Sokolina ZL, et al.
Klin Med (Mosk) 48:35-8, Dec 70 (Rus)
[Some pathogenetic factors of amyloidosis in patients with pulmonary tuberculosis] Tsigel'nik AIa, et al.
Klin Med (Mosk) 48:62-7, Jul 70 (Rus)
[Studying arterial blood gases during physical loading as a method of evaluating the functional state of the respiratory system] Iarochkin VS, et al.
Patol Fiziol Eksp Ter 14:68-70, Nov-Dec 70 (Rus)
[Course of homologous serum hepatitis in patients with pulmonary tuberculosis] Andriutsa KA.
Probl Tuberk 48:51-2, 1970 (Rus)
[Analysis of the expirogram in patients with pulmonary tuberculosis in association with bronchial asthma] Boush GV. Probl Tuberk 48:45-8, 1970 (Rus)
[Diseases and causes of death in people with a history of active tuberculosis (pathologico-anatomic data)] Braude VI. Probl Tuberk 48:75-8, 1970 (Rus)
[Essential etiology of multiple calcifications in the lungs in pneumoconiosis] Brodskiĭ OB, et al.
Probl Tuberk 48:16-9, 1970 (Rus)
[Infectius hepatitis (Botkin's disease) in patients with pulmonary tuberculosis] Bugakova GN.
Probl Tuberk 48:44-7, 1970 (Rus)
[Blood coagulation factors in pulmonary hemorrhages and hemoptysis in pulmonary tuberculosis] Iatsozhinskiĭ IuD, et al.
Probl Tuberk 48:37-40, 1970 (Rus)
[Cancer and tuberculosis of the lungs] Karpov MF, et al. Probl Tuberk 48:35-9, 1970 (Rus)
[Electrocardiographic studies of pulmonary tuberculosis in advanced age] Kopelovich IuKh. Probl Tuberk 48:31-4, 1970 (Rus)
[Amyloid goiter in amyloidosis secondary to pulmonary tuberculosis] Kostina ZI.
Probl Tuberk 48:40-4, 1970 (Rus)
[Recurrent nerve paralysis in pulmonary tuberculosis] Kudriavitskiĭ VA. Probl Tuberk 48:63-4, 1970 (Rus)
[Chronic non-specific bronchopulmonary diseases in tuberculosis patients and their treatment at health resorts] Lebedeva TG, et al.
Probl Tuberk 49:23-6, 1971 (Rus)
[Spontaneous rib fracture in pulmonary tuberculosis] Malinovskiĭ AF. Probl Tuberk 49:86-7, 1971 (Rus)
[Incidence of pulmonary hemorrhage and hemoptysis in pulmonary tuberculosis] Malyshev VA.
Probl Tuberk 48:60-2, 1970 (Rus)
[Pulmonary tuberculosis in patients with lead poisoning] Melkumov GA, et al.
Probl Tuberk 48:22-6, 1970 (Rus)
[Differential diagnosis of types of pulmonary insufficiency in tuberculosis] Norefko BV, et al.
Probl Tuberk 48:48-52, 1970 (Rus)
[Bronchial stenoses in pulmonary tuberculosis] Pershina KI. Probl Tuberk 48:39-43, 1970 (Rus)
[Surgical treatment of concomitant nonspecific ear, nose and throat diseases in patients with tuberculosis in a northern climate] Piskunov GZ.
Probl Tuberk 48:46-7, 1970 (Rus)
[Effect of ganglionic blockaders on hemodynamics, pulmonary ventilation, gas exchange, and acid-base equilibrium in pulmonary tuberculosis accompanied by pulmonary hypertension and chronic cor pulmonale] Rumiantsev VB, et al.
Probl Tuberk 49:44-8, 1971 (Rus)
[Pneumotachography and pneumotachometry of forced expiration in the diagnosis and treatment of disorders of bronchial patency in patients with pulmonary tuberculosis] Rusak NT, et al.
Probl Tuberk 48:40-4, 1970 (Rus)
[Asthenic states in patients with infiltrative-pneumonic and fibrous-cavernous pulmonary tuberculosis] Sergeev II, et al.
Probl Tuberk 48:52-6, 1970 (Rus)
[Spirographic changes in patients with pulmonary tuberculosis associated with chronic bronchitis and pulmonary emphysema] Shabarkov D.
Probl Tuberk 49:30-1, 1971 (Rus)
[Correlation between bronchial and elastic respiratory resistance in different types of ventilatory insufficiency in pulmonary tuberculosis] Sinimets TM. Probl Tuberk 48:48-52, 1970 (Rus)
[Penicilloma in a lung cavern] Strel'tsov VP, et al.
Probl Tuberk 48:66-8, 1970 (Rus)
[Electrokymographic study of left ventricular function in patients with pulmonary tuberculosis complicated by cor pulmonale] Trofimova RI.
Probl Tuberk 48:34-6, 1970 (Rus)
[Surgical treatment of pulmonary tuberculoma] Tsel' VF, et al. Probl Tuberk 48:86-8, 1970 (Rus)
[Pulmonary vessel changes at different stages of pulmonary hypertension in patients with fibro-cavernous tuberculosis] Vartazarian ND, et al.
Probl Tuberk 49:57-61, 1971 (Rus)
[Intralobiar pulmonary sequestration in a patient with tuberculosis] Viadro GA.
Probl Tuberk 48:80-1, 1970 (Rus)
[Pulmonary tuberculosis and viral hepatitis] Vil'derman AM, et al.
Probl Tuberk 48:47-50, 1970 (Rus)
[Leprosy and tuberculosis] Vinnik LA, et al.
Probl Tuberk 49:39-44, 1971 (Rus)
[Shoulder-hand syndrome in patients with pulmonary tuberculosis] Zasiavskiĭ ES.
Probl Tuberk 48:84-5, 1970 (Rus)
[Surgical intervention for fibro-cavernous pulmonary tuberculosis complicated by amyloid lesions of the kidneys] Lozovoĭ EKh, et al.
Sov Zdravookhr Kirg 6:52-3, Nov-Dec 70 (Rus)
Exacerbation of pulmonary tuberculosis caused by corticosteroid therapy] Kolotovkin PS.
Ter Arkh 43:56-8, Mar 71 (Rus)
[Concomitant diseases in primary detected cases of active pulmonary tuberculosis (according to dispensary case data)] Novikova NA.
Ter Arkh 42:66-8, Oct 70 (Rus)
[Diseases of the lungs and other organs associated with tuberculosis] Rabukhin AE, et al.
Ter Arkh 42:3-8, Aug 70 (Rus)
[Effect of concomitant diseases on the tolerance of antibacterial preparations in patients with pulmonary tuberculosis (according to dispensary data)] Simonian LK. Ter Arkh 42:63-5, Oct 70 (Rus)
[Tubercular diseases of the eye in patients with various forms of pulmonary and extrapulmonary tuberculosis] Vyrenkova TE.
Vestn Oftalmol 5:71-4, 1970 (Rus)
[The relationship between cancer and tuberculosis of the lungs] Rabukhin AE, et al.
Vopr Onkol 17:24-32, 1971 (Rus)
[Primary cancer of the lung and pulmonary tuberculosis (clinico-statistical study)] López Sendón JL. Rev Clin Esp 116:363-8, 28 Feb 70 (Spa)

DIAGNOSIS

Practical significance of booster effect of delayed type of skin test. Duboczy BO.
Am Rev Resp Dis 103:719-21, May 71
Tuberculin sensitivity in elderly patients. Woodruff CE, et al. Am Rev Resp Dis 104:261-3, Aug 71
The practicing physician, the tuberculin reactor and isoniazid. Edson RC. Conn Med 35:233-6, Apr 71
Serial dilution tuberculin test for the diagnosis of active tuberculosis. Shankar PS.
Indian J Chest Dis 9:213-21, Oct 67
Case finding with minifilm chest x-ray. Loofbourow JC, et al. J Am Coll Health Assoc 19:114-5, Dec 70
Missing tuberculosis. Logan J.
J Ir Med Assoc 64:295-6, 10 Jun 71
Clues to discovery of pulmonary tuberculosis. Carr DT, et al. Minn Med 54:319-20, May 71
The definition of high risk groups. Waaler HT. Scand J Resp Dis [Suppl] 72:Suppl 72:106+, 1970
Lung fibrosis and cavitation mimicking tuberculosis. Davies D. Tubercle 51:246-54, Sep 70
The efficiency of methods of diagnosing pulmonary tuberculosis: an investigation in a chest clinic in Algiers. Larbaoui D, et al. Tubercle 51:403-11, Dec 70
[Tuberculosis, a rapidly disappearing disease] Langen C de.
Ned Tijdschr Geneeskd 114:2170-7, 26 Dec 70 (Dut)
[Note on the possibility of differences in reading fixed sputum films in detection of Koch's bacillus] Henneghien C, et al.
Acta Tuberc Pneumol Belg 60:878-85, 1969 (Fre)
[Onset of phthisis at the phthisiogenic age] Basacopoi A, et al. Ann Pediatr (Paris) 17:675, 2 Oct 70 (Fre)
[Conditions of appearance and diagnosis of pulmonary tuberculosis in adolescents 16 to 20 years old] Parent G, et al. Ann Pediatr (Paris) 17:637, 2 Oct 70 (Fre)
[Bacteriological technics recommended for mass screening of pulmonary tuberculosis] Gernez-Rieux C, et al.
Rev Tuberc Pneumol (Paris) 32:21-36, Jan-Feb 68 (Fre)
[Is the preeminence of radiological screening over bacteriological screening justified?] Marchal G, et al.
Rev Tuberc Pneumol (Paris) 34:848-50, Jul-Aug 70 (Fre)
[Bronchoscopy and tuberculosis bacilli. Present utility of bronchoscopy in adult phthysiology] Vergez P, et al.
Rev Tuberc Pneumol (Paris) 35:173-84, Mar 71 (Fre)
[Erroneous diagnosis of tuberculosis in lung disease diagnosis. Consequences for the patient] Reif F.
Munch Med Wochenschr 110:2274-82, 4 Oct 68 (Ger)
[Tuberculosis pulmonary] Schlapper K.
Munch Med Wochenschr 113:171-4, 29 Jan 71 (50 ref.) (Ger)
[Pulmonary tuberculosis] Schlapper K.
Munch Med Wochenschr 113:924-6, 11 Jun 71 (39 ref.) (Ger)
[Tubercular pulmonary process and macroregulation] Bergmann O. Pneumonologie 143:247-52, 1970 (Ger)
[Histoplasmosis or tuberculosis?] Werner E.
Prax Pneumol 25:199-204, Apr 71 (Ger)
[Possibilities of mass radiography and its position in tuberculosis control] Werner E, et al.
Prax Pneumol 25:472-8, Aug 71 (Ger)
[The estimation of activity in pulmonary tuberculosis] Sighart H.
Wien Med Wochenschr 120:971-2, 19 Dec 70 (Ger)
[Importance of tuberculin sensitivity in pulmonary sarcoidosis. Report against the tuberculous etiology of sarcoidosis from the viewpoint of nosology] Böttger D.
Z Erkr Atmungsorgane 131:189-96, 1970 (Ger)
[The advantage of an incubating room and an incubator for the cultural diagnosis of tubercle bacillus] Grimm H. Zentralbl Bakteriol [Orig] 216:273-5, 1971 (Ger)
[Intradermal reaction with Petragnani anatuberculin and with PPD in childhood] Crua G, et al.
Minerva Pediatr 21:561-5, 7 Apr 69 (Ita)
[A case of extremely acute lymphosarcoma and pseudomiliary pulmonary picture] Roscioli B, et al.
Pathologica 61:267-72, Sep-Oct 69 (Ita)
[Iinical application and significance of lung scintigrams in pulmonary diseases with special reference to pulmonary tuberculosis] Yamada T, et al.
Iryo 24:1017-26, Dec 70 (Jap)
[Differential diagnosis of lung cancer and pulmonary tuberculosis using 67Ga-citrate] Kanno I, et al.
Jap J Cancer Clin 17:437-41, Jun 71 (Jap)
[Congenital heart defects with diminished pulmonary flow and pulmonary tuberculosis] Kapuściński O, et al. Gruzlica 39:399-402, May 71 (Pol)
[Esophago-bronchial fistula simulating pulmonary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tuberculosis] Kisielewicz J, et al.
Pol Tyg Lek 26:559-60, 12 Apr 71 (Pol)
[Protracted subfebrile temperature and tuberculosis] Belen'kiĭ MS. Klin Med (Mosk) 48:32-5, Dec 70 (Rus)
[Tuberculosis and marginal diseases of the lungs] Efnis VL. Klin Med (Mosk) 48:6-10, Dec 70 (Rus)
[Differential diagnosis of tuberculosis and other lung diseases in children and adolescents] Belova LG, et al.
Probl Tuberk 48:17-21, 1970 (Rus)
[The clinical picture, course and treatment of focal pulmonary tuberculosis in adolescents under current conditions] Ganiev KG.
Probl Tuberk 48:5-8, 1970 (Rus)
[Importance of changes in certain biochemical indices following administration of tuberculin in assessing the activity of the tuberculosis process in the lungs] Gavrilenko VS, et al. Probl Tuberk 48:25-9, 1970 (Rus)
[Results of the 1st examination of agricultural workers with pulmonary tuberculosis by the Medical Expert Commission on Disability Evaluation] Iakovleva NKh.
Probl Tuberk 49:1-3, 1971 (Rus)
[Biochemical criteria of tuberculosis activity in children] Ioffe RA. Probl Tuberk 48:30-3, 1970 (Rus)
[Outcome in pulmonary tuberculosis with late diagnosis] Katsian IaD.
Probl Tuberk 48:13-4, 1970 (Rus)
[Tentative treatment during the determination of the activity of pulmonary tuberculosis in persons referred to an antituberculous dispensary] Levin VR, et al. Probl Tuberk 48:38-41, 1970 (Rus)
[Organization of the registration of patients with active tuberculosis in the Lithuanian SSR] Minius V, et al.
Probl Tuberk 48:30-2, 1970 (Rus)
[Clinical and x-ray characteristics and outcomes of hematogenous-disseminated pulmonary tuberculosis in newly detected patients (based on data from Leningrad dispensaries)] Polushkina AF, et al.
Probl Tuberk 49:28-32, 1971 (Rus)
[Scannopulmonography in pulmonary tuberculosis] Shikhman ShM. Probl Tuberk 48:65-8, 1970 (Rus)
[Changes in the electrocardiogram during bronchoscopy under anesthesia] Shtefnberg AI, et al.
Probl Tuberk 48:90-1, 1970 (Rus)
[Roentgeno-anatomic parallels in focal pulmonary tuberculosis (based on resection material)] Sokolov VA. Sov Med 33:29-34, 1970 (Rus)
[Clinical value of determining the level of peroxidase and glycogen in neutrophils in pulmonary and tracheobronchial lymph node tuberculosis] Tsigel'nik Ala, et al. Sov Med 33:34-9, Dec 70 (Rus)
[Effect of the bronchosecretolytic bisolvon (bromhexine) on the frequency of detection of U. tuberculosis and malignant cells in the sputum] Tomašić-Cvitanović S. Lijec Vjesn 92:941-4, 1970 (Cro)
[Negative tuberculin test in the course of active tuberculosis in children] Suvajdžić S, et al.
Piscne Bolesti Tuberk 22:385-91, Oct-Dec 70 (Cro)

DRUG THERAPY

Rifampin in initial treatment of pulmonary tuberculosis. A U.S. Public Health Service tuberculosis therapy trial. Newman R, et al.
Am Rev Resp Dis 103:461-76, Apr 71
Results after retreatment of advanced pulmonary tuberculosis with rifampin and other drugs. Pines A.
Am Rev Resp Dis 104:126-7, Jul 71
Toxic amblyopia due to ethambutol in a case of drug resistant pulmonary tuberculosis. Bowen DI, et al.
Br J Dis Chest 65:105-10, Apr 71
Pulmonary tuberculosis, isoniazid and cancer. Campbell AH, et al. Br J Dis Chest 64:141-9, Jul 70
Drug-resistant pulmonary tuberculosis treated with ethambutol, a rifamycin and a riminophenazine (B663). Donaldson R, et al.
Br J Dis Chest 64:161-3, Jul 70
Rifampicin with ethambutol for drug-resistant tuberculosis. Pines A. Br J Dis Chest 65:178-81, Jul 71
Pulmonary tuberculosis follow-up. Chakraborty H.
Br Med J 1:350, 6 Feb 71
A second international co-operative investigation into thioacetazone side-effects. 1. The influence of a vitamin and antihistamine supplement. Miller AB, et al. Bull WHO 43:107-25, 1970
The use of a computer in the organization of a large-scale co-operative controlled clinical trial of the treatment of pulmonary tuberculosis. Tall R, et al.
Bull WHO 43:127-41, 1970
A controlled comparison of a twice-weekly and three once-weekly regimens in the initial treatment of pulmonary tuberculosis. Bull WHO 43:143-206, 1970
Factors affecting the outcome of treatment of pulmonary tuberculosis in sub-optimal conditions: an 18-month follow-up of 224 patients. Shennan DH, et al.
Cent Afr J Med Suppl:1-10, Jan 71
Incidence of resistant pulmonary tuberculosis in relation to initial bacterial load, Rifampicin and INH in experimental tuberculosis. Kradolfer F, et al.
Chemotherapy 15:242-9, 1970
Ethambutol compared to streptomycin in original treatment of advanced pulmonary tuberculosis. Bobrowitz ID. Chest 60:14-21, Jul 71
Tuberculosis in Iran. Doust JY, et al.
Chest 58:553, Nov 70
Ambulatory treatment of pulmonary tuberculosis with ethambutol-isoniazid. Cooperative study conducted in Argentina, Colombia, Ecuador and Paraguay. Pilheu JA. Chest 58:497-500, Nov 70
Chemotherapy of tuberculosis. Lester W.
Clin Notes Resp Dis 9:3-13, Fall 70
The practicing physician, the tuberculin reactor and isoniazid. Edson RC. Conn Med 35:233-6, Apr 71
Treatment of drug-resistant tuberculosis. Lester W.
DM 1-43, Apr 71
Primary drug resistance in tuberculosis. Tizes R, et al.
Dokl Akad Nauk SSSR 184:1887-8, 21 Jan 69
Rifampicin-ethambutol in the treatment of resistant pulmonary tuberculosis. Hertrick C, et al.
Ger Med Mon 1:34-7, Spring 71
Bi-weekly streptomycin and isoniazid therapy after daily treatment for 3 months. Second investigation. Chatterji JC, et al. Indian J Chest Dis 11:177-85, Oct 69
Drug therapy of resistant cases of pulmonary tuberculosis in Indian patients. Mital OP, et al.
Indian J Chest Dis 9:196-206, Oct 67
Intolerance to thiacetazone in pulmonary tuberculosis with reference to liver and haemopoetic functions. Sen PK, et al. Indian J Med Res 58:1340-55, Oct 70
Thiacetazone in pulmonary tuberculosis with reference to its clinical intolerance. Sen PK, et al.
Indian J Med Res 58:1002-11, Aug 70
Control clinical trial with rimactane in fresh, untreated cases of pulmonary tuberculosis. Viswanathan R, et al.
Indian J Med Res 58:519-24, Apr 70
Trial of rifampicin in the treatment of pulmonary tuberculosis. A preliminary report. Sriyabhaya N, et al. J Med Assoc Thai 54:304-11, May 71
Primary drug resistance in tuberculosis. Tizes R, et al.
JAMA 214:1887-8, 7 Dec 70
Comparison of the combination therapy of capreomycin. Ethionamide. Cycloserine with that of kanamycin. Ethionamide. Cycloserin in the retreatment of pulmonary tuberculosis. Kitamoto O, et al. Jap J Tuberc Chest Dis 16:1-13, Jul 70
Drug interaction: decreased serum concentrations of rifampicin when given with P.A.S. Boman G, et al.
Lancet 1:800, 17 Apr 71
Ethambutol and viomycin. Pyle MM.
Med Clin North Am 54:1317-27, Sep 70 (24 ref.)
Tuberculosis care--1971. Patient population and treatment choices. Kelly HB.
Nurs Outlook 19:541-2, Aug 71
Results of treatment with ethambutol and capreomycin in chronic pulmonary tuberculosis. Kozakow H, et al.
Pol Med J 9:876-85, 1970
Mental disorders caused by isonicotinic acid hydrazide (INH) in the course of treatment of pulmonary tuberculosis. Wasik A. Pol Med J 9:1498-503, 1970
Advances in the treatment of respiratory tuberculosis. Fox W. Practitioner 205:502-13, Oct 70 (36 ref.)
Tuberculous infection. Mitchison DA.
Proc R Soc Med 64:537-40, May 71
A comparative trial with combinations of rifampicin, ethambutol and isoniazid (Hydronsan) in previously untreated cases of pulmonary tuberculosis. Dormer BA, et al. S Afr Med J 45:697-9, 26 Jun 71
Ethambutol in the treatment of patients with chronic pulmonary tuberculosis. Müelenaere MG de, et al.
S Afr Med J 45:171-4, 13 Feb 71
Capreomycin and ethambutol in pulmonary tuberculosis. A preliminary report. Repo UK, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:72-5, 1970
Relapse of tuberculosis in relation to previous treatment. Sellergren TL.
Scand J Resp Dis [Suppl] 72:Suppl 72:76+, 1970
Medical and social aspects of chronic pulmonary tuberculosis in Finland. Tani P.
Scand J Resp Dis [Suppl] 72:Suppl 72:93+, 1970
Rifampicin in the treatment of resistant pulmonary tuberculosis. Wäre M, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:113+, 1970
Ethambutol: a review with special reference to ocular toxicity. Citron KM.
Tubercle 50:Suppl:33-6, Mar 69 (14 ref.)
Treatment of patients with drug-resistance in economically developed countries. Crofton J.
Tubercle 50:Suppl:65-8, Mar 69
A double-blind study to determine the maximum tolerated dose of ethionamide, when administered twice-weekly to patients with pulmonary tuberculosis. Devadatta S, et al.
Tubercle 51:263-9, Sep 70
Intermittent chemotherapy with three drugs in the treatment of pulmonary tuberculosis. Doyle JA, et al.
Tubercle 51:397-402, Dec 70
Experimental "in vivo" studies of new antituberculosis drugs: capreomycin, ethambutol, rifampicin. Grumbach F. Tubercle 50:Suppl:12-21, Mar 69
Treatment with capreomycin, with special reference to toxic effects. Hesling CM.
Tubercle 50:Suppl:39-41, Mar 69
The use of ethambutol in clinical practice. Jančik E.
Tubercle 50:Suppl:52-4, Mar 69
Ethambutol in the treatment of 26 patients with chronic active pulmonary tuberculosis. Jesiotr M.
Tubercle 50:Suppl:54-5, Mar 69
The therapy of pulmonary tuberculosis in Kenya: a comparison of the results achieved in controlled clinical trials with those achieved by the routine treatment services. Kent PW, et al.
Tubercle 51:24-38, Mar 70
A two-year follow-up of 181 sputum-positive tuberculosis patients treated in Gateshead between 1961 and 1966. Pande BR, et al.
Tubercle 51:39-43, Mar 70
Preliminary results with rifampicin in the treatment of drug-resistant tuberculosis. Pines A.
Tubercle 50:Suppl:50-2, Mar 69
Twice-weekly streptomycin plus isoniazid for tuberculosis. Stradling P, et al.
Tubercle 51:44-7, Mar 70
Late results in re-treatment of patients with pulmonary tuberculosis. Zierski M, et al. Tubercle 51:172-7, Jun 70
Capreomycin and other drugs in the treatment of pulmonary tuberculosis. Zierski M.
Tubercle 50:Suppl:37-9, Mar 69
Isoniazid with thiacetazone (thioacetazone) in the treatment of pulmonary tuberculosis in East Africa--fifth investigation. A co-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils. Tubercle 51:123-51, Jun 70
Streptomycin plus pyrazinamide in the retreatment of pulmonary tuberculosis--second report. A co-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils.
Tubercle 51:359-74, Dec 70
Isoniazid with thiacetazone (thioacetazone) in the treatment of pulmonary tuberculosis in East Africa--second report of fifth investigation. Aco-operative study in East African hospitals, clinics and laboratories with the collaboration of the East African and British Medical Research Councils.
Tubercle 51:353-8, Dec 70
Sensitivity tests. Tubercle 51:103-5, Mar 70
A controlled clinical trial of the role of thiacetazone-containing regimens in the treatment of pulmonary tuberculosis in Singapore. Singapore Tuberculosis Services-Brompton Hospital-British Medical Research Council Investigation.
Tubercle 52:88-116, Jun 71
Emergence of drug resistant organisms in pulmonary tuberculosis. Chun YE, et al.
W Va Med J 67:31-4, Feb 71
[Effectiveness and problems of the treatment of tuberculosis under the environmental conditions of an underdeveloped country] Henneghien C, et al.
Acta Tuberc Pneumol Belg 60:821-32, 1969 (Fre)
[Must duration of treatment of tuberculosis be modified since utilization of rifampicine? Is prolonged rest always necessary?] Despierres G, et al.
Lyon Med 224:397-400, 25 Oct 70 (Fre)
[Tuberculosis and work. Treatment from a distance] Burzoni JF, et al.
Maroc Med 538:533-6, Aug-Sep 70 (Fre)
[Indications and results of long term corticotherapy in phthisiology] Liepmann R.
Maroc Med 49:516-8, Aug-Sep 69 (Fre)
[Study of blood nicotinamide during anti-tuberculous treatment] Dumon JF, et al.
Mars Med 107:759-64, 1970 (Fre)
[Bacteriological efficacy of the treatment with Rifampicin (57 cases)] Taranger J, et al.
Mars Med 107:837-8, 1970 (Fre)
[Contribution of the new antibiotics to phthisiological therapy] Perret, et al.
Rev Corps Sante Armees 12:41-55, Feb 71 (Fre)
[Study of a group of patients treated with rifampicin for more than a year] Albarède JL, et al.
Rev Tuberc Pneumol (Paris) 34:683-8, Jul-Aug 70 (Fre)
[Results of routine treatment of pulmonary tuberculosis patients treated for the 1st time] Bernard E, et al.
Rev Tuberc Pneumol (Paris) 33:967-74, Nov 69 (Fre)
[Our region's possibilities in the ambulatory treatment of pulmonary tuberculosis with the biweekly administration of a perfused triple combination of isoniazid, streptomycin and PAS] Burghard G, et al.
Rev Tuberc Pneumol (Paris) 34:662-3, Jul-Aug 70 (Fre)
[Effectiveness and possibilities of application to ambulatory patients in our region of a pulmonary tuberculosis therapy by the intermittent administration (I.V.) of the triple association isoniazid-streptomycin-PAS (preliminary results after a year)] Burghard G, et al.
Rev Tuberc Pneumol (Paris) 34:439-53, Apr-May 70 (Fre)
[Comparative study of the development of rifomycin blood levels in humans by 2 different microbiologic methods] Canetti G, et al.
Rev Tuberc Pneumol (Paris) 34:93-106, 1970 (Fre)
[Intermittent chemotherapy of pulmonary tuberculosis. Results obtained in Algiers in patients followed for 1 to 5 years] Chaulet P, et al.
Rev Tuberc Pneumol (Paris) 34:666-8, Jul-Aug 70 (Fre)
[Bacteriologic negation and anatomic development in pulmonary specimens after rifampicin treatment of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

less than 10 months (10 cases)] Constans P, et al. Rev Tuberc Pneumol (Paris) 34:511-8, Jun 70 (Fre)

[Results of treatment with rifampicin-isoniazid in 100 tubercular patients with sensitive bacilli a 6 to 24 month controlled experiment] Coury C, et al. Rev Tuberc Pneumol (Paris) 34:688-97, Jul-Aug 70 (Fre)

[Comparative study of the treatment of pulmonary tuberculosis by a combination of rifampicin and isoniazid administered daily and twice weekly for a year] Decroix G, et al. Rev Tuberc Pneumol (Paris) 35:39-54, Jan-Feb 71 (Fre)

[Rifampicin in treatment of gangliopulmonary forms of initial tuberculosis in young infants and children] Dieu JC, et al. Rev Tuberc Pneumol (Paris) 34:320-31, Mar 70 (Fre)

[Rifampicin, isoniazid (and streptomycin). (therapeutic results in primary complex pulmonary tuberculosis)] Fréour P, et al. Rev Tuberc Pneumol (Paris) 34:698-706, Jul-Aug 70 (Fre)

[Recent drugs in the treatment of primary tuberculosis] Gerbeaux J, et al. Rev Tuberc Pneumol (Paris) 35:315-25, Apr-May 71 (Fre)

[Study of ethambutol in a sanatorium. Study on 120 cases] Germain J, et al. Rev Tuberc Pneumol (Paris) 32:106-15, Jan-Feb 68 (Fre)

[One-year experience with severe tuberculosis treated with rifampicin] Gharbi B el, et al. Rev Tuberc Pneumol (Paris) 34:707-8, Jul-Aug 70 (Fre)

[Perseverance of tuberculotic patients under ambulatory antibiotic therapy (statistical study of a provincial antitubercular dispensary in Morocco] Henneghien C, et al. Rev Tuberc Pneumol (Paris) 32:573-4, Jun 68 (Fre)

[Treatment of 100 pulmonary tubercular patients whose bacilli are resistant to streptomycin, isoniazid and ethionamid, with a combination of rifampicin and ethambutol. Comparison between 2 dosages of rifampicin (weekly treatment for 4 months, biweekly for 8 months after)] Hétrick G, et al. Rev Tuberc Pneumol (Paris) 34:715-6, Jul-Aug 70 (Fre)

[Survival of tuberculous bacilli in combined treatments including rifampicin] Kreis B, et al. Rev Tuberc Pneumol (Paris) 34:429-33, Apr-May 70 (Fre)

[Intermittent treatment of "intractable chronic tuberculosis" by combined rifampicin-ethambutol: preliminary results of a controlled survey made in Algeria] Larbaoui D, et al. Rev Tuberc Pneumol (Paris) 34:559-66, Jun 70 (Fre)

[Biweekly treatment of pulmonary tuberculosis with isoniazid and streptomycin, with or without initial continuous phase. Results obtained in Algiers] Larbaoui D, et al. Rev Tuberc Pneumol (Paris) 32:572-3, Jun 68 (Fre)

[Transaminase variation before and during rifampicin treatment of tuberculosis] Lévi-Valensi P, et al. Rev Tuberc Pneumol (Paris) 34:422-8, Apr-May 70 (Fre)

[Note on the clinical trial of ethambutol in sanatorial practice] Martin-Leiande J, et al. Rev Tuberc Pneumol (Paris) 32:116-8, Jan-Feb 68 (Fre)

[Clinical trial of combined prothionamide-ethambutol in treatment of common pulmonary tuberculosis (40 cases)] Miguères J, et al. Rev Tuberc Pneumol (Paris) 34:184-92, 1970 (Fre)

[Anatomo-bacteriological criteria of the effect of rifampicin in the treatment of pulmonary tuberculosis] Morère P, et al. Rev Tuberc Pneumol (Paris) 34:714, Jul-Aug 70 (Fre)

[Anatomic and bacteriologic testing of rifampicin effectiveness in treatment of pulmonary tuberculosis] Morère P, et al. Rev Tuberc Pneumol (Paris) 34:434-8, Apr-May 70 (Fre)

[Epidemiology of jaundice in phthisiology department: responsibility of rifampicin] Oury M, et al. Rev Tuberc Pneumol (Paris) 34:415-22, Apr-May 70 (Fre)

[Treatment of intractable pulmonary tuberculosis: place of capreomycin in therapeutic programs with rifampicin and ethambutol] Oury M, et al. Rev Tuberc Pneumol (Paris) 34:519-30, Jun 70 (Fre)

[Bacteriological evolution established in 406 tuberculosis patients treated with various combinations with or without rifampicin or INH] Parrot R, et al. Rev Tuberc Pneumol (Paris) 34:709-13, Jul-Aug 70 (Fre)

[Serum rifampicin levels during low doses (300 mg per day)] Rautlin de la Roy Y de, et al. Rev Tuberc Pneumol (Paris) 35:342-50, Apr-May 71 (Fre)

[Risk of relapse in pulmonary tuberculosis treated with antibiotherapy: survey conducted after a delay of over 12 years] Vidal J. Rev Tuberc Pneumol (Paris) 34:181-3, 1970 (Fre)

[Place of ethambutol associated with isoniazid or with rifampicin in the treatment of pulmonary tuberculosis] Lesobre R, et al. Therapeutique 47:387-90, Apr 71 (Fre)

[Intermittent chemotherapy of pulmonary tuberculosis] Fox W. Dtsch Med J 22:22-7, 5 Jan 71 (Ger)

[Internal medicine treatment of pulmonary tuberculosis] Schaich W. Med Klin 65:1553-8, 4 Sep 70 (Ger)

[Therapy and evolutionary development of tuberculosis] Sighart H. Pneumonologie 143:240-7, 1970 (Ger)

[Determination of adequate drug combinations in the treatment of cavernous tuberculosis] Seri I. Prax Pneumol 25:211-9, Apr 71 (Ger)

[Results of initial treatment of pulmonary tuberculosis using ethambutol, isonicotinic acid hydraxide and rifampicin] Keszteie V, et al. Wien Med Wochenschr 120:473-5, 20 Jun 70 (Ger)

[Results of a 3-year 2-phase treatment of contagious pulmonary tuberculosis in the Teterow district] Bauer U. Z Erkr Atmungsorgane 133:423-6, Dec 70 (Ger)

[Action and adverse effects of a single and divided administration of a daily dose of antitubercular agent] Bethge W. Z Erkr Atmungsorgane 133:426-33, Dec 70 (Ger)

[The incidence of primary and secondary drug resistance in pulmonary tuberculosis among the patients of Bad Berka Central Hospital during 1964--1968 and its effect on therapeutic results] Bohnstedt B. Z Erkr Atmungsorgane 134:185-95, 1971 (Ger)

[Report on the research project, "Chemotherapeutic Study"] Cramer G. Z Erkr Atmungsorgane 133:418-23, Dec 70 (Ger)

[Ethambutol--tolerance and side effects] Dücker I, et al. Z Erkr Atmungsorgane 134:169-75, 1971 (Ger)

[Current status of chemotherapy of pulmonary tuberculosis and its further prospectives] Eule H. Z Erkr Atmungsorgane 134:313-53, 1971 (535 ref.) (Ger)

[Long-term results in endocavernous filling therapy] Friedel H, et al. Z Erkr Atmungsorgane 133:62-3, Dec 70 (Ger)

[Long-term results in patients with contagious pulmonary tuberculosis, which were released after stationary treatment] Grünes G. Z Erkr Atmungsorgane 133:43-6, Dec 70 (Ger)

[Rifomycin in repeated and primary treatment of extensive pulmonary tuberculosis] Gyselen A. Z Erkr Atmungsorgane 133:451-7, Dec 70 (Ger)

[Experimental studies on intermittent chemotherapy of tuberculosis] Krebs A. Z Erkr Atmungsorgane 133:411-8, Dec 70 (Ger)

[Value of controlled ambulatory and clinical treatment in just discovered,TbB-positive patients during the first treatment year, as the possibilities of sputum conversion] Krzyśko R, et al. Z Erkr Atmungsorgane 132:49-51, 1970 (Ger)

[The organization of continuously or intermittently controlled ambulatory care in the scope of the general and occupational polyclinics in the city of Poznan in the years 1966-67] Krzyśko R, et al. Z Erkr Atmungsorgane 132:199-202, 1970 (Ger)

[Our experiences with rifampicin and ethambutol in the treatment of pulmonary tuberculosis] Milutinović R, et al. Z Erkr Atmungsorgane 133:485-91, Dec 70 (Ger)

[Long-term results of endocavernous local treatment] Neef W. Z Erkr Atmungsorgane 133:69-72, Dec 70 (Ger)

[Results of treatment of pulmonary tuberculosis after 5 and 10 years] Zaumseil I. Z Erkr Atmungsorgane 133:47-54, Dec 70 (Ger)

[Late results in the treatment of chronic resistant pulmonary tuberculosis with tuberculostatics of the 2d series] Zierski M. Z Erkr Atmungsorgane 133:433-43, Dec 70 (Ger)

[Hearing damages in prolonged kanamycin therapy] Rempt E. Z Laryngol Rhinol Otol 49:504-9, Aug 70 (Ger)

[Rifampicin in the treatment of pulmonary tuberculosis] Daddi G, et al. Ann Ist Carlo Forlanini 29:3-16, 1969 (Ita)

[Therapy of human tuberculosis with capreomycin] De Simoni G. Ann Ist Carlo Forlanini 29:162-87, 1969 (Ita)

[Possibilities of regression, with conservative treatment, of tuberculous adenobronchial syndromes] Catena E, et al. Arch Monaldi 25:339-46, Sep-Oct 70 (Ita)

[Clinico-radiological results in 42 patients with pulmonary tuberculosis treated with Rifampicin] Lijoi N, et al. Arch Monaldi 25:201-34, May-Jun 70 (Ita)

[Problems and prospects of antitubercular chemotherapy at the present time] Nitti V. Arch Monaldi 25:115-26, Mar-Apr 70 (Ita)

[Changes in tubercular cavities in the course of treatment with Rifampicin] Marsico SA, et al. Arch Tisiol Mal Appar Resp 24:975-80, Dec 69 (Ita)

[Activity of rifampicin in the treatment of pulmonary tuberculosis] Nitti V. Arch Tisiol Mal Appar Resp 24:453-93, Jun 69 (Ita)

[On a case of simple goiter in a tuberculous subject treated with para-aminosalicylic acid] De Sanctis G, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1433-8, 1968 (Ita)

[Optic neuritis caused by ethambutol (presentation of 2 clinical cases)] Maccari A, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:1531-6, 1968 (Ita)

[Objective evaluation of the activity of antitussive drugs in patients with chronic pulmonary tuberculosis] Bosisio E, et al. Farmaco [Prat] 26:256-64, Jun 71 (Ita)

[Treatment of chronic pulmonary tuberculosis with poly-chemotherapy, using reduced doses of drugs] Agazia L, et al. G Ital Mal Torace 23:281-8 passim, Nov-Dec 69 (Ita)

[Venous perfusion of ethambutol in the treatment of pulmonary tuberculosis] Bandini G, et al. G Ital Mal Torace 24:65-77, Mar-Apr 70 (Ita)

[3 years' experience in antimycobacterial therapy with ethambutol: clinical, radiological and bacteriological results] Cimino A, et al. G Ital Mal Torace 23:91-101, Mar-Apr 69 (Ita)

[Ethambutol in polyantimycobacterial therapy of the 1st patients admitted under the health insurance system. Results of one year's experience] D'Angelo G, et al. G Ital Mal Torace 23:209-16, Jul-Aug 69 (Ita)

[Current therapy of pulmonary tuberculosis associated with others diseases] Mariani B. G Ital Mal Torace 24:227-32 passim, Sep-Oct 69 (Ita)

[Ethambutol in endobronchial therapy of pulmonary tuberculosis (conclusive remarks)] Orlandi O, et al. G Ital Mal Torace 23:201-7, Jul-Aug 69 (Ita)

[Easy handling of tirizidone in the therapy of pulmonary tuberculosis in sanatoria] Ricci S, et al. G Ital Mal Torace 24:65-6 passim, Mar-Apr 70 (Ita)

[Clinical data on mucolytic therapy with acetylcysteine in tuberculosis] Concina E, et al. Minerva Med 62:341-9, 27 Jan 71 (Ita)

[Recent progress in chemotherapy of tuberculosis] Fegiz G. Policlinico [Prat] 76:573-83, 5 May 69 (Ita)

[Viral hepatitis in pulmonary tuberculosis treated with polychemo-antibiotico-therapy. Preliminary note] Mancuso GP, et al. Rass Int Clin Ter 51:836-9, 15 Jul 71 (Ita)

[Ambulatory treatment of pulmonary tuberculosis] Citron KM. Recent Progr Med (Roma) 49:98-106, Jul 70 (Ita)

[Effect of INH on utuberculous pulmonary lesion and the mechanism of its action] Ch H. Bull Chest Dis Res Inst Kyoto Univ 3:73-88, Sep 69 (Jap)

[Evaluation of initial combined chemotherapy with SM, INH and EB for pulmonary tuberculosis. 2. Comparison of SM, EB and INH regimen with that of SM, PAS and INH for experimental tuberculosis of mice] Makiyama H. Kekkaku 46:393-8, Aug 71 (Jap)

[The effect of chemotherapy for originally treated cavitary tuberculosis patients with positive sputum observed for two years] Yamamoto M, et al. Kekkaku 46:5-11, Jan 71 (Jap)

[Factors relating to the incidence of drug resistance for anti-tuberculosis drugs during chemotherapy. Relationship between the incidence of drug resistance and the course of original treatment] Yamamoto M, et al. Kekkaku 46:191-5, Jun 71 (Jap)

[[Comparative studies on therapeutic effects of SM.INH.PAS, SM.INH.PAS.EB twice weekly, and SM.INH.PAS.EB daily in original treatment cases of pulmonary tuberculosis] Kekkaku 46:325-33, Aug 71 (Jap)

[Residual pulmonary lesions following primary tuberculosis in children under the age of 4 and treated with chemotherapy] Krukowska H, et al. Gruzlica 39:215-20, 1971 (Pol)

[Levels of isonicotinic acid amide in patients with pulmonary tuberculosis treated with isonicotinic acid hydrazide and ethionamide] Sosnowski W, et al. Gruzlica 38:1069-95, Oct 70 (Pol)

[Secondary drug sensitivity of tubercle bacilli in chronic sputum-positive tuberculosis patients] Telejko Z. Gruzlica 38:1101-4, Oct 70 (Pol)

[Diagnostic value of the blood protein level in assessment of the therapeutic results of pulmonary tuberculosis] Turczynowski R, et al. Gruzlica 38:1097-100, Oct 70 (Pol)

[Analysis of chemotherapy with 2d line drugs in patients with chronic fibro-cavernous pulmonary tuberculosis] Warm S. Gruzlica 39:201-7, 1971 (Pol)

[Primary resistance to major antitubercular drugs in patients with recently discovered pulmonary tuberculosis in the yea.s 1961-1969] Zdańczyk-Pawelek H, et al. Gruzlica 39:89-93, Feb 71 (Pol)

[Case of isolated lesion of the vestibular apparatus in a patient with pulmonary tuberculosis treated with streptomycin] Obara K. Otolaryngol Pol 25:109-11, 1971 (Pol)

[Early results of Ethambutol treatment of 28 patients with pulmonary tuberculosis] Myszkowska H, et al. Pol Tyg Lek 26:271-3, 22 Feb 71 (Pol)

[Diphasic treatment of pulmonary tuberculosis in children using rifamycin, ethambutol and isoniazid]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bethlem N, et al.
Hospital (Rio de J) 78:35-48, Jul 70 (Por)
[Therapeutic results in probably sensitive patients without previous treatment in the Alberto Cavalcanti Sanatorium] Ibáñez FR.
Rev Bras Med 27:496-7, Oct 70 (Por)
[Therapeutic results in a further group of patients found to be carriers of resistant Koch bacilli] Radu SC, et al.
Rev Med Chir Soc Med Nat Iasi 75:55-9, Jan-Mar 71 (Rum)
[Study of some rifampicin and ethambutol resistant strains of Mycobacteria isolated in the vicinity of the district of Jassy] Timoşca S, et al.
Rev Med Chir Soc Med Nat Iasi 75:119-25, Jan-Mar 71 (Rum)
[Kanamycin and florimycin in the clinical course of pulmonary tuberculosis] Bialik IB.
Antibiotiki 16:184-8, Feb 71 (Rus)
[Effect of pentoxyl on the effectiveness of antibacterial agents in the treatment of pulmonary tuberculosis] Garbuz VM.
Antibiotiki 16:359-61, 1971 (Rus)
[Effect of hormonal therapy of prednisolone and insulin on the dynamics of penetration of streptomycin through the barrier of inflammed tissue in pulmonary tuberculosis] Karachunskiĭ MA, et al.
Antibiotiki 15:904-8, Oct 70 (Rus)
[Comparative study of specific blood activity in patients with fibrous-cavernous pulmonary tuberculosis during administration of different combinations of antibacterial preparations] Mkrtchian SV, et al. Antibiotiki 15:955-7, Oct 70 (Rus)
[Restoration of drug sensitivity in Mycobacterium tuberculosis to streptomycin and isoniazid during treatment with preparations of the 1st series] Rudof NM, et al. Antibiotiki 15:355-7, Apr 70 (Rus)
[Changes in the bioelectric activity of the brain in patients with pulmonary tuberculosis during intolerance cycloserine] Shmelev NA, et al.
Antibiotiki 15:1130-5, Dec 70 (Rus)
[Ganglionic blockade in surgery of pulmonary tuberculosis] Rumiantsev VB.
Grudn Khir 12:76-81, Jul-Aug 70 (Rus)
[3 cases of severe acute tubazid poisoning] Danilovskiĭ IuP, et al. Klin Med (Mosk) 48:106-7, Dec 70 (Rus)
[Development of agranulocytosis in long-term treatment of tuberculosis with Ethoxyd in combination with other antitubercular agents] Gol'dberg AS, et al.
Klin Med (Mosk) 48:43-7, Dec 70 (Rus)
[A case of agranulocytosis caused by ethoxyd] Katsian IaD. Klin Med (Mosk) 48:108, Dec 70 (Rus)
[Tolerance of antitubercular drugs in their administration in a single daily dose] Oliferovskaia RP. Klin Med (Mosk) 48:40-3, Dec 70 (Rus)
[New antitubercular preparations rifampicin and ethambutol] Utkin VV, et al.
Klin Med (Mosk) 49:39-45, Apr 71 (Rus)
[Clinical value of determining Mycobacterium tuberculosis in sputum and bronchial washings] Rudof NM, et al. Lab Delo 10:614-8, 1970 (Rus)
[Treatment of patients with pulmonary tuberculosis in the city of Kampala (Uganda)] Boboreko ET.
Probl Tuberk 48:62-5, 1970 (Rus)
[Comparative findings from various approaches of treating infiltrative and cavernous pulmonary tuberculosis in rabbits] Bondarev IM, et al.
Probl Tuberk 49:47-52, 1971 (Rus)
[Primary drug resistance of Mycobacterium tuberculosis in pulmonary tuberculosis] Egorova NG, et al. Probl Tuberk 49:56-8, 1971 (Rus)
[Allergy to tuberculostatic preparations] Firsova LP.
Probl Tuberk 48:57-60, 1970 (Rus)
[Intermittent chemotherapy fresh cases of pulmonary tuberculosis in a sanatorium] Gunich LA.
Probl Tuberk 48:43-6, 1970 (Rus)
[Level of isoniazid in fluid biological media in aged patients with pulmonary tuberculosis complex antibacterial therapy] Ibragimova RIu.
Probl Tuberk 48:38-9, 1970 (Rus)
[Blood concentration of basic tuberculostatic preparations with single administration of daily doses in pulmonary tuberculosis] Kanevskaia SS.
Probl Tuberk 48:54-8, 1970 (Rus)
[Effect of single ingestion of a daily dose of cycloserine on the bioelectric activity of the cerebral cortex in children] Kirina EA, et al.
Probl Tuberk 48:44-8, 1970 (Rus)
[Electrophoresis of therapeutic preparations in the clinical treatment of pulmonary tuberculosis] Kolesnikova IS, et al. Probl Tuberk 48:56-9, 1970 (Rus)
[Use of calcium lactate in the treatment of hemoptysis and pulmonary hemorrhage in tuberculosis patients] Lozinskiĭ LIa. Probl Tuberk 48:75-6, 1970 (Rus)
[Experience in intravenous chemotherapy in the Vashkovtsy region antituberculer dispensary] Malko-Skroz' VP. Probl Tuberk 48:87-8, 1970 (Rus)
[Experience in the use of Ethambutol in patients with chronic cavernous pulmonary tuberculosis] Mamolat AS. Probl Tuberk 48:18-21, 1970 (Rus)
[Organization of ambulatory treatment of patients with pulmonary tuberculosis] Oliferovskaia RP.
Probl Tuberk 48:12-6, 1970 (Rus)
[State of the cardiovascular system during antibacterial therapy of newly diagnosed pulmonary tuberculosis] Platnochka IT.
Probl Tuberk 48:61-3, 1970 (Rus)
[Use of pyridoxine and nicotinic acid in the complex therapy of pulmonary tuberculosis] Popov GD, et al.
Probl Tuberk 48:29-33, 1970 (Rus)
[Clinical experience in the single administration of daily doses of chemical preparations] Pozdniakova EI, et al. Probl Tuberk 48:89-90, 1970 (Rus)
[Results of treatment of chronic destructive pulmonary tuberculosis with reserve tuberculostatic preparations including some new preparations] Rabukhin AE, et al. Probl Tuberk 48:18-22, 1970 (Rus)
[Effect of intravenous administration of 1st series preparations on blood coagulation in pulmonary and renal tuberculosis] Radkevich RA, et al.
Probl Tuberk 48:31-5, 1970 (Rus)
[Treatment of patients with pulmonary tuberculosis with the use of differentiated single doses of Tubazid] Smirnov GA, et al. Probl Tuberk 48:24-9, 1970 (Rus)
[The importance of organization and methods of treatment of pulmonary tuberculosis in children and adolescents in order to prevent chronic forms] Starozhinskaia TA, et al.
Probl Tuberk 49:7-10, 1971 (Rus)
[Treatment of patients with pulmonary tuberculosis with intravenous infusion of ethionamide] Utkin VV, et al. Probl Tuberk 48:86-7, 1970 (Rus)
[Ethionamide and cycloserine in the treatment of middle-aged and aged patients with pulmonary tuberculosis] Vasil'eva IR, et al.
Probl Tuberk 48:21-4, 1970 (Rus)
[Errors in testing the INH content in the organism] Vilenskaia RN. Probl Tuberk 48:77-80, 1970 (Rus)
[Treatment of patients with pulmonary tuberculosis with intravenous administration of pasomycin] Volkon VM. Probl Tuberk 48:40-4, 1970 (Rus)
[Acute agranulocytosis in a pregnant woman treated for pulmonary tuberculosis] Livandovskiĭ IuA, et al.
Sov Med 32:150-1, Sep 69 (Rus)
[Side reactions, drug intolerance in antibacterial therapy and the state of the enzyme system, vascular permeability in patients with pulmonary tuberculosis] Fuks PM, et al.
Sov Zdravookhr Kirg 3:18-21, May-Jun 70 (Rus)
[Effect of cycloserine, ethionamide, and ethoxyd on liver function in pulmonary tuberculosis] Baĭl'dinova IM. Ter Arkh 43:101-4, Jan 71 (Rus)
[Blood concentration of PAS with different doses and methods of administration] Korotaev GA, et al.
Ter Arkh 43:37-40, Jan 71 (Rus)
[Intravenous chemotherapy of pulmonary tuberculosis] Ivaniuta OM.
Vrach Delo 84-7, Jan 71 (Rus)
[Use of hydrocodon phosphate tablets with expectorants in the treatment of pulmonary tuberculosis] Ladnyĭ AIa, et al.
Vrach Delo 87-90, Jan 71 (Rus)
[Organization and efficacy of controlled chemotherapy of patients with active tuberculosis] Girin DV, et al. Zdravookhr Ross Fed 15:34-6, Feb 71 (Rus)
[Isofetil in personal clinical practice. N,N-di-(para-isopentyloxyphenyl) thiocarbamide] Mančeva-Koseva S, et al.
God Zb Med Fak Skopje 16:561-7, 1970 (Ser)
[Preliminary report on the results of retreatment with rifomycin AMP and ethambutol] Ibarra JP, et al.
Hoja Tisiol 26:113-26, 1969 (Spa)
[Bases and future of intermittent treatment in tuberculosis] Minoprio JL.
Prensa Med Argent 58:352-8, 16 Apr 71 (Spa)
[Medical therapy of tuberculosis] Gonzalez-Vidarte CZ.
Rev Sanid Hig Publica (Madr) 45:115-88, Feb 71 (Spa)
[The bacteriostatic activity of blood and lung tissue of tuberculosis patients following intramuscular administration of streptomycin] Mordovs'kof GG. Mikrobiol Zh 32:122-4, Jan-Feb 70 (Ukr)
[Glucocorticoids in the complex therapy of tuberculosis in children] Nadraga VM, et al.
Pediatr Akush Ginekol 2:26-7, 1971 (Ukr)
[Use of drugs of secondary group in complex therapy of children with chronic tuberculosis] Rushchak VA.
Pediatr Akush Ginekol 2:24-5, 1971 (Ukr)
[Unusual clinical course of tuberculosis in an alcoholic] Vukosavljević E. Med Glas 24:129-33, Mar 70 (Cro)
[Supervision in the chemotherapy of tuberculosis] Bignall JR.
Plucne Bolesti Tuberk 22:310-4, Oct-Dec 70 (Cro)
[Pulmonary tuberculosis and pregnancy] Coseva-Mančeva S.
Plucne Bolesti Tuberk 22:270-5, Jul-Sep 70 (Cro)
[Personal first experiences with ethambutol] Dolen D, et al. Plucne Bolesti Tuberk 22:257-9, Jul-Sep 70 (Cro)

ENZYMOLOGY

Serum alkaline phosphatase in pulmonary tuberculosis in Rajasthan. Maitrya BB, et al.
Indian J Chest Dis 12:83-5, Jan-Apr 70
False elevation of serum aspartate aminotransferase in patients with pulmonary tuberculosis during administration of sodium aminosalicylate. Hood J, et al. Tubercle 51:313-5, Sep 70
[Microspectrophotometric study of acid phosphatase activity in human neutrophils under normal conditions and in tuberculosis] Fradkin VA, et al.
Arkh Patol 32:73-6, 1970 (Rus)
[Glutaminase activity and intensity of glutamine metabolism in the lungs and lymph nodes in tuberculosis] Dudchik GKh.
Probl Tuberk 48:54-8, 1970 (Rus)
[Enzyme reactions in the lungs of rabbits with tuberculous inflammation] El'shanskaia MP.
Probl Tuberk 49:72-6, 1971 (Rus)
[Cytochemical study of the blood neutrophil peroxidases in tuberculosis of the lungs and tracheobronchial lymph nodes] Godes IuE.
Probl Tuberk 49:32-7, 1971 (Rus)
[Blood serum enzymes during drug intolerance in pulmonary tuberculosis] Alimov ShA, et al.
Vopr Med Khim 16:583-7, Nov-Dec 70 (Rus)
[Hyaluronidase activity and hyaluronic acid in pregnant women and parturients with pulmonary tuberculosis] Timoshenko LV, et al.
Pediatr Akush Ginekol 6:44-7, 1970 (Ukr)

ETIOLOGY

Pulmonary tuberculosis due to B.C.G. Marks J, et al.
Br Med J 3:229-30, 24 Jul 71
[Incidence of chronic pulmonary tuberculosis in autopsies of diabetic patients in comparison to non-diabetic patients] Zrůstová M, et al.
Vnitr Lek 17:534-6, Jun 71 (Cze)
[Incidence and interpretation of lymphogenic bronchial lesions during the last 20 years] Schwartz P.
Bronches 20:284-7, Jul-Aug 70 (Fre)
[Clinical problems of the syntropy of pulmonary tuberculosis and stomach resection] Kühn RA, et al.
Z Gesamte Inn Med 26:265-8, 15 Apr 71 (Ger)
[A case of tuberculosis caused by atypical mycobacteria identified as Mycobacterium chitae] Chwalibóg B, et al. Gruzlica 39:57-60, 1971 (Pol)
[Risk of development of tuberculous lesions in the lungs following treatment of tuberculous pleural effusion] Telejko Z. Gruzlica 39:209-13, 1971 (Pol)
[Pulmonary tuberculosis caused by a mycobacterium of an avian type] Il'ina TB, et al.
Probl Tuberk 48:81-2, 1970 (Rus)
[Development of pulmonary tuberculosis after recovery from exudative pleurisy during antibacterial therapy] Gortsunian DK.
Zh Eksp Klin Med 8:88-91, 1968 (Rus)

HISTORY

Climatic treatment of tuberculosis, 1864.
Bull NY Acad Med 47:325-6, Mar 71
[25 years of phthisiatrics in Zakopane] Talewski R.
Gruzlica 38:1023-8, Oct 70 (Pol)

IMMUNOLOGY

Host-parasite relationships in experimental airborne tuberculosis. IV. Early events in the course of infection in vaccinated and nonvaccinated guinea pigs. Smith DW, et al.
Am Rev Resp Dis 102:937-49, Dec 70
Serum immunoglobulins in pulmonary tuberculosis. Alarcón-Segovia D, et al. Chest 60:133-6, Aug 71
The loss of tuberculin sensitivity in certain patients with active pulmonary tuberculosis. Howard WL, et al. Chest 57:530-4, Jun 70
Auto-antibodies in patients with chronic pulmonary tuberculosis. Thewaini Ali AJ.
J Med Microbiol 2:566-70, 4 Nov 69
Specific and nonspecific stimulation of resistance in mice against infection with Mycobacterium tuberculosis H37Rv. Ribi E, et al.
Pneumonologie 142:264-73, 1970
Skin reactivity of human subjects to a polysaccharide component of BCG culture filtrates. Root RK, et al.
Proc Soc Exp Biol Med 136:403-6, Feb 71
[Tuberculin and candidin hypersensitivity in coal miners. Comparative study of a control group of healthy subjects and a group of pulmonary tuberculosis patients (apropos of 500 cases)] Vidal J, et al.
Rev Tuberc Pneumol (Paris) 32:507-26, Jun 68 (Fre)
[Thymidine-H3 labeled lymphocyte transformation in vitro in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon N, et al.
G Ital Dermatol 46:178-86, Apr 71 (Ger)
[Behavior of immunoglobulins in pulmonary tuberculosis] Kindler U, et al.
Prax Pneumol 24:221-4, Apr 70 (Ger)
[H3-thymidine labelled in vitro lymphocyte transformation in pulmonary and cutaneous tuberculosis and sarcoidosis] Simon M, et al.
Orv Hetil 111:2463-7, 11 Oct 70 (Hun)
[Clinical significance of precipitins against tubercle bacilli in blood serum of tuberculous patients] Rowińska E, et al. Gruzlica 39:387-97, May 71 (Pol)
[Immunohistological mechanisms in lung tuberculosis. IV. Immunological activity of immunoglobulins produced in lung lymphoid infiltrations against M.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tuberculosis antigens] Nowosiawski A, et al.
Med Dosw Mikrobiol 23:85-9, 1971 (Pol)
[The lung in tuberculosis as an immunocompetent organ] Averbakh MM, et al.
Biull Eksp Biol Med 70:70-3, Aug 70 (Rus)
[Relative resistance to tuberculosis in various groups of adolescents] Shvartser IS.
Klin Med (Mosk) 48:24-7, Dec 70 (Rus)
[Determination of immunological cellular reactions in pulmonary tuberculosis by phagocytosis of mycobacteria of varying virulence] Khmelevskaia GA.
Lab Delo 10:601-5, 1970 (Rus)
[Passive tuberculin allergy studies in the newborn] Fradkin VA, et al. Probl Tuberk 49:41-4, 1971 (Rus)
[Autoleukocytolysis in pulmonary tuberculosis] Kitaev MI, et al. Probl Tuberk 48:52-6, 1970 (Rus)
[Utilization of the blast-transformation reaction of lymphocytes in detecting delayed allergy in patients with tuberculosis] Kogosova LS, et al.
Probl Tuberk 48:75-8, 1970 (Rus)
[Interrelations of specific and general immunological reactivity in pulmonary tuberculosis] Kunurkul'zhaev TB. Probl Tuberk 48:30-4, 1970 (Rus)
[Clinico-immunological studies of children at remote periods after treatment for tuberculosis] Lebedeva TG, et al. Probl Tuberk 48:49-53, 1970 (Rus)
[Prospects for the development of scientific research in phthisiology] Shmelev NA.
Probl Tuberk 49:20-4, 1971 (Rus)
[Comparative study on tuberculin sensitivity in pulmonary tuberculosis patients with standard PPD and tuberculins from other mycobacteria] Pérez JA, et al. Torax 19:85-8, Jun 70 (Spa)

METABOLISM

Basal metabolic rate in pulmonary tuberculosis. Yedurappa KG. Indian J Chest Dis 12:5-9, Jan-Apr 70
The significance of mucopolysaccharides in amyloid. Pras M, et al. J Histochem Cytochem 19:443-8, Jul 71
Histochemical studies of lipid and polysaccharide metabolism in the bronchial cartilage in tuberculous inflammatory process of the lungs. Berchev K. Nauchni Tr Vissh Med Inst Sofiia 49:63-70, 1970
[Enzymes and lipids in resected lungs of patients with tuberculosis and diabetes mellitus (histochemical study)] Lesnaia AA, et al.
Arkh Patol 32:37-43, 1970 (Rus)
[Biochemical aspect of the pathogenesis of infiltrative-pneumonic tuberculosis] Gur'eva IG.
Probl Tuberk 48:33-8, 1970 (Rus)
[Nuclease and blood serum protein fraction activity in patients with destructive forms of pulmonary tuberculosis] Izabolinskaia RM, et al.
Probl Tuberk 49:37-41, 1971 (Rus)

MICROBIOLOGY

The isolation of pathogenic fungi from sodium hydroxide-processed sputum specimens from patients suspected to have tuberculosis. Neimeister RP, et al. Am J Clin Pathol 56:201-3, Aug 71
Primary drug resistance: a continuing study of drug resistance in tuberculosis in a veteran population within the United States. IX. September 1969-September 1970. Hobby GL, et al.
Am Rev Resp Dis 103:842-4, Jun 71
Nonculturable acid-fast forms in the sputum of patients with tuberculosis and chronic pulmonary disease. Warring FC Jr, et al.
Am Rev Resp Dis 102:714-24, Nov 70
Bacillemia in primary tuberculosis. Smith DW.
Ann Intern Med 75:479-80, Sep 71
Mycobacterial diseases. Wiant JR.
Ariz Med 28:96-100, Feb 71
The virulence of M. tuberculosis isolated from tuberculosis patients in Bahia. Silveira J, et al.
Pneumonologie 142:308-11, 1970
Examination of multiple sputum specimens in a tuberculosis survey. Chandrasekhar P, et al.
Tubercle 51:255-62, Sep 70
Screening for atypical mycobacteria. Tsukamura M.
Tubercle 51:280-4, Sep 70
Quantitative bacteriology in the clinical testing of new antituberculosis drugs. Wallace AT.
Tubercle 50:Suppl:47-9, Mar 69
A study on the frequency of 'atypical' mycobacteria in Japanese National Sanatoria. Tubercle 51:270-9, Sep 70
[Comparision of laryngeal smear and a modified Petroff's method] Polínský F, et al.
Cesk Epidemiol Mikrobiol Imunol 20:43-7, Jan 71 (Cze)
[Study of 123 Staphylococcus strains accompanied by Koch's bacilla in tuberculosis patient expectorations] Safa F, et al. Bord Med 4:315-6 passim, Feb 71 (Fre)
[Initial bacteriological research in correct ambulatory treatment] Lepeuple A, et al.
Rev Tuberc Pneumol (Paris) 34:664-5, Jul-Aug 70 (Fre)
[Fluorescent microscopy of tuberculous bacillus] Parrot R, et al.
Rev Tuberc Pneumol (Paris) 34:257-80, Mar 70 (Fre)
[Nonculturable tuberculous bacilli observed by fluorescence microscopy (statistical study on 35,613 fluoroscopy cultures carried out in 4,480 pulmonary tuberculosis patients discharged from the sanatorium between January 1, 1965 and October 1, 1970)] Parrot R, et al.
Rev Tuberc Pneumol (Paris) 35:197-210, Mar 71 (Fre)
[Evaluation of the infectiousness of initially open pulmonary tuberculosis with reference to enforced isolation] Breu K.
Med Monatsschr 24:198-201, May 70 (Ger)
[Shortest incubation time in pulmonary tuberculosis?] Lydtin K.
Munch Med Wochenschr 113:1211-2, 10 Sep 71 (Ger)
[Discordant bacteria excretion in pulmonary tuberculosis] Brecke F, et al.
Prax Pneumol 24:732-5, Nov 70 (Ger)
[Clinical value of microbiological tests by means of repeated serial cultures during treatment and control of tuberculous patients] Marin I, et al.
Z Erkr Atmungsorgane 134:207-12, 1971 (Ger)
[Bronchopulmonary mycobacteriosis caused by Mycobacterium kansasii] Gimpl F, et al.
Orv Hetil 112:1404-7, 13 Jun 71 (Hun)
[Primary drug resistance of Mycobacterium tuberculosis isolated from untreated patients with pulmonary tuberculosis in Korea] Kim SC.
Kekkaku 46:165-71, May 71 (Jap)
[A new species Gordona aurantiaca occurring in sputa of patients with pulmonary disease] Tsukamura M, et al. Kekkaku 46:93-8, Apr 71 (Jap)
[Incidence of atypical tubercle bacilli in the diagnostic materials from patients with pulmonary tuberculisis] Chwalibóg B, et al. Gruzlica 39:95-101, Feb 71 (Pol)
[Reactivation of pulmonary tuberculosis and elimination of bacilli] Rudof NM, et al.
Klin Med (Mosk) 48:27-31, Dec 70 (Rus)
[Epidemiological significance of patients with active pulmonary tuberculosis not excreting Mycobacteria tuberculosis] Biagodarnyĭ IaA, et al.
Probl Tuberk 48:1-4, 1970 (Rus)
[Occurrence and clinical importance of drug resistance of Mycobacterium tuberculosis in patients with pulmonary tuberculosis] Kuznetsova EE.
Probl Tuberk 48:39-43, 1970 (Rus)
[Pulmonary tuberculosis caused by mycobacteria of Bovine type] Poletaev SD.
Probl Tuberk 48:38-41, 1970 (Rus)
[Epidemiological and clinical aspects of massive bacillary excretion in tuberculosis under modern conditions] Rudof NM, et al.
Probl Tuberk 48:8-13, 1970 (Rus)
[Characteristics of bacillary excretion in pulmonary tuberculosis with and without cavitations] Shaenko VP. Probl Tuberk 49:48-52, 1971 (Rus)
[Prospects for the development of scientific research in phthisiology] Shmelev NA.
Probl Tuberk 49:20-4, 1971 (Rus)

MORTALITY

Cause of death in pulmonary tuberculosis. Kapoor SC, et al. Indian J Chest Dis 12:52-7, Jan-Apr 70
The social importance of pulmonary carcinoma as compared with tuberculosis. Buraczewski O, et al.
Pol Med J 9:1149-58, 1970
The prognosis for different categories of tuberculosis patients. Iversen E.
Scand J Resp Dis [Suppl] 72:Suppl 72:61-6, 1970
[Frequency of tuberculosis based on autopsy studies] Schenk KE. Med Welt 50:2146-50, 12 Dec 70 (Ger)
[Morphologic analysis of thanatogenesis in patients with pulmonary tuberculosis (1961-1968)] Gorbachenko LA. Probl Tuberk 48:77-80, 1970 (Rus)
[Pulmonary tuberculosis patient mortality from malignant neoplasms] Refnval'd AA.
Vopr Onkol 16:82-3, 1970 (Rus)

NURSING

How I wanted to be treated. Barham VZ.
Nurs Outlook 19:48-9, Jan 71

OCCURRENCE

The reactivation of tuberculosis in New York City in 1967. Edsall J, et al.
Am Rev Resp Dis 102:725-36, Nov 70
Tuberculosis risk and marital status. Horwitz O.
Am Rev Resp Dis 104:22-31, Jul 71
Microscopy positive and microscopy negative cases of pulmonary tuberculosis. Narain R, et al.
Am Rev Resp Dis 103:761-73, Jun 71
Special groups in tuberculosis. Br Med J 1:3-4, 2 Jan 71
Cases of pulmonary tuberculosis among the out-patients attending general health institutions in an Indian city. Gothi GD, et al. Bull WHO 43:35-40, 1970
Tuberculosis in decline. Davies JC.
Cent Afr J Med 16:149-58, Jul 70
Tuberculosis casefinding by tuberculin testing among various age children with a discussion of some theoretical problems. Furcolow ML, et al.
Chest 59:618-28, Jun 71
Lower lung field tuberculosis in adults. Tripathy SN, et al. J Assoc Physicians India 18:999-1006, Dec 70
Tuberculosis outbreak in an Alabama High School. Darney PD, et al. JAMA 216:2117-8, 28 Jun 71
The price of freedom. Lancet 1:331, 13 Feb 71
Morbilli and tuberculosis in Greenland. Krebs Lange P.
Scand J Resp Dis 51:256-67, 1970
The frequency of postpleuritic tuberculosis. Heinivaara O, et al.
Scand J Resp Dis [Suppl] 72:Suppl 72:42-4, 1970
The risk of tuberculosis in different groups of the general population. Horwitz O.
Scand J Resp Dis [Suppl] 72:Suppl 72:59+, 1970
Pulmonary tuberculosis in elderly and aged patients. Strandgaard E.
Scand J Resp Dis [Suppl] 72:Suppl 72:83, 1970
Drug-resistant tuberculosis in Waltham forest, 1953-68. A clinical and epidemiological study. Francis RS.
Thorax 26:378-83, Jul 71
ABO blood groups and pulmonary tuberculosis. Jain RC. Tubercle 51:322-3, Sep 70
Tuberculosis in Kenya: a follow-up of a national sampling survey of drug resistance and other factors. An East African and British Medical Research Council co-operative investigation. Tubercle 51:1-23, Mar 70
[Incidence of pulmonary tuberculosis in a department of internal medicine of a district hospital] Sýkora O, et al. Vnitr Lek 17:660-4, Jul 71 (Cze)
[Current tuberculosis morbidity] Horwitz O, et al.
Ugeskr Laeger 132:2247-9, 19 Nov 70 (Dan)
[Tuberculosis incidence and marital status] Horwitz O.
Ugeskr Laeger 132:2249-54, 19 Nov 70 (Dan)
[The current development of tuberculosis situation in the nineteen seventies] Härö AS.
Duodecim 86:1214-22, 1970 (Fin)
[Evaluation of the number of patients with tuberculosis of the respiratory system diagnosed in Belgium in 1967 by physicians in private practice. Pilot study] Iversen C, et al.
Acta Tuberc Pneumol Belg 61:221-52, May-Aug 70 (Fre)
[Current state of primary tuberculosis in children in Rhone department] Gilly R, et al.
Ann Pediatr (Paris) 17:693-7, 2 Oct 70 (Fre)
[Primary infection of children of immigrant workers] Straus P, et al.
Ann Pediatr (Paris) 17:624-30, 2 Oct 70 (Fre)
["Significant fractions" of the epidemiologic indices of tuberculosis. Importance in analysis of the endemic situation] Bungetianu G, et al.
Arch Roum Pathol Exp Microbiol 28:703-13, Jun-Sep 69 (Fre)
[Pulmonary tuberculosis in senegal (anatomopathologic forms)] Abondo A, et al.
Bull Soc Med Afr Noire Lang Fr 16:1-10, 1971 (Fre)
[Tuberculosis morbidity in a national industry: results of detection] Charpin J, et al.
Rev Tuberc Pneumol (Paris) 34:567-73, Jun 70 (Fre)
[Problem of tuberculous superinfections in school populations vaccinated by B.C.G] Cheminat JC, et al.
Rev Tuberc Pneumol (Paris) 35:326-32, Apr-May 71 (Fre)
[Pulmonary tuberculosis in old age (occurrence, polymorphism, dangers)] Laval P, et al.
Rev Tuberc Pneumol (Paris) 35:332-41, Apr-May 71 (Fre)
[Pulmonary tuberculosis in aged patients: therapeutic methods and results (121 cases)] Petitjean R, et al.
Rev Tuberc Pneumol (Paris) 34:580-6, Jun 70 (Fre)
[Development of the impact of systematic screening on intake at a departmental tuberculosis center] Plane J, et al.
Rev Tuberc Pneumol (Paris) 34:646-7, Jul-Aug 70 (Fre)
[Current aspects of pulmonary tuberculosis detected at draft age] Roumagoux J, et al.
Rev Tuberc Pneumol (Paris) 34:332-41, Mar 70 (Fre)
[Foreign tuberculotics]
Rev Tuberc Pneumol (Paris) 34:1131-4, Dec 70 (Fre)
[200,000 tuberculosis patients needy of treatment] Dtsch Med Wochenschr 96:137, 15 Jan 71 (Ger)
[Modern methods of statistics and medical documentation] Lange F.
Oeff Gesundheitswes 33:Suppl 2:67-76, Jun 71 (Ger)
[Tuberculosis morbidity of BCG vaccinated children in Berlin-West 1962-1967] Munk B.
Oeff Gesundheitswes 33:199-206, Apr 71 (Ger)
[Evolutionary development of tuberculosis. Special aspects in childhood] Mittendorfer A.
Pneumonologie 143:253-9, 1970 (Ger)
[Evolutionary aspects of tuberculosis during a subsiding epidemic] Steinbrück P.
Pneumonologie 143:259-62, 1970 (Ger)
[Trends in the development of cervical lymph node tuberculosis] Becker P, et al.
Prax Pneumol 24:700-10, Nov 70 (Ger)
[The social importance of mass radiography in the present tuberculosis situation] Griesbach RM.
Prax Pneumol 25:77-97, Feb 71 (Ger)
[State of bacillary pulmonary tuberculosis in GDR] Masuhr H.
Z Erkr Atmungsorgane 133:18-27, Dec 70 (Ger)
[Fate of patients with contagious pulmonary tuberculosis diseased in the years 1957 and 1962; 10 or 5 years later] Masuhr H.
Z Erkr Atmungsorgane 133:59-61, Dec 70 (Ger)
[Tuberculosis among agricultural workers in Israel] Peker M. Harefuah 77:522-4, 1 Dec 69 (Heb)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Epidemiology of tuberculosis in Valle D'Aosta in the period between 1 March 1967 and 29 February 1968. Quantitative and qualitative findings] Laugeri S, et al. Lotta Tuberc 40:32-41, Jan-Mar 70 (Ita)
[The original processes of pulmonary tuberculosis in the aged. (Clinico-statistical notes)] Chiummariello A, et al. Rass Int Clin Ter 50:1343-7, 15 Nov 70 (Ita)
[The transition of tuberculous patients hospitalized during the past 5 years in Niigata-City--with special reference to the newly detected cavitary cases with positive sputum] Hashimoto T, et al. Kekkaku 45:367-73, Nov 70 (Jap)
[Use of data processing in a selective tuberculosis case-finding programme] Bjartveit K. Tidsskr Nor Laegeforen 91:859-62, 30 Apr 71 (Nor)
[Changing picture of tuberculosis during a decade] Tveit J. Tidsskr Nor Laegeforen 91:866-8, 30 Apr 71 (Nor)
[Some clinical data on patients with pulmonary tuberculosis treated at the Phtisiatric Clinic of the Lublin Medical Academy in 1955-1964] Mysakowska H, et al. Ann Univ Mariae Curie Sklodowska [Med] 24:221-35, 1969 (Pol)
[Pulmonary tuberculosis in the aged] Chaieb JA. Rev Bras Med 27:498-500, Oct 70 (Por)
[Aspects of pulmonary tuberculosis at puberty (age 11-14)] Bugilă-Corăbianu E, et al. Pediatria (Bucur) 20:53-60, Jan-Feb 71 (Rum)
[Problems of tuberculosis in children] Lupaşcu I. Pediatria (Bucur) 19:545-53, Nov-Dec 70 (Rum)
[Possible triennial periodicity in biological systems] Levin VR. Biofizika 14:199-201, Jan-Feb 69 (Rus)
[Tuberculosis in the middle-aged and aged--a current problem of modern phthisiology] Rabukhin AK. Klin Med (Mosk) 48:11-7, Dec 70 (Rus)
[Epidemiological significance of patients with active pulmonary tuberculosis not excreting Mycobacteria tuberculosis] Blagodarnyf IaA, et al. Probl Tuberk 48:1-4, 1970 (Rus)
[Differentiation of morbidity and outcome in the treatment of pulmonary tuberculosis] Fafvishemko EL, et al. Probl Tuberk 49:5-9, 1971 (Rus)
[Placement and disease incidence with temporary work disability in tuberculosis patients in the metallurgical industry] Golovin IA, et al. Probl Tuberk 48:4-8, 1970 (Rus)
[Conglomerative coniotuberculosis in Donbas coal miners] Gorodetskaia NL. Probl Tuberk 48:13-5, 1970 (Rus)
[Organizational and clinical characteristics of fluorographic studies of the population of the Crimean southern bank] Gulida MV, et al. Probl Tuberk 48:18-20, 1970 (Rus)
[Fluorographic detection of respiratory organ diseases and active pulmonary tuberculosis] Kolomiets TP, et al. Probl Tuberk 48:10-2, 1970 (Rus)
[Experience in the organization of fluorographic examination of the population in the Utenak district of the Lithuanian SSR] Shpukas GK. Probl Tuberk 48:5-6, 1970 (Rus)
[The aborigene of the Chaco] Arnedo CF, et al. Bol Of Sanit Panam 69:469-89, Dec 70 (Spa)
[Relapse in tuberculosis] Equioiz DL, et al. Rev Sanid Milit Argent 69:179-89, Jul-Dec 70 (Spa)

PATHOLOGY

[Immunomorphology of sensitization. VII. Effect of heterologous sensitization on the kinetics of experimental tuberculous inflammation] Eskenasy A, et al. Arch Roum Pathol Exp Microbiol 29:265-73, Mar-Jun 70 (Fre)
[Thoughts on pulmonary tuberculosis in the aged] Jarniou AP. Sem Hop Paris 47:1947-55, 26 Jun 71 (Fre)
[Transtracheal and transbronchial lung puncture] Pichlmaier H, et al. Thoraxchirurgie 19:283-9, Aug 71 (Ger)
[Cleaned-out cavities in the course of pulmonary tuberculosis in children] Majewska-Zalewska H. Gruzlica 38:973-8, Oct 70 (Pol)
[Morphological characteristics of pulmonary tuberculosis as an associated disease] Kusevitskif IA, et al. Arkh Patol 32:30-3, 1970 (Rus)
[Morphologic analysis of thanatogenesis in patients with pulmonary tuberculosis (1961-1968)] Gorbachenko LA. Probl Tuberk 48:77-80, 1970 (Rus)
[State of the bronchi in children and adolescents with hematogenous disseminated tuberculosis of the lungs] Pugachev VS, et al. Probl Tuberk 48:27-9, 1970 (Rus)
[Changes in the bronchi in fibrous-cavernous pulmonary tuberculosis] Shesterina MV. Probl Tuberk 48:49-51, 1970 (Rus)
[Morphologic reactions of lobar and segmental bronchi in progressive forms of fibro-cavernous pulmonary tuberculosis] Sotnikov VN, et al. Probl Tuberk 49:52-7, 1971 (Rus)

PHYSIOPATHOLOGY

Lung tissue hysteresis in pulmonary tuberculosis. Lourenço RV, et al. Am Rev Resp Dis 103:49-56, Jan 71
[Ventilatory function in stabilized pulmonary tuberculosis] Golli V, et al. Lille Med 13:265-7, Mar 68 (Fre)
[Transitory syndrome of inappropriate secretion of antidiuretic hormone during extensive pulmonary tuberculosis] Brun J, et al. Rev Tuberc Pneumol (Paris) 34:1067-96, Dec 70 (Fre)
[Tuberculosis and mental disorders] Gürich W. Dtsch Med Wochenschr 96:804-5, 2 Apr 71 (Ger)
[Changes in acid-base equilibrium in healthy and tuberculous children and adolescents under measured stress] Hötter GJ. Kinderaerztl Prax 38:105-11, Mar 70 (Ger)
[Tuberculosis and ovulation inhibitors] Mohr H, et al. Prax Pneumol 25:23-7, Jan 71 (Ger)
[Pictures of altered thoraco-pulmonary mechanics in static conditions, in chronic tuberculosis and in subsequent pulmonary pathological states] Casadio V, et al. G Ital Mal Torace 23:65-80 passim, Mar-Apr 69 (Ita)
[Behavior of diffusion capacity for carbon monoxide in 2 groups of subjects with pulmonary tuberculosis and chronic obstructive bronchopathy] Lo Coco A. G Ital Mal Torace 24:27-30, Jan-Feb 70 (Ita)
[Pulmonary function in tuberculosis (symposium)] Matsuda Y, et al. Kekkaku 45:409-11, Nov 70 (Jap)
[Attempt at determining the adrenocortical function in patients with chronic pulmonary tuberculosis] Frenkel S, et al. Gruzlica 39:483-8, Jun 71 (Pol)
[Comparison of the electrocardiographic overloading in the right ventricle due to emphysema or extensive tuberculosis of the respiratory system] Jaroslawski M, et al. Gruzlica 39:495-501, Jun 71 (Pol)
[Hemodynamics of the right and left lung studied separately by dye dilution technic and pulmonary artery catheterization] Basiev ZG, et al. Biull Eksp Biol Med 70:116-8, Oct 70 (Rus)
[Pulmonary diffusing capacity in chronic forms of tuberculosis] Volkova KI. Klin Med (Mosk) 49:92-8, Apr 71 (Rus)
[Zonal rheography of the lungs as a method of assessing pulmonary circulation and ventilation in pulmonary tuberculosis] Frinerman EA. Probl Tuberk 48:44-9, 1970 (Rus)
[Compensatory processes in various types of ventilation disorders in patients with pulmonary tuberculosis] Gavrilova NI. Probl Tuberk 48:60-5, 1970 (Rus)
[Study of the contractile capacity of the right heart ventricle in patients with limited forms of pulmonary tuberculosis] German AK. Probl Tuberk 48:55-6, 1970 (Rus)
[Electrocardiogram following physical exertion in asbestotuberculosis] Komarova OI, et al. Probl Tuberk 48:19-21, 1970 (Rus)
[Vectorelectrocardiographic study in patients with detected primary pulmonary tuberculosis] Kuznetsova GG. Probl Tuberk 48:52-5, 1970 (Rus)
[Phase analysis of forced respiration in patients with destructive forms of pulmonary tuberculosis] Norefko BV. Probl Tuberk 48:63-5, 1970 (Rus)
[State of the pulmonary circulation in middle-aged and elderly patients with pulmonary tuberculosis] Sokolov SB, et al. Probl Tuberk 48:56-62, 1970 (Rus)
[Use of sulfobromphthalein to study liver function in children and adolescents with pulmonary tuberculosis] Vilenskaia RN, et al. Probl Tuberk 48:53-7, 1970 (Rus)
[Diffusion capacity of the lungs in patients with various forms of pulmonary tuberculosis] Volkova KI. Probl Tuberk 48:29-35, 1970 (Rus)
[State of the histohematic barrier in pulmonary tuberculosis] Zakutaeva VP. Sov Zdravookhr Kirg 4:14-7, Jul-Aug 70 (Rus)
[Compensatory reactions in the external respiratory apparatus during respiratory insufficiency in pulmonary tuberculosis] Boksha VG, et al. Ter Arkh 43:28-32, Jan 71 (Rus)
[Pulmonary tuberculosis as a general pulmonological problem (functional aspects)] Chafka VV. Ter Arkh 42:68-74, Oct 70 (Rus)
[Comparative assessment of roentgenological methods of studying tracheal and broncheal mobility] Varnovitskif GI, et al. Vestn Rentgenol Radiol 45:54-6, May-Jun 70 (Rus)
[Study on the diffusion capacity of each lung] López-Majano V, et al. Torax 19:89-94, Jun 70 (Spa)
[Nervous processes and activity of cerebral cortex in patients with pulmonary, renal and osteoarticular tuberculosis] Troshikhin VO, et al. Fiziol Zh 16:400-2, May-Jun 70 (Ukr)

PREVENTION & CONTROL

Estimating the population consuming isoniazid by urine test. Narain R, et al. Am Rev Resp Dis 104:122-5, Jul 71
Pulmonary tuberculosis follow-up. Stewart CJ. Br Med J 3:645-6, 12 Sep 70
A socio-epidemiological study of out-patients attending a city tuberculosis clinic in India to judge the place of specialized centres in a tuberculosis control programme. Nagpaul DR, et al. Bull WHO 43:17-34, 1970
Comments on logistics of chemoprophylaxis of tuberculosis. Edwards PQ. Chest 59:589, Jun 71
Logistics of chemoprophylaxis of tuberculosis. Katz J, et al. Chest 59:600-5, Jun 71
Logistics of chemoprophylaxis of tuberculosis. Tizes R. Chest 59:697-8, Jun 71
Tuberculosis control in Arkansas--1970. Harrel JA Jr. J Arkansas Med Soc 67:421-5, May 71
Tuberculous morbidity in Swiss albino mice immunized with BCG. Costello R, et al. J Hyg (Camb) 68:589-99, Dec 70
Current concepts of tuberculosis control and treatment. Weg JG. J Occup Med 12:497-504, Dec 70
The prevention of tuberculosis. NZ Med J 73:366, Jun 71
[Towards extinction of pulmonary tuberculosis in the Marrakech Province] Bursoni FJ, et al. Maroc Med 50:701-4, Dec 70 (Fre)
[Obligatory declaration of tuberculosis] Mayer M. Mars Med 107:751-4, 1970 (Fre)
[Antituberculosis campaign in the Canton of Geneva] Arnold E. Rev Tuberc Pneumol (Paris) 34:644-5, Jul-Aug 70 (Fre)
[Monoprevention therapy following past pulmonary tuberculosis] Schaich W. Dtsch Med Wochenschr 95:1945, 18 Sep 70 (Ger)
[Critical considerations on the legal principles and regulations including the economic tuberculosis assistance] Backhaus R. Oeff Gesundheitswes 33:Suppl 2:43-9, Jun 71 (Ger)
[History of the tuberculosis care in Germany] Breu K. Oeff Gesundheitswes 33:Suppl 2:37-42, Jun 71 (Ger)
[Work of the tuberculosis health service from the clinical viewpoint] Gebel G. Oeff Gesundheitswes 33:Suppl 2:61-4, Jun 71 (Ger)
[Community health care center within the public health service] Göttsching C. Oeff Gesundheitswes 33:Suppl 2:58-61, Jun 71 (Ger)
[Establishment and work of a modern tuberculosis community health service] Hoegen A von. Oeff Gesundheitswes 33:Suppl 2:49-57, Jun 71 (Ger)
[Work of the tuberculosis health care center from the viewpoint of the free practitioner] Kienow HU. Oeff Gesundheitswes 33:Suppl 2:64-7, Jun 71 (Ger)
[Final word on the discussion: optimal practice in tuberculosis health care centers] Neumann G. Oeff Gesundheitswes 33:234-5, Apr 71 (Ger)
[Precautions against injudicious tuberculosis patients. Experiences in carrying out precautions against injudicious infectious tuberculosis patients in theGerman Federal Republic] Breu K. Wien Med Wochenschr 120:985-8, 19 Dec 70 (Ger)
[Whom, how and when to vaccinate against tuberculosis] Taronna S. Clin Pediatr (Bologna) 52:280-4, Jun 70 (Ita)
[Model for an epidemiologic research in university preventive medical services with reference to radiographic services] Del Vecchio V, et al. Lotta Tuberc 39:85-91, Apr-Jun 69 (Ita)
[State of tuberculosis control in the Kielce Province] Lefkiewicz H. Gruzlica 38:1215-6, 1970 (Pol)
[Organization of tuberculosis control in the Szczecin Province] Lefkiewicz H. Gruzlica 39:253-4, 1971 (Pol)
[Attracting the general public to control tuberculosis] Al'tshuler NS. Probl Tuberk 48:88-91, 1970 (Rus)
[Some problems of tuberculosis control in rural areas] Ermakov VV, et al. Probl Tuberk 49:17-20, 1971 (Rus)
[Chemoprevention of tuberculosis in patients with anthracosilicosis] Lesnichif AV, et al. Probl Tuberk 48:15-6, 1970 (Rus)
[Changes in the grouping of population under observation at antitubercular dispensaries] Lipskif Zia. Probl Tuberk 48:13-5, 1970 (Rus)
[Work experience of a municipal antituberculosis dispensary in preventing chronic destructive forms of pulmonary tuberculosis] Olaru KV. Probl Tuberk 48:1-4, 1970 (Rus)
[Results of preventive chemotherapy of children in a sanatorium-type children's institution (nursery-kindergarten)] Prosvirnova VN. Probl Tuberk 48:4-7, 1970 (Rus)
[Experience in combined preventive work of the phthisiologist and the epidemiologist] Garbuz VM. Voen Med Zh 10:60-1, Oct 70 (Rus)
[Tuberculosis] Peroncini J. Arch Argent Pediatr 68:332-3, Nov 70 (Spa)
[Preservation and prevention of pulmonary tuberculosis] Heudtlass AP. Prensa Med Argent 57:1054-5, 31 Jul 70 (Spa)
[Antitubercular campaign in the 5th district of the health zone, Santiago] Botteselle O. Rev Med Chil 98:398-405, Jun 70 (Spa)

RADIOGRAPHY

Microwave transmission of chest roentgenograms. Murphy RL, et al. Am Rev Resp Dis 102:771-7, Nov 70
A mass miniature mobile radiographic survey, Manicaland, 1970. Cox DA. Cent Afr J Med 17:80-2, Apr 71
Pulmonary tuberculosis with giant radiolucency. Grillo IA, et al. Chest 58:611-2, Dec 70
Unusual presentations of tuberculosis. Le Roux BT. Thorax 26:343-7, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Resorption of calcification in primary pulmonary tuberculosis. Morrison JB. Thorax 25:643-8, Nov 70
[Tuberculosis and diffuse unilateral pulmonary transradiancy with hypovascularization] Jospin G, et al. Poumon Coeur 25:541-55, 1969 (Fre)
[Bacilliferous or nonbacilliferous pulmonary cancers with chronic infiltrative or cavitary type radiologic development] Brun J, et al.
Rev Tuberc Pneumol (Paris) 32:561-71, Jun 68 (Fre)
[Importance of selective bronchial angiography in bronchopulmonary tuberculosis] Fardou H, et al.
Rev Tuberc Pneumol (Paris) 34:831-42, Sep-Oct 70 (Fre)
[Role of systematic radiological screening in the detection of tuberculosis patients hospitalized in a Paris hospital ward] Meyer A, et al.
Rev Tuberc Pneumol (Paris) 34:639-43, Jul-Aug 70 (Fre)
[Detection of tuberculosis by the Cuti-BCG method and radiography] Davignon L, et al.
Union Med Can 100:294-300, Feb 71 (Fre)
[Masked tumors in the area of the lungs] Heine F.
Pneumonologie 146:50-63, 1971 (Ger)
[Errors in tuberculosis diagnosis. Atypical pulmonary tuberculosis?] Schwabe HK.
Prax Pneumol 25:313-22, Jun 71 (Ger)
[Change of type of tuberculosis and its dependence on radiological diagnosis of pulmonary diseases] Steinbrück P.
Radiol Diagn (Berl) 11:283-91, 1970 (Ger)
[Active tuberculosis detected by x-ray in both sexes] Rosolini D, et al.
G Ital Mal Torace 24:79-84, Mar-Apr 70 (Ita)
[Diagnostic considerations on cavernous lung cancer and the association of cancer-tuberculosis] Fasano E.
Riv Patol Clin Sper 11:55-74, Jan-Apr 70 (Ita)
[Analysis of freshly detected cases of pulmonary tuberculosis among students in 1967-1968, 1968-1969 and 1969-1970] Wrzesińska E, et al.
Gruzlica 39:423-6, May 71 (Pol)
[Evaluation of focal tuberculosis activity in adults] Anastas'ev VS, et al. Probl Tuberk 48:34-8, 1970 (Rus)
[a case of detection of miliary pulmonary tuberculosis during preventive fluorographic examination] Bekker VS. Probl Tuberk 49:87-8, 1971 (Rus)
[Method of detecting pulmonary tuberculosis and study of minimal radiologic changes in Hungary] Bessermeni M, et al. Probl Tuberk 48:13-7, 1970 (Rus)
[Myositis ossificans simulating pulmonary tuberculoma] Derbikova TI, et al.
Probl Tuberk 49:66-7, 1971 (Rus)
[Tomobronchography and tomography with transverse spread in the diagnosis of bronchial tree lesions] Fisher EF, et al. Probl Tuberk 48:45-8, 1970 (Rus)
[Organizational and clinical characteristics of fluorographic studies of the population of the Crimean southern bank] Gulida MV, et al.
Probl Tuberk 48:18-20, 1970 (Rus)
[Radiologic diagnosis of pulmonary tuberculoma] Ivannikov ID. Probl Tuberk 48:62-4, 1970 (Rus)
[Tomography of the lungs in tuberculosis] Korobov VI, et al. Probl Tuberk 48:42-5, 1970 (Rus)
[Segmental and intrasegmental localization of secondary pulmonary tuberculosis] Rapis IuL.
Probl Tuberk 48:23-6, 1970 (Rus)
[Variant of the azygos vein location simulating a cavern] Sokolov VA, et al.
Probl Tuberk 48:83-4, 1970 (Rus)
[Radiologic diagnosis of pulmonary tuberculosis localized in the lower lobe] Strepetova TN.
Probl Tuberk 49:56-60, 1971 (Rus)
[Experience with bronchography in a regional tuberculosis dispensary] Sudefkin AA, et al.
Probl Tuberk 49:67-8, 1971 (Rus)
[The value of roentgen-anatomic studies of resected lungs for diagnosing the character of the tuberculous process] Tamara AM, et al.
Probl Tuberk 49:35-9, 1971 (Rus)
[The effect of bronchography on pulmonary ventilation] Varnovitskif GI, et al.
Probl Tuberk 49:69-70, 1971 (Rus)
[Roentgenodiagnosis of caseomas] Eliseeva MI, et al.
Vestn Rentgenol Radiol 45:36-42, May-Jun 70 (Rus)
[Roentgenological dynamics of caverns in prolonged chemotherapy of fibrous-cavernous pulmonary tuberculosis in middle-aged and aged patients] Grabovetskaia AI, et al.
Vestn Rentgenol Radiol 45:48-54, May-Jun 70 (Rus)
[Importance of the symptom of contrasting tuberculous cavern] Mukhin EP, et al.
Vestn Rentgenol Radiol 45:42-8, May-Jun 70 (Rus)
[Peculiarities of the bronchographic picture in pulmonary tuberculosis and chronic nonspecific pneumonia] Shulaeva ZA.
Vestn Rentgenol Radiol 45:30-6, May-Jun 70 (Rus)
[Method of calculating the depth of section in tomography of the lungs in oblique projection] Vigdorchik IV, et al.
Vestn Rentgenol Radiol 45:57-60, May-Jun 70 (Rus)
[Detection of active pulmonary tuberculosis in draftees] Slepnev AN.
Voen Med Zh 12:39-41, Dec 70 (Rus)
[Current status of the lungs and working capacity of tuberculous patients diagnosed by radiophotography in 1964 in the Niš territory] Marsenić B, et al.
Plucne Bolesti Tuberk 22:276-80, Jul-Sep 70 (Cro)

REHABILITATION

[In search of a practical plan of functional rehabilitation associated with respiratory rehabilitation while staying in a sanatorium] Cox D.
Acta Tuberc Pneumol Belg 60:103-12, Jan-Feb 69 (Fre)
[Occupational activities of former tuberculous patients in a metallurgic factory] Checrolle J, et al.
Arch Mal Prof 31:510-3, Sep 70 (Fre)
[Energy requirements in the pulmonary handicapped returned to work] Salmon A, et al.
J Belge Rhumatol Med Phys 23:71-82, Mar-Apr 68 (Fre)
[Work capacity of pulmonary tuberculosis surgical patients] Langer C.
Wien Med Wochenschr 120:973-5, 19 Dec 70 (Ger)
[Rehabilitation in pulmonary tuberculosis] Sawazaki H, et al. Naika 26:865-9, Nov 70 (Jap)

SURGERY

Lactation following lobectomy. Crist T, et al.
Am J Obstet Gynecol 110:738-9, 1 Jul 71
Immediate resection for massive pulmonary hemorrhage. Karlson KE, et al.
Bull Soc Int Chir 29:186-92, May-Jun 70
Pulmonary resection for tuberculosis in 249 patients. Padungchan S, et al. J Med Assoc Thai 54:18-27, Jan 71
Comparison of late results of treatment in surgically treated patients with pulmonary tuberculosis and those who refused surgery. I. Period from 1950 to 1959. Jaworski J. Pol Med J 10:78-84, 1971
Late clinical and functional results in patients after pneumonectomy because of tuberculosis. II. Analysis of the pulmonary function 1.5 to 4 years after pneumonectomy. Koziorowski A, et al.
Pol Med J 9:1422-9, 1970
Late clinical and functional results in patients after pneumonectomy because of tuberculosis. I. Analysis of the epidemiological and clinical condition in patients before and after pneumonectomy.
Piekarniak K, et al. Pol Med J 9:1411-21, 1970
Indications for decortication. Lopez-Majano V, et al.
Respiration 27:565-81, 1970
[Surgical treatment of pulmonary tuberculosis in diabetics] Dobrota S, et al.
Ann Chir Thorac Cardiovasc 9:113-6, Jan 70 (Fre)
[Double esophageal and late bronchial fistula in a tuberculosis pneumonectomy cavity] Dor J, et al.
Ann Chir Thorac Cardiovasc 9:485-8, Oct 70 (Fre)
[Anesthesia-resuscitation in 1967 in pulmonary surgery for tuberculosis] Dechêne JP, et al.
Laval Med 40:233-7, Mar 69 (Fre)
[Surgical aspects of the treatment of mediastino-pulmonary initial tuberculosis] Ribet M, et al. Lille Med 16:330-1, Feb 71 (Fre)
[4 years' survival with only 2 lobes, the middle and lower right] Chenebault J.
Maroc Med 48:443-4, Jul 68 (Fre)
[Radical surgical management of pulmonary tuberculosis with specific consideration of complicated cases] Kleint Z.
Acta Univ Carol [Med] (Praha) 14:311-8, 1968 (Ger)
[Lung resection in tuberculosis not confined to 1 lobe. Study on translobal surgical material of lung resections] Jüngst G.
Beitr Klin Erforsch Tuberk Lungenkr 141:328-51, 1970 (Ger)
Surgical treatment of pulmonary tuberculosis] Huzly A. Med Klin 65:1558-60, 4 Sep 70 (Ger)
[Surgical management of the tuberculous residual lung] Bogusch LK.
Z Erkr Atmungsorgane 131:271-3, 1970 (Ger)
[Long-term results of endocavernous local treatment] Neef W.
Z Erkr Atmungsorgane 133:69-72, Dec 70 (Ger)
[Long-term results in local surgery of caverns] Schoefer G.
Z Erkr Atmungsorgane 133:64-8, Dec 70 (Ger)
[Results of 376 mechanical lung resections using the soviets UKL-suture instrument in pulmonary tuberculosis] Wilhelm J.
Z Erkr Atmungsorgane 131:265-9, 1970 (Ger)
[The surgical treatment of pulmonary tuberculosis in our clinic (1947-1966)] Schnitzler J, et al.
Orv Hetil 112:1383-7, 13 Jun 71 (Hun)
[Muscular plumbage of the residual cavity after resection of the scapular squama] Leggeri A, et al.
Arch Chir Torac Cardiovasc 27:161-79, Apr-Jun 70 (Ita)
[Relapses and mortality in follow-up studies of patients with pulmonary exeresis for tuberculosis] D'Alfonso G, et al.
Arch Tisiol Mal Appar Resp 24:199-224, Mar 69 (Ita)
[Use of gentamicin in the final treatment of endocavitary aspiration by the method of Monaldi] De Marco F, et al.
G Ital Chemioter 16:383-4, Jan-Sep 69 (Ita)
[Relationship between surface properties of lung washings and ventilatory functions of patients with pulmonary tuberculosis before and after the operation] Nozaki M, et al. Iryo 24:915-8, Nov 70 (Jap)
[Reflection on surgical treatment of pulmonary tuberculosis] Sawamura K, et al.
Jap J Thorac Surg 24:113-9, Feb 71 (Jap)
[Refractory pulmonary tuberculosis. 4a. Limitation of the surgical therapy in refractory pulmonary tuberculosis due to pathological factors from the standpoint of morphology] Teramatsu T.
Jap J Thorac Surg 23:636-41, Sep 70 (Jap)
[Present surgical treatment of pulmonary tuberculosis] Aoyagi Y, et al.
Kekkaku 45:14-7, May 70 (Jap)
[Study on surgical treatment for cases with negative bacilli and noncavitary caseous lesions]
Kekkaku 45:415-22, Dec 70 (Jap)
[Present status of respiratory function tests and evaluation of forced expiratory volume one second by predicted vital capacity in surgical treatment for pulmonary tuberculosis]
Kekkaku 46:129-36, May 71 (Jap)
[Recent changes in the surgical treatment of pulmonary tuberculosis. Observations during the period from 1963 to 1968]
Kekkaku 46:71-5, May 71 (Jap)
[Review on results of surgical treatment for pulmonary tuberculosis among aged patients]
Kekkaku 46:315-23, Aug 71 (Jap)
[Resection of lung tissue in tuberculosis] Drzewski Z.
Gruzlica 39:523-32, Jun 71 (Pol)
[Fate of a child following pneumonectomy performed at the age of 1 year and 11 months] Krukowska H.
Gruzlica 38:1201-5, 1970 (Pol)
[Problems connected with the resection of the lower lung lobe in pulmonary tuberculosis] Lukasiewicz M.
Gruzlica 39:533-40, Jun 71 (Pol)
[Relapses and recurrences in respiratory tuberculosis in children treated by resection of the lung tissue] Majewska-Zalewska H. Gruzlica 39:111-7, Feb 71 (Pol)
[Results of treatment of pulmonary tuberculosis by resection of the lung tissue] Majewska-Zalewska H.
Gruzlica 38:1111-21, Oct 70 (Pol)
[Surgical treatment of chronic infectious pulmonary tuberculosis without any shield from antituberculous chemotherapy] Mlekodaj S.
Gruzlica 38:1181-6, 1970 (Pol)
[Early results of pulmonary tissue resection for tuberculous lesions] Karski J, et al.
Pol Przegl Chir 43:577-83, 1971 (Pol)
[Early complications following resection of pulmonary tissue in the radiological picture] Ossowska K, et al.
Pol Przegl Radiol 35:19-31, 1971 (Pol)
[Surgical failure in pulmonary tuberculosis. Present frequency, causes and consequences] Berbescu O, et al.
Rev Med Chir Soc Med Nat Iasi 75:83-90, Jan-Mar 71 (Rum)
[Use of rifocin (rifamycin SV) in suppurative surgery of pulmonary tuberculosis] Gromova LS, et al.
Antibiotiki 15:1047-9, Nov 70 (Rus)
[Blood volume changes in pulmonary tuberculosis in relation to surgery] Bruker IE.
Grudn Khir 13:95-6, Jan-Feb 71 (Rus)
[Experience with the surgical treatment of patients with disseminated tuberculosis of the lungs] Iatsozhinskif IuD, et al.
Grudn Khir 13:49-52, Mar-Apr 71 (Rus)
[The effect of surgical intervention on the state of the renal excretory system in patients with chronic forms of pulmonary tuberculosis] Kaminskaia GO, et al.
Grudn Khir 13:86-91, Mar-Apr 71 (Rus)
[Periscapular pseudocaverns in tubercular patients following lung surgery] Karapetian ET, et al.
Grudn Khir 12:107-10, Nov-Dec 70 (Rus)
[Postoperative mortality following surgery of the lungs and pleura] Repin IuM, et al.
Grudn Khir 13:73-7, Mar-Apr 71 (Rus)
[Ganglionic blockade in surgery of pulmonary tuberculosis] Rumiantsev VB.
Grudn Khir 12:76-81, Jul-Aug 70 (Rus)
[Preoperative preparation and postoperative management of patients with pulmonary tuberculosis with concomitant diabetes mellitus] Savon AA, et al.
Grudn Khir 12:84-8, Jul-Aug 70 (Rus)
[Experience with lung resection following ineffective collapse therapy] Sparovof VM.
Grudn Khir 13:88-90, Jan-Feb 71 (Rus)
[Rare late complications after surgery on the lungs and chest wall in patients with tuberculosis] Vasil'ev NA, et al. Grudn Khir 12:81-4, Jul-Aug 70 (Rus)
[Pneumoperitoneum following pulmonary resection] Vedishchev VT, et al.
Grudn Khir 13:123-4, Mar-Apr 71 (Rus)
[Corrective measures in partial resection of the lungs in patients with tuberculosis] Vladro GA, et al.
Grudn Khir 12:75-80, Nov-Dec 70 (Rus)
[Veloergometry in pulmonary tuberculosis before and after resection] Vinnik LA, et al.
Grudn Khir 13:101-4, Jan-Feb 71 (Rus)
[Results of pneumoectomy and pleuropneumonectomy for pulmonary tuberculosis and other lung diseases] Danilovskiĭ IuP. Probl Tuberk 48:26-3, 1970 (Rus)
[Candidiasis and candida carrier state in patients

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

subjected to surgery for pulmonary tuberculosis] Dorozhkova IR, et al. Probl Tuberk 49:61-6, 1971 (Rus)
[Surgical stage in the complex therapy of patients with extensive destructive pulmonary tuberculosis] Ganushchak MM. Probl Tuberk 48:23-6, 1970 (Rus)
[The effect of bronchial pathology on the outcome of surgery for disseminated pulmonary tuberculosis] Ivanovskaia TM. Probl Tuberk 49:60-3, 1971 (Rus)
[Causes of reactivation of tuberculosis after lung resection] Kalandadze ZF, et al. Probl Tuberk 48:16-9, 1970 (Rus)
[A case of late pseudocavern formation] Kharitonov VA. Probl Tuberk 49:70-1, 1971 (Rus)
[Efficacity of lung resection in disseminated forms of tuberculosis] Koipakchi MI. Probl Tuberk 48:37-40, 1970 (Rus)
[Lung resection in the treatment of patients with hematogenic-disseminated pulmonary tuberculosis] Kunitskif EM. Probl Tuberk 48:34-7, 1970 (Rus)
[Status of the respiratory function after pneumonectomy] Nefedov VB, et al. Probl Tuberk 48:57-62, 1970 (Rus)
[Immediate and remote results of vavernotomy with simultaneous thoracoplasty and muscular plastic repair of the cavern in the treatment of extensive pulmonary tuberculosis] Nikolaev IS, et al. Probl Tuberk 48:19-23, 1970 (Rus)
[Roentgen diagnosis of bronchopleural fistulas following pulmonary resection for tuberculosis] Rozno AI, et al. Probl Tuberk 48:45-7, 1970 (Rus)
[Diagnosis and treatment of paraplegia] Sushkov AK. Probl Tuberk 48:48-50, 1970 (Rus)
[Successive surgery for tuberculosis and cancer of the lung] Zil'bershtein BS. Probl Tuberk 48:79-80, 1970 (Rus)
[X-ray diagnosis of nonspecific pneumonia following lung resection in tuberculosis] Rozno AI, et al. Sov Med 33:86-91, Jul 70 (Rus)
[Possibilities of surgical treatment of pulmonary tuberculosis in patients over 50] Ostiakif Ilu. Sov Zdravookhr Kirg 6:50-1, Nov-Dec 70 (Rus)
[Repeated thoracotomy in primary insufficiency of the bronchial stump and pulmonary suture after partial resection for tuberculosis] Bogach GF. Vestn Khir 103:9-13, Nov 69 (Rus)
[Several hemodynamic indices in lung resection for tuberculosis under fluorothane and ether anesthesia] Chufarov VN. Vestn Khir 104:100-2, Mar 70 (Rus)
[Treatment of postoperative pneumonia in surgery of pulmonary tuberculosis] Kibrik BS. Vestn Khir 103:22-3, Jun 69 (Rus)
[Effect of prolonged peridural block on external respiration after surgery of the lungs] Tavrovskif VM, et al. Vestn Khir 103:96-8, Nov 69 (Rus)
[Roentgenofunctional evaluation of surgical repositioning of the diaphragm] Ziablitsina LA, et al. Vestn Rentgenol Radiol 45:51-6, Nov-Dec 70 (Rus)
[Indications for lung resection in tuberculosis] Bogush LK, et al. Voen Med Zh 8:83-5, Aug 70 (Rus)
[Long-term results of lung resection in polyresistant cavitary tuberculosis] Hal'ík O, et al. Bratisl Lek Listy 55:361-5, 1971 (Slo)

THERAPY

Current concepts of tuberculosis control and treatment. Weg JG. J Occup Med 12:497-504, Dec 70
Care of tuberculosis patients: reprise. JAMA 215:1148, 15 Feb 71
Short cuts in tuberculosis care? Olson LA. Minn Med 53:1247-8, Dec 70
Tuberculosis care--1971. Changing the attitudes of hospital nurses. Barham VZ. Nurs Outlook 19:538-40, Aug 71
[Recall of some original truths abouth the treatment of primary tuberculous infection in children] Fournier A, et al. J Sci Med Lille 87:223-7, Mar 69 (Fre)
[Certain aspects and trends in phthisiology] Bumbăcescо N. Rev Med Chir Soc Med Nat Iasi 74:975-8, Oct-Dec 70 (Fre)
[Future of institutions for antitubercular treatment. Should we close them? No--but] Even R. Rev Tuberc Pneumol (Paris) 32:527-36, Jun 68 (Fre)
[Problems posed by the organization for the ambulatory treatment of pulmonary tuberculosis in Algeria] Larbaoui D, et al. Rev Tuberc Pneumol (Paris) 34:669-70, Jul-Aug 70 (Fre)
[The distant future of pulmonary infiltrates of the "nebulous type" treated by simple sanitarium cure] Vidal J. Rev Tuberc Pneumol (Paris) 34:305, Mar 70 (Fre)
[Comparative duration of treatment of a cloud type infiltrate: sanatorial cure, simple or associated with antibiotherapy] Vidal J, et al. Rev Tuberc Pneumol (Paris) 35:102-3, Jan-Feb 71 (Fre)
[Advances and disappointments in the treatment of tuberculosis] Bösenberg H. Med Welt 47:2029-34, 21 Nov 70 (Ger)
[Experiences in the forceful detention of tuberculosis patients during the course of punishment] Augustinitz W. Wien Med Wochenschr 120:991-5, 19 Dec 70 (Ger)
[Recurrence of tuberculosis in subjects traited by suction drainage examined with respect to survival charts] Scarano L, et al. Arch Tisiol Mal Appar Resp 24:999-1019, Dec 69 (Ita)
[Refractory tuberculosis: concept and clinical cases] Sunahara S. Naika 27:1358-63, Jun 71 (Jap)
[Laryngeal tuberculosis in the course of modern treatment of pulmonary tuberculosis] Mikuiska W. Otolaryngol Pol 24:687-91, 1970 (Pol)
[Is pulmonary tuberculosis curable?] Wośna A. Pol Tyg Lek 26:609-11, 19 Apr 71 (Pol)
[Short-term results of treatment for tuberculosis in patients over 60] Burgielski R. Przegl Lek 26:870-2, 1970 (Pol)
[Medicosocial aspects of tuberculosis in Brazil] Lisbôa RM. Rev Bras Med 27:312-7, Jun 70 (Por)
[Therapeutic pneumothorax in pulmonary tuberculosis] Viadro GA. Klin Med (Mosk) 48:38-40, Dec 70 (Rus)
[Pneumologic functions of the tuberculosis dispensary] Zakin MM, et al. Klin Med (Mosk) 48:124-5, Dec 70 (Rus)
[Ultrasonic therapy of patients with pulmonary tuberculosis] Aviasenko VS. Probl Tuberk 48:51-3, 1970 (Rus)
[Observation periods in patients with tuberculosis and clinical recovery in dispensary registration groups] Greifner MS, et al. Probl Tuberk 48:9-13, 1970 (Rus)
[Ultrasonic therapy of patients with initial diagnosis of pulmonary tuberculosis and long-term destructive changes] Gunich LA, et al. Probl Tuberk 48:48-51, 1970 (Rus)
[Experience in organizing therapy of patients with tuberculosis of the respiratory organs at the "Shafrikan" Sanatorium in the Bukhara District] Kamalov RK. Probl Tuberk 48:7-10, 1970 (Rus)
[Work experience of a specialized multiprofile tuberculosis hospital] Kiselev AF, et al. Probl Tuberk 48:16-20, 1970 (Rus)
[Tentative treatment during the determination of the activity of pulmonary tuberculosis in persons referred to an antituberculous dispensary] Levin VR, et al. Probl Tuberk 48:38-41, 1970 (Rus)
[Healing of cavitations in cavernous form of pulmonary tuberculosis] Mikhailova ES. Probl Tuberk 49:24-7, 1971 (Rus)
[Efficacy of complex therapy of patients with fibrous-cavernous pulmonary tuberculosis in sanatoriums of the Abastumani Health Resort] Noditia AI. Probl Tuberk 48:10-3, 1970 (Rus)
[Clinical and x-ray characteristics and outcomes of hematogenous-disseminated pulmonary tuberculosis in newly detected patients (based on data from Leningrad dispensaries)] Poiushkina AF, et al. Probl Tuberk 49:28-32, 1971 (Rus)
[Artifical pneumothorax in combination with antibacterial therapy of patients with destructive pulmonary tuberculosis] Prosvirnov KP, et al. Probl Tuberk 48:42-5, 1970 (Rus)
[How should contemporary dispensary registration be?] Ursov IG. Probl Tuberk 48:4-8, 1970 (Rus)
[Analysis of the expenditure fo work time by regional pulmonary tuberculosis specialists and methodological approaches to the development of case load standards] Nisan GI, et al. Sov Zdravookhr 30:44-8, 1971 (Rus)
[Tactics of the physician in freshly detected minimal tubercular changes in the lungs] Konovalov FF. Voen Med Zh 9:23-6, Sep 70 (Rus)
[Ultrasound in the complex treatment of active pulmonary tuberculosis] Poiunin VI, et al. Voen Med Zh 7:74-6, Jul 70 (Rus)
[Significance of climate in the treatment of pulmonary tuberculosis] Savin S. Srp Arh Celok Lek 98:75-81, Jan 70 (Ser)
[Permanent pleural suction in the treatment freshly perforated tuberculous caverns] Krufić Z, et al. Acta Med Iugosl 24:363-71, 1970 (Cro)

URINE

[The electrolyte excreting function of the kidneys in pulmonary tuberculosis] Litvin LM. Probl Tuberk 49:52-6, 1971 (Rus)
[Urinary excretion of bound amino acids in newly detected pulmonary tuberculosis] Pashchenko SI, et al. Ter Arkh 43:32-7, Jan 71 (Rus)

VETERINARY

Pulmonary tuberculosis in a calf. Singh SP, et al. Indian Vet J 48:539-41, May 71
Modification of the tuberculin response of rhesus monkeys by isoniazid therapy. Gibson JP, et al. Lab Anim Sci 21:62-6, Feb 71

TUBERCULOSIS, RENAL (C1, C6)

Renal tuberculosis. A case report. Bwibo NO. Trop Geogr Med 22:377-80, Sep 70
[A case of mortar kidney] Bonnaud G, et al. Rev Tuberc Pneumol (Paris) 34:1125-9, Dec 70 (Fre)
[Case of asymptomatic mastic kidney. Clinical contribution and collective review] Corsano A. Arch Tisiol Mal Appar Resp 24:1038-51, Dec 69 (Ita)
[Renal tuberculosis in the past 10 years] Shishito S, et al. Acta Urol Jap 17:187-94, Mar 71 (Jap)
[Nephrotuberculosis] Okoshi M. Naika 27:494-6, Mar 71 (Jap)

COMPLICATIONS

The ureter in renal tuberculosis. Rees RW, et al. Br J Urol 42:693-6, Dec 70
[2 infrequent causes of hydronephrosis] Briquemont F, et al. Brux Med 49:457-65, Jul 69 (Fre)
[Kidney tuberculosis and cancer of the kidney. Apropos of 2 cases] Bollack C, et al. J Urol Nephrol (Paris) 76:958-64, Oct-Nov 70 (Fre)
[Renal tuberculosis and lithiasis. A case followed for 13 years] Ducassou J, et al. J Urol Nephrol (Paris) 77:644-6, Jul-Aug 71 (Fre)
[Arterial hypertension revealing renal tuberculosis] Medvedowsky JL, et al. Mars Med 106:231-9, 1969 (Fre)
[Squamous cell carcinoma of the kidney arising during chemotherapy for renal tuberculosis: report of a case] Kato T, et al. Acta Urol Jap 17:137-40, Feb 71 (Jap)
[Case of atypical coarctation with renal tuberculosis] Otaki T, et al. Jap J Thorac Surg 23:684-8, Sep 70 (Jap)
[Case of total sequestration of the bladder mucosa in tuberculosis] Drobner VL, et al. Probl Tuberk 48:81-2, 1970 (Rus)
[Arterial hypertension in renal tuberculosis] Wisnia L, et al. Rev Med Chil 98:149-53, Mar 70 (Spa)

DIAGNOSIS

Pain as the presenting symptom in renal tuberculosis. Milroy EJ, et al. Br Med J 1:642-3, 20 Mar 71
[The importance of kidney scintigraphy in the radiologic study of kidney tuberculosis] Schmidt KJ, et al. Radiologe 10:412-8, Oct 70 (Ger)
[Determination of activity in urogenital tuberculosis] Opl G. Wien Med Wochenschr 120:975-8, 19 Dec 70 (Ger)
[Isotope nephrography and scintigraphy in kidney tuberculosis] Gansurew G, et al. Z Urol Nephrol 62:677-9, 1969 (Ger)
[Functional diagnosis and control of the course of renal tuberculosis with radioisotopes] Raatzsch H, et al. Z Urol Nephrol 62:673-6, 1969 (Ger)
[Present-day diagnostic problems in renal tuberculosis in the light of our personal observations] Perlińska-Schnejder L, et al. Pol Tyg Lek 26:595-7, 19 Apr 71 (Pol)
[Radioisotope diagnosis of renal tuberculosis] Neimark AI. Probl Tuberk 48:70-3, 1970 (Rus)

DRUG THERAPY

Kidney tuberculosis. Lattimer JK. Del Med J 42:309-12, Nov 70
[Indications and contraindications of corticosteroid therapy in patients with renal tuberculosis] Strauss I. Munch Med Wochenschr 110:2261-5, 4 Oct 68 (Ger)
[Chemotherapy of residual kidney tuberculosis] Opl G. Prax Pneumol 25:287-94, May 71 (Ger)
[Is the corticoid treatment of tuberculous ureteral stenosis promising success?] Carstensen E, et al. Z Urol Nephrol 62:327-30, 1969 (Ger)
[Kidney function and chemotherapy] Pecherstorfer M. Z Urol Nephrol 62:647-9, 1969 (Ger)
[Tuberculostatic tolerance of a tuberculous kidney] Strauss I. Z Urol Nephrol 62:651-6, 1969 (Ger)
[Blood bacteriostatic activity in patients with tuberculosis of the urogenital system undergoing different methods of administration of antibacterial drugs] Gabinskif BSh. Probl Tuberk 49:80-2, 1971 (Rus)
[The dynamics of partial renal function in renal tuberculosis during treatment with single daily doses of antitubercular drugs] Khachanov RM. Probl Tuberk 49:42-5, 1971 (Rus)
[Effect of intravenous administration of 1st series preparations on blood coagulation in pulmonary and renal tuberculosis] Radkevich RA, et al. Probl Tuberk 48:31-5, 1970 (Rus)

FAMILIAL & GENETIC

[Renal tuberculosis in identical twin] Kato T. Acta Urol Jap 16:851-2, Nov 70 (Jap)

IMMUNOLOGY

[Immunologic picture of renal tuberculosis] Popp L, et al. Z Gesamte Exp Med 155:145-57, 1971 (Ger)

METABOLISM

[Fractional composition of 17-ketosteroids in the urine of men with tuberculosis of the urinary and urogenital systems] Bekturganova NS. Sov Zdravookhr Kirg 6:7-9, Nov-Dec 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

OCCURRENCE

[Statistic contribution to the current nosography of renal tuberculosis] Antonini A, et al.
Lotta Tubere 39:93-109, Apr-Jun 69 (Ita)

PATHOLOGY

[Renal tuberculosis--from the morphological viewpoint] Inoue K.
Jap J Clin Pathol 18:758-61, Nov 70 (Jap)

PHYSIOPATHOLOGY

Results of a long-term study of non-functioning tuberculous kidneys. Bloom S, et al.
J Urol 104:654-7, Nov 70
[Possibilities and results of nuclear medical assessment of the function of the kidney resected for tuberculosis] Köhler H, et al.
Z Urol Nephrol 62:697-700, 1969 (Ger)
[Kidney function and chemotherapy] Pecherstorfer M.
Z Urol Nephrol 62:647-9, 1969 (Ger)
[Nervous processes and activity of cerebral cortex in patients with pulmonary, renal and osteoarticular tuberculosis] Troshikhin VO, et al.
Fiziol Zh 16:400-2, May-Jun 70 (Ukr)

RADIOGRAPHY

Angiography in renal tuberculosis. Bjorn-Hansen R, et al. Acta Radiol [Diagn] (Stockh) 11:167-76, Mar 71
Arteriographic findings in the various stages of renal tuberculosis. Giustra PE, et al.
Radiology 100:597-602, Sep 71
[Nephrotomography during intravenous urography in renal tuberculosis] Girard J, et al.
J Radiol Electrol Med Nucl 50:560-2, Jul-Aug 69 (Fre)
[Selective serial renal angiography for the assessment of morphology and therapy of renal tuberculosis] Heinze HG, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:758-71, Jun 71 (Ger)
[Diagnosis of tuberculous parenchymal damage by selective renovasography] Schmechel C, et al.
Z Urol Nephrol 62:681-3, 1969 (Ger)
[Nephropyelotomography in renal tuberculosis] Dalla Palma L, et al.
Radiol Med (Torino) 56:881-98, Oct 70 (Ita)
[Experience with infusion urography in destructive forms of tuberculosis of the urinary system] Gafarov AI. Probl Tuberk 49:39-42, 1971 (Rus)

SURGERY

Cavernotomy and paral nephrectomy in renl tuberculosis. Hanley HG. Br J Urol 42:661-6, Dec 70
Prognosis in reconstructive surgery for urinary tuberculoss. Kerr WK, et al. Br J Urol 42:672-8, Dec 70
[Surgery of kidney abnormalities associated with tuberculosis] Csernus JA, et al.
Prax Pneumol 25:412-9, Jul 71 (Ger)
[Kidney resection for tuberculosis and the possibilities as well as results of pre- and postoperative nuclear medical function determination] Köhler H, et al.
Z Urol Nephrol 63:125-38, Feb 70 (Ger)
[Indications for organ preserving surgery in renal tuberculosis] May H.
Z Urol Nephrol 62:689-92, 1969 (Ger)
[Cavernotomy in renal tuberculosis] Staehler W.
Z Urol Nephrol 62:693-5, 1969 (Ger)
[Partial renal resection] Steude U.
Z Urol Nephrol 63:901-21, Dec 70 (Ger)
[4 cases of partial resection of the kidney] Banchieri FR. Minerva Urol 21:85-94, May-Jun 69 (Ita)
[Surgical treatment of tuberculosis of the kidney] Fryszman J, et al.
Pol Przegl Chir 43:1031-3, Jun 71 (Pol)

THERAPY

[Treatment and surveillance of urinary tuberculosis] Mazeman E. Lille Med 16:17-22, 1971 (Fre)

VETERINARY

Tuberculous nephritis in cattle: a case report. Mohanty GC. Indian Vet J 47:827-30, Aug 70

TUBERCULOSIS SOCIETIES see under
VOLUNTARY HEALTH AGENCIES (N3)

TUBERCULOSIS, SPINAL (C1, C3)

[Problems of aspecific pathogenesis in tubercular manifestations of adolescence] Babolini G, et al.
Minerva Pediatr 22:2121-34, 27 Oct 70 (Ita)
[Pott's disease in adults. Observation of 3 cases] Burucua JE, et al.
Prensa Med Argent 57:2073-7, 15 Jan 71 (Spa)

COMPLICATIONS

Pott's paraplegia. Roy S.
J Indian Med Assoc 55:287-9, 16 Oct 70
[Epidural infections (14 cases)] Jacquin-Cotton L, et al.
Bull Soc Med Afr Noire Lang Fr 15:384-90, 1970 (Fre)
[Hyndman's anterior transposition of the spinal cord. (Apropos of the indications for laminectomy in Pott's paraplegia] Ferrand J.
J Chir (Paris) 101:529-42, May-Jun 71 (Fre)
[Tuberculosis of deep hematopoietic organs and its hematologic manifestations. Apropos of 6 personal cases] Debray J, et al.
Sem Hop Paris 47:1828-43, 14 Jun 71 (Fre)
[Value of spinal cord transposition in the treatment of paraplegia due to kyphosis and kyphoscoliosis] Galibert P, et al.
Therapeutique 47:487-92, May 71 (Fre)
[Antero-lateral arthrodesis of painful and insufficient gibbous spondylitis (surgical technic)] Sanguinetti C.
Arch Putti Chir Organi Mov 24:114-24, 1969 (Ita)
[Approcches to the sacral-iliac articulation in tubercular sacroiieitis and its complications] Nigaf GA. Khirurgiia (Mosk) 22:76-9, Apr 69 (Rus)
[The pathogenesis of spinal cord disorders in tuberculous spondylitis and its sequelae] Garbuz AE.
Probl Tuberk 49:23-9, 1971 (Rus)

DIAGNOSIS

[Pseudo-Pott's isease. Apropos of 14 cases] Bourrel P, et al. Med Trop (Mars) 30:680-702, Sep-Oct 70 (Fre)
[Unusual differential diagnosis of suboccipital Pott's disease: sternal and occipito-atloid African histoplasmosis] Bloch-Michel H, et al.
Rev Rhum Mal Osteoartic 36:247-53, May 69 (Fre)
[Diagnostic problems with infectious diskospondylitis] David-Chausse J.
Rhumatologie 22:299-302, Oct 70 (Fre)
[Current incidence, conditions of appearance and clinical aspects of Pott's disease] Lejeune E.
Rhumatologie 22:273-5, Oct 70 (Fre)
[Several aspects of lumbosacral Pott's disease] Robert D'Eshougues J. Rhumatologie 22:289-92, Oct 70 (Fre)
[Tuberculous-like diseases of the spine] Klepurska A.
Gruzlica 39:33-43, 1971 (Pol)
[Experience with medical disability expertise in tuberculous spondylitis] Perts RG.
Probl Tuberk 49:10-3, 1971 (Rus)

DRUG THERAPY

Tuberculosis of the spine. A study of the results of treatment during the last twenty-five years. Martin NS. J Bone Joint Surg [Br] 52:613-28, Nov 70
[2 cases of systematized lipomatosis associated with bone tuberculosis treated by bacteriostatics] Louyot P, et al.
Rev Rhum Mal Osteoartic 36:293-9, Jun 69 (Fre)
[Medical treatment alone in Pott's disease] Sèze S de, et al. Rev Rhum Mal Osteoartic 37:779-93, Dec 70 (Fre)

MICROBIOLOGY

[The microflora of purulent discharge in fistular forms of tuberculous spondylitis] Sagalovich Vla, et al.
Probl Tuberk 49:71-5, 1971 (Rus)

OCCURRENCE

[Current incidence, conditions of appearance and clinical aspects of Pott's disease] Lejeune E.
Rhumatologie 22:273-5, Oct 70 (Fre)

PHYSIOPATHOLOGY

[Change in arterial tonus in patients with tubercular spondylitis based on oscilliographic data] Panisiak NF.
Probl Tuberk 48:54-7, 1970 (Rus)

RADIOGRAPHY

Tuberculosis of the vertebral pedicles. Bell D, et al.
Radiology 99:43-8, Apr 71
[Fistulized Pott's disease] Louis R, et al.
Bull Soc Med Afr Noire Lang Fr 14:155-9, 1969 (Fre)
[Lumbosacral tuberculous spondylitis with posterior development] Amiel M, et al.
J Radiol Electrol Med Nucl 50:748-9, Oct 69 (Fre)
[Radiologic aspect of Pott's disease] Bouvier M.
Rhumatologie 22:277-83, Oct 70 (Fre)
[Some uncommon radiologic aspects in Pott's disease] Jacquot F. Rhumatologie 22:285-8, Oct 70 (Fre)
[Diagnostic problems with the sequelae of vertebral dystrophy during development] Simon L.
Rhumatologie 22:293-7, Oct 70 (Fre)
[Diagnostic problems with chronic rheumatic lesions of the spine] Villiaumey J.
Rhumatologie 22:305-10, Oct 70 (Fre)
[Roentgenologic changes in tuberculous spondylitis in adults and their differential diagnostic significance] Rafilo IV. Probl Tuberk 49:32-5, 1971 (Rus)
[Development of a spinal insult in the basin of the Adamkevich artery as a complication of selective catheterization of the renal arteries in a patient with tubercular spondylitis] Ivanov AV, et al.
Vestn Rentgenol Radiol 45:106-7, Jul-Aug 70 (Rus)
[Infectious nonspecific spondylitis in children] Kvashnina VI.
Vestn Rentgenol Radiol 45:16-20, May-Jun 70 (Rus)

SURGERY

Combined halo and sacral bar fixation. A method for immobilization and early ambulation following extensive spine fusion. Hardy JH, et al.
Clin Orthop 75:205-8, Mar-Apr 71
Tuberculosis of the spine. A study of the results of treatment during the last twenty-five years. Martin NS. J Bone Joint Surg [Br] 52:613-28, Nov 70
[Study of 60 cases of Pott's disease treated by direct route] Roy-Camille R, et al.
Chirurgie 97:305-13, 1971 (Fre)
[Spinal osteotomy by the anterior approach] Louis R.
Rev Chir Orthop 57:Suppl 1:163+, 1971 (Fre)
[Surgical treatment of Pott's disease] Dejour H.
Rhumatologie 22:311-3, Oct 70 (Fre)
[Late results of vertebrotomy in tuberculous spondylitis] Wehrheim W.
Beitr Orthop Traumatol 18:212-23, Jun 71 (Ger)
[Our therapeutical approach in tubercular spondylitis] Zurovac D, et al. Minerva Ortop 21:612-25, Nov 70 (Ita)
[Results of surgical treatment of tuberculous spondylitis complicated by lesions of the spinal cord] Malawski S. Gruzlica 39:25-31, 1971 (Pol)
[Results of surgical treatment of tuberculous spondylitis in adults by excision of the focus] Malawski S, et al. Gruzlica 39:11-8, 1971 (Pol)
[Results of surgical treatment of tuberculous spondylitis in children by excision of the focus] Miroński E, et al. Gruzlica 39:19-24, 1971 (Pol)
[Approcches to the sacral-iliac articulation in tubercular sacroiieitis and its complications] Nigaf GA. Khirurgiia (Mosk) 22:76-9, Apr 69 (Rus)
[Perineal-transsacral approach to a tubercular focus of the sacrum] Znamenskiĭ MS.
Khirurgiia (Mosk) 46:131-2, Sep 70 (Rus)
[Surgical treatment of tuberculosis of the cervical spine] Iudin IaB, et al.
Ortop Travmatol Protez 31:70-1, Jun 70 (Rus)
[Fistulous complications following surgical operation in tuberculous spondylitis] Sagalovich Vla.
Ortop Travmatol Protez 31:43-7, Nov 70 (Rus)
[Osteoplastic spinal stabilization for the sequelae of tuberculous spondylitis] Kovalenko DG, et al.
Vestn Khir 106:61-6, Apr 71 (Rus)

THERAPY

Is surgical fusion still desirable in spinal tuberculosis? Neville CH Jr, et al. Clin Orthop 75:179-87, Mar-Apr 71
[Medical treatment of Pott's disease] Vignon G, et al.
Rhumatologie 22:315-20, Oct 70 (Fre)
[The effect of immobilization on the state of the circulatory system in patients with osteoarticular tuberculosis] Tsaliagova EM, et al.
Probl Tuberk 49:29-32, 1971 (Rus)

TUBERCULOSIS, SPLENIC (C1, C9)

[A case of splenic tuberculosis] Coulaud JP, et al.
Bull Soc Pathol Exot 63:432-7, Jun-Aug 70 (Fre)

COMPLICATIONS

[Tuberculosis of deep hematopoietic organs and its hematologic manifestations. Apropos of 6 personal cases] Debray J, et al.
Sem Hop Paris 47:1828-43, 14 Jun 71 (Fre)

DIAGNOSIS

[Tuberculosis of the spleen] Kujawski R, et al.
Wiad Lek 24:351-4, 15 Feb 71 (Pol)

TUBERCULOSIS, UROGENITAL (C1, C6)

Genito-urinary tuberculosis. A study of the disease in one unit over a period of 24 years. Gow JG.
Ann R Coll Surg Engl 49:50-70, Jul 71
Present position of urinary tuberculosis. Borthwick WM. Br J Urol 42:643-6, Dec 70
[Tuberculosis in urology] Arnold E.
Praxis 59:250-6, 17 Feb 70 (Fre)
[Does urogenital tuberculosis exist in women?] Wemeau L, et al. Rein Fois 13:9-50, 1970 (Fre)
[Prevention and treatment of tuberculosis of the urogenital system] Ruszkowski J.
Ginekol Pol 41:957-60, Sep 70 (Pol)

COMPLICATIONS

Ureteric obstruction in tuberculosis. Claridge M.
Br J Urol 42:688-92, Dec 70
Calcification in genito-urinary tuberculois. Ross JC.
Br J Urol 42:656-60, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Tuberculous ureteric strictures. Story HF.
Br J Urol 42:737, Dec 70
Nursing care study: colovesicoplasty. Scullion HM.
Nurs Times 67:963-6, 15 Jul 71
[Recurrence of stenosing tuberculous ureteritis. Recovery after medical treatment alone] Lazzaretti R. J Urol Nephrol (Paris) 77:284-5, Mar 71 (Fre)
[Case of total sequestration of the bladder mucosa in tuberculosis] Drobner VL, et al.
Probl Tuberk 48:81-2, 1970 (Rus)

DIAGNOSIS

Genitourinary tuberculosis. Br Med J 2:183-4, 24 Apr 71
Urogenital tuberculosis in children. Ehrlich RM, et al.
J Urol 105:461-5, Mar 71
[Supervision of urinary tuberculosis. Kidney scanning as a useful routine investigation method in diagnosis and supervision] Blaja C, et al.
Urol Int 25:297-309, 1970 (Ger)
[Determination of activity in urogenital tuberculosis] Opl G.
Wien Med Wochenschr 120:975-8, 19 Dec 70 (Ger)
[Detection of Koch's bacillus in urine by means of filtrating membranes] Bissi A, et al.
Minerva Chir 25:145-52, 15 Feb 70 (Ita)

DRUG THERAPY

Results of treatment in a large series of cases of genito-urinary tuberculosis and the changing pattern of the disease. Gow JG. Br J Urol 42:647-55, Dec 70
Genitourinary tuberculosis. Horne NW.
Br Med J 2:587-8, 5 Jun 71
[Is the corticoid treatment of tuberculous ureteral stenosis promising success?] Carstensen E, et al.
Z Urol Nephrol 62:327-30, 1969 (Ger)
[Experiences with new tuberculostatics in the treatment of urogenital tuberculosis (capreomycin, ethambutol, rifampicin)] May P, et al.
Z Urol Nephrol 62:657-62, 1969 (Ger)
[Some aspects of combined tuberculostatic-corticoid treatment in urotuberculosis] Mebel M.
Z Urol Nephrol 62:701-3, 1969 (Ger)
[Value of inoculation of the urine sediment on the tissue culture in the diagnosis and assessment of the results of tuberculostatic treatment of urotuberculosis] Stoianovici S, et al.
Z Urol Nephrol 62:663-5, 1969 (Ger)
[Blood bacteriostatic activity in patients with tuberculosis of the urogenital system undergoing different methods of administration of antibacterial drugs] Gabinskif BSh.
Probl Tuberk 49:80-2, 1971 (Rus)

ENZYMOLOGY

[Enzymatic activity of aminotransferases in the urine of patients with urogenital tuberculosis] Jasiewicz Z, et al. Gruzlica 39:119-24, Feb 71 (Pol)

ETIOLOGY

Transmission of M. tuberculosis via genital tract. Cooper HG. J Urol 104:914-5, Dec 70
[Concurrences between urogenital and pulmonary tuberculosis] Kiss G, et al.
Prax Pneumol 24:644-51, Oct 70 (Ger)
[Pathogenesis of urogenital tuberculosis] Uldrich J.
Z Urol Nephrol 62:643-6, 1969 (Ger)

FAMILIAL & GENETIC

[Infectivity of urogenital tuberculosis] Weiger H.
Prax Pneumol 25:106-8, Feb 71 (Ger)

METABOLISM

[Fractional composition of 17-ketosteroids in the urine of men with tuberculosis of the urinary and urogenital systems] Bektursunova NS.
Sov Zdravookhr Kirg 6:7-9, Nov-Dec 70 (Rus)

MICROBIOLOGY

Efficiency of medium B-3 for the isolation of tubercle bacteria from menstrual blood and from endometrium in female genital tuberculosis. Banić S, et al.
Pathol Microbiol (Basel) 36:123-6, 1970
[Need for animal experiments using urine in urogenital tuberculosis--the clinical viewpoint] Née G.
Z Urol Nephrol 62:667-71, 1969 (Ger)

MORTALITY

[Critical view of medical records of urogenital-tuberculosis death cases] Csernus JA, et al. Prax Pneumol 24:652-7, Oct 70 (Ger)

OCCURRENCE

Genito-urinary tuberculosis in an area with a large Asian immigrant population. Carruthers RK, et al.
Br J Urol 42:535-9, Oct 70
Genito-urinary tuberculosis in South Australia. Jose JS.
Br J Urol 42:737, Dec 70
The incidence of genito-urinary tuberculosisin the Western Region of Scotland. Ruce LG.
Br J Urol 42:637-41, Dec 70
[Renal tuberculosis in childhood and adolescence] Suda J. Prax Pneumol 24:711-27, Nov 70 (Ger)
[Epidemiology of urogenital tuberculosis in Hungary] Bálint J, et al. Z Urol Nephrol 62:429-38, 1969 (Ger)

RADIOGRAPHY

Radiology in the management of urinary tract tuberculosis. Roylance J, et al.
Br J Urol 42:679-87, Dec 70
[Experience with infusion urography in destructive forms of tuberculosis of the urinary system] Gafarov AI. Probl Tuberk 49:39-42, 1971 (Rus)

REHABILITATION

[Importance of rehabilitation of patients with urogenital tuberculosis] Griesbach S, et al.
Z Urol Nephrol 62:711-2, 1969 (Ger)

SURGERY

Pyeloileal cutaneous anastomosis for diversion in urinary tract tuberculosis. Mahoney EM, et al.
Am J Surg 122:421-3, Sep 71
Results of treatment in a large series of cases of genito-urinary tuberculosis and the changing pattern of the disease. Gow JG. Br J Urol 42:647-55, Dec 70
Surgical treatment of genito-urinary tuberculosis. A report on 762 cases. O'Flynn D.
Br J Urol 42:667-71, Dec 70
Late resuls of cystoplasty in chronic tuberculous cystitis. Wesolowski S. Br J Urol 42:697-703, Dec 70
Genitourinary tuberculosis. Horne NW.
Br Med J 2:587-8, 5 Jun 71
[Current status of nephrectomy in medico-surgical treatment of urogenital tuberculosis] Kalachnikoff P, et al. Ann Urol (Paris) 3:73-9, May 69 (Fre)
[Plastic surgery of the ureter] Sulmoni A.
Ther Umsch 27:283-7, May 70 (Ger)
[Indications for reconstructive operations in the region of the urogenital system] Mayor G.
Z Urol Nephrol 62:685-8, 1969 (Ger)
[Surgical treatment of tuberculous urethral strictures] Schmiedt E. Z Urol Nephrol 62:705-9, 1969 (Ger)
[Sigmoid-cystoplasty in tuberculous contraction of the bladder] Takayasu H, et al.
Shujutsu 25:411-7, Apr 71 (Jap)

THERAPY

[Treatment and surveillance of urinary tuberculosis] Mazeman E. Lille Med 16:17-22, 1971 (Fre)
[Therapy of internal extrapulmonary tuberculosis] Gabler A. Med Klin 66:73-7, 15 Jan 71 (Ger)
[Ambulatory after care of patients with urogenital tuberculosis] Rothkopf M.
Z Urol Nephrol 62:713-6, 1969 (Ger)

TUBERCULOSIS VACCINES (D12)

see also related
BCG VACCINATION (E2)

Studies with the light microscope and electron microscope of lung macrophages in rabbits inoculated with an attenuated stain of Mycobacterium microti. Sula L, et al. Bull WHO 43:853-7, 1970
Influence of V.D.S. (diffusible killed antitubercular vaccine Salvioli) on the course of experimental tuberculosis in guinea-pigs evoked by H 37 Rv strain bacilli. Fafrowicz B, et al.
Clin Pediatr (Bologna) 52:299-302, Jul 70
A comparative study of Thai liquid and freeze-dried BCG vaccine with Japanese freeze-dried BCG vaccine. Sunakorn B, et al. J Med Assoc Thai 53:836-42, Dec 70
Specific and nonspecific stimulation of resistance in mice against infection with Mycobacterium tuberculosis H37Rv. Ribi E, et al.
Pneumonologie 142:264-73, 1970
[The protective activity of mycobacterial antigens. 3. Protective activity of killed mycobacterial bodies] Stavri D, et al.
Arch Roum Pathol Exp Microbiol 29:91-101, Mar-Jun 70 (Fre)
[Sealing of lyophilized BCG in argon and its advantages] Sturdza SA, et al.
Arch Roum Pathol Exp Microbiol 29:57-65, Mar-Jun 70 (Fre)
[Preliminary note on the association of BCG and measles vaccines] Dutertre J, et al.
Med Trop (Mars) 29:603-6, Sep-Oct 69 (Fre)
[Comparison of allergization capacity and protective effect of 3 BCG strains] Mydlak G.
Z Erkr Atmungsorgane 133:83-7, Dec 70 (Ger)
[Immunoprophylaxis in dental caries using Salvioli's diffusing vaccine] Branzi A, et al.
Clin Pediatr (Bologna) 52:336-50, Aug 70 (Ita)
[Tubercular morbidity from 0 to 9 years of age in the province of Bologna in the decade 1960-1969 and preventive vaccinations with SDV] Chieco A.
Clin Pediatr (Bologna) 52:285-7, Jun 70 (Ita)
[Appearance of Fong's "protection factor" in animals vaccinated with Salvioli's diffusing vaccine] Degli Esposti A. Clin Pediatr (Bologna) 52:312-4, Jul 70 (Ita)
[Anti-tuberculosis vaccination with SDV (Salvioli's diffusing vaccine) in the second decade of its use] Gotti D. Clin Pediatr (Bologna) 52:255-70, Jun 70 (Ita)
[Value of Salvioli's diffusing vaccine during 20 years of use and comparative tests at the Istituto Provinciale Infanzia e Maternita in Bologna] Grandi F.
Clin Pediatr (Bologna) 52:332-5, Aug 70 (Ita)
[Antitubercular vaccination in Gargagno: report on 10 years of experience with Salvioli's diffusing vaccine] Lotti F. Clin Pediatr (Bologna) 52:320-4, Jul 70 (Ita)
[Prospects of the use of the anti-tuberculosis vaccination with SDV (Salvioli's diffusing vaccine) in the current epidemiologic phase of tuberculosis] Mariani B.
Clin Pediatr (Bologna) 52:275-9, Jun 70 (Ita)
[Prophylactic Savioli's diffusing vaccine in Trieste] Rocco L.
Clin Pediatr (Bologna) 52:329-31, Aug 70 (Ita)
[Health center for antitubercular vaccination with Savioli's diffusing vaccine in the pediatric department in Formigine] Rossi G.
Clin Pediatr (Bologna) 52:351-2, Aug 70 (Ita)
[Salvioli's antitubercular vaccination: primary social imporatnce in protection of the individual and the community] Spicciarelli DA.
Clin Pediatr (Bologna) 52:317-9, Jul 70 (Ita)
[3 years of prophylactic vaccination with Savioli's diffusing vaccine in the community hospital of Soave in Verona] Visentin G.
Clin Pediatr (Bologna) 52:353-6, Aug 70 (Ita)
[Stability in time of biologic and enzymatic characteristics of some preparations of Savioli's diffusing vaccines prepared 5-12 years ago and preserved without special precautions] Vitale G, et al.
Clin Pediatr (Bologna) 52:303-9, Jul 70 (Ita)
[Recent aspects of BCG vaccination] Lind A.
G Ital Mal Torace 24:119-27, May-Jun 70 (Ita)
[The immunogenic and allergenic antigens of mycobacteria. I. Laboratory models for evaluation of the immunizing capacity of tuberculosis vaccines] Iablokova TB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:8-13, Feb 70 (Rus)
[The results of studying BCG vaccine in tissue culture] Rozenberg AM.
Zh Mikrobiol Epidemiol Immunobiol 47:13-8, Feb 70 (Rus)

ADMINISTRATION & DOSAGE

Unusual complication of B.C.G. vaccination. Watkins SM. Br Med J 1:442, 20 Feb 71
Trials with oral B.C.G. Mathur YC, et al.
Indian Pediatr 7:492-5, Sep 70
Comparative experimental study of sensitivity to tuberculin and lepromin in guinea-pigs previously inoculated with BCG by oral and intradermal routes. Azulay RD, et al. Int J Lepr 38:373-8, Oct-Dec 70
[Study of the influence of work rate in B.C.G. vaccination by injector under pressure without needle] Gateff C, et al.
Med Trop (Mars) 30:654-62, Sep-Oct 70 (Fre)
[Whom, how and when to vaccinate against tuberculosis] Taronna S.
Clin Pediatr (Bologna) 52:280-4, Jun 70 (Ita)
[BCG vaccination by oral technic. Critical review on vaccination studies using oral BCG in the Tuberculosis Unit of the Division of Communicable Diseases of WHO] Rosemberg J, et al.
Hospital (Rio de J) 78:39-162, Jul 70 (289 ref.) (Por)
[Experimental study of the efficacy of simultaneous vaccination by a needleless method against tuberculosis, smallpox and tetanus] Ishkil'din MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:71-6, 1971 (Rus)

ADVERSE EFFECTS

Caseation of lymph nodes in infants after intracutaneous BCG vaccination with original French vaccine. Zapalnik-Kobierska MH, et al.
Pol Med J 10:85-91, 1971
[Lymphadenitis caused by BCG vaccine and confirmed by bacteriologic investigation] Rudoĭ NM, et al.
Pediatriia 49:79-80, Nov 70 (Rus)

DIAGNOSTIC USE

[Significance of the BCG diagnostic test to detect postvaccinal allergy in adolescents intradermally revaccinated with BCG vaccine] Nosachevskiĭ GA.
Probl Tuberk 48:20-3, 1970 (Rus)

PHARMACODYNAMICS

Experimental study of the immunogenic and allergenic activity of different batches of Czechoslovak and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Danish BCG vaccine in guinea pigs. Průchová J, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 14:469-80, 1970

STANDARDS

[Comparative studies of 5 BCG substranins. I. Residual virulence of the French, Soviet, Swedish, Japanese and Rumanian substrains] Gheorghiu M, et al. Arch Roum Pathol Exp Microbiol 28:531-9, Jun-Sep 69

Standardization of freeze-dried BCG vaccine by means of vaccination tests. Hesselberg I. Scand J Resp Dis [Suppl] 72:Suppl 72:53-8, 1970

[Comparative studies of 5 BCG substrains. IV. Development of hemagglutinating antibodies in rabbits vaccinated with BCG vaccines of different origins] Gheorghiu M, et al. Arch Roum Pathol Exp Microbiol 28:549-55, Jun-Sep 69 (Fre)

[Comparative studies of 5 BCG substrains. 3. Anti-tuberculous resistance acquired by BCG vaccination with 5 vaccines of different origins] Paraschivesco M, et al. Arch Roum Pathol Exp Microbiol 28:545-8, Jun-Sep 69 (Fre)

[Comparative studies of 5 G substrains. II. Tuberculin sensitization with 5 BCG vaccines] Paraschivesco M, et al. Arch Roum Pathol Exp Microbiol 28:541-4, Jun-Sep 69 (Fre)

THERAPEUTIC USE

[The course of tuberculous inflammaton in guinea pigs, vaccinated with BCG, under the effect of hypersensitization] Diaconiță G. Arch Roum Pathol Exp Microbiol 29:249-63, Mar-Jun 70 (Fre)

[SDV (Salvioli's diffusing antitubercular vaccine) in immunotherapeutic use in acute leukemias in childhood] Salvioli GP, et al. Minerva Pediatr 23:249-51, 11 Feb 71 (Ita)

TUBEROUS SCLEROSIS (C10, F2)

A case of tuberose sclerosis in the newborn. Batstone GF, et al. Acta Paediatr Scand 60:349-52, May 71

The significance of a white macule on the skin of a child. Bundey S. Dev Med Child Neurol 12:805-6, Dec 70

[Tuberous sclerosis (Bourneville-Pringle disease)] Korten JJ, et al. Ned Tijdschr Geneeskd 114:1909-16, 14 Nov 70 (Dut)

[Respiratory manifestations of phacomatosis] Israel-Asselain R, et al. Poumon Coeur 27:145-53, 1971 (Fre)

[Fetal adenoma and cancer of the thyroid gland in a patient with tuberous sclerosis (Bourneville's disease)] Ghidini O, et al. Minerva Med 62:1669-78, 21 Apr 71 (Ita)

COMPLICATIONS

Tuberous sclerosis and the lungs. Letcher RG. Br Med J 3:371, 7 Aug 71

Tuberous sclerosis and the lungs. Spittle MF. Br Med J 3:371, 7 Aug 71

Tuberous sclerosis and the lungs. Br Med J 3:64, 10 Jul 71

Agenesis of vocal cords in a case of tuberous sclerosis. Lautch H, et al. J Laryngol Otol 85:871-5, Aug 71

[Renal and osseous localizations in Bourneville's tuberous sclerosis] Labrune B, et al. Ann Pediatr (Paris) 17:774-82, 2 Nov 70 (Fre)

[Interstitial desquamative pneumonia and pulmonary phakomatosis (apropos of an anatomo-clinical case)] Leménager J, et al. J Fr Med Chir Thorac 25:201-10, Feb-Mar 71 (Fre)

[Spontaneous hematoma of the renal bed, manifesting as Bourneville tuberous sclerosis (disseminated angiomyolipomatosis)] Michaud B. J Urol Nephrol (Paris) 76:950-4, Oct-Nov 70 (Fre)

[Spontaneous pneumothorax revealing Bourneville's tuberous sclerosis] Balmes A, et al. Mars Med 107:823-8, 1970 (Fre)

[Abdominal aorta aneurysm during Bourneville's tuberous sclerosis] Freycon F, et al. Pediatrie 26:421-7, Jun 71 (Fre)

[Respiratory manifestations in the course of Bourneville's tuberous sclerosis associated with lymphangiomyomatosis] Fardou H, et al. Poumon Coeur 27:293-308, 1971 (Fre)

[Kidney hamartomas in tuberous sclerosis] Jörg H. Fortschr Geb Roentgenstr Nuklearmed 114:381-7, Mar 71 (Ger)

[Intraventricular brain tumors in tuberous sclerosis. Case report with embryologic and histopathologic considerations] Borromei A, et al. Arch Ital Anat Istol Patol 43:302-14, 1970 (Ita)

[Clinical study of tuberous sclerosis] Cante C, et al. Osp Psichiatr 38:333-58, Jul-Sep 70 (Ita)

[Cystic changes in the mandible of Pringles disease] Jarosz M, et al. Czas Stomatol 24:501-6, May 71 (Pol)

DIAGNOSIS

Pulmonary tuberous sclerosis. Report of three patients and a review of the literature. Dwyer JM, et al. Q J Med 40:115-25, Jan 71

[Achromic spots: early and frequent sign of Bourneville's tuberous sclerosis (anatomoclinical data)] Maleville J, et al. Bull Soc Fr Dermatol Syphiligr 76:455-8, 1969 (Fre)

[Nodular cerebral calcifications. A major sign of incomplete tuberous sclerosis] Kissel P, et al. Rev Otoneuroophtalmol 41:251-4, Jul-Aug 69 (Fre)

[Skin phacomatoses] De Luca M. Rass Int Clin Ter 51:175-6, 15 Feb 71 (Ita)

ETIOLOGY

[Hormonal dependence of brain tumors] Babchin IS. Vopr Onkol 16:29-31, 1970 (Rus)

FAMILIAL & GENETIC

Genetic aspects of tuberous sclerosis in a Chinese population. Singer K. Am J Hum Genet 23:33-40, Jan 71

Tuberose sclerosis without adenoma sebaceum. Bundey S, et al. J Ment Defic Res 14:243-9, Sep 70

Genetic factors in neurological disease: tuberous sclerosis. Bundey S. Proc R Soc Med 64:185, Feb 71

PATHOLOGY

[Peculiar appearance of blast cells in the skin manifestations of Bourneville's tuberous sclerosis] Duperrat B, et al. Bull Soc Fr Dermatol Syphiligr 76:868-70, 1969 (Fre)

[Rhabdomyoma of the heart with tuberous sclerosis of the brain and micropolycystic kidney in an infant] Orlandi P, et al. Fracastoro 63:740-9, Sep-Oct 70 (Ita)

PHYSIOPATHOLOGY

Involvement of the lungs in tuberous sclerosis. Malik SK, et al. Chest 58:538-40, Nov 70

TUBOCURARINE (D2, D5)

CT1341: further studies in man. Baird WL, et al. Br J Anaesth 43:723-3, Jul 71

Neuromuscular effects of halothane, suxamethonium and tubocurarine in a myasthenic undergoing thymectomy. Baraka A, et al. Br J Anaesth 43:91-5, Jan 71

Comparison of effects of three anaesthetic techniques on patients with severe pulmonary obstructive disease. Boutros AR, et al. Can Anaesth Soc J 18:286-92, May 71

Innovar as an adjunct to nitrous oxide, oxygen, curare anaesthesia. Catton DV, et al. Can Anaesth Soc J 18:172-7, Mar 71

The measurement of acetylcholine released from mammalian skeletal muscle in the presence of curare. Fletcher P, et al. J Physiol (Lond) 211:Suppl:39P+, Dec 70

[Comparative study of curarizing drugs alyl-N-toxiferine (Aloferin) and d-tubocurarine] Vela Díaz R, et al. Rev Esp Anestesiol Reanim 18:193-203, Apr 71 (Spa)

ADMINISTRATION & DOSAGE

Cardioactive properties of d-tubocurarine with and without preservatives. Dowdy EG, et al. Anesthesiology 34:256-61, Mar 71

Sensitivity to tubocurarine and alcuronium with special reference to plasma protein pattern. Stovner J, et al. Br J Anaesth 43:385-91, Apr 71

[Method for study of curarizing and decurarizing agents by means of registration of diaphragmatic respiration] Bachev SG. Farmakol Toksikol 34:244-5, 1971 (Rus)

ADVERSE EFFECTS

Severe bronchospasm and circulatory collapse following the administration of d-tubocurarine. Takki S, et al. Ann Clin Res 3:112-5, Apr 71

Arterial hypotension caused by a combination of raised intrathoracic pressure and certain muscle relaxants. Preliminary communication. Dye DJ. Br J Anaesth 42:1135-8, Dec 70

Prolonged curarization in a patient with renal failure. Case report. Riordan DD, et al. Br J Anaesth 43:506-8, May 71

Bronchial spasm during general anaesthesia. Brandus V, et al. Can Anaesth Soc J 17:269-74, May 70

[Histamine liberation by d-tubocurarine] Leweit W. Cah Anesthesiol 19:69-73, Jan-Feb 71 (Fre)

ANTAGONISTS & INHIBITORS

Heart-rate changes after atropine and neostigmine given for the reversion of muscle paralysis. Kjellberg M, et al. Acta Anaesthesiol Scand 14:203-10, 1970

Reversal of curarization with atropine-neostigmine mixture in patients with congenital cardiac disease. Salem MR, et al. Br J Anaesth 42:991-8, Nov 70

An anticurare effect of hexamethonium at the mammalian neuromuscular junction. Ferry CB, et al. Br J Pharmacol 41:388P+, Feb 71

A clinical evaluation of pyridostigmin bromide in the reversal of curarization. Gotta AW, et al. Can Anaesth Soc J 17:527-34, Sep 70

[Usefulness of pantothenate for decurarization] Darutzi A, et al. Anaesthesist 20:110-2, Mar 71 (Ger)

[The antimyorelaxant effect of cholinopotentiating drugs] Prozorovskiĭ VB, et al. Biull Eksp Biol Med 69:51-4, Jun 70 (Rus)

[Comparative characteristics and analysis of the anti-curare action of cholinopotentiating agents] Prozorovskiĭ VB, et al. Eksp Khir Anesteziol 15:78-81, Nov-Dec 70 (Rus)

BLOOD

[Transplacental crossing of myorelaxants] Berenger C, et al. Cah Anesthesiol 18:699-710 passim, Oct 70 (Fre)

METABOLISM

Binding of d-[dimethyl-14C]tubocurarine, acetylcholinesterase and proteolipids in subcellular membranes of cerebral cortex of the developing rat. Gómez CJ, et al. J Neurochem 17:1485-92, Oct 70

PHARMACODYNAMICS

The effect of d-tubocurarine on the kinetics of decamethonium uptake by mouse kidney slices. Holm J. Acta Pharmacol Toxicol (Kbh) 28:370-7, 1970

Effect of tubocurarine on the relationship between the resting arterial blood pressure and the magnitude of pressure response. Niechaj A. Acta Physiol Pol 22:301-11, 1970

Sensitivity to tubocurarine and alcuronium with special reference to plasma protein pattern. Stovner J, et al. Anaesthesia 26:92, Jan 71

The site and mode of action of propanidid on the peripheral motor unit. Ellis FR. Anaesthesist 20:19-22, Jan 71

Cardiac and peripheral vscular effects of d-tubocurarine in man. Longnecker DE, et al. Anesth Analg (Cleve) 49:880-5, Jul-Aug 70

Some synergistic effects of d-tubocurarine and gallamine. Wong KC, et al. Anesth Analg (Cleve) 50:285-90, Mar-Apr 71

The effects of d-tubocurarine and its commercial vehicles on cardiac function. Carrier O Jr, et al. Anesthesiology 33:627-34, Dec 70

The interaction of diazepam with myoneural blocking agents. Dretchen K, et al. Anesthesiology 34:463-8, May 71

The interaction of d-tubocurarine with antiarrhythmic drugs. Harrah MD, et al. Anesthesiology 33:406-10, Oct 70

Inhibition of succinylcholine-induced increased intragastric pressure by nondepolarizing muscle relaxants and lidocaine. Miller RD, et al. Anesthesiology 34:185-8, Feb 71

Comparative neuromuscular effects of Forane and halothane alone and in combination with d-tubocurarine in man. Miller RD, et al. Anesthesiology 35:38-42, Jul 71

Antiarrhythmic effects of skeletal muscle relaxants. Wong KC, et al. Anesthesiology 34:458-62, May 71

"Relative" staircase potentiation of the muscle twitch in the partially curarized normal human muscle. Reinhold H, et al. Arch Int Pharmacodyn Ther 185:204-7, May 70

Stimulus frequency in the detection of neuromuscular block in humans. Ali HH, et al. Br J Anaesth 42:967-78, Nov 70

Action of muscle relaxant drugs on cardiac cholinergic receptors in the isolated rabbit heart. Goat VA, et al. Br J Anaesth 43:203-4, Feb 71

Haemodynamic effects of tubocurarine, gallamine and suxamethonium in dogs. Hughes R. Br J Anaesth 42:928-34, Nov 70

A comparison of some cardiovascular effects of tubocurarine and pancuronium in dogs. Smith G, et al. Br J Anaesth 42:923-7, Nov 70

Microinjections of tubocurarine, leptazol, strychnine and picrotoxin into the cerebral cortex of anaesthetized cats. Banerjee U, et al. Br J Pharmacol 40:6-22, Sep 70

Comparison of the neuromuscular blocking action of (+)-tubocurarine and piperazine in the leech, frog, rat and cat. Hanahoe TE, et al. Br J Pharmacol 41:421P+, Feb 71

Diazepam and neuromuscular blocking drugs. Webb SN, et al. Br Med J 3:640, 11 Sep 71

Effect of D-tubocurarine and anaesthesia upon cardiac output in normal and histamine-depleted dogs. Lee D, et al. Can Anaesth Soc J 18:157-65, Mar 71

The effect of D-tubocurarine upon the static elastic recoil of the thorax. Nisbet HI, et al. Can Anaesth Soc J 18:304-9, May 71

Decamethonium in depolarized muscle and the effects

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of tubocurarine. Creese R, et al.
J Physiol (Lond) 210:345-61, Sep 70
Direct and indirect activation of the hippocampus by tubocurarine. Feldberg W, et al.
J Physiol (Lond) 210:697-716, Oct 70
Heart rate responses of the curarized rat. Hahn WW, et al. Psychophysiology 7:429-35, Nov 70
Effect of trasylol on the action of muscle relaxants and the serum cholinesterase activity. Iwatsuki K, et al.
Tohoku J Exp Med 104:105-9, Jun 71
[Experimental study of curarization on the isolated diaphragm of the rat and on its reaction to excitation at various temperatures] Jacque M.
C R Soc Biol (Paris) 164:1311-5, 1970 (Fre)
[Action of d-tubocurarine injected into motor neuron nuclei of the lumbar spinal cord in the cat] Chanelet J, et al. J Physiol (Paris) 1:Suppl 1:103-3, 1969 (Fre)
[Potentiation of contraction in the partially curarized muscle] Reinhold H, et al.
J Physiol (Paris) 62:Suppl 2:308, 1970 (Fre)
[Effect of muscle relaxants on variously evoked potentials in non-anesthesized rabbits and cats] Lösener B, et al.
Acta Biol Med Ger 25:635-43, 1970 (Ger)
[Influence of d-tubocurarin on the release of acetylcholine by motor nerve-endings] Bauer H.
Pfluegers Arch 328:162-83, 1971 (Ger)
[The dissociation constant between curare and the acetylcholine receptor] Kruckenberg P, et al.
Pfluegers Arch 326:184-92, 1971 (Ger)
[Effects of environmental temperature, tubocurarine and pentobarbital on oxygen consumption in thyroidectomized and thyroxine treated rats] Kurahashi M.
Folia Endocrinol Jap 46:796-9, 20 Oct 70 (Jap)
[Study of muscle relaxants using evoked electromyography. 2. Characteristic patterns of recovery curve with M-response during effective period of muscle relaxants] Suzuki H, et al.
Jap J Anesthesiol 19:1455-62, Dec 70 (Jap)
[Natural curares and d-tubocurarine effects on human blood clotting and prothrombin time] Canali J, et al.
Mem Inst Oswaldo Cruz 65:167-73, 1967 (Por)
[The effect of imidazole and carnosine on the duration of myoneural block created by polarizing and depolarizing agents] Boldyrev AA.
Biull Eksp Biol Med 66:51-5, Sep 68 (Rus)
[Effect of ether and fluorothane on the comparative sensitivity of muscles to anatruxonium and D-tubocurarine chloride] Lepakhin VK.
Farmakol Toksikol 33:538-42, Sep-Oct 70 (Rus)
[Mechanism of antiacetylcholine effects of some mononitrous cholinolytics in the neuromuscular synapse] Magazanik LG.
Farmakol Toksikol 34:292-7, May-Jun 71 (Rus)
[Anticholinesterase activity of bis-quaternary ammonium derivatives of truxillic acids] Samoilov DN. Farmakol Toksikol 34:149-55, 1971 (Rus)

THERAPEUTIC USE

Control of succinylcholine-induced myotonia by d-tubocurarine. Baraka A, et al.
Anesthesiology 33:669-70, Dec 70
The management of severe postpartum eclampsia with D-tubocurarine and controlled ventilation in the intensive care unit. Chan WF, et al.
Aust NZ J Obstet Gynaecol 10:187-9, Aug 70
[Electrocardiographic findings in tetanus patients treated with curare and subjected to intermittent positive respiration. Observations on 4 cases] Fassio PG, et al. G Mal Infett Parassit 21:834-42, Nov 69 (Ita)
[Prevention of muscular fibrillations after ther use of depolarizing relaxants in children] Fominykh VP, et al. Khirurgiia (Mosk) 46:98-102, Jul 70 (Rus)

TOXICITY

Failure of muscle relaxants to produce cleft palate in mice. Jacobs RM. Teratology 4:25-9, Feb 71

TULAREMIA (C1)

[Rabbit fever (Ohara's disease): tularemia] Oara S.
Naika 27:445-6, Mar 71 (Jap)

DIAGNOSIS

Demonstration of Francisella tularensis (syn. Pasteurella tularensis) in sylvan animals with the aid of fluorescent antibodies. Karlsson KA, et al.
Acta Pathol Microbiol Scand [B] 78:647-51, 1970
The tularemia skin test. 325 skin tests in 210 persons: serologic correlation and review of the literature. Buchanan TM, et al. Ann Intern Med 74:336-43, Mar 71
Tularemia. Evans GP.
Can Med Assoc J 103:1394, 19 Dec 70
[Two cases of tularemia in the province of Quebec] Gattereau A, et al.
Can Med Assoc J 103:512-5, 12 Sep 70 (Fre)
[Some characteristics of sero-allergic tests for tularemia] Dunaeva TN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:12-6, Apr 71 (Rus)

IMMUNOLOGY

[An electrophoretic study of the protein composition of tularemia diagnostic sera] Shkurko ED, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:43-7, Feb 70 (Rus)

MICROBIOLOGY

[Interrelations between the infective agents of tularemia and listeriosis in vitro and in vivo] Pomanskaia LA.
Zh Mikrobiol Epidemiol Immunobiol 47:36-42, Apr 70 (Rus)

OCCURRENCE

Tularemia in hamster hunters. Szekelyfoldi J.
Del Med J 42:305-6, Nov 70
[Tularemia in Rumania] Pencea I, et al.
Bull Soc Pathol Exot 62:343-8, 1969 (Fre)
[Human tularemia] Heidel G.
Monatsh Vet Med 24:406-8, 1 Jun 69 (Ger)
[Use of the fluorescent antibody technic for resolution of several epidemiologic questions concerning tularemia] Kheruvimova IA.
Tr Leningr Inst Epidemiol Mikrobiol 37:259-65, 1970 (Rus)
[Epidemiology of tularemia in the Komi ASSR] Levin AM.
Tr Leningr Inst Epidemiol Mikrobiol 37:235-46, 1970 (Rus)
[Epidemiology of tularemia in the Arkhangel district] Sosnitskif VI.
Tr Leningr Inst Epidemiol Mikrobiol 37:247-58, 1970 (Rus)
[Epidemiologic regionalization of the Leningrad district with regard to tularemia] Ul'ianova NI.
Tr Leningr Inst Epidemiol Mikrobiol 37:224-9, 1970 (Rus)
[A study of a natural focus of tularemia in the flood plains of the small rivers of the Leningrad district] Ul'ianova NI, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:230-4, 1970 (Rus)
[Structure of natural foci of tularemia in the catchment areas of small and medium rivers. I. Dislocation of elementary foci of tularemia in the Desna River valley] Adamovich VL.
Zh Mikrobiol Epidemiol Immunobiol 48:31-6, Apr 71 (Rus)
[Characteristics of natural foci of tularemia in the Khabarovsk region] Busoedova NM, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:26-31, Apr 71 (Rus)
[Current state of tularemia foci of meadow-field type in the European USSR] Oisuf'ev NG, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:117-21, 1971 (Rus)
[Distribution of natural foci of tularemia in Sakhalin] Timofeeva AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:94-7, Jan 71 (Rus)

PATHOLOGY

[Morphological changes in the organs of albino mice in mixed tularemia and listeriosis infection] Gets II, et al. Arkh Patol 32:48-53, 1970 (Rus)

PHYSIOPATHOLOGY

Behavioral effects of infectious diseases: respiratory Pasteurella tularensis in man. Alluisi EA, et al.
Percept Mot Skills 32:647-68, Apr 71

PREVENTION & CONTROL

[Tularemia morbidity during winter-spring farm labor and its prevention] Miasnikov IuA.
Zh Mikrobiol Epidemiol Immunobiol 46:90-6, Oct 69 (Rus)
[Use of a needleless syringe in anti-tularemia vaccination] Oisuf'ev NG, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:93-5, Apr 70 (Rus)
[Comparative clinical trial of tularemia vaccines prepared from variants of Gaiskii's strain 15] Oisuf'ev NG, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:55-7, May 71 (Rus)

SURGERY

[Surgery of oculo-glandular tularemia] Molnár L.
Klin Monatsbl Augenheilkd 158:584-92, Apr 71 (Ger)

VETERINARY

Tularemia in a pet squirrel monkey (Saimiri sciureus). Emmons RW, et al. Lab Anim Care 20:1149-53, Dec 70

TUMOR VIRUSES see ONCOGENIC VIRUSES (B4)

TUMORS see NEOPLASMS (C2)

TUNGSTEN (D1)

Chemical studies on an acriflavine-phosphotungstate complex; staining of phage deoxyribonucleic acid molecules for the electron microscope. Chan-Curtis V, et al. J Histochem Cytochem 18:828-34, Sep 70
Cytochemical localization of nucleic acids by an acriflavine-phosphotungstate complex for fluorescence microscopy and electron microscopy. Chan-Curtis V, et al.
J Histochem Cytochem 18:609-27, Sep 70
The attenuation of x-radiation generated at constant potentials sufficient to excite K-radiation in a tungsten target. Soole BW.
Phys Med Biol 16:427-37, Jul 71
Experimental continuous and L-characteristic x-ray spectra for tungsten target tubes operated at 15 to 30kV. Unsworth MH, et al.
Phys Med Biol 15:831-42, Oct 70
Theoretical continuous and L-characteristic x-ray spectra for tungsten target tubes operated at 10 to 50kV. Unsworth MH, et al.
Phys Med Biol 15:821-30, Oct 70
[Studies on tertiary amine oxides. XLI. Preparation of aromatic N-oxides of pyridine series by oxidation with hydrogen peroxide-sodium tungstate] Hamana M, et al. J Pharm Soc Jap 91:134-7, Jan 71 (Jap)
[Current status of industrial hugiene problems in the hydrometallurgical production of tungsten and molybdenum salts and oxides] Goliakova LP.
Gig Tr Prof Zabol 15:4-8, 1971 (Rus)

ADVERSE EFFECTS

[Pulmonary fibrosis in 3 workers in the same factory exposed to cobalt and tungsten carbide dust. Pulmonary disorders in the hard metal industry. Apropos of an occupational survey] Dorsit G, et al.
Sem Hop Paris 46:3363-76, 14 Dec 70 (Fre)

ANALYSIS

Detection of radiotungsten in rainwater. Mamuro T, et al. Health Phys 20:86-9, Jan 71
[Discovery of 181 W and 185 W in the fallout] De Franceschi L, et al.
Minerva Fisiconucl 15:20-7, Jan-Mar 71 (Ita)
[Natural content of tungsten in water sources of some population centers of Central and South Urals] Nadeenko VG, et al. Gig Sanit 36:96-7, 1971 (Rus)

PHARMACODYNAMICS

Inhibition of growth of Lactobacillus casei by tungstate and its reversal by molybdate. Owen EC, et al.
Biochem J 119:23P-24P, Sep 70
Growth of the riboflavin-splitting rumen organism Eubacterium fissicatena in the presence of tunstate and molybdate. Owen EC, et al.
Biochem J 119:24P, Sep 70
The induction of Bacillus licheniformis penicillinase by vanadate, molybdate and tungstate anions. Davies JW, et al. Biochim Biophys Acta 217:552-4, 15 Oct 70
[Inhibitors of the murine leukemia sarcoma group viruses. Silicotungstates] Raynaud M, et al.
C R Acad Sci [D] (Paris) 272:347-8, 11 Jan 71 (Fre)

TURBELLARIA (B1)

Protection of snails against miracidia of Schistosoma mansoni by various aquatic invertebrates. Cheruin E, et al. J Parasitol 57:217-9, Apr 71
[Histogenesis in planarians] Chandebois R.
Annee Biol 9:543-54, Jul-Oct 70 (Fre)

CLASSIFICATION

[Studies on populations of the planarian Dugesia benazzii with two types of oocytes: statistical analysis of the relative frequencies and observations of a genetic order] Benazzi M, et al.
Riv Biol 63:145-68, Apr-Jun 70 (Mul)

CYTOLOGY

Identical linear order of chromosomes in both gametes of the acoel turbellarian Polychoerus carmelensis: a preliminary note. Costello DP.
Proc Natl Acad Sci USA 67:1951-8, Dec 70

DRUG EFFECTS

[Evolution of the incorporation of tritiated leucine into the blastema and of the levels of mitosis, during the regeneration of young planarians treated with actinomycin D] Gabriel A, et al.
C R Acad Sci [D] (Paris) 272:2017-20, 14 Apr 71 (Fre)

EMBRYOLOGY

Gastrulation in the turbellarian Hydrolimax grisea (Platyhelminthes; Plagiostomidae): formation of the

epidermal cavity, inversion and epiboly. Newton WD.
Biol Bull 139:539-48, Dec 70
Regulative development in a spiralian embryo as shown by cell deletion experiments on the Acoel, Childia. Boyer BC. J Exp Zool 176:97-105, Jan 71
[Multiple anlage of seminal vesicles and their cirri in turbellaria Convoluta convoluta (Abildgaard)] Mamkaev IuV, et al.
Dokl Akad Nauk SSSR 196:1474-6, 21 Feb 71 (Rus)

GROWTH & DEVELOPMENT

[Somatic embryogenesis caused by some injurious factors in the planarian Dugesia tigrina (Girard)] Isseva VV.
Vestn Leningr Univ [Biol] 4:33-41, Nov 69 (Rus)

METABOLISM

Lipid metabolism in the parasitic and free-living flatworms, Schistosoma mansoni and Dugesia dorotocephala. Meyer F, et al.
Biochim Biophys Acta 210:257-66, 14 Jul 70
[Action of actinomycin D on the cellular differentiation during regeneration in planarians. II. Autoradiographic histological and ultrastructural studies on the action of antibiotics on RNA synthesis] Le Moigne A, et al.
Z Zellforsch Mikrosk Anat 115:442-60, 1971 (Fre)

PHYSIOLOGY

Bipolar head regeneration in Planaria induced by chick embryo extracts. Rodriguez LV, et al.
Biol Bull 140:117-24, Feb 71
Oögenesis of the freshwater turbellarian Hydrolimax grisea (Platyhelminthes; Plagiostomidae) with special reference to the history of the supernumerary asters and central bodies. Newton WD.
J Morphol 132:27-46, Sep 70
Similarities in protozoan and flatworm habituation behavior. Applewhite PB.
Nature [New Biol] 230:284-5, 28 Apr 71
[Increase in the power of regeneration in planarians from lethal ddae irradiation by stimulation of the cell type I system] Chandebois R.
C R Acad Sci [D] (Paris) 272:1417-9, 8 Mar 71 (Fre)
[Migration of neoblasts in case of anterior regeneration in the planarian Dendrocoelum lacteum] Stéphan-Dubois F, et al.
C R Soc Biol (Paris) 164:1825-9, 1970 (Fre)
[Action of actinomycin D on the cellular differentiation during regeneration in planarians. I. Morphological, histological and ultrastructural studies on the regeneration capacity in the presence of antibiotics] Gabriel A, et al.
Z Zellforsch Mikrosk Anat 115:426-41, 1971 (Fre)

RADIATION EFFECTS

Recovery effect of serotonin-creatinine sulfate complex on X-irradiated planarians. Villalobos-Pietrini R, et al.
Experientia 27:441-2, 15 Apr 71
[The implantation of a labelled graft to follow the regeneration of normal or total body irradiated planarians] Gabriel A.
Annee Biol 9:519-26, Jul-Oct 70 (Fre)
[Increase in the power of regeneration in planarians from lethal dose irradiation by stimulation of the cell type I system] Chandebois R.
C R Acad Sci [D] (Paris) 272:1417-9, 8 Mar 71 (Fre)

TURBIDIMETRY see under DENSITOMETRY (E5)

TURBINATES (A2, A4)

Fibromyoma of posterior end of inferior turbinal. Ram M. J Laryngol Otol 85:719-21, Jul 71
[An unusual accident caused by nasal intubation for anesthesia] Fabre L, et al.
J Fr Otorhinolaryngol 18:817, Dec 69 (Fre)

GROWTH & DEVELOPMENT

Pathogenicity of feline viral rhinotracheitis virus and effect on germfree cats, growing bone, and the gravid uterus. Hoover EA, et al.
J Am Vet Med Assoc 158:Suppl 2:929+, 15 Mar 71

INNERVATION

Mapping of rabbit olfactory cells. Mulvaney BD, et al.
J Anat 107:19-30, Jul 70

PATHOLOGY

Fine structure of bone cells in the nasal turbinates of pigs with naturally occurring atrophic rhinitis. Fetter AW, et al. Am J Pathol 62:265-82, Feb 71
Studies on the etiology of infectious atrophic rhinitis of swine. 3. Field survey by agglutinatin test in riation to incidence of B. bronchiseptica ad turbinate atrophy. Kang BK, et al. Jap J Vet Sci 33:17-23, Feb 71
Ultrastructural evaluation of bone cells in pigs with experimental turbinate osteoporosis (atrophic rhinitis). Fetter AW, et al.
Lab Invest 24:392-403, May 71
[Electron microscopic study of the epithelium of the upper respiratory passages in patients with acute respiratory virus infections] Liarskaia TIa, et al.
Vopr Virusol 15:190-6, Mar-Apr 70 (Rus)

SURGERY

[Technic of double-action submucous electrocoagulation of the turbinates] Ammar-Kohdja A.
Rev Laryngol Otol Rhinol (Bord) 92:38-9, Jan-Feb 71 (Fre)
[Surgical treatment of some forms of chronic allergic rhinosinusitis] Koz'minykh VI.
Vestn Otorinolaringol 32:83-4, Nov-Dec 70 (Rus)

TURKEYS (B2)

Prevalence of avian encephalomyelitis in turkey breeder flocks. Deshmukh DR, et al.
Am J Vet Res 32:1263-7, Aug 71
An epiornithic of avian encephalomyelitis in turkeys in Minnesota. Hohlsteiwm, et al.
Am J Vet Res 31:2233-4, Dec 70
Mycoplasma meleagridis and Escherichia coli infections in germfree and specific-pathogen-free turkey poults: pathologic manifestations. Moorhead PD, et al. Am J Vet Res 31:1645-53, Sep 70
Methods of transmission of fowl cholera in turkeys. Pabs-Garnon LF, et al. Am J Vet Res 32:1119-20, Jul 71
Pathogenesis of single and mixed infections caused by Mycoplasma meleagridis and Mycoplasma gallisepticum in turkey embryos. Reis R, et al.
Am J Vet Res 32:63-74, Jan 71
Mycoplasma meleagridis and Escherichia coli infections in germfree and specific-pathogen-free turkey poults: production of complicated airsacculitis. Saif YM, et al.
Am J Vet Res 31:1637-43, Sep 70
Transmissibility of avian influenza-A viruses. Samadieh B, et al. Am J Vet Res 32:939-45, Jun 71
Preliminary toxicologic study of three organophosphate insecticidal compounds in turkeys. Schlinke JC, et al. Am J Vet Res 32:495-8, Mar 71
Dissecting aneurysms in turkeys and man. Collins JJ Jr. Arch Surg 102:159-60, Feb 71
Isolation of turkey herpesvirus in cell culture. Mustaffa-Babjee A, et al. Aust Vet J 47:125, Mar 71
Report of the committee on Nomenclature and Reporting of Disease, Northeastern Conference on Avian Disease, June 1970. Bryant ES, et al.
Avian Dis 14:851-7, Nov 70
Research technique--inoculation of Pasteurella multocida into the palatine air spaces as an exposure method for fowl cholera in turkeys. Donahue JM, et al.
Avian Dis 15:158-62, Jan-Mar 71
Field trials of vaccines for Marek's disease. Eidson CS, et al. Avian Dis 15:312-22, Apr-Jun 71
The effect of antibiotics on Arizona 7:1,7,8 within turkey hatching eggs. Greenfield J, et al.
Avian Dis 15:254-61, Apr-Jun 71
Disease reports of the Southern Conference on Avian Diseases (SCAD) 1969. Hall CF, et al.
Avian Dis 14:858-75, Nov 70
Effect of novobiocin on fowl cholera in turkeys. Hamdy AH, et al. Avian Dis 14:770-8, Nov 70
Fowl cholera: immune response in turkeys. Heddleston KL, et al. Avian Dis 14:626-35, Nov 70
Characterization of the antibody response of turkeys to Mycoplasma meleagridis. Kleven SH, et al.
Avian Dis 15:291-8, Apr-Jun 71
Dynamics of salmonella infection in fryer roaster turkeys. Kumar MC, et al.
Avian Dis 15:221-32, Apr-Jun 71
Principal poultry diseases diagnosed, North Central Poultry Disease Conference Area, 1969. McDowell JR.
Avian Dis 14:829-40, Nov 70
Avian disease diagnoses in the Western States and Western Canada. 1969. Mathey WJ, et al.
Avian Dis 14:841-50, Nov 70
The intestinal microflora of turkeys: comparison of apparently healthy and bluecomb-infected turkey poults. Naqi SA, et al. Avian Dis 15:14-21, Jan-Mar 71
The intestinal microflora of turkeys. Naqi SA, et al.
Avian Dis 14:620-5, Nov 70
A comparison of the growth of various microorganisms in air spaces of the turkey head. Olson LD.
Avian Dis 14:676-82, Nov 70
The effect of aflatoxin on immunity in turkeys. I. Impairment of actively acquired resistance to bacterial challenge. Pier AC, et al.
Avian Dis 14:797-809, Nov 70
Effects of gamma radiation on the pathogenicity of Histomonas meleagridis. Ruff MD, et al.
Avian Dis 14:646-53, Nov 70
Effect of avian influenza-A viruses upon egg production and fertility of turkeys. Samadieh B, et al.
Avian Dis 14:715-22, Nov 70
The isolation and properties of the predominant anaerobic bacteria in the caeca of chickens and turkeys. Barnes EM, et al.
Br Poult Sci 11:467-81, Oct 70
Differences between cull and normal turkeys in natural infection with Mycoplasma meleagridis at one day of age. Fox ML, et al. Can J Comp Med 34:285-8, Oct 70
Multiplication of Pasteurella multocida in the spleen, liver and blood of turkeys inoculated intravenously. Pabs-Garnon LF, et al.
Can J Comp Med 35:147-9, Apr 71
A new influenza A virus infection in turkeys. VII. Comparative immunology. Rouse BT, et al.
Can J Comp Med 35:44-51, Jan 71
Fourth stage Ascaridia spp. larvae associated with high mortality in turkeys. Hemsley RV.
Can Vet J 12:147-9, Jul 71
A review of Mycoplasma infections relative to Mycoplasma meleagridis. Vlaovic MS, et al.
Can Vet J 12:103-9, May 71 (81 ref.)
The ultrastructure of Heinz bodies in horse, dog, and turkey erythrocytes. Simpson CF.
Cornell Vet 61:228-38, Apr 71
Histomoniasis in gnotobiotic chickens and turkeys: biological aspects of the role of bacteria in the etiology. Springer WT, et al.
Exp Parasitol 28:383-92, Dec 70
Precooking and reheating of turkey. Effects of microwave vs. conventional methods. Cipra JE, et al.
J Am Diet Assoc 58:28-40, Jan 71
Serum enzymes in histomoniasis in the turkey. Beg MK, et al. J Comp Pathol 80:415-8, Jul 70
Pathogenesis of Mycoplasma meleagridis in diethylstilboestrol treated turkey embryos and poults. Reis R, et al. J Comp Pathol 81:235-42, Apr 71
The pathophysiological effect of Syngamus trachea infection in turkeys. Varga I.
J Comp Pathol 81:63-9, Jan 71
Potential uses of parthenogenetic development in turkeys. Olsen MW. J Hered 60:346-8, Nov-Dec 69
Effect of bile on infectivity of Histomonas meleagridis of liver origin. Lund EE, et al.
J Protozool 17:564-6, Nov 70
Quantifying bacteria on poultry carcass skin. Avens JS, et al. Poult Sci 49:1309-15, Sep 70
Effect of semen quality on fertility in turkeys. Brown KI, et al. Poult Sci 50:295-7, Jan 71
Effect of some cryophylactic agents on turkey spermatozoa. Brown KI, et al.
Poult Sci 50:832-5, May 71
Horizontal transmission of turkey herpesvirus to chickens. 1. Preliminary observation. Cho BR, et al.
Poult Sci 50:881-7, May 71
Food metabolizability in normal and bluecomb diseased turkeys. Duke GE, et al. Poult Sci 49:1037-42, Jul 70
Effect of osmotic pressure of semen extenders on the fertility and hatchability of turkey eggs. Graham EF, et al. Poult Sci 50:836-8, May 71
Electrocardiographic study of round heart disease in turkey poults. Jankus EF, et al.
Poult Sci 50:481-6, Mar 71
Safety of sulfadimethoxine potentiated mixture (Rofenaid), a new broad spectrum coccidiostat-antibacterial, in turkeys. Marusich WL, et al. Poult Sci 50:512-7, Mar 71
Anticoccidial activity of sulfadimethoxine potentiated mixture (Rofenaid) in turkeys. Mitrovic M, et al.
Poult Sci 50:517-25, Mar 71
Antibacterial activity of sulfadimethoxine potentiated mixture (Rofenaid) in turkeys. Mitrovic M, et al.
Poult Sci 50:525-9, Mar 71
The response of chicks, ducklings, goslings, pheasants and poults to graded levels of aflatoxins. Muller RD, et al. Poult Sci 49:1346-50, Sep 70
Field trials with the herpes virus of turkeys (HVT) strain FC126 as a vaccine against Marek's disease. Purchase HG, et al. Poult Sci 50:775-83, May 71
The role of biotin in the nutrition of turkey poults. Robbins AR, et al. Poult Sci 49:976-81, Jul 70
Tylosin tartrate absorption of turkey and chicken eggs dipped using pressure and temperature differentials. Saif YM, et al. Poult Sci 49:1641-9, Nov 70
Observations concerning the use of 1-methyl-2-carbamoyloxymethyl-5-nitroimidazole against experimentally induced histomoniasis in turkey poults. Shelton GC, et al.
Poult Sci 49:1077-81, Jul 70
Effectiveness of gentamicin sulfate against Paracolobactrum arizonae infection of turkey poults. Solis J, et al. Poult Sci 49:1668-73, Nov 70
Gentamicin treatment of Arizona 7: 1,7,8 (Paracolon) infection in young turkeys. Stephens JF.
Poult Sci 49:1159-63, Sep 70
Rofenaid treatment of Arizona (paracolon) 7:1,7,8 and Salmonella typhimurium infections in young turkeys. Stephens JF, et al. Poult Sci 50:925-31, May 71
The response of turkey poults to moenomycin. Waldroup PW, et al. Poult Sci 49:1754-5, Nov 70
Food poisoning outbreak in Kentucky traced to creamed turkey. Kelsay RC.
Public Health Rep 85:1103-8, Dec 70
The response of recently isolated strains of Eimeria meleagrimitis to chemotherapy. Joyner LP, et al.
Res Vet Sci 11:349-53, Jul 70
Staphylococcal osteomyelitis of the avian vertebral column. Wise DR. Res Vet Sci 12:169-71, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Chorioretinitis and buphthalmos in turkeys. Barnett KC, et al. Vet Rec 88:620-7, 12 Jun 71
Aspergillosis in five-to-16-week-old turkeys. Hacking A, et al. Vet Rec 88:519-20, 15 May 71
Excretion of Salmonella agona in turkeys. Shreeve BJ, et al. Vet Rec 88:480-1, 1 May 71
Experimental reproduction of Turkey Syndrome '65 by infection with M. gallisepticum. Wannop CC, et al. Vet Rec 88:30-3, 9 Jan 71
The role of mycoplasma WRI as a primary pathogen of poultry. Wise DR, et al. Vet Rec 87:505-6, 24 Oct 70
[Interspecific transfers of primordial gonocytes in birds] Reynaud G.
Annee Biol 9:495-500, Jul-Oct 70 (Fre)
[CELO virus infection in turkeys] Ahmed AA.
Berl Munch Tieraerztl Wochenschr 84:211-3, 1 Jun 71 (Ger)
[Studies on pericarditis, "round-heart disease", and endocarditis in turkeys with special reference to changes in the electrocardiogram] Gabraschanski P, et al.
Dtsch Tieraerztl Wochenschr 78:392-4, 15 Jul 71 (Ger)
[Hexamitosis in turkeys] Pietsch M.
Monatsh Vet Med 26:464-9, 15 Jun 71 (Ger)
[Occurrence of Laminosioptes cysticola in the abdominal organs of a hen turkey] Kaliner G.
Pathol Vet 7:321-8, 1970 (Ger)
[Typing and antigenic correlations of a stral of influenza virus isolated from turkeys with avian, equine, swine and human strains of Myxovirus influenzae] Martone F, et al.
Acta Med Vet (Napoli) 16:277-81, May-Aug 70 (Ita)
[Isolation of influenza virus type A on a turkey farm in Campania] Papparella V, et al.
Acta Med Vet (Napoli) 15:105-13, May-Aug 69 (Ita)
[Diagnosis of turkey erysipelas] Grishchenko NF, et al.
Veterinariia 7:104-5, Jul 70 (Rus)

EMBRYOLOGY

The identity of the air sacs of the turkey (Meleagris gallopavo). King AS, et al.
Acta Anat (Basel) 77:78-91, 1970
Weights of some internal organs and glands of fully developed parthenogenetic and normal turkey embryos. Olsen MW. Poult Sci 49:1733-5, Nov 70

GROWTH & DEVELOPMENT

Compensatory growth after under-nutrition in market turkeys: effect of low protein feeding and realimentation on body composition. Auckland JN, et al. Br Poult Sci 12:137-50, Jan 71
A note on the protein requirements for early finishing of male turkeys. Auckland JN.
Br Poult Sci 12:283-5, Apr 71
Compensatory growth in turkeys: effect of undernutrition on subsequent protein requirements. Auckland JN, et al. Br Poult Sci 12:41-8, Jan 71
Influence of dietary cupric sulfate on the response of young turkeys to penicillin-streptomycin (1:3). Bowen TE, et al. Poult Sci 50:273-8, Jan 71
"Extra caloric" effect of dietary fat for developing turkeys as influenced by calorie-protein ratio. Jensen LS, et al. Poult Sci 49:1697-704, Nov 70
Lysine and total sulfur amino acid requirements of turkey poults, one day to three weeks. Kummero VE, et al. Poult Sci 50:752-8, May 71
The effect of ipronidazole on performance of growing turkeys. Messersmith RE, et al.
Poult Sci 50:960-6, May 71
Protein requirement of poults to 8 weeks of age. Summers JD, et al. Poult Sci 50:858-61, May 71
The effect of de-snooding on liveweight gain in turkeys. Holroyd PH, et al. Vet Rec 88:510, 15 May 71

IMMUNOLOGY

Antigenic relationships between the egg white proteins and the serum proteins of chickens and turkeys. Naqi SA, et al. Poult Sci 49:1248-51, Sep 70

METABOLISM

Transport of spermatozoa in the reproductive tract of turkey hens. Howarth B Jr. Poult Sci 50:84-9, Jan 71

PHYSIOLOGY

Reproduction of turkeys as affected by age at lighting and light intensity. McCartney MG.
Poult Sci 50:861-2, Mar 71
Effect of dietary neomycin-terramycin on reproductive performance in turkeys. Touchburn SP, et al.
Poult Sci 50:151-5, Jan 71

TURNER-KIESER SYNDROME see NAIL-PATELLA SYNDROME (C16)

TURNER'S SYNDROME (C6, C7, C16)

Chromosomal and dermatoglyphic changes in twins. Yarema WA, et al.
Acta Genet Med Gemellol (Roma) 19:405-16, Jul 70
Short arm deletion of an X chromosome in a 19-year-old girl. Bachman R, et al.
Am J Ment Defic 75:435-41, Jan 71
Comments on patients with sex chromosome aneuploidy: dermatoglyphs, parental ages, Xg a blood group. Borgaonkar DS, et al.
J Med Genet 7:345-50, Dec 70
Xq- Turner's syndrome: reconsideration of hypothesis that Xp- causes somatic features in Turner's syndrome. Hecht F, et al. J Med Genet 7:1-4, Mar 70
Possible X-autosomal translocation in a girl with gonadal dysgenesis. Thorburn MJ, et al.
J Med Genet 7:402-6, Dec 70
45,X-46, XY mosaicism. A case with typical Turner stigmata and occipital webbing. Kajii T, et al.
Jap J Hum Genet 15:248-54, Mar 71
Male Turner's syndrome: a case report with normal external genitalia, hormonal assays and secondary sex characteristics. DeVilliez RL, et al.
Milit Med 135:786-90, Sep 70
Fertility in a 45,X female. Nakashima I, et al.
Pediatrics 47:770-3, Apr 71
Masculinized Turner's syndrome XY-XO mosaicism. Edwards OM. Proc R Soc Med 64:300-1, Mar 71
Gonadal dysgenesis, Turner's syndrome and phenotype in the South African Bantu. Grace HJ.
S Afr Med J 45:28-36, 9 Jan 71
[Fertility of 45,X-46,XX and 45,X-46,XX-47,XXX women] Giraud F, et al.
Ann Genet (Paris) 13:255-8, Dec 70 (Fre)
[Male Turner's syndrome] Bidder J, et al.
Ann Med Psychol (Paris) 1:557-66, Apr 71 (Fre)
[Hemorrhagic Turner's syndrome (without mosaicism)] Jamain B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:405-9, Sep-Oct 70 (Fre)
[45 X-47 XXX mosaicism and atypic Turner's phenotype: initial note] Gagné R.
Laval Med 40:280-1, Mar 69 (Fre)
[Gonadal dysgenesis 46,XY] Guinet P.
Rev Lyon Med 19:609-21, 15 Oct 70 (Fre)
[Noonan's syndrome--Turner phenotype] Shvil I, et al.
Harefuah 79:178-80, 16 Aug 70 (Heb)
[A case of Turner's syndrome in a newborn infant. (Importance of examination of dermatoglyphics)] Bolgiani Naddeo MP, et al.
Minerva Pediatr 21:619-23, 14 Apr 69 (Ita)
[Presentation of 4 cases of Turner's syndrome "in the strict sense". Considerations on the abnormalities of the skeletal and urinary systems] Garofalo P, et al.
Minerva Pediatr 23:316-35, 25 Feb 71 (Ita)
[Turner type malformation syndrome in a male] Verri B, et al. Minerva Pediatr 21:2131-5, 10 Nov 69 (Ita)
[Studying a case of mosaicism XO-XX R] Burgio GR, et al. Pediatria (Napoli) 78:113-33, 1970 (Ita)
[Mixed gonadal dysgenesis] Fonti FE, et al.
Pediatria (Napoli) 77:866-73, 1969 (Ita)
[Turner's syndrome] Ofuji T, et al.
Naika 28:143-50, 1971 (Jap)
[Clinical and cytogenetic studies in the syndrome of pure gonadal dysgenesis] Boczkowski K.
Endokrynol Pol 21:517-25, Sep-Oct 70 (Pol)
[Rhythm and rate of growth in individuals with Turner's syndrome] Goncerzewicz M, et al.
Endokrynol Pol 22:69-76, Jan-Feb 71 (Pol)
[Rare cases of gonadal dysgenesis and ovarian cystic degeneration in children] Szczepski O, et al.
Wiad Lek 23:2227-34, 15 Dec 70 (Pol)
[Gonadal aplasia] Luca LA de, et al.
Rev Paul Med 77:103-18, Apr 71 (Por)

CLASSIFICATION

[Mixed gonadal dysgenesis: its place among dysgenetic syndromes and its relation to gonocytoma] Muller P, et al.
Ann Endocrinol (Paris) 31:1014-21, Sep-Oct 70 (Fre)

COMPLICATIONS

Germ cell tumors associated with XY gonadal dysgenesis. Schellhas HF, et al.
Am J Obstet Gynecol 109:1197-204, 15 Apr 71
Gonadal dysgenesis with isolated clitoromegaly, XY karyotype, and bilateral gonocytoma with massive Leydig cell hyperplasia. Zárate A, et al.
Am J Obstet Gynecol 110:875-8, 15 Jul 71
Melanosis bulbi in Chinese boy with Turner's syndrome. Cheah JS, et al.
Aust NZ J Med 1:83-5, Feb 71
Concurrence of Turner's syndrome and anorexia nervosa. Dickens JA. Br J Psychiatry 117:237, Aug 70
Turner's syndrome with hygroma colli and an unusually severe skeletal defect. Ferrier PE.
Helv Paediatr Acta 25:248-52, Jul 70
45,XO Turner's syndrome, Wilm's tumor and imprforate anus. Say B, et al.
Humangenetik 12:348-50, 1971
Hypertension and aortic rupture in gonadal dysgenesis. Strader WJ 3d, et al. J Pediatr 79:473-5, Sep 71
Genitourinary tract abnormalities in Turner's syndrome (gonadal dysgenesis). Persky L, et al.
J Urol 105:309-13, Feb 71
Turner's phenotype: pregnancy and cyanotic congenital heart disease. Miller AP, et al.
JAMA 214:2337, 28 Dec 70
Sex-linked ichthyosis in XO gonadal dysgenesis. Solomon IL, et al. Lancet 1:1304-5, 19 Jun 71
The investigation and treatment of disturbed gender identity in a young white female as a result of unusual genetic and psychogenic factors. Pearlman T, et al.
S Afr Med J 44:1296-7, 14 Nov 70
Genitourinary tract abnormalities in Turner's syndrome (gonadal dysgenesis). Persky, et al.
Trans Am Assoc Genitourin Surg 62:135-9, 1970
[Testicular dysgenesis similar to male Turner syndrome with stenosis of the lower thoracic aorta and long Y chromosome] Bereni J, et al.
Ann Med Interne (Paris) 121:253-62, Feb 70 (Fre)
[The cardiopathies of Ullrich-Turner syndrome] Dupuis C, et al.
Arch Fr Pediatr 28:395-416, Apr 71 (Fre)
[Psychological and psychopathological study of 10 cases of Turner's syndrome] Broustra J, et al.
Bord Med 3:2957-8 passim, Dec 70 (Fre)
[Halasz' syndrome in a patient with Turner's syndrome] Fournier A, et al.
J Sci Med Lille 87:249-51, Mar 69 (Fre)
[Gonadal dysgenesis and thyroid diseases] Guinet P, et al. Rev Lyon Med 18:437-53, Jul-Aug 69 (Fre)
[Persistency of the cyclic sexual center in a XY gonadal dysgenesis] Nocke W, et al.
Acta Endocrinol [Suppl] (Kbh) 152:54, 1971 (Ger)
[Gonadoblastoma in a XY gonadal dysgenesis] Patt V, et al.
Acta Endocrinol [Suppl] (Kbh) 152:53, 1971 (Ger)
[Malignant degeneration of gonadal dysgenesis] Schaller A, et al.
Geburtshilfe Frauenheilkd 30:980-5, Nov 70 (Ger)
[Psychopathology in chromosome aberrations--the Ulirich Turner syndrome] Neuhäuser G.
Hippokrates 41:507-8, Dec 70 (Ger)
[Angiocardiopathies in Turner-syndrome] Trenckmann H, et al.
Verh Dtsch Ges Kreislauffforsch 32:240-6, 1966 (Ger)
[A case of Unna-Thorst hereditary keratosis of the hand and foot, associated with Ulirich-Turner syndrome and pseudoacanthosis nigricans in endocrine obesity] Jorda V, et al.
Z Haut Geschlechtskr 45:361-8, 1 May 70 (Ger)
[Turner syndrome and intestinal hemangiomatosis] Boga M, et al. Orv Hetil 111:2604-6, 1 Nov 70 (Hun)
[Case of mongolism with bilateral pterigium colli] Pantarotto MF.
Clin Pediatr (Bologna) 51:514-21, Oct 69 (Ita)
[Case of Turner's syndrome with juvenile Hashimoto's disease] Saito S, et al. Naika 26:783-6, Oct 70 (Jap)
[Case of Turner's syndrome associated with idiopathic diabetes insipidus] Otsuka K, et al.
Saishin Igaku 26:416-21, 10 Feb 71 (Jap)
[Rare morphological anomalies of the urinary tract in Turner's syndrome] Goncerzewicz M, et al.
Pol Tyg Lek 25:1707-9, 9 Nov 70 (Pol)
[Certain indices of renal function in cases of rare developmental anomalies of the urinary tract in Turner's syndrome] Goncerzewicz M, et al.
Pol Tyg Lek 25:1801-2, Nov 70 (Pol)
[2 cases of Turner's syndrome with aortic coarctation] Rawczyńska-Englert I.
Pol Tyg Lek 26:181-2, 1 Feb 71 (Pol)
[Skeletal changes in Shereshevskii-Turner's syndrome] Tikhonov VA.
Vestn Rentgenol Radiol 45:104-6, Jul-Aug 70 (Rus)
[Gonadal dysgenesis syndrome, combined with aortic coarctation in a 14-year old girl] Zakharova MA.
Pediatr Akush Ginekol 1:30, Jan-Feb 69 (Ukr)

DIAGNOSIS

Turner's syndrome. Wesson ME.
Am Orthopt J 21:50-8, 1971
Unusual Turner mosaicism (45,X-47,XXX;45,X-46,XXqi;45,X-46,XXr): detection through deceleration from normal linear growth or secondary amenorrhea. Hsu LY, et al.
J Pediatr 79:276-81, Aug 71
"Turner phenotypes" vs Noonan's syndrome. Char F.
JAMA 216:879-80, 26 Apr 71
Pure gonadal dysgenesis. Trethewey IS.
Proc R Soc Med 63:1052, Oct 70
[Congenital lymphedema and Turner's syndrome. 2 cases with XX-XO mosaicism] D'Oelsnitz M, et al.
Ann Pediatr (Paris) 18:17-23, 2 Jan 71 (Fre)
[A case of 45 XO Turner's syndrome. Cytohormonal interpretation of the vaginal smear in the test of ovarian stimulation with chorionic gonadotropin] Bădărău L, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:409-13, Sep-Oct 70 (Fre)
[Mosaicism 46 XX-45 X; height-weight deficit, pseudo-microcephalus without other sign of Turner's syndrome] Graux P, et al.
Rev Neurol (Paris) 123:451-2, Dec 70 (Fre)
[Study of sex chromatin in cases of primary amenorrhea with malformations of the external

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

genitalia] Ponticelli D.
Rass Int Clin Ter 49:1285-9, 31 Oct 69 (Ita)
[Some clinico-roentgenological parallels in dysgenesis of gonads] Vefnberg ZG, et al.
Akush Ginekol (Mosk) 46:47-50, Aug 70 (Rus)
[Pure gonadal dysgenesis. Report of a case] Gabilondo F, et al. Rev Invest Clin 23:49-53, Jan-Mar 71 (Spa)
[Turner's syndrome. Clinical characteristics and cytogenetic findings in 11 cases] Youlton R.
Rev Med Chil 99:125-8, Feb 71 (Spa)

EMBRYOLOGY

Germ cells and genital ridges. Rushton DI.
Arch Dis Child 45:708, Oct 70

ENZYMOLOGY

Protease inhibitor (Pi) phenotypes in chromosome aberrations. Aarskog D, et al.
J Med Genet 7:367-70, Dec 70

FAMILIAL & GENETIC

Turner's syndrome in medical, neurological and psychiatric wards. A psychiatric, cytogenetic and clinical study. Nielsen J.
Acta Psychiatr Scand 46:286-310, 1970
Isochromosome X. Scott WA.
Ala J Med Sci 7:313-7, Jul 70
Gonadal dysgenesis in a newborn with XO karyotype. Bove KE. Am J Dis Child 120:363-6, Oct 70
An XY human female with ovaries. Kadotani T, et al.
Am J Obstet Gynecol 110:98-102, 1 May 71
Three dicentric Y chromosomes. Angell R, et al.
Ann Hum Genet 34:39-50, Jul 70
Down's anomaly (21 trisomy) and Turner's syndrome (46, XXqi) in the same sibship. Casteels-Van Daele M, et al. Helv Paediatr Acta 25:412-20, Oct 70
Basal cell nevus syndrome and Turner's syndrome in a patient. Andreev VC, et al.
Int J Dermatol 10:13-6, Jan-Mar 61
Familial pure gonadal dysgenesis with clitoral hypertrophy and a normal female karyotype. Slotnick EA. J Am Osteopath Assoc 70:1167-78, Jul 71
Familial XY gonadal dysgenesis. Chemke J, et al.
J Med Genet 7:105-11, Jun 70
Turner's syndrome karyotypes. Gendel E.
JAMA 215:1160, 15 Feb 71
Mixed gonadal dysgenesis with Turner phenotype and XO-XYq- mosaicism. Takayasu H, et al.
Jap J Hum Genet 15:103-13, Sep 70
[Possible teratogenic effect of chromosomal clones not corresponding to the phenotype] Málková J, et al.
Cas Lek Cesk 110:341-3, 1971 (Cze)
[Familial Turner phenotype with direct transmission] Couvent G, et al.
Acta Paediatr Belg 24:91-6, 1970 (Dut)
[Heterocaryotic monozygotism] Turpin R.
Acta Genet Med Gemellol (Roma) 19:188-96, Jan-Apr 70 (Fre)
[Gonadal dysgenesis with female phenotype] Gerard P.
Acta Paediatr Belg 23:331-72, 1969 (Fre)
[Turner syndrome 45,X-46,XXq+] Quichaud J, et al.
Ann Endocrinol (Paris) 31:1153-5, Nov-Dec 70 (Fre)
[Duplication of an X chromosome in a case of Turner's syndrome (45,X-46,XXp+)] Emerit I, et al.
Ann Genet (Paris) 13:245-8, Dec 70 (Fre)
[A case of gonadal dysgenesis with 45X-46XXqi mosaicism (autoradiographic study of chromosomes)] Guinet P, et al. Rev Lyon Med 19:631-8, 15 Oct 70 (Fre)
[Mosaicism XX-XO-XXS-XS-XX?i in a woman-patient with Turner's syndrome] Golob E, et al.
Wien Klin Wochenschr 80:601-3, 2 Aug 68 (Ger)
[The phenomenon of twins in a family of patients affected by gonadal dysgenesis with female phenotype] Bigozzi U, et al.
Acta Genet Med Gemellol (Roma) 19:199-204, Jan-Apr 70 (Ita)
[2 cases of Turner's syndrome with diverse chromosome patterns; one 44 A-XO, the other 44 A-XisoX on the long arms] Giovannucci ML, et al.
Haematologica 54:763-94, 1969 (Ita)
[Translocation D-D and Turner's syndrome. Considerations on a rare association of chromosome pathology] Giovannucci ML, et al.
Haematologica 54:813-26, 1969 (Ita)
[Clinical and genetic aspects of fertility disorders of chromosome origin] Goebel KM, et al.
Minerva Med 61:5769-75, 15 Dec 70 (Ita)
[Turner's syndrome with ring X chromosome] Dallapiccola B, et al.
Rass Neurol Veg 23:243-55, 1969 (Ita)
[Turner's phenotype syndrome (Noonan's syndrome)] Kobielowa Z, et al.
Endokrynol Pol 21:505-15, Sep-Oct 70 (Pol)
[Turner's syndrome in the light of sex chromatin studies] Krawczyński M.
Endokrynol Pol 22:167-79, 1971 (Pol)
[Radioautography of human chromosomes] Nicoară S, et al. Med Interna (Bucur) 23:51-60, Jan 71 (Rum)
[Familial gonadal dysgenesis] Maximilian C, et al.
Stud Cercet Endocrinol 21:405-12, 1970 (46 ref.) (Rum)
[Familial character of Shereshevskif-Turner syndrome with karyotype 45, XO-46, XX] Rakhal'skif IuE, et al.
Probl Endokrinol (Mosk) 16:44-5, May-Jun 70 (Rus)

IMMUNOLOGY

Thyroid function in Turner's syndrome and allied conditions. McHardy-Young S, et al.
Lancet 2:1161-4, 5 Dec 70
[Immunity and chromosome aberrations] Crosato M, et al. Minerva Pediatr 23:156-62, 28 Jan 71 (Ita)

METABOLISM

The behaviour of some indices of calcium-phosphate metabolism in Turner's syndrome. Szczepski O, et al.
Acta Paediatr Scand 60:73-7, Jan 71
[Turner's syndrome and diabetes] Szczepski O, et al.
Endokrynol Pol 21:593-8, 1970 (Pol)

PATHOLOGY

"Mixed" gonadal dysgenesis, a case with male phenotype and 45,X-46,XY mosaicism. Hortling H, et al. Acta Endocrinol (Kbh) 65:229-43, Oct 70
Periosteal and endosteal surface remodeling in pathologic conditions. Dequeker J.
Invest Radiol 6:280-5, Jul-Aug 71

PHYSIOPATHOLOGY

Eighty-five cases of Turner's syndrome studies by EEG. Poenaru S, et al.
Electroencephalogr Clin Neurophysiol 30:372, Apr 71
Changes in adrenocortisol function of patients with gonadal dysgenesis after treatment with estrogen. Sobrinho LG, et al.
J Clin Endocrinol Metab 33:110-4, Jul 71
Studies on hypothalamo-pituitary-adrenocortical function of patients with the syndrome of gonadal dysgenesis. Hanada S. Nagoya Med J 16:201-14, Feb 71
[Electroencephalographic study of Turner's syndrome] Poenaru S, et al.
Acta Neurol Belg 70:509-22, Sep-Oct 70 (Fre)
[Apropos of 85 cases of Turner's syndrome studied by electroencephalography] Poenaru S, et al.
Rev Neurol (Paris) 123:261-2, Oct 70 (Fre)
[23 cases of Turner's syndrome: considerations on eye manifestations] Calogero R.
Ann Ottalmol Clin Ocul 95:983-1010, Dec 69 (Ita)
[Functional state of the thyroid gland in some congenital sexual development malformations] Vefnberg EG, et al.
Klin Med (Mosk) 48:89-93, Jul 70 (Rus)
[The electrical activity of the brain in the Shereshevskif-Turner syndrome and mosaicism] Godinova AM, et al.
Zh Nevropatol Psikhiatr 70:873-9, 1970 (Rus)

RADIOGRAPHY

Pelvic pneumoperitoneum in intersex disorders. Asymmetrical gonadal dysgenesis. McDonough PG, et al. Obstet Gynecol 37:368-71, Mar 71
[Radiologic aspects of skeletal changes in Turner's syndrome] Lurà A, et al.
Ann Radiol Diagn (Bologna) 42:227-56, 1969 (Ita)
[Radiological study of the cranium in female phenotype gonadal dysgenesis. Cephalometric findings] Cavina C, et al. Nunt Radiol 34:1661-72, Dec 68 (Ita)
[Pneumogynecography in the diagnosis of Shereshevskif-Turner syndrome] Kreĭnina EZ, et al.
Vestn Rentgenol Radiol 45:62-5, Jan-Feb 70 (Rus)

URINE

[Excretion of steroid hormones in Turner's syndrome] Glatzl J, et al.
Acta Endocrinol [Suppl] (Kbh) 152:99, 1971 (Ger)
[Determination of gonadotropins in urine in 3 cases of Turner's syndrome] Rizzoni G, et al.
Minerva Pediatr 22:1355-7, Jul 70 (Ita)

TURPENTINE (D13)

Metabolism of glycoproteins in turpentine granuloma. Prodi G, et al. Br J Exp Pathol 51:477-82, Oct 70
Respiratory reflex changes in the rat after toxic injury of the lungs with croton and turpentine oil. Korpáš J, et al. Physiol Bohemoslov 19:413-6, 1970
Eczema due to oil of turpentine. Pirilä V.
Ther Umsch 27:509-14, Aug 70

ADMINISTRATION & DOSAGE

[Influence of the time of administration of an inflammatory agent on the cortico-adrenal response in female rats] Szafarczyk A, et al.
J Physiol (Paris) 63:100A-101A, Mar-Apr 71 (Fre)

ADVERSE EFFECTS

Turps and turps.
Trans St Johns Hosp Dermatol Soc 57:223, 1971
[Skin reactivity to turpentine in patients with contact eczema] Szyszymar B, et al.
Przegl Dermatol 57:769-74, Nov-Dec 70 (Pol)

ANALYSIS

[Study of compound turpentine alcoholate called Floravanti alcoholate. Isolation and characterization of 3 main constituents] Rollet M, et al.
Ann Pharm Fr 28:841-8, Nov 70 (Fre)

ANTAGONISTS & INHIBITORS

Studies on the mediators of the acute inflammatory response induced in rats in different sites by carrageenan and turpentine. Di Rosa M, et al.
J Pathol 104:15-29, May 71

PHARMACODYNAMICS

Synthesis and secretion of alpha 2-(acute phase) globulin by the isolated perfused liver from injured adult rats. Sarcione EJ.
Biochemistry 9:3059-62, 21 Jul 70

POISONING

Pneumatoceles following aspiration of hydrocarbons. Neuhauser EB. Postgrad Med 49:57-9, Jan 71

TURTLES (B2)

Histochemical observations on the acrosome formation in the turtle spermiogenesis. Upadhyay SN, et al.
Acta Morphol Neerl Scand 8:79-84, Sep 70
Studies on digenetic Trematodes of Vertebrates. I. On four trematode parasites of turtles. Jahan A.
Ann Parasitol Hum Comp 45:793-803, Nov-Dec 70
Chloride transport across the isolated intestinal mucosa of Testudo graeca. Giordana B, et al.
Comp Biochem Physiol 36:395-401, 15 Sep 70
A comparative study of respiratory pigment concentrations in six species of turtles. Klicka J, et al.
Comp Biochem Physiol 38:53-8, 1 Jan 71
A karyological study of two species of tortoises from the Amazon Region of Brazil. Sampaio MM, et al.
Cytologia (Tokyo) 36:199-204, Jun 71
A new plasma kinin in the turtle, Pseudemys scripta elegans. Dunn RS, et al.
Experientia 26:1220-1, 15 Nov 70
Tumours in reptiles inoculated with chicken Rous sarcoma material. Veskova TK, et al.
Folia Biol (Praha) 16:353-5, 1970
Feeding electrograms of Hyalomma aegyptium ticks at different temperatures. Sweatman GK, et al.
J Med Entomol 7:575-84, Nov 70
Bizarre forms of the aetiologic agent in experimental Jorge Lôbo's disease in tortoises. Sampaio MM, et al.
Rev Inst Med Trop Sao Paulo 13:191-3, May-Jun 71
On a new species of the genus Astiotrema Looss, 1900 from the intestine of a fresh water turtle, Trionyx leithi, from Gulburga, Mysore State, India. Simha SS, et al. Riv Parassitol 32:21-5, Mar 71
Studies on the family Rhytidodidae Odhner, 1926, with a description of a new species Rhytidodes indicus, from the intestine of Eretmochelys squamosa, from Rameswaram, India. Simha SS, et al.
Riv Parassitol 30:95-100, Jun 69
Repair of a fractured shell and lacerated cornea in a tortoise. Northway RB.
Vet Med Small Anim Clin 65:944, Oct 70
Microspectrophotometric measurements of visual pigments in two species of turtle, Pseudemys scripta and Chelonia mydas. Liebman PA, et al.
Vision Res 11:105-14, Feb 71
Morphologic and cytochemic studies on the development of Chlamydia psittaci in tissue culture of a cold-blooded animal at 20 degrees C. Shindarov L, et al. Zentralbl Bakteriol [Orig] 216:9-14, 1971
[Corticotropin control of adrenal corticosteroidogenesis in lower vertebrates (reptiles, teleosts)] Leloup-Hatey J.
Comp Biochem Physiol 26:997-1013, Sep 68 (Fre)
[Are the S-potentials of color-type in the turtle retina related to the filter mechanism of color vision] Byzov AL, et al. Biofizika 16:294-8, Mar-Apr 71 (Rus)
[Ichthyosarcotoxism. A medical and health risk from marine fauna] Mira Gutiérrez J.
Rev Sanid Hig Publica (Madr) 44:447-515, Apr 70 (181 ref.) (Spa)

ANATOMY & HISTOLOGY

Cerebrospinal and extracellular fluid spaces in turtle brain. Heisey SR. Am J Physiol 219:1564-7, Dec 70
The ultrastructure of the lachrymal 'salt' gland and the Harderain gland in the euryhaline Malaclemys and some closely related stenohaline emydines. Cowan FB. Can J Zool 49:691-7, May 71
Studies on the fine structure of the capsular region of tortoise muscle spindles. Crowe A, et al.
J Anat 107:257-69, Sep 70
Vomeronasal receptors in turtles. Graziadei PP, et al.
Z Zellforsch Mikrosk Anat 105:498-514, 1970
Ultrastructure and histochemistry of the

ultimobranchial body of fresh-water turtles. Khairallah LH, et al. Z Zellforsch Mikrosk Anat 113:311-21, 1971
[Diencephalic tanycytes of cryptodirous turtles (Testudinoidea, Reptilia). II. Comparative histologic studies of the adult morphology of tanycytes of the third ventricle of several Testudinoidea] Bösel R. J Hirnforsch 12:29-43, 1970 (Ger)
[Tanycytes of the diencephalon of cryptodirous turtles (Testudines, Reptilia). 3. Fine structure of ependyma glial cells of the third ventricle in Testudo hermanni Gmelin] Bösel R. J Hirnforsch 12:195-206, 1970 (Ger)
[The terminal blood bed in the heart of the turtle (Testudo Hermanni)] Oštádal B, et al. Z Anat Entwicklungsgesch 134:111-6, 1971 (Ger)
[Cytoarchitectonics and neuron composition of the tegmen of the midbrain in the turtle (Emys orbicularis)] Davydova TV, et al. Arkh Anat Gistol Embriol 59:53-61, Aug 70 (Rus)
[Comparative study of the neuron architectonics of the principal cortical regions of the turtle forebrain] Davydova TV, et al. Arkh Anat Gistol Embriol 60:28-36, 1971 (Rus)
[Comparative study of the ultrastructure of cellular elements of some sections of reptilian and mammalian brains] Davydova TV. Tsitologiia 11:286-97, 1969 (Rus)
[Ultrastructure of the nerve endings in the optic tectum of the turtle] Davydova TV. Tsitologiia 13:433-40, Apr 71 (Rus)

EMBRYOLOGY

Survival of xenogeneic grafts of embryonic pigment and carapace rudiments in embryos of Chelydra serpentina. Yntema CL. J Morphol 132:353-9, Nov 70
Extirpation experiments on embryonic rudiments of the carapace of Chelydra serpentina. Yntema CL. J Morphol 132:235-43, Oct 70
[Sex ratio in the embryos of 2 chelonians (Testudo graeca L. and Emys orbicularis L.) born of artificially incubated ova] Pieau C. Diabetes 20:3071-4, Jul 71 (Fre)
[Tanycytogia in the diencephalon of cryptodirous tortoises (Testudines, Reptilia). I. Matrix dynamics and development of the ependyma in Emys orbicularis L. compared with the behavior in Eretmochelys imbricata L.] Bösel R. J Hirnforsch 11:519-35, 1969-70 (Ger)

ENZYMOLOGY

On the ontogeny, heterogeneity, and molecular weight interrelationships of the esterase and lactate dehydrogenase isoenzymes in the green turtle. Kingsbury N, et al. Biochim Biophys Acta 227:1-15, 13 Jan 71
[Kinetic study of cholinesterases of the Testudo graeca heart] Scherrer JR. J Physiol (Paris) 62:169-86, Mar-Apr 70 (Fre)
[Histochemical studies of some enzyme activities of the brain of Testuda graeca and Coturnix coturnix] Minelli G. Riv Biol 63:61-86, Jan-Mar 70 (Mul)

GROWTH & DEVELOPMENT

Developmental changes in lactate dehydrogenase isozymes of turtles. Mahmoud IY, et al. Life Sci [II] 10:955-60, 22 Aug 71

IMMUNOLOGY

Leptospiral agglutinating factor in turtles. Further studies on fractionated sera. Shenberg E, et al. Isr J Med Sci 6:408-12, May-Jun 70
The evolution of the immune response. XII. The immunoglobulins of the turtle. Molecular requirements for biologic activity of 5. Chartrand SL, et al. J Immunol 107:1-11, Jul 71

METABOLISM

Counterflow of sodium across short-circuited acid-killed turtle bladders. Gentile DE, et al. Am J Physiol 219:1192-9, Nov 70
Kidney extracts and ACTH on adrenal steroid secretion in a turtle and a crocodilian. Nothstine SA, et al. Am J Physiol 221:726-32, Sep 71

PHYSIOLOGY

Mechanical basis for lung volume variability in the turtle Pseudemys scripta elegans. Jackson DC. Am J Physiol 220:754-8, Mar 71
Physiological thermoregulation in turtles. Weathers WW, et al. Am J Physiol 221:704-10, Sep 71
Permeability characteristics of the intestinal epithelium and hibernation in "Testudo hermanni hermanni" gmelin. Gilles-Baillien M. Arch Int Physiol Biochim 78:327-38, Apr 70
Cerebrospinal fluid formation and bulk absorption in the freshwater turtle. Heisey SR, et al. Exp Neurol 31:258-62, May 71
Electrical responses of single cones in the retina of the turtle. Baylor DA, et al. J Physiol (Lond) 207:77-92, Mar 70
Heat production and chemical change in tortoise muscle. Walsh TH, et al. J Physiol (Lond) 206:457-69, Feb 70
The effect of temperature on ventilation in the turtle, Pseudemys scripta elegans. Jackson DC. Resp Physiol 12:131-40, Jun 71
[Functional organization of the visual analyzer of the tortoise] Gusel'nikov VI, et al. Fiziol Zh SSSR 56:1377-85, Oct 70 (Rus)

TWEENS see under SURFACE-ACTIVE AGENTS

(D13)

TWINS (G1, M)

see also related DISEASES IN TWINS (C17)

Models of proband concordance rates for twins in a clinical series. Allen G. Acta Genet Med Gemellol (Roma) 19:146-9, Jan-Apr 70
Do conception delays explain some changes in twinning rates? Allen G, et al. Acta Genet Med Gemellol (Roma) 19:30-4, Jan-Apr 70
Heritability of factors in creative thinking and esthetic judgment. Barron F. Acta Genet Med Gemellol (Roma) 19:294-8, Jan-Apr 70
Twinning and blood groups. I. ABO frequencies in twins and controls: immunological considerations. Bolognesi M, et al. Acta Genet Med Gemellol (Roma) 19:232-4, Jan-Apr 70
The serum Ig level in human twins. Carbonara AO, et al. Acta Genet Med Gemellol (Roma) 19:238, Jan-Apr 70
The Swedish twin registry--past and future use. Cederlöf R, et al. Acta Genet Med Gemellol (Roma) 19:351-4, Jan-Apr 70
Crime in a Danish twin population. Christiansen KO. Acta Genet Med Gemellol (Roma) 19:323-6, Jan-Apr 70
Multivariate analysis in twins. Defrise-Gussenhoven E. Acta Genet Med Gemellol (Roma) 19:150-4, Jan-Apr 70
The twin register of Lund. Essen-Möller E. Acta Genet Med Gemellol (Roma) 19:355, Jan-Apr 70
Correlations between personality structure and adrenocortical excretion patterns in MZ twins. Fox HM, et al. Acta Genet Med Gemellol (Roma) 19:132-4, Jan-Apr 70
Comparative analyses of twin data. Fulker DW, et al. Acta Genet Med Gemellol (Roma) 19:140, Jan-Apr 70
Chronological development of bones and teeth: a twin study. Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:75, Jan-Apr 70
Twin models. Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:141, Jan-Apr 70
Variability of the centromeric index of group A and group B chromosomes in MZ and DZ twins. Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:183, Jan-Apr 70
Twin registers: a progress report. Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:349-50, Jan-Apr 70
Twins and science. Gedda L. Acta Genet Med Gemellol (Roma) 19:10-4, Jan-Apr 70
Studies on twins. IV. Twinning in Madhya Pradesh. Goswami HK. Acta Genet Med Gemellol (Roma) 19:43, Jan-Apr 70
Studies on twins. IV. Twinning in Madhya Pradesh. Goswami HK. Acta Genet Med Gemellol (Roma) 19:465-71, Jul 70
Three serum enzymes in twins. Hosenfeld D, et al. Acta Genet Med Gemellol (Roma) 19:122-6, Jan-Apr 70
The twin-family method in psychiatric genetics illustrated from the investigations of Franz J. Kallmann. Hurst LA. Acta Genet Med Gemellol (Roma) 19:135-9, Jan-Apr 70
Chromosome chimerism and skin grafts in bovine twins and a shift in the sex ratio of their progeny. Lojda L, et al. Acta Genet Med Gemellol (Roma) 19:231, Jan-Apr 70
The changing incidence of twinning in Scotland in 1939-1968. MacGillivray I. Acta Genet Med Gemellol (Roma) 19:26-9, Jan-Apr 70
A survey of twins in the population of a prospective collaborative study. Myrianthopoulos NC. Acta Genet Med Gemellol (Roma) 19:15-23, Jan-Apr 70
Twins in sibships with Klinefelter's syndrome and the XYY syndrome. Nielsen J. Acta Genet Med Gemellol (Roma) 19:399-404, Jul 70
Placental forms and zygosity determination of twins in Ibadan, Western Nigeria: a study of 1,475 twin maternities. Nylander PP. Acta Genet Med Gemellol (Roma) 19:49-54, Jan-Apr 70
The inheritance of DZ twinning. A study of 18,737 maternities in Ibadan, Western Nigeria. Nylander PP. Acta Genet Med Gemellol (Roma) 19:36-9, Jan-Apr 70
Twinning in Nigeria. Nylander PP. Acta Genet Med Gemellol (Roma) 19:457-64, Jul 70
Genetic components in motivational aspects of character. Oancea-Ursu G. Acta Genet Med Gemellol (Roma) 19:291-3, Jan-Apr 70
The role of Xg a blood group incompatibility in fetal loss--twin study. Plato CC, et al. Acta Genet Med Gemellol (Roma) 19:235-7, Jan-Apr 70
A comparison of twin and sibling studies for a developmental theory of schizophrenia. Pollack M, et al. Acta Genet Med Gemellol (Roma) 19:303-4, Jan-Apr 70
The unique contribution of twin studies to the elucidation of nongenetic factors in personality development and psychopathogenesis. Pollin W. Acta Genet Med Gemellol (Roma) 19:299-302, Jan-Apr 70
Computer selection of twin pairs. Schlöttz-Christensen E. Acta Genet Med Gemellol (Roma) 19:341-3, Jan-Apr 70
Concordance in a twin population model. Selvin S. Acta Genet Med Gemellol (Roma) 19:584-90, Oct 70
A study of thyroid hormone in children and adolescents in a series of MZ and DZ twins and their siblings. Stabenau JR, et al. Acta Genet Med Gemellol (Roma) 19:127-31, Jan-Apr 70
Comparison of weights of twin fetuses and of their incisors. Stack MV. Acta Genet Med Gemellol (Roma) 19:79, Jan-Apr 70
Marriages of twins to twins. Taylor CC. Acta Genet Med Gemellol (Roma) 20:96-113, Jan 71
Blood pressure and personality differences in MZ twins. Torgersen S, et al. Acta Genet Med Gemellol (Roma) 19:269-72, Jan-Apr 70
Twin studies in sport and physical performance. Venerando A, et al. Acta Genet Med Gemellol (Roma) 19:80-2, Jan-Apr 70
An experimental study of mutual behaviour imitation and person perception in MZ and DZ twins. Implications for an experimental-psychometric analysis of heritability coefficients. Wilde GJ. Acta Genet Med Gemellol (Roma) 19:273-9, Jan-Apr 70
Chromosomal and dermatoglyphic changes in twins. Yarema WA, et al. Acta Genet Med Gemellol (Roma) 19:405-16, Jul 70
Monoamniotic twins. A case with vessel anomaly in one twin's umbilical cord. Moestrup JK. Acta Obstet Gynecol Scand 49:85-7, 1970
Studies on the urinary amino acid patterns in the developing monozygotic and dizygotic twins. II. The individuality of the urinary amino acid patterns in the developing monozygotic and dizygotic twins. Matsuoka N. Acta Paediatr Jap [Overseas] 12:31-44, Dec 70
The Yoruba Ibeji statue. Segy L. Acta Trop (Basel) 27:97-145, 1970
Placental vascular communications between twin fetuses. A simplified technique for demonstration. Sutherland JM, et al. Am J Dis Child 120:333-3, Oct 70
Chromosome examinations in aged twins. Jarvik LF, et al. Am J Hum Genet 22:562-73, Sep 70
An epidemiologic survey of twins in a large, prospectively studied population. Myrianthopoulos NC. Am J Hum Genet 22:611-29, Nov 70
Hydatidiform moles in other pregnancies of mothers of twins. De George FV. Am J Obstet Gynecol 106:369-71, 1 Oct 70
Maternal and fetal disorders in pregnancies of mothers of twins. De George FV. Am J Obstet Gynecol 106:975-8, 15 Nov 70
Malignant melanoma in the corpora lutea of binovular twin pregnancy. el-Minawi MF, et al. Am J Obstet Gynecol 110:882-3, 15 Jul 71
The second twin. Ware HH 3d. Am J Obstet Gynecol 110:865-73, 15 Jul 71
The application of an index to determine genetic and environmental contributions to dentofacial growth in twins and siblings. Hayes RC. Am J Orthod 60:418-9, Oct 71
Parental, birth, and infancy factors in infant twin development. Allen MG, et al. Am J Psychiatry 127:1597-604, Jun 71
An investigation of the difference in measured intelligence between twins and single births. Record RG, et al. Ann Hum Genet 34:11-20, Jul 70
The number of pregnancies prior to the birth of twins. Selvin S. Ann Hum Genet 34:427-9, May 71
Sphingomyelin fatty acid composition in human twins. The effects of genotype, age, and sex. Chin HP. Biochim Biophys Acta 218:407-16, 15 Dec 70
Motherhood and childlessness in monozygous twins. I. Early relationships. Kalj L, et al. Br J Psychiatry 118:11-2, Jan 71
Motherhood and childlessness in monozygous twins. II. The influence of motherhood on health. Malmquist A, et al. Br J Psychiatry 118:23-8, Jan 71
Twin survival in therapeutic abortion. Douglas CP. Br Med J 3:769, 26 Sep 70
Complication of hysterotomy. Sood SV. Br Med J 4:495-6, 21 Nov 70
Conflicting blood-tests on twins. Br Med J 1:183, 16 Jan 71
Causal factors for interdental spaces in the canine regions of infantile twins. Eto K. Bull Tokyo Med Dent Univ 18:33-49, Mar 71
The behavior of twins: effects of birth weight and birth sequence. Matheny AP Jr, et al. Child Dev 42:251-7, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Genetic and environmental influence on halothane metabolism in twins. Cascorbi HF, et al. Clin Pharmacol Ther 12:50-5, Jan-Feb 71
A radiographic survey of nine pairs of elderly identical twins. King JB. Clin Radiol 22:375-8, Jul 71
Pupil diameters and the action of phenylephrine in twins. Bertler A, et al. Clin Sci 40:10P-11P, Mar 71
Biological and social aspects of language development in twins. Mittler P. Dev Med Child Neurol 12:741-57, Dec 70
The evoked response of monozygotic, dizygotic and unrelated individuals: a comparative study. Lewis EG, et al. Electroencephalogr Clin Neurophysiol 30:162, Feb 71
Twins: early grammatical development. Bruggemann CE. Folia Phoniatr (Basel) 22:197-215, 1970
Inheritance of speech defects. Luchsinger R. Folia Phoniatr (Basel) 22:216-30, 1970
Glucose-6-phosphate dehydrogenase activity among Caucasoid twins. Beiguelman B, et al. Hum Hered 20:535-9, 1970
The mixed leukocyte reaction as a possible test of zygosity in twins. Jarvik LF, et al. Hum Hered 19:668-73, 1969
Twin zygosity diagnosis by blood group antigens. Selvin S. Hum Hered 20:540-8, 1970
The case for nonparametric statistics in the analysis of twin data. Stafford RE. Hum Hered 19:601-8, 1969
Subliminally stimulated brain and verbal responses of twins differing in repressiveness. Fritzler DE, et al. J Abnorm Psychol 76:39-46, Aug 70
The growth of twins. Huntley RM. J Anat 107:182, Jul 70
Monozygotic bovine twin efficiency values. Ward JK, et al. J Anim Sci 32:1262-7, Jun 71
Ethnic differences in twinning rates in Nigeria. Nylander PP. J Biosoc Sci 3:151-7, Apr 71
Twinning in one area of New Britain. Scragg RF, et al. J Biosoc Sci 3:145-50, Apr 71
Bilateral asymmetry in tooth cusp occurrence in human monozygotic twins, dizygotic twins, and nontwins. Staley RN, et al. J Dent Res 50:83-9, Jan-Feb 71
Maternal metabolic response to twin pregnancy in primigravidae. MacGillivray I, et al. J Obstet Gynaecol Br Commonw 78:530-4, Jun 71
Behavioral antecedents of accidental injuries in early childhood: a study of twins. Matheny AP Jr, et al. J Pediatr 79:122-4, Jul 71
Fetus in fetu. Numanoglu I, et al. J Pediatr Surg 5:472-3, Aug 70
Periodontal observations in twins. Ciancio SG, et al. J Periodont Res 4:42-5, 1969
Infant reactivity to redundant proprioceptive and auditory stimulation: a twin study. Van den Daele LD. J Psychol 78:269-76, Jul 71
Blood pressure and personality. A study of the relationship between intrapair differences in systolic blood pressure and personality in monozygotic twins. Torgersen S, et al. J Psychosom Res 15:183-91, Jun 71
Effect of unilateral ovariectomy on twinning frequency in the marmoset. Gengozian N, et al. J Reprod Fertil 23:509-12, Dec 70
Production of twins in cattle by egg transfer. Rowson LE, et al. J Reprod Fertil 25:261-8, May 71
Human blood chimaera with seeming breakdown of immune tolerance. Crookston MC, et al. Lancet 2:1110-1, 28 Nov 70
Naturally occurring anti-Rh(E) in one identical twin but not the other. Hopkins DF. Lancet 2:409-10, 21 Aug 71
Ethanol elimination in a mother and her premature twins. Seppälä M, et al. Lancet 1:1188-9, 5 Jun 71
Monoamniotic twins. Lawrenson KB, et al. Med J Aust 1:141-3, 16 Jan 71
Maternal thyroid disease and twinning. De George FV. Nature (Lond) 228:681, 14 Nov 70
Excess of like sexed pairs of dizygotic twins. James WH. Nature (Lond) 232:277-8, 23 Jul 71
Glycoproteins from connective tissue of twins. Srinivasan SR, et al. Nature (Lond) 229:58-9, 1 Jan 71
Identical twins. Marshall RB. Nurs Times 67:1068-9, 1971
Twin birth--identical or fraternal twins? Allen MS Jr, et al. Obstet Gynecol 37:538-42, Apr 71
Twin placentation and zygosity. Fujikura T, et al. Obstet Gynecol 37:34-43, Jan 71
A monitored forceps twin vertex delivery. Laufe LE. Obstet Gynecol 37:24-6, Jan 71
Unusual monochorionic placentation with heterosexual twins. Nylander PP, et al. Obstet Gynecol 36:621-5, Oct 70
Activity, motor coordination and attention: individual differences in twins. Matheny AP Jr, et al. Percept Mot Skills 32:151-8, Feb 71
The management of locked twins. Begg H. Proc R Soc Med 63:1052, Oct 70
The utilization of free amino acid and glucose carbon by sheep pregnant with twins. Ford EJ, et al. Res Vet Sci 11:575-9, Nov 70
Ease of conception in mothers of twins. Allen G, et al. Soc Biol 18:18-27, Mar 71
Twinning in cattle. Rowson LE, et al. Vet Rec 88:210, 20 Feb 71
[The importance of occurrence and morphology of Carabelli's cuspid for the determination of twin zygosity] Pěnkavová E, et al. Cesk Stomatol 70:343-9, Nov 70 (Cze)
[Perinatal mortality in twin pregnancy] Zilliacus H, et al. Duodecim 87:797-800, 1971 (Fin)
[A study of EEG maturation in twins] Careis G, et al. Acta Genet Med Gemellol (Roma) 19:55-6, Jan-Apr 70 (Fre)
[Probability of DZ twins among blood group concordant twins] Defrise-Gussenhoven E. Acta Genet Med Gemellol (Roma) 19:57-60, Jan-Apr 70 (Fre)
[The importance of cytogenetic studies for the concordance and discordance of twins] Koch G, et al. Acta Genet Med Gemellol (Roma) 19:44-8, Jan-Apr 70 (Fre)
[Twin births in Belgium (1960-1961). A statistical study] Susanne C, et al. Acta Genet Med Gemellol (Roma) 18:294-320, Jul 69 (Fre)
[Heterocaryotic monozygotism] Turpin R. Acta Genet Med Gemellol (Roma) 19:188-98, Jan-Apr 70 (Fre)
[Generalized distances in dermatoglyphics in twins] Vrydagh-Laoureux S. Acta Genet Med Gemellol (Roma) 19:165-8, Jan-Apr 70 (Fre)
[Twin pregnancy after Pestalozza's operation] Vitse M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:461-2, Nov-Dec 68 (Fre)
[A new mode of gemellarity, effected by nuclear graft in urodele Amphibia of the genus Pleurodeles] Gallien CL, et al. C R Acad Sci [D] (Paris) 272:3348-51, 28 Jun 71 (Fre)
[Influence of external factors on cranial morphogenesis in univitelline twins] Empereur-Buisson R, et al. J Radiol Electrol Med Nucl 50:893-6, Dec 69 (Fre)
[Intra- and extra-uterine, gemellary pregnancy: normal living children] Michelin C, et al. Med Trop (Mars) 29:55-7, Jan-Feb 69 (Fre)
[Double cell population in dizygotic twins. Immunologic and cytogenetic data] Ducos J, et al. Rev Fr Transfus 13:261-6, Sep 70 (Fre)
[Significance of vascular anastomoses in twin placentae for the diagnosis of zygosity and the development of twins] Wenner R. Acta Genet Med Gemellol (Roma) 19:102, Jan-Apr 70 (Ger)
[Chimerism of type O-B in two currently discovered cases with difference in the Lewis-groups and the antigen activity of H and P1] Kaeser A, et al. Blut 23:229-36, May 71 (Ger)
[Mono- and dizygotic twins of cattle] Aschermann G. Dtsch Tieraerztl Wochenschr 77:833-7, 15 Dec 70 (Ger)
[Twin pregnancy in domestic animals] Lunca N, et al. Dtsch Tieraerztl Wochenschr 78:109-11, 15 Feb 71 (Ger)
[Pathogenesis of excessive weight gain in late gestosis of twin pregnancy] Vedra B, et al. Geburtshilfe Frauenheilkd 30:892-7, Oct 70 (Ger)
[Diagnosis of twins by means of ultrasonic echolaminography] Rotte K. Med Klin 65:1297-300 contd, 3 Jul 70 (Ger)
[Prolonged birth pause between twins] Eicher W. Munch Med Wochenschr 113:153-5, 29 Jan 71 (Ger)
[A 72-day interval between the birth of twins] Eicher W. Munch Med Wochenschr 112:422-5, 6 Mar 70 (Ger)
[Monoamniotic twins] Hollländer HJ. Z Geburtshilfe Gynaekol 171:292-300, Dec 69 (Ger)
[Failure of anti-Rh prevention by using anti-Rh antibodies from the monozygous twin] Hummel K. Z Immunitaetsforsch Allerg Klin Immunol 141:152-68, 1971 (Ger)
[The appearance of fetus papyraceus] Anton W, et al. Zentralbl Gynaekol 92:245-8, 21 Feb 70 (Ger)
[Weight increase in twins during the 28th to 42d week of pregnancy] Bazsó J, et al. Zentralbl Gynaekol 92:828-33, 16 May 70 (Ger)
[Labor management in acardius] Niedner W, et al. Zentralbl Gynaekol 92:1486-9, 31 Oct 70 (Ger)
[Fetal mortality in twin deliveries. A 10 year survey] Friedman S, et al. Harefuah 79:260-3, 15 Sep 70 (Heb)
[The phenomenon of twins in a family of patients affected by gonadal dysgenesis with female phenotype] Bigozzi U, et al. Acta Genet Med Gemellol (Roma) 19:199-204, Jan-Apr 70 (Ita)
[Weight at birth of siblings of twins] Casa D, et al. Acta Genet Med Gemellol (Roma) 19:40-2, Jan-Apr 70 (Ita)
[Taste reaction to PTC in MZ twins] Gaffuri G. Acta Genet Med Gemellol (Roma) 19:169-70, Jan-Apr 70 (Ita)
[Nutrition of twins in the first semester of life] Gatti L. Acta Genet Med Gemellol (Roma) 19:76-8, Jan-Apr 70 (Ita)
[The hereditary component in reaction times] Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:289-90, Jan-Apr 70 (Ita)
[Leukocyte alkaline phosphatase in twins] Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:111-4, Jan-Apr 70 (Ita)
[The curve of spontaneous glycolysis in blood. An attempt to establish a standard normal curve and to verify, through the twin method, the hereditary nature of some pathological profiles] Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:115-6, Jan-Apr 70 (Ita)
[The genetic control of glutathionemia: a twin study] Gedda L, et al. Acta Genet Med Gemellol (Roma) 19:117-21, Jan-Apr 70 (Ita)
[Twin studies on ceruloplasmin polymorphism] Gualandri V, et al. Acta Genet Med Gemellol (Roma) 19:107-10, Jan-Apr 70 (Ita)
[Morphology and skeletal measurements in twins] Hadžidekov G, et al. Acta Genet Med Gemellol (Roma) 19:155-6, Jan-Apr 70 (Ita)
[Position of twins in the maternal uterus and presentation at birth] Ikonomov G. Acta Genet Med Gemellol (Roma) 19:96-7, Jan-Apr 70 (Ita)
[Twins in Bulgaria] Ikonomov G, et al. Acta Genet Med Gemellol (Roma) 19:35, Jan-Apr 70 (Ita)
[Application of the twin method in the analysis of behavior and motor conditioning] Turi G, et al. Acta Genet Med Gemellol (Roma) 19:285-8, Jan-Apr 70 (Ita)
[Evaluation of hemagglutin inhibiting antibodies for rubella virus in premature subjects, in term infants, and in pairs of twins in relation to those of the mothers] Monari E, et al. Clin Pediatr (Bologna) 51:751-61, Dec 69 (Ita)
[A rare case of double pregnancy in didelphic uterus with a 3-day interval in delivery] Petocchi T, et al. Minerva Ginecol 21:843-8, 15 Jul 69 (Ita)
[Uridinphosphoglucose and blood bilirubin changes in premature infants (comparative study in 12 pairs of homozygotic twins)] Vecchi C, et al. Riv Clin Pediatr 82:433-7, Oct-Dec 69 (Ita)
[Progesterone metabolism in twin pregnancy and toxemias of pregnancy, with special reference to progesterone biosynthesis in the placenta in vitro] Tsuchida Y. Folia Endocrinol Jap 46:804-13, 20 Oct 70 (Jap)
[A study on the twins in Taipei. On the length of fingers in the formosan twins] Wu CT. J Kumamoto Med Soc 45:477-90, 25 Apr 71 (Jap)
[On the palm creases in the formosan twins] Wu CT. J Kumamoto Med Soc 45:436-76, 25 Apr 71 (Jap)
[Studies on the dermatoglyphics of the twins in Taipei, Formosa. 2. On the finger prints] Wu CT. J Kumamoto Med Soc 45:281-390, 25 Mar 71 (Jap)
[Studies on the dermatoglyphics of the twins in Taipei, Formosa. 1. On the palm prints] Wu CT. J Kumamoto Med Soc 45:253-80, 25 Mar 71 (Jap)
[Chronological observation on the vectorcardiograms of twins] Ueda H, et al. Jap J Clin Med 29:891-3, Feb 71 (Jap)
[Clinical characterization of twin pregnancy and delivery] Czarnik Z, et al. Przegl Lek 26:650-3, 1970 (Pol)
[Potassium and sodium levels in the blood of the mother and twins immediately after birth] Utkin VM, et al. Vopr Okhr Materin Det 15:87-9, Jun 70 (Rus)
[Tables to calculate the probability of mono dizygoticity in twins. Study of Mexican population groups] Zavala C, et al. Rev Invest Clin 23:21-8, Jan-Mar 71 (Spa)
[Case of collision of fetuses with head presentation] Kalashnik OV. Pediatr Akush Ginekol 2:61, 1971 (Ukr)

TWINS, CONJOINED (C16)

The absence of one umbilical artery in malformed MZ twins. Slípka J, et al. Acta Genet Med Gemellol (Roma) 19:567-75, Oct 70
Spontaneous vaginal delivery of a live thoracopagus. Wajntraub G. Bull Soc R Belge Gynecol Obstet 39:147-50, Mar 69
Double monsters. Kate BR. Indian J Med Sci 24:341-53, Jun 70
Conjoined twins. A report of a case of thoraco-omphalopagus. Ornoy A, et al. Isr J Med Sci 7:879-84, May 71
Conjoined twins. Compton HL. Obstet Gynecol 37:27-33, Jan 71
[A case of Janus type double monster] Musset R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:560-6, Nov-Dec 70 (Fre)

COMPLICATIONS

Acute renal failure following renal vein thrombosis in conjoined twins. Management by exchange transfusions. Ghai OP, et al. Am J Dis Child 121:57-9, Jan 71

FAMILIAL & GENETIC

Conjoined twins--a genealogical study. Callahan GB, et

al.
Acta Genet Med Gemellol (Roma) 19:213-6, Jan-Apr 70

PATHOLOGY

Conjoined twins. el-Tomi AM, et al.
J Egypt Med Assoc 53:442-66, 1970

RADIOGRAPHY

[Angiographic evaluation of conjoined twins] Rossi P, et al. Ann Radiol (Paris) 14:341-9, Mar-Apr 71 (Mul)

SURGERY

Management of anesthesia for surgical separation of newborn conjoined twins. Furman EB, et al.
Anesthesiology 34:95-101, Jan 71
Surgical separation of xiphoomphalopagous conjoined twins. Upadhyaya P. J Pediatr Surg 6:462-5, Aug 71
Ischiopagus tripus conjoined twins: case report of a successful separation. Mestel AL, et al.
Surgery 69:75-83, Jan 71
[Successful surgical separation of xiphopagus twins] Carrai PE, et al.
Riv Clin Pediatr 81:374-87, Jul-Aug 68 (Ita)
[Case of conjoined twins] Sienkiewicz F, et al.
Wiad Lek 24:371-4, 15 Feb 71 (Pol)

VETERINARY

[Cephalothoracopagus monosymmetros in the Syrian golden hamster (Mesocricetus auratus Waterhouse 1839)] Habermehl KH, et al.
Z Versuchstierkd 13:169-76, 1971 (Ger)

TYLENCHOIDEA see under NEMATODA (B1)

TYMPANIC CAVITY see under EAR, MIDDLE (A9)

TYMPANIC MEMBRANE (A9)

Tympanosclerosis. Friedmann I.
Ann Otol Rhinol Laryngol 80:411-3, Jun 71
Rupture of the tympanic membrane followed by sudden death. Goldstein AJ, et al.
Arch Otolaryngol 93:140-6, Feb 71
Middle ear insufflation. Goldstein AJ, et al.
Arch Otolaryngol 93:540, May 71
Tympanometry. Lidén G, et al.
Arch Otolaryngol 92:248-57, Sep 70
Tympanometry in human temporal bones. Peterson JL, et al. Arch Otolaryngol 92:258-66, Sep 70
Tympanic thermometry in surgery and anesthesia. Benzinger M. JAMA 209:1207-11, Aug 69
Comparison of tympanic membrane and deep body temperatures in man. Nadel ER, et al.
Life Sci [I] 9:869-75, 1 Aug 70
[Paracentesis of the tympanic membrane] Jongkees LB. Ned Tijdschr Geneeskd 115:475-7, 13 Mar 71 (Dut)
[Typanosclerosis: anatomo-pathologic and functional entity with open and closed tympanum] Charachon R, et al. J Fr Otorhinolaryngol 18:759-73, Dec 69 (Fre)
[So-called "myringitis granulosa"] Tsuiki T, et al.
J Otolaryngol Jap 73:1415-20, Sep 70 (Jap)
[The picture of the tympanic membrane in acquired cholesteatoma of the middle ear] Maj J.
Otolaryngol Pol 24:529-34, 1970 (Pol)
[A case of the blue tympanic membrane syndrome] Skoniecznу J. Otolaryngol Pol 25:245-8, 1971 (Pol)
[Treatment of adhesive otitis media with lidase introduced into the tympanic cavity by an electrophoretic method] Kozhevnikova AP, et al.
Vestn Otorinolaringol 33:79-80, Nov-Dec 70 (Rus)
[A device for pneumomassage of the tympanic membrane and ear ossicles] Livshits IIa.
Zh Ushn Nos Gorl Bolezn 30:110-1, May-Jun 70 (Rus)

ANATOMY & HISTOLOGY

Attic-aditus block and the tympanic diaphragm. Proctor B. Ann Otol Rhinol Laryngol 80:371-5, Jun 71
The fiber arrangement of the human tympanic membrane. A scanning electron microscopic observation. Shimada T, et al.
Ann Otol Rhinol Laryngol 80:210-7, Apr 71
Oxytalan fibres in the human tympanic membrane. Cameron DS, et al. J Laryngol Otol 84:1235-9, Dec 70

CYTOLOGY

Human tympanic membrane. An ultrastructural observation. Lim DJ.
Acta Otolaryngol (Stockh) 70:176-86, Sep 70
Submicroscopic studies of the round window membrane. Richardson TL, et al.
Acta Otolaryngol (Stockh) 71:9-21, Jan 71

ENZYMOLOGY

[Enzyme histochemical studies on the metabolism of preserved tympanic membrane-fascial homografts] Weidauer H, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:285-92, 1971 (Ger)

INJURIES

Spontaneous repair of the tympanic membrane. Histpathological studies in the cat. McIntire C, et al.
Ann Otol Rhinol Laryngol 79:1129-31, Dec 70
Cholesteatoma: a complication of stapedectomy. Burnam JA, et al.
Eye Ear Nose Throat Mon 50:324-6, Sep 71
Health hazards in industrial welding. Kaufman RS.
JAMA 216:677-8, 26 Apr 71
The roentgenographic evaluation of eustachian tubal function. Parisier SC, et al.
Laryngoscope 80:1201-11, Aug 70
[Lesions of the middle ear, excepting facial paralysis, after closed cranial injuries] Guerrier Y, et al.
J Fr Otorhinolaryngol 17:123-8 passim, Feb 68 (Fre)
[Myringoplasties performed in the oto-rhino-laryngological department, Namdal Hospital from 1962-1969] Vedal BH.
Tidsskr Nor Laegeforen 91:958-7, 10 May 71 (Nor)

INNERVATION

[On the presence of neuromuscular spindles in the tensor tympani muscle of the gibbon (Hylobates agilis, Cuv.)] Guglielmone R.
Boll Soc Ital Biol Sper 45:562-4, 15 May 69 (Ita)

PATHOLOGY

[Clinico-morphological changes in adhesive otitis and tympanosclerosis] Zaritskii LA, et al.
Zh Ushn Nos Gorl Bolezn 29:1-8, Jul-Aug 69 (Rus)
[Anatomo-pathological, macro- and microscopic study of 450 cases of otorrhea treated surgically] Ciges M, et al. Acta Otorinolaryngol Iber Am 21:541-88, 1970 (Spa)

PHYSIOLOGY

The tympanic membrane as a part of the middle ear transformer. Tonndorf J, et al.
Acta Otolaryngol (Stockh) 71:177-80, Feb-Mar 71
On the dynamic properties of the middle ear reflexes. Borg E. Acta Physiol Scand 80:2A, Dec 70
A comparison of impedance measurements. With mechanical and electroacoustic impedance measuring devices. Feldman AS, et al.
Arch Otolaryngol 93:416-8, Apr 71
The effect of experimental removal of the tensor tympani muscle on the ipsi- and contralateral mesencephalic nuclei of the trigeminal nerve in the albino rat. Candiollo L, et al.
Experientia 26:997-8, 26 Sep 70
Myringo-manometry: observations in normal and pathologic ears. A preliminary report. Eviatar A, et al.
Laryngoscope 80:1847-58, Dec 70

PHYSIOPATHOLOGY

Myringo-manometry: observations in normal and pathologic ears. A preliminary report. Eviatar A, et al.
Laryngoscope 80:1847-58, Dec 70
[Spontaneous impedance fluctuation--a "tensor tympani syndrome" with special reference to tension headache] Klockhoff I, et al.
Nord Med 85:577, 6 May 71 (Swe)

SURGERY

Observations on drumhead repair in tympanoplastic surgery. Bennett RJ. J Laryngol Otol 85:745-72, Aug 71
The sequel to myringotomy for exudative otitis media. MacKinnon DM. J Laryngol Otol 85:773-94, Aug 71
Grommets and glue ears: a clinical trial. Richards SH, et al. J Laryngol Otol 85:17-22, Jan 71
[Homo- and heterologous reconstruction of the sound-conduction apparatus] Jansen C.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:209, 1970 (Ger)

TRANSPLANTATION

Homograft tympanic membrane transplant in myringoplasty. Brandow EC Jr.
Acta Otorhinolaryngol Belg 24:38-44, 1970
Experimental middle ear transplants. A preliminary report. Dawkins RS.
Acta Otorhinolaryngol Belg 24:140-5, 1970
Reconstructive surgery of the middle ear by homografts. Marquet J.
Acta Otorhinolaryngol Belg 24:568-74, 1970
Tympano-ossicular homografts. Mawson S.
Acta Otorhinolaryngol Belg 24:125-31, 1970
Tympanic membrane homografts in ear surgery. Plester D. Acta Otorhinolaryngol Belg 24:34-7, 1970
Homograft tympanic membrane in tympanoplasty. Wehrs RE. Arch Otolaryngol 93:133-9, Feb 71
Experimental middle ear homografts. Dawkins RS.
J Laryngol Otol 85:315-36, Apr 71
Human middle ear transplants. Marquet J.
J Laryngol Otol 85:523-39, Jun 71
Tympanic membrane homograft: further evaluation. Smyth GD, et al. J Laryngol Otol 85:891-5, Sep 71
Current status of homograft tympanic membrane transplants. Ortwig RM.
Trans Pa Acad Ophthalmol Otolaryngol 23:117-24, Fall 70
[Tympano-ossicular homografts] Antoli-Candela F.
Acta Otorhinolaryngol Belg 24:111-24, 1970 (Fre)

TYMPANOPLASTY (E4)

Type IV tympanoplasty results after stapedectomy. Sato R. Acta Otolaryngol (Stockh) 70:248-53, Oct 70
Ossicular reconstruction. Austin DF.
Acta Otorhinolaryngol Belg 24:86-94, 1970
Homograft transplant of the middle ear. House WF, et al. Acta Otorhinolaryngol Belg 24:132-9, 1970
Homo- and heterogeneous grafts in reconstruction of the sound conduction system. Jansen C.
Acta Otorhinolaryngol Belg 24:60-5, 1970
Tympano-ossicular homografts. Mawson S.
Acta Otorhinolaryngol Belg 24:125-31, 1970
Homograft tympanoplasty and myringoplasty. Morrison AW.
Acta Otorhinolaryngol Belg 24:45-52, 1970
Tympanic membrane homografts in ear surgery. Plester D. Acta Otorhinolaryngol Belg 24:34-7, 1970
Cartilage homografts. Experimental and clinical aspects. Smyth GD, et al.
Acta Otorhinolaryngol Belg 24:53-9, 1970
Homograft tympanic membrane in tympanoplasty. Wehrs RE. Arch Otolaryngol 93:133-9, Feb 71
Myringo-tympano-mastoidoplasty. Bienias GB.
Eye Ear Nose Throat Mon 50:253-6, Jul 71
Observations on drumhead repair in tympanoplastic surgery. Bennett RJ. J Laryngol Otol 85:745-72, Aug 71
Combined approach tympanoplasty. O'Brien MA.
J Laryngol Otol 85:883-9, Sep 71
Endaural tympanoplasty without flap. A report on 34 cases. Sammut JJ. J Laryngol Otol 85:541-65, Jun 71
Current thoughts on combined approach tympanoplasty. II. Restoration of the sound transformer mechanism. Smyth GD, et al.
J Laryngol Otol 85:417-30, May 71
Current thoughts on combined approach tympanoplasty. I. Indications and preoperative assessment. Smyth GD, et al.
J Laryngol Otol 85:205-12, Mar 71
Tympanic membrane homograft: further evaluation. Smyth GD, et al. J Laryngol Otol 85:891-5, Sep 71
Surgical treatment of the chronically infected ear. Jansen C. J Otolaryngol Soc Aust 3:153-69, Mar 71
The fate of exogenous materials placed in the middle ear and frontal sinus of cats. Dickson R, et al.
Laryngoscope 81:216-31, Feb 71
Tympanoplasty with the interior fascial graft technique and ossicular reconstruction. Hough JV.
Laryngoscope 80:1385-413, Sep 70
Results of tympanoplasty and mastoidectomy at the Massachusetts Eye and Ear Infirmary. Lee K, et al.
Laryngoscope 81:529-43, Apr 71
The problem of the cavity in tympanoplastic surgery. Portmann M. Laryngoscope 81:1233-41, Aug 71
Tympanoplasty with mastoidectomy--a re-evaluation. Sheehy JL. Laryngoscope 80:1212-30, Aug 70
Basic studies of the skin transplant for tympanoplasty. Tanaka J. Nagoya J Med Sci 33:173-87, Sep 70
Patients who should be rejected for a tympanoplasty. Wolferman A.
Trans Am Acad Ophthalmol Otolaryngol 75:379-86, Mar-Apr 71
[Tympanoplasties with closed trephine cavity] Klos J.
Cesk Otolaryngol 19:210-2, Sep 70 (Cze)
[Tympano-ossicular homografts] Antoli-Candela F.
Acta Otorhinolaryngol Belg 24:111-24, 1970 (Fre)
[Reflections on a Belgian technic: tympanum homograft] Blondiau P.
Acta Otorhinolaryngol Belg 24:794-6, 1970 (Fre)
[Ossicle bank for homografts in tympanoplastic surgery] Lacher G.
Acta Otorhinolaryngol Belg 24:95-8, 1970 (Fre)
[Special problems related to tympano-ossicular homografts] Marquet J.
Acta Otorhinolaryngol Belg 24:99-110, 1970 (Fre)
[Functional rehabilitation after tympanoplasty] Portmann M.
Acta Otorhinolaryngol Belg 23:467-72, 1969 (Fre)
[Homologous cartilage (meniscus) in reconstructive surgery of the middle ear] Prades J.
Acta Otorhinolaryngol Belg 24:66-71, 1970 (Fre)
[Personal procedure of tympanoplasty in adhesive otitis] Willems A.
Acta Otorhinolaryngol Belg 23:59-62, 1969 (Fre)
[Results of tympanoplasties carried out at the Trousseau Hospital from 1966 to 1970] Berezin A, et al.
Ann Otolaryngol Chir Cervicofac 87:791-7, Dec 70 (Fre)
[Tympanoplasty in the presence of malphigian epithelium in the middle ear] Charachon R, et al.
Ann Otolaryngol Chir Cervicofac 88:59-76, Jan-Feb 71 (Fre)
[60 cases of tympanoplasty] Julian A.
J Fr Otorhinolaryngol 18:855-63, Nov 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Tympanoplastic reoperations] Szpunar J.
Otorinolaringologie 16:225-7, May-Jun 71 (Fre)
[On the preparation of grafts in tympanoplasty] Cura O, et al.
Rev Laryngol Otol Rhinol (Bord) 90:24-35, Jan-Feb 69 (Fre)
[Our current practice in tympanoplasty] Pinson L, et al.
Rev Laryngol Otol Rhinol (Bord) 92:349-53, May-Jun 71 (Fre)
[Tympanoplastic surgery (general remarks)] Portmann M.
Rev Laryngol Otol Rhinol (Bord) 90:271-87, May-Jun 69 (Fre)
[Tympanoplasty: 2 years of results] Savary P.
Union Med Can 97:636-8, May 68 (Fre)
[Etiological factors in aditus occlusion (Occlusio aditus)] Bolliobás B, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:350-9, 1971 (Ger)
[Diverse variation possibilities of the type 3 in tympanoplasty] Gerlach H.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:126-8, 1970 (Ger)
[Paraffin prostheses after tympanolysis in the treatment of adhesions] Lange G.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:51-8, 1970 (Ger)
[Problems and results of tympanoplasty in childhood] Kleinfeldt D, et al.
Dtsch Gesundheitsw 25:2338-42, 3 Dec 70 (Ger)
[Sound pressure transformation with combined bone-polyethylene prosthesis] Berger F.
HNO 17:214, Jul 69 (Ger)
[Acrylic resins in tympanoplasty] Decher H.
HNO 19:239-41, Aug 71 (Ger)
[The use of lyophilized human dura mater and acrylic tissue adhesive in the reconstruction of the posterior meatal wall] Gerlach H. HNO 19:202-3, Jul 71 (Ger)
[Heteroplasty of the tympanic membrane] Jansen C.
HNO 17:238-40, Aug 69 (Ger)
[Tympanoplasty--late results of the Leipzig ORL clinic from the years 1958-1962] Rentzsch G.
HNO 17:70-4, Mar 69 (Ger)
[Tympanoplasty with mastoidectomy--the intact canal wall approach] Sheehy JL.
HNO 19:97-111, Apr 71 (Ger)
[Use of tissue adhesives in tympanoplasty] Subján L, et al. HNO 19:201-2, Jul 71 (Ger)
[Use of homeoplastic auditory ossicles for chain defects within the scope of tympanoplasty] Baumann J. Z Laryngol Rhinol Otol 50:95-102, Feb 71 (Ger)
[Variations of a wire spiral as sound transformation in tympanoplasty] Gerlach H.
Z Laryngol Rhinol Otol 50:543-8, Aug 71 (Ger)
[Long-term results following tympanoplasty] Seifert C, et al. Z Laryngol Rhinol Otol 50:90-5, Feb 71 (Ger)
[Histochemical studies on the mucous membrane in chronic otitis media and the grafting material for tympanoplasty] Watabe T.
J Otolaryngol Jap 74:569-620, Mar 71 (Jap)
[Cochlear lesions following tympanoplasty] Goto S.
Otolaryngology (Tokyo) 43:201-5, Mar 71 (Jap)
[Tympanoplasty] Goto T.
Otolaryngology (Tokyo) 42:743-6, Oct 70 (Jap)
[Cartilage tympanoplasty] Nakano Y.
Otolaryngology (Tokyo) 43:207-12, Mar 71 (Jap)
[Tympanoplasty] Shitara T.
Otolaryngology (Tokyo) 42:747-52, Oct 70 (Jap)
[Personal experiences in tympanoplasty] Antyporowicz W. Otolaryngol Pol 25:61-6, 1971 (Pol)
[Surgical rehabilitation of hearing in patients with chronic otitis media] Bardadin T, et al.
Otolaryngol Pol 24:615-20, 1970 (Pol)
[Tympanoplasty: reconstruction of the tympanic membrane] Rocha RM da.
Bol Inst Pueric Pediatr (Rio de J) 25:1-11, 1968-69 (Por)
[Report of 2 cases of stapes fixation by the ponticulus promontorii] Zorzetto NL, et al.
Hospital (Rio de J) 77:953-60, Mar 70 (Por)
[Controlled hypotension with trimethaphan in plastic and otologic surgery] Pôrto AJ, et al.
Rev Bras Anestesiol 20:462-8, Oct-Dec 70 (Por)
[Myringoplasty in children] Mahler KF, et al.
Otorinolaringologie 16:213-7, May-Jun 71 (Rum)
[Characteristics of the improvement in hearing effect in tympanoplasty] Bogomil'skif MR, et al.
Vestn Otorinolaringol 32:19-20, Jul-Aug 70 (Rus)
[Tympanoplasty in adhesive otitis media] Sherstneva VA. Vestn Otorinolaringol 32:14-8, Jul-Aug 70 (Rus)
[Insufflation of oxygen--a method of preventing bleeding of the tissues in tympanoplasty] Surinov EN. Vestn Otorinolaringol 32:85-6, Jul-Aug 70 (Rus)
[Preparation of wire-teflon prostheses and instruments facilitating their use] Tsukerberg LI. Vestn Otorinolaringol 33:106-7, Jan-Feb 71 (Rus)
[The 3d type of tympanoplasty] Ovsiannikov MI. Zh Ushn Nos Gorl Bolezn 29:19-21, Jul-Aug 69 (Rus)
[Press for producing fascial grafts used in meato-membranoplasty in chronic mesotympanitis] Protasevich GS.
Zh Ushn Nos Gorl Bolezn 30:112-3, Jul-Aug 70 (Rus)
[Current problems in tympanoplasty] Topolac R.
Med Pregl 24:127-8, 1971 (Ser)
[Tympanoplasties] Salvá J, et al.
Acta Otorinolaryngol Iber Am 21:150-73, 1970 (58 ref.) (Spa)
[Conclusions of the round table discussion on homografts in otology] Marquet J.
Acta Otorhinolaryngol Belg 24:163-71, 1970 (Mul)
[Tympanoplasty in cholesteatoma and the auditory ossicle] Femenić B.
Med Glas 24:204-5, Apr-May 70 (Cro)
[Personal experiences with Schobel's tympanoplasty] Radonjić D. Med Glas 24:207-10, Apr-May 70 (Cro)
[Tympanoplasty in chronic otitis media with cholesteatoma] Savić D, et al.
Med Glas 24:205-7, Apr-May 70 (Cro)
[Possibilities of tympanoplasty in children] Stefanović P. Med Glas 23:74-6, May-Aug 69 (Cro)

ADVERSE EFFECTS

On the problem of damage to the organ of Corti in manipulations on the conductive apparatus of the ear. Faltýnek L, et al.
Pract Otorhinolaryngol (Basel) 32:149-52, 1970
[Severe paroxysmal otalgia following tympanoplasty] Nakano Y, et al.
Otolaryngology (Tokyo) 43:291-5, Apr 71 (Jap)

CLASSIFICATION

Classification of tympanoplasty. Farrior JB.
Arch Otolaryngol 93:548-50, Jun 71

TYMPANUM see under EAR, MIDDLE (A9)

TYPE see under PRINTING (L)

TYPHOID (C1)

Typhoid-paratyphoid fevers in infancy. Experiences with 35 cases. Nourmand A, et al.
Clin Pediatr (Phila) 10:272-4, May 71
Infectious diseases. A review of work done in India. Kamat SA.
J Assoc Physicians India 18:449-57, Apr 70 (77 ref.)
Amoebic and bacillary dysentery and the enteric fevers. Manson-Bahr PE, et al.
Practitioner 207:154-63, Aug 71
["Typhus"] Müller W.
Dtsch Med Wochenschr 96:354, 19 Feb 71 (Ger)
[Pathogenetic, clinical and therapeutic considerations in 675 cases of typhoid infections] Di Comite A, et al.
G Mal Infett Parassit 22:688-91, Oct 70 (Ita)
[Typhoid] Hiraishi K. Naika 27:1233-8, Jun 71 (Jap)
[Recurrence of typhoid fever in carriers of typhoid bacilli] Ellert-Zygadlowska J.
Przegl Epidemiol 25:147-51, 1971 (Pol)
[Repeat illness with typhoid or a delayed relapse?] Kopytchak RE.
Zh Mikrobiol Epidemiol Immunobiol 47:123-4, Jun 70 (Rus)
[Experience in the wide use of the passive Vi-hemagglutination test for the detection of chronic typhoid bacilli carriers] Litinskiĭ IuI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:42-7, Apr 70 (Rus)
[Typhoid fever today] Bobinac E.
Lijec Vjesn 92:687-9, 1970 (Cro)

BLOOD

The survival of glucose-6-phosphate dehydrogenase--deficient erythrocytes in patients with typhoid fever on chloramphenicol therapy. Chan TK, et al. J Lab Clin Med 77:177-84, Feb 71

COMPLICATIONS

Surgical management of typhoid perforation of the ileum. Dawson JH. Am Surg 36:620-2, Oct 70
Case report: typhoid pleural effusion. Rao NR, et al.
Indian J Chest Dis 9:173-5, Jul 67
Post typhoid retinal detachment. Mathur JS, et al.
J All India Ophthalmol Soc 18:135-7, Sep 70
Chronic urinary salmonella carriers with intermittent bacteraemia. Farid Z.
J Egypt Public Health Assoc 45:157-60, 1970
Surgical complicatons of typhoid. Habib A.
J Egypt Public Health Assoc 45:72-84, 1970
Enteric perforation. A study of 60 cases. Sepaha GC, et al. J Indian Med Assoc 54:558-61, 16 Jun 70
Enteric perforation. A study of 60 cases. Sepaha GC, et al. J Indian Med Assoc 54:558-61, 1 Jul 70
Massive gastrointestinal hemorrhage due to specific infections. Loffall LD Jr, et al.
J Natl Med Assoc 63:99-103, Mar 71
Typhoid cholecystitis and gallbladder carcinoma after interval of 67 years. Axelrod L, et al.
JAMA 217:83, 5 Jul 71
Surgical treatment of typhoid perforation of ileum. Maloney CT. NY State J Med 71:663-4, 15 Mar 71
[Jaw contracture after typhoid osteomyelitis] Muška K, et al. Cesk Stomatol 71:110-3, Mar 71 (Cze)
[Typhoid myocarditis] Bertrand E, et al.
Coeur Med Interne 10:213-20, Apr-Jun 71 (Fre)
[Liver hydatid cyst secondarily infected with Eberth bacillus] Soussi C, et al.
Maroc Med 535:318-9, May 70 (Fre)
[Cerebral abscess of a typhoid origin. Case report] Maroun FB, et al.
Neurochirurgie 15:807-8, Dec 69 (Fre)
[Muscular attack disclosed by the determination of enzymes and histology in a case of typhoid fever] Gerster JC, et al. Praxis 59:1788-91, 22 Dec 70 (Fre)
[Abdominal typhus with subsequent meningotyphus in a premature infant] Witzenhausen R, et al.
Arch Hyg Bakteriol 154:171-5, Oct 70 (Ger)
[Typhoid hepatitis] Assif E, et al.
Harefuah 77:466-7, 16 Nov 69 (Heb)
[Associations of typhoid fever and viral hepatitis] Grasso E. G Mal Infett Parassit 22:660-4, Oct 70 (Ita)
[Incidence and clinical features of some complications of typhoid fever during levomycetin therapy] Kariuk SE, et al. Antibiotiki 15:841-4, Sep 70 (Rus)
[Typhoid peritonitis] Mushin AIu, et al.
Vestn Khir 105:49-50, Oct 70 (Rus)
[Typhic subdural empyema] López-Escobar Fernánd.
Rev Esp Otoneurooftalmol Neurocir 28:259-68, 1969-70 (Spa)
[Perforation of small intestine in the course of treatment of typhoid fever] Baljozović A, et al.
Med Glas 24:77-80, Feb 70 (Cro)

DIAGNOSIS

Febrile agglutinins in narcotic addicts. Vogel H, et al.
Am J Clin Pathol 53:932-5, Jun 70
Vi haemagglutination test for the identification of typhoid carriers. Anderson K.
Guys Hosp Rep 119:111-7, 1970
Typhoid fever in children. Clinical and bacteriological studies. Chawla V, et al.
Indian J Pediatr 37:239-44, Jun 70
Diagnosis of typhoid fever by haemagglutination. el-Falaky IH, et al.
J Egypt Public Health Assoc 45:109-18, 1970
Unusual presentation of enteric infections. Hathout S el-D, et al. J Egypt Public Health Assoc 45:56-71, 1970
Enterica of childhood. Mousa K.
J Egypt Public Health Assoc 45:48-55, 1970
Comparative efficiency and application of blood culture techniques for enteric fever diagnosis. Sanborn WR, et al.
J Egypt Public Health Assoc 45:181-94, 1970
Widal and blood picture in the diagnosis of typhoid fever. Wahab MF.
J Egypt Public Health Assoc 45:85-108, 1970
Diagnostic specificity of Widal's reaction for typhoid fever. Reynolds DW, et al. JAMA 214:2192-3, 21 Dec 70
Bone-marrow studies in two cases of typhoid fever. Kim BS, et al. NC Med J 32:339-43, Aug 71
Endemic typhoid fever. A diagnostic pitfall. Wicks AC, et al. Q J Med 40:341-54, Jul 71
Typhoid fever in an endemic area: a 'great imitator'. Chalmers IM. S Afr Med J 45:470-2, 24 Apr 71
[Typhoid fever. (Apropos of a recent series of 100 cases)] Letonturier P, et al.
Lyon Med 225:Suppl:85-98, 1971 (Fre)
[Clinical evaluation of the passive hemagglutination test in typhoid fever] Kossakiewicz-Sulkodska B.
Przegl Epidemiol 24:483-9, 1970 (Pol)
[Reaction of passive hemagglutination tests with antigens O and Vi of Salmonella typhi in the diagnosis of typhoid fever and carrier state of Salmonella typhi] Prokopowicz D. Wiad Lek 23:1607-12, 15 Sep 70 (Pol)
[Improved method of sowing and harvesting hemocultures] Raiushkin BV, et al.
Lab Delo 4:210-1, 1970 (Rus)
[Experience with the use of the indirect hemagglutination test in the diagnosis of typhoid fever] Grabovskiĭ PM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:51-4, Mar 70 (Rus)
[Analysis of Vi-negative cases of chronic typhoid carriers] Kovalevskaia IL, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:93-7, Mar 71 (Rus)
[Ways of increasing the effectiveness of examinations of workers in food production and food handling for typhoid-paratyphoid bacteria carrier state] Litinskiĭ IuI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:84-7, Sep 70 (Rus)

DRUG THERAPY

Chloramphenicol-induced hemolysis in Caucasian glucose-6-phosphate dehydrogenase deficiency. McCaffrey RP, et al. Ann Intern Med 74:722-6, May 71
Treatment of chronic enteric carriers of Salmonella typhosa with ampicillin. Kaye D, et al.
Ann NY Acad Sci 145:429-35, 27 Sep 67
Comparison of parenteral ampicillin and parenteral chloramphenicol in the treatment of typhoid fever. Kaye D, et al. Ann NY Acad Sci 145:423-8, 27 Sep 67
Trimethoprim-sulphamethoxazole in enteric fevers. Bassily S, et al. Br Med J 1:230-1, 23 Jan 71
Trimethoprim-sulphamethoxazole in typhoid. Beg MA. Br Med J 1:670, 20 Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Trimethoprim-sulphamethoxazole in typhoid. Wicks AC, et al. Br Med J 4:52, 3 Oct 70
A comparative trial of furazolidone and chloramphenicol in typhoid and paratyphoid fever. Salgado MR, et al. Ceylon Med J 15:159-62, Sep 70
Ampicillin in enteric fever. Thiruvengadam KV, et al. J Assoc Physicians India 18:1019-25, Dec 70
Treatment of S. typhi--paratyphi A urinary carriers. Bassily S. J Egypt Public Health Assoc 45:171-80, 1970
Evaluation of chloramphenicol given orally and ampicillin given either intramuscularly or orally in the treatment of Salmonella enteric fever. Sorensen K, et al. J Egypt Public Health Assoc 45:195-205, 1970
A comparative trial of furazolidone and chloramphenicol in typhoid fever. Damany SJ, et al. J Indian Med Assoc 55:131-3, 16 Aug 70
A comparative trial of hetacillin and chloramphenicol in typhoid fever. Chawla V, et al. J Pediatr 77:471-3, Sep 70
Treatment of chronic typhoid carriers with ampicillin. Phillips WE. JAMA 217:913-5, 16 Aug 71
Trimethoprim-sulphamethoxazole in typhoid fever. Sardesai HV, et al. Trans R Soc Trop Med Hyg 65:189-94, 1971
[Treatment of typhoid and paratyphoid carriers with ampicillin] Havlík J, et al. Bratisl Lek Listy 55:412-6, 1971 (Cze)
[Chemical-antibiotic treatment and Widal's reactions. Statistical research on typhoid fever] Gorini P, et al. G Mal Infett Parassit 22:638-9, Sep 70 (Ita)
[Comparative studies of the effects of thiamphenicol and chloramphenicol in typhoid infection] Barba G, et al. Minerva Med 62:336-40, 27 Jan 71 (Ita)
[Controlled clinical trials of a new antibiotic (Metampicillin) in salmonellosis] Ginocchi G, et al. Minerva Med 60:5244-8, 22 Dec 69 (Ita)
[Clinical studies of the relations between thiamphenicol and blood crasis in pediatrics] Bellomo G, et al. Minerva Pediatr 23:421-36, 10 Mar 71 (Ita)
[Dynamics of the indices of serum preventive properties in patients with typhoid fever under immuno-antiobioticotherapy] Kuliev MM. Zh Mikrobiol Epidemiol Immunobiol 47:105-10, Apr 70 (Rus)
[Sulfonamide potentiation in the treatment of typhoid fever] Figueroa Egea J. Rev Clin Esp 117:349-58, 31 May 70 (Spa)
[Treatment of typhoid and parathyphoid fever with furazolidone] Bencini C, et al. Rev Med Chil 99:413-5, Jun 71 (Spa)
[Trial of the chloramphenicol-oxyphenbutazone combination in the treatment of typhoid and paratyphoid fevers] Borel H, et al. Rev Med Chil 97:449-51, Jul 69 (Spa)
[Treatment of typhoid and paratyphoid fever with the furazolidone-oxyphenbutazone combination] Borel H, et al. Rev Med Chil 99:416-8, Jun 71 (Spa)
[Evaluation of ampicillin in the treatment of chronic Salmonella typhi carriers] Quesney F, et al. Rev Med Chil 97:442-5, Jul 69 (Spa)
[Trials of new schedules of treatment of typhoid and parathyphoid fever with ampicillin] Salcedo M, et al. Rev Med Chil 97:446-9, Jul 69 (Spa)

ENZYMOLOGY

[Adenosine deaminase activity of the blood in typhoid fever] Galanti B, et al. Boll Soc Ital Biol Sper 45:327-30, 31 Mar 69 (Ita)

ETIOLOGY

Relation of schistosomiasis to typhoid fever. Hathout S el-D. J Egypt Public Health Assoc 45:145-56, 1970
Pathogenesis of typhoid fever. Hornick RB. J Egypt Public Health Assoc 45:247-59, 1970
Pathogenesis of chronic salmonella bacteremia. Lehman JS Jr. J Egypt Public Health Assoc 45:161-70, 1970
Typhoid fever: role of endotoxin. Greisman SE, et al. N Engl J Med 284:392, 18 Feb 71
Possible transmission of typhoid fever by an asymptomatic infant. Orton WT, et al. Public Health 85:167-70, May 71
[Observations on the etiology and clinico-therapeutic aspects of salmonellosis in children] Bruckner S, et al. Arch Roum Pathol Exp Microbiol 28:577-85, Jun-Sep 69 (Fre)
[Unusual clinical course of a laboratory infection caused by Salmonella typhi] Albrecht J. Zentralbl Bakteriol [Orig] 204:299-301, 1967 (Ger)
[Intestinal infections and the problem of intracellular parasitization of microbes] Vofno-Iasenetskif MV. Arkh Patol 32:3-11, 1970 (74 ref.) (Rus)

HISTORY

The case of the poisoned well. A reconstruction based on three papers by Austin Flint. (Flint A), Sartwell PE. Am J Epidemiol 93:150-6, Mar 71

IMMUNOLOGY

Immunoconglutinin levels in normal and diseased population groups in Southern Africa. Watson KC. Clin Exp Immunol 8:871-80, Jun 71
Immunologic response of children in enteric fever by Widal test. Afanassiev EN, et al. Indian Pediatr 7:471-3, Aug 70
Artificial antigens and immunity to infectious disease. Jenkin CR, et al. Progr Immunobiol Stand 4:493-504, 1970
[Typhoid vaccination from an immunological point of view] Günther O. Arb Paul Ehrlich Inst 65:1-14, 1970 (Ger)
[Changes in immunoglobulins following administration of a bacterial protein hydrolysate in patients with Salmonella typhi infections] Medina F. Praxis 59:1056-8, 21 Jul 70 (Ger)
[Chemical-antibiotic treatment and Widal's reactions. Statistical research on typhoid fever] Gorini P, et al. G Mal Infett Parassit 22:638-9, Sep 70 (Ita)
[Study of the interaction of Salmonella typhosa with lymphocytes in a culture of peripheral blood leukocytes of nonimmune persons and chronic typhoid carriers] Bondarenko VM, et al. Vestn Akad Med Nauk SSSR 25:78-84, 1970 (Rus)
[Phagocytic activity and neutrophil phosphatases in typhoid fever and carrier state] Krukova ZV, et al. Zh Mikrobiol Epidemiol Immunobiol 47:82-5, Nov 70 (Rus)
[Dynamics of the indices of serum preventive properties in patients with typhoid fever under immuno-antiobioticotherapy] Kuliev MM. Zh Mikrobiol Epidemiol Immunobiol 47:105-10, Apr 70 (Rus)

METABOLISM

Studies of tryptophan metabolism in experimental animals and man during infectious illness. Rapoport MI, et al. Am J Clin Nutr 24:807-14, Jul 71

MICROBIOLOGY

[Unusual localizations of Salmonella typhi in patients with typhoid fever] Laban J, et al. Srp Arh Celok Lek 98:643-7, Apr 70 (Ser)
[Rare localizations of Salmonella typhi in typhoid patients] Laban J, et al. Srp Arh Celok Lek 98:301-5, Feb 70 (Ser)

OCCURRENCE

Typhoid in Bouchette. Lapointe G. Can Nurse 67:20-3, Jul 71
Typhoid fever in Ceylon. Arumanayagam P, et al. Ceylon Med J 15:31-45, Mar 70
Typhoid epidemic at Stanford University. McClenahan JB. J Am Coll Health Assoc 19:140-5, Dec 70
Enteric fevers in and around Madural. Padmanabhan K. J Assoc Physicians India 18:685-9, Aug 70
Statistics and epidemiology of typhoid fever in UAR. el-Akkad AM. J Egypt Public Health Assoc 45:8-16, 1970
Changing pattern of enteric fevers in U.A.R. Boctor W, et al. J Egypt Public Health Assoc 45:17-27, 1970
Typhoid fever as an endemic disease of importance in the Middle East. Kent DC, et al. J Egypt Public Health Assoc 45:3-7, 1970
Typhoid fever in children. Del Rosario AJ, et al. Ohio State Med J 67:516-20, Jun 71
An episode of typhoid fever in a Sikh community. Hall JD, et al. Public Health 85:159-66, May 71
Typhoid: epidemiological investigation and control measures. Moore B. Public Health 85:152-8, May 71
Imported disease--figures for Scotland. Stevenson D. Trans R Soc Trop Med Hyg 64:786-7, 1970
[Use in typhoid epidemiology, of the diversity of typhoid bacilli. 3. Chemotypes of Salmonella typhi according to Kristensen] Nicolle P, et al. Bull Acad Natl Med (Paris) 154:706-14, 20 Oct 70 (Fre)
[Study of typhoid endemia in Finistere. Initial part: epidemiology, the years 1964-1968] Martin-Bouyer G, et al. Bull Inst Natl Sante Rech Med 24:1443-90, Nov-Dec 69 (Fre)
[Typhoid endemy in Finistère. Epidemiology. 1969] Martin-Bouyer G, et al. Bull Inst Natl Sante Rech Med 25:1263-70, Nov-Dec 70 (Fre)
[Are frugivorous bats Pteropus rufus Geoffroy reservoirs of viruses for Salmonella typhi in Madagascar?] Brygoo ER, et al. Bull Soc Pathol Exot 63:540-3, Sep-Oct 70 (Fre)
[Aspects of typhoid fever in the African adult in Ouagadougou] Josserand C, et al. Bull Soc Pathol Exot 63:155-60, Mar-Apr 70 (Fre)
[Typhoid fever epidemiology in Tangiers in 1969] Vieu JF, et al. Bull Soc Pathol Exot 63:305-9, May-Jun 70 (Fre)
[The epidemiologic importance of typhus and paratyphus B excreters in the present situation in Vinenna] Pichler H. Wien Klin Wochenschr 82:92-9, 25 Dec 70 (Ger)
[Problem of chronic typhoid and paratyphoid carriers from the sociological and epidemiologic viewpoint] Fiedler K. Z Aerztl Fortbild (Jena) 64:1230-4, 1 Dec 70 (Ger)
[On typhoid fever in infants and young children] Oană C, et al. Rev Med Chir Soc Med Nat Iasi 75:409-11, Apr-Jun 71 (Rum)
[The epidemiology of typhoid in Dushambe] Abdurakhmanov KhF. Zh Mikrobiol Epidemiol Immunobiol 47:80-2, Mar 70 (Rus)
[Problem of detecting chronic typhoid-paratyphoid carriers] Dalmatov DM, et al. Zh Mikrobiol Epidemiol Immunobiol 47:79-82, Oct 70 (Rus)
[Acute intestinal diseases and typhoid fever. Epidemiologic parallels] Elkin II, et al. Zh Mikrobiol Epidemiol Immunobiol 46:119-24, Oct 69 (Rus)
[Epidemiological study of a water-borne outbreak of typhoid fever] Sanchez Mariscal T. Rev Sanid Hig Publica (Madr) 45:311-33, Mar 71 (Spa)

PATHOLOGY

The pathology of salmonelloses--a review. Smith JH. J Egypt Public Health Assoc 45:28-38, 1970
[Typhus abdominalis] Schmitz-Moormann P, et al. Med Welt 19:787-90, 8 May 71 (Ger)

PHYSIOPATHOLOGY

[The functional state of the gallbladder in Salmonella carrier states] Kondratenko GP, et al. Biull Eksp Biol Med 65:49-50, May 68 (Rus)
[Functional state of the gallbladder in typhoid and paratyphoid carrier state] Kondratenko GP, et al. Sov Med 34:105-8, Jan 71 (Rus)

PREVENTION & CONTROL

Immunological control of typhoid fever. Hornick RB. J Egypt Public Health Assoc 45:236-46, 1970
Round table discussion on public health control--critique for future research. J Egypt Public Health Assoc 45:218-35, 1970
Typhoid and paratyphoid immunization. Walker JH. Practitioner 206:478-82, Apr 71
Research on the oral antityphoid immunization in mice and its mechanism of action. De Barbieri A, et al. Progr Immunobiol Stand 4:386-8, 1970
The protective activity of various antigen complexes of typhoid and paratyphoid B vaccines: controlled field trials and laboratory studies. Heifets LB, et al. Progr Immunobiol Stand 4:561-76, 1970
Typhoid: epidemiological investigation and control measures. Moore B. Public Health 85:152-8, May 71
[Typhoid endemy in Finistere. Survey of commune equipment (drinking water, used water, domestic rubbish) and the risk of water pollution] Gaignoux Y, et al. Bull Inst Natl Sante Rech Med 25:1271-305, Nov-Dec 70 (Fre)
[Typhoid vaccination from an immunological point of view] Günther O. Arb Paul Ehrlich Inst 65:1-14, 1970 (Ger)
[Value of typhoid-paratyphoid vaccination] Brignardello P. Minerva Med 61:4111-20, 22 Sep 70 (Ita)
[Experimental studies on various types of oral typhoid vaccines in animals and man] Saletti M, et al. Progr Immunobiol Stand 4:372-9, 1970 (Ita)
[Vaccine prophylaxis and vaccine therapy of typhoid and carrier states. II. Chronic carriers] Busilă VT, et al. Microbiol Parazitol Epidemiol (Bucur) 15:399-406, Sep-Oct 70 (Rum)
[Efficacy of underground filtration installations in relation to Salmonella] Duchinskiĭ BM. Gig Sanit 35:93-4, Oct 70 (Rus)
[The effect of autostrains of E. coli on the level of antibodies to several intestinal infection agents] Ebert LIa, et al. Zh Mikrobiol Epidemiol Immunobiol 47:42-5, Mar 70 (Rus)
[Immunological effectiveness of typhoid chemical vaccine in experimental enteral immunization] Fain VI, et al. Zh Mikrobiol Epidemiol Immunobiol 48:20-5, Feb 71 (Rus)
[The immunologic response in the presence of different general reaction expressivity in children following administration of typhoid vaccines] Kheifets LB, et al. Zh Mikrobiol Epidemiol Immunobiol 47:22-8, Jun 70 (Rus)
[Prevention by phage treatment of secondary cases in typhoid foci] Kiknadze GP, et al. Zh Mikrobiol Epidemiol Immunobiol 48:127-30, Mar 71 (Rus)
[The importance of Vi- and O-antigens for formation of immunity to typhoid infections] Kolobova LF, et al. Zh Mikrobiol Epidemiol Immunobiol 47:97-101, Dec 70 (Rus)
[The reactogenicity of dried oral typhoid vaccine]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Meshalova AN, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:67-71, Oct 69 (Rus)
[A comparative study of aluminum hydroxide gel preparations] Shapiro NI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:26-31, Sep 70 (Rus)
[Vaccinal reactions in children to administration of typhoid vaccines (clinical-laboratory characteristics)] Shtefnberg OIa.
Zh Mikrobiol Epidemiol Immunobiol 48:34-7, Jun 71 (Rus)
[Enteric vaccination of irradiated mice with heated typhoid vaccine] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:28-31, Jun 70 (Rus)

THERAPY

[Demonstration of effectiveness of the oral typhoid vaccine. Evidence with help of allergocytolysis] Sticki H, et al.
Munch Med Wochenschr 111:863-9, 11 Apr 69 (Ger)
[Optimal concentration of oxygen of the inspired mixture in oxygen therapy of infectious patients] Leonov VM. Ter Arkh 42:83-7, Jul 70 (Rus)
[Immunologic basis for typhoid carrier state formation and methods of prevention] Bunin KV.
Zh Mikrobiol Epidemiol Immunobiol 47:5-10, Sep 70 (Rus)
[Typhoid fever (on 178 patients treated at the Department for Infectious Diseases in Pakrac)] Tudorić G. Lijec Vjesn 92:655-62, 1970 (Cro)

VETERINARY

[Blood serum of turkeys vaccinated against typhoid] Kuiumdzhi ZM. Veterinariia 7:45-7, Jul 70 (Rus)

TYPHOID-PARATYPHOID VACCINES (D12)

Pertussis, typhoid-paratyphoid and cholera vaccines. Standfast AF. Br Med Bull 25:189-94, May 69 (60 ref.)
Immunological control of typhoid fever. Hornick RB.
J Egypt Public Health Assoc 45:236-46, 1970
Assay of typhoid vaccines. Diena BB, et al.
N Engl J Med 285:413, 12 Aug 71
The protective activity of various antigen complexes of typhoid and paratyphoid B vaccines: controlled field trials and laboratory studies. Hejfets LB, et al.
Progr Immunobiol Stand 4:561-70, 1970
A biological model for the assay of typhoid vaccines. Diena BB, et al. Rev Can Biol 29:347-51, Dec 70
[Effect of the administration of phthalyl-glutamic acid imide on the antibody response to bacterial antigens in the rabbit] Bravi A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1583-8, 1968 (Ita)
[Value of typhoid-paratyphoid vaccination] Brignardello P.
Minerva Med 61:4111-20, 22 Sep 70 (Ita)
[Thymic changes following long-term antigenic stimulation. 2. Histologic changes in the thymus after repeated injections of typhoid-paratyphoid vaccine plus Freund's adjuvant or adjuvant alone] Teranaka M. Acta Med (Fukuoka) 40:351-60, Aug 70 (Jap)
[Role of cellular factors in the pathogenesis of postvaccinal typhoid complications of the nervous system] Kanchurin AKh, et al.
Biull Eksp Biol Med 70:32-5, Aug 70 (Rus)
[Blood serum of turkeys vaccinated against typhoid] Kuiumdzhi ZM. Veterinariia 7:45-7, Jul 70 (Rus)
[Characteristics of postinfection and postvaccination immunity of rabbits to paratyphoid infections] Ginzburg-Kalinina SI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:96-101, Jul 70 (Rus)
[The immunologic response in the presence of different general reaction expressivity in children following administration of typhoid vaccines] Kheffets LB, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:22-8, Jun 70 (Rus)
[The importance of Vi- and O-antigens for formation of immunity to typhoid infections] Kolobova LF, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:97-101, Dec 70 (Rus)
[Reactivity and immunological activity of dry adsorbed parathyphoid B vaccines for humans under conditions of observation in limited groups] Levina LA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:14-20, Feb 71 (Rus)
[A comparative study of aluminum hydroxide gel preparations] Shapiro NI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:26-31, Sep 70 (Rus)

ADMINISTRATION & DOSAGE

Size of the immunizing dose and postvaccination immunity to typhoid and paratyphoid B from the results of controlled field trials. Hejfec LB.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:173-82, 1971
Enhancement of the potency of typhoid vaccines with calcium alginate. Sterne M, et al.
J Med Microbiol 3:649-54, Nov 70
Research on the oral antityphoid immunization in mice and its mechanism of action. De Barbieri A, et al.
Progr Immunobiol Stand 4:386-8, 1970
[Demonstration of effectiveness of the oral typhoid vaccine. Evidence with help of allergocytolysis] Sticki H, et al.
Munch Med Wochenschr 111:863-9, 11 Apr 69 (Ger)
[Vaccine prophylaxis and vaccine therapy of typhoid and carrier states. II. Chronic carriers] Bustilă VT, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:399-406, Sep-Oct 70 (Rum)
[Stimulation of immunogenesis by enteral administration of bacterial lipopolysaccharide and antigens] Dzheksenbaev OSh, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:79-83, Aug 70 (Rus)
[Immunological effectiveness of typhoid chemical vaccine in experimental enteral immunization] Faĭn VI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:20-5, Feb 71 (Rus)
[The reactogenicity of dried oral typhoid vaccine] Meshalova AN, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:67-71, Oct 69 (Rus)
[Enteric vaccination of irradiated mice with heated typhoid vaccine] Tumanian MA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:28-31, Jun 70 (Rus)

ADVERSE EFFECTS

Anaphylactoid reaction to typhoid-paratyphoid A and B vaccine. Khan RI. Trop Geogr Med 23:115-6, Mar 71
[Vaccinal reactions in children to administration of typhoid vaccines (clinical-laboratory characteristics)] Shtefnberg OIa.
Zh Mikrobiol Epidemiol Immunobiol 48:34-7, Jun 71 (Rus)

PHARMACODYNAMICS

The interactions between the effects on thermoregulation of TAB vaccine injected intravenously and monoamines injected into a lateral cerebral ventricle of the Welsh mountain sheep. Bligh J, et al. J Physiol (Lond) 213:60P-62P, Mar 71
Enhancement of the pre-irradiation action of TAB. Byron JW. Nature (Lond) 228:568-9, 7 Nov 70
[Experimental studies on various types of oral typhoid vaccines in animals and man] Saletti M, et al.
Progr Immunobiol Stand 4:372-9, 1970 (Ita)

STANDARDS

The number of injections in primary immunization and postvaccination immunity from the results of controlled field trials with typhoid and paratyphoid B vaccines. Hejfec LB.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:163-72, 1971
[Studies and control of oral antityphoid vaccines] De Caro M, et al.
Progr Immunobiol Stand 4:369-71, 1970 (Ita)
[Improvement of dry heated sorbed typhoid vaccine] Morogova VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:85-7, Nov 70 (Rus)

THERAPEUTIC USE

[Level of iron and transferrin in the blood of patients treated with typhoid vaccine] Lipnicki B.
Klin Oczna 41:33-8, 1971 (Pol)
[Ceruloplasmin activity in patients treated with typhoid vaccine] Lipnicki B.
Klin Oczna 41:29-31, 1971 (Pol)
[Phagocytosis in patients treated with typhoid vaccine] Lipnicki B, et al. Klin Oczna 40:815-9, 1970 (Pol)
[Immunologic basis for typhoid carrier state formation and methods of prevention] Bunin KV.
Zh Mikrobiol Epidemiol Immunobiol 47:5-10, Sep 70 (Rus)

TYPHUS (C1)

Experimental infections of Rickettsia prowazeki among domestic livestock and ticks. Ormsbee R, et al.
Am J Trop Med Hyg 20:117-24, Jan 71
["Typhus"] Müller W.
Dtsch Med Wochenschr 96:354, 19 Feb 71 (Ger)
[Typhus] Wiek K.
Dtsch Med Wochenschr 96:478, 12 Mar 71 (Ger)
[Symposium: typhus and Salmonella infections] Shinokawa I, et al.
J Jap Assoc Infect Dis 44:352-6, Sep 70 (Jap)

COMPLICATIONS

[Typhus and neuropathy. Diagnostic problems caused by a case of association of a pyramidal syndrome and a rickettsia-positive serology] Mazare Y, et al.
Lyon Med 225:Suppl:55-9, 1971 (Fre)
[Typhus disease and anosmia] Lesoine W.
HNO 17:12, Jan 69 (Ger)

DIAGNOSIS

[Serologic differentiation between Brill's disease and epidemic typhus] Krasnik FI.
Tr Leningr Inst Epidemiol Mikrobiol 37:15-26, 1970 (Rus)
[Diagnostic significance of low titers of the complement fixation reaction with some antigens] Zhitova EI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:72-5, Feb 71 (Rus)
[Brill-Zinsser disease--presentation of six patients] Tudorić G. Lijec Vjesn 92:341-9, Mar 70 (Cro)

ETIOLOGY

Tick-borne typhus in England. Bissenden JG.
Br Med J 2:467-8, 22 May 71

HISTORY

Typhus verdict in American history. Woodward TE.
Trans Am Clin Climatol Assoc 82:1-8, 26 Oct 70
[Anti-epidemic measures taken by the delegates to the Congresses of Soviets during the first years of Soviet power] Zarubin GP.
Zh Mikrobiol Epidemiol Immunobiol 47:137-40, Sep 70 (Rus)

OCCURRENCE

Incidence of Brill-Zinsser disease in East Slovakia in 1956-1967. Milošovičová A, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:393-403, 1970
[Recent views on the epidemiology of epidemic typhus fever] Frygin C. Przegl Epidemiol 24:563-9, 1970 (Pol)
[Ixodid ticks--reservoirs and vectors of mixed infections] Zhmaeva ZM, et al.
Med Parazitol (Mosk) 38:405-10, Jul-Aug 69 (Rus)
[Epidemiologic aspects of Brill's disease] Tokarevich KN, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:7-14, 1970 (Rus)
[Epidemiological importance of chronic diseases caused by Rickettsia] Varela G, et al.
Gac Med Mex 95:231-5, Mar 65 (Spa)

PREVENTION & CONTROL

[Possibility of using serological methods for supplementary evaluation of intensity of anti-infectious immunity against typhus in guinea pigs] Nikol'skaia VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:137-41, May 71 (Rus)
[Prevention of communicable diseases in Mexico. 3. Typhus] Vilchis-Villaseñor J.
Gac Med Mex 101:153-9, Feb 71 (Spa)
[The typhus eradication program in Mexico] Olivera Toro R. Salud Publica Mex 12:207-17, Mar-Apr 70 (Spa)

THERAPY

[Optimal concentration of oxygen of the inspired mixture in oxygen therapy of infectious patients] Leonov VM. Ter Arkh 42:83-7, Jul 70 (Rus)

TYPHUS, MURINE (C1)

OCCURRENCE

Murine typhus in the Maltese Islands. Vassallo L.
Ann Trop Med Parasitol 64:153-8, Jun 70
The epidemiology of murine typhus in Texas, 1969. Older JJ. JAMA 214:2011-7, 14 Dec 70
Epidemiology of Rocky Mountain spotted fever and murine typhus. Older JJ. Tex Med 66:42-5, Dec 70
[Epidemiology of murine typhus in Texas in 1969] Justin Older J.
Salud Publica Mex 12:619-28, Sep-Oct 70 (Spa)

VETERINARY

Not typhus either. Freeman A.
J Am Vet Med Assoc 159:143-4, 15 Jul 71

TYPOLOGY see under SOMATOTYPES (G1)

TYRAMINE (D5)

ADVERSE EFFECTS

[Tyramine migraine] Bonnet GF, et al.
Rev Fr Allergol 10:233-6, Jul-Sep 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

Microspectrofluorimetric identification of m-hydroxyphenylethylamines (m-tyramines) in central and peripheral monoamine neurons. Jonsson G, et al. Histochemie 25:208-16, 1971

The demonstration of a tyramine-like substance in a heart extract (Recosen). Jackson DM, et al. J Pharm Pharmacol 22:798-9, Oct 70

Tyramine in food. Comfort A. Lancet 1:194, 23 Jan 71

[On the determination of the tyramine content of different varieties of Italian cheeses] Carnovale E, et al. Boll Soc Ital Biol Sper 45:867-71, 31 May 69 (Ita)

ANTAGONISTS & INHIBITORS

[Reduction of the vasopressor effect of tyramine in patients with hypertension, aldosteronism and low plasma renin] Distler A, et al. Verh Dtsch Ges Inn Med 75:186-9, 1969 (Ger)

BIOSYNTHESIS

Formation of p-tyramine from DOPA and DOPamine in rat brain. Boulton AA, et al. Can J Biochem 48:1287-91, Dec 70

DIAGNOSTIC USE

[Place of the tyramine test in the diagnosis of pheochrmocytoma] Mornex R, et al. Rev Lyon Med 18:536-48, Aug-Sep 69 (Fre)

[Provocation tests in pheochromocytoma] Studnitz W von. Dtsch Med Wochenschr 95:1934-5, 18 Sep 70 (Ger)

[Diagnostic tests for pheochromocytoma and sympathetic nerve-adrenal medulla system function tests. Glucagon and tyramine tests] Nakano Y, et al. Jap J Clin Med 28:2729-37, Dec 70 (Jap)

METABOLISM

Failure to demonstrate monoamine oxidase inhibition by glyceryl trinitrate in vivo. Waldeck B. Acta Pharmacol Toxicol (Kbh) 28:406-12, 1970

Selective inhibition of monoamine oxidase in rat brain mitochondria. Fuller RW, et al. Biochem Pharmacol 19:2934-6, Nov 70

Inhibition of monoamine oxidation in brain by monoamine oxidase inhibitors. Guha SR, et al. Biochem Pharmacol 19:2929-32, Nov 70

Alteration in tyramine metabolism by ethanol. Tacker M, et al. Biochem Pharmacol 19:604-7, Feb 70

Beta-hydroxylation of tyramine by cockroach hemolymph. Lake CR, et al. Biochim Biophys Acta 215:226-8, 21 Jul 70

Tyramine metabolism and migraine: a metabolic defect. Mullen PE, et al. Br J Pharmacol 41:413P+, Feb 71

Dopa therapy in parkinsonism effects on the EEG and amine metabolism. Marjerrison G, et al. Int Z Klin Pharmakol Ther Toxikol 4:263-6, Feb 71

Effect of vitamin D2 and of ergosterol peroxide on deamination of mono- and diamines in liver mitochondria and on the activity of highly purified preparations of mitochondrial monoamine oxidases. Akopyan ZI, et al. Int Z Vitaminforsch 40:497-504, 1970

Uptake and metabolism of beta-phenethylamine and tyramine in mouse brain and heart slices. Ross SB, et al. J Pharm Pharmacol 23:276-9, Apr 71

Uptake, retention and metabolism of H 3 -tyramine in rat atria. Steinberg MI, et al. J Pharmacol Exp Ther 176:139-48, Jan 71

Cheese reaction and tyramine. Price K, et al. Lancet 1:130-1, 16 Jan 71

Therapeutic implications in Parkinsonism of m-tyramine formation from L-dopa in man. Sandler M, et al. Nature (Lond) 229:414-5, 5 Feb 71

Dietary migraine and tyramine metabolism. Smith I, et al. Nature (Lond) 230:346-8, 26 Mar 71

Molecular mechanisms of storage of transmitters in synaptic terminals. Smythies JR, et al. Nature (Lond) 231:185-8, 21 May 71

[Disturbances of deamination of some nitrogen compounds in the liver in radiation injury] Akopian ZhI, et al. Radiobiologiia 10:826-31, Nov-Dec 70 (Rus)

PHARMACODYNAMICS

Actions of reserpine and tyramine on the acetylcholine content of brain stem, heart and blood of the rat. Malpica JF, et al. Arch Int Pharmacodyn Ther 185:13-9, May 70

Noradrenaline and tyramine action on isolated atrial muscle of endotoxin-treated guinea-pigs. Bhagat B, et al. Br J Pharmacol 39:888-95, Aug 70

The role of monoamine oxidase in the response of the isolated central artery of the rabbit ear to tyramine. De la Lande IS, et al. Br J Pharmacol 40:249-56, Oct 70

An investigation of alpha-methyl amino-acids and their derivatives on isolated tissue preparations. Gulati OD, et al. Br J Pharmacol 40:689-701, Dec 70

Effect of tyramine on human umbilical artery in vitro. Gulati OD, et al. Br J Pharmacol 42:155-8, May 71

Effects of nicotine and tyramine on contractile activity of the colon. Weisbrodt NW, et al. Eur J Pharmacol 12:310-9, 1970

Restoration of blood pressure and heart rate responses to tyramine by infusion of 5-hydroxytryptamine in reserpine-treated pithed rats. Fozard JR, et al. J Pharm Pharmacol 22:862-4, Nov 70

Pressor responses in sheep to angiotensin II, noradrenaline and tyramine. Osborn EC, et al. J Pharm Pharmacol 23:465-6, Jun 71

Effects of tyramine on responses to and inactivation of histamine in aortic strips. Kalsner S. J Pharmacol Exp Ther 175:489-95, Nov 70

The effect of tyramine, amphetamine and metaraminol on the metabolic disposition of 3 H-norepinephrine released from the adrenergic neuron. Leitz FH, et al. J Pharmacol Exp Ther 178:464-73, Sep 71

Influence of age and castration on reactivity of guinea pig isolated seminal vesicles to angiotensin and tyramine. Gascon AL, et al. Rev Can Biol 30:173-6, Jun 71

[Effect of extracellular hydrogen ion concentration on the positive inotropic effect of various drugs] Köhler E, et al. Naunyn Schmiedebergs Arch Pharmakol 266:372-3, 1970 (Ger)

[Influence of the extracellular hydrogen-ion concentration on the effect of cardiovascular drugs] Köhler E, et al. Z Gesamte Exp Med 154:165-76, 1971 (Ger)

[Pharmacological properties of heterocyclic amidine derivatives. 3. Effects of 1-phenyl-4-guanylpiperazine sulfate (PGP) derivatives on the sympathetic nervous system and drug interaction to tyramine] Ozawa H, et al. J Pharm Soc Jap 90:1563-9, Dec 70 (Jap)

[Tyramine tachyphylaxis; its recovery and interaction with enzyme inhibitors in arterial pressure and cat nictitating membrane] Lorenzo Fernandez P, et al. Arch Inst Farmacol Exp (Madr) 21:11-42, 1969 (Spa)

URINE

Metabolism of tyramine-1-14C by the rat. Tacker M, et al. Biochem Pharmacol 19:2763-73, Oct 70

Conjugation defect in tyramine-sensitive migraine. Youdim MB, et al. Nature (Lond) 230:127-8, 12 Mar 71

[Fluorometric determination of normetanephrine, metanephrine and 3-methoxytyramine in hydrolyzed urine] Geissbuhler F. Clin Chim Acta 30:143-8, Oct 70 (Fre)

TYROSINASE see under DIPHENOL OXIDASES

(D9)

TYROSINE (D10)

Selective reaction of tyrosyl side chains with iodine in glyceraldehyde-3-phosphate dehydrogenase. 3. Specificity of the reaction in urea. Determination of reacting histidine and tryptophan (short communication). Libor S, et al. Acta Biochim Biophys Acad Sci Hung 5:49-52, 1970

A method for coupling biologically important molecules to polysaccharides. Kägedal L, et al. Acta Chem Scand 24:1601-8, 1970

Fluorescent substances in protein hydrolyzates. I. Acid "hydrolyzates" of individual amino acids. Ledvina M, et al. Anal Biochem 36:174-81, Jul 70

Circular dichroic spectrum of poly-L-tyrosine in aqueous solution. Friedman S, et al. Biochem Biophys Res Commun 42:510-5, 5 Feb 71

The specificity of thyroid peroxidase toward tyrosine peptides. Krinsky MM, et al. Biochem Biophys Res Commun 43:935-40, 21 May 71

Activation of epidermal tyrosinase. McGuire JS. Biochem Biophys Res Commun 40:1084-9, 10 Sep 70

Sequential chemical modifications of tyrosyl residues in alkaline phosphatase of Escherichia coli. Christen P, et al. Biochemistry 10:1377-84, 13 Apr 71

Syncatalytic modification of a functional tyrosyl residue in aspartate aminotransferase. Christen P, et al. Biochemistry 9:3025-34, 21 Jul 70

Tyrosyl and lysyl residues involved in the reactivity of catalytic and regulatory sites of crystalline beef liver glutamate dehydrogenase. Di Prisco G. Biochemistry 10:585-9, 16 Feb 71

Activity and fluorescent derivatives of aminotyrosyl trypsin and trypsinogen. Kenner RA, et al. Biochemistry 10:551-7, 16 Feb 71

Reactivity of individual tyrosyl residues of horse heart ferricytochrome c toward iodination. McGowan EB, et al. Biochemistry 9:3047-53, 21 Jul 70

Preparation and properties of 3-nitrotyrosine insulins. Morris JW, et al. Biochemistry 9:3930-7, 29 Sep 70

Iodination of a single tyrosine in crystals of alpha-chymotrypsin. Sigler PB. Biochemistry 9:3609-17, 1 Sep 70

Structural location of the tyrosyl and tryptophanyl residues of tuna heart cytochrome c. Stellwagen E, et al. Biochemistry 9:3764-7, 15 Sep 70

Implication of tyrosine in iron binding in hemerythrin. York JL, et al. Biochemistry 10:1659-65, 27 Apr 71

Studies on the status of tyrosyl residues in cobrotoxin. Chang CC, et al. Biochim Biophys Acta 236:164-73, 27 Apr 71

Proton magnetic resonance studies of the tyrosine residues of staphylococcal nuclease using [3,5- 2 H 2] tyrosine. Cohen JS, et al. Biochim Biophys Acta 236:468-78, 25 May 71

Hydroxylations of aromatic amino acids mediated by a tetrahydropterin. Coulson WF, et al. Biochim Biophys Acta 222:606-10, 29 Dec 70

Fluorescence and the structure of proteins. XIX. Acetylation of exposed tyrosine of ribonuclease A. Cowgill RW, et al. Biochim Biophys Acta 214:228-30, 27 Jul 70

The conversion of 3-monoazotyrosine to 3-aminotyrosine in peptides and proteins. Gorecki M, et al. Biochim Biophys Acta 229:590-5, 23 Mar 71

Solvent perturbation and accessibility of the tryptophyl and tyrosyl residues in giant keyhole limpets hemocyanin. Herskovits TT, et al. Biochim Biophys Acta 221:643-6, 22 Dec 70

Membrane structure: the reactivity of tryptophan, tyrosine and lysine in proteins of the microsomal structure. Khandwala AS, et al. Biochim Biophys Acta 233:348-57, 13 Apr 71

Tyrosine and tryptophan residues and amino groups in thrombin related to enzymic activities. Kotoku I, et al. Biochim Biophys Acta 214:490-7, 29 Sep 70

Reduction of nitrotyrosyl residues in proteins. Riordan JF, et al. Biochim Biophys Acta 236:161-3, 27 Apr 71

Cleavage of Escherichia coli tyrosine tRNA-2 in the S-region and its effects on the structure and function of the reconstituted molecules. Seno T, et al. Biochim Biophys Acta 228:141-52, 1 Jan 71

Common microenvironments of tyrosyl residues in several Bence-Jones proteins. Seon BK, et al. Biochim Biophys Acta 229:396-406, 16 Feb 71

Environments of individual tyrosines in protein. Differences in rates of mono- and diiodination. Seon BK, et al. Biochim Biophys Acta 221:114-8, 20 Oct 70

Chemical modification of tyrosine residues in heavy meromyosin ATPase. Uchida K, et al. Biochim Biophys Acta 229:310-21, 16 Feb 71

Optical activity of aromatic chromophores. I. O, m, and p-tyrosine. Hooker TM Jr, et al. Biopolymers 9:1319-48, Nov 70

Tetranitromethane as a nitrating reagent for tyrosine and tyrosine-containing peptides and proteins. Boyd ND, et al. Can J Biochem 49:154-61, Feb 71

Chemical modification of human lysozyme. Acetylation and nitration of tyrosine. Fawcett RI, et al. Can J Biochem 49:816-21, Jul 71

Studies on the enzymatic hydrolysis of peptide-bound iodoamino acids. Kobayashi I, et al. Endocrinology 88:309-17, Feb 71

Chymotrypsin catalysis in the presence of formaldehyde. The pH-dependence of ester hydrolysis. Marini MA, et al. Eur J Biochem 19:153-61, 11 Mar 71

Immunological properties of amylose, dextran and polyvinylalcohol conjugated with polytyrosyl-peptides. Sorg C, et al. Eur J Biochem 17:85-90, Nov 70

A theoretical study of the optical rotatory properties of poly-L-tyrosine. Chen AK, et al. J Am Chem Soc 93:29-37, 13 Jan 71

Reaction of diisopropylphosphorofluoridate with N-acetyl-L-tyrosinamide. Inagami T, et al. J Biochem (Tokyo) 68:419-21, Sep 70

Conformational studies on modified proteins and peptides. IV. Conformation of lysozyme derivatives modified at tyrosine or at tryptophan residues. Atassi MZ, et al. J Biol Chem 246:3291-6, 25 May 71

The effect of tyrosyl modification on the activity of -lactalbumin in the lactose synthetase reaction. Denton WL, et al. J Biol Chem 246:4053-9, 25 Jun 71

Inter- and intramolecular interactions of alpha-lactalbumin. X. Effect of acylation of tyrosyl and lysyl side chains on molecular conformations. Kronman MJ, et al. J Biol Chem 246:1909-21, 25 Mar 71

Spectrophotometric titration of tyrosine residues in human lysozyme. Latovitzki N, et al. J Biol Chem 246:1457-60, 10 Mar 71

Spectroscopic studies of the exposure of tyrosine residues in proteins with special reference to the subtilisins. Myers B 2d, et al. J Biol Chem 246:412-9, 25 Jan 71

The involvement of tyrosyl and amino groups in the interaction of trypsin and a soybean trypsin inhibitor. Papaioannou SE, et al. J Biol Chem 245:4931-8, 10 Oct 70

Bovine glutamate dehydrogenase. Loss of allosteric inhibition by guanosine triphosphate and nitration of tyrosine-412. Pizkiewicz D, et al. J Biol Chem 246:1324-9, 10 Mar 71

Topography of Bence-Jones protein. Determination of the reactivities of tyrosines and histidines to iodination. Seon BK, et al. J Biol Chem 246:887-98, 25 Feb 71

Low temperature circular dichroism of tyrosyl and tryptophanyl diketopiperazines. Strickland EH, et al. J Biol Chem 245:4168-77, 25 Aug 70

Specific immune response genes of the guinea pig. I. Dominant genetic control of immune responsiveness to copolymers of L-glutamic acid and L-alanine and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

L-glutamic acid and L-tyrosine. Bluestein HG, et al. J Exp Med 134:458-70, 1 Aug 71
Specific immune response genes of the guinea pig. II. Relationship between the poly-L-lysine gene and the genes controlling immune responsiveness to copolymers of L-glutamic acid and L-alanine and L-glutamic acid and L-tyrosine in random-bred Hartley guinea pigs. Bluestein HG, et al. J Exp Med 134:471-81, 1 Aug 71
More mutant tyrosine transfer ribonucleic acids. Smith JD, et al. J Mol Biol 54:1-14, 28 Nov 70
Mechanism of suppression in Drosophila: a change in tyrosine transfer RNA. Twardzik DR, et al. J Mol Biol 57:231-45, 28 Apr 71
L-phenylalanine and L-tyrosine requirements of the growing rat. Stockland WL, et al. J Nutr 101:177-84, Feb 71
Isolation of tyrosine tRNA precursor molecules. Altman S. Nature [New Biol] 229:19-21, 6 Jan 71
Interaction between loops 1 and 3 in the tyrosine suppressor tRNA. Cashmore T. Nature [New Biol] 230:236-9, 21 Apr 71
Conversion of tyrosine to L-dihydroxyphenylalanine using immobilized tyrosinase. Wykes JR, et al. Nature [New Biol] 230:187, 7 Apr 71
[The variation in the quantum yield and fluorescence decay of tyrosine as a function of pH] Fayet M, et al. Biochim Biophys Acta 229:102-12, 19 Jan 71 (Fre)
[Tryptic hydrolysis of amino acid derivatives not substituted at alpha. Function of pH] Seydoux F. Eur J Biochem 17:209-17, Dec 70 (Fre)
[Effect of tyrosine and phenylalanine deficiency on the monoamine oxidase activity of rat brain] Pugge H, et al. J Physiol (Paris) 1:Suppl 1:163-4, 1969 (Fre)
[Temperature effect on fluorescence of phenol derivatives and tyrosine residues of proteins] Turoverov KK, et al. Biofizika 15:800-6, Sep-Oct 70 (Rus)
[Evidence for the presence of non-productive binding in hydrolysis reactions of complex ester substrates, catalyzed by alpha-chymotrypsin] Berezin IV, et al. Biokhimiia 36:227-35, Mar-Apr 71 (Rus)
[Neural tube closure defects induced by tyrosine overload] Schlack L, et al. Rev Med Chil 99:129-31, Feb 71 (Spa)

ADMINISTRATION & DOSAGE

Microspectrofluorimetric identification of m-hydroxyphenylethylamines (m-tyramines) in central and peripheral monoamine neurons. Jonsson G, et al. Histochemie 25:208-16, 1971

ANALYSIS

Spectrophotometric determination of monoiodotyrosine, diiodotyrosine, and thyroxine in iodoproteins. Covelli I, et al. Anal Biochem 42:82-90, Jul 71
Colorimetric determination of tyrosine in the presence of flavin. McCormick DB, et al. Anal Biochem 37:215-9, Sep 70
Determination of iodoamino acids and inorganic iodide by thin-layer chromatography. Wu C, et al. Anal Biochem 37:313-9, Oct 70
Tyrosine environment differences in the chymotrypsins. Gorbunoff MJ. Biochemistry 10:250-7, 19 Jan 71
Circular dichroism, optical rotatory dispersion and helix-coil transition of polytyrosine and tyrosine peptides in non-aqueous solvents. Engel J, et al. Eur J Biochem 21:22-30, 15 Jul 71
Affinity labeling by m-nitrobenzenediazonium fluoroborate of porcine ANTI-dinitrophenyl antibodies. Position of labeled tyrosine in the lambda-chains. Franěk F. Eur J Biochem 19:176-83, 11 Mar 71
Separation and estimation of iodotyrosine and iodotyrosin compounds by thin layer chromatography. Melani F, et al. Ital J Biochem 13:362-5, Nov-Dec 64
States of tyrosyl and tryptophyl residues in Bence Jones proteins. Azuma T, et al. J Biochem (Tokyo) 69:535-41, Mar 71
Chemical modification of tyrosyl residues of stem bromelain. Goto K, et al. J Biochem (Tokyo) 70:157-64, Jul 71
Chemical modification of tyrosyl residues of hen egg-white lysozyme by diisopropylphosphorofluoridate. Kato K, et al. J Biochem (Tokyo) 69:725-37, Apr 71
Interaction of heavy meromyosin with substrate. IV. Studies on the tyrosine and tryptophan residues by solvent perturbation method. Shimizu T, et al. J Biochem (Tokyo) 69:453-61, Mar 71
Tyrosine and tryptophan contents in heavy meromyosin and subfragment-1. Shimizu T, et al. J Biochem (Tokyo) 69:447-52, Mar 71
Effects of diethyldithiocarbamate and carbon disulphide on brain tyrosine. Magos L, et al. J Pharm Pharmacol 22:936-8, Dec 70
(3H)dopa in (3H)tyrosine with high specific activity: a serious complication in the study of catecholamine metabolism. Waldeck B. J Pharm Pharmacol 23:64-5, Jan 71
The effect of some hallucinogenic drugs on the amino acid precursors of brain monoamines. Tonge SR, et al. Life Sci [I] 9:1327-35, 1 Dec 70
Fluorescence and the structure of protein--XX. Fluorescence of 3-aminotyrosine and other aminophenols. Cowgill RW. Photochem Photobiol 13:183-94, Mar 71
[Histochemical determination of thyrosine, melanine and SH-groups in the dentin in incipient caries] Sinitsyn RG, et al. Biull Eksp Biol Med 71:1-4, Mar-Apr 71 (Rus)

BIOSYNTHESIS

Enzymatic preparation of L-tyrosine and 3,4-dihydroxyphenyl-L-alanine. Enei H, et al. Biochem Biophys Res Commun 43:1345-9, 18 Jun 71
Hormonogenesis in organ culture of normal and pathological human thyroid tissues. Barzilai D, et al. Isr J Med Sci 6:660-4, Sep-Oct 70
Metabolic influences on tyrosine excretion in Bacillus subtilis. Champney WS, et al. J Bacteriol 104:351-9, Oct 70
Regulation of tyrosine biosynthesis in Escherichia coli K-12: isolation and characterization of operator mutants. Mattern IE, et al. J Bacteriol 107:8-15, Jul 71
In vivo formation of tyrosine from phenylalanine in brain. Bagchi SP, et al. Life Sci [I] 9:111-9, 15 Jan 70
[Effect of gamma-aminobutyric acid on formation of tyrosine from L-phenylalanine in brain and liver tissues] Buniatian GKh, et al. Vopr Med Khim 17:73-6, Jan-Feb 71 (Rus)

BLOOD

Detection of phenylketonuric heterozygotes. Jackson SH, et al. Clin Chem 17:538-43, Jun 71
Effects of treatment on tyrosine tolerance in thyroid disease. A modified tyrosine assay. Williams T, et al. Clin Chem 17:148-51, Mar 71
A rapid procedure for the determination of phenylalanine and tyrosine from blood filter paper specimens. Levy HL, et al. Clin Chim Acta 31:447-52, Feb 71
Reduction of plasma tyrosine by oral contraceptives and oestrogens: a possible consequence of tyrosine aminotransferase induction. Rose DP, et al. Clin Chim Acta 29:49-53, Jul 70
Phenylalanine and tyrosine metabolism in Parkinson's disease treated with levodopa. Van Woert MH. Clin Pharmacol Ther 12:368-75, Mar-Apr 71
Enhancement of tyrosine transamination in vivo by catecholamines. Bartholini G, et al. Experientia 26:980-1, 26 Sep 70
L-(U-14C) tyrosine metabolism of the perfused cat brain with high plasma phenylalanine or without plasma tyrosine. Watanabe S, et al. Folia Psychiatr Neurol Jap 24:219-26, 1970
Daily rhythm of plasma tyrosine in fasting subjects. Cavagnini F, et al. J Endocrinol 49:9-12, Jan 71
Daily variations in plasma concentrations of tyrosine in thyrotoxicosis and myxedema. Bélanger R, et al. Metabolism 20:384-91, Apr 71
Defect in synthesis of epinephrine in premature infants with tyrosinemia. Light IJ, et al. Metabolism 20:247-54, Mar 71
Discriminant analysis for detection of phenylketonuric heterozygotes. Christian BG. Soc Biol 18:64-72, Mar 71
[Hereditary tyrosinemia] Pelletier J, et al. Union Med Can 99:1078-82, Jun 70 (Fre)
[Disturbance of tyrosine and tryptophane metabolism in depression] Birkmayer W, et al. Arch Psychiatr Nervenkr 213:377-87, 1970 (Ger)
[Plasma tyrosine level in liver diseases] Selmair H, et al. Med Klin 66:1049-52, 23 Jun 71 (Ger)
[Circadian rhythm variations of the plasma tyrosine in normal subjects and in hyperthyroid patients] Rolandi E, et al. Arch E Maragliano Patol Clin 25:503-8, Nov-Dec 69 (Ita)
[Curve of tyrosine load as a diagnostic method for the study of hyperthyroidism: calculation of some discriminant values] Modignani RL, et al. Folia Endocrinol (Roma) 23:602-7, Oct 70 (Ita)
[Determination of iodized amino acids in blood serum by thin-layer chromatography] Tarasova OV. Lab Delo 2:111-4, 1971 (Rus)
[Behavior of seromucoid fractions and plasma proteins in dogs with bilateral adrenalectomy] Morell M, et al. Rev Esp Fisiol 27:39-43, Mar 71 (Spa)
[Four uncommon pediatric conditions associated with bilateral nephromegaly] Lee FA, et al. Ann Radiol (Paris) 12:285-92, 1969 (Mul)

CHEMICAL SYNTHESIS

Pancreas acinar cell differentiation. IV. Assay of nanogram levels of chymotrypsin by radioactively labeled synthetic substrate. Marsh WH, et al. Anal Biochem 40:72-9, Mar 71
Fluorescent derivatives of nitrotyrosine. Model compounds for fluorescent reporter groups in proteins. Kenner RA. Biochemistry 10:545-50, 16 Feb 71

ISOLATION & PURIFICATION

The sequence around the active-center tyrosyl of porcine carboxypeptidase B. Roholt OA, et al. Eur J Biochem 18:79-85, 1 Jan 71
[Thin layer chromatographic determination of iodine contamination of aromatic amino acids on two dimensional thin layer plates] Gartzke J. J Chromatogr 57:163-4, 22 Apr 71 (Ger)

METABOLISM

Effect of some drugs on the uptake of monoamines and their precursors in the mouse Paneth cells. Ahonen A, et al. Acta Physiol Scand 82:59-69, May 71
Tyrosinemia and tyrosinuria in low-birth-weight infants. A new criterion to assess maturity at birth. Rizzardini M, et al. Am J Dis Child 121:182-5, Feb 71
Characteristics of different amino acids as protein precursors in mouse brain: advantages of certain carboxyl-labeled amino acids. Banker G, et al. Arch Biochem Biophys 142:565-73, Feb 71
Neonatal hepatitis in premature infants simulating hereditary tyrosinosis. Yu JS, et al. Arch Dis Child 46:306-9, Jun 71
The effect of sodium iodide on the oxidation "in vivo" of (1-14C) L-tyrosine to 14CO2 in normal rats: a vibrating-reed electrometer-ionization chamber method. Tran N, et al. Arch Int Physiol Biochim 78:909-17, Dec 70
The formation of 3,4-dihydroxy-L-phenylalanine from L-meta-tyrosine by rat liver and beef adrenal medulla. Tong JH, et al. Biochem Biophys Res Commun 43:819-26, 21 May 71
The site of metabolism of potassium L-tyrosine O- 35 S-sulphate in the rat. Curtis CG, et al. Biochem Pharmacol 18:2551-8, Oct 69
Bioconversion of tyrosine into the propylhygric acid moity of lincomycin. Witz DF, et al. Biochemistry 10:1128-33, 30 Mar 71
Placental transfer of amino acids in the rat. II. Aromatic amino acids. Wapnir RA, et al. Biol Neonate 17:373-80, 1971
Role of glucose cycloacetoacetate hydrolysate on tyrosine oxidation. Nath MC, et al. Can J Biochem 48:1178-80, Oct 70
Urinary and faecal excretion of metabolites of tyrosine and phenylalanine in a patient with cystic fibrosis and severely impaired amino acid absorption. Van der Heiden C, et al. Clin Chim Acta 31:133-41, Jan 71
The conversion of tyrosine to catecholamines and the biogenesis of N-acetyl-dopamine in isolated epidermis of the fiddler crab, Uca pugilator. Summers NM Jr. Comp Biochem Physiol 36:259-69, Jul 68
Degeneration of the eyes and central nervous system of chick embros subjected to phenylalanine or tyrosine deficiency. Anstie RE, et al. Dev Biol 25:159-75, May 71
Effect of cobalt and vitamin B12 on the peroxidase and iodinating activity of mouse thyroid and submaxillary gland: in vitro stimulation of vitamin B12 coenzyme on the iodination of tyrosine. Banerjee RK, et al. Endocrinology 88:1456-64, Jun 71
Comparison of the intrathyroidal fate of iodotyrosine-derived and newly entering iodide in the rat. Halbach H. Endocrinology 89:184-90, Jul 71
Studies on the biosynthesis of thyroid hormone: reconstruction of a defined in vitro iodinating system. Nagasaka A, et al. Endocrinology 88:486-90, Feb 71
The effect of L-dopa on the concentrations of tryptophan, tyrosine and serotonin in rat brain. Karobath M, et al. Eur J Immunol 14:393-6, May 71
L-(U-14C) tyrosine metabolism of the perfused cat brain with high plasma phenylalanine or without plasma tyrosine. Watanabe S, et al. Folia Psychiatr Neurol Jap 24:219-26, 1970
Effect of exogenous molting hormone (ecdysterone) on beta-alanyl-L-tyrosine metabolism in the larva of the fly Sarcophaga bullata Parker. Bodnaryk RP. Gen Comp Endocrinol 16:363-8, Apr 71
On the activating effect of prolactin on thyroid metabolism in the crested newt. Comparison between the effect of prolactin and methylthiouracil. Peyrot A, et al. Gen Comp Endocrinol 16:534-34, Jun 71
Peroxidase-dependent oxidation of tyrosine or dopa to melanin in neurons. Okun MR, et al. Histochemie 25:289-96, 1971
Histochemical differentiation of peroxidase-mediated from tyrosinase-mediated melanin formation in mammalian tissues. The biologic significance of peroxidase-mediated oxidation of tyrosine to melanin. Okun MR, et al. Histochemie 23:295-300, 1970
Effect of altered hormonal states on histochemical distribution of proteins in the rat prostatic complex. Takkar GL, et al. Indian J Exp Biol 8:230-44, Oct 70
Maintenance and exchange of the aromatic amino acid pool in Escherichia coli. Brown KD. J Bacteriol 106:70-81, Apr 71
Molecular events in the growth inhibition of Bacillus subtilis by D-tyrosine. Champney WS, et al. J Bacteriol 104:107-16, Oct 70
Transport of aromatic amino acids by Pseudomonas aeruginosa. Kay WW, et al. J Bacteriol 105:1039-46, Mar 71
Determination of metabolites of tyrosine and of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tryptophan and related compounds by gas-liquid chromatography. Albro PW, et al.
J Chromatogr 55:297-302, 3 Mar 71
The isolation of labelled neurohypophysial hormones from rat neural lobes after an intracisternal injection of [3H] tyrosine. Pickering BT, et al.
J Endocrinol 46:vi, Feb 70
Isolation of radioactive oxytocin and vasopressin from the posterior pituitary gland of the rat after the injection of labelled tyrosine into the cerebrospinal fluid. Pickering BT, et al.
J Endocrinol 49:93-103, Jan 71
Selective reaction of methoxyamine with cytosine bases in tyrosine transfer ribonucleic acid. Cashmore AR, et al. J Mol Biol 59:359-73, 28 Jul 71
Hereditary tyrosinemia and abnormal pyrrole metabolism. Kang ES, et al.
J Pediatr 77:397-406, Sep 70
Effect of nigral lesion on chlorpromazine-induced acceleration of dopamine synthesis from [14C]tyrosine. Nybäck H, et al.
J Pharm Pharmacol 23:322-6, May 71
Some problems encountered in attempting to estimate catecholamine turnover using libbelled tyrosine. Persson T, et al. J Pharm Pharmacol 22:473-8, Jul 70
Tyrosine hydroxylation in Parkinsonism. Robins AH.
Lancet 1:1350, 26 Jun 71
The effects of Ca++ ions on the C14-catecholamine biosynthesis from C14-tyrosine in slices from the striatum of rats. Goldstein M, et al.
Life Sci [I] 9:919-24, 15 Aug 70
Cutaneous manifestations of disorders of metabolism of phenylalanine-tyrosine. Bamshad J.
Mo Med 68:382-5, Jun 71
Aminoacylation of bisulphite-modified yeast tyrosine transfer RNA. Kudan Z, et al.
Nature [New Biol] 232:177-9, 11 Aug 71
The quantitation of isotope loss with tyrosine loss in the canine fibrinogen-fibrin transformation. Dellenback RJ, et al.
Proc Soc Exp Biol Med 137:751-8, Jul 71
[Hypothyroidism caused by congenital familial defect of iodotyrosine deiodation] De Maegd M, et al.
Acta Paediatr Belg 24:115-20, 1970 (Dut)
[Tyrosinosis (apropos of a further case)] Verger P, et al. Bord Med 4:879, Mar 71 (Fre)
[Hereditary tyrosinemia with tyrosiluria. Study of 44 cases in infants] Larochelle J, et al.
Union Med Can 97:762-72, Jun 68 (Fre)
[Peripheral effects on central tyrosine metabolism] Benkert O, et al. Arzneim Forsch 20:905-6, Jul 70 (Ger)
[Tyrosinosis] Halvorsen S.
Monatsschr Kinderheilkd 117:31-2, Jan 69 (Ger)
[Gastrointestinal amino acid dispersion. Study with l-tyrosine I-131] Barbara L, et al.
Arch Ital Mal Appar Dig 36:42-59, 1969 (Ita)
[Tyrosinemic curve after phenylalanine load in rheumatoid arthritis] Ambanelli U, et al.
Reumatismo 21:61-5, Mar-Apr 69 (Ita)
[Tyrosine metabolism in prolonged compression syndrome] Kontsevaia NG, et al.
Biull Eksp Biol Med 70:26-7, Sep 70 (Rus)
[Tyrosine and tryptophan metabolism in the livers of traumatized white rats] Lan NN, et al.
Biull Eksp Biol Med 66:59-61, 1968 (Rus)
[Effect of tyrosine stereoisomers on the formation of melanin-like pigments by actinomycetes] Krasil'nikov NA, et al.
Mikrobiologiia 40:481-4, May-Jun 71 (Rus)
[Tyrosine metabolism in leukemia] Ivanova VD, et al.
Probl Gematol Pereliv Krovi 16:14-20, Feb 71 (Rus)
[Tyrosine metabolism disorders in epidemic hepatitis with complicating diseases] Kontsevaia NG, et al.
Sov Med 34:153-4, Jan 71 (Rus)
[Balance and metabolism of tyrosine in pneumonias] Kontsevaia NG, et al. Ter Arkh 42:24-7, Aug 70 (Rus)
[Tyrosine oxidation in rheumatism and erysipelas] Kontsevaia NG, et al. Ter Arkh 43:76-8, Jan 71 (Rus)
[Pathogenetic significance of tyrosine metabolism disorders in Botkin's disease] Bilibin AF, et al.
Vestn Akad Med Nauk SSSR 25:48-54, 1970 (Rus)
[Tyrosine metabolism in experimental toxic hepatitis] Kontsevaia NG.
Vopr Med Khim 17:3-6, Jan-Feb 71 (Rus)

PHARMACODYNAMICS

Nuclear hypersegmentation of neutrophil granulocytes in hyperthyroidism. Carrasco-Formiguera R, et al.
Acta Cient Venez 21:102-4, 1970
Drug induced changes in 3H-catholamine accumulation after 3H-tyrosine. Persson T.
Acta Pharmacol Toxicol (Kbh) 28:378-90, 1970
Failure of dinitrotyrosine to affect the TSH-induced acute depression of thyroidal iodide transport. Halbach H. Endocrinology 88:1277-9, May 71
Rabbit platelet injury by soluble antigen and antibody. I. Inhibitory action of citrate, TAME and ACTEE. Marney SR Jr, et al. J Immunol 106:74-81, Jan 71
The influence of tyrosine, phenylpyruvate and vitamin B 6 upon seizure thresholds. Gallagher BB.
J Neurochem 18:799-808, Jun 71
Central dopamine and noradrenaline receptor activity of the amines formed from m-tyrosine, alpha-methyl-m-tyrosine and alpha-methyldopa. Andén NE, et al. J Pharm Pharmacol 22:548-50, Jul 70
Analysis of the action of m-tyrosine on blood pressure in the conscious rat: evidence for a central hypotensive effect. Rubenson A.
J Pharm Pharmacol 23:412-9, Jun 71
Further studies on the mechanism of the central hypotensive effect of L-dopa, DL-m-tyrosine and L-alpha-methyldopa. Rubenson A.
J Pharm Pharmacol 23:228-30, Mar 71
Alpha-methylparatyrosine and sleep in the rat. Hartmann E, et al.
Psychopharmacologia 21:157-64, 1971
Changes in primate social behavior after treatment with alpha-methyl-para-tyrosine. Redmond DE Jr, et al. Psychosom Med 33:97-113, Mar-Apr 71
[Modification of the phenylthiocarbamide (PTC) taste threshold induced by L-tyrosine] Barrera R.
Rev Med Chil 99:145-9, Feb 71 (Spa)

POISONING

Steroids influencing the toxicity of L-tyrosine. Selye H.
J Nutr 101:515-24, Apr 71

RADIATION EFFECTS

Flavin-sensitized photooxidations of tryptophan and tyrosine. Ying-Hsiueh Wu F, et al.
Biochim Biophys Acta 236:479-86, 25 May 71
A milking system for the preparation of technetium-99m labelled tyrosine. el-Garhy M, et al.
Strahlentherapie 139:713-5, Jun 70
[Effect of ionizing radiation on the absorption and fluorescence of insulin and tyrosine solutions in the ultraviolet spectral region] Bezrukova AG, et al.
Biofizika 16:541-4, May-Jun 71 (Rus)

THERAPEUTIC USE

Therapeutic implications in Parkinsonism of m-tyramine formation from L-dopa in man. Sandler M, et al. Nature (Lond) 229:414-5, 5 Feb 71
[Results of the use of POR-8 Sandoz as a hemostatic agent in gynecology and obstetrics] Krawczyk B, et al.
Wiad Lek 23:1625-9, 15 Sep 70 (Pol)

URINE

Enhanced excretion of free amino acids by hyperthyroid patients. Feitz JH, et al.
Clin Chim 17:388-91, May 71

TYROSINE AMINOTRANSFERASE (D9)

A comparison of the proteolytic susceptibility of several rat liver enzymes. Bond JS.
Biochem Biophys Res Commun 43:333-9, 16 Apr 71
Studies on the role of catecholamines as regulators of tyrosine aminotransferase. Govier WC, et al.
Biochem Pharmacol 18:2661-6, Oct 69
Studies on the structure of tyrosine aminotransferase. Auricchio F, et al.
Biochim Biophys Acta 221:307-13, 17 Nov 70
Purification, properties, and identity of liver mitochondrial tyrosine aminotransferase. Miller JE, et al. J Biol Chem 246:3234-40, 25 May 71

ANALYSIS

Spontaneous development of tyrosine aminotransferase activity in fetal liver cultures. Sereni F, et al. Adv Enzyme Regul 8:253-67, 1970
Induction of tyrosine aminotransferase by dibutyryl cyclic-AMP employing hepatoma cells in tissue culture. Butcher FR, et al.
Exp Cell Res 66:321-8, Jun 71
A histochemical method for the demonstration of tyrosine aminotransferase in tissue culture cells, and studies of this enzyme in hepatoma tissue culture cells. Thompson EB, et al. J Cell Biol 49:921-7, Jun 71
Localization of tyrosine transaminase in rat brain. Mark J, et al. J Neurochem 17:1393-401, Sep 70
Tyrosine aminotransferase activity in a soluble extract of ergot fungus. Sim SK, et al.
J Pharm Pharmacol 23:78-80, Jan 71
Stimulation of two adaptive rat liver enzymes by quinolinic acid as a function of time. Hardeland R.
Life Sci [II] 9:901-5, 22 Aug 70
Neonatal rise of rat liver tyrosine aminotransferase and serine dehydratase activity associated with lack of food. Reynolds RD, et al. Life Sci [II] 10:5-10, 8 Jan 71
[Peripheral effects on central tyrosine metabolism] Benkert O, et al. Arzneim Forsch 20:905-6, Jul 70 (Ger)

ANTAGONISTS & INHIBITORS

The inactivation of chick tyrosine aminotransferase by acid and alkaline phosphatases. Peterkofsky B.
Biochem Biophys Res Commun 43:1171-8, 4 Jun 71
Inhibition of tyrosine aminotransferase activity by L-3,4-dihydroxyphenylalanine. Feilman JH, et al.
Biochemistry 10:406-14, 2 Feb 71
Inhibition of tyrosine transaminase by homogentisate and benzoquinoneacetate. Schepartz B.
Enzymologia 39:211-6, 31 Oct 70
Liver cytosol tyrosine aminotransferase. Product inhibition and interaction with substrates. Rosenberg JS, et al. J Biol Chem 245:5677-84, 10 Nov 70
[Preliminary studies on inhibitors of apo-tyrosine transaminase] Borri-Voltattorni C, et al.
Boll Soc Ital Biol Sper 45:955-7, 31 Jul 69 (Ita)

BIOSYNTHESIS

Assessment of hormone action in cultured cells. Lee KL, et al.
Acta Endocrinol [Suppl] (Kbh) 153:109-25, 1971
Studies on the mechanism of tryptophan induction of certain hepatic enzymes. Kido R, et al.
Am J Clin Nutr 24:786-9, Jul 71
Effect of histones on induction of tyrosine aminotransferase by hydrocortisone in isolated perfused rat liver. Reuter AM, et al.
Arch Int Physiol Biochim 78:489-93, Aug 70
Deficiency of a glucocorticoid inducible isoenzyme of liver tyrosine aminotransferase in the obese C57BL-6J-ob mutant mouse. Blake RL, et al.
Biochem Biophys Res Commun 41:1443-51, 24 Dec 70
Flumethasone induction of liver tyrosine aminotransferase activity in inbred strains and obese mutant mice. Blake RL.
Biochem Pharmacol 19:1803-15, May 70
Hydrocortisone induction of tyrosine aminotransferase activity in genetically obese and diabetic mice—effects of a multiple dosage schedule. Blake RL.
Biochem Pharmacol 19:1505-12, Apr 70
Induction of tyrosine aminotransferase in rat liver by epinephrine and theophylline. Fuller RW, et al.
Biochem Pharmacol 19:1513-21, Apr 70
Induction of tyrosine aminotransferase by phentolamine. Govier WC, et al.
Biochem Pharmacol 18:2667-72, Oct 69
Glucose effect on tryptophan oxygenase and tyrosine aminotransferase induction after allylisopropylacetamide-induced porphyria in the rat. Wetterberg L, et al.
Biochem Pharmacol 19:2833-8, Nov 70
Tyrosine transaminase induction: differential effect of 5-azacytidine on liver and hepatoma 5123D. Levitan IB, et al. Biochim Biophys Acta 240:287-95, 30 Jun 71
Alterations in induction of tyrosine aminotransferase and tryptophan oxygenase by glucose pretreatment. Yuwiler A, et al.
Biochim Biophys Acta 208:428-33, Jun 70
Reduction of plasma tyrosine by oral contraceptives and oestrogens: a possible consequence of tyrosine aminotransferase induction. Rose DP, et al.
Clin Chim Acta 29:49-53, Jul 70
Effects of age and sex on 3H-cortisol uptake, binding and metabolism in liver and on enzyme induction capacity. Singer S, et al.
Endocrinology 88:1448-57, Jun 71
Regulation of tyrosine alpha-ketoglutarate transaminase in rat liver. IX. Studies of the mechanisms of hormonal inductions in cultured hepatoma cells. Kenney F, et al.
J Biol Chem 245:5806-12, 10 Nov 70
Enzymes of amino acid metabolism in Dictyostelium discoilideum. I. Tyrosine transaminase. Pong SS, et al.
J Biol Chem 246:4412-6, 25 Jul 71
Regulation of tyrosine alpha-ketoglutarate transaminase in rat liver. 8. Inductions by hydrocortisone and insulin in cultured hepatoma cells. Reel JR, et al. J Biol Chem 245:5800-5, 10 Nov 70
Differential effects of glucocorticoids and adenosine 3',5'-monophosphate on hepatic enzyme synthesis. Wicks WD. J Biol Chem 246:217-23, 10 Jan 71
Preferential inhibition by 5-bromodeoxyuridine of the synthesis of tyrosine aminotransferase in hepatoma cell cultures. Stellwagen RH, et al.
J Mol Biol 56:167-82, 28 Feb 71
Superinduction of tyrosine aminotransferase by actinomycin D in rat hepatoma (HTC) cells. Thompson EB, et al. J Mol Biol 54:159-75, 14 Dec 70
Studies on the induction of tyrosine transaminase by large dose administration of vitamin B6. Hamamoto H, et al. J Vitaminol (Kyoto) 16:268-75, 10 Dec 70
Inhibition of casein hydrolysate induction and insulin induction of hepatic tyrosine transaminase in the rat. Tolson WW, et al. Life Sci [II] 9:1207-15, 8 Nov 70
Partial purification by affinity chromatography of tyrosine aminotransferase-synthesizing ribosomes from hepatoma tissue culture cells. Miller JV Jr, et al.
Proc Natl Acad Sci USA 68:1014-8, May 71
Tyrosine transaminase induction by dexamethasone in a new rat liver cell line. Gerschenson LE, et al.
Science 170:859-61, 20 Nov 70
[Age differences in the regulation of inductive synthesis of liver tyrosine aminotransferase] Frol'kis VV, et al. Dokl Akad Nauk SSSR 193:1426-8, 1970 (Rus)

METABOLISM

A possible role for pituitary function in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

age-dependent regulation of hepatic tyrosine aminotransferase activity. Adelman RC.
Biochem Biophys Res Commun 43:814-8, 21 May 71
Turnover of tyrosine transaminase in cultured hepatoma cells after inhibition of protein synthesis. Barker KL, et al.
Biochem Biophys Res Commun 43:1133-8, 4 Jun 71
Tryptophan pyrrolase, tryptophan and tyrosine transaminase changes during allylisopropylacetamide-induced porphyria in the rat. Yuwiler A, et al. Biochem Pharmacol 19:189-95, Jan 70
Crithidia fasciculata tyrosine transaminase. I. Development, characterization and differentiation from alanine transaminase. Constantsas NS, et al.
Biochim Biophys Acta 230:137-45, 26 Jan 71
Regulation of tyrosine transaminase degradation in the isolated perfused rat liver by cycloheximide and insulin. Seglen PO.
Biochim Biophys Acta 230:319-36, 23 Feb 71
Regulation of liver tyrosine aminotransferase activity in inbred strains and mutant mice. II. Studies on the starvation-induced enzyme adaptation. Blake RL.
Can J Biochem 48:1043-9, Sep 70
Evidence for the coupling of the regulations of tyrosine aminotransferase and phosphoenolpyruvate carboxykinase. Lane EA, et al.
Can J Biochem 48:1297-301, Dec 70
The permissive role of cortisol in the regulation of rat liver tyrosine aminotransferase. Mavrides C, et al.
Can J Biochem 48:13-9, Jan 70
Survey of some enzyme patterns in transplantable Reuber mouse hepatomas. Reynolds RD, et al.
Cancer Res 31:805-12, Jun 71
Corticoid mediated increase in tyrosine-alpha-ketogluterate transaminase in the rat. A sensitive glucocorticoid assay. Kupfer D, et al.
Endocrinology 87:1198-204, Dec 70
Adrenocortical influences on the development of the diurnal rhythm in hepatic tyrosine transaminase. Ulrich RS, et al. Endocrinology 89:936-40, Sep 71
Effect of acetoacetate and ketogenic amino acids on the activity of tyrosine alpha ketoglutarate transaminase in rat liver. Bhai I, et al.
Enzymologia 39:87-95, 31 Aug 70
Enhancement of tyrosine transamination in vivo by catecholamines. Bartholini G, et al.
Experientia 26:960-1, 26 Sep 70
Different effect of aflatoxin on the induction of tryptophan oxygenase and of microsomal drug-hydroxylase system. Kato R, et al.
J Biochem (Tokyo) 68:589-92, Oct 70
Alteration of tyrosine aminotransferase turnover in rat liver following glucocorticoid administration. Boctor A, et al. J Biol Chem 245:6337-45, 10 Dec 70
Studies on the degradation of tyrosine aminotransferase in hepatoma cells in culture. Influence of the composition of the medium and adenosine triphosphate dependence. Hershko A, et al.
J Biol Chem 246:710-4, 10 Feb 71
Response of several hepatic adaptive enzymes to a shift from low to high protein diet in intact and adrenalectomized rats. Reynolds RD, et al.
J Nutr 101:797-802, Jun 71
Cholinergic regulation of hepatic tyrosine transaminase activity. Black IB, et al.
J Physiol (Lond) 213:421-33, Mar 71
Studies of highly purified tyrosine aminotransferase in rat brain. Aunis D, et al. Life Sci [II] 10:617-25, 8 Jun 71
Co-induction of the hepatic amino acid transport system and tyrosine aminotransferase by theophylline, glucagon and dibutyryl-cyclic AMP in vivo. Scott DF, et al. Life Sci [II] 9:1133-40, 8 Oct 70
Hypothalamic regulation of the daily rhythm in hepatic tyrosine transaminase activity. Black IB, et al.
Nature [New Biol] 230:185-7, 7 Apr 71
Expression of differentiated functions in hepatoma cell hybrids. I. Tyrosine aminotransferase in hepatoma-fibroblast hybrids. Schneider JA, et al.
Proc Natl Acad Sci USA 68:127-31, Jan 71
Biochemical analogue of immunological tolerance: specificity and role of the adrenal. Bekkum DW van, et al. Rev Eur Etud Clin Biol 15:638-48, Jun-Jul 70
[Pathogenetic significance of tyrosine metabolism disorders in Botkin's disease] Bilibin AF, et al.
Vestn Akad Med Nauk SSSR 25:48-54, 1970 (Rus)
[Effect of some polyphenols on rat liver tyrosine aminotransferase activity] Kokarovtseva MG, et al.
Vopr Pitan 29:13-6, Nov-Dec 70 (Rus)

TYROTHRICIN (D3)

Polypeptide biosynthesis form thioesters of amino acids. Roskoski R Jr, et al.
Arch Biochem Biophys 143:485-92, Apr 71
Studies on the mode of self-association of tyrocidin B. Laiken SL, et al.
Biochem Biophys Res Commun 43:595-600, 7 May 71
Structural effects in the action of antibiotics on the ion permeability of lipid bilayers. 3. Gramicidins "A" and "S", and lipid specificity. Goodall MC.
Biochim Biophys Acta 219:471-8, 1 Dec 70
Conformation of gramicidin S. De Santis P, et al.
Biopolymers 10:699-710, 1971
[X-ray method for determining the spacing between heavy atoms in macromolecules in solution, and its application to the study of gramicidin C derivatives] Vainshtein BK, et al.
Dokl Akad Nauk SSSR 190:574-7, 21 Jan 70 (Rus)

ADMINISTRATION & DOSAGE

[Effect of gramicidin C on the dehydration of substrates by bacteria] Bulgakova VG, et al.
Antibiotiki 15:603-7, Jul 70 (Rus)

ANALYSIS

The gramicidin A transmembrane channel: a proposed pi(L,D) helix. Urry DW.
Proc Natl Acad Sci USA 68:672-6, Mar 71
[Determination of concentration of dissolved oxygen and intensity of respiration of Bacillus brevis var G. B. during submerged growth] Udalova TP, et al.
Antibiotiki 16:304-9, 1971 (Rus)

BIOSYNTHESIS

Fractionation of the enzyme system responsible for gramicidin S biosynthesis. Otani S Jr, et al.
Biochim Biophys Acta 208:496-508, Jun 70
Biosynthesis of tyrocidine by a cell-free enzyme system of Bacillus brevis ATCC 8185. 3. Further purification of components I and II and their functions in tyrocidine synthesis. Fujikawa K, et al.
J Biochem (Tokyo) 69:869-79, May 71
[Cytochrome systems of Bacillus brevis GB--producer of gramicidin C] Vasil'eva TP, et al.
Biokhimiia 35:969-93, Sep-Oct 70 (Rus)
[Free amino acids and gramicidin C concentration during germination of Bac. brevis R-variant spores] Egorov NS, et al.
Mikrobiologiia 39:331-6, Mar-Apr 70 (Rus)

CHEMICAL SYNTHESIS

Studies of peptide antibiotics. XXIV. Synthesis of 4,4'-D-alanine-gramicidin S. Lee S, et al.
Bull Chem Soc Jap 44:158-61, Jan 71
Studies of peptide antibiotics. XXV. Synthesis of an immediate precursor of gramicidin S. Makisumi S, et al. Bull Chem Soc Jap 44:210-4, Jan 71
Studies of peptide antibiotics. 23. Syntheses of linear decapeptide analogs with gramicidin S sequence. Makisumi S, et al. Bull Chem Soc Jap 44:143-8, Jan 71

ISOLATION & PURIFICATION

The correlation between conformation and biological activity of gramicidin S analogs. Kato T, et al.
J Biochem (Tokyo) 68:751-3, Nov 70

PHARMACODYNAMICS

Influence of degradative procedures, salts, respiratory inhibitors, and gramicidin on the binding of cytochrome c by liver mitochondria. Williams JN Jr, et al. Arch Biochem Biophys 141:622-31, Dec 70
Effect of pH on gramicidin-mediated changes in lightscattering, ion uptake, and ATP exchange in digitonin particles. Meisner HM, et al.
Biochim Biophys Acta 223:46-54, 3 Nov 70
The correlation between conformation and biological activity of gramicidin S analogs. Kato T, et al.
J Biochem (Tokyo) 68:751-3, Nov 70
The permeability of pinched-off nerve endings to sodium, potassium and chloride and the effects of gramicidin. Keen P, et al.
J Neurochem 18:1097-103, Jun 71
The effects of calcium and gramicidin D on the ATPase activity of brain and electric tissue extracts. Dargent-Salée ML, et al.
Life Sci [II] 9:1091-100, 8 Oct 70
Effects of gramicidin on corn mitochondria. Miller RJ, et al. Plant Physiol 46:471-4, Sep 70
[Effect of gramicidin C on the submicroscopic structure of bacteria] Kats LN, et al.
Antibiotiki 15:312-6, Apr 70 (Rus)
[Changes in the ultrastructure of hemolytic Streptococcus under the effect of penicillin and gramicidin C] Rimkunas A, et al.
Antibiotiki 15:1099-102, Dec 70 (Rus)
[Characteristics of the lytic action of some polypeptide antibiotics on the protoplasts (spheroplasts) of bacteria] Bulgakova VG, et al.
Mikrobiologiia 40:106-11, Jan-Feb 71 (Rus)

THERAPEUTIC USE

Bacitracin and tyrothricin. Kanof NB.
Med Clin North Am 54:1291-3, Sep 70 (9 ref.)
[Treatment of pulpitis by conservative method] Kas'ian ND. Voen Med Zh 6:59-60, Jun 70 (Rus)

UBIQUINONE (D9)

Regulation of succinate dehydrogenase activity by reduced coenzymes Q10. Gutman M, et al.
Biochemistry 10:2726-33, 6 Jul 71
Optical absorption spectrum of half-reduced ubiquinone. Land EJ, et al.
Biochim Biophys Acta 226:239-40, 2 Mar 71
Electrochemical studies of the redox behavior of ubiquinone-I. Marcus MF, et al.
Biochim Biophys Acta 226:234-8, 2 Mar 71

ANALYSIS

Histochemical study of hydroquinone tetrazolium reductase reaction in plasma cells. Hernandez F, et al.
Acta Cytol (Baltimore) 15:85-6, Mar-Apr 71
Gas-liquid chromatography of phytyl ubiquinone, vitamin E, vitamin K1, and homologs of vitamin K2. Dialameh GH, et al. Anal Biochem 32:263-72, Nov 69
Ubiquinone from rat liver Golgi apparatus fractions. Nyquist SE, et al.
Biochim Biophys Acta 208:532-4, Jun 70
Ubiquinone and nucleic acid concentrations in the heart muscle of cancer patients and normal controls. Chipperfield B, et al. Clin Chim Acta 31:459-65, Feb 71
Reactions of biological antioxidants. 3. Composition of biological membranes. Gruger EH Jr, et al.
Lipids 6:147-8, Feb 71

ANTAGONISTS & INHIBITORS

New substituted 2,3-dimethoxy-1,4-benzoquinones as inhibitors of coenzyme Q systems. Catlin JC, et al.
J Med Chem 14:45-8, Jan 71

BIOSYNTHESIS

Involvement of p-OH-benzoyl-coenzyme A in the biosynthesis of ubiquinone-9 in the rat. Dialameh GH, et al.
Biochem Biophys Res Commun 40:1063-9, 10 Sep 70
Cinnamic acid and p-coumaric acid, precursors of ubiquinone in higher plants, green algae and fungi. Threlfall DR, et al. Biochem J 118:55P, Jul 70
Observations on the biosynthesis of ubiquinones by animals. Whistance GR, et al.
Eur J Biochem 18:46-52, 1 Jan 71

METABOLISM

Effect of chronic hypoxia on myoglobin, cytochromes and ubiquinone levels in the rat. Costa LE, et al.
Acta Physiol Lat Am 20:103-9, 1970
Specificity of lipids and coenzyme Q in mitochondrial NADH and succin-oxidase of beef heart and S. cerevisiae. Lenaz G, et al.
Arch Biochem Biophys 142:407-16, Feb 71
Deficiency of coenzyme Q9 in mice having hereditary muscular dystrophy. Littarru GP, et al.
Biochem Biophys Res Commun 41:1306-13, 9 Dec 70
On the functional organization of the respiratory chain at the dehydrogenase-coenzyme Q junction. Gutman M, et al. Biochemistry 10:2036-43, 25 May 71
Coupled photooxidation of bacteriochlorophyll P890 and photoreduction of ubiquinone in a photochemically active subchromatophore particle derived from Chromatium. Ke B, et al.
Biochemistry 7:311-8, Jan 68
On the role of quinones in bacterial electron transport. Differential roles of ubiquinone and menaquinone in Proteus rettgeri. Kröger A, et al.
Eur J Biochem 21:322-33, 16 Aug 71
Metabolic fate of ubiquinone-7. I. Absorption, excretion and tissue distribution in rats. Fujita T, et al. J Biochem (Tokyo) 69:53-61, Jan 71
Metabolic fate of ubiquinone-7. II. Isolation and identification of metabolites in the urine, liver, bile and feces. Fujita T, et al.
J Biochem (Tokyo) 69:63-71, Jan 71
[Influence of the association of chronic alcoholism and low-protein diet on the lipid and coenzyme Q concentration of the myocardium] Martinelli M, et al.
Boll Soc Ital Cardiol 15:572-6, 1970 (Ita)
[Comparative effect of some nutritional factors on the ubiquinone content of rat liver] Fedurov VV, et al.
Vopr Pitan 29:3-7, Nov-Dec 70 (Rus)
[Phosphorylation, oxidation and ubiquinone contents in liver mitochondria of prediabetic and diabetic rats] Boveris AA, et al.
Rev Soc Argent Biol 45:13-21, Apr-Jul 69 (Spa)

PHARMACODYNAMICS

Effect of hydroxy analogs of coenzyme Q on DPNH- and succin-oxidase activities of yeast mitochondria. Castelli A, et al.
Biochem Biophys Res Commun 42:806-12, 5 Mar 71
New quinolinequinone inhibitors of mitochondrial reductase systems and reversal by coenzyme Q. Skelton FS, et al.
Biochem Biophys Res Commun 43:102-7, 2 Apr 71
Studies with ubiquinone-depleted submitochondrial particles. Effects of extraction and reincorporation of ubiquinone on the kinetics of succinate dehydrogenase. Rossi E, et al.
Eur J Biochem 16:508-13, Nov 70
Coenzymes Q: stimulants of the phagocytic activity in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rats and immune response in mice. Bliznakov E, et al. Experientia 26:953-4, 26 Sep 70
Function of ubiquinone in electron transport from reduced nicotinamide adenine dinucleotide to nitrate and oxygen in Aerobacter aerogenes. Knook DL, et al. J Bacteriol 105:483-8, Feb 71
Assay of hexahydrococnzyme Q (phytylubiquinone) against muscular dystrophy in chicks. Dam H, et al. Z Ernaehrungswiss 10:79-82, Aug 70

PHYSIOLOGY

[Physiological properties of ubiquinone] Morimoto H. Protein Nucleic Acid Enzyme (Tokyo) 16:183-94, Mar 70 (238 ref.) (Jap)

THERAPEUTIC USE

Coenzyme O in Duchenne muscular dystrophy. A preliminary therapeutic trial. Sövik O, et al. Acta Paediatr Scand 60:428-32, Jul 71
Therapy of hereditary mouse muscular dystrophy with coenzyme Q7. Scholler J, et al. Biochem Biophys Res Commun 41:1298-305, 9 Dec 70

URINE

Metabolic fate of ubiquinone-7. II. Isolation and identification of metabolites in the urine, liver, bile and feces. Fujita T, et al. J Biochem (Tokyo) 69:63-71, Jan 71

UDDER (A13)

Group G streptococci in the udders of a Pennsylvania dairy herd. Eberhart RJ, et al. J Am Vet Med Assoc 157:1195-9, 1 Nov 70
Relationship of milking machine design and function to udder disease. McDonald JS. J Am Vet Med Assoc 158:184-90, 15 Jan 71
The differential diagnosis of viral skin infections of the bovine teat. Gibbs EP, et al. Vet Rec 87:602-9, 14 Nov 70
[Studies on udder-health of cows in a dairy district in Bavaria] Guthy K, et al. Berl Munch Tieraerztl Wochenschr 83:1-7, 1 Jan 70 (Ger)
[Rare form of subcutaneous hematoma of the udder in a cow (Short clinical report)] Kramer R. Dtsch Tieraerztl Wochenschr 76:684-5, 15 Dec 69 (Ger)
[The responsibilities of the veterinarian in udder health control as an example of information flow] Brabant W, et al. Monatsh Vet Med 24:860-3, 15 Nov 69 (Ger)
[Possible treatment of papillomatosis in cattle] Weigel H. Monatsh Vet Med 26:220-1, 15 Mar 71 (Ger)
[Udder health monitoring in milk production facilities] Wendt K. Monatsh Vet Med 25:711-5, 15 Sep 70 (Ger)
[Thoughts on a Swiss service for udder health] Schweizer R. Schweiz Arch Tierheilkd 112:39-42, Jan 70 (Ger)

ABNORMALITIES

[Incidence of hyperthelia and hypermastia in cattle. 4. Angler breed] Heidrich HJ, et al. Berl Munch Tieraerztl Wochenschr 84:124-5, 1 Apr 71 (Ger)
[The frequency of hyperthelia and hypermastia in cattle. 3. German Red Pied] Heidrich HJ, et al. Berl Munch Tieraerztl Wochenschr 84:103-4, 15 Mar 71 (Ger)

ANALYSIS

Position of endogenous radioactive fatty acids in mammary triglycerides. Kinsella JE. J Dairy Sci 54:1014-7, Jul 71

ANATOMY & HISTOLOGY

[The lymphatic capillaries in the skin of cow teat] Hampl A, et al. Zentralbl Veterinaermed [A] 18:341-6, Jun 71 (Ger)

ENZYMOLOGY

Lipoprotein lipase of the bovine mammary gland. Askew EW, et al. J Dairy Sci 53:1415-23, Oct 70
[Histochemical determination of the localisation of cholinesterase in the tissues of the mammary gland] Skopichev VG. Vestn Leningr Univ [Biol] 3:168-71, Aug 69 (Rus)

IMMUNOLOGY

Local production of antibody by the lactating mammary gland of the ewe and the effect of systemic immunization. McDowell GH, et al. Res Vet Sci 12:113-8, Mar 71

INJURIES

Direct trauma of the mammary glands in dairy cattle. I. Variations in incidence due to animal variables. Grommers FJ, et al. Br Vet J 127:271-82, Jun 71
[Causes and prevention of teat wounds in high-production cows] Aehnelt E, et al. Dtsch Tieraerztl Wochenschr 76:681-4, 15 Dec 69 (Ger)
[Electroencephalography in the study of inflammation and injury] Golikov AN, et al. Veterinariia 7:82-5, Jul 70 (Rus)

METABOLISM

Competing addition and hydrolysis of the cytidylylcytidylyladenosine terminal residues of transfer ribonucleic acid isolated from the non-lactating bovine mammary gland. Herrington MD, et al. Biochem J 119:323-9, Sep 70
Studies on bovine dry-udder secretion with reference to its influence on protein synthesis. Herrington MD. Cent Afr J Med 17:39-42, Feb 71
Permeability of mammary ducts in the lactating goat. Linzell JL, et al. J Physiol (Lond) 213:48P-49P, Mar 71
Characteristics of fatty acid esterification by homogenates of bovine mammary tissue. Askew EW, et al. Lipids 6:328-31, May 71

MICROBIOLOGY

Bacterial flora of udder and the number of cellular elements in milk. Rynkiewicz Z, et al. Acta Microbiol Pol [B] 3:117-20, 1971
Aerobic gram-negative rods isolated from bovine udder infections. McDonald TJ, et al. Am J Vet Res 31:1937-41, Nov 70
[Study of streptococci from the milk of cows with mastitis and healthy cows, using the Camp-Test and group-specific sera. Hellmann E, et al. Berl Munch Tieraerztl Wochenschr 84:121-4, 1 Apr 71
The growth and persistence of foot-and-mouth disease virus in the bovine mammary gland. Burrows R, et al. J Hyg (Camb) 69:307-21, Jun 71
The production of resistance to rifamycin SV in Staphylococcus aureus recovered from bovine udders. Ziv G. Zentralbl Veterinaermed [B] 17:633-6, Jun 70
The in vitro activity of several antibiotics against Pseudomonas of bovine udder origin. Ziv G, et al. Zentralbl Veterinaermed [B] 17:963-9, Nov 70
[On the pathogenesis of bovine mastitis] Hauke H, et al. Monatsh Vet Med 24:814-6, 1 Nov 69 (Ger)
[Most important means of effectively combating udder infections in larger dairy herds] Glawischnig E, et al. Wien Tieraerztl Monatsschr 58:127-31, Mar 71 (Ger)

PATHOLOGY

Differential diagnosis of virus infections of the bovine teat skin by electron microscopy. Gibbs EP, et al. J Comp Pathol 80:455-63, Jul 70
A cutaneous horn on the bovine teat. Corcoran CJ. Vet Rec 86:771-2, 27 Jun 70
[Morphogenesis of catarrhal-purulent mastitis in the cow] Rittenbach P. Arch Exp Veterinaermed 24:1441-60, 1970 (Ger)
[Presence of early lesions of chronic udder tuberculosis of cattle] Rittenbach P, et al. Monatsh Vet Med 24:97-9, 1 Feb 69 (Ger)

PHYSIOLOGY

The morphology of hormone induced structural changes in the female breast. Bässler R. Curr Top Pathol 53:1-89, 1970 (523 ref.)
Membrane potentials in the mammary gland of the lactating rat. Evans MH, et al. J Physiol (Lond) 213:49P-50P, Mar 71
[Rhythmic contractions of the bovine teat] Sambraus HH. Zentralbl Veterinaermed [A] 18:335-40, Jun 71 (Ger)

SECRETION

Secretion of IgA in the sheep following local antigenic stimulation. Lascelles AK, et al. Immunology 19:613-20, Oct 70
The relationship of milk phospholipids to membranes of the secretory cell. Patton S, et al. Lipids 6:58-61, Jan 71

SURGERY

Extraction of air gun pellet from the teat canal of a cow. Maity KV, et al. Indian Vet J 47:1124-6, Dec 70

ULCER (C17)

see also specific
PEPTIC ULCER (C4)
SKIN ULCER (C12)

Chronic ulcerative jejunoileitis. Karz S, et al. Am J Gastroenterol 56:61-7, Jul 71
The continuing problem of jejunal ulcer. Small WP, et al. Am J Surg 121:541-7, May 71
[An unusual case of vulvar ulcer of acute onset] Joost T van. Ned Tijdschr Geneeskd 115:1060-2, 19 Jun 71 (Dut)
[Arterial ulcers] Huriez C, et al. Bull Soc Fr Dermatol Syphiligr 77:699-707, 1970 (Fre)
[Ulcero-mutilating acropathia of the lower extremities (non-familial idiopathic acro-osteolysis)] Santolanni P, et al. G Ital Dermatol 44:538-44, Oct 69 (Ita)
[Diabetic polyneuritis with sensitivo-trophic symptoms of a syringomyelic type] Mapelli G, et al. Riv Sper Freniatr 94:392-402, 30 Apr 70 (Ita)
[Pseudosyringomyelitic acropathy (Bureau-Barriere syndrome)] Ludianskif EA, et al. Sov Med 33:146-7, Oct 70 (Rus)

CHEMICALLY INDUCED

Hyperplastic mucosal changes in the rabbit colon produced by degraded carrageenin. Watt J, et al. Gastroenterology 59:760-8, Nov 70
Carrageenen ulceration and ulcerative colitis. Sharratt M, et al. J Pathol 103:p18-9, Feb 71
[A further case of ulcerous stenosis of the small intestine due to potassium chloride] Godquin B. Chirurgie 96:969-72, Dec 70 (Fre)
[Gastrointestinal disorders following Potassium administration] Godquin B. Int Surg 56:198-203, Sep 71 (Fre)
[Ulcerous stenosis of the small intestine after absorption of potassium tablets] Buchet R, et al. J Radiol Electrol Med Nucl 50:149-51, Mar-Apr 69 (Fre)
[Clinical and cytological findings in chromium rhinopathy] Cavazzani M, et al. Med Lav 61:168-73, Mar 70 (Ita)
[Lesions of the small intestine caused by oral administration of potassium] Sacks S, et al. Rev Med Chil 98:453-6, Jul 70 (Spa)

COMPLICATIONS

Aphthous esophagitis. Collins WJ, et al. Gastrointest Endosc 17:115-6 passim, Feb 71
[Anatomopathologic study of lesions of the foot in non-familial ulcerative mutilating acropathy] Falzi M, et al. Fracastoro 62:454-61, Sep-Oct 69 (Ita)
[Neurogenic osteoarthropathies of the feet in diabetic patients] Falzi M, et al. Fracastoro 62:462-6, Sep-Oct 69 (Ita)
[Ulcerative hemorrhagic enteritis accompanied by steatorrhea] Potkonjak D, et al. Med Pregl 23:215-8, 1970 (Ser)

DIAGNOSIS

Nonspecific ulcerati of the cecum. Benninger GW, et al. Am J Gastroenterol 55:594-601, Jun 71
EMG investigation in a case of Acropathia ulceromutilans et deformans pseudosyringomyelitica. Kilimov N, et al. Electromyography 10:317-24, Sep-Oct 70
Fatal ischemic intestinal ulcerations. Klutzow FW. Wis Med J 69:191-3, Aug 70
[Diagnosis of an ulceration of the mobile tongue] Lartigau G, et al. Rev Odontostomatol Midi Fr 28:114-28, 1970 (Fre)
[Diagnosis of mouth ulcers] Donazzan M. Rev Stomatoodontol Nord Fr 25:121-30, 1970 (Fre)

DRUG THERAPY

Healing of experimental rat tongue ulcers using isobutyl-2-cyanoacrylate. Giunta J, et al. Oral Surg 31:140-8, Jan 71
[Clinical experimentation with a new antiseptic in general surgery] Flastre Y. Therapeutique 45:845-53, Jun-Jul 69 (Fre)
[On the cicatrizant action of N-acetyl-amino-6-hexanoic acid. Further clinical trials] Bassi R, et al. G Ital Dermatol 46:224-30, May 71 (Ita)
[The action of exogenous hyaluronic acid on healing processes of solutions of continuity and of torpid sores] Gualtieri G. Policlinico [Med] 77:96-102, Mar-Apr 70 (Ita)
[Clinico-statistical study of the effectiveness of a cutaneous topical preparation with anabolic and antibiotic action] Esposito C. Rass Int Clin Ter 50:491-7, 30 Apr 70 (Ita)
[Effect of ribonucleotide replacement therapy in certain diseases] Fuks BB, et al. Biull Eksp Biol Med 68:23-6, Sep 69 (Rus)

ETIOLOGY

Thrombotic ulcerations of the gastrointestinal tract. Margaretten W, et al. Arch Intern Med 127:250-3, Feb 71
[Brachy-esophageal ulcer 36 years after caustic esophagitis] Lescut J, et al. J Belge Radiol 51:109-11, 1968 (Fre)
[Effect of prostheses on the underlying tissues] Gasser F. Dtsch Zahnaerztl Z 25:784-92, Aug 70 (Ger)
[Neural osteoarthropathy caused by traumatic lesion of the peripheral nerve trunks. Presentation of 2 cases] Falzi M, et al. Fracastoro 63:156-9, Mar-Apr 70 (Ita)
[Diagnosis and treatment of trophic ulcers caused by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

arteriovenous fistulas] Sanvitale L.
Minerva Chir 25:1240-1, 30 Sep 70 (Ita)
[Pseudosyringomyelitic acropathy] Karalitskif EM.
Vestn Dermatol Venerol 44:72-6, Jun 70 (Rus)

FAMILIAL & GENETIC

[Hereditary sensory neuropathy (Denny-Brown) (Familial acroosteolysis)] Partsch H.
Wien Klin Wochenschr 82:129-36, 20 Feb 70 (Ger)
[Neurogenic osteoarthropathies (radiographic aspects)] Sabetta F, et al.
Chir Organi Mov 59:29-56, Jun 70 (Ita)
[Thevenard's syndrome] Wasowicz B, et al.
Neurol Neurochir Pol 5:245-9, 1971 (Pol)
[Neurodiagnostical certitude and orthopedic-surgical criteria in Thévenard's mutilating acropathy] Kearney RO.
Prensa Med Argent 57:932-43, 10 Jul 70 (Spa)

PATHOLOGY

Cauliflower growths in neuropathic plantar ulcers in leprosy patients. Srinivasan H, et al.
J Bone Joint Surg [Am] 53:123-32, Jan 71

PHYSIOPATHOLOGY

[Renal clearance of calcium and phosphorus during ulcerogenic restraint in rats. Effect of parathyroidectomy, of thyroparathyroidectomy and of adrenalectomy] Gairard A, et al.
J Physiol (Paris) 1:Suppl 1:131-2, 1969 (Fre)

SURGERY

Small bowel resection of uremic ulcers. Korobkin M, et al. Am Surg 37:285-8, May 71
[93 observations of post-operative peptic ulcer] Lagache G, et al. Lille Med 14:1021-6, Nov 69 (Fre)
[Plastic surgery to cover ulcerative defects in the sclera] Reinisch G.
Klin Monatsbl Augenheilkd 156:417-20, Mar 70 (Ger)

VETERINARY

Ulceration of the ileum, and giardiasis in a Beagle. Christie DW, et al. Vet Rec 88:214-5, 20 Feb 71

ULCER, RODENT see under CARCINOMA, BASAL CELL (C2)

ULNA (A2)

Radioulnar synostosis. A common occurrence in sex chromosomal abnormalities. Jancu J.
Am J Dis Child 122:10-1, Jul 71
A functional ulnar deviation cuff for the rheumatoid deformity. Quest IM, et al.
Am J Occup Ther 25:32-7 passim, Jan 71
Relationship of bone remodeling, oxygen consumption, and blood flow in bone. Sim FH, et al.
J Bone Joint Surg [Am] 52:1377-89, Oct 70
Intra-osseous malignant schwannoma. Bose KS, et al.
J Indian Med Assoc 54:328-9, 1 Apr 70
Osteogenic sarcoma in childhood. Marcove RC, et al.
NY State J Med 71:855-9, 15 Apr 71
[Anatomical aspects of superior radiocubital congenital synostosis] Fischer L, et al.
Lyon Med 225:1004-7, 23 May 71 (Fre)
[Results of the use of Sr-85 isotopes from the viewpoint of bone pathology] Glauber A, et al.
Beitr Orthop Traumatol 17:51-2, Jan 70 (Ger)
[Dislocation at the distal radio-ulnar joint as a result of radial head excision in traumatic lesions] Gowin-Lasocka S.
Chir Narzadow Ruchu Ortop Pol 36:13-8, 1971 (Pol)
[Radiodensimetry evaluation of the degree of osteoporosis in the peripheral sector of the ulna in elderly women] Zatoński E.
Chir Narzadow Ruchu Ortop Pol 35:781-6, 1970 (Pol)
[Surgery of pseudoarthrosis of the forearm bones] Lyzhin AV.
Ortop Travmatol Protez 31:59-62, Jul 70 (Rus)
[Hemangioendothelioma of the ulnar diaphysis (report of a case)] Borkin ZM. Vopr Onkol 16:89-90, 1970 (Rus)

ABNORMALITIES

Congenital radio-ulnar synostosis. Report of 37 cases. Hansen OH, et al. Acta Orthop Scand 41:225-30, 1970
Dyschondrosteose. Mesomelic dwarfism of Lwel and Weill. Felman AH, et al.
Am J Dis Child 120:329-31, Oct 70
[Léri-Weill dyschondrosteosis] Fournier A, et al.
Pediatrie 26:291-303, Apr-May 71 (Fre)
[Hypoplasia of the ulna] Ackermann HJ, et al.
Beitr Orthop Traumatol 17:367-73, 1970 (Ger)
[Hypoplasia of the ulna] Prinz P.
Beitr Orthop Traumatol 16:23-9, Jan 69 (Ger)
[Radial-ulnar synostosis] Keel A.
Praxis 60:791-8, 15 Jun 71 (Ger)
[Congenital radio-ulnar synostosis] Ricciardi L.
Minerva Ortop 20:363-74, Sep 69 (Ita)

ANATOMY & HISTOLOGY

Perforation of the coronoid-olecranon septum. Humero-ulnar relationships in Netherlands and African populations. Glanville EV.
Am J Phys Anthropol 26:85-92, Jan 67

GROWTH & DEVELOPMENT

Accurate ulna measurements and growth. Vaik IM.
Acta Endocrinol [Suppl] (Kbh) 155:225, 1971

INJURIES

Anterior dislocation of the distal ulna without accompanying fracture of the ulnar styloid. Head RW.
Br J Radiol 44:468, Jun 71
Bilateral fractures of the radius and ulna of a dog repaired with Jonas splints. Fellenbaum S, et al.
J Am Vet Med Assoc 152:365-9, 15 Feb 68
Multiple skeletal injuries with telescoping of the forearm: case report and discussion. Ewald FC.
J Trauma 11:352-6, Apr 71
The tension-band principle in fixation of an equine ulnar fracture. Johnson JH, et al.
Vet Med Small Anim Clin 66:552-6, Jun 71
[Remarks on the surgical treatments of 61 fractures of the oleocranon] Babin S, et al.
Ann Chir 24:1379-84, Dec 70 (Fre)
[Postoperative treatment of the Galeazzi and Monteggia syndrome] Kovalkovits I, et al.
Chirurg 42:88-90, Feb 71 (Ger)
[Posttraumatic carpal osteolysis following isolated fracture of the distal radius] Fischer E.
Fortschr Geb Roentgenstr Nuklearmed 112:541-2, Apr 70 (Ger)
[Pseudarthrosis at the distal end of the ulna caused by tendon interposition] Anderle P.
Monatsschr Unfallheilkd 72:481-5, Nov 69 (Ger)
[Therapeutic results in forearm shaft fractures] Mann K, et al.
Monatsschr Unfallheilkd 72:108-19, Mar 69 (Ger)
[Classification and treatment of olecranon fractures] Scheuba G, et al.
Monatsschr Unfallheilkd 73:220-7, May 70 (Ger)
[The Monteggia injury--therapy results] Weis J.
Monatsschr Unfallheilkd 73:409-29, Sep 70 (Ger)
[Technical trends and results of our method of coarctating nailing of the forearm bones] Vinditti D, et al. Chir Organi Mov 57:473-516, 1969 (Ita)
[Treatment of biosseous fractures of the 3rd distal segment of the forearm in children] Rosenholz U.
Friuli Med Suppl 6:1221+, Nov-Dec 68 (Ita)
[Weber's method of treatment of olecranon and medial malleolus fractures] Gellert J, et al.
Chir Narzadow Ruchu Ortop Pol 36:297-301, 1971 (Pol)
[Fracture of the ulna and of the neck of the radius in a child as a specific form Monteggia's fracture] Pizio Z.
Chir Narzadow Ruchu Ortop Pol 35:585-8, 1970 (Pol)
[Evaluation of results in the treatment of Monteggia's fractures] Widniewski T, et al.
Chir Narzadow Ruchu Ortop Pol 35:579-84, 1970 (Pol)
[Surgical treatment of chronic dislocations of the head of the radial and ulnar bones in conjunction with pseudarthroses of the forearm bones] Faddeev DI.
Ortop Travmatol Protez 32:44-9, Apr 71 (Rus)
[Nerve injuries in ulnar fractures in association with dislocation of the head of the radial bone in children] Gorenshtafn AI.
Ortop Travmatol Protez 31:18-20, Jul 70 (Rus)
[Surgical treatment of chronic Monteggia's injuries] Il'inov MG, et al.
Ortop Travmatol Protez 32:53-5, Apr 71 (Rus)
[Treatment of chronic Monteggia's and Galeazzi's injuries] Skoblin AP, et al.
Ortop Travmatol Protez 32:49-53, Apr 71 (Rus)
[Treatment of inveterate injuries of the radio-ulnar joint] Abdulkhabirov MA.
Vestn Khir 105:117-8, Oct 70 (Rus)
[Treatment of diaphyseal fractures of the forearm bones] Bakulin FM. Vestn Khir 105:100-3, Nov 70 (Rus)

METABOLISM

[Effect of a preparation of exogenous homologous RNA and hydrocortisone on the level of collagen and glucosaminoglycans in rat bone regenerate preparation] Babichuk GA, et al.
Biull Eksp Biol Med 68:82-5, Oct 69 (Rus)

PHYSIOLOGY

Ulnar resonant frequency determination and its relevance to the assessment of osteoporosis. Davies GT, et al. Phys Med Biol 16:143, Jan 71
Ulnar resonant frequency determination and its relevance to the assessment of osteoporosis. Jurist JM. Phys Med Biol 16:149-50, Jan 71
In vivo determination of the elastic response of bone. I. Method of ulnar resonant frequency determination. Jurist JM. Phys Med Biol 15:417-26, Jul 70

PHYSIOPATHOLOGY

In vivo determination of the elastic response of bone. II. Ulnar resonant frequency in osteoporotic, diabetic and normal subjects. Jurist JM.
Phys Med Biol 15:427-34, Jul 70

RADIOGRAPHY

[Early x-ray diagnosis of the chronic rheumatic polyarthritis in hand bones. Importance of osteoporosis, spreading of articular space as well as changes in processus styloides ulnae] Lange A, et al.
Dtsch Gesundheitsw 25:2425-30, 17 Dec 70 (Ger)
[Clinical and radiologic aspects of osteoid osteoma. 2 cases of unusual localization] Trotti MB, et al.
Arch Sci Med (Torino) 126:1019-24, Nov 69 (Ita)

SURGERY

Vitallium prosthesis for the olecranon and proximal part of the ulna. Case report with thirteen-year follow-up. Johnson EW Jr, et al.
J Bone Joint Surg [Am] 52:721-4, Jun 70
[Importance of distal cubitectomy in the traumatic sequelae of the wrist and the forearm. Long term results] Wagner J, et al.
Acta Orthop Belg 35:835-48, Sep-Oct 69 (Fre)
[Lengthening of the ulna in the treatment of Kienböck's disease. Long-term results. Apropos of 10 cases] Sommelet J, et al.
Rev Chir Orthop 56:731-43, Dec 70 (Fre)
[Late results of ulnar head resection] Beck E, et al.
Monatsschr Unfallheilkd 72:432-7, Oct 69 (Ger)
[Delayed functional results of the repair of Monteggia injury] Wenzel KP, et al.
Monatsschr Unfallheilkd 72:66-73, Feb 69 (Ger)
[Surgical treatment of congenital radial clubhand] Kuz'menko VV.
Ortop Travmatol Protez 32:22-4, Jan 71 (Rus)

TRANSPLANTATION

Treatment of congenital radial club hand. Define D.
Clin Orthop 73:153-9, Nov-Dec 70

ULNAR NERVE (A8)

Entrapment of the ulnar nerve at the elbow. Ho KC, et al. Am J Surg 121:355-6, Mar 71
Ulnar nerve conduction velocity--effect of elbow position on measurement. Checkles NS, et al.
Arch Phys Med Rehabil 52:362-5, Aug 71
Zancolli capsulorrhaphy for ulnar claw hand. Appraisal of forty-four cases. Brown PW.
J Bone Joint Surg [Am] 52:868-77, Jul 70
Paralysis of the intrinsic muscles of the hand secondary to lipoma in Guyon's tunnel. McFarland GB Jr, et al.
J Bone Joint Surg [Am] 53:375-6, Mar 71
Use of the extensor pollicis brevis to restore abduction in the unstable thumb. Enna CD.
Plast Reconstr Surg 46:350-6, Oct 70
The ulnar tunnel syndrome. Kleinert HE, et al.
Plast Reconstr Surg 47:21-4, Jan 71
Hansen's disease in a peripheral nerve. Grizzle CO.
Rocky Mt Med J 68:40-2, Jul 71
Ganglion cyst causing ulnar compression syndrome at the wrist. Kullbom JB, et al.
SD J Med 24:5-8 passim, Jan 71
[The supracondylar process of the humerus; its neuro-vascular complications. The supracondylar canal syndrome] Magnant JS, et al.
Chirurgie 97:336-43, 1971 (Fre)
[Pre- and post-operative serial electrophysiological findings in "arthrogenic" paralysis of the ulnar nerve at the elbow (Mouchet syndrome)] Messina C, et al.
Minerva Neurochir 14:1-9, 1970 (Ita)
[Late paralysis of the ulnar nerve. Case report] Defabiani F, et al. Minerva Ortop 20:852-5, Dec 69 (Ita)
[Case of distal ulnar nerve paralysis due to ganglion in a youth] Miwa M, et al.
Orthop Surg (Tokyo) 21:957-8, Oct 70 (Jap)

ANATOMY & HISTOLOGY

[Liminary note on the topography of the dorsal cutneous branch of the ulnar nerve. Its value in surgical approach of the inferior quarter of the ulna] Fischer L, et al. Lyon Med 224:897-9, 20 Dec 70 (Fre)

DRUG EFFECTS

Quantitative assessment of residual curarization in humans. Ali HH, et al. Br J Anaesth 42:802-3, Sep 70

INJURIES

Karate injuries. Nieman EA, et al.
Br Med J 1:233, 23 Jan 71
[Habitual dislocation of the ulnar nerve as a predisposition of ulnar pareses] Müller I.
Acta Chir Orthop Traumatol Cech 37:291-3, Oct 70 (Cze)
[Results of ulnar nerve sutures. An analysis of 33

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

surgical cases] Debrunner-Mattila-Oukar.
Helv Chir Acta 37:356-66, Jun 70 (Ger)
[Late ulnar palsy] Seelenfreund M.
Harefuah 78:7-8, 1 Jan 70 (Heb)
[Lesions of the motor branch of the median and ulnar nerves] Marchetti N.
Arch Putti Chir Organi Mov 25:85-95, 1970 (Ita)
[Lesion of the ulnar nerve caused by anterior dislocation in the dysplastic elbow] Poglayen C, et al.
Minerva Ortop 21:578-84, Nov 70 (Ita)

PATHOLOGY

Nerves in the arm in leprosy. 2. Pathology, pathogenesis and clinical correlations. Dastur DK, et al. Int J Lepr 38:30-48, Jan-Mar 70

PHYSIOLOGY

Maturity estimation in newborn infants motor and sensory nerve conduction velocities. Biom S, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:24+, 1970
Single unit analysis of mechanoreceptor activity from the human glabrous skin. Knibestöl M, et al.
Acta Physiol Scand 80:178-95, Oct 70
Determination of peripheral sensory nerve conduction velocities in man from stimulus response delays of the cortical evoked potentials. Ball GJ, et al.
Electroencephalogr Clin Neurophysiol 30:409-14, May 71
Amplitude and duration of muscle response potentials at the beginning of a stimulation series. Baykuschew S, et al.
Electroencephalogr Clin Neurophysiol 30:280, Mar 71
[Conduction velocity of sensory fibers in the ulnar and median nerves as determined by antidromic stimulus] Lukáš E. Cesk Neurol 33:281-7, Nov 70 (Cze)
[Nerve conduction of velocity of the ulnar nerve in dogs] Kühn R.
Beitr Orthop Traumatol 18:214-8, Apr 71 (Ger)
[Excitability and conduction rate of the motor fibers of the ulnar nerve in humans] Cosi V, et al.
Riv Neurobiol 15:679-703, Oct-Dec 69 (Ita)
[Antidromic sensory conduction rate of the ulnar nerve i normal and pathological conditions] Messina C, et al.
Riv Neurol 40:336-44, Sep-Oct 70 (Ita)

PHYSIOPATHOLOGY

A study of the conduction velocity of the motor fibers of ulnar and median nerves in leprosy. Verghese M, et al. Int J Lepr 38:271-7, Jul-Sep 70
Effect of repeated periods of ischemia on motor nerve conduction velocity in forearm. Abramson DI, et al.
J Appl Physiol 30:636-42, May 71
Motor paralysis during asphyxial block of the ulnar nerve. Sinclair DC, et al.
J Neurol Neurosurg Psychiatry 34:51-6, Feb 71
Conduction velocity in the ulnar nerve in hemiplegic patients. Namba T, et al. J Neurol Sci 12:177-86, Feb 71
Motor nerve conduction velocity in diabetic neuropathy. Lal SK, et al.
Neurol India 18:189-91, Sep 70
Nerve conduction studies: an aid in the diagnosis of the thoracic outlet syndrome. Caldwell JW, et al.
South Med J 64:210-2, Feb 71
[Electromyographic studies of the ulnar nerve lesion in workers under risk of vibration. Attempt at demonstration of lesions in sensory fibers] Jandová D, et al. Cesk Neurol 34:64-8, Mar 71 (Cze)
[Data on motor nerve pathology of the limbs in medical diseases. Possibility of proximal injury with distal exitability preservation] Bigot B, et al.
Rev Neurol (Paris) 123:279-83, Oct 70 (Fre)
[Carpal tunnel and Gijon's tunnel syndrome] Okoniewski R, et al.
Chir Narzadow Ruchu Ortop Pol 35:691-5, 1970 (Pol)
[Functional state of the nerves and muscles of the upper extremity in aseptic necrosis of the semilunar bone of the wrist (Kienboeck's disease)] Cherkasova TI, et al. Ortop Travmatol Protez 32:34-9, Apr 71 (Rus)

SURGERY

Sensory-nerve-conduction velocity and two-point discrimmination in sutured nerves. Almquist E, et al.
J Bone Joint Surg [Am] 52:791-6, Jun 70
[Results of ulnar nerve sutures. An analysis of 33 surgical cases] Debrunner-Mattila-Oukar.
Helv Chir Acta 37:356-66, Jun 70 (Ger)
[Post-operative result of suturing of the median and ulnar nerves] Yoshizawa E, et al.
Orthop Surg (Tokyo) 21:961-3, Oct 70 (Jap)
[Conductivity of peripheral motor nerves at a remote period following neuroanastomosis] Danilewicz B, et al. Pol Przegl Chir 43:613-6, 1971 (Pol)
[Result of cross-juncture of heteronymous nerves of the upper arm] Kokin GS.
Vestn Khir 103:108-11, Jun 69 (Rus)
[Ulner nerve compression in the wrist (Guyon canal syndrome)] Ruszkowski I, et al.
Lijec Vjesn 92:781-7, Jul 70 (Cro)

ULTANDREN see FLUOXYMESTERONE (D2, D8)

ULTRACENTRIFUGATION (E5, H)

Improved technique for separation and analysis of soluble immune complexes. Steensgaard J, et al.
Acta Pathol Microbiol Scand [B] 79:19-22, 1971
Measurement of temperature within the sample cell during sedimentation velocity experiments. Incardona NL, et al. Anal Biochem 40:267-80, Apr 71
Sedimentation in a time-varying ultracentrifuge. Nossal RJ, et al. Anal Biochem 38:115-20, Nov 70
Computer simulation of sedimentation in the ultracentrifuge. V. Ideal and non-ideal monomer-trimer systems. Cox DJ.
Arch Biochem Biophys 142:514-26, Feb 71
Effects of pressure on sedimentation velocity patterns. I. Alpha chymotrypsin at pH 6.2. Kegeles G, et al.
Arch Biochem Biophys 141:59-62, Nov 70
Effect of pressure on sedimentation velocity patterns. 3. Concentration-dependent hypersharpening in myosin at pH 6.3. Kegeles G.
Arch Biochem Biophys 141:65-72, Nov 70
Effect of pressure on sedimentation velocity patterns. II. Myosin at pH 6.3. Kegeles G, et al.
Arch Biochem Biophys 141:63-7, Nov 70
The effect of rotor velocity on sedimentation coefficients. Charlwood PA.
Biochem J 120:113-6, Nov 70
Conformational changes in proteins as measured by difference sedimentation studies. I. A technique for measuring small changes in sedimentation coefficient. Kirschner MW, et al.
Biochemistry 10:1900-19, 11 May 71
Molecular weights and volumes from density perturbation ultracentrifugation. Application to aldolase and deoxyribonucleic acid polymerase in solutions of guanidine hydrochloride. Thomas JO, et al. Biochemistry 10:477-82, 2 Feb 71
An equation of consistency relating the harmonic mean relaxation time to sedimentation data. Squire PG.
Biochim Biophys Acta 221:425-9, 22 Dec 70
Comparison of membrane filtration and nephelometry with analytical ultracentrifugation, for the quantitative analysis of low density lipoprotein fractions. Stone MC, et al.
Clin Chim Acta 30:809-28, Dec 70
Incomplete sedimentation of Rauscher leukaemia virus particles during ultracentrifugation. Offers S, et al.
Eur J Cancer 7:357-9, Aug 71
Ultracentrifugal analysis of staphylococcal alpha toxin. Foriani L, et al. J Bacteriol 106:138-42, Apr 71
Binding of a polypeptide antigen to ribonucleic acid from macrophage, HeLa and Escherichia coli cells. Roelants GE, et al. J Immunol 106:1222-6, May 71
Graphic presentation of computer-derived Schlieren lipoprotein data. Jensen LC, et al.
Lipids 5:491-3, May 70
Plasminogen-fibrinogen complex formation as a prelude to fibrinogenolysis. A density-gradient ultracentrifugation study of radioiodinated systems involving urokinase, plasminogen, and fibrinogen. Ball AP, et al. Thromb Diath Haemorrh 25:114-28, 1971
Sedimentation of small viruses at very low concentrations. McNaughton P, et al.
Virology 45:1-9, Jul 71
[Rapid determination of the molecular weight of various proteins before the establishment of centrifugation equilibrium] Moreux JC, et al.
C R Acad Sci [D] (Paris) 272:2343-6, 26 Apr 71 (Fre)
[Band sedimentation method for the analysis of macromolecules in ultracentrifugation] Danusso L, et al. Ann Ist Super Sanita 5:802-21, 1969 (Ita)
[Studies of protein analysis in the nucleus and the cortex of the bovine lens. 2. Effects of SH-containing reagents on the sedimentation coefficient] Mikuni I.
Acta Soc Ophthalmol Jap 74:1528-33, Nov 70 (Jap)
[Determination of antibiotic binding levels with blood serum proteins by ultracentrifugation] Grigor'eva VM, et al. Antibiotiki 15:829-32, Jul 70 (Rus)

INSTRUMENTATION

Analytical techniques for cell fractions. XIV. Use of drainage syphons in a fast-analyzer cuvet-rotor. Anderson NG. Anal Biochem 32:59-69, 15 Oct 69
A densitometer for analytical ultracentrifuge films utilizing the Gilford linear transport. Rees AW.
Anal Biochem 39:188-96, Jan 71
Modification of the photoelectric scanner of the analytical ultracentrifuge for schlieren analysis. Reisner AH, et al. Anal Biochem 41:1-15, May 71
Alignment of schlieren and Rayleigh optical systems in the ultracentrifuge. II. A general procedure. Richards EG, et al. Anal Biochem 41:215-47, May 71
Alignment of schlieren and Rayleigh optical systems in the ultracentrifuge. I. Focusing of the camera and cylindrical lenses. Richards EG, et al.
Anal Biochem 41:189-214, May 71

ULTRASONIC THERAPY (E2)

Ultrasonic emulsification and aspiration of traumatic hyphema. A preliminary report. Kelman CD, et al.
Am J Ophthalmol 71:1289-91, Jun 71
Ultrasonic dacryocystorhinostomy. Krasnov MM.
Am J Ophthalmol 72:200-1, 30 Jul 71
Ultrasound in retinal detachment. A preliminary report. Karlin DB. Arch Ophthalmol 84:409-14, Oct 70
Keloids and ultrasound. Wright ET, et al.
Arch Phys Med Rehabil 52:280-1 passim, Jun 71
Labyrinthectomy and ultrasonic irradiation in Meniere's disease. Pedersen CB, et al.
Dan Med Bull 18:86-8, Jun 71
Ultrasound in retinal detachment surgery. Karlin DB.
Int Ophthalmol Clin 9:709-37, Fall 69
Physics of ultrasound in cataract removal. Kelman CD.
Int Ophthalmol Clin 9:739-44, Fall 69
A new method of applying ultrasonic therapy. Kaiser HS. J Am Podiatry Assoc 60:280-2, Jul 70
Effect of ultrasonic hypophysectomy on diabetic retinopathy. Giancarlo HR, et al.
Laryngoscope 81:452-64, Mar 71
Treatment of shoulder-hand syndrome. Combined ultrasonic application to stellate ganglion and physical medicine. Goodman CR.
NY State J Med 71:559-62, 1 Mar 71
An evaluation of ultrasonic therapy for temporomandibular joint dysfunction. Grieder A, et al. Oral Surg 31:25-31, Jan 71
Interaction of low intensity ultrasound and ionizing radiation with the tumour cell surface. Repacholi MH, et al. Phys Med Biol 16:221-7, Apr 71
What is the best method in the use of ultrasound for the treatment of plantar warts? Griffin JE, et al.
Phys Ther 51:82-3, Jan 71
The use of ultrasonics in physical medicine. Buchan JF.
Practitioner 205:319-26, Sep 70
Physiological aspects of ultrasonic aerosols. Muir DC.
Respiration 27:Suppl:185-90, 1970
The removal of difficult ocular foreign bodies. Howsam KG. Trans Aust Coll Ophthalmol 1:24-6, 1969
[Ultrasonics and pleural sequelae] Dumon JF, et al.
Mars Med 107:830-2, 1970 (Fre)
[Action of ultrasound on the sequelae of pleurisy (a 16-year study)] Dumon JF, et al.
Rev Tuberc Pneumol (Paris) 34:972-7, Nov 70 (Fre)
[Medical ultrasonic research in Poland] Jankowiak J.
Arch Phys Ther (Leipz) 21:35-9, Jan-Feb 69 (Ger)
[Corticoid excretion of spondylosis patients during ultrasonic therapy] Morariu E, et al.
Arch Phys Ther (Leipz) 21:67-72, Jan-Feb 69 (Ger)
[The treatment of bursitis calcarea with ultrasonics and Novadren-iontophoresis] Boykikeva SA.
Beitr Orthop Traumatol 17:490-1, 1970 (Ger)
[Ultrasonics for urinary calculi destruction (experimental studies)] Terhorst B, et al.
Biomed Tech (Stuttg) 16:106-8, 3 Jun 71 (Ger)
[Juvenile laryngeal papilloma from the viewpoint of a new method of treatment] Preibisch-Effenberger R.
Kinderaerztl Prax 39:1-7, Jan 71 (Ger)
[Long term therapy in cystic fibrosis] Stephan U.
Respiration 27:Suppl:212-5, 1970 (Ger)
[A new method of bladder calculi fragmentation: ultrasonic lithotripsy] Gasteyer KH.
Urologe 10:30-2, Jan 71 (Ger)
[5 years of endolaryngeal ultrasonic therapy in juvenile laryngeal papilloma] Preibisch-Effenberger R.
Z Aerztl Fortbild (Jena) 64:1150-4, 15 Nov 70 (Ger)
[Penetration of ultrasonic acqueous mist into the bronchial tree. A study by means or radiotechnetium] Marabini A, et al.
Fracastoro 63:463-76, May-Aug 70 (Ita)
[Ultrasonics in the therapy of gastritis] Veretennikov A. Rass Int Clin Ter 49:1129, 15 Sep 69 (Ita)
[Experimental studies on clinical and pathological changes of neighbouring tissues of lens by ultrasonic vibrating tip for phaco-emulsification. 3. Clinical and pathological changes using tubular tip for phaco-emulsification and aspiration] Ito K.
Acta Soc Ophthalmol Jap 74:1484-8, Nov 70 (Jap)
[Senile cataract extraction by ultrasonics] Kuwabara Y. J Jap Med Assoc 64:1154-66, 15 Nov 70 (Jap)
[Professor Troutman's lecture on ultrasonic emulsification-suction therapy for cataract] Otsuka J.
Ophthalmology (Tokyo) 13:89, Jan 71 (Jap)
[Effect of ultrasound on callus formation in rabbits] Luchkov VI, et al.
Eksp Khir Anesteziol 15:44-6, Nov-Dec 70 (Rus)
[Some methodological data and experience in the therapeutic use of ultrasound in obstetric and gynecologic practice] Khentov RA, et al.
Nov Med Priborostr 3:36-8, 1969 (Rus)
[Ultrasonic dosimetry] Leont'ev AP, et al.
Nov Med Priborostr 1:127-32, 1970 (Rus)
[Use of ultrasound and hydrocortisone phonophoresis in the treatment of vasomotor rhinitis] Nikolaevskaia VP, et al. Nov Med Priborostr 3:32-5, 1969 (Rus)
[Effectiveness of repeated ultrasonic therapy in traumatic cataracts] Krivitskiĭ AK.
Oftalmol Zh 26:61-2, 1971 (Rus)
[Ultrasound in therapy of various eye diseases] Levchenko OG. Oftalmol Zh 26:207-10, 1971 (Rus)
[Ultrasonic therapy in degeneration of the macula] Shpak NI, et al. Oftalmol Zh 26:212-5, 1971 (Rus)
[Ultrasonics in the treatment of several complications of eye trauma] Sokolenko OM, et al.
Oftalmol Zh 25:354-8, 1970 (Rus)
[Ultrasonic therapy of patients with pulmonary

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tuberculosis] Avlasenko VS.
Probl Tuberk 48:51-3, 1970 (Rus)
[Ultrasonic therapy of patients with initial diagnosis of pulmonary tuberculosis and long-term destructive changes] Gunich LA, et al.
Probl Tuberk 48:48-51, 1970 (Rus)
[Change in the extrasecretory function of the pancreas in patients with peptic ulcer under ultrasonic therapy] Andreeva GP. Ter Arkh 42:49-51, Jul 70 (Rus)
[Mechanism of the therapeutic effect of segmentary ultrasonic treatment] Bazyka AP, et al.
Vestn Dermatol Venerol 45:32-8, Jan 71 (Rus)
[Treatment of arthrosis deformans of the knee joint with ultrasound] Koval'chuk IA.
Vestn Khir 102:111, May 69 (Rus)
[Repair of bone defects and regeneration of bone tissue by ultrasonic welding] Poliakov VA.
Voen Med Zh 7:8-11, Jul 70 (Rus)
[Ultrasound in the complex treatment of active pulmonary tuberculosis] Polunin VI, et al.
Voen Med Zh 7:74-6, Jul 70 (Rus)
[Immediate and remote results of the ultrasound therapy in patients with peptic ulcer] Ivancho ES.
Vopr Kurortol Fizioter Lech Fiz Kult 35:286-8, May-Jun 70 (Rus)
[Mechanism of action of ultrasound oscillation on the smooth muscles] Kobakhidze AV.
Vopr Kurortol Fizioter Lech Fiz Kult 35:248-53, May-Jun 70 (Rus)
[Use of ultrasound in therapy of neuroreceptor forms of impotence] Neshkov NS.
Vopr Kurortol Fizioter Lech Fiz Kult 35:270, May-Jun 70 (Rus)
[Ultrasonic therapy of some skin diseases] Shpektorova RA.
Vopr Kurortol Fizioter Lech Fiz Kult 35:549-51, Nov-Dec 70 (Rus)
[Ultrasonic therapy of hidradenitis and mastitis] Skliarevskif EA, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:466-7, Sep-Oct 70 (Rus)
[Experience with the use of several physical methods of treatment of patients following surgery for injuries to peripheral nerves in the extremities] Antropova MI. Vopr Neirokhir 35:49-54, Mar-Apr 71 (Rus)
[Ultrasonics through the round window, new surgery of Menière's disease] Salvá J, et al.
Acta Otorinolaryngol Iber Am 21:295-308, 1970 (Spa)
[Ultrasonic therapy in Meniere's vertigo] Scola E.
Acta Otorinolaryngol Iber Am 21:179-83, 1970 (Spa)
[The effect of ultrasound on the sensitivity of several organisms to antibiotics and on their pathogenic properties] Zanger AIu, et al.
Mikrobiol Zh 31:665-8, Nov-Dec 69 (Ukr)

ADVERSE EFFECTS

Effect of diagnostic and therapeutic intensities of ultrasonics on normal and malignant human cells in vitro. Loch EG, et al.
Am J Obstet Gynecol 110:457-60, 15 Jun 71
Hyponatremia secondary to ultrasonic aerosol therapy in the newborn infant. Tamer MA, et al.
J Pediatr 77:1051-4, Dec 70
Should the number of treatments with ultrasound be limited and if so, what period is desirable? Griffin JE, et al. Phys Ther 51:83, Jan 71

INSTRUMENTATION

[The Ul'trazvuk T5 ultrasonic therapy portable apparatus] Leont'ev AP, et al.
Nov Med Priborostr 3:60-6, 1967 (Rus)
[Ultrasonic transmitter for treatment of eye diseases by ultrasound and electrophoresis] Tsok RM, et al.
Vestn Oftalmol 2:82-3, 1971 (Rus)

ULTRASONICS (H)

see also specific
ECHOENCEPHALOGRAPHY (E1)

Ultrasonic dispersal of cervical cell aggregates. Parry JS, et al. Acta Cytol (Baltimore) 15:163-6, Mar-Apr 71
Ultrasound (a-mode) in a case of nasal posterior scleral ectasy. Fledelius H.
Acta Ophthalmol (Kbh) 48:502-7, 1970
Experimentalinvestigations of the effect of various parts of the eye on the sound field in the ultrasonic method. Oksala A.
Acta Ophthalmol (Kbh) 48:1157-65, 1970
Experimental observations on the acoustic shadow in B-scan examination of the eye. Oksala A, et al.
Acta Ophthalmol (Kbh) 49:151-8, 1971
Experimental studies on the echogram of the human lens. Oksala A, et al.
Acta Ophthalmol (Kbh) 48:487-93, 1970
Experimental observations on the reflection and interference phenomenon of the ultrasound caused by orbital fat and muscular tissues. Oksala A, et al.
Acta Ophthalmol (Kbh) 48:481-6, 1970
Experimental studies on the effect of the eye globe on the ultrasonic field. Oksala A.
Acta Ophthalmol (Kbh) 49:308-16, 1971
Doppler indices of decompression sickness: their evaluation and use. Smith KH, et al.
Aerosp Med 41:1396-400, Dec 70
Ultrasonic studies on the volumetric growth of the human placenta. Hellman LM, et al.
Am J Obstet Gynecol 108:740-50, 1 Nov 70
Ultrasonic localization of the IUCD: a new technique. Nemes G, et al.
Am J Obstet Gynecol 109:1219-20, 15 Apr 71
Combined method for evaluating fetal well-being by plasma estriol measurements and ultrasonography. Schiffer MA, et al.
Am J Obstet Gynecol 108:1277-86, 15 Dec 70
Measurement of choroidal pulsation with M-scan ultrasound. Coleman DJ.
Am J Ophthalmol 71:Suppl:363-5, Jan 71
The effect of ultrasonic cement removal upon Ca 45 penetration beneath orthodontic bands. Schroeder DH. Am J Orthod 60:199, Aug 71
The effects in rats of increasing intensity of ultrasonic nebulization of water. Berry FA Jr, et al.
Anesth Analg (Cleve) 49:620-2, Jul-Aug 70
The quantitative analysis of occlusive peripheral arterial disease by a non-intrusive ultrasonic technique. Gosling RG, et al. Angiology 22:52-5, Jan 71
Contamination of ultrasonic nebulization equipment with gram negative bacteria. Rhoades ER, et al.
Arch Intern Med 127:228-32, Feb 71
Effects of ocular structures on propagation of ultrasound in the eye. Lizzi FL, et al.
Arch Ophthalmol 84:635-40, Nov 70
Transcutaneous observation of blood velocity in the ascending aorta in man. Light LH.
Bibl Cardiol 26:214-21, Mar-Apr 69
A preliminary investigation of the use of ultrasonic holography in ophthalmology. Aldridge EE, et al.
Br J Radiol 44:126-30, Feb 71
Examination of sonicated human lymphocytes for chromosome damage. Coakley WT, et al.
Br J Radiol 44:563, Jul 71
Investigation of the effect of diagnostic ultrasound on brain growth and neurone proliferation of foetal and immature rats. A preliminary report. Ogden JR.
Br J Radiol 44:563, Jul 71
A comparative study of strain-gauge plethysmography and Doppler ultrasound in the assessment of occlusive arterial disease of the lower extremities. Yao ST, et al.
Br J Surg 57:860, Nov 70
Chromosome aberrations after exposure to ultrasound. Coakley WT, et al. Br Med J 1:109-10, 9 Jan 71
Chromosome aberrations induced by an ultrasonic fetal pulse detector. Macintosh IJ, et al.
Br Med J 4:92-3, 10 Oct 70
Chromosome breakage and ultrasound. Macintosh IJ. Br Med J 3:703, 18 Sep 71
Pulsatile velocity of blood in the pulmonary artery of dogs: measurement by an ultrasound gauge. Fricke G, et al. Cardiovasc Res 4:371-9, Jul 70
Testing of an improved ultrasound flowmeter: technical description and results of testing in vitro. Studer U, et al. Cardiovasc Res 4:380-7, Jul 70
Accuracy of an automated ultrasound blood pressure monitor. Hochberg HM, et al.
Curr Ther Res 13:129-38, Feb 71
Ultrasound in the measurement of fetal growth. MacGillivray I. Dev Med Child Neurol 13:106-7, Feb 71
Application of the doppler effect in investigating the cerebral circulation. Melis-Kisman E, et al.
Electroencephalogr Clin Neurophysiol 30:48, Mar 71
Biological action of ultrasound in relation to the cell cycle. Clarke PR, et al. Exp Cell Res 58:443-4, Dec 69
Ultrasonic dispersal of mammalian cell aggregates. Moore JL, et al. Exp Cell Res 65:228-32, Mar 71
Molecular alterations of human fibrinogen by ultrasonic frequencies. Hakim AA.
Experientia 26:1085-7, 15 Oct 70
Ultrasonic threshold dosages for the mammalian central nervous system. Dunn F, et al.
IEEE Trans Biomed Eng 18:253-6, Jul 71
A review of ultrasonic nebulization. Fenstermaker DE.
Int Anesthesiol Clin 8:949-67, Winter 70
Ophthalmic biometry using ultrasound. Coleman DJ.
Int Ophthalmol Clin 9:867-83, Fall 69
Concise physics of ultrasound as applied in ophthalmology. Sokollu A.
Int Ophthalmol Clin 9:793-828, Fall 69
Terminology of diagnostic ultrasound.
Int Ophthalmol Clin 9:829-34, Fall 69
Blood pressure measurement with Doppler ultrasonic flowmeter. Kazamias TM, et al.
J Appl Physiol 30:585-8, Apr 71
Laminar air purge of microorganisms in dental aerosols: prophylactic procedures with the ultrasonic scaler. Williams GH 3d, et al.
J Dent Res 49:Suppl:1496+, Nov-Dec 70
Production of single-walled cysts of Schizopyrenus russelli by sonication and their behaviour towards excystment-inducing and excystment-blocking agents. Rastogi AK, et al.
J Gen Microbiol 60:387-92, Mar 70
Absence of any observed effect of ultrasonic irradiation on human chromosomes. Bobrow M, et al.
J Obstet Gynaecol Br Commonw 78:730-6, Aug 71
Ultrasonic fetal cephalometry during the second trimester of pregnancy. Campbell S.
J Obstet Gynaecol Br Commonw 77:1057-63, Dec 70
Ultrasonic examination of proton-transfer reactions at the alpha-amino and side-chain groups of arginine and lysine in aqueous solution. Hussey M, et al.
J Opt Soc Am 49:1907-8, Jun 71
Ultrasonic scans of the dorsal surface of the tongue. Minifie FD, et al. J Opt Soc Am 49:1857-60, Jun 71
Ultrasonic damage to spinal cord and the synergistic effect of hypoxia. Taylor KJ. J Pathol 102:41-7, Sep 70
Effect of urea and other organic substances on the ultrasonic absorption of protein solutions. Lang J, et al. J Phys Chem 75:374-9, 4 Feb 71
Analysis of ultrasonic blood rheogram by the sound spectrograph. Kaneko J, et al.
Jap Circ J 34:1035-45, Nov 70
Ultrasonic irradiation on the inner ear. Seda HJ, et al.
Laryngoscope 81:510-23, Apr 71
Thermal effects of ultrasound on the temporal bone. James JA, et al. Med Biol Eng 8:477-81, Sep 70
The deformation of the ultrasonic field in passage across the living and cadaver head. White DN, et al.
Med Biol Eng 7:607-18, Nov 69
The transforming activity of sonicated Haemophilus influenzae DNA. Bach MH.
Mol Gen Genet 110:40-53, 1971
Experimental study on cerebral circulation and ultrasonic attenuation in dog. Wakabayashi S.
Nagoya Med J 16:113-24, Nov 70
Bimodal cochlear response curves in rodents. Brown AM. Nature (Lond) 228:576-7, 7 Nov 70
Ulnar resonant frequency determination and its relevance to the assessment of osteoporosis. Davies GT, et al. Phys Med Biol 16:148, Jan 71
Calibration of ultrasonic beams for bio-medical applications. Hill CR. Phys Med Biol 15:241-8, Apr 70
Ulnar resonant frequency determination and its relevance to the assessment of osteoporosis. Jurist JM. Phys Med Biol 16:149-50, Jan 71
Ultrasonometry in experimental shortening of the eyeball. Szczypiński J, et al. Pol Med J 8:937-41, 1969
Physical principles of ultrasonic aerosol generation for disinfection. Herzog P, et al.
Proc R Soc Med 63:911-3, Sep 70
Ultrasonic determination of liver and spleen volumes. Kardel T, et al. Scand J Clin Lab Invest 27:123-8, Apr 71
Ultrasound used for the registration of arterial pulse curves. Kristensen JK, et al.
Scand J Thorac Cardiovasc Surg 4:257-61, 1970
Ultrasonic laminography in the planning of external radiotherapy for gynaecologic tumours. Nieminen U, et al. Strahlentherapie 140:466-2, Oct 70
Cadmium sulphide piezoelectric film transducers for on-machine' ultrasonic evaluation of spot-welds. Hussain SB. Ultrasonics 9:158-65, Jul 71
Looking into the tooth and its surfaces with ultrasonics. Lees S, et al. Ultrasonics 9:95-100, Apr 71
Ultrasonic dispersal of aggregates of Sarcina lutea. Williams AR, et al. Ultrasonics 9:85-7, Apr 71
Ultrasonic absorption--a new technique. Woodcock JP.
Ultrasonics 8:213-5, Oct 70
The influence of ultra-sonic waves on the permeability of the synovial membrane. Engel D.
Z Gesamte Exp Med 155:1-12, 1971
Electron microscopial examination of the ultra-sonic effect on the rabbit's synovial membrane. Zichner L, et al. Z Gesamte Exp Med 154:1-13, 1971
[Changes in the structure and biological properties of O-antigens of Salmonella gallinarum under the effects of physical and chemical factors] G'l'bov S, et al.
Izv Mikrobiol Inst (Sofiia) 20:287-99, 1969 (Bul)
[Changes in the structure and biological properties of the complex O-antigen of Serratia marcescens under the effects of ultrasound] G'l'bov S.
Izv Mikrobiol Inst (Sofiia) 20:247-55, 1969 (Bul)
[Ultrasound in living tissue] Eklund J, et al.
Duodecim 86:1096-14, 1970 (Fin)
[Ultrasonic method compared with the Soxhlet method of extraction for atmospheric polycyclic hydrocarbons] Chatot G, et al.
Anal Chim Acta 53:259-65, Feb 71 (Fre)
[Angioechographies A and B and angiodopplerography] Jacquet M.
Angeiologie 22:367-74 passim, Nov-Dec 70 (Fre)
[Problems of calibration and temporary or prolonged application of electromagnetic and ultrasonic flowmeters] Messmer K, et al.
Ann Chir Thorac Cardiovasc 9:127-31, Jan 70 (Fre)
[Interpretation of morphologic data of normal and pathologic human liver obtained with ultrasonic echoscopy] Charbonnier A, et al.
Arch Fr Mal App Dig 58:828, Dec 69 (Fre)
[Action of ultrasound on the molecular characteristics of thymus nucleohistones] Colson P, et al.
Arch Int Physiol Biochim 78:989-91, Dec 70 (Fre)
[Intra-vitreous hemorrhages and echography A] Rousselie F, et al.
Arch Ophtalmol (Paris) 31:399-412, May 71 (Fre)
[Value of ultrasonic apparatus using the Doppler effect in obstetrics] Thoulon JM.
Bull Fed Soc Gynecol Obstet Lang Fr 21:257-9, Jun-Aug 69 (Fre)
[Oculometric results in infantile glaucoma] Gernet H, et al. Bull Mem Soc Fr Ophtalmol 82:41-7, 1969 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Ultrasonopelvimetry. A preliminary note apropos of 25 cases] Levi S, et al.
Bull Soc R Belge Gynecol Obstet 39:355-8, Jul-Aug 69 (Fre)

[Demonstration of pancreatic parenchymatous lesions by a technique of transverse axial echotomographies] Melki G.
C R Acad Sci [D] (Paris) 271:2455-7, 21 Dec 70 (Fre)

[Elementary systematization of tomo-echographic images: clinical applications] Weill F, et al.
J Radiol Electrol Med Nucl 51:389-98, Jun-Jul 70 (Fre)

[Continuous measurement of instantaneous blood flow] Peronneau P, et al.
Presse Med 79:1225-6, 29 May 71 (Fre)

[Ultrasonic fetal cephalometry. I. Technic, principles and precision of the method] Boog G, et al.
Rev Fr Gynecol Obstet 64:303-10, Jun 69 (Fre)

[Ultrasonic fetal cephalometry. 3. Detection of chronic fetal distress] Boog G, et al.
Rev Fr Gynecol Obstet 64:315-20, Jun 69 (Fre)

[Ultrasonic fetal cephalometry. II. Its value in obstetrical management] Boog G, et al.
Rev Fr Gynecol Obstet 64:311-4, Jun 69 (Fre)

[Ultrasonoglottography (preliminary report). Ultrasonic process of registration of the glottis joining during phonation] Kitamura T, et al.
Rev Laryngol Otol Rhinol (Bord) 90:190-5, Mar-Apr 69 (Fre)

[Application of the Doppler effect to cerebrovascular exploration (preliminary report)] Mellis-Kisman E, et al. Rev Neurol (Paris) 122:470-2, Jun 70 (Fre)

[Tachydensitometry (bone densitometry by measurement of the propagation speed of a sound wave)] Attali P, et al.
Rev Rhum Mal Osteoartic 36:225-8, May 69 (Fre)

[Alveolar echinococcosis of the liver. Immunologic diseases. Detection echography] Cornet A, et al.
Sem Hop Paris 46:3420-6, 20 Dec 70 (Fre)

[Studies on the effect of ultrasonics in different dosage on the the neural-conduction velocity in man] Edel H, et al.
Arch Phys Ther (Leipz) 22:255-9, Sep-Oct 70 (Ger)

[The effect of an ultrasonic-soleaerosol on pathogens and saprophytic germs suspended in the air] Kauf E, et al.
Arch Phys Ther (Leipz) 22:361-8, Nov-Dec 70 (Ger)

[Velocity of sound waves, acoustic impedance and absorption in the human long bones of the upper extremity] Christmann C, et al.
Beitr Orthop Traumatol 18:324-34, Jun 71 (Ger)

[Echo ophthalmography] Ossoinig K, et al.
Ber Dtsch Ophthalmol Ges 70:605-13, 1970 (Ger)

[Usefulness of low frequency ultrasonics for root canal preparations] Nossek H.
Dtsch Stomatol 21:369-73, May 71 (Ger)

[Ultrasonic tomography performed on child's abdomen] Hünig R.
Helv Paediatr Acta Suppl 24:3-22, 1970 (Ger)

[Degradation of high polymers by ultrasound] Ebert KH Müller M, et al.
Naturwissenschaften 57:671, Dec 70 (Ger)

[Effect of biophysical factors on the redox processes and biological oxidation. Changes in the succinate dehydrogenase activity after the application of ultrasound] Belewa-Staikowa R, et al.
Radiobiol Radiother (Berl) 11:729-35, 1970 (Ger)

[Accuracy of ultrasonics in comparison of pelvic radiography] Loch EG, et al.
Strahlentherapie 139:459-61, Apr 70 (Ger)

[Use of ultrasonics in irradiation planning] Weyrauch U, et al. Strahlentherapie 139:544-7, May 70 (Ger)

[1st animal experimental experiences with anti-influenza immunoglobulin (human) therapy in influenza-A2-Hong Kong-68-infections using ultrasonic aerosols] Konstantinow-Siebelist I, et al.
Z Erkr Atmungsorgane 131:219-30, 1970 (Ger)

[The effect of ultrasound on the fetal heart rate and on intrauterine pressure] Johannigmann J, et al.
Z Geburtshilfe Gynaekol 174:14-21, 1971 (Ger)

[Analysis of cardiac action with ultrasound Doppler technic] Seipel L, et al.
Z Kreislaufforsch 58:1291-7, Dec 69 (Ger)

[Possibilities and results of ultrasonic diagnosis in obstetrics] Macheleidt R, et al.
Zentralbl Gynaekol 93:81-5, 16 Jan 71 (Ger)

[Clinical experiences with the ultrasonic movement detector Doptone] Resch B, et al.
Zentralbl Gynaekol 93:86-92, 16 Jan 71 (Ger)

[Presentation of a nomogram for evaluation of intrauterine fetal growth] Zacutti A, et al.
Attual Ostet Ginecol 15:97-107, Mar-Apr 69 (Ita)

[Action of ultrasonics on the early electric potentials ("early receptor potentials") of the isolated frog eye] Talone F.
Boll Soc Ital Biol Sper 45:961-4, 31 Jul 69 (Ita)

[Ultrasonics in the study of fetal cardiac activity and in localization of the placenta. (Statistical contribution)] Someda de Marco I, et al.
Minerva Ginecol 23:1071-4, 15 Nov 70 (Ita)

[Ultrasonic diagnosis of vesicular mole] Zacutti A, et al.
Minerva Ginecol 22:1012-9, 31 Oct 70 (Ita)

[A new method of placental localization: ultrasonic placentography] Zacutti A, et al.
Minerva Ginecol 22:286-97, 15 Mar 70 (Ita)

[Determination of the degree of fetal maturity by ultrasonic cephalometry] Zacutti A, et al.
Minerva Ginecol 22:317-20, 15 Mar 70 (Ita)

[Experimental research on ultrasonic hypophysectomy: observations with the fluorescence microscope] Russolo M, et al.
Valsalva 46:8-34, Feb 70 (Ita)

[Disinfecting effect of ultrasonic hand-washer] Watanabe K, et al.
Bull Natl Inst Hyg Sci (Tokyo) 88:114-6, 1970 (Jap)

[Effect of intense ultrasound to the myocardium--with special references to experimental ultrasound-necrosis and a modification to the healing process of myocardial infarctions] Yamanaka Y.
J Jap Soc Intern Med 60:528-38, 10 Jun 71 (Jap)

[Prevention of blood coagulation in the mechanical heart application of ultrasonics] Kono R, et al.
Jap J Thorac Surg 24:355-8, May 71 (Jap)

[Ultrasonic diagnosis of heart diseases] Nimura Y, et al.
Naika 28:215-22, 1971 (Jap)

[Evaluation of preoperative hand cleaning with special reference to the effect of the ultrasonic hand scrubbing equipment] Yoshiyama T.
Shujutsu 25:236-47, Feb 71 (Jap)

[Ultrasonic measurements of blood pressure in arteriosclerosis obliterans] Myhre HO.
Nord Med 85:606-9, 13 May 71 (Nor)

[Effect of ultrasounds on serum gamma globulin in man] Kujawa H, et al.
Pol Tyg Lek 25:1497-500, 5 Oct 70 (Pol)

[Action of ultrasonics on pyocyanic bacilli] Ausländer D, et al.
Microbiol Parazitol Epidemiol (Bucur) 16:241-5, May-Jun 71 (Rum)

[Results and prospects of the use of the ultrasound diagnostic method in obstetrical practice] Syrovatko FA, et al. Akush Ginekol (Sofiia) 8:276-81, 1969 (Rus)

[Effect of biophysical factors on oxidative-reductive processes and biological oxidation. Action of ultrasound on the ascorbic and dehydroascorbic acid system] Beleva-Stafkova R.
Biofizika 15:738-40, Jul-Aug 70 (Rus)

[Study of the formation of complexes of nucleic acids with polyanions using ultrasonic waves] Braginskaia FI, et al. Biofizika 15:274-7, Mar-Apr 70 (Rus)

[Effect of cations and excess static pressure on the destruction of cells and cell organelles induced by ultrasonic waves] Bronskaia LM, et al.
Biofizika 15:743-5, Jul-Aug 70 (Rus)

[Effect of ultrasound on the formation of individual and mixed monolayers of lipovitellin and tobacco mosaic virus] El'piner IE, et al.
Biofizika 16:44-51, Jan-Feb 71 (Rus)

[Effect of ultrasonic waves on ATPase of plasma membranes] El'piner IE, et al.
Biofizika 15:853-6, Sep-Oct 70 (Rus)

[Non-cavitational ultrasound and its biological effect] El'piner IE.
Biofizika 15:333-43, Mar-Apr 70 (33 ref.) (Rus)

[Absorption of ultrasonic waves by protein solutions] El'piner IE, et al. Biofizika 15:585-8, Jul-Aug 70 (Rus)

[Propagation velocity of ultrasonic waves in aqueous solutions of nucleic acids (state of water near macromolecules)] El'piner IE, et al.
Biofizika 15:396-9, May-Jun 70 (Rus)

[Effect of ultrasound on Ehrlich ascitic carcinoma cells] Mitiushin VM, et al.
Biofizika 14:502-5, May-Jun 69 (Rus)

[Propagation of ultrasonic waves in aqueous solutions of peptides] Sadykhova SKh, et al.
Biofizika 14:557-9, May-Jun 69 (Rus)

[Local effect of coinciding ultrasonic or weak stress waves on living brain neurons] Tsukerman VA.
Biofizika 14:390-3, Mar-Apr 69 (Rus)

[Effect of ultrasound on the nucleic acid content of albino rat organs] Chirkin AA, et al.
Biull Eksp Biol Med 71:58-61, Apr 71 (Rus)

[Possibility of local action of focused ultrasound through areas of animal and human skulls] Inin IuS, et al. Biull Eksp Biol Med 71:120-2, Apr 71 (Rus)

[Telemetric ultrasound measurement of blood circulation] Matsievskiĭ DD.
Biull Eksp Biol Med 70:119-21, Sep 70 (Rus)

[Effect of low frequency ultrasonics on electrophoretic properties and heat sensitivity of human serum proteins] Nikolov SKh.
Biull Eksp Biol Med 68:58-60, Sep 69 (Rus)

[Ultrasonic method of studying regional blood flow] Saakov BA, et al.
Biull Eksp Biol Med 71:116-9, May 71 (Rus)

[Effect of high-frequency electromagnetic fields and ultrasound on the amino acid content of rabbit internal organs] Vibe KG, et al.
Biull Eksp Biol Med 70:47-8, Oct 70 (Rus)

[Ultrasound attenuation in muscle protein solutions] El'piner IE, et al.
Dokl Akad Nauk SSSR 189:424-7, 11 Nov 69 (Rus)

[Effect of denaturating agents on the absorption coefficient of ultrasonic waves by protein solutions] El'piner IE, et al.
Dokl Akad Nauk SSSR 192:1160-3, 1970 (Rus)

[Ultrasonic extraction of a structural protein possessing Mg-ATPase activity from the leaf cushions of Mimosa pudica] Liubimova MN, et al.
Dokl Akad Nauk SSSR 185:206-9, Mar-Apr 69 (Rus)

[The relationship between the electrical reaction of the cochlea to sonic and ultrasonic stimuli by air and bone conduction] Sagalovich BM, et al.
Fiziol Zh SSSR 56:1118-24, Aug 70 (Rus)

[Electric reactions of the acoustic nerve and cochlear nuclei of bats during changes in the angle of stimulus presentation] Stosman IM, et al.
Fiziol Zh SSSR 57:525-31, Apr 71 (Rus)

[Influence of biophysical factors upon the oxidation-reduction processes and biologic oxidation. 10. ACTH level in serum after application of ultrasonics] Beleva-Smaĭkova R, et al.
Folia Med (Plovdiv) 12:21-4, 1970 (Rus)

[Effect of ultrasound and noise on the cardiovascular system of workers attending powerful acoustic installations] Iazburskis BI.
Gig Sanit 36:105-7, 1971 (Rus)

[Hygienic assessment of hen's eggs treated with low-frequency ultrasound] Nikolov SKh.
Gig Sanit 35:38-41, Aug 70 (Rus)

[Effect of some mutagenic factors on the formation of pigments by actinomycetes of the red-orange group] Krasil'nikov NA, et al.
Mikrobiologiia 38:604-8, Jul-Aug 69 (Rus)

[Effect of ultrasound on gas metabolism in yeasts during different preliminary conditions of cultivation] Tokhver VI, et al.
Mikrobiologiia 38:821-4, Sep-Oct 69 (Rus)

[The effect of ultrasound on the process of nerve excitation] Lonskiĭ AV, et al.
Nerv Sist 10:157-62, 1969 (Rus)

[The effect of ultrasound on the electron microscopic picture of a frog nerve] Makarov PO, et al.
Nerv Sist 9:127-32, 1968 (Rus)

[Characteristics of the evoked potentials and reactions of posterior colliculus neurons upon paired ultrasonic stimulation in bats] Vasil'ev AG.
Nerv Sist 10:124-32, 1969 (Rus)

[Acoustic parameters of the human eye] Chevnenko AA, et al. Nov Med Priborostr 1:34-6, 1969 (Rus)

[Piezoceramic emitter in an echolocator for the blind] Zhavoronkov LM, et al.
Nov Med Priborostr 2:69-73, 1969 (Rus)

[Measurement of the lag time of an ultrasonic echo signal] Zhavoronkov LM, et al.
Nov Med Priborostr 3:98-103, 1970 (Rus)

[Phonophoresis of hydrocortisone through the cornea] Zobina LV, et al. Oftalmol Zh 25:502-6, 1970 (Rus)

[Changes in the electrocardiogram and respiratory rhythm of rats with transplanted brain tumors undergoing application of ultrasound to the brain] Grinshpun SM, et al.
Patol Fiziol Eksp Ter 14:29-32, Nov-Dec 70 (Rus)

[Experience in the treatment of hidradenitis with biomycin phonophoresis] Iudkevich PA.
Vestn Dermatol Venerol 44:75-7, Jul 70 (Rus)

[Ultrasonic resection of bones and soft tissues in reconstructive surgery] Poliakov VA, et al.
Vestn Khir 106:71-4, Apr 71 (Rus)

[Phacoemulsification (experimental study)] Shmeleva VV, et al. Vestn Oftalmol 1:25-30, Jan-Feb 70 (Rus)

[17-oxycorticosteroids in levels in blood and skin of rabbits after hydrocortisone phonophoresis] Popov ND, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:295-7, Jul-Aug 70 (Rus)

[Phonophoresis of hydrocortisone] Safiulina SN, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 35:293-5, Jul-Aug 70 (Rus)

[Reaction of the organism under the complex effects of physio-balneofactors in experimental conditions] Vereshchagina EN.
Vopr Kurortol Fizioter Lech Fiz Kult 35:303-6, Jul-Aug 70 (Rus)

[Hygienic evaluation of milk treated with ultrasound] Nikolov SKh. Vopr Pitan 29:46-50, Jul-Aug 70 (Rus)

[Effect of ultrasonics on the immunological activity of tissue of the palatine tonsils] Feĭgin NP, et al.
Zh Ushn Nos Gorl Bolezn 30:94-9, Mar-Apr 70 (Rus)

[Tissue response to simultaneously given ultrasonics and ionizing radiation] Spring E.
Nord Med 85:940, 5 Aug 71 (Swe)

[Changes in the absorption ability of pleura under effect of high-frequency electromagnetic oscillations] Faĭtel'berg-Blank VR, et al.
Fiziol Zh 16:379-84, May-Jun 70 (Ukr)

[Tachyoscillogram during the effect of ultrasound on the kidney area] Lazaretnik ASh, et al.
Fiziol Zh 17:250-3, Mar-Apr 71 (Ukr)

ADVERSE EFFECTS

Effect of diagnostic and therapeutic intensities of ultrasonics on normal and malignant human cells in vitro. Loch EG, et al.
Am J Obstet Gynecol 110:457-60, 15 Jun 71

Approaches to determining foetal hazard from ultrasound. Donald I. Br J Radiol 44:563, Jul 71

Biophysical basis for possible ultrasonic hazards. Hill CR. Br J Radiol 44:563, Jul 71

Experimental ultrasonic damage of relevance to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ultrasonography. Taylor KJ, et al.
Br J Radiol 44:563, Jul 71
How safe is diagnostic sonar? Woodward B, et al.
Br J Radiol 43:719-25, Oct 70
Chromosome breakage and ultrasound. Boyd E, et al.
Br Med J 2:501-2, 29 May 71
Ultrasonic visualization of ultrasonically produced lesions in brain. Fry FJ. Confin Neurol 32:38-52, 1970
Threshold ultrasonic dosages for structural changes in the mammalian brain. Fry FJ, et al.
J Acoust Soc Am 48:Suppl 2:1413+, Dec 70
[Possibility of injury from ultrasonic diagnosis?] Kratochwil A. Gynaekol Rundsch 9:240-2, 1970 (Ger)
[Effects of diagnostic ultrasound dosage on biochemical parameters] Eitel L, et al.
Z Geburtshilfe Gynaekol 173:116-20, Aug 70 (Ger)
[The effects of ultrasonic waves on the fetus] Mannor SM, et al. Harefuah 79:63-4, 15 Jul 70 (Heb)
[Effect of ultrasounds on the lungs of guinea pigs in the light of histological and histochemical studies] Majewski C, et al. Pol Tyg Lek 25:1500-2, 5 Oct 70 (Pol)
[Combined action of industrial ultrasound and ethanol on the nervous system of albino rats] Shipacheva AD.
Gig Sanit 35:27-30, Oct 70 (Rus)

DIAGNOSTIC USE

Visualization of the umbilical cord in utero by ultrasonic tomography. A combination of doppler and tomographic techniques. Takemura H, et al.
Acta Obstet Gynaecol Jap 17:274-5, Oct 70
Placentography by ultrasound. Sundén B.
Acta Obstet Gynecol Scand 49:179-84, 1970
Ultrasoundcardiography in infants and children. Lundström NR, et al.
Acta Paediatr Scand 60:117-28, Mar 71
Ultrasoundcardiography in infancy and childhood. Lundström NR. Acta Paediatr Scand 60:108, Jan 71
Echocardiographic diagnosis of pericardial effusion. Feigenbaum H. Am J Cardiol 26:475-9, Nov 70
Ultrasound measurements of ventricular wall motion following administration of vasoactive drugs. Kraunz RF, et al. Am J Cardiol 27:464-73, May 71
Comparison of stroke volume and cardiac output determination by ultrasound and dye dilution in acute myocardial infarction. Pombo JF, et al.
Am J Cardiol 27:630-5, Jun 71
The ultrasonic scan in the management of amebic hepatic abscess. Monroe LS, et al.
Am J Dig Dis 16:523-8, Jun 71
The ultrasonic diagnosis of intrauterine fetal death. Gottenfeld KR.
Am J Obstet Gynecol 108:623-34, 15 Oct 70
Problems in ultrasonographic diagnosis of retinal disease. Baum G. Am J Ophthalmol 71:723-39, Mar 71
A protocol for B-scan and radiographic foreign body localization. Coleman DJ, et al.
Am J Ophthalmol 71:84-9, Jan 71
Pitfalls in the ultrasonic diagnosis of pericardial effusion. Casarella WJ, et al.
Am J Roentgenol Radium Ther Nucl Med 110:760-7, Dec 70
The application of B-scan ultrasound in the planning of radiation therapy treatment ports. Cohen WN, et al.
Am J Roentgenol Radium Ther Nucl Med 111:184-8, Jan 71
Value of the ultrasonic flow detector in the management of peripheral vascular disease. Lavenson GS Jr, et al. Am J Surg 120:522-6, Oct 70
Air embolism. A comparison of various methods of detection. Edmonds-Seal J, et al.
Anaesthesia 26:202-8, Apr 71
A doppler flowmeter for detecting air and other emboli, incorporating a simple method of screening against interference. Carden E, et al.
Anesthesiology 33:551-2, Nov 70
Determination of blood pressure in low-flow states by the Doppler technique. Waltemath CL, et al.
Anesthesiology 34:77-9, Jan 71
Ultrasound as an aid in the diagnosis and management of intermittent claudication. Mackereth M, et al.
Angiology 21:704-13, Dec 70
Hydatidiform mole with a co-existent fetus diagnosed in advance by ultrasound. Jouppila P, et al.
Ann Chir Gynaecol Fenn 60:89-91, 1971
The efficiency of Doppler-technique in the first trimester of pregnancy. Resch B, et al.
Ann Chir Gynaecol Fenn 60:85-8, 1971
On the use of ultrasonic diagnosis in ophthalmology and medicine. Oksala A.
Ann Clin Res 3:5-8, Feb 71 (14 ref.)
Diagnosis of hypertrophic subaortic stenosis with a Doppler velocity flow detector. Joyner CR, et al.
Ann Intern Med 74:692-6, May 71
Systolic blood pressure measurement in newborn with transcutaneous Doppler. Kirkland R.
Arch Dis Child 46:399, Jun 71
Medical Sonar. Arch Intern Med 126:573, Oct 70
Evaluation of ultrasound echography in studies of peripheral vessels. Lota MJ, et al.
Arch Phys Med Rehabil 52:1-7, Jan 71
Noninvasive measurement of peripheral arterial flow. Impedance cardiograph and ultrasonic Doppler flowmeter. Couch NP, et al.
Arch Surg 102:435-9, May 71
Echography in the diagnosis of abdominal aortic aneurysm. Nusbaum JW, et al.
Arch Surg 102:365-8, Apr 71
Ultrasonic doppler methods in blood flow studies. Trotman RE. Biomed Eng 5:453-4, Sep 70
The present status of medical ultrasonic diagnostics. Wells PN. Biomed Eng 5:378-85, Aug 70 (60 ref.)
Measurement of left ventricular volumes in man by echocardiography--comparison with biplane angiographs. Gibson DG. Br Heart J 33:614, Jul 71
Blood velocity measurements in aortic regurgitation using heated thin film and ultrasonic techniques. Pedoe DS. Br Heart J 33:611, Jul 71
Echocardiography of the mitral valve in aortic valve disease. Pridie RB, et al. Br Heart J 33:296-304, Mar 71
Analysis of dynamics of mitral Starr-Edwards valve prosthesis using reflected ultrasound. Siggers DC, et al. Br Heart J 33:401-8, May 71
The use of diagnostic ultrasound in the investigation of the urinary tract. Barnett E, et al.
Br J Radiol 44:562, Jul 71
Ultrasound observation of renal lesions and the prostate gland. Christie AD, et al.
Br J Radiol 44:562, Jul 71
Pitfalls in ultrasonic scanning. Hall AJ, et al.
Br J Radiol 44:562, Jul 71
Ultrasonic scanning in the diagnosis of space-occupying lesions of the upper abdomen. Holm HH.
Br J Radiol 44:24-36, Jan 71
The use of ultrasound in the diagnosis of pelvic masses. Morley P, et al. Br J Radiol 43:802-16, Sep 70
Applications of pulse-echo ultrasonics in cardiological diagnosis. Pridie RB. Br J Radiol 44:561, Jul 71
Mitral valve studies by ultrasound. Ross FG.
Br J Radiol 44:561, Jul 71
Transcutaneous ultrasonics as an alternative to arteriography. Woodcock JP, et al.
Br J Radiol 44:562, Jul 71
How safe is diagnostic sonar? Woodward B, et al.
Br J Radiol 43:719-25, Oct 70
The early diagnosis of deep-vein thrombosis by ultrasound. Evans DS. Br J Surg 57:726-8, Oct 70
Ultrasonics in cardiac diagnosis.
Br Med J 2:603-4, 12 Jun 71
Echocardiographic diagnosis of left atrial myxoma. Kostis JB, et al. Chest 58:550-2, Nov 70
Echocardiographic recognition of mitral-semilunar valve discontinuity. An aid to the diagnosis of origin of both great vessels from the right ventricle. Chesler E, et al. Circulation 43:725-32, May 71
Echocardiographic features of atrial septal defect. Diamond MA, et al. Circulation 43:129-35, Jan 71
Use of echocardiography in patients with prolapsed mitral valve. Dillon JC, et al.
Circulation 43:503-7, Apr 71
Ultrasonic measurement of left ventricular wall motion in acute myocardial infarction. Inoue K, et al.
Circulation 43:778-85, Jun 71
Left ventricular volumes and ejection fraction by echocardiography. Pombo JF, et al.
Circulation 43:480-90, Apr 71
Ultrasonic diagnosis in pelvic malignancy. Kratochwil A. Clin Obstet Gynecol 13:898-909, Dec 70
Left ventricular wall movement measured by reflected ultrasound. Wharton CF, et al. Clin Sci 40:24P, Jun 71
Ultrasonic visualization of ultrasonically produced lesions in brain. Fry FJ. Confin Neurol 32:38-52, 1970
Ultrasound as an aid in the diagnosis and treatment of intermittent claudication. Lennihan R Jr, et al.
Del Med J 43:157-9, Jun 71
An ultrasound moving target indicator system for diagnostic use. Barnes RW, et al.
IEEE Trans Biomed Eng 18:4-8, Jan 71
Ultrasonics in orbital diagnosis: B-mode. Baum G.
Int Ophthalmol Clin 9:585-611, Fall 69
Foreign body management. Bronson NR 2d.
Int Ophthalmol Clin 9:685-707, Fall 69
Ultrasonic examination in keratoplasty. Bronson NR 2d. Int Ophthalmol Clin 10:253-60, Summer 70
Reproducible calibrations: the basis of ultrasonic differential diagnosis in A-mode and B-mode examination of eye and orbit. Buschmann WH.
Int Ophthalmol Clin 9:761-92, Fall 69
Diagnostic time-amplitude ultrasonography of the posterior segment. Gitter KA.
Int Ophthalmol Clin 9:573-84, Fall 69
A-mode diagnosis of intraocular diseases. Oksala A.
Int Ophthalmol Clin 9:543-72, Fall 69
Routine ultrasonography of the orbit. Ossoinig K.
Int Ophthalmol Clin 9:613-42, Fall 69
B-mode orbital ultrasonography. Purnell EW.
Int Ophthalmol Clin 9:643-65, Fall 69
Ultrasonography in ophthalmology. Conclusions and practical applications. Wainstock MA.
Int Ophthalmol Clin 9:745-58, Fall 69
Motion of mitral valves in cardiac arrythmias: ultrasonic cardiographic study. Gabor GE, et al.
Invest Radiol 5:355-60, Sep-Oct 70
Precision arteriography with ultrasonic timing. Hipona FA, et al. Invest Radiol 6:65-9, Jan-Feb 71
Diagnostic application of ultrasonotomography to the prostate. Watanabe H, et al.
Invest Urol 8:548-59, Mar 71
Aids in ultrasonic diagnosis. Baum G.
J Acoust Soc Am 48:Suppl 2:1407+, Dec 70
Diagnostic ultrasound in clinical thyroid investigation. Thijs LG. J Clin Endocrinol Metab 32:709-16, Jun 71
Indirect measurement of blood pressure in infants utilizing Doppler ultrasound. McLaughlin GW, et al.
J Pediatr 79:300-3, Aug 71
Doppler blood pressure measurement in infants and small children. Janis KM, et al.
J Pediatr Surg 6:70-2, Feb 71
Advances in the diagnosis of anal and rectal atresia by ultrasonic-echo examination. Willital GH.
J Pediatr Surg 6:454-7, Aug 71
Direction-resolving Doppler instrument with improved rejection of tissue artifacts for transcutaneous aortoveliography. Cross G, et al.
J Physiol (Lond) 217:5P-7P, Aug 71
Preoperative and postoperative evaluation of the cannulation site in patients undergoing open-heart surgery. The use of the Doppler ultrasonic flowmeter. Elkadi A, et al.
J Thorac Cardiovasc Surg 61:739-45, May 71
Left atrial myxoma. Diagnosis and excision. Trinkle JK, et al. J Thorac Cardiovasc Surg 61:765-7, May 71
Differentiation of renal masses using A-mode ultrasound. Goldberg BB, et al.
J Urol 105:765-71, Jun 71
Nephrosonography: a new diagnostic tool. Rosenberg J, et al. J Urol 106:127-32, Jul 71
Suprasternal ultrasonography. Goldberg BB.
JAMA 215:245-50, 11 Jan 71
Multiple and simultaneous blood flow measurements by the ultrasonic doppler technique in man, with special reference to the circulatory effects of induced hypertension on internal and external carotid arteries and brachial artery. Miyazaki M.
Jap Circ J 35:405-12, Apr 71
Grading dynamic capability of arterial collateral circulation. FitzGerald DE, et al.
Lancet 1:86-7, 9 Jan 71
Failure to diagnose placenta praevia by ultrasound. Karimi R. Lancet 1:1242-3, 12 Jun 71
Diagnosis of abruptio placentae by ultrasound. Lundberg J. Lancet 1:806, 17 Apr 71
Postoperative deep venous thrombosis. A comparison of diagnostic techniques. Milne RM, et al.
Lancet 2:445-7, 28 Aug 71
Use of Doppler ultrasonic flowmeter for angiography. Kobayashi S, et al. Mayo Clin Proc 45:720-3, Oct 70
A range-gated ultrasonic Doppler system. Wells PN.
Med Biol Eng 7:641-52, Nov 69
The directivities of some ultrasonic Doppler probes. Wells PN. Med Biol Eng 8:241-56, May 70
Ultrasonic visualization of the breast. Jellins J, et al.
Med J Aust 1:305-7, 6 Feb 71
Ultrasonic visualization of the placenta. Robinson DE, et al. Med J Aust 2:1062-4, 5 Dec 70
Use of an ultrasonic flowmeter (Doppler) in diagnosis and treatment of a brachial artery occlusion. Case report. Lichti EL, et al.
Minerva Pediatr 67:738-9, Oct 70
Cardiac massage efficacy monitored by Doppler ultrasonic flowmeter. A preliminary report. Lichti EL, et al. Mo Med 68:317-20, May 71
Echocardiographic patterns in patients with the syndrome of systolic click and late systolic murmur. Kerber RE, et al. N Engl J Med 284:691-3, 1 Apr 71
Clinical application of the ultrasonic attenuation to the brain. A comparison with the right and left hemisphere by the midline echo. Wakabayashi S, et al.
Nagoya Med J 16:271-7, Mar 71
Predicting fetal weight by ultrasonic B-scan cephalometry. An improved technic with disappointing results. Ianniruberto A, et al.
Obstet Gynecol 37:689-94, May 71
Ultrasonic determination of fetal maturity at repeat cesarean section. Lee BO, et al.
Obstet Gynecol 38:294-7, Aug 71
Placental localization without ionizing radiation. Nola V, et al. Obstet Gynecol 38:25-8, Jul 71
Echography: an advance in the diagnosis of abdominal aortic aneurysm. Thomford NR.
Ohio State Med J 67:317-8, Apr 71
The Doppler as an aid in predicting the behavior of congenital cutaneous hemangioma. Bingham HG, et al.
Plast Reconstr Surg 47:580-3, Jun 71
Measurement of thickness of left ventricle posterior wall by means of ultrasounds. Ilmurzyńska K, et al.
Pol Med J 8:806-15, 1969
Ultrasonography in obstetrical diagnostics. Roszkowski I, et al. Pol Med J 9:1298-307, 1970
Deep-seated mischief. Physics methods. Fowler JF.
Proc R Soc Med 63:1291-2, Dec 70
Thrombosed hepatic artery aneurysm. Report of a case demonstrated echographically. Filly RA, et al.
Radiology 97:629-30, Dec 70
Diagnostic ultrasound in the detection of molar pregnancy. Leopold GR. Radiology 98:171-6, Jan 71
Deleterious effects of gastrointestinal contrast material on abdominal echography. Leopold GR, et al.
Radiology 98:637-40, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ultrasound used for measuring subcutaneous fat. Straková M, et al. Rev Czech Med 17:66-73, 1971
Diagnosis and localization of acute vascular injury by ultrasonic Doppler. Henzel JH, et al. South Med J 64:882-8, Jul 71
Blood pressure measurement by Doppler ultrasonic detection of arterial wall motion. Kemmerer WT, et al. Surg Gynecol Obstet 131:1141-7, Dec 70
Ultrasonic studies for the early detection of acute cardiac rejection. Popp RL, et al. Transplantation 11:543-50, Jun 71
Detection of circulating bubbles in the intact mammal. Evans A, et al. Ultrasonics 8:216-7, Oct 70
A positionally-incremented timebase display for ultrasonic pictures. Hall AJ. Ultrasonics 8:211-2, Oct 70
Identification of ultrasonic scanning pictures of the abdomen. Holm HH, et al. Ultrasonics 9:49-53, Jan 71
The comprehensive use of doppler ultra-sound in farm animal reproduction. Fraser AF, et al. Vet Rec 88:202-5, 20 Feb 71
[Use of ultrasound in the determination of subcutaneous fat] Straková M, et al. Cas Lek Cesk 109:1125-9, Nov 70 (Cze)
[Ultrasound diagnostics in medicine] Preisová J. Cesk Oftalmol 26:264-71, Sep 70 (Cze)
[Echocardiography in mitral stenosis] Lukáš L, et al. Vnitr Lek 17:345-51, Apr 71 (Cze)
[Echodiagnosis. Application in obstetrics and gynecology] Hameeteman TM. Ned Tijdschr Geneeskd 115:920-3, May 71 (Dut)
[Echodiagnosis. Application in cardiology] Smit JW. Ned Tijdschr Geneeskd 115:839-41, 8 May 71 (Dut)
[Echodiagnosis. Technical aspects] Somer JC. Ned Tijdschr Geneeskd 115:1347-50, 7 Aug 71 (Dut)
[Echodiagnosis. Application in ophthalmology] Thijssen JM, et al. Ned Tijdschr Geneeskd 115:1117-9, 26 Jun 71 (Dut)
[Ultrasound examination of liver metastasis] Jääskeläinen J, et al. Duodecim 86:1077-81, 1970 (Fin)
[Experiences of the use of ultrasound in the diagnosis of early pregnancy] Jouppila P, et al. Duodecim 86:1050-7, 1970 (Fin)
[Ultrasound diagnostics in obstetrics and gynaecology] Kratochwil A. Duodecim 86:1040-9, 1970 (Fin)
[Ultrasound diagnostics in eye diseases as a subject of research] (Oksala A), Oksala A. Duodecim 86:1324-8, 1970 (Fin)
[Ultrasound diagnostics in medicine] Oksala A. Duodecim 86:1003-5, 1970 (Fin)
[Fetal cephalometry by ultrasound] Piiroinen O, et al. Duodecim 86:1063-9, 1970 (Fin)
[Experiences of the use of ultrasound in the diagnosis of late pregnancy] Pystynen P, et al. Duodecim 86:1058-62, 1970 (Fin)
[Ultrasound in the diagnosis of abdominal tumours] Tähti E, et al. Duodecim 86:1070-6, 1970 (Fin)
[Ultrasound diagnostics in neurology] Vlieger M de. Duodecim 86:1015-23, 1970 (Fin)
[Ultrasonic nephrography] Levi S, et al. Acta Urol Belg 38:373-413, 1970 (Fre)
[Contribution of ultrasonics to the diagnosis of thyroid diseases] Robert J, et al. Ann Endocrinol (Paris) 32:114-23, Jan-Feb 71 (Fre)
[Mechanographic and ultrasonic study of mitral prostheses] Pernod J, et al. Ann Med Interne (Paris) 122:169-74, Feb 71 (Fre)
[Contribution of echography-A in the differential diagnosis of the causes of choroidal rising] Psilas K, et al. Ann Ocul (Paris) 203:801-9, Sep 70 (Fre)
[Current status of methods of utilization of ultrasonics and their diagnostic value in internal medicine] Lefebvre J, et al. Ann Radiol (Paris) 13:619-36, 1970 (Fre)
[Echography in retinal detachment] Bregeat P, et al. Annee Ther Clin Ophtalmol 20:93-102, 1969 (Fre)
[Differential diagnosis of solid and liquid tumors of the liver by ultrasonic B echotomography] Charbonnier A, et al. Arch Fr Mal App Dig 60:151-2, Mar 71 (Fre)
[Tomoechographic diagnosis of gallbladder dilatations] Weill F, et al. Arch Fr Mal App Dig 60:49-54, Jan-Feb 71 (Fre)
[Physiological variations of the venous return registered by transcutaneous route at the level of the internal jugular vein extra-respiratory variation] Kalmanson D, et al. Arch Mal Coeur 62:1386-403, Oct 69 (Fre)
[Echography by ultrasonics in cardiac pathology (experience of 1 year's use)] Pernod J, et al. Arch Mal Coeur 62:1370-85, Oct 69 (Fre)
[Echocardiography. Use and contribution to mitral cardiopathies] Tricot R, et al. Arch Mal Coeur 62:1353-69, Oct 69 (Fre)
[Ultrasonography in the diagnosis of intra-ocular foreign bodies] Clay C, et al. Arch Ophtalmol (Paris) 30:619-34, Aug-Sep 70 (Fre)
[Orbital echo-tomography] Hamard H, et al. Arch Ophtalmol (Paris) 31:137-44, Feb 71 (Fre)
[Diagnosis of hydatiform mole by the technic of ultrasonic echography] Boog G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:255-6, Apr-May 70 (Fre)
[Registration of instantaneous fetal heart rate using the ultrasonic Doppler effect. Problems and preliminary results] Hardy JC, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:454-6, 1968 (Fre)
[Contribution of ultrasonics to diagnosis in obstetrics and gynecology] Levi S. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:456-8, 1968 (Fre)
[Evaluation of examinations with ultrasonics in the Universitary Gynecology and Obstetrics Polyclinic of Geneva] Rezacova Z, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:288-9, Jun-Aug 70 (Fre)
[Comparative study of placental localization by scintigraphy and acoustic method (ultrasonics)] Sudan JP, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:304-5, Jun-Aug 70 (Fre)
[Ultrasonics: diagnosis of fetal life during the 1st months of pregnancy] Thoulon JM. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:458-60, 1968 (Fre)
[Comparison between thermographic and tomoechographic B methods in the localization of the placenta] Weill F, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:333-7, Jun-Aug 70 (Fre)
[Basic values in clinical oculometry] Gernet H. Bull Mem Soc Fr Ophtalmol 83:379-83, 1970 (Fre)
[Ultrasonic examination of the vitreous body] Massin M, et al. Bull Mem Soc Fr Ophtalmol 81:63-73, 1968 (Fre)
[Diagnosis by echography A of histologically verified unilateral exophthalmia] Psilas K, et al. Bull Mem Soc Fr Ophtalmol 83:434-9, 1970 (Fre)
[Unilateral echography A and exophthalmos] François J, et al. Bull Soc Belge Ophtalmol 155:475-86, Jun 70 (Fre)
[Ultrasonics in the diagnosis of eye diseases. Possibilities and limitations of the examinations] François J, et al. Bull Soc Belge Ophtalmol 150:600-14, 1968 (Fre)
[Ultrasonography, routine method for examination of the orbit] Ossoinig K, et al. Bull Soc Ophtalmol Fr 69:1051-8, Dec 69 (Fre)
[Practical modalities and current possibilities of the diagnostic use of ultrasonics] Weill F, et al. Cah Med 12:115-28, 15 Feb 71 (Fre)
[Contribution of the echographic examination in a radiological unit] Gros C, et al. J Radiol Electrol Med Nucl 52:228-31, Mar-Apr 71 (Fre)
[X-ray diagnosis and tomoechography of an abdomino-pelvic tumor (comparative iconography)] Gros C, et al. J Radiol Electrol Med Nucl 52:231-3, Mar-Apr 71 (Fre)
[Mammary and thyroid echography] Gros C, et al. J Radiol Electrol Med Nucl 52:222-8, Mar-Apr 71 (Fre)
[Tomoechographic exploration of the liver] Weill F, et al. J Radiol Electrol Med Nucl 52:221, Mar-Apr 71 (Fre)
[Tomoechographic exploration of the bile ducts] Weill F, et al. J Radiol Electrol Med Nucl 52:220, Mar-Apr 71 (Fre)
[Place of echography, and particularly of tomoechography, in general radiology in 1971] Weill F, et al. J Radiol Electrol Med Nucl 52:129-43, Mar-Apr 71 (22 ref.) (Fre)
[EEG and Echo Median in traumatology in legal medicine] Fischgold H. Med Leg Domm Corpor (Paris) 3:18-21, Jan-Mar 70 (Fre)
[Results of orbital echography in 152 tumors] Valençak E, et al. Neurochirurgie 16:413-9, Sep-Oct 70 (Fre)
[Radiology without x-rays. Tomoechography and thermography in angiology] Weill F, et al. Praxis 59:915-23, 23 Jun 70 (Fre)
[Ultrasonic echocardiography in the assessment of indications and results of valve prostheses] Pernod J, et al. Presse Med 78:2189-91, 21 Nov 70 (Fre)
[A tomo-echographic sign of fetal death] Weill F, et al. Presse Med 79:53-3, 9 Jan 71 (Fre)
[Ultrasonic diagnosis of pelvic tumors] Boog G, et al. Rev Fr Gynecol Obstet 65:879-87, Dec 70 (Fre)
[Echoscopic and bechographic diagnosis of life, death and malformations of the fetus] Gillet JY, et al. Rev Fr Gynecol Obstet 65:889-95, Dec 70 (Fre)
[Ultrasonic vascular examination] Van de Berg L. Rev Med Liege 26:168-74, 1 Mar 71 (Fre)
[On the utility of ultrasonics in ophthalmology. (Ultrasonography or echography)] Psilas K, et al. Rev Med Suisse Romande 90:873-80, Nov 70 (Fre)
[Clinical results of a modified method for ultrasonic diagnosis in obstetrics] Hansmann H, et al. Arch Gynaekol 211:264-7, 4 Jun 71 (Ger)
[Ultrasonics in pregnancy counseling] Loch EG. Arch Gynaekol 211:268-9, 4 Jun 71 (Ger)
[Simultaneous continuous recording of the heart diameter and heart wall thickness in the closed thorax] Morgenstern C, et al. Biomed Tech (Stuttg) 16:58-61, Apr 71 (Ger)
[Ultrasonic scanner with increased image sequence in medical diagnosis] Soldner R, et al. Biomed Tech (Stuttg) 16:87-9, 3 Jun 71 (Ger)
[Localization of the placenta] Klink R, et al. Dtsch Med Wochenschr 96:1473-5, 10 Sep 71 (Ger)
[Angiographic diagnostics of echinococcosis of the liver] Steckenmesser R, et al. Dtsch Med Wochenschr 95:2288-91, 6 Nov 70 (Ger)
[Diagnosis of liver metastases. Comparison of echography, scintigraphy, laparoscopy and liver biopsy] Berndt H, et al. Dtsch Z Verdau Stoffwechselkr 30:139-44, 1970 (Ger)
[Ultrasonics sectional picture method in the diagnosis of abdominal diseases] Wewalka F, et al. Dtsch Z Verdau Stoffwechselkr 30:145-9, 1970 (Ger)
[Blood flow velocity measurement with the use of the Doppler effect] Fahrbach K. Elektromed Biomed Tech 14:233-46 contd, Nov 69 (Ger)
[Physics and technology of ultrasonic diagnosis] Hilz E. Elektromed Biomed Tech 14:215-21, Nov 69 (Ger)
[Methods and problems of ultrasonic diagnosis in obstetrics and gynecology] Kratochwil A. Elektromed Biomed Tech 14:222-7, Nov 69 (Ger)
[Performance and limits of ultrasonic echolaminography--a contribution on the diagnosis of diseases of the soft parts] Frommhold H, et al. Fortschr Geb Roentgenstr Nuklearmed 11:83-97, Jan 70 (Ger)
[Value of ultrasonic examination in the differential diagnosis of pregnancy in a uterus myomatosus and hydatidiform mole] Bregulla K, et al. Geburtshilfe Frauenheilkd 30:1116-20, Dec 70 (Ger)
[Differential diagnosis of chorionepithelioma or early pregnancy using ultrasonics] Dördelmann P. Geburtshilfe Frauenheilkd 29:55-7, Jan 69 (Ger)
[Obstetric diagnostics of anencephalus using ultrasound] Kratochwil A, et al. Geburtshilfe Frauenheilkd 31:564-7, Jun 71 (Ger)
[Placenta localization by use of the ultrasonic-Doppler effect and thermography] Martin K. Geburtshilfe Frauenheilkd 30:1101-10, Dec 70 (Ger)
[The significance of ultrasonic diagnosis in cataracts] Abel JO, et al. Klin Monatsbl Augenheilkd 159:27-33, Jul 71 (Ger)
[Is it possible to successfully operate cases of ablatio, despite dense clouding of the media, using echography?] Freyler H. Klin Monatsbl Augenheilkd 158:75-83, Jan 71 (Ger)
[Ultra-sound echography--an important auxiliary examination in the surgery of retinal detachment] Freyler H. Klin Monatsbl Augenheilkd 157:617-33, Nov 70 (Ger)
[Biophysical and methodical questions in ophthalmological ultrasound diagnosis] Oksala A. Klin Monatsbl Augenheilkd 156:465-78, 1970 (Ger)
[Ultrasonic diagnosis of orbital vascular processes] Ossoinig K. Klin Monatsbl Augenheilkd 158:526-33, Apr 71 (Ger)
[Traumatic posterior lenticonus] Petrys F. Klin Monatsbl Augenheilkd 159:87-9, Jul 71 (Ger)
[Ultrasonic diagnosis of retrobulbar hematomas] Till P. Klin Monatsbl Augenheilkd 158:723-7, May 71 (Ger)
[Possibilities and limits of qualitative vein diagnosis using Doppler-ultrasound (results of a blind study)] Grüntzig A, et al. Klin Wochenschr 49:245-51, 1 Mar 71 (Ger)
[Possibilities and limitations of placenta localization using thermography and ultrasonics] Kasper K, et al. Med Klin 66:674-8, 30 Apr 71 (Ger)
[Ultrasonic supervision in preventive obstetrics] Mosler KH, et al. Med Klin 65:1250-4, 26 Jun 70 (Ger)
[Diagnosis of twins by means of ultrasonic echolaminography] Rotte K. Med Klin 65:1297-300 contd, 3 Jul 70 (Ger)
[Modern ultrasonic diagnosis] Med Monatsschr 24:333-5, Aug 70 (Ger)
[Ultrasonic tomography of the upper abdomen] Engelhart GJ, et al. Med Welt 18:766-74, 1 May 71 (Ger)
[Comparison of intracardiac catheter findings, ultrasound cardiogram findings and intraoperatively obtained measurement results in patients with mitral stenosis] Schmitt W, et al. Munch Med Wochenschr 112:577-82, 27 Mar 70 (Ger)
[Ultrasonic diagnosis of retroperitoneal processes] Engelhart GJ. Schweiz Med Wochenschr 101:745-7, 22 May 71 (Ger)
[The use of ultrasound in radiotherapy] Kärcher KH. Strahlentherapie 141:666-8, Jun 71 (Ger)
[Use of the ultrasound-B-image technic in the planning of irradiation] Reisner K, et al. Strahlentherapie 140:639-46, Dec 70 (Ger)
[Echocardiographic studies on patients with surgically treated mitral valve stenosis] Heidel W, et al. Verh Dtsch Ges Kreislauforsch 32:174-9, 1966 (Ger)
[New evaluations of phonocardiographic phenomena by echocardiography] Kamm PJ. Verh Dtsch Ges Kreislauforsch 32:180-3, 1966 (Ger)
[Ultrasound diagnosis in urology] Kratochwil A, et al. Wien Klin Wochenschr 82:795-800, 30 Oct 70 (Ger)
[Possibilities of the use of ultrasonic diagnosis in obstetrics and gynecology] Holländer HJ. Wien Med Wochenschr 120:802-3, 5 Sep 70 (Ger)
[Placenta localization with ultrasonic apparatus, TYK II] Widmaier G, et al. Z Aerztl Fortbild (Jena) 64:1221-3, 1 Dec 70 (Ger)
[Intrauterine determination of biparietal skull diameter using the ultrasound diagnostic device GA 10, and direct registration of the echogramms]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Widmaier G, et al.
Z Geburtshilfe Gynaekol 175:97-104, Aug 71 (Ger)
[Left ventricular Doppler ultrasonics cardiogram]
Gleichmann U, et al.
Z Kreislaufforsch 60:452-60, May 71 (Ger)
[The ultrasonic nephrogram in the differential diagnosis of cysts and tumors] Wehnert J, et al.
Z Urol Nephrol 63:457-65, Jun 70 (Ger)
[Early detection of fetal heart sounds in the 1st pregnancy trimester] Tenhaeff D, et al.
Zentralbl Gynaekol 92:736-40, 6 Jun 70 (Ger)
[Possible genetic hazards of ultrasonic examination during pregnancy] Czeizel E, et al.
Orv Hetil 112:412-3, 14 Feb 71 (Hun)
[Detection of fetal heart function by ultrasonics] Faius M, et al. Orv Hetil 111:2539-43, 25 Oct 70 (Hun)
[Early detection of placenta praevia with ultrasonic reflection based on the Doppler principle] Resch B, et al. Orv Hetil 111:1643-5, 12 Jul 70 (Hun)
[Possibilities for the recording of embryonic heart function] Resch B, et al.
Orv Hetil 111:2838-40, 29 Nov 70 (Hun)
[The determination of fetal age by ultrasonics] Sobel M, et al. Orv Hetil 111:2595-7, 1 Nov 70 (Hun)
[The fetal echo-cardiogram] Kratochwil A, et al.
Ann Ostet Ginecol 91:491-6, Jul 69 (Ita)
[Ultrasonic diagnosis of hydatidiform mole]
Iannirubertо A.
Arch Ostet Ginecol 75:163-79, Mar-Apr 70 (Ita)
[Arterial and venous functional exploration by means of the Doppler effect] Garbini GC, et al.
Boll Soc Ital Cardiol 15:612-9, 1970 (Ita)
[Ultrasonic cardiography with Doppler modulation in patients with mitral valve prosthesis] Petralia S, et al.
Cardiol Prat 20:57-64, Feb 69 (Ita)
[Doppler ultrasonics in obstetric diagnosis] Andreoli C.
Minerva Ginecol 21:395-7, 15 Apr 69 (Ita)
[Various diagnostic uses of ultrasonics in obstetrics (Dopler phenomenon)] Roversi GD, et al.
Minerva Ginecol 21:666-71, 31 May 69 (Ita)
[Echography in pelvic tumors] Tetti A, et al.
Minerva Ginecol 21:420-5, 15 Apr 69 (Ita)
[Use of ultrasound in obstetrical diagnosis] Vincenti F, et al. Minerva Ginecol 21:1427-42, 15 Nov 69 (Ita)
[The use of ultrasonics in the diagnosis of pelvic swellings] Zacutti A, et al.
Minerva Ginecol 22:772-800, 31 Aug 70 (Ita)
[Clinical applications of ultrasonic fetal cephalometry] Zacutti A, et al.
Riv Ital Ginecol 53:423-46, Jun-Jul 69 (Ita)
[Effects of 17-alpha-hydroxy-19-norprogesterone acaproate (SH-582) on prostatic hypertrophy with special reference to estimation of size of the prostate by means of ultrasonotomography] Watanabe H, et al.
Acta Urol Jap 16:438-45, Sep 70 (Jap)
[Experience in ultrasonic diagnosis of orbital tumors] Nishii T, et al.
Brain Nerve (Tokyo) 22:1269-74, Nov 70 (Jap)
[Studies on an ultrasonic diagnosis in ophthalmology. 3. An ultra-sound technique for the vitreous body of healthy and affected eyes] Tane S, et al.
Folia Ophthalmol Jap 22:79-85, Feb 71 (Jap)
[Diagnosis of placental presentation by ultrasonic tomography] Kumakiri Y, et al.
J Jap Obstet Gynecol Soc 23:105-10, Feb 71 (Jap)
[Transvaginal detection of fetal heart rate by the ultrasonic Doppler method during early pregnancy] Takei T.
J Jap Obstet Gynecol Soc 23:131-2, Feb 71 (Jap)
[Diagnosis of neonatal atelectasis] Yazaki S.
J Jap Obstet Gynecol Soc 23:273-81, Apr 71 (Jap)
[New trial in the diagnosis of hepatic tumors--method and significance of cytodiagnosis of the lesions localized by ultrasonics] Hikosaka N, et al.
Naika 27:947-53, May 71 (Jap)
[Echo test] Wagai T. Naika 27:657-65, Apr 71 (Jap)
[Giant cyst of the spleen--on the diagnosis based on ultrasonic tomography] Yokota M, et al.
Naika 27:355-60, Feb 71 (Jap)
[Ultrasonic diagnosis of vitreous body opacity] Tane S, et al. Ophthalmology (Tokyo) 13:511-9, May 71 (Jap)
[Small size ultrasonic Doppler apparatus for fetal diagnosis and efficiency of the ultrasonic machine for pre-operative hand-washing] Murooka H, et al.
Sanfujinka Jissai 19:1095-100, Nov 70 (Jap)
[Present status of ultrasonic diagnosis of surgical jaundice and bile duct cancer] Sanafuji T.
Surg Ther (Osaka) 24:12-24, Jan 71 (Jap)
[Usefulness of ultrasonography in the diagnosis of neoplasms of the reproductive organs] Groniowski J, et al. Nowotwory 20:183-90, Jul-Sep 70 (Pol)
[Possibilities of unidimensional ultrasonic echography in studying the carotid arteries in man] Dorogova EV.
Eksp Khir Anesteziol 15:30-5, Mar-Apr 70 (Rus)
[Ultrasonic gauge of linear blood flow velocity and some results of its clinical use] Provotorov VM.
Kardiologiia 10:117-20, Sep 70 (Rus)
[Phase structure of the diastole in sportsmen according to range-free ultrasonic location data] Voloshin VG, et al. Kardiologiia 10:113-7, Sep 70 (Rus)
[Ultrasonic diagnosis of thromboembolism of the pulmonary artery] Bogin IuN, et al.
Klin Med (Mosk) 48:57-61, Nov 70 (Rus)
[Ultrasonic diagnosis of some kidney diseases]
Shul'tsev GP, et al.
Klin Med (Mosk) 48:3-6, Jul 70 (Rus)
[Application of ultrasound to the study of the carotid arteries] Dorogova EV, et al.
Nov Med Priborostr 1:89-94, 1967 (Rus)
[EKh0-21 apparatus for ultrasonic diagnosis in ophthalmology] Florianovich NM, et al.
Nov Med Priborostr 3:12-8, 1970 (Rus)
[Experimental bases for a method of measuring the interparietal diameter of the fetal head and actual pelvic conjugates using ultrasound] Khentov RA, et al. Nov Med Priborostr 1:22-9, 1969 (Rus)
[Differential diagnosis of uterine myoma and ovarian cystoma by 2-dimensional echography] Khentov RA.
Nov Med Priborostr 3:50-4, 1970 (Rus)
[Experience of unidimensional echoencephalography in obstetric practice] Khlestova RA.
Nov Med Priborostr 1:30-3, 1969 (Rus)
[Technical requirements and organization of diagnosis using ultrasonics] Mastriukov VA, et al.
Nov Med Priborostr 3:10-1, 1970 (Rus)
[Ultrasonic diagnosis in suppurative surgery]
Mastriukov VA, et al.
Nov Med Priborostr 1:112-7, 1970 (Rus)
[Ultrasonic study in cholecystitis] Mastriukov VA, et al. Nov Med Priborostr 1:118-26, 1970 (Rus)
[Use of the "Ekho-21" echoophthalmograph for ophthalmological ultrasonic studies] Mitkokh DI, et al. Nov Med Priborostr 1:103-11, 1970 (Rus)
[Study of the shape of the eye using echography]
Mozherenkov VP, et al.
Nov Med Priborostr 1:41-3, 1969 (Rus)
[Ultrasonic diagnosis of choroid neoplasms]
Mozherenkov VP, et al.
Nov Med Priborostr 1:37-40, 1969 (Rus)
[Use of complex scanning in ultrasonic diagnostic apparatus] Timofeeva TE, et al.
Nov Med Priborostr 3:19-25, 1970 (Rus)
[Ultrasonic diagnosis of melanoblastomas of the eye uveal tract] Marmur RK, et al.
Oftalmol Zh 25:122-6, 1970 (Rus)
[Evaluation of the state of the anterior part of the eye in patients with traumatic cataracts using the method of ultrasonic echography] Marmur RK, et al.
Oftalmol Zh 25:192-8, 1970 (Rus)
[Ultrasonic diagnosis of coronary arterioscleroses]
Kolesov EV, et al. Vestn Khir 105:14-8, Nov 70 (Rus)
[Use of ultrasonic echography to determine the magnetic properties of intraocular fragments]
Kodzov MV, et al. Vestn Oftalmol 5:78-9, 1970 (Rus)
[Ultrasonic Dopler effect as 2 diagnostic method in angiology] Richter H.
Angiologia 22:265-9, Nov-Dec 70 (Spa)
[Examination with ultrasonic technics in gynecology and obstetrics] Alvarez Bravo A.
Ginecol Obstet Mex 29:233-48, Mar 71 (Spa)
[Ultrasonic monitoring in obstetrical practice. Its use and evaluation] Río de la Loza F, et al.
Ginecol Obstet Mex 29:445-50, May 71 (Spa)
[Application of the effect Doppler (ultrasonics) in obstetrics for the diagnosis of fetal life and to locate the placenta] Ziliani M.
Rev Obstet Ginecol Venez 30:47-66, 1970 (Spa)
[The clinical use of ultrasonic methods of diagnosis in ophthalmiatrics] Oksala A.
Lakartidningen 68:993-1007, 24 Feb 71 (Swe)
[Examination of pleural plaques by ultrasonics] Vilkeri M. Nord Med 85:937-8, 5 Aug 71 (Swe)

INSTRUMENTATION

Use of an ultrasonic nebulizer for the application of oropharyngeal, laryngeal and tracheobronchial anesthesia. Christofordis AJ, et al.
Chest 59:629-33, Jun 71
The ultrasonic transducer. Kossoff G.
Int Ophthalmol Clin 9:523-41, Fall 69
B-mode orbital ultrasonography. Purnell EW.
Int Ophthalmol Clin 9:643-65, Fall 69
Poor mercury hygiene from ultrasonic amalgam condensation. Chandler HH, et al.
J Am Dent Assoc 82:553-7, Mar 71
Ultrasound placement of cardiac tube in ventricular atrial shung. Technical note. Nishimoto A, et al.
J Neurosurg 33:602-5, Nov 70
A simple ultrasonic meter for measuring activity in small laboratory animals. Lorenzetti OJ, et al.
Med Biol Eng 8:413-4, Jul 70
A microscope viewing ultrasonic irradiation chamber. Pond JB, et al. Phys Med Biol 16:521-4, Jul 71
[A combined magnetic sound head for the localization and extraction of intraocular foreign bodies] Schum U. Klin Monatsbl Augenheilkd 157:256-8, Aug 70 (Ger)
[Small size ultrasonic Doppler apparatus for fetal diagnosis and efficiency of the ultrasonic machine for pre-operative hand-washing] Murooka H, et al.
Sanfujinka Jissai 19:1095-100, Nov 70 (Jap)
[Some problems of acoustic matching of ultrasonic diagnostic pickups] Chevnenko AA, et al.
Nov Med Priborostr 1:59-62, 1969 (Rus)
[Ceramic piezoelements in medical ultrasonic apparatus] Fateeva ZM.
Nov Med Priborostr 1:70-3, 1969 (Rus)
[Choice of system of acoustic contact between the emitter and patient's body in ultrasonic diagnostic apparatus with complex scanning] Gurevich MD.
Nov Med Priborostr 1:63-9, 1969 (Rus)
[Complex scanning pickup for ultrasonic echography]
Gurevich MD, et al.
Nov Med Priborostr 1:50-8, 1969 (Rus)
[The UDA-734 ultrasonic diagnostic apparatus]
Ivannikova MA, et al.
Nov Med Priborostr 1:44-9, 1969 (Rus)

STANDARDS

The ultrasonic biparietal diameter, expressed in time units. Whittingham TA. Br J Radiol 44:481-2, Jun 71
Reproducible calibrations: the basis of ultrasonic differential diagnosis in A-mode and B-mode examination of eye and orbit. Buschmann WH.
Int Ophthalmol Clin 9:761-92, Fall 69

THERAPEUTIC USE

[Use of endolaryngeal ultrasonics in the therapy of juvenile laryngeal papilliomatosis] Wehmer W.
HNO 18:168-70, Jun 70 (Ger)
[Results of ultrasound treatment of humero-scapular periarthritis] Swirski J.
Reumatologia 9:159-63, 1971 (Pol)

ULTRAVIOLET RAYS (G3, H)

A study on lymphocyte transformation in light dermatoses. Preliminary report. Horkay I, et al.
Acta Derm Venereol (Stockh) 51:268-70, 1971
Erythropoietic protoporphyria. VI. The synergistic effect of ultraviolet and infrared radiation and protection against these wavelengths. Runge WJ, et al. Acta Derm Venereol (Stockh) 51:55-8, 1971
The influence of UV radiation on some physicochemical properties, biochemical parameters and submicroscopic structure of pigeon erythrocytes in vitro. Kabat IA, et al. Acta Med Pol 12:293-7, 1971
Effect of UV irradiation, merthiolate and thymol on interferential properties of tick-borne encephalitis virus (TE). Dąbek-Szreniawska M.
Acta Microbiol Pol [A] 2:139-42, 1970
The circadian fluctuations of the amount of free phosphate and of the activity of acid phosphatase in the kidneys of mice and the effect of UV radiation upon this rhythm. Lindahl PE, et al.
Acta Physiol Scand 80:254-68, Oct 70
Interferonogenicity and other properties of partially inactivated influenza virus. Orlova TG, et al.
Acta Virol (Praha) 15:128-32, Mar 71
Ultraviolet radiation effects on isolated nerve fibers. Lieberman EM.
Adv Biol Med Phys 13:329-50, 1970 (28 ref.)
Effects of ultraviolet and visible light on nerve fibers and changes in optical properties during nervous activity. Tasaki I.
Adv Biol Med Phys 13:307-27, 1970 (74 ref.)
Isolation of ultraviolet light induced pyrimidine dimers from enzymic hydrolyzates of DNA. Small GD, et al.
Anal Biochem 41:116-25, May 71
Sensitization of damage by ultra-violet light to mammalian erythrocyte membrane. Ortu-Buselli MA.
Ann Ist Super Sanita 6:302-9, 1970
Comparison of the effects of some iodine compounds on the survival of Escherichia coli B-r irradiated with X rays and ultra-violet light. Sapora O.
Ann Ist Super Sanita 6:293-301, 1970
The intensity and spectral distribution of ultraviolet emission from welding arcs in relation to the photodecomposition of gases. Dahlberg JA.
Ann Occup Hyg 14:259-67, Sep 71
Induction of antinuclear antibodies by ultraviolet irradiation. Veen JH, et al.
Ann Rheum Dis 29:556-8, Sep 70
Radiation resistance of Candida humicola. Caduri GP, et al.
Antonie van Leeuwenhoek 35:Suppl:H17-8, Jun 69
Repair of prelethal and premutational damages in Schizosaccharomyces pombe. Loprieno N, et al.
Antonie van Leeuwenhoek 35:Suppl:C15-6, Jun 69
Relative susceptibility of acid-fast and non-acid-fast bacteria to ultraviolet light. Collins FM.
Appl Microbiol 21:411-3, Mar 71
Preparation and ultraviolet light-induced transformation of an antifungal mixture of heptaene antibiotics of Streptomyces surinam. Siewert G, et al.
Appl Microbiol 21:1007-10, Jun 71
Room air disinfection by ultraviolet irradiation of upper air. Air mixing and germicidal effectiveness. Riley RL, et al. Arch Environ Health 22:208-19, Feb 71
Convection, air mixing, and ultraviolet air disinfection in rooms. Riley RL, et al.
Arch Environ Health 22:200-7, Feb 71
Room air disinfection by ultraviolet irradiation of upper air. Further analysis of convective air exchange. Riley RL, et al.
Arch Environ Health 23:35-9, Jul 71
Air disinfection in corridors by upper air irradiation with ultraviolet. Riley RL, et al.
Arch Environ Health 22:551-3, May 71
Carotenoids in some ultraviolet mutants of Epicoccum

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

nigrum Link. Gribanovski-Sassu O, et al. Arch Mikrobiol 73:216-23, 1970
Relative susceptibilities of caffeine-sensitive and caffeine-resistant strains of Candida albicans to inactivation and mutation by ultraviolet radiation. Sarachek A, et al. Arch Mikrobiol 74:244-57, 1970
The effect of caffeine and light on killing of the blue-green alga Anabaena doliolum by ultraviolet radiation. Srivastava BS, et al. Arch Mikrobiol 78:139-44, 1971
Pigment variations in ultraviolet-treated strains of the blue-green alga Anabaena doliolum. Srivastava BS, et al. Arch Mikrobiol 77:247-51, 1971
Repair of UV-induced mutations in phage T4. Azizbekyan RR, et al. Biochem Biophys Res Commun 43:1402-7, 18 Jun 71
Photosensitized splitting of pyrimidine dimers by indole derivatives. Helene C, et al. Biochem Biophys Res Commun 43:252-7, 16 Apr 71
A mixed photoproduct of thymine and cysteine: 5-S-cysteine, 6-hydrothymine. Smith KC. Biochem Biophys Res Commun 39:1011-6, 1970
Effects of the host-cell repair system on bacteriophage reproduction. Soyfer VN, et al. Biochem Biophys Res Commun 41:1396-405, 24 Dec 70
Ultraviolet light-induced purine modified DNA. Steinmaus H, et al. Biochem Biophys Res Commun 40:1021-5, 10 Sep 70
Apparent association of activity of anti-inflammatory drugs in a sulfhydryl exchange reaction in vitro and in the guinea pig erythema assay. Swingle KF, et al. Biochem Pharmacol 19:2995-9, Dec 70
The effect or ultraviolet light on the hydrogenase of Proteus vulgaris. Purec L, et al. Biochemistry 7:51-5, Jan 68
Photohydration of uridine in the ribonucleic acid of coliphage R17. Lethality of uridine photohydrates and nonlethality of cyclobutane-type photodimers. Remsen JF, et al. Biochemistry 10:324-9, 2 Feb 71
Uracil-thymine adduct from a mixture of uracil and thymine irradiated with ultraviolet light. Rhoades DF, et al. Biochemistry 9:4416-20, 27 Oct 70
Photochemistry of thymidine in ice. Varghese AJ. Biochemistry 9:4781-7, 24 Nov 70
Light-induced cross-linking of DNA in the presence of a furocoumarin (psoralen). Studies with phage lambda, Escherichia coli, and mouse leukemia cells. Cole RS. Biochim Biophys Acta 217:30-9, 17 Sep 70
Reversal mechanisms for the photohydrates of cytosine and its derivatives. Deboer G, et al. Biochim Biophys Acta 213:253-68, 8 Aug 70
Increased resistance of DNA replication to ultraviolet light damage in amino acid-starved bacteria. Doudney CO. Biochim Biophys Acta 228:57-66, 1 Jan 71
Interferon induction by and infectivity of ultraviolet-irradiated double- and multistranded viral RNA's. Falcoff R, et al. Biochim Biophys Acta 217:195-8, 17 Sep 70
Interference between the rec A product and an ATP-dependent exonuclease in extracts of E. coli. Hout A, et al. Biochim Biophys Acta 224:285-7, 12 Nov 70
In vitro labeling of polynucleotides by photoreduction. Lee VF, et al. Biochim Biophys Acta 238:174-9, 13 May 71
Effects of ultraviolet irradiation on native and telopeptide-poor collagen. Miyata T, et al. Biochim Biophys Acta 229:672-80, 23 Mar 71
Repair of ultraviolet-damaged DNA in Micrococcus lysodeikticus. I. An endonuclease specific for ultraviolet-irradiated DNA. Nakayama H, et al. Biochim Biophys Acta 228:67-82, 1 Jan 71
Repair of ultraviolet-damaged DNA in Micrococcus lysodeikticus. II. In vivo investigation on endonuclease activity specific for ultraviolet-irradiated DNA. Okubo S, et al. Biochim Biophys Acta 228:83-94, 1 Jan 71
Mechanism of skin photosensitization by forucoumarins. Photoreactivity of various furocoumarins with native DNA and with ribosomal RNA. Rodighiero G, et al. Biochim Biophys Acta 217:40-9, 17 Sep 70
Prosthetic groups as protectors of an enzyme against the action of ultraviolet light. Rosén CG, et al. Biochim Biophys Acta 236:1-7, 27 Apr 71
Methylation of DNA in ultraviolet-irradiated bacteria. Ryan AM, et al. Biochim Biophys Acta 240:303-14, 30 Jun 71
Inactivation of Escherichia coli ribosomes by ultraviolet irradiation. 3. The activity of poly U-directed binding of phenylalanyl-tRNA. Yasuda K, et al. Biochim Biophys Acta 217:142-7, 17 Sep 70
Ultraviolet light-induced division delayed in synchronized Chinese hamster cells. Han A, et al. Biophys J 11:540-9, Jun 71
Ultraviolet light-induced division delay in synchronized Chinese hamster cells. Han A, et al. Biophys J 11:540-9, Jun 71
Deoxyribonucleic acid synthesis in ultraviolet-light-irradiated Chinese hamster cells. Meyn RE, et al. Biophys J 11:295-301, Mar 71
Nature of the complementary strands synthesized in vitro upon the single-stranded circular DNA of bacteriophage phiX174 after ultraviolet irradiation. Poddar RK, et al. Biophys J 11:355-69, Apr 71
Evidence for excision of ultraviolet-induced pyrimidine dimers from the DNA of human cells in vitro. Regan JD, et al. Biophys J 8:319-25, Mar 68
Inactivation and division delay of Escherichia coli B-r by combined treatment with UV and vacuum. Bücker H, et al. Biophysik 7:217-22, 1971
Acetone-sensitized inactivation of guanylyl-uridylyl-uridine (GUU) in the binding of valyl-tRNA to ribosomes. Chandra P, et al. Biophysik 7:245-6, 1971
The effects of ultra-violet light and x-rays on aqueous solutions of poly-L-glutamic acid. Ishikawa M. Biophysik 7:1-7, 1970
Electron spin resonance studies of ultraviolet irradiation effects on some proteins. Pepe IM. Biophysik 7:115-9, 1971
Fibrinolytic activity in lesions produced by monochromator ultraviolet irradiation in various photodermatoses. Grice K, et al. Br J Dermatol 83:637-49, Dec 70
Non-enzymatic decarboxylation of aspartic acid. Marx A, et al. Bull Soc Chim Biol (Paris) 52:353-5, 17 Apr 70
Effect of near-ultraviolet light on the respiratory chain of Escherichia coli. Bragg PD. Can J Biochem 49:492-5, May 71
Non-nuclear inheritance of UV sensitivity in Neurospora crassa. Chang LT, et al. Can J Genet Cytol 10:920-7, Dec 68
Ultraviolet light sensitive mutants of Ustilago violacea. Day AW, et al. Can J Genet Cytol 12:891-904, Dec 70
Absence of a detectable change in Ds at the A1 locus in maize following mutagenic treatments. Mouli C, et al. Can J Genet Cytol 13:436-42, Sep 70
A new mutation in Neurospora for sensitivity to ultraviolet. Stadler DR, et al. Can J Genet Cytol 10:916-9, Dec 68
The disinfection of industrial and potable water supplies using ultraviolet radiation. Stiff FR. Chem Ind 4:116-20, 23 Jan 71
A mathematical model of the course of the DNA synthesis in mammalian cells after ultraviolet irradiation and its use in the determination of the length of the replicon. Vaníšek J, et al. Curr Mod Biol 3:347-53, Feb 71
Ultraviolet absorbers in dental monomers. Winkler S, et al. Dent Dig 77:460-2, Aug 71
Photoreversion of UV induction of the malformation "double abdomen" in the egg of Smittia spec. (Diptera, Chironomidae). Kalthoff K. Dev Biol 25:119-32, May 71
A UV-labile morphogenetic substance in Volvox carteri. Kochert G, et al. Dev Biol 23:128-35, Sep 70
Oscillatory behaviour of enzymic reactions: a new phenomenon. Comorosan S, et al. Enzymologia 38:317-28, 30 Jun 70
A new approach to the control mechanisms in tumor cells. Comorosan S, et al. Eur J Cancer 6:393-400, Oct 70
UV-absorption and quinacrine mustard fluorescence patterns for chromosome aberration study in Chinese hamster. Caspersson T, et al. Exp Cell Res 63:243-4, Nov 70
Nucleic acid and protein synthesis, as measured by incorporation of tracers, during regeneration in ultraviolet-treated Blepharisma. Giese AC. Exp Cell Res 64:218-26, Jan 71
UV-irradiation induced changes in the uptake of acridine orange in living mouse fibroblasts in vitro. Hagenäs L, et al. Exp Cell Res 62:118-24, Sep 70
An ultraviolet microbeam study of the roles of nucleus and cytoplasm in division delay, killing, and photoreactivation of Amoeba proteus. Jagger J, et al. Exp Cell Res 58:35-54, Nov 69
Induction of DNA polymerase activity in irradiated Tetrahymena cells. Keiding J, et al. Exp Cell Res 64:317-22, Feb 71
Effects of ultraviolet micro-irradiation on different parts of the cell. II. Cytological observations and unscheduled DNA synthesis after partial nuclear irradiation. Moreno G. Exp Cell Res 65:129-39, Mar 71
Mutagenic effect of UV-light and x-rays on Streptomyces nigrifaciens and yield of the antifungal substance. Chaudhary KC, et al. Experientia 27:706-7, Jun 71
Inhibition of ultraviolet-induced hydroxyproline formation in human dermal collagen. Raab WP. Experientia 26:1061-2, 15 Oct 70
Practically speaking: visualization of lens residue during surgery. Hague EB. Eye Ear Nose Throat Mon 50:300-1, Aug 71
Effect of 5-fluorouracil posttreatment on sensitivity to ultraviolet radiation and course of messenger RNA synthesis in Escherichia coli cells. Brozmanová J, et al. Folia Microbiol (Praha) 16:114-25, 1971
The relative specificity of mutagens for the induction of forward mutations in Corynebacterium. Nečásek J, et al. Folia Microbiol (Praha) 15:275-81, 1970
Use of mutagens in the improvement of production strains of microorganisms. Thoma RW. Folia Microbiol (Praha) 16:197-204, 1971
The adenosine triphosphate pool and the adenyl cyclase activity in Escherichia coli strains with different UV sensitivity. Věchet B, et al. Folia Microbiol (Praha) 16:31-4, 1971
Light sensitivity of LiF thermoluminescent dosimeters. Freeswick DC, et al. Health Phys 19:65, Jul 70
Effect of ultraviolet radiations on ornithine. Pathak HD, et al. Indian J Biochem 7:196-8, Sep 70
Effect of UV radiations on amino acids. V. Ultraviolet induced changes in aqueous solution of methionine in presence or absence of hydrogen or nitrogen. Pathak HD, et al. Indian J Biochem 7:211-4, Sep 70
Modifying effect of pre- & post-treatment with nitrogen mustard on the effect of UV irradiation in Aspergillus chevalieri (Mangin). Nanda G, et al. Indian J Exp Biol 8:319-20, Oct 70
DNA repair and radiation sensitivity in human (xeroderma pigmentosum) cells. Cleaver JE. Int J Radiat Biol 18:557-65, 1970
Inactivation and repair of polyvalent phages of Staphylococcus aureus irradiated with ultra-violet light: comparison of phages irradiated with u.v. light and plated on various bacterial hosts. Křivánková M, et al. Int J Radiat Biol 20:69-73, 1971
Host-cell reactivation in mammalian cells. I. Survival of ultra-violet-irradiated herpes virus in different cell-lines. Lytle CD. Int J Radiat Biol 19:329-37, 1971
Enhancement of viral transformation by ultra-violet light. Lytle CD, et al. Int J Radiat Biol 18:297-300, 1970
Repairable and irrepairable damage in 5-bromouracil-substituted DNA exposed to ultra-violet radiation. Smets LA, et al. Int J Radiat Biol 19:445-57, 1971
Effect of dark-repair inhibitors on the survival of Escherichia coli B under different post-irradiation conditions. Vůdalová M, et al. Int J Radiat Biol 20:49-59, 1971
Hydroxylated vitamin D analogues. Bontekoe JS, et al. Int Z Vitaminforsch 40:589-91, 1970
Norsolorinic acid from a mutant strain of Aspergillus parasiticus. Lee L, et al. J Am Oil Chem Soc 48:93-4, Feb 71
Qualitative difference between bleomycin and radiation effects on cell viability. Endo H. J Antibiot (Tokyo) 23:508-10, Oct 70
Role of pyridine nucleotides in 5-fluorouracil-mediated reactivation of ultraviolet radiation damage. Boyle JM, et al. J Bacteriol 106:896-903, Jun 71
Properties of F' factor deoxyribonucleic acid transferred from ultraviolet-irradiated donors: photoreactivation in the recipient and the influence of recA, recB, recC, and uvr genes. Cole RS. J Bacteriol 106:143-9, Apr 71
Effect of nalidixic acid on semiconservative replication and repair synthesis after ultraviolet irradiation in Escherichia coli. Eberle H, et al. J Bacteriol 105:908-12, Mar 71
Isolation and characterization of thymineless mutants from ultraviolet-sensitive Bacillus subtilis strains. Felkner IC. J Bacteriol 104:1030-2, Nov 70
Dark repair of ultraviolet-irradiated deoxyribonucleic acid by bacteriophage T4: purification and characterization of a dimer-specific phage-induced endonuclease. Friedberg EC, et al. J Bacteriol 106:560-7, May 71
Mutants of Staphylococcus aureus with increased sensitivity to ultraviolet radiation. Goering RV, et al. J Bacteriol 106:157-61, Apr 71
Repair of irradiation transforming deoxyribonucleic acid in wild type and a radiation-sensitive mutant of Micrococcus radiodurans. Moseley BE, et al. J Bacteriol 105:976-83, Mar 71
Ultraviolet- and X-ray-induced responses of a deoxyribonucleic acid polymerase-deficient mutant of Escherichia coli. Paterson MC, et al. J Bacteriol 107:61-7, Jul 71
Influence of ribosides on ultraviolet resistance of Escherichia coli: role of deoxyribonucleic acid synthesis in the ultraviolet resistance enhancement after amino acid prestarvation. Sedliaková M, et al. J Bacteriol 107:16-20, Jul 71
Genetic location in Escherichia coli K-12 of the ultraviolet-sensitive mutation uvrD3. Siegel EC. J Bacteriol 104:604-5, Oct 70
Defective excision repair of pyrimidine dimers in the ultraviolet-sensitive Escherichia coli ras- mutant. Walker JR. J Bacteriol 103:552-9, Sep 70
Genetic mapping in Escherichia coli K-12 by radiation-induced crossing-over. Wann M, et al. J Bacteriol 103:601-6, Sep 70
Virus RNA synthesis by ultraviolet-irradiated Newcastle disease virus and interferon production. Gandhi SS, et al. J Gen Virol 9:97-9, Oct 70
Ultraviolet reactivation in bacteriophage lambda. Hart MG, et al. J Gen Virol 8:197-208, Sep 70
The influence of ultraviolet-inactivated Sendai virus on Marek's disease virus infection in tissue culture. Hložánek I. J Gen Virol 9:45-50, Oct 70
Sensitivity to inactivation by ultraviolet light of certain functions of polyoma virus: cell surface antigen. Meyer G, et al. J Gen Virol 9:127-31, Nov 70
The relation between radiation stability and DNA replication of phage T4. Ritchie DA, et al. J Gen Virol 8:121-31, Aug 70
Effect of U.v.-irradiated vesicular stomatitis virus on

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

nucleic acid synthesis in chick embryo cells. Yaoi Y, et al. J Gen Virol 8:165-72, Sep 70
Inhibitory effect of ultraviolet-inactivated vesicular stomatitis virus on initiation o DNA synthesis in cultured chick embryo cells. Yaoi Y, et al. J Gen Virol 9:69-75, Oct 70
Radiological studies on the chronological relation between murine sarcoma virus infection and cell cycle. Yoshikura H. J Gen Virol 8:113-20, Aug 70
Effects of light on skin lipid metabolism. Black HS, et al. J Invest Dermatol 56:387-91, May 71
Xeroderma pigmentosum: abnormal monochromatic action spectrum and autoradiographic studies. Cripps DJ, et al. J Invest Dermatol 56:281-6, Apr 71
Evaluation of the phototoxic potential of topically applied agents using long-wave ultraviolet light. Stott CW, et al. J Invest Dermatol 55:335-8, Nov 70
Action spectrum of ultraviolet light-induced damage to nuclear DNA in vivo. Tan EM, et al. J Invest Dermatol 55:439-43, Dec 70
Ultraviolet-stimulated thymidine incorporation in xeroderma pigmentosum lymphocytes. Burk PG, et al. J Lab Clin Med 77:759-67, May 71
Correlations between host-cell reactivation, ultraviolet reactivation and pyrimidine dimer excision in the DNA of bacteriophage lambda. Boyle JM, et al. J Mol Biol 51:131-44, 14 Jul 70
Characterization and synthesis of phi X174 proteins in ultraviolet-irradiated and unirradiated cells. Godson GN. J Mol Biol 57:541-53, 14 May 71
Repair of damage induced by ultraviolet light in DNA polymerase-defective Escherichia coli cells. Monk M, et al. J Mol Biol 56:623-30, 14 Jun 71
Repair of radiation-induced damage in Escherichia coli. I. Effect of rec mutations on post-replication repair of damage due to ultraviolet radiation. Smith KC, et al. J Mol Biol 51:459-72, Aug 70
The Kornberg polymerase and the repair of irradiated T4 bacteriophage. Smithsm, et al. J Mol Biol 54:391-3, 14 Dec 70
Biological activity of irradiated tRNA Val containing a 4-thiouridine-cytosine dimer. Yaniv M, et al. J Mol Biol 58:381-8, 28 May 71
Pharmacological studies in inflammation due to exposure to ultraviolet radiation. Sondergaard J, et al. J Pathol 101:93-7, Jun 70
Greater vulnerability of the infecting viral strand of replicative-form deoxyribonucleic acid of bacteriophage phi X174. Datta B, et al. J Virol 6:583-8, Nov 70
Studies on fatty acid esters of flavins. VII. Reaction of riboflavin tetrabutyrate with linoleic acid under ultra violet light irradiation. Oama H, et al. J Vitaminol (Kyoto) 16:297-303, 10 Dec 70
Ultraviolet spectrophotometry of organic synthesized pesticides. Takahama K, et al. Jap J Leg Med 25:85-90, Jan 71
Inactivation of the transforming capacity of SV40 and the oncogenicity of adenovirus 12 by ultraviolet irradiation. Yamamoto H. Jap J Microbiol 14:487-93, Nov 70
Mechanism of interphasic death in radiation damage: photoreaction following ultraviolet microbeam irradiation at a nuclear and cytoplasmic part of living cells. Karitani Y. Mie Med J 19:277-94, Jan 70
Radiobiological effects of solely nuclear and cytoplasmic irradiation with ultraviolet-microbeam in HeLa cells. Usui M. Mie Med J 20:21-33 passim, May 70
Induction of unscheduled DNA synthesis by half-nucleus irradiation of HeLa cells with an UV-microbeam in combination with hydroxyurea treatment. Yatani R. Mie Med J 20:93-104, Sep 70
An autoradiographic study on the relationship between normal and unscheduled DNA synthesis. Yatani R, et al. Mie Med J 20:175-84, Jan 71
In vivo repair of UV-irradiation damage of single stranded DNA phage phi-X 174. Datta B, et al. Mol Gen Genet 107:50-7, 1970
A UV-supersensitive mutant in the yeast Schizosaccharomyces pombe. Fabre F. Mol Gen Genet 110:134-43, 1971
Differences in host controlled reactivation of lambdoid and T phages. Geissler E. Mol Gen Genet 109:257-63, 1970
Different sensitivities of T4D and lambda mutants to photodynamic action. Geissler E. Mol Gen Genet 109:264-8, 1970
Conjugal transfer of UV-damaged F-prime sex factors and indirect induction of prophage- . George J, et al. Mol Gen Genet 111:103-19, 1971
The effects of caffeine, ultraviolet and x-irradiation on DNA breakdown in E. coli B and some of its dark repair mutants. Grigg GW. Mol Gen Genet 106:228-38, 1970
Dependence of the U.V. survival of transforming DNA on the amount of DNA uptake per cell. Harm H. Mol Gen Genet 107:71-84, 1970
Differential "liquid holding recovery" for the lethal effect and cytoplasmic "petite" induction by UV light in Saccharomyces cerevisiae. Moustacchi E, et al. Mol Gen Genet 109:69-83, 1970
The genetic effects of liquid holding recovery in ultra violet light sensitive mutants of yeast. Parry JM. Mol Gen Genet 111:51-60, 1971
Photoreactivation of mutational damage produced by the interaction between DEB and UV in Neurospora. Rannug JU. Mol Gen Genet 111:194-6, 1971
Mapping of the uvr gene of Salmonella typhimurium. Andreeva IV, et al. Mutat Res 10:506-8, Nov 70
Mutagenesis of cultured mammalian cells by X-radiation and ultraviolet light. Bridges BA, et al. Mutat Res 10:141-51, Aug 70
On the specificity of UV mutagenesis in E. coli. Cheung MK, et al. Mutat Res 10:521-3, Nov 70
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. II. A reextraction study of integration and repair. Day RS 3d, et al. Mutat Res 11:313-26, Mar 71
Ultraviolet sensitivity of Haemophilus influenzae transforming DNA. I. Effects of genetic mismatch and target size. Day RS 3d, et al. Mutat Res 11:293-311, Mar 71
UV-sensitivity of the wild-type and different UVS mutants of Schizosaccharomyces pombe. Fabre F. Mutat Res 10:415-26, Nov 70
Another two genes controlling mitotic intragenic recombination and recovery from UV damage in Aspergillus nidulans. I. UV sensitivity, complementation and location of six mutants. Fortuin JJ. Mutat Res 11:149-62, Feb 71
Another two genes controlling mitotic intragenic recombination and recovery from UV damage in Aspergillus nidulans. II. Recombination behaviour and x-ray-sensitivity of uvsD and uvsE mutants. Fortuin JJ. Mutat Res 11:265-77, Mar 71
Analysis of photoenzymatic repair of UV lesions in DNA by single light flashes. VI. Rate constants for enzyme-substrate binding in vitro between yeast photoreactivating enzyme and ultraviolet lesions in Haemophilus transforming DNA. Harm H, et al. Mutat Res 10:291-306, Oct 70
Analysis of photoenzymatic repair of UV lesions in DNA by single light flashes. VII. Photolysis of enzyme-substrate complexes in vitro. Harm H, et al. Mutat Res 10:307-18, Oct 70
Analysis of photoenzymatic repair of UV lesions in DNA by single light flashes. 8. Inhibition of photoenzymatic repair of UV lesions in E. coli DNA by caffeine. Harm W. Mutat Res 10:319-33, Oct 70
Analysis of photoenzymatic repair of UV lesions in DNA by single light flashes. V. Determination of the reaction-rate constants in E. coli cells. Harm W. Mutat Res 10:277-90, Oct 70
Ultraviolet-sensitive mutants of Streptomyces coelicolor. I. Phenotypic characterisation. Harold RJ, et al. Mutat Res 10:427-38, Nov 70
Ultraviolet-sensitive mutants of Streptomyces coelicolor. II. Genetics. Harold RJ, et al. Mutat Res 10:439-48, Nov 70
Location of genes controlling excision repair of UV damage and mutator activity in Escherichia coli WP2. Hill RF. Mutat Res 9:341-4, Mar 70
Influence of host-cell reactivation and UV dose on formation of pure and mixed clones of c mutants in phage kappa. Kaplan RW, et al. Mutat Res 10:257-67, Oct 70
The interaction between diepoxybutane and ultraviolet light in yeast. II. Experiments with UV-sensitive and resistant strains. Kilbey BJ. Mutat Res 10:525-31, Dec 70
Induction by UV-light of sectored and non-sectored petite mutants of Saccharomyces cerevisiae. Mayer VW. Mutat Res 9:255-60, Mar 70
Different modes of loss of photoreversibility of ultraviolet light-induced true and suppressor mutations to tryptophan independence in an auxotrophic strain of Escherichia coli. Nishioka H, et al. Mutat Res 9:349-58, Apr 70
Differential photoreversibility of ultraviolet-induced premutational lesions in Neurospora. Serres FJ de, et al. Mutat Res 12:221-34, Jul 71
Effects of caffeine on the induction of mutation in Chinese hamster cells by ultraviolet light. Trosko JE, et al. Mutat Res 12:337-40, Jul 71
Griseofulvin-resistant mutants in dermatophytes. 1. The frequency of spontaneous and UV-induced mutants. Lenhart K. Mykosen 12:655-60, 1 Nov 69
Decreased host cell reactivation of irradiated SV40 virus in xeroderma pigmentosum. Aaronson SA, et al. Nature (Lond) 228:359-61, 24 Oct 70
Insect visual pigment sensitive to ultraviolet light. Hamdorf K, et al. Nature (Lond) 231:458-9, 18 Jun 71
New form of molecular defect in xeroderma pigmentosum. Jung EG. Nature (Lond) 228:361-2, 24 Oct 70
Host cell reactivation in strains of E. coli lacking DNA polymerase activity in vitro. Klein A, et al. Nature [New Biol] 229:82-4, 20 Jan 71
Target size of DNA in ultraviolet irradiation. Radman M. Nature [New Biol] 230:277-8, 28 Apr 71
Ultraviolet mutagenesis in strains of E. coli deficient in DNA polymerase. Witkin EM. Nature [New Biol] 229:81-2, 20 Jan 71
Molecular weight of the DNA synthesized in L-cells containing pyrimidine dimers in their DNA. Klimek M, et al. Neoplasma 18:87-97, 1971
DNA repair in ultraviolet light irradiated HeLa cells and its reversible inhibition by hydroxyurea. Ben-Hur E, et al. Photochem Photobiol 13:337-45, Apr 71
Repair replication in Chinese hamster cells after damage from ultraviolet light. Cleaver JE. Photochem Photobiol 12:17-28, Jul 70
Absence of repair replication following ultraviolet irradiation of an excision-deficient mutant of Escherichia coli. Cooper PK, et al. Photochem Photobiol 13:83-5, Jan 71
Effects of ultraviolet radiation on the mitotic cycle and DNA, RNA and protein synthesis in mammalian epidermis in vivo. Epstein JH, et al. Photochem Photobiol 12:57-65, Jul 70
Inactivation of trypsin by ultraviolet light as a function of wavelength and conformation. Ghiron CA, et al. Photochem Photobiol 12:433-7, Nov 70
Inactivation by ultraviolet radiation at different wavelengths of the RNA isolated from potato virus X. Govierda, et al. Photochem Photobiol 12:345-53, Nov 70
Flash photolysis and inactivation of aqueous lysozyme. Grossweiner LI, et al. Photochem Photobiol 13:195-214, Mar 71
Sensitivity of chick embryos to ultraviolet radiation during early embryogenesis. Lwin K. Photochem Photobiol 13:289-91, Mar 71
Some observations on the lethal effects of near-ultraviolet light on Escherichia coli, compared with the lethal effects of far-ultraviolet light. Peak MJ. Photochem Photobiol 12:1-8, Jul 70
Mutagenic effects of near ultraviolet and visible radiant energy on continuous cultures of escherichia coli. Webb RB, et al. Photochem Photobiol 12:457-68, Dec 70
Oxygen dependence and repair of lethal effects of near ultraviolet and visible light. Webb RB, et al. Photochem Photobiol 12:283-9, Oct 70
Differential, lethal and mutagenic action of 254nm and 320-400nm radiation on semi-dried bacteria. Webb SJ, et al. Photochem Photobiol 12:119-43, Aug 70
Qualitative and quantitative features of the clear day terrestrial solar ultraviolet radiation environment. McCullough EC. Phys Med Biol 15:723-34, Oct 70
Thermoluminescence response of 7L:F to ultra-violet light. Mason EW. Phys Med Biol 16:303-10, Apr 71
The effect of ultraviolet light on developing eggs of Lymnaea stagnalis (Mollusca, Pulmonata). IV. The interference of irradiations with morphogenesis. Labordus V. Proc K Ned Akad Wet [Biol Med] 73:477-93, 1970
Mutation and recombination of bacteriophage lambda: effect of ultraviolet radiation. Miura A, et al. Proc Nati Acad Sci USA 67:1722-6, Dec 70
Reactivation of heated vaccinia virus by UV-irradiated vaccinia virus. Dunlap RC, et al. Proc Soc Exp Biol Med 136:1-5, Jan 71
A comparison of the sensitivity to ultraviolet light of mouse L cells and mouse bone marrow cells assayed in vitro. Chiu S, et al. Radiat Res 47:110-22, Jul 71
Photoreversal of ultraviolet-induced division delay in Saccharomyces cerevisiae. Goodin LJ, et al. Radiat Res 45:440-8, Feb 71
Strain sensitivity of silkworm eggs to killing and mutation by ultraviolet light. Murakami A. Radiat Res 44:146-53, Oct 70
Immunological detection of thymidine photoproduct formation in vivo. Natali PG, et al. Radiat Res 46:506-18, Jun 71
Repair replication in diploid and aneuploid human cells. Normal replication of repaired DNA after ultraviolet irradiation. Painter RB, et al. Radiat Res 44:133-45, Oct 70
Age correlated sensitivity to ultraviolet radiation in Paramecium. Smith-Sonneborn J. Radiat Res 46:64-9, Apr 71
Essays on immunization of mice with ultraviolet radiated virulent and aviruient culture forms of Trypanosoma cruzi. Meneses H. Rev Inst Med Trop Sao Paulo 12:310-9, Sep-Oct 70
Chromatid breakage: cytosine arabinoside-induced lesions inhibited by ultraviolet irradiation. Benedict WF, et al. Science 171:680-2, 19 Feb 71
Ultraviolet light: a new stimulus for the induction of platelet aggregation. Dickson RC, et al. Science 172:1140-2, 11 Jun 71
Ultraviolet absorption in lenses. Kennedy D, et al. Science 173:654-5, 13 Aug 71
Sunlight ultraviolet and bacterial DNA base ratios. Singer CE, et al. Science 170:822-5, 20 Nov 70
DNA synthesis in differentiating skeletal muscle cells: initiation by ultraviolet light. Stockdale FE. Science 171:1145-7, 19 Mar 71
Eye lens color: formation and function. Zigman S. Science 171:807-9, 26 Feb 71
The effect of ultra-violet light on the toxicity and the enzymatic and antigenic activities of snake venom. Tejasen P, et al. Toxicon 8:225-33, Sep 70
Loss of the capacity of UV-irradiated Escherichia coli B-r to grow T4D. Boyle JM, et al. Virology 44:37-45, Apr 71
Ultraviolet reactivation and ultraviolet mutagenesis of lambda in different genetic systems. Defais M, et al. Virology 43:495-503, Feb 71
Phenomenological theory of repair kinetics of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ultraviolet irradiated Lambda phage. Fornili SL, et al. Virology 43:422-6, Feb 71
Inactivation of avian sarcoma viruses with UV light: a difference between helper-dependent and helper-independent strains. Friis RR. Virology 43:521-3, Feb 71
Inactivation of murine sarcoma and leukemia viruses by ultra-violet irradiation. Kelloff G, et al. Virology 42:1133-5, Dec 70
UV-reactivation of bacteriophage lambda in excision repair-deficient hosts: independence of red functions and attachment regions. Radman M, et al. Virology 43:504-6, Feb 71
[Chemical modification of viral ribonucleic acid. IX. The effect of ultraviolet irradiation on TMV-RNA and other polynucleotides. Singer B. Virology 45:101-7, Jul 71
The sparing effect of UV- and X-ray-fractionation in starved diploid yeast. Kiefer J. Z Naturforsch [B] 26:129-33, Feb 71
Advanced initiation of synchronous mitoses in physarum polycephalum following UV-irradiation. Sachsenmaier W, et al. Z Naturforsch [B] 25:866-71, Aug 70
Ultraviolet irradiation on nitrogen fixing bacteria and determination of the inhibition and inhibition constant. Bahadur K, et al. Zentralbl Bakteriol [Naturwiss] 124:493-7, 1970
[Modifications of the technic for characterization of catecholamines in U.V. light on lyophylized tissues] Leonardelli J, et al. Ann Histochim 15:35-45, Jan-Mar 70 (Fre)
[Genetic recombination and "lex" function in UV reactivation and mutagenesis of phage lambda] Fauquet P, et al. Arch Int Physiol Biochim 78:586-8, Aug 70 (Fre)
[On the sensitivity of defective bacteriocinogenic bacteria to ultraviolet rays] Hamon Y, et al. Arch Roum Pathol Exp Microbiol 28:1069-2, Dec 69 (Fre)
[Comparative study of the lethal and mutagenic action of chemical agents and radiations on the MS2 bacteriophage and its infectious RNA] Krivisky AS, et al. Arch Roum Pathol Exp Microbiol 28:866-76, Dec 69 (Fre)
[Photochemistry of polynucleotides. IV. Photochemistry of some methylated purinenucleosides] Pochon F, et al. Biochim Biophys Acta 213:273-81, 8 Aug 70 (Fre)
[Electron microscopy study of the 1st stages of infection of monkey kidney cells (Rhesus resus) by SV40 virus irradiated by ultraviolet or gamma rays] Ferreira-Salgado MA. Bull Cancer (Paris) 55:399-412, Jul-Sep 68 (Fre)
[Effect of blocking of protein biosynthesis on bacterial radiosensitivity] Mansur E, et al. C R Acad Sci [D] (Paris) 273:250-2, 12 Jul 71 (Fre)
[Action of ultraviolet irradiation on gastric transit: study by 2 different methods] Dumas J, et al. C R Soc Biol (Paris) 164:1735-8, 1970 (Fre)
[Possibilities for the use of UV-sensitive reagents in the luminescence histochemistry of lipids. II. Analysis of unsaturated lipids] Tchacarof E, et al. Mikroskopie 27:24-31, Apr 71 (Fre)
[Antimicrobial activity of Remanex and its components on an actinomyces (Streptomyces sp.) irradiated and non-irradiated with ultraviolet rays] Poulin JM, et al. Mykosen 13:543-9, 1 Nov 70 (Fre)
[Electroretinogram of a frog exposed to ultraviolet light of about 366nm] Berger H, et al. Acta Biol Med Ger 25:243-50, 1970 (Ger)
[The effect of ultraviolet radiation upon the visual organ of man] Mlíová A, et al. Albrecht von Graefes Arch Klin Ophthalmol 181:25-30, 1970 (Ger)
[In vitro irradiation of embryonic hamster fibroblasts with UV of 280 nm wave length] Buder E, et al. Arch Geschwulstforsch 36:335-8, 1970 (Ger)
[Survival time of bacteria on surfaces and possibilities of its modification. I. The effect of various light conditions and preceding disinfection using conventional materials] Gundermann KO, et al. Arch Hyg Bakteriol 154:102-9, Oct 70 (Ger)
[Polyhydroxyaurones. 3. Systematic characterization by UV-spectroscopy and thin layer chromatography] Huke M, et al. Arch Pharm (Weinheim) 302:401-22, Jun 69 (Ger)
[The dependence of the photosensitivity of animo acids on their micro-environment] Dose K, et al. Biophysik 7:140-5, 1971 (Ger)
[Acceleration of the ultra-violet provoked lipid peroxidation of human surface fat by means of anti-psoriatic substances] Meffert H, et al. Dermatol Monatsschr 156:771-5, Aug 70 (Ger)
[Behavior of different microsomal drug oxidations following inactivation of cytochrome P-450 by UV-irradiation or deoxycholate treatment] Uehleke H, et al. Hoppe Seylers Z Physiol Chem 351:1475-84, Dec 70 (Ger)
[Effect of artificial ultraviolet radiation on cattle (a critical consideration of past experiences)] Steiger A, et al. Monatsh Vet Med 24:926-9, 15 Dec 69 (Ger)
[Inhibition of germination and growth of Trichophyton verrucosum by repeated illumination] Buchnaček J. Mykosen 12:321-8, 1 May 69 (Ger)
[UV-spectrophotometry in drug control. 10. Influence of the substitution and of the solvent on the UV-spectrophotometric behavior of drugs with naphthaline-chromophor] Krčmar J, et al. Pharmazie 26:155-62, Mar 71 (Ger)
[Physical, chemical and molecular-biology processes in ultraviolet irradiation of biological objects] Fahr E. Strahlentherapie 141:718-27, Jun 71 (90 ref.) (Ger)
[Repair of ultraviolet injury following irradiation of bacteria in a vacuum] Horneck G, et al. Strahlentherapie 141:732-7, Jun 71 (Ger)
[Significance of regeneration in light-induced skin injuries. Etiology and differentiation of xeroderma pigmentosum] Jung EG, et al. Strahlentherapie 141:738-44, Jun 71 (Ger)
[UV-irradiation measurement by the resistant method. IV. Intensity of UV-irradiation on apt surfaces in comparison with total-body UV-irradiation. Loss of irradiation through the degree of the horizon] Lotmar R. Strahlentherapie 139:750-9, Jun 70 (Ger)
[Light-protective effect of 5-fluoro-uracil] Tronnier H. Strahlentherapie 141:748-51, Jun 71 (Ger)
[Pharmacological protection against light rays through elements of nucleic acids in animal experiments] Wiskemann A. Strahlentherapie 141:752-5, Jun 71 (Ger)
[DNA alteration caused by sensitized and non-sensitized long-wave UV irradiation] Zierenberg BE, et al. Strahlentherapie 141:728-31, Jun 71 (Ger)
[The effect of the repair capacity of UV-irradiated cells on their lysogenicity] Scherneck S, et al. Z Allg Mikrobiol 10:637-45, 1970 (Ger)
[UV-induced strand breaks in 5-bromouracil substituted DNA of phage T1] Stephan G, et al. Z Naturforsch [B] 25:1037-42, Sep 70 (Ger)
[Bacteriological examinations for disinfecting drinking water of ships by means of ultraviolet irradiation. I] Müller G, et al. Zentralbl Bakteriol [Orig] 215:555-62, 1970 (Ger)
[Photoreactivation of UV-inactivated forms of Aujeszky's and Newcastle virus (NDV)] Dilovski M. Zentralbl Veterinaermed [B] 17:848-54, Sep 70 (Ger)
Sterilization using ultraviolet rays in dental practice] Ryguschik G. ZWR 80:562-5, 25 Jun 71 (Ger)
[On the production of SV40 in heterokaryons caused by fusion of sensitive cells with transformed cell exposed to UV irradiation] Monti-Bragadin C, et al. Boll Soc Ital Biol Sper 46:565-9, 30 Jun 70 (Ita)
[Some critico-evaluative considerations on the relations between the epidermal SH-groups, ultraviolet rays and epithelial tumors] Caccialanza P, et al. G Ital Dermatol 45:562-3, Oct 70 (Ita)
[Protective effect of cis-urocanic acid eye-drops to the ocular inflammation induced by the ultra-violet radiation] Matsui M. Acta Soc Ophthalmol Jap 74:1469-93, Nov 70 (Jap)
[Study on the effect of so-called ultra violet ray proof contact lenses on visual function] Yamaji R, et al. Folia Ophthalmol Jap 22:45-52, Jun 71 (Jap)
[Effect of interferon on the induction of moderate lambda bacteriophage induced by UV rays] Kolobov AV, et al. Antibiotiki 16:67-72, Jan 71 (Rus)
[Existence in irradiated proteins of latent unregistered centers responsible for the formation of peroxide and cystine EPR signals] Aripova DF, et al. Biofizika 16:146-52, Jan-Feb 71 (Rus)
[UV-radiation effect on mouse blood hemoglobin] Artiukhov VG. Biofizika 14:189-91, Jan-Feb 69 (Rus)
[Mechanism of the stimulating effect of ultraviolet rays on incubated hen's eggs] Barabol VA, et al. Biofizika 14:130-4, Jan-Feb 69 (Rus)
[Stimulation of Chlorella pyrenoidosa growth under continuous ultraviolet irradiation of low intensity] Brandt AB, et al. Biofizika 16:732-4, Jul-Aug 71 (Rus)
[Photosensitized formation of free radicals in the peptide group] Il'iasova VB, et al. Biofizika 16:11-8, Jan-Feb 71 (Rus)
[Thermoluminescence of nucleic acid bases] Jelinek O, et al. Biofizika 14:590-6, Jul-Aug 69 (Rus)
[Application of the model of 2 classes of tryptophan residues to the interpretation of data on the ultraviolet fluorescence of cells] Ostashevskiĭ IIa. Biofizika 16:609-14, Jul-Aug 71 (Rus)
[Low temperature luminescence of thiamine and some of its derivatives] Razumovich AN, et al. Biofizika 14:597-601, Jul-Aug 69 (Rus)
[Spectral sensitivity of the cornea to ultraviolet radiation] Sherashov SG. Biofizika 15:543-4, May-Jun 70 (Rus)
[Mechanism of ultraviolet radiation effects on proteins] Vladimirov IuA, et al. Biofizika 15:254-64, Mar-Apr 70 (89 ref.) (Rus)
[Acridine dyes as efficient regulators of photochemical reactions in nucleic acids] Zavil'gel'skiĭ GB, et al. Biofizika 14:34-42, Jan-Feb 69 (Rus)
[Induced F-1-lac+ factor mutants in E. coli K-12] Pekhov AP, et al. Biull Eksp Biol Med 63:130-3, Nov 67 (Rus)
[A factor increasing the ultraviolet fluorescence of bone marrow cells upon local irradiation of the body] Safronova VG. Biull Eksp Biol Med 66:52-5, Nov 68 (Rus)
[Changes in the azimuthal characteristics of polarized ultraviolet fluorescence of individual muscle fibers during stretching and contraction] Borovikov IuS, et al. Dokl Akad Nauk SSSR 196:962-4, 1 Feb 71 (Rus)
[Use of a marker in the induction of mutants of Bacterium paracoli with changed DNA composition] Gauze GF, et al. Dokl Akad Nauk SSSR 195:1446-9, 1970 (Rus)
[Increase in ribonuclease activity in cells treated with ultraviolet rays] Gendon IuZ, et al. Dokl Akad Nauk SSSR 187:1178-80, 11 Aug 69 (Rus)
[Separation of photolysis products of ribonuclease by gel filtration] Komolova GS, et al. Dokl Akad Nauk SSSR 191:228-30, Mar-Apr 70 (Rus)
[Accuracy of the work of Micrococcus lysodeikticus endonuclease, participitating in the splitting-out of pyrimidine base dimers from DNA] Paribok VP, et al. Dokl Akad Nauk SSSR 195:489-92, 1970 (Rus)
[Polarized ultraviolet fluorescence of individual muscle fibers] Rozanov IuM, et al. Dokl Akad Nauk SSSR 197:212-5, 1 Mar 71 (Rus)
[Effect of caffeine on multiple reactivation and cross-reactivation of vaccinia virus] Sitnikov BS, et al. Dokl Akad Nauk SSSR 188:924-5, Oct 69 (Rus)
[Effect of adenosine triphosphoric acid on cytoplasm movement in plant cells undergoing ultraviolet irradiation] Tageeva SV, et al. Dokl Akad Nauk SSSR 186:711-3, May 69 (Rus)
[DNA methylation and pyocin induction in Pseudomonas aeruginosa UV cells] Vaniushin BF, et al. Dokl Akad Nauk SSSR 193:215-8, Jul-Aug 70 (Rus)
[Mechanism of photochemical synthesis of amino acids during the action of UV-rays on a solution of formaldehyde and ammonium salts] Niskanen RA, et al. Izv Akad Nauk SSSR [Biol] 2:238-45, Mar-Apr 71 (Rus)
[Mechanism of action of UV-rays on the metabolism of amino acids and organic acids in the fungus Botrytis cinerea Pers] Zemlianukhin AA, et al. Izv Akad Nauk SSSR [Biol] 2:232-7, Mar-Apr 71 (Rus)
[Sensitivity of the right and left forms of Bacillus mycoides Flügge to UV irradiation] Kasinova GV, et al. Mikrobiologiia 38:1062-7, Nov-Dec 69 (Rus)
[Effect of some mutagenic factors on the formation of pigments by actinomycetes of the red-orange group] Krasil'nikov NA, et al. Mikrobiologiia 38:604-8, Jul-Aug 69 (Rus)
[Pigmented mutant types of Nadsoniella nigra and effectiveness of radiomutagens] Liakh SP, et al. Mikrobiologiia 38:663-6, Jul-Aug 69 (Rus)
[Mutants of Candida guilliermondii with damage to various groups in the biosynthesis of inosinic and adenylic acids] Shavlovskiĭ GM, et al. Mikrobiologiia 40:76-82, Jan-Feb 71 (Rus)
[Electron microscopic study of the fine structure and intracellular development of defective phage D52 in Proteus mirabilis cells] Tikhonenko AS, et al. Mikrobiologiia 40:128-32, Jan-Feb 71 (Rus)
[Some properties of induced mutants of Pseudomonas caudatus] Voikova LP, et al. Mikrobiologiia 40:342-8, Mar-Apr 71 (Rus)
[Mutagenic and bactericidal action of ultraviolet rays on Mycobacterium tuberculosis] Rudoĭ NM. Probl Tuberk 48:68-72, 1970 (Rus)
[Mechanism of the protective effect of ultraviolet-irradiation of ducks during x-radiation] Buturlakin MS. Radiobiologiia 10:925-7, Nov-Dec 70 (Rus)
[Effect of gamma-irradiation and ultraviolet light on polynucleotide phosphorylase activity in lysogenic and non-lysogenic strains of E. coli] Guberniev MA, et al. Radiobiologiia 11:170-3, Mar-Apr 71 (Rus)
[Ultraviolet induction of colicin EI synthesis and reparation of ultraviolet damage in E. coli] Likhoded VG, et al. Radiobiologiia 9:733-6, Sep-Oct 69 (Rus)
[Simultaneous effect of Escherichia coli B and Escherichia coli BS-1 on the viability of bacteriophage T1 subjected to ultraviolet irradiation within a cellular host ("lawn effect")] Mosin AF, et al. Radiobiologiia 9:782-3, Sep-Oct 69 (Rus)
[Study of the kinetics and mechanisms of inactivation of the enzymes of the fungus Botrytis cinerea Pers with UV-rays] Zemlianukhin AA, et al. Radiobiologiia 10:728-31, Sep-Oct 70 (Rus)
[Inactivation of various groups of viruses by irradiation with a PRK-2 lamp] Zubareva LA. Sov Zdravookhr Kirg 3:35-9, May-Jun 70 (Rus)
[Changes in the rat blood serum proteins after ultraviolet irradiation of the oral mucous membrane] Tiupenko GI. Stomatologiia (Mosk) 49:14-6, Nov-Dec 70 (Rus)
[Resistance of the corneal epithelium to UV radiation] Genter EI. Tsitologiia 13:206-11, Feb 71 (Rus)
[Repair of lethal damage to Escherichia coli and coliphages during the photodynamic action of Acridine Orange] Janovska E, et al. Tsitologiia 12:1562-9, Dec 70 (Rus)
[Change in the sensitivity to ultraviolet rays during embryogenesis in Drosophila] Levin VL. Tsitologiia 13:212-20, Feb 71 (Rus)
[Unscheduled DNA synthesis and repair of HeLa Zh-63

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cells sublethally damaged by irradiation] Paribok VP, et al. Tsitologiia 12:1423-32, 1970 (Rus)
[Polarized ultraviolet fluorescence of muscle fibers and some other anisotropic cytological objects] Rozanov IuM, et al.
Tsitologiia 13:190-200, Feb 71 (Rus)
[Kinetic study of ultra-violet radiation effect on the oxyhemoglobin structure in mice] Artiukhov VG, et al. Ukr Biokhim Zh 42:624-30, 1970 (Rus)
[Effect of ultraviolet rays on DNA biosynthesis in bone marrow cells] Bogutskif BV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 36:52-4, 1971 (Rus)
[Effect of ultraviolet irradiation on skin hexokinase activity] Smirnova MG.
Vopr Med Khim 17:145-8, Mar-Apr 71 (Rus)
[Reactivation of Shigella sonnei following UV radiation] Cherevatyf VS.
Zh Mikrobiol Epidemiol Immunobiol 48:81-3, Jun 71 (Rus)
[The influence of acriflavin and caffeine on UV-reactivation and induced mutagenesis in phi-chi-174 phage] Likhacheva NA.
Zh Mikrobiol Epidemiol Immunobiol 47:78-82, Feb 70 (Rus)
[Inactivation of bacteriophage d-phi-4 infectious DNA with ultraviolet rays and its protection with acridine dyes] Roinishvili ES.
Zh Mikrobiol Epidemiol Immunobiol 47:133-7, Aug 70 (Rus)
[Sterilization of plastic materials by ultraviolet radiation] Ventín M.
Microbiol Esp 23:73-105, Apr-Jun 70 (Spa)
[Purification of mussels (Mytilus edulis) by ultraviolet radiation (anatomy and physiology of mussels in relation to this type of purification)] Daporta González J.
Rev Sanid Hig Publica (Madr) 44:795-809, Jul 70 (Spa)
[UV spectra of absorption of some pharmaceutical preparations, derivatives of aminophenols and their quantitative determination] Koval'chuk TV.
Farm Zh 25:29-33, 1970 (Ukr)
[Quantitative determination of prednisone and prednisolone the method of UV-spectrophotometry] Kovalenko LI, et al. Farm Zh 25:78-9, 1970 (Ukr)
[Radiation effects on animals irradiated with ultraviolet rays] Isaenko VI.
Fiziol Zh 16:681-4, Sep-Oct 70 (Ukr)
[The effect of ultraviolet light on X-virus accumulation in potato seedlings] Anokhin VM.
Mikrobiol Zh 31:351-6, Jul-Sep 69 (Ukr)
[Methionine-deficit mutants of Aerobacter aerogenes isolated under the effect of ethacidine and ultraviolet radiation] Sudenko VI.
Mikrobiol Zh 32:640-2, Sep-Oct 70 (Ukr)
[Change in aminotransferase activity in blood and skin of calves with UV radiation] Golovach VN, et al.
Ukr Biokhim Zh 42:775-8, 1970 (Ukr)

ADVERSE EFFECTS

Ultraviolet light inflammation and C-reactive protein in a case of agranulocytosis with erysipelas. Kindmark CO, et al. Acta Derm Venereol (Stockh) 51:210-4, 1971
Cutaneous thermometry for topical therapy evaluation of U. V. erythema in the guinea-pig. Lambelin G, et al.
Arzneim Forsch 21:44-7, Jan 71
Ultraviolet wavelength factors in solar radiation and skin cancer. Freeman RG, et al.
Int J Dermatol 9:232-5, Jul-Sep 70
Can long time exposure to "black light" radiation cause damage to the human eye? Gumpelmayer TF.
J Am Optom Assoc 42:74-7, Jan 71
Protection of skin from germicidal ultraviolet radiation in the operating room by topical chemicals. Parrish JA, et al. N Engl J Med 284:1257-8, 3 Jun 71
[Pigmented xerodermoid. A defect of recombinational recovery following UV-injuries] Jung EG.
Arch Dermatol Forsch 241:33-43, 1971 (Ger)
[Sensitivity of mammalian cells to ultraviolet rays in vitro] Buder E, et al.
Arch Geschwulstforsch 33:319-30, 1969 (Ger)
["What is Rottiers' 250 nm UV-erythema-theory?"] Rottier PB.
Arch Klin Exp Dermatol 239:148-9, 1970 (Ger)
[Skin cancer from sunlight] Gartmann H.
Dtsch Med Wochenschr 96:563-4, 26 Mar 71 (Ger)
[Studies on the effect of flavonoids on ultraviolet erythema in pigs] Kment A, et al.
Z Tierphysiol 23:159-68, Dec 67 (Ger)

ANALYSIS

Low dose ferrous sulfate dosimetry by direct photon counting. Waggener RG, et al.
Radiat Res 45:244-51, Feb 71

DIAGNOSTIC USE

Ultraviolet autofluorescence. An aid in oral diagnosis. Bergenholtz A, et al.
Dent Radiogr Photogr 43:83-90, 1970
Use of ultraviolet illumination in oral diagnosis. Hefferren JJ, et al. J Am Dent Assoc 82:1353-60, Jun 71

THERAPEUTIC USE

[Treatment of certain chronic dermatoses with hypererythemic doses of ultraviolet rays] Evdokimov PE. Vestn Dermatol Venerol 44:74-5, Jul 70 (Rus)

ULTRAVIOLET THERAPY (E2)

Serum immunoglobulins in psoriasis before and after ultra violet light therapy. Varelzidis A, et al.
Br J Dermatol 85:14-7, Jul 71
Ultraviolet irradiation as a protective measure for chickens exposed to Newcastle disease virus. Perek M, et al. Poult Sci 49:1742-4, Nov 70
[Studies on the effect of intraoral ultraviolet irradiation on the blood supply of diseased and healthy periodontium] Paepke H.
Arch Phys Ther (Leipz) 22:347-53, Nov-Dec 70 (Ger)
[Short-term ultraviolet irradiation for the treatment of scalds as well as badly healing wounds in childhood] Schmitz EJ. Kinderaerztl Prax 37:408-13, Sep 69 (Ger)
[Relations between properdin and tumor resistance] Pfordte K. Z Gesamte Hyg 16:450-8, 1 Jun 70 (Ger)
[Our experience on neonatal icterus] Bini PL, et al.
Minerva Pediatr 22:2488-91, 15 Dec 70 (Ita)
[Serious neonatal icterus treated with phototherapy] Bini PL, et al.
Minerva Pediatr 22:2485-7, 15 Dec 70 (Ita)
[Phototherapy of icterus neonatorum by a new method] Gobbi U, et al.
Minerva Pediatr 21:2058-9, 3 Nov 69 (Ita)
[Ultraviolet rays in the prevention of dental caries] Pini Prato G, et al.
Riv Clin Pediatr 82:259-67, Oct-Dec 69 (Ita)
[Phototherapy in hyperbilirubinemias of premature infants] Vecchi C, et al.
Riv Clin Pediatr 82:349-59, Oct-Dec 69 (Ita)
[The effect of preliminary ultraviolet irradiation on the colloid-protective properties of blood and their relationship to protein complexes in experimental atherosclerosis] Guz SIa, et al.
Biull Eksp Biol Med 65:46-9, 1968 (Rus)
[Prophylactic ultraviolet irradiation of preschool children of Moscow] Andrianova AI.
Gig Sanit 35:30-3, Oct 70 (Rus)
[Ultraviolet regime in covered courts in the far north] Iatmanov NO. Gig Sanit 35:17-20, Oct 70 (Rus)
[Ultraviolet irradiation after tonsillectomy] Ivanov FN, et al. Voen Med Zh 11:62-3, Nov 70 (Rus)
[Skin temperature reactions in healthy persons and patients with eczema under the action of a segmented UHF electric field and ultraviolet irradiation of the cervical sympathetic ganglia] Khenven ML.
Vopr Kurortol Fizioter Lech Fiz Kult 35:547-9, Nov-Dec 70 (Rus)
[Change in the thyroid gland function of patients with rheumatoid arthritis treated with long-wave ultraviolet radiation] Stanchinskaia VG.
Vopr Kurortol Fizioter Lech Fiz Kult 35:418-20, Sep-Oct 70 (Rus)
[Various characteristics of irradiated tumor cells and their progeny] Dubrovskaia VF.
Vopr Onkol 17:77-81, 1971 (Rus)
[Histochemical and morphological changes in the palatine tonsils after ultraviolet irradiation] Tkachenko VN.
Zh Ushn Nos Gorl Bolezn 30:38-43, Mar-Apr 70 (Rus)

ADVERSE EFFECTS

[Enzymohistochemic picture of the liver and phototherapy] Quazza GF, et al.
Minerva Pediatr 21:1233-41, 7 Jul 69 (Ita)

INSTRUMENTATION

[Hygienic evaluation of short- and long-wave ultraviolet radiation according to their biological actions] Generalov AA. Gig Sanit 36:36-8, 1971 (Rus)
[Use in physiotherapy of new sources of radiation in the optical spectral band] Lavrova RG.
Nov Med Priborostr 3:52-6, 1969 (Rus)
[Experience in the use of the OKUF-5 apparatus for treatment of some gynecologic diseases] Strugatskif VM. Nov Med Priborostr 3:70-1, 1967 (Rus)
[New ultraviolet irradiators for phototherapy] Uskova GV, et al. Nov Med Priborostr 3:57-60, 1969 (Rus)

UMBILICAL ARTERIES (A7, A10)

Umbilical vessel catheterization. Egan EA 2d, et al.
Am J Dis Child 121:213-8, Mar 71
Roentgenologic features of umbilical vascular catheterization in the newborn. Campbell RE.
Am J Roentgenol Radium Ther Nucl Med 112:68-76, May 71
The arterial sampling for assessment of PaO2, PaCO2, acid-base balance, etc. Couchard M, et al.
Biol Neonate 16:74-80, 1970
Umbilical catheterization: its complications. Anatomical study. Larroche JC.
Biol Neonate 16:101-16, 1970
Effect of cooling on blood gas tensions in neonates. Kattwinkel J. J Pediatr 77:921-2, Nov 70
Contamination of umbilical catheters in the newborn infant. Krauss AN, et al. J Pediatr 77:965-9, Dec 70
Umbilical arteritis and phlebitis with scrotal abscess and peritonitis. Dinari G, et al.
J Pediatr Surg 6:176, Apr 71
PO2, PCO2 and pH levels in the umbilical and uterine blood of the mare and ewe. Comline RS, et al.
J Physiol (Lond) 209:587-606, Aug 70
[Administration of oxygen to newborns] Mettau JW, et al. Maandschr Kindergeneeskd 39:115-22, May 71 (Dut)
[Umbilical catheterization. Technic, indications and results. II. Arterial catheterization] Couchard M.
Arch Fr Pediatr 27:905-16, Nov 70 (Fre)
[Microcatheterization by umbilical route in newborn infants] Willard D, et al.
Presse Med 79:1498, 3 Jul 71 (Fre)
[Hazards of injections in the umbilical artery of the asphyctic newborn infant] Heyer R, et al.
Arch Kinderheilkd 183:43-50, May 71 (Ger)
[Method of recording blood pressure in the umbilical arteries of guinea pig fetuses with placental blood circulation] Davitaia MD, et al.
Biull Eksp Biol Med 71:119-20, May 71 (Rus)

ABNORMALITIES

The absence of one umbilical artery in malformed MZ twins. Sipka J, et al.
Acta Genet Med Gemellol (Roma) 19:567-75, Oct 70
Monoamniotic twins. A case with vessel anomaly in one twin's umbilical cord. Moestrup JK.
Acta Obstet Gynecol Scand 49:85-7, 1970
Genesis of single umbilical artery. Monie IW.
Am J Obstet Gynecol 108:460-5, 1 Oct 70
[Single umbilical artery syndrome] Brunel G.
Bull Fed Soc Gynecol Obstet Lang Fr 21:299-302, Jun-Aug 69 (Fre)
[Non-traumatic paralysis of the brachial plexus and solitary umbilical artery] Richon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:546-8, Nov-Dec 70 (Fre)
[Unique umbilical artery: apropos of 54 cases] Muller G, et al.
Bull Soc R Belge Gynecol Obstet 39:333-47, Jul-Aug 69 (Fre)
[Significance of the lack of an artery in the umbilical cord--a prospective endemiologic study] Cederqvist L. Acta Obstet Gynecol Scand 49:113-7, 1970 (Ger)
[Hydronephrosis due to persistent umbilical artery in children] Galica-Zarembina E.
Z Urol Nephrol 63:621-6, Aug 70 (Ger)

CYTOLOGY

[Structure of the umbilical artery (distal stomach wall section) in premature and neonatal human embryos] Kreutz W, et al.
Z Mikrosk Anat Forsch 83:413-22, 1971 (Ger)

DRUG EFFECTS

Effect of tyramine on human umbilical artery in vitro. Gulati OD, et al. Br J Pharmacol 42:155-8, May 71
The pharmacology of isolated sheep umbilical cord blood vessels. Dyer DC.
J Pharmacol Exp Ther 175:565-70, Dec 70
An investigation of the mechanism of potentiation by cocaine of responses to serotonin in sheep umbilical blood vessels. Dyer DC.
J Pharmacol Exp Ther 175:571-6, Dec 70

INNERVATION

Innervation of the umbilical vessels. Electron microscopic studies on the guinea-pig. Hülsemann M.
Z Zellforsch Mikrosk Anat 120:137-50, 1971
Adrenergic innervation of the umbilical vessels. Light- and fluorescence microscopic studies. Lachenmayer L. Z Zellforsch Mikrosk Anat 129:129-36, 1971

PHYSIOLOGY

Umbilical blood flow and fetal oxygen consumption. Brinkman CR 3d. Clin Obstet Gynecol 13:565-78, Sep 70
Ligation of one umbilical artery in the fetal lamb; experimental production of fetal malnutrition. Hobel CJ, et al. Obstet Gynecol 36:582-8, Oct 70

SURGERY

Catheterization of umbilical vessels in newborn infants. Kitterman JA, et al.
Pediatr Clin North Am 17:895-912, Nov 70 (45 ref.)

UMBILICAL CORD (A10)

Leukocytic infiltration of the umbilical cord in twins. Thiery M, et al.
Acta Genet Med Gemellol (Roma) 19:92-5, Jan-Apr 70
Treatment of the umbilical cord of the newborn. Tötterman LE, et al.
Acta Obstet Gynecol Scand 49:57-9, 1970
Perinatal asphyxia and residual placental blood

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

volume. Fiod NE, et al.
Acta Paediatr Scand 60:433-6, Jul 71
Creatine kinase in umbilical cord blood. Kelly S, et al.
Am J Clin Pathol 54:818-9, Dec 70
Umbilical cord blood lead concentration. Relationship to urban or suburban residency during gestation. Scanlon J. Am J Dis Child 121:325-6, Apr 71
Haemangioma of the umbilical cord. Jakobovits A, et al.
Ann Chir Gynaecol Fenn 59:159-61, 1970
Histamine and granulocytes in the umbilical cord blood of infants at birth. Mitchell RG, et al.
Br J Pharmacol 40:310-6, Oct 70
Hemopexin in cord blood. Weippl G, et al.
Clin Chim Acta 29:338, Aug 70
Free aminoacids and alpha-aminoacid nitrogen in cord and maternal sera at delivery and in nonpregnant women. Shah PM, et al.
Indian J Pediatr 37:599-608, Dec 70
An assessment of techniques suitable for the diagnosis of sickle-cell disease and haemoglobin C disease in cord blood samples. Yaswon GI, et al.
J Clin Pathol 23:533-7, Sep 70
The use of the cord blood sample for the detection of sickle-cell anaemia in the newborn. Metters JS, et al.
J Obstet Gynaecol Br Commonw 77:935-8, Oct 70
Observations on fetal heart rate and fetal biochemistry. 3. Base deficit of umbilical cord blood. Khazin AF, et al. J Pediatr 79:406-12, Sep 71
Cord IgM levels in Latin American neonates. Lechtig A, et al. J Pediatr 78:909-10, May 71
Let the cord bleed. Beard R, et al.
Med J Aust 1:1295, 12 Jun 71
Neonatal familial type II hyperlipoproteinemia: cord blood cholesterol in 1800 births. Glueck CJ, et al.
Metabolism 20:597-608, Jun 71
Prolapse of the umbilical cord. Savage EW, et al.
Obstet Gynecol 36:502-9, Oct 70
Prolapse of the umbilical cord. Mphahlele M.
S Afr Med J 44:1318-20, 21 Nov 70
[Cavernous and capillary hemangiomas of the umbilical cord] Zeman V, et al.
Cesk Pediatr 25:603-5, Dec 70 (Cze)
[IgA and IgM immunoglobulins in umbilical cord blood. Attempt at interpretation in 500 cases] Cattelain C, et al. Ann Pediatr (Paris) 18:216-23, 2 Mar 71 (Fre)
[Normal values and distribution of hemoglobin F in umbilical cord blood] Weippl G, et al.
Blut 23:39-41, Jul 71 (Ger)
[Viscosity measures in umbilical cord blood] Vogtmann C. Kinderaerztl Prax 38:340-5, Aug 70 (Ger)
[Control of postnatal period by umbilical cord traction] Becher R. Med Klin 63:1516-7, 20 Sep 68 (Ger)
[Condition of body temperature of newborn infants after early and late omphalotomy] Kovács L, et al.
Z Geburtshilfe Gynaekol 171:323-9, Dec 69 (Ger)
[Early and late omphalotomy. Its effect on acid-base ratio and actual carbon dioxide partial pressure in the newborn infant during the first hours of life] Künzel W, et al.
Z Geburtshilfe Gynaekol 171:309-22, Dec 69 (Ger)
[Plasma-11-hydroxycorticosteroids in mothers, in the umbilical cord blood and in the newborn during the 1st 5 days of life] Pichler E, et al.
Z Kinderheilkd 108:314-24, 1970 (Ger)
[Influence of umbilical cord coilings on the actual pH of the fetus and the Apgar score of the newborn infant] Arto-Medrano F, et al.
Zentralbl Gynaekol 93:433-40, 3 Apr 71 (Ger)
[Intrauterine fetal death due to strangulation of the umbilical cord by an amnionic thread] Linz O.
Zentralbl Gynaekol 92:684-7, 23 May 70 (Ger)
[Effect of the unclamped umbilical cord on the feto-maternal microtransfusion] Wein N, et al.
Zentralbl Gynaekol 92:1113-7, 22 Aug 70 (Ger)
[Sideremic rata in the umbilical cord of Sicilian newborn infants (preliminary study)] Ingiulla A, et al.
Haematologica 55:460-4, 1970 (Ita)
[Plasma and erythrocyte copper in maternal blood, umbilical cord and in the newborn during the 1st week of life, as related to the hemoglobin level. In toto determination of placental copper (statistical analysis of the results)] Nassi L, et al.
Pediatria (Napoli) 78:818-41, 1970 (Ita)
[Pharmacologic conduction of the 3d stage of labor with traction on the umbilical cord as a means of placenta evacuation] Brzózka J, et al.
Ginekol Pol 41:1351-4, 1970 (Pol)
[Polarographic studies of quantitative differences of serum proteins in the woman during labor and in the umbilical cord] Symonowicz N, et al.
Pediatr Pol 45:1095-8, Sep 70 (Pol)
[Serum acid mucopolysaccharides in women during labor and puerperium and in the umbilical-cord blood and placental tissue in full-term and prolonged pregnancy] Grudzień M.
Pol Tyg Lek 26:947-9, 21 Jun 71 (Pol)
[Effect of umbilical cord twisting around the neck on the psychophysical development of the child] Kenzhibaeva KA.
Vopr Okhr Materin Det 15:48-52, Oct 70 (Rus)
[Effect of placental transfusion on the dynamics of weight and several indices of kidney function in newborns] Tyl'kidzhi IuA.
Vopr Okhr Materin Det 16:47-51, Mar 71 (Rus)
[Free amino acids in umbilical cord blood] Cohen AL, et al. Arch Argent Pediatr 68:52-5, 1970 (Spa)
[Placental extraction in the 3d phase of labor by cord traction] Rosenzweig E.
Lijec Vjesn 92:483-91, 1970 (Cro)

ABNORMALITIES

The patent omphalomesenteric duct. Doscher C.
Ill Med J 139:493-6 passim, May 71
[Acute neonatal hemorrhagic anemia caused by umbilical cord hemorrhage] Korányi G.
Kinderaerztl Prax 37:217-9, May 69 (Ger)
[Acute neonatal anemia caused by velamentous insertion and injury of the umbilical cord] Toró A, et al. Orv Hetil 111:2964-5, 13 Dec 70 (Hun)
[Umbilical cord dystocia (clinico-statistical contribution)] Ragucci N, et al.
Minerva Ginecol 21:653-5, 31 May 69 (Ita)

ANALYSIS

Quantitative and qualitative studies on hexosamines of human umbilical cord tissue. Wosicki A.
Acta Med Pol 11:369-73, 1970
The isolation and properties of heparitin sulfate from human umbilical cord tissues. Cifonelli JA, et al.
Biochim Biophys Acta 215:273-9, 14 Aug 70
[The repercussion of congenital tocopherol deficiency on the incidence of neonatal jaundice] Gontzea I, et al.
Arch Fr Pediatr 27:733-41, 1970 (Fre)

BLOOD SUPPLY

Effects of simulated maternal hyperventilation on the umbilical vein. Berry FA Jr, et al.
Am J Obstet Gynecol 109:20-3, 1 Jan 71
The effect of labor and mode of delivery on immunoglobulin concentrations in the neonate. Yang SL, et al. Am J Obstet Gynecol 109:78-81, 1 Jan 71
The postnatal changes in the circulating free amino acid pool in the newborn infant. 3. The plasma amino acid ratio in infants born after pregnancies complicated by toxaemia, placental infarction, impaired umbilical circulation and chronic maternal diseases. Mestyán J, et al. Biol Neonate 17:272-84, 1971
Ruptured vasa praevia resulting in foetal haemorragic shock. O'Donnell JF, et al.
J Ir Med Assoc 64:247-8, 13 May 71
[On the concentration of maternal and funicular plasmatic cortisol as related to the age of the mother] Arrotta U, et al.
Atti Accad Med Lomb 23:369-71, Apr-Jun 68 (Ita)
[Coagulative differences of fetal blood collected from the funiculo-placental stump, by spontaneous flow of the umbilical vein, and the phenomenon of "escape" of platelets from the clot] Zanoner C.
Friuli Med 24:645-55, Nov-Dec 69 (Ita)
[Free amio acid cncentration in the placenta, umbilical cord blood and venous blood in women during premature labor] Pogorelova TN.
Vopr Med Khim 16:339-42, Jul-Aug 70 (Rus)

CYTOLOGY

Some electron microscope observations on the mesenchymal structures of full-term umbilical cord. Parry EW. J Anat 107:505-18, Nov 70
Some observations on the surface layer of full-term human umbilical cord epithelium. Parry EW, et al.
J Obstet Gynaecol Br Commonw 77:378-84, Oct 70

ENZYMOLOGY

Lactate dehydrogenase in labour. 3. Effect of pH on isoenzymes of placenta and related tissues. Dobryszycka W, et al.
Enzymologia 40:243-58, 30 Apr 71
[Histochemical distribution of various enzymes of steroidogenesis in the umbilical cord and in the human ovular membranes at term] Chiantera A, et al.
Riv Anat Patol Oncol 33:621-32, 1968 (Ita)
[Histochemical findings on various hydroxysteroid dehydrogenases in the umbilical cord and ovular membrane in hemolytic disease] Chiantera A, et al.
Riv Anat Patol Oncol 33:813-25, 1968 (Ita)

IMMUNOLOGY

The Sda blood group antigen in tissues and body fluids. Morton JA, et al. Vox Sang 19:472-82, Nov-Dec 70
[Quantitative determinations of immunoglobulins (IgA and IgM) in the serum of newborn infants following passive administration] Tympner KD, et al.
Monatsschr Kinderheilkd 117:601-4, Oct 69 (Ger)

METABOLISM

[Histochemistry of mucopolysaccharides of placenta and umbilical cord in rheumatic heart diseases] Beglarian AG, et al.
Akush Ginekol (Mosk) 46:75-6, May 70 (Rus)
[Polysaccharides in the umbilical cord of the astrakhan ewe] Kasamanly TIu.
Dokl Akad Nauk SSSR 191:957-9, 1970 (Rus)

PATHOLOGY

Unusual thickness of the fetal end of the umbilical cord. Howorka E, et al.
J Obstet Gynaecol Br Commonw 78:283, Mar 71
Leukocytic infiltration of the placenta and umbilical cord. A clinico-pathologic study. Fox H, et al.
Obstet Gynecol 37:451-8, Mar 71
[Pathology of umbilical cord tumors] Nieder J, et al.
Zentralbl Gynaekol 92:420-8, 4 Apr 70 (Ger)

PHYSIOLOGY

Effect of asphyxia due to umbilical cord occlusion in the foetal lamb on leakage of liquid from the circulation and on permeability of lung capillaries to albumin. Adamson TM, et al.
J Physiol (Lond) 207:493-505, Apr 70

RADIOGRAPHY

Visualization of the umbilical cord in utero by ultrasonic tomography. A combination of doppler and tomographic techniques. Takemura H, et al.
Acta Obstet Gynaecol Jap 17:274-5, Oct 70

SURGERY

Repair of gastroschisis. Croom RD 3d, et al.
Surg Gynecol Obstet 132:689-92, Apr 71

TRANSPLANTATION

The use of umbilical cord for reconstruction of abdominal wall defects. Heaton FC, et al.
Surg Forum 21:56-7, 1970

UMBILICAL CYST (C2)

COMPLICATIONS

Umbilical cyst of vitello-intestinal duct origin associated with Meckel's diverticulum in a child. Mital VK, et al. Indian J Med Sci 24:571-2, Sep 70

UMBILICAL HERNIA (C4, C16)

Meckel's diverticulum in an umbilical hernia. Castleden WM. Br J Surg 57:932-4, Dec 70
Rupture of ascitic umbilical hernia during esophagoscopy; an unusual indirect complication. Bynum TE, et al. Gastrointest Endosc 17:67-8, Nov 70

COMPLICATIONS

Total intravenous nutrition. An adjunct to the management of infants with a ruptured omphalocele. Filler RM, et al. Am J Surg 121:454-9, Apr 71
Intravenous infusion of autogenous ascitic fluid in a cirrhotic patient with an umbilical hernia. Kuan P.
J Formosan Med Assoc 69:220-8, 28 Apr 70
Umbilical hernia with associated hamartoma in a neonate. Scobie WG, et al. J Pediatr Surg 6:73, Feb 71
Umbilical hernia: strangulation in a boy aged ten weeks. Pegg SP. Med J Aust 1:92-3, 9 Jan 71
[The cholecysto-umbilical syndrome. The connection between gall bladder disease and umbilical hernia] Bilecen Y, et al.
Munch Med Wochenschr 112:1895-7, 16 Oct 70 (Ger)
[The cholecysto-umbilical syndrome. Comments on the paper by Y. Bilecen and H. R. Henche, Münch. med. Wschr. 112 (1970) 42, 1895-7] Grill W.
Munch Med Wochenschr 112:1897-8, 16 Oct 70 (Ger)
[The cholecysto-umbilical syndrome. Comments on the paper by Y. Bilecen and H. R. Henche, Münch. med. Wschr. 112, (1970) 42, 1895-7] Wildhirt E.
Munch Med Wochenschr 112:1898-9, 16 Oct 70 (Ger)
[Prolapse of pregnant uterus through the umbilical hernia] Kuznetsov VD, et al.
Akush Ginekol (Mosk) 46:77, May 70 (Rus)

CONGENITAL

Infantile pyloric stenosis associated with major anomalies of the alimentary tract. Ahmed S.
J Pediatr Surg 5:660-6, Dec 70
[Problems of omphalocele and gastroschisis] Krenn R.
Wien Med Wochenschr 120:542-5, 25 Jul 70 (Ger)
[The Wiedemann-Beckwith syndrome. Presentation of a case] Canubi A, et al.
Minerva Pediatr 23:472-4, 17 Mar 71 (Ita)

DRUG THERAPY

Mercury poisoning from application to omphalocele. Stanley-Brown EG, et al. JAMA 216:2144-5, 28 Jun 71

ETIOLOGY

[Vitelline duct fistula combined with prolapse of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

small intestine] Kato K, et al.
Shujutsu 25:109-12, Jan 71 (Jap)

FAMILIAL & GENETIC

[Unusual case of familiar incidence of omphalocele] Kučera J, et al. Cesk Pediatr 26:237-9, May 71 (Cze)

OCCURRENCE

A study of the maturity onset of adult umbilical hernia. Baccari EM, et al. Am Surg 37:385-8, Jun 71
Umbilical hernia. A retrospective study. Jackson OJ, et al. Calif Med 113:8-11, Oct 70
Infantile umbilical hernia in Kenya. MacBain G, et al. East Afr Med J 47:487-90, Sep 70
Umbilical hernia of infants and children. Mbanefo SE. J R Coll Gen Pract 21:92-5, Feb 71
[Omphalocele in the African newborn] Gruet M, et al. Bull Soc Med Afr Noire Lang Fr 15:92-5, 1970 (Fre)

SURGERY

Total intravenous nutrition. An adjunct to the management of infants with a ruptured omphalocele. Filler RM, et al. Am J Surg 121:454-9, Apr 71
Repair of umbilical hernias in childhood to prevent adult incarceration. Haller JA Jr, et al. Am Surg 37:245-6, Apr 71
Omphalocele--an appraisal of therapeutic approaches. Firor HV. Surgery 69:208-14, Feb 71
The place of neuroleptanalgesia in poor-risk cardiac subjects. Ffoulkes-Crabbe DJ. West Afr Med J 19:167-8, Dec 70
[Treatment of umbilical hernia in African newborns] Gruet M, et al. Med Trop (Mars) 31:183-90, Mar-Apr 71 (Fre)
[Omphaocele-gastroschisis. Therapeutic experiences in 98 cases] Schäfer U, et al. Dtsch Med Wochenschr 96:621-6, 9 Apr 71 (Ger)
[New technic for the surgical treatment of umbilical hernia] Corres Innes J. Ginecol Obstet Mex 26:283-93, Sep 69 (Spa)

THERAPY

Infantile umbilical hernia. To strap or not to strap. Angel-Lord G. Med J Aust 1:83-5, 9 Jan 71

VETERINARY

Umbilical hernia in an elephant calf. Singh BS. Indian Vet J 48:533-6, May 71
A surgical technic for umbilical herniorrhaphy. Johnson JH. Vet Med Small Anim Clin 65:967-70, Oct 70

UMBILICAL VEINS (A7, A10)

Umbilical vessel catheterization. Egan EA 2d, et al. Am J Dis Child 121:213-8, Mar 71
Effects of simulated maternal hyperventilation on the umbilical vein. Berry FA Jr, et al. Am J Obstet Gynecol 109:20-3, 1 Jan 71
Relationship between uterine and umbilical venous PO2 in sheep. Rankin JH, et al. Am J Physiol 220:1688-92, Jun 71
Roentgenologic features of umbilical vascular catheterization in the newborn. Campbell RE. Am J Roentgenol Radium Ther Nucl Med 112:68-76, May 71
Appearance of salicylate in the circulation of thne newborn after administering the drug to the mother in the first minute of the placental stage. Boda D, et al. Ann Clin Res 3:150-2, Jun 71
Umbilical catheterization: its complications. Anatomical study. Larroche JC. Biol Neonate 16:101-16, 1970
Cruveilhier-Baumgarten syndrome with duodenal ulcer. Khatri JV, et al. Indian Pediatr 8:76-9, Feb 71
Mitotic response to phytohaemagglutinin stimulation of human cord blood. Bishun N, et al. J Obstet Gynaecol Br Commonw 78:163-5, Feb 71
Contamination of umbilical catheters in the newborn infant. Krauss AN, et al. J Pediatr 77:965-9, Dec 70
Umbilical arteritis and phlebitis with scrotal abscess and peritonitis. Dinari G, et al. J Pediatr Surg 6:176, Apr 71
PO2, PCO2 and pH levels in the umbilical and uterine blood of the mare and ewe. Comline RS, et al. J Physiol (Lond) 209:587-608, Aug 70
Cruveilhier-Baumgarten syndrome: review of the literature and report of a case. Fung WP, et al. Singapore Med J 12:42-5, Feb 71
Clinical application of operative umbilical vein cannulation. Reichle FA, et al. Surg Gynecol Obstet 133:39-43, Jul 71
[Complications of umbilical vein infusion in newborns] Haahr J, et al. Nord Med 85:950-3, 12 Aug 71 (Dan)
[Transumbilical portography. The value of selective and occlusive injections] Delvigne J, et al. Ann Radiol (Paris) 14:373-93 passim, May-Jun 71 (Fre)
[Clinical value of umbilicoportography] Guffens JM, et al. Ann Radiol (Paris) 14:395-408, May-Jun 71 (Fre)
[Umbilical catheterization. Technic, indications and results. I. Venous catheterization] Couchard M. Arch Fr Pediatr 27:895-904, Nov 70 (Fre)
[Extra-peritoneal biliary drainage through a repermeabilized umbilical vein] Buriui D, et al. Presse Med 79:408-9, 20 Feb 71 (Fre)
[Calcification f the ulical vein] Egros R, et al. Rev Fr Gynecol Obstet 66:51-60, Jan 71 (Fre)
[Complications after exchange transfusion using the umbilical vein in relation to preventive antibiotic administration] Keller E, et al. Kinderaerztl Prax 38:52-8, Feb 70 (Ger)
[Thrombosis of the umbilical vessels] Lednár A, et al. Zentralbl Gynaekol 92:435-42, 4 Apr 70 (Ger)
[Fetal hemoglobin in the blood of the umbilical veins in newborn infants with Rh-incompatibility] Neumayer E, et al. Zentralbl Gynaekol 92:1118-20, 22 Aug 70 (Ger)
[Comparative estrogen determinations in placenta homogenate, umbilical cord blood and maternal venous blood] Spies H, et al. Zentralbl Gynaekol 92:837-40, 27 Jun 70 (Ger)
[Transumbilical drug infusion in the combined therapy of acute suppurative diseases of the biliary tract] Osztroverhov GE. Orv Hetil 111:2063-4, 30 Aug 70 (Hun)
[Coagulative differences of fetal blood collected from the funiculo-placental stump, by spontaneous flow of the umbilical vein, and the phenomenon of "escape" of platelets from the clot] Zanoner C. Friuli Med 24:845-55, Nov-Dec 69 (Ita)
[Case of spontaneous rupture of an aberrant placental vessel due to marginal inserction of the funiculum, with intact amniotic sac during labor] Maistri S, et al. Minerva Ginecol 22:892-6, 30 Sep 70 (Ita)
[Infusion of medicinal substances through the umbilical vein in the treatment of hepatic abscesses] Ostroverkhov GE, et al. Khirurgiia (Mosk) 46:75-9, Apr 70 (Rus)
[Transumbilical administration of drugs in certain surgical diseases complicated by peritonitis] Sulima SIa, et al. Klin Khir 9:29-32, Sep 69 (Rus)
[The umbilical vein as an access route to the portal vein] Pera C, et al. Rev Esp Enferm Apar Dig 33:265-92, 1 Feb 71 (Spa)
[Study of portal circulation by the umbilical route: registration of pressure, humoral study and action of phenylalanine-lysine-vasopressin] Fernandez A, et al. Rev Int Hepatol 19:509-27, 1969 (Spa)
[Values of transaminases (SGOT, SGPT) in the blood of umbilical vein newborn infants] Durić V, et al. Med Glas 23:97-100, May-Aug 69 (Cro)

ABNORMALITIES

[Anomalies of the portal and umbilical veins] Rehder H. Virchows Arch [Pathol Anat] 352:50-60, 1971 (Ger)

ANATOMY & HISTOLOGY

Surgical significance of the ductus venosus Arantii. Asuncion ZG, et al. Am J Surg 122:109-11, Jul 71

DRUG EFFECTS

The pharmacology of isolated sheep umbilical cord blood vessels. Dyer DC. J Pharmacol Exp Ther 175:565-70, Dec 70
An investigation of the mechanism of potentiation by cocaine of responses to serotonin in sheep umbilical blood vessels. Dyer DC. J Pharmacol Exp Ther 175:571-6, Dec 70
d-Lysergic acid diethylamide (LSD-25): a constrictor of human umbilical vein. Gant DW, et al. Life Sci [I] 10:235-40, 15 Feb 71

EMBRYOLOGY

[Ductus venosus arantii in Bos taurus] Broccoli F. Boll Soc Ital Biol Sper 46:388-92, 30 Apr 70 (Ita)

INJURIES

[An unusual case of false vascular nodes of the umbilical cord, hydramnios, intra-amniotic and sub-amniotic hemorrhage, caused by rupture of the umbilical vessel] Kozovski I. Akush Ginekol (Sofiia) 9:172-3, 1970 (Bul)
[Acute neonatal anemia caused by velamentous insertion and injury of the umbilical cord] Toró A, et al. Orv Hetil 111:2964-5, 13 Dec 70 (Hun)

INNERVATION

Innervation of the umbilical vessels. Electron microscopic studies on the guinea-pig. Hülsemann M. Z Zellforsch Mikrosk Anat 120:137-50, 1971
Adrenergic innervation of the umbilical vessels. Light- and fluorescence microscopic studies. Lachenmayer L. Z Zellforsch Mikrosk Anat 120:120-36, 1971

PATHOLOGY

[Cirrhosis of the liver with permeability of the umbilico-paraumbilical circulation and Cruveilhier-Baumgarten disease] Bonati B, et al. Rev Int Hepatol 19:475-507, 1969 (Fre)

PHYSIOLOGY

Umbilical blood flow and fetal oxygen consumption. Brinkman CR 3d. Clin Obstet Gynecol 13:565-78, Sep 70
The role of the umbilical sinus in the regulation of placental vascular resistance. Brinkman CR 3d, et al. Gynecol Invest 1:115-27, 1970

RADIOGRAPHY

Catheterization of the umbilical vein and its use for hepatography. Man B, et al. Clin Radiol 22:350-60, Jul 71
[Liver exploration by omphaloportography] Lambilliotte JP, et al. Acta Gastroenterol Belg 33:207-22, Mar 70 (Fre)
[Omphaloportography in hepatic exploration] Lambilliotte JP, et al. Brux Med 51:5-10, Jan 71 (Fre)
[Value of umbilicoportography and renal phlebography in preparation for a splenorenal shunt for portal hypertension] Guffens JM, et al. J Belge Radiol 54:415-7, May-Jun 71 (Fre)
[Lipiodol umbilico-portography] Pons H, et al. J Radiol Electrol Med Nucl 50:Suppl 5:413-4, May 69 (Fre)
[Personal experience with omphalography: some anatomical details of the umbilical vein with a view to its catheterization] Lagrot F, et al. Mem Acad Chir (Paris) 94:300-8, 1968 (Fre)
[Value of roentgenologic examination in liver cirrhosis (diagnosis of the Cruveilhier-Baumgarten syndrome)] Simonov VV, et al. Vestn Khir 103:34-40, Jun 69 (Rus)
[Unexpected occurrences in radiologic control of catheters introduced into the umbilical vein: preliminary report] Weissenbacher G, et al. Ann Radiol (Paris) 12:321-6, 1969 (Mul)

SURGERY

Clinical applications and complications of umbilical vein cannulation. Watts JM, et al. Br J Surg 58:61-6, Jan 71
Emergency transumbilical portal decompression for bleeding esophageal varices. Silva YJ, et al. Can J Surg 14:66-70, Jan 71
Catheterization of umbilical vessels in newborn infants. Kitterman JA, et al. Pediatr Clin North Am 17:895-912, Nov 70 (45 ref.)
Cannulation of the umbilical vein. Frohn MJ. Proc R Soc Med 64:568-9, May 71
[Use of arteriovenous anastomosis in liver cirrhosis] Patsiora MD, et al. Khirurgiia (Mosk) 47:99-105, Jan 71 (Rus)
[Autogenous vein graft for portacaval anastomosis in a case of Cruveilhier-Baumgarten syndrome] Uras A, et al. Tip Fak Mecm 32:98-103, 1969 (Tur)

UMBILICUS (A1)

Cullen's sign in perforated duodenal ulcer. Evans DM. Br Med J 1:154, 16 Jan 71
Cullen's sign in perforated duodenal ulcer. Raw SC. Br Med J 1:505, 27 Feb 71
Navel ills. Br Med J 1:248, 30 Jan 71
Spontaneous umbilical fistula in granulomatous (Crohn's) disease of the bowel. Hiley PC, et al. Gastroenterology 60:103-7, Jan 71
Contamination of umbilical catheters. Casalino MB, et al. J Pediatr 78:1077-8, Jun 71
Umbilical tetanus in Brazil. Pederneiras MP, et al. Lancet 1:1134, 29 May 71
Sistr Joseph's nodule and malignant ascites in multiple myeloma. Bank H, et al. N Engl J Med 284:676-7, 25 Mar 71
A case of abomaso-umbilical fistula in a calf. Newcomb R, et al. Vet Rec 87:803, 26 Dec 70
[1 case of endometriosis of the umbilicus] Papazov B, et al. Akush Ginekol (Sofiia) 9:254-6, 1970 (Bul)
[Umbilical tetanus: clinical and therapeutic study] Iiter O, et al. Ann Pediatr (Paris) 17:141-5, 2 Feb 70 (Fre)
[2 extragenital endometriomas] Espinassouze G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:403-4, Sep-Oct 70 (Fre)
[Umbilical endometriosis] Palliez R, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:465-6, Nov-Dec 68 (Fre)
[Complications after exchange transfusion using the umbilical vein in relation to preventive antibiotic administration] Keller E, et al. Kinderaerztl Prax 38:52-8, Feb 70 (Ger)
[Umbilical adenocarcinoma of probable urachal origin] Alvisi B, et al. Cancro 23:23-37, 1970 (Ita)

ABNORMALITIES

Anomalies of the anterior abdominal wall: classification and roentgenology. Franken EA Jr. Am J Roentgenol Radium Ther Nucl Med 112:58-67, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Persistence of the omphalomesenteric duct. Case of acute enteritis in an infant] Menichini G, et al. Minerva Pediatr 23:787-93, 5 May 71 (Ita)

GROWTH & DEVELOPMENT

[Model experiments for investigation of the development of the navel-ring] Fazekas IG, et al. Z Rechtsmed 67:372-6, 1970 (Ger)

PATHOLOGY

The inspissated umbilical bolus. Fishman HC. Arch Dermatol 103:221-2, Feb 71
[Clinical and prognostic value of the umbilical metastases. 6 personal observations] Piro E, et al. Omnia Med Ther 48:309-411, Jul-Sep 70 (Ita)

UNCINARIA AMERICANA see under NECATOR (B1)

UNCINARIASIS see under HOOKWORM INFECTION (C1)

UNCONSCIOUS (PSYCHOLOGY) (F1, F2)

Sensory deprivation, preconscious processes and scientific thinking. Shore E. Am J Orthopsychiatry 41:574-80, Jul 71
An experimental technique for the study of unconscious conflict. Silverman LH. Br J Med Psychol 44:17-25, Mar 71
The Reikian method in psychoanalysis. Frankel E. Psychoanal Rev 57:544-8, Winter 70
Average evoked response and verbal correlates of unconscious mental processes. Shevrin H, et al. Psychophysiology 8:149-62, Mar 71
[The law of specific blindness] Cahen R. Evol Psychiatr (Paris) 34:681-9, Oct-Dec 69 (Fre)
[Organized autohypnosis and instinctive behavior] Konczewski G. Hyg Ment 59:63-8, May-Jun 70 (Fre)
[The unconscious guilt feeling] Sempé JC. Rev Fr Psychanal 34:1187-90, Sep 70 (Fre)
[Theory of symbolism] Jones E. Psyche (Stuttg) 24:942-59, Dec 70 (Ger)
[Interaction of conscious and unconscious trace processes in the nervous system] Voronin LG, et al. Dokl Akad Nauk SSSR 195:1237-9, 1970 (Rus)

UNCONSCIOUSNESS (C10)

see also related SYNCOPE (C17)

MAC and dose-response curves. Bachman L, et al. Anesthesiology 34:201-4, Feb 71
[The unconscious patient with brain injured] Henseli V. Med Welt 19:797-802, 8 May 71 (Ger)
[Repeated convulsions and semiconsciousness] Rabe F. Med Welt 19:805-7, 8 May 71 (Ger)

CHEMICALLY INDUCED

Toxic effects of scopolamine eye drops. Freund M, et al. Am J Ophthalmol 70:637-9, Oct 70
Intraarterial injection of procaine. Ng AC, et al. Am J Roentgenol Radium Ther Nucl Med 111:791-3, Apr 71
Recovery from overdose with glibenclamide. Kullavanijaya P. Br Med J 4:53-4, 3 Oct 70
[Configuration frequency analysis of some lysergic acid diethylamide effects] Lienert GA. Arzneim Forsch 20:912-3, Jul 70 (Ger)

COMPLICATIONS

Susceptibility to moderate hypoxia in aircrew with a history of episodes of impaired consciousness in flight. Hartzell W, et al. Aerosp Med 42:93-7, Jan 71

DIAGNOSIS

Cold caloric test in altered states of consciousness. Jadhav WR, et al. Laryngoscope 81:391-402, Mar 71
Brief lapses of consciousness in children. Swaiman KF. Postgrad Med 50:107-9, Aug 71
[Diagnosis and military medical expert testimony in paroxysmal unconsciousness] Korovin AM. Voen Med Zh 11:35-9, Nov 70 (Rus)

ETIOLOGY

[The unconscious patient from the internist's viewpoint] Daweke H. Med Welt 19:791-6, 8 May 71 (Ger)
[The unconscious patient from the neurological viewpoint] Heitmann R. Med Welt 16:649-53, 17 Apr 71 (Ger)

PATHOLOGY

[Neuropathological backgrounds for akinetic mutism and apallic syndrome--a basis for the understanding of the nature of consciousness disturbances] Shiraki H. Adv Neurol Sci (Tokyo) 14:763-94, Apr 71 (29 ref.) (Jap)

PHYSIOPATHOLOGY

[Changes in the state of consciousness] Askenasy HM. Harefuah 77:283-7, 1 Oct 69 (Heb)
[Disturbance of consciousness and behavior disorders] Hirai T. Adv Neurol Sci (Tokyo) 14:712-22, Apr 71 (Jap)
[Neuronal activities during disturbance of consciousness caused by various chemicals] Sawa M, et al. Adv Neurol Sci (Tokyo) 14:840-5, Apr 71 (Jap)
[Disturbance of consciousness and visually evoked response] Uno M, et al. Adv Neurol Sci (Tokyo) 14:755-62, Apr 71 (Jap)

THERAPY

Management of patients unconscious from drug overdosage. Freeman JW, et al. Med J Aust 2:1165-8, 19 Dec 70
[Fluid therapy in patients with unconsciousness] Tazaki Y, et al. Naika 26:631-6, Oct 70 (Jap)

VETERINARY

Fits in the dog. Croft P. Vet Rec 88:118-20, 30 Jan 71

UNDECYLENIC ACID (D3)

THERAPEUTIC USE

[Pipothiazine undecylenic ester. Piperidinated phenothiazine with prolonged action time] Delay J, et al. Presse Med 79:1293-4, 5 Jun 71 (Fre)
[The treatment of dermatomycoses with Phebrocon] Bossong W. Z Haut Geschlechtskr 44:979-90, 1 Dec 69 (Ger)

UNDERACHIEVEMENT (F1)

Poor school performance as a symptom of masked depression in children and adolescents. Hollon TH. Am J Psychother 24:258-63, Apr 70
Improving social acceptance of low sociometric status, low achieving students. Lilly MS. Except Child 37:341-7, Jan 71
The psychoanalysis of a young adolescent girl. Van Amerongen ST. J Am Acad Child Psychiatry 10:23-52, Jan 71
Effects of failure on the self-esteem of depressed and nondepressed subjects. Flippo JR, et al. J Consult Clin Psychol 36:151, Feb 71
Experimental prevention of underachievement among intelligent impulsive college students. Kipnis D, et al. J Consult Clin Psychol 36:53-60, Feb 71
Alienation: another dimension of underachievement. Propper MM, et al. J Psychol 75:13-8, May 70
Children who failed Head Start. Pytkowicz AR, et al. Ment Hyg 52:386-94, Jul 68
The non-achieving educable mentally retarded: implications of his needs for education and the community. Itkin W. Ment Retard Abstr 8:53-4, Jun 70
Age and intelligence as correlates of perceived family relationships of underachievers. Kauffman JM, et al. Psychol Rep 28:522, Apr 71
[Experiences in assistance to the scholarship holders of the senior high schools] Bianchin AS, et al. Minerva Pediatr 22:2153-5, 3 Nov 70 (Ita)

UNDERTAKING see under MORTUARY PRACTICE (G2)

UNDULANT FEVER see BRUCELLOSIS (C1)

UNEMPLOYMENT (N1)

Job Corps patients: the impact of psychiatric care. Morgenstern AL, et al. Am J Psychiatry 127:1024-31, Feb 71
State benefits ..s a cause of unwillingness to work. Antebi RN. Br J Psychiatry 117:205-6, Aug 70
Proposed vs. present unemployment insurance benefits: "y' pays yer money and y' takes yer chances". Crysler J. Can Hosp 48:59-62, Feb 71
Motivational factors reflecting employment instability. Lawlis GF. J Soc Psychol 84:215-23, Aug 71
Unemployment among chronic psychotic patients in Camberwell: their need for rehabilitation. Wing JK. Proc R Soc Med 63:1329-32, Dec 70
A psychological view of the chronically unemployed: personality and motivation. Lawlis GF. Psychol Rep 28:838, Jun 71
Underemployment: economic or psychological? Toppen JT. Psychol Rep 28:111-22, Feb 71
[Effect of vocational rehabilitation upon the physical capabilities of pulmonary and jobless handicapped persons] Deroanne R, et al. Acta Tuberc Pneumol Belg 60:66-78, Jan-Feb 69 (Fre)
[Unemployment among miners. Problems arising out of reassignment and vocational rehabilitation] Groetenbriel, et al. Acta Tuberc Pneumol Belg 60:79-98, Jan-Feb 69 (Fre)

UNIPEN see NAFCILLIN (D3)

UNITED STATES FOOD AND DRUG ADMINISTRATION (N3)

The role of government in implementing good nutritional practice. Wodicka VO. Bull NY Acad Med 47:641-3, Jun 71
Delaware Academy of General Practice. Medicine by decree. Gelb J. Del Med J 43:142, May 71
The Food and Drug Administration. Lantos RL, et al. Hospitals 45:98-101, 1 Mar 71
Nutrition guidelines. The how, the why, and the when. Breeling JL. J Am Diet Assoc 59:102-5, Aug 71
Nutritional guidelines and the labeling of foods. Cooke JA. J Am Diet Assoc 59:99-101, Aug 71
FDA regulation dermatology panel. Sauer GC. JAMA 217:1105-6, 23 Aug 71
Cyclamate brouhaha. Johnson JH. Med Trial Tech Q 17:95-8, Sep 70
FDA 'efficacy' rule: does it work? Lasagna L. Mo Med 68:712-4, Sep 71
Tolbutamide study raises blood pressures. Nature (Lond) 228:1251-2, 26 Dec 70
Science, drugs, and the Food and Drug Administration. De Haen P. NY State J Med 71:1644-50, 1 Jul 71
Challenges product list issued by Food and Drug Administration. Ohio State Med J 67:202, Mar 71
Safe efficacious drugs, FDA's responsibilities. Proc US Anim Health Assoc 73:236-48, 1969
Development of the Food and Drug Administration's method of analysis for multiple residues of organochlorine pesticides in foods and feeds. Burke JA. Residue Rev 34:59-90, 1971 (55 ref.)
Free enterprise and the FDA (a study in static mobility). Rev Allergy 22:946-7, Oct 68
Food and Drug Administration: is protecting lives the priority? Bazell RJ. Science 172:41-3, 2 Apr 71
Drug efficacy study: FDA yields on fixed combinations. Bazell RJ. Science 172:1013-5, 4 Jun 71
FDA action on blood poisoning. Edwards CC, et al. Science 173:379, 30 Jul 71
FDA: clinically meaningful data. Freund J, et al. Science 171:334-5, 29 Jan 71
Demulen: hastily approved drug. Goldberg DC. Science 170:491, 30 Oct 70
Aspirin and the FDA. A critical review of the aspirin problem. Swineford O Jr, et al. Va Med Mon 98:128-32, Mar 71

STANDARDS

FDA called unhealthy for science and scientists. Nature (Lond) 231:277-80, 4 Jun 71

UNITED STATES NATIONAL INSTITUTES OF HEALTH (N3)

The National Institute of Environmental Health Sciences. Lee DH. Am Ind Hyg Assoc J 31:637-40, Sep-Oct 70
More money to fight cancer--will it be worth it? DiBiasio AG. Eye Ear Nose Throat Mon 50:124, Apr 71
Commissioner on aging stresses complexity of problems of elderly. Martin JB. Geriatrics 25:41 passim, Nov 70
Graduate research training supported by the National Institute of Dental Research. Malone TE. J Am Dent Assoc 81:1171-6, Nov 70
Role of the National Institutes of Health in support of laboratory animal resources. McPherson C. J Am Vet Med Assoc 157:1959-63, 1 Dec 70
Opportunities for progress against cancer. Baker CG. Med Ann DC 40:425-9, Jul 71
Calling the odds for the cancer sweepstakes. Nature (Lond) 231:407-8, 18 Jun 71
Nixon may sell out to Kennedy on NIH. Nature (Lond) 231:414-6, 18 Jun 71
No cancer remission for NIH. Nature (Lond) 231:76-7, 14 May 71
Cancer crusade may divide the faithful. Nature (Lond) 228:1133-4, 19 Dec 70
Cancer compromise almost unites Senate. Nature (Lond) 232:149-50, 16 Jul 71
Cancer research proposals: new money, old conflicts. Bazell RJ. Science 171:877-9, 5 Mar 71
Graduate support: NIH grants threatened by Nixon priorities. Bazell RJ. Science 171:554-6, 12 Feb 71
Research grants: new awards bore brunt of NIH cutbacks. Gillette R. Science 172:43-5, 2 Apr 71
Peer review system. Gross J. Science 173:106-7, 9 Jul 71
Male bias of NIH. Moog F. Science 171:236, 22 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

HISTORY

Parallelisms of medical greatness. (Wolf S), (Mitchell SW), (Billings JS), Cummings MM.
J Okla State Med Assoc 63:385-90, Aug 70

UNITED STATES NATIONAL LIBRARY OF MEDICINE (L, N3)

A tool for keeping up with the literature--"Abridged Index Medicus". Gunn CG.
Am J Cardiol 26:439-40, Oct 70
The Regional Medical Library Program. Batterton DL, et al. Am J Med Technol 37:332-7, Aug 71
Educational technology for medicine: roles for the Lister Hill Center. Recommendations for a national biomedical communications network.
J Med Educ 46:Suppl:1-97, Jul 71
MEDLARS and the occasional researcher. McEwin R.
Med J Aust 1:1186-7, 29 May 71
[Progress in scientific information and present role of medical libraries] Neghme A.
Medicina (B Aires) 31:151-4, Mar-Apr 71 (Spa)

HISTORY

Parallelisms of medical greatness. (Wolf S), (Mitchell SW), (Billings JS), Cummings MM.
J Okla State Med Assoc 63:385-90, Aug 70
Evolution in the library. Med Ann DC 40:461-2, Jul 71

UNITED STATES OFFICE OF ECONOMIC OPPORTUNITY (N3)

Comparisons between OEO neighborhood health centers and other health care providers of ratings of the quality of health care. Morehead MA, et al.
Am J Public Health 61:1294-306, Jul 71
Planned variation in Head Start programs. Klein JW.
Children 18:8-12, Jan-Feb 71
San Francisco's "Operation Headstart"; the impact of fluoridation. Wallace DC, et al.
J Public Health Dent 26:365-7, 1966
The Matthew Walker Health Center of Meharry Medical College: OEO-funded neighborhood health center. Falk LA. J Tenn Med Assoc 63:849, Oct 70
Children who failed Head Start. Pytkowicz AR, et al.
Ment Hyg 52:386-94, Jul 68
Objective versus individual mental ability tests with former Head Start children in the first grade. Parker HJ, et al. Percept Mot Skills 32:287-92, Feb 71
Health care: what the poor people didn't get from Kentucky project. Bazell RJ.
Science 172:458-60, 30 Apr 71
[Government aid for disadvantaged children in the USA (Head-Start Program)] Adam R.
Monatsschr Kinderheilkd 117:639-41, Jan 69 (Ger)

UNITED STATES PUBLIC HEALTH SERVICE (N3)

On the USPHS role in Alaska. Behymer K.
Alaska Med 13:6-7, Jan 71
Occupational health programs at the federal level for the next ten years. Key MM, et al.
Am J Public Health 61:1583-5, Aug 71
The Health Maintenance Organization. Stark RE.
Ariz Med 28:527-8, Jul 71
Radioiodine levels in the U.S. Public Health Service Pasteurized Milk Network from 1963-1968 and their relationship to possible sources. Machta L, et al.
Health Phys 19:469-85, Oct 70
Expanded functions from the perspective of dental assistants of the Indian Health Service. Lathrop RL.
J Am Dent Assoc 82:591-9, Mar 71
Comments on the TEAM Program of The Division of Dental Health. Greene JC. J Dent Educ 35:225-8, Apr 71
Mnetal retardation facilities as part of the public health services of the community. Miller AD.
Ment Retard 8:48-51, Oct 70
Remarks of the Federal Medical Chiefs. Davis GM, et al.
Milit Med 135:263-8, Apr 70
Progress in the Federal Medical Services.
Milit Med 135:841-70, Oct 70
Organization and delivery of poison information in the United States. Crotty JJ, et al.
Pediatr Clin North Am 17:741-6, Aug 70
Progress report of the Injury Control Research Laboratory of the Public Health Service. Schaplowsky AF. Public Health Rep 85:1109-12, Dec 70
Research in resident education in veterans administration and public health hospitals. Soboroff BJ.
Trans Am Acad Ophthalmol Otolaryngol 74:1099-101, Sep-Oct 70
[Acute problems of public health services in the USA] Shakhovskiĭ KP, et al.
Zdravookhr Ross Fed 14:33-8, Jul 70 (Rus)

HISTORY

[Efforts of the United States of America for the health care of its seamen. II. Merchant marine (1750-1860)] Jetter D. Sudhoffs Arch 54:373-97, Dec 70 (Ger)

UNITED STATES VETERANS ADMINISTRATION (N3)

Surgery in the Veterans Administration. Wheeler HB, et al. Arch Surg 103:2-3, Jul 71
New trends in medical libraries in hospitals. Gartland HJ. Bull Med Libr Assoc 59:330-4, Apr 71
Token-economy programs in the Veterans Administration. Stenger CA, et al.
Hosp Community Psychiatry 21:371-5, Nov 70
Veterans Administration Training Program in Laboratory Animal Medicine, Science, and Technology. Buddingh F.
J Am Vet Med Assoc 157:1948-9, 1 Dec 70
Remarks of the Federal Medical Chiefs. Davis GM, et al.
Milit Med 135:263-8, Apr 70
Developments in hemodialysis in the Veterans Administration. Parkin RC.
Milit Med 135:275-80, Apr 70
Progress in the Federal Medical Services.
Milit Med 135:841-70, Oct 70
VA given task of developing programs for GI addicts. Walsh J. Science 173:33, 2 Jul 71
Careers in the Veterans Administration. Magier NG.
Woman Physician 26:314-6, Jun 71

HISTORY

Management of schizophrenia in the Veterans Administration. Blumenthal LJ.
Psychosomatics 12:61-8, Jan-Feb 71

UNIVERSITIES (I)

The teaching hospital and the university: understanding some misunderstandings. Blayney KD.
Aln J Med Sci 7:359-62, Jul 70
The measurement of college potential in the hearing handicapped. Greenberg BL, et al.
Am Ann Deaf 116:372-81, Jun 71
Michigan State University's Four Year Baccalaureate Degree Program in Medical Technology. Brown EM.
Am J Med Technol 37:102-5, Mar 71
Education--an incident or an experience. Cicarelli SM.
Am J Med Technol 37:106-8, Mar 71
Masters Program in Medical Technology Wayne State University School of Medicine. Skinner DM.
Am J Med Technol 37:109-10, Mar 71
Maintaining academic freedom. Hargreaves AG, et al.
Am J Nurs 71:1590-2, Aug 71
Continuing education: provider and consumer. Popiel ES. Am J Nurs 71:1586-7, Aug 71
The community-junior college: challenges to occupational therapy education. Cantwell JL.
Am J Occup Ther 24:576-9, Nov-Dec 70
University of Toronto Faculty of Medicine 12th annual research meeting. Am J Ophthalmol 70:645-9, Oct 70
Admissions policies: side effects and their implications. Campbell DP.
Am Psychol 26:636-47, Jul 71
Community resources centers. Roe A.
Am Psychol 25:1033-40, Nov 70
A note on university medical centers and community needs. Bogdonoff MD.
Arch Intern Med 127:958-9, May 71
The academic department of medicine and social change. Wyngaarden JB.
Arch Intern Med 127:80-4, Jan 71
Pros and cons of departmentalization--a survey of college and university speech pathology and audiology programs. ASHA 12:557-9, Nov 70
The use of video-tape recording (VTR) in university speech pathology and audiology training centers. ASHA 12:555-6, Nov 70
Research in the Department of Medical Physics, the University of Leeds. Spiers FW.
Biomed Engin 6:160-5, Apr 71
University of California, San Diego, School of Medicine: a profile of a developing medical centre. Stokes J 3d, et al. Br J Med Educ 4:239-48, Sep 70
Continuing education in internal medicine. Collaboration of universities and schools of medicine. Rosenheim. Br Med J 2:698-9, 19 Jun 71
Abuses of sensitivity training on the American campus. Winthrop H. Bull Menninger Clin 35:28-41, Jan 71
The Vision Information Center. Reinecke RD, et al.
Eye Ear Nose Throat Mon 49:342-6, Jul 70
Establishment of a university radiation safety office. Ice RD. Health Phys 20:444-7, Apr 71
Establishment of a university radiation safety office. Ice RD. Health Phys 20:444-6, Apr 71
The university and the city. McCulloch WF, et al.
J Am Vet Med Assoc 157:1771-6, 1 Dec 70
Women in academic life. Kenyon KM.
J Biosoc Sci [Suppl] 2:107-18, May 70
Individual differences in perceptions of the college environment. Marks E.
J Educ Psychol 61:270-6, Aug 70
Development of a transplantation team in Indiana. 3. The development of the tissue typing laboratory at Indiana University. Biegel AA, et al.
J Indiana State Med Assoc 64:393-6, May 71
The academic health center and health care delivery. Preparing personnel to meet the demand. Haggerty RJ. J Med Educ 46:3-10, Jan 71
The academic health center and health care delivery. The university, the community, and the nation's health. London IM. J Med Educ 46:18-23, Jan 71
The academic health center and health care delivery. A new generation of options for academic health centers. Sanazaro PJ. J Med Educ 46:11-7, Jan 71
Curriculum improvement in the university. Tyler RW.
J Med Educ 45:42-57, Nov 70
Influence of government grants on the professional preparation of health educators in colleges and universities. Wallace BC. J Sch Health 41:38-42, Jan 71
Emphases and funding for school health research in graduate training institutions. Whaley RF, et al.
J Sch Health 40:554-6, Dec 70
Prevention of communicable disease. 1. The control of communicable diseases in rural workers--the role of university departments. Sofoluwe GO.
J Trop Med Hyg 73:310-7, Nov 70
Problems on campus. JAMA 217:471, 26 Jul 71
Universitets Retsmedicinske Institut, Copenhagen, Denmark. Roberts G. Med Leg Bull 213:1-16, Jan 71
Engineering R&D support by the hospital and university. Berkley C. Med Res Eng 9:3-5, Dec 70
The mental health of commuter college students: a partial test of Kysar's hypothesis. Bown OH, et al.
Ment Hyg 52:354-9, Jul 68
A look at the population served by a university clinic for retarded children. Justice RS, et al.
Ment Retard Abstr 8:43-7, Jun 70
Occupational medicine in the University of Sydney. Smith GC, et al. Minn Med 54:469-74, Jun 71
Harvard's criteria. Nature (Lond) 229:8, 1 Jan 71
New approaches to mental health services in colleges and universities. McCarthy BW.
Psychol Rep 27:420-2, Oct 70
Proposed National Conference on Junior College Affiliated Educational programs in Radiologic Technology. Dahl AH, et al.
Radiol Technol 42:266-8, Jan 71
A twenty-year study of the physical fitness of entering freshmen at Texas A&M University. Dowell LJ, et al.
Res Q Am Assoc Health Phys Educ 42:220-2, May 71
The tarnished image of American higher education. Lennon JL. RI Med J 54:38-42 passim, Jan 71
Boston Hospital dispute: Harvard rectifies "expansionist" policies. Bazell RJ.
Science 171:358-61, 29 Jan 71
Higher education and the nation's health. Knowles JH.
Science 171:337, 29 Jan 71
Interdisciplinary problem-oriented research in the university. Long FA. Science 171:961, 12 Mar 71
Expertise at land grant colleges. Sherf AF.
Science 171:849, 5 Mar 71
Predicting college success of the educationally disadvantaged. Stanley JC.
Science 171:640-7, 19 Feb 71
Higher education: will federal aid favor students or institutions? Walsh J. Science 171:1219-21, 26 Mar 71
The place of the medical school in the university. Woodhall B. South Med J 64:259-66, Mar 71
Looking to the future in Africa. The beginnings of the University Centre for Health Sciences, Yaoundé, Cameroon. Monekosso GL.
WHO Chron 24:462-6, Oct 70
[Organization of industrial medicine within the University Institute for Social and Preventive Medicine] Lob M.
Z Unfallmed Berufskr 63:208-9, 1970 (Fre)
[Specific tasks of university didactics. Pedagogical dimension of the problems of research and teaching] Hardörfer L. Stud Gen (Berl) 24:610-29, 1971 (Ger)
[Problems in the planning and construction of student housing] Kind F.
Z Gesamte Hyg 16:578-80, Aug 70 (Ger)
[University legislation by summer]
Zahnaerztl Mitt 61:85-6, 16 Jan 71 (Ger)
[University education in the USSR]
Zahnaerztl Mitt 61:473-4 passim, 16 Mar 71 (Ger)
[Criticism of university legislation]
Zahnaerztl Mitt 60:1277-9, 16 Dec 70 (Ger)
[Sociological possibilities in university psychiatric departments: departmental meetings] De Giacomo P.
Acta Neurol (Napoli) 26:95-9, Jan-Feb 71 (Ita)
[Old and new ideas on university reform and professional training of physicians] Franchini A.
Minerva Med 62:1167-73, 17 Mar 71 (Ita)
[Proposed law: "Reform of university administration" (No. 612)] Policlinico [Prat] 77:816-26, Jun 70 (Ita)
[Teaching of biology at science department of Italian universities] Barigozzi C.
Recent Progr Med (Roma) 46:339-46, Apr 69 (Ita)
[Preventive medicine in university student collectives] Del Vecchio V, et al.
Recent Progr Med (Roma) 49:XXIX+, Dec 70 (Ita)
[On the importance of social medicine problems within

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the framework of university teaching of pediatrics] Avenati A. Riv Clin Pediatr 81:1297-8, Nov-Dec 68 (Ita)
[The university as a whole] Kassab P.
Rev Assoc Med Bras 17:111-4, Apr 71 (Por)
[The University and health systems] Pontes JP.
Rev Bras Med 28:197-206, May 71 (Por)
[Institute of Pathology of Heidelberg University] Paukov VS. Arkh Patol 32:85-8, 1970 (Rus)
[3d reform of universities in GDR and training of pharmacists] Probst P. Farmatsiia 20:66-7, 1971 (Rus)
[Universities of Progress of Medical Science and Practice] Khrimlian AI, et al.
Sov Zdravookhr 29:38-9, 1970 (Rus)
[Evaluating the knowledge of the university student] Shendrik IuG.
Zdravookhr Ross Fed 14:33-4, Aug 70 (Rus)
[Medical career in the University of Brazilia] Galvão Lobo LC, et al.
Educ Med Salud 4:310-27, Oct-Dec 70 (Spa)
[New models in the professional training of health personnel: Sherbrooke University] LaSalle G.
Educ Med Salud 4:295-309, Oct-Dec 70 (Spa)

HISTORY

History of the development of a School of Biochemistry in the Faculty of Technology, University of Manchester. Walker TK.
Adv Appl Microbiol 12:1-10, 1970
The history of the University of Sydney, the Faculty of Veterinary Science and the Post-Graduate Foundation in veterinary science. Butterfield RM.
Aust Vet J 46:553-6, Nov 70
Giessen University: historical and current aspects. Vosseschulte K. Minn Med 53:1149-51, Oct 70
[Study of pharmacy in the Zurich University in the years 1833-1850] Wankmüller A.
Pharm Acta Helv 46:257-62, May 71 (Ger)
[The University Medical School of Budapest and Semmelweiss, after whom it was named] (Semmelweiss I), Orv Hetil 112:903-4, 18 Apr 71 (Hun)
[Development of morphology in Uzbekistan] Zufarov KA. Arkh Anat Gistol Embriol 58:103-15, Nov 70 (Rus)
[I.M. Sechenov at Moscow University] (Sechenov IM), Zikeev PD. Klin Med (Mosk) 49:151-4, Apr 71 (Rus)
[The 10th anniversary of a young university] Izquierdo JJ. Gac Med Mex 100:691-4, Jul 70 (Spa)

STANDARDS

[West Berlin's universities as seen from abroad] Dtsch Med Wochenschr 96:223, 29 Jan 71 (Ger)

UNIVERSITY HEALTH SERVICES see under

STUDENT HEALTH SERVICES (N2)

UNIVERSITY HOSPITALS see under HOSPITALS,

TEACHING (N2)

UPHILL TRANSPORT see BIOLOGICAL

TRANSPORT, ACTIVE (G1)

UPPER RESPIRATORY INFECTIONS see under

RESPIRATORY TRACT INFECTIONS (C1, C5)

URACHUS (A10)

Carcinoma of the urachus. Beck AD, et al.
Br J Urol 42:555-62, Oct 70
Pseudomyxoma peritonei due to mucinous adenocarcinoma of the urachus. Mendeloff J, et al.
South Med J 64:497-8, Apr 71
[Umbilical adenocarcinoma of probable urachal origin] Alvisi B, et al. Cancro 23:23-37, 1970 (Ita)
[Persistence of the omphalomesenteric duct. Case of acute enteritis in an infant] Menichini G, et al.
Minerva Pediatr 23:787-93, 5 May 71 (Ita)
[On carcinoma of the urachus: clinical and histopathological study] De Joanna F, et al.
Rass Int Clin Ter 50:1226-34, 15 Oct 70 (Ita)
[Diagnostic and therapeutic considerations on a case of recurrent suppurative cyst of the urachus] Sbriccoli A, et al. Rass Int Clin Ter 50:398-401, 15 Apr 70 (Ita)
[On pathology of the urachus: acute peritonitis caused by rupture of suppurated cysts] Perozzi A, et al.
Osp Ital Chir 21:323-30, Oct 69 (Jap)
[Successfully treated case of urachus tumor] Kakizaki G, et al. Surg Ther (Osaka) 24:707-10, Jun 71 (Jap)
[Urachus persistens] Boroń Z.
Pol Przegl Radiol 35:67-70, 1971 (Pol)

ABNORMALITIES

Urachal abnormalities in the adult. Thomford NR, et al.
Am Surg 37:405-7, Jul 71
Patent persistent urachus associated with urolithiasis in a cat. Greene RW, et al.
J Am Vet Med Assoc 158:489-91, 15 Feb 71
[Perforation of a suppurative cyst of the urachus into the abdominal cavity] Khook KA, et al.
Khirurgiia (Mosk) 46:123-4, Oct 70 (Rus)

PATHOLOGY

Diseases of the urachus simulating intra-abdominal disorders. Blichert-Toft M, et al.
Am J Surg 122:123-8, Jul 71
[Carcinoma of the urachus. Clinical statistics] Fabrizi G, et al. Minerva Urol 23:28-39, Jan-Feb 71 (Ita)

RADIOGRAPHY

[Case of suppurated cyst of the urachus] Lentini A, et al. Nunt Radiol 34:927-39, Sep 68 (Ita)

SURGERY

[Pathology of the urachus (4 cases)] Viville C, et al.
Lyon Chir 65:648-52, Sep-Oct 69 (Fre)

URACIL (D2)

Photochemistry of 5-ethyluracil and its glycosides. Pietrzykowska I, et al.
Acta Biochim Pol 17:361-84, 1970
Electroreduction of halogenopyrimidines. Electrochemical reduction of 5-halogenoderivatives of uracil, its nucleosides and oligonucleotides. Wrona M, et al. Acta Biochim Pol 17:351-60, 1970
The crystal and molecular structure of the cis-syn photodimer of uracil. Adman E, et al.
Acta Crystallogr [B] (Khh) 26:1326-34, 15 Sep 70
Determination of labile trifluoromethyl compounds with a fluoride-ion electrode: differential analysis of 5-trifluoromethyluracil and 5-trifluoromethyl-2'-deoxyuridine. Rogers WI, et al.
Anal Biochem 32:31-7, 15 Oct 69
A hypothesis and an experiment on the origin of the genetic coding process. Black S.
Biochem Biophys Res Commun 43:267-72, 16 Apr 71
Mercury binding to nucleic acids. Crystal and molecular structures of 2:1 complexes of uracil-mercuric chloride and dihydrouracil-mercuric chloride.
Carrabine JA, et al. Biochemistry 10:292-9, 19 Jan 71
Buffer-catalyzed tautomerism of uracil monoanion.
Shapiro R, et al.
Biochim Biophys Acta 232:1-4, 25 Feb 71
Irreversible inhibition of dehalogenation of 5-iodouracil by 5-diazouracil and reversible inhibition by 5-cyanouracil. Cooper GM, et al.
Cancer Res 30:2937-41, Dec 70
Pyrimidine type enzyme inhibitors. I. Design of active pyrimidines of virostatic value. Gauri KK.
Chemotherapy 15:201-8, 1970
Properties of the triplet states of thymine and uracil in aqueous solution. Whillans DW, et al.
J Am Chem Soc 93:1358-62, 24 Mar 71
18-O studies of the 2-ketoglutarate-dependent sequential oxygenation of thymine to 5-carboxyuracil.
Holme E, et al. J Biol Chem 246:3314-9, 25 May 71
Cross-reactions between 2,4-dinitrophenyl and 5-acetouracil groups. Underdown BJ, et al.
J Immunol 106:1431-40, Jun 71
Some aminoacyl derivatives of amino sugar nucleosides. Friedman HA. J Med Chem 14:174, Feb 71
Base-pairing configurations between purines and pyrimidines in the solid state. IV. Crystal and molecular structure of two 1:1 hydrogen-bonded complexes, 1-methyl-5-bromouracil: 9-ethyl-2-aminopurine and 1-methyl-5-fluorouracil: 9-ethyl-2-aminopurine. Mazza F, et al.
J Mol Biol 43:407-22, 14 Aug 69
Base-pairing configurations between purines and pyrimidines in the solid state. 3. Crystal and molecular structure of two 2:1 hydrogen-bonded complexes, 1-methylthymine: 9-ethyl-2,6-diaminopurine and 1-methyl-5-iodouracil: 9-ethyl-2,6-diaminopurine.
Sakore TD, et al. J Mol Biol 43:385-406, 14 Aug 69
Base-pairing configurations between purines and pyrimidines in the solid state. I. Crystal and molecular structure of a 1:2 purine-pyrimidine hydrogen-bonded complex: 9-ethyladenine-1-methyl-5-iodouracil.
Sakore TD, et al. J Mol Biol 43:361-74, 14 Aug 69
Base-pairing configurations between purines and pyrimidines in the solid state. II. Crystal and molecular structure of 9-ethyl-8-bromoadenine-1-methyl-5-bromouracil.
Tavale SS, et al. J Mol Biol 43:375-84, 14 Aug 69
Pyrimidines. XI. The conversion of 5-hydroxyuracils into 6-allyluracils via Claisen rearrangements. Otter BA, et al. J Org Chem 36:1251-5, 7 May 71
Fluorescence of the purine and pyrimidine bases of the nucleic acids in neutral aqueous solution at 300 degrees K. Daniels M, et al.
Science 171:675-7, 19 Feb 71
[Ribosidation at N-3 of the silyl derivative of 8-chloro uracil. Preparation of 3-(beta-D-ribofuranosyl)-8-chloro uracil and of 3-(beta-D-ribofuranosyl) uracil ("isouridine")]
Pichat L, et al. Bull Soc Chim Fr 5:1833-7, May 70 (Fre)

ADMINISTRATION & DOSAGE

[Some pharmacological properties of fluorodopan] Bukharova IK, et al.
Farmakol Toksikol 33:602-6, Sep-Oct 70 (Rus)

ANALYSIS

Analysis of 5-bromouracil distribution in partially substituted deoxyribonucleic acids. Couch JL, et al.
Anal Biochem 41:51-6, May 71
A new technique of pH gradient electrophoresis as applied to the separation of nucleic acid bases. Narurkar MV, et al. Anal Biochem 26:174-7, 10 Oct 68
Microbiological assay and tissue distribution of 5-diazouracil in mice. Pittillo RF, et al.
Appl Microbiol 21:962-4, May 71
Electron energy loss spectra of the nucleic acid bases. Crewe AV, et al. Nature (Lond) 231:262-3, 28 Mar 71
Thymine: a possible prebiotic synthesis.
Stephen-Sherwood E, et al. Science 173:446-7, 30 Jul 71

BIOSYNTHESIS

Control of pyrimidine biosynthesis in human lymphocytes. Induction of glutamine-utilizing carbamyl phosphate synthetase and operation of orotic acid pathway during blastogenesis. Ito K, et al.
J Biol Chem 246:4060-5, 25 Jun 71

CHEMICAL SYNTHESIS

Intermediates in the synthesis of purines and pteridines: N-methylated 8-chlorouracils.
Kazimierczuk Z, et al. Acta Biochim Pol 17:325-9, 1970
Hydrolysis of 5-cyano-, and decarboxylation of 5-carboxy-, uracils: a facile route to the synthesis of analogues of 1-cyclohexyluracil and cytosine.
Kuśmierek JT, et al. Acta Biochim Pol 17:259-66, 1970
Potential antiinflammatory agents. Aralkoxyhydrouracils and aralkoxyhydantoins. Simet L, et al. J Med Chem 13:1067-71, Nov 70
Photochemical transformation of 5-alkyluracils and their nucleosides. Krajewska E, et al.
Science 173:435-7, 30 Jul 71
[Synthesis of 4-methyluracil derivatives] Nantka-Namirski P, et al.
Acta Pol Pharm 27:341-7, 1970 (Pol)

METABOLISM

Microbiological assay and tissue distribution of 5-diazouracil in mice. Pittillo RF, et al.
Appl Microbiol 21:962-4, May 71
Incorporation studies on the biosynthesis of 3-alanyl-uracil in plants. Lambein F, et al.
Arch Int Physiol Biochim 78:595-6, Aug 70
Division of Escherichia coli 15 TAU cells synchronized by arginine and uracil starvation. Hirsch I, et al.
Folia Microbiol (Praha) 16:137-41, 1971
Host-induced modification-restriction and the utilization of 5-bromouracil by thymineless mutants of Escherichia coli. Matney TS, et al.
J Bacteriol 104:606-7, Oct 70
The enzymatic conversion of uracil 5-carboxylic acid to uracil and carbon dioxide. Palmatier RD, et al.
J Biol Chem 245:6706-10, 25 Dec 70
Effects of imprinting on uracil incorporation into brain RNA in the "split-brain" chick. Horn G, et al.
Nature (Lond) 229:131-2, 8 Jan 71
[Effect of 4-methyl uracil on nucleotide content and uracil degradation in liver of albino rats] Iakovlev NN.
Ukr Biokhim Zh 42:731-5, 1970 (Rus)

PHARMACODYNAMICS

Effect of uracil and 2-thiouracil on leucocyte production in the rat. Timson J.
Acta Haematol (Basel) 43:329-32, 1970
The brain nucleotide pattern of the rat after injection of uracil, uridine and uridine phosphate. Piccoli F, et al. Acta Neurol (Napoli) 26:109-17, Jan-Feb 71
Effect of 5-bromouracil on the growth of a thymine auxotroph of Escherichia coli K-12. Jones RJ, et al.
Can J Microbiol 17:87-93, Jan 71
In vivo inhibition of pyrimidine catabolism by 5-cyanouracil. Gentry GA, et al.
Cancer Res 31:909-12, Jun 71
Effect of dark-repair inhibitors on the survival of Escherichia coli B under different post-irradiation conditions. Vrátaloví M, et al.
Int J Radiat Biol 20:49-59, 1971
5-aminouracil treatment. A method for estimating G2.
Socher SH, et al. J Cell Biol 48:248-52, Feb 71
Effect of 5-bromouracil on the pattern of deoxyribonucleic acid replication in germinating Bacillus subtilis spores. Nagley P, et al.
J Mol Biol 43:619-30, 14 Aug 69
Inhibition of bacterial DNA replication by 6-(p-hydroxyphenylazo)-uracil: differential effect on repair and semi-conservative synthesis in Bacillus subtilis. Brown NC.
J Ohio State Dent Assoc 59:1-16, 14 Jul 71
6-(p-hydroxyphenylazo)-uracil: a selective inhibitor of

host DNA replication in phage-infected Bacillus subtilis. Brown NC.
Proc Natl Acad Sci USA 67:1454-61, Nov 70
Effect of 5-iodouracil and 2,6-diaminopurine on passive avoidance task. Reinis S.
Psychopharmacologia 19:34-9, 1971
[Induction of reverse mutations in a thymine dependent strain of Escherichia coli and a study of the donor capability of the revertants] Krivosheina GN.
Biull Eksp Biol Med 66:109-11, Aug 68 (Rus)
[Effect of 4-methyluracil on the functional state of skeletal muscle mitochondria] Lenkova RI, et al.
Tsitologiia 12:1456-9, 1970 (Rus)
[Effect of 4-methyluracil on enzymes of glycogen and glucose-6-phosphate metabolism in liver] Oreshchenko NI. Ukr Biokhim Zh 41:150-6, 1969 (Rus)
[Effect of pyrimidine derivatives on the formation of anti-Candida immunity] Bol'shakova EN.
Zh Mikrobiol Epidemiol Immunobiol 48:59-61, Feb 71 (Rus)

RADIATION EFFECTS

Uracil-thymine adduct from a mixture of uracil and thymine irradiated with ultraviolet light. Rhoades DF, et al. Biochemistry 9:4416-20, 27 Oct 70
Repairable and irrepairable damage in 5-bromouracil-substituted DNA exposed to ultra-violet radiation. Smets LA, et al.
Int J Radiat Biol 19:445-57, 1971
Adenine complexes of thymine and uracil: electron spin resonance and thermoluminescence investigations. Tatake VG, et al.
Int J Radiat Biol 19:485-92, 1971

THERAPEUTIC USE

[Effect of pentoxyl on the effectiveness of antibacterial agents in the treatment of pulmonary tuberculosis] Garbuz VM.
Antibiotiki 16:359-61, 1971 (Rus)
[Leucocytic interferon and its combination with methacil for the therapy of viral diseases of the eye] Mafchuk IuF, et al. Oftalmol Zh 26:193-5, 1971 (Rus)
[Prevention of recurrence of gastric and duodenal ulcer by methyluracil therapy in industrial plants] Svistunova IA. Sov Med 33:58-62, Dec 70 (Rus)
[Basis for the use of methyluracil and pentoxyl in surgery] Rusakov VI.
Vestn Khir 106:9-13, Mar 71 (Rus)
[Effect of 4-methyluracil on the antineoplastic and toxic effect of 6-mercaptopurine] Pol'kina RI.
Vopr Onkol 17:86, 1971 (Rus)

URACIL MUSTARD (D4)

PHARMACODYNAMICS

5-Aminouracil treatment. A method for estimating G2. Socher SH, et al. J Cell Biol 48:248-52, Feb 71

URACIL NUCLEOTIDES (D10)

Electroreduction of halogenopyrimidines. Electrochemical reduction of 5-halogenoderivatives of uracil, its nucleosides and oligonucleotides. Wrona M, et al. Acta Biochim Pol 17:351-60, 1970
Studies on UDP-glucose: D-fructose 2-glucosyltransferase from tapioca tuber. Shukla RN, et al. Arch Biochem Biophys 142:303-9, Jan 71
Site of inhibition of yeast lysyl tRNA synthetase by polyuridylic acid. Berry SA, et al.
Biochem Biophys Res Commun 39:691-8, 22 May 70
Formation of hairpin helices in uridylic acid oligomers. Dourlent M, et al.
Biochem Biophys Res Commun 41:1590-6, 24 Dec 70
Molecular conformational transition for sugar nucleotides. Hirano S.
Biochem Biophys Res Commun 43:1219-22, 18 Jun 71
A 31P NMR study of the association of uridine-3'-monophosphate to ribonuclease A. Lee GC, et al. Biochem Biophys Res Commun 43:142-8, 2 Apr 71
Inhibition of thymidylate synthetase by 5-formyl- and 5-hydroxymethyl-2'-deoxyuridylate. Santi DV, et al.
Biochem Biophys Res Commun 42:813-7, 5 Mar 71
The effect of steroids and nucleotidesoon solubilized bilirubin uridine diphosphate-glucuronyltransferase. Adiard BP, et al. Biochem J 119:437-45, Sep 70
Concerted reduction of yeast uridine diphosphate galactose 4-epimerase. Bertland AU 2d, et al.
Biochemistry 10:1545-51, 27 Apr 71
Kinetic and equilibrium studies on the interaction of ribonuclease A and 2'1-deoxyuridine 3'-phosphate. Walz FG Jr. Biochemistry 10:2156-62, 25 May 71
Enzymatic ethanolysis of uridine 5'-monophosphate. Buchowicz J, et al.
Biochim Biophys Acta 215:198-9, 21 Jul 70
Partial purification of hepatic UDP-glucuronyltransferase. Studies of some of its properties. Mowat AP, et al.
Biochim Biophys Acta 212:65-78, 15 Jul 70
Cooperative aspects of small ion, small molecule interactions with nucleic aicds. Potassium-polyriboadenylic acid, polyribouridylic acid. Hughes F. Biophys J 10:679-99, Aug 70
A proton magnetic resonance study of the interaction of adenylyl (3' is greater than 5') adenosine with polyuridylic acid. Kreishman GP, et al.
Biopolymers 10:159-74, 1971
Action of RNA polymerase from Escherichia coli. Homopolymerization with ATP and -or UTP as substrates in the absence of template. Schäfer KP, et al. Eur J Biochem 15:103-10, Jul 70
The function of pseudouridylic acid in transfer ribonucleic acid. IV. Cyanoethylation of fragments of Escherichia coli formylmethionine transfer ribonucleic acid and reconstitution of acceptor activity. Siddiqui MA, et al.
J Biol Chem 245:4409-13, 10 Sep 70
Uridine diphosphate galactose-4-epimerase, a developmentally regulated enzyme in the cellular slime mold Dictyostelium discoideum. Telser A, et al.
J Biol Chem 246:2253-7, 10 Apr 71
Poly 2-amino-6-N-methyladenylic acid: synthesis, characterization and interaction with polyuridylic acid. Ikeda K, et al. J Mol Biol 54:59-84, 28 Nov 70
Conformation of polyribouridylic acid in solution. Inners LD, et al. J Mol Biol 50:373-89, 14 Jun 70
Self-complementary oligoribonucleotides: adenylic acid-uridylic acid block copolymers. Martin FH, et al.
J Mol Biol 57:201-15, 28 Apr 71
Two- and three-stranded complexes containing homopolymers polyriboadenylic acid and polyribobromouridylic acid. Riley M, et al.
J Mol Biol 50:439-55, 14 Jun 70
A study of polyuridylic acid. Thrierr JC, et al.
J Mol Biol 58:815-30, 28 Jun 71
Absolute stereochemistry of the second step of ribonuclease action. Usher DA, et al.
Nature (Lond) 228:663-5, 14 Nov 70
[Enzymatic synthesis of UDP-C-14-glucose from C-14-glucose] Morozova AV, et al.
Biokhimiia 35:117-23, 1970 (Rus)
[Alcoholysis of uridine-2', 3'-cyclophosphate by uridine in the presence of pancreatic RNAase] Ustiuzhanin GE, et al. Biokhimiia 35:706-16, Jul-Aug 70 (Rus)

ANALYSIS

Enzymic determination of uracil nucleotides in tissues. Keppler D, et al. Anal Biochem 38:105-14, Nov 70
Procedure for the base composition of RNA especially suited for samples containing relatively large amounts of DNA and protein. Lees CW.
Anal Biochem 40:401-11, Apr 71
Identification of guanosine 5'-triphosphate and uridine 5'-triphosphate in subcellular monamine-storage organelles. Prada M da, et al.
Biochem J 119:117-9, Aug 70
[Content of minor nucleotides in messenger RNA in the mammary gland] El'skaia AV.
Ukr Biokhim Zh 42:723-6, 1970 (Ukr)

BIOSYNTHESIS

Labeling of rat liver glucose-1-phosphate, glucose-6-phosphate, uridine diphosphate glucose, and glycogen during glycogen synthesis. Das I, et al.
Arch Biochem Biophys 144:715-22, Jun 71
Measurement of uridine diphosphate glucuronic acid concentrations and synthesis in animal tissues. Zhivkov V. Biochem J 120:505-8, Dec 70
Synthesis of 5-fluorouridine 5'-phosphate by a pyrimidine phosphoribosyltransferase of mammalian origin. II. Correlation between the tumor levels of the enzyme and the 5-fluorouracil-promoted increase in survival of tumor-bearing mice. Reyes P, et al.
Biochem Pharmacol 18:2587-90, Oct 69
The biosynthesis of 4-thiouridylate. Separation and purification of two enzymes in the transfer ribonucleic acid-sulfurtransferase system. Abrell JW, et al. J Biol Chem 246:294-301, 25 Jan 71
Regulation of pyrimidine ribonucleoside incorporation in isolated bone cells. Stimulation by insulin and by 2,3-dihydroxy-1,4-dithiobutane (dithiothreitol). Peck WA, et al. J Biol Chem 246:4439-46, 25 Jul 71
The formation of uridine diphosphate-glucuronic acid in plants. Uridine diphosphate-glucuronic acid pyrophosphorylase from barley seedlings. Roberts RM. J Biol Chem 246:4995-5002, Aug 71
[Comparative studies of the desoxythymidylate synthesis in Plasmodium chabaudi, Trypanosoma gambiense and Trypanosoma lewisi] Walter RD, et al.
Z Tropenmed Parasitol 21:347-57, Dec 70 (Ger)
[Blood group substances in toads and frogs. 4. Biosynthesis of UDP-galactose and B1 active substances by homogenate of the gastric mucosa of bull-frogs] Yamamoto S.
Med Biol (Tokyo) 82:39-42, 10 Jan 71 (Jap)
[Possible existence of two methods for thymidylate synthesis in thymineless mutants of Escherichia coli K-12] Dekhtiarenko TD, et al.
Mikrobiol Zh 33:3-7, 1971 (Ukr)

CHEMICAL SYNTHESIS

A simple, economical synthesis of uridine diphospho-N-acetylgalactosamine-6-3H. Nelsestuen GL, et al. Anal Biochem 40:359-63, Apr 71

ISOLATION & PURIFICATION

A simple procedure for the preparation of UDP-N-acetylglucosamine-14C. Endo A, et al.
Biochem Biophys Res Commun 39:718-22, 22 May 70

METABOLISM

In vitro synthesis of particulate glycogen from uridine diphosphate glucose. II. Some studies on the growth process. Parodi AJ, et al.
Arch Biochem Biophys 141:219-27, Nov 70
The binding of aminoacyl-tRNA and poly U to a soluble factor (S) extracted from ribosomes. Brot N, et al.
Biochem Biophys Res Commun 40:696-707, 11 Aug 70
Relationship between uridine nucleotide sugar activation of glutamic dehydrogenases in fungi and existence of chitin and cellulose in their walls. LéJohn HB. Biochem Biophys Res Commun 42:538-44, 5 Feb 71
Transfer of N-acetylglucosamine from uridine diphosphate N-acetylglucosamine to 3,15 alpha-dihydroxyestra-1,3,5(10)-trien-17-one by human adult and fetal kidney homogenates. Cable RG, et al.
Biochemistry 9:4587-93, 16 Nov 70
Role of mammalian ribosomal sub-units and elongation factors in poly U-directed protein synthesis. Bustello E, et al. Biochim Biophys Acta 228:289-90, 1 Jan 71
Rous sarcoma virus-induced changes in uridine and UMP metabolism in chick chorioallantoic membrane. Dodge WH, et al.
Biochim Biophys Acta 217:199-201, 17 Sep 70
A protein factor stimulating binding and translating of polyuridylic acid by Escherichia coli ribosomes. Smolarsky M, et al.
Biochim Biophys Acta 213:401-16, 8 Aug 70
The incorporation of (3 H)uridine monophosphate into the rat brain during the training period. A microautoradiographic study. Pohle W, et al.
Brain Res 29:123-7, 4 Jun 71
The trapping of uridine phosphates by D-galactosamine, D-glucosamine, and 2-deoxy-D-galactose. A study on the mechanism of galactosamine hepatitis. Keppler DO, et al.
Eur J Biochem 17:246-53, Dec 70
Incorporation of 3H-UTP into mitochondria isolated from cytoplasmic and nuclear respiratory-deficient yeast mutants. Kuzela S, et al.
Experientia 26:940-1, 26 Sep 70
Metabolism of uridine nucleotides. II. Uridine nucleotides in liver and heart tissues. Boninsegna A, et al. Farmaco [Sci] 25:675-80, Sep 70
Cell damage by trapping of biosynthetic intermediates. The role of uracil nucleotides in experimental hepatitis. Decker K, et al.
Hoppe Seylers Z Physiol Chem 352:412-8, Mar 71
A poly U directed phenylalanine polymerizing system from Neurospora crassa: general characterization and ionic effects. Sturani E, et al.
Ital J Biochem 19:319-34, Sep-Oct 70
Sulfation of sugar nucleotides. 3. Diversity of sulfated sugar nucleotides occurring in hen oviduct. Nakanishi Y, et al. J Biol Chem 245:6046-51, 25 Nov 70
Sulfation of sugar nucleotides. II. A particulate sulfotransferase system catalyzing the sulfation of uridine diphosphate N-acetylgalactosamine. Tsuji M, et al. J Biol Chem 245:6039-45, 25 Nov 70
Ribonucleoside triphosphate-dependent pyrophosphate exchange of Reovirus cores. Wachsman JT, et al. J Virol 6:563-5, Oct 70
[Identification and quantitative study of uridinediphosphate acetylglucosamine in the leukocytes of leukemia patients and normal subjects] Vladimirova AD, et al.
Biull Eksp Biol Med 66:90-2, Nov 68 (Rus)

PHARMACODYNAMICS

The brain nucleotide pattern of the rat after injection of uracil, uridine and uridine phosphate. Piccoli F, et al. Acta Neurol (Napoli) 26:109-17, Jan-Feb 71
Leucine and phenylalanine incorporation by rat liver microsomes containing endogenous template RNA: a kinetic study of the effect of polyuridylic acid. Loeb JN. Arch Biochem Biophys 139:306-10, Aug 70
Tetrahydrodeoxyuridylate: a potent inhibitor of deoxycytidylate deaminase. Maley F, et al.
Arch Biochem Biophys 144:723-9, Jun 71
Biosynthesis of glycosaminoglycans in bovine cornea. The effet of uridine diphosphate xylose. Balduini C, et al. Biochem J 120:719-23, Dec 70
Studies on the effect of triphosphates of 5-aminouridine and 5-hydroxydeoxyuridine on ribonucleic acid and deoxyribonucleic acid polymerases. Roy-Burman S, et al.
Biochem Pharmacol 19:2745-56, Oct 70
2-thiouridine 5'-phosphate and its inhibition of aspartate transcarbamylase. Goodrich ME, et al.
Biochim Biophys Acta 222:631-6, 29 Dec 70
Corticosteroidogenesis in isolated adrenal cells of rats. I. Effect of corticotropins and 3',5'-cyclic nucleotides

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

on corticosterone production. Kitabchi AE, et al. Endocrinology 88:1109-16, May 71
Comparison of polyribonucleotide dependent polypeptide synthesis on isolated ribosomes from two different species of mycobacteria. Trnka L, et al. Folia Microbiol (Praha) 16:97-102, 1971
Feedback inhibition of L-glutamine D-fructose 6-phosphate amidotransferase by uridine diphosphate N-acetylglucosamine in Neurospora crassa. Endo A, et al. J Bacteriol 103:588-94, Sep 70
[Development of Ciona intestinalis eggs in presence of 2 synthetic polyribonucleotides used simultaneously] Pisanó A.
Acta Embryol Exp (Palermo) 2:123-31, 1970 (Ita)
[Inhibition of UPDG-4-epimerase by nucleoside monophosphates and nucleosidediphosphates] Druzhinina TN, et al. Biokhimiia 35:89-94, 1970 (Rus)

RADIATION EFFECTS

The role of uridine photoproducts in ultraviolet-irradiated polyuridylic acid used as messenger in protein synthesis in vitro. Eker AP, et al. Biochim Biophys Acta 217:527-30, 15 Oct 70

THERAPEUTIC USE

[Uridine enzymes in therapy of tinnitus and perceptual hypoacusia] Grande F.
Arch Ital Laringol 76:259-68, Sep-Oct 68 (Ita)
[Administration of uridinediphosphoglucose (UDPG) and behavior of blood bilirubin in the newborn] Marini A, et al.
Minerva Pediatr 21:1386-9, 28 Jul 69 (Ita)
[Uridinphosphoglucose and blood bilirubin changes in premature infants (comparative study in 12 pairs of homozygotic twins)] Vecchi C, et al.
Riv Clin Pediatr 82:433-7, Oct-Dec 69 (Ita)

URANIUM (D1)

Skin response to a point source of fissioned uranium-235 carbide. Dean PN, et al.
Health Phys 19:3-7, Jul 70
Development of a uranium mine research laboratory. Kaufman EL, et al. Health Phys 20:94-7, Jan 71
Chelation of uranyl ions by adenine nucleotides. IV. Nuclear magnetic resonance investigations, hydrogen-1 and phosphorus-31, of the uranyl-adenosine 5'-diphosphate and uranyl-adenosine 5'-triphosphate systems. Rich KE, et al. J Am Chem Soc 92:6818-25, 18 Nov 70
Electron staining with uranyl acetate. Possible role of free amino groups. Lombardi L, et al.
J Histochem Cytochem 19:161-8, Mar 71
Membrane staining by uranyl cation in smooth muscle. Wolowyk MW. J Physiol (Lond) 217:3P-5P, Aug 71
The morphological alteration of particulate glycogen by en bloc staining with uranyl acetate. Vye MV, et al.
J Ultrastruct Res 33:278-91, Nov 70
Environmental survey of uranium mill tailings pile, Monument Valley, Ariz. Snelling RN.
Radiol Health Data Rep 11:511-7, Oct 70
Avidity of folic acid for carcinogenic metal ions aluminium(3), chromium(3), beryllium(II), lead(II) and uranium(VI). Nayan R, et al.
Z Naturforsch [B] 25:1453-7, Dec 70
[Alkaline phosphatase in neutrophils in uranium mine workers] Kfiklava J, et al.
Cas Lek Cesk 110:317-8, Apr 71 (Cze)
[Binding of methylene blue in erythrocytes in uranium miners] Nosek J. Cas Lek Cesk 110:313-6, Apr 71 (Cze)
[Bronchial cancer in uranium miners] Lhotka J, et al.
Ann Chir Thorac Cardiovasc 7:503-4, Apr 68 (Fre)
[Problems of excretion analysis of Po 210 in miners in uranium industry] Hölgye Z.
Strahlentherapie 140:573-6, Nov 70 (Ger)
[Histochemistry of fluorescein angiogram] Mizuno K, et al. Acta Soc Ophthalmol Jap 75:84-8, 10 Jan 71 (Jap)
[The effect of uranium nitrate on the morphofunctional state of the thyroid gland in rabbits] Malenchenko AF, et al.
Biull Eksp Biol Med 71:36-8, Mar 71 (Rus)

ADVERSE EFFECTS

Histologic types of lung cancer among uranium miners. Saccomanno G, et al. Cancer 27:515-23, Mar 71
[Consequences of long-term effect of low radiation doses in uranium miners and possibilities of preventive drug treatment] Adámek M, et al.
Osterr Z Erforsch Bekaempf Krebskr 26:194-200, 1971 (Ger)

ANALYSIS

The nature of uranium occurrence in the leaves of Coprosma australis (A. Rich.) Robinson. Whitehead NE, et al. Aust J Biol Sci 24:67-73, Feb 71
The concentration and distribution of uranium in human skeletal tissues. Hamilton EI.
Calcif Tissue Res 7:150-62, 1971
The concentration of uranium in air from contrasted natural environments. Hamilton EI.
Health Phys 19:511-20, Oct 70
A five-year inhalation study with natural uranium dioxide (UO 2) dust. I. Retention and biologic effect in the monkey, dog and rat. Leach LJ, et al.
Health Phys 18:599-612, Jun 70
Microdetermination of uranium in tissues. Frigerio NA.
Int J Appl Radiat Isot 21:434-6, Jul 70
Environmental survey of uranium mill tailings pile, Mexican Hat, Utah. Snelling RN.
Radiol Health Data Rep 12:17-28, Jan 71
[Determination of the 234U-238U ratio in samples of natural water] Szy D, et al.
Mikrochim Acta 5:960-4, 1970 (Ger)

PHARMACODYNAMICS

Potentiation of contraction in some insect skeletal muscles--the effect of uranyl acetate. Huddart H.
Comp Biochem Physiol 27:429-38, Nov 68
Uranyl nitrate inhibition of transport systems in Saccharomyces cerevisiae. Maxwell WA, et al.
J Bacteriol 105:105-6, Mar 71
Modification of transmitter release by ions which prolong the presynaptic action potential. Benoit PR, et al. J Physiol (Lond) 210:681-95, Oct 70

POISONING

[Specificity of increased resistance of animals to repeated action of renal poisons] Vaksberg GM.
Patol Fiziol Eksp Ter 14:31-3, Jul-Aug 70 (Rus)

URINE

[Determination of enriched uranium in the urine] Efimova AN, et al. Gig Sanit 35:71-4, Dec 70 (Rus)

URATE OXIDASE (D9)

A new bacterial uricase for uric acid determination. Mahler JL. Anal Biochem 38:65-84, Nov 70
[Technic of determination of serum allantoin and study of the action of uricase] Stahl A, et al.
Ann Biol Clin (Paris) 28:377-85, 1970 (Fre)

ANTAGONISTS & INHIBITORS

[Model experiment for the detection of the pathomechanism of human shock kidney. Induction of acute uremic nephropathy by uricase inhibition in experimental animals under shock (preliminary report)] Domokos B, et al.
Orv Hetil 111:2354-6, 4 Oct 70 (Hun)

METABOLISM

Low uricase activity in the Dalmatian dog simulated in mongrels given oxonic acid. Yü TF, et al.
Am J Physiol 220:973-9, Apr 71
Subcellular particles in tumors. 3. Peroxisomal enzymes in hepatoma HC and Morris hepatomas 7794A, 7794B, 5123A and 7316A. Wattiaux R, et al.
Eur J Cancer 6:261-8, Jun 70

PHYSIOLOGY

Similar functions of uric acid and ascorbate in man? Proctor P. Nature (Lond) 228:868, 28 Nov 70

THERAPEUTIC USE

[Urate oxidase in the treatment of gout and hyperuricemia] Louyot P, et al.
Rev Rhum Mal Osteoartic 37:795-808, Dec 70 (Fre)
[Value of addition of a fungal urate oxidase to the dietary treatment of chronic uremia] Gross A, et al.
Therapie 26:13-26, Jan-Feb 71 (Fre)

URBAN DEVELOPMENT see URBAN RENEWAL (I)

URBAN PLANNING see CITY PLANNING (I)

URBAN POPULATION (N1)

A study of prevalence and biosocial variables in mental illness in a rural and an urban community in Uttar Pradesh--India. Dube KC.
Acta Psychiatr Scand 46:327-59, 1970
Educating teachers and children in law: an approach to reduced alienation in inner-city schools. Elson A, et al.
Am J Orthopsychiatry 40:870-8, Oct 70
Urban problems and the community mental health center: multiple mandates, difficult choices. 3. Race relations: a pervasive issue. Herbert AB, et al.
Am J Orthopsychiatry 41:158-67, Jan 71
Urban problems and the community mental health center: multiple mandates, difficult choices. I. Background and current status. Leopold RL.
Am J Orthopsychiatry 41:144-9, Jan 71
The inner city: setting, subgroups, psychopathology and service. Levine SV.
Am J Orthopsychiatry 41:168-77, Jan 71
A systems approach to the delivery of mental health services in black ghettos. Taber RH.
Am J Orthopsychiatry 40:702-9, Jul 70
Urban problems and the community mental health center: multiple mandates, difficult choices. 2. The impact on research and evaluation. Yudin LW, et al.
Am J Orthopsychiatry 41:149-57, Jan 71
Sociopsychiatric treatment of alcoholism in an urban ghetto. Zimberg S, et al.
Am J Psychiatry 127:1670-4, Jun 71
Evaluation of a mental health consultation service in a ghetto area. Scheidlinger S, et al.
Am J Psychother 24:485-93, Jul 70
The incidence of triplets and higher multiple births in some rural and urban populations in Western Nigeria. Nylander PP. Ann Hum Genet 34:409-15, May 71
Arterial blood pressures and hypertension in an urban African population sample. Johnson TO.
Br J Prev Soc Med 25:26-33, Feb 71
Air pollution, health effects and urban growth. Saylor LF. Calif Med 115:106-7, Jul 71
A community mental health service for Mexican-Americans in a metropolis. Karno M, et al.
Compr Psychiatry 12:116-21, Mar 71
Patterns of aging among the elderly poor of the inner city. Clark M. Gerontologist 11:Suppl:58-66, Spring 71
Anthropometric observations on urban primary school children. Kaul KK, et al.
Indian J Med Res 58:1257-71, Sep 70
A study of the menstrual pattern of school girls in an urban area. Koshi EP, et al.
Indian J Med Res 58:1647-52, Nov 70
A study on health of primary urban school children. Koshi ET, et al. Indian J Med Res 58:1742-52, Dec 70
A study on environment and morbidity in an urban area. Ghosh BN, et al.
Indian J Public Health 13:166-71, Oct 69
Comparison of the comfort conditions in different urban and suburban microenvironments. Clarke JF, et al. Int J Biometeorol 15:41-54, Mar 71
Dental services in the urban community. Dummett CO.
J Dent Educ 35:12-6, Jan 71
The pace of life and sensitivity to time in urban and rural settings. A preliminary study. Lowin A, et al.
J Soc Psychol 83:247-53, Apr 71
Ecology and environment. 3. Sanitation and housing for industrial workers. Janssens PG.
J Trop Med Hyg 73:299-309, Nov 70
Prevention of communicable disease. 2. The impact of communicable disease on the health of urban workers. Phoon WO. J Trop Med Hyg 73:317-23, Nov 70
Ecology and environment. 2. Nutrition in industrial populations in the tropics. Sai FT.
J Trop Med Hyg 73:294-8, Nov 70
New directions for an urban hospital. Bergen SS Jr, et al. JAMA 215:935-8, 8 Feb 71
The rural-to-urban malnutrition gradient. A key factor in the pathogenesis of urban slums. Krumdiek CL.
JAMA 215:1652-4, 8 Mar 71
Urban health services of the future. Importance of systems definitions of health and disease. Rashkis HA.
JAMA 217:803-5, 9 Aug 71
Where have all the teachers gone? Chekowsky R.
Ment Hyg 52:405-10, Jul 68
Utilization of a family planning program by the poor population of a metropolitan area. Beasley JD, et al.
Milbank Mem Fund Q 48:241-81, Apr 70
Family planning in the Negro ghettos of Chicago. Bogue DJ. Milbank Mem Fund Q 48:283-307, Apr 70
Fertility among urban blacks. Farley R.
Milbank Mem Fund Q 48:183-214, Apr 70
Contraceptive practice among urban blacks in the United States, 1965. Westoff CF, et al.
Milbank Mem Fund Q 48:215-39, Apr 70
Food supplies for urban populations in developing countries. Aylward F. Proc Nutr Soc 29:169-75, May 70
Factors affecting the nutritional status of urban communities. Qureshi RU.
Proc Nutr Soc 29:183-9, May 70
Protein deficiency in urban and rural areas: its measurement, size and nature. Sukhatme PV.
Proc Nutr Soc 29:176-83, May 70
Health programs: slum children suffer because of low funding. Bazell RJ. Science 172:921-5, 28 May 71
Environmental protection in the City of New York. Eisenbud M. Science 170:706-12, 13 Nov 70
Boston's sufferance of sulfur dioxide. MacKenzie JJ.
Science 172:792-3, 21 May 71
A challenge to youths: summer 1968. Cohn AH, et al.
Soc Sci Med 4:417-29, Nov 70
Studies of South African Bantu and Caucasian pre-school children. Mortality rates in urban and rural areas. Richardson BD.
Trans R Soc Trop Med Hyg 64:921-6, 1970
[Premarital sexual activity in cities] Meilan J, et al.
Cesk Psychiatr 66:348-51, Dec 70 (Cze)
[Social conditions of old people in the urban population] Zaremba V.
Cesk Zdrav 19:325-34, 1971 (Cze)
[The administration and play in town] Mazzolini P.
Agressologie 12:37-8, 1971 (Fre)
[Results of a nutrition survey of aged persons living alone in an urban milieu] Dupin H, et al.
Aliment Vie 58:202-12, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Anthropology and demography] Olivier G.
C R Acad Sci [D] (Paris) 272:1430-2, 8 Mar 71 (Fre)
[Psychologic solicitation and large urban centers] Huguet M. Can Med 12:155-60, 15 Feb 71 (Fre)
[The large city as a living space for man] Jürgens HW.
Stud Gen (Berl) 24:264-79, 1971 (Ger)
[Frequency and symptomatology of chronic depression in a large-city neurology practice] Gabriel E, et al.
Wien Z Nervenheilkd 28:255-64, 1970 (Ger)
[Longitudinal studies of ischemic heart disease in the male urban population. I. Review of literature and methods of the study] Santrůček M.
Z Gesamte Inn Med 26:352-5, 1 Jun 71 (Ger)
[Longitudinal studies of ischemic heart disease in the male urban population. II. Results and evaluation] Santrůček M.
Z Gesamte Inn Med 26:355-61, 1 Jun 71 (Ger)
[The geographical distribution of Hodgkin's disease and its urban-rural ratio in Northern Germany] Dörken H, et al. Z Krebsforsch 74:190-9, 1970 (Ger)
[Invalids under Social Security with nervous system diseases in a city population] Zieliński JJ, et al.
Neurol Neurochir Pol 4:529-36, Sep-Oct 70 (Pol)
[Microclimate and morbidity of the inhabitants of high-rise buildings] Shafir AA, et al.
Gig Sanit 36:31-5, 1971 (Rus)
[Basic achievements in 1968-1969 of scientific studies on the All-Union-wide problem "Scientific bases of hygiene of population centers"] Sidorenko GI, et al.
Gig Sanit 35:51-6, Sep 70 (Rus)
[Development of malignant tumors of the lungs under conditions prevailing in cities] Fershtudt VI.
Klin Med (Mosk) 48:52-5, Dec 70 (Rus)
[Tasks and role of the organizational-methodologic department in the urban public health system] Dreerman IaI. Sov Zdravookhr 30:27-9, 1971 (Rus)
[Preventive medical examinations of a practically healthy urban population] Podvarko IuA.
Sov Zdravookhr 29:15-20, 1970 (Rus)
[Population movement in Leningrad] Poliakov IV.
Sov Zdravookhr 29:22-6, 1970 (Rus)
[Morbidity of the urban population in relation to primarily mental or physical occupations] Stiagov GI.
Zdravookhr Ross Fed 15:7-11, Jan 71 (Rus)

URBAN RENEWAL (I)

see also related
HOUSING (G3, J)

East Harlem: an initial view. Bowens M, et al.
Mt Sinai J Med NY 38:243-56, Mar-Apr 71
The Housing Act 1969: standard and improvement grants. Stephenson HL.
R Soc Health J 91:36-9, Jan-Feb 71
Boston Hospital dispute: Harvard rectifies "expansionist" policies. Bazell RJ.
Science 171:358-61, 29 Jan 71

URBANIZATION (I)

Reduced population growth as related to the urbanization process: Medellin, Colombia. Marshall CL, et al. Clin Pediatr (Phila) 9:736-41, Dec 70
The university and the city. McCulloch WF, et al.
J Am Vet Med Assoc 157:1771-6, 1 Dec 70
Urbanization of the blacks. Price DO.
Milbank Mem Fund Q 48:47-67, Apr 70
Nutritional problems of urban communities. Aykroyd WR. Proc Nutr Soc 29:148-50, May 70
The growth and nature of urban areas in developing countries. Burke GL. Proc Nutr Soc 29:157-64, May 70
Food in nineteenth century England: nutrition in the first urban society. Oddy DJ.
Proc Nutr Soc 29:150-7, May 70
Urbanization in the arid lands. Hodge CO.
Science 170:655-6, 6 Nov 70
[Does medical expenditure vary with the rate of urbanization? With special reference to the Rhone-Alps area] Nelu Shavitt M.
Rev Lyon Med 19:719-37, 30 Nov 70 (Fre)
[Organization problems in health care within the framework of the systemization of rural colonization. II] Zamfir G, et al.
Z Gesamte Hyg 16:638-43, Aug 70 (Ger)
[Demographic adaptations to urban conditions] Korostelev GM, et al.
Sov Zdravookhr 29:35-6, 1970 (Rus)

UREA (D2)

see also related
BLOOD UREA NITROGEN (E1)

Structural investigations on pancreatic alpha-amylase. The effect of urea on the ultraviolet absorption. Elődi P, et al.
Acta Biochim Biophys Acad Sci Hung 5:449-62, 1970
Selective reaction of tyrosyl side chains with iodine in glyceraldehyde-3-phosphate dehydrogenase. 3. Specificity of the reaction in urea. Determination of reacting histidine and tryptophan (short communication). Libor S, et al.
Acta Biochim Biophys Acad Sci Hung 5:49-52, 1970
Effect of urea on pI's of ampholytes and casein in isoelectric focusing. Josephson RV, et al.
Anal Biochem 40:476-82, Apr 71
Hydration of macromolecules. II. Effects of urea on protein hydration. Kuntz ID Jr, et al.
Arch Biochem Biophys 142:660-4, Feb 71
On the mechanism of action of proteolytic inhibitors. IV. Effect of 8 M urea on the stability of trypsin in trypsin-inhibitor complexes. Levilliers N, et al.
Arch Biochem Biophys 140:474-83, Oct 70
Inhibition of delta-aminolevulinic acid dehydratase of Rhodopseudomonas spheroides by urea, guanidine and methyl derivatives of urea. Nandi DL.
Arch Biochem Biophys 142:157-62, Jan 71
Properties of spinach ferredoxin in anaerobic urea solution: a comparison with the native protein. Petering DH, et al.
Arch Biochem Biophys 141:456-64, Dec 70
Uremic toxins. Balestri PL, et al.
Arch Intern Med 126:843-5, Nov 70
Molecular conformational transition for sugar nucleotides. Hirano S.
Biochem Biophys Res Commun 43:1219-22, 18 Jun 71
DNA-RNA hybridization at low temperature in the presence of urea. Kourilsky P, et al.
Biochem Biophys Res Commun 41:1080-7, 25 Nov 70
Thermodynamics of the unfolding of beta-lactoglobulin A in aqueous urea solutions between 5 and 55 degrees. Pace NC, et al. Biochemistry 7:198-206, Jan 68
N-14 magnetic resonance study of the interaction of urea and guanidine hydrochloride with albumins. Fung BM, et al.
Biochim Biophys Acta 237:135-7, 20 Apr 71
Insolubilized trypsin with activity in 8 M urea. Gabel D, et al. Biochim Biophys Acta 214:561-3, 29 Sep 70
The effect of urea and temperature on red blood cell pyruvate kinase. Koster JF, et al.
Biochim Biophys Acta 236:362-5, 27 Apr 71
Isoelectric points and conformation of proteins. I. Effect of urea on the behavior of some proteins in isoelectric focusing. Ui N.
Biochim Biophys Acta 229:567-81, 23 Mar 71
Denaturation of globular proteins. 3. A comparative study of the interaction of urea with several proteins. Warren JR, et al.
Biochim Biophys Acta 229:216-25, 19 Jan 71
Urea inhibition of human pseudocholinesterase. A new method of detecting atypical pseudocholinesterase in homozygotes. Hanel HK, et al.
Br J Anaesth 43:51-3, Jan 71
Carcinogenicity of a single administration of N-nitrosomethylurea: a comparison between newborn and 5-week-old mice and rats. Terracini B, et al.
Br J Cancer 24:588-96, Sep 70
Sedation for cataract surgery. Comparison of Carbrital and neuroleptanalgesia. Chopdar A.
Br J Ophthalmol 54:687-9, Oct 70
The urease-catalyzed hydrolyses of some substituted ureas and esters of carbamic acid. Sundaram PV, et al.
Can J Biochem 48:1132-40, Oct 70
Effect of urea and guanidine hydrochloride on the biological activity of ovine follicle stimulating hormone (FSH). Hermier C, et al.
Endocrinology 87:1364-7, Dec 70
Effect of urea on the peptic proteolysis of ovalbumin. Tahin QS, et al. Enzymologia 39:284-8, 1970
Establishment of four lines of transplantable rat leukemia induced by N-nitrosobutylurea in Donryu rats. Odashima S, et al. Gann 61:597-600, Dec 70
Tissue-dependent differences in DNA methylation products of mice treated with methyl-labelled methylnitrosourea. Frei JV.
Int J Cancer 7:436-42, 15 May 71
Structure and function of chloroplast proteins. XI. Dissociation of spinach leaf ribulose-1,5-diphosphate carboxylase by urea. Sugiyama T, et al.
J Biochem (Tokyo) 68:821-31, Dec 70
Effect of urea on the divalent cation binding site of pyruvate kinase. Cottam GL, et al.
J Biol Chem 246:4363-5, 10 Jul 71
On the structural stability and solvent denaturation of proteins. II. Denaturation by the ureas. Herskovits TT, et al. J Biol Chem 245:4544-50, 10 Sep 70
Denaturation of globular proteins. II. The interaction of urea with lysozyme. Warren JR, et al.
J Biol Chem 245:4097-104, 25 Aug 70
Studies of hydrogen exchange in proteins. VI. Urea effects on ribonuclease exchange kinetics leading to a general model for hydrogen exchange from folded proteins. Woodward CK, et al.
J Biol Chem 246:4114-21, 10 Jul 71
Erythroid cell RNase: activation by urea and localization to the cell membrane. Burka ER.
J Clin Invest 50:60-8, Jan 71
Experimental tumour induction in the rat nervous system by N-ethyl N-nitrosourea. Jones EL, et al.
J Clin Pathol 24:481-2, Jul 71
Feed processing. VII. Effect of an expansion-processed mixture of grain and urea (starea) on rumen metabolism in cattle and on urea toxicity. Stiles DA, et al. J Dairy Sci 53:1436-47, Oct 70
Molecular weights of plant virus protein subunits determined by the meniscus depletion method using solvents containing urea. Paul HL, et al.
J Gen Virol 11:11-6, Apr 71
Effects of dose and schedule of methylnitrosourea on incidence of malignant lymphoma in adult female mice. Joshi VV, et al.
J Natl Cancer Inst 45:335-9, Aug 70
Kinetics of nitrosamide formation from alkylureas, N-alkylurethans, and alkylguanidines: possible implications for the etiology of human gastric cancer. Mirvish SS. J Natl Cancer Inst 46:1183-93, Jun 71
Quantitative assessment of supplemental amino acid needs for growing lambs fed urea as the sole nitrogen source. Nimrick K, et al. J Nutr 100:1201-6, Nov 70
Qualitative assessment of supplemental amino acid needs for growing lambs fed urea as the sole nitrogen source. Nimrick K, et al. J Nutr 100:1293-300, Nov 70
Influence of the branched-chain volatile fatty acids and phenylacetate on rminal microorganisms and nitrogen utilization by steers fed urea or isolated soy protein. Oltjen RR, et al. J Nutr 101:101-12, Jan 71
Mechanism of increased rates of dissolution and oral absorption of chloramphenicol from chloramphenicol-urea solid dispersion system. Chiou WL. J Pharm Sci 60:1406-8, Sep 71
Phase diagram and dissolution-rate studies on sulfathiazole-urea solid dispersions. Chiou WL, et al.
J Pharm Sci 60:1333-8, Sep 71
Solubility relationships in urea-water systems. Lindstrom RE. J Pharm Sci 59:1695-6, Nov 70
Salt effects in aqueous solutions of urea. Lindstrom RE, et al. J Pharm Sci 59:1625-30, Nov 70
Conformational analysis: optical rotation of polysaccharides in urea solution. Hirano S.
Life Sci [II] 10:151-5, 8 Feb 71
Letter to the editor. Braun BH.
Mutat Res 11:263, Feb 71
Urea-extractable antigens in normal, benign, and neoplastic mouse epidermis. Carruthers C.
Oncology 24:321-34, 1970
Urea-inorganic phosphate mixtures as prebiotic phosphorylating agents. Lohrmann R, et al.
Science 171:490-4, 5 Feb 71
Effects of N-nitroso-N-methylurea on enzymatic ontogeny associated with teratogenesis. Johnson EM, et al. Teratology 1:179-91, May 68
Reassembly of bacteriophage MS2 protein from 9 M urea. Oriel PJ, et al. Virology 42:1007-14, Dec 70
[Physical-chemical study of crystaline lysozyme. II. Effect of urea on thermal denaturation] Vincentelli JB, et al.
Arch Int Physiol Biochim 78:1014-5, Dec 70 (Fre)
[Use of conductometry in the study of enzymic reactions. Urea-urease system] Hanss M, et al.
Biochim Biophys Acta 227:630-8, 10 Mar 71 (Fre)
[Degradation mechanism of bromisoval, carbromal and other monoureides in the mass spectrometer] Rücker G, et al.
Arch Pharm (Weinheim) 303:901-6, Jul 70 (Ger)
[In vitro studies on the possible synthesis of cancerogenic nitrosamides in the stomach] Sander J, et al. Arzneim Forsch 21:411-4, Mar 71 (Ger)
[Carbamide resins and their use in technical orthopedics] Krieghoff R, et al.
Beitr Orthop Traumatol 16:146-50, Mar 69 (Ger)
[Elimination of turbidity during determination of plasma proteins with the biuret reagent] Hoffmann JP, et al.
Z Klin Chem Klin Biochem 8:595-8, Nov 70 (Ger)
[Selective induction of carcinomas of the glandular stomach by N-methyl-N-nitroso-N'-acetylurea(AcMNU) in rats] Druckrey H, et al.
Z Krebsforsch 75:23-33, 30 Nov 70 (Ger)
[Induction of neurogenic malignancies by one single dose of ethyl-nitrosourea (ENU) given to newborn and juvenile BD IX-strain rats] Druckrey H, et al.
Z Krebsforsch 74:141-61, 1970 (Ger)
[Carcinogen-induced diapiacental effects in the rat. (Histological findings and the kinetics of DNA metabolism following the application of aflatoxin B1, methyiazoxymethanol-acetate, and ethylnitrosourea)] Goertiler K, et al.
Z Krebsforsch 74:396-411, 1970 (Ger)
[Studies of metabolism in urea feed. 3. Microbial proteins] Harmeyer J, et al.
Z Tierphysiol 27:293-309, Jun 71 (Ger)
[Experimental rat tumors induced with administration of nitrosourea derivatives. II. Observations on the sterol composition] Grossi-Paoletti E, et al.
Acta Neurol (Napoli) 24:563-4, Jul-Aug 69 (Ita)
[Experimental rat tumors induced with administration of nitrosourea derivatives. I. Morphological and histochemical observations] Schiffer D, et al.
Acta Neurol (Napoli) 24:561-2, Jul-Aug 69 (Ita)
[Effect of various denaturants on the activity of cysteamine oxygenases] Fiori A, et al.
Acta Vitaminol Enzymol (Milano) 23:201-3, 1969 (Ita)
[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al.
J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)
[Effect of exogenous growth hormone in heifers fed fodder with addition of urea. II. Urea nitrogen and amino acids in serum and in cellular blood elements]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Baroj W, et al.
Acta Physiol Pol 21:259-68, Mar-Apr 70 (Pol)
[Effect of exogenous growth hormone in heifers fed fodder with addition of urea. I. Glucose and free fatty acids in the blood] Garwacki S, et al.
Acta Physiol Pol 21:251-8, Mar-Apr 70 (Pol)
[Enzymatic hydrolysis and the degree of dispersion of alpha S-casein following denaturation] Chernikov MP, et al. Vopr Med Khim 16:390-4, Jul-Aug 70 (Rus)

ADMINISTRATION & DOSAGE

Effect of acute urea administration on urinary nonurea solute concentration. Rabinowitz L, et al.
Am J Physiol 221:242-5, Jul 71
Therapeutics 13. Urea as a topical agent. Ashton H, et al. Br J Dermatol 84:194-6, Feb 71
Induction of therapeutic abortion with urea. Greenhalf JO. Br Med J 2:107, 10 Apr 71
Clinical trials of 1-beta-D-arabinofuranosyl cytosine and 1,3-bis-(2-chloroethyl)-1-nitrosourea combination in metastatic cancer and acute leukemia. Vogler WR. Cancer 27:1081-8, May 71
Clinical studies with 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (NSC 79037). Hansen HH, et al. Cancer Res 31:223-7, Mar 71
Calmurid: a urea cream for the skin.
Drug Ther Bull 9:29-30, 9 Apr 71
Feeding heated urea-cellulose preparations to ruminants. Daniels LB, et al.
J Anim Sci 32:348-53, Feb 71
The effect of a urea peroxide gel on plaque deposits and gingival status. Shipman B, et al.
J Periodontol 42:283-5, May 71
Acute and chronic studies using a new oral hypoglycemic agent, glyburide. Herrold JN, et al. Metabolism 20:414-21, Apr 71
Urea for sickle-cell crises. Nalbandian RM.
N Engl J Med 284:1381, 17 Jun 71
Clinical experience with glibenclamide in 129 unselected diabetic patients. Davidson M, et al.
Postgrad Med J Suppl:70-7, Dec 70
Clinical experience with glibenclamide. Galbraith HJ.
Postgrad Med J Suppl:95-7, Dec 70
Clinical use of glibenclamide in diabetes mellitus. Luntz GR. Postgrad Med J Suppl:84-7, Dec 70
[Oral antidiabetic monotherapy and combination treatment with glybenclamide (HB 419) and biguanides of insulin receiving diabetics of the adult type] Knick B, et al.
Med Klin 65:109-12, 16 Jan 70 (Ger)
[Transplacental formation of malignant tumors after oral administration of ethylurea and nitrite to rats] Ivankovic S, et al.
Naturwissenschaften 57:460, Sep 70 (Ger)
[Relation between dose and blood level of bromvalerylurea] Kojima T.
Jap J Leg Med 25:59-63, Jan 71 (Jap)
[Personal experience on the use of glybenclamide (a new oral hypoglycemic agent)] Rodríguez-Miñón JL, et al. Rev Clin Esp 117:371-4, 31 May 70 (Spa)

ADVERSE EFFECTS

Hazards of handling antineoplastic drugs. Gottlieb JA.
Pediatrics 47:480, Feb 71
[Risks of severe hypoglycemia after glibenclamide (daonil or euglucan). A report of 10 cases of coma observed during a period of 6 months] Raymond JP, et al. Diabete 19:31-2, Jan-Mar 71 (Fre)
[Skin deformity tumors in young pigs induced by transplacental action of ethyl-nitroso-urea. Genesis of hidradenoma] Kupfer M, et al.
Arch Geschwulstforsch 34:25-33, 1969 (Ger)
[On pathogenesis of purpura pigmentosa progressiva (with particular reference to adalin-induced purpura)] Illig L, et al.
Hautarzt 21:497-505, Nov 70 (Ger)
[Hypoglycemia after treatment with Glibenclamid (Euglucon 5)] Stötter G.
Munch Med Wochenschr 112:2192-4, 27 Nov 70 (Ger)

ANALYSIS

Determination of urea in blood and urine with a urea-sensitive electrode. Guilbault GG, et al.
Anal Chim Acta 52:237-94, Nov 70
Electrolyte, water and urea content of dog kidney in acute salt depletion. Khoyi MA, et al.
Isr J Med Sci 6:351-7, May-Jun 70
Amniotic fluid urea and creatinine in normal pregnancy and in pre-eclampsia. Roopnarinesingh S, et al.
J Obstet Gynaecol Br Commonw 78:29-33, Jan 71
Sodium and urea concentrations in renal papillary fluid of rats, with dehydration and vasopressin (Pitressin) administration. Lee J, et al.
J Physiol (Lond) 215:41P-42P, May 71
[A method for the experimental demonstration of the sympathetic irritation following exogenic noxae] Kutschera E, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:140-6, 1971 (Ger)
[The composition of normal human stratum corneum and callus. 3. Lactic acid, creatine, creatinine, urea and choline] Jacobi O.
Arch Dermatol Forsch 40:107-18, 1970 (Ger)
[The composition of normal human stratum corneum and callus. 3. Lactic acid, creatine, creatinine, urea and choline] Jacobi O.
Arch Dermatol Forsch 240:107-18, 1970 (Ger)
[Identification and quantitative determination of ureides, methaqualone and barbiturates in autopsy material by NMR-spectroscopy] Rücker G, et al.
Arch Toxikol 27:165-72, 1971 (Ger)
[Nephrographic findings in retention of substances normally contained in the urine--Preliminary report] Müller H, et al.
Munch Med Wochenschr 113:580-1, 9 Apr 71 (Ger)
[Analysis of isoindoline derivatives. 6. Qualitative and physical-chemical studies of isoindoline-arylsulfonylurea binding and isoindoline nitrourea] Horsch W, et al.
Pharmazie 26:152-5, Mar 71 (Ger)
[Analysis of isoindoline derivatives. 7. Determination of isoindolin-arylsulphonylurea derivatives] Petzold J, et al. Pharmazie 26:207-11, Apr 71 (Ger)
[Simple colorimetric ultramicromethod for fast determination of urea] Lazaroff N.
Z Med Labortech 12:43-7, 1971 (Ger)
[Determination of creatinine, urea and uric acid in amniotic fluid] Pontrelli VC, et al.
Riv Anat Patol Oncol 33:739-53, 1968 (Ita)
[Direct determination of bromisoval, carbromal and chlorophenothane in non-aqueous medium] Groszkowski S, et al.
Acta Pol Pharm 27:385-8, 1970 (Pol)
[Effect of tetracycline on the gastric secretion in dogs under various condition of the nervous system] Govorovich EA, et al. Antibiotiki 16:309-12, 1971 (Rus)
[Significance of the glucose and urea content of the amniotic fluid] González A, et al.
Acta Obstet Ginecol Hisp Lusit Suppl 1:19-22, 1970 (Spa)

BIOSYNTHESIS

Studies on the origin of urea in submaxillary and sublingual glands of the rat. Swiątkowska B, et al.
Acta Biochim Pol 17:203-8, 1970
Nitrogen metabolism in the perfused rat liver. Chamalaun RA, et al.
Biochim Biophys Acta 222:119-34, 27 Oct 70
Sources of urea in Neurospora. Davis RH.
Biochim Biophys Acta 215:412-4, 14 Aug 70
Osmotic control and urea biosynthesis in selachians. Alexander MD, et al.
Comp Biochem Physiol 26:971-8, Sep 68
Effect of ethionine on urea synthesis in rat liver. Grillo MA, et al. Ital J Biochem 15:60-5, Jan-Feb 66
Urea metabolism in sulfate-deprived and sulfate-supplemented rats. Brown RG, et al.
J Anim Sci 32:1164-8, Jun 71
Urea biosynthesis in a surviving amphibian liver cube preparation. Shambaugh GE 3d, et al.
J Biol Chem 245:4028-30, 25 Aug 70
The effect of the administration of L-tryptophan on synthesis of urea and gluconeogenesis in man. Fürst P, et al. Scand J Clin Lab Invest 27:183-91, Apr 71
[The development of urea biosynthesis in mammals. An example of biochemical adaptation] Räihä NC.
Duodecim 87:892-9, 1971 (Fin)
[Stimulation by antilipolytic agents of urea synthesis in livers of fasting rats] Hasselblatt A, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:349, 1970 (Ger)

BLOOD

Blood urea measurement as a technique for assessing protein quality. Eggum BO. Br J Nutr 24:983-8, Dec 70
Acid-base status and azostix. Hall SM, et al.
Br Med J 3:434, 14 Aug 71
Ultramicrodetermination of plasma urea by reaction with diacetylmonoxime--antipyrine without deproteinization. Ceriotti G.
Clin Chem 17:400-2, May 71
Biochemical normals in Nigerians with particular reference to electrolytes and urea. McFarlane H, et al.
Clin Chim Acta 29:273-81, Aug 70
Acute changes in inorganic phosphorus, urea, and alkaline phosphatase of plasma and glomerular filtration rate during the development of soft tissue calcification in the KK mice fed a diet low in magnesium and high in phosphorus. Hamuro Y.
J Nutr 101:635-43, May 71
An adaptation of the "diacetyl monoxime" method for blood urea estimation, suitable for "on call" work. Ellis DJ. Med Lab Technol 28:40-3, Jan 71
Relationship of urea retention to the urea space and the blood urea level in fasting sheep. Havassy I, et al.
Physiol Bohemoslov 19:107-11, 1970
Dynamics of blood urea and ruminal ammonia in fasting sheep. Várady J, et al.
Physiol Bohemoslov 19:519-22, 1970
Assessment of a rapid bedside method for measuring blood urea. Notelovitz M, et al.
S Afr Med J 44:1383-6, 12 Dec 70
Blood urea in the bovine animal. Campbell JR, et al.
Vet Rec 87:127-32, 1 Aug 70
[Determination of serum urea on automatic analyser] Franěk K. Cas Lek Cesk 110:529-31, 1971 (Cze)
[A possible relation between blood urea levels and vasotocin contents of the neurohypophysis in some fishes] Chauvet J, et al.
C R Acad Sci [D] (Paris) 272:1669-71, 22 Mar 71 (Fre)
[Comparative studies on the efficiency of rapid paper-chromatography test for quantitative determination of serum urea] Reiterer W.
Wien Med Wochenschr 121:453-5, 29 May 71 (Ger)
[Relation between dose and blood level of bromvalerylurea] Kojima T.
Jap J Leg Med 25:59-63, Jan 71 (Jap)
[A new blood deproteinizing agent used in determination of blood sugar with the Folin-Wu method] Tănăsescu G, et al.
Fiziol Norm Patol 17:255-60, 1971 (Rum)
[Use of dimethylglyoxime for the determination of urea in urine and blood by colorimetric method] Petrun' NM, et al. Lab Delo 7:414-5, 1970 (Rus)

CHEMICAL SYNTHESIS

[N-(2-hydroxyalkyloxy)-phthalimide. 2] Kliegel W.
Pharmazie 25:525-9, Sep 70 (Ger)

DIAGNOSTIC USE

[Test of wash-out with urea in 12 cases of reno-vascular hypertension submitted to surgery. (Partial positive test in the branch stenosis)] Bernard J, et al.
J Radiol Electrol Med Nucl 51:767-72, Dec 70 (Fre)

METABOLISM

Effect of antigammaglobulin-thyroxine complex on the urea excretion of tadpoles. Medda AK.
Acta Endocrinol (Kbh) 66:648-52, Apr 71
The effect of prior diet upon glucose and glibenclamide pancreatic insulin response. Gagliardino JJ, et al.
Acta Physiol Lat Am 20:50-7, 1970
Effects of variations in the extracellular osmolality on the permeability to nonelectrolytes of vascular smooth muscle. Jonsson O.
Acta Physiol Scand 81:528-39, Apr 71
Placental membrane permeability to creatinine and urea. Moore WM, et al.
Am J Obstet Gynecol 108:635-7, 15 Oct 70
Osmoregulation and urea metabolism in the little skate Raja erinacea. Goldstein L, et al.
Am J Physiol 220:742-6, Mar 71
Effect of carbon dioxide on urea diffusion through bovine ruminal epithelium. Thoriacius SO, et al.
Am J Physiol 220:162-70, Jan 71
Equilibration of hypertonic solutions of urea and ammonia in the body fluids: study by following levels in blood and thoracic-duct lymph. Keynes WM.
Ann Surg 174:167-76, Aug 71
Nitrogen metabolism of aquatic organisms. I. The assimilation and formation of urea in Ochromonas malhamensis. Lui NS, et al.
Arch Biochem Biophys 139:269-77, Aug 70
The effect of vasopressin on renal transport of urea and water in dogs with experimental diabetes insipidus. Kauker M, et al.
Arch Int Pharmacodyn Ther 185:174-84, May 70
Use of different sources of nitrogen in uremia. Giordano C, et al. Arch Intern Med 126:787-9, Nov 70
Effect of urea concentration on its utilization, on the pH and the formation of ammonia and carbon dioxide in a human salivary sediment system. Biswas SD, et al.
Arch Oral Biol 16:759-80, Jul 71
Arteriovenous differences in concentration of haemoglobin and urea across the forestomachs of sheep given lucerne chaff. Hecker JF, et al.
Aust J Biol Sci 24:403-5, Apr 71
Enzymatic degradation of ureidoglycine by Pseudomonas acidovorans. Wu CH, et al.
Biochem Biophys Res Commun 39:976-82, 5 Jun 70
The permeability of the rumen to simple nitrogenous compounds. Mooney P, et al.
Biochem J 119:18P-19P, Sep 70
Uptake and distribution of 4,4'-diacetyl-diphenyl-urea-bis-guanylhydrazone in sensitive and resistant sarcoma 180 cells in vitro. Hakala MT. Biochem Pharmacol 20:81-95, Jan 71
Some aspects of uptake of non-metabolites in slices of mouse brain. Piccoli F, et al.
Biochim Biophys Acta 225:356-69, 2 Feb 71
Ammonia in the large intestine of herbivores. Hecker JF. Br J Nutr 26:135-45, Sep 71
The effect of dietary content of plant protein on the utilization of urea in the bovine rumen. Nikolić JA, et al. Br J Nutr 26:237-47, Sep 71
Metabolism of urea in late pregnancy and the possible contribution of amino acid carbon to glucose synthesis in sheep. Nolan JV, et al. Br J Nutr 24:905-15, Dec 70
Behavior of urease added to unsterilized, steam-sterilized, and gamma radiation-sterilized black spruce humus. Roberge MR.
Can J Microbiol 16:865-70, Sep 70
The uptake, distribution, and antitumor activity of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea in the murine glioma. Levin VA, et al.
Cancer Res 30:2451-5, Oct 70
Responsiveness of two urea cycle enzymes in Morris hepatomas to metabolic modulations. Wu C, et al.
Cancer Res 31:12-8, Jan 71
The effect of vasopressin on the reabsorption of sodium, potassium and urea by the renal tubules in man. Barraclough MA, et al. Clin Sci 39:517-27, Oct 70
Non-electrolyte permeability across Bufo bufo gall-bladder. Lippe C, et al.
Comp Biochem Physiol 38:473-5, 1 Feb 71
A study of ammonia and urea production and excretion in the fresh-water-adapted form of the Pacific lempry, Entosphenus tridentatus. Read LJ.
Comp Biochem Physiol 26:455-66, Aug 68
The development of urea cycle enzyme activity in the liver of foetal and neonatal rats. Miller AL, et al.
Enzymol Biol Clin (Basel) 11:497-503, 1970
The influence of urea on the growth of Proteus mirabilis. MacLaren DM.
Guys Hosp Rep 119:133-43, 1970
Studies on the biochemical process in the rumen. V. Effect of different levels of urea nitrogen on 'in vitro' digestion of cellulose by rumen micro-organisms from zebu cattle and buffalo. Ichhponani JS, et al.
Indian Vet J 48:355-61, Apr 71
Influence of cobalt supplementation on growth and digestibility of nutrient in rations containing urea. Singh UB. Indian Vet J 47:680-5, Aug 70
Evidence of formation of N-methul-N-nitrosourea in rats given N-methylurea and sodium nitrite. Montesano R, et al. Int J Cancer 7:249-55, 15 Mar 71
Metabolism of
3-(p-bromophenyl)-1-methoxy-1-methylurea (metobromuron) by selected soil microorganisms. Tweedy BG, et al.
J Agric Food Chem 18:851-3, Sep-Oct 70
Ammonia intoxication resulting from urea ingestion by ponies. Hintz HF, et al.
J Am Vet Med Assoc 157:963-6, 1 Oct 70
Hydrolysis of 14 C-biuret by in vitro rumen fermentation and crude biuretase preparations. Bauriedel WR. J Anim Sci 32:704-10, Apr 71
Hydrolysis of 15 N-biuret by in vitro rumen fermentation and ruminal biuretase. Bauriedel WR, et al. J Anim Sci 32:711-5, Apr 71
Urea as a nitrogen source for pigs fed diets supplemented with lysine and methionine. Grimson RE, et al. J Anim Sci 33:58-63, Jul 71
CO2 fixation and the involvement of allophanate in the biotin-enzyme-catalyzed cleavage of urea. Roon RJ, et al. J Biol Chem 245:4593-5, 10 Sep 70
Solute transport across polyelectrolyte complex membranes. Ryu SM, et al.
J Biomed Mater Res 5:287-306, Jul 71
Interrelationships of urea, protein, and productive factors in lactating cows. Polan CE, et al.
J Dairy Sci 53:1578-83, Nov 70
Effects of concentrate on barley silage and nitrogen utilization by lactating cows fed large amounts of urea. Polan CE, et al. J Dairy Sci 53:1584-6, Nov 70
Studies on the transition to ureotelism in the earthworm Lumbricus terrestris L. Tillinghast EK, et al. J Exp Zool 177:1-7, May 71
Peritoneal clearance of urea and potassium and protein removal during acute peritonitis in dogs. Meengs W, et al. J Lab Clin Med 76:903-6, Dec 70
Studies on the tissue distribution of
125-I-iodopropamide in the dog. Boyd CM, et al.
J Nucl Med 12:117-8, Mar 71
Human utilization of urea nitrogen in low calorie diets. Galina DL, et al. J Nutr 101:1029-35, Aug 71
Effects of prolonged saline exposure on water, sodium and urea transport and on electron-microscopical characteristics of the isolated urinary bladder of the toad Bufo bufo. Ackrill P, et al.
J Physiol (Lond) 210:73-85, Sep 70
Placental permeability to creatinine and urea. Moore WM. J Reprod Fertil 25:456, Jun 71
Observations on plasma urea turnover and renal urea excretion in goats. Ide Y.
Jap J Vet Sci 33:179-85, Aug 71
Freshwater stingrays, Potamotrygon spp.: failure to concentrate urea when exposed to saline medium. Thorson TB. Life Sci [II] 9:893-900, 8 Aug 70
Urea metabolism in patients with chronic renal failure: influence of sodium bicarbonate or sodium chloride administration. Blom van Assendelft PM, et al.
Metabolism 19:1053-63, Dec 70
Dynamics of blood to cerebrospinal fluid urea transport: a mathematical model. Yarnell PR, et al.
Neurology (Minneap) 20:403-4, Apr 70
Transtubular movement of urea at different degrees of water diuresis. Armsen T, et al.
Pfluegers Arch 326:270-80, 1971
Relationship of urea retention to the urea space in fasting sheep with a reduced water intake. Havassy I, et al. Physiol Bohemoslov 19:523-7, 1970
Relationship of urea retention to the urea space and the blood urea level in fasting sheep. Havassy I, et al.
Physiol Bohemoslov 19:107-11, 1970
Studies with 14C-labelled glibenclaide. Anderson J, et al. Postgrad Med J Suppl:42-5, Dec 70
The supplementation of a low-nitrogen hay with urea and its effect on nitrogen transformations within the alimentary tract of adult sheep. Beever DE, et al.
Proc Nutr Soc 30:15A-16A, May 71
Movements of ammonia following intraruminal administration of urea or casein. Chalmers MI, et al.
Proc Nutr Soc 30:7-17, May 71
The effects of diet and pentagastrin on the influx of urea into the rumen of sheep. Harrop CJ, et al.
Proc Nutr Soc 30:3A-4A, May 71
Permeability of superficial proximal tubules and loops of henle to urea in rats. Wilczewski TW, et al.
Proc Soc Exp Biol Med 135:809-12, Dec 70
Renal tubular reabsorption of urea in sheep. Scott D, et al. Q J Exp Physiol 55:275-83, Oct 70
Urea cycle enzyme adaptation to dietary protein in primates. Nuzum CT, et al. Science 172:1042-3, 4 Jun 71
[Urea in several fresh water teleosts] Vellas F, et al.
Arch Sci Physiol (Paris) 24:307-13, 1970 (Fre)
[Reoxidation of the fluorescence quencher "Q" in the presence of 3-(3,4-
dichlorophenyl)-1,1-dimethylurea] Bennoun P.
Biochim Biophys Acta 216:357-63, 1 Sep 70 (Fre)
[Influence of technological processing of energetic food (immature barley) on the metabolism of carbohydrates and urea in the rumen of sheep] Durand M.
C R Acad Sci [D] (Paris) 271:2167-70, 9 Dec 70 (Fre)
[Studies on the metabolism of arginine in Ustilago cynodontis. Demonstration of the enzymes of the urea cycle] Prieur P.
C R Acad Sci [D] (Paris) 272:1553-5, 15 Mar 71 (Fre)
[Alkylation of nuclear DNA of various rat organs by nitrosomethyl urea in vivo] Wunderlich V, et al.
Arch Geschwulstforsch 35:251-8, 1970 (Ger)
[Toxicity of 1-(3,4-dichlorophenyl)-3,3-dimethylurea (Diurone) and its metabolism in man] Geldmacher-von Mallinck, et al.
Arch Toxikol 27:187-92, 1971 (Ger)
[The distribution of labelled urea following hemodialysis] Zimmermann E.
Int Z Klin Pharmakol Ther Toxikol 4:352-5, Apr 71 (Ger)
[Enzymatic disturbances in the urea cycle] Colombo JP. Monatsschr Kinderheilkd 117:29-31, Jan 69 (Ger)
[Influence of net flux of water on the absorption of drugs] Ochsenfahrt H, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:414-5, 1970 (Ger)
[Influence of blood flow on the absorption of urea, methanol and ethanol from the rat jejunum] Winne D, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:392-416, 1971 (Ger)
[Metabolism of the isolated perfused rat liver after in vitro irradiation. II. Intracellular and extracellular contents of free amino acids, taurine and urea] Stähler F, et al.
Strahlentherapie 140:213-20, Aug 70 (Ger)
[Studies of the utilization of urea in ruminants. A. Lactation. 3. Digestibility of raw nutrients at urea addition] Farries FE, et al.
Z Tierphysiol 25:282-90, Oct 69 (Ger)
[Metabolic studies in urea feeding. 2. Amino acids in rumen fluid] Harmeyer J, et al.
Z Tierphysiol 27:150-8, Mar 71 (Ger)
[Utilization of urea in ruminants. A. Lactation. II. Utilization of nitrogen at urea addition] Möller PD, et al. Z Tierphysiol 25:219-29, Sep 69 (Ger)
[In vitro studies on the question of urea transformation in ruminal fluid. 1. Influence of the study method on ureolysis] Müller R, et al.
Z Tierphysiol 26:236-43, Aug 70 (Ger)
[In vitro studies on the question of urea transformation in ruminal fluid. 2. Inhibitors and activators of ureolysis] Müller R, et al.
Z Tierphysiol 27:35-44, Nov 70 (Ger)
[The setting free of lixiviatable nitrogen from ureaform by microorganisms] Müller G, et al.
Zentralbl Bakteriol [Naturwiss] 125:23-38, 1970 (Ger)
[Placental passage of sulfacarbamide] Otto W, et al.
Zentralbl Gynaekol 93:552-7, 24 Apr 71 (Ger)
[Permeability of trout (Salmo trutta fario) erythrocytes to non-electrolytes] Bolis L, et al.
Boll Soc Ital Biol Sper 46:652-5, 15 Aug 70 (Ita)
[Ammonia, glutamine and urea concentration in the brain tissue of suslik during winter hibernation] Emirbekov EZ, et al.
Biull Eksp Biol Med 69:84-6, Apr 70 (Rus)
[Urea as a source of nutrient nitrogen for rainbow trout (Salmo irideus Gib)] Kniazeva LM.
Dokl Akad Nauk SSSR 195:249-51, 1970 (Rus)
[Metabolism of free and protein-bound urea in crystalline lenses in normal condition and in cataract] Gershenovich ZS, et al.
Vestn Oftalmol 4:62-4, 1970 (Rus)

PHARMACODYNAMICS

The effect of urea and related compounds on the morphology and energy metabolism of erythrocytes. Szász I, et al.
Acta Biochim Biophys Acad Sci Hung 5:309-11, 1970
Structure and function of electron transport systems. Effects of diethylether and urea on the system from Rhodospirillum rubrum. Boll M.
Arch Mikrobiol 76:174-82, 1971
Effects of systemically administered drugs on intraocular pressure in rabbits. Burberi P, et al.
Arzneim Forsch 20:1143-7, Aug 70
Some aspects of the mechanism of action of 1-propyl-1-nitrosourea. Gorbacheva LB, et al.
Biochem Pharmacol 19:1561-8, May 70
Dissociation of rat liver ribosomes to active subunits by urea. Petermann ML, et al.
Biochemistry 10:2770-5, 6 Jul 71
3-(3,4-dichlorophenyl)-1, 1-dimethylurea-insensitive oxygen production in a cell-free preparation from Phormidium luridum that shows redox potential dependent coupling to one-electron oxidants. Diner BA, et al. Biochim Biophys Acta 226:492-7, 2 Mar 71
The effect of urea, sodium and calcium on microsomal ATPase activity in different parts of the kidney. Gutman Y, et al.
Biochim Biophys Acta 233:133-6, 9 Mar 71
Selective extraction of histones with sodium chloride and urea. Senshu T.
Biochim Biophys Acta 236:349-52, 27 Apr 71
Quantitative EEG analysis of single-dose effect relationships in normal volunteers of Pacinox (ca,puride), a new antianxiety drug. Goldstein L, et al.
Biol Psychiatry 3:165-72, 1971
Urea inhibition of human pseudocholinesterase. Zsigmond EK. Br J Anaesth 43:819, Aug 71
Therapeutics 13. Urea as a topical agent. Ashton H, et al. Br J Dermatol 84:194-6, Feb 71
The effect of urea upon the activity measurement of cod muscle cathepsin with hemoglobin substrate. Wojtowicz MB, et al. Can J Biochem 48:1060-3, Sep 70
Reversible inactivation and dissociation of glutamine synthetase of Neurospora crassa by urea. Ward GW, et al. Can J Microbiol 17:451-9, Apr 71
The effects of 1,3-bis(2-chloroethyl)-1-nitrosourea on survival and cell progression in Chinese hamster cells. Barranco SC, et al. Cancer Res 31:191-5, Feb 71
Selective metabolic effects of
1,3-bis(2-chloroethyl)-1-nitrosourea upon de novo purine biosynthesis. Groth DP, et al.
Cancer Res 31:332-6, Mar 71
Ultrastructure of induced transitions in the chromatin organization of Drosophila polytene chromosomes. Sorsa V, et al. Chromosoma 31:346-55, 1970
The inhibitory effect of the urea-urease system on human tissue alkaline phosphatases. Metz M, et al.
Clin Chim Acta 30:325-30, Nov 70
Effect of streptozotocin on glucose-induced insulin secretion by isolated islets of Langerhans. Goldon P, et al. Diabetes 20:513-8, Aug 71
Studies on continuous enzyme reactions. VII. Activation of water-insoluble aminoacylase by protein denaturing agents. Tosa T, et al.
Enzymologia 40:49-63, 31 Jan 71
Structural changes in Euglena gracilis grown autotrophically in the light with
3,(3,4-dichlorophenyl)-1, 1-dimethyl urea (DCMU). Shneyour A, et al. Exp Cell Res 58:1-9, Nov 69
Effect of feeding urea on the levels of true protein and non-protein nitrogen in the blood of cow and buffalo calves. Patel BM, et al. Indian Vet J 48:278-81, Mar 71
The effect of autogenous urine on leukocytic defenses in man. II. The response to varied concentrations of saline, urea, and urine. Johnson AJ, et al.
Invest Urol 8:224-30, Sep 70
Urea and aldrin in all-concentrate and high roughage diets fed to diethystilbestrol-implanted heifers. Bond J, et al. J Anim Sci 33:520-6, Aug 71
Biuret and urea in supplements for bovines fed green chop elephant grass. Chicco CF, et al.
J Anim Sci 33:133-6, Jul 71
Effect of dehydrated alfalfa meal and of fish solubles on growth and nitrogen and energy balance of lambs and beef cattle fed a high urea liquid supplement. Velloso L, et al. J Anim Sci 32:764-8, Apr 71
Elimination of sex factors in Escherichia coli by urea. Tomoeda M, et al. J Bacteriol 104:864-70, Nov 70
Microtubules in the heliozoan axopodium. 3. Degradation and reformation after dilute urea treatment. Shigenaka Y, et al.
J Cell Sci 8:127-51, Jan 71
Frequent feeding of a corn silage-urea-concentrate blended ration to lactating dairy cows. Martz FA, et al.
J Dairy Sci 54:493-6, Apr 71
The effects of substituting solutions of urea, glucose and potassium chloride for drinking water on the neurohypophysial vasopressin content of rats. Dyball RE, et al. J Endocrinol 49:185-6, Jan 71
Centrally acting cyclic urea, thiourea, and their N,N'-dialkyl derivatives. Structure--activity correlations. Hussain MH, et al.
J Med Chem 14:138-44, Feb 71
Influence of urea, biuret and starch on amino acid patterns in ruminal bacteria and blood plasma and on nitrogen balance of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:839-46, Jul 71
Influence of starch and nitrogen sources on ruminal microorganisms of steers fed high fiber purified diets. Slyter LL, et al. J Nutr 101:847-53, Jul 71
Behavior of erythrocytes in various solvent systems.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

VI. Water-tetramethylurea. Cadwallader DE, et al. J Pharm Sci 59:1243-5, Sep 70

Effect of urea and other organic substances on the ultrasonic absorption of protein solutions. Lang J, et al. J Phys Chem 75:374-9, 4 Feb 71

Infection of actinomycin-permeable mutants of Escherichia coli with urea-disrupted bacteriophage. Iida S, et al. J Virol 7:121-6, Jan 71

Effect of urea derivatives and analgetics on the permeability to water and electrical properties of the urinary bladder of the toad. Shirai D, et al. Jap Circ J 34:803-8, Jul 70

Effect of certain chemical fertilizers on the rhizosphere myco-flora of Oryza sativa. I. Nitrogenous fertilizers: ammonium nitrate and urea. Mishra RR. Mycopathol Mycol Appl 44:167-76, 3 May 71

The effects of various treatments on the surfaces of the cercariae and schistocomula of Schistosoma mansoni. Kusel JR. Parasitology 62:199-207, Apr 71

Effects of optically active 1-(alpha-methylbenzyl)-3-(3,4-dichlorophenyl)urea on reactions of mitochondria and chloroplasts. Moreland DE, et al. Plant Physiol 47:53-8, Jan 71

Experimental studies with glibenclamide in the rat. Alberti KG, et al. Postgrad Med J Suppl:9-15, Dec 70

Antithyroid effect of glibenclamide on the rat and mouse. Cheema AM, et al. Postgrad Med J Suppl:24-7, Dec 70

The effect of glibenclamide on glucose uptake in the isolated rat diaphragm. Standing VF, et al. Postgrad Med J Suppl:16-20, Dec 70

Comparative studies of the effects of glibenclamide and tolbutamide on insulin release from isolated rat islets in vitro. Weinges KF. Postgrad Med J Suppl:32-5, Dec 70

Induction of hepatic microsomal enzymes by herban, diuron, and other substituted urea herbicides. Kinoshita FK, et al. Toxicol Appl Pharmacol 17:406-17, Sep 70

[Comparison of the beta-cytotrophic effect of a new sulfonylurea derivative, glibornuride, and tolbutamide] Bottermann P, et al. Klin Wochenschr 49:769-70, 1 Jul 71 (Ger)

[The cleaving of membranes during freeze-etching demonstrated on erythrocyte ghosts and alterations of the membrane structure by treatment with urea] Meyer HW, et al. Protoplasma 70:233-46, 1970 (Ger)

[Metabolic effects of butylbiguanide and sulfonylurea (D 860, HB 419, Tolazamide) on isolated human fat cells] Ditschuneit H, et al. Verh Dtsch Ges Inn Med 75:803-5, 1969 (Ger)

[Influencing of the immunocytoadherence phenomenon by chemical immunosuppression in rats] Hermann G, et al. Z Gesamte Exp Med 153:59-73, 1970 (Ger)

[Studies on the utilization of urea in ruminants. A. Lactation. IV. Ammonia concentration in the rumen juice and urea content in blood plasma and urine after the administration of urea] Möller PD, et al. Z Tierphysiol 25:290-301, Oct 69 (Ger)

[Studies on kidneys of newborn rats after chronic urea administration to the mother] Seipelt H, et al. Z Urol Nephrol 62:623-7, 1969 (Ger)

[The effect of ureaform preparations on the mycelium formation of 2 fungi of the genus Aspergillus] Müller G, et al. Zentralbl Bakteriol [Naturwiss] 124:136-45, 1970 (Ger)

[On the action of different concentrations of urea on human erythrocytic angiotensinase activity in vitro] Ripa R, et al. Minerva Med 60:5209-12, 22 Dec 69 (Ita)

[Urea alteration in the alpha-receptor and the acetylcholine receptor of the vas deferens] Kubota K, et al. Folia Pharmacol Jap 66:643-50, 1970 (Jap)

[Inhibiting effect of urea on the process of stimulation of sugar transport in muscle fibers] Vinogradova NA, et al. Dokl Akad Nauk SSSR 197:1183-6, 1971 (Rus)

[Inhibiting effect of corticosteroids, epsilon-aminocaproic acid and urea on the agglutinating activity of antibodies] Zotikov EA, et al. Dokl Akad Nauk SSSR 185:1161-3, 11 Apr 69 (Rus)

[Modification of radiation injury during DNA synthesis inhibition] Gotlib VIa, et al. Radiobiologiia 11:163-9, Mar-Apr 71 (Rus)

[Effect of urea on properties of human serum albumin in the monolayer] Iatsiuk MD. Ukr Biokhim Zh 42:480-3, 1970 (Ukr)

[Effect of chlorine ions, urea and hormones participating in regulation of hydro-sodium metabolism on glutaminase of cortical layer of kidney mitochondria in rabbits] Magariamov AG, et al. Ukr Biokhim Zh 43:249-53, Mar-Apr 71 (Ukr)

POISONING

A case of self-poisoning with Carbrital. Collins J. Postgrad Med J 46:584-6, Sep 70

[Course, toxicology and therapy of a serious case of carbromal poisoning with fatal outcome] Gruska H, et al. Arch Toxikol 28:149-60, 1970 (Ger)

[Effects of prolonged intoxication with urea in the dog] Balestri PL, et al. Minerva Nefrol 17:60-4, Mar-Apr 70 (Ita)

SECRETION

Urea in gastric juice. Kaess H. Klin Wochenschr 48:1245-6, 15 Oct 70

THERAPEUTIC USE

Capuride versus methyprylon and placebo in treating sleeplessness due to presurgical anxiety. Tornetta FJ. Anesth Analg (Cleve) 49:862-5, Nov-Dec 70

Therapy in experimental hyphema. Masket S, et al. Arch Ophthalmol 85:329-33, Mar 71

The treatment of ichthyosis and hyperkeratotic conditions with urea. Rosten M. Australas J Dermatol 11:142-4, Dec 70

Urea in the treatment of black hairy tongue. Pegum JS. Br J Dermatol 84:602, Jun 71

Topical noxythiolin antisepsis. Report of a controlled trial. Bird GG, et al. Br J Surg 58:447-8, Jun 71

Induction of therapeutic abortion by intra-amniotic injection of urea. Greenhalfjo, et al. Br Med J 1:28-9, 2 Jan 71

Induction of therapeutic abortion with urea. Pugh M, et al. Br Med J 1:345, 6 Feb 71

Glibenclamide for diabetes. Br Med J 1:473, 27 Feb 71

Glibenclamide. Br Med J 2:644-5, 12 Jun 71

1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU; NSC-409962) given concomitantly with cytosine arabinoside (NSC-63878) in the treatment of cancer. Eden EB van, et al. Cancer Chemother Rep 54:347-59, Oct 70

Influence of tumor-host differences at a single histocompatibility locus (H-1) on the antileukemic effect of 1,3-bis(2-chloroethyl)-1-nitrosourea (NSC 409962). Bonmassar E, et al. Cancer Res 30:2538-42, Oct 70

The uptake, distribution, and antitumor activity of 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea in the murine glioma. Levin VA, et al. Cancer Res 30:2451-5, Oct 70

Studies on the chemotherapy of experimental brain tumors: evaluation of 1,3-bis(2-chloroethyl)-1-nitrosourea, cyclophosphamide, mithramycin, and methotrexate. Shapiro WR, et al. Cancer Res 30:2401-13, Sep 70

Tolazamide in the treatment of diabetes mellitus: clinical experience and review of the literature. Balodimos MC, et al. Curr Ther Res 13:6-12, Jan 71

The treatment of contact dermatitis with AHR-1911, a new non-steroid anti-inflammatory agent. Riobueno CJ. Curr Ther Res 12:718-33, Nov 70

Anaflex and noxyflex: low-toxicity antiseptics. Drug Ther Bull 8:79-80, 23 Oct 70

Glibenclamide in the management of diabetes mellitus. I. Devlin JG, et al. J Ir Med Assoc 64:197-9, 8 Apr 71

Cardiodynamic and renal circulatory effects of P-286 in dogs. Evers JL, et al. J Med (Basel) 2:25-34, 1971

Plasma cell tumors in experimental chemotherapy: consequence of dose variation on host survival and paraprotein synthesis. Teller MN, et al. J Natl Cancer Inst 45:1197-203, Dec 70

Clinical trial of glybenclamide, a hypoglycaemic agent. Walker RL. Med J Aust 2:1015-6, 28 Nov 70

Treatment of sickle crisis. Desforges JF. N Engl J Med 284:913-5, 22 Apr 71

Urea and sickling. Eyre JT, et al. N Engl J Med 285:295-6, 29 Jul 71

Urea cyanate and sickling. Harris A. N Engl J Med 285:690-1, 16 Sep 71

Urea treatment of sickle-cell crisis. Nalbandian RM. N Engl J Med 285:406, 12 Aug 71

Treatment of advanced Hodgkin's disease with (1,3 bis (2-chloroethyl)-1-nitrosourea) BCNU. Young RC, et al. N Engl J Med 285:475-9, 26 Aug 71

Plasma insulin and metabolic study on diabetes treated with glibenclamide. Anderson J, et al. Postgrad Med J Suppl:36-41, Dec 70

Clinical experience with glibenclamide in 300 diabetics. Beyer J, et al. Postgrad Med J Suppl:78-83, Dec 70

Experience with glibenclamide in three diabetic clinics. Brearley BF, et al. Postgrad Med J Suppl:80-2, Dec 70

Twenty-four-hour urinary glucose levels during tolbutamide and glibenclamide therapy. Cohen H, et al. Postgrad Med J Suppl:50-2, Dec 70

Comparison of short-term effects of glibenclamide and chlorpropamide in newly diagnosed diabetics. FitzGerald MG, et al. Postgrad Med J Suppl:57-9, Dec 70

A comparison of glibenclamide with chlorpropamide in newly diagnosed maturity-onset diabetes. Gurling KJ. Postgrad Med J Suppl:66-9, Dec 70

Circadian variation of glucose, insulin and free fatty acids during the long-term use of oral hypoglycaemic agents in diabetes mellitus with special reference to glibenclamide. Hadden DR, et al. Postgrad Med J Suppl:53-7, Dec 70

A comparative study of glibenclamide and chlorpropamide. (Preliminary report). Hamblin JJ, et al. Postgrad Med J Suppl:92-4, Dec 70

A comparison of glibenclamide and chlorpropamide in the treatment of non-obese maturity onset diabetics. Johnston AT, et al. Postgrad Med J Suppl:98-100, Dec 70

Diurnal blood sugar levels and clinical experience during glibenclamide therapy. O'Sullivan DJ. Postgrad Med J Suppl:46-9, Dec 70

Glibenclamide for secondary failure of other sulphonylureas. Stowers JM. Postgrad Med J Suppl;63-5, Dec 70

Comparison of glibenclamide with other oral hypoglycaemic agents. Wetherill JH, et al. Postgrad Med J Suppl:88-91, Dec 70

[Clinical investigation of the effects of chewing tablets on the occurrence of plaque] Moss A. Tandlaegebladet 75:263-7, Apr 71 (Dan)

[Our experience with Daonil. A new oral hypoglycemic agent] Rodriguez-Miñon JL, et al. Diabete 18:164-5, Jul-Sep 70 (Fre)

[Comparative study of the activity of 6 antileprosy drugs] Languillon J. Med Trop (Mars) 29:694-8, Nov-Dec 69 (Fre)

[The development of sulfonylurea late resistance] Angeli I. Med Klin 65:306-9, 13 Feb 70 (Ger)

[Testing a new antidiabetic (Glibenclamid) in hospitalized and ambulatory diabetics] Beiser F, et al. Praxis 59:598-601, 21 Apr 70 (Ger)

[The organotropy of alkylating activity of dimethylnitrosamine (DMNA) and nitrosomethyl urea (NMH) in vivo] Krüger FW, et al. Z Krebsforsch 74:434-47, 1970 (Ger)

[Clinical experience concerning the action of a new oral antidiabetic drug: glidiazinamide] Greco AV, et al. Minerva Med 62:2829-39, 21 Jul 71 (Ita)

[Preliminary results with a new oral antidiabetic drug of the sulfanylurea series: glibenclamide or HB 419] Marocco F, et al. Minerva Med 61:5525-42, 5 Dec 70 (Ita)

[Clinical evaluation of Daonil--a new sulphonylurea derivative] Nowotna-Walcowa R, et al. Pol Tyg Lek 26:65-7, 11 Jan 71 (Pol)

[Glibenclamide in the treatment of diabetes] Rojszykowa E. Pol Tyg Lek 26:149-52, 25 Jan 71 (Pol)

[Differential indices towards the use of osmotic diuretics--urea and mannit] Pekarskii DE, et al. Klin Med (Mosk) 48:150-3, Nov 70 (Rus)

[Effect of the osmotic diuretics, urea and mannite, on erythrocyte morphology] Smirnova LE, et al. Probl Gematol Pereliv Krovi 16:47-50, Feb 71 (Rus)

[Glybenclamide and its place among sulfanylureas in the treatment of diabetes mellitus] Cabezas Cerrato J, et al. Rev Clin Esp 117:375-86, 31 May 70 (Spa)

TOXICITY

Factors affecting neurotoxicity by p-bromophenylacetylurea in rats. Chen FC, et al. Br J Exp Pathol 52:315-21, Jun 71

Cytotoxic effects of noxytiolin on human tumour cells in culture. Jamieson CW, et al. Br J Surg 57:863, Nov 70

Protein-deficient diet and diuron toxicity. Boyd EM, et al. J Agric Food Chem 18:1104-7, Nov-Dec 70

Influence of certain nutritional and physiological factors on urea toxicity in sheep. Kromann RP, et al. J Anim Sci 32:732-9, Apr 71

[Experimental malformations in swine fetuses caused by intravenous administration of N-ethyl-N-nitroso-urea] Ehrentraut W, et al. Arch Geschwulstforsch 33:31-8, 1969 (Ger)

[Toxicity of 1-(3,4-dichlorophenyl)-3,3-dimethylurea (Diurone) and its metabolism in man] Geldmacher-von Mallinck, et al. Arch Toxikol 27:187-92, 1971 (Ger)

URINE

Microtechniques for the automated analysis of serum total protein and albumin, urinary urea, creatinine, and hydroxyproline for nutrition surveys in developing countries. Coward DG, et al. Am J Clin Nutr 24:940-6, Aug 71

Urinary excretion of nitrogen from 15N-labelled amino acids in the malnourished and recovered child. I. Glycine and lysine. Read WW, et al. Clin Sci 40:375-80, May 71

Renal regulation of urea excretion in arousing and homeothermic ground squirrels (Citellus columbianus). Lesser RW, et al. Comp Biochem Physiol 38:291-6, 15 Sep 70

Effects of lysine-vasopressin dosage on renal tissue and urinary composition in the conscious, water diuretic rat. Atherton JC, et al. J Physiol (Lond) 208:68P-69P, Jun 70

Influence of lysine-vasopressin dosage on the time course of changes in renal tissue and urinary composition in the conscious rat. Atherton JC, et al. J Physiol (Lond) 213:291-309, Mar 71

Influence of variations in hydration and in solute excretion of the effects of lysine-vasopressin infusion on urinary and renal tissue composition in the conscious rat. Atherton JC, et al. J Physiol (Lond) 213:311-27, Mar 71

Characterization of renal transport processes. Ullrich KJ. Med J Aust 1:113-7, 16 Jan 71

[Analytic study of methyl derivatives of urea and its urinary metabolites in male Wistar AG rats] Moisand A, et al. Ann Pharm Fr 28:575-80, Sep-Oct 70 (Fre)

[Rapid determination in dogs and rabbits of urinary and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

blood glucose and urea] Petit JP.
Rev Elev Med Vet Pays Trop 22:417-22, 1969 (Fre)
[Simple colorimetric ultramicromethod for quick determination of urea] Lazaroff N.
Z Med Labortech 11:195-9, 1970 (Ger)
[Use of dimethylglyoxime for the determination of urea in urine and blood by colorimetric method] Petrun' NM, et al. Lab Delo 7:414-5, 1970 (Rus)

UREASE (D9)

Automated micromeasurement of urea using urease and the Berthelot reaction. Creno RJ, et al.
Am J Clin Pathol 54:828-32, Dec 70
The thiol groups of Jack Bean urease. Andrews AT, et al. Arch Biochem Biophys 141:538-46, Dec 70
Urease catalysis and structure. VII. Factors involved in urease polymerization and its kinetic pattern. Fishbein WN, et al.
Arch Biochem Biophys 144:700-14, Jun 71
The urease-catalyzed hydrolyses of some substituted ureas and esters of carbamic acid. Sundaram PV, et al.
Can J Biochem 48:1133-40, Oct 70
Urease: two active forms. Lynn KR.
Enzymologia 40:145-50, 28 Feb 71
Kinetic behaviour of urease of Cajanus indicus. Malhotra OP, et al. Indian J Biochem 7:162-6, Sep 70
Studies on protein multimers. II. A study of the mechanism of urease dissociation in 1,2-propanediol: comparative studies with ethylene glycol and glycerol. Contaxis CC, et al.
J Biol Chem 246:677-85, 10 Feb 71
[Use of conductometry in the study of enzymic reactions. Urea-urease system] Hanss M, et al. Biochim Biophys Acta 227:630-8, 10 Mar 71 (Fre)
[Urease] Barth A, et al.
Pract Otorhinolaryngol (Basel) 26:321-8, Jun 71 (100 ref.) (Ger)
[Urease test in the identification of Trichophyton rubrum and T. mentagrophytes] Ramos CD, et al.
Hospital (Rio de J) 78:1163-5, Oct 70 (Por)

ANALYSIS

An improved urease electrode. Montalvo JG Jr.
Anal Biochem 38:357-63, Dec 70
A comparison of methods for the determination of lipolytic properties of yeasts isolated from margarine; demonstration of lipase and urease. Bours J, et al.
Antonie van Leeuwenhoek 35:Suppl:I29-30, Jun 69
Rapid test for urease and phenylalanine deaminase production. Ederer GM, et al.
Appl Microbiol 21:545, Mar 71
Ammonia intoxication resulting from urea ingestion by ponies. Hintz HF, et al.
J Am Vet Med Assoc 157:963-6, 1 Oct 70
In vitro inhibition of rumen urease with acetohydroxamic acid. Brent BE, et al.
J Anim Sci 32:794-8, Apr 71

ANTAGONISTS & INHIBITORS

Effect of acyl residues of hydroxamic acids on urease inhibition. Kobashi K, et al.
Biochim Biophys Acta 227:429-41, 10 Feb 71
In vitro inhibition of rumen urease with acetohydroxamic acid. Brent BE, et al.
J Anim Sci 32:794-8, Apr 71
Synthesis and metabolism of labeled acetohydroxamic acid, a urease inhibitor. Wolpert E, et al.
Proc Soc Exp Biol Med 136:592-6, Feb 71
[In vitro studies on the question of urea transformation in ruminal fluid. 2. Inhibitors and activators of ureolysis] Müller R, et al.
Z Tierphysiol 27:35-44, Nov 70 (Ger)

BIOSYNTHESIS

Urease positive variants of Candida guilliermondi. Bakerspigel A.
Antonie van Leeuwenhoek 35:Suppl:A27-8, Jun 69
[Micromethod for the urease and PPA tests] Leonardopoulos J, et al.
Pathol Microbiol (Basel) 36:129-34, 1970 (Ger)

ISOLATION & PURIFICATION

[Urease in seeds of Citrullus colocynthis (L.) Schrad found in Poland] Kostecka-Mądalska O.
Acta Pol Pharm 27:397-400, 1970 (Pol)

METABOLISM

Identification of "T" mycoplasmas in primary agar cultures by means of a direct test for urease. Shepard MC, et al. Ann NY Acad Sci 174:809-19, 30 Oct 70
Behavior of urease added to unsterilized, steam-sterilized, and gamma radiation-sterilized black spruce humus. Roberge MR.
Can J Microbiol 16:865-70, Sep 70
Hydrolysis of 14 C-biuret by in vitro rumen fermentation and crude biuretase preparations. Bauriedel WR. J Anim Sci 32:704-10, Apr 71
Urease catalysis and structure. VI. Correlation of sedimentation coefficients and electrophoretic mobilities for the polymeric urease isozymes. Fishbein WN, et al. J Biol Chem 245:5985-92, 25 Nov 70
Bacterial ureases in uraemic men. Brown CL, et al.
Lancet 2:406-7, 21 Aug 71
The mechanism of action of lactulose in portal systemic encephalopathy: colonic bacterial urease activity and bacterial flora in rats. Bircher J, et al.
Rev Eur Etud Clin Biol 15:1096-100, Dec 70
[Studies on the metabolism of arginine in Ustilago cynodontis. Demonstration of the enzymes of the urea cycle] Prieur P.
C R Acad Sci [D] (Paris) 272:1553-5, 15 Mar 71 (Fre)
[Modifications of enzymatic activity (catalase and urease)--of Mycobacterium tuberculosis--INH resistant] Viallier J.
Pneumonologie 142:112-9, 1970 (Fre)
[Free amino acids, arginase and urease activity in the secretion of the cardiac valve area and in homogenates of the gastric mucosa of the pig] Höller H. Z Tierphysiol 26:253-8, Aug 70 (Ger)
[In vitro studies on the question of urea transformation in ruminal fluid. 1. Influence of the study method on ureolysis] Müller R, et al.
Z Tierphysiol 26:236-43, Aug 70 (Ger)
[The intracellular urease activity of Moraxella lwoffi (Bacterium anitratum) group] Pintér M, et al.
Zentralbl Bakteriol [Orig] 203:387-90, 1967 (Ger)
[Urease activity of citrate-positive coliform bacteria as an ecological sign] Kalina GG.
Zh Mikrobiol Epidemiol Immunobiol 47:68-72, Nov 70 (Rus)

PHARMACODYNAMICS

The inhibitory effect of the urea-urease system on human tissue alkaline phosphatases. Metz M, et al.
Clin Chim Acta 30:325-30, Nov 70
Hydrolysis of 15 N-biuret by in vitro rumen fermentation and ruminal biuretase. Bauriedel WR, et al. J Anim Sci 32:711-5, Apr 71

URECHOLINE CHLORIDE see under

BETHANECHOL COMPOUNDS (D5)

UREMIA (C6)

A perspective on uremic toxins. Black DA.
Arch Intern Med 126:906-9, Nov 70
Azotaemic inhibition of organic anion transport in the kidney of the rat: mechanisms and characteristics. Orringer EP, et al. Clin Sci 40:159-69, Feb 71
Diagnosis and management of a prepartum female with acute symptoms of hypertension and uremia. A case study. Fawcett KC, et al.
J Iowa Med Soc 60:570-6, Aug 70
The effect of 10 percent human uremic serum upon human fibroblastic cell cultures. McDermott FT.
J Surg Res 11:119-23, Mar 71
[Clinical studies during the stable uremia phase in a case of bilateral oligomeganephronic hypoplasia of the kidneys] Mettler B, et al.
Helv Paediatr Acta 25:462-74, Nov 70 (Ger)

BLOOD

Magnesium, zinc, and copper in dialysis patients. Mahler DJ, et al. Am J Clin Pathol 56:17-23, Jul 71
A humoral inhibitor of sodium transport in uremic serum. A potential toxin? Bricker NS, et al.
Arch Intern Med 126:860-4, Nov 70
Uremic toxins and platelet function. Horowitz HI.
Arch Intern Med 126:823-6, Nov 70
The red blood cell as a model for the study of uremic toxins. Smith EK, et al.
Arch Intern Med 126:827-30, Nov 70
Changes in serum potassium following suxamethonium in the uraemic rat. Powell JN, et al.
Br J Anaesth 42:804, Sep 70
The pattern of potassium liberation following a single dose of suxamethonium in normal and uraemic rats. Powell JN, et al. Br J Anaesth 43:662-8, Jul 71
Plasma calcitonin in renal osteodystrophy. Chittal SM, et al. Can Med Assoc J 104:1096-100, 19 Jun 71
Blood levels of ampicillin, kanamycin and gentamicin in the uremic patient. Altmann G, et al.
Isr J Med Sci 6:683-90, Nov-Dec 70
Insulin hypersecretion in patients on chronic hemodialysis. Role of parathyroids. Lindall A, et al.
J Clin Endocrinol Metab 33:653-8, May 71
Inhibition of transepithelial sodium transport in the frog skin by a low molecular weight fraction of uremic serum. Bourgoignie J, et al.
J Clin Invest 50:303-11, Feb 71
The effects of acute uremia on plasma glucose, insulin and growth hormone in the rat. Nitzan M, et al.
Life Sci [II] 10:671-6, 22 Jun 71
Protein binding of diphenylhydantoin and desmethylimipramine in plasma from patients with poor renal function. Reidenberg MM, et al.
N Engl J Med 285:264-7, 29 Jul 71
Plasma renin substrate changes in experimental uremia. Blaine EH, et al.
Proc Soc Exp Biol Med 136:21-4, Jan 71
Growth hormone in uremia. I. Plasma growth hormone, insulin and glucagon after oral and intravenous glucose in uremic subjects. Orskov H, et al.
Scand J Clin Lab Invest 27:51-60, Feb 71
On fibrinolytic split products in serum and urine in uraemia. Larsson SO, et al.
Scand J Urol Nephrol 5:234-42, 1971
Demonstration of a low-molecular-weight natriuretic factor in uremic serum. Bourgoignie JJ, et al.
Trans Assoc Am Physicians 83:277-87, 1970
[Iodine metabolism in severe renal insufficiency and effect of hemodialysis] Beckers C, et al.
Rev Fr Endocrinol Clin 11:233-7, May-Jun 70 (Fre)
[Effect of physical exertion on the fibrinolytic enzyme system in uremic and non-uremic patients with kidney patients] Rosdy E, et al.
Acta Chir Acad Sci Hung 11:283-7, 1970 (Ger)
[Plasma zinc concentration in uremic patients during hemodialysis] Zazgornik J, et al.
Klin Wochenschr 49:278-80, 1 Mar 71 (Ger)
[The effect of uremia serum on oxidative phosphoryiation] Kaiser E, et al.
Wien Klin Wochenschr 83:271-4, 16 Apr 71 (Ger)
[Clinical therapeutic experiences in chronic kidney failure with metabolic acidosis and phosphate retention] Kotzaurek R, et al.
Wien Med Wochenschr 121:246-9, 27 Mar 71 (Ger)
[Entity of erythrocyte incorporation of some electrolytes in chronic uremia, studied by means of incubation technic in vitro] Bandiani G, et al.
Arch E Maragliano Patol Clin 25:177-80, May-Jun 69 (Ita)
[Entity of erythrocyte incorporation of potassium (Rb 86) studies by the in vitro incubation technic in uremic subject under continuous hemodialysis] Sitia L, et al.
Arch E Maragliano Patol Clin 25:181-4, May-Jun 69 (Ita)
[Aspects of glucose metabolism of erythrocytes in uremic subjects] Rizzo SC.
Minerva Nefrol 17:93-3, May-Jun 70 (Ita)
[Products of fibrinogen metabolism and kidney diseases] Hedner U, et al.
Nord Med 85:781, 24 Jun 71 (Swe)

CHEMICALLY INDUCED

Tetracycline toxicity in renal failure. George CR, et al.
Med J Aust 1:1271-3, 12 Jun 71

COMPLICATIONS

Uremic cardiac tamponade in children. Chaimovitz C, et al. Am J Dis Child 122:172-4, Aug 71
Multiple skeletal complications in a case of chronic renal failure treated by kidney homotransplantation. Crutchlow WP, et al. Am J Med 50:390-4, Mar 71
Cardiac calcification in uremia. A clinical, biochemical and pathologic study. Terman DS, et al.
Am J Med 50:744-55, Jun 71
Recognition of osteodystrophy in chronic uremia. Kaye M. Am J Med Sci 261:183-7, Apr 71 (14 ref.)
Conjunctival and corneal calcific deposits in uremic patients. Harris LS, et al.
Am J Ophthalmol 72:130-3, 30 Jul 71
Small bowel resection of uremic ulcers. Korobkin M, et al. Am Surg 37:285-8, May 71
Pericarditis in chronic uremia and its sequels. Comty CM, et al. Ann Intern Med 75:173-83, Aug 71
Surgical correction of uremic constrictive pericarditis. Nickey WA, et al. Ann Intern Med 75:227-9, Aug 71
A simplified surgical approach to therapy of uremic pericarditis with tamponade. Schlein EM, et al.
Ann Thorac Surg 10:548-51, Dec 70
Anemia in uremia. Desforges JF.
Arch Intern Med 126:806-11, Nov 70
Disorders of red blood cell production in uremia. Eschbach JW, et al. Arch Intern Med 126:812-5, Nov 70
Bone formation and resorption in tissue culture. Effect of agents implicated in renal osteodystrophy. Raisz LG. Arch Intern Med 126:887-90, Nov 70
Experimental studies of toxic factors in uremic encephalopathy. Teschan PE, et al.
Arch Intern Med 126:838-46, Nov 70
Neurologic disorders seen in the uremic patient. Tyler HR. Arch Intern Med 126:781-6, Nov 70
Neuropathy in chronic renal disease. A microscopic, ultrastructural, and biochemical study of sural nerve biopsies. Appenzeller O, et al.
Arch Neurol 24:449-61, May 71
Diagnosis and management of uremic constrictive pericarditis. Potter DJ, et al. Arts Med 28:302-4, Apr 71
Anaemia in renal failure. Penington DG, et al.
Br Med Bull 27:136-41, May 71 (60 ref.)
Restless legs syndrome, with particular reference to its occurrence after gastric surgery. Banerji NK, et al.
Br Med J 4:774-5, 26 Dec 70
Nonketoacidotic hyperglycemia and coma during intravenous diazoxide therapy in uremia. Charles MA, et al. Diabetes 20:501-3, Jul 71
Comparison of acetate and bicarbonate in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

treatment of uremic acidosis. Feng PH, et al. Isr J Med Sci 6:732-4, Nov-Dec 70
Uremia and anemia. Kahn A Jr. J Arkansas Med Soc 68:112-3, Aug 71
Schwann cell dysfunction in uraemia. Dinn JJ, et al. J Neurol Neurosurg Psychiatry 33:605-8, Oct 70
Post-dialysis infusion pyelography in the urological patient with advanced uremia. Matalon R, et al. J Urol 105:878-80, Jun 71
Calcification of the seminal vesicles and vas deferens in a uremic patient. Silber SJ, et al. J Urol 105:542-4, Apr 71
Uraemic neuropathy and renal transplantation. Lancet 2:418-9, 21 Aug 71
Segmental demyelination secondary to axonal degeneration in uremic neuropathy. Dyck PJ, et al. Mayo Clin Proc 46:400-31, Jun 71
Hypothermia in uremia. Garrell SL. N Engl J Med 283:1001, 29 Oct 70
Hyperlipidemia in the hemolytic-uremic syndrome. Kaplan BS, et al. Pediatrics 47:776-9, Apr 71
Proximal and distal muscle weakness in patients receiving hemodialysis for chronic uremia. McElroy A, et al. Phys Ther 50:1467-81, Oct 70
Uremic syndrome and its treatment. Roza O. Phys Ther 50:1449-54, Oct 70
Successful pericardectomy in chronic constrictive uremic pericarditis. Esmond WG, et al. South Med J 64:533-6, May 71
Indications for parathyroidectomy in advanced renal disease. Buck BA, et al. Surg Gynecol Obstet 133:218-24, Aug 71
A microradiographic study of bone disease in uremia. Pellegrino ED, et al. Trans Am Clin Climatol Assoc 82:177-87, 26 Oct 70
[Azotemia and mental disorders] Oughourlian JM. Ann Med Psychol (Paris) 1:481-95, Apr 71 (Fre)
[Anatomo-pathologic study of 35 cases of hemolytic and uremic syndrome in children] Habib R, et al. Arch Fr Pediatr 28:391-416, Apr 69 (Fre)
[Clinical and biologic study of 37 cases of hemolytic and uremic syndrome] Mathieu H, et al. Arch Fr Pediatr 26:369-90, Apr 69 (Fre)
[Pseudotumoral form of uremic pericarditis operated on with success] Valty J, et al. Arch Mal Coeur 64:439-45, Mar 71 (Fre)
[Cerebral repercussions of uremia] Cadilhac J, et al. Cah Med 11:1345-61, 15 Dec 70 (Fre)
[Surgical drainage of uremic hemopericardium] Muller JM, et al. J Urol Nephrol (Paris) 76:1055-9, Dec 70 (Fre)
[Hemolytic and uremic syndrome in children. Apropos of 11 cases] Fournier A, et al. Presse Med 79:763, 3 Apr 71 (Fre)
[Pathogenesis of comatose conditions] Held K. Med Welt 20:903-10, 16 May 70 (Ger)
[Combination of hyperchloraemic tubular acidosis with uraemic acidoses] Siemensen HC. Munch Med Wochenschr 113:256-61, 19 Feb 71 (Ger)
[Studies on the nature and etiology of uremic thrombocytopathy] Joist JH, et al. Verh Dtsch Ges Inn Med 75:476-9, 1969 (Ger)
[Magnesium balance in terminal chronic uremia] Corrado F, et al. Minerva Nefrol 16:403-6, Nov-Dec 69 (Ita)
[Hyperkaliemic complication in patients undergoing periodical hemodialysis] Perna N, et al. Minerva Nefrol 17:83-4, May-Jun 70 (Ita)
[The uremic-hemolytic syndrome in childhood] Buffa V, et al. Minerva Pediatr 22:937-44, 15 May 70 (Ita)
[Case of uremic pericarditis relieved by pericardiostomy] Saito H, et al. Naika 26:787-90, Oct 70 (Jap)
[Anesthesiological problems in patients with uremia] Kącki J, et al. Pol Arch Med Wewn 45:157-63, 1970 (Pol)
[Usefulness of brachial plexus anesthesia in patients with uremia] Kącki J, et al. Pol Arch Med Wewn 45:149-55, 1970 (Pol)
[Role of hypocalcemia in the development of uremic coma] Szczeklik A, et al. Pol Tyg Lek 26:180-1, 1 Feb 71 (Pol)
[Uremic hemolytic syndrome (U.H.S.). Clinical and histopathological aspects of 6 cases] Velasco C, et al. Rev Chil Pediatr 41:355-63, May 70 (Spa)
[Renal osteodystrophy with infantilism and fatty liver] Guillermo Fongi E, et al. Rev Clin Esp 119:361-4, 30 Dec 70 (Spa)
[3 cases of pericardial involvement of unusual etiology or development. Acute uremic pericarditis with heart block, acute hemorrhagic pericarditis in dissecting aneurysm of the aorta and mesothelioma of the pericardium] Cohen H, et al. Rev Med Chil 98:372-7, Jun 70 (Spa)

DIAGNOSIS

Prerenal uremia in chronic renal diseases. 3. Diagnosis. Orlowski Z. Pol Med J 8:853-61, 1969
Selection of kidney donors. Siciński A. Pol Med J 10:439-42, 1971
Percutaneous renal biopsy in the diagnosis of renal disease in uraemia. Fajers CM, et al. Scand J Urol Nephrol 4:153-4, 1970
[Observations pertinent to the value of electroencephalography in early diagnosis of electrolyte disorders during hemodialysis] Consoli C, et al. Arch Ital Urol Nefrol 42:490-510, 1969 (Ita)

DRUG THERAPY

Treatment of renal osteodystrophy with 25-hydroxycholecalciferol. DeLuca HF, et al. Arch Intern Med 126:896-9, Nov 70
Antiobiotics in renal failure. O'Grady F. Br Med Bull 27:142-7, May 71 (18 ref.)
Acetate and bicarbonate in the correction of uraemic acidosis. Eliahou HE, et al. Br Med J 4:399-401, 14 Nov 70
Altered effect of furosemide upon the unilateral experimentally diseased dog kidney. Gutmann FD, et al. J Lab Clin Med 77:14-22, Jan 71
Gamma guanidinobutyramide in uraemic patients. Brown K, et al. Lancet 1:141, 16 Jan 71
Improvement of nitrogen balance in a uremic patient by the addition of histidine to essential amino acid solutions given intravenously. Bergström J, et al. Life Sci [II] 9:787-94, 22 Jul 70
Ototoxic side-effects of high doses of frusemide in patients with uraemia. Wigand ME, et al. Postgrad Med J 47:Suppl:54-6, Apr 71
A case of acute glomerulonephritis and severe uraemia, treated with heparin and corticosteroids. Larsson SO, et al. Scand J Urol Nephrol 5:291-6, 1971
Treatment of the hepatorenal syndrome with metaraminol. Sugerman HJ, et al. Surg Forum 21:359-61, 1970
[Indications and limits of heparin therapy in the hemolytic and uremic syndrome. Literature review apropos of a personal case] Cordonnier D, et al. J Urol Nephrol (Paris) 76:853-62, Sep 70 (Fre)
[Intestinal dialysis with sodium cyclamate--a new method for chronic uremia treatment] Vogel G, et al. Arzneim Forsch 20:1741-8, Nov 70 (Ger)
[Dosage problems in renal insufficiency] Höffler D. Med Monatsschr 25:372, Aug 71 (Ger)
[Allopurinol in the therapy of gout and secondary hyperuricemias] Brambilla I, et al. Clin Ter 55:45-61, 15 Oct 70 (Ita)
[Further observations on the use of anabolizing steroids in chronic hyperazotemia] Comar OB. Minerva Urol 21:69-74, Mar-Apr 69 (Ita)
[Effect of prostaglandins on kidney and blood pressure in patients with kidney diseases] Wehle B, et al. Nord Med 85:782-3, 24 Jun 71 (Swe)

ENZYMOLOGY

Transketolase activity in uremia. Lonergan ET, et al. Arch Intern Med 126:851-4, Nov 70
Bacterial ureases in uraemic men. Brown CL, et al. Lancet 2:406-7, 21 Aug 71
Erythrocyte transketolase inhibition, neuropathy and uremia. Henderson LW. N Engl J Med 284:1435-6, 24 Jun 71
Erythrocyte transketolase activity in dialyzed patients. A reversible metabolic lesion of uremia. Lonergan ET, et al. N Engl J Med 284:1399-403, 24 Jun 71
Serum amylase in renal failure. Schönebeck J, et al. Scand J Urol Nephrol 5:257-62, 1971
[Effect of uremia on the drug-catalolizing enzymes in rat liver microsomes] Leber HW, et al. Klin Wochenschr 49:944-6, 15 Aug 71 (Ger)
[Histochemical studies on the musculature in uremia] Dürr F, et al. Verh Dtsch Ges Inn Med 75:140-3, 1969 (Ger)
[Characterization and isolation of a polypeptide from the serum of uremic rabbits, an inhibitor of insulin catabolizing enzyme system of the rabbit kidney] Woonckhaus JW, et al. Verh Dtsch Ges Inn Med 75:143-6, 1969 (Ger)
[Evaluation of the thiamine nutritional state of uremic patients by determination of erythrocyte transketolase activity] Rizzo SC, et al. Minerva Nefrol 16:301-5, Jul-Aug 69 (Ita)
[Behavior of liver xanthine oxidase in the liver in hyperuricemic subjects after fructose loading] Riario-Sforza G, et al. Reumatismo 21:323-3, Sep-Oct 69 (Ita)

ETIOLOGY

Reversible uremia secondary to renal replacement by lymphoma. Lizzi F, et al. NY State J Med 71:360-3, 1 Feb 71
Prerenal uremia in chronic renal diseases. I. Prerenal uremia due to circulatory failure. Orlowski Z. Pol Med J 8:839-45, 1969
Prerenal uremia in chronic renal diseases. II. Prerenal uremia due to hypovolemia. Orlowski Z. Pol Med J 8:846-52, 1969
The role of magnesium in the pathogenesis of azotemic hypothermia. Freeman RM. Proc Soc Exp Biol Med 137:1069-72, Jul 71
[Hemolytic-uremic syndrome and coagulation] Kleynen F, et al. Ned Tijdschr Geneeskd 115:534, 20 Mar 71 (Dut)
[Uremigenic nephropathy in infectious endocarditis. Apropos of 6 anatomo-clinical cases] Sternon J, et al. Acta Clin Belg 24:193-205, 1969 (Fre)
[A case of uremigenic angiocholitis with a favorable outcome] Albot G, et al. Ann Gastroenterol Hepatol (Paris) 7:173-7, Mar-Apr 71 (Fre)
[Uremigenic angiocholitis. Its connection with gram negative septicemia of digestive origin] Heully F, et al. Ann Gastroenterol Hepatol (Paris) 7:145-56, Mar-Apr 71 (Fre)
[Clinical and anatomo-pathologic comparison between fatal and curable forms of hemolytic and uremic syndrome] Habib R, et al. Arch Fr Pediatr 26:417-32, Apr 69 (Fre)
[Renal lesions in bacterial endocarditis; their relation to uremia] Rutsaert J. Brux Med 50:109-26, Feb 70 (Fre)
[Complications of obligatory total laryngectomy after physiotherapy] Dargent M, et al. Bull Cancer (Paris) 56:439-48, Oct-Dec 69 (Fre)
[Evolutive hyperparathyroidism and chronic uremia in substitute dialysis. Apropos of 2 cases] Mirouze J, et al. Sem Hop Paris 47:1851-9, 14 Jun 71 (Fre)
[Pathogenesis of uremia] Dobbelstein H. Internist (Berlin) 12:76-84, Mar 71 (84 ref.) (Ger)
[Sclerodermic nephropathy leading to uremia] Dezső G, et al. Orv Hetil 111:2360-4, 4 Oct 70 (Hun)
[On malignant obstructive uremia] Sesenna R, et al. Arch Ital Urol Nefrol 43:7-16, 1970 (Ita)
[Hemolytic and uremic syndrome in children. Renal thrombotic microangiopathy] Burdea M, et al. Rev Med Chir Soc Med Nat Iasi 75:473-7, Apr-Jun 71 (Rum)

IMMUNOLOGY

Studies on antibody production in uraemia. Balling IM, et al. Acta Allergol (Kbh) 26:49-55, Feb 71
In vitro reactivity of human lymphocytes in chronic uraemia: analysis and interpretation. Daniels JC, et al. Clin Exp Immunol 8:213-27, Feb 71
In vitro activation of blood peripheral lymphocytes from uraemic patients. Podda M, et al. Clin Sci 40:4P, Feb 71
Antibody production in uraemic mice. Souhami RL. Clin Sci 40:11P, Mar 71
Suppression of interferon response in lymphocytes from patients with uremia. Sanders CV Jr, et al. J Lab Clin Med 77:768-76, May 71
Normal cutaneous sensitivity to endotoxin in azotemia. Fink S, et al. J Urol 104:640-1, Nov 70
[Immunohistochemical study of the lymphoplasmacellular elements of the normal gastric mucosa and in some pathological conditions. (Preliminary studies)] Lotti G, et al. Arch E Maragliano Patol Clin 26:275-91, Sep-Oct 70 (Ita)

METABOLISM

Uremic lipemia. An unrecognized abnormality in triglyceride production and removal. Bagdade JD. Arch Intern Med 126:875-81, Nov 70
Uremic toxins. Balestri PL, et al. Arch Intern Med 126:843-5, Nov 70
Abnormalities of carbohydrate and lipid metabolism in uremia. Bierman EL. Arch Intern Med 126:790-2, Nov 70
Guanidinosuccinic acid in uremia. Cohen BD. Arch Intern Med 126:847-50, Nov 70
Permeability changes in experimental uremic encephalopathy. Fishman RA. Arch Intern Med 126:835-7, Nov 70
Use of different sources of nitrogen in uremia. Giordano C, et al. Arch Intern Med 126:787-9, Nov 70
Uremic toxins and mineral metabolism. Potential sites of interaction. Giteiman HJ. Arch Intern Med 126:793-800, Nov 70 (61 ref.)
Evaluation of amino acid and protein requirements in chronic uremia. Guiyassy PF, et al. Arch Intern Med 126:855-9, Nov 70
Effect of chronic uremia on collagen metabolism in skin and bone. Hahn TJ, et al. Arch Intern Med 126:882-6, Nov 70
The effect of uremia upon glucose metabolism. Hampers CL, et al. Arch Intern Med 126:870-4, Nov 70
The nature of vitamin D resistance in experimental uremia. Kimberg DV, et al. Arch Intern Med 126:891-5, Nov 70
Brain metabolism in experimental uremia. Van den Noort S, et al. Arch Intern Med 126:831-4, Nov 70
Uremia and insulin response. Westervelt FB Jr. Arch Intern Med 126:865-9, Nov 70
Glucose utilization in muscle during uremia; in vitro study. Dzdrik R, et al. Clin Chim Acta 30:137-42, Oct 70
Replacement of two essential aminoacids by ketoacids in the diet of healthy and uraemic men. Richards P, et al. Clin Sci 40:11P, Mar 71
Effect of total parathyroidectomy and uremia on the chemical composition of bone, skin and aorta in the rat. Bernstein DS, et al. Isr J Med Sci 7:513-4, Mar 71
Vitamin D metabolism in experimental uremia. Herrath D von, et al. Isr J Med Sci 7:536-7, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Experimental renal osteopathy. Krempien B, et al. Isr J Med Sci 7:522-4, Mar 71
The effect of calcemic disorders and uremia on the mineral content of skin. Massry SG, et al. Isr J Med Sci 7:514-7, Mar 71
Intestinal transport of calcium in experimental uremia. Ritz E, et al. Isr J Med Sci 7:391-2, Mar 71
Metabolic clearance rate of radioiodinated human calcitonin in man. Ardaillou R, et al. J Clin Invest 49:2345-52, Dec 70
Effect of nephrectomy and acute uremia on plasma insulin- 125 I removal rate. Swenson RS, et al. J Lab Clin Med 77:829-37, May 71
Interpretation of nucleic acid synthesis. Studies in renal-failure lymphocytes. Daniels JC, et al. J Reticuloendothel Soc 8:240-7, Sep 70
A feast for nephrophiles. Vaisrub S. JAMA 214:2048-9, 14 Dec 70
Osteopathy in experimental uremia. Ritz E, et al. Klin Wochenschr 49:113-5, 15 Jan 71
Synthesis of phenylalanine and valine by healthy and uraemic men. Richards P, et al. Lancet 2:128-34, 17 Jul 71
Critique of multicompartmental analysis of calcium kinetics in man based on study of 27 cases. Gonick HC, et al. Metabolism 19:919-33, Nov 70
Diphenylhydantoin metabolism in uremia. Letteri JM, et al. N Engl J Med 285:648-52, 16 Sep 71
Vitamin D metabolism in experimental uraemia: effects on intestinal transport 45 Ca and on formation of 1,25-dihydroxycholecalciferol in rat. Hill LF, et al. Nature [New Biol] 232:189-91, 11 Aug 71
Pharmacokinetics of the cephalosporins in healthy volunteers and uremic patients. Kirby WM, et al. Postgrad Med J 47:Suppl:41-6, Feb 71
Pharmacokinetics of cephalexin in renal insufficiency. Regamey C, et al. Postgrad Med J 47:Suppl:69-78, Feb 71
Rate of rise of blood urea nitrogen in acute renal failure: effect of acidosis. Simon D, et al. Proc Soc Exp Biol Med 137:1073-4, Jul 71
[Guanidinosuccinic acid and uremia. 1. Clinical studies] Dobbelstein H, et al. Klin Wochenschr 49:348-57, 15 Mar 71 (Ger)
[Intestinal calcium transport in uremia] Ritz E. Verh Dtsch Ges Inn Med 75:137-40, 1969 (Ger)
[Substrate and oxygen consumption of the heart muscle in uremia] Scholimeyer P, et al. Verh Dtsch Ges Inn Med 75:135-7, 1969 (Ger)
[Experimental studies of intestinal calcium transport in uremia] Ritz E. Z Gesamte Exp Med 152:313-24, 23 Aug 70 (Ger)
[Corporeal intracellular pH in patients with chronic uremia] Acquarone N, et al. Minerva Nefrol 18:92-7, Mar-Apr 71 (Ita)
[Influence of uremic toxins on carbohydrate metabolism] Balestri PL, et al. Minerva Nefrol 18:76-84, Mar-Apr 71 (Ita)
[Studies of nitrogen metabolism in chronic uremia] Bergstron J, et al. Minerva Nefrol 18:57-61, Mar-Apr 71 (Ita)
[Effect of acute hypercalcemia on renal clearance of calcium and phosphorus in chronic uremia] Mioni G, et al. Minerva Nefrol 17:75-82, May-Jun 70 (Ita)
[Nitrogen metabolism in acute renal failure] Penson J, et al. Pol Tyg Lek 25:1376-8, Sep 70 (Pol)

MORTALITY

Acute nephropathy as cause of death in scleroderma. A ten-year review from Denmark. Jensen EH, et al. Dan Med Bull 18:79-82, Aug 71
[The longest survival time without the kidneys] Hallauer W. Med Klin 66:368, 5 Mar 71 (Ger)
[Critical view of medical records of urogenital-tuberculosis death cases] Csernus JA, et al. Prax Pneumol 24:652-7, Oct 70 (Ger)
[The gap between needs for kidney dialysis and-or transplantation and available treatment resources] Modn B, et al. Harefuah 78:599-601, 15 Jun 70 (Heb)
[Statistical analysis of the causes of death following primary gout in Japan with special reference to the fatal cases with uremia] Kagami T, et al. Naika 26:1099-105, Dec 70 (Jap)

OCCURRENCE

Incidence of uraemia and requirements for maintenance haemodialysis. Branch RA, et al. Br Med J 1:249-54, 30 Jan 71

PATHOLOGY

[Oral changes in uremia] Mortensen H. Tandlaegebladet 75:461-70, Jun 71 (Dan)
[Uremia and proliferation of the gastric mucosa, autoradiographic studies on interim phases of the cell cycle and the generation time of the gastric mucosa in uremic rats] Wegener K, et al. Virchows Arch [Zellpathol] 8:186-95, 1971 (Ger)

PHYSIOPATHOLOGY

The biochemical basis of the skeletal changes in chronic uremia. Shapiro R. Am J Roentgenol Radium Ther Nucl Med 111:750-61, Apr 71
Variations in motor nerve conduction velocity in normal and uremic patients. Kominami N, et al. Arch Intern Med 128:235-9, Aug 71
Motor and sensory nerve conduction in uremic patients undergoing repeated dialysis. Codish SD, et al. Arch Phys Med Rehabil 52:260-3, Jun 71
Studies on erythropoiesis in uremic and post-transplant (renal) patients utilizing radioactive iron and chromium. Farooki MS, et al. Can Med Assoc J 104:1092-7, 19 Jun 71
Contributions of coronary perfusion pressure, metabolic acidosis and adrenergic factors to the reduction of myocardial contractility during hemorrhagic shock in the cat. Siegel HW, et al. Circ Res 27:875-89, Dec 70
Hemodynamics of uremic anemia. Neff MS, et al. Circulation 43:876-83, Jun 71
Sleep EEG and uraemia. Reichenmiller HE, et al. Electroencephalogr Clin Neurophysiol 30:263-4, Mar 71
Relationships between platelet function tests in normal and uraemic subjects. Hassanein AA, et al. J Clin Pathol 23:402-6, Jul 70
The conversion phenomenon of uremic lymphocytes: mechanisms of nucleic acid kinetics. Daniels JC, et al. J Reticuloendothel Soc 9:409-23, May 71
[Electrocardiographic and ballistocardiographic changes in uremic patients in period preceding and following renal dialysis] Ambrosi C, et al. Arch Mal Coeur 63:1599-609, Nov 70 (Fre)
[Experimental micromorphometric studies on uremic osteodystrophy] Krempien B, et al. Verh Dtsch Ges Pathol 54:397-402, 1970 (Ger)
[Electroencephalographic study of uremia. 2] Yano M, et al. Iryo 24:961-7, Dec 70 (Jap)
[N-balance studies in chronic uremia] Norée LO, et al. Nord Med 85:784-5, 24 Jun 71 (Swe)

REHABILITATION

[Surveillance code for the evaluation of social and professional readaptation of patients treated by repeated hemodialysis] Giromini M. Praxis 59:1749-52, 15 Dec 70 (Fre)

SURGERY

Anesthetic problems in uremic patients. Kącki J, et al. Pol Med J 10:333-9, 1971
Brachial plexus block in uremic patients. Kącki J, et al. Pol Med J 10:327-32, 1971
Selection of kidney donors. Siciński A. Pol Med J 10:439-42, 1971

THERAPY

Treatment of chronic uremia in childhood. Holliday MA, et al. Adv Pediatr 17:81-97, 1970 (14 ref.)
Transferrin saturation and erythropoietic activity in long-term hemodialyzed uremic patients. Gral T, et al. Am J Med Sci 60:230-6, Oct 70
Surgical management of the winged, in-line external arteriovenous shunt for hemodialysis. Blakeley WR. Am J Surg 120:664-70, Nov 70
Implications of dietary therapy. Giovannetti S, et al. Arch Intern Med 126:900-5, Nov 70
Management of the acute uraemic emergency. Wrong O. Br Med Bull 27:97-102, May 71 (39 ref.)
Acute renal failure. Sharpstone P. Br Med J 4:158-60, 17 Oct 70
Chronic uremia: is death inevitable? Shafer R. Hosp Manage 109:34-9, May 70
The current status of treatment of chronic uremia. Senty RF. J Am Osteopath Assoc 70:335-42, Dec 70
Indications for hemodialysis. Med Lett Drugs Ther 12:39-40, 1 May 70
The effect of hemodialysis on the plasma cortisol and the electroencephalogram in uremia. Gallagher BB. Neurology (Minneap) 20:975-81, Oct 70
Treatment of chronic uremia in childhood. II. Hemodialysis. Potter D, et al. Pediatrics 46:678-89, Nov 70
[Renal osteodystrophy] Lisá L. Cesk Pediatr 26:186-8, Apr 71 (Cse)
[Value of addition of a fungal urate oxidase to the dietary treatment of chronic uremia] Gross A, et al. Therapie 26:13-26, Jan-Feb 71 (Fre)
[Chronic hemodialysis: results observed during 6 years' experience (more than 8,000 treatments by Kolff's artificial kidney)] Beaudry C, et al. Union Med Can 100:100-12, Jan 71 (Fre)
[Conservative therapy of uremia] Klütsch K, et al. Med Welt 20:927-33, 16 May 70 (Ger)
[On the general theoretical principles of current hemodialytic technics] Farinelli A, et al. Arcisp S Anna Ferrara 22:341-62, 1969 (Ita)
[Indications and results of periodic hemodialysis in terminal chronic uremia] Bonomini V. Bull Sci Med (Bologna) 142:91-6, Jan-Mar 70 (Ita)
[Critical considerations on the neurological manifestations during chronic uremia related to the hemodialytic treatment] Barbera G, et al. Minerva Med 61:5134-9, 10 Nov 70 (Ita)
[Our experience with hemodialysis in the treatment of uremia] Rapisarda LM, et al. Minerva Med 61:5114-22, 10 Nov 70 (Ita)
[Study of the plasmatic renin and reno-medullin in chronic uremic patients during extracorporeal hemodialytic treatment] Ripa R, et al. Minerva Med 61:5219-33, 17 Nov 70 (Ita)
[Systemic hemodynamic studies of uremic patients with external shunts or internal fistulas] Zucchelli P, et al. Minerva Med 62:797-810, 28 Feb 71 (Ita)
[Extracellular and intracellular water-electrolyte changes and acid-base equilibrium changes after extracorporeal hemodialysis in chronic uremic patients] Acquarone N, et al. Minerva Nefrol 17:190-7, Nov-Dec 70 (Ita)
[Intracellular repercussions of alkaline therapy in chronic uremic patients] Acquarone N, et al. Minerva Nefrol 18:102-9, Mar-Apr 71 (Ita)
[Exchange of corporeal albumin during hypoprotein diet in chronic uremia] Bianchi R, et al. Minerva Nefrol 18:62-75, Mar-Apr 71 (Ita)
[Physiopathological and hemodialytic problems in chronic uremia after bilateral nephrectomy] Bonomini V, et al. Minerva Nefrol 16:391-4, Nov-Dec 69 (Ita)
[Changes of guanidine induced with peritoneal dialysis] Bruscagli G, et al. Minerva Nefrol 17:187-9, Nov-Dec 70 (Ita)
[On a case of grave disorders of cardiac rhythm caused by hyper-potassemia, in a patient in hemodialytic therapy, controlled with Mg ascorbate] Casucci N, et al. Minerva Nefrol 17:208-12, Nov-Dec 70 (Ita)
[Ethical problems connected with dialysis in the treatment of uremia] Cecchini A. Minerva Nefrol 16:337-42, Sep-Oct 69 (Ita)
[Daily brief dialysis with the "disposable" dialyzer and a small volume of electrolyte solution potentiated with active carbon] Cioni L, et al. Minerva Nefrol 16:416-9, Nov-Dec 69 (Ita)
[Changes in systemic hemodynamics induced by periodic hemodialytic treatment] Dal Zotto I, et al. Minerva Nefrol 16:413-5, Nov-Dec 69 (Ita)
[Medico-legal and social problems connected with the dialytic treatment of uremia] Franchini A. Minerva Nefrol 16:342-9, Sep-Oct 69 (Ita)
[Clinical selective criteria for the dialytic treatment of uremia] Giovannetti S. Minerva Nefrol 16:334-7, Sep-Oct 69 (Ita)
[A new pathogenetic interpretation of the changes of acid-base equilibrium during hemodialysis] Graziani G, et al. Minerva Nefrol 17:198-203, Nov-Dec 70 (Ita)
[Some aspects of gastric secretion in chronic uremic patients in periodic hemodialysis] Guarini G, et al. Minerva Nefrol 17:181-3, Nov-Dec 70 (Ita)
[Research on some erythrocytic abnormalities in chronic uremic patients in conservative and dialytic therapy] Lamperi S, et al. Minerva Nefrol 17:175-80, Nov-Dec 70 (Ita)
[Behavior of organic sodium and blood pressure levels in uremic subjects undergoing continuous hemodialytic treatment] Lamperi S, et al. Minerva Nefrol 16:407-12, Nov-Dec 69 (Ita)
[Electroencephalographic changed induced with hemodialysis] Lovero G, et al. Minerva Nefrol 17:213-23, Nov-Dec 70 (Ita)
[Criteria for the selection of dialytic treatment in uremia] Monasterio G. Minerva Nefrol 16:333-4, Sep-Oct 69 (Ita)
[Guidelines in the conservative treatment of chronic uremia] Monasterio G. Minerva Nefrol 18:51-6, Mar-Apr 71 (Ita)
[On the use of some polymers of glucose in diet therapy of uremia] Quarto di Palo F, et al. Minerva Nefrol 18:98-101, Mar-Apr 71 (Ita)
[Gynecomastia in the uremic patient undergoing periodic hemodialytic treatment] Sodi A, et al. Minerva Nefrol 16:420-4, Nov-Dec 69 (Ita)
[Oxalate behavior in patients undergoing periodic hemodialytic treatments] Zucchelli P, et al. Minerva Nefrol 17:184-8, Nov-Dec 70 (Ita)
[Arteriovenous anastomosis in uremic patients in periodical hemodialysis. Surgical technic] Garofalo FA, et al. Minerva Urol 22:55-60, Mar-Apr 70 (Ita)
[The visual apparatus in the chronic uremic patient during periodic hemodialytic treatment. II. Changes in ocular refraction during hemodialysis] Ambrosio A, et al. Rass Int Clin Ter 51:789-95, 15 Jul 71 (Ita)
[Acute hemorrhagic pancreatitis as a complication of hemodialysis (in the uremic subject). Pathogenetic questions] Giarelli L, et al. Riv Anat Patol Oncol 35:58-70, 1969 (Ita)
[Study of terminal uremia and its treatment. 3. Acute pressor effects in terminal chronic uremia of peritoneal dialysis, solutions of different osmolarity and sodium concentration] Caralps A, et al. Rev Clin Esp 117:145-50, 30 Apr 70 (Spa)
[Who should be dialysed?] Lindqvist B, et al. Lakartidningen 67:2509-14, 27 May 70 (Swe)
[Pleural dialysis for 28 days] Gjessing J. Nord Med 85:114, 28 Jan 71 (Swe)
[Autologous blood transfusions in uremia] Wibell L, et al. Nord Med 86:834, 8 Jul 71 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

URINE

On fibrinolytic split products in serum and urine in uraemia. Larsson SO, et al.
Scand J Urol Nephrol 5:234-42, 1971

VETERINARY

[Rapid determination in dogs and rabbits of urinary and blood glucose and urea] Petit JP.
Rev Elev Med Vet Pays Trop 22:417-22, 1969 (Fre)

UREOHYDROLASES (D9)

Genetic and metabolic control of enzymes responsible for histidine degradation in Salmonella typhimurium. 4-imidazolone-5-propionate amidohydrolase and N-formimino-L-glutamate formiminohydrolase.
Smith GR, et al. J Biol Chem 246:3320-9, 25 May 71

ISOLATION & PURIFICATION

Urocanase and N-formimino-L-glutamate formiminohydrolase of Bacillus subtilis, two enzymes of the histidine degradation pathway. Kaminskas E, et al. J Biol Chem 245:3536-44, 25 Jul 70

URETER (A5)

Effects of ureteral pressure elevation on renal hemodynamics and urine concentration. Suki WN, et al. Am J Physiol 220:38-43, Jan 71

Refluxing ureteral stump with pseudocyst formation: a complication of renal homotransplantation. Johnson AJ, et al. J Urol 104:688-9, Nov 70

ABNORMALITIES

Ureteral ectopia into a Wolffian duct remnant (Gartner's ducts or cysts) presenting as a urethral diverticulum in two girls. Vanhoutte JJ.
Am J Roentgenol Radium Ther Nucl Med 110:540-5, Nov 70

Triplication of the ureters. A case report. Corney C.
Br J Surg 58:316, Apr 71

Multiple noduli cutanei and urinary tract abnormalities. A possible significant association. Selmanowitz VJ, et al. Cancer 26:1256-60, Dec 70

The developmental effects of congenital hydrocephalus (ch) in the mouse. Green MC.
Dev Biol 23:585-608, Dec 70

Congenital anomalies of the urinary tract in pediatrics: a review of two cases. Rochen DM.
J Am Osteopath Assoc 69:1242-8, Aug 70

Urinary incontinence associated with congenital ureteral valves in a bitch. Pollock S, et al.
J Am Vet Med Assoc 159:333-5, 1 Aug 71

Reflex in duplicated ureters: treatment in children. Amar AD, et al. J Pediatr Surg 5:419-30, Aug 70

Ureteroneocystostomy in refluxing ureteric duplication: indications, technique and results. Bettex M, et al. J Pediatr Surg 5:622-7, Dec 70

Noonan syndrome with bilateral ureteral ectopia. Hellebusch AA. J Pediatr Surg 6:490, Aug 71

Clinical significance of the blind-ending brance of a bifid ureter: report of 3 additional cases. Albers DD, et al. J Urol 105:634-7, May 71

Lateral ureteral displacement: sign of non-visualized duplication. Amar AD. J Urol 105:638-41, May 71

Management of reflux in total duplication anomalies. Daines SL, et al. J Urol 105:720-4, May 71

Reflux in complete duplicated ureters in children: management and techniques. Johnston JH, et al. J Urol 105:881-7, Jun 71

Ipsilateral ureteroureterostomy in the management of vesicoureteral reflux in duplication of upper urinary tract. Lytton B, et al. J Urol 105:507-10, Apr 71

Familial vesicoureteral reflux. Mulcahy JJ, et al. J Urol 104:762-4, Nov 70

A surgical procedure suggested for certain cases of reduplicated ureter. Olsson CA, et al.
J Urol 105:790-3, Jun 71

Ectopic opening of the ureter into the seminal vesicle: report of case. Orquiza CS, et al.
J Urol 104:532-5, Oct 70

Retrocaval ureter: 4 cases. Shown TE, et al.
J Urol 105:497-501, Apr 71

Ureteral duplication: clinical findings and therapy in 46 children. Timothy RP, et al. J Urol 105:445-51, Mar 71

A surgical procedure suggested for certain cases of reduplicated ureter. Olsson CA, et al.
Trans Am Assoc Genitourin Surg 62:100-6, 1970

[Ureter triplex] Mikuličak I, et al.
Rozhl Chir 50:391-4, Jul 71 (Cze)

[Extrinsic stenosis of the lower ureter] Brenez J.
Acta Urol Belg 38:64-72, Jan 70 (Fre)

[Congenital stenosis of the terminal ureter] Debled G.
Acta Urol Belg 38:9-16, Jan 70 (Fre)

[Bifid ureter with ureteral meatus stenosis associated with an extensive ureterohydronephrosis in a 17-month-old boy] Naoumidis S.
Acta Urol Belg 38:527-30, 1970 (Fre)

[Retrocaval ureter] Van Regemorter G.
Acta Urol Belg 37:450-2, 1969 (Fre)

[A case of stress urinary incontinence in a woman] Oosterlinck W, et al.
Ann Urol (Paris) 5:33-6, Feb 71 (Fre)

[Retro-placental hematoma secondary to a ureteral anomaly (pseudo-cystic dilatation of the lower ureter)] Gellé P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:459, Nov-Dec 68 (Fre)

[Various malformations of the urogenital system] Tuchschmid D, et al.
Helv Chir Acta 37:525-33, Aug 70 (Fre)

[Familial factor in reno-ureteral malformations] Bercu G, et al. J Belge Radiol 53:454-9, 1970 (Fre)

[Diagnostic difficulties in partial hydronephrosis in cases of pyelo-ureteral duplication] Anjou A, et al.
J Radiol Electrol Med Nucl 51:95-7, Jan-Feb 70 (Fre)

[Pathology associated with pyelo-ureteral duplications and bifidity] Fauré C, et al.
J Radiol Electrol Med Nucl 51:123-6, Mar-Apr 70 (Fre)

[Congenital megabladder with asymptomatic megaureters and giant hydronephrosis in a 51-year-old man] Wolff R, et al.
J Radiol Electrol Med Nucl 52:216-8, Mar-Apr 71 (Fre)

[Urinary incontinence due to vaginal outlet of a sclero-atrophic kidney; value of vaginography] Fournier A, et al. J Sci Med Lille 87:253-8, Mar 69 (Fre)

[12 cases of the ureter with an ectopic junction in the female children] Bruezière J, et al.
J Urol Nephrol (Paris) 77:114-25, Jan-Feb 71 (Fre)

[A case of retroiliac ureter] Ponthieu A, et al.
J Urol Nephrol (Paris) 77:293-4, Mar 71 (Fre)

[Congenital megabladder with megaureters and giant hydronephrosis in a 51-year-old man] Reziciner S, et al. J Urol Nephrol (Paris) 77:261-72, Mar 71 (Fre)

[Ectopic ureteral anastomosis and urethro-vulvo-perineal abnormalities (a case in a young girl)] Rognon LM.
J Urol Nephrol (Paris) 77:252-5, Mar 71 (Fre)

[Bilateral sub-sphincteral ureteral ectopic joining. Diagnostical value of uro-tomographies] Rometti A, et al. J Urol Nephrol (Paris) 76:761-2, Jul-Aug 70 (Fre)

[Partial cyst of the nephrogenic cord and double ureter] Stoppa R, et al.
J Urol Nephrol (Paris) 77:809-13, Jul-Aug 71 (Fre)

[Malformation uropathies in children. (175 observations)] Mazeman E.
Lille Med 14:958-73, Nov 69 (Fre)

[Multiple kidneys] Trede H.
Fortschr Geb Roentgenstr Nuklearmed 114:131, Jan 71 (Ger)

[Diagnosis and therapy of congenital renal pelvis outflow disorders in childhood] Gasteyer KH.
Med Klin 65:1639-43, 18 Sep (Ger)

[Repair of reflux in double-kidney with double-ureter] Strohmenger P. Urol Int 25:353-67, 1970 (Ger)

[Double kidney and ureteral dystopia. Demonstration of 3 pertinent cases] Bolender J.
Z Urol Nephrol 63:875-80, Nov 70 (Ger)

[An unusual case of unilateral double ureter] Kuhlmann HW. Z Urol Nephrol 63:373-6, May 70 (Ger)

[A rare case of ureteral enuresis] Stapor K, et al.
Z Urol Nephrol 63:645-7, Aug 70 (Ger)

[Pseudofluor and fluor vaginalis due to bilateral uretero-ectopia and bilateral kidney duplication] Schach H, et al.
Zentralbl Gynaekol 93:640-4, 8 May 71 (Ger)

[Misleading shadows in the radiographic picture of the bladder of infants caused by distended ureter] Hajós E, et al. Orv Hetil 111:2425-7, 11 Oct 70 (Hun)

[On the surgical treatment of malformations of the pyelo-ureteral junction] Pazini G.
Arch Ital Urol Nefrol 43:29-54, 1970 (Ita)

[Clinical considerations on various congenital anomalies of the kidney and of the urinary tract in the pediatric age] Comellini L, et al.
Clin Pediatr (Bologna) 51:657-72, Nov 69 (Ita)

[Developmental changes of the uro-rectal septum (case contribution)] Di Tondo U, et al.
Folia Hered Pathol (Milano) 18:21-4, Jan 69 (Ita)

[Bifid ureter with a cranial branch and blind end] Bongi G, et al. Minerva Urol 22:45-8, Mar-Apr 70 (Ita)

[Ectopic ureterocele (considerations on a clinical case)] Bruttini GP, et al.
Minerva Urol 21:101-6, May-Jun 69 (Ita)

[The retrocaval ureter] Cassarino E.
Minerva Urol 23:123-30, May-Jun 71 (Ita)

[On the surgical treatment of pyelo-ureteral duplicity. (On 2 cases treated with heminephrectomy)] Pontiggia F, et al.
Minerva Urol 21:21-7, Jan-Feb 69 (Ita)

[Radiological aspects of megaureter] Cagnoni G.
Osp Ital Chir 23:255-60, May-Jun 70 (Ita)

[Most frequently observed reno-ureteral abnormalities] Calcagno L, et al.
Pathologica 61:429-57, Nov-Dec 69 (Ita)

[Effects of anomalous vessels on the pelvic ureter] Caracciolo F, et al.
Quad Radiol 34:135-43, Mar-Apr 69 (Ita)

[Case of congenital giant blind ureter in an infant] Sato T, et al. Surg Ther (Osaka) 25:114-9, 1971 (Jap)

[Radiological sign of a full bladder in continuous involuntary emission of urine] Soares JP, et al.
Bol Inst Puericr Pediatr (Rio de J) 25:63-6, 1968-69 (Por)

[Histoenzymological observations on congenital malformations of the ureter] Oprişan A, et al.
Pediatria (Bucur) 20:15-22, Jan-Feb 71 (Rum)

[Urinary incontinence in girls caused by ectopia of the ureteral meatus] Rosenbaum S, et al.
Pediatria (Bucur) 19:541-4, Nov-Dec 70 (Rum)

[Right doubling and left tripline of the upper urinary tract] Gogichaev ZKh.
Urol Nefrol (Mosk) 35:53-4, Nov-Dec 70 (Rus)

[Urocolpos in vaginal ectopia of the ureter of a hypoplastic kidney in an 8-month-old infant] Mikhel'son AI, et al.
Urol Nefrol (Mosk) 35:67-8, Jul-Aug 70 (Rus)

[Surgical treatment of congenital hydronephrosis and megaureter in children] Bykov IM.
Vestn Khir 106:86-9, Apr 71 (Rus)

ANATOMY & HISTOLOGY

he musculature of the human ureter. Notley RG.
Br J Urol 42:724-7, Dec 70

The ureterovesical junction in dogs. Christie BA.
Invest Urol 9:10-5, Jul 71

BLOOD SUPPLY

[Pyeloureteral varices] Lapointe A, et al.
J Can Assoc Radiol 21:169-72, Sep 70 (Fre)

[Experimental study on complications of the loading of the excretion ways in renal transplantation. I. Effect of the ureter devascularisation] Turini D, et al.
Minerva Nefrol 18:1-8, Jan-Feb 71 (Ita)

CYTOLOGY

Morphologic evidence that rhe renal calyx and pelvis control ureteric activity in the rabbit. Gosling JA, et al. Am J Anat 130:393-408, Apr 71

Electron microscopy of the lower ureter in man. Notley RG. Br J Urol 42:439-45, Aug 70

Inclusion bodies in fibroblast-like cells in the mucosa of the guinea pig ureter. Uehara Y, et al.
J Ultrastruct Res 34:175-80, Jan 71

Further observations on upper urinary tract smooth muscle. A light and electron microscope study. Gosling JA, et al.
Z Zellforsch Mikrosk Anat 108:127-34, 1970

DRUG EFFECTS

Antibiotics and ureter. V. Gentamicin. Benzi G, et al.
Arch Int Pharmacodyn Ther 189:363-9, Feb 71

Antibiotics and ureter. 3. Chloramphenicol. Benzi G, et al. Arch Int Pharmacodyn Ther 185:329-36, Jun 70

Effect of ouabain on contractility of the isolated ureter. Weiss RM, et al. Invest Urol 8:161-9, Sep 70

The effect of sympathomimetic drugs and sympathetic nerve stimulation on the activity of the rat ureter in vivo. Ancill RJ, et al.
J Physiol (Lond) 213:67P-68P, Mar 71

Effects of prostaglandin E1 on dog ureter in vitro. Wooster MJ. J Physiol (Lond) 213:51P-53P, Mar 71

Analysis of the adrenergic receptors in the urinary tract of dog. Dhasmana KM, et al.
Jap J Pharmacol 20:461-6, Dec 70

[Pharmacological modification of ureteral activity using sympathomimetics] Malatinsky E, et al.
Urologe 10:181-3, Jul 71 (Ger)

[Effect of sympathomimetics on ureteral dynamics] Melchior H, et al. Urologe 8:348-52, Nov-Dec 69 (Ger)

[Effect of tiemonium iodide (Visceralgine) on the ureteral contractile activities and its clinical use in urology] Oka N, et al.
Acta Urol Jap 16:606-18, Oct 70 (Jap)

[Electromyographic study of the effect of 1-diethylaminoethyl-3 (p-methoxybenzyl)-quinoxalone-2 (P-201) on the ureter] Tsuchida S, et al.
Acta Urol Jap 17:150-3, Feb 71 (Jap)

EMBRYOLOGY

[Further details on the maximal distance at which the primary ureter exerts its inductive action on the mesonephrogenic blastema in anuran Amphibia] Gipouloux JD, et al.
C R Acad Sci [D] (Paris) 270:2329-31, 11 May 70 (Fre)

GROWTH & DEVELOPMENT

[Contribution of the Wolffian duct and its derivatives to the edification of urinary tubules of the mesonephros and metanephros in the bird embryo] Martin C.
C R Acad Sci [D] (Paris) 272:1305-7, 1 Mar 71 (Fre)

INJURIES

Pararenal urinary pseudocyst. Tchang S, et al.
Can J Surg 14:166-9, Mar 71

Transvesical repair of ureteral stenosis secondary to electrosurgical injury. el-Masry I, et al.
J Med Assoc Thai 54:190-5, Mar 71

Management of urinary tract injuries following

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

surgery. O'Conor VJ Jr.
J Okla State Med Assoc 64:150-4, Apr 71
Transection of the common bile duct and pelvi-ureteric junction due to seat belt. Spitz L, et al.
J Trauma 11:266-9, Mar 71
The initial management of ureteral injuries: a report of 78 cases. Carlton CE Jr, et al. J Urol 105:335-40, Mar 71
Ureteral injury secondary to lumbar disk operation. Parker JM. J Urol 105:85, Jan 71
Delayed ureteral fistula from high velocity missiles: report of 3 cases. Rohner TJ Jr. J Urol 105:63-4, Jan 71
The initialmanagement of ureteral injuries: a report f 78 cases. Carlton CE Jr, et al.
Trans Am Assoc Genitourin Surg 62:114-22, 1970
[Ureteral damage due to gynecologic operations, in particular radical hysterectomy] Sindram IS.
Ned Tijdschr Geneeskd 115:1143-8, 3 Jul 71 (Dut)
[Rupture of the sub-pyelic ureter by closed injury in children] Lacheretz M, et al.
Ann Chir Infant 12:125-31, Mar-Apr 71 (Fre)
[Reconstitution of pyeloureteral continuity after accidental peroperative rupture] Demetriad MR.
J Urol Nephrol (Paris) 77:615-9, Jul-Aug 71 (Fre)
[Undiagnosed injuries of the ureter in the course of abdominal gynecologic surgery, neoplasms excepted. Apropos of 10 cases] Richaud C, et al.
J Urol Nephrol (Paris) 77:640-4, Jul-Aug 71 (Fre)
[Primary urethral ruptures of the pars membranacea successfully sutured] Giebel MG, et al.
Monatsschr Unfallheilkd 74:1-9, Jan 71 (Ger)
[Autotransplantation of the kidney in widespread ureter injuries] Rockstroh H, et al.
Z Urol Nephrol 62:331-2, 1969 (Ger)
[Appendectomy with cutting of the ureter] Schulz MR.
Zentralbl Chir 95:1053-6, 29 Aug 70 (Ger)
[Prevention of urinary tract injury during gynecological surgery] Akashi K, et al.
Sanfujinka Jissai 20:473-81, Apr 71 (Jap)
[Round table discussion: problems in prevention of ureteral injuries] Magara M, et al.
Sanfujinka Jissai 20:565-74, May 71 (Jap)
[Reconstructive operation of traumatic ureteral stricture] Kuroda K, et al.
Shujutsu 24:1492-7, Dec 70 (Jap)
[Urinary diversion in cases of ureteral injury during gynecologic operations] Wesolowski S.
Ginekol Pol 42:225-38, 1971 (Pol)
[Disruption of the ureter due to an isolated gunshot] Budzyński B, et al.
Pol Przegl Chir 43:1039-42, Jun 71 (Pol)

INNERVATION

Pacinian corpuscles in bladder wall and outside ureter of the cat. Shehata R.
Acta Anat (Basel) 77:139-43, 1970
The effect of sympathomimetic drugs and sympathetic nerve stimulation on the activity of the rat ureter in vivo. Ancill RJ, et al.
J Physiol (Lond) 213:67P-68P, Mar 71
A new theory of the innervation of bladder musculature. 2. The innervation apparatus of the ureterovesical junction. Elbadawi A, et al.
J Urol 105:368-71, Mar 71
A new theory of the innervation of bladder musculature. 3. Postganglionic synapses in uretero-vesico-urethral autonomic pathways. Elbadawi A, et al. J Urol 105:372-4, Mar 71
Further evidence for physiologic ureteral innervation. Boyarsky S, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:5-15, 7 Nov 66

METABOLISM

Analytical solutions for the specific activities of a traced substance within the component parts of a simulated kidney-ureter system. Lawson JO, et al.
Bull Math Biophys 32:263-78, Jun 70

MICROBIOLOGY

New human papovavirus (B.K.) isolated from urine after renal transplantation. Gardner SD, et al.
Lancet 1:1253-7, 19 Jun 71
[A clinical study on urinary tract infection: acute cystitis and the upper urinary tract] Suzuki M.
Jap J Urol 61:1076-87, Nov 70 (Jap)

PATHOLOGY

Morphological changes in the ureter in cases of bladder carcinoma. Schade RO, et al. Cancer 27:1267-72, May 71
Morphological changes in the ureters as a cause of gout in chicken A avitaminosis. Konstantinov A.
Doki Boig Akad Nauk 23:461-4, 1970
Factors which contribute to or prevent sloughing of the distal ureter: an experimenatal study. Rinker JR, et al. J Urol 104:875-8, Nov 70
[Histomorphological changes in transplanted ureters in dogs] Popow J, et al.
Pol Przegl Chir 43:955-62, Jun 71 (Pol)

PHYSIOLOGY

Intraureteric pressures in women. Enbörning G, et al.
Am J Obstet Gynecol 108:462-7, 1 Oct 70
Dynamic mechanical properties of mammalian ureteral muscle. Apter JT, et al. Am J Physiol 221:266-72, Jul 71
Effect of mannitol diuresis and ureteral occlusion on distal tubular reabsorption. DiBona GF.
Am J Physiol 221:511-4, Aug 71
Effect of elevated ureteral pressure on renal medullary osmolal concentration in hydropenic rabbits. Honda N, et al. Am J Physiol 221:698-703, Sep 71
Antibiotics and ureter. IV. Spiramycin. Benzi G, et al.
Arch Int Pharmacodyn Ther 187:269-75, Oct 70
Handling of urine by cloaca and ureter in chickens. Nechay BR, et al.
Comp Biochem Physiol 26:1099-105, Sep 68
Dynamics of the upper urinary tract. System for data collection and evaluation. Constantinou CE, et al.
Invest Urol 8:645-54, May 71
Dynamics of the upper urinary tract. The effects of an indwelling ureteral catheter on ureteral peristalsis. Dale RL, et al. Invest Urol 8:655-72, May 71
Ureteral pressure determinations. A comparison of two techniques. Goldfarb M, et al.
Invest Urol 8:560-2, Mar 71
Qualitative studies of the phosphorylase, succinic dehydrogenase, adenosine triphosphatase, and glycogen synthetase content of normal, neurogenic, and defunctionalized bladder muscle. Wein AJ, et al.
Invest Urol 8:177-81, Sep 70
Increased ureteral back pressure enhances renal tubular sodium reabsorption. Fulop M, et al.
J Clin Invest 49:2315-23, Dec 70
Kidney length and ureteric dilatation in the puerperium. Bailey RR, et al.
J Obstet Gynaecol Br Commonw 78:55-61, Jan 71
Human ureteral peristalsis. Edmond P, et al.
J Urol 104:670-4, Nov 70
Some experiment and clinical aspects of the ureteral function. Tsuchida S.
Jap J Smooth Muscle Res 6:147-54, Jun 70
Ureters in pregnancy. Dure-Smith P.
N Engl J Med 284:395, 18 Feb 71
Effect of ureteral stop flow on PAH in lumen and cortex homogenate in the rat kidney. Carrasquer G, et al. Proc Soc Exp Biol Med 137:284-91, May 71
Disuse and increased function of the dog ureter. II. Effect on length. Swartzberg JE, et al.
Urol Int 26:51-64, 1971
[Remarks on normal and pathologic ureteral transit] Vanwelkenhuyzen P.
Acta Urol Belg 37:337-42, 1969 (Fre)
[Electromanometric study of pyeloureteral dynamics] Kambouris.
J Urol Nephrol (Paris) 77:241-50, Mar 71 (Fre)
[Uro-rheomanometry (development of a new uro-rheomanometer)] Melchior H, et al.
Biomed Tech (Stuttg) 16:99-102, 3 Jun 71 (Ger)
[Standard electroureterogram] Malatinsky E, et al.
Urologe 8:353-5, Nov-Dec 69 (Ger)
[Effect of sympathomimetics on ureteral dynamics] Melchior H, et al. Urologe 8:348-52, Nov-Dec 69 (Ger)
[Dependence of ureteral dynamics on bladder dynamics] Melchior H, et al.
Urologe 10:83-8, Mar 71 (Ger)
[Studies on action potential of the ureter. I. On needle "indwelling" electrode for electro-ureterogram] Kato Y, et al. Jap J Urol 62:43-9, Jan 71 (Jap)
[A technique for monitoring ureteral peristalsis to remove the effect of changing urine flow] Tsuchida S, et al. Jap J Urol 62:50-7, Jan 71 (Jap)
[Effect of diuresis on the ureteric function] Stolarczyk J. Pol Przegl Chir 43:983-9, Jun 71 (Pol)

PHYSIOPATHOLOGY

Ureteral function in vesico-ureteral reflux. Kirkland IS, et al. Br J Urol 43:289-96, Jun 71
A radiological study of the effect of elevated intravesical pressures on ureteral calibre and peristalsis in patients with neurogenic bladder dysfunction. Butler ED Jr, et al.
Clin Radiol 22:198-204, Apr 71
Urinary leakage and retroperitoneal fibrosis. Mitchinson MJ, et al. J Urol 105:56-8, Jan 71
The abnormal ureter in children. II. Perfusion studies on the refluxing ureter. Reuterskiöld AG.
Scand J Urol Nephrol 4:99-105, 1970
[New findings in the physiopathology of urinary excretion and pyelocaliceal hypoxystoly, detected by radiomanometry and percutaneous radiometry of urinary flow] Kapandji M.
J Urol Nephrol (Paris) 77:545-64, Jul-Aug 71 (Fre)
[Pre- and postoperative electromyographic results in spina bifida with neurologic disorders] Bonnal J, et al.
Neurochirurgie 15:299-306, Jul-Aug 69 (Fre)
[Pregnancy-induced changes in the urinary ways. Observations on the reply of H. Kremling to our paper, see this journal, 29(1969), p. 278] Fochem K, et al.
Geburtshilfe Frauenheilkd 30:1094-7, Dec 70 (Ger)
[Post partum changes of the upper urinary system] Brezina K.
Z Geburtshilfe Gynaekol 173:42-51, Aug 70 (Ger)
[Surgery of cervical cancer and the ureteral function] Tojo S.
J Jap Obstet Gynecol Soc 22:1039-44, Sep 70 (Jap)

RADIOGRAPHY

Retrograde pyelography with double contrast. A preliminary report. Christiansen J.
Acta Chir Scand 136:435-9, 1970
Vascular impressions on the ureters. Chait A, et al.
Am J Roentgenol Radium Ther Nucl Med 111:729-49, Apr 71
Radiolucent folds in the upper urinary tract. Poole CA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:529-39, Nov 70
Determination of the normal position of the upper urinary tract on the lateral abdominal urogram. Cook IK, et al. Radiology 99:499-502, Jun 71
[Giat hydronephrosis on the right side with sinistroposition of the ureter] Thiemann KJ.
Radiologe 10:326-7, Aug 70 (Ger)
[Misleading shadows in the radiographic picture of the bladder of infants caused by distended ureter] Hajós E, et al. Orv Hetil 111:2425-7, 11 Oct 70 (Hun)
[X-ray anatomy of the ureters in different body positions of the subject] Smolkin EA, et al.
Arkh Anat Gistol Embriol 59:27-32, Aug 70 (Rus)

SURGERY

Experimental ureteral adhesive anastomosis. Furka I, et al. Acta Chir Acad Sci Hung 11:231-5, 1970
Technique for semipermanent cannulation of ureters in bovine, ovine, porcine, and canine species. Lloyd WE, et al. Am J Vet Res 32:617-21, May 71
Prevention of urological complications after kidney transplantation. Weil R 3d, et al.
Ann Surg 174:154-60, Jul 71
Some experiences with the modified Boari bladder flap operation. Haga JJ vam, et al.
Arch Chir Neerl 22:155-64, 1970
Ureterosigmoidostomy and neoplasms of the colon. Report of a case and review of the literature. Haney MJ, et al. Arch Surg 103:69-72, Jul 71
Management of the ureter in renal transplantation. Irvine AH, et al. Br J Urol 42:402-6, Aug 70
Avulsion of the renal pelvis treated by ureterocalycostomy. Moloney GE.
Br J Urol 42:519-21, Oct 70
An instrument for ureteric catheterisation. Pearson BS. Br J Urol 42:598, Oct 70
Segmental replacement of the ureter by a narrowed ileal loop. Perkash I, et al. Br J Urol 42:545-56, Oct 70
Surgical revision of the incompetent ureterovesical junction: a critical analysis of techniques and requirements. Tanagho EA. Br J Urol 42:410-24, Aug 70
Morphologic changes in the fetal rabbit kidney after intrauterine ureteral ligation. Thomasson BH, et al.
Invest Urol 8:261-72, Nov 70
Ureteroneocystostomy in refluxing ureteric duplication: indications, technique and results. Bettex M, et al. J Pediatr Surg 5:822-7, Dec 70
Advancing V-flap modification for the dismembered pyeloplasty. Devine CJ Jr, et al.
J Urol 104:810-6, Dec 70
Bilateral ureteroureterostomy after ileal conduit diversion. Dretler SP, et al. J Urol 105:365-7, Mar 71
Cutaneous ureterostomy: an alternative urinary diversion. Flinn RA, et al. J Urol 105:358-64, Mar 71
An approach to the lower third of the ureter. Hodgins TE, et al. J Urol 105:647-8, May 71
Reconstruction of the ureter by free autologous bladder mucosa graft: its radiology and cine-ureterography. Hovnanian AP, et al.
J Urol 105:177-82, Feb 71
Transvesical ureterectomy. Howerton LW, et al.
J Urol 104:817-20, Dec 70
Ipsilateral ureteroureterostomy in the management of vesicoureteral reflux in duplication of upper urinary tract. Lytton B, et al. J Urol 105:507-10, Apr 71
Perineal uretero-ileostomy: a technique of urinary diversion by which the patient is continent. Shafik A.
J Urol 106:56-9, Jul 71
Possible renogram interpretative errors in children with ileal diversions. Silk M, et al.
J Urol 106:149-50, Jul 71
Pull-through ureteral reimplantation for reflux. Thompson IM, et al. J Urol 105:631-3, May 71
An analysis of 50 skin flap cutaneous ureterostomies. Thompson IM, et al. J Urol 105:649-53, May 71
Open bladder flap ureteroneocystostomy. Viek NF, et al. J Urol 105:209-10, Feb 71
Ileal replacement of the ureter in solitary kidney. Dowd JB, et al. Surg Clin North Am 51:739-47, Jun 71
Urinary diversion. Lapides J. Surgery 69:142-54, Jan 71
Experimental study of the development of a ureteral fistula following surgical trauma. Pagano F, et al.
Urol Int 25:342-52, 1970
[Vesico-ureteric reflux following discission of the ureteric orifice] Gregersen E, et al.
Nord Med 85:654-6, 27 May 71 (Dan)
[Result of ureteropelvic resection in 103 cases of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

genuine hydronephrosis] Madsen OG, et al.
Nord Med 84:1513-7, 26 Nov 70 (Dan)
[The value of extra-peritonization in extended pelvic interventions] Devlesaver P.
Acta Urol Belg 37:351-8, 1969 (Fre)
[Trial simplification of Bricker's operation] Benassayag E. Ann Urol (Paris) 4:265-8, Dec 70 (Fre)
[Uretero-intestinal anastomosis according to the Goodwin technic] Rognon LM.
Ann Urol (Paris) 5:97-103, May 71 (Fre)
[Does ureterocystoneostomy always have to be associated with an anti-reflux mechanism?] Michielsen JP, et al.
Arch Chir Neerl 22:135-42, 1970 (Fre)
[Clinical applications of the experimental replacement of the ureter with silicone elastomers tubes] Auvert J, et al.
J Urol Nephrol (Paris) 76:734-41, Jul-Aug 70 (Fre)
[Transintestinal cutaneous ureterostomy. Analysis of 58 cases] Cukier J, et al.
J Urol Nephrol (Paris) 77:565-78, Jul-Aug 71 (Fre)
[Is reconstruction of the ureter by sero-serous suture of the intestine justified?] Novak R.
J Urol Nephrol (Paris) 77:621-5, Jul-Aug 71 (Fre)
[Ureterolleoplasty. Urologic and renal consequences. Experimental study in 13 dogs] Sarramon JP, et al.
J Urol Nephrol (Paris) 77:579-93, Jul-Aug 71 (Fre)
[What can be hidden behind urinary incontinence in meningomyelocele. 5. cases] Viville C, et al.
Presse Med 78:1883-6, 17 Oct 70 (Fre)
[Problems of antireflux plasty] Bandhauer K.
Helv Chir Acta 37:476-80, Aug 70 (Ger)
[The technic of ureterectomy] Heim U, et al.
Helv Chir Acta 37:541-2, Aug 70 (Ger)
[Surgical treatment of urological complications after gynecologic surgery] Hohenfellner R.
Helv Chir Acta 37:489-90, Aug 70 (Ger)
[General aspects of plastic surgery of the ureter] Rutishauser G. Helv Chir Acta 37:469-75, Aug 70 (Ger)
[Late results of flap plastic surgery according to Boari-Küss] Schimatzek A.
Helv Chir Acta 37:491-3, Aug 70 (Ger)
[Plastic surgery of the ureter] Suimoni A.
Ther Umsch 27:283-7, May 70 (Ger)
[Conditioning and urinary diversion in kidney transplantation] Vahlensieck W, et al.
Urologe 10:10-4, Jan 71 (Ger)
[Surgical experiences with a modified ureterosigmoidostomy. (Evaluation of 152 surgical treatments)] Warbosch G, et al.
Urologe 10:107-10, May 71 (Ger)
[Sutureless ureter anastomosis in animal experiments (preliminary communication)] Erdmann T, et al.
Z Aerztl Fortbild (Jena) 64:79-81, 15 Jan 70 (Ger)
[Use of mannitol after uretero- and pyelotomies] Albert L, et al. Z Urol Nephrol 62:357-63, 1969 (Ger)
[Ureteral prosthesis made from silastic] Schwille PO, et al. Z Urol Nephrol 64:209-15, Mar 71 (Ger)
[Pregnancy and delivery after uterosigmoidostomy] Zeffer J, et al. Z Urol Nephrol 62:597-9, 1969 (Ger)
[Problems of secondary or recurring surgery of the kidney, renal pelvis and upper ureter] Zoedler D.
Z Urol Nephrol 62:193-208, 1969 (Ger)
[Clearance studies before and after surgery of the kidney, renal pelvis or ureter in children] Zoellner K, et al. Z Urol Nephrol 63:737-9, Oct 70 (Ger)
[Uteroplasty with a bladder graft according to the Casati-Boari method] Migliardi L.
Minerva Urol 21:13-5, Jan-Feb 69 (Ita)
[Histochemical changes in the rectal mucosa after ureterosigmoidostomy] Sommo G, et al.
Pathologica 59:447-50, Nov-Dec 67 (Ita)
[Indication of nephrostomy and ureterostomy for cases of intrapelvic carcinomas: with special reference to observations on critical preoperative evaluation] Fujita K, et al. Jap J Urol 62:58-63, Jan 71 (Jap)
[Experience of ureterolleovesicostomy for ureterovaginal fistula following extensive pan-hysterectomy] Ishihara M.
Sanfujinka Jissai 20:689-93, Jun 71 (Jap)
[Reconstructive operation of traumatic ureteral stricture] Kuroda K, et al.
Shujutsu 24:1492-7, Dec 70 (Jap)
[Performance of ureteroplasty in children] Krzywicka B. Pol Przegl Chir 43:1027-9, Jun 71 (Pol)
[Remote results of transplantation of the ureters to the intestine in vesicovaginal fistula] Abaimasov GM, et al. Akush Ginekol (Mosk) 46:72-4, Oct 70 (Rus)
[Ways to improve the results of ureterosigmoidostomy] Polianichko MF.
Klin Khir 7:22-5, Jul 70 (Rus)
[Plastic repair of the ureter following injury] Emel'ianov EK, et al.
Urol Nefrol (Mosk) 35:59, Nov-Dec 70 (Rus)

TRANSPLANTATION

Free full-thickness pelvic graft: experimental repair of ureter and ureteropelvic junction. Raney AM, et al.
J Urol 105:59-62, Jan 71
Implantation of transplant ureters: a technique. Taguchi Y, et al. J Urol 105:194-5, Feb 71
[Bridging of ureteral defects with preserved autologous segments] Albert L, et al.
Z Urol Nephrol 62:509-17, 1969 (Ger)
[Histomorphological changes in transplanted ureters in dogs] Popow J, et al.
Pol Przegl Chir 43:955-62, Jun 71 (Pol)
[Our observations on the technic of ureteral transplantation in children by the Leadbetter-Politano method] Grzybowska B, et al.
Pol Tyg Lek 25:1933-5, 14 Dec 70 (Pol)
[Experimental variant of the technic of ureter transplantation] Morkhov IuK, et al.
Eksp Khir Anesteziol 15:51-6, Sep-Oct 70 (Rus)

URETERAL CALCULI (C6)

[Diagnosis, therapy and complications of ureteroliths] Oppelt W.
Munch Med Wochenschr 112:185-9, 30 Jan 70 (Ger)

CHEMICALLY INDUCED

[Furadantin calculi in an ureterocele] Menzi P.
Helv Chir Acta 37:538-40, Aug 70 (Ger)

COMPLICATIONS

Spontaneous rupture of the collecting system of the kidney: an evaluation. Smulewicz JJ, et al.
J Urol 104:507-11, Oct 70
Ureteral stones. An experimental and clinical study of the mechanism of the passage and arrest of ureteral stones. Holmlund D.
Scand J Urol Nephrol 1:Suppl 1:1-80, 1968
[Urine extravasation following spontaneous rupture of the ureter above a ureteral lithiasis] Baert L, et al.
Ann Urol (Paris) 4:249-52, Dec 70 (Fre)
[An unusual complication of urinary lithiasis: kidney pelvis rupture] Nardi C, et al.
Mem Acad Chir (Paris) 95:659-63, Oct 69 (Fre)
[Crossed lumbar ectopia of the left kidney complicated by hydronephrosis as a sequela of a calculus in the pelvic section of the ureter] Muszyński J.
Przegl Lek 26:887-9, 1970 (Pol)
[Plastic repair of the ureter following injury] Emel'ianov EK, et al.
Urol Nefrol (Mosk) 35:59, Nov-Dec 70 (Rus)

DIAGNOSIS

False ureterocele: lower ureteral stone simulating ureterocele. Datta NS, et al. Br J Urol 43:301-4, Jun 71
The management of bilateral renal and ureteric calculi. Sreenevasan G. Br J Urol 42:736, Dec 70
[Diagnostic errors in calculi of the pelvic area of the ureter] Iusubov DR. Klin Khir 11:58-60, Nov 70 (Rus)

DRUG THERAPY

[Oxyphenbutazone therapy in ureteric calculus] Thybo E, et al. Ugeskr Laeger 133:493-5, 19 Mar 71 (Dan)
[Contribution of an anti-inflammatory agent in ureteral lithiasis] Benassayag E, et al.
Ann Urol (Paris) 4:275-6, Dec 70 (Fre)
[An anti-inflammatory agent in the ureteral lithiasis] Benassayag E, et al.
Therapie 25:1047-50, Nov-Dec 70 (Fre)
[Spasmolytic effect of beta-adrenergic drugs. Conservative treatment of urolithiasis] Melchior H, et al. Urologe 10:183-8, Jul 71 (Ger)
[On the treatment of ureteral calculosis] Guerra A.
Friuli Med 24:565-75, Sep-Oct 69 (Ita)

ETIOLOGY

[Foreign body stones in the ureter] Kasztelan Z, et al.
Z Urol Nephrol 63:649-51, Aug 70 (Ger)

OCCURRENCE

[Ureteral calculosis. Clinico-statistical contribution] Cariuccio D, et al.
Minerva Urol 21:58-68, Mar-Apr 69 (Ita)

PHYSIOPATHOLOGY

[Ureteral stones. Mechanism and conservative treatment] Holmlund D.
Lakartidningen 66:4629-36, 5 Nov 69 (Swe)

RADIOGRAPHY

Defects in the urographic contrast medium above and below a ureteric calculus. Arnaldsson O, et al.
Acta Radiol [Diagn] (Stockh) 11:26-32, Jan 71
[Extravasation of urine revealed by intravenous orography during a nephritic colic crisis (2 cases)] Loeper J, et al.
J Radiol Electrol Med Nucl 50:293-6, May 69 (Fre)
[Renal colic and caliceal rupture] Bonard M.
Ther Umsch 27:273-7, May 70 (Fre)

SURGERY

[Vesico-ureteric reflux following discission of the ureteric orifice] Gregersen E, et al.
Nord Med 85:654-6, 27 May 71 (Dan)
[Therapy of ureteral calculi using sling catheters] Albrecht KF, et al. Urologe 9:178-82, Jul 70 (Ger)
[Clinical follow-up examination after transurethral ostium slitting in ureteral calculi close to the bladder] Greber F, et al. Z Urol Nephrol 63:747-56, Oct 70 (Ger)
[Operative management of bilateral kidney stones] Michalowski E, et al.
Z Urol Nephrol 63:495-501, Jul 70 (Ger)
[Ureteral diseases--a surgical material] Rostad H.
Nord Med 84:1488-91, 19 Nov 70 (Nor)
[Evaluation of various means of ureterolithotomy] Rafkevich NP. Vestn Khir 105:90-3, Nov 70 (Rus)
[Posterior vertical lumbotomy] Lábady F, et al.
Bratisl Lek Listy 55:480-4, 1971 (Slo)

THERAPY

[Expulsion treatment of urinary calculi by the association of diuresis and mechanical actions] Cottet J, et al. J Urol Nephrol (Paris) 75:672-7, Sep 69 (Fre)
[Dangerous complications following the use of the Dormia concrement catcher] Elsner I, et al.
Zentralbl Chir 95:831-7, 11 Jul 70 (Ger)
[Ureteral stones. Mechanism and conservative treatment] Holmlund D.
Lakartidningen 66:4629-36, 5 Nov 69 (Swe)

VETERINARY

Renal and ureteral urolithiasis in a dog. Finco DR, et al.
J Am Vet Med Assoc 157:837-40, 15 Sep 70
The use of contrast media in the diagnosis of urinary tract abnormalities in the dog, with particular reference to infusion urography: a report of two cases. Walker RG, et al. Vet Rec 87:287-90, 5 Sep 70

URETERAL CATHETERIZATION see under

URINARY CATHETERIZATION (E1)

URETERAL DISEASES (C6)

Pyeloureteral dilation and pregnancy. Bellina JH, et al.
Am J Obstet Gynecol 108:356-63, 1 Oct 70
Ureteral sciatic hernias: case report of an infant with bilateral ureteral herniation into the sciatic foramina. Bohnert WW. J Urol 106:142-3, Jul 71
Multiple ureteral diverticula. Khonsari H, et al.
J Urol 105:183-5, Feb 71
Multiple ureteral diverticula. Scarcello NS, et al.
J Urol 106:36-7, Jul 71
[Ureteral schistosomiasis] Coolsaet BL, et al.
Ned Tijdschr Geneeskd 115:1038-41, 12 Jun 71 (Dut)
[A case of uretero-duodenal fistula] Devlesaver P.
Acta Urol Belg 37:431-3, 1969 (Fre)

CHEMICALLY INDUCED

Urinary tract dilatation and oral contraceptives. Guyer PB, et al. Br Med J 4:588-90, 5 Dec 70

COMPLICATIONS

Ureteral kinking and hydronephrosis in a transplanted kidney mimicking the rejection phenomenon. Weiss ER, et al. J Nucl Med 12:43-6, Jan 71
[An unusual cause of hematuria: peri-ureteral varices] Steg A, et al. Ann Urol (Paris) 3:65-72, May 69 (Fre)
[Caudal ureteral diverticulum fistulizing into to uterine cervix] Guillemin F.
J Urol Nephrol (Paris) 76:954-7, Oct-Nov 70 (Fre)
[Clinical and radiological study of skeletal and reno-ureteral changes in bladder extrophy] Panieri R, et al. Arch Sci Med (Torino) 126:1095-102, Dec 69 (Ita)
[Uronephrosis caused by periureteral endometriosis] Pagliere H, et al.
Rev Argent Urol Nefrol 39:75-9, Jan-Jun 70 (Spa)

DIAGNOSIS

[Cystic ureteritis] Campagnoli M, et al.
Pathologica 61:185-92, May-Jun 69 (Ita)

DRUG THERAPY

Retroperitoneal fibrosis. Response to corticosteroid therapy. Morandi LP, et al.
Arch Intern Med 128:295-8, Aug 71
[Is the corticoid treatment of tuberculous ureteral stenosis promising success?] Carstensen E, et al.
Z Urol Nephrol 62:327-30, 1969 (Ger)

ETIOLOGY

Pathologic effects of schistomiasis in Ibadan Western State of Nigeria. II. Pathogenesis of lesions of the bladder and ureters. Von Lichtenberg F, et al.
Am J Trop Med Hyg 20:244-54, Mar 71
Uretero-ileal fistula due to Crohn's disease. Blumgart LH, et al. Br J Surg 58:469-70, Jun 71
Pyelo-pelvic and uretero-ureteric reflux. Tresidder GC, et al. Br J Urol 42:728-35, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Progressive hydronephrosis, hydroureter, and dilatation of the bladder in siblings with congenital nephrogenic diabetes insipidus. Ten Bensel RW, et al. J Pediatr 77:439-43, Sep 70

Scrotal herniation of the ureter. Mallouh C, et al. J Urol 106:38-41, Jul 71

Aorto-renal bypass complicated by ureteral fistula. Rhame RC. J Urol 105:628-30, May 71

Polyarteritis nodosa: ureteral involvement. Samellas W, et al. J Urol 105:186-7, Feb 71

Experimental study of the development of a ureteral fistula following surgical trauma. Pagano F, et al. Urol Int 25:342-52, 1970

[Urological complications of abdomino-perineal extirpation of the rectum] Thorsoe H. Ugeskr Laeger 133:739-43, 23 Apr 71 (Dan)

[Uterine prolapse producing major bilateral ureterohydronephrosis] Jeukenne M. Acta Urol Belg 38:357-60, Jul 70 (Fre)

[Urologic repercussions of advanced uterine prolapse] Schulman CC. Acta Urol Belg 38:510-5, 1970 (Fre)

[Urine extravasation following spontaneous rupture of the ureter above a ureteral lithiasis] Baert L, et al. Ann Urol (Paris) 4:249-52, Dec 70 (Fre)

[Bilateral uretero-vaginal fistulae after radical hysterectomy. Apropos of 2 cases treated by vesical bipartition] Boccon-Gibod L, et al. J Urol Nephrol (Paris) 77:649-52, Jul-Aug 71 (Fre)

[57 long-standing bilharzia lesions of the ureter. Therapeutic choice] Carayon A, et al. Med Trop (Mars) 30:666-71, Sep-Oct 70 (Fre)

[A case of colonic Crohn's disease with pyelo-ureteral effect in an adolescent] Simon GC. Sem Hop Paris 46:2615-21, 14 Oct 70 (Fre)

[Recurrent nephritic colic due to ureteral compression by the renal artery] Kamoun A, et al. Tunis Med 47:431-2, Nov-Dec 69 (Fre)

[Clinical aspects and therapy of diseases of the ureteral stump] Gödde S, et al. Z Urol Nephrol 64:195-206, Mar 71 (Ger)

[Neourocyst of iatrogenic origin] De Negri G. Minerva Ginecol 22:1078-81, 15 Nov 70 (Ita)

PATHOLOGY

Dilatation of the renal tract in children with neurospinal dysraphism. Forbes M, et al. Arch Dis Child 45:711, Oct 70

Factors which contribute to or prevent sloughing of the distal ureter: an experimenatal study. Rinker JR, et al. J Urol 104:675-8, Nov 70

Localized amyloid tumor of the ureter: report of a case. Takaha M, et al. J Urol 105:502-4, Apr 71

PHYSIOPATHOLOGY

[Remarks on normal and pathologic ureteral transit] Vanwelkenhuyzen P. Acta Urol Belg 37:337-42, 1969 (Fre)

RADIOGRAPHY

The electro-ureterogram. Influence of diuresis and obstruction. Vereecken RL, et al. Acta Urol Belg 38:266-76, Jul 70

Ureterouterine fistula after cesarean section. Diagnostic procedures. el-Mahgoub S, et al. Am J Obstet Gynecol 110:881-2, 15 Jul 71

Megaureter in infants and children: roentgenologic, clinical, and surgical aspects. Weber AL, et al. Am J Roentgenol Radium Ther Nucl Med 112:170-7, May 71

Striation (longitudinal mucosal folds) in the upper urinary tract. 3. Urinary tract striation in children: some experimental observations. Astley R. Br J Radiol 44:452-6, Jun 71

Striation (longitudinal mucosal folds) in the upper urinary tract. II. A comparison of findings in children and adults. Cremin BJ, et al. Br J Radiol 44:449-52, Jun 71

Striation (longitudinal mucosal folds) in the upper urinary tract. I. Striated renal pelvis and ureter in children. Hyde I, et al. Br J Radiol 44:445-9, Jun 71

Localized ureteral cysts simulating carcinoma. Axman MM, et al. Radiology 98:361-2, Feb 71

Radiological evaluation of primary megaloureter. The aperistaltic distal ureteral segment. Pfister RC, et al. Radiology 99:503-10, Jun 71

[Significance of the record of ureter activity by means of x-ray cinematography] Marádek J, et al. Cesk Gynekol 36:82-3, Mar 71 (Cze)

[Cystic pyelo-ureteritis] Lerut R, et al. Acta Urol Belg 37:343-50, 1969 (Fre)

[Apropos of a case of cystic pyelo-ureteral dystrophy] Anjou A, et al. J Radiol Electrol Med Nucl 51:94, Jan-Feb 70 (Fre)

[Bilateral sub-sphincteral ureteral ectopic joining. Diagnostical value of uro-tomographies] Rometti A, et al. J Urol Nephrol (Paris) 76:761-2, Jul-Aug 70 (Fre)

[An unusual case of unilateral double ureter] Kuhlmann HW. Z Urol Nephrol 63:373-6, May 70 (Ger)

[Cystic cystoureteropyelitis. Clinico-radiological considerations on 2 cases] Scaglione P, et al. Minerva Urol 22:73-80, May-Jun 70 (Ita)

[Clinical and iconographic contribution to cystic pyelo-ureteritis] Ventura M. Minerva Urol 21:95-100, May-Jun 69 (Ita)

[Radiological aspects of megaureter] Cagnoni G. Osp Ital Chir 22:255-60, May-Jun 70 (Ita)

[Effects of anomalous vessels on the pelvic ureter] Caracciolo F, et al. Quad Radiol 34:135-48, Mar-Apr 69 (Ita)

[Cystic pyeloureteritis. Radiological observations on 4 cases] Musumeci R, et al. Radiol Med (Torino) 55:16-22, Jan 69 (Ita)

[Localization of uretero-vaginal fistula] Marton I, et al. Rozhl Chir 50:370-4, Jul 71 (Slo)

SURGERY

Ureterovaginal fistula. Lee RA, et al. Am J Obstet Gynecol 109:1032-5, 1 Apr 71

Some experiences with the modified Boari bladder flap operation. Haga JJ vam, et al. Arch Chir Neerl 22:155-64, 1970

Experiences with the Boari flap. Pearson BS. Br J Urol 42:740, Dec 70

Segmental ureteritis: a report of 4 surgical cases. Dahl DS. J Urol 105:642-6, May 71

Membranous urethroplasty. Talbot HS. Proc Annu Clin Spinal Cord Inj Conf 16:162-3, 1967

[Longitudinal modeling ureteroplasty (Hendren's operation). Apropos of 22 cases] Monfort G, et al. Ann Chir Infant 12:221-4, May-Jun 71 (Fre)

[Indication for Boari's surgery] Amsler E. Helv Chir Acta 37:481-8, Aug 70 (Fre)

[Treatment of the syndrome of junction by plasty with a tubuled pyelic flap (8 cases, with presentation of a 16mm film)] Benady F. J Urol Nephrol (Paris) 76:721-5, Jul-Aug 70 (Fre)

[Extensive indications of meatotomy based on the Yunen-Fetter technic] Guillemin P, et al. J Urol Nephrol (Paris) 76:964-6, Oct-Nov 70 (Fre)

[Apropos of a case of periureteral retroperitoneal sclerolipomatosis] Martin-Laval D. J Urol Nephrol (Paris) 76:768-70, Jul-Aug 70 (Fre)

[Late results of flap plastic surgery according to Boari-Kiss] Schimatzek A. Helv Chir Acta 37:491-3, Aug 70 (Ger)

[Plastic surgery of the ureter] Sulmoni A. Ther Umsch 27:283-7, May 70 (Ger)

[Rare female urogenital fistulas] Albescu I. Z Geburtshilfe Gynaekol 172:213-9, Jun 70 (Ger)

[Mediating of ureter defects with fibrin film. Animal experiment study] Albert L, et al. Z Urol Nephrol 62:585-90, 1969 (Ger)

[Late results of surgery for the intestinal replacement of urinary pathways in childhood] Hradec E. Z Urol Nephrol 62:843-6, Nov 69 (Ger)

[Operative urologic management of ureteral injuries after obstetric-gynecologic intervention and radiation] Lenz P, et al. Z Urol Nephrol 63:423-9, Jun 70 (Ger)

[Operative management of urologic complications of gynecologic diseases] Schmiedt E. Z Urol Nephrol 63:547-62, Jul 70 (Ger)

[The use of the intestine in the surgical treatment of uro-genital fistulas] Sorrentino F. Osp Ital Chir 22:49-63, Jan 70 (Ita)

[Experience of ureterolleovesicostomy for ureterovaginal fistula following extensive pan-hysterectomy] Ishihara M. Sanfujinka Jissai 20:689-93, Jun 71 (Jap)

[Treatment of uretero-vaginal fistulas based on our own observations] Szkodny A, et al. Pol Przegl Chir 43:Suppl 2a:365+, Feb 71 (Pol)

[Repeat surgery for stenosis following plastic surgery on pyelo-ureteral junction] Wesolowski S. Pol Przegl Chir 43:963-75, Jun 71 (Pol)

Experience in the treatment of urovaginal fistulae in the Colonia Hospital] Fernández del Castillo C, et al. Ginecol Obstet Mex 28:525-37, Nov 70 (Spa)

[Surgical hemorrhages of the upper urinary tract] Puigvert A, et al. Rev Clin Esp 115:165-72, 15 Nov 69 (Spa)

VETERINARY

Morphological changes in the ureters as a cause of gout in chicken A avitaminosis. Konstantinov A. Doki Belg Akad Nauk 23:461-4, 1970

URETERAL NEOPLASMS (C2)

Benign polypoidal tumour of the ureter. Bose B, et al. Br J Surg 58:149-51, Feb 71

Benign fibro-epithelial polyps of the ureter. Knackstedt J, et al. Br J Urol 43:284-8, Jun 71

Ureteral metastasis from renal adenocarcinoma. Gross M, et al. J Urol 106:23-6, Jul 71

Fifty-two cases of primary ureteral carcinoma: a clinical-pathologic study. Hawtrey CE. J Urol 105:188-93, Feb 71

Bilateral, synchronous, primary transitional cell carcinoma of the ureter: report of 2 cases add review of literature. Talavera JM, et al. J Urol 104:679-83, Nov 70

Implant metastases to the ureteral stump from hypernephroma. Report of a case. Seppänen J, et al. Scand J Urol Nephrol 4:81-2, 1970

Ureteral metastasis from hypernephroma of the contralateral kidney. Hudson HC, et al. South Med J 64:618-20, May 71

[Secondary ureteral cancer] Mutricy F. Ann Urol (Paris) 3:43-50, Feb 69 (Fre)

[Primary tumors of upper excretory tracts] Rometti A, et al. Ann Urol (Paris) 5:9-20, Feb 71 (Fre)

[Fibrous polyps of the left iliac ureter going to the bladder] Boissonnat P. J Urol Nephrol (Paris) 77:129-30, Jan-Feb 71 (Fre)

[Neoplasms of kidney pelvis and ureter (clinical aspects, therapy and prognosis)] Nagel R, et al. Med Monatsschr 25:159-67, Apr 71 (65 ref.) (Ger)

[Clinical aspects and therapy of epithelial tumors of the renal pelvis and ureters] Becker H, et al. Med Welt 15:804-9, 10 Apr 71 (Ger)

[Fibroepithelial tumors of the ureter] Nette R. Z Aerztl Fortbild (Jena) 64:73-8, 15 Jan 70 (Ger)

[Primary tumors of the renal pelvis and ureter] Meiser M, et al. Harefuah 79:208-13, 1 Sep 70 (Heb)

[On 44 cases of papillary tumors of the renal pelvis and the ureter] Viliani U. Arch Ital Urol Nefrol 42:5-28, 1969 (Ita)

[The papilliferous tumours of the ureter] Boffi L, et al. Osp Ital Chir 22:127-31, Feb 70 (Ita)

[Vesico-ureteral invasion in neoplasms of the uterine cervix. Anatomo-histopathological and clinical study of 5 cases] Innamorati G, et al. Quad Clin Ostet Ginecol 24:145-61, Feb 69 (Ita)

[Tumors of the ureter] Kotula V, et al. Bratisl Lek Listy 55:494-500, 1971 (Slo)

COMPLICATIONS

Carcinoma of the ureter with thrombosis of inferior vena cava. Banerjee AK, et al. Indian J Pathol Bacteriol 13:35-7, Jan 70

Non-visualization of the kidney due to a ureteral pheochromocytoma. Allen SD, et al. J Urol 105:571-4, Apr 71

[Gastric cancer metastasizing to the ureter--a case resulting in anuria] Seki M, et al. Jap J Cancer Clin 16:1017-22, Sep 70 (Jap)

DIAGNOSIS

[Secondary invasion of the ureters during the course of diffuse polyposis. Apropos of 2 cases] Camey M, et al. J Urol Nephrol (Paris) 77:108-11, Jan-Feb 71 (Fre)

[A case of vermicular prolapse of the ureter into the bladder] Xerri A, et al. J Urol Nephrol (Paris) 77:125-9, Jan-Feb 71 (Fre)

ETIOLOGY

Glandular neoplasia within the urinary tract. The aetiology of adenocarcinoma of the urothelium with a review of the literature. I. Introduction: the origin of glandular epithelium in the renal pelvis, ureter and bladder. Ward AM. Virchows Arch [Pathol Anat] 352:296-311, 1971

[Primary cancer of the stump of the ureter] Vedenko BG, et al. Klin Khir 7:70-1, Jul 70 (Rus)

PATHOLOGY

Leiomyosarcoma of the ureter. Shah JP, et al. J Urol 105:505-6, Apr 71

[Ureteral tumors in children] Valeton J. Zentralbl Chir 96:483-7, 3 Apr 71 (Ger)

RADIOGRAPHY

Localized ureteral cysts simulating carcinoma. Axman MM, et al. Radiology 98:361-2, Feb 71

[Angiography in ureteral neoplasms] Braedel HU, et al. Fortschr Geb Roentgenstr Nuklearmed 114:127-8, Jan 71 (Ger)

[On primary ureteral neoplasms] Moretti E, et al. Minerva Urol 23:53-69, Mar-Apr 71 (Ita)

RADIOTHERAPY

The radiotherapy of malignant disease of the kidney and ureter. Sandeman TF. Australas Radiol 14:285-93, Aug 70

SURGERY

Primary benign ureteral tumor of mesodermal origin. Hudson HC, et al. J Urol 105:794-6, Jun 71

[Treatment of tumors of the kidney pelvis and of the ureter (57 cases)] Déliyéliotis A, et al. J Urol Nephrol (Paris) 76:839-50, Jul-Aug 70 (Fre)

[Plastic surgery of the ureter] Sulmoni A. Ther Umsch 27:283-7, May 70 (Ger)

[Papillary fibromas of the kidney pelvis and ureter (early surgical treatment)] Czaika F, et al. Z Urol Nephrol 63:161-6, 1970 (Ger)

[Primary carcinoma of the ureter. Anatomo-clinical, radiologic aspects and surgical therapy] Franceschini R, et al. Ann Ital Chir 45:870-88, 1969 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

URETERAL OBSTRUCTION (C6)

[Ureteral obstruction in a solitary kidney] Navrátil P. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 3:255+, 1970 (Cze)
[Periureteral strictures] Couvelaire R. Rev Med Liege 25:581-5, 15 Sep 70 (Fre)
[Ureteral stenoses in childhood] Brandesky G. Wien Med Wochenschr 120:453-6, 20 Jun 70 (Ger)

COMPLICATIONS

Two autopsy cases of congenital hydronephrosis due to ureteral obstruction. Kamiyama R, et al. Acta Pathol Jap 20:207-13, May 70
Unilateral renal cortical necrosis. Case report and experimental observations. Blau EB, et al. Am J Dis Child 122:31-3, Jul 71
Hydronephorsis due to pelvi-ureteric obstruction in children. An assessment of the anterior transperitoneal approach. Eckstein HB, et al. Br J Surg 58:663-7, Sep 71
Tuberculous ureteric strictures. Story HF. Br J Urol 42:737, Dec 70
The effect of intra-uterine urinary obstruction upon the development of the fetal kidney. Beck AD. J Urol 105:784-9, Jun 71
Obstruction: back pressure or residual volume and laminar flow. Hinman F Jr. J Urol 105:702-8, May 71
Spontaneous rupture of the collecting system of the kidney: an evaluation. Smulewicz JJ, et al. J Urol 104:507-11, Oct 70
Miniature kidneys due to obstructive atrophy. Experimental observations in dogs. Friedland GW, et al. Radiology 99:273-7, May 71
Peripelvic extravasation with acute ureteral obstruction. Dudzinski PJ, et al. Rocky Mt Med J 67:49-50, Dec 70
Hydronephrosis in health and disease. Leadbetter GW Jr, et al. Trans Am Assoc Genitourin Surg 62:107-13, 1970
[An unusual cause of varicocele: probable explanation for left laterality of varicocele] Staelens R. Acta Urol Belg 38:333-6, Jul 70 (Fre)
[New radiologic possibilities of exploration of hydronephrosis due to pyelo-ureteral junction obstruction] Maxeman E, et al. J Belge Radiol 52:279-92, Nov-Dec 69 (Fre)
[On malignant obstructive uremia] Sesenna R, et al. Arch Ital Urol Nefrol 43:7-16, 1970 (Ita)
[Puncture biopsy of thekidneys in pyelonephritis caused by obstructive lesions of the ureter] Gladkov VA, et al. Klin Med (Mosk) 48:44-7, Jul 70 (Rus)

CONGENITAL

Bilateral noncalculous ureteropelvic obstruction. Report of a case associated with anuria. Stewart BH, et al. Ohio State Med J 66:920-1, Sep 70
[Congenital stenosis of the terminal ureter] Debled G. Acta Urol Belg 38:9-16, Jan 70 (Fre)
[Antireflux operation: indication and results] Moormann JG, et al. Urologe 9:241-8, Sep 70 (Ger)

DIAGNOSIS

Water excretion in infants and children with obstructive uropathy. Chantler C, et al. Arch Dis Child 45:713, Oct 70
Bilateral ureteral obstruction simulating recurrent acute renal failure. Steffee WP, et al. JAMA 214:911-2, 2 Nov 70
The use of the renogram in obstructive uropathy due to pelvic tumours. Henk JM, et al. Nucl Med (Stuttg) 9:30-5, 30 Mar 70
[Pseudo lower ureteral syndrome of osseous origin: the subinguinal point] Lethé P. Acta Urol Belg 38:87-92, Jan 70 (Fre)

DRUG THERAPY

[Use of prednisone in ureteral stenosis after irradiation and (or) pelvic surgery] Michielsen JP, et al. Acta Urol Belg 38:100-2, Jan 70 (Fre)
[Gentamicin and urinary obstruction] Rodríguez Díaz LH, et al. Rev Venez Urol 22:125-36, Jan-Jun 70 (Spa)

ETIOLOGY

Ureteral obstruction in chronic ectopic pregnancy. Hovadhanakul P, et al. Am J Obstet Gynecol 110:311-3, 1 Jun 71
Ureteral strictures after radiation therapy for carcinoma of the uterine cervix. Slater JM, et al. Am J Roentgenol Radium Ther Nucl Med 111:269-72, Feb 71
Multiple aneurysms and ureteral obstruction. Thomas TV, et al. Am Surg 37:444-7, Jul 71
Ureteric obstruction due to peri-aneurysmal fibrosis. Abercrombie GF, et al. Br J Urol 43:170-3, Apr 71
Ureteric obstruction in tuberculosis. Claridge M. Br J Urol 42:688-92, Dec 70
Acute obstructive uropathy due to prolapsed ectopic ureterocele. Case report. Gingell JC, et al. Br J Urol 43:305-8, Jun 71
The ureter in renal tuberculosis. Rees RW, et al. Br J Urol 42:693-6, Dec 70
The roentgenographic features of ureteral obstruction secondary to granulomatous disease of the bowel. Rabinowitz JG, et al. Clin Radiol 22:205-9, Apr 71
Transvesical repair of ureteral stenosis secondary to electrosurgical injury. el-Masry I, et al. J Med Assoc Thai 54:190-5, Mar 71
Non-visualization of the kidney due to a ureteral pheochromocytoma. Allen SD, et al. J Urol 105:571-4, Apr 71
Late obstruction after ureteroneocystostomy. Weiss RM, et al. J Urol 106:144-8, Jul 71
Ureteral obstruction complicating the IUD. Kirk MR, et al. JAMA 215:1156, 15 Feb 71
Ureteral stones. An experimental and clinical study of the mechanism of the passage and arrest of ureteral stones. Holmlund D. Scand J Urol Nephrol 1:Suppl 1:1-80, 1968
Ureteric obstruction caused by yeast-like fungi. Schönebeck J, et al. Scand J Urol Nephrol 4:171-5, 1970
[Epsilon aminocaproic acid as a possible cause of postrenal anuria following prostectomy] Neergaard P, et al. Ugeskr Laeger 132:2021-3, 22 Oct 70 (Dan)
[Right pyelic dilation by ureteral compression during an ileocolic localisation of Crohn's disease] Paris J, et al. Acta Gastroenterol Belg 32:645-51, Sep 69 (Fre)
[Lower ureter syndrome of extrinsic norigin: pelvic ureter strangulation due to retroperitoneal sclerolipomatosis] Auvray P, et al. Acta Urol Belg 38:80-6, Jan 70 (Fre)
[Extrinsic stenosis of the lower ureter] Brenez J. Acta Urol Belg 38:64-72, Jan 70 (Fre)
[Ureteral obstruction] Defoort R, et al. Acta Urol Belg 38:96-9, Jan 70 (Fre)
[Lower ureter syndrome of extrinsic origin] Demanet L. Acta Urol Belg 38:107-11, Jan 70 (Fre)
[The ureter in lymphogranulomatosis] Denis LJ, et al. Acta Urol Belg 38:93-5, Jan 70 (Fre)
[Bifid ureter with ureteral meatus stenosis associated with an extensive ureterohydronephrosis in a 17-month-old boy] Naoumidis S. Acta Urol Belg 38:527-30, 1970 (Fre)
[Extrinsic stenosis of the lower ureter] Vanwelkenhuyzen P. Acta Urol Belg 38:73-9, Jan 70 (Fre)
[Lower ureteral syndrome of extrinsic origin] Wincqz PJ. Acta Urol Belg 38:103-6, Jan 70 (Fre)
[Extrinsic obstruction of the pelvic ureter. Its causes and treatment] Demetriad M, et al. J Urol Nephrol (Paris) 76:726-34, Jul-Aug 70 (Fre)
[Recurrence of stenosing tuberculous ureteritis. Recovery after medical treatment alone] Lazzaretti R. J Urol Nephrol (Paris) 77:284-5, Mar 71 (Fre)
[Retroperitoneal fibrosis associated with an aortic aneurysm. Apropos of 2 cases] Wagenknecht LV. J Urol Nephrol (Paris) 77:217-24, Mar 71 (Fre)
[Atypical ureteral impression caused by crossing vessel] Fussek H, et al. Fortschr Geb Roentgenstr Nuklearmed 114:129-30, Jan 71 (Ger)
[Urine outflow disorders in gynecologic diseases] Kremling H. Med Klin 65:1643-6, 18 Sep 70 (Ger)
[Ureteral stenosis due to varicosis] Brunzema F, et al. Z Urol Nephrol 63:627-30, Aug 70 (Ger)
[Hydronephrosis due to persistent umbilical artery in children] Galica-Zarembina E. Z Urol Nephrol 63:621-6, Aug 70 (Ger)
[Anuria as a consequence of ureter ligatures after gynecologic surgery] Battke H. Zentralbl Gynaekol 92:215-9, 14 Feb 70 (Ger)
[Hydronephrosis caused by obstructed ureteral outflow in aneurysm of the abdominal aorta] Tendella E, et al. Policlinico [Chir] 78:1-11, Jan-Feb 71 (Ita)
[Ovarian vein syndrome] Liavåg I, et al. Tidsskr Nor Laegeforen 91:1541-4, 10 Aug 71 (Nor)

MICROBIOLOGY

New human papovavirus (B.K.) isolated from urine after renal transplantation. Gardner SD, et al. Lancet 1:1253-7, 19 Jun 71

PHYSIOPATHOLOGY

Renal arterial calibre after acute unilateral ureteric occlusion. Rothfield NJ. Australas Radiol 14:194-6, May 70
The effect of osmotic diuresis on the radio-isotope renogram in ureteric obstruction. Gray W. Br J Urol 42:425-8, Aug 70
Cortical blood flow in ureteral obstruction. Lackner H, et al. Invest Urol 8:319-23, Nov 70
Experimental partial ureteral obstruction. I. Alteration in renal function. Stecker JF Jr, et al. Invest Urol 8:377-85, Jan 71
Alterations in renal function immediately after release of acute total unilateral ureteral occlusion. Vaughan ED Jr, et al. Invest Urol 8:450-61, Jan 71
The postobstructive kidney. Observations on nephron function after the relief of 24 hr of ureteral ligation in the dog. Bercovitch DD, et al. J Clin Invest 50:1154-65, May 71
Recovery following complete chronic unilateral ureteral occlusion: functional, radiographic and pathologic alterations. Vaughan ED Jr, et al. J Urol 106:27-35, Jul 71
Effects of nephrectomy and ureteral occlusion on extracellular fluid measurements during shock. Crystal RG, et al. Surg Gynecol Obstet 131:1109-14, Dec 70

PREVENTION & CONTROL

[Technical facilitatio in the Harris-Hryntschak suprapubic transvesical prostatectomy] Drawz G. Zentralbl Chir 95:802, 4 Jul 70 (Ger)

RADIOGRAPHY

The electro-ureterogram. Influence of diuresis and obstruction. Vereecken RL, et al. Acta Urol Belg 38:266-76, Jul 70
Vascular impressions on the ureters. Chait A, et al. Am J Roentgenol Radium Ther Nucl Med 111:729-49, Apr 71
Obstructive nephropathy in pigs. Craven JD. Br J Radiol 44:232, Mar 71
The roentgenographic features of ureteral obstruction secondary to granulomatous disease of the bowel. Rabinowitz JG, et al. Clin Radiol 22:205-9, Apr 71
The view box. Love L. Ill Med J 139:593, Jun 71
Radiological evaluation of primary megaloureter. The aperistaltic distal ureteral segment. Pfister RC, et al. Radiology 99:563-10, Jun 71
[Pseudostenosis of the pyelo-ureteral junction] Denis L, et al. J Belge Radiol 52:277-8, Nov-Dec 69 (Fre)
[Radiographic-anatomic comparisons in experimenal ureteral occlusion and after restoration of its patency] Kan DV, et al. Eksp Khir Anesteziol 15:47-51, Sep-Oct 70 (Rus)

SURGERY

Nephrostomy in renal transplantation. Olsson CA, et al. Am J Surg 121:467-72, Apr 71
Lower ureteric obstruction in children. Flatmark AL, et al. Br J Urol 42:434-8, Aug 70
Advancing V-flap modification for the dismembered pyeloplasty. Devine CJ Jr, et al. J Urol 104:810-6, Dec 70
[Indication for Boari's surgery] Amsler E. Helv Chir Acta 37:481-8, Aug 70 (Fre)
[Clinical applications of the experimental replacement of the ureter with silicone elastomers tubes] Auvert J, et al. J Urol Nephrol (Paris) 76:734-41, Jul-Aug 70 (Fre)
[Surgical treatment of urological complications after gynecologic surgery] Hohenfellner R. Helv Chir Acta 37:489-90, Aug 70 (Ger)
[Plastic corrections of congenital ureteral stenoses in childhood] Gödde S. Z Urol Nephrol 62:847-50, Nov 69 (Ger)
[Operative urologic management of ureteral injuries after obstetric-gynecologic intervention and radiation] Lenz P, et al. Z Urol Nephrol 63:423-9, Jun 70 (Ger)
[Viewpoints in the management of bilateral urinary passage ligature] Meridies R, et al. Z Urol Nephrol 63:401-4, Jun 70 (Ger)
[Operative management of urologic complications of gynecologic diseases] Schmiedt E. Z Urol Nephrol 63:547-62, Jul 70 (Ger)
[Surgical therapy of injuries after obstetric-gynecologic intervention] Schmitz W, et al. Z Urol Nephrol 63:657-68, Sep 70 (Ger)
[Conservative management of ureteral injuries after obstetric-gynecologic intervention and radiation] Schmitz W, et al. Z Urol Nephrol 63:417-21, Jun 70 (Ger)
[Plastic kidney pelvis reoperation for ureteral neck stenosis] Wesolowski S. Z Urol Nephrol 63:485-94, Jul 70 (Ger)
[Pre- and post-operative renographic evaluation in dysectasia of the pyeloureteral junction] Alberti C, et al. Minerva Med 62:330-5, 27 Jan 71 (Ita)
[Uteroplasty with a bladder graft according to the Casati-Boari method] Migliardi L. Minerva Urol 21:13-5, Jan-Feb 69 (Ita)
[Reconstructive operation of traumatic ureteral stricture] Kuroda K, et al. Shujutsu 24:1492-7, Dec 70 (Jap)
[Performance of ureteroplasty in children] Krzywicka B. Pol Przegl Chir 43:1027-9, Jun 71 (Pol)
[Radiographic-anatomic comparisons in experimenal ureteral occlusion and after restoration of its patency] Kan DV, et al. Eksp Khir Anesteziol 15:47-51, Sep-Oct 70 (Rus)
[Surgical treatment of strictures of the lower portion of the ureter] Lopatkin NA, et al. Urol Nefrol (Mosk) 35:22-5, Nov-Dec 70 (Rus)
[Ureteral reflux in children] Murvanidze DD, et al. Vestn Khir 106:84-6, Apr 71 (Rus)
[Feelings of an elderly surgeon when on the operating table] Sokolov NN. Vestn Khir 102:145-7, May 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

THERAPY

[Extrinsic obstruction of the pelvic ureter. Its causes and treatment] Demetriad M, et al.
J Urol Nephrol (Paris) 76:726-34, Jul-Aug 70 (Fre)
[Peritoneal dialysis in acute renal failure in infants and small children] Goll U, et al.
Arch Kinderheilkd 182:7-16, 1970 (Ger)

URETEROCELE (C6)

[Ectopic ureterocele in children] Felderhof J, et al.
Maandschr Kindergeneeskd 39:162-6, Jul 71 (Dut)
[Ectopic ureterocele (considerations on a clinical case)] Bruttini GP, et al.
Minerva Urol 21:101-6, May-Jun 69 (Ita)

COMPLICATIONS

Acute obstructive uropathy due to prolapsed ectopic ureterocele. Case report. Gingell JC, et al.
Br J Urol 43:305-8, Jun 71
Crossed, fused, renal ectopia with an ectopic ureterocele. Malek RS, et al. J Urol 104:665-7, Nov 70
[Furadantin calculi in an ureterocele] Menzi P.
Helv Chir Acta 37:538-40, Aug 70 (Ger)

DIAGNOSIS

False ureterocele: lower ureteral stone simulating ureterocele. Datta NS, et al. Br J Urol 43:301-4, Jun 71

EMBRYOLOGY

Caecoureterocele and concepts on the embryology and aetiology of ureteroceles. Stephens D.
Aust NZ J Surg 40:239-48, Feb 71

ETIOLOGY

[Pathology associated with pyelo-ureteral duplications and bifidity] Fauré C, et al.
J Radiol Electrol Med Nucl 51:123-6, Mar-Apr 70 (Fre)
[Case of prolapsing ureterocele in a 15-day-old girl] Daszkiewicz E, et al.
Pol Tyg Lek 26:831-2, 31 May 71 (Pol)

RADIOGRAPHY

The 'eye squirt sign' as a radiological sign of ureterocele formation. Cremin BJ, et al.
S Afr Med J 44:1217-8, 24 Oct 70
[Intravesical cystoid (ureterocele). Some therapeutic considerations] Paramo G, et al.
J Urol Nephrol (Paris) 76:677-86, Jul-Aug 70 (Fre)
[Clinical and statistical contribution to the study of ureterocele] Marini D, et al.
Minerva Radiol 14:58-68, Jan-Feb 69 (Ita)
[Ureterocele. Clinico-radiological considerations and principal elements of differential diagnosis] Morucci M, et al. Nunt Radiol 35:241-55, Apr 69 (Ita)

SURGERY

Surgical correction of ureteroceles in childhood. Hendren WH, et al. J Pediatr Surg 6:235-44, Jun 71
Ureterocele: surgical treatment. Boatwright DC.
J Urol 106:48-51, Jul 71
Simple operative repair of ureterocele (ureterocelorrhaphy). Mason T. J Urol 106:52-5, Jul 71
The management of ureteroceles. Royle MG, et al.
J Urol 106:42-7, Jul 71
[Intravesical cystoid (ureterocele). Some therapeutic considerations] Paramo G, et al.
J Urol Nephrol (Paris) 76:677-86, Jul-Aug 70 (Fre)
[Transurethral treatment of ureterocele in the adult] Madersbacher H, et al.
Z Urol Nephrol 64:183-90, Mar 71 (Ger)
[On the surgical treatment of pyelo-ureteral duplicity. (On 2 cases treated with heminephrectomy)] Pontiggia F, et al.
Minerva Urol 21:21-7, Jan-Feb 69 (Ita)

URETHANE (D2, D4)

see also related
POLYURETHANES (D13)

The significance of perinatal age periods and the dose of urethan on the tumor profile in the MRC rat. Kommineni VR, et al. Cancer Res 30:2552-5, Oct 70
Susceptibility of guinea pigs to chemical carcinogens: 7,12-Dimethylbenz(a)anthracene and urethan. Toth B.
Cancer Res 30:2583-9, Oct 70
Comparative studies on the kinetics of the neoplastic competence in mice. Vesselinovitch SD, et al.
Cancer Res 30:2548-51, Oct 70
The induction of malignant melanomas in Syrian white hamster by neonatal exposure to urethan. Vesselinovitch SD, et al. Cancer Res 30:2543-7, Oct 70
Controlling factors in urethan carcinogenesis in mice: effect of enzyme inducers and metabolic inhibitors. Yamamoto RS, et al. Cancer Res 31:483-6, May 71
Tumor induction with single urethan injection in newborn and adult syrian golden hamsters. A study on age influence. I. Toth B. Int J Cancer 6:63-8, 15 Jul 70
Urethan carcinogenesis in rats: importance of age and dose. Choudari Kommineni VR, et al.
J Natl Cancer Inst 45:687-96, Oct 70
Kinetics of nitrosamide formation from alkylureas, N-alkylurethans, and alkylguanidines: possible implications for the etiology of human gastric cancer. Mirvish SS. J Natl Cancer Inst 46:1183-93, Jun 71
Tumor induction by repeated injections of urethan in newborn and adult hamsters: age influence. II. Toth B.
J Natl Cancer Inst 46:81-93, Jan 71
[New steroid compounds with potential anticancerous activity. 3. The N-(thiadiazol-1,3,4-yl-2)-cholesteryl urethanes] Gagiu F, et al.
Ann Pharm Fr 29:285-9, Apr 71 (Fre)
[Pulmonary adenoma in Swiss mice receiving urethane. 8. Action of phenobarbital] Adenis L, et al.
C R Soc Biol (Paris) 164:560-2, 1970 (Fre)
[Mediastinal lymphoma of Swiss mice receiving urethane. X. Microscopic study of a series of germ-free animals receiving it for 10 weeks] Sacquet E, et al. C R Soc Biol (Paris) 164:557-60, 1970 (Fre)
[Pathology and pathogenesis of bovine enzootic leukosis. 5. Effect of urethane on the development of leukosis] Urbaneck D, et al.
Arch Exp Veterinaermed 24:859-72, 1970 (Ger)
[In vitro studies on the possible synthesis of cancerogenic nitrosamides in the stomach] Sander J, et al. Arzneim Forsch 21:411-4, Mar 71 (Ger)
[On the intrinsic factors of pulmonary cancerogenesis in the mouse: effects of complete Freund's adjuvant] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 29:81-91, 1969 (Ita)
[Different susceptibility of the alveolar and tracheobronchial epithelia of BALB-c-Cb-Se mice to tumorigenesis induced with urethane in isogenic transplants] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 30:147-60, 1970 (Ita)
[Tumors of the lung, reticulum and breast in BALB-c Cb-Se mice descending from parents treated with urethane in the neonatal period] Ribacchi R.
Lav Ist Anat Istol Patol Perugia 30:27-39, 1970 (Ita)
[Influence of thymectomy, splenectomy and cortisone on cancerogenesis] Della Porta G, et al.
Tumori 56:121-35, Mar-Apr 70 (Ita)
[The transplacental blastomogenic effect of urethane at various stages in the postnatal life of mice] Kolesnichenko TS.
Biull Eksp Biol Med 66:87-90, Nov 68 (Rus)
[Age-specific sensitivity of mice embryos to the blastomogenic effect of urethane] Kolesnichenko TS, et al. Biull Eksp Biol Med 71:85-7, Apr 71 (Rus)

ADMINISTRATION & DOSAGE

Tumor incidence and cellularity in lungs of mice given various dose schedules of urethan. White MR, et al.
Cancer Res 30:1030-6, Apr 70
The role of repeated administration of suckling mice with urethan on carcinogenesis. Matsuyama M, et al.
Nagoya Med J 16:105-11, Nov 70
Effects of urethane on electrocorticogram in the chicken. Shibata M, et al. Poult Sci 49:1484-91, Nov 70
[Change in the resistance of mice to virus infection (foot-and-mouth-disease virus) after pretreatment with urethane] Lübke A.
Zentralbl Bakteriol [Orig] 216:441-7, 1971 (Ger)
[The relationship between the dose and the effect of a carcinogenic substance in experimental production of lung cancer] Shabad LM.
Vopr Onkol 16:41-7, 1970 (Rus)
[Accelerated methods of determining the blastomogenic properties of chemical compounds (experiments with urethane)] Zadorozhnaia NA, et al.
Vopr Onkol 16:71-3, 1970 (Rus)

ADVERSE EFFECTS

[Etiology of bovine leukosis. 9. Test of the leukemogenic effect of urethane] Wittmann W, et al.
Arch Exp Veterinaermed 24:641-51, 1970 (Ger)

ANTAGONISTS & INHIBITORS

Reversal of chemical cleavage inhibition in echinoderm eggs. Rappaport R. J Exp Zool 176:249-55, Feb 71

CHEMICAL SYNTHESIS

Synthesis of new urethans. p-Ethylsulfonyl- and p-dimethylsulfamoylcarbanilic acid esters. Sharghi N, et al. J Med Chem 13:1248, Nov 70
[Synthesis of dithiourethanes using addition reactions] Kreutzkamp N, et al.
Arch Pharm (Weinheim) 304:477-81, Jul 71 (Ger)
[Synthesis of antimicrobial effective dithiourethanes. 12. Cytostatics] Schönenberger H, et al.
Pharmazie 25:734-6, Dec 70 (Ger)

METABOLISM

In vivo interaction of urethan with nucleic acids and proteins. Prodi G, et al. Cancer Res 30:2887-92, Dec 70
[In vivo reaction of urethane and methylcarbamate with liver RNA] Schnieders B, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:443-4, 1970 (Ger)

PHARMACODYNAMICS

Effect of urethan on calves inoculated with blind-passed bovine lymphosarcoma material. Hatziolos BC. Am J Vet Res 32:1007-17, Jul 71
The effect of ascorbic acid on evoked potentials in the dorsal hippocampus by stimulation of the fornix. Laguzzi RF, et al. Arzneim Forsch 20:1270-1, Sep 70
Liver regeneration and induction of hepatomas in B6AF mice by urethan. Chernozemski IN, et al.
Cancer Res 30:2685-90, Nov 70
Metabolic studies on the mechanism of urethan action V. Sequential metabolic changes in urethan treated Swiss mice with reference to nucleic acid metabolism. Giri CP, et al. Indian J Cancer 7:119-25, Jun 70
A cytological study of the relation of the cortical reaction to subsequent events of fertilization in urethane-treated eggs of the sea urchin, Arbacia punctulata. Longo FJ, et al.
J Cell Biol 47:846-65, Dec 70
Mutations induced in Amoeba proteus by the carcinogen N-methyl-N-nitrosourethane. Ord MJ.
J Cell Sci 7:531-48, Sep 70
Ovulation in the rat after urethane anaesthesia. Lincoln DW, et al. J Endocrinol 49:xxiv, Mar 71
The effect of anaesthesia on units in the thalamic reticular formation. Angel A, et al.
J Physiol (Lond) 210:167P-8, Sep 70
The effect of urethane on transmission along the dorsal column sensory pathway in the rat. Angel A, et al.
J Physiol (Lond) 208:32P-33P, May 70
Unit activity in rat diencephalic islands--the effect of anaesthetics. Cross BA, et al.
J Physiol (Lond) 212:467-81, Jan 71
Synergistic immunodepressive effect of 7,12-dimethylbenz(a)anthracene and urethan in the rat. Perocco P, et al.
Proc Soc Exp Biol Med 136:1024-6, Apr 71
Latent meiotic anomalies related to an ancestral exposure to a mutagenic agent. Lavappa KS, et al.
Science 172:171-4, 9 Apr 71
[Experimental morphological studies on animals; reactions of the bronchial mucosa to stimulation by aerosols] Kühne W.
Bronches 18:521-3, Nov-Dec 68 (Fre)
[Action of ethyl-urethane on the gastric evacuation in the rat] Rozé C, et al.
C R Soc Biol (Paris) 164:1955-8, 1970 (Fre)
[Action of pig gastrin and of gastrinic pentapeptide on pancreatic and biliary secretions in the anesthetized rat] Debray C, et al.
Sem Hop Paris 47:2016-22, 10 Jul 71 (Fre)
[Studies on the control of the burst activity of the olfactory bulb. 1. Olfactory bursts under urethane narcosis and following sensory stimuli in rabbits] Schwartze P. Acta Biol Med Ger 25:127-38, 1970 (Ger)
[Formation of conditioned reactions in rats under urethane narcosis and their examination in consciousness] Sinz R.
Acta Biol Med Ger 26:733-46, 1971 (Ger)
[The electrocardiogram of awake and narcotized rats] Heering H.
Arch Int Pharmacodyn Ther 185:306-28, Jun 70 (Ger)
[Effect of ethyl urethane and cyclophosphamide on the multiplication and respiration of Escherichia coli] Burger G.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:121-2, 1971 (Ger)
[Effect of urethane and cortisone on carcinogenesis in lung isotransplants in mice] Turbin NV, et al.
Dokl Akad Nauk SSSR 193:1400-1, 1970 (Rus)

THERAPEUTIC USE

[Cytostatic effect of some new O-alkylurethanes of the diphenylmethanes in vivo] Steflea D, et al.
Pract Otorhinolaryngol (Basel) 26:349-51, Jun 71 (Ger)

TOXICITY

Induction of lung adenomas by chronic inhalation of bis (chloromethyl) ether. Leong BK, et al.
Arch Environ Health 22:663-6, Jun 71
Effects of urethane on embryonic development in the mouse. I. The period of organogenesis. Diwan BA, et al. Indian J Exp Biol 8:167-70, Jul 70
Chemical structure of polyurethane foam. Woolrich PF. J Occup Med 12:529, Dec 70
The effect of urethane on newborn calves. Hatziolos BC. Zentralbl Veterinaermed [A] 17:743-56, Sep 70

URETHRA (A5)

An unusual case of feline urethral obstruction. André PG, et al. J Small Anim Pract 11:563-5, Aug 70
Recurrent urinary tract infections in women: prevention by topical application of antimicrobial

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ointment to urethral meatus. Landes RR, et al. J Urol 104:749-50, Nov 70
[Electromyography of the anal and urethral sphincters in diagnosis of cauda equina and lumbosacral medullary disorders] Jessel M, et al. Rev Neurol (Paris) 122:431-4, Jun 70 (Fre)
[Urinary retention caused by unusual foreign bodies] Terhorst B. Z Urol Nephrol 62:473-5, 1969 (Ger)
[Female adrenocortical pseudohermaphroditism with penile urethra] Fonti FE, et al. Pediatria (Napoli) 78:561-74, 30 Jul 70 (Ita)
[Foreign bodies in the urethra] St. Kossakowski J, et al. Pol Przegl Chir 43:Suppl 2a:361+, Feb 71 (Pol)

ABNORMALITIES

Diverticulum of the urethra in two boys. Meiraz D, et al. Am J Dis Child 122:271-3, Sep 71
Ureteral ectopia into a Wolffian duct remnant (Gartner's ducts or cysts) presenting as a urethral diverticulum in two girls. Vanhoutte JJ. Am J Roentgenol Radium Ther Nucl Med 110:540-5, Nov 70
Hypospadias and cryptospadias. Meulen JC van der. Br J Plast Surg 24:101-8, Jan 71
Neonatal "urinothorax" associated with posterior urethral valves. Friedland GW, et al. Br J Radiol 44:471-4, Jun 71
Complete dorsal duplication of the male urethra as an isolated deformity presenting as glandular epispadias. Wilson AN. Br J Urol 43:338-9, Jun 71
Hypertrophied verumontanum producing urinary obstruction. Bapna BC, et al. Indian J Pediatr 37:155-7, Apr 70
Intra-uterine atrophy and gangrene of the lower extremity of the foetus caused by megacystis due to urethral atresia. Rális Z, et al. J Pathol 104:31-5, May 71
Agenesis of the penis. Axpiroz J. J Pediatr Surg 6:74, Feb 71
Ectopic prostatic tissue in urethra: a clinicopathological entity and a significant cause of hematuria. Butterick JD, et al. J Urol 105:97-104, Jan 71
Congenital urethral duplication. Schmidt JD. J Urol 105:397-9, Mar 71
Penile urethra in a Bantu female intersex. Grace HJ, et al. S Afr Med J 44:1113-5, 3 Oct 70
Seasonal distribution of births of boys with anomalies of the urethra. Theander G. Scand J Urol Nephrol 4:1-5, 1970
Urinary ascites in the neonate. Britt DB, et al. South Med J 64:399-402, Apr 71
[Obstructive conditions in the urethra in children] Haahr J. Ugeskr Laeger 133:644-8, 9 Apr 71 (Dan)
[Problems posed by the treatment of congenital valves of the posterior urethra in children] Cornil C, et al. Ann Chir Infant 12:215-20, May-Jun 71 (Fre)
[Urethra bifida] Bertin P. Ann Urol (Paris) 3:51-6, Feb 69 (Fre)
[Urethral diverticulum in a pregnant woman] Faure G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:463-4, Sep-Oct 69 (Fre)
[13 cases of the ureter with an ectopic junction in the female children] Bruezière J, et al. J Urol Nephrol (Paris) 77:114-25, Jan-Feb 71 (Fre)
[Ectopic ureteral anastomosis and urethro-vulvo-perineal abnormalities (a case in a young girl)] Rognon LM. J Urol Nephrol (Paris) 77:252-5, Mar 71 (Fre)
[Malformation uropathies in children. (175 observations)] Mazeman E. Lille Med 14:958-73, Nov 69 (Fre)
[Inborn abnormalities of the urethra] Sigel A, et al. Chirurg 42:68-73, Feb 71 (Ger)
[Recognition of congenital unilateral kidney agenesia in domestic animals. I. Agenesia of the right kidney including the urethra with compensatory hypertrophy of the left kidney in a 10 year-old brown Swiss cow] Höfliger H. Schweiz Arch Tierheilkd 113:221-6, May 71 (Ger)
[A rare urethral malformation: incomplete urethra bifida] Traversa FP, et al. Minerva Pediatr 21:2060-1, 3 Nov 69 (Ita)
[Congenital valves of the posterior urethra] Kozlowski K. Pediatr Pol 45:1525-8, Dec 70 (Pol)
[Urinary incontinence in girls caused by ectopia of the ureteral meatus] Rosenbaum S, et al. Pediatria (Bucur) 19:541-4, Nov-Dec 70 (Rum)
[Right upper supernumerary kidney pelvis opening into the urethra in a young girl] Adomnicăi G, et al. Rev Med Chir Soc Med Nat Iasi 75:469-72, Apr-Jun 71 (Rum)

ANATOMY & HISTOLOGY

The musculature of the bladder and the urethra. Dröes JT. Acta Morphol Neerl Scand 8:238, Feb 71
The problem of the internal vesical sphincter. Ulden BM van. Acta Morphol Neerl Scand 8:237-8, Feb 71
The relationship between the pubo-urethral ligaments and the urogenital diaphragm in the human female. Milley PS, et al. Anat Rec 170:281-3, Jul 71
The epithelial lining of the female trigone and urethra. Packham DA. Br J Urol 43:201-5, Apr 71
The histology of the primate urethra. Roberts JA, et al. Folia Primatol (Basel) 14:59-69, 1971
Transcutaneous measurement of the urethral lumen. Albright RJ, et al. Invest Urol 8:340-55, Nov 70
[A morphological study of the colliculus seminalis by urethrography and endoscopy] Wada I. Jap J Urol 62:368-88, May 71 (Jap)

CYTOLOGY

Urothelial micro-contour. II. Intracellular crypts and secretory substances. Lloyd-Davies RW, et al. J Urol 106:75-80, Jul 71
Urothelial micro-contour. I. Scanning electron microscopy of normal resting and stretched urethra and bladder. Lloyd-Davies RW, et al. J Urol 105:236-41, Feb 71
Urothelial micro-contour. I. Scanning electron microscopy of normal resting and stretched urethra and bladder. Lloyd-Davies RW, et al. Trans Am Assoc Genitourin Surg 62:73-8, 1970

DRUG EFFECTS

A nonmineralized concretion in the urogenital tract of the male rat. Bruss ML, et al. Invest Urol 8:254-60, Nov 70

IMMUNOLOGY

Immunoglobulins of normal human urine and urethral secretions. Burdon DW. Immunology 21:363-8, Aug 71

INJURIES

Trauma to the abdomen: management of bladder and urethral injuries. Mitchell JP. Ann R Coll Surg Engl 48:13, Jan 71
Lower urinary tract injuries. Moy HH. Br J Urol 42:739, Dec 70
Trauma to the urinary tract. Clarke SH. Br Med J 3:112-3, 10 Jul 71
Hip sepsis complicating pelvic fractures and urologic trauma. Nicholson JT, et al. Clin Orthop 76:21-6, May 71
Urethral trauma. Redman JF. J Arkansas Med Soc 68:80, Jul 71
The Inge bone spreader as an aid for operation at the posterior urethra and vesical neck. Labardini MM. J Urol 105:900-1, Jun 71
The severed canine posterior urethra: a study of two distinct methods of repair. McRoberts JW, et al. J Urol 104:724-9, Nov 70
Iatrogenic urethral injury due to preinflation of a Foley catheter. Seilett T. JAMA 217:1548-9, 13 Sep 71
Injuries of the penile and bulbous urethra. Herwig KR, et al. Milit Med 135:289-92, Apr 70
Management of urethral injuries in war casualties. Rohner TJ Jr, et al. Milit Med 135:748-51, Sep 70
Annotation. Plastic reconstruction of the urethra. Lipworth E. S Afr J Surg 8:19-24, 1970
Surgical Grand Rounds from the University of Mississippi Medical Center. Urethral injuries associated with pelvic fractures. South Med J 64:565-73, May 71
[Lesions of the submontanal urethra during transvesical prostatectomy and their sequelae] Aboulker P. Ann Urol (Paris) 4:223-8, Dec 70 (Fre)
[Transversal crushing of the pelvis, with rupture of the urethra, reduced and immobilized by external fixator] Schramm P, et al. Rev Chir Orthop 57:247-50, Apr-May 71 (Fre)
[Plastic surgery for the reconstruction of the urethra] Marberger H. Helv Chir Acta 37:506-9, Aug 70 (Ger)
[Initial therapy of covered bladder and urethral injuries] Prexl HJ. Monatsschr Unfallheilkd 73:362-72, Aug 70 (Ger)
[Bladder and urethral lesions in pelvic fractures] Sinner W, et al. Z Urol Nephrol 63:139-48, Feb 70 (Ger)
[Retrograde urethrography after surgery of traumatic urethral stenosis] Mazzola S, et al. Nunt Radiol Suppl 1:1684+, 1968 (Ita)
[Injuries of the urethra] Acconcia A. Omnia Med Ther 48:31-115, Jan-Jun 70 (Ita)
[Causes of urinary incontinence in women] Shakhov EV, et al. Akush Ginekol (Mosk) 45:68, Sep 69 (Rus)
[Primary restoration of the posterior urethra in the detachment of the neck of the urinary bladder] Khachatrian GS. Khirurgiia (Mosk) 22:139-40, Apr 69 (Rus)
[Modification of plastic surgery on the posterior urethra for its traumatic constriction] Mikhel'son AI, et al. Urol Nefrol (Mosk) 35:47-9, Sep-Oct 70 (Rus)
[Primary suture of the urethra after its fresh rupture] Raevskii MS. Urol Nefrol (Mosk) 35:54-6, Jul-Aug 70 (Rus)
[Treatment and recovery from sequelae of rupture of the posterior urethra] Tamayo Ochoa R. Cir Cir 37:37-50, Jan-Feb 69 (Spa)

INNERVATION

Short adrenergic neurons innervating the female urethra of the cat. Owman C, et al. Experientia 27:313-5, 15 Mar 71
A new theory of the innervation of bladder musculature. 3. Postganglionic synapses in uretero-vesico-urethral autonomic pathways. Elbadawi A, et al. J Urol 105:372-4, Mar 71
The evaluation of pudental nerve block by measurements of urethral pressure. Raz S, et al. Surg Gynecol Obstet 133:453-7, Sep 71

MICROBIOLOGY

Infection of newborn infants with Streptococcus agalactiae (Lancefield group B) in relation to its occurrence in the vaginal flora of term pregnant women. Bergqvist G, et al. Acta Paediatr Scand [Suppl] 206:Suppl 206:107+, 1970
T-mycoplasmas in the genito-urinary tract of the female. Mårdh PA, et al. Acta Pathol Microbiol Scand [B] 78:269, 1970
T-mycoplasmas in the genito-urinary tract of the female. Mårdh PA, et al. Acta Pathol Microbiol Scand [B] 78:267-74, 1970
Recurrent urinary infections in adult women. The role of introital enterobacteria. Stamey TA, et al. Calif Med 115:1-19, Jul 71
Voiding and intrinsic defenses of the lower urinary tract in the female dog. II. Effect of immunosuppressive drugs on canine urethral and vesical flora. Masih BK, et al. Invest Urol 8:494-8, Mar 71
Isolation and identification of Mycoplasma from clinical material in Israel. Solomon F, et al. Isr J Med Sci 6:805-10, Sep-Oct 70
Introital enterobacteria, urinary infection, and the urethral syndrome. O'Grady FW, et al. Lancet 2:1208-10, 12 Dec 70

PATHOLOGY

Urothelial micro-contour. 3. Mucosal alteration by infection. Lloyd-Davies RW, et al. J Urol 106:81-3, Jul 71
[Surgical myotomy of the striated sphincter of the urethra. A new sub-pubic approach. Study of the pathology of the striated sphincter in paraplegics] Cukier J, et al. J Urol Nephrol (Paris) 77:27-50, Jan-Feb 71 (Fre)
[Fluorescent microscopic study of the epithelial coat of urethral mucosa] Korik GG. Arkh Anat Gistol Embriol 58:84-7, Nov 70 (Rus)

PHYSIOLOGY

Prostatic urethral resistance before and after open prostatectomy. Roy RR. Br J Surg 58:306, Apr 71
The fluid dynamics of micturition. Gessner FB. Invest Urol 8:324-30, Nov 70
The shape and cross-sectional area of the distal urethra critically affects urinary flow. Gleason DM, et al. Invest Urol 8:585-95, May 71
Urethral coitus--maximum urethral dilatation. Borski AA, et al. J Urol 105:400-2, Mar 71
Micturition studies in infants and children. Intravesical pressure, urinary flow and urethral resistance in boys without infravesical obstruction. Gierup J. Scand J Urol Nephrol 4:217-30, 1970
[Function of the occlusive system of the bladder during gestation. I. Intraurethral and intravesical pressure during pregnancy] Moinár G, et al. Z Geburtshilfe Gynaekol 171:345-51, Dec 69 (Ger)
[Reflex reaction of the urethral sphincter to stimulation of the pudendal and pelvic nerves with single electric impluses] Kuz'menko VA. Biull Eksp Biol Med 68:25-8, Oct 69 (Rus)
[A change in urethral sphincter activity following stimulation of the mechanoreceptors of the urinary bladder] Kuz'menko VA. Biull Eksp Biol Med 67:21-4, Jun 69 (Rus)
[Sphincterometry in urinary incontinence] Gallo D. Ginecol Obstet Mex 26:733-5, Dec 69 (Spa)

PHYSIOPATHOLOGY

A simplified system for urodynamic observations. Edwards L, et al. Br J Urol 43:228-32, Apr 71
Urinary manometry in spinal cord injury patients--preliminary report. Rossier AB, et al. Br J Urol 42:468-74, Aug 70
The electrical activity of the paraurethral and perineal muscles in normal and pathological conditions. Vereecken RL, et al. Br J Urol 42:457-63, Aug 70
Pressure and flow rate as related to lumen caliber and entrance configuration. Tanagho EA, et al. J Urol 105:583-5, Apr 71
[Direct urethrocystometry in the study of bladder function] Jubiz A, et al. Rev Colomb Obstet Ginecol 21:266-70, May-Jun 70 (Spa)

RADIOGRAPHY

The normal urethrogram. Shopfner CE. Am Fam Physician GP 2:86-97, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bladder neck stenosis--the value of descending cysto-urethrography in the demonstration of this complication of inflammatory urethral stricture. Bateson EM. Br J Radiol 43:713-8, Oct 70
Foley catheter urethrography in stress incontinence. Frewen WK.
J Obstet Gynaecol Br Commonw 78:660-3, Jul 71
Pyelo-cystourethrography: methodology. Shopfner CE.
Pediatrics 46:553-65, Oct 70
The use of a balloon catheter in retrograde urethrography. Apap A. Radiography 37:123-4, May 71
[Genital prolapse and urinary incontinence. Value of pre- and postoperative urethrocystography. Trial of therapeutic indications. Apropos of 78 cases] Pontonnier A, et al.
J Urol Nephrol (Paris) 77:161-84, Mar 71 (Fre)
[Nephrobarynosis after urethrocystography of micturition in children] Stenström R, et al.
J Urol Nephrol (Paris) 77:51-6, Jan-Feb 71 (Fre)
[Urethrocystography] Bandtlow KH.
Helv Chir Acta 37:443-7, Aug 70 (Ger)
[Retrograde urethrography in the male] Stähli G.
Helv Chir Acta 37:448-50, Aug 70 (Ger)
[Evaluation of miction-cysto-urethrograms in children] Ebel K, et al. Radiologe 11:85-6, Feb 71 (Ger)
[Significance and limitation of the mictition cystourethrogram in urethra evaluation during childhood] Weingärtner L, et al.
Z Urol Nephrol 62:329-36, Nov 69 (Ger)
[Radiographic considerations on retrograde urethrography in the study of the residual prostatic loge in patients prostatectomized for fibroadenoma] Pastremoli A.
Ann Radiol Diagn (Bologna) 42:522-38, Sep 69 (Ita)
[Cysto-urethro-vaginography in cases of pseudohermaphroditism] Marciński A.
Pol Przegl Radiol 34:715-26, 1970 (Pol)
[Use of cavumbren in uretrography] Shakhbazov RA.
Vestn Rentgenol Radiol 45:59-62, Jan-Feb 70 (Rus)
[Radiocinematic urethro-cystography of interrupted micturition in children] Sauvegrain J, et al.
Ann Radiol (Paris) 12:251-7, 1969 (Mul)

SURGERY

Reconstructive surgery of the anterior urethra. Meulen JC van der. Br J Plast Surg 23:291-8, Jul 70
Ileo-urethroplasty. Jain AC. Br J Urol 42:492-5, Aug 70
Normal ejaculation after Y-V urethrocystoplasty. Koraitum M, et al. Br J Urol 42:464-5, Aug 70
Hook needle and retractor for posterior urethroplasty. Mitchell JP. Br J Urol 42:599-600, Oct 70
Prostatectomy. Comparisons between plain cryosurgery, transurethral resection, combined transurethral resection and cryosurgery, and open surgery. Rouvalis P. Int Surg 54:4-10, Jul 70
Alloplastic replacement of the partially resected urethra on dogs. Kelámi A, et al.
Invest Urol 9:55-8, Jul 71
Urethral length in urinary stress incontinence. Mitrani A, et al.
J Obstet Gynaecol Br Commonw 78:664-6, Jul 71
Urinary diversion by anterior transposition of the urethra. Dorsey JW. J Urol 105:725-8, May 71
Urethral dilatation versus internal urethrotomy. Tanagho EA, et al. J Urol 105:242-4, Feb 71
Results of vaginal flap urethroplasty in hermaphrodites. Thompson IM.
J Urol 105:456-60, Mar 71
Anterior urethral transposition: a modification of technique. Tyrone NO, et al. J Urol 105:729-32, May 71
Internal urethrotomy and recurrent urinary tract infection in female children. II. Long-term results in the management of infection. Vermillion CD, et al.
J Urol 106:154-7, Jul 71
Urethrovesical suspension for female urinary incontinence: refinements of INCO needle. Tauber R.
Obstet Gynecol 36:795-9, Nov 70
Membranous urethroplasty. Talbot HS.
Proc Annu Clin Spinal Cord Inj Conf 16:162-3, 1967
Urinary diversion. Lapides J. Surgery 69:142-54, Jan 71
Urinary tract infections and difficult urination in girls: long-term followup. Lyon RP, et al.
Trans Am Assoc Genitourin Surg 62:69-72, 1970
Results of vaginal flap urethroplasty in hermaphrodites. Thompson IM.
Trans Am Assoc Genitourin Surg 62:140-6, 1970
[Problems posed by the treatment of congenital valves of the posterior urethra in children] Cornil C, et al.
Ann Chir Infant 12:215-20, May-Jun 71 (Fre)
[Surgical treatment of urinary stress incontinence in women] Alessandrescu D.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:498-501, 1968 (Fre)
[Surgical myotomy of the striated sphincter of the urethra. A new sub-pubic approach. Study of the pathology of the striated sphincter in paraplegics] Cukier J, et al.
J Urol Nephrol (Paris) 77:27-50, Jan-Feb 71 (Fre)
[Treatment of urine retention in women with neck surgery and urethra shortening] Rometti A.
J Urol Nephrol (Paris) 77:286-7, Mar 71 (Fre)
[Plastic surgery of the urethra (urethral strictures and their treatment)] Zingg EJ.
Ther Umsch 27:293-7, May 70 (Ger)
[Gil Vernet's urethroplasty] Ogawa A.
Shujutsu 25:31-4, Jan 71 (Jap)
[Primary restoration of the posterior urethra in the detachment of the neck of the urinary bladder] Khachatrian GS.
Khirurgiia (Mosk) 22:139-40, Apr 69 (Rus)
[Perineal anesthesia of the sphincter of the urethra] Guzman JM, et al.
Rev Argent Urol Nefrol 39:28-37, Jan-Jun 70 (Spa)

URETHRAL CATHETERIZATION see under

URINARY CATHETERIZATION (E1)

URETHRAL DISEASES (C6)

Diverticula of the female urethra: assay of 120 cases. Davis BL, et al. J Urol 104:850-3, Dec 70
Diverticulum of the female urethra. Pathak UN, et al.
Obstet Gynecol 36:789-94, Nov 70
Case report. Stones in the diverticulum of the female urethra. Pathak UN.
West Indian Med J 19:180-3, Sep 70
Prolapsed urethral mucosa. Wynter HH.
West Indian Med J 18:105-11, Jun 69
Case report. Stones in the diverticulum of the female urethra. Pathak UN.
Wien Med Wochenschr 120:180-3, 2 May 70
[A case of sigmoido-urethral fistula] Schulman CC.
Acta Urol Belg 37:426-30, 1969 (Fre)
[Thrombosis of urethral hemorrhoids during pregnancy] Reiciner S, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:493-5, Nov-Dec 68 (Fre)
[Polyp of the posterior urethra in children, unusual cause of obstruction of the lower urinary apparatus] Béraud C, et al.
J Radiol Electrol Med Nucl 50:297-9, May 69 (Fre)
[Bladder calculosis in childhood] Siciliano C, et al.
Arcisp S Anna Ferrara 22:663-86, 1969 (Ita)
[Case of argyria of the urethra] Fain AE.
Vestn Dermatol Venerol 44:75-6, Nov 70 (Rus)

COMPLICATIONS

Vulvur tumor in children due to prolapse of urethral mucosa. Capraro VJ, et al.
Am J Obstet Gynecol 108:572-5, 15 Oct 70
Giant calculus in a diverticulum of the male anterior urethra. Bekhrad A, et al.
J Iowa Med Soc 60:699-707 passim, Oct 70
Vaginal-urethrovesical reflex: its role and treatment in recurrent cystitis. Tein AB, et al.
J Urol 105:384-7, Mar 71

CONGENITAL

The management of congenital urethral obstruction in infancy. Johnston JH.
Ann R Coll Surg Engl 48:24, Jan 71
Case report of a congenital urethro-vaso-cutaneous fistula. Hawtrey CE. J Urol 104:555-6, Oct 70
[Congenital valves in the urethra] Hanche-Olsen A.
Tidsskr Nor Laegeforen 91:498-502, 10 Mar 71 (Nor)

DIAGNOSIS

Urethral prolapse in girls. Jones HE, et al.
Arch Dis Child 46:107-8, Feb 71
On the measurement of local urethral resistance. I. Analytical considerations. Gessner FB, et al.
Invest Urol 8:331-9, Nov 70
[Urethro-cystoscopy] Alken CE, et al.
Urologe 10:131-4, May 71 (Ger)
[Diagnosis and treatment of obstructive uropathies of the lower urinary tract in childhood] Derzhavin VM, et al. Khirurgiia (Mosk) 46:92-6, Jul 70 (Rus)

DRUG THERAPY

The successful treatment of intraurethral condyloma acuminata with colchicine. Gigax JH, et al.
J Urol 105:809-11, Jun 71

ETIOLOGY

Bladder and urethral injuries following prolonged labor. Linke CA, et al. J Urol 105:679-82, May 71
Etiology of urethral syndrome: preliminary report. Evans AT.
Trans Am Assoc Genitourin Surg 62:79-87, 1970
[Incrustating cystitis and calculus formation after kidney transplantation] Iarmolinskiĭ IS, et al.
Urol Nefrol (Mosk) 35:68-70, Jul-Aug 70 (Rus)
[Urethral fistulas in patients with spinal cord injuries] Bernstein-Hahn L, et al.
Rev Argent Urol Nefrol 39:44-50, Jan-Jun 70 (Spa)

PATHOLOGY

Tuberculous urethral fistula. Chambers RM.
Br J Urol 43:243-8, Apr 71

RADIOGRAPHY

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA.
Am J Roentgenol Radium Ther Nucl Med 112:803-6, Jul 71
Urethral prolapse in girls. Radiographic findings. Potter BM. Radiology 98:287-9, Feb 71
[Hypotonia of the urinary bladder neck and of the urethra] Tůma S, et al.
Cesk Radiol 25:165-8, Jul 71 (Cze)
[Urethrocystography] Bandtlow KH.
Helv Chir Acta 37:443-7, Aug 70 (Ger)
[Miction cysto-urethrography in the potentiated urography phase] Castellano E, et al.
Minerva Radiol 14:544-8, Dec 69 (Ita)
[Balanoposthitis of bifid urethra] Linguiti L.
Nunt Radiol 34:1839-45, Dec 68 (Ita)
[Significance of roentgenocinematography in the diagnosis of obstructive processes in the lower urinary tract in children] Golubeva KA, et al.
Vestn Rentgenol Radiol 45:71-6, Jul-Aug 70 (Rus)

SURGERY

The management of urethral diverticulum in the female. Peters JS. Br J Urol 42:745, Dec 70
One stage management of periurethral abscess complicating urethral stricture. Mehan DJ, et al.
South Med J 63:1179-82, Oct 70
[Surgical closure of an urethral defect with a double skin flap] Bertényi C, et al.
Z Urol Nephrol 62:333-5, 1969 (Ger)
[Vesico- and urethrovaginal fistulas after obstetric-gynecologic operations and radiation] Meridies R, et al.
Z Urol Nephrol 63:405-10, Jun 70 (Ger)
[Primary suture of the urethra after its fresh rupture] Raevskii MS.
Urol Nefrol (Mosk) 35:54-6, Jul-Aug 70 (Rus)

THERAPY

[Diagnosis and treatment of obstructive uropathies of the lower urinary tract in childhood] Derzhavin VM, et al. Khirurgiia (Mosk) 46:92-6, Jul 70 (Rus)

VETERINARY

A description and evaluation of antepubic urethrostomy in the male cat. Mendham JH.
J Small Anim Pract 11:709-21, Nov 70
Observations on urethral obstruction in male cats. Turner T. J Small Anim Pract 12:85-9, Feb 71
Apparent spontaneous rupture of the urethra following use of the Burdizzo. Maddox JG.
Vet Rec 88:405, 10 Apr 71

URETHRAL NEOPLASMS (C2)

Carcinoma of the cervix and of a urethral caruncle. Rathmell TK, et al. J Med Soc NJ 65:550-2, Oct 68
[Malignant tumors of the male urethra] Merighi L, et al.
Cancro 21:329-42, 1968 (Ita)
[An unusual case of double primary tumor of the female urethra] Innamorati G, et al.
Quad Clin Ostet Ginecol 24:273-83, Apr 69 (Ita)

COMPLICATIONS

[An unusual cause of urethral obstruction in a young boy: urethral pediculated polyp] Viville C, et al.
Acta Urol Belg 38:443-53, 1970 (Fre)

CONGENITAL

[Congenital fibromatosis with primary periurethral expression] Cellesi C, et al.
Arch De Vecchi Anat Patol 54:787-93, Apr 69 (Ita)

DIAGNOSIS

Detection of urethral carcinoma using a soluble swab. Trott PA. Br J Surg 58:66-8, Jan 71
[Tumors of the urethral meatus discovered fortuitously] Colette C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:235-6, Apr-May 70 (Fre)
[Diagnosis of primary urethral carcinoma in the male] Mukherjee KK, et al.
Z Urol Nephrol 62:217-20, 1969 (Ger)
[Clinical picture and surgery of cancer of the urethral canal in women] Aivazian AV.
Akush Ginekol (Mosk) 46:68-71, Mar 70 (Rus)

ETIOLOGY

Development of carcinoma urethrae after operation for stricture of the urethra. Case report. Ogreid P.
Scand J Urol Nephrol 4:176-8, 1970

PATHOLOGY

New pathologic aspects of primary carcinoma of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

prostatic urethra. Milstoc M.
J Am Geriatr Soc 19:80-5, Jan 71
Malignant melanoma of the female urethra: report of a case with 5-year survival and review of the literature. Block NL, et al. J Urol 105:251-5, Feb 71
Primary carcinoma in diverticulum of female urethra. Sharma TC, et al. NY State J Med 71:2202-3, 15 Sep 71

RADIOGRAPHY

[A case of primary cancer of the urethra] Wolff R, et al. J Radiol Electrol Med Nucl 52:219, Mar-Apr 71 (Fre)

SURGERY

[Clinical picture and surgery of cancer of the urethral canal in women] Afvazian AV. Akush Ginekol (Mosk) 46:68-71, Mar 70 (Rus)

THERAPY

Cancer of the female urethra. A curable disease. Zeigerman JH, et al. Obstet Gynecol 36:785-9, Nov 70

URETHRAL STRICTURE (C6)

[Unusual cause of acute urinary retention in a subject with a vesical balloon catheter. Prevention and therapy] Siani C, et al. Minerva Anestesiol 36:353-4, Jun 70 (Ita)

COMPLICATIONS

Bladder neck stenosis--the value of descending cysto-urethrography in the demonstration of this complication of inflammatory urethral stricture. Bateson EM. Br J Radiol 43:713-8, Oct 70
One stage management of periurethral abscess complicating urethral stricture. Mehan DJ, et al. South Med J 63:1179-82, Oct 70
[Hydronephrosis due to narrowing of the pyelo-ureteral transition area] Klaassen CH, et al. Ned Tijdschr Geneeskd 115:955-8, May 71 (Dut)
[Incidence of bladder neck sclerosis in urethral stricture] Hams JP, et al. Acta Urol Belg 38:425-32, 1970 (Fre)
[Radio-clinical study of late consequences of urethral stricture] Hans JP. Ann Urol (Paris) 4:255-63, Dec 70 (Fre)
[Organic causes of enuresis] Mildenberger H. Med Welt 7:255-8, 13 Feb 71 (Ger)

CONGENITAL

[Congenital urethral valves. Case report] Tateo R, et al. Arch Ital Urol Nefrol 43:163-76, 1970 (Ita)

DIAGNOSIS

[Obstructive conditions in the urethra in children] Haahr J. Ugeskr Laeger 133:644-8, 9 Apr 71 (Dan)
[Diagnostic examination of low female urinary obstruction] Rodríguez Díaz LH. Rev Venez Urol 22:71-8, Jan-Jun 70 (Spa)
[Stenosis of the distal urethra in girls] Zvara V, et al. Bratisl Lek Listy 55:476-9, 1971 (Slo)

DRUG THERAPY

The treatment of urethral stricture: transurethral injection of triamcinolone: a preliminary report. Hebert PW. J Urol 105:403-6, Mar 71

ETIOLOGY

Etiology of urethral syndrome: preliminary report. Evans AT. J Urol 105:245-50, Feb 71
Atresia of the bulbous urethra. Malament M, et al. Proc Annu Clin Spinal Cord Inj Conf 16:163-72, 1967
[An unusual cause of urethral obstruction in a young boy: urethral pediculated polyp] Viville C, et al. Acta Urol Belg 38:443-53, 1970 (Fre)
[Meatus stenosis following transurethral prostatectomy] Mellin P. Dtsch Med Wochenschr 96:855, 9 Apr 71 (Ger)
[Urethral stricture as a complication of transurethral resection] Madersbacher H, et al. Urologe 10:66-7, Mar 71 (Ger)
[Pathology of the bulbar urethra] Vernet SG. Z Urol Nephrol 63:541-2, Jul 70 (Ger)
[Treatment and recovery from sequelae of rupture of the posterior urethra] Tamayo Ochoa R. Cir Cir 37:37-50, Jan-Feb 69 (Spa)

PHYSIOPATHOLOGY

Spastic striated external sphincter and urinary tract infection in girls. Tanagho EA, et al. Br J Urol 43:69-82, Feb 71
Pressure and flow rate as related to lumen caliber and entrance configuration. Tanagho EA, et al. J Urol 105:583-5, Apr 71

PREVENTION & CONTROL

The severed canine posterior urethra: a study of two distinct methods of repair. McRoberts JW, et al. J Urol 104:724-9, Nov 70

RADIOGRAPHY

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA. Am J Roentgenol Radium Ther Nucl Med 112:803-6, Jul 71
[Emphysematous cystitis in the enlarged bladder] Galli L, et al. Arch Ital Urol Nefrol 42:361-74, 1969 (Ita)
[Retrograde urethrography after surgery of traumatic urethral stenosis] Mazzola S, et al. Nucl Radiol Suppl 1:168+, 1968 (Ita)
[Roentgenodiagnosis of congenital obstructive uropathy of the lower urinary tract in children] Kazimirov VG, et al. Vestn Rentgenol Radiol 45:84-8, Sep-Oct 70 (Rus)

SURGERY

Reconstructive surgery of the anterior urethra. Meulen JC van der. Br J Plast Surg 23:291-8, Jul 70
The results and complications of scrotal-flap urethroplasty for stricture. Blandy JP, et al. Br J Urol 43:53-7, Feb 71
The prepuce used for the repair of a stricture of the bulbous and membranous urethra. Bonnin NJ. Br J Urol 42:739-40, Dec 70
Ileo-urethroplasty. Jain AC. Br J Urol 42:492-5, Aug 70
Evaluation of the scrotal inlay procedure (Turner-Warwick) for strictures of the deep urethra. Brendler H, et al. J Urol 105:256-61, Feb 71
Treatment of urethral strictures in men by internal urethrotomy. A study of 61 patients. Katz AS, et al. J Urol 105:807-8, Jun 71
Treatment of urethral stricture in male children. Devereux MH. Proc R Soc Med 64:131-2, Feb 71
Annotation. Plastic reconstruction of the urethra. Lipworth E. S Afr J Surg 8:19-24, 1970
Resection of urethral stricture and end-to-end anastomosis. Jessen C. Scand J Urol Nephrol 4:87-91, 1970
Development of carcinoma urethrae after operation for stricture of the urethra. Case report. Ogreid P. Scand J Urol Nephrol 4:176-8, 1970
Evaluation of the scrotal inlay procedure (Turner-Warwick) for strictures of the deep urethra. Brendler H, et al. Trans Am Assoc Genitourin Surg 62:88-99, 1970
[Retropubic prostatectomy. A follow-up study with special attention to infective urinary conditions by the use of a closed drainage system] Schroeder E, et al. Ugeskr Laeger 132:2016-21, 22 Oct 70 (Dan)
[Anterior supra-urethral approach to the membranous urethra. Its use for the cure of traumatic stricture. 6 cases] Monseur J. Ann Urol (Paris) 5:117-34, May 71 (Fre)
[Michalowski's urethroplasty in the treatment of the stricture of the urethra in the male] Mensah A, et al. Bull Soc Med Afr Noire Lang Fr 15:119-25, 1970 (Fre)
[Extensive indications of meatotomy based on the Yunen-Fetter technic] Guillemin P, et al. J Urol Nephrol (Paris) 76:964-6, Oct-Nov 70 (Fre)
[Treatment of urethral stenosis by a modified Duplay operation] Ducassou J, et al. Rein Vole 13:97-109, 1970 (Fre)
[Plastic surgery of the urethra] Frick J. Helv Chir Acta 37:510-4, Aug 70 (Ger)
[The surgical treatment of urethral stricture according to the Turner-Warwick technic] Graber P. Helv Chir Acta 37:515-7, Aug 70 (Ger)
[Plastic surgery for the reconstruction of the urethra] Marberger H. Helv Chir Acta 37:506-9, Aug 70 (Ger)
[Plastic surgery of the urethra (urethral strictures and their treatment)] Zingg EJ. Ther Umsch 27:293-7, May 70 (Ger)
[Surgical treatment of aquired urethral strictures] Michalowski E. Urologe 10:101-6, May 71 (Ger)
[Special instruments for urological cryosurgery] Rouvalis P. Z Urol Nephrol 64:227-30, Mar 71 (Ger)
[Surgical treatment of tuberculous urethral strictures] Schmiedt E. Z Urol Nephrol 62:705-9, 1969 (Ger)
[Modification of plastic surgery on the posterior urethra for its traumatic constriction] Mikhel'son AI, et al. Urol Nefrol (Mosk) 35:47-9, Sep-Oct 70 (Rus)
[Surgery of the urinary tract in the treatment of distal urethral stricture in girls] Paz Alvarez R, et al. Rev Venez Urol 22:59-70, Jan-Jun 70 (Spa)
[Present technic after 20 years' use of the urethrotomia-internal-method in stricture treatment] Helmstein K. Nord Med 86:881, 22 Jul 71 (Swe)

THERAPY

Urethral dilatation versus internal urethrotomy. Tanagho EA, et al. J Urol 105:242-4, Feb 71
[Bougienage of urethral stricture with local use of steroids] Voelkel H. Z Urol Nephrol 63:149-53, Feb 70 (Ger)

VETERINARY

Virus induced urolithiasis in male cats. Rich LJ, et al. Corneli Vet 61:542-53, Jul 71

URETHRITIS (C6)

Gonorrheal urethritis. Fernandes M. Med Treat 7:1002-10, Sep 70 (25 ref.)
Monilial urethritis. Fernandes M. Med Treat 7:1011-4, Sep 70 (14 ref.)
Nonspecific urethritis. Ward JN. Med Treat 7:1017-9, Sep 70 (2 ref.)
Urethritis in male children. Williams DI, et al. Proc R Soc Med 64:133-4, Feb 71
[Unspecific urethritis--forms, therapeutic possibilities and report of own clinical cases] Kreil L, et al. Dtsch Gesundheitsw 25:1702-8, 3 Sep 70 (Ger)
[Diagnosis and therapy of male urethritis] Meyer-Rohn J. Z Haut Geschlechtskr 46:153-8, 1 Mar 71 (Ger)

COMPLICATIONS

Atresia of the bulbous urethra. Malament M, et al. Proc Annu Clin Spinal Cord Inj Conf 16:163-72, 1967

DRUG THERAPY

Oral ampicillin in uncomplicated gonorrhoea. I. Treatment of gonococcal urethritis in men. Eriksson G. Acta Derm Venereol (Stockh) 50:451-60, 1970
Acute gonococcal urethritis: failure of response to phosphonomycin therapy. Southern PM Jr, et al. Antimicrob Agents Chemother 9:343-5, 1969
Studies in non-gonococcal urethritis therapy. The long-term value of tetracycline. Fowler W. Br J Vener Dis 46:464-8, Dec 70
Efficacy of prolonged regimes of oxytetracycline in the treatment of nongonococcal urethritis. John J. Br J Vener Dis 47:266-8, Aug 71
Doxycycline treatment of nongonococcal urethritis with special reference to T-strain mycoplasmas. Lassus A, et al. Br J Vener Dis 47:126-30, Apr 71
A 'single dose' treatment of gonococcal urethritis with rifampicin. Ongom VL. Br J Vener Dis 47:188-9, Jun 71
Treatment of acute gonococcal urethritis with three drug regimes in 768 males, Brisbane, Queensland, 1967-69. Smithurst BA. Br J Vener Dis 46:398-400, Oct 70
Management of nonspecific urethritis. Br Med J 3:62, 10 Jul 71
Cephalexin monohydrate in the treatment of urinary tract infections and urethritis. Rocha H, et al. Prensa Med Mex 56-60, Sep-Oct 70
[Experiences with rimactan therapy of male gonorrhoeic urethritis] Kaufmann J. Dermatologica 141:72-5, 1970 (Ger)
[Gentamicin in therapy of venereal diseases] Pelfini C, et al. G Ital Chemioter 16:341-4, Jan-Sep 69 (Ita)
[Results of treatment with trimethoprim-sulfamethoxazole in dermovenereology] Randazzo SD. G Ital Dermatol 46:269-72, Jun 71 (Ita)
[New prospects in therapy of biennorrhagic urethritis] Santini R, et al. G Ital Dermatol 45:590-4, Oct 70 (Ita)
[Therapeutic effect of rifampicin on gonococcal urethritis] Emoto K, et al. Jap J Antibiot 23:464-7, Dec 70 (Jap)
[Oral administration of a single dosage of ampicillin K in the treatment of gonorrhea] Barros JM de, et al. Rev Saude Publica 4:31-4, Jun 70 (Por)
[Oxacillin of therapy non-gonorrheal inflammatory diseases of the urogenital organs] Lopatin AI. Antibiotiki 15:1128-30, Dec 70 (Rus)
[Oletetrin treatment of nongonorrheal urethritis in men] Lopatin AI. Urol Nefrol (Mosk) 35:70-1, Jul-Aug 70 (Rus)
[Pyrogenal in the therapy of nongonococcal urethritis and its complications] Kukushkin AM. Vestn Dermatol Venerol 44:80-3, Mar 70 (Rus)
[Treatment of candidal vulvovaginitis and urethritis with 1 per cent alcohol-water solution of levorin] Shkliar II, et al. Vestn Dermatol Venerol 45:81-4, Feb 71 (Rus)
[Local treatment of female urethritis] Nilsson S. Lakartidningen 68:581-4, 3 Feb 71 (Swe)

ETIOLOGY

The pathogenesis of the urethral syndrome. Murnaghan GF, et al. Br J Urol 42:736-7, Dec 70
A note on congenital abnormalities of the penis. Incidence and relationship to urethritis. Morrison AI. Br J Vener Dis 47:182-3, Jun 71
Genital herpes infection and non-specific urethritis. Jeansson S, et al. Br Med J 3:247, 24 Jul 71
[Oletetrin treatment of nongonorrheal urethritis in men] Lopatin AI. Urol Nefrol (Mosk) 35:70-1, Jul-Aug 70 (Rus)
[Inflammation of Cowper's glands as a complication of trichomonas urethritis] Lopatin AI. Vestn Dermatol Venerol 43:79-82, Aug 69 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

MICROBIOLOGY

Demonstration of neisseria gonorrhoeae in prostatic fluid after treatment of uncomplicated gonorrhoeal urethritis. Danielsson D, et al.
Acta Derm Venereol (Stockh) 51:73-6, 1971
Isolation of human genital TRIC agents in nongonococcal urethritis and Reiter's disease by an irradiated cell culture method. Ford DK, et al.
Br J Vener Dis 47:196-7, Jun 71
T-strains of mycoplasma and nongonococcal urethritis. Haas H, et al. Br J Vener Dis 47:131-4, Apr 71
Studies on T-strain mycoplasmas in nongonococcal urethritis. Jansson E, et al.
Br J Vener Dis 47:122-5, Apr 71
Study of Chlamydiae in patients with lymphogranuloma venereum and urethritis attending a veneral diseases clinic. Philip RN, et al. Br J Vener Dis 47:114-21, Apr 71
Prostatic reservoir of gonococci. Molin L, et al.
Br Med J 3:767, 26 Sep 70
Study of mycoplasma in university students with non-gonococcal urethritis. Sueltmann S, et al.
Health Lab Sci 8:62-6, Apr 71
[Oxacillin of therapy non-gonorrheal inflammatory diseases of the urogenital organs] Lopatin AI.
Antibiotiki 15:1128-30, Dec 70 (Rus)
[Diseases caused by hemophilic Bacillus vaginalis] Karpovskaia OG.
Vestn Dermatol Venerol 44:51-4, Jul 70 (Rus)
[Electron microscopic study of gonococci in the urethral secretion of patients with gonorrhea] Ovchinnikov NM, et al.
Vestn Dermatol Venerol 44:40-6, Jul 70 (Rus)

OCCURRENCE

[Gonorrheal and non-gonorrheal urethritis] Krunić R, et al. Srp Arh Celok Lek 98:919-24, Jun 70 (Ser)

PATHOLOGY

[Fluorescent microscopic study of the epithelial coat of urethral mucosa] Korik GG.
Arkh Anat Gistol Embriol 58:84-7, Nov 70 (Rus)

PHYSIOPATHOLOGY

Functional abnormalities of the bladder in children: characteristics of chronic cystitis and chronic urethritis. Campbell WA 3d. J Urol 104:928-9, Dec 70

URINE

Association of threads in the urine with non-gonococcal urethritis and prostatitis. Messent JJ.
Br J Vener Dis 46:469, Dec 70

URIC ACID (D2)

Sequential changes in human polymorphonuclear leukocytes after urate crystal phagocytosis. An electron microscopic study. Schumacher HR, et al.
Arthritis Rheum 14:513-26, Jul-Aug 71
Uric acid lithiasis: a report on 3 patients along with a study on the response to 'allopurinol' in one. Singh SM, et al. Indian J Med Res 59:419-26, Mar 71
Uric acid calculi associated with ileostomy for ulcerative colitis. Gigax JH, et al.
J Urol 105:777-9, Jun 71
Presence of ornithine in the urate-binding alpha-alpha2 globulin. Sletten K, et al.
Nature [New Biol] 231:118-9, 26 May 71
Development of urate crystals in tophus. II. Inagaki K, et al. Yokohama Med Bull 20:171-5, Dec 69
[Cystic disease of the kidney and uric acid lithiasis] Steg A. Rein Folk 13:53-94, 1970 (Fre)
[The uric acid stone and its differential diagnosis] Schöll H, et al.
Wien Med Wochenschr 120:96-8, 7 Feb 70 (Ger)

ANALYSIS

Uric acid in the uterine fluid of women fitted with Lippes loop and in deposits found on used devices. Dasgupta PR, et al.
Am J Obstet Gynecol 110:593-4, 15 Jun 71
Fluorescence assay for picomole quantities of uric acid: a new enzyme--coupled approach. Bioch PL, et al.
Anal Biochem 38:1-19, Nov 70
A new bacterial uricase for uric acid determination. Mahler JL. Anal Biochem 38:65-84, Nov 70
A direct colorimetric determination of uric acid in serum and urine with uricase-catalase system. Kageyama N. Clin Chim Acta 31:421-6, Feb 71
The total nitrogen, protein, amino acid and uric acid ntent of ageing Drosophila. Burcombe JV, et al.
Exp Gerontol 5:247-55, Sep 70
A comparative study of relative incidence of stone types between a transient military population and the indigenous population of the Hawaiian Islands. Wurster JC, et al. J Urol 104:581-5, Oct 70
[A new technic in clinical biology: uric acid determination] Simon J.
Brux Med 50:527-8, Aug 70 (Fre)
[Ultrastructural study of intraleukocyte urates in the gout crisis] Tachon G, et al.
Lyon Med 225:91-6, 24 Jan 71 (Fre)
[Biochemical research on avian infectious bronchitis. Behavior of cholesterol, urea and uric acid in the amnio-allantoid fluids of normal and infected embryonated eggs] Compagnucci M, et al.
Acta Med Vet (Napoli) 16:293-301, May-Aug 70 (Ita)
[Determination of creatinine, urea and uric acid in amniotic fluid] Pontrelli VC, et al.
Riv Anat Patol Oncol 33:739-53, 1968 (Ita)
[Treatment of uric lithiasis with citrates] Vargas F, et al. Rev Med Chil 98:143-6, Mar 70 (Spa)
[Synovial fluid in arthritis urica. Sodium urate crystals as a key to the diagnosis and pathogenesis] Hütti S, et al. Bratisl Lek Listy 55:593-607, May 71 (Slo)
[Nephrolithiasis in Middle Dalmatia (district Trogir)] Polić V. Lijec Vjesn 92:1015-20, 1970 (Cro)

ANTAGONISTS & INHIBITORS

[Uric acid inhibitors in the treatment of gout. Apropos of 126 cases] Serre H, et al.
Sem Hop Paris 46:3295-301, 8 Dec 70 (Fre)

BIOSYNTHESIS

[Inhibition of endogenous uric acid synthesis with allopurinol in gout and urate diathesis. Remarks on E. Holländer and P. Schwarczmann, Münch. Med. Wschr. 3 (1969) 32, 1623-1626] Zöllner N.
Munch Med Wochenschr 112:2263-4, 4 Dec 70 (Ger)
[Effect of colchicine and allopurinol on uricogenesis. I. Kinetics of their inhibitory action on hepatic xanthine dehydrogenase] Escarmís C, et al.
Rev Esp Fisiol 26:109-19, Jun 70 (Spa)
[Effect of colchicine and allopurinol on uricogenesis. II. Effect of administration to chicks and mice] Escarmís C, et al. Rev Esp Fisiol 26:121-9, Jun 70 (Spa)

BLOOD

Serum uric acid, cholesterol, and cortisol intercorrelations in normoactive subjects. Rubin RT, et al. Am Heart J 81:843-5, Jun 71
The causes of nonazotemic hyperuricemia. Van Peenen HJ. Am J Clin Pathol 55:698-700, Jun 71
The causes of nonazotemic hyperuricemia. Van Peenen HJ. Am J Clin Pathol 55:698-700, Jun 71
Comparisons of serum lipid and uric acid content in white and Negro men. Benedek TG, et al.
Am J Med Sci 260:331-40, Dec 70
Hyperuricaemia in northern Finland. An epidemiological study of serum uric acid in rural, urban and hospital populations. Isomäki H.
Ann Clin Res 1:Suppl 1:1-62, 1969
Clinical value of plasma creatine kinase and uric acid levels during first week of life. Wharton BA, et al.
Arch Dis Child 46:356-62, Jun 71
The pathogenesis of hyperuricemia and gout in sickle cell anemia. Ball GV, et al.
Arthritis Rheum 13:846-8, Nov-Dec 70
Hyperuricemia in American Samoans. Healey LA, et al.
Arthritis Rheum 14:283-5, Mar-Apr 71
Uricaemic pleurisy. Biagi RW, et al.
Br J Clin Pract 24:431-4, Oct 70
The epidemiology of hyperuricemia. Healy LA, et al.
Bull Rheum Dis 20:600-3, Apr 70
A simplified alkaline phosphotungstate assay for uric acid in serum. Carroll JJ, et al.
Clin Chem 17:158-60, Mar 71
The effect of allopurinol on the hyperuricemia of fasting. Drenick EJ, et al.
Clin Pharmacol Ther 12:68-72, Jan-Feb 71
The urate-binding alpha 1-2 globulin. Isolation and characterization of the protein from human plasma. Aakesson I, et al. Eur J Clin Invest 1:281-7, Jan 71
Genetic and constitutional influences on serum-uric-acid in a tropical rural population. Flatz F.
Humangenetik 11:83-90, 1971
Inter-relationship of serum uric acid and serum cholesterol in cases of coronary artery disease. Gupta BK, et al. J Assoc Physicians India 18:803-7, Oct 70
Role of kidney in producing hyperuricaemia in acute myocardial infarction. Puri AS, et al.
J Assoc Physicians India 19:239-44, Mar 71
Heredity, environment, serum lipoproteins and serum uric acid. A study in a community without familial eating pattern. Brunner D, et al.
J Chronic Dis 23:763-73, Mar 71
Observations on the distribution of serum uric acid levels in participants of the Tecumseh, Michigan, Community Health Studies. A comparison of results of one method used at two different times and of two methods used simultaneously. Dodge HJ, et al.
J Chronic Dis 23:161-72, Sep 70
Hyperuricemia and chronic renal disease. Gresham GE, et al. J Chronic Dis 23:755-62, Mar 71
A method for deriving normal ranges from laboratory specimens applied to uric acid in males. Cook MG, et al. J Clin Pathol 23:778-80, Dec 70
An unusual form of renal disease associated with gout and hypertension. Van Goor W, et al.
J Clin Pathol 24:354-9, May 71
Drug-induced hyperuricemia prevented by probenecid. Hutchison JC, et al. J Med (Basel) 2:45-59, 1971
Evaluation of an automated method for the estimation of uric acid concentrations in blood and urine. Wells MG. J Med Lab Technol 27:485-91, Oct 70
The importance of renal damage due to hyperuricaemia and its prevention by allopurinol. Drew CD.
J Med Liban 23:161-72, 1970
Executive hyperuricemia. Zimmerman WJ.
J Occup Med 13:35-7, Jan 71
Fructose-induced hyperuricaemia. Heuckenkamp PU, et al. Lancet 1:868-9, 17 Apr 71
Fructose-induced hyperuricaemia. Stirpe F, et al.
Lancet 2:1310-1, 19 Dec 70
Serum urate levels and gout in Australian males. Jeremy R, et al. Med J Aust 1:1116-8, 22 May 71
Studies of serum urate levels in New Guineans living in different environments. Jeremy R, et al.
Med J Aust 1:897-9, 24 Apr 71
Concentration and synthesis of phosphoribosylpyrophosphate in erythrocytes from normal, hyperuricemic, and gouty subjects. Meyskens FL, et al. Metabolism 20:731-42, Aug 71
Calculous disease in Vietnam: observations on labile hyperuricemia. Bourne CW.
Milit Med 135:112-5, Feb 70
Hyperuricemia, a concomitant of congenital vasopressin-resistant diabetes insipidus in the adult. Gordon P, et al. N Engl J Med 284:1057-60, 13 May 71
Hyperuricemia and levodopa. al-Hujaj M, et al.
N Engl J Med 285:859-60, 7 Oct 71
Diuretics and hyperuricemia. Weilerstein R.
N Engl J Med 283:1170, 19 Nov 70
Cystinuria, hyperuricemia and uric acid nephrolithiasis. Case report. Vergis JG, et al.
Nephron 7:577-9, 1970
Notes on joint diseases. XI. Interpretation of the serum uric acid. Healey LA. Northwest Med 70:342-4, May 71
Hyperuricaemia and renal failure preceding the onset of acute lymphoblastic leukaemia. Appleyard WJ.
Proc R Soc Med 64:728, Jul 71
Psychosocial correlates of serum urate levels. Mueller EF, et al. Psychol Bull 73:238-57, Apr 70
Hyperuricaemia and gout. Scott JT.
Rep Rheum Dis 43:1-2, Feb 71
Acute renal failure in association with hyperuricemia: its recovery with ethacrynic acid. Handa SP.
South Med J 64:676-8, Jun 71
Directional trends in serum uric acid and lipids in 865 Spanish-and Anglo-American men and women, age 20-79 years. Shields LM, et al.
Southwest Med 52:54-7, Mar 71
[Laboratory problems in gout] Lenoch F, et al.
Fysiatr Reumatol Vestn 45:218-23, Aug 67 (Cze)
[Participation of uric acid in thromboses of the eye] Balík J, et al. Sb Lek 73:171-4, Aug 71 (Cze)
[Technic of determination of serum allantoin and study of the action of uricase] Stahl A, et al.
Ann Biol Clin (Paris) 28:377-85, 1970 (Fre)
[Renal manifestations of hyperuricemia] Ryckewaert A, et al. Cah Med 12:803-8, 30 May 71 (Fre)
[Analysis of the hypo-uricemic action of benzbromarone in 40 cases of gouty and non-gouty hyperuricemia] Famaey JP, et al.
J Belge Rhumatol Med Phys 25:5-9, Jan-Feb 70 (Fre)
[The kidney and hyperuricemia] Lagrue G, et al.
Presse Med 79:845-7, 17 Apr 71 (Fre)
[Hyperuricemia due to diuretics in hypertensive patients. Curative treatment with benziodarone] Lagrue G, et al. Presse Med 79:849-52, 17 Apr 71 (Fre)
[Uricemia in chronic arteriopathy of the extremities. 3. Statistical data on a continuous series of 200 personal cases. 4. Research perspectives] Bourde C.
Rev Atheroscler (Paris) 11:4-34, 1969 (Fre)
[Blood uric acid in chronic arteriopathies of the limbs. 3. Statistics on a continuous series of 200 personal cases. IV. Prospects of research] Bourde C.
Rev Atheroscler (Paris) 11:Suppl 3:4-34, 1969 (Fre)
[Gout and hyperuricemia associated with lead poisoning] Lejeune E, et al.
Rev Rhum Mal Osteoartic 36:161-73, Apr 69 (Fre)
[Urate oxidase in the treatment of gout and hyperuricemia] Louyot P, et al.
Rev Rhum Mal Osteoartic 37:795-808, Dec 70 (Fre)
[The kidneys and hyperuricemia. Therapeutic problems] Lagrue G, et al.
Therapeutique 47:141-4, Feb 71 (Fre)
[Alterations of lipid metabolism in primary gout and hyperuricemia] Mertz DP, et al.
Dtsch Med Wochenschr 96:488-93, 19 Mar 71 (Ger)
[Incidence of hyperlipemia, hyperuricemia, diabetes mellitus, hypertension and overweight in arterial obliterating disease] Wollenweber J, et al.
Dtsch Med Wochenschr 96:163-7, 15 Jan 71 (Ger)
[Effect of benzbromarone on serum uric acid level and uric acid excretion of patients with gout] Zöllner N, et al. Dtsch Med Wochenschr 95:2605-12, 27 Nov 70 (Ger)
[Experiences with a new saluretic um in essential hypertension] Hammer O, et al.
Med Klin 64:1862-4, 10 Oct 69 (Ger)
[Acute kidney failure and hyperuricemia] Mertz DP.
Med Welt 17:703-6, 24 Apr 71 (Ger)
[Too much and too little uric acid]
Med Welt 31:48, 7 Aug 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Ocular findings in gout and hyperuricemia] Heinz K, et al. Wien Klin Wochenschr 83:42-4, 22 Jan 71 (Ger)
[Serum and urine uric acid content in hemoblastoses and gout as well as its modification by allopurinol] Helbig W, et al.
Z Gesamte Inn Med 26:233-7, 1 Apr 71 (Ger)
[Effects of azathioprine on fructose-induced hyperuricemia] Giordano G, et al.
Arch E Maragliano Patol Clin 25:489-94, Nov-Dec 69 (Ita)
[Interpretative points on the subject of fructose induced hyperuricemia] Giordano G, et al.
Arch E Maragliano Patol Clin 25:185-93, May-Jun 69 (Ita)
[Modification of uricemia, a biochemical paramater, in conditioning of the rat. I] Zoni G, et al.
Boll Chim Farm 110:46-52, Jan 71 (Ita)
[Role of carbohydrates in the diet of gout patients] Marugo M, et al.
Boll Soc Ital Biol Sper 46:514-7, 30 May 70 (Ita)
[Glucose and hyperuricemia caused by fructose] Marugo M, et al.
Boll Soc Ital Biol Sper 46:517-21, 30 May 70 (Ita)
[Glucose metabolism, lipid fractions and blood uric acid level following administration of sodium dextro-thyroxine] Caruso D, et al.
G Gerontol 18:868-75, Sep 70 (Ita)
[Benziodarone therapy in hyperuricemia in the aged] Ravera M, et al. G Gerontol 18:876-9, Sep 70 (Ita)
[Uric acid and kidney function in osteoarthrosis] Squadrito G, et al. G Gerontol 18:880-5, Sep 70 (Ita)
[Influence of normal and apurinic diet on serum uric acid values] Grisler R, et al.
Minerva Med 62:2793-6, 14 Jul 71 (Ita)
[Considerations on the changes of the coagulation and fibrinolytic picture and of uricemia during therapy with heparin in low doses. Relations with the change of the lipemic level] Lombardi V, et al.
Minerva Med 61:4889-92, 31 Oct 70 (Ita)
[On azotemia and glycemia values in 13,500 students at Rome University] Del Vecchio V, et al.
Nuovi Ann Ig Microbiol 19:Suppl:525-48, Dec 68 (Ita)
[Study of the behavior of uric acid in childhood] Gomirato Sandrucci M, et al.
Pediatria (Napoli) 78:825-57, 1970 (Ita)
[A new uricemia-lowering agent: benziodarone. Its use in therapy of urate retention in the course of chronic renal insufficiency] Bossini A, et al.
Policlinico [Prat] 76:961-72, 28 Jul 69 (Ita)
[Etiopathogenetic and clinical considerations on acute uricemic arthritis in early myocardial infarct patients] Anagnostopulos A, et al.
Reumatismo 21:42-5, Jan-Feb 69 (Ita)
[Glyco-lipid metabolism and immunoreactive insuline in gout] Gragnoli G, et al.
Reumatismo 21:304-7, Sep-Oct 69 (Ita)
[Pharmacological studies of diuretics. 3. Measurement of uric acid of the blood using the automatic liquid chromatography with the ultraviolet ray analyzer] Suzuki Y, et al.
Folia Pharmacol Jap 67:83-8, Jan 71 (Jap)
[Pharmacological studies of diuretics. 4. Changes of serum uric acid level by the successive administration of thiazide diuretics and other drugs and effects of uricosuric drugs] Suzuki Y, et al.
Folia Pharmacol Jap 67:89-99, Jan 71 (Jap)
[Uric acid--how to read its figures] Mikanagi K, et al.
Jap J Clin Med 29:Suppl:239-44, Jan 71 (Jap)
[Pathogenesis of hyperuricemia] Arima M, et al.
Naika 27:204-10, Feb 71 (Jap)
[The level of uric acid, coronary disease and serum lipids] Ciéwicka-Sznajderman M, et al.
Pol Arch Med Wewn 46:667-71, Jun 71 (Pol)
[Uric acid in the diagnosis of gout] Houli J.
Rev Bras Med 27:587-92, Dec 70 (Por)
[Contribution to the study of blood uric acid in normal individuals: correlation between blood cholesterol, triglycerides, total lipids, sugar and free fatty acids] Godoy M, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:15-22, Jan-Feb 71 (Por)
[A new blood deproteinizing agent used in determination of blood sugar with the Folin-Wu method] Tănăsescu G, et al.
Fiziol Norm Patol 17:255-60, 1971 (Rum)
[Uric acid level in the blood in children during the 1st days of life] Nikitina II.
Vopr Okhr Materin Det 15:82-3, Sep 70 (Rus)
[Non-protein nitrogen in the serum of patients with endemic nephropathy] Jović R, et al.
Med Pregl 23:251-2, 1970 (Ser)
[Relation between uric acid and urea in blood (index), its value in the early diagnosis of renal insufficiency and its use] Zaharija S, et al.
Srp Arh Celok Lek 98:229-46, Feb 70 (Ser)
[Oral therapy in "early chemical diabetes". I. Serial glucose, cholesterol and uric acid responses to phenformin] Roberts HJ.
Acta Diabetol Lat 6:728-58, Oct-Dec 69 (Mul)

METABOLISM

Renal urate transport in the chimpanzee. Fanelli GM Jr, et al. Am J Physiol 220:613-20, Mar 71
Uricosuric effect of radiocontrast agents. A study in man of four commonly used preparations. Postlethwaite AE, et al.
Ann Intern Med 74:845-52, Jun 71
Uric acid metabolism in starvation. Lloyd-Mostyn RH, et al. Ann Rheum Dis 29:553-5, Sep 70
Uric acid clearance in patients with gout and normal subjects. Snaith ML, et al.
Ann Rheum Dis 30:285-9, May 71
Gout and uric acid metabolism.
Arthritis Rheum 13:553-69, Sep-Oct 70
The effect of allopurinol on the excretion of oxypurines by the chick. Weir E, et al.
Biochim Biophys Acta 222:556-7, 24 Nov 70
Further characterization of the influence of supine posture on renal function in late pregnancy. Effect of rapid saline infusions on renal sodium, water and uric acid metabolism. Lindheimer MD.
Gynecol Invest 1:69-81, 1970
Uric acid levels in serum and C.S.F. in neurological disorders. Singh SD, et al.
Indian J Pediatr 37:497-500, Oct 70
Interaction between benzothiadiazines and tolbutamide on uric acid metabolism. Iyer KS, et al.
Indian J Physiol Pharmacol 14:25-9, Jan 70
Urate-3-14C transport in the rat nephron. Kramp RA, et al. J Clin Invest 50:35-48, Jan 71
Use of the faecal uric acid method in measuring the utilization of food by Tribolium confusum. Bhattacharya AK, et al.
J Insect Physiol 16:1983-90, Oct 70
The renal mechanisms for the excretion of m-hydroxybenzoic acid in Cebus monkeys: relationship to urate transport. May DG, et al.
J Pharmacol Exp Ther 176:407-17, Feb 71
The effects of probenecid and salicylate on uric acid flux across red cell membranes. Naftalin RJ.
J Physiol (Lond) 211:Suppl:47P+, Dec 70
Effects of fructose infusion on lactate and uric acid metabolism. Sahebjami H, et al.
Lancet 1:366-9, 20 Feb 71
Levels of uric acid in the intestinal tracts of germfree, gnotobiotic, and conventional mice. Cole JS 3d, et al.
Metabolism 20:278-9, Mar 71
Hyperuricemia, a concomitant of congenital vasopressin-resistant diabetes insipidus in the adult. Gorden P, et al. N Engl J Med 284:1057-60, 13 May 71
The mechanism of urate transport in rabbit kidney tubules in vitro. Sheikh MI, et al.
Pfluegers Arch 325:235-46, 1971
Allantoin and uric acid metabolism in leukemic cattle. Bracken WJ, et al.
Vet Med Small Anim Clin 65:1057-62, Nov 70
[Role of massive uratic obstruction of the tubular lumina occurring during treatment of a malignant blood disease in acute renal insufficiency] Richet G, et al. Ann Med Interne (Paris) 120:657-60, Oct 69 (Fre)
[Studies on renal tubular reabsorption of uric acid at very low plasma concentrations] Royer R, et al.
C R Soc Biol (Paris) 164:1829-32, 1970 (Fre)
[Microcrystalline arthritis: the gout crisis] Meunier P, et al. Lyon Med 225:87-90, 24 Jan 71 (Fre)
[Uric acid calculosis] Kracht H, et al.
Dtsch Med J 21:515-26, 20 Apr 70 (64 ref.) (Ger)
[Lactate and uric acid metabolism under the effect of saluretics] Schirmeister J, et al.
Verh Dtsch Ges Inn Med 75:120-3, 1969 (Ger)
[Studies of the mechanisms of extrarenal excretion of uric acid during treatment with benziodarone] Bianco G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:870-82, 1968 (Ita)
[Experimental studies of fructose overloading in normal subjects and in patients with gout] Bianco G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:969-84, 1968 (Ita)
[The liver in gout, with special reference to enzymatic pathology] Marcolongo F, et al.
Clin Ter 47:90-110, 31 Dec 68 (Ita)
[Influence of ethacrynic acid on the uric acid metabolism] Ravera M, et al.
Minerva Med 62:2777-82, 11 Jul 71 (Ita)
[On medical treatment of uratic lithiasis] Consoli C, et al. Minerva Urol 21:193-202, Nov-Dec 69 (Ita)
[Uratic retention due to chronic renal failure. Therapeutic treatment with benziodarone] Ponticelli C, et al. Minerva Urol 21:7-12, Jan-Feb 69 (Ita)
[Fructose loading test in healthy subjects and gout patients] Bianco G, et al.
Reumatismo 21:265-73, Sep-Oct 69 (Ita)
[Benziodarone and extrarenal excretion of uric acid] Bianco G, et al. Reumatismo 21:261-4, Sep-Oct 69 (Ita)
[Relationship between the elevation of liver xanthine-oxidase, hyperuricemia and uricuria in gout] Ciccoli L, et al.
Reumatismo 21:277-8, Sep-Oct 69 (Ita)
[Current pathogenetic aspects of acute gout] Marmont A, et al. Reumatismo 21:153-78, Jul-Aug 69 (Ita)
[Pseudo-gout arthropathic manifestations induced by antitubercular chemoantibiotics] Salomone G.
Reumatismo 21:324-30, Sep-Oct 69 (Ita)
[Isolation and properties of microorganisms decomposing uric acid] Imšenecki AA, et al.
Mikrobiologiia 39:805-11, Sep-Oct 70 (Rus)
[Decomposition of uric acid by aerobic bacteria isolated from soil] Imšenecki AA, et al.
Mikrobiologiia 40:269-74, Mar-Apr 71 (Rus)
[Characteristics of uric acid metabolism in acute leukemia] Lorie IuI, et al.
Probl Gematol Pereliv Krovi 15:24-7, Dec 70 (Rus)
[Features of uric acid metabolism in leukemia] Poddubnaia IV. Sov Med 33:57-64, Jul 70 (54 ref.) (Rus)
[Modifications induced in the uric acid level by a combination niacin methoxyprophylline mucopolysaccharide and its interrelation with lipid metabolism] Passanante D, et al.
Prensa Med Argent 57:1149-50, 7 Aug 70 (Spa)
[Metabolism of lipids and uric acid in experimental and normal stress] Theorell T.
Nord Med 85:884-9, 3 Jun 71 (Swe)

PHARMACODYNAMICS

Differential membranolytic effects of microcrystalline sodium urate and calcium pyrophosphate dihydrate. Wallingford WR, et al. J Exp Med 133:100-12, 1 Jan 71

PHYSIOLOGY

Similar functions of uric acid and ascorbate in man? Proctor P. Nature (Lond) 228:868, 28 Nov 70
Cuticle reflectivity and optical activity in scarab beetles: the rôle of uric acid. Caveney S.
Proc R Soc Lond [Biol] 178:205-25, 29 Jun 71

SECRETION

Handling of uric acid by the rat kidney. I. Microanalysis of uric acid in proximal tubular fluid. Greger R, et al.
Pfluegers Arch 324:279-87, 1971

STANDARDS

Evaluation of five reagent grade uric acid standards and observations on the phosphotungstic acid method for uric acid measurement. Copeland BE, et al.
Am J Clin Pathol 56:1-7, Jul 71

URINE

Diagnostic hazard. Br Med J 3:493, 28 Aug 71
Effect of dietary purine restriction, allupurinol, and oxipurinol on urinary excretion of ultraviolet-absorbing compounds. Kelley WN, et al.
Clin Chem 16:707-13, Aug 70
Evaluation of an automated method for the estimation of uric acid concentrations in blood and urine. Wells MG. J Med Lab Technol 27:485-91, Oct 70
Urinary pseudouridine and uric acid excretion in surgical patients. Mittelman A, et al.
J Surg Res 11:1-5, Jan 71
Uric acid excretion in sickle cell anemia. Walker BR, et al. JAMA 215:255-8, 11 Jan 71
Control of uric acid excretion. Steele TH.
N Engl J Med 284:1193-6, 27 May 71 (30 ref.)
Uric acid stones: a complication of ileostomy.
Postgrad Med 49:244, Feb 71
Uric acid dihydrate in bird urine. Lonsdale K, et al.
Science 172:958-9, 28 May 71
[Discussion on the mechanisms of the abscence of renal elimination threshold for uric acid] Fontenaille C, et al. J Urol Nephrol (Paris) 77:359-64, Apr-May 71 (Fre)
[Serum and urine uric acid content in hemoblastoses and gout as well as its modification by allopurinol] Helbig W, et al.
Z Gesamte Inn Med 26:233-7, 1 Apr 71 (Ger)
[Endogenous synthesis and renal excretion of uric acid in patients with primary gout] Ciria E, et al.
Reumatismo 21:139-51, Jul-Aug 69 (Ita)
[Correlation between growth and urinary hydroxyproline in the neonatal period. 1. Monthly urinary hydroxyproline values in normal infants on various types of nutrition and their correlation with body measurements, urinary creatinine, uric acid, calcium and phosphorus] Hamawaki M.
Acta Paediatr Jap 75:39-53, 1 Jan 71 (Jap)
[Renal excretion of uric acid in diabetic children] Kańska B, et al. Przegl Lek 27:433-5, 28 Jun 71 (Pol)
[Effect of hypothiazide on the urinary excretion of uric acid in patients with hypertensive disease] Adenskii AD, et al. Kardiologiia 10:120-1, Sep 70 (Rus)

URICASE see URATE OXIDASE (D9)

URICOSURIC AGENTS (D7)

Uricosuric effect of radiocontrast agents. A study in man of four commonly used preparations. Postlethwaite AE, et al.
Ann Intern Med 74:845-52, Jun 71

ADMINISTRATION & DOSAGE

Renal effects of uricosuric agents in the Cebus monkey. Fanelli GM Jr, et al.
J Pharmacol Exp Ther 175:259-66, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Benziodarone and extrarenal excretion of uric acid] Bianco G, et al. Reumatismo 21:261-4, Sep-Oct 69 (Ita)
[Current trends in medical therapy of gout] Marcolongo R Jr, et al. Reumatismo 21:216-38, Jul-Aug 69 (225 ref.) (Ita)

ADVERSE EFFECTS

Uricosuria and x-ray contrast agents. Kelley WN. N Engl J Med 284:975-6, 29 Apr 71
Uricosuric action of cholecystographic agents. A possible factor in nephrotoxicity. Mudge GH. N Engl J Med 284:929-33, 29 Apr 71
[Detrimental and problematic drug combinations. 3] Glogner P. Internist (Berlin) 11:377-8, Oct 70 (Ger)

PHARMACODYNAMICS

Renal effects of uricosuric agents in the chimpanzee. Fanelli GM Jr, et al. J Pharmacol Exp Ther 177:591-9, Jun 71
Cholecystography and nephrotoxicity. Swales JD, et al. N Engl J Med 285:354, 5 Aug 71
[Pharmacological studies of diuretics. 4. Changes of serum uric acid level by the successive administration of thiazide diuretics and other drugs and effects of uricosuric drugs] Suzuki Y, et al. Folia Pharmacol Jap 67:89-99, Jan 71 (Jap)

THERAPEUTIC USE

[Clinical trial of L2214 in the treatment of gout or of rheumatologic syndromes associated with hyperuricemia] Bogaert P van. J Belge Rhumatol Med Phys 24:295-315, 1969 (Fre)
[Analysis of the hypo-uricemic action of benzbromarone in 40 cases of gouty and non-gouty hyperuricemia] Famaey JP, et al. J Belge Rhumatol Med Phys 25:5-9, Jan-Feb 70 (Fre)
[Clinical experience in long-term treatment of gout with benzofuran iodine and bromine derivatives] Masbernard A, et al. Lyon Med 225:683-91, 25 Apr 71 (Fre)
[Hyperuricemia due to diuretics in hypertensive patients. Curative treatment with benziodarone] Lagrue G, et al. Presse Med 79:849-52, 17 Apr 71 (Fre)
[Uricosuric effect of a phenylbutazone derivative, cetophenylbutazone] Mugler A. Rev Rhum Mal Osteoartic 38:33-9, Jan 71 (Fre)
[Effect of benzbromarone on serum uric acid level and uric acid excretion of patients with gout] Zöllner N, et al. Dtsch Med Wochenschr 95:2405-12, 27 Nov 70 (Ger)
[Gout from the view of a special hospital for rheumatic patients] Klotz H, et al. Wien Klin Wochenschr 83:177-80, 19 Mar 71 (Ger)
[Benziodarone therapy in hyperuricemia in the aged] Ravera M, et al. G Gerontol 18:876-9, Sep 70 (Ita)
[A new uricemia-lowering agent: benziodarone. Its use in therapy of urate retention in the course of chronic renal insufficiency] Bossini A, et al. Policlinico [Prat] 76:961-73, 28 Jul 69 (Ita)

URIDINE (D10)

Determination of labile trifluoromethyl compounds with a fluoride--ion electrode: differential analysis of 5-trifluoromethyluracil and 5-trifluoromethyl-2'-deoxyuridine. Rogers WI, et al. Anal Biochem 32:31-7, 15 Oct 69
Glutathione-catalyzed hydrogen isotope exchange at position 5 of uridine. A model for enzymic carbon alkylation reactions of pyrimidines. Kalman TI. Biochemistry 10:2567-73, 22 Jun 71
Hydrogen bonding in derivatives of adenosie and uridine. Pitha J. Biochemistry 9:3678-83, 15 Sep 70
Molecular orbital calculations on the conformation of nucleic acids and their constituents. I. Conformational energies of beta-nucleosides with C(3')-and C(2')-endo sugars. Berthod H, et al. Biochim Biophys Acta 232:595-606, 8 Apr 71
Differential labelling of the carboxymethyl and methyl substituents of 5-carboxymethyluridine methyl ester, a trace nucleoside constituent of yeast transfer RNA. Tumaitis TD, et al. Biochim Biophys Acta 224:391-403, 14 Dec 70
A model for the molecular conformation of alpha-pseudouridine from nuclear magnetic resonance data. Grey AA, et al. J Am Chem Soc 93:1765-9, 7 Apr 71
Stereochemistry of pyrimidine nucleosides: conformational analysis of cytidine, thymidine, 4-thiouridine and deoxycytidine by the neglect of differential overlap molecular orbital method. Kang S. J Mol Biol 58:297-315, 28 May 71
Molecular conformation of dihydrouridine: puckered base nucleoside of transfer RNA. Sundaralingam M, et al. Science 172:725-7, 14 May 71
[Alcoholysis of uridine-2', 3'-cyclophosphate by uridine in the presence of pancreatic RNAase] Ustiuzhanin GE, et al. Biokhimiia 35:708-16, Jul-Aug 70 (Rus)

ANALYSIS

Paper disc estimation of radioactive RNA: studies on the presence and elimination of metabolically generated artifacts from labeled purine and pyrimidine precursors. Yu FL, et al. Anal Biochem 39:319-21, Feb 71
Distribution of labelled phosphate in adenine and uridine nucleotides of rat liver. Zhivkov V. Dokl Bolg Akad Nauk 22:205-7, 1969

BLOOD

Rates of formation of blood-borne uridine and cytidine in dogs. Tseng J, et al. Am J Physiol 221:869-78, Sep 71

CHEMICAL SYNTHESIS

A convenient synthesis of 2',3',5'-tri-O-acetyladenosine and -uridine. Rajabalee FJ. Angew Chem [Engl] 10:74, Jan 71
Synthesis of 5-carboxymethyluridine. A nucleoside from transfer ribonucleic acid. Fissekis JD, et al. Biochemistry 9:3136-42, 4 Aug 70
Thio-analogues of 5,6-dihydrouridine. Skarić V, et al. J Chem Soc [Org] 18:2444-7, 1970
C-glycosyl nucleosides. I. Studies on the synthesis of pseudouridine and related compounds. Lerch U, et al. J Org Chem 36:1507-13, 4 Jun 71
A synthesis of 2'-deoxy-L-uridine. Holý A. Tetrahedron Lett 2:189-92, Jan 71
Synthesis of 2'-deoxy-2'-mercaptouridine. Imazawa M, et al. Tetrahedron Lett 55:4807-10, Nov 70
[Nucleosides. I. Syntheses of O'-benzyl derivatives of uridine] Blank HU, et al. Justus Liebigs Ann Chem 742:1-15, Dec 70 (Ger)
[Abiogenic synthesis of pseudouridine] Khenokh MA, et al. Dokl Akad Nauk SSSR 197:464-6, 11 Mar 71 (Rus)

METABOLISM

Hydroxyurea: effect on leucine, uridine, and thymidine triphosphate incorporation by rat liver mitochondria in vitro. Tschiersch B, et al. Arch Geschwulstforsch 33:1-4, 1969
In vitro nucleic acid labelling in rat testis following nitrofurazone administration. Hollinger MA, et al. Arch Int Pharmacodyn Ther 185:20-4, May 70
Incorporation of [3H] uridine into the ribonucleic acid of rat uterus during pseudopregnancy and in the presence of I.C.I. 46474 [trans-1-(p-beta-dimethylaminoethoxyphenyl)-1,2-diphenylbut-1-ene]. O'Grady JE, et al. Biochem J 119:609-13, Oct 70
The effect of dimethyl sulfoxide on nucleoside transport in L-cells. Collins FD, et al. Biochim Biophys Acta 233:459-64, 13 Apr 71
Rous sarcoma virus-induced changes in uridine and UMP metabolism in chick chorioallantoic membrane. Dodge WH, et al. Biochim Biophys Acta 217:199-201, 17 Sep 70
Differential labelling of the thio, carboxymethyl and methyl substituents of 2-thio-5-carboxymethyluridine methyl ester, a trace nucleoside constituent of yeast transfer RNA. Kwong TC, et al. Biochim Biophys Acta 224:405-12, 14 Dec 70
Oxygen toxicity in the newborn guinea pig lung. The incorporation of tritiated uridine into monoribosomes. Bieber MM, et al. Biol Neonate 17:35-43, 1971
Brain function and macromolecules. 8. Uridine incorporation into brain polysomes of hypophysectomized rats and ovariectomized mice during avoidance conditioning. Coleman MS, et al. Brain Res 26:349-60, 5 Mar 71
Analysis of 5-methyluridine function in the transfer RNA of Escherichia coli. Björk GR, et al. Cancer Res 31:706-9, May 71
Alterations in the phosphorylation of (3H)uridine and RNA synthesis in rat thymus cells after glucose depletion and treatment with prednisolone. Drews J, et al. Eur J Biochem 16:541-8, Nov 70
Effect of phytohemagglutinin on lymphocyte membrane transport. I. Stimulation of uridine uptake. Peters JH, et al. Eur J Biochem 19:502-8, 30 Apr 71
Metabolic patterns in liyanassa polar lobes. Geuskens M, et al. Exp Cell Res 67:61-72, Jul 71
Uridine incorporation and RNA synthesis during stimulation of lymphocytes by PHA. Kay JE, et al. Exp Cell Res 63:411-21, Dec 70
The relation between neurosecretory activity and the incorporation of [3H]uridine into RNA of nerve cells. Golubitsa AN, et al. Folia Histochem Cytochem (Krakow) 9:19-23, 1971
RNA synthesis and uridine pools in normal and BUdR-containing human kidney T-cells after U.V.-irradiation. Scalfe JF. Int J Radiat Biol 18:189-92, 1970
Polyamines and protein synthesis. VII. Effect of spermine on the binding of polyuridylic acid to 30S ribosomal subunits. Takeda Y, et al. J Biochem (Tokyo) 68:937-40, Dec 70
Regulation of pyrimidine ribonucleoside incorporation in isolated bone cells. Stimulation by insulin and by 2,3-dihydroxy-1,4-dithiobutane (dithiothreitol). Peck WA, et al. J Biol Chem 246:4439-46, 25 Jul 71
Uridine transport and RNA synthesis in growing and in density-inhibited animal cells. Weber MJ, et al. J Cell Physiol 77:157-68, Apr 71
Pattern of incorporation of (3H)uridine into RNA of amphibian oocyte nucleoli. Macgregor HC. J Cell Sci 2:145-50, Jun 67
Early action of oestrogen on the incorporation of [3H]uridine in the blastocyst and uterus of rat during delayed implantation. Mohla S, et al. J Endocrinol 49:87-92, Jan 71
Studies on the origin of pyrimidines for biosynthesis of neural RNA in the rat. Hogans AF, et al. J Neurochem 18:1699-710, Sep 71
Study of RNA in subcellular fractions from rat brain: simultaneous incorporation of [14C]uridine and [3H]methyl-L-methionine. Saborio JL, et al. J Neurochem 17:91-101, Jan 70
The incorporation of phenylalanine and uridine in Tetrahymena: a pressure study. Lowe-Jinde L, et al. J Protozool 18:20-3, Feb 71
Transport as the rate-limiting step in the incorporation of uridine into mengovirus ribonucleic acid in Novikoff rat hepatoma cells. Plagemann PG, et al. J Virol 7:137-43, Jan 71
Use of uridine uptake for the estimation of lymphocyte stimulation in vitro. Abe Y. Jap J Exp Med 41:381-6, Aug 71
Incorporation of uridine into polysomes of mouse brain during extinction. Coleman MS, et al. Nature (Lond) 229:54-5, 1 Jan 71
Renotropic factor(s) in plasma from uninephrectomized rats. Preuss HG, et al. Nephron 7:459-70, 1970
The effect of short term experiences on the incorporation of uridine into RNA and polysomes of mouse brain. Glassman E, et al. Progr Brain Res 32:245-9, 1970
[Kinetics of the incorporation of uridine (3 H) in subnucleolar fractions of rat ascites hepatoma cells] Bachellerie JP, et al. Biochimie 53:383-9, 1971 (Fre)
[Study of incorporation of uridine-3H in the nucleus in the Amphidinium carteri, Dinoflagellata] Babiliot C. C R Acad Sci [D] (Paris) 271:828-31, 7 Sep 70 (Fre)
[Incorporation of precursors of nucleic acids in the axoloti limb in the process of regeneration] Lazard L. C R Acad Sci [D] (Paris) 271:2031-4, 30 Nov 70 (Fre)
[Incorporation of 3H-thymidine, 3H-uridine and 3H-leucine in the blue alga Spirulina platensis (Gom.) geitler] Marty F, et al. C R Acad Sci [D] (Paris) 272:2021-4, 14 Apr 71 (Fre)
[In vivo and in vitro incorporation of 3H-uridine into mitochondrial RNA] Curgy JJ. Exp Cell Res 62:359-67, Oct 70 (Fre)
[Autoradiographic study of the incorporation of tritiated uridine in isolated cells of spinal ganglia in culture] Ciesielski-Treska J, et al. J Physiol (Paris) 62:Suppl 2:261, 1970 (Fre)
[Autoradiographic investigations concerning the influence of gestagens on 3H-thymidine and 3H-uridine absorption in the rat uterus] Trams G, et al. Acta Endocrinol [Suppl] (Kbh) 152:75, 1971 (Ger)
[Effect of glucose on the incorporation of 14C-thymidine, -uridine and -leucine into ascites cells] Rosenkranz D, et al. Naturwissenschaften 57:497-8, Oct 70 (Ger)
[Regulation of the cell cycle in initial embryogenesis in mice] Monesi V, et al. Biol Lat 22:217-25, Jul-Sep 69 (Ita)
[Intestinal absorption of cytidine-C 14 and uridine-C 14 in the rat in vivo] Sciorelli G, et al. Boll Soc Ital Biol Sper 45:1538-42, 15 Dec 69 (Ita)
[Nucleic acid synthesis in HeLa cells infected with type 10 adenovirus. II. Incorporation of uridine 3H] Semkow R, et al. Med Dosw Mikrobiol 23:45-50, 1971 (Pol)
[Temperature effect on membrane potential and inclusion of H3-uridine and H3-lysine in the cells of triton ganglia] Bezruchko SM, et al. Biofizika 16:443-9, May-Jun 71 (Rus)
[The role of uridine in the synthesis of phage specific DNA in the cells of Escherichia coli infected by T2 phage] Pravdina NF, et al. Biokhimiia 35:85-8, 1970 (Rus)
[Rate of C14- and H3-uridine incorporation into cells at different stages of the mitotic cycle] Gubenko IS, et al. Tsitologiia 13:702-10, 1971 (Rus)
[Effect of 4-methyl uracil on nucleotide content and uracil degradation in liver of albino rats] Iakoviev NN. Ukr Biokhim Zh 42:731-5, 1970 (Rus)
[Topography of uridine incorporation by the neural axis of the rat. I. Prosencephalon, prechiasmatic portion] Carreras Quevedo J, et al. Arch Neurobiol (Madr) 34:113-24, Mar-Apr 71 (Spa)
[Molecular cytology of the chronology and pattern of tritiated thymidine, uridine and leucine incorporation into normal human lymphocytes transformed in vitro] Forteza Bover G, et al. Sangre (Barc) 16:185-232, 1971 (Spa)

PHARMACODYNAMICS

The brain nucleotide pattern of the rat after injection of uracil, uridine and uridine phosphate. Piccoli F, et al. Acta Neurol (Napoli) 26:109-17, Jan-Feb 71
Role of endogenous norepinephrine in cardiac

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

inotropic effects of nucleosides. Buckley NM. Arch Int Pharmacodyn Ther 188:92-104, Nov 70
Effects of pyrimidine compounds on atrial and ventricular excitability. Buckley NM, et al. Arch Int Physiol Biochim 79:61-73, Jan 71
Photohydration of uridine in the ribonucleic acid of coliphage R17. Lethality of uridine photohydrates and nonlethality of cyclobutane-type photodimers. Remsen JF, et al. Biochemistry 10:524-9, 2 Feb 71
The role of uridine photoproducts in ultraviolet-irradiated polyuridylic acid used as messenger in protein synthesis in vitro. Eker AP, et al. Biochim Biophys Acta 217:527-30, 15 Oct 70

RADIATION EFFECTS

Photochemistry of 4-thiouridine in Escherichia coli transfer RNA1Val. Favre A, et al. J Mol Biol 58:367-79, 28 May 71
Biological activity of irradiated tRNA Val containing a 4-thiouridine-cytosine dimer. Yaniv M, et al. J Mol Biol 58:381-8, 28 May 71

THERAPEUTIC USE

Cytostatic and immunologic activity of 5-mercaptouracil desoxyriboside in the management of multiple superficial basal cell epitheliomas. Schwartz SH, et al. J Med (Basel) 1:174-9, 1970
[On the activity of a liver-protective drug, uridine-5-diphosphoglucose as an adjuvant in dermatological therapy] Lasagni A. G Ital Dermatol 46:256-93, Jun 71 (Ita)
[Effectiveness of the association of cytidine and uridine in cerebrovascular disorders] Sepe O. Minerva Med 61:5934-41, 22 Dec 70 (Ita)
[Studies on the use of liver extracts enriched with uridine, cytidine and vitamin B 12 in pediatric therapy] Rizzo A. Minerva Pediatr 23:803-10, 5 May 71 (Ita)
[Exopin in pediatric practice] Russo U, et al. Minerva Pediatr 23:811-5, 5 May 71 (Ita)
[Clinical trial of liver-protective agents containing cytidine and uridine in the therapy of patients with liver diseases] Grimaldi N, et al. Policlinico [Med] 78:134-46, 1971 (Ita)

URINE

Effect of dietary purine restriction, allupurinol, and oxipurinol on urinary excretion of ultraviolet-absorbing compounds. Kelley WN, et al. Clin Chem 16:707-13, Aug 70
Ultraviolet-absorbing compounds in urine of normal newborns and young children. Vavich JM, et al. Clin Chem 16:702-6, Aug 70
Urinary pseudouridine and uric acid excretion in surgical patients. Mittelman A, et al. J Surg Res 11:1-5, Jan 71
[Urinary excretion of pseudo-uridine in tumor-bearing rats before and after irradiation] Fedorov NA, et al. Biull Eksp Biol Med 66:86-7, Sep 68 (Rus)

URIDINE PHOSPHATES see under URACIL

NUCLEOTIDES (D10)

URIDYLIC ACIDS see under URACIL

NUCLEOTIDES (D10)

URINARY CALCULI (C6)

A radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone. Herring LC, et al. Arch Environ Health 22:239-50, Feb 71
II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet. Herring LC, et al. Arch Environ Health 22:251-8, Feb 71
Direct observation of urinary stone ultrastructure. Meyer AS, et al. Br J Urol 43:154-63, Apr 71
Urinary tract calculi--a comparison of chemical and crystallographic analyses. Sutor DJ, et al. Br J Urol 43:149-53, Apr 71
Uric acid lithiasis: a report on 3 patients along with a study on the response to 'allopurinol' in one. Singh SM, et al. Indian J Med Res 59:419-26, Mar 71
A combined qualitative and quantitative procedure for the chemical analysis of urinary calculi. Hodgkinson A. J Clin Pathol 24:147-51, Mar 71
Case report. Stones in the diverticulum of the female urethra. Pathak UN. West Indian Med J 19:180-3, Sep 70
Case report. Stones in the diverticulum of the female urethra. Pathak UN. Wien Med Wochenschr 120:180-3, 2 May 70
[Urinary lithiasis in African negroes. Apropos of 100 cases] Perquis P, et al. Med Trop (Mars) 29:576-83, Sep-Oct 69 (Fre)
[Study of urinary calculi using Debye-Scherrer's ultrastructural x-ray analysis] Schneider HJ, et al. Urologe 9:171-5, Jul 70 (Ger)
[Importance and forms of urinary calculi analysis] Schneider HJ, et al. Z Aerztl Fortbild (Jena) 64:861-7, 1 Sep 70 (34 ref.) (Ger)
[Urolilithiasis, clinic-therapy-prevention] Schneider HJ. Z Gesamte Inn Med 26:372-7, 15 Apr 71 (Ger)
[Bladder calculosis in childhood] Siciliano C, et al. Arcisp S Anna Ferrara 22:863-86, 1969 (Ita)
[Urolithiasis in infancy, presentation of 3 cases] Cortesi M, et al. Riv Clin Pediatr 83:24-30, Jan-Apr 70 (Ita)
[Urinary lithiasis] Resen Clin Cient 38:297-300, Nov-Dec 69 (Por)
[Effect of the mineral composition of drinking water on the composition of urinary calculi] Ioshin OI. Gig Sanit 36:97-8, 1971 (Rus)
[Pregnancy and urinary calculi] Vaĭnberg ZS, et al. Vopr Okhr Materin Det 16:54-6, Mar 71 (Rus)
[Study of the composition of kidney calculi by roentgen diffraction and infrared spectrophotometry. Correlation with clinical data] Radonić M, et al. Lijec Vjesn 92:757-70, Jul 70 (Cro)

CHEMICALLY INDUCED

A nonmineralized concretion in the urogenital tract of the male rat. Bruss ML, et al. Invest Urol 8:254-60, Nov 70
[Experimental stone formation induced by the absorption of corpuscular elements] Birkholz W, et al. Urologe 9:230-4, Jul 70 (Ger)

CLASSIFICATION

[Proposal for the centralization and standardization of urinary calculi analysis] Schneider HJ, et al. Dtsch Gesundheitsw 25:1934-7, 8 Oct 70 (Ger)

COMPLICATIONS

Giant calculus in a diverticulum of the male anterior urethra. Bekhrad A, et al. J Iowa Med Soc 60:699-707 passim, Oct 70
[Perirenal uropiania] Tilma A. Ugeskr Laeger 132:2076-8, 29 Oct 70 (Dan)
[Management of urolithiasis in the course of pregnancy, parturition and puerperium] Szczerbo A, et al. Pol Przegl Chir 43:Suppl 2a:327+, Feb 71 (Pol)
[Vesicovaginal fistulas complicated by urolithiasis] Savitskaia LK, et al. Akush Ginekol (Mosk) 46:56-8, Aug 70 (Rus)
[Circulation of polysynthetic broad spectrum penicillins in patients with urolithiasis] Marshak AM, et al. Antibiotiki 15:740-3, Aug 70 (Rus)

DIAGNOSIS

The level of glycine in urine of persons affected with urolithiasis (considering persons working on the sea). Preliminary report. Renke W, et al. Bull Inst Mar Med Gdansk 21:139-45, 1970
The child with urolithiasis. Practical considerations in diagnosis and management. Herrin JT. Clin Pediatr (Phila) 10:306-8, Jun 71
[The sulkovitch test in the search for hypercalcaemic patients with urinary calculus] Sommerkamp H. Munch Med Wochenschr 112:2241-3, 4 Dec 70 (Ger)
[Observations on children with urinary calculi in during the years 1957 to 1967] Hertkens HJ, et al. Paediatr Grenzgeb 9:333-52, 1970 (Ger)
[Stone analysis with the crystallinization technique] Marscek M, et al. Urologe 10:154-8, Jul 71 (Ger)
[Analysis and evaluation of urinary calculi containing magnesium] Maurer C, et al. Urologe 10:158-61, Jul 71 (Ger)
[Crystal-optical determination of urinary concrements] Sorger G, et al. Urologe 10:151-4, Jul 71 (Ger)
[The value of routine diagnostic methods in determination of the relationship between hyperparathyroidism and urolithiasis] Pirlich W, et al. Z Urol Nephrol 63:945-52, Dec 70 (Ger)
[Zinc in urinary calculi] Schneider HJ, et al. Z Urol Nephrol 63:895-900, Dec 70 (Ger)

DRUG THERAPY

Intravenous infusion of renacidin in dogs. Rosen DI, et al. Invest Urol 9:31-3, Jul 71
Magnesium therapy for recurring calcium oxalate urinary calculi. Melnick I, et al. J Urol 105:119-22, Jan 71
[Treatment of urolithiasis by crenotherapy in the Rumanian Spa Călimănești-Caciulata] Mămularu G, et al. Fiziatr Reumatol Vestn 49:23-5, Feb 71 (Cze)
[Cystine stone in the urinary tract treated with alkali and benzoic acid] Jorgensen TE. Ugeskr Laeger 133:2074-6, 29 Oct 70 (Dan)
[A case of voluminous cystine lithiasis cured with high doses of sodium bicarbonate] Vivien P, et al. Therapie 26:121-7, Jan-Feb 71 (Fre)
[Clinical experiences with the drug Enatin] Constantini A, et al. Med Welt 34:1477-9, 22 Aug 70 (Ger)
[Methods of oral litholysis by means of drugs and duration of the prevention of uric acid calculi] Vahlensieck W. Med Welt 36:1559-66, 5 Sep 70 (Ger)
[Effect of Wofatit-KPS on persistent urolithiasis and suggestions for possible prevention] Ecke M. Z Urol Nephrol 63:741-6, Oct 70 (Ger)
[Preparation of a citrate granulate and its use in the therapy of urolithiasis] Schneider HJ, et al. Z Urol Nephrol 62:351-5, 1969 (Ger)
[On medical treatment of uratic lithiasis] Consoli C, et al. Minerva Urol 21:193-202, Nov-Dec 69 (Ita)
[Results of pharmacological therapy in 500 patients with urinary calculi] Modliński L. Pol Przegl Chir 43:991-1000, Jun 71 (Pol)
[Treatment of idiopathic hypercalciuria with sodium phosphate cellulose] Rapado A, et al. Rev Clin Esp 119:61-6, 15 Oct 70 (Spa)

ETIOLOGY

Studies on the etiology of urolithiasis in Karachi. Shahjehan S, et al. Am J Clin Nutr 24:32-7, Jan 71
Calcification in genito-urinary tuberculois. Ross JC. Br J Urol 42:656-60, Dec 70
Uric acid calculi associated with ileostomy for ulcerative colitis. Gigax JH, et al. J Urol 105:777-9, Jun 71
Calculous disease in Vietnam: observations on labile hyperuricemia. Bourne CW. Milit Med 135:112-5, Feb 70
Uric acid stones: a complication of ileostomy. Postgrad Med 49:244, Feb 71
On the effect of induced hypercalcemia and nonspecific kidney damage on mucopolysaccharide synthesis and stone formation in the urinary tract of the rat. Bošnović L, et al. Scand J Urol Nephrol 4:66-70, 1970
[Clinical symptoms and progress of gout complicated by urolithiasis] Vachtenheim J, et al. Fysiatr Reumatol Vestn 49:171-8, Aug 71 (Cze)
[Urinary lithiasis and bilharziasis. Apropos of 11 cases] Perquis P, et al. Med Trop (Mars) 29:725-30, Nov-Dec 69 (Fre)
[Nephrocalcinosis and the urolithiasis of thyroid insufficiency] Royer P, et al. Rein Vole 13:187-203, 1970 (Fre)
[Cystic disease of the kidney and uric acid lithiasis] Steg A. Rein Vole 13:53-94, 1970 (Fre)
[Basic diagnosis and conservative therapy in patients with calcium calculus diathesis] Horn HD. Dtsch Med J 21:506-12, 20 Apr 70 (Ger)
[Urinary calculi in paraplegia] Stöhr C. Dtsch Med J 21:545-51, 20 Apr 70 (Ger)
[Importance of nutrition for the development of urinary calculi and the position of dietetics in the modern therapy of urolithiasis] Schneider HJ, et al. Dtsch Z Verdau Stoffwechselkr 29:401-6, 1969 (Ger)
[Current etiopathogenetic views concerning urinary calculosis] Germinale T, et al. Pathologica 59:433-40, Nov-Dec 67 (Ita)
[Etiology of urinary tract calculus] Sonoda T. J Jap Med Assoc 65:853-8, 1 Mar 71 (Jap)
[Urinary concretions] Laake K. Tidsskr Nor Laegeforen 90:2071-6, 15 Nov 70 (36 ref.) (Nor)
[Urinary tract concretions] Mathisen W. Tidsskr Nor Laegeforen 90:2106-8, 15 Nov 70 (Nor)
[Incrustating cystitis and calculus formation after kidney transplantation] Iarmolinskiĭ IS, et al. Urol Nefrol (Mosk) 35:68-70, Jul-Aug 70 (Rus)

FAMILIAL & GENETIC

[Lithiasis and-or calculi] Raimbault G, et al. Arch Fr Pediatr 27:1005-18, 1970 (Fre)

METABOLISM

Composition of urinary calculi by x-ray diffraction: collected data from various localities. IX-XI. Sutor DJ, et al. Br J Urol 43:268-72, Jun 71
Transition of amorphous magnesium ammonium phosphate to a crystalline state in rat urinary calculi induced by L-forms of Proteus mirabilis. Rottschaefer BL, et al. Calcif Tissue Res 5:80-4, 1970

MICROBIOLOGY

[Distribution of bacterial strains in patients with urinary calculi] Götz F, et al. Z Urol Nephrol 64:411-4, Jun 71 (Ger)

OCCURRENCE

Follow up study of 120 cases of stone in the upper urinary tract. Singh SM, et al. Indian J Med Res 58:1022-7, Aug 70
Childhood urolithiasis in northern Israel. Stark H. Isr J Med Sci 6:341-5, May-Jun 70
Hyperthyroidism and urinary tract calculus. Walker D. J Urol 105:868-9, Jun 71
A comparative study of relative incidence of stone types between a transient military population and the indigenous population of the Hawaiian Islands. Wurster JC, et al. J Urol 104:581-5, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The riddle of urinary stone disease. Prien EL Sr. JAMA 216:503-7, 19 Apr 71
Urinary calculi in Laos. Westermeyer JJ. JAMA 217:82-3, 5 Jul 71
Urinary lithiasis in Iran. A retrospective study based on 2,114 operations. Hedayat S, et al. Trop Geogr Med 22:416-22, Dec 70

PATHOLOGY

An observation on the analysis of urinary calculi by infrared spectroscopy. Takasaki E. Calcif Tissue Res 7:232-40, 1971
[Chemical composition and incidence of nephrolithiasis. I. Main anion components] Shumarov N, et al. Khirurgiia (Sofiia) 22:494-500, 1969 (Bul)

PHYSIOPATHOLOGY

[Study of kidney function using I-131-triombrin] Frenkel' VKh, et al. Med Radiol (Mosk) 15:30-4, Aug 70 (Rus)

PREVENTION & CONTROL

Allopurinol in the prevention of hyperuricemia in Dalmatian dogs. Osbaldiston GW, et al. Vet Med Small Anim Clin 66:711-5, Jul 71
[Prevention of calculus formation in the urinary tract of paraplegic patients] Stöhr C. Munch Med Wochenschr 110:2308-10, 4 Oct 68 (Ger)
[Prevention of recurrence in urolithiasis] Terhorst B, et al. Z Urol Nephrol 62:761-73, 1969 (Ger)
[Possibilities and limitations in the prevention of urolithiasis from the pediatric viewpoint] Wisser S, et al. Zentralbl Chir 96:136-42, 23 Jan 71 (Ger)

RADIOGRAPHY

[Radiosymptomatologic aspects of urolithiasis in some dysplasias of the urinary tract] Pavlica P, et al. Ann Radiol Diagn (Bologna) 43:159-200, 1971
[Retrograde pyelography] Rummelhardt S. Helv Chir Acta 37:422-4, Aug 70 (Ger)

SURGERY

[Indication for hospital admission in lithiasis of deferent urinary pathways] Frick J. Z Allgemeinmed 46:1436-8, 20 Oct 70 (Ger)
[Use of mannitol after uretero- and pyelotomies] Albert L, et al. Z Urol Nephrol 62:357-63, 1969 (Ger)
[Surgical treatment of urinary calculi in pregnancy] Gimpel'son IaE. Vopr Okhr Materin Det 15:59-63, Aug 70 (Rus)

THERAPY

Electronic lithotripsy for vesical calculus with "Urat-1". An experience of 100 cases and an experimental application of the method to stones in the upper urinary tract. Rouvalis P. Br J Urol 42:486-91, Aug 70
The child with urolithiasis. Practical considerations in diagnosis and management. Herrin JT. Clin Pediatr (Phila) 10:306-8, Jun 71
[Symposium on urolithiasis in Jena] Kfiček V. Vnitr Lek 17:302, Mar 71 (Cze)
[Study of the effect of diuretic treatment on urinary oxalates in patients with oxalic lithiasis] Desgrez P, et al. Ann Pharm Fr 29:33-8, Jan 71 (Fre)
[Ultrasonics for urinary calculi destruction (experimental studies)] Terhorst B, et al. Biomed Tech (Stuttg) 16:106-8, 3 Jun 71 (Ger)
[Uric acid calculosis] Kracht H, et al. Dtsch Med J 21:515-26, 20 Apr 70 (64 ref.) (Ger)
[Symptoms, diagnosis and therapy of acute urinary calculi] Vahlensieck W. Dtsch Med J 21:499-505, 20 Apr 70 (Ger)
[Importance of nutrition for the development of urinary calculi and the position of dietetics in the modern therapy of urolithiasis] Schneider HJ, et al. Dtsch Z Verdau Stoffwechselkr 29:401-6, 1969 (Ger)
[Experiences with consulting hours for urinary calculi patients] Schneider HJ, et al. Z Urol Nephrol 62:241-8, 1969 (Ger)

URINE

[A study of urinary hydroxyproline in patients with urolithiasis] Chikazawa H. Jap J Urol 61:1147-69, Dec 70 (Jap)
[Level of acid mucopolysaccharides in the urine in urolithiasis] Vafnberg ZS, et al. Eksp Khir Anesteziol 15:22-4, Jul-Aug 70 (Rus)
[Urinary protective substances in lithogenesis (urinary fibrinolytic activity)] Rapado A, et al. Rev Clin Esp 115:397-400, 15 Dec 69 (Spa)
[Excretion of magnesium in urine and its relation to the urine calcium in patients with urolithiasis. Preliminary results] Revúsová V, et al. Vnitr Lek 17:17-24, Jan 71 (Slo)

VETERINARY

Virus induced urolithiasis in male cats. Rich LJ, et al. Cornell Vet 61:542-53, Jul 71
Microbial studies of feline urolithiasis. Fabricant CG, et al. J Am Vet Med Assoc 158:Suppl 2:976+, 15 Mar 71
Current status of canine urolithiasis. Finco DR. J Am Vet Med Assoc 158:327-35, 1 Feb 71 (50 ref.)
Canine urolithiasis: a review of 133 clinical and 23 necropsy cases. Finco DR, et al. J Am Vet Med Assoc 157:1225-8, 1 Nov 70
Patent persistent urachus associated with urolithiasis in a cat. Greene RW, et al. J Am Vet Med Assoc 158:489-91, 15 Feb 71
Experimental production of urolithiasis in male cats. Rich LJ, et al. J Am Vet Med Assoc 158:Suppl 2:974-6, 15 Mar 71
Animal calculi: an x-ray diffraction study of their crystalline composition. Sutor DJ, et al. Res Vet Sci 11:299-301, May 70
A study of the amino-acids in urine from dogs with cystine urolithiasis. Clark WT, et al. Vet Rec 88:414-7, 17 Apr 71
The use of sterile Walpole's buffer solution pH 4.5 as a diagnostic agent and a treatment of struvite urolithiasis in the cat. Jackson OF. Vet Rec 87:667-8, 21 Nov 70
[Urolithiasis in fattening lambs] Talos V, et al. Monatsh Vet Med 26:139-42, 15 Feb 71 (Ger)

URINARY CATHETERIZATION (E1)

Intraureteric pressures in women. Enhörning G, et al. Am J Obstet Gynecol 106:462-7, 1 Oct 70
Bladder aspiration in diagnosis of urinary tract infection. Sharma SK. Arch Dis Child 45:813-4, Dec 70
Catheterization of the urinary bladder in young female animals. Moore ES, et al. Biol Neonate 16:256-9, 1970
Urological sarong. Tinckler L. Br J Urol 42:496-7, Aug 70
The localisation of urinary tract infection by ureteric catheterisation. Vinnicombe J, et al. Br J Urol 43:39-46, Feb 71
Proper urine culture techniques in infants and children. Lines DR. Del Med J 42:324-6, Nov 70
Development of a closed urinary drainage system suitable for Indian conditions. Bapna BC, et al. Indian J Med Res 59:276-80, Feb 71
Dynamics of the upper urinary tract. The effects of an indwelling ureteral catheter on ureteral peristalsis. Dale RL, et al. Invest Urol 8:655-72, May 71
Ureteral pressure determinations. A comparison of two techniques. Goldfarb M, et al. Invest Urol 8:560-2, Mar 71
Prevention of catheter-induced post-prostatectomy infection. Effects of systemic cephaloridine and local irrigation with neomycin-polymyxin through closed-drainage catheter system. Drach GW, et al. J Urol 105:840-2, Jun 71
Failure of the automatic bladder concept in the management of the complete upper motor neuron neurogenic bladder. Lynn JM. J Urol 104:545-8, Oct 70
Suprapubic catheterization following gynecologic bladder surgery. Baggish MS, et al. Johns Hopkins Med J 128:89-95, Feb 71
Comparison of suprapubic versus Foley drains. Frymire LJ. Obstet Gynecol 38:239-44, Aug 71
Routine use of Foley catheter in the postpartum patient. Ellison RS, et al. Ohio State Med J 67:436-7, May 71
Intermittent catheterization in paraplegic patients. Bors E. Proc Annu Clin Spinal Cord Inj Conf 15:127-35, 7 Nov 66
Further experience with intermittent catheterization. Walsh JJ. Proc Annu Clin Spinal Cord Inj Conf 16:134-40, 1967
Micturition studies in infants and children. Influence of an indwelling urethral catheter and of rectal pressure recording. Gierup J, et al. Scand J Urol Nephrol 4:209-15, 1970
[Overdistension of the bladder and principles for catheterization à démeure regime] Glahn BE. Nord Med 85:128, 28 Jan 71 (Dan)
[Extensive indications of meatotomy based on the Yunen-Fetter technic] Guillemin P, et al. J Urol Nephrol (Paris) 76:964-6, Oct-Nov 70 (Fre)
[Argument against bladder catheterization] Lemieux G. Union Med Can 98:1686-91, Oct 69 (Fre)
[The clinical importance of instrumental kidney calculi chemolysis. Kidney tolerance of ethylene-diamino-tetraacetic acid] Truss F. Med Welt 7:238-42, 13 Feb 71 (Ger)
[Removal of stone fragments from the urinary bladder after lithotripsy] Haas P, et al. Z Urol Nephrol 63:931-4, Dec 70 (Ger)
[Bougienage of urethral stricture with local use of steroids] Voelkel H. Z Urol Nephrol 63:149-53, Feb 70 (Ger)
[Crossed renal ectopia. Unexpected therapeutical result of a diagnostic instrumental procedure] Di Grazia G, et al. Arch Ital Urol Nefrol 42:375-86, 1969 (Ita)
[Urinary infection in paralytics] Bernstein-Hahn L. Rev Argent Urol Nefrol 39:10-4, Jan-Jun 70 (Spa)
[The effects of sulphonamide prophylaxis on the frequency of bacteriuria after catheterization or cystoscopy] Timm J. Nord Med 85:719-21, 10 Jun 71 (Swe)

ADVERSE EFFECTS

A technique for removing a broken ureteric catheter from a child's bladder. Heal MR. Br J Clin Pract 24:321-2, Aug 70
Prevention of urinary infection in patients with indwelling catheters. Schmidt JD. J Iowa Med Soc 60:815-8, Dec 70
Vasectomy in the control of epididymitis after prostatectomy following urethral catheter drainage. Brooks MB, et al. J Urol 105:894-7, May 71
Effect of bladder irrigations during indwelling urethral catheterization. Zinner NR, et al. J Urol 104:538-41, Oct 70
Iatrogenic urethral injury due to preinflation of a Foley catheter. Sellett T. JAMA 217:1548-9, 13 Sep 71
Prevention of bacteriuria in female patients with welling catheters. Cleland V, et al. Nurs Res 20:309-18, Jul-Aug 71
Foley catheter drainage systems and bladder damage. Isaacs JH, et al. Surg Gynecol Obstet 132:889-91, May 71
[Lesions of the bladder mucosa after indwelling catheter. Frequency and localization in autopsy material] Tougaard L. Ugeskr Laeger 133:348-51, 26 Feb 71 (Dan)
[Study on urinary infection in patients with a permanent catheter for urine retention in a resuscitation unit] Wetterwald F, et al. Ann Urol (Paris) 5:43-50, Feb 71 (Fre)
[On a case of Boari's operation necessitated by an accident with a lasso probe (Zeiss)] Hallassos D, et al. J Urol Nephrol (Paris) 76:873-5, Jul-Aug 70 (Fre)
[Surgical closure of an urethral defect with a double skin flap] Bertényi C, et al. Z Urol Nephrol 62:333-5, 1969 (Ger)
[Instrumental investigation of the urinary tract, particularly in urinary stasis] Mebel M. Z Urol Nephrol 63:87-94, Feb 70 (Ger)
[Dangerous complications following the use of the Dormia concrement catcher] Elsner I, et al. Zentralbl Chir 95:831-7, 11 Jul 70 (Ger)
[Unusual cause of acute urinary retention in a subject with a vesical balloon catheter. Prevention and therapy] Siani C, et al. Minerva Anestesiol 36:353-4, Jun 70 (Ita)
[Bacteriuria in permanent catheterization. Response treatment with trimethoprim-sulfamethoxazole (Septrin)] Vela Navarrete R, et al. Rev Clin Esp 120:143-6, 31 Jan 71 (Spa)
[Postoperative bacteriuria in gynecological surgery] Martínez JT, et al. Rev Obstet Ginecol Venez 30:439-46, 1970 (Spa)

INSTRUMENTATION

An instrument for ureteric catheterisation. Pearson BS. Br J Urol 42:598, Oct 70
Catheters for studies of urinary tract pressure. Drouin G, et al. Invest Urol 8:195-202, Sep 70
A hydrophilic polymer-coated antimicrobial urethral catheter. Lazarus SM, et al. J Biomed Mater Res 5:129-38, May 71
Disposable apparatus for closed bladder tidal drainage. Holm HH, et al. J Urol 104:753-4, Nov 70
Electronic instrument for supervising catheters and probes. Reuter HJ. J Urol 104:916-7, Dec 70
Improved method for preventing movement of indwelling catheters in female patients. Viant AC, et al. Lancet 1:736-7, 10 Apr 71
A diathermy catheter with internal fixation for bladder drainage after prostatectomy. MacDiarmid A. NZ Med J 71:365-7, Jun 70
The use of a balloon catheter in retrograde urethrography. Apap A. Radiography 37:123-4, May 71
[Catheters and paraplegics. A recommendation] Ascoli R. Minerva Med 62:2538-9, 23 Jun 71 (Ita)
[Indwelling capillary puncture of the urinary bladder in acute urinary retention] Puterman NS. Vestn Khir 103:56-8, Nov 69 (Rus)

NURSING

Care in catheterization can prevent gram-negative urinary infection. Ginsberg F. Mod Hosp 115:106, Nov 70

VETERINARY

Technique for semipermanent cannulation of ureters in bovine, ovine, porcine, and canine species. Lloyd WE, et al. Am J Vet Res 32:817-21, May 71

URINARY DIVERSION (E4)

The patient has an ileal conduit. Murray BS, et al. Am J Nurs 71:1560-5, Aug 71
Pyelolileal cutaneous anastomosis for diversion in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

urinary tract tuberculosis. Mahoney EM, et al. Am J Surg 122:421-3, Sep 71
Nephrostomy in renal transplantation. Olsson CA, et al. Am J Surg 121:467-72, Apr 71
Renal function studies in patients with ureteric diversion. McCredie DA, et al. Aust NZ J Surg 33:182-4, Feb 64
Ileo-cutaneous ureterostomy in children. 1. Indications and results. Smith ED. Aust NZ J Surg 33:169-81, Feb 64
Colocystoplasty. A review fo 10 cases. Duff FA, et al. Br J Urol 42:704-13, Dec 70
The rectosigmoid bladder for urinary diversion. Ghoneim MA. Br J Urol 42:429-33, Aug 70
Uretero-ileostomy. Wallace DM. Br J Urol 42:529-34, Oct 70
Late resuls of cystoplasty in chronic tuberculous cystitis. Wesolowski S. Br J Urol 42:697-703, Dec 70
Mucosal morphology and bacterial flora of ileal conduits. Gracey M, et al. Invest Urol 8:596-603, May 71
Trans-anal colostomy with the rectosigmoid bladder. Safwat M, et al. J Egypt Med Assoc 52:258-73, Apr 69
Surgical correction of ureteroceles in childhood. Hendren WH, et al. J Pediatr Surg 6:235-44, Jun 71
Conjoined end-to-end uretero-intestinal anastomosis. Albert DJ, et al. J Urol 105:201-4, Feb 71
Experiences with the ureterocolonic anastomosis after Mathisen. Bakker NJ, et al. J Urol 104:824-30, Dec 70
The cutaneous vesicostomy reappraised. Brady TW, et al. J Urol 105:81-4, Jan 71
Urinary diversion by anterior transposition of the urethra. Dorsey JW. J Urol 105:725-8, May 71
Bilateral ureteroureterostomy after ileal conduit diversion. Dretler SP, et al. J Urol 105:365-7, Mar 71
Further clinical experience with intestinal segments for urinary diversion. Ellis LR, et al. J Urol 105:354-7, Mar 71
Pre-school urinary tract diversion for children with neurogenic bladder from myelomeningocele. Ferguson DE, et al. J Urol 105:133-6, Jan 71
Cutaneous ureterostomy: an alternative urinary diversion. Flinn RA, et al. J Urol 105:358-64, Mar 71
Further attempts at internal urinary diversion: an experimental study. Gangal MP, et al. J Urol 104:684-6, Nov 70
Ileal loop cutaneous urinary diversion: a critical review. Harbach LB, et al. J Urol 105:511-4, Apr 71
Temporary urinary diversion by ileal conduit. Hodges CV, et al. J Urol 105:196-200, Feb 71
Urinary diversion for neurogenic bladder: use of retroperitoneal ileal loop. Insoft J, et al. J Urol 105:211-3, Feb 71
Cutaneous vesicostomy: 10-year survey. Lapides J, et al. J Urol 105:76-80, Jan 71
Cutaneous vesicostomy for temporary urinary diversion in infants. Lytton B, et al. J Urol 105:888-91, Jun 71
Ileal conduit urinary diversion in children. Malek RS, et al. J Urol 105:892-900, Jun 71
Differences in the bacteriology of intestinal loop urinary diversions. Needham RN, et al. J Urol 104:831-3, Dec 70
Trigonal-ileal anastomosis: animal studies and preliminary clinical results. Pond HS, et al. J Urol 105:654-6, May 71
Factors which contribute to or prevent sloughing of the distal ureter: an experimenatal study. Rinker JR, et al. J Urol 104:675-8, Nov 70
Stomal stenosis after cutaneous ureterostomy: etiology and management. Shafik A. J Urol 105:65-70, Jan 71
Perineal uretero-ileostomy: a technique of urinary diversion by which the patient is continent. Shafik A. J Urol 106:56-9, Jul 71
Possible renogram interpretative errors in children with ileal diversions. Silk M, et al. J Urol 106:149-50, Jul 71
An analysis of 50 skin flap cutaneous ureterostomies. Thompson IM, et al. J Urol 105:649-53, May 71
Double colon sleeve ureterosigmoidostomy. Thompson IM, et al. J Urol 105:205-8, Feb 71
Anterior urethral transposition: a modification of technique. Tyrone NO, et al. J Urol 105:729-32, May 71
Urinary appliances and stomal care. Merrill DC, et al. Minn Med 54:313-7, May 71
A step forward in stoma care. The surgeon's point of view. Todd IP. Nurs Times 67:477-8, 22 Apr 71
Urinary diversion in the parapiegic. England EJ. Proc Annu Clin Spinal Cord Inj Conf 16:183-5, 1967
The modified Gersuny procedure for urinary diversion. Atwill WH, et al. South Med J 63:1377-80, Dec 70
Ileal conduit diversion for carcinoma of the bladder. Johnson DE, et al. South Med J 63:1115-8, Oct 70
Comparison of loop cutaneous ureterostomy to terminal cutaneous ureterostomy. Hayes CW, et al. Surg Forum 21:322-3, 1970
Vesicoileosigmoidostomy in the treatment of exstrophy: re-evaluation. Hays DM, et al. Surgery 66:1103-11, Dec 69
Urinary diversion. Lapides J. Surgery 69:142-54, Jan 71
Temporary urinary diversion by ileal conduit. Hodges CV, et al. Trans Am Assoc Genitourin Surg 62:17-24, 1970
Urinary diversion: discussion of the modified Gersuny technique. Atwill WH. Va Med Mon 98:74-6 passim, Feb 71
[Use of intestine in urology] Blerk PJ van. S Afr J Surg 8:21-2, 1970 (Afr)
[Ureter implantation by using a bipartite bladder] Weijer FP van de. Ned Tijdschr Geneeskd 114:2139, 19 Dec 70 (Dut)
[The value of extra-peritonization in extended pelvic interventions] Deviesaver P. Acta Urol Belg 37:351-8, 1969 (Fre)
[Definitive urinary diversion in adults] Deviesaver P. Acta Urol Belg 39:155-292, Apr 71 (Fre)
[Mishaps after artificial rectal bladder] Quackels R. Acta Urol Belg 39:62-71, Jan 71 (Fre)
[Study of renal function with the use of the isotope nephrogram in intestinal ureterostomy] Signorelli E, et al. Acta Urol Belg 36:96-107, Jan 68 (Fre)
[Trial simplification of Bricker's operation] Benassayag E. Ann Urol (Paris) 4:265-8, Dec 70 (Fre)
[Transintestinal cutaneous ureterostomy. Analysis of 58 cases] Cukier J, et al. J Urol Nephrol (Paris) 77:565-78, Jul-Aug 71 (Fre)
[Cysto-intestinoplasty for neurogenic bladder caused by diskal hernia] Henriet R, et al. J Urol Nephrol (Paris) 76:764-6, Jul-Aug 70 (Fre)
[Is reconstruction of the ureter by sero-serous suture of the intestine justified?] Novak R. J Urol Nephrol (Paris) 77:621-5, Jul-Aug 71 (Fre)
[Ureterolleoplasty. Urologic and renal consequences. Experimental study in 13 dogs] Sarramon JP, et al. J Urol Nephrol (Paris) 77:579-93, Jul-Aug 71 (Fre)
[Various methods of urinary diversion in children] Bruexiere J. Maroc Med 50:604-17, Oct 70 (Fre)
[Transuretero-ureterostomy] Béland G. Union Med Can 98:1514-6, Sep 69 (Fre)
[Experiences with ureterosigmoidostomy] Hochberg K, et al. Langenbecks Arch Chir 321:140-8, 1968 (Ger)
[Problem of artificial urinary diversion] Morger R, et al. Praxis 59:11-4, 6 Jan 70 (Ger)
[Transuretero-ureterostomy with cutaneous ureteral fistula of Bricker-bladder?] Strohmenger P. Urologe 9:253-8, Sep 70 (Ger)
[Conditioning and urinary diversion in kidney transplantation] Vahlensieck W, et al. Urologe 10:10-4, Jan 71 (Ger)
[Surgical experiences with a modified ureterosigmoidostomy. (Evaluation of 152 surgical treatments)] Warbosch G, et al. Urologe 10:107-10, May 71 (Ger)
[Surgical therapy of injuries after obstetric-gynecologic intervention] Schmitz W, et al. Z Urol Nephrol 63:657-68, Sep 70 (Ger)
[Radiographic and roentgencinematographic study of ureterocystoneostomized patients] Roversi R, et al. Ann Radiol Diagn (Bologna) 42:552-67, Sep 69 (Ita)
[On malignant obstructive uremia] Sesenna R, et al. Arch Ital Urol Nefrol 43:7-16, 1970 (Ita)
[Ileal bladder: urinary elimination and recirculation of radioactive tracers. Interpretative model] Alberti C, et al. Minerva Urol 23:1-3, Jan-Feb 71 (Ita)
[Experimental enterocystoplasty: correlations between hemostasis and some functional indices of the neobladder. Preliminary report] Alberti C, et al. Minerva Urol 23:4-13, Jan-Feb 71 (Ita)
[Ileocystoplasty in non-tuberculous retraction of the bladder] Banchieri FR, et al. Minerva Urol 23:41-5, Jan-Feb 71 (Ita)
[Uteroplasty with a bladder graft according to the Casati-Boari method] Migliardi L. Minerva Urol 21:13-5, Jan-Feb 69 (Ita)
[The use of the intestine in the surgical treatment of uro-genital fistulas] Sorrentino F. Osp Ital Chir 22:49-63, Jan 70 (Ita)
[Histochemical changes in the rectal mucosa after ureterosigmoidostomy] Sommo G, et al. Pathologica 59:447-50, Nov-Dec 67 (Ita)
[The mechanism of the transport of urine after the urinary diversion to ileal conduit] Yamauchi T. Acta Urol Jap 17:376-93, Jun 71 (Jap)
[Indication of nephrostomy and ureterostomy for cases of intrapelvic carcinomas: with special reference to observations on critical preoperative evaluation] Fujita K, et al. Jap J Urol 62:58-63, Jan 71 (Jap)
[Percutaneous ureterostomy] Sato S. Surg Ther (Osaka) 24:147-55, Feb 71 (Jap)
[Bladder exstrophy. Urological aspects] Sommerschild HC, et al. Tidsskr Nor Laegeforen 91:436-9, 28 Feb 71 (Nor)
[Urinary diversion in cases of ureteral injury during gynecologic operations] Wesolowski S. Ginekol Pol 42:225-38, 1971 (Pol)
[New rectal bladder] Netto JM, et al. Resen Clin Cient 39:187-9, Jul-Aug 70 (Por)
[Ways to improve the results of ureterosigmoidostomy] Polianichko MF. Klin Khir 7:22-5, Jul 70 (Rus)
[Bladder substitution: indications] Fernando Wadskier L. Rev Venez Urol 22:1-36, Jan-Jun 70 (83 ref.) (Spa)
[Present technic after 20 years' use of the urethrotomia-internal-method in stricture treatment] Helmstein K. Nord Med 86:881, 22 Jul 71 (Swe)

ADVERSE EFFECTS

Muscle water and electrolytes after ureterocolic anastomosis. Graham JA. Br J Urol 42:563-8, Oct 70
Complications of ileal conduit urinary diversion. Parisi R. Br J Urol 42:740, Dec 70
The defunctioned neurogenic bladder: a clinical study. Eckstein HB, et al. Dev Med Child Neurol [Suppl] 22:Suppl 22:46+, 1970
Carcinoma of the colon following ureterosigmoidostomy: report of a case. Oetjen LH Jr, et al. J Urol 104:536-7, Oct 70

INSTRUMENTATION

Favorable experience with silicone circle ureterostomy tube diversion. Lyon ES, et al. J Urol 104:821-3, Dec 70

NURSING

The work of the nurse--stoma therapist. Saunders B. Nurs Times 67:478-81, 22 Apr 71

URINARY FISTULA (C6)

[A case of uretero-duodenal fistula] Deviesaver P. Acta Urol Belg 37:431-3, 1969 (Fre)
[A case of sigmoido-urethral fistula] Schulman CC. Acta Urol Belg 37:428-30, 1969 (Fre)

COMPLICATIONS

Renal arteriovenous fistula as a cause of hypertension. McAlhany JC Jr, et al. Am J Surg 122:117-20, Jul 71
[Giant acuminate condyloma: Buschke-Lowenstein disease] Thivolet J, et al. Bull Soc Fr Dermatol Syphiligr 76:367-9, 1969 (Fre)
[Carcinoma arising from urinary fistula on the perineum: report of an autopsy case] Tokuhara M. Acta Urol Jap 16:593-9, Oct 70 (Jap)

CONGENITAL

Case report of a congenital urethro-vaso-cutaneous fistula. Hawtrey CE. J Urol 104:555-6, Oct 70
[Lympho-pyelic communication with chyluria. Favorable dietetic treatment] Vandevenne A, et al. Ann Med Interne (Paris) 121:367-74, Mar 70 (Fre)

ETIOLOGY

Uretero-ileal fistula due to Crohn's disease. Blumgart LH, et al. Br J Surg 58:469-70, Jun 71
Giant condyloma of the penis. McCarron DL, et al. J Urol 104:730-3, Nov 70
Aorto-renal bypass complicated by ureteral fistula. Rhame RC. J Urol 105:628-30, May 71
Delayed ureteral fistula from high velocity missiles: report of 3 cases. Rohner TJ Jr. J Urol 105:63-4, Jan 71
Experimental study of the development of a ureteral fistula following surgical trauma. Pagano F, et al. Urol Int 25:342-52, 1970
[Bilateral uretero-vaginal fistulae after radical hysterectomy. Apropos of 2 cases treated by vesical bipartition] Boccon-Gibod L, et al. J Urol Nephrol (Paris) 77:649-52, Jul-Aug 71 (Fre)
[Caudal ureteral diverticulum fistulizing into to uterine cervix] Guillemin P. J Urol Nephrol (Paris) 76:954-7, Oct-Nov 70 (Fre)
[Reno-vasal (pyelo-caval) fistula as a rare complication of a transrenal pyelostomy (nephrostomy)] Iwig M. Z Urol Nephrol 62:561-71, 1969 (Ger)
[Renocolic fistulae] Battarra P, et al. Osp Ital Chir 20:273-80, Mar 69 (Ita)
[Urethral fistulas in patients with spinal cord injuries] Bernstein-Hahn L, et al. Rev Argent Urol Nefrol 39:44-50, Jan-Jun 70 (Spa)

PATHOLOGY

Tuberculous urethral fistula. Chambers RM. Br J Urol 43:243-8, Apr 71

RADIOGRAPHY

Ureterouterine fistula after cesarean section. Diagnostic procedures. el-Mahgoub S, et al. Am J Obstet Gynecol 110:881-2, 15 Jul 71
[Unusual images in lymphography of the lower extremities] Gros C, et al. J Radiol Electrol Med Nucl 50:937-9, Dec 69 (Fre)
[A case of renoduodenal fistula] Zhmud' LB, et al. Vestn Rentgenol Radiol 45:90-1, May-Jun 70 (Rus)
[Localization of uretero-vaginal fistula] Marton I, et al. Rozhl Chir 50:370-4, Jul 71 (Slo)

SURGERY

Ureterovaginal fistula. Lee RA, et al. Am J Obstet Gynecol 109:1032-5, 1 Apr 71
Nephrostomy in renal transplantation. Olsson CA, et al. Am J Surg 121:467-72, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Reconstructive surgery of the anterior urethra. Meulen JC van der. Br J Plast Surg 23:291-8, Jul 70
Repair of the recurrent fistula of the penile urethra. Malament M.
Proc Annu Clin Spinal Cord Inj Conf 16:163-8, 1967
[Indication for Boari's surgery] Amsler E.
Helv Chir Acta 37:481-8, Aug 70 (Fre)
[Surgical closure of an urethral defect with a double skin flap] Berténył C, et al.
Z Urol Nephrol 62:333-5, 1969 (Ger)
[Operative urologic management of ureteral injuries after obstetric-gynecologic intervention and radiation] Lenz P, et al.
Z Urol Nephrol 63:423-9, Jun 70 (Ger)
[Vesico- and urethrovaginal fistulas after obstetric-gynecologic operations and radiation] Meridies R, et al.
Z Urol Nephrol 63:405-10, Jun 70 (Ger)
[Uteroplasty with a bladder graft according to the Casati-Boari method] Migliardi L.
Minerva Urol 21:13-5, Jan-Feb 69 (Ita)
[The use of the intestine in the surgical treatment of uro-genital fistulas] Sorrentino F.
Osp Ital Chir 22:49-63, Jan 70 (Ita)
[Treatment of uretero-vaginal fistulas based on our own observations] Szkodny A, et al.
Pol Przegl Chir 43:Suppl 2a:365+, Feb 71 (Pol)
[2-stage closure of high intestinal fistula associated with large intestinal and urinary fistula] Terent'ev VA. Vestn Khir 103:127-9, Nov 69 (Rus)
Experience in the treatment of urovaginal fistulae in the Colonia Hospital] Fernández del Castillo C, et al.
Ginecol Obstet Mex 28:525-37, Nov 70 (Spa)

URINARY INCONTINENCE (C6)

Incontinence. Shuttleworth KE.
Br Med J 4:727-9, 19 Dec 70
Hospital trials of incontinence underpads. Henderson DJ, et al. Nurs Times 67:141-3, 4 Feb 71
[Urinary incontinence in women. Diagnostic and therapeutic possibilities] Scholtes G.
Med Welt 27:1113-8, 10 Jul 71 (Ger)
[Female urinary incontinence] Käser O.
Praxis 60:948-51, 13 Jul 71 (Ger)
[Syndroma Youssef] Krznar B, et al.
Zentralbl Gynaekol 92:812-6, 20 Jun 70 (Ger)

CHEMICALLY INDUCED

Urinary incontinence associated with thioridazine administration. Ananth JV, et al.
Can Med Assoc J 104:326 passim, 20 Feb 71

COMPLICATIONS

Arterial hypertension in children with spina bifida cystica and urinary incontinence. Lorger J, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:101+, 1970

DIAGNOSIS

[Simultaneous manometry in the urinary bladder and urethra for the diagnosis of urinary incontinence] Heidenreich J, et al.
Arch Gynaekol 211:325-8, 4 Jun 71 (Ger)
[Sphincterometry in urinary incontinence] Gallo D.
Ginecol Obstet Mex 26:733-5, Dec 69 (Spa)

ETIOLOGY

Post-prostatectomy incontinence. Roberts DI.
Br J Urol 42:744-5, Dec 70
Post-prostatectomy urinary incontinence. Bierk PJ van. S Afr J Surg 8:33-9, 1970
[Urinary incontinence due to vaginal outlet of a sclero-atrophic kidney; value of vaginography] Fournier A, et al. J Sci Med Lille 87:253-8, Mar 69 (Fre)
[What can be hidden behind urinary incontinence in meningomyelocele. 5. cases] Viville C, et al.
Presse Med 78:1883-6, 17 Oct 70 (Fre)
[Wide bladder neck anomaly-not only in enuretics] Lindner H. Z Urol Nephrol 62:751-9, 1969 (Ger)
[A rare case of ureteral enuresis] Stapor K, et al.
Z Urol Nephrol 63:645-7, Aug 70 (Ger)
[Urinary incontinence after prostatic adenomectomy. Report of 2 cases cured by surgical therapy] Fioccardi R. Minerva Urol 22:42-4, Mar-Apr 70 (Ita)
[Youssef's syndrome. Apropos of a case] Gerli P, et al.
Osp Ital Chir 21:427-30, Nov-Dec 69 (Ita)
[Urinary incontinence in girls caused by ectopia of the ureteral meatus] Rosenbaum S, et al.
Pediatria (Bucur) 19:541-4, Nov-Dec 70 (Rum)
[Pre-school children and hospitals] Duna M, et al.
Lakartidningen 67:4523-8, 30 Sep 70 (Swe)

PATHOLOGY

Shy-Drager syndrome. Report of an autopsied case. Thapedi IM, et al.
Neurology (Minneap) 21:26-32, Jan 71

PHYSIOPATHOLOGY

Continence and incontinence. A clinical study of the dynamics of voiding and of the sphincter mechanism. Bates CP. Ann R Coll Surg Engl 49:18-35, Jul 71
A study of micturition pressure and urine flow rate in thirty-eight incontinent patients. Alexander S, et al.
Br J Surg 57:864, Nov 70
Continuous measurement of urine loss and frequency in incontinent patients. Preliminary report. James ED, et al. Br J Urol 43:233-7, Apr 71
The "jet sign" in an incontinent female. Tripathi VN.
Br J Urol 43:343-4, Jun 71
Hydrodynamic studies on urinary incontinence in the paraplegic patients. Tsuji I, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:145-9, 1967
[Direct urethrocystometry in the study of bladder function] Jubiz A, et al.
Rev Colomb Obstet Ginecol 21:266-70, May-Jun 70 (Spa)

PREVENTION & CONTROL

Perineal uretero-ileostomy: a technique of urinary diversion by which the patient is continent. Shafik A.
J Urol 106:56-9, Jul 71
[A technical method of supporting the anterior perineal stage in restorative perineo-vaginal surgery] Dieulangard P, et al.
Rev Fr Gynecol Obstet 64:551-4, Oct 69 (Fre)

RADIOGRAPHY

Synchronous cine-pressure-flow-cysto-urethrography with special reference to stress and urge incontinence. Bates CP, et al.
Br J Urol 42:714-23, Dec 70
[X-ray studies in recurrent incontinence] Kopečný J, et al. Cesk Gynekol 36:34-5, Mar 71 (Cze)
[Radiographic studies in urinary incontinence] Hittmair A, et al.
Wien Med Wochenschr 120:503-5, 4 Jul 70 (Ger)
[Radiological sign of a full bladder in continuous involuntary emission of urine] Soares JP, et al.
Bol Inst Pueric Pediatr (Rio de J) 25:63-6, 1968-69 (Por)

SURGERY

Anesthetic management of a patient with the Shy-Drager syndrome. Cohen CA.
Anesthesiology 35:95-7, Jul 71
The treatment of total urinary incontinence. Wendel RM, et al. J Pediatr Surg 5:543-9, Oct 70
Evaluation of a procedure for correction of urinary incontinence in men. Berry JL, et al.
J Urol 105:105-6, Jan 71
Autogenous perineal bone graft for post-prostatectomy incontinence. II. Technique and results of prosthetic fixation of urogenital diaphragm in man. Hinman F Jr, et al. J Urol 104:888-92, Dec 70
Urethrovesical suspension for female urinary incontinence: refinements of INCO needle. Tauber R.
Obstet Gynecol 36:795-9, Nov 70
Management of urinary incontinence in the female. Nesbitt RE Jr, et al.
Surg Gynecol Obstet 132:588-96, Apr 71
[Timely starting of spontaneous urination after surgery of urinary incontinence in women] Gazárek F, et al. Cesk Gynekol 36:80-1, Mar 71 (Cze)
[Experience with cystocervicopexy] Colette C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:222-3, Apr-May 70 (Fre)
[Urinary incontience after adenomectomy. A new technic] Moulié P. Presse Med 79:969, 24 Apr 71 (Fre)
[Persisting urinary tract infections in a series of follow-up examinations of incontinence operations] Schmidt G, et al.
Arch Gynaekol 211:323-4, 4 Jun 71 (Ger)
[Results of operative management of genital prolapse and functional urinary incontinence] Haering M, et al.
Geburtshilfe Frauenheilkd 30:975-9, Nov 70 (Ger)
[Results of a modified Kraatz's restraining operation] Chmelik V. Z Urol Nephrol 62:717-9, 1969 (Ger)
[Functional surgery of female urinary incontinence. Diagnostic problems in relation to choice of the operation] Centaro A.
Minerva Ginecol 22:729-31, 15 Aug 70 (Ita)
[Treatment of prolapse of the genital and urinary incontinence in women by fixation of the uterus and urinary bladder with lethylan-lavsan tape] Davydov SN, et al. Akush Ginekol (Mosk) 46:63-5, Oct 70 (Rus)
[Causes of urinary incontinence in women] Shakhov EV, et al. Akush Ginekol (Mosk) 45:68, Sep 69 (Rus)

THERAPY

Electrical control of urinary incontinence: a clinical appraisal. Alexander S, et al. Br J Surg 57:766-8, Oct 70
Effective and safe control of incontinence by the intra-anal plug electrode. Glen ES.
Br J Surg 58:249-52, Apr 71
The control of incontinence of urine in women with a pubo-vaginal spring device: objective and subjective results. Edwards L. Br J Urol 43:211-25, Apr 71
Urinary incontinence in women treated by an electronic pessary. Harrison NW, et al.
Br J Urol 42:481-5, Aug 70
Investigation and treatment of resistant urinary incontinence. Edwards L, et al.
Br Med J 1:543-5, 6 Mar 71
Intra-anal electrode: a stimulus to bowel and bladder control. Glen ES. J Pediatr Surg 6:138-42, Apr 71
Pelvic faradism (detailed technique). Scott BO, et al.
Physiotherapy 57:322-5, Jul 71
Cellulose gel pads in the control of incontinence of urine in elderly women. Underwood R.
Practitioner 205:224-5, Aug 70
[Implantation of electronic stimulators for the correction of urinary incontinence (film)] Muyider C de, et al. Acta Chir Belg 68:221-5, Mar 69 (Fre)
[Urinary incontinence in males does not always constitute a disastrous condition] Ascoli R.
Acta Urol Belg 38:345-7, Jul 70 (Fre)
[Internal sphincteral stimulator in children. Preliminary note] Toudoire A, et al.
Ann Chir Infant 11:349-52, Sep-Oct 70 (Fre)
[The treatment of urinary incontinence by means of radio stimulators] Graber P.
Helv Chir Acta 37:520-4, Aug 70 (Ger)
[Diadynamic electrical current in the treatment of urinary incontinence in women] Kaliakin AA.
Vopr Kurortol Fizioter Lech Fiz Kult 35:350-2, Jul-Aug 70 (Rus)

VETERINARY

Urinary incontinence associated with congenital ureteral valves in a bitch. Pollock S, et al.
J Am Vet Med Assoc 159:332-5, 1 Aug 71

URINARY INCONTINENCE, STRESS (C6)

Stress urinary incontinence--1970. Hodgkinson CP.
Am J Obstet Gynecol 108:1141-68, 1 Dec 70 (109 ref.)
Spending a 'new penny'. Pennefather ME, et al.
Nurs Times 67:640-1, 27 May 71
[Stress urinary incontinence in women] Huguier M, et al. Cah Coll Med Hop Paris 10:503-8, 15 Jun 69 (Fre)
[Urinary incontinence in women. Diagnostic and therapeutic possibilities] Scholtes G.
Med Welt 27:1113-8, 10 Jul 71 (Ger)

DIAGNOSIS

Urinary stress incontinence. Problems in diagnosis. Lund CJ. NY State J Med 71:1937-40, 15 Aug 71
Q-tip test in stress urinary incontinence. Crystle CD, et al. Obstet Gynecol 38:313-5, Aug 71
Evaluation of stress urinary incontinence. Marchant DJ. Postgrad Med 49:192-6, Feb 71

DRUG THERAPY

[Estriol therapy for stress urinary incontinence in women] Lambillon J.
Brux Med 51:277-80, Apr 71 (Fre)
[Therapy of bladder incontinence] Hofstetter A.
Munch Med Wochenschr 113:994-5, 25 Jun 71 (Ger)

ETIOLOGY

Sacrococcygeal chordoma presenting with stress incontinence of urine. Voigt JC, et al.
S Afr Med J 45:557, 22 May 71
[A case of stress urinary incontinence in a woman] Oosterlinck W, et al.
Ann Urol (Paris) 5:33-6, Feb 71 (Fre)
[Genital prolapse and urinary incontinence. Value of pre- and postoperative urethrocystography. Trial of therapeutic indications. Apropos of 78 cases] Pontonnier A, et al.
J Urol Nephrol (Paris) 77:161-84, Mar 71 (Fre)

OCCURRENCE

[Stress urinary incontinence in women. Analysis of 300 cases] Delgado Urdapilleta J, et al.
Ginecol Obstet Mex 29:1-14, Jan 71 (Spa)

RADIOGRAPHY

Synchronous cine-pressure-flow-cysto-urethrography with special reference to stress and urge incontinence. Bates CP, et al.
Br J Urol 42:714-23, Dec 70
Colposystogram in cases of deficient pelvic floor. Lazarevski M, et al.
God Zb Med Fak Skopje 16:117-24, 1970
Foley catheter urethrography in stress incontinence. Frewen WK.
J Obstet Gynaecol Br Commonw 78:860-3, Jul 71
[Urinary stress incontinence in the female. Radiologic study] Medina Murillo JE, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rev Colomb Obstet Ginecol 21:249-63, May-Jun 70 (Spa)

SURGERY

Surgical treatment for urinary stress incontinence in women. Experience in 300 cases with 10 year follow-up. Inglesi JJ, et al.
Am J Obstet Gynecol 108:1072-6, 1 Dec 70 (9 ref.)
A form of stress incontinence in children: another method of bladder neck repair. Stephens D.
Aust NZ J Surg 40:124-9, Nov 70
Urge and stress incontinence; fact and fiction. Frewen WK. J Obstet Gynaecol Br Commonw 77:932-4, Oct 70
Urethral length in urinary stress incontinence. Mitrani A, et al.
J Obstet Gynaecol Br Commonw 78:684-6, Jul 71
Simplified operation for stress incontinence. Lapides J.
J Urol 105:262-4, Feb 71
Applied anatomy nd surgical treatment of tress incontinence. Cochrane KW.
NZ Med J 72:117-22, Aug 70
The Pereyra procedure. A favorable report of 80 operations. Backer MH Jr, et al.
Obstet Gynecol 36:225-31, Aug 71
Ball combined cystopexy. Barnett RM.
Obstet Gynecol 36:547-53, Oct 70
The role of percutaneous urethral suspension in the management of stress incontinence of urine. France LW, et al. South Med J 63:1334-6, Nov 70
Simplified operation for stress incontinence. Lapides J.
Trans Am Assoc Genitourin Surg 62:12-6, 1970
Suprapubic trocar cystostomy. Beck RC.
Trans Pac Coast Obstet Gynecol Soc 37:17-23, 1970
[Attitude ot surgical treatment of recurrent stress urinary incontinence] Láska L.
Cesk Gynekol 36:81-2, Mar 71 (Cze)
[Treatment of urinary stress incontinence in women by fascia suspension of the bladder neck accoding to the Goebell-Stoeckel technic] Aboulker P.
Ann Urol (Paris) 5:105-15, May 71 (Fre)
[Surgical treatment of urinary stress incontinence in women] Alessandrescu D.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:498-501, 1968 (Fre)
[Remote results of surgical treatment using the Franz method in cases of stress incontinence] Higier J, et al.
Ginekol Pol 41:1103-8, Oct 70 (Pol)
[Urinary stress incontinence in the female. Radiologic study] Medina Murillo JE, et al.
Rev Colomb Obstet Ginecol 21:249-63, May-Jun 70 (Spa)

THERAPY

Urinary incontinence in women treated by an electronic pessary. Harrison NW, et al.
Br J Urol 42:481-5, Aug 70
Stress incontinence and the use of implanted electronic stimulators in children. Harrison NW.
Proc R Soc Med 64:128-30, Feb 71
A non-operative method of controlling stress incontinence. Simmons SC.
Proc R Soc Med 63:1049, Oct 70
[Treatment of female stress incontinence by electric stimulator with pessary electrode] Nakaarai K, et al.
Acta Urol Jap 17:339-46, May 71 (Jap)

URINARY TRACT INFECTIONS

(C1, C6)

see also related
ANTI-INFECTIVE AGENTS, URINARY (D3)

Acute urinary tract infection in children. Smellie JM.
Br Med J 4:97-100, 10 Oct 70
Urinary infections: a selective review and some observations. Stamey TA, et al.
Calif Med 113:16-35, Dec 70 (108 ref.)
Pediatric urinary tract infections: a review. Davidson AC. Conn Med 35:17-9, Jan 71 (20 ref.)
Some current concepts of urinary tract infections. Petersdorf RG, et al. DM 1-30, Dec 70 (82 ref.)
Urinary tract infections. I. Clinical and radiological observation. Belapurkar KM, et al.
Indian Pediatr 7:442-8, Aug 70
Bacteriuria and urinary tract infection in infancy and childhood. A review. Downs AW, et al.
Nurs Res 20:131-9, Mar-Apr 71 (44 ref.)
Micturition studies in infants and children. Influence of an indwelling urethral catheter and of rectal pressure recording. Gierup J, et al.
Scand J Urol Nephrol 4:209-15, 1970
Urinary tract infection in childhood. Savage DC.
Scott Med J 16:263-72, May 71 (17 ref.)
Schistosoma mansoni of Puerto Rican origin with involvement of the urinary tract (bladder). Most H.
Trans R Soc Trop Med Hyg 65:411, 1971
[Urinary infection in infants (apropos of 111 cases)] Laplane R, et al.
Ann Med Interne (Paris) 121:205-11, Feb 70 (Fre)
[Urinary infection in children] Cibert J, et al.
Maroc Med 50:597-603, Oct 70 (Fre)
[Persisting urinary tract infections in a series of follow-up examinations of incontinence operations] Schmidt G, et al.
Arch Gynaekol 211:323-4, 4 Jun 71 (Ger)
[A new rapid method for determining the sensitivity of urinary germs to antibacterial preparations] Lopatkin NA, et al. Dtsch Gesundheitsw 25:645-9, 8 Apr 70 (Ger)
[Urinary infection in diabetics] Pedrazzi F, et al.
Acta Gerontol (Milano) 19:226-36, Oct-Dec 69 (Ita)
[The wash out test for the diagnosis of the site of infection in the urinary tract of children] Principi N, et al. Minerva Pediatr 21:2161-4, 17 Nov 69 (Ita)
[Infection of the urinary system in pregnancy and its effect on the fetus] Egorova AP, et al.
Vopr Okhr Materin Det 15:63-8, Sep 70 (Rus)
[Yeast fungus infection of the urinary tract] Schönebeck J, et al. Nord Med 85:188, 11 Feb 71 (Swe)

CHEMICALLY INDUCED

[Epidemiologic field study on urinary tract infections induced by ovulation inhibitors] Henkel W, et al.
Arch Hyg Bakteriol 154:615-9, Jul 71 (Ger)

COMPLICATIONS

Jaundice associated with bacterial infection in the newborn. Rooney JC, et al.
Am J Dis Child 122:39-41, Jul 71
Urinary tract infections presenting with jaundice. Ng SH, et al. Arch Dis Child 46:173-6, Apr 71
Ten cases of vesicoureteral reflux in young women with urinary tract infection. Burger RH.
J Urol 105:71-5, Jan 71
Isolated neurogenic dysfunction of the bladder in children with urinary tract infection. Kamhi B, et al.
J Urol 106:151-3, Jul 71
Familial vesicoureteral reflux. Mulcahy JJ, et al.
J Urol 104:762-4, Nov 70
Allergy and urinary infections: is there an association? Harrison A. Pediatrics 48:166, Jul 71
Incidence of renal bacteriuria in the presence of long standing bladder infections. Stovall CW, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:172-6, 1967
[Epididymitis in children] Haahr J, et al.
Nord Med 85:91, 21 Jan 71 (Dan)
[Urinary tract malformations in children with urinary tract infections] Haahr J.
Nord Med 85:281-5, 4 Mar 71 (Dan)
[Urinary tract malformations in children with urinary tract infections] Haahr J.
Nord Med 85:810, 1 Jul 71 (Dan)
[Recurrent urinary infections and vesico-ureteral reflux] Holm-Nielsen P.
Nord Med 85:286, 4 Mar 71 (Dan)
[Osteomyelitis of the spine-complication of urinary tract infections] Andersen MJ, et al.
Ugeskr Laeger 133:191-5, 5 Feb 71 (Dan)
[Urinary infection and congenital adrenal hyperplasia: 14 cases] David M, et al.
Ann Pediatr (Paris) 17:111-25, 2 Feb 70 (Fre)
[Primary phosphatic lithiasis in adult woman with urinary proteus infection] Aboulker P, et al.
Ann Urol (Paris) 5:1-5, Feb 71 (Fre)
[A possible cause of neonatal icterus: gravidic urinary infection. Theoretical and statistical arguments] Zurlinden B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:327-9, Jun-Aug 70 (Fre)
[Reflux, infection and pyelonephritis in children] Mollard P, et al. Maroc Med 50:619-24, Oct 70 (Fre)
[Sequelae of imflammatory urinary tract diseases during pregnancy] Friedberg V, et al.
Geburtshilfe Frauenheilkd 31:1-10, Jan 71 (Ger)
[Organic causes of enuresis] Mildenberger H.
Med Welt 7:255-8, 13 Feb 71 (Ger)
[Septicemia in a department of urology] Evard JP.
Urologe 10:161-5, Jul 71 (Ger)
[Asymptomatic bacteriuria in pregnancy] Herboid H, et al. Z Geburtshilfe Gynaekol 174:1-8, 1971 (Ger)
[Correlation between urinary tract infection and pregnancy toxemias] Fischer W, et al.
Zentralbl Gynaekol 92:1326-33, 10 Oct 70 (Ger)
[Urinary infections and renal insufficiency. Incidence of gentamicin sensitive strains and therapeutic results] Ancona G, et al.
G Ital Chemioter 16:99-104, Jan-Sep 69 (Ita)
[The clinical studies of markedly infected high-degree hydronephrosis] Sugiura H.
Jap J Urol 62:64-77, Jan 71 (Jap)
[A clinical study on urinary tract infection: acute cystitis and the upper urinary tract] Suzuki M.
Jap J Urol 61:1076-87, Nov 70 (Jap)
[Urinary tract infections and urine flow disturbances in infants] Gietko M, et al.
Pediatr Pol 46:749-54, Jun 71 (Pol)
[Urinary tract infections in diabetic patients. 3. Renal medullary necrosis] Vaisman I, et al.
Arq Bras Endocrinol Metabol 18:251-6, Dec 69 (Por)
[The secondary nephrotic syndrome in children] Petrușca A, et al.
Pediatria (Bucur) 19:423-32, Sep-Oct 70 (Rum)
[Circulation of polysynthetic broad spectrum penicillins in patients with urolithiasis] Marshak AM, et al. Antibiotiki 15:740-3, Aug 70 (Rus)

DIAGNOSIS

Office bacteriology. Denis LJ, et al.
Acta Urol Belg 38:534-8, 1970
A follow-up study of bacteriuria in female patients treated for recurrent urinary tract infections using dip-slides. Parkkulainen KV, et al.
Ann Clin Res 3:163-7, Jun 71
Failure of urinary beta-glucuronidase activity to localize the site of urinary tract infection. Ronald AR, et al. Appl Microbiol 21:990-2, Jun 71
White cells and bacteria in voided urine of healthy newborns. Littlewood JM.
Arch Dis Child 46:167-72, Apr 71
Bladder aspiration in diagnosis of urinary tract infection. Sharma SK. Arch Dis Child 45:813-4, Dec 70
The localisation of urinary tract infection by ureteric catheterisation. Vinnicombe J, et al.
Br J Urol 43:39-46, Feb 71
Infections of the urinary tract. I. Diagnosis. Wing AJ.
Br Med J 3:753-5, 26 Sep 70
Urinary tract infection presenting as jaundice.
Br Med J 3:546-7, 4 Sep 71
Localization of urinary tract infection. Brumfitt W.
Del Med J 42:313-23, Nov 70
Proper urine culture techniques in infants and children. Lines DR. Del Med J 42:324-6, Nov 70
Dip-inoculum urine culture.
Drug Ther Bull 9:17-8, 26 Feb 71
Radionuclide scanning complementing high dose urography in children. Lefcoe MS, et al.
J Can Assoc Radiol 21:266-9, Dec 70
Screening tests for urinary tract infection. Muangman V, et al. J Med Assoc Thai 54:251-4, Apr 71
Low urinary glucose concentration: a reliable index of urinary tract infection. Matsaniotis N, et al.
J Pediatr 78:851-8, May 71
Attempts at localization of urinary tract infection. Deasy PF, et al. J Pediatr Surg 5:628-32, Dec 70
Positive urine cultures in pediatric medicine: significance and evaluation. Levi DE, et al.
J Urol 104:944-6, Dec 70
Urinary bacterial culture, stained sediment examination and drug disk sensitivity testing in the office: a study of their usefulness and reliability in the diagnosis and treatment of urinary tract infection. McLin PH, et al. J Urol 106:102-5, Jul 71
Urinary tract infection in children: a retrospective study. Segura JW, et al. J Urol 105:591-4, Apr 71
Urinary infection and bacterial excretion-rates in urine. Bailey RR, et al. Lancet 1:187-8, 23 Jan 71
Site of infection in acute urinary-tract infection in general practice. Fairley KF, et al.
Lancet 2:615-8, 18 Sep 71
Bacterial excretion-rates in the diagnosis of urinary-tract infections. Lampert I, et al.
Lancet 1:51-2, 9 Jan 71
Screening for kidney and urinary tract disease. Schlegel JU.
Proc Med Sect Am Life Conv 58:23-34, 11 Jun 70
Simplified catalase test for the detection of urinary infections. Căruntu F.
Rom Med Rev 14:74-7, Oct-Dec 70
An evaluation of midstream urine cultures in the diagnosis of urinary tract infections in females. Pfau A, et al. Urol Int 25:326-41, 1970
[Diagnosis of urinary tract infection. Experiences from general practice of a dip-slide method (Inculator) for the detection of bacteriuria] Braae M, et al.
Ugeskr Laeger 133:555-7, 26 Mar 71 (Dan)
[Bacteriuria and urinary infection] Denis F, et al.
Bord Med 3:2073-82, Sep 70 (Fre)
[Bacteriological examination of the urine in pregnant women] Pigeaud H, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:439-40, 1968 (Fre)
[Bladder lavage in children; method of differential diagnosis of upper and lower urinary tract infections] Girardet P, et al.
Helv Paediatr Acta 25:475-81, Nov 70 (Fre)
[Urinary infection and pyelonephritis in diabetics] Fabre J, et al.
Schweiz Med Wochenschr 101:217-23, 20 Feb 71 (Fre)
[Effectiveness of a new method of detecting urinary infection] Mongeau JG, et al.
Union Med Can 100:1148-9, Jun 71 (Fre)
[Follow-up studies on 235 children with urinary tract infections] Breunung M, et al.
Dtsch Gesundheitsw 25:312-7, 20 Feb 70 (Ger)
[Critical examinations on the differential diagnostic value of Griess test and TTC-test in comparison with a simplified bacteriological proof of clinically significant bacteriurias] Gernand K, et al.
Dtsch Gesundheitsw 25:754-9, 23 Apr 70 (Ger)
[Triphenyltetrazoliumchloride test and its usefulness within the system of screening tests in urinary tract infections] Kleinbaum H.
Dtsch Gesundheitsw 25:2060-2, 29 Oct 70 (Ger)
[A transportation media for the semiquantitative strain determination in the urine] Wachtel D.
Dtsch Gesundheitsw 25:759-63, 23 Apr 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Pregnancy-induced changes in the urinary ways. Observations on the reply of H. Kremling to our paper, see this journal, 29(1969), p. 278] Fochem K, et al. Geburtshilfe Frauenheilkd 30:1094-7, Dec 70 (Ger)
[Experience with the routine simultaneous bacteria and leukocyte count in the urine of children] Krepler P. Kinderaerztl Prax 37:239-45, Jun 69 (Ger)
[Symptomatology of urinary tract infections in childhood. Statistical clinical analysis of disease course in 915 cases] Breunung M. Med Klin 65:1647-55, 18 Sep 70 (Ger)
[Comparative studies on the value of Uricult-procedure in the diagnosis of urinary tract infections] Fuchs T, et al. Med Welt 18:735-40, 1 May 71 (Ger)
[Diagnosis of an urinary tract infection] Blumberg A. Praxis 59:1379-80, 6 Oct 70 (Ger)
[Urinary tract infections in pediatric practice] Kind C. Ther Umsch 27:435-9, Jul 70 (Ger)
[A diagnostic problem "urinary tract infection". A simple technic in rationalization of the urologic diagnosis] Brühl P, et al. Urologe 8:333-5, Nov-Dec 69 (Ger)
[Studies on the suitability of 2 bacterioscopic methods for demonstration of infection-indicating urinary bacteria counts] Rotter M, et al. Wien Klin Wochenschr 82:787-93, 30 Oct 70 (Ger)
[The significance of trichomoniasis in the diagnosis and treatment of inflammatory processes of the excretory urinary tract] Thimm R. Z Aerztl Fortbild (Jena) 64:642-3, 15 Jun 70 (Ger)
[Cultures of midstream urine in the diagnosis of urinary tract infection in wome] Pfau A, et al. Harefuah 79:170-4, 16 Aug 70 (Heb)
[New method of evaluation of the bacterial count agar culture (dip-slide) as a screening test for symptomatic and asymptomatic bacteriuria] Ferrario I, et al. Minerva Pediatr 22:1152-6, 9 Jun 70 (Ita)
[Practical considerations on infections of the urinary tract in children] Giovannelli G. Minerva Pediatr 22:1433-5, 14 Jul 70 (Ita)
[Bacteriological diagnosis of urinary tract infections. Dispatching of urine samples] Tidsskr Nor Laegeforen 91:990, 10 May 71 (Nor)
[Diagnosis of asymptomatic urinary tract infections in children] Wartenberg J, et al. Pediatr Pol 46:483-6, Apr 71 (Pol)
[Evaluation of the usefulness of the usefulness of the Griess test with Sleigh's modification in the diagnosis of bacterial urinary tract infections] Hebanowski M, et al. Pol Tyg Lek 25:1290-1, 24 Aug 70 (Pol)
[Urinary bacterial levels and urinary leukocyte count and Gram bacterioscopy as indices of infection in normal students of both sexes] Pabst PA, et al. Hospital (Rio de J) 78:477-90, Aug 70 (Por)
[Detection of antimicrobial substances in urine simultaneously with quantitative uroculture] Antonescu M, et al. Rev Med Chir Soc Med Nat Iasi 75:455-60, Apr-Jun 71 (Rum)
[The alizarin tests in children] Anttila R, et al. Nord Med 84:1452-5, 12 Nov 70 (Swe)
[Radioisotope diagnostics in pediatric nephrology] Dubnićková H, et al. Cesk Pediatr 25:581-4, Dec 70 (Slo)

DRUG THERAPY

Experimental spheroplast infections in the urinary tract treated with metacycline. Gnarpe H. Acta Pathol Microbiol Scand [B] 78:271-2, 1970
Clinical and laboratory evaluation of cephalexin in urinary-tract infections. Acar JF, et al. Antimicrob Agents Chemother 9:398-404, 1969
Efficacy of phosphonomycin in treatment of urinary-tract infections. Barnett JA, et al. Antimicrob Agents Chemother 9:349-51, 1969
Preliminary clinical trials with phosphonomycin. Holloway WJ, et al. Antimicrob Agents Chemother 9:327-31, 1969
Therapy with combinations of penicillin analogues in urinary-tract infections. Riff L, et al. Antimicrob Agents Chemother 9:405-9, 1969
Respiratory arrest in myasthenia gravis with colistimethate therapy. Decker DA, et al. Arch Neurol 25:141-4, Aug 71
Clinicolaboratory evaluation of cephalexin, a new oral cephalosporin. Daikos GK, et al. Br J Clin Pract 24:379-86, Sep 70
The use of cephalexin monohydrate in chronic bacteriuria and acute urinary tract infection. Smith EK, et al. Br J Urol 42:522-8, Oct 70
Comparative double-blind trial of cephalexin and ampicillin in treatment of urinary infections. Davies JA, et al. Br Med J 3:215-7, 24 Jul 71
5-fluorocytosine and urinary candidiasis. Davies RR, et al. Br Med J 1:577-9, 13 Mar 71
Infections of the urinary tract. II. Management. Wing AJ. Br Med J 4:35-8, 3 Oct 70
Clinical evaluation of cephalexin in the treatment of urinary tract infections. Eyckmans L. Chemotherapy 15:322-30, 1970
Human pharmacology and clinical evaluation of an oral carbenicillin preparation. Bran JL, et al. Clin Pharmacol Ther 12:525-30, May-Jun 71
Cephaloglycin dihydrate (Kafocin). Clin Pharmacol Ther 11:925-6, Nov-Dec 70
Incidence of diarrhea in the treatment of genitourinary tract infections with ampicillin. Horrax TM. Conn Med 35:301-4, May 71
The treatment of urinary tract infections with sulfacytine, a new soluble sulfonamide. Moffat NA, et al. Curr Ther Res 13:286-91, May 71
Ancillary use of phenazopyridine (Pyridium) in urinary tract infections. Trickett PC. Curr Ther Res 12:441-5, Jul 70
Oxolinic acid therapy of recurrent urinary tract infections. Cox CE. Del Med J 42:327-32 passim, Nov 70
Cephalexin in the treatment of urinary tract infections. Hogan LB. Del Med J 42:338-40, Nov 70
Minocycline in the treatment of urinary tract infections. Holloway WJ. Del Med J 42:333-7, Nov 70
A scheme for dose regulation of gentamicin in renal failure. Gingell JC. G Ital Chemioter 16:90-2, Jan-Sep 69
Treatment of urinary tract infections. Open comparative trial. Bernstein-Hahn L, et al. Int Surg 56:8-12, Jul 71
Effect of carbenicillin, gentamicin, and their combination on experimental Pseudomonas aeruginosa urinary tract infection. Kondíková L, et al. J Clin Pathol 24:113-6, Mar 71
The treatment of genitourinary tract infections with large doses of intravenous sodium ampicillin. Ozog LS, et al. J La State Med Soc 123:282-5, Aug 71
Clinical effectiveness of intramuscular sodium nitrofurantoin against urinary tract infections. Cox CE, et al. J Urol 105:113-8, Jan 71
Atabrine as an adjuvant in chemotherapy of urinary tract infections. Eshleman JL, et al. J Urol 104:902-7, Dec 70
Bacteriologic and pharmacodynamic aspects of nalidixic acid. Harrison LH, et al. J Urol 104:903-13, Dec 70
Demethylchlortetracycline in the management of urologic infections. Hoffman WW. J Urol 104:578-80, Oct 70
Oxolinic acid, a new chemotherapeutic agent in the treatment of urinary tract infection. Madsen PO, et al. J Urol 105:870-2, Jun 71
A urological evaluation of cephalexin. Wise HA 2d, et al. J Urol 105:440-4, Mar 71
Antibiotic usage in urinary tract infections. Rosenthal MG. JAMA 214:1121-2, 9 Nov 70
Erythromycin and alkalinisation of urine in the treatment of urinary-tract infections due to gram-negative bacilli. Zinner SH, et al. Lancet 1:1267-8, 19 Jun 71
Erythromycin and alkalinisation of the urine in the treatment of urinary-tract infections due to gram-negative bacilli. Zinner SH, et al. Lancet 1:1267-8, 19 Jun 71
Gentamicin. Cox CE. Med Clin North Am 54:1305-15, Sep 70 (31 ref.)
The polymyxins. Hooprich PD. Med Clin North Am 54:1257-65, Sep 70 (18 ref.)
The use of sulfonamides in urinary tract infection. Pryles CV. Med Clin North Am 54:1077-80, Sep 70
Nalidixic acid in acute and chronic urinary tract infections. Zinsser HH. Med Clin North Am 54:1347-50, Sep 70 (12 ref.)
The antibiotic sensitivity of 100 isolates of Escherichia coli, with special reference to the domiciliary treatment of urinary tract infections. Anderson K. Med J Aust 2:409-11, 29 Aug 70
The use of trimethoprim and sulphamethoxazole in the management of chronic and recurrent upper and lower urinary tract infection. Nanra RS, et al. Med J Aust 1:25-7, 2 Jan 71
Sulphamethoxazole-trimethoprim in infancy. Roy LP. Med J Aust 1:148-50, 16 Jan 71
Cephalaglycin (Kafocin). Med Lett Drugs Ther 12:81-2, 2 Oct 70
Carbenicillin. Med Lett Drugs Ther 12:41-2, 15 May 70
Cephalexin (Keflex). Med Lett Drugs Ther 13:25-6, 2 Apr 71
Obvious seizures from carbenicillin. Blum P, et al. Minn Med 54:897-9, Sep 71
Recent developments in the treatment of infectious diseases. I. Management of urinary tract infections. Marr JJ. Mo Med 68:241-6, Apr 71
Clinical trial of epicillin in infections of urinary tract. Woodruff MW, et al. NY State J Med 71:1067-8, 15 May 71
Oxolinic acid treatment of urinary tract infections. Lampe WT 2d. Pa Med 74:59-62, Jul 71
The salvage of kidney function. Talbot HS. Paraplegia 8:199-207, Nov 70
The use of cephalosporins in the treatment of urinary tract infections in adults due to Gram-negative organisms. Acar JF. Postgrad Med J 47:Suppl:103-7, Feb 71
The treatment of urinary infection by means of a single dose of cephaloridine. Brumfitt W, et al. Postgrad Med J Suppl:65-9, Oct 70
Use of cephalexin for the initial treatment of patients with persistent or recurrent urinary tract infections. Charlton CA, et al. Postgrad Med J Suppl:30-2, Oct 70
Cephalosporin therapy of urinary tract infections. Cox CE, et al. Postgrad Med J 47:Suppl:107-18, Feb 71
Cephalexin in recurrent urinary tract infection. Fairley KF. Postgrad Med J Suppl:24-7, Oct 70
Cephalexin in chronic and recurrent urinary infections: laboratory and clinical studies. Guttmann D. Postgrad Med J Suppl:75-9, Oct 70
The rate of action of cephalexin. Heale WF, et al. Postgrad Med J Suppl:144-6, Oct 70
Clinical evaluation of cephalexin in urinary tract infection. Kawamura J. Postgrad Med J Suppl:28-30, Oct 70
The place of cephalexin in general medicine. Walker AN, et al. Postgrad Med J Suppl:146-9, Oct 70
Cephalexin--a new oral antibiotic. Bailey A, et al. Practitioner 205:791-5, Dec 70
Efficacy of cephalexin in common infections in general practice. Practitioner 205:815-8, Dec 70
Cephalexin monohydrate in the treatment of urinary tract infections and urethritis. Rocha H, et al. Prensa Med Mex 56-60, Sep-Oct 70
Activity of tetracyclines, nalidixic acids, and nitrofurantoin in two experimental models of Escherichia coli urinary tract disease in rats. English AR. Proc Soc Exp Biol Med 136:1094-6, Apr 71
Clinical trials of hycanthone (etrenol) in urinary tract bilharziasis. Rubidge CJ, et al. S Afr Med J 44:1246, 31 Oct 70
Extended therapy in patients with established urinary tract infection. Lawson DH, et al. Scott Med J 16:169-72, Mar 71
Treatment of chronic urinary salmonella carriers. Bassily S, et al. Trans R Soc Trop Med Hyg 64:723-9, 1970
[Possibility of influencing the antibacterial effect of erythromycin by changes of urinary pH in experimental E. coli infections of the urinary tract] Prát V, et al. Cas Lek Cesk 110:481-5, 1971 (Cze)
[Various clinical and experimental problems in the therapy of urinary tract infections] Prát V, et al. Cas Lek Cesk 109:915-22, Sep 70 (Cze)
[The use of a combination of trimethoprim and sulphamethoxazole in the treatment of urinary tract infections] Kasanen A, et al. Duodecim 86:1104-10, 1970 (Fin)
[Sulfamethoxypyrazine in urologic practice. Clinical and pharmacological study] Denis L, et al. Acta Urol Belg 37:407-12, 1969 (Fre)
[Clinical study of the sulfamethoxazole-trimethoprim combination in urology] Rager J. Acta Urol Belg 37:399-406, 1969 (Fre)
[Use of kanamycin-penicillin combination in urology] Socquet Y. Acta Urol Belg 37:380-98, 1969 (Fre)
[Kanacillin in urology. Clinical study] Vereecken RL, et al. Acta Urol Belg 37:363-79, 1969 (Fre)
[Infection and urinary surgery] Schulman CC. Brux Med 50:521-3, Aug 70 (Fre)
[Colimycin in urology (112 cases)] Schillito R, et al. J Urol Nephrol (Paris) 76:759-60, Jul-Aug 70 (Fre)
[Phosphatic lithiasis. Dissolution. Uninterrupted anti-infective therapy and permanent diuresis treatment. 1st results] Thomas J, et al. J Urol Nephrol (Paris) 76:816-23, Sep 70 (Fre)
[Value of combined tetracycline-oleandomycin injectable intramuscularly in treatment of urogenital infections] Mazeman E. Lille Med Suppl 5:810-5, Aug-Sep 69 (Fre)
[Azocline treatment of urinary infections caused by common germs, in a present-day urological practice] Archimbaud JP, et al. Lyon Med 220:1297-306, 17 Nov 68 (Fre)
[Evolution of the level of fluorescent antibodies in 58 cases of intestinal and urinary bilharziasis treated by nitrothiamidazole (Ciba 32.644-Ba or Ambilhar)] Coudert J, et al. Lyon Med 219:1041-6, 24 Mar 68 (Fre)
[Sifacycline use in obstetrics] Thoulon JM, et al. Lyon Med 225:247-9, 14 Feb 71 (Fre)
[Treatment of urinary tract infections in gynecology with Sulfa-Dysural] Hartmann E. Munch Med Wochenschr 111:2366-7, 7 Nov 69 (Fre)
[Clinical and bacteriological testing of a combination of a new antibiotic and an azo dye in urology] Schulman CC, et al. Praxis 59:1136-7, 4 Aug 70 (Fre)
[Studies of combination trimethoprim-sulfamethoxazole in urology] Schulman CC. Praxis 60:15-7, 5 Jan 71 (Fre)
[On the use of polymyxine B in bladder wash-outs] Fritel D, et al. Presse Med 79:1025, 1 May 71 (Fre)
[Thiophenicol in current gynecological and obstetrical pathology] Cathely M. Rev Fr Gynecol Obstet 64:293-5, May 69 (Fre)
[Treatment of urinary infections with Bactrim] Hentsch D, et al. Rev Med Suisse Romande 91:413-21, Jun 71 (Fre)
[Clinical experience with the combination of sulfamethoxazole and trimethoprim in gynecology and obstetrics] Roosen D. Arzneim Forsch 21:588-9, May 71 (Ger)
[Therapeutic results with the combination of sulfamethoxazole and trimethoprim in acute and chronic urinary tract infections] Schalkhäuser K, et al. Arzneim Forsch 21:592-4, May 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Treatment of chronic urinary infections with colimycin] Briedigkeit H, et al.
Dtsch Gesundheitsw 25:592-5, 31 Mar 70 (Ger)
[Problems in the therapy of pseudomonas infections of the urinary tract. Alternating comparison of carbenicillin and gentamycin in children] Olbing H, et al. Dtsch Med Wochenschr 96:183-9, 29 Jan 71 (Ger)
[Therapy of chronic urinary tract infections with oxolinic acid] Scheidt J, et al.
Dtsch Med Wochenschr 96:1242-5, 23 Jul 71 (Ger)
[Therapy of urinary tract infections in the child. Causative agent, antibiotics spectrum and results of therapy] Breunung M, et al.
Kinderaerztl Prax 39:128-39, Mar 71 (Ger)
[Therapy of bacterial infections in urology] Hetzer R.
Med Monatsschr 24:514-6, Nov 70 (Ger)
[Chemotherapy of the urinary tract infections caused by Providencia in postoperatively irradiated bladder carcinoma] Schmitt G, et al.
Med Monatsschr 24:462-5, Oct 70 (Ger)
[Ambulatory treatment of urinary tract infections] Ebbinghaus KD. Med Welt 47:2038-40, 21 Nov 70 (Ger)
[High dosage carbenicillin-treatment of urinary infections] Kierfeld G, et al.
Med Welt 42:1820-4, 17 Oct 70 (Ger)
[Bacteriological diagnosis and aimed drug therapy of urinary tract infections] Roser H.
Med Welt 39:1711-3, 26 Sep 70 (Ger)
[Results of the use of a combination of trimethoprim and sulfamethoxazole in urology] Wagner JD.
Med Welt 13:509-11, 27 Mar 71 (Ger)
[Follow-up examination of children with urinary tract infection. Results in corelation to primary disease and its therapy] Breunung M, et al.
Monatsschr Kinderheilkd 117:605-11, Oct 69 (Ger)
[Treatment of inflammatory diseases of the urogenital tract with eusaprim] Hofstetter A, et al.
Munch Med Wochenschr 113:432-6, 19 Mar 71 (Ger)
[Therapy of urinary tract infections] Redecker KD.
Ther Ggw 110:92-6, Jan 71 (Ger)
[Clinical therapeutic experiences with vibramycin in the treatment of urinary tract infections] Vetter D, et al. Ther Umsch 27:331-6, May 70 (Ger)
[Effectiveness of a new bactericide combination (bactrim) in urinary tract infections in older women] Hirn S.
Wien Klin Wochenschr 82:631-3, 25 Sep 70 (Ger)
[Experiences with a new chemotherapeutic agent in urinary tract infections in infants] Stögmann W, et al.
Wien Med Wochenschr 121:10-2, 9 Jan 71 (Ger)
[A new chemotherapeutic agent Ro 062580 for management of chronic unspecific urinary tract infection (report on 110 patients)] Ultzmannh.
Wien Med Wochenschr 120:33-8, 17 Jan 70 (Ger)
[Local treatment with nitrofurantoin] Wallnöfer H.
Wien Med Wochenschr 120:577-8, 15 Aug 70 (Ger)
[Clinical experiences with an ultra-long-term sulfonamide, Longum] Biosen E, et al.
Z Allgemeinmed 47:297-8, 28 Feb 71 (Ger)
[Clinical experience with bactrim therapy mainly in childhood urinary tract infections] Borsche A.
Z Allgemeinmed 47:961-3, Jun 71 (Ger)
[Harnosal- a new middle-time sulfonamide for treatment of urinary tract and kidney infections] Ehrlich R. Z Allgemeinmed 47:33-4, 10 Jan 71 (Ger)
[Therapy of urinary tract infections with trimethoprim sulfamethoxazole in urologic practice] Klütz W.
Z Allgemeinmed 47:710-1, 10 May 71 (Ger)
[Studies on the pharmacokinetics of nalidixic acid in children of different ages] Rohwedder HJ, et al.
Z Kinderheilkd 109:124-34, 1970 (Ger)
[Clinical studies with a delayed-action sulfonamide, Sulfaclomide] Heise GW, et al.
Z Urol Nephrol 62:303-6, 1969 (Ger)
[Sulfamethoxazole-trimethoprim combination in the therapy of urinary infections] Coppi F.
Arch Ital Urol Nefrol 43:184-91, 1970 (Ita)
[Effect of micromycin on various patterns of infectious pathology] Ruberti A, et al.
Arcisp S Anna Ferrara 22:929-42, 1969 (Ita)
[Carbenicillin in the therapy of urinary infections by gram-negative bacteria] De Rosa F, et al.
Clin Ter 55:339-43, 30 Nov 70 (Ita)
[Therapeutic experience with a new cephalosporin: celhalexin] De Rosa F, et al.
Clin Ter 54:129-38, 31 Jul 70 (Ita)
[Studies of the use of a new tetracycline (doxicycline)] Vetrano A, et al. Clin Ter 54:153-61, 31 Jul 70 (Ita)
[Biological-clinical study of gentamicin with reference to its use in anuric nephropathies] Altucci P, et al.
G Ital Chemioter 16:93-8, Jan-Sep 69 (Ita)
[Urinary tract infections and gentamicin] Bracci U, et al. G Ital Chemioter 16:83-8, Jan-Sep 69 (Ita)
[Gentamicin in the treatment of acute infections of the urinary tract in infancy] Compostella R, et al.
G Ital Chemioter 16:249-51, Jan-Sep 69 (Ita)
[Activity of gentamicin on some bacterial species responsible for urinary tract infections. Clinical and bacteriological results] Di Grazia G, et al.
G Ital Chemioter 16:105-9, Jan-Sep 69 (Ita)
[Gentamicin in urinary tract infections. Clinical and bacteriological study] Furnari S, et al.
G Ital Chemioter 16:110-6, Jan-Sep 69 (Ita)
[Indications and results of therapy with gentamicin sulfate in prolonged resuscitation] Giardina B, et al.
G Ital Chemioter 16:408-11, Jan-Sep 69 (Ita)
[Study on the administration of gentamicin in urinary tract infections] Mioli V, et al.
G Ital Chemioter 16:117-29, Jan-Sep 69 (Ita)
[Further experiences with gentamicin] Pardelli G.
G Ital Chemioter 16:202-4, Jan-Sep 69 (Ita)
[Observations on the use of gentamicin in pediatrics] Posteraro G, et al.
G Ital Chemioter 16:300-9, Jan-Sep 69 (Ita)
[Urinary tract infections in pediatrics treated with gentamicin] Rosati D.
G Ital Chemioter 16:320-3, Jan-Sep 69 (Ita)
[Clinical study on the use of gentamicin in urology] Trocino S, et al.
G Ital Chemioter 16:133-4, Jan-Sep 69 (Ita)
[Carbenicillin in the treatment of urinary infections] Comeri G, et al.
Minerva Med 62:1658-68, 21 Apr 71 (Ita)
[Clinical and bacteriological documentation of the effect of a new chemoantibiotic in infections of the urinary tract] Azzolini F, et al.
Minerva Urol 21:1-6, Jan-Feb 69 (Ita)
[N1-N1-diethyleniminobiguanide-methyl-tetracycline in various bacterial diseases of the urinary tract] Pannella A, et al.
Minerva Urol 21:75-84, May-Jun 69 (Ita)
[The use of betacillin in urology. Clinical and bacteriological findings] Salvia G, et al.
Minerva Urol 22:152-6, Nov-Dec 70 (Ita)
[The use of methampicillin in the treatment of urinary tract infections] Sasdelli M, et al.
Minerva Urol 22:112-20, May-Jun 70 (Ita)
[Clinico-bacteriological study of the activity of rifampicin in acute and chronic urinary tract diseases] Pisano A, et al.
Rass Int Clin Ter 50:465-72, 30 Apr 70 (Ita)
[Clinical use of Furadantin C for urinary tract infections] Aito K, et al.
Acta Urol Jap 16:688-91, Nov 70 (Jap)
[Furadantin C for urinary tract infection] Emoto Y, et al. Acta Urol Jap 17:214-7, Mar 71 (Jap)
[The studies on the treatment of urinary tract or wound-fistula infections after the urological operations with local infusion of gentamicin] Furusawa T, et al. Acta Urol Jap 17:420-8, Jun 71 (Jap)
[Laboratory and clinical evaluation on carbenicillin] Kiriyama T, et al. Acta Urol Jap 16:683-7, Nov 70 (Jap)
[Clinical evaluation of rifampicin for urinary tract infection] Kobayashi H, et al.
Acta Urol Jap 17:429-42, Jun 71 (Jap)
[Clinical experiences with furadantin C for urinary tract infection] Kotake T.
Acta Urol Jap 16:791-4, Dec 70 (Jap)
[Comparison of clinical effect between rifampicin and aminobenzylpenicillin in urinary tract infections by double blind method] Narahashi K, et al.
Acta Urol Jap 16:781-6, Dec 70 (Jap)
[A double blind study of rifampicin] Nishiura T, et al.
Acta Urol Jap 16:619-23, Oct 70 (Jap)
[Clinical effect of thiophenicol (Neo-Myson) on urinary tract infections] Namiki S. Iryo 24:731-3, Sep 70 (Jap)
[Clinical studies of Cefazolin in urinary tract infections] Yamamoto Y, et al.
J Jap Assoc Infect Dis 44:471-8, Dec 70 (Jap)
[Therapeutic effect of intravenous drip infusion of ampicillin (Pentrex 'Banyu') in urinary tract and intrapelvic infections] Fujimori H.
Jap J Antibiot 23:467-70, Dec 70 (Jap)
[Effects of betacillin injection (Versapen injection 'Bristol') in urinary tract infections] Hara S, et al.
Jap J Antibiot 23:396-9, Aug 70 (Jap)
[Clinical evaluation of rifampicin in urinary tract infections by double blind method] Hayashida K, et al.
Jap J Antibiot 23:411-5, Aug 70 (Jap)
[Differential assay and clinical application of ampicillin-oxacillin] Higuchi S, et al.
Jap J Antibiot 24:1-7, Feb 71 (Jap)
[Clinical experience with betacillin injection (Natacillin 'Banyu') in urinary tract infections] Maekawa M, et al.
Jap J Antibiot 23:379-82, Aug 70 (Jap)
[Application of aminodeoxykanamycin (Kanendomycin 'Meiji') in the field of internal medicine] Tsujimoto T, et al. Jap J Antibiot 24:191-6, Aug 71 (Jap)
[Trimethoprim sulfamethoxazole in urinary tract infection] Haveland H.
Nord Med 84:1428-31, 5 Nov 70 (Nor)
[Gentamicin in the treatment of urinary tract infections] Lorenz T, et al.
Pol Przegl Chir 43:1055-62, Jun 71 (Pol)
[Results of treatment of infections of the urogenital organs with ampicillin] Pawlak J.
Pol Przegl Chir 43:1063-8, Jun 71 (Pol)
[Further clinical experiments with rondomycin] Lankosz J. Przegl Lek 28:685-9, 1970 (Pol)
[Treatment of inflammatory diseases in obstetrics and gynecology] Rogulić I, et al.
Hospital (Rio de J) 76:875-9, Sep 69 (Por)
[Use of sulphamethoxazol-trimethoprim in urinary infection] Severo V, et al.
Rev Bras Med 28:235-9, May 71 (Por)
[Use of cephalexine monohydrate in female urogenital infection. Report of 42 cases] Ricaud Rothiot L, et al.
Ginecol Obstet Mex 29:397-404, Apr 71 (Spa)
[Cephaloglycin in pediatrics] Albores JM, et al.
Minerva Pediatr 22:1259-62, 23 Jun 70 (Spa)
[Clinical experience with cephalexin] Lasala FG, et al.
Prensa Med Argent 58:65-74, 12 Mar 71 (Spa)
[Clinical evaluation of cephalexin monohydrate in the treatment of infections of the genitourinary system] Aspe AJ. Prensa Med Mex 45-50, Sep-Oct 70 (Spa)
[Cephalexin monohydrate in urinary infections] Cervantes L Jr, et al.
Prensa Med Mex 61-4, Sep-Oct 70 (Spa)
[Treatment with cephalexin monohydrate of urinary tract infections in children. Preliminary report] De La Torre JA, et al.
Prensa Med Mex 87-91, Sep-Oct 70 (Spa)
[Treatment with cephalexin monohydrate of urinary tract infections in the diabetic patient] Lozano-Castañeda O, et al.
Prensa Med Mex 83-6, Sep-Oct 70 (Spa)
[Therapeutic results of cephalexin monohydrate in urinary infections] Soto RF, et al.
Prensa Med Mex 51-5, Sep-Oct 70 (Spa)
[Evaluation of cephalexin monohydrate in patients with uncomplicated urinary infections] Todd LE, et al. Prensa Med Mex 69-74, Sep-Oct 70 (Spa)
[Antibacterial effect of cephalexin monohydrate in urinary tract infections] Torres J, et al.
Prensa Med Mex 65-8, Sep-Oct 70 (Spa)
[Studies of the trimethoprim-sulfamethoxazole therapeutic combination] Aguirre M, et al.
Rev Clin Esp 117:489-98, 15 Jun 70 (Spa)
[Kephloridin (cephalexin monohydrate) in the treatment of urinary tract infections] Alférez Villalobos C. Rev Clin Esp 119:139-42, 31 Dec 70 (Spa)
[Gentamicin and urinary obstruction] Rodríguez Díaz LH, et al. Rev Venez Urol 22:125-36, Jan-Jun 70 (Spa)
[Factors influencing the result of long term treatment in chronic urinary tract infection] Henning C.
Nord Med 85:779-80, 24 Jun 71 (Swe)
[The result of combined trimethoprim-sulphametoxazole treatment in urinary tract infection] Orsten PA, et al.
Nord Med 85:779, 24 Jun 71 (Swe)
[Our first results in the treatment with cephaloridine (ceporin)] Mihajlović M, et al.
Vojnosanit Pregl 27:397-400, Sep 70 (Cro)

ENZYMOLOGY

[Urinary lactate dehydrogenase in kidney diseases. II. Urinary lactate dehydrogenase in urinary tract infections and pyelonephritis] Mojtš A.
Vnitr Lek 16:1176-80, Dec 70 (Cze)

ETIOLOGY

Persistent urinary tract infection with Salmonella typhimurium after renal cadaveric transplantation. Ringoir S, et al. Acta Clin Belg 24:251-3, 1969
Spinal cord casualties. Magee JH.
Arch Intern Med 127:962, May 71
The pathogenesis of the urethral syndrome. Murnaghan GF, et al. Br J Urol 42:736-7, Dec 70
Recurrent urinary infections in adult women. The role of introital enterobacteria. Stamey TA, et al.
Calif Med 115:1-19, Jul 71
The defunctioned neurogenic bladder: a clinical study. Eckstein HB, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:46+, 1970
Candida infection of urinary tract--an experimental study. Parkash C, et al.
J Assoc Physicians India 18:497-502, May 70
Postoperative urinary infections caused by Escherichia coli. Bettelheim KA, et al. J Clin Pathol 24:442-3, Jul 71
R factors in bacteria causing asymptomatic urinary infection in antenatal patients. Shaw EJ.
J Clin Pathol 24:477, Jul 71
Relation of schistosomiasis to typhoid fever. Hathout S el-D. J Egypt Public Health Assoc 45:145-56, 1970
Relapse of urinary tract infection in the presence of urinary tract calculi: the role of bacteria within the calculi. Rocha H, et al. J Med Microbiol 2:372-6, Aug 69
Clinical significance of the blind-ending brance of a bifid ureter: report of 3 additional cases. Albers DD, et al. J Urol 105:634-7, May 71
Urinary contamination as a result of transrectal biopsy of the prostate. Davison P, et al.
J Urol 105:545-6, Apr 71
Bladder resistance to infection. Gregory JG, et al.
J Urol 105:220-2, Feb 71
Antibiotic-resistant Escherichia coli causing urinary-tract infection in general practice: relation to faecal flora. Brumfitt W, et al.
Lancet 1:315-7, 13 Feb 71
Escherichia coli serotypes and renal involvement in urinary-tract infection. Mabeck CE, et al.
Lancet 1:1312-4, 26 Jun 71
Erythromycin and alkalinisation of urine in the treatment of urinary-tract infections due to gram-negative bacilli. Zinner SH, et al.
Lancet 1:1267-8, 19 Jun 71
Hygiene and the urinary tract. Lonsdale D.
N Engl J Med 284:55, 7 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A method for inducing experimental urinary tract infections in the rat and its use in experimental chemotherapy. Ryan DM.
Postgrad Med J Suppl:19-24, Oct 70
[Study on urinary infection in patients with a permanent catheter for urine retention in a resuscitation unit] Wetterwald F, et al.
Ann Urol (Paris) 5:43-50, Feb 71 (Fre)
[Pyloric stenosis and urinary tract infection] Nitsch K.
Munch Med Wochenschr 110:2258-61, 4 Oct 68 (Ger)
[Urinary tract infections caused by yeasts] Hantschke D, et al. Mykosen 13:435-8, 1 Sep 70 (Ger)
[The so-called "wide bladder neck anomaly". Enuresis and chronic urinary tract infection in girls] Halsband H, et al. Urologe 9:258-64, Sep 70 (Ger)
[Urologic complications after Wertheim's surgery with special consideration of urinary infection] Hak-Hagir A, et al.
Wien Med Wochenschr 121:367-9, 1 May 71 (Ger)
[Prostatectomy and urinary tract infection] Hubmer G.
Z Urol Nephrol 63:577-93, Aug 70 (Ger)
[The defense mechanisms of the urinary bladder] Cain M. Harefuah 78:302-3, 15 Mar 70 (Heb)
[Studies on the pathogenecity of urinary Escherichia coli] Kawada Y. Jap J Urol 62:306-24, Apr 71 (Jap)
[Dynamics of urinary tract infections in patients with spinal cord lesions and neurogenic bladder] Tessarowicz J, et al.
Chir Narzadow Ruchu Ortop Pol 35:657-63, 1970 (Pol)
[Urologic complications after surgery for rectal cancer] Apakova SA.
Khirurgiia (Mosk) 45:114-20, Sep 69 (Rus)
[Radiation injuries in the urinary tract] Jönsson G.
Nord Med 85:122, 28 Jan 71 (Swe)

IMMUNOLOGY

Studies of antibodies and immunoglobulin levels in urine from children with urinary tract infections caused by E. coli. Jodal U, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:78+, 1970
Secretory IgA in urinary tract infections. Kaufman DB, et al. Br Med J 4:463-5, 21 Nov 70
Antibody response to E. coli urinary tract infection. Robertson ME, et al.
Can J Public Health 62:57-60, Jan-Feb 71
An antibactericidal factor in the serum of some patients with infections of the upper urinary tract. Taylor PW. Clin Sci 41:5P, Aug 71
K antigens of Escherichia coli and renal involvement in urinary tract infections. Glynn AA, et al.
J Med Microbiol 4:pi-PII, May 71
Normal cutaneous sensitivity to endotoxin in azotemia. Fink S, et al. J Urol 104:640-1, Nov 70
Patterns of antibody response of children with infections of the urinary tract. Neter E, et al.
Pediatr Res 4:500-9, Nov 70
Elevated urinary secretory IgA in children with urinary tract infection. Uehling DT, et al.
Pediatrics 47:40-6, Jan 71
Immunological aspects of urinary infections] Raffi A, et al. Pediatrie 26:437-8, Jun 71 (Fre)
[Correlations between antibodies and renal lesions in the urinary infections] Kazmierczak A, et al.
Sem Hop Paris 46:3152-9, 28 Nov 70 (Fre)
[Serum antibodies in urinary tract infections after gynecologic surgery] Decker K, et al.
Dtsch Med Wochenschr 96:66-8 passim, 8 Jan 71 (Ger)

METABOLISM

[Transport of antibacterial drugs into the canine bladder wall; its significance in evaluation of antibacterial drugs in urine for the treatment of urinary tract infection] Adachi T.
Jap J Urol 62:220-40, Mar 71 (Jap)
[Acid-base equilibrium in cases of pregnancy toxemias and urinary tract infection in pregnancy] Dziewulska W, et al. Ginekol Pol 42:173-86, 1971 (Pol)

MICROBIOLOGY

Infections with Providence bacilli. A clinical and bacteriologic study. Solberg CO, et al.
Am J Med 50:241-6, Feb 71
Prevalence of extrachromosomal drug resistance. R Factors in Escherichia coli. Datta N.
Ann NY Acad Sci 182:56-64, 11 Jun 71
Isolation of L-forms in a clinical microbiology laboratory. Swierczewski JA, et al.
Appl Microbiol 20:323-7, Sep 70
Urinary tract infection. II. Side laboratory and bacteriologic observations. Belapurkar KM, et al.
Indian Pediatr 7:449-54, Aug 70
Incidence and nature of urinary tract infections among asymptomatic primary school children. Bhagat AK, et al. Indian Pediatr 7:87-90, Feb 70
Role of bacterial growth inhibitors in urine in diagnostic culture. Ghosh HK.
J Clin Pathol 23:627-8, Oct 70
A study of Escherichia coli isolated from chronic urinary infection. Bettelheim KA, et al.
J Med Microbiol 2:225-36, Aug 69
Geographical variation in serological types of urinary Escherichia coli. Grüneberg RN, et al.
J Med Microbiol 2:219-24, Aug 69
The effects of hydration and bladder incubation time on urine colony counts. Friedman SA, et al.
J Urol 105:428-32, Mar 71
New human papovavirus (B.K.) isolated from urine after renal transplantation. Gardner SD, et al.
Lancet 1:1253-7, 19 Jun 71
Antibiotic resistance of coliform bacilli in urinary infection acquired by women outside hospital. A 12-year survey. Gillespie WA, et al.
Lancet 2:675-7, 25 Sep 71
K antigens of Escherichia coli and renal involvement in urinary-tract infections. Glynn AA, et al.
Lancet 1:514-6, 13 Mar 71
Infection of each side of upper urinary tract with a different organism in a case of bilateral chronic pyelonephritis. Koutsaimanis KG, et al.
Lancet 1:471-2, 6 Mar 71
Introital enterobacteria, urinary infection, and the urethral syndrome. O'Grady FW, et al.
Lancet 2:1208-10, 12 Dec 70
Escherichia serotypes and renal infection.
Lancet 1:532-3, 13 Mar 71
Rate of excretion of bacteria in urine.
Lancet 1:71, 9 Jan 71
The antibiogram and the distribution of Proteus organisms isolated from urinary tracts. Chai KH, et al.
Med J Malaya 25:43-5, Sep 70
A 6-year survey of resistance patterns of urinary tract pathogens in general practice. Robertson MH.
Postgrad Med J 47:111-5, Feb 71
[Scheme of identification of aerobic micrococcacae. Its value in urinary infections] Dauchy S, et al.
Pathol Biol (Paris) 19:333-7, Mar 71 (Fre)
[Model of an ascending urinary tract infection] Zimmermann W, et al.
Arch Hyg Bakteriol 154:58-62, Jun 70 (Ger)
[Role of pyocine typing in the control of Pseudomonas aeruginosa urinary tract infections] Neussel H.
Arzneim Forsch 21:333-5, Mar 71 (Ger)
[Hospitalism in urology] Lipsky H.
Med Klin 65:1833-8, 16 Oct 70 (Ger)
[Studies of the in vitro sensibility of causative organisms of chronic urinary tract infections to gentamicin (refobacin)] Kofler K.
Med Welt 29:1328-30, 18 Jul 70 (Ger)
[New immersion method for quantitative urine bacteriology] Munzinger J.
Praxis 59:1207-12, 25 Aug 70 (Ger)
[Mycoplasma in infections of the genitourinary tract] Hofstetter A, et al. Urologe 9:200-4, Jul 70 (Ger)
[Variations in the spectrum of urinary tract infections during the period 1957-1967, as demonstrated on the material of a nephrology and dialysis department] Alexander M, et al.
Verh Dtsch Ges Inn Med 75:150-2, 1969 (Ger)
[Microbiological complications in kidney transplantation and chronic dialysis] Breitfellner G.
Verh Dtsch Ges Pathol 54:156-9, 1970 (Ger)
[Results of isolation of mycoplasmas from the female urogenital tract and their sensitivity to antibiotics] La Torretta G, et al.
Arch Ostet Ginecol 75:191-9, May-Jun 70 (Ita)
[Variations in the in vitro reaction to some drugs of bacteria most commonly causing urinary tract infections in childhood] Principi N.
Minerva Pediatr 23:586-91, 31 Mar 71 (Ita)
[Aspects of the microbial flora in urinary tract infections] Antonescu M, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:519-26, Nov-Dec 70 (Rum)
[Septrin. Sensitivity tests of 618 strains of gram-negative bacilli isolated from urinary infections] State D.
Microbiol Parazitol Epidemiol (Bucur) 16:235-40, May-Jun 71 (Rum)

OCCURRENCE

Incidence and nature of urinary tract infections among asymptomatic primary school children. Bhagat AK, et al. Indian Pediatr 7:87-90, Feb 70
Urinary tract infection in children. Nandi RL.
J Indian Med Assoc 54:552-8, 16 Jun 70
Urinary tract infection in children. Nandi RL.
J Indian Med Assoc 54:552-8, 1 Jul 70
Urinary tract infection in women: a study from general practice. Manners BT, et al.
J R Coll Gen Pract 19:343-8, Jun 70
Unsuspected urinary infection in general practice. Tuxford AF. J R Coll Gen Pract 20:22-6, Jul 70
The incidence of urinary-tract infection and asymptomatic bacteriuria in a semi-rural practice. Sinclair T, et al. Practitioner 207:81-4, Jul 71
Sepsis in human renal transplantation. McDonald JC, et al. Surgery 69:189-93, Feb 71
The incidence of trichomoniasis and dysuria in pregnant women in Eastern Uganda. Lightman SL, et al. Trop Geogr Med 23:113-4, Mar 71
[On the incidence of Proteus in diseases of children. Sensitivity to antibiotics] Zalman MW, et al.
Arch Roum Pathol Exp Microbiol 28:569-76, Jun-Sep 69 (Fre)
[Epidemiological study on intestinal and urinary schistosomiasis in the area of the Lufira artificial lake (Katanga). 3. Evaluation of the parasite level according to the results of egg count in the feces] Ripert C, et al.
Bull Soc Pathol Exot 63:580-90, Sep-Oct 70 (Fre)
[Epidemiological study on intestinal and urinary schistosomiasis in the area of the Lufira artificial lake (Katanga). 2. Prevalence of infestation according to the results of intradermal and complement fixation tests] Ripert C, et al.
Bull Soc Pathol Exot 63:562-79, Sep-Oct 70 (Fre)
[Endogenous infection in patients resuscitated in the intensive care unit] Cucchi L, et al.
G Ital Mal Torace 23:291-2 passim, Nov-Dec 69 (Ita)
[Acute renal insufficiency and urinary infection] Diez C, et al. Prensa Med Argent 57:1570-5, 16 Oct 70 (Spa)

PATHOLOGY

The inflammatory reaction and urinary leucocytes in ascending urinary-tract infections. An experimental study on rabbits infected with Proteus vulgaris X 19 and Escherichia coli 06. Gnarpe H, et al.
Acta Pathol Microbiol Scand [B] 78:298-14, 1970
Pathologic effects of schistomiasis in Ibadan Western State of Nigeria. II. Pathogenesis of lesions of the bladder and ureters. Von Lichtenberg F, et al.
Am J Trop Med Hyg 20:244-54, Mar 71
Urothelial micro-contour. 3. Mucosal alteration by infection. Lloyd-Davies RW, et al.
J Urol 106:81-3, Jul 71
[Experimental ascending Candida infections in the urinary tract] Hatala M, et al.
Cas Lek Cesk 110:553-8, 11 Jun 71 (Cze)

PHYSIOPATHOLOGY

Renal function during hydropenia and water diuresis in children with recurrent urinary tract infections. Aperia A, et al. Acta Paediatr Scand 59:805-12, Nov 70
Renal function in urinary schistosomiasis. Lehman JS Jr, et al. Am J Trop Med Hyg 19:1001-6, Nov 70
Hydronephrosis, bacteriuria, and maximal urine concentration in urinary schistosomiasis. Lehman JS Jr, et al. Ann Intern Med 75:49-55, Jul 71
Spastic striated external sphincter and urinary tract infection in girls. Tanagho EA, et al.
Br J Urol 43:69-82, Feb 71
Experimental pyelonephritis. XVI. Pseudomonas aeruginosa, Escherichia coli, and Staphylococcus aureus infections in mice and the effect of "water diuresis". Furtado D, et al.
Yale J Biol Med 43:177-93, Dec 70
[Fibrinolysis in children with inflammatory diseases of kidneys and urinary tract] Bachmann HJ, et al.
Z Kinderheilkd 109:300-6, 1971 (Ger)

PREVENTION & CONTROL

A dip slide at home performed urine culture--a safety measure after chemotherapy in urinary tract infections. Rautalappi L, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:136, 1970
The use of Lasix (frusemide) in the prevention of urinary infection following prostatectomy. Essenhigh DM, et al. Br J Urol 42:450-6, Aug 70
Prevention of urinary infection in patients with indwelling catheters. Schmidt JD.
J Iowa Med Soc 60:815-8, Dec 70
Incidence of infection after prostatectomy and efficacy of cephaloridine prophylaxis. Lacy SS, et al.
J Urol 105:836-9, Jun 71
Recurrent urinary tract infections in women: prevention by topical application of antimicrobial ointment to urethral meatus. Landes RR, et al.
J Urol 104:749-50, Nov 70
Failure of the automatic bladder concept in the management of the complete upper motor neuron neurogenic bladder. Lynn JM. J Urol 104:545-8, Oct 70
Care in catheterization can prevent gram-negative urinary infection. Ginsberg F.
Med Hosp 115:106, Nov 70
Routine use of Foley catheter in the postpartum patient. Ellison RS, et al.
Ohio State Med J 67:436-7, May 71
[Continuous lavage of the bladder after prostatic adenectomy. Results in 100 consecutive cases] Lantsoght KJ.
J Urol Nephrol (Paris) 76:899-906, Oct-Nov 70 (Fre)
[Attempt to "locally" prevent postoperative urinary tract infections following gynecologic surgery] Biobel R, et al. Med Welt 36:1572-4, 5 Sep 70 (Ger)
[Significance of early detection and prevention of urinary tract infections] Stanulović D, et al.
Med Pregl 24:9-12, 1971 (Ser)
[Urinary infection in paralytics] Bernstein-Hahn L.
Rev Argent Urol Nefrol 39:10-4, Jan-Jun 70 (Spa)
[Problems of infection among the mentally retarded] Andrén-Sandberg M.
Lakartidningen 68:1093-100, 3 Mar 71 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Radiolucent folds in the upper urinary tract. Poole CA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:529-39, Nov 70

The predominance of right renal and ureteric pyelographic changes in patients with recurrent urinary tract infections. Speirs CF, et al.
Br J Urol 42:393-7, Aug 70

[Retrograde cystography and intravenous urography during the same examination: results of 1 year of hospital practice] Prot D, et al.
J Radiol Electrol Med Nucl 51:704-5, Nov 70 (Fre)

[Bilharziasis of the diverted urinary tract] Clausen C, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:406-9, Mar 70 (Ger)

[Radiologic control of the course of urinary tract infections in childhood] Eggert D.
Med Welt 31:1248, 7 Aug 71 (Ger)

[Radiological findings in urinary tract infection in children] Hertz M, et al.
Harefuah 79:505-8, 1 Dec 70 (Heb)

[Cystic cystoureteropyelitis. Clinico-radiological considerations on 2 cases] Scaglione P, et al.
Minerva Urol 22:73-80, May-Jun 70 (Ita)

[Radiation doses received by children with urinary tract infections] Fendel H, et al.
Ann Radiol (Paris) 12:245-50, 1969 (Mul)

SURGERY

Emphysematous pyelonephritis with perinephric gas. Turman AE, et al. J Urol 105:165-70, Feb 71

Internal urethrotomy and recurrent urinary tract infection in female children. II. Long-term results in the management of infection. Vermillion CD, et al.
J Urol 106:154-7, Jul 71

[Surgical indications in urogenital bilharziasis: 31 cases] Chatelain C, et al.
Ann Urol (Paris) 3:7-24, Feb 69 (Fre)

THERAPY

Urinary tract infections and difficult urination in girls: long-term followup. Lyon RP, et al.
J Urol 105:314-7, Feb 71

Surgical, bacteriological, and biochemical management of "infection stones". Nemoy NJ, et al.
JAMA 215:1470-6, 1 Mar 71

Urinary tract infections and difficult urination in girls: long-term followup. Lyon RP, et al.
Trans Am Assoc Genitourin Surg 62:69-72, 1970

[Clinical cure of urinary tract infection in pediatrics] Gfeller J, et al. Ther Umsch 27:439-42, Jul 70 (Ger)

URINE

Experimental ascending spheroplast infections of the urinary tract. Some factors affecting the viability of spheroplasts within the urinary tract. Gnarpe H.
Acta Pathol Microbiol Scand [B] 78:196-202, 1970

Evaluation of a rapid bedside screening test for asymptomatic urinary tract infection--a preliminary communication. Notelovitz M, et al.
S Afr Med J 44:1128-31, 3 Oct 70

[Determination of glucose in the urine as a screening test for urinary tract infections] Granitzka S, et al.
Dtsch Med Wochenschr 96:581-4, 2 Apr 71 (Ger)

[Quantitative urine diagnostics] Böhlck I, et al.
Med Welt 24:965-8, 12 Jun 71 (Ger)

[Importance of time factors in urine diagnosis with the nitrite test strip] Fuchs T, et al.
Med Welt 26:1093-6, 26 Jun 71 (Ger)

[Urinary anaerobic bacteria in urinary tract infections] Caselitz FH, et al.
Munch Med Wochenschr 112:1940-2, 23 Oct 70 (Ger)

[Bacteriologic urine examination in children with a simplified culture technic] Sitzmann FC, et al.
Ther Ggw 109:1794-6 passim, Dec 70 (Ger)

VETERINARY

Facts and artifacts in the microscopic examination of urine sediment. Glenn BL.
J Am Vet Med Assoc 157:1667-71, 1 Dec 70

Gentamicin--new broad spectrum antibiotic for treatment of canine urinary tract infections. Berkman RH, et al. Vet Med Small Anim Clin 66:135-7, Feb 71

[Significance of chronic urinary tract diseases in the pathogenesis of puerperal diseases and mastitides of sows] Berner H.
Dtsch Tieraerztl Wochenschr 78:241-5, 15 Apr 71 (Ger)

URINATION (G1)

New aspects of miction: miction process illustrated on a model. Jůra M.
Acta Univ Carol [Med] (Praha) 14:297-309, 1968

Continence and incontinence. A clinical study of the dynamics of voiding and of the sphincter mechanism. Bates CP. Ann R Coll Surg Engl 49:18-35, Jul 71

A study of micturition pressure and urine flow rate in thirty-eight incontinent patients. Alexander S, et al.
Br J Surg 57:864, Nov 70

The peemeter: an apparatus for measuring urinary force. Nundy S. Br J Surg 58:45-7, Jan 71

Gonococcal Tysonitis without urethritis after prophylactic post-coital urination. Burgess JA.
Br J Vener Dis 47:40-1, Feb 71

Electromechanical restoration of the micturition reflex. Timm GW, et al.
IEEE Trans Biomed Eng 18:274-80, Jul 71

The fluid dynamics of micturition. Gessner FB.
Invest Urol 8:324-30, Nov 70

The shape and cross-sectional area of the distal urethra critically affects urinary flow. Gleason DM, et al.
Invest Urol 8:585-95, May 71

Voiding and intrinsic defenses of the lower urinary tract in the female dog. II. Effect of immunosuppressive drugs on canine urethral and vesical flora. Masih BK, et al.
Invest Urol 8:494-8, Mar 71

Voiding and intrinsic defense of the lower urinary tract in the female dog. 3. Effect of restoration of flow on vesical flora. Schmaelzle JF, et al.
Invest Urol 8:499-501, Mar 71

Electrical activation of micturition by spinal cord stimulation. Nashold BS Jr, et al.
J Surg Res 11:144-7, Mar 71

The physiology of the internal urinary sphincter. Kleeman FJ. J Urol 104:549-54, Oct 70

Constant flow in the female dog. V. Effect of raised intraperitoneal pressure on exit velocity. Lloyd-Davies RW, et al. J Urol 105:802-6, Jun 71

Facilitation of voiding during electrical stimulation of the neurogenic bladder. Mogil RA, et al.
J Urol 105:388-91, Mar 71

Pressure and flow rate as related to lumen caliber and entrance configuration. Tanagho EA, et al.
J Urol 105:583-5, Apr 71

Detection and location of obstruction in the human male subject by analysis of the urinary stream. Zinner NR, et al. J Urol 106:115-21, Jul 71

Functional capacity of the deafferented supraoptic region in freely moving cats. Joynt RJ, et al.
Neurology (Minneap) 20:397, Apr 70

Micturition studies in infants and children. Intravesical pressure, urinary flow and urethral resistance in boys without infravesical obstruction. Gierup J.
Scand J Urol Nephrol 4:217-30, 1970

Micturition studies in infants and children. Normal urinary flow. Gierup J.
Scand J Urol Nephrol 4:191-7, 1970

Micturiton studies in infants and children. Gierup J.
Scand J Urol Nephrol Suppl 5:1-26, 1970

Manual provocation of micturition contraction in neurogenic bladders. Glahn BE.
Scand J Urol Nephrol 4:25-36, 1970

The internal urinary sphincter: a double-lop system. Hutch JA.
Trans Am Assoc Genitourin Surg 62:30-9, 1970

[Timely starting of spontaneous urination after surgery of urinary incontinence in women] Gazárek F, et al. Cesk Gynekol 36:80-1, Mar 71 (Cze)

[X-ray cinematographic analysis of the act of urination in women with dysuria] Kopečný J, et al.
Cesk Gynekol 36:35-7, Mar 71 (Cze)

[Electrosplanchnographic study of a vesicocolic reflex] Martin A, et al.
J Physiol (Paris) 63:77A, Mar-Apr 71 (Fre)

[Comparative electromyographic activities of pelvi-perineal striated muscles during urination in male cats] Rampal G, et al.
J Physiol (Paris) 62:Suppl 2:306, 1970 (Fre)

[Thermoregulatory hyperventilation, salivation and urinary excretion in domestic swine during exogenous hyperthermia] Steinhardt M, et al.
Arch Exp Veterinaermed 24:793-800, 1970 (Ger)

[Micttion syncope] Huep WW, et al.
Dtsch Med Wochenschr 71:439, 5 Mar 71 (Ger)

[Mictiography--recording of urine secretion] Tammen H. Urologe 10:140-1, May 71 (Ger)

[Hemodynamic changes during natural urination in the cat] Mancia G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:280-6, 1968 (Ita)

[The mechanism of the transport of urine after the urinary diversion to ileal conduit] Yamauchi T.
Acta Urol Jap 17:376-93, Jun 71 (Jap)

[3 cases of micturition syncope] Hasegawa H, et al.
Naika 26:957-60, Nov 70 (Jap)

[Micturation curve in recognition of an obstacle in lower urinary tract] Steinmetz L.
Pol Przegl Chir 43:Suppl 2a:293+, Feb 71 (Pol)

[A polyurocystograph] Gasparian AM, et al.
Biull Eksp Biol Med 65:121-2, 1968 (Rus)

[SMD-1 apparatus for signaling antisanitary condition of nursing infants] Khentov RA, et al.
Nov Med Priborostr 1:81-4, 1967 (Rus)

[An electromyographic study of the regulation of urination under normal conditions and in the presence of spinal lesions] Zenkov LR, et al.
Vopr Neirokhir 34:42-7, May-Jun 70 (Rus)

[Cystometry and miction analysis before and after prostatectomy] Bjerle P, et al.
Nord Med 85:192, 11 Feb 71 (Swe)

[Urine flow in normal children] Gierup J, et al.
Nord Med 85:185, 11 Feb 71 (Swe)

[Radiocinematic urethro-cystography of interrupted micturition in children] Sauvegrain J, et al.
Ann Radiol (Paris) 12:251-7, 1969 (Mul)

DRUG EFFECTS

Influence of hypothalamic deposits of antidipsic drugs on renal excretion. Gutman Y, et al.
Eur J Pharmacol 13:326-9, 1971

URINATION DISORDERS (C6)

Of dirty old men. Strouse CD.
N Engl J Med 284:857-8, 15 Apr 71

[Sphincteromanometric evaluations after simple prostatectomy and amputation of the rectum with an abdominal perineal approach] Salvini A, et al.
Arch Ital Urol Nefrol 42:29-50, 1969 (Ita)

[Unusual cause of acute urinary retention in a subject with a vesical balloon catheter. Prevention and therapy] Siani C, et al.
Minerva Anestesiol 36:353-4, Jun 70 (Ita)

CHEMICALLY INDUCED

Iatrogenic retention of urine. Syme RR.
Med J Aust 1:150-2, 16 Jan 71

[3 case reports] Bijl WJ van der.
Ned Tijdschr Geneeskd 115:446-8, 6 Mar 71 (Dut)

COMPLICATIONS

A case of catatenia occurring simultaneously with severe urinary retention. Regestein QR, et al.
J Nerv Ment Dis 152:432-5, Jun 71

[Regeneration of the wall of the urinary bladder] Magasi P, et al. Z Urol Nephrol 62:209-16, 1969 (Ger)

[Electrocardiographic findings in aged patients with chronic prostatic obstruction] D'Anelli A, et al.
Minerva Urol 23:70-2, Mar-Apr 71 (Ita)

[Urinary tract infections and urine flow disturbances in infants] Gietko M, et al.
Pediatr Pol 46:749-54, Jun 71 (Pol)

DIAGNOSIS

The peemeter: an apparatus for measuring urinary force. Nundy S. Br J Surg 58:45-7, Jan 71

Detection and location of obstruction in the human male subject by analysis of the urinary stream. Zinner NR, et al. J Urol 106:115-21, Jul 71

[Principal symptom: micttition disorders] Kolle P.
Munch Med Wochenschr 112:173-84, 30 Jan 70 (Ger)

[Uroflowmetry in combination with the Bauer cystometer] Bauer KM. Urologe 9:219-20, Jul 70 (Ger)

DRUG THERAPY

[Treatment with niflumic acid of pollakiuria in prostatic diseases (457 cases)] Abouiker P, et al.
Ann Urol (Paris) 4:213-4, Sep 70 (Fre)

[500 cases of pollakiuria and cystalgia treated with an anti-inflammatory agent] Benassayag E, et al.
Therapie 25:1051-7, Nov-Dec 70 (Fre)

[Treatment of micturition disorders. Experiences with Spasmo-Urgenin] Rusch G.
Praxis 59:130-1, 27 Jan 70 (Ger)

[On the effects of oral administration of medroxyprogesterone acetate on urination disorders due to prostatic hypertrophy] Valentino RV, et al.
Recent Progr Med (Roma) 47:XXI-XXXV, Sep 69 (Ita)

ETIOLOGY

Arteriovenous malformations of the conus medullaris and cauda equina. Decompressive laminectomy. Report of 2 cases. Lombardi V.
Acta Neurol (Napoli) 25:462-7, Jul-Aug 70

[Difficult voiding due to paravesical metastases from carcinoma of the esophagus: report of a case. Katô T.
Acta Urol Jap 17:195-7, Mar 71

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA.
Am J Roentgenol Radium Ther Nucl Med 112:603-6, Jul 71

Pelvic lipomatosis causing urinary obstruction. Pepper HW, et al. Br J Radiol 44:313-5, Apr 71

Urinary presentation of cauda equina lesions without neurological symptoms. Garfield J, et al.
Br J Urol 42:551-4, Oct 70

Urinary retention due to pica ingestion in a child. Shrimali R, et al.
J Assoc Physicians India 19:285-6, Mar 71

Vesical dysfunction caused by protruded lumbar disk. Emmett JL, et al. J Urol 105:86-91, Jan 71

Urinary retention, fecal impaction, and neurogenic disease of the colon. Canby JP, et al.
Pediatrics 46:649, Oct 70

[Urinary disorders in small girls and pyuria of genital origin] Sersiron D.
Ann Pediatr (Paris) 18:66-72, 2 Jan 71 (Fre)

[On the repercussion of hydrocolpos and hematocolpos

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

on the urinary tract] Bauchart J, et al.
Ann Urol (Paris) 5:23-30, Feb 71 (Fre)
[Asymmetrical bifidities with unilateral menstrual retention (apropos of 12 cases)] Robert H.
Chirurgie 96:796-9, 1970 (Fre)
[Obstructions of the low urinary tract in the child] Grasset D.
J Urol Nephrol (Paris) 76;Suppl 9:1-174, Oct 70 (Fre)
[Psychogenic postoperative urinary retention] Aboulker P., et al.
Sem Hop Paris 47:603-8, 26 Feb 71 (Fre)
[Urologic problems in children with meningomyelocele] Dettmar H.
Z Urol Nephrol 62:837-9, Nov 69 (Ger)
[Urination disorders due to cysts of the müllerian ducts] Dubs B, et al.
Z Urol Nephrol 62:161-8, 1969 (Ger)
[Urinary retention caused by unusual foreign bodies] Terhorst B. Z Urol Nephrol 62:473-5, 1969 (Ger)
[Urologic complications in genital abnormalities] Krausse HD.
Zentralbl Gynaekol 92:1002-4, 1 Aug 70 (Ger)
[Hematocolpos caused by imperforate hymen. Review of literature and presentation of a case of acute urinary retention in a 9 and one half year-old patient] Ottolenghi-Preti GF, et al.
Ann Ostet Ginecol 92:97-112, Feb 70 (Ita)
[Urination disorders caused by amputation of the rectum by abdomino-perineal approach] Rossi R, et al.
Arch Ital Urol Nefrol 42:430-54, 1969 (Ita)
[Urinary retention as an expression of psychosomatic disorders. Presentation of 5 clinical cases] Rossi V.
Boll Soc Med Chir Cremona 23:11-20, Apr-Jun 69 (Ita)
[Disorders of diuresis in hepatic patients and integrity of renal function] Gallizia F, et al.
Minerva Med 62:1757-68, 28 Apr 71 (Ita)
[Psycho-physical behavior of cosmonauts during space flight] Lomonaco T.
Minerva Med 61:5707-22, 12 Dec 70 (Ita)
[Medroxyprogesterone acetate in urinary retention caused by inoperable prostatic hypertrophy] Menozzi D, et al. Minerva Urol 22:89-105, May-Jun 70 (Ita)
[Clinico-experimental study of urination disorders in patients with parkinsonism, with special reference to changes in the clinical and cystometric findings induced with coagulation of the thalamic ventro-lateral nucleus] Cioffi F, et al.
Rass Neuropsichiatr 22:457-63, Oct-Dec 68 (Ita)
[Difficult urination in chronic leukemia: report of a case] Kato T. Acta Urol Jap 17:414-5, Jun 71 (Jap)
[Urination disorder following gynecological surgery] Miyazaki S. Sanfujinka Jissai 19:1049-57, Oct 70 (Jap)
[Bladder motility after amputation of the rectum] Aune S. Nord Med 85:608, 13 May 71 (Nor)
[Urinary disorders as the dominant symptom in L5-S1 disk hernia] Arseni C, et al.
Stud Cercet Neurol 15:311-8, 1970 (Rum)
[Urologic complications after surgery for rectal cancer] Apakova SA.
Khirurgiia (Mosk) 45:114-20, Sep 69 (Rus)
[An electromyographic study of the regulation of urination under normal conditions and in the presence of spinal lesions] Zenkov LR, et al.
Vopr Neirokhir 34:42-7, May-Jun 70 (Rus)

OCCURRENCE

The incidence of trichomoniasis and dysuria in pregnant women in Eastern Uganda. Lightman SL, et al. Trop Geogr Med 23:113-4, Mar 71

PATHOLOGY

[Morphological synopsis of urination disorders in childhood] Sigel A.
Z Urol Nephrol 62:806-13, Nov 69 (Ger)

PHYSIOPATHOLOGY

[Medium flow velocity in patients with bladder paresis] Larsen E. Nord Med 85:128, 28 Jan 71 (Dan)

RADIOGRAPHY

Large capacity smooth-walled bladders as an indication of the infrequent voiding syndrome. Lalli AF, et al. J Urol 105:662-3, May 71
Hematuria with dysuria and urinary frequency. Kuisk H. Minn Med 5:539-41, Jul 71
Urinary obstruction. Ochsner MG.
Postgrad Med 48:98-101, Oct 70
[X-ray cinematographic analysis of the act of urination in women with dysuria] Kopečný J, et al.
Cesk Gynekol 36:85-7, Mar 71 (Cze)
[Crossed renal ectopia without fusion. A rare congenital renal anomaly] Moshkowitz A, et al.
Harefuah 77:343-4, 15 Oct 69 (Heb)
[Radiographic considerations on retrograde urethrography in the study of the residual prostatic loge in patients prostatectomized for fibroadenoma] Pastremoli A.
Ann Radiol Diagn (Bologna) 42:522-38, Sep 69 (Ita)

SURGERY

Cutaneous ureterostomy: an alternative urinary diversion. Flinn RA, et al. J Urol 105:358-64, Mar 71
A surgical procedure suggested for certain cases of reduplicated ureter. Olsson CA, et al.
J Urol 105:790-3, Jun 71
Urinary diversion in the paraplegic. England EJ.
Proc Annu Clin Spinal Cord Inj Conf 16:183-5, 1967
[Surgical myotomy of the striated sphincter of the urethra. A new sub-pubic approach. Study of the pathology of the striated sphincter in paraplegics] Cukier J, et al.
J Urol Nephrol (Paris) 77:27-50, Jan-Feb 71 (Fre)
[Treatment of urine retention in women with neck surgery and urethra shortening] Rometti A.
J Urol Nephrol (Paris) 77:286-7, Mar 71 (Fre)
[Use of an intestinal transplant for revascularization and reinnervation of organs of the urinary system in children] Doletskiĭ SIa, et al.
Khirurgiia (Mosk) 46:140-4, Apr 70 (Rus)
[Indwelling capillary puncture of the urinary bladder in acute urinary retention] Puterman NS.
Vestn Khir 103:56-8, Nov 69 (Rus)

THERAPY

Urinary tract infections and difficult urination in girls: long-term followup. Lyon RP, et al.
J Urol 105:314-7, Feb 71
Urinary tract infections and difficult urination in girls: long-term followup. Lyon RP, et al.
Trans Am Assoc Genitourin Surg 62:69-72, 1970
[Study on urinary infection in patients with a permanent catheter for urine retention in a resuscitation unit] Wetterwald F, et al.
Ann Urol (Paris) 5:43-50, Feb 71 (Fre)

URINE (A12)

see also related
ALBUMINURIA (C6)
ALKAPTONURIA (C13)
AMINOACIDURIA, RENAL (C6, C10, C13)
ANURIA (C6)
BACTERIURIA (C1, C6)
CYSTINURIA (C6, C13)
GLYCOSURIA (C13)
HEMATURIA (C6, C8)
HEMOGLOBINURIA (C6, C9)
MAPLE SYRUP URINE DISEASE (C10, C13, F2)
PHENYLKETONURIA (C10, C13, F2)
POLYURIA (C6)
PROTEINURIA (C6)
PYURIA (C6)

Gastric acid secretion and the alkaline tide. Dorry K, et al. Acta Gastroenterol Belg 32:306-14, Apr-May 69
Preservation of urine sediments on slides. Zabor L.
Am J Med Technol 36:544-5, Nov 70
Water intake and urine output of mice during chronic centrifugation. Wunder CC, et al.
Am J Physiol 221:559-63, Aug 71
Utilization of osmometry in critically ill surgical patients. Boyd DR, et al. Arch Surg 102:363-72, Apr 71
Inhibitors of haemaggregation in biological fluids. Tyrrell DA, et al. Br J Exp Pathol 52:122-9, Apr 71
Neonatal "urinothorax" associated with posterior urethral valves. Friedland GW, et al.
Br J Radiol 44:471-4, Jun 71
Non-parasitic chyluria. Mogg RA, et al.
Br J Urol 43:28-34, Feb 71
Blood and urine specimens in hospital.
Br Med J 2:721, 19 Jun 71
The molybdate urine test in determination of the activity of rheumatoid arthritis. Krzymien H.
Bull Pol Med Sci Hist 13:154-7, Oct 70
Preservation of urine with sulfamic acid in soluble packages. Peterson JI, et al. Clin Chem 17:954-5, Sep 71
The influence of urinary pH on the plasma half-life of pseudoephedrine in man and dog and a sensitive assay for its determination in human plasma. Kuntzman RG, et al. Clin Pharmacol Ther 12:62-7, Jan-Feb 71
Vicissitudes in research: the twenty-four hour urine collection. Turner WJ, et al.
Clin Pharmacol Ther 12:163-6, Mar-Apr 71
Rapid migration of urine into intestine of chickens. Nechay BR, et al.
Comp Biochem Physiol 26:369-70, Jul 68
Mnaement of metabolic waste in the space environment. Capps WF Jr, et al.
Dis Colon Rectum 14:33-7, Jan-Feb 71
Absence of gonadotropin-inhibiting substance in the urine of pinealectomized rats. Ota M, et al.
Endocrinology 88:816-20, Apr 71
Detection of a hypocalcemic factor in the urine of hypocalcemic rats. Zileli MS, et al.
Endocrinology 87:1051-4, Nov 70
Factors stimulating cell growth compared by isoelectric focusing. Ecsenyi M.
Exp Cell Res 65:123-8, Mar 71
Drinking and urine production in the European eel (Anguilla anguilla L.). Gaitskell RE, et al.
Gen Comp Endocrinol 16:478-83, Jun 71
The effect of autogenous urine on leukocytic defenses in man. II. The response to varied concentrations of saline, urea, and urine. Johnson AJ, et al.
Invest Urol 8:224-30, Sep 70
Urine as an Ascaris lumbricoides ovicide. Hamdi EI.
J Egypt Med Assoc 53:261-4, 1970
Effect of urinary gonadotrophin-inhibiting substance on endogenous and exogenous ovulatory gonadotrophins in the mouse. Ota M, et al.
J Endocrinol 48:147-5, Sep 70
Hypo-osmotic urine in Nereis diversicolor. Smith RI.
J Exp Biol 53:101-8, Aug 70
Screening for bacteriuria in the newborn nursery: collection of the suitable urine specimen. Randolph MF. J Pediatr 79:463-6, Sep 71
Urinary histamine and urine volume in man. Mitchell RG. J Pharm Pharmacol 23:728, Sep 71
A note on the influence of diet in West Africa on urinary pH and excretion of amphetamine in man. Wesley-Hadzija B.
J Pharm Pharmacol 23:366-8, May 71
Urine temperature measurement in human circadian rhythm studies. Simpson HW.
J Physiol (Lond) 212:29P-30P, Jan 71
Lymphatic abnormalities in patients with chyluria. Chen KC. J Urol 106:111-4, Jul 71
Urine collection problems in the space program. Waikup JL, et al. J Urol 104:898-901, Dec 70
Studies on mechanisms of calcification. I. Properties of urinary derivatives which inhibit cartilage calcification. II. Electron microscopic observations of the effect of inhibitors in crystal formation. Barker LM, et al. Johns Hopkins Med J 127:2-22, Jul 70
The pee-peeper. A micturition-alert device. Dosa S, et al. Lancet 2:530, 4 Sep 71
Diagnosis of accidental hypothermia of the elderly. Fox RH, et al. Lancet 1:424-7, 27 Feb 71
Brown urine--a clue to phenacetin intoxication. Miller AL. Lancet 2:1359, 26 Dec 70
Brown urine as a clue to phenacetin intoxication. Miller AL, et al. Lancet 2:1102-4, 28 Nov 70
Erythromycin and alkalinisation of urine in the treatment of urinary-tract infections due to gram-negative bacilli. Zinner SH, et al.
Lancet 1:1267-8, 19 Jun 71
Filariasis in immigrants in Western Australia, including a case of chyluria recurring in seven pregnancies. Charters AD.
Med J Aust 2:919-22, 14 Nov 70
Collecting urine from small children. Ullathorne MM.
Nurs Times 67:72-4, 21 Jan 71
Leukopoietic activity in human urine following operative procedures. Weiner HL, et al.
Proc Soc Exp Biol Med 136:29-33, Jan 71
Peripelvic extravasation with acute ureteral obstruction. Dudzinski PJ, et al.
Rocky Mt Med J 67:49-50, Dec 70
Lymphangioadenopathy of filariasis. Akisada M, et al.
Trans R Soc Trop Med Hyg 64:885-94, 1970
The daily urinary volume, sodium and potassium in adult Ghanaians. Badoe EA, et al.
West Afr Med J 20:226-7, Apr 71
[Cytological studies of urinary sediment and irrigation specimens obtained by cystoscopy] Pazourek J, et al.
Rozhl Chir 50:395-9, Jul 71 (Cze)
[So-called proximal urine and the initial diuresis of the transplant] Legrain M, et al.
Acta Clin Belg 25:1-11, 1970 (Fre)
[Preliminary data on the acceptance behavior and on the rhythm of the estrus cycle in females submitted to the odor of the urine of the male (Wistar rat)] Aron C, et al.
Ann Endocrinol (Paris) 32:138-41, Jan-Feb 71 (Fre)
[Lympho-pyelic communication with chyluria. Favorable dietetic treatment] Vandevenne A, et al.
Ann Med Interne (Paris) 121:367-74, Mar 70 (Fre)
[Effect of the odor of male urine on groups of female mice] Ropartz P.
C R Acad Sci [D] (Paris) 271:1571-4, 28 Oct 70 (Fre)
[Extravasation of urine revealed by intravenous orography during a nephritic colic crisis (2 cases)] Loeper J, et al.
J Radiol Electrol Med Nucl 50:293-6, May 69 (Fre)
[Urine extravasation revealed by urography during a nephritic colic] Sauvegrain J, et al.
J Radiol Electrol Med Nucl 50:334-8, May 69 (Fre)
[Urine as culture medium for bacteria] Fritsch H, et al.
Arch Hyg Bakteriol 154:154-7, Oct 70 (Ger)
[Excretion of vanilloylmandelic acid in the urine, with special attention to fluid intake and urine volume] Gawellek F, et al. Endokrinologie 56:304-8, 1970 (Ger)
[Estimation of the residual urine using radioisotopes] Magnus HE, et al. Radiologe 10:418-21, Oct 70 (Ger)
[Principle of renal clearance without collection of urine] Cisiaghi F, et al.
Minerva Pediatr 22:1853-5, 15 Sep 70 (Ita)
[A technique for monitoring ureteral peristalsis to remove the effect of changing urine flow] Tsuchida S, et al. Jap J Urol 62:50-7, Jan 71 (Jap)
[Fluorescence of urinary sediment following administration of rondomycin in women with genital neoplasms] Lipska-Rodziewicz T, et al.
Wiad Lek 24:1159-62, 15 Jun 71 (Pol)
[Indices of urine ammonia, titration acidity and pH in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

healthy children] Baltaev UB.
Lab Delo 4:235-7, 1970 (Rus)
[Radiologic detection of residual urine] Finkel'shtein SI. Vestn Rentgenol Radiol 45:83-4, Jul-Aug 70 (Rus)
[Ring precipitation reaction with urine in the diagnosis of viral hepatitis] Kologorov AI.
Zh Mikrobiol Epidemiol Immunobiol 48:100-2, Apr 71 (Rus)
[Various physiopathological aspects in barbiturate poisoning] Molina-Ballesteros G, et al.
Gac Med Mex 100:547-50, May 70 (Spa)
[Renal excretion of hydrogen ions after administration of ammonium chloride in infants] Mathéová E, et al.
Cesk Pediatr 26:71-4, Feb 71 (Slo)
[Effect of diet on acidification of urine] Tajtáková C, et al. Cesk Pediatr 26:180-2, Apr 71 (Slo)

ANALYSIS

Seasonal variations in ovine urinary constituents, with special reference to pH and potassium concentration. Weaver AD. Am J Vet Res 32:813-6, May 71
Use of random specimens of urine to compare dietary intakes of African and British children. Widdowson EM, et al. Arch Dis Child 45:547-52, Aug 70
Serum half life in mice of colony stimulating factor prepared from human urine. Metcalf D, et al. Br J Haematol 20:549-56, May 71
Influence of certain components of a chemically defined diet on urinary excretion of ultraviolet-absorbing compounds. Butts WC, et al. Clin Chem 17:956-7, Sep 71
Separation and identification of urinary constituents by use of multiple-analytical techniques. Mrochek JE, et al. Clin Chem 17:72-7, Feb 71
High-resolution chromatography of complex organic mixtures. Stevenson RL, et al.
Clin Chem 17:774-81, Aug 71
Influence of a chemically defined diet on the composition of serum and urine. Young DS, et al. Clin Chem 17:765-73, Aug 71
Profile of volatile metabolites in human urine. Zlatkis A, et al. Clin Chem 17:592-4, Jul 71
Sensitivity and specificity of five screening tests for diabetes in ten countries. West KM, et al.
Diabetes 20:289-96, May 71
Presence of a gonadotropin inhibiting substance in the urine of albino rats. Ota M, et al.
Endocrinol Jap 17:333-7, Oct 70
The art and gentle science of Pisse-Prophecy. Gardner KD Jr. Hawaii Med J 30:166-9, May-Jun 71
Facts and artifacts in the microscopic examination of urine sediment. Glenn BL.
J Am Vet Med Assoc 157:1667-71, 1 Dec 70
Analysis of urine of the northern fur seal. Keyes MC, et al. J Am Vet Med Assoc 159:567-70, Sep 71
The separation of the ultraviolet-absorbing constituents of urine by high-pressure liquid chromatography. Burtis CA.
J Chromatogr 52:97-108, 7 Oct 70
You can't determine kidney retention by measuring urinary excretion. Blau M, et al.
J Nucl Med 11:769-70, Dec 70
Correlative study of renal function and serial urine osmolalities following 14-hour fluid deprivation. Donat PE, et al.
J Okla State Med Assoc 63:257-63, Jun 70
Effects of 0·9 per cent saline infusion on urinary and renal tissue composition in the hydropaenic, normal and hydrated conscious rat. Atherton JC, et al.
J Physiol (Lond) 210:45-71, Sep 70
Multiple screening with the technicon autoanalyzer, and mass urinalysis. Irwin WG.
J R Coll Gen Pract 21:199-213, Apr 71
Osmolality of the urine of newborn infants. Tan KL, et al. J Singapore Paediatr Soc 12:135-9, Oct 70
Medical therapy of renal calculi. Drach GW, et al.
J Urol 104:635-9, Nov 70
Urine, boric acid, and osmolality. Goodwin S, et al.
Lancet 2:1320, 19 Dec 70
Emergency chemical pathology service in central London. Landon J, et al. Lancet 2:480-2, 28 Aug 71
Urinalysis and the urinary sediment. Brody LH, et al.
Med Clin North Am 55:243-66, Jan 71 (70 ref.)
Quantitative estimation of the urinary sediment after renal transplantation. Ooi BS, et al.
Med J Aust 2:967-70, 10 Oct 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Normal laboratory values. N Engl J Med 283:1276-85, 3 Dec 70
Quantitation of potential metabolic acid in infant food and excreta. Relationship to whole body hydrogen ion balance. Teree TM, et al.
Pediatrics 47:Suppl 2:239+, Jan 71
The molecular weight of colony-stimulating factor (CSF). Stanley ER, et al.
Proc Soc Exp Biol Med 137:1029-31, Jul 71
Screening for metabolic disorders using gas-liquid chromatography, mass spectrometry, and computer technique. Jellum E, et al.
Scand J Clin Lab Invest 27:273-85, May 71
The Sda blood group antigen. Biochemical properties of urinary Sda. Morton JA, et al.
Vox Sang 19:151-61, Aug 70
[Significance of urinary changes, creatinine and serum electrolyte determination in old age] Schulz HJ, et al.
Dtsch Gesundheitsw 25:2374-8, 10 Dec 70 (Ger)
[The art of urine viewing--a noble and necessary branch of the beautiful medicine] Bieker J.
Hippokrates 41:385-95, Sep 70 (Ger)
[Residual urine in the healthy child] Steinert V, et al.
Kinderaerztl Prax 38:556-64, Dec 70 (Ger)
[Thin layer standard chromatograms of hypnotics and meprobmate after passage through the body] Riechert M. Med Lab (Stuttg) 23:257-64, Nov 70 (Ger)
[Uricult, a simple procedure for the determination of bacterial count in urine] Schmid I, et al.
Med Lab (Stuttg) 23:254-6, Nov 70 (Ger)
[Strip testing of urine in school medical examinations. Methods and results] Akiniaja-Mayer G.
Munch Med Wochenschr 113:261-4, 19 Feb 71 (Ger)
[Creatinine elimination rate as reference value for analysis of urine samples. I. Effect of daily urine volume and circadian rhythm on creatinine excretion] Szadkowski D, et al.
Z Klin Chem Klin Biochem 8:529-33, Sep 70 (Ger)
[Daily serum complement (C'H50, beta 1C globulin) and erythrocyturia in active chronic glomerulonephritis during immunosuppressive therapy with azathioprine] Castellani A, et al.
G Clin Med 50:292-309, 4 Apr 69 (Ita)
[The short acidification test with administration of ammonium chloride in pediatrics] Satolli E, et al.
Minerva Pediatr 23:453-6, 17 Mar 71 (Ita)
[Cytology of urinary sediments in the diagnosis of renal, extrarenal and bladder diseases] Anardi V, et al. Rass Int Clin Ter 49:687-98, 15 Jun 69 (Ita)
[The role of qualitative urine tests] Hayashi Y.
J Jap Med Assoc 65:311-8, 1 Feb 71 (Jap)
[Quality control of general laboratory examinations, with special reference to urine analysis] Igari J, et al.
Jap J Clin Pathol 18:Suppl:9-16, 1970 (Jap)
[Cytological methods of determination of estrogenic saturation of the organism] Dunaevskiĭ IaL, et al.
Lab Delo 7:404-6, 1970 (Rus)
[Laboratory diagnosis of pyelonephritis] Pytel' IuA, et al. Lab Delo 7:387-93, 1970 (Rus)
[Arrangement and evaluation of color precipitation reaction of urine] Vasil'ev EA.
Lab Delo 7:399-402, 1970 (Rus)
[Possibility of detecting sperm, urine, saliva and perspiration in washed and ironed-over stains. 2. Detection of urine, saliva and perspiration in washed stains. Detection of excretions in ironed-over stains] Barsegiants LO.
Sud Med Ekspert 13:45-8, Jul-Sep 70 (Rus)
[Effect of various diseases, drug therapy and alcoholic beverages on the possibility of detecting saliva and urine in stains] Barsegiants LO.
Sud Med Ekspert 14:30-2, Apr-Jun 71 (Rus)
[Selectivity of proteinuria in glomerulonephritis according to sephadex G-200 gel filtration of serum and urine] Galkina LP. Ter Arkh 42:83-7, Nov 70 (Rus)
[Stimulation of urinary excretion of hydrogen ions by means of glutamine injections in dogs] Díes F, et al.
Rev Invest Clin 22:291-302, Jul-Sep 70 (Spa)

CYTOLOGY

"Comet" or "decoy" cells found in urinary sediment smears. Crabbe JG.
Acta Cytol (Baltimore) 15:303-5, May-Jun 71
Epithelial cells in urine sediments. Kern WH.
Am J Clin Pathol 56:67-72, Jul 71
Urinary cytology in experimental toxic renal injury. Kennedy A, et al. Ann Rheum Dis 29:546-52, Sep 70
White cells and bacteria in voided urine of healthy newborns. Littlewood JM.
Arch Dis Child 46:167-72, Apr 71
Bladder aspiration in diagnosis of urinary tract infection. Sharma SK. Arch Dis Child 45:813-4, Dec 70
Abnormal urinary sediment during therapy with synthetic salmon calcitonin. Hantman DA, et al.
J Clin Endocrinol Metab 33:564-6, Sep 71
Relationship between hormonal cytology and steroid excretion in post-menopausal women. Waard F de, et al. J Endocrinol 48:xxxvi, Dec 70
The value of leucocyte excretion rates in determining "at risk" patient with asymptomatic bacilluria. Wren BG. J Obstet Gynaecol Br Commonw 78:130-5, Feb 71
Fluorescence microscopy of urinary sediment. Derrich FC Jr. J Urol 105:436-9, Mar 71
Urinalysis and the urinary sediment. Brody LH, et al.
Med Clin North Am 55:243-66, Jan 71 (70 ref.)
A rapid slide method for urine cell counts. Thomas M.
Med Lab Technol 28:38-9, Jan 71
Exfoliative urinary cytology. A useful clinical tool. Rife CC. Minn Med 5:507-9, Jul 71
Cyclic urinary leukopoietic activity in gray collie dogs. Brown CH, et al. Science 173:152-3, 9 Jul 71
[Use of phase contrast and polarized light in microscopy of urine] Spencer ES, et al.
Nord Med 85:144-9, 4 Feb 71 (Dan)
[Experiences with a simplified determination of leukocyte excretion in the diagnosis of chronic pyelonephritis] Gerhardt W, et al.
Dtsch Gesundheitsw 25:1345-8, 16 Jul 70 (Ger)
[Experience with the routine simultaneous bacteria and leukocyte count in the urine of children] Krepler P. Kinderaerztl Prax 37:239-45, Jun 69 (Ger)
[A machine for determining the ADDIS count and performing the prednisolone-provocation test in infants and children without use of an indwelling catheter] Mücke D, et al.
Kinderaerztl Prax 37:221-5, May 69 (Ger)
[The urocytogram] Haour P.
Med Lab (Stuttg) 24:84-94, Apr 71 (Ger)
[Leukocyte differentiation in stained urinary urinary sediment] Stolze M, et al.
Z Urol Nephrol 62:555-60, 1969 (Ger)
[Significance of hourly lymphocyturia for diagnostic evaluation of renal lesions on an immunological basis] Vangelista A, et al.
Bull Sci Med (Bologna) 142:110-3, Jan-Mar 70 (Ita)
[Method for the simultaneous determination of urinary leukocytes and Sterngeimer-Malbin cell hourly excretion rate] Pistelli G.
Minerva Nefrol 16:306-14, Jul-Aug 69 (Ita)
[Urinary exfoliative cytology (diagnosis of malignant tumors of the uropoietic system by means of cytologic examination o urinary smears)] Martuzzi M, et al.
Pathologica 61:51-9, Jan-Feb 69 (Ita)
[Urinary bacterial levels and urinary leukocyte count and Gram bacterioscopy as indices of infection in normal students of both sexes] Pabst PA, et al.
Hospital (Rio de J) 78:477-90, Aug 70 (Por)
[Quantitative study of excretion of reguair elements in urine (review of the literature)] Kanatbaeva AB.
Lab Delo 7:393-9, 1970 (49 ref.) (Rus)
[Quantitative determination of formed elements in the urine of normal subjects and in patients with various types of hypertension and various diseases of the kidney] Ark E, et al.
Turk Tip Cemiy Mecm 35:699-714, 1969 (Tur)

DRUG EFFECTS

Effects of dextran 40 on urine flow and composition during renal hypoperfusion in dogs with osmotic nephrosis. Diomi P, et al. Ann Surg 172:813-24, Nov 70
[Urine acidification with drugs] Sommerkamp H, et al.
Urologe 10:145-51, Jul 71 (Ger)

IMMUNOLOGY

Urinary excretion of kidney antigens in rats with experimental glomerulonephritis and pyelonephritis. Dishon T, et al. Exp Mol Pathol 15:126-35, Aug 71
Studies on the origins of 'tissue' antigens and enzymes in normal human urine. Greene EL, et al.
Int Arch Allergy Appl Immunol 40:861-80, 1971
Patterns of distribution and urinary excretion of male rat accessory sex gland-specific antigens. Rosenmann E, et al. J Reprod Fertil 23:383-91, Dec 70
[Detection of the Au (1) antigen associated with hepatitis in ascitic fluid and in urine in some cirrhosis patients] Runcan V, et al.
Med Interna (Bucur) 22:1183-8, Oct 70 (Rum)

MICROBIOLOGY

The effect of bacterial growth on the hydrogen ion concentration in urine. Gnarpe H.
Acta Pathol Microbiol Scand [B] 78:203-7, 1970
T-mycoplasmas in the genito-urinary tract of the female. Mårdh PA, et al.
Acta Pathol Microbiol Scand [B] 78:367-74, 1970
A comparative study of a screening test for bacteriuria. Billinson MR, et al.
Am J Obstet Gynecol 106:988-9, 15 Nov 70
Isolation of L-forms in a clinical microbiology laboratory. Swierczewski JA, et al.
Appl Microbiol 20:323-7, Sep 70
Dip-inoculum urine culture.
Drug Ther Bull 9:17-8, 26 Feb 71
Monitoring for recurrent bacteriuria by parents. Dodge WF, et al. J Pediatr 78:859-61, May 71
Bacteriological and urinary findings in adolescent Egyptian males with and without urinary schistosomiasis. Carter JP, et al.
J Trop Med Hyg 73:211-7, Sep 70
Positive urine cultures in pediatric medicine: significance and evaluation. Levi DE, et al.
J Urol 104:944-6, Dec 70
Urinary bacterial culture, stained sediment examination and drug disk sensitivity testing in the office: a study of their usefulness and reliability in the diagnosis and treatment of urinary tract infection. McLin PH, et al. J Urol 106:102-5, Jul 71
Is the urine infective in serum hepatitis? Blainey JD, et al. Lancet 1:797, 17 Apr 71
Boric-acid preservation of urine samples. Brodie J, et al. Lancet 1:133, 16 Jan 71
New human papovavirus (B.K.) isolated from urine after renal transplantation. Gardner SD, et al.
Lancet 1:1253-7, 19 Jun 71
Detection of Australia-SH-antigen in urine. Tripatzis I, et al. Nature (Lond) 231:286-7, 28 Mar 71
An evaluation of midstream urine cultures in the diagnosis of urinary tract infections in females. Pfau A, et al. Urol Int 25:326-41, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Isolation of Pasteurella multocida from the urine of steers. Stalheim OH, et al. Vet Rec 87:135-6, 1 Aug 70
The "Uroscreen" test for significant bacteriuria in pregnancy. Hutchings RF, et al.
West Indian Med J 19:71-7, Jun 70
[The incidence of anaerobes of the Clostridium genus in urocultures] Bittner J, et al.
Arch Roum Pathol Exp Microbiol 28:519-29, Jun-Sep 69 (Fre)
[A transportation media for the semiquantitative strain determination in the urine] Wachtel D.
Dtsch Gesundheitsw 25:759-63, 23 Apr 70 (Ger)
[Maximum permissible time interval between the collection of urine samples and quantitative bacteriological tests] Wichmann G, et al.
Dtsch Gesundheitsw 25:1319-22, 10 Jul 70 (Ger)
[Quantitative urine diagnostics] Böhlck I, et al.
Med Welt 24:985-8, 12 Jun 71 (Ger)
[Results and experiences in the diagnosis of bacteriuria with Uricult] Brühl P, et al.
Urologe 10:14-7, Jan 71 (Ger)
[Changes in the microbial count in urine at room temperature] Rotter M, et al.
Wien Klin Wochenschr 83:170-2, 12 Mar 71 (Ger)
[Asymptomatic bacteriuria in pregnancy] Herbold H, et al. Z Geburtshilfe Gynaekol 174:1-8, 1971 (Ger)
[Bacteriological study of urine obtained by bladder puncture after several days of storage] Thieler H, et al. Z Gesamte Inn Med 26:33-6, 1 Jan 71 (Ger)
[Criteria of bacterial count in urine. I. The growth of Escherichia coli, Streptococcus faecalis, Proteus vulgaris and Staphylococcus aureus in urine] Breunung M, et al.
Zentralbl Bakteriol [Orig] 216:239-54, 1971 (Ger)
[Criteria of germ number determination in urine. II. The growth of Escherichia coli and Staphylococcus aureus in urine, tested on the model of the child bladder] Breunung M, et al.
Zentralbl Bakteriol [Orig] 217:63-73, May 71 (Ger)
[Cultures of midstream urine in the diagnosis of urinary tract infection in wome] Pfau A, et al.
Harefuah 79:170-4, 16 Aug 70 (Heb)
[Research on the frequency and sensitivity of microbial species isolated from urine to some antibiotics and chemotherapeutics] Pitzus E.
Ig Mod 63:400-19, 1970 (Ita)
[Studies on the pathogenecity of urinary Escherichia coli] Kawada Y. Jap J Urol 62:308-24, Apr 71 (Jap)
[Characteristic of the causative agents of acute pneumonia isolated from patients treated with antibiotics] Abkarovich GF.
Antibiotiki 15:854-7, Jul 70 (Rus)
[Disinfection of liquid manure in listeriosis]
Baranenkov MA. Veterinariia 12:18-20, Dec 70 (Rus)
[Urine culture after thirst] Brönnestam R, et al.
Nord Med 85:779, 24 Jun 71 (Swe)

PHYSIOLOGY

A simplified system for urodynamic observations. Edwards L, et al. Br J Urol 43:228-32, Apr 71
Continuous measurement of urine loss and frequency in incontinent patients. Preliminary report. James ED, et al. Br J Urol 43:233-7, Apr 71
A direct reading uroflowmeter for male and female use. Roy RR. Br J Urol 43:239-42, Apr 71
Further studies of a natriuretic substance occurring in human urine and plasma. Sealey JE, et al.
Circ Res 28:Suppl 2:32-43, May 71
The influence of hepatic portal circulation on urine flow. Liang CC. J Physiol (Lond) 214:571-81, May 71
[Uroflowmetry in combination with the Bauer cystometer] Bauer KM. Urologe 9:219-20, Jul 70 (Ger)

SECRETION

Water and solute transport by the Malpighian tubules of the stick insect, Carausius morosus. The normal ultrastructure of the type 1 cells. Taylor HH. Z Zellforsch Mikrosk Anat 118:333-68, 1971

URINE CONCENTRATING ABILITY see KIDNEY

CONCENTRATING ABILITY (G1)

UROBILIN (D10)

ANALYSIS

[Human urobilin metabolism. I. A new method for the determination of urobilin in human serum and urine] Schmidt M, et al. Biut 22:120-4, Mar 71 (Ger)

UROBILINOGEN (D10)

METABOLISM

Comparison of fecal urobilinogen excretion with bilirubin production in normal volunteers and patients with increased bilirubin production. Bloomer JR, et al. Clin Chim Acta 29:463-71, Sep 70

URINE

Screening test for acute porphyria. With TK.
Lancet 2:1187-8, 5 Dec 70
[Urobilinogen detection with test sticks. A practical diagnostic test, especially for mass examinations] Kathke N.
Munch Med Wochenschr 113:916-8, 11 Jun 71 (Ger)
[JNV-test for differentiation of the urine Ehrlich's aldehyde color reaction. Clinical application]
Kanazawa T, et al. Naika 26:525-30, Sep 70 (Jap)
[Clinical evaluation of a series of indices of pigment metabolism in viral hepatitis in children] Kupershtein AP. Pediatriia 50:37-44, Jan 71 (Rus)

UROGASTRONE see under GASTROINTESTINAL

HORMONES (D8)

UROGENITAL DISEASES, FEMALE see under

GYNECOLOGIC DISEASES (C6)

UROGENITAL DISEASES, FEMALE see under

UROLOGIC DISEASES (C8)

UROGENITAL DISEASES, MALE see under

UROLOGIC DISEASES (C8)

UROGENITAL DISEASES, MALE see under

GENITAL DISEASES, MALE (C6)

UROGENITAL NEOPLASMS (C2)

Urologic abdominal masses in children. Long WW Jr, et al. J SC Med Assoc 67:172-4, Apr 71
Terminology in uropathology: a plea for consensus, including a discussion of retroplasia versus metaplasia. Melicow MM. J Urol 105:714-9, May 71
Spermatic cord tumors: a case report. Krawitt DR, et al.
Mt Sinai J Med NY 37:603-6, Sep-Oct 70
[Multiple primary malignant tumors of the urogenital apparatus (2 new cases)] Steg A, et al.
Ann Urol (Paris) 4:159-66, Sep 70 (Fre)
[Primary seminal vesicle carcinoma] Saidinejad H.
Z Urol Nephrol 63:697-702, Sep 70 (Ger)
[Penile metastases. Case contribution report] Brunetti A. Arch Ital Urol Nefrol 42:409-29, 1969 (Ita)
[Tumors of the spermatic cord. Causistical contribution] Fossati G, et al.
Cancro 21:413-29, 1968 (Ita)
[Leiomyoma of the scrotum: suggestive of malignancy] Matsubara J, et al.
Jap J Cancer Clin 17:151-4, 1971 (Jap)
[A study on the metastatic sites of the malignant urogenital tumors] Takayasu H, et al.
Jap J Urol 61:1097-101, Nov 70 (Jap)
[Adenocarcinoma of the seminal vesicles] Lipets Vla.
Arkh Patol 32:80-2, 1970 (Rus)

CHEMICALLY INDUCED

Oil cancer in the Savoy Alps and the Birmingham region: a comparison. Kipling MD.
Trans Soc Occup Med 21:73-8, Jul 71

COMPLICATIONS

[Simultaneous diseases in hypernephroid kidney carcinoma] Ferber C.
Z Urol Nephrol 63:715-23, Sep 70 (Ger)
[On malignant obstructive uremia] Sesenna R, et al.
Arch Ital Urol Nefrol 43:7-16, 1970 (Ita)

CONGENITAL

[Congenital fibromatosis with primary periurethral expression] Cellesi C, et al.
Arch De Vecchi Anat Patol 54:787-93, Apr 69 (Ita)
[Pedicled phyma of the perineal region] Motoi S, et al.
Jap J Clin Pathol 18:811, Nov 70 (Jap)

DIAGNOSIS

The development of a urological cytodiagnosis service and an evaluation of its success. Cowen PN.
J Clin Pathol 24:107-12, Mar 71
Exfoliative urinary cytology. A useful clinical tool. Rife CC. Minn Med 5:507-9, Jul 71
[Biopsy in urologic tumor diagnosis] Pupato F.
Ther Umsch 27:314-26, May 70 (Ger)
[The uses of exfoliative cytology in the prevention, diagnosis and control of extragenital tumors. Its current use in Italy] Maltoni C, et al.
Minerva Ginecol 22:1093-115, 30 Nov 70 (Ita)
[Urinary exfoliative cytology (diagnosis of malignant tumors of the uropoietic system by means of cytologic examination o urinary smears)] Martuzzi M, et al.
Pathologica 61:51-9, Jan-Feb 69 (Ita)
[Radiographic and scintigraphic evaluation of renal dimensions in urological diagnosis] De Rossi G, et al.
Radiobiol Radioter Fis Med 24:291-310, Sep-Oct 69 (Ita)
[Thermographic investigation in the study of superficial and semi-superficial neoplastic processes]
Garusi G. Tumori 56:149-63, May-Jun 70 (Ita)
[Pathomorphosis in the clinical picture of several urologic diseases] Pytel' AIa, et al.
Klin Med (Mosk) 48:138-43, Aug 70 (Rus)

DRUG THERAPY

Hormones in advanced cancer.
Br Med J 2:760-3, 26 Jun 71
Carcinoma of Cowper's gland treated with chemotherapy. Keen MR, et al. J Urol 104:854-9, Dec 70
Chemotherapy for genitourinary malignancy. Arduino LJ. Minn Med 5:519-23, Jul 71

ENZYMOLOGY

Urine and blood serum muramidase (lysozyme) in patients with urogenital tumors. Kovanyi G, et al.
Eur J Cancer 7:25-31, Feb 71
[Behavior of urinary and blood lactate dehydrogenase in various pathological states] Emanuele M, et al.
Minerva Med 61:24-9, 6 Jan 70 (Ita)

ETIOLOGY

Viruses and human cancer. Evidence for a viral etiology of human genitourinary neoplasms. Fraley EE.
Minn Med 5:499-502, Jul 71
[Cancer of the scrotum of occupational origin] Perrot J, et al.
Bull Soc Fr Dermatol Syphiligr 76:371-2, 1969 (Fre)
[Carcinoma arising from urinary fistula on the perineum: report of an autopsy case] Tokuhara M.
Acta Urol Jap 16:593-9, Oct 70 (Jap)

HISTORY

A monstrous growth: an historical note on carcinoma of the scrotum. Kipling MD, et al.
Br J Ind Med 27:382-4, Oct 70

OCCURRENCE

Rhabdomyosarcoma. A study of 27 cases, Royal Children's Hospital, Melbourne 1954-1968. Santamaria JN, et al. Australas Radiol 14:438-42, Nov 70
Viral carcinogenesis in venereally susceptible organs. Ravich A. Cancer 27:1493-6, Jun 71
Epithelioma of the scrotum in Scotland in 1967. Doig AT. Health Bull (Edinb) 28:45-51, Jul 70
Genitourinary cancers in Minnesota. Blackard CE.
Minn Med 5:497-8, Jul 71

PATHOLOGY

Papillary cystadenoma of the epididymis. A clinicopathologic analysis of 20 cases. Price EB Jr.
Arch Pathol 91:456-70, May 71
Spontaneous cancers in Praomys (Mastomys) natalensis. Hollander CF, et al.
J Natl Cancer Inst 46:1343-55, Jun 71
The structure and function of tumours of dysgenetic gonads. Pettigrew NM, et al. J Pathol 103:p18, Feb 71
[Urothelium cancer: pathologic anatomy] Bernier L.
Laval Med 41:44-5, Jan 70 (Fre)
[Urothelium cancer: diagnostic value of urinary cytology] Dubreuil-Charrois M.
Laval Med 41:37-8, Jan 70 (Fre)
[Further study of extramammary Paget's disease, with special reference to electron microscopically discernible granular substances in Paget cells]
Ishibashi Y, et al.
Arch Klin Exp Dermatol 238:366-80, 1970 (Ger)
[Diseases of the exterior female genitalia. Adnexal neoplasms, cylindroma (Spiegler's tumor)] Grimmer H. Z Haut Geschlechtskr 46:123-30, 15 Aug 71 (Ger)
[Dermoid cyst of the spermatic cord] Diemer KF.
Z Urol Nephrol 63:811-3, Nov 70 (Ger)
[Adenomatoid tumor and mesothelioma of the male genital tract] Fujita K, et al.
Jap J Urol 62:257-61, Mar 71 (Jap)
[Malignant tumors of the urogenital sinus in children]
Kratochvíl M, et al.
Bratisl Lek Listy 55:110-5, 1971 (Slo)

PREVENTION & CONTROL

[Clinical-statistical report on the activities of the Center for the Prevention of Tumors of the Female Genital Apparatus at the Hospital S. Croce in Moncalieri] Giuliano G.
G Batteriol Virol Immunol 63:212-6, Jan-Jun 70 (Ita)

RADIOGRAPHY

Involvement of the duodenum by metastases from tumours of the genital tract. Ngan H.
Br J Radiol 43:701-5, Oct 70
[Utility of lymphography in urology] Do The Khiem.
Acta Urol Belg 37:359-62, 1969 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Radiologic examination of the urinary tract in cases of urothelium tumors] Fortin R.
Laval Med 41:32-6, Jan 70 (Fre)
[Lymphangioadenography in urology] Fussek H.
Helv Chir Acta 37:451-4, Aug 70 (Ger)
[Diagnostic lymphoadenography in tumors of the urogenital system] Marcelli G, et al.
Arch Ital Urol Nefrol 42:350-60, 1969 (Ita)
[Lymphographic findings in Paget's disease] Oikawa M, et al. Rinsho Hoshasen 16:46-51, Jan 71 (Jap)

RADIOTHERAPY

Recent advances in radiation therapy.
Ann Intern Med 75:97-110, Jul 71
[Radiation injuries in the urinary tract] Jönsson G.
Nord Med 85:122, 28 Jan 71 (Swe)

SURGERY

Cryosurgery in urology. Alder AB.
Br J Urol 42:744, Dec 70
Urology. Waterhouse RK.
Surg Gynecol Obstet 132:24-6, Feb 71
[Indication for plastic surgery in the urogenital tract] Mayor G. Ther Umsch 27:298-305, May 70 (Ger)
[Indication of nephrostomy and ureterostomy for cases of intrapelvic carcinomas: with special reference to observations on critical preoperative evaluation] Fujita K, et al. Jap J Urol 62:58-65, Jan 71 (Jap)
[Symposium: transurethral resection] Koshiba T, et al.
Jap J Urol 61:871-6, Sep 70 (Jap)

URINE

[Urinary excretion of testosterone in patients with skin diseases and genital tumors and breast tumors] Calandra P. G Ital Dermatol 45:533-6, Sep 70 (Ita)

UROGENITAL SYSTEM (A5)

Genito-urinary nursing care of the spinal cord injury patient at the Long Beach Spinal Cord Injury Center. McCullough JF.
Proc Annu Clin Spinal Cord Inj Conf 16:114-6, 1967
Adaptation of the Millon, Sudan black B, and periodic acid-Schiff technics for block staining of insect tissues. Gerber GH. Stain Technol 45:225-9, Sep 70
[The topography of the pelvi-perineal organs in an asymetric pelvis] Kamina P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:194-6, Apr-May 70 (Fre)
[Sterility in urogenital trichomoniasis] Schmör J.
Wien Med Wochenschr 120:806-12, 14 Nov 70 (Ger)

ABNORMALITIES

[Radiosymptomatologic aspects of urolithiasis in some dysplasias of the urinary tract] Pavlica P, et al. Ann Radiol Diagn (Bologna) 43:159-200, 1971
Uterus in a male. Mitra A, et al. Br Med J 3:645, 12 Sep 70
A prune belly (triad syndrome). Baker NM.
Cent Afr J Med 17:86-8, Mar 71
Upper urinary tract abnormalities associated with cryptorchidism. Laneri JP Jr. Int Surg 54:382-4, Nov 70
Vesicoureteral reflux in children. Frequency and associated urologic abnormalities. Cussen LJ.
Invest Urol 8:640-4, May 71
Urinary tract abnormalities in the dog. Pearson H, et al.
J Small Anim Pract 12:67-84, Feb 71
Genitourinary tract abnormalities in Turner's syndrome (gonadal dysgenesis). Persky L, et al.
J Urol 105:309-13, Feb 71
Urogenital sinus outlet obstruction. Tank ES, et al.
J Urol 104:769-73, Nov 70
Renal transplantation in children with corrected abnormalities of the lower urinary tract. Tunner WS, et al. J Urol 106:133-9, Jul 71
Association of Perthes' disease with congenital anomalies of genitourinary tract and inguinal region. Catterall A, et al. Lancet 1:996-7, 15 May 71
Legg-Perthes' disease and genitourinary-tract anomalies. Lowry RB. Lancet 2:266, 31 Jul 71
The use of contrast media in the diagnosis of urinary tract abnormalities in the dog, with particular reference to infusion urography: a report of two cases. Walker RG, et al. Vet Rec 87:287-90, 5 Sep 70
[Urinary tract malformations in children with urinary tract infections] Haahr J.
Nord Med 85:281-5, 4 Mar 71 (Dan)
[Vesico-ureteral reflux in children] Haahr J.
Nord Med 85:810-1, 1 Jul 71 (Dan)
[Urinary tract malformations in children with urinary tract infections] Haahr J.
Nord Med 85:810, 1 Jul 71 (Dan)
[The significance of enuresis. Its semeiologic value in uronephrology] Lagrue G.
Cah Med 12:545-9, 15 May 71 (Fre)
[Asymmetrical bifidities with unilateral menstrual retention (apropos of 12 cases)] Robert H.
Chirurgie 96:796-9, 1970 (Fre)
[Obstructions of the low urinary tract in the child] Grasset D.
J Urol Nephrol (Paris) 76:Suppl 9:1-174, Oct 70 (Fre)
[Simultaneous occurrence of an open Gartner-duct cyst, a homolateral aplasia of the kidney and a double uterus as a typical syndrome of abnormalities] Heriyn U, et al.
Geburtshilfe Frauenheilkd 31:340-7, Apr 71 (Ger)
[The importance of sex determination in malformations of the urogenital system] Schönenberg H, et al. Urologe 9:265-9, Sep 70 (Ger)
[Multiple urogenital abnormalities] Kondás J.
Orv Hetil 112:1283-4, 30 May 71 (Hun)
[Double penis, multiple urogenital and intestinal abnormalities in 2 newborn infants] Korányi G, et al.
Orv Hetil 112:1399-403, 13 Jun 71 (Hun)
[Some problems of childhood enuresis. Its relation to urinary tract diseases and abnormalities] Szamosi J, et al. Orv Hetil 112:1093-7, 9 May 71 (Hun)
[Congenital hypoplasia of the abdominal muscles with genitorinary abnormalities. Anatomo-clinical contribution] Anastasio M, et al.
Ann Ital Chir 45:303-20, 1969 (Ita)
[Agenesis of the urogenital sinus in a malformed fetus (sirenomelus)] Bartolini R.
Minerva Ginecol 22:1006-12, 31 Oct 70 (Ita)
[Congenital nephrosis in a subject with malformations of the urogenital system and bile ducts] Crisalli M, et al. Minerva Pediatr 22:2432-40, 8 Dec 70 (Ita)
[Presentation of 4 cases of Turner's syndrome "in the strict sense". Considerations on the abnormalities of the skeletal and urinary systems] Garofalo P, et al.
Minerva Pediatr 23:316-35, 25 Feb 71 (Ita)
[Radiographic and scintigraphic evaluation of renal dimensions in urological diagnosis] De Rossi G, et al.
Radiobiol Radioter Fis Med 24:291-310, Sep-Oct 69 (Ita)
[Case of exstrophy of the cloaca] Sameshima N, et al.
Shujutsu 25:899-904, Jul 71 (Jap)
[Certain indices of renal function in cases of rare developmental anomalies of the urinary tract in Turner's syndrome] Goncerzewicz M, et al.
Pol Tyg Lek 25:1801-2, Nov 70 (Pol)
[Congenital solitary kidney and genital abnormalities (apropos of a case)] Teixeira PA.
Rev Bras Med 27:553-4, Nov 70 (Por)
[A case of development anomaly of the cloaca] Lodovici O, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:69-74, Apr 71 (Por)
[Method of x-ray examination of children with a doubled urinary tract] Skvortsova ZN.
Pediatriia 49:53-7, Nov 70 (Rus)
[Accessory kidney in an infant with multiple developmental defects of the urinary system] Bubnova NI.
Vopr Okhr Materin Det 16:75-7, Feb 71 (Rus)
[Prune belly syndrome] Castañón Morales J, et al.
Minerva Pediatr 22:1338-9, 30 Jun 70 (Spa)
[Congenital malformations of the urogenital system: their incidence and complications] Claret AJ, et al.
Prensa Med Argent 57:1015-7, 24 Jul 70 (Spa)
[Renal and urinary tract malformations (anatomopathologic experience)] Latorre JJ, et al.
Rev Chil Pediatr 41:433-8, Jun 70 (Spa)
[Autopsies of urogenital abnormalities in childhood] Wenger J, et al.
Rev Chil Pediatr 41:525-31, Jul 70 (Spa)

ANATOMY & HISTOLOGY

The musculature of the upper urinary tract. Gosling JA.
Acta Anat (Basel) 75:406-22, 1970
Evolutionary morphology of the caecilian urogenital system. II. The kidneys agd urogenital ducts. Wake MH. Acta Anat (Basel) 75:321-58, 1970
The morphology of the inferior uro-genital structures in the female newborn rat. Madjerek ZS, et al.
Acta Morphol Neerl Scand 8:343-56, May 71

BLOOD SUPPLY

[Use of an intestinal transplant for revascularization and reinnervation of organs of the urinary system in children] Doletskif SIa, et al.
Khirurgiia (Mosk) 46:140-4, Apr 70 (Rus)

CYTOLOGY

[Cytophysiological study of the thoracic nephridia of a polychaetous Annelid (Sabella). I. Ultrastructural bases of the permeability of the walls of the ascending and descending branches and of the dissepiment] Koechlin N.
Arch Anat Microsc Morphol Exp 59:231-60, Oct-Dec 70 (Fre)

EMBRYOLOGY

Extracellular specializations associated with hemidesmosomes in the fetal rat urogenital sinus. Flickinger CJ. Anat Rec 168:195-202, Oct 70
Cell death, thyroxine and the development of Rana temporaria larvae with special reference to the pronephros. Fox H. Exp Gerontol 6:173-7, Apr 71
Spina bifida with associated choristoma of Müllerian origin. Kurman RJ, et al. J Pathol 99:324-7, Dec 69
Ultrastructure of the cryptonephridial system in the meal worm Tenebrio molitor. Koefoed BM.
Z Zellforsch Mikrosk Anat 116:487-501, 1971
The persistence of the dextrolateral Müllerian duct in hens (Gallus gallus) in the post-incubation period. Vernerová-Procházková.
Zentralbl Veterinaermed [A] 18:264-75, May 71
[Action of human testis on rat fetus Muller's duct in organ culture] Josso N.
C R Acad Sci [D] (Paris) 271:2149-52, 9 Dec 70 (Fre)
[The Wolffian duct induces the formation of the ostium of the Müllerian duct: demonstration in the chick embryo] Didier E.
J Embryol Exp Morphol 25:115-29, Feb 71 (Fre)

IMMUNOLOGY

Immunoglobulins of the hamster. 3. Immunofluorescent localization of gamma-A, gamma-1, and gamma-2 in various tissues. Dolezel J, et al. Can J Microbiol 16:727-31, Aug 70

INJURIES

Diagnosis and treatment of urologic complications of gynecologic surgery. McAninch JW, et al.
Am J Surg 120:542-5, Oct 70
Trauma to the urinary tract. Mitchell JP.
Br Med J 2:567-73, 5 Jun 71
Urologic emergencies. Jaffar DJ.
J Ky Med Assoc 69:191-2, Mar 71
A plea for the conservative treatment of renal injuries. Lucey DT, et al. J Trauma 11:306-16, Apr 71
[Evaluation and treatment of accidental urinary tract injuries] Schmiedt E.
Langenbecks Arch Chir 322:300-8, 1968 (Ger)

INNERVATION

[Innervation of the urogenital tract] Shishido S.
Jap J Urol 61:846-59, Sep 70 (Jap)

MICROBIOLOGY

A Moraxella-like microorganism isolated from the genito-urinary tract of man. Lautrop H, et al.
Acta Pathol Microbiol Scand [B] 78:255-6, 1970
Antibiotics in mycoplasma media and the temporary storage of specimens containing mycoplasmas of the genital tract. Goodwin CS, et al.
J Clin Pathol 24:286-7, Apr 71
The isolation of T-mycoplasmas from the urogenital tract of bulls. Taylor-Robinson D, et al.
J Med Microbiol 2:527-33, 4 Nov 69
[Pathogenic potential of bacteria] Duca K, et al.
Rev Med Chir Soc Med Nat Iasi 74:767-77, Jul-Sep 70 (Rum)

PHYSIOLOGY

Transport of unejaculated spermatozoa through the pelvic part of the urogenital tract in the ram. Tischner M. J Reprod Fertil 24:271-4, Feb 71
[Obstructions of the low urinary tract in the child] Grasset D.
J Urol Nephrol (Paris) 76:Suppl 9:1-174, Oct 70 (Fre)
[Radiocinematic urethro-cystography of interrupted micturition in children] Sauvegrain J, et al.
Ann Radiol (Paris) 12:251-7, 1969 (Mul)

PHYSIOPATHOLOGY

[Further pathogenetic and therapeutic remarks on sexual neurosis] Orlowski J.
Gynecol Prat 21:371-86, 1970 (Fre)
[Psychosomatic disorders and diseases in animals. IV. Urogenital system] Brummer H.
Dtsch Tieraerztl Wochenschr 77:180-2, 15 Apr 70 (Ger)

RADIATION EFFECTS

[Follow-up studies of the urinary tracts in patients with testicular tumors after conventional and telecobalt radiation therapy] Taubert W, et al.
Radiobiol Radiother (Berl) 11:601-9, 1970 (Ger)
[Dose distribution in the kidneys and efferent urinary tracts in patients with testicular tumors after conventional and telecobalt irradiation] Tietze D, et al. Radiobiol Radiother (Berl) 11:597-600, 1970 (Ger)

RADIOGRAPHY

[Method of x-ray examination of children with a doubled urinary tract] Skvortsova ZN.
Pediatriia 49:53-7, Nov 70 (Rus)
[Genitography in intersexuality conditions: 86 cases] Fauré C, et al.
Ann Radiol (Paris) 12:259-77, 1969 (Mul)

SURGERY

An abdomino-perineal-vaginal pull-through for definitive treatment of hydrometrocolpos. Ramenofsky ML, et al. J Pediatr Surg 6:381-7, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Adhesive materials in urologic surgery] Charvát A, et al. Rozhl Chir 50:357-63, Jul 71 (Cze)
[12 cases of the ureter with an ectopic junction in the female children] Brueziére J, et al. J Urol Nephrol (Paris) 77:114-25, Jan-Feb 71 (Fre)
[A case of 23 years of urology] Schilliro R. J Urol Nephrol (Paris) 77:289-91, Mar 71 (Fre)
[Indication for plastic surgery in the urogenital tract] Mayor G. Ther Umsch 27:298-305, May 70 (Ger)
[Every segment of the urinary apparatus may now have a substitution] Couvelaire R. Recent Progr Med (Roma) 46:347-52, Apr 69 (Ita)
[Clinical experience of the epidural anesthesia for bladder tenesmus developing after the lower urinary tract operation] Hirokawa M, et al. Jap J Urol 62:246-50, Mar 71 (Jap)
[The use of nitrous oxide as a freezing agent in cryosurgery of the urological field] Momose G. Jap J Urol 61:860-8, Sep 70 (Jap)

UROGRAFIN see DIATRIZOATE (D13)

UROGRAPHY (E1)

Retrograde pyelography with gas (carbon dioxide) as contrast medium. Christiansen J. Acta Chir Scand 136:441-5, 1970
Retrograde pyelography with double contrast. A preliminary report. Christiansen J. Acta Chir Scand 136:435-9, 1970
Double contrast cystography. A new contrast medium and a simplified technique. Jensen JT. Acta Radiol [Diagn] (Stockh) 10:337-44, Sep 70
Urography in renal failure. Stage P, et al. Acta Radiol [Diagn] (Stockh) 11:337-45, May 71
Repeat direct pyelography via needle nephrostomy. Vela Navarrete R. Acta Radiol [Diagn] (Stockh) 11:33-7, Jan 71
The calyceal crescent--a roentgenographic sign of obstructive hydronephrosis. Dunbar JS, et al. Am J Roentgenol Radium Ther Nucl Med 110:520-8, Nov 70
Radiolucent folds in the upper urinary tract. Poole CA, et al. Am J Roentgenol Radium Ther Nucl Med 110:529-39, Nov 70
Radiological changes in acute renal papillary necrosis. Risdon T. Arch Dis Child 46:398-9, Jun 71
Urography with the isothalamate dimer and trimer. Benness GT. Australas Radiol 14:416-8, Nov 70
Intravenous pyelography in Burkitt's tumour. Whittaker LR. Australas Radiol 14:197-9, May 70
Synchronous cine-pressure-flow cystography: a method of routine urodynamic investigation. Bates CP, et al. Br J Radiol 44:44-50, Jan 71
Bladder neck stenosis--the value of descending cysto-urethrography in the demonstration of this complication of inflammatory urethral stricture. Bateson EM. Br J Radiol 43:713-8, Oct 70
Obstructive nephropathy in pigs. Craven JD. Br J Radiol 44:232, Mar 71
A comparison of sodium and methylglucamine diatrizoate in clinical urography. Dacie JE, et al. Br J Radiol 44:51-4, Jan 71
Excretion urography in advanced renal failure. Fry IK, et al. Br J Radiol 44:198-202, Mar 71
Intravenous pyelography in acute idiopathic inferior vena caval thrombosis. Hall R, et al. Br J Radiol 43:781-6, Nov 70
Sodium or methylglucamine? A comparison of isothalamates in urography. Pearson MC, et al. Br J Radiol 44:55-7, Jan 71
Synchronous cine-pressure-flow-cysto-urethrography with special reference to stress and urge incontinence. Bates CP, et al. Br J Urol 42:714-23, Dec 70
The predominance of right renal and ureteric pyelographic changes in patients with recurrent urinary tract infections. Speirs CF, et al. Br J Urol 42:393-7, Aug 70
Radiology in the diagnosis of renal failure. Fry IK, et al. Br Med Bull 27:148-52, May 71 (59 ref.)
Radiology in the management of asymptomatic renal space-occupying lesions. Thomas ML, et al. Br Med J 3:689-91, 19 Sep 70
Radionuclide scanning complementing high dose urography in children. Lefcoe MS, et al. J Can Assoc Radiol 21:266-9, Dec 70
Emergency pyelography in renal colic. Mackenzie FA, et al. J R Nav Med Serv 57:75-87, Summer 71
Lateral ureteral displacement: sign of non-visualized duplication. Amar AD. J Urol 105:638-41, May 71
Pyelocancerous backflow. A diagnostic radiological sign for renal cell carcinoma. McAninch LN, et al. J Urol 105:491, Apr 71
Post-dialysis infusion pyelography in the urological patient with advanced uremia. Matalon R, et al. J Urol 105:878-80, Jun 71
Fluoroscopic retrograde pyelography. Schatzki SC, et al. J Urol 105:554-8, Apr 71
Evaluation of renal trauma by infusion urography. Smalley RH, et al. J Urol 105:620-2, May 71
High-dose excretion urography in oliguric renal failure. Brown CB, et al. Lancet 2:952-5, 7 Nov 70
Intravenous urography in oliguric renal failure. Sherwood T. Lancet 2:1034, 14 Nov 70
Pyelo-cystourethrography: methodology. Shopfner CE. Pediatrics 46:553-65, Oct 70
Advances in renography in relation to radiology and radiotherapy. Britton KE, et al. Proc R Soc Med 64:342-4, Apr 71
Antegrade pyelography. Budd DW. Proc R Soc Med 63:1240-2, Dec 70
Intravenous pyelograms in renal failure and hypertension University College Hospital, Ibadan, Nigeria. Okonji PA. Radiography 37:149-52, Jun 71
Determination of the normal position of the upper urinary tract on the lateral abdominal urogram. Cook IK, et al. Radiology 99:499-502, Jun 71
An evaluation of the effect of high-dose urography on previously impaired renal and hepatic function in man. Davidson AJ, et al. Radiology 97:249-54, Nov 70
Renal enlargement in thalassemia major. Grossman H, et al. Radiology 100:845-8, Sep 71
Excretory urography following percutaneous renal biopsy in children and adolescents. Gyepes MT, et al. Radiology 99:159-63, Apr 71
The nephrogram of hypotension. Korobkin MT, et al. Radiology 98:129-33, Jan 71
The accuracy of roentgenographic techniques in the diagnosis of renal mass lesions. Lang EK. Radiology 98:119-28, Jan 71 (35 ref.)
Excretory urography. Choice of contrast material--clinical. McClennan BL, et al. Radiology 100:591-5, Sep 71
Excretory urography. Choice of contrast material--experimental. McClennan BL, et al. Radiology 100:585-90, Sep 71
Prolonged jaundice as presenting sign of massive adrenal hemorrhage in newborn. Radiographic diagnosis by IVP with total-body opacification. Rose J, et al. Radiology 98:263-72, Feb 71
The physiology of intravenous urography. Sherwood T. Sci Basis Med Annu Rev 338-48, 1971
Reactions to intravenous iodides in urography. Ochsner SF, et al. South Med J 64:907-11, Aug 71
Adequate dose excretory urography. Experience with 25,000 cases. Voltz PW Jr, et al. South Med J 64:903-6, Aug 71
[The use of roentgen-television and roentgen cinematoraphy in urology] Minkov N, et al. Khirurgiia (Sofiia) 22:488-93, 1969 (Bul)
[Significance of the record of ureter activity by means of x-ray cinematography] Maršálek J, et al. Cesk Gynekol 36:82-3, Mar 71 (Cze)
[Infusion urography using low molecular dextran in children] Getlik A, et al. Cesk Pediatr 25:532-4, Nov 70 (Cze)
[Prostatic hypertrophy. Value of intravenous urography] Aalkjaer V. Ugeskr Laeger 133:489-90, 19 Mar 71 (Dan)
[Diagnostic and prognostic value of intravenous urography in renovascular hypertension] Fournier A, et al. Coeur Med Interne 10:233-46, Apr-Jun 71 (Fre)
[Comparative study of urography in concentration and dilution phases: its value in urology] Brenez J. J Belge Radiol 52:257-63, Nov-Dec 69 (Fre)
[Urography by intravenous perfusion in daily radiology (Schencker's method)] Laurent Y, et al. J Belge Radiol 52:296-326, Nov-Dec 69 (Fre)
[Test of wash-out with urea in 12 cases of reno-vascular hypertension submitted to surgery. (Partial positive test in the branch stenosis)] Bernard J, et al. J Radiol Electrol Med Nucl 51:767-72, Dec 70 (Fre)
[Procedure for urographic examination] Brunswic H. J Radiol Electrol Med Nucl 50:338-9, May 69 (Fre)
[Urography and zonogrphy (2 years' experience)] Brunswic H. J Radiol Electrol Med Nucl 50:340-3, May 69 (Fre)
[Practical use of a new hydrosoluble tri-iodide opacifying agent (A.G. 58-107) in intravenous urography] Chevrot L, et al. J Radiol Electrol Med Nucl 51:306-7, May 70 (Fre)
[Nephrotomography during intravenous urography in renal tuberculosis] Girard J, et al. J Radiol Electrol Med Nucl 50:560-2, Jul-Aug 69 (Fre)
[Pyelograms, pancreas and extra-renal diseases] Hudak A. J Radiol Electrol Med Nucl 51:82, Jan-Feb 70 (Fre)
[Extravasation of urine revealed by intravenous orography during a nephritic colic crisis (2 cases)] Loeper J, et al. J Radiol Electrol Med Nucl 50:293-6, May 69 (Fre)
[The crescent sign. A new pathogenic concept] Michel JR, et al. J Radiol Electrol Med Nucl 52:245-52, May 71 (Fre)
[Improvement of morphologic and dynamic results in urography by controlled seriography] Padovani J, et al. J Radiol Electrol Med Nucl 50:217-20, Mar-Apr 69 (Fre)
[Retrograde cystography and intravenous urography during the same examination: results of 1 year of hospital practice] Prot D, et al. J Radiol Electrol Med Nucl 51:704-5, Nov 70 (Fre)
[Urine extravasation revealed by urography during a nephritic colic] Sauvegrain J, et al. J Radiol Electrol Med Nucl 50:334-8, May 69 (Fre)
[Nephrograms: exploratory method complementing urography] Swyngedauw J, et al. J Radiol Electrol Med Nucl 50:Suppl 5:435-6, May 69 (Fre)
[Urotomography with wash-out in the diagnosis of renal artery stenosis] Tréheux A, et al. J Radiol Electrol Med Nucl 52:265-70, May 71 (Fre)
[Profile photograph in intravenous urography] Walter JP, et al. J Radiol Electrol Med Nucl 49:848-50, Nov 68 (Fre)
[How to assess the functional value of the kidney to decide whether to preserve it. Case report of an obstruction of the excretory duct] Dufour B, et al. J Urol Nephrol (Paris) 76:869-74, Oct-Nov 70 (Fre)
[Transcutaneous pyelography] Jacot C. Praxis 59:394-5, 17 Mar 70 (Fre)
[Renovascular hypertension. I. Comparison of the different examinations and tests for detection. Superiority of intravenous urography] Fournier A. Presse Med 79:903-10, 21 Apr 71 (Fre)
[Radiologic semeiology of renal and para-renal tumors] Gasquet C, et al. Presse Med 78:1887-90, 17 Oct 70 (Fre)
[Diagnostic importance of infusion urography and isotope nephrogram in chronic renal insufficiency] Dieterich WR, et al. Dtsch Gesundheitsw 25:2139-44, 5 Nov 70 (Ger)
[Importance of early radiography in intravenous urogram for the diagnosis of renal artery stenosis] Günther H, et al. Dtsch Gesundheitsw 25:2032-6, 22 Oct 70 (Ger)
[Preparation for abdominal roentgen examinations with Espumisan] Holstein J. Dtsch Gesundheitsw 25:301-2, 20 Feb 70 (Ger)
[Extravasates in intravenous urography] Brijs A. Fortschr Geb Roentgenstr Nuklearmed 109:375-80, Sep 68 (Ger)
[Heterotropic diatrizoate excretion through the liver in patients with normal kidneys] Preuss HJ. Fortschr Geb Roentgenstr Nuklearmed 113:376-81, Sep 70 (Ger)
[Radiologic, pathophysiologic and pathologic-anatomic studies on the effect of a new radiological contrast media used in urography] Schulten HJ, et al. Fortschr Geb Roentgenstr Nuklearmed 112:818-25, Jun 70 (Ger)
[Urography, contrast medium excretion and kidney function] Fuchs WA. Helv Chir Acta 37:414-7, Aug 70 (Ger)
[Urographic methods] Loebenstein H. Helv Chir Acta 37:418-9, Aug 70 (Ger)
[Retrograde pyelography] Rummelhardt S. Helv Chir Acta 37:422-4, Aug 70 (Ger)
[Interpretation of infusion urography] Schimatzek A. Helv Chir Acta 37:420-1, Aug 70 (Ger)
[Combined intravenous uro-cholecysto-cholangiography] Wilhelm M. Langenbecks Arch Chir 322:758-61, 1968 (Ger)
[Experiences with contrast media in infusion urography] Rotte K. Med Klin 63:1505-7, 20 Sep 68 (Ger)
[The infusion-urogram in ambulatory practice] Bopp J. Med Welt 24:1004-6, 12 Jun 71 (Ger)
[Infusion excretion urography in childhood] Ulbrich I. Med Welt 35:1517-20, 29 Aug 70 (Ger)
[Isotope nephrographic studies in orthostatis-proteinuric children] Siegler J, et al. Monatsschr Kinderheilkd 117:531-5, Aug 69 (Ger)
[Intravenous urography. Diagnostic test in renal hypertension?] Latal D. Radiol Clin Biol 40:66-8, 1971 (Ger)
[Infusion urography. Load urography] Ludvik W, et al. Radiol Clin Biol 40:62-6, 1971 (Ger)
[Standard urography and its possibilities] Thurnher B. Radiol Clin Biol 40:56-61, 1971 (Ger)
[Clinical studies on the toxicity of contrast media excreted in urine] Maurer HJ, et al. Radiol Diagn (Berl) 8:451-7, 1967 (Ger)
[Infusion urogram: methods, importance and indications] Lagemann K. Roentgenpraxis 23:197-207, Sep 70 (Ger)
[Tasks of the physician in the performance of intravenous urograms] Lagemann K. Roentgenpraxis 23:125-36, Jun 70 (Ger)
[Intravenous pyelography in patients with paraproteinemias] Fateh-Moghadam A, et al. Verh Dtsch Ges Inn Med 75:697-700, 1969 (Ger)
[Application of iodamide as contrast medium] Chiba W, et al. Wien Med Wochenschr 121:75-8, 30 Jan 71 (Ger)
[New roentgenological examination methods in urology] Bandtlow K. Z Allgemeinmed 46:1071-6, 31 Jul 70 (Ger)
[Studies on the method of infusion urography] Baudisch E, et al. Z Urol Nephrol 62:293-301, 1969 (Ger)
[Experiences with mannitol urography] Czuczor H, et al. Z Urol Nephrol 62:255-9, 1969 (Ger)
[Importance of an early urogram for the diagnosis of hypertoniogenesis] Latal D. Z Urol Nephrol 62:469-71, 1969 (Ger)
[Urologic radiography in childhood--comparative studies of commonly used contrast media and infusion urography] Rupprecht E, et al. Z Urol Nephrol 62:825-7, Nov 69 (Ger)
[Urotomography in infancy and childhood] Scholz E. Z Urol Nephrol 62:821-3, Nov 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Misleading shadows in the radiographic picture of the bladder of infants caused by distended ureter] Hajós E, et al. Orv Hetil 111:2425-7, 11 Oct 70 (Hun)
[Radiographic considerations on retrograde urethrography in the study of the residual prostatic loge in patients prostatectomized for fibroadenoma] Pastremoli A.
Ann Radiol Diagn (Bologna) 42:522-38, Sep 69 (Ita)
[Radiographic and roentgencinematographic study of ureterocystoneostomized patients] Roversi R, et al.
Ann Radiol Diagn (Bologna) 42:552-67, Sep 69 (Ita)
[Infusion urography in obstetrics and gynecology] Barbanti A, et al.
Minerva Ginecol 21:1023-5, 31 Aug 69 (Ita)
[Urography in childhood. Current acquisitions] Bellini F. Minerva Pediatr 23:592-4, 31 Mar 71 (Ita)
[Miction cysto-urethrography in the potentiated urography phase] Castellano E, et al.
Minerva Radiol 14:544-8, Dec 69 (Ita)
[The use of perfusion urography in the obstetrico-gynecological field] Giurleo D, et al.
Quad Clin Ostet Ginecol 24:101-14, Feb 69 (Ita)
[On the elimination of intestinal gases in patients undergoing urography. Our experience with sodium picosulphate] Cattani E, et al.
Quad Radiol 34:171-82, Mar-Apr 69 (Ita)
[Comparative evaluation on the use of radionephrography, urography and renal arteriography in the diagnosis of nephrovascular hypertension] Del Favero C, et al.
Quad Radiol 35:449-81, Sep-Oct 70 (Ita)
[Nephrotomography in the radiological diagnosis of expansive lesions of the kidney] Fresia G, et al.
Quad Radiol 35:313-3[illegible] 26 Oct 69 (Ita)
[Radiographic and scintigraphic evaluation of renal dimensions in urological diagnosis] De Rossi G, et al.
Radiologia Radioter Fis Med 24:291-310, Sep-Oct 69 (Ita)
[Urographic and radionephrographic examinations in evaluation of the urological complications of utero-ovarian neoplasms] De Marzi S, et al.
Radiol Med (Torino) 55:1079-89, 1 Nov 69 (Ita)
[Prolonged urography and excluded kidney] Gherardini P, et al.
Radiol Med (Torino) 56:238-45, Mar 70 (Ita)
[Technical variation of perfusion urography] Nieri G, et al. Radiol Med (Torino) 55:457-62, May 69 (Ita)
[Angiografin in urographic diagnosis] Fucci G, et al.
Rass Int Clin Ter 49:1265-70, 31 Oct 69 (Ita)
[Drip infusion urography with Conraxin L] Ichikawa T, et al. Acta Urol Jap 16:750-6, Dec 70 (Jap)
[Drip infusion pyelography with Conraxin D] Sugita A, et al. Acta Urol Jap 17:67-79, Jan 71 (Jap)
[Study of drip infusion pyelography with a 64.9 per cent iodamine solution] Sugita A, et al.
Acta Urol Jap 16;757-80, Dec 70 (Jap)
[Clinical value and effectiveness of drip infusion pyelography in internal medicine] Fujibayashi T.
Jap J Clin Med 28:3684-99, Nov 70 (Jap)
[A morphological study of the colliculus seminalis by urethrography and endoscopy] Wada I.
Jap J Urol 62:368-88, May 71 (Jap)
[Excretory urography by intravenous drip infusion of 60 percent Conray] Nakamura H, et al.
Rinsho Hoshasen 16:552-7, Jul 71 (Jap)
[Negative shadows in the urinary tract] Kaluska J, et al.
Pol Przegl Radiol 34:531-46, Jul-Aug 70 (Pol)
[On the use of some viscous iodized products in examination of the urinary bladder] Gâleşanu MI., et al.
Rev Med Chir Soc Med Nat Iasi 75:175-8, Jan-Mar 71 (Rum)
[Radioclinical evaluation of the method and site of intravenous perfusion urography in current practice] Stefănescu N, et al.
Rev Med Chir Soc Med Nat Iasi 75:399-402, Apr-Jun 71 (Rum)
[Use of simultaneous urocholegraphy in clinical practice] Tager IL, et al.
Klin Med (Mosk) 48:101-5, Nov 70 (Rus)
[Experience with infusion urography in destructive forms of tuberculosis of the urinary system] Gafarov AI. Probl Tuberk 49:39-42, 1971 (Rus)
[Characteristics and application of the method of infusion urography in the nephrological clinic] Bondarenko BB, et al. Sov Med 32:131-4, Sep 69 (Rus)
[Renal-cortical index in children nephroptosis] Abramov IuA.
Urol Nefrol (Mosk) 35:44-5, Sep-Oct 70 (Rus)
[Significance of laterography (during retrograde pyelography) in the x-ray diagnosis of kidney tumors] Marchenko VA.
Urol Nefrol (Mosk) 35:24-9, Sep-Oct 70 (Rus)
[A modification of the method of infusion urography] Gasparian AM, et al.
Vestn Khir 103:58-62, Nov 69 (Rus)
[Evaluation of the orthostatic reaction in children with kidney diseases as a method of detecting urodynamic disturbances of the upper urinary tract] Mirimova TD, et al.
Vestn Rentgenol Radiol 45:76-83, Jul-Aug 70 (Rus)
[Comparative characteristics of the main modifications of excretory urography] Perel'man VM.
Vestn Rentgenol Radiol 45:58-63, Sep-Oct 70 (Rus)
[Distorsion of the shadow of normal kidneys and their cavities during pneumoretroperitoneum in urologic practice] Svirin IL.
Vestn Rentgenol Radiol 45:48-51, Jan-Feb 70 (Rus)
[Modern tendencies for the improvement of the quality of excretory urography with special reference to infusion urography] Ledić S, et al.
Srp Arh Celok Lek 97:1353-63, Dec 69 (Ser)
[Excretory urography by infusion] Toledo-Pereyra LH, et al. Rev Invest Clin 22:157-70, Apr-Jun 70 (Spa)
[Cystography of double contrast in bladder tumors] Parra Bernal E, et al.
Rev Venez Urol 22:37-50, Jan-Jun 70 (Spa)
[Value of excretory urography in the diagnosis of epithelial tumors of the urinary bladder] Horňák M.
Cesk Radiol 25:111-7, May 71 (Slo)

ADVERSE EFFECTS

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA.
Am J Roentgenol Radium Ther Nucl Med 112:603-6, Jul 71
Sialadenitis after intravenous pyelography. Nakadar AS, et al. Br Med J 3:351-2, 7 Aug 71
Acute renal failure following intravenous pyelography. Chen WY, et al.
J Formosan Med Assoc 69:229-33, 28 Apr 70
Reactions association with excetory urography: current concepts. Gillenwater JY.
J Urol 106:122-6, Jul 71
The histologic effects of four commonly used media for excretory urography and an attempt to modify the responses. McAlister WH, et al.
Radiology 99:511-6, Jun 71
[Side effects of intravenous urography, material of 1,000 consecutive studies] Larsen EF, et al.
Nord Med 85:162, 4 Feb 71 (Dan)
[Experimental reproduction of the sludge phenomenon with the aid of various radio-iodine products (contribution to the pathogenesis of accidents secondary to urography and angiography)] Larcan A, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:474-6, May 69 (Fre)
[Effect of renal radioisotope diagnostics on kidney parenchyma in patients with malignomas, following radiotherapy] Wöllgens P, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:415-21, Mar 71 (Ger)
[Contrast media accidents] Fochem K.
Radiol Clin Biol 40:69-71, 1971 (Ger)
[Contrast media escape in directed and nondirected transvesical pyelography. (The problem of pyelorenal reflux)] Dathe G, et al.
Radiologe 11:226-9, Jun 71 (Ger)
[Water-soluble contrast media and contrast media incidents in urology] Laubenberger T.
Urologe 9:216-8, Jul 70 (Ger)
[Reflux and extravasation formations in antegrade and retrograde pyelography] Ulrich HJ.
Z Urol Nephrol 62:573-84, 1969 (Ger)
[Use of hydrocortisone sodium hemisuccinate in the prevention of allergy to radiographic contrast media used in urography and cholangiography] Martignoni R, et al. Clin Ter 53:33-62, 15 Apr 70 (Ita)
[Correlation between changes in the geo-atmopheric environment and acute accidents caused by water soluble organic iodized contrast medum] Belli I, et al.
Radiol Med (Torino) 55:657-70, Jul 69 (Ita)
[Medical and statistical findings on minor reactions in kidney and gallbladder contrast radiography] De Albertis P, et al.
Radiol Med (Torino) 55:650-6, Jul 69 (Ita)
[Radiation doses received by children with urinary tract infections] Fendel H, et al.
Ann Radiol (Paris) 12:245-50, 1969 (Mul)

INSTRUMENTATION

Modification of an operating-room table for immediate radiographic evaluation of the urinary tract in the acute, severe trauma patient. Cass AS, et al.
J Urol 105:569-70, Apr 71
Retrograde catheter localization for percutaneous renal biopsy. Colgan JR, et al. JAMA 217:824, 9 Aug 71
[Electronic phase switch for urination cystourethrography in infancy and childhood] Buttenberg H, et al.
Kinderaerztl Prax 39:76-81, Feb 71 (Ger)

STANDARDS

[Superiority of infusion pyelography over conventional urography] Lentzen W, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:396-406, Mar 71 (Ger)

VETERINARY

The use of contrast media in the diagnosis of urinary tract abnormalities in the dog, with particular reference to infusion urography: a report of two cases. Walker RG, et al. Vet Rec 87:287-90, 5 Sep 70

UROKINASE see under FIBRINOLYTIC AGENTS

(D7)

UROLOGIC DISEASES (C6)

Salmonellosis and schistosomiasis of urinary tract. Lehman JS Jr, et al. N Engl J Med 283:1291, 3 Dec 70
Advances in paediatrics. Arneil GC.
Practitioner 205:440-51, Oct 70
Advances in urology. Shuttleworth KE.
Practitioner 205:523-6, Oct 70
Pediatric gynecology. Kaplan AL.
South Med J 64:218-23, Feb 71
[Obstructions of the low urinary tract in the child] Grasset D.
J Urol Nephrol (Paris) 76:Suppl 9:1-174, Oct 70 (Fre)
[Urology in childhood] Grob-Vontobel V.
Praxis 60:376-8, 23 Mar 71 (Ger)
[Documentation in urology] Sökeland J, et al.
Urologe 8:318-21, Nov-Dec 69 (Ger)
[Documentation of urologic case histories by means of punched cards. Initial step toward computer case history] Klesswetter H.
Wien Med Wochenschr 120:326-30, 2 May 70 (Ger)
[Urinary tract bilharziasis] Jursz W.
Pol Tyg Lek 26:1010-3, 28 Jun 71 (17 ref.) (Pol)
[Geotrichosis of the urinary system and the alimentary tract in a patient with pemphigus treated protractedly with glucocorticosteroids] Szyszymar B, et al.
Przegl Dermatol 57:637-41, Sep-Oct 70 (Pol)
[Premalignant lesions of the urogenital system] Maldonado J.
Prensa Med Mex 35:179-86, Mar-Apr 70 (Spa)
[Atrophy of the urogenital system, basic elements in juvenile gynecology] Contamin R.
Rev Obstet Ginecol Venez 21:491-502, Sep-Oct 70 (Spa)

CHEMICALLY INDUCED

Relationships between regular analgesic intake and urorenal disorders in a working female population of Switzerland. I. Initial results (1968). Dubach UC, et al.
Am J Epidemiol 93:425-34, Jun 71

COMPLICATIONS

Intravenous urography and pre-eclamptic toxaemia. Ryan J, et al. Australas Radiol 14:412-5, Nov 70
Haemophilia in urological patients. Gowland HW.
Br J Urol 42:741-2, Dec 70
Post-obstructive diuresis: a review. Narins RG.
J Am Geriatr Soc 18:925-36, Dec 70 (16 ref.)
Acid tolerance in critically ill urologic patient. Smith AM. NY State J Med 71:760-4, 1 Apr 71
Obstructive nephropathy. Functional abnormalities and clinical presentation. Chisholm GD.
Proc R Soc Med 63:1242-5, Dec 70
Obstructive nephropathy. Hodson CJ.
Proc R Soc Med 63:1245, Dec 70
[The significance of enuresis. Its semeiologic value in uronephrology] Lagrue G.
Can Med 12:545-9, 15 May 71 (Fre)
[Correlation between urologic and gastrointestinal symptomatology] Matteiaer JJ, et al.
Z Urol Nephrol 64:415-22, Jun 71 (Ger)
[Some problems of childhood enuresis. Its relation to urinary tract diseases and abnormalities] Szamosi J, et al. Orv Hetil 112:1093-7, 9 May 71 (Hun)
[Surgico-urologic causes of acute renal insufficiency] Sarre H. Clin Ter 50:503-18, 30 Sep 69 (Ita)
[Use of Padrin compound in urological practice] Fukuda Y. Acta Urol Jap 16:697-703, Nov 70 (Jap)
[Gastrointestinal hemorrhae in urologic patients] Blatnof KhP, et al.
Urol Nefrol (Mosk) 35:36-40, Sep-Oct 70 (Rus)
[Pathology of the right iliac fossa] Eguiarte Vázquez F, et al. Minerva Pediatr 22:1214-6, 16 Jun 70 (Spa)
[Pelvic congestion and its digestive repercussion] Adell Alvarez FJ.
Rev Esp Enferm Apar Dig 34:555-64, 1 Jun 71 (Spa)

DIAGNOSIS

A clinical and roentgenological follow-up study of patients with uro-arthritis or pelvospondylitis. Rosenthal L, et al. Acta Rheumatol Scand 17:3-14, 1971
The value of isotope renography in the diagnosis of nephrological and urological cases. Wojtczak A, et al.
Bull Pol Med Sci Hist 14:79-82, Apr 71
The renogram and the renal tract in spina bifida. Cudmore RE, et al.
Dev Med Child Neurol [Suppl] 22:Suppl 22:24-7, 1970
Radioisotope renography in urology. Singh SM, et al.
Indian J Med Res 57:1490-506, Aug 69
Screening of Oklahoma school children for urinary tract disease: results of a pilot study. Dillard RP, et al.
J Okla State Med Assoc 64:217-22, Jun 71
Screening of children for urinary tract disease. Riley HD. J Okla State Med Assoc 64:213-5, Jun 71
Office urology. Roth RB.
Postgrad Med 49:109-13, Apr 71
Computer-assisted blood background subtraction

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(CABBS) renography in obstructive nephropathy. Britton KE, et al. Proc R Soc Med 63:1246-7, Dec 70
[Emergency endoscopy in urology] Páces V. Cesk Gastroenterol Vyz 25:68-9, Mar 71 (Cze)
[Possibilities and limitations of exploration by radio-isotopes in urologic diagnosis] Burghele T, et al. Acta Urol Belg 36:5-25, Jan 68 (Fre)
[Apropos of the mass detection of urinary bilharziasis] Ricour A, et al. Bull Soc Pathol Exot 64:80-4, Jan-Feb 71 (Fre)
[Disorders of the ano-genito-urinary sphere revealed by mental imagery] Donnars J. Riv Sper Freniatr 94:1282-91, 31 Oct 70 (Fre)
[Endoscopy in children from the viewpoint of the urologist and gastroenterologist] Frohmüller, et al. Med Monatsschr 25:374, Aug 71 (Ger)
[Micticography--recording of urine secretion] Tammen H. Urologe 10:140-1, May 71 (Ger)
[Ultrasound diagnosis in urology] Kratochwil A, et al. Wien Klin Wochenschr 82:795-800, 30 Oct 70 (Ger)
[Enzyme tests of the urine in urologic diseases] Petritsch P, et al. Wien Klin Wochenschr 82:816-8, 6 Nov 70 (Ger)
[Leukocyte differentiation in stained urinary urinary sediment] Stolze M, et al. Z Urol Nephrol 62:555-60, 1969 (Ger)
[Radiographic and scintigraphic evaluation of renal dimensions in urological diagnosis] De Rossi G, et al. Radiobiol Radioter Fis Med 24:291-310, Sep-Oct 69 (Ita)
[Micturation curve in recognition of an obstacle in lower urinary tract] Steinmetz L. Pol Przegl Chir 43:Suppl 2a:293+, Feb 71 (Pol)
[Pathomorphosis in the clinical picture of several urologic diseases] Pytel' AIa, et al. Klin Med (Mosk) 48:138-43, Aug 70 (Rus)
[Neurogenic diseases simulating acute surgical diseases of abdominal organs] Okruzhko IF. Sov Med 33:89-92, Oct 70 (Rus)
[Differential diagnosis of acute appendicitis and urologic diseases in children] Ostropol'skaia EA, et al. Vestn Khir 105:74-6, Oct 70 (Rus)

DRUG THERAPY

Applications of the dermo-jet in urology. Dreyer CV, et al. J Urol 104:586-90, Oct 70
Hetacillin. Med Lett Drugs Ther 13:49-50, 11 Jun 71
[Therapeutic trial of 4 261 CB en urologie] Schilliro R. J Urol Nephrol (Paris) 77:150-4, Jan-Feb 71 (Fre)
[Colimycin in urology (112 aases)] Schilliro R, et al. J Urol Nephrol (Paris) 76:759-60, Jul-Aug 70 (Fre)
[Trial of Daritran in urology] Lemaire G, et al. Lille Med 15:Suppl 5:999+, Aug-Sep 70 (Fre)
[Value of combined tetracycline-oleandomycin injectable intramuscularly in treatment of urogenital infections] Mazeman E. Lille Med Suppl 5:810-5, Aug-Sep 69 (Fre)
[Trial of the Spasmo-Compralgyl in urology. Apropos of 30 cases] Durand L. Lyon Med 225:1023-4, 23 May 71 (Fre)
[Use of Avafortan in urology] Wemeau L, et al. Rev Fr Odontostomatol 46:997-1002, Dec 70 (Fre)
[Use of Avafortan in urology] Wemeau L, et al. Therapeutique 46:997-1002, Dec 70 (Fre)
[Treatment of colic-like disorders in the area of the urinary tract with a new spasmo-analgesic (Dolo-Adamon)] Brunzema F. Med Welt 35:1529-31, 29 Aug 70 (Ger)
[Evaluation report on spasmo-urgenin. A new urospasmolytic] Schöll H, et al. Med Welt 12:471-3, 20 Mar 71 (Ger)
[Clinical experience with a new analgesic and antispastic combination] Mascheroni VC. Clin Ter 54:261-6, 15 Aug 70 (Ita)
[Use of an antispastic-tranquilizing combination in urologic practice] Petrarola F, et al. Clin Ter 54:15-20, 15 Jul 70 (Ita)
[The use of hetacillin in urology. Clinical and bacteriological findings] Salvia G, et al. Minerva Urol 22:182-6, Nov-Dec 70 (Ita)
[Propaxoline citrate. Its use in various inflammatory-spastic syndromes of the urogenital system] Trucchi E. Minerva Urol 22:49-54, Mar-Apr 70 (Ita)
[Clinico-bacteriological study of the activity of rifampicin in acute and chronic urinary tract diseases] Pisano A, et al. Rass Int Clin Ter 50:465-72, 30 Apr 70 (Ita)
[Clinical use of S-804 in urology] Hayashi I, et al. Acta Urol Jap 16:892-6, Nov 70 (Jap)
[Effect of tiemonium iodide (Visceralgine) on the ureteral contractile activities and its clinical use in urology] Oka N, et al. Acta Urol Jap 16:608-18, Oct 70 (Jap)
[Clinical evaluation of clindamycin (7-chlorolincomycin) in the urological field] Higuchi M, et al. Jap J Antibiot 24:59-63, Apr 71 (Jap)
[Clinical evaluation of cephalexin monohydrate in the treatment of infections of the genitourinary system] Aspe AJ. Prensa Med Mex 45-50, Sep-Oct 70 (Spa)
[Use of cephalexin monohydrate in female genitourinary infections. Report of 42 cases] Ricaud Rothiot L, et al. Prensa Med Mex 40-1, Sep-Oct 70 (Spa)
[Blood and tissue levels of an antibiotic. Comparative study on urologic patients] Rodríguez Díaz LH, et al. Rev Venez Urol 22:51-7, Jan-Jun 70 (Spa)

ENZYMOLOGY

[Behavior of urinary and blood lactate dehydrogenase in various pathological states] Emanuele M, et al. Minerva Med 61:24-9, 6 Jan 70 (Ita)
[Considerations on the behavior of urinary catalase in diseases of the urinary tract in the pediatric age] Varese LA, et al. Minerva Pediatr 22:1436-9, 14 Jul 70 (Ita)

ETIOLOGY

A survey of urological problems associated with abdomino-peineal excision of the rectum. Watson JG, et al. Br J Urol 42:743, Dec 70
Urinary tract allergy. Unger DL. J Urol 105:867, Jun 71
Surgical problems of kidney transplantation. Nielubowicz J, et al. Pol Med J 10:348-62, 1971
Some urologic problems in patients having granulomatous disease of the bowel. Dowd JB, et al. Surg Clin North Am 51:783-90, Jun 71
[On the repercussion of hydrocolpos and hematocolpos on the urinary tract] Bauchart J, et al. Ann Urol (Paris) 5:23-30, Feb 71 (Fre)
[Urinary effects of cancers of the rectum and their treatment] Brizon J, et al. Bull Mem Soc Chir Paris 60:155-60, 1970 (Fre)
[Repercussion on the urinary apparatus of surgical treatment of rectal and rectosigmoid cancer] Schaad P. Bull Mem Soc Chir Paris 59:95-106, 1969 (Fre)
[Repercussion on the urinary apparatus of the surgical treatment of rectal and recto-sigmoid cancer] Schimmel. Bull Mem Soc Chir Paris 59:245-51, 1969 (Fre)
[Complications of prostatic adernomectomy (100 cases)] Mensah A, et al. Bull Soc Med Afr Noire Lang Fr 15:412-8, 1970 (Fre)
[Malformative uropathies in children] Chantraine JM, et al. Rev Med Liege 24:492-7, 15 Jun 69 (Fre)
[Urorenal complications in patients following surgery of proctocolitis] Nedbal J. Schweiz Med Wochenschr 101:723-8, 22 May 71 (Ger)
[Urologic complications following gynecologic interventions] Hohenfellner R. Wien Klin Wochenschr 82:600-2, 28 Aug 70 (Ger)
[Urologic complications after Wertheim's surgery with special consideration of urinary infection] Hak-Hagir A, et al. Wien Med Wochenschr 121:367-9, 1 May 71 (Ger)
[Upper urinary tract changes in carcinoma of the cervix] Molnár G, et al. Zentralbl Gynaekol 92:1165-70, 5 Sep 70 (Ger)
[On radical abdominal hysterectomy operations (analysis of 123 cases)] Pescetto G, et al. Ann Ostet Ginecol 92:15-29, Jan 70 (Ita)
[Surgical complications of human renal homotransplant and their treatment] Martelli A, et al. Minerva Nefrol 16:377-81, Nov-Dec 69 (Ita)
[Urographic and radionephrographic examinations in evaluation of the urological complications of utero-ovarian neoplasms] De Marzi S, et al. Radiol Med (Torino) 55:1079-89, 1 Nov 69 (Ita)
[Status of the urinary tract following surgery in patients suffering from cancer of the uterine cervix] Marquardt M, et al. Ginekol Pol 42:213-7, 1971 (Pol)
[Urinary tract examination in patients having undergone an abdomino-perineal amputation of the rectum for cancer] Kudmierski S, et al. Pol Przegl Chir 43:1007-11, Jun 71 (Pol)

FAMILIAL & GENETIC

Genetics and the urologist. Ormond JK. J Urol 105:423-7, Mar 71
Genetics and the urologist. Ormond JK. Trans Am Assoc Genitourin Surg 62:127-34, 1970

IMMUNOLOGY

[Serum resistance and "nephropathogenicity" of antigenically defined strains of E. coli. I. Determination and standardization of serum sensitivity] Henkel W. Z Med Mikrobiol Immunol 156:44-59, 1970 (Ger)
[On immunology of prostatic fluid] Lennert KA, et al. Minerva Med 61:4820-2, 27 Oct 70 (Ita)
[Immunological factors in urology] Miatello VR, et al. Prensa Med Argent 57:1870-6, 4 Dec 70 (Spa)

MICROBIOLOGY

[Microbial spectrum and microbial resistance in ambulatory and stationary urological patients] Weissbach L, et al. Z Urol Nephrol 63:763-71, Oct 70 (Ger)

OCCURRENCE

The dilatation of the upper urinary tract in paraplegics. Ascoli R, et al. Paraplegia 8:196-8, Nov 70
[Clinical statistics on patients, operations and main urological examinations in the Department of Urology, Yamaguchi University, during 1969] Sakatoku J, et al. Acta Urol Jap 16:900-7, Oct 70 (Jap)
[Urogenital schistosomiasis in the Republic of Mali, Gao County] Platonova KP. Med Parazitol (Mosk) 39:242-3, Mar-Apr 70 (Rus)

PATHOLOGY

Comparison of cytologic findings in patients with transitional cell carcinoma and benign urologic diseases. Kainins ZA, et al. Acta Cytol (Baltimore) 14:243-8, May 70
[Cytology of urinary sediments in the diagnosis of renal, extrarenal and bladder diseases] Anardi V, et al. Rass Int Clin Ter 49:687-98, 15 Jun 69 (Ita)

PHYSIOPATHOLOGY

Obstructive uropathy in infants. Barratt TM, et al. Proc R Soc Med 63:1248-50, Dec 70
[Blood supply and filtration ability of the kidneys in urinary tract malformations as well as in additional diseases] Schultze HU, et al. Z Gesamte Inn Med 26:361-4, 1 Jun 71 (Ger)
[Adrenal function in urological patients] Tamura M. Folia Endocrinol Jap 47:246-62, 20 Jul 71 (Jap)

PREVENTION & CONTROL

Prevention of urological complications after kidney transplantation. Weil R 3d, et al. Ann Surg 174:154-60, Jul 71
[Prevention of urologic and surgical complications following radical surgery of cervix carcinoma] Gitsch E. Wien Klin Wochenschr 82:579-82, 14 Aug 70 (Ger)
[Radical operation of cervix cancer, postoperative irradiation and the kidney and the urinary tract] Fujiu T. Acta Urol Jap 17:367-8, Jun 71 (Jap)

RADIOGRAPHY

[Radiosymptomatologic aspects of urolithiasis in some dysplasias of the urinary tract] Pavlica P, et al. Ann Radiol Diagn (Bologna) 43:159-200, 1971
Radiographic diagnosis of a urologic disease. Love L. Ill Med J 130:651-2, Nov 66
Post-dialysis infusion pyelography in the urological patient with advanced uremia. Matalon R, et al. J Urol 105:878-80, Jun 71
Pyelo-cystourethrography: methodology. Shopfner CE. Pediatrics 46:553-65, Oct 70
Urinary obstruction. Ochsner MG. Postgrad Med 48:98-101, Oct 70
Contrast material in the upper urinary tract following delayed retrograde cystography. Najenson T, et al. Proc Annu Clin Spinal Cord Inj Conf 15:43-7, 7 Nov 66
Adequate dose excretory urography. Experience with 25,000 cases. Voltz PW Jr, et al. South Med J 64:903-6, Aug 71
[70 mm fluorography and its uses in urology] Timmermans L, et al. Acta Urol Belg 38:245-65, Jul 70 (Fre)
[Biliary and urinary contrast media] Potvliege R. Brux Med 50:1045-55, Nov 70 (Fre)
[Comparative study of urography in concentration and dilution phases: its value in urology] Brenez J. J Belge Radiol 52:257-63, Nov-Dec 69 (Fre)
[Superiority of infusion pyelography over conventional urography] Lentzen W, et al. Fortschr Geb Roentgenstr Nuklearmed 114:396-406, Mar 71 (Ger)
[Infusion urography. Load urography] Ludvik W, et al. Radiol Clin Biol 40:62-6, 1971 (Ger)
[Standard urography and its possibilities] Thurnher B. Radiol Clin Biol 40:56-61, 1971 (Ger)
[Urologic examination methods in childhood] Berger G. Z Aerztl Fortbild (Jena) 64:140-2, 1 Feb 70 (Ger)
[New roentgenological examination methods in urology] Bandtlow K. Z Allgemeinmed 46:1071-6, 31 Jul 70 (Ger)
[Infusion urography in obstetrics and gynecology] Barbanti A, et al. Minerva Ginecol 21:1023-5, 31 Aug 69 (Ita)
[The use of perfusion urography in the obstetrico-gynecological field] Giurleo D, et al. Quad Clin Ostet Ginecol 24:101-14, Feb 69 (Ita)
[Prolonged urography and excluded kidney] Gherardini P, et al. Radiol Med (Torino) 56:238-45, Mar 70 (Ita)
[Diagnosis of shadows appearing in the urinary tract] Szydlowska A. Pol Przegl Chir 43:1013-6, Jun 71 (Pol)
[Negative shadows in the urinary tract] Kaluska J, et al. Pol Przegl Radiol 34:531-46, Jul-Aug 70 (Pol)
[Electroroentgenography in the diagnosis of kidney and urinary diseases] Paleev NR, et al. Urol Nefrol (Mosk) 35:29-33, Sep-Oct 70 (Rus)
[Modern tendencies for the improvement of the quality of excretory urography with special reference to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

infusion urography] Ledić S, et al.
Srp Arh Celok Lek 97:1353-63, Dec 69 (Ser)

SURGERY

Cryotherapy in urology. Hansen RI.
Acta Urol Belg 38:61-2, Jan 70
Bacteriaemia following urological surgery. Ives JC, et al. Br J Surg 58:449-50, Jun 71
Cutaneous vesicostomy for temporary urinary diversion in infants. Lytton B, et al.
J Urol 105:888-91, Jun 71
Ileal conduit urinary diversion in children. Malek RS, et al. J Urol 105:892-900, Jun 71
Gold leaf in urologic surgery: an experimental study. Warren MN, et al. J Urol 105:559-66, Apr 71
Vascular surgery in urology. Röhl L.
Proc R Soc Med 64:589-94, Jun 71
Urology. Waterhouse RK.
Surg Gynecol Obstet 132:24-6, Feb 71
Plastubol in urological surgery. Kozma G.
Ther Hung 18:178-9, 1970
[Value of combined ampicillin-kanamycin in urologic surgery] Schulman CC.
Acta Urol Belg 38:474-80, 1970 (Fre)
[Cryotherapy in urology] Sesia G, et al.
Acta Urol Belg 38:50-60, Jan 70 (Fre)
[Infection and urinary surgery] Schulman CC.
Brux Med 50:521-3, Aug 70 (Fre)
[Gastrointestinal hemorrhages in urologic surgery] Gallizia F, et al.
J Urol Nephrol (Paris) 76:744-52, Jul-Aug 70 (Fre)
[Use of light molecular weight Dextran for prevention of postoperative thrombosis in urologic surgery] Moine C, et al. Lyon Med 222:214-9, 27 Jul 69 (Fre)
[Urology in the University Medical Center of Jassy] Franche O.
Rev Med Chir Soc Med Nat Iasi 74:921-5, Oct-Dec 70 (Fre)
[Indication for plastic surgery in the urogenital tract] Mayor G. Ther Umsch 27:298-305, May 70 (Ger)
[Studies with oral therapy of diabetes mellitus in urologic surgery] Haas P.
Z Urol Nephrol 62:463-7, 1969 (Ger)
[Failure of plastic surgery in childhood] Sökeland J, et al. Z Urol Nephrol 62:861-4, Nov 69 (Ger)
[Studies on water, electrolytes, and acid-base balance before and after urological surgery] Komiya T.
Acta Urol Jap 17:3-32, Jan 71 (Jap)
[The use of ketamine hydrochloride (Ketalar) for urological surgery and examinations] Sugawara K, et al. Acta Urol Jap 16:624-9, Oct 70 (Jap)
[Statistical observation on the surgical methods applied to out- and in-patients in the Urological Department of the Atami National Hospital in the past 16 months] Kawai T, et al. Iryo 25:189-94, Mar 71 (Jap)
[Symposium: transurethral resection] Koshiba T, et al.
Jap J Urol 61:871-6, Sep 70 (Jap)
[Intestinal obstruction following urologic surgery] Korzycki J, et al.
Pol Przegl Chir 43:1001-6, Jun 71 (Pol)
[Arterial hypertension following kidney and urinary tract surgery] Zieliński J.
Wiad Lek 23:1887-9, 1 Nov 70 (4 ref.) (Pol)
[Gastrointestinal hemorrhae in urologic patients] Blatnof KhP, et al.
Urol Nefrol (Mosk) 35:36-40, Sep-Oct 70 (Rus)
[The state of the blood clotting system following surgical intervention on the organs of the urinary tracts of children] Papaian AV, et al.
Vestn Khir 106:90-3, Apr 71 (Rus)
[Advances in childhood urological surgery] Puigdevall JC. Arch Argent Pediatr 68:379-80, Dec 70 (Spa)
[Value of transfusion indices in urologic surgery] Chacon O, et al.
Rev Venez Urol 22:99-121, Jan-Jun 70 (Spa)

THERAPY

[Vitamin C content in the daily No. 6 therapeutic diet rations at the Truskavets health resorts] Olefnik IuS.
Vopr Pitan 29:84-5, Jul-Aug 70 (Rus)

VETERINARY

Clinico-pathological conference: cellulitis, urolithiasis, chronic pyelonephritis, chronic cystitis and chronic prostatitis and cystic hyperplasia in a dog. Bovee KC, et al. J Am Vet Med Assoc 158:2077-85, 15 Jun 71

UROLOGY (G2)

see also related
UROLOGIC DISEASES (C6)

The American Urological Association and medical care crisis. Jaffar DJ. J Urol 104:489-93, Oct 70
Presentation of Barringer Medal to Dr. Victor F. Marshall. (Marshall VF),
Trans Am Assoc Genitourin Surg 62:8-9, 1970
[Current problems of Czech urology] Sváb J, et al.
Rozhl Chir 50:353-6, Jul 71 (Cze)
[Research in urology in the United States and Canada] Gooswilligen JC van.
Ned Tijdschr Geneeskd 115:29-31, 2 Jan 71 (Dut)
[Urologic case project] Cukier J, et al.
J Urol Nephrol (Paris) 77:83-105, Jan-Feb 71 (Fre)
[Defining the margins of surgery and urology]
Dtsch Med Wochenschr 96:607-8, 2 Apr 71 (Ger)
[Limitation of the surgical specialties--urology]
Munch Med Wochenschr 113:727, 30 Apr 71 (Ger)
[Reports from the 12th meeting of the North Germany Urologists Society held on May 8-9, 1970 in Berlin] Bleicken HG. Urologe 10:89-94, Mar 71 (Ger)
[Current status of urology in Japan] Takayasu H.
Urologe 9:169-70, Jul 70 (Ger)
[Principles of pediatric urology] Sigel A.
Z Urol Nephrol 62:983-6, Nov 69 (Ger)
[Ten years of the Kansai District Urological Association of Japan] Tomoyoshi T.
Acta Urol Jap 16:795-7, Dec 70 (Jap)
[Zdzislaw Wiktor (1911-1970), historian of medicine and professor of nephrology at the Medical Academy in Wroclaw] (Wiktor Z), Konopka S.
Arch Hist Med (Warsz) 33:239-46, 1970 (Pol)
[Experience in the work of the Republican Clinical Urologic Hospital] Dzhavad-Zade MD.
Urol Nefrol (Mosk) 35:49-51, Sep-Oct 70 (Rus)
[From the study trip to the Institute of Urology in London] Horňák M. Cas Lek Cesk 110:50-1, Jan 71 (Slo)

EDUCATION

[Urology in the University Medical Center of Jassy] Franche O.
Rev Med Chir Soc Med Nat Iasi 74:921-5, Oct-Dec 70 (Fre)
[Education of urologists] Minami T.
Jap J Urol 61:841-5, Sep 70 (Jap)
[Teaching of urology in the VI course at the medical institute] Gasparian AM, et al.
Urol Nefrol (Mosk) 35:52-4, Sep-Oct 70 (Rus)
[Teaching of urology to undergraduates at the Medical Institute] Pytel, et al.
Urol Nefrol (Mosk) 35:54-6, Sep-Oct 70 (Rus)

HISTORY

Marcello Malpighi (1628-1694) and Lorenzo Bellini (1643-1704). (Malpighi M), (Bellini L), Lilien OM.
Invest Urol 8:698-9, May 71
Ernst Georg Ferdinand von Küster (1839-1930). (Kuster EG von), Vaughan ED Jr. Invest Urol 8:583-4, Mar 71
A urological panorama. Millin T.
J Ir Med Assoc 64:307-12, 24 Jun 71
[Urology. Historical review-current status-patient and medical specialist] Staehler W.
Med Welt 2:67-78, 9 Jan 71 (Ger)
[The stone operation and the spread of the Sectio Mariana in France during the Renaissance] Galdenzi A. Riv Stor Med 13:63-79, Jan-Jun 69 (Ita)

INSTRUMENTATION

The control of incontinence of urine in women with a pubo-vaginal spring device: objective and subjective results. Edwards L. Br J Urol 43:211-25, Apr 71
A direct reading uroflowmeter for male and female use. Roy RR. Br J Urol 43:239-42, Apr 71
Needles for percutaneous renal biopsy in infants and children. Metcoff J. Pediatrics 46:738-9, Nov 70
[A polyurocystograph] Gasparian AM, et al.
Biull Eksp Biol Med 65:121-2, 1968 (Rus)

URONIC ACIDS (D11)

L-iduronidase in cultured human fibroblasts and liver. Matalon R, et al.
Biochem Biophys Res Commun 42:340-5, 22 Jan 71

ANALYSIS

An extracellular polysaccharide from Beijerinckia indica, containing L-guluronic acid residues. Haug A, et al. Acta Chem Scand 24:1855-6, 1970
Further investigations on the antigenic structure of Proteus mirabilis. II. Oligosaccharides derived from polysaccharides of the S-form. Kotelko K, et al.
Bull Acad Pol Sci [Biol] 16:745-50, 1968
Further investigations on the antigenic structure of Proteus mirabilis. I. The presence and role of uronic acids. Kotelko K, et al.
Bull Acad Pol Sci [Biol] 16:739-44, 1968
Structural studies on a glucose-containing polysaccharide obtained from Micrococcus lysodeikticus cell walls. II. Determination of the linkage points on N-acetyl-mannosaminuronic acid and its configuration. Hase S, et al.
J Biochem (Tokyo) 69:559-65, Mar 71
Identification of iduronic acid as the major sulfated uronic acid of heparin. Lindahl U, et al.
J Biol Chem 246:74-82, 10 Jan 71
[Determination of some constituents of cloacal gland secretion of Coturnix coturnix japonica] Pellerano Domini I, et al.
Boll Soc Ital Biol Sper 45:697-9, 31 May 69 (Ita)

ISOLATION & PURIFICATION

Thin-layer and paper chromatography of steroidal beta-D-glucopyranosides, beta-D-glucopyranosiduronic acids, and derivatives. Schneider JJ. J Chromatogr 54:97-102, 6 Jan 71

METABOLISM

Bilirubin conjugates of human bile. The excretion of bilirubin as the acyl glycosides of aldobiouronic acid, pseudoaldobiouronic acid and hexuronosylhexuronic acid, with a branched-chain hexuronic acid as one of the components of the hexuronosylhexuronide. Kuenzle CC. Biochem J 119:411-35, Sep 70
Structure of pig skin dermatan sulfate. 2. Demonstration of sulfated iduronic acid residues. Malmström A, et al. Eur J Biochem 18:431-5, 1 Feb 71
L-ascorbic acid biosynthesis in higher plants from L-guiono-1, 4-lactone and L-galactono-1, 4-lactone. Baig MM, et al. Plant Physiol 46:277-80, Aug 70

PHARMACODYNAMICS

Influence of anticoagulants and autonomic drugs on plasma free fatty acids and glucose. Papacostas CA, et al. Arch Int Pharmacodyn Ther 187:46-51, Sep 70
Studies on inhibition of intestinal absorption of radioactive strontium. IX. Relationship between biological activity and electron microscopic appearance of alginic acid components. Tanaka Y, et al. Can Med Assoc J 103:484-6, 12 Sep 70

URINE

Simultaneous determination of urinary uronic acids and saccharic acids by gas chromatography. Matsunaga I, et al.
Chem Pharm Bull (Tokyo) 18:2535-43, Dec 70

UROPEPSIN (D9)

ANALYSIS

Uropepsinogen reaction in surgical stress in terms of age. Groza P, et al. Rev Roum Physiol 6:203-6, 1969
[Gastrological problems in Addison's disease] Kalina Z, et al. Pol Tyg Lek 26:206-8, 8 Jul 71 (Pol)
[Studies on the changes of uropepsin in severely burned patients] Nasilowski W, et al.
Pol Tyg Lek 25:1834-7, 30 Nov 70 (Pol)
[Clinical value of determining uropepsin for studying the functional state of the adrenal cortex] Rybak IuN.
Sov Med 33:151-3, Sep 70 (Rus)
[Study of adrenal cortex function and uropepsinogen in the preoperative preparation of patients with gastric ulcer, cancer and polyposis] Mordvinkina TN.
Vestn Khir 105:31-5, Aug 70 (Rus)

METABOLISM

[Effect of the pituitary-adrenal system and administration of physiological saline on the excretion of uropepsinogen] Lipovskiĭ SM.
Biull Eksp Biol Med 71:15-7, May 71 (Rus)
[Significance of uropepsin determination in pilots] Lozinskiĭ VS. Voen Med Zh 10:65-6, Oct 70 (Rus)

URINE

Experimental gastric ulcers and uropepsinogen excretion in the rat. Coppi G, et al.
J Pharm Pharmacol 23:722-3, Sep 71
[Diagnostic significance in the determination of uropepsin] Zak IuI, et al.
Khirurgiia (Mosk) 46:106-11, Aug 70 (Rus)
[Uropepsin excretion in children with infectious hepatitis during the dynamics of the disease] Nevskaia EN.
Vopr Okhr Materin Det 16:83-4, Feb 71 (Rus)
Effect of some hormones on uropepsin excretion in dogs] Genes CG, et al.
Fiziol Zh 16:14-23, Jan-Feb 70 (Ukr)

URTICARIA (C12, C14)

Cholinergic urticaria with systemic presentation. Paver K. Australas J Dermatol 11:97-8, Aug 70
Cholinergic flushing: cholinergic urticaria: flexural dermatitis. Paver K.
Australas J Dermatol 11:98, Aug 70
Angioedema and urticaria. Kahn A Jr.
J Arkansas Med Soc 67:266-7, Jan 71
Urticaria of the colon. Berk RN, et al.
Radiology 99:539-40, Jun 71
[Allergologic exploration of urticaria and treatment by desensitization] Cordonnier V, et al.
J Sci Med Lille 87:501-6, Aug-Sep 69 (Fre)
[Personality of patients with chronic urticaria] Utsumi K, et al. Saishin Igaku 26:1303-8, Jul 71 (Jap)
[Chronic urticaria in children] Lewandowska J, et al.
Pediatr Pol 46:429-36, Apr 71 (Pol)
[Urticaria] Juhlin L.
Lakartidningen 68:1253-7, 10 Mar 71 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

BLOOD

Ceruloplasmin acitivity in chronic allergic urticaria. Chachaj W, et al. Bull Pol Med Sci Hist 14:65-7, Apr 71
[Studies on the fibrinolysis in chronic recurring urticaria with low fibrinogen level] Braun H, et al. Z Haut Geschlechtskr 45:761-4, 15 Nov 70 (Ger)
[Fibrinogen level in chronic-recurring urticaria] Nitzschner HH. Z Haut Geschlechtskr 45:321-7, 15 Apr 70 (Ger)

CHEMICALLY INDUCED

Sensitivity to cyanocobalamin and hydroxocobalamin. James J, et al. Br Med J 2:262, 1 May 71
[Immunologic mechanisms in urticaria caused by penicillin] Van Hecke E. Ann Dermatol Syphiligr (Paris) 98:147-52, 1971 (Fre)
[Urticaria due to vitamin B 12 allergy verified by the lymphoblastic transformation test] Meyer de Schmid JJ, et al. Bull Soc Fr Dermatol Syphiligr 76:670-1, 1969 (Fre)
[Expert testimony. Case No. 455-69. Roentgen contrast media sensitivity as occupational disease?] Arndt D. Dtsch Gesundheitsw 26:897-8, 6 May 71 (Ger)
[Allergic patent blue reaction in lymphography] Bohndof W, et al. Fortschr Geb Roentgenstr Nuklearmed 113:498-502, Oct 70 (Ger)

COMPLICATIONS

Hepatitis presenting as transient urticaria. Ljunggren B, et al. Acta Derm Venereol (Stockh) 51:295-7, 1971
[Neuropsychological findings in chronic urticaria] Drunkenmölle R. Dtsch Gesundheitsw 26:398-401, 25 Feb 71 (Ger)
[Vaccination in urticaria pigmentosa] Ehrengut W. Dtsch Med Wochenschr 96:134, 15 Jan 71 (Ger)

DIAGNOSIS

Negative reactions to ice in cold urticaria. Sarkany I, et al. Br J Dermatol 85:46-8, Jul 71
[2 cases of bullous urticaria] Brožková L, et al. Cesk Dermatol 45:243-4, Sep 70 (Cze)
[Professional urticaria] Kadlec K, et al. Cesk Dermatol 45:263-8, Dec 70 (Cze)

DRUG THERAPY

[Clinical experience in the use of Tathion tablets in the field of dermatology] Kashiwagi M. Acta Dermatol (Kyoto) 65:47-9, Feb 70 (Jap)
[Treatment of some dermatoses with histoglobin] Butovetskiĭ LD, et al. Sov Med 34:126-9, Jan 71 (Rus)
[Effect of histaglobin therapy on the antihistamine factor in chronic relapsing urticaria] Tikhomirova NV. Vestn Dermatol Venerol 44:24-7, Aug 70 (Rus)

ENZYMOLOGY

[Enzymatic changes in allergy of the immediate type] Faur A, et al. Med Interna (Bucur) 23:565-72, May 71 (Rum)

ETIOLOGY

Urticaria following the sequential breathing of various inert gases at a constant ambient pressure of 7 ATA: a possible manifestation of gas-induced osmosis. Blenkarn GD, et al. Aerosp Med 42:141-6, Feb 71
Data regarding the problem of physical allergies. Brassai Z, et al. Allerg Asthma (Leipz) 16:68-74, 1970
An assessment of the role of Candida albicans and food yeasts in chronic urticaria. James J, et al. Br J Dermatol 84:227-37, Mar 71
Urticaria and pruritus: uncommon manifestations of hyperthyroidism. Isaacs NJ, et al. J Allergy Clin Immunol 48:73-81, Aug 71
Cold urticaria: psychosomatic disorder? Ambrosino SV. NY State J Med 71:1223-5, 1 Jun 71
Richard's day. Schaeffer RH. Pediatrics 47:960-1, May 71
[Etiopathogenesis of cold urticaria] Schwank R. Cesk Dermatol 46:97-101, Jun 71 (Cze)
[Behavior of gastric secretion and morphologic findings in the gastric mucosa in chronic urticaria] Drunkenmölle R, et al. Dtsch Gesundheitsw 26:455-8, 4 Mar 71 (Ger)
[Cold urticaria and swimmer's death] Brandes K. Z Allgemeinmed 46:1219-20, 31 Aug 70 (Ger)
[Cold urticaria as an occupational disease] Folesky H. Z Gesamte Hyg 16:436-8, 1 Jun 70 (Ger)

FAMILIAL & GENETIC

Familial localized heat urticaria of delayed type. Michaëlsson G, et al. Acta Derm Venereol (Stockh) 51:279-83, 1971

IMMUNOLOGY

Immunoglobulins IgG, IgA and IgM in allergic diseases. Palma-Carlos AG, et al. Acta Allergol (Kbh) 26:161-80, Jun 71
Immunologic characterization of serum factors responsible for cold urticaria. Wanderer AA, et al. J Allergy Clin Immunol 48:13-22, Jul 71

OCCURRENCE

[Findings on allergic pathology in agricultural workers. I. Allergies of the I or immediate type] Saia B. Folia Med (Napoli) 53:73-82, Apr-May 70 (Ita)

PATHOLOGY

[Histologic studies in "physical urticaria" of the skin. I. The cellular reaction and its course in pressure urticaria] Illig L, et al. Hautarzt 21:355-69, Aug 70 (Ger)

THERAPY

[Is there a successful therapy of photosensitization?] Breit R. Z Allgemeinmed 47:825, 31 Jun 71 (Ger)
[Psychotherapy and psychopharmacotherapy in the treatment of chronic urticaria] Czubalski K. Psychiatr Pol 5:65-8, Jan-Feb 71 (Pol)

URINE

[Chronic urticaria and vitamin B6 dependent disorders in tryptophan metabolism] Knapp A, et al. Dermatol Monatsschr 156:175-83, 1970 (Ger)

VETERINARY

[Dermatographia (Urticaria factitia) in a cow. (Short clinical communication)] Stöber M, et al. Dtsch Tieraerztl Wochenschr 78:55-6, 1 Feb 71 (Ger)

URTICARIA, GIANT see ANGIONEUROTIC EDEMA

(C8, C12, C14)

URTICARIA PIGMENTOSA (C12)

Diffuse cutaneous mastocytosis. Verbov JL, et al. Br J Dermatol 84:190-1, Feb 71
[Generalized mastocytosis] Kammen E van. Ned Tijdschr Geneeskd 115:417-22, 6 Mar 71 (Dut)
[A case of systemic proliferative disease of mast cells (mastocytosis)] Hirnlowa L, et al. Pol Tyg Lek 26:279-80, 22 Feb 71 (Pol)

COMPLICATIONS

Urticaria pigmentosa associated with anetoderma. Carr RD. Acta Derm Venereol (Stockh) 51:120-2, 1971
Recurrent thrombophlebitis and pulmonary emboli in a patient with systemic mastocytosis. A case report. Vaidya AB, et al. Indian J Med Sci 25:166-9, Mar 71
[Urticaria pigmentosa and familial hyper-beta-lipoproteinemia in univular triplets] Lemmens H, et al. Arch Belg Dermatol Syphiligr 26:409-14, Jul-Sep 70 (Fre)
[Mastocytosis and pregnancy: a case of urticaria pigmentosa] Notter A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:455-6, Sep-Oct 69 (Fre)
[Mastocytosis cutis with antibody deficiency syndrome] Buchholz W, et al. Hautarzt 21:490-7, Nov 70 (Ger)
[Diffuse cutaneous mastocytosis with leukemic evolution] Piovano PB, et al. G Ital Dermatol 44:333-7, Jul 69 (Ita)

DIAGNOSIS

Failure of epinephrine to provoke flushing in patients with systemic mastocytosis. Vaidya AB, et al. Ann Intern Med 74:711-3, May 71
Dermatology mediquiz. Case 1. Robinson HS Jr. Med Times 99:81 passim, Mar 71
[An unusual type of cutaneous mastocytosis] Everard C. Arch Belg Dermatol Syphiligr 26:591, Oct-Dec 70 (Fre)
[Syncopal forms of mastocytosis] Arnould G, et al. Presse Med 79:1345-6, 12 Jun 71 (Fre)
[Experimental histamine determination in the diagnosis of teleangiectasia macularis eruptive perstans] Reinhard M, et al. Hautarzt 22:350-3, Aug 71 (Ger)
[Gastric acidity in patients with mastocytosis] Buchholz W. Z Haut Geschlechtskr 45:303-8, 1 Apr 70 (Ger)
[2 cases of mastocytosis cutis solitaria (naviformis) in children] Gwiezdziński Z, et al. Pediatr Pol 46:783-5, Jun 71 (Pol)

DRUG THERAPY

[Case report on the treatment of urticaria pigmentosa xanthelasmoidea bullosa with cyproheptadine] Haneke E. Dermatologica 141:247-51, 1970 (Ger)

ENZYMOLOGY

Diamine oxidase (histaminase) and heparin inhibition of gastric secretion in man. Hansson R, et al. Scand J Clin Lab Invest 26:263-9, Nov 70

ETIOLOGY

Cutaneous mastocytosis: an unusual radiation dermatitis. Macdonald A, et al. Proc R Soc Med 64:29-30, Jan 71

FAMILIAL & GENETIC

Urticaria pigmentosa discordant in identical twins. Gay MW, et al. Arch Dermatol 102:29-33, Jul 70
Urticaria pigmentosa in three siblings. Jelinek JE, et al. Arch Dermatol 103:458-9, Apr 71
Univular twins discordant for cutaneous mastocytosis. Selmanowitz VJ, et al. Arch Dermatol 102:34-41, Jul 70
[Familial cutaneous mastocytosis] Rocha GL, et al. An Bras Dermatol 45:317-24, Oct-Dec 70 (Por)

METABOLISM

Hyperchlorhydria and hyperhistaminemia in a patient with systemic mastocytosis. Keller RT, et al. N Engl J Med 283:1449-50, 24 Dec 70
5-hydroxytryptamine (serotonin) and 5-hydroxytryptophan in mast cells of human mastocytosis. Morishima T. Tohoku J Exp Med 102:121-6, Oct 70

PATHOLOGY

Bullous urticaria pigmentosa with bleeding. Simone JV, et al. J Pediatr 78:160-6, Jan 71
[Mastocytosis in children and infants. Clinical aspects and nosological considerations on 4 cases] Vaillaud JC, et al. Pediatrie 23:763-77, Oct-Nov 68 (Fre)
[Telangiectasia macularis eruptiva perstans. Contribution to the recognition of a peculiar form of urticaria pigmentosa] Klotz L. Hautarzt 21:372-5, Aug 70 (Ger)

USNIC ACID see under BENZOFURANS (D2)

USTILAGINALES see under BASIDIOMYCETES

(B5)

UTERINE DISEASES (C6)

Pyometra--a reappraisal. Whiteley PF, et al. Am J Obstet Gynecol 109:108-12, 1 Jan 71
Asherman's syndrome. Carmichael DE. Obstet Gynecol 36:922-8, Dec 70
[Sample history of uterine synechia] Gauthier C, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:313-5, Jun-Aug 69 (Fre)
[A curious case of "meno-uria"] Festy J, et al. Rev Fr Gynecol Obstet 64:481-6, Sep 69 (Fre)
[Prognosis of puerperal uterine inversion] Philipp E, et al. Z Geburtshilfe Gynaekol 173:339-43, 1970 (Ger)
[Clinical aspects of vesico-uterine fistula] Ljubović E. Z Urol Nephrol 63:668-73, Sep 70 (Ger)
[Syndroma Youssef] Krznar B, et al. Zentralbl Gynaekol 92:812-6, 20 Jun 70 (Ger)
[Diverticulum of the uterus] Peretz BA, et al. Harefuah 78:184-5, 15 Feb 70 (Heb)
[Vesico-uterine fistulas. (Clinical case)] Sidoti O, et al. Fracastoro 63:40-6, Jan-Feb 70 (Ita)
[Puerperal inversion of the uterus. Report of 2 cases] Arrigoni E, et al. Minerva Ginecol 22:831-6, 15 Sep 70 (Ita)
[Asherman's syndrome (clinical contribution)] Nonnis-Marzano C. Minerva Ginecol 22:650-6, 15 Jul 70 (Ita)
[Clinical case reports of acute inversion of the puerperal uterus] Pedronetto S. Minerva Ginecol 21:814-20, 15 Jul 69 (Ita)
[Acute puerperal inversion of the uterus. Clinical contribution] Taricco G. Minerva Ginecol 21:763-7, 30 Jun 69 (Ita)
[A case of deciduiform polypoid hyperplasia of the endometrium] Canepa M. Pathologica 59:425-7, Nov-Dec 67 (Ita)
[Findings on axial torsion of the uterus in pregnancy: apropos of a case] Cella PL. Quad Clin Ostet Ginecol 24:503-9, Jul 69 (Ita)
[Fistulas in the female genital tract. (Observations on a case of uterovesical and uteroenteric fistula)] Innamorati G, et al. Quad Clin Ostet Ginecol 24:261-71, Apr 69 (Ita)
[Tubercular endometritis. (Clinico-statistical study)] Seassaro E. Quad Clin Ostet Ginecol 24:303-15, Apr 69 (Ita)
[Premalignant lesions of the endometrium] Murphy Stack E. Prensa Med Mex 35:119-22, Mar-Apr 70 (Spa)

CHEMICALLY INDUCED

[Iatrogenic endometrial damage. Case report] Martínez

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

JT, et al.
Rev Obstet Ginecol Venez 30:425-34, 1970 (Spa)

COMPLICATIONS

Genu recurvatum, uterine retroversion and dysmenorrhea. Relation to fetal position. Chapple CC.
Clin Pediatr (Phila) 10:6-8, Jan 71
Repeated or habitual abortions.
Q Med Rev 21:1-30, Jul 70 (61 ref.)
[Voluminous asymptomatic hematometra revealing an intra-epithelial epithelioma developed on a generalized metaplasia of the endometrium] Soutoul JH, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:368-73, Jun-Aug 70 (Fre)
[Metastatic panophthalmia after labor] Berche L, et al.
Bull Soc Ophtalmol Fr 69:858-60, Sep-Oct 69 (Fre)
[10 years' experience with surgery of Douglas' pouch] Jamain B, et al.
Gynecol Obstet (Paris) 68:73-8, Jan-Mar 69 (Fre)
[Surrounding pathology in uterine retrodeviations: essential element in the discussion of therapeutic indications] Legros R, et al.
Rev Fr Gynecol Obstet 66:331-47, May 71 (Fre)
[Primary amenorrhea due to uterine synechia of tuberculous origin] Morin JP, et al.
Rev Fr Gynecol Obstet 64:539-49, Oct 69 (Fre)
[Sterility of utero-vaginal origin] Mousselon J.
Rev Lyon Med 19:Suppl:7-8, 1970 (Fre)
[Uterus infection in guinea pigs] Juhr NC, et al.
Z Versuchstierkd 12:383-7, 1970 (Ger)
[Recurrent abortion and uterine hypoplasia] Angeli G.
Minerva Ginecol 21:1073-6, 31 Aug 69 (Ita)
[Importance of the uterine anatomic factor in the etiology of recurrent abortion] Orlandi C, et al.
Minerva Ginecol 21:1061-4, 31 Aug 69 (Ita)
[Isthmic diseases and habitual abortion. Importance of isthmectomy] Salvi F.
Minerva Ginecol 21:679-81, 31 May 69 (Ita)
[The effect of uterine innervation disorders in pregnant rats on the vulnerability of their fetuses to the effects of hyperthermia and myelosan] Kurdovanidze IL.
Biull Eksp Biol Med 65:102-5, May 68 (Rus)

DIAGNOSIS

Adenomyosis: a clinical and pathological appraisal. Molitor JJ. Am J Obstet Gynecol 110:275-84, 15 May 71
A mistake in diagnosis. Humphries SV.
Cent Afr J Med 17:80-1, Mar 71
Ancillary technics with laparoscopy. Siegler AM, et al.
Fertil Steril 21:763-73, Nov 70
Out-patient diagnostic curettage. Holt EM.
J Obstet Gynaecol Br Commonw 77:1043-6, Nov 70
[Chylous metrorrea. Case reports] Gonzalez G.
Angiologia 23:25-36, Jan-Feb 71 (Mul)

DRUG THERAPY

The effectiveness and side-effect liability of propoxyphene hydrochloride and propoxyphene napsylate in patients with postpartum uterine cramping. Baptisti A Jr, et al.
Toxicol Appl Pharmacol 19:519-27, Jul 71
Relief of postpartum uterine cramping with propoxyphene and aspirin. Gruber CM Jr, et al.
Toxicol Appl Pharmacol 19:546-53, Jul 71
[Avafortan suppositories post-partum cramps] Gelle P, et al. Lille Med Suppl 6:1345+, Nov 70 (Fre)
[On glucose level increase in patients treated with estroprogestinic drugs] Marazzini F, et al.
Ann Ostet Ginecol 91:44-52, Jan 69 (Ita)
[Infections in uterus and adnexa: experiences with a new antibiotic] Schönborg U.
Lakartidningen 68:666-8 passim, 10 Feb 71 (Swe)

ETIOLOGY

Funiform myometrioparietal post-cesarean section adhesions. Denis R.
Am J Obstet Gynecol 108:674-6, 15 Oct 70
Sacculation of the pregnant uterus: a potential complication of tuboplasty. Becker SM, et al.
Fertil Steril 21:521-4, Jun 70
Uterine metaplasia in castrated rats following connection of the left uterine horn to a spleen-ovary tumor. Ber A. J Med (Basel) 2:13-24, 1971
[Uterine inversion. 4 cases] Bianc B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:157-8, Apr-May 69 (Fre)
[Postpartum uterine "gangrene"] Hartemann J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:325-7, Jun-Aug 69 (Fre)
[Case of entero-uterine fistula] Kekeh K, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:118-22, Apr-May 68 (Fre)
[2 cases of post-obstetrical vesico-genital fistulas] Simeoni CM, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:156-8, Apr-May 68 (Fre)
[Clinical aspects of the vesico-uterine fistula] Huber FB, et al. Z Urol Nephrol 63:217-20, 1970 (Ger)
[Youssef's syndrome. Apropos of a case] Gerli P, et al.
Osp Ital Chir 21:427-30, Nov-Dec 69 (Ita)

HISTORY

[Memory of my 1st surgical case] Masuko C.
Sanfujinka Jissai 19:1047-8, Oct 70 (Jap)

METABOLISM

[Lipid metabolism in precancerous conditions and uterine cancer] Nugmanov SN, et al.
Vopr Onkol 17:25-30, 1971 (Rus)

OCCURRENCE

[Uterine inversion in the Antonio Marín Pineda Central Hospital] Crespo González JJ.
Rev Obstet Ginecol Venez 30:125-35, 1970 (Spa)

PATHOLOGY

Adenomyosis: a clinical and pathological appraisal. Molitor JJ. Am J Obstet Gynecol 110:275-84, 15 May 71
The microvasculature of common uterine abnormalities, other than fibroids. Beilby JO, et al.
J Obstet Gynaecol Br Commonw 78:361-8, Apr 71
[Uterine tissue factors in uteroplacental apoplexy associated with life-endangering hemorrhage] Batár I, et al. Zentralbl Gynaekol 92:1214-21, 12 Sep 70 (Ger)
[On glial tissue in the uterus (gliomatosis uteri)] Hańaki W. Nowotwory 20:115-21, Apr-Jun 70 (Pol)
[Accelerated method of preparing cytological celloidin preparations of endometrial scrapings and loose pieces of tissue (biopsy)] Likhachev IuP, et al.
Arkh Patol 32:80-1, 1970 (Rus)
[Study of 505 cases of abnormal uterine hemorrhage and anatomo-clinical correlation with the endometrial biopsy] Bravo Sandoval J, et al.
Ginecol Obstet Mex 28:355-66, Sep 69 (Spa)

RADIOGRAPHY

Ureterouterine fistula after cesarean section. Diagnostic procedures. el-Mahgoub S, et al.
Am J Obstet Gynecol 110:881-2, 15 Jul 71
[Additional images of the uterus in hysterography: body diverticula, endocervix ectasies (their significance)] Wangermez J, et al.
J Radiol Electrol Med Nucl 52:300-5, May 71 (Fre)
[Preoperative hysterography. Preliminary results] Wahl P. Minerva Ginecol 22:740-3, 15 Aug 70 (Fre)
[On the significance of the pneumopelvigraphic finding of uterine flexo-version in the axial projection] Di Renzo R, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:961-8, 1968 (Ita)

SURGERY

Destruction of the endometrium by cryosurgery. Droegemueller W, et al.
Am J Obstet Gynecol 110:467-9, 15 Jun 71
Polycystic isthmocervicopathy treated by supraisthmic amputation by abdominal approach. Sârbu P, et al.
Rom Med Rev 15:58-64, Jan-Mar 71
Suprapubic trocar cystostomy. Beck RC.
Trans Pac Coast Obstet Gynecol Soc 37:17-23, 1970
[10 years' experience with douglassectomy] Jamain B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:491-2, 1968 (Fre)
[Twin pregnancy after Pestalozza's operation] Vitse M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:461-2, Nov-Dec 68 (Fre)
[Treatment of uterine malformation] Vaesen F.
Rev Med Liege 25:764-6, 1 Dec 70 (Fre)
[Traumatic damage to the suspension structures of the uterus (Allen-Masters-syndrome)] Käser O, et al.
Geburtshilfe Frauenheilkd 31:113-8, Feb 71 (Ger)
[Uterine suspension. A new technic] Schmidt-Matthiesen H.
Geburtshilfe Frauenheilkd 30:522-5, Jun 70 (Ger)
[Rare female urogenital fistulas] Albescu I.
Z Geburtshilfe Gynaekol 172:213-9, Jun 70 (Ger)
[Inversion of uterus in puerperium] Dolff JJ, et al.
Zentralbl Gynaekol 93:369-74, 20 Mar 71 (Ger)
[When hysteropexy is useful in the treatment of uterine retroversion] Confalonieri A.
Minerva Ginecol 22:1027-48, 15 Nov 70 (Ita)
[Radiologic examination in the diagnosis and evaluation of the results in treatment of uterine synechiae] Carazzone PF, et al.
Minerva Radiol 14:141-50, Mar-Apr 69 (Ita)
[Diagnostic suction curettage] Bjerre B, et al.
Lakartidningen 68:410-1, 27 Jan 71 (Swe)

THERAPY

Acute inversion of the uterus: a report of 2 cases and reappraisal of the method of management. Ping WW, et al. Med J Malaya 25:54-7, Sep 70
Uterine inversion. Stephenson HN.
Rocky Mt Med J 68:29-32, Jul 71
[Gynecological massage. Technic and results] Traissac R.
Bull Fed Soc Gynecol Obstet Lang Fr 20:136-8, Apr-May 68 (Fre)
[Late results of the treatment of Asherman's syndrome] David MP, et al.
Harefuah 79:257-8, 15 Sep 70 (Heb)
[Reposition of the post-partum inverted uterus by means of vaginal maneuvers. Study of 8 cases] Reyes Ceja L, et al.
Ginecol Obstet Mex 30:193-8, Aug 71 (Spa)

VETERINARY

Influence of melengestrol acetate on acute responses of the bovine uterus inoculated with Escherichia coli.
Lauderdale JW. Am J Vet Res 32:1033-8, Jul 71
Status of the mastitis-metritis-agalactia syndrome of sows. Martin CE.
J Am Vet Med Assoc 157:1519-21, 1 Dec 70
Pyometra in the bitch. Renton JP, et al.
J Small Anim Pract 12:249-54, Apr 71
A clinical evaluation of a form of intra-uterine therapy.
Bayer SN. Vet Rec 88:355-8, 3 Apr 71
Bacterial agglutinins in the bovine uterus following post-partum infection. Nunn WR, et al.
Vet Rec 87:380-1, 26 Sep 70
[Uterus of a rat, the horns of which are vesicularly distended and the tubes and cervix of which are completely closed] Fabian G.
Berl Munch Tieraerztl Wochenschr 83:114, 15 Mar 70 (Ger)
[Uterine and ovarian response in rabbits fed with hay from unfertilized and intensively fertilized grassland] Hahn J, et al.
Dtsch Tieraerztl Wochenschr 78:114-8, 15 Feb 71 (Ger)
[Bacterial flora in the uterus as a cause of sterility of mares in Northern Greece] Vlachos K, et al.
Dtsch Tieraerztl Wochenschr 78:87-91, 15 Feb 71 (Ger)

UTERINE HEMORRHAGE (C6, C17)

Abnormal uterine bleeding at puberty and climacteric.
Povey WG.
Clin Obstet Gynecol 13:474-88, Jun 70 (13 ref.)
Obstetric hemorrhage. Frequency, etiology, and prevention of deaths. Ruppersberg A Jr.
Tex Med 66:50-3, Nov 70
[Post-menopausal hemorrhage: study of 213 cases] Caouette M, et al. Laval Med 42:129-34, Feb 71 (Fre)
[Clinical and therapeutic considerations on utero-placental apoplexy] Colizzi E, et al.
Quad Clin Ostet Ginecol 24:131-43, Feb 69 (Ita)
[Clinical discussion: practical experience in the treatment of genital hemorrhage] Fujii K, et al.
Sanfujinka Jissai 20:62-73, Jan 71 (Jap)
[Post-menopausal hemorrhage] Pardo Vargas F.
Rev Colomb Obstet Ginecol 21:553-9, Nov-Dec 70 (Spa)

CHEMICALLY INDUCED

Postmenopausal bleeding: another side-effect of levodopa. Kruse-Larsen C, et al.
Lancet 1:707-8, 3 Apr 71
[Uterine bleeding as a placebo effect] Presl J, et al.
Cesk Gynekol 35:413-5, Sep 70 (Cze)
[Provocation of uterine hemorrhages and subcutaneous hematomas by the use of triamcinolone acetonide in allergic patients] Mathov E, et al.
Alergia 18:193-200, May 71 (Spa)

COMPLICATIONS

Manifestations of cerebral dysfunction in infancy and their association with toxaemia and antepartum haemorrhage. A cohort study. Roberts CJ.
Br J Prev Soc Med 25:135-9, Aug 71
[Obstetric prognosis after hemorrhage in the first half of pregnancy] Hilfrich HJ, et al.
Geburtshilfe Frauenheilkd 30:514-21, Jun 70 (Ger)

DIAGNOSIS

Physiology of abnormal bleeding. Cope E.
Br Med J 2:573-5 contd, 5 Jun 71
Inevitable ante-partum haemorrhage. Beazley JM.
Nurs Times 67:985-7, 12 Aug 71
[Treatment of functional uterine bleeding] Hashiguchi A. Sanfujinka Jissai 20:1-6, Jan 71 (Jap)
[Genital bleeding in climacteric and senile periods] Shinagawa N, et al.
Sanfujinka Jissai 20:309-13, Apr 71 (Jap)

DRUG THERAPY

Endocrine approach in the management of dysfunctional uterine bleeding. Garcia CR.
Clin Obstet Gynecol 13:460-73, Jun 70 (10 ref.)
[Trial treatment of genital hemorrhages with Dicynone] Gaudefroy M, et al.
J Sci Med Lille 86:629-39, Oct 68 (Fre)
[Clinical studies and endometrial histomorphological

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

findings by means of a new retroprogesterone derivative: 1,6 bis dehydro-6-chloro-retroprogesterone (Trengestone)] Andreoli C, et al. Minerva Ginecol 22:874-9, 30 Sep 70 (Ita)
[Clinical and hormonal aspects of therapeutic ovarian inhibition with antiovulatory steroids] Rendina GM, et al. Policlinico [Prat] 76:1383-91, 27 Oct 69 (Ita)
[Use of an antihemorrhagic factor (AMFAC) in obstetric-gynecologic hemorrhages of various origin] Giaquinto M, et al. Riv Ital Ginecol 53:549-59, Aug-Sep 69 (Ita)
[Treatment of functional uterine bleeding] Hashiguchi A. Sanfujinka Jissai 20:1-6, Jan 71 (Jap)
[Hormone therapy in uterine hemorrhage] Ishizuka N. Sanfujinka Jissai 20:24-33, Jan 71 (Jap)
[Controversy in the use of progestagens in the treatment of abnormal uterine bleeding] Teter J. Ginekol Pol 41:1385-90, 1970 (16 ref.) (Pol)
[Use of oxytocics in the control of hemorrhages after the insertion of intrauterine devices] Marques M de M, et al. Hospital (Rio de J) 78:177-89, Jul 70 (Por)
[Hormonal shifts during testosterone therapy of patients with dysfunctional hemorrhage] Aronovich AS. Akush Ginekol (Mosk) 46:31-4, Oct 70 (Rus)

ETIOLOGY

Dysfunctional bleeding. Cope E. Br Med J 2:631-2, 12 Jun 71
Differential diagnosis and clinical analysis of dysfunctional uterine bleeding. Beer AE. Clin Obstet Gynecol 13:434-50, Jun 70 (45 ref.)
Mechanisms of normal and dysfunctional uterine bleeding. Israel R, et al. Clin Obstet Gynecol 13:386-99, Jun 70 (34 ref.)
Endocrinologic aspects of dysfunctional uterine bleeding. Sobrinho LG, et al. Clin Obstet Gynecol 13:400-15, Jun 70 (41 ref.)
Role of Rho(D) immune globulin in induced abortions. Queenan JT. Mod Treat 8:159-68, Feb 71
Placenta percreta with bladder invasion and massive hemorrhage. Report of a case. Taefi P, et al. Obstet Gynecol 36:686-7, Nov 70
[Halothane anesthesia and uterine hemorrhage] Dahl A. Ugeskr Laeger 132:2085-6, 29 Oct 70 (Dan)
[Prolonged retention in arrested pregnancy: artificial evacuation; uterine rupture; hemorrhagic syndrome with extensive genital thromboses] Larcan A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:323-4, Jun-Aug 69 (Fre)
[A further case of placenta praevia with early manifestations] Milliani P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:513-4, Nov-Dec 70 (Fre)
[3 cases of placenta praevia with early hemorrhagic manifestations] Piana L, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:290-2, Jun-Aug 70 (Fre)
[A ruptured angular pregnancy] Salasc J. Bull Fed Soc Gynecol Obstet Lang Fr 22:292-4, Jun-Aug 70 (Fre)
[The present seriousness of criminal abortion] Monroxies M. Gynecol Obstet (Paris) 70:79-94, Jan-Feb 71 (Fre)
[Analysis of complications after legal interruption of pregnancy in Poland] Chroscielewski E. Med Leg Domm Corpor (Paris) 3:16-7, Jan-Mar 70 (Fre)
[Hemostasis in gynecologic bleeding after diagnostic abrasion] Slunsky R. Geburtshilfe Frauenheilkd 30:1077-83, Dec 70 (Ger)
[Genital hemorrhage in hemorrhagic diathesis] Felder KD. Gynaekol Rundsch 8:315-8, 1969 (Ger)
[Defibrination syndrome in pregnancy. (Report on 7 cases at the Innsbruck University Gynecologic Clinic from 1962 to 1968)] Kalkschmid W, et al. Wien Med Wochenschr 120:508-11, 4 Jul 70 (Ger)
[Psychogenic genital bleeding] Heiman M. Z Psychosom Med Psychoanal 16:324-32, Oct-Dec 70 (Ger)
[Uterine tissue factors in uteroplacental apoplexy associated with life-endangering hemorrhage] Batár I, et al. Zentralbl Gynaekol 92:1214-21, 12 Sep 70 (Ger)
[Malignant ovarian tumors causing uterine uterine bleeding] Tamás Z, et al. Orv Hetil 112:151-2, 17 Jan 71 (Hun)
[Case of spontaneous rupture of an aberrant placental vessel due to marginal insercion of the funiculum, with intact amniotic sac during labor] Maistri S, et al. Minerva Ginecol 22:892-6, 30 Sep 70 (Ita)
[The dynamism of general and local coagulo-fibrinolytic equilibrium in the pathogenesis of obstetrical hemorrhagic syndromes. Clinical case reports] Revelli E, et al. Minerva Ginecol 21:127-39, 15 Feb 69 (Ita)
[Dysfunctional uterine hemorrhages] Cella PL. Quad Clin Ostet Ginecol 24:317-36, May 69 (Ita)
[Genital bleeding and uterocervical lesions] Noda K. Sanfujinka Jissai 20:18-23, Jan 71 (Jap)
[Ovarian thecomatosis and hemorrhage in menopause] Kostina LI, et al. Vopr Onkol 16:11-7, 1970 (Rus)
[Connection between the glandulo-cystic hyperplasia of the endometrium and hemorrhage during the menopause] Ivanov AA. Pediatr Akush Ginekol 3:53-4, 1970 (Ukr)
[Autosensitization in dysfunctional uterine hemorrhages] Vorontsov OO. Pediatr Akush Ginekol 1:45-8, Jan-Feb 70 (Ukr)

IMMUNOLOGY

[Role of allergic factor in the pathogenesis of some forms of dysfunctional uterine hemorrhages] Vorontsov AA, et al. Akush Ginekol (Mosk) 46:36-9, Aug 70 (Rus)

METABOLISM

Glycogen and glycoprotein, acid mucopolysaccharides and lipids: histochemical study of the ovary in functional uterine bleeding. Ghosh BK, et al. J Indian Med Assoc 55:122-6, 16 Aug 70
[Fibrin clot and blood platelets in juvenile uterine hemorrhages] Gotsadze GG. Akush Ginekol (Mosk) 46:53-5, Aug 70 (Rus)
[Changes in the content of potassium and sodium in blood and urine after massive blood loss occurring as a result of obstetric-gynecological pathology] Kolganova NS. Akush Ginekol (Mosk) 46:44-7, Aug 70 (Rus)

MORTALITY

Case report XIV of maternal mortality study. Nassar GJ. J Miss State Med Assoc 11:541-2, Oct 70
[Maternal mortality. II. Predisposing factors of maternal mortality in bleedings of the 3d trimester of pregnancy] Chávez Azuela J, et al. Ginecol Obstet Mex 29:29-36, Jan 71 (Spa)

OCCURRENCE

[The single instrument abortion during the first 3 months of pregnancy and its quota of disorders with inflammatory complications] Altmann W. Zentralbl Gynaekol 92:984-93, 1 Aug 70 (Ger)
[Bleedings in the early pregnancy in a total material of 48017 deliveries. Statistical evaluation] Krauss A, et al. Zentralbl Gynaekol 93:969-71, 17 Jul 71 (Ger)

PATHOLOGY

Utero-ovarian pathology in dysfunctional uterine bleeding. Czernobilsky B. Clin Obstet Gynecol 13:416-33, Jun 70 (38 ref.)
[Comparative studies on cytological and histological findings in hemorrhage during the climacteric and menopause] Berger M, et al. Arch Gynaekol 211:346-7, 4 Jun 71 (Ger)
[Uterine bleeding and endometrial involvement] Hachiya S, et al. Sanfujinka Jissai 20:7-17, Jan 71 (Jap)
[Study of 505 cases of abnormal uterine hemorrhage and anatomo-clinical correlation with the endometrial biopsy] Bravo Sandoval J, et al. Ginecol Obstet Mex 26:355-66, Sep 69 (Spa)

PHYSIOPATHOLOGY

[Study of the function of the thyroid gland with the aid of radioiodine in patients with dysfunctional uterine hemorrhages] Pchelkina IB. Akush Ginekol (Mosk) 46:39-40, Aug 70 (Rus)
[Ovarian activity in functional uterine hemorrhage] Zaitsev NA. Akush Ginekol (Mosk) 46:61-2, Feb 70 (Rus)
[Homeostatic functions of the kidney in heavy loss of blood during labor] Zhukova OS. Pediatr Akush Ginekol 4:50-2, Jul-Aug 70 (Ukr)

PREVENTION & CONTROL

[Prophylactic use of methylergometrine and oxytocin in the placental and early puerperal stages] Zeinalova AG. Akush Ginekol (Mosk) 46:71-4, May 70 (Rus)

SURGERY

Surgical management of dysfunctional uterine bleeding. Mikuta JJ. Clin Obstet Gynecol 13:451-9, Jun 70 (10 ref.)
Cryosurgery in patients with dysfunctional uterine bleeding. Droegemueller W, et al. Obstet Gynecol 38:256-8, Aug 71
[Conservative surgery of the uterus] Andreoli C. Minerva Ginecol 23:724-8, 15 Aug 70 (Ita)
[Pregnancy after ligation of the uterine arteries] Lenzi G. Minerva Ginecol 22:749-50, 15 Aug 70 (Ita)
[Evaluation of surgical hemostasis in obstetric hemorrhage and description of its technics] Hiraoka O, et al. Sanfujinka Jissai 20:165-76, Feb 71 (Jap)
[Conservative-surgical method of arresting hypotonic and atonic hemorrhages] Savitskiĭ PM. Pediatr Akush Ginekol 3:35-7, 1970 (Ukr)

THERAPY

Management of abnormal bleeding. Cope E. Br Med J 2:700-1, 19 Jun 71
[Treatment of severe forms of retroplacental hemorrhage] Landes P. Bull Fed Soc Gynecol Obstet Lang Fr 21:363-5, Jun-Aug 69 (Fre)
[Thromboplastic activity of endometrium extracts in hemorrhages during the female climacteric] Slunsky R. Z Geburtshilfe Gynaekol 172:296-303, Jun 70 (Ger)

URINE

The value of urinary oestriol estimation in patients with antepartum haemorrhage. Beischer NA, et al. Aust NZ J Obstet Gynaecol 10:191-204, Nov 70
Urinary oestriol excretion before accidental haemorrhage. Beischer NA, et al. J Obstet Gynaecol Br Commonw 78:322-9, Apr 71
[Level of gonadotropic hormones in the urine in patients with dysfunctional uterine hemorrhage] Sokolov EG. Akush Ginekol (Mosk) 46:59-60, Feb 70 (Rus)

UTERINE INERTIA (C6)

[Case of spontaneous rupture of an aberrant placental vessel due to marginal insercion of the funiculum, with intact amniotic sac during labor] Maistri S, et al. Minerva Ginecol 22:892-6, 30 Sep 70 (Ita)

BLOOD

[Iron, copper and cholinesterase in blood of women during labor in uterine inertia] Khodak AA. Akush Ginekol (Mosk) 47:69-71, May 71 (Rus)

DRUG THERAPY

[Our experience with the use of oral syntocinon during labor] Iliev G, et al. Akush Ginekol (Sofiia) 8:399-403, 1969 (Bul)
[Use of syntocinone oral tablets in obstetrics] Sezer E, et al. Zentralbl Gynaekol 92:268-71, 28 Feb 70 (Ger)
[Serotonin and the function of smooth muscles (review of the literature)] Baksheev NS, et al. Akush Ginekol (Mosk) 45:3-10, Sep 69 (Rus)
[Use of chlorous cobalt in the complex method of labor stimulation] Khodak AA. Pediatr Akush Ginekol 4:46-8, Jul-Aug 70 (Ukr)

ETIOLOGY

Uterine hypotonia. Courtney L. Br Med J 3:637, 11 Sep 71

PHYSIOPATHOLOGY

[Histo-physiological peculiarities of the myometrium in full-term pregnancy, during labor and in uterine inertia] Zheleznov BI, et al. Akush Ginekol (Mosk) 47:53-7, May 71 (Rus)

SURGERY

[Surgical treatment of cervico-segmental insufficiency during pregnancy] Taricco G. Minerva Ginecol 21:1121-7, 15 Sep 69 (Ita)

VETERINARY

[A preparation intensifying uterine contraction] Silaev AM. Veterinariia 11:102, Nov 70 (Rus)

UTERINE NEOPLASMS (C2)

Uterine and-or ovarian tumors weighing 25 pounds or more. A review of the literature in English since 1946. Beacham WD, et al. Am J Obstet Gynecol 109:1153-61, 15 Apr 71
Trophoblastic disease: natural history, diagnosis, and treatment. Li MC. Ann Intern Med 74:102-12, Jan 71 (74 ref.)
Factors controlling the growth of the Yoshida ascites tumour in the uterus of the rat. Lions J. Br J Exp Pathol 51:453-63, Oct 70
Mixed tumour of the uterus (report of a case and review of literature). Kshirsagar VH, et al. Indian J Cancer 7:306-13, Dec 70
Adenomyosis uteri. Datti SP, et al. J Indian Med Assoc 55:189-94, 16 Sep 70
Adenomyosis. Mallik KC. J Indian Med Assoc 55:207-9, 16 Sep 70
The vascular patterns in myomatous uteri. Farrer-Brown G, et al. J Obstet Gynaecol Br Commonw 77:967-75, Nov 70
Vesicular mole. Analysis of 54 cases. Kale BV. J Postgrad Med 16:77-82, Apr 70
Support of deciduoma formation and growth by the transplanted ovary of the rat. Bartosik D, et al. J Reprod Fertil 23:505-7, Dec 70
The differentiation of the decidua at ovo-implantation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

in the guinea-pig contrasted with that of the traumatic deciduoma. Deanesly R. J Reprod Fertil 28:91-7, Jul 71
Cancer of the uterus. Douglas GF.
Med Trial Tech Q 17:340-8, Mar 71
Mixed mesodermal tumors. Report of a case. Glover JB.
NC Med J 31:461-2, Dec 70
Hemangiomas of the female enital tract. Griffin B.
South Med J 64:104-7, Jan 71
Carcinoma of the endometrium. Hansbarger EA Jr, et al. Va Med Mon 98:31-5, Jan 71
"Of cancer peculiar to women". Hoge RH.
Va Med Mon 98:192-4, Apr 71
Adenocarcinoma of the endometrium: diagnosis, treatment and results in a general hospital. Portales R. W Va Med J 67:5-9, Jan 71
[Bone metastases in malignant gynecologic neoplasms] Landrgot B, et al.
Acta Chir Orthop Traumatol Cech 37:322-7, Dec 70 (Cze)
[50 years' survey of anatomoclinical aspects and diagnosis of fibromyoma] Bourg R.
Brux Med 50:931-44, Nov 70 (Fre)
[Uterine lipoma: a personal case] Cognat M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:268-70, Jun-Aug 69 (Fre)
[2 cases of cytogenetic endometriosis] Laffargue P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:162-5, Apr-May 68 (Fre)
[Uterine sarcoma: anatomic and clinical study of a series of 45 cases] Mousselon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:264-8, Jun-Aug 69 (Fre)
[Cancer of the endometrium with bilateral tubal localization. Survival after 4 years] Serment H, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:323-4, Jun-Aug 70 (Fre)
[Secondary liver cancer in Senegal] Abondo A, et al.
Bull Soc Med Afr Noire Lang Fr 15:866-73, 1970 (Fre)
[Uterine adenomyosis] Musset R.
Can Coll Med Hop Paris 9:1001-11, Nov 68 (Fre)
[Specific action of metronidazole on the bad odor emitted by uterine cancer] Okawa T.
Gynecol Prat 20:37-40, 1969 (Fre)
[Endometrial polyps of the intramural portion of the fallopian tube] Gaudefroy M, et al.
J Sci Med Lille 86:613-7, Oct 68 (Fre)
[Hormonal environment of endometrial cancer] Grégoire L, et al.
Probl Actuels Endocrinol Nutr 13:301-36, 1969 (Fre)
[Gynecologic sarcoma] Bossart H, et al.
Rev Med Suisse Romande 89:657-77, Jun 69 (Fre)
[Endometrial cancer] Curchod A, et al.
Rev Med Suisse Romande 89:547-63, Jun 69 (Fre)
[The mesonephrogenic carcinoma in childhood] Paulussen F, et al.
Geburtshilfe Frauenheilkd 31:228-40, Mar 71 (Ger)
[Endocrinology of chorioepithelioma] Lajos L, et al.
Zentralbl Gynaekol 92:959-65, 25 Jul 70 (Ger)
[The cultivation and testing of corpus carcinoma by means of cell culture against cytostatic agents] Spitzbart H, et al.
Zentralbl Gynaekol 92:1005-7, 1 Aug 70 (Ger)
[Treatment of a case of lymphatic leukosis in association with adenocarcinoma of the endometrium] Zeni G, et al.
Attual Ostet Ginecol 15:131-7, Mar-Apr 69 (Ita)
[Senile endometrium and adenocarcinoma. (Histochemical comparison)] Signorelli I.
Biol Lat 22:155-9, Apr-Jun 69 (Ita)
[Mixed mesodermic tumor of the uterine body. Nosologic considerations and case contribution] Scaglione V, et al.
Folia Hered Pathol (Milano) 17:209-20, Oct 68 (Ita)
[A case of multiple cutaneous leiomyoma] Ruocco V. G Ital Dermatol 44:285-90, Jun 69 (Ita)
[Lipids and phospholipids in the uterine cells in normal and pathological conditions] Moggian G, et al.
Minerva Ginecol 23:301-3, 31 Mar 71 (Ita)
[Uterine lipoma. Case contribution] Vadora E, et al.
Minerva Ginecol 21:759-62, 30 Jun 69 (Ita)
[Uterine stromatosis. Bibliographic review and clinical contribution] Leocani B, et al.
Quad Clin Ostet Ginecol 23:437-67, Jun 68 (Ita)
[Calcific adenoacanthoma of the endometrium] Barbieri G, et al.
Riv Anat Patol Oncol 35:235-45, 1969 (Ita)
[Uterine hemangiopericytoma] Coscia Porrazzi L, et al.
Riv Anat Patol Oncol 33:584-96, 1968 (Ita)
[2 cases of hydatidiform mole diagnosed at 51 and 16 years] Perniola L, et al.
Riv Anat Patol Oncol 33:754-65, 1968 (Ita)
[Bilateral breast tumors or breast tumors associated with uterine tumors] Garusi G, et al.
Tumori 56:83-91, Mar-Apr 70 (Ita)
[Endocrine environment of chorionic tumor] Okamoto M. J Jap Obstet Gynecol Soc 23:432-40, May 71 (Jap)
[Multiple cancer including uterine cancer] Masubuchi K, et al. Jap J Cancer Clin 16:982-7, Sep 70 (Jap)
[Surgically treated case of extradural metastasis of cholioepithelioma] Kobayashi M, et al.
Orthop Surg (Tokyo) 22:313-5, Apr 71 (Jap)
[Cancer of the endometrium in patients treated at the Institute of Oncology at Gliwice in the period 1947-1960] Więckowska Z.
Nowotwory 21:141-8, Apr-Jun 71 (Pol)
[Delayed single metastasis of uterine cancer to the spleen] Kopacz A, et al.
Pol Przegl Chir 42:1467-70, Oct 70 (Pol)
[Sarcoma of the uterus] Bastos A da C, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:Suppl 2:1-4, 1970 (Por)
[Pelvic phlebography as a method of diagnosing regional metastasis in cancer of the uterus] Kharin AF. Akush Ginekol (Mosk) 46:17-20, Mar 70 (Rus)
[Cancer of the uterus] Randelov SA.
Akush Ginekol (Mosk) 46:23-5, Aug 70 (Rus)
[Heterologic mesodermal tumors of the uterus] Vasnetsov NS. Arkh Patol 32:58-62, 1970 (Rus)
[Uterine angiomas] Anbrokh IaM.
Vopr Okhr Materin Det 16:86-7, Jan 71 (Rus)
[Transplantation of Brown-Pearce tumor into the uterus of castrated female rabbits] Nikolaichuk SP, et al. Vopr Onkol 16:76-9, 1970 (Rus)

BLOOD

Serum placental lactogen activity in patients with molar pregnancy and trophoblastic tumors--a reliable index of malignancy. Goldstein DP.
Am J Obstet Gynecol 110:583-7, 15 Jun 71
[Blood glycoproteins in various pathologic inflammatory conditions and in uterine tumors] Azzarini V, et al.
Quad Clin Ostet Ginecol 24:84-90, Jan 69 (Ita)
[Serum proteins and electrolytes in patients with cancer of the uterus] Madajewicz S, et al.
Nowotwory 21:89-94, Jan-Mar 71 (Pol)
[Behavior of SH protein groups and glutathione level in women with myoma of the uterus] Kotliński J.
Pol Tyg Lek 26:51-3, 11 Jan 71 (Pol)
[Characteristics of acid-base equilibrium of the blood in patients with uterine myoma] El'tsova-Strelkova LI. Akush Ginekol (Mosk) 46:27-30, Oct 70 (Rus)
[Volume of circulating erythrocytes and hematocrit index in patients with myoma of the uterus] Lavrushko IL.
Akush Ginekol (Mosk) 46:28-31, Mar 70 (Rus)
[Functional state of the blood coagulation and anticoagulation systems during surgery of uterine myomas] Kovalenko LA.
Vopr Onkol 16:77-80, 1970 (Rus)
[Study of coagulation and anticoagulation of blood in uterine vessels in fibromyoma] Kovalenko LA.
Pediatr Akush Ginekol 6:55-8, 1970 (Ukr)

CHEMICALLY INDUCED

Interaction between compound F 6066 (Sexovid, cyclofenil NFN) and progesterone in the pregnancy maintenance test and on deciduoma formation in mice. Carlborg L. Acta Soc Med Ups 75:150-6, 1970
Deciduomal reaction induced in rhesus monkeys by tubal injection of arachis oil and by the presence of an intrauterine device. Marston JH, et al.
J Reprod Fertil 25:451-4, Jun 71
[Induction of malignant tumors in the corpus uteri of the mouse by 20-methylcholanthrene, and the influence of simultaneous gestagen treatment on histological structure and DNA stemlines of tumors] Boquoi E, et al. Z Krebsforsch 74:59-75, 1970 (Ger)
[Adverse effects of contraceptives. IV. The problem of potential carcinogenic effects of contraceptive steroids] Hertz R.
Gac Med Mex 100:849-59, Aug 70 (Spa)

CLASSIFICATION

Objective procedure of constructing stages in cancer. Its application in recurrent carcinoma of the corpus uteri. Kurohara SS, et al.
Acta Radiol [Ther] (Stockh) 9:513-27, Dec 70
[TNM classification and 5-year cure rate of uterine neoplasms--retrospective study of cases treated during 1954-1963] Masubuchi K, et al.
Jap J Cancer Clin 17:142-5, 1971 (Jap)

COMPLICATIONS

An ovarian hilus-cell tumor associated with endometrial carcinoma: report of a case. Huang TY, et al. Am J Clin Pathol 54:147-50, Jul 70
Infertility due to endometriosis. Conservtive surgical therapy. Spangler DB, et al.
Am J Obstet Gynecol 109:850-7, 15 Mar 71
Secondary polycythemia and uterine leiomyomata. Maudsley RF, et al.
Can Med Assoc J 103:517-8, 12 Sep 70
A case of Stein-Leventhal syndrome complicated by large multiple fibromyomas. Fook CW.
Med J Malaya 24:314-6, Jun 70
Endometrial carcinoma associated with Stein-Leventhal syndrome. Chuang JT, et al.
NY State J Med 71:1231-4, 1 Jun 71
[A rare case of uterine carcinoma with bilateral carcinoma of ovaries] Mirkov K, et al.
Akush Ginekol (Sofiia) 10:162-3, 1971 (Bul)
[Latent pseudo-neoplastic endometrioma of the left colon and uterine fibromyoma with ovarian cysts] Lieutaud R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:166-8, Apr-May 68 (Fre)
[Ovarian thecoma associated with adrenocarcinoma of the endometrium. Biochemical study] Netter A, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:431-8, Sep-Oct 70 (Fre)
[Endometriosis of the ileum and uterine fibromyoma] Poupée JC, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:147-8, Apr-May 69 (Fre)
[Etiologic problem raised by malignant gelatinous ascites] Hertz C, et al.
Bull Mem Soc Chir Paris 59:281-7, 1969 (Fre)
[Acute hemoperitoneum after varix rupture in the myomatous uterus] Amon K, et al.
Dtsch Gesundheitsw 26:1179-80, 17 Jun 71 (Ger)
[Syntropy of malignant diseases with hemoblastosis] Firusian N, et al. Med Klin 65:2113-7, 27 Nov 70 (Ger)
[The connection between obesity, hypertension, diabetes mellitus and uterine carcinoma] Haldemann R. Z Geburtshilfe Gynaekol 173:323-30, 1970 (Ger)
[Stein-Leventhal syndrome and uterus carcinoma] Tóth F, et al.
Z Geburtshilfe Gynaekol 172:276-85, Jun 70 (Ger)
[Coincidence of a submucous uterine myoma with pregnancy] Philadelphy I, et al.
Zentralbl Gynaekol 92:1317-9, 3 Oct 70 (Ger)
[Endometriosis of the sigmoid with secondary intestinal obstruction] Dallavalle R.
Atti Accad Med Lomb 23:275-82, Apr-Jun 68 (Ita)
[On a case of Recklinghausen's neurofibromatosis] Depiano A, et al. Cancro 22:569-78, 1969 (Ita)
[Bladder metastasis of a chorionepithelioma secondary to a hydatidiform mole] Meie V, et al.
Cancro 22:32-49, 1969 (Ita)
[2 cases of ampulla tubae pregnancies, 1 associated with uterine pregnancy and the other with an infraligamentary soft myoma simulating uterine pregnancy in the left horn of a double-horned uterus with a single cervix] Fossati S.
Minerva Ginecol 22:657-63, 15 Jul 70 (Ita)
[Urographic and radionephrographic examinations in evaluation of the urological complications of utero-ovarian neoplasms] De Marzi S, et al.
Radiol Med (Torino) 55:1079-89, 1 Nov 69 (Ita)
[Clinical pattern, course and results of treatment in cases of uterine cortex cancer coexisting with uterine myoma] Świątkowska H, et al.
Ginekol Pol 41:1223-6, Nov 70 (Pol)
[Carcinoma of the uterine body with complete genital prolapse] Szczurkowski M.
Wiad Lek 24:983-4, 15 May 71 (Pol)
[Virilization syndrome associated with endometrial carcinoma and development of atypical epithelium in the vaginal stump (in situ carcinoma)] Luca LA de.
Rev Paul Med 77:183-92, May 71 (Por)
[Symptomatic absolute erythrocytosis in myoma of the uterus] Korchmaru IF, et al.
Akush Ginekol (Mosk) 46:71-3, Mar 70 (Rus)
[Uterine myoma in sterility and infertility] Bianco Sancho R.
Acta Obstet Ginecol Hisp Lusit 19:53-74, Feb 71 (Spa)
[Report on the relation between limited hypothyroidism and uterine fibromyomatosis] González Gutiérrez JT.
Ginecol Obstet Mex 28:777-85, Dec 69 (Spa)
[Polycythemia caused by uterine myoma] Sjöstrand A.
Nord Med 85:149-50, 4 Feb 71 (Swe)

DIAGNOSIS

An appraisal of the irrigation cytology method for uterine cancer detection. Coleman SA, et al.
Acta Cytol (Baltimore) 14:502-6, Sep-Oct 70
The early diagnosis of uterine cancer by smears. Viana O. Acta Cytol (Baltimore) 14:544-9, Sep-Oct 70
The value of laparoscopy in the differential diagnosis between uterine fibromyomata and adnexal tumours. Samuelsson S, et al.
Acta Obstet Gynecol Scand 49:175-8, 1970
The alleged usefulness of 6-phosphogluconate dehydrogenase determinations in screening for uterine cancer. Sanner T, et al.
Acta Obstet Gynecol Scand 49:371-4, 1970
Fibromyomata of the uterus with hemothorax. Meigs' syndrome? Solomon S, et al.
Arch Intern Med 127:307-9, Feb 71
Medical presentations of choriocarcinoma. Magrath IT, et al. Br Med J 2:633-7, 12 Jun 71
Cytodiagnosis of endometrial carcinoma. Liu W.
Can J Med Technol 33:26-31, Feb 71
Hydatidiform mole with negative tests for chorionic gonadotrophin. Lowe AC, et al.
Can Med Assoc J 104:64, 9 Jan 71
A mistake in diagnosis. Humphries SV.
Cent Afr J Med 17:60-1, Mar 71
Choriocarcinoma scanning using radiolabeled anti-body to chorionic gonadotrophin. Quinones J, et al.
J Nucl Med 12:69-75, Feb 71
Out-patient diagnostic curettage. Holt EM.
J Obstet Gynaecol Br Commonw 77:1043-6, Nov 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The diagnosis of trophoblastic tumours from uterine curettings. Elston CW. J Pathol 101:Pv, Aug 70
Screening of uterine cancer in Hungary. Zoltán I. Minerva Ginecol 23:12-3, 15 Jan 71
Abortions and unrecognized trophoblastic disease. DeCherney AH, et al. N Engl J Med 285:407-8, 12 Aug 71
The activity of serum alkaline phosphatase in patients with endometrial carcinoma. I. Laurová L, et al. Neoplasma 18:413-9, 1971
Carcinoma corporis uteri. (Clinical assessment of the material for 25 years). Ptáčková B. Neoplasma 17:405-13, 1970
Selective conization of the cervix in endometrial cancer. Ziel HK, et al. Obstet Gynecol 37:48-50, Jan 71
[Endometrial carcinoid] Vácha K, et al. Cesk Gynekol 35:454-5, Oct 70 (Cze)
[Pseudo-sarcromatous uterine epithelioma. Diagnostic problems] Gautier P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:462-3, Nov-Dec 68 (Fre)
[Introduction of cyto-centrifugation for mass detection (uterine cancer)] Haour P, et al. Minerva Ginecol 23:34-5, 15 Jan 71 (Fre)
:[Routine mass detection of cancer of the uterus by cytology. Experience of 5 years at the diagnostic clinic of the Institute Jules Bordet] Salhadin A, et al. Minerva Ginecol 23:304, 31 Mar 71 (Fre)
[New technic of detection of cancer of the endometrium] Pathol Biol (Paris) 18:1025-6, Nov 70 (Fre)
[Comparative studies on cytological and histological findings in hemorrhage during the climacteric and menopause] Berger M, et al. Arch Gynaekol 211:346-7, 4 Jun 71 (Ger)
[Differential diagnosis of uterine carcinoma] Bahrmann E, et al. Dtsch Gesundheitsw 25:2136-9, 5 Nov 70 (Ger)
[Value of ultrasonic examination in the differential diagnosis of pregnancy in a uterus myomatosus and hydatidiform mole] Bregulla K, et al. Geburtshilfe Frauenheilkd 30:1116-20, Dec 70 (Ger)
[Thermographic studies in obstetrics and gynecology] Täger F. Geburtshilfe Frauenheilkd 30:990-6, Nov 70 (Ger)
[Importance of cytology in the diagnosis of early stages of corpus uteri neoplasms] Berger M, et al. Minerva Ginecol 23:108-10, 31 Jan 71 (Ger)
[Amputation of the portio vaginalis and conization as a diagnostic and therapeutic measure after suspect or positive routine examination of the portio vaginalis uteri] Brandl K, et al. Z Geburtshilfe Gynaekol 172:113-30, Apr 70 (Ger)
[Clinical value of gamma-glutamyltranspeptidase determinations in endometrial hyperplasia and adenocarcinoma of the uterus] Dzioba A, et al. Zentralbl Gynaekol 92:1171-4, 5 Sep 70 (Ger)
[On some histochemical aspects of simple endometrial glandular hyperplasia in initial adenocarcinomatous transformation and with evident adenocarcinomatous aspects] Maggioni G, et al. Biol Lat 22:127-34, Apr-Jun 69 (Ita)
[Vaginal trichomoniasis: epidemiologic, statistical and clinical data in relation to the mass screening for uterine neoplasms] Montemezzi L, et al. Fracastoro 63:833-44, Nov-Dec 70 (Ita)
[Early diagnosis and prevention of cancer of the uterine cervix in the province of Modena] Bertaglia A, et al. Minerva Ginecol 23:23-31, 15 Jan 71 (Ita)
[Endometrial aspriation in the cytological diagnosis of carcinoma of carcinoma of the uterine body] Centaro A, et al. Minerva Ginecol 23:297-8, 31 Mar 71 (Ita)
[Colpocytologic mass screening in Sardinia. Results of the activity between July 1966 and December 1969] Giacobbe E. Minerva Ginecol 23:111-3, 31 Jan 71 (Ita)
[Activities and results of the colpocytology and colposcopy service of the Centro Tumori di Palermo in the 3-year period of 1968-9] Lima G, et al. Minerva Ginecol 23:133-4, 15 Feb 71 (Ita)
[Carcinoma of the uterus from the preclinical phase to the phase of inoperability] Meloni R. Minerva Ginecol 21:1236-9, 30 Sep 69 (Ita)
[Detection of cancer of the endometrium] Rocchi L. Minerva Ginecol 23:137-9, 15 Feb 71 (Ita)
[Results of the campaign for early diagnosis of tumors of the uterus in the Republic of San Marino] Rolli G, et al. Minerva Ginecol 23:273-7, 31 Mar 71 (Ita)
[Diagnostic measures for early detection of endometrial tumors] Salvati A. Minerva Med 61:5204-8, 14 Nov 70 (Ita)
[Ctdiagnosis in cancer of the corpus uteri] Cella PL. Quad Clin Ostet Ginecol 24:449-65, Jul 69 (Ita)
[Mass screening of uterine cancer performed in Kochi Prefecture] Ota T, et al. Iryo 24:715-20, Sep 70 (Jap)
[Retrospection on mass screening of registered patients for uterine cancernichibo-Miyagi method] Noda K, et al. J Jap Obstet Gynecol Soc 22:1049-52, Sep 70 (Jap)
[Cytodiagnosis by endometrial aspiration for the detection of cancer of the body of the uterus] Masubuchi K, et al. Jap J Cancer Clin 16:919-26, Sep 70 (Jap)
[Mass screening test and the treatment of uterine cancer] Kushima K. Sanfujinka Jissai 19:1157-62, Nov 70 (Jap)
[Results of the mass examination of uterine cancer at Yono City] Omori M. Sanfujinka Jissai 20:95-8, Jan 71 (Jap)
[Comparative study of intraperitoneal exfoliative cytology in cases of uterine myomas and benign ovarian cysts with cases without tumoral pathology] Souen JS. Matern Infanc (Sao Paulo) 39:365-72, Jul-Sep 70 (Por)
[Comparative study between cytological findings in the peritoneal fluid obtained in cases of uterine myomas and ovarian cysts with smears of the surface of the tumor and a histological study of the same surface] Souen JS. Matern Infanc (Sao Paulo) 39:373-9, Jul-Sep 70 (Por)
[Diagnosis of precancer of the endometrium] Manuilova IA, et al. Akush Ginekol (Mosk) 46:6-9, Oct 70 (Rus)
[Significance of endoscopy for the differential diagnosis of myoma of the uterus and ovarian tumors] Torchinov AM. Akush Ginekol (Mosk) 46:65-6, Mar 70 (Rus)
[Differential diagnosis of uterine myoma and ovarian cystoma by 2-dimensional echography] Khentov RA. Nov Med Priborostr 3:50-4, 1970 (Rus)
[The histochemistry of sulfhydryl groups in endometrial hyperplasia and cancer] Kazantseva IA, et al. Vopr Onkol 16:43-7, 1970 (Rus)
[Sarcoma of the uterus. Clinico-pathological analysis of 10 cases] Delgado Urdapilleta J, et al. Ginecol Obstet Mex 29:425-30, Apr 71 (Spa)
[Hysteroscopy (preliminary report)] Quiñones Guerrero R, et al. Ginecol Obstet Mex 27:683-91, Jun 70 (Spa)
[Cytology of the endometrium in the presumptive diagnosis of endometrial cancer] Assis A, et al. Rev Chil Obstet Ginecol 35:23-5, 1970 (Spa)
[Raising the efficacy of oncologic prophylactic examinations] Manelis MIu. Pediatr Akush Ginekol 1:60-1, Jan-Feb 70 (Ukr)
[Sex chromatin in the cells of neoplasms of the uterus ovaries and breast] Siuzhinskaia ZA, et al. Pediatr Akush Ginekol 3:54-6, 1970 (Ukr)
[Round table on organizational problems of mass screening for uterine cancer] Minerva Ginecol 23:63-77, 31 Jan 71 (Mul)

DRUG THERAPY

Cytologic evaluation of exclusive medroxyprogesterone acetate treatment for vaginal recurrence of endometrial adenocarcinoma. Bonte J, et al. Acta Cytol (Baltimore) 14:353-6, May 70
Survival and hormonal responsiveness of endometrial carcinoma in organ culture. Nordqvist S. Acta Obstet Gynecol Scand 49:275-83, 1970
Progesterone treatment for local recurrence and metastases in carcinoma corporis uteri. Karistedt K. Acta Radiol [Ther] (Stockh) 10:187-92, Apr 71
Gestational trophoblastic disease. A comparative study of the results of therapy in patients with invasive mole and with choriocarcinoma. Brewer JI, et al. Am J Obstet Gynecol 109:335-40, 15 Jan 71
Response of endometrial stromal sarcoma to cyclophosphamide. Hoovis ML. Am J Obstet Gynecol 108:1117-9, 1 Dec 70
Progestogen treatment of recurrent endometrial carcinoma. Malkasian GD Jr, et al. Am J Obstet Gynecol 110:15-23, 1 May 71
Effect of cyclophosphamide on serum immunoglobulin level in patients with tumours of the genital tract. Seppälä M, et al. Ann Med Exp Biol Fenn 48:131-4, 1970
Combination of progestogen therapy with the conventional treatment of endometrial carcinoma. Luukkainen T, et al. Bull Schweiz Akad Med Wiss 25:581-5, Oct 70
Hydroxyprogesterone caproate therapy in advanced endometrial cancer. Reifenstein EC Jr. Cancer 27:485-502, Mar 71
The use of progestational agents in the management of hyperplasia, carcinoma in situ, and disseminated cancer of the endometrium. Kistner RW. J Am Osteopath Assoc 70:1324, Aug 71
Endometrial carcinoma and synthetic progestogens results of intrauterine treatment. Hustin J. J Obstet Gynaecol Br Commonw 77:915-21, Oct 70
Changes in the enzyme activities of endometrial carcinoma induced by progestogens. Willighagen RG, et al. J Pathol 101:Piv-v, Aug 70
Chromosomal investigation in pregnancies following chemotherapy for choriocarcinoma. Cohen MA, et al. Lancet 2:219, 24 Jul 71
[4 patients with chorion epithelioma] Aartsen EJ, et al. Ned Tijdschr Geneeskd 114:2183-6, 26 Dec 70 (Dut)
[Role of progestatives in the treatment of cancer of the endometrium] Binard JM. Brux Med 50:713-8, Oct 70 (Fre)
[Use of a new synthetic progestative agent in high dosage (ethynodiol diacetate) in the treatment of advanced forms of adenocarcinoma of the corpus uteri (apropos of 2 illustrative cases)] Luzuy M, et al. Chirurgie 96:859-67, 28 Oct 70 (Fre)
[Hormones and genital cancer in women] Muller P, et al. Probl Actuels Endocrinol Nutr 13:269-300, 1969 (Fre)
[Experiences with gestagens in the treatment of carcinoma of the uterus] Buchheim CE. Praxis 60:763-70, 8 Jun 71 (Ger)
[Importance of chemotherapeutic agents in the treatment of malignant trophoblast tumors] Lajos L, et al. Z Geburtshilfe Gynaekol 171:330-45, Dec 69 (Ger)
[Specific modification of the proliferation of primary transplanted human uterine carcinoma cells by means of gestagens] Tranekjer AS, et al. Zentralbl Gynaekol 92:857-60, 4 Jul 70 (Ger)
[Serumimmunologic findings in the course of citostal therapy in patients with endometrial adenoma] Montemagno U, et al. Arch Ostet Ginecol 74:50-7, Jan-Feb 69 (Ita)
[Description of some cases of mammary and uterine carcinoma treated with hydroxyprogesterone caproate] Barnaba T. Minerva Ginecol 22:957-63, 15 Oct 70 (Ita)
[Synthetic progestational hormones in high doses in adenocarcinoma of the endometrium. (Study of carbohydrate metabolism)] Pasquinucci C. Minerva Ginecol 22:950-6, 15 Oct 70 (Ita)
[Preliminary note on histologic changes induced by a new synthetic gestagen (19-nor-17-alpha-hydroxyprogesterone capronate) on adenocarcinoma of the endometrium] Vecchione A, et al. Riv Anat Patol Oncol 33:431-60, 1968 (Ita)
[Introduction of new therapeutic method in uterine cancer. Hiraoka's extraperitoneal blockage of pelvic circulation combined with administration of mitomycin] Hiraoka O. Sanfujinka Jissai 19:1021-37, Oct 70 (Jap)
[Effective chemotherapy of metastatic chorioepithelioma of the uterus with methotrexate] Bokova LB. Akush Ginekol (Mosk) 46:68, Aug 70 (Rus)
[Excretion of follicle-stimulating and steroid hormones in patients with uterine cancer during treatment with 17-hydroxyprogesterone caproate] Sharoukhova KS, et al. Akush Ginekol (Mosk) 46:9-13, Oct 70 (Rus)
[Experience with the use of methotrexate for malignant tumors in humans] Lichintser MR, et al. Klin Med (Mosk) 49:51-7, Mar 71 (Rus)
[Administration of zymosan in the complex therapy of uterine and ovarian neoplasms] Legun AD. Pediatr Akush Ginekol 5:54-6, Sep-Oct 70 (Ukr)
[Effect of androgens on energetic processes in muscle tissue in uterine fibromoma] Shevniuk LA. Pediatr Akush Ginekol 2:58-60, 1971 (Ukr)
[Surgical treatment of uterine cancer and adjunct chemotherapy] Sirota IG. Pediatr Akush Ginekol 2:54-6, Mar-Apr 70 (Ukr)

ENZYMOLOGY

Purification and comparative properties of human lactate dehydrogenase isoxymes from uterus, uterine myoma, and cervical cancer. Okabe K, et al. Biochemistry 7:79-90, Jan 68
Changes in the enzyme activities of endometrial carcinoma induced by progestogens. Willighagen RG, et al. J Pathol 101:Piv-v, Aug 70
Biochemical changes in forming and regressing deciduoma in the rat uterus. Wood JC, et al. J Reprod Fertil 23:469-75, Dec 70
Biochemical changes in endometrial carcinoma. Barley VL. Proc R Soc Med 64:404-5, Apr 71
[Metabolic behavior of a rat tumor associated with chick embryo mesonephros in organotypic culture. I. Histochemical study] Sigot-Luizard MF, et al. Ann Histochim 15:87-92, Apr-Jun 70 (Fre)
[Metabolic behavior of a rat tumor associated with chick embryo mesonephros in organotypic culture. II. Spectrophotometric study of lactate dehydrogenase activity] Sigot-Luizard MF, et al. Ann Histochim 15:93-6, Apr-Jun 70 (Fre)
[The pentosephosphate pathway or Dickens-Horecker cycle in tumors of the female genital system. I. Glucose-6-phosphate dehydrogenase (G6PDH) activity in vaginal secretion in the course of malignanty neoplasms of the cervix and uterus] Azzarini V, et al. Cancro 22:599-605, 1969 (Ita)

ETIOLOGY

Hypoestrogenism and endometrial carcinoma. Liu W. Acta Cytol (Baltimore) 14:583-5, Nov-Dec 70
Hyperplasia and carcinoma of the endometrium. Bettinger HF. Am J Obstet Gynecol 109:194-7, 15 Jan 71
The possible carcinogenic effects of radiations on the uterus. Bird CC, et al. Br J Cancer 24:759-68, Dec 70
Morphology of the rat uterus after prolonged exposure to a foreign device. Moore PJ, et al. Lab Invest 25:25-7, Jul 71
[Voluminous asymptomatic hematometra revealing an intra-epithelial epithelioma developed on a generalized metaplasia of the endometrium] Soutoul JH, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:368-73, Jun-Aug 70 (Fre)
[Choriocarcinoma and trophoblastic disease] Revaz C, et al. Rev Med Suisse Romande 89:565-87, Jun 69 (Fre)
[Clinical contribution to uterine sarcoma] Zichel R, et al. Med Klin 65:888-91, 1 May 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Premalignant lesions of the endometrium] Murphy Stack E. Prensa Med Mex 35:119-22, Mar-Apr 70 (Spa)
[Constitutional factors in carcinoma of the endometrium] Tenorio Gonzalez F, et al. Prensa Med Mex 35:115-8, Mar-Apr 70 (Spa)
[Interrelation between glandular-cystic hyperplasia of the endometrium and malignant neoplasms] Ivanov OO. Pediatr Akush Ginekol 5:57-9, Sep-Oct 69 (Ukr)

FAMILIAL & GENETIC

[On a case of familial utero-cutaneous leiomyomatosis] Buzzoni A. G Ital Dermatol 45:567-8, Oct 70 (Ita)
[Chromosomal study in gynecolo-obstetrical field. Chromosomes in tumors] Ichinoe K, et al. J Jap Obstet Gynecol Soc 22:843-52, Aug 70 (Jap)

IMMUNOLOGY

Histocompatibility studies in patients with trophoblastic tumors. Rudolph RH, et al. Am J Obstet Gynecol 108:1126-9, 1 Dec 70
[Immuno-serologic examinations in pregnancy and genital neoplasms in women] Kadach D. Zentralbl Gynaekol 92:1577-80, 28 Nov 70 (Ger)
[Immunological findings in metastatic pathology of chorionic tumor] Okamoto R. J Jap Obstet Gynecol Soc 23:309-17, Apr 71 (Jap)

METABOLISM

Oxygen consumption of endometrial adenocarcinoma. Alvarez E, et al. Am J Obstet Gynecol 109:874-8, 15 Mar 71
Comparative assays of tissue plasminogen activator in myometrium, cervix, and fibromyomas of the human uterus. Glas-Greenwalt P, et al. Am J Obstet Gynecol 110:721-5, 1 Jul 71
The synthesis of DNA and RNA in human carcinomatous endometrium in short-term incubation in vitro and its response to oestradiol and progesterone. Nordqvist S. J Endocrinol 48:29-38, Sep 70
The uptake of oestrogen by endometrial carcinoma. Taylor RW, et al. Proc R Soc Med 64:407-8, Apr 71
[Metabolic processes in the myomatous myometrium] Vasilevskaia LN. Akush Ginekol (Sofiia) 9:129-35, 1970 (Bul)
[Binding of 17 beta-estradiol in breast carcinoma tissue and in the uterus of women] Maass H, et al. Acta Endocrinol [Suppl] (Kbh) 152:58, 1971 (Ger)
[Zinc content of granulocytes in corpus carcinoma of the uterus] Wolansky D, et al. Zentralbl Gynaekol 93:337-40, 13 Mar 71 (Ger)
[Changes in glucides metabolism in uterine carcinoma (diabetes and uterine cancer)] Lucrezio T, et al. Minerva Ginecol 21:914-20, 31 Jul 69 (Ita)
[Level of copper and manganese in the blood and uterus in patients with myoma] Balasanova MI. Akush Ginekol (Mosk) 46:51-4, Feb 70 (Rus)
[A microspectrophotometric study of the concentration of protein sulfhydryl groups in endometrial gland epithelium in hyperplasia and cancer] Kazantseva IA, et al. Biull Eksp Biol Med 71:79-81, Mar 71 (Rus)
[Resistance of the inhibition of the growth hormone and fatty acids by glucose in patients with cancer of the breast and uterine body] Bobrov IuF, et al. Vopr Onkol 17:40-4, 1971 (Rus)
[Sulfur containing compounds of proteins and protein-less filtrates of human uterine tumors] Mishenova VS, et al. Vopr Onkol 16:17-23, 1970 (Rus)
[Lipid metabolism in precancerous conditions and uterine cancer] Nugmanov SN, et al. Vopr Onkol 17:25-30, 1971 (Rus)
[Energy metabolism in muscular and nodular tissue of the uterus in women with fibromyoma] Baksheev MS, et al. Pediatr Akush Ginekol 1:35-8, Jan-Feb 70 (Ukr)
[Oxygen-restorative processes in patients with uterine cancer] Egorov OS, et al. Pediatr Akush Ginekol 3:58-60, May-Jun 69 (Ukr)

MORTALITY

Influence of gravidity on prognosis in the common uterine cancers. Kurohara SS, et al. Cancer 27:1117-20, May 71
[TNM classification and 5-year cure rate of uterine neoplasms--retrospective study of cases treated during 1954-1963] Masubuchi K, et al. Jap J Cancer Clin 17:142-5, 1971 (Jap)

OCCURRENCE

Global gleanings. Isbell NP. Acta Cytol (Baltimore) 14:237-8, May 70
Uterine malignancies of unspecified origin. Schoenberg BS, et al. Arch Environ Health 23:77-81, Jul 71
Carcinoma of the endometrium: a study of changing rates over a 15-year period. Christopherson WM, et al. Cancer 27:1005-8, May 71
Second primary cancers of endometrial carcinoma. Vongtama V, et al. Cancer 26:842-6, Oct 70
A comparison of some epidemiological aspects of cervical and endometrial carcinoma. Modan B, et al. Pathol Microbiol (Basel) 35:192-7, 1970
Adenocarcinoma of the endometrium. A ten year experience at the Medical University of South Carolina. Purcell JL, et al. South Med J 64:961-6, Aug 71
[Frequency of uterine myomas in the anancastic syndrome] Bjarsch H. Nervenarzt 42:217-8, Apr 71 (Ger)
[The campaign for early diagnosis of tumors of the uterus and breast in the city and province of Bologna. Organization and findings of the former in 151,902 women, and of the latter in 32,362 women examined] Maltoni C, et al. Minerva Ginecol 23:278-83, 31 Mar 71 (Ita)
[Epidemiological studies on uterine cancer] Masubuchi K, et al. Jap J Cancer Clin 17:35-45, 1971 (Jap)
[Trophoblastic disease in the Hospital San Juan de Dios, Cúcuta] Duarte-Contreras A, et al. Rev Colomb Obstet Ginecol 21:587-96, Nov-Dec 70 (Spa)

PATHOLOGY

Endometrial involvement by cervical carcinoma in situ. Ferenczy A, et al. Am J Obstet Gynecol 110:500-2, 15 Jun 71
A comparison of the clinical behavior of uterine adenocarcinomas and adenoacanthomas. Pokoly T. Am J Obstet Gynecol 108:1080-4, 1 Dec 70
Malignant mixed mesodermal tumor of the uterus: an ultrastructural study. Silverberg SG. Am J Obstet Gynecol 110:702-12, 1 Jul 71
Hemangiopericytoma of the uterus: an ultrastructural study. Silverberg SG, et al. Am J Obstet Gynecol 110:397-404, 1 Jun 71
Fine structure of endometrial stromal sarcoma. Komorowski RA, et al. Cancer 26:1042-7, Nov 70
Leiomyosarcoma of the uterus. Current case reports. Review of all cases in Honolulu, 1955-1965. Review of the literature. Hindle WH, et al. Hawaii Med J 29:452-63, Jul-Aug 70
Endometrial stromal sarcoma. Srivastava VK, et al. Indian J Cancer 8:134-6, Jun 71
Endometrial changes associated with myomata of the uterus. Deligdish L, et al. J Clin Pathol 23:676-80, Nov 70
The microvasculature of common uterine abnormalities, other than fibroids. Beilby JO, et al. J Obstet Gynaecol Br Commonw 78:361-8, Apr 71
Effect of progesterone on endometrial cancer in the organ culture. Mařotka J. Neoplasma 17:525-33, 1970
Sex chromatin in endometrial cancer. Siracký J, et al. Neoplasma 17:399-403, 1970
Gliomatosis uteri. Hański W. Pol Med J 10:273-83, 1971
Endometrial biopsy and lavage. Results in 170 patients in private practice. Vaughan RA. Trans Pac Coast Obstet Gynecol Soc 37:50-4, 1970
Ascites seven years after treatment of squamous cell cancer of the cervix. Va Med Mon 98:321-31, Jun 71
[Atypical hyperplasia of theendometrium and cancer of the uterine body] Makaveeva V. Akush Ginekol (Sofiia) 9:324-7, 1970 (Bul)
[Mulleroblastomas. Apropos of 2 cases] Magré J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:92-4, Jan-Mar 71 (Fre)
[Uterine hemangiopericytoma] Donenfant JL. Laval Med 40:283, Mar 69 (Fre)
[Intra-epithelial pavement cell epithelioma extending through the whole surface of the uterine cavity and the surface of one of the fallopian tubes. Report of a case] Weill S, et al. Rev Fr Gynecol Obstet 63:211-4, Apr 68 (Fre)
[Carcinoma in situ of the endocervix, the endometrium and the endosalpinx] Dubrauszky V, et al. Ann Chir Gynaecol Fenn 59:Suppl 172:1+, 1970 (Ger)
[Electron microscopic studies on the experimental deciduoma in the rat] Stegner HE, et al. Z Geburtshilfe Gynaekol 174:241-51, Jun 71 (Ger)
[Intravenous-growing uterine myoma] Petrow N, et al. Zdrav Prac 113:24-31, 1970 (Ger)
[Clinical behavior in hydatidiform mole] Deml I. Zentralbl Gynaekol 92:559-63, 2 May 70 (Ger)
[Sex chromatin studies in uterus carcinoma cases] Dömötöri J. Zentralbl Gynaekol 92:1423-6, 24 Oct 70 (Ger)
[Frosted carcinoma of the uterus] Jahoda E. Zentralbl Gynaekol 92:1556-61, 21 Nov 70 (Ger)
[Solitary lung metastasis in primary malignant uterine tumors] Stanulla H, et al. Zentralbl Gynaekol 93:224-30, 13 Feb 71 (Ger)
[Histomorphological aspects of sarcoma of the uterus] Cargnello U, et al. Friuli Med 24:531-52, Sep-Oct 69 (Ita)
[Presence of characteristic structures in human endometrial adenocarcinomatous cells under the electron microscope] Lo Stumbo F. Minerva Ginecol 21:1041-2, 31 Aug 69 (Ita)
[Carcinosarcoma of the uterus] Baldi F, et al. Riv Anat Patol Oncol 33:125-40, 1968 (Ita)
[Reticulosarcoma of the uterine cervix (anatomoclinical contribution)] Rotondi M. Riv Ostet Ginecol 24:274-90, 9 Sep 69 (Ita)
[Ultrastructural changes of the human endometrium of fibromatous uteri] Speranza N. Riv Patol Clin Sper 10:127-40, Apr-Jun 69 (Ita)
[Clinical and pathohistological studies on endometrial polyps] Azuma S. J Jap Obstet Gynecol Soc 23:481-90, Jun 71 (Jap)
[Pathological studies of the ovary in uterine cancer] Miyajima Y. J Jap Obstet Gynecol Soc 22:1301-8, Dec 70 (Jap)
[Primary endometrial microchorioepithelioma] Uchida H, et al. Sanfujinka Jissai 20:151-64, Feb 71 (Jap)
[On glial tissue in the uterus (gliomatosis uteri)] Hański W. Nowotwory 20:115-21, Apr-Jun 70 (Pol)
[Morphological changes in the neural apparatus of the ovaries in myoma of the uterus] Semenova II. Akush Ginekol (Mosk) 46:44-6, Feb 70 (Rus)
[Structural characteristics of the lymphatic system of the uterine tubes in myoma of the uterus] Umanskaia LS. Akush Ginekol (Mosk) 46:31-5, Mar 70 (Rus)
[Morphologic changes in the ovaries in cancer of the uterine body] Bokhman IaV, et al. Vopr Onkol 17:45-51, 1971 (Rus)
[Adenomyosis. Clinico-pathological study of 103 cases] Rodríguez de Santiago JD, et al. Ginecol Obstet Mex 29:525-32, May 71 (Spa)
[Histopathological findings of advanced carcinoma of the cervix uteri treated by preoperative radium] Ferracani RS, et al. Prensa Med Argent 57:1664-6, 30 Oct 70 (Spa)

PHYSIOPATHOLOGY

Carcinoma of the endometrium. Douglas GW. J Am Osteopath Assoc 70:1353-5, Aug 71
[Proliferative changes of the epithelium of the fallopian tube in patients with endometrial carcinoma (so called atypic hyperplasia)] Dallenbach-Hellweg G, et al. Arch Gynaekol 209:396-410, 1971 (Ger)
[Determination of total estrogens in myoma patients before and after surgery] Seewald HJ, et al. Endokrinologie 58:55-61, 1971 (Ger)
[Functional status of the thyroid gland in patients with uterine myoma] Vasilevskaia LN, et al. Akush Ginekol (Mosk) 46:24-7, Oct 70 (Rus)
[Functional status of the myocardium with some hemodynamic and electrocardiographic indicators in patients with uterine fibromyoma] Luk'ianenko OM. Pediatr Akush Ginekol 1:49-52, Jan-Feb 69 (Ukr)

PREVENTION & CONTROL

[Role of progestagens in the prevention of cancer of the endometrium] Lambotte R. Brux Med 50:705-12, Oct 70 (Fre)
[Uterine neoplasm prophylaxis for female industrial workers] Lösch W. Minerva Ginecol 23:89-90, 31 Jan 71 (Ger)
[Experiences at different operational levels in the prevention of cancer of the uterus] Legnani FA, et al. Minerva Ginecol 23:291-4, 31 Mar 71 (Ita)
[The contribution of Italian institutes, tumor centers and hospitals to the prevention of cancer of the uterus] Natale P, et al. Minerva Ginecol 22:1123-9, 30 Nov 70 (Ita)
[The contribution of the Italian gynecological clinics and obstetrical schools to the prevention of cancer of the uterus] Pescetto G, et al. Minerva Ginecol 22:1116-22, 30 Nov 70 (Ita)
[Report of 5 years of activity in the prevention of neoplasms of the uterus in the province of Trieste. Prevention, early diagnosis and therapy] Spanio P, et al. Minerva Ginecol 23:119-23, 15 Feb 71 (Ita)
[Follow-up of cases of hydatidiform mole following extraction and prevention of chorioepithelioma] Nishimura T, et al. Sanfujinka Jissai 20:507-13, Apr 71 (Jap)

RADIOGRAPHY

Selective hypogastric arteriography in uterine choriocarcinoma. Shimkin PM, et al. Am J Roentgenol Radium Ther Nucl Med 111:535-40, Mar 71
Angiography of trophoblastic tumors. A correlation of pelvic angiography with direct four-fold magnification angiography of uterine specimens. Takahashi M, et al. Am J Roentgenol Radium Ther Nucl Med 112:779-87, Aug 71
Pelvic arteriography after chemotherapy of malignant trophoblastic disease. A case for caution. Boronow RC. Obstet Gynecol 36:675-9, Nov 70
[Value of hysterography for the diagnosis of uterine sarcoma] Musset R, et al. Gynecol Obstet (Paris) 70:165-78, Mar-Apr 71 (Fre)
[Evaluation of pelvic invasion of uterine and ovarian cancer by phlebography] Snelling M, et al. J Radiol Electrol Med Nucl 50:261-4, May 69 (Fre)
[Value of hysterography in the diagnosis of post-menopause metrorrhagia and more especially of cancer of the endometrium] Rochet Y, et al. Lyon Chir 66:321-4, Sep-Oct 70 (Fre)
[Contribution of lymphography in evaluation of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

spread of uterine cancers] Caderas de Kerleau J, et al. Minerva Ginecol 22:771, 31 Aug 70 (Fre)
[Current place of lymphography in the diagnosis of the spread of cervico-uterine cancer and in therapeutic indications deduced from the existence of this disease] Dargent D. Minerva Ginecol 22:764-7, 31 Aug 70 (Fre)
[Results of pelvic arteriography with respect to placental tumors] Breit A, et al. Fortschr Geb Roentgenstr Nuklearmed 112:431-9, Apr 70 (Ger)
[Importance of lymphography for the diagnosis of metastasis in uterine neoplasm] Griaznova IM, et al. Akush Ginekol (Mosk) 46:18-20, Aug 70 (Rus)
[Roentgen diagnosis of endometriosis of the uterus, cervical canal and Fallopian tubes] Ishchenko GT, et al. Vopr Onkol 17:44-9, 1971 (Rus)
[Experience in application of straight lymphography in gynecologic practice] Miroshnichenko VP. Pediatr Akush Ginekol 1:57-9, Jan-Feb 70 (Ukr)
[Lymphography after radical extirpation of the uterus] Vishnev'skiĭ AA, et al. Pediatr Akush Ginekol 3:56-9, 1970 (Ukr)

RADIOTHERAPY

Shielded intra-uterine applicator for a remote afterloading technique in the treatment of carcinoma of the uterine cervix. Bäckström A, et al. Acta Radiol [Ther] (Stockh) 10:325-30, Apr 71
Afterloading Heyman applicators. Simon N, et al. Acta Radiol [Ther] (Stockh) 10:231-8, Apr 71
Post operative radiotherapy in the management of uterine corpus carcinoma. Joslin CA, et al. Clin Radiol 22:118-24, Jan 71
The use of high activity cobalt 60 sources for intracavitary and surface mould therapy. Joslin CA, et al. Proc R Soc Med 63:1029-34, Oct 70
Measurement of radiation doses in vivo during radiotherapy of gynaecological carcinoma. Kivinlitty K, et al. Strahlentherapie 141:400-3, Apr 71
Isodose measurement of the bladder dose in radium therapy. Nieminen U, et al. Strahlentherapie 140:280-2, Sep 70
[Delayed postradiotherapeutic stenosing ileitis: case report] Barbier P, et al. Acta Gastroenterol Belg 33:244-54, Mar 70 (Fre)
[Chromatographic analysis of urinary tetrahydrogenates metabolites of cortisone and substance S in cases of uterine cancer before and after cobaltotherapy of 2000 to 3500 rads] Carcatzoulis S, et al. Bull Cancer (Paris) 58:115-22, Jan-Mar 71 (Fre)
[Bilateral radiotherapeutic hip and osseous necrosis of L5 after cyclocobaltotherapy for cervix uteri epithelioma] Gaucher A, et al. Rhumatologie 23:165-9, May 71 (Fre)
[Treatment of carcinoma of the corpus uteri by combined endocavitary and percutaneous irradiation] Liebscher J, et al. Radiobiol Radiother (Berl) 11:241-9, 1970 (Ger)
[Significance of lymphoscintigraphy for the determination of field sizes in the irradiation of cervix and uterine neoplasms] Fehling H, et al. Strahlentherapie 141:581-6, May 71 (Ger)
[Effect of preoperative irradiation on histological tumor propagation and on the frequency of vaginal recurrence of uterine cancer] Keller G, et al. Zentralbl Gynaekol 93:132-7, 23 Jan 71 (Ger)
[Anatomopathological changes of the pelvic lymph nodes after endolymphatic infusion of P 32] Speranza N. Arch De Vecchi Anat Patol 55:485-96, Oct 69 (Ita)
[On the therapy of metastases of uterine adenocarcinoma] Poggi G. Minerva Ginecol 21:1189-92, 30 Sep 69 (Ita)
[Diagnosis of the exposure to radiations by means of study of chromosome aberrations] Koller PC. Recent Progr Med (Roma) 50:32-48, Jan 71 (Ita)
[Effect of cystamine on chromosome aberrations of human peripheral blood lymphocytes during local fractionated gamma-irradiation] Berlin LB. Dokl Akad Nauk SSSR 195:998-1000, 1970 (Rus)
[Cytogenetic study of oncogynecologic patients during telegammatherapy] Berlin LB, et al. Vopr Onkol 16:17-21, 1970 (Rus)
[Histopathological findings of advanced carcinoma of the cervix uteri treated by preoperative radium] Ferracani RS, et al. Prensa Med Argent 57:1664-6, 30 Oct 70 (Spa)
[Preoperative radiotherapy in carcinoma of the endometrium] Lehrer T, et al. Rev Chil Obstet Ginecol 35:137-46, 1970 (Spa)

SURGERY

Post-operative follow-up study of trophoblastic tumors using radioimmunoassay for HCG and LH. Chen T. Acta Obstet Gynaecol Jap 18:13-8, Jan 71
The Vienna method of prophylaxis against complications after radical surgery for cancer of the uterus. Gitsch E, et al. Acta Obstet Gynecol Scand 50:33-6, 1971
A rare case of choriocarcinoma recurring twelve years after hysterectomy. Paranjothy D, et al. Am J Obstet Gynecol 110:410-1, 1 Jun 71
Endometriosis of the rectum. As an incidental finding during a gynecological operation. A case report. Yadoo S, et al. Am J Proctol 22:126-8, Apr 71
Vaginal recurrence of carcinoma of the corpus. Management and prevention. Ingersoll FM. Am J Surg 121:473-7, Apr 71
Surgery of endometrial cancer in the Bonney tradition. (Bonney WF), Stallworthy JA. Ann R Coll Surg Engl 48:293-305, May 71
Technical development of conservative myomectomy. Coutifaris B. Int Surg 55:304-9, Mar 71
Nodal spread in relation to penetration and differentiation. Lewis BV. Proc R Soc Med 64:406-7, Apr 71
[Myomectomy in sterile women] Mackh F, et al. Cesk Gynekol 36:155-7, Apr 71 (Cze)
[A case of stromatosis with a rapidly progressive fatal course] Harff EG, et al. Ned Tijdschr Verloskd Gynaecol 70:508-16, Dec 70 (Dut)
[An homogeneous series of 81 cases of myomectomy] Serment H, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:301-3, Jun-Aug 70 (Fre)
[Cushing' syndrome, uterine myoma and preservation of the uterus, bradycardia and labor. Some clinical cases] Thommen D. Bull Fed Soc Gynecol Obstet Lang Fr 20:106-7, Apr-May 68 (Fre)
[Permanent cure of corpus carcinoma by curettage in a young woman with a desire for children] Hofmann WD, et al. Geburtshilfe Frauenheilkd 29:1072-5, Dec 69 (Ger)
[Sigmoid carcinoma and myomatous uterus] Stamm H. Ther Ggw 110:80-4, Jan 71 (Ger)
[Hysterosalpingography for sagittal mymetrectomy using the E. Aburel method] Constantinescu P, et al. Zentralbl Gynaekol 92:249-55, 21 Feb 70 (Ger)
[Current status of the Schauta-Amreich method of radical colpohysterectomy] Pescetto G, et al. Ann Ostet Ginecol 92:61-9, Jan 70 (Ita)
[Pregnancy and childbirth after myometrectomy] Aquilini E. Minerva Ginecol 22:751-3, 15 Aug 70 (Ita)
[Conservative surgery of the uterus in the treatment of fibromyomas. Present indications for surgery] Gerli P, et al. Osp Ital Chir 21:417-25, Nov-Dec 69 (Ita)
[Clinical substantiation for removing pelvic lymph nodes in cancer of the uterus] Bokhman IaV. Akush Ginekol (Mosk) 46:20-5, Mar 70 (Rus)
[Surgical tactics in cancer of the uterus] Charkviani LI. Akush Ginekol (Mosk) 46:25-8, Mar 70 (Rus)
[Surgical treatment of uterine myoma] Dovydov SN. Akush Ginekol (Mosk) 46:54-6, Dec 70 (Rus)
[Selection of the extent of surgery in uterine myoma in women in the transitional age] Vikhliaeva EM. Akush Ginekol (Mosk) 46:49-54, Dec 70 (Rus)
[The foundation for extensive extirpation in cancer of the uterine body] Iatskovskaia NL. Vopr Onkol 16:21-4, 1970 (Rus)
[Functional state of the blood coagulation and anticoagulation systems during surgery of uterine myomas] Kovalenko LA. Vopr Onkol 16:77-80, 1970 (Rus)
[Cancer of the stump of the uterine cervix following supravaginal amputation] Zaretskiĭ PA. Vopr Onkol 16:40-3, 1970 (Rus)
[Surgical treatment of patients with uterine myoma] Mladenović D, et al. Srp Arh Celok Lek 98:361-74, Mar 70 (Ser)
[Intrauterine aspiration in hydatidiform mole] Valenzuela L. Rev Chil Obstet Ginecol 35:37-9, 1970 (Spa)
[Conization in cases of cancer in situ] Kinn AC. Lakartidningen 67:2529-32, 27 May 70 (Swe)

THERAPY

Cancer report. Br Med J 4:760-1, 26 Dec 70
Philpott RH: The management of uterine fibroids in the Rhodesian African. Oram RH. Cent Afr J Med 16:143-6, Jul 70
Carcinoma of the endometrium. Results of treatment. Slot E, et al. Neoplasma 18:395-401, 1971
The value of preoperative or postoperative treatment by radium for carcinoma of the uterine body. Graham J. Surg Gynecol Obstet 132:855-60, May 71
[Endometrial adenocarcinoma (treatment and therapeutic results in 270 cases)] Verhaeghe M, et al. Lille Med 14:865-72, Oct 69 (Fre)
[Surgery--radium therapy association in the treatment of operable forms of cancer of the endometrium] Dargent M, et al. Presse Med 79:133-5, 23 Jan 71 (Fre)
[Human and medical aspects of treatment of recurrent gynecologic cancer] Revaz C. Rev Med Suisse Romande 89:679-95, Jun 69 (Fre)
[Therapeutic results after combined radiation and surgical treatment in 265 cases of uterine carcinoma] Antonopoulos D, et al. Zentralbl Gynaekol 93:126-31, 23 Jan 71 (Ger)
[Therapeutic results in uterine cancer. Based on records of the First Gynecologic Clinic of the Medical Academy in Poznań] Michalkiewicz W, et al. Zentralbl Gynaekol 91:1546-51, 22 Nov 69 (Ger)
[Medico-social considerations on the remote results of the therapy of uterine cancer] Nobili F, et al. Quad Clin Ostet Ginecol 24:181-91, Mar 69 (Ita)
[Mass screening test and the treatment of uterine cancr] Kushima K. Sanfujinka Jissai 19:1157-62, Nov 70 (Jap)
[Frequency of distant metastasis occurrence in patients examined by the hysterographic method in the course of treatment of cancer of the corpus uteri] Tarlowska L, et al. Nowotwory 20:209-16, Jul-Sep 70 (Pol)
[Endometrial carcinoma. Therapeutic trends and results obtained in the Instituto Português de Oncologia de Francisco Gentil (Centro de Lisboa)] Tavares MA, et al. Arq Patol 42:25-30, 1970 (Por)

URINE

Urinary excretion of estrogens in women with hydatidiform mole and choriocarcinoma. Brinck-Johnsen T, et al. Obstet Gynecol 36:671-4, Nov 70
[Chromatographic analysis of urinary tetrahydrogenates metabolites of cortisone and substance S in cases of uterine cancer before and after cobaltotherapy of 2000 to 3500 rads] Carcatzoulis S, et al. Bull Cancer (Paris) 58:115-22, Jan-Mar 71 (Fre)
[Determination of total estrogens in female myoma patients before and after operative therapy] Seewald HJ, et al. Endokrinologie 58:55-61, 1971 (Ger)
[Serotonin in myomas of the uterus] Maroudis D, et al. Zentralbl Gynaekol 92:223-5, 14 Feb 70 (Ger)
[Urinary excretion of estrogenic fractions, pregnanediol, free and total 17-hydroxycorticosteroids and 17-ketosteroids in women with uterine myoma] Sieroń G, et al. Ginekol Pol 42:343-9, 1971 (Pol)

VETERINARY

Pathology of bovine uterine adenocarcinoma. Migaki G, et al. J Am Vet Med Assoc 157:1577-84, 1 Dec 70
Uterine tumours in a grey seal (Halichoerus grypus). Mawdesley-Thomas LE, et al. J Pathol 103:205-8, Mar 71

UTERINE PROLAPSE (C6)

[Some relations between genital-urinary prolapsus and the morphology of the pelvic bones] Bernard I. Bull Fed Soc Gynecol Obstet Lang Fr 20:426-32, Nov-Dec 68 (Fre)
[Prolapse in nullipara, 13 cases] Roman C. Bull Fed Soc Gynecol Obstet Lang Fr 21:250-60, Jun-Aug 69 (Fre)
[Delivery through prolapsed uterine cervix] Torbé Z, et al. Pol Tyg Lek 26:959-60, 21 Jun 71 (Pol)

COMPLICATIONS

Incidental pathology at vaginal hysterectomy for genital prolapse. Bonnar J, et al. J Obstet Gynaecol Br Commonw 77:1137-9, Dec 70
Uterine procidentia complicated by incarceration. Knapp RC, et al. NY State J Med 71:672-3, 15 Mar 71
[Uterine prolapse producing major bilateral ureterohydronephrosis] Jeukenne M. Acta Urol Belg 38:357-60, Jul 70 (Fre)
[Urologic repercussions of advanced uterine prolapse] Schulman CC. Acta Urol Belg 38:510-5, 1970 (Fre)
[Vaginal fibroangioma and genital prolapse] Bourg PR. Brux Med 49:811-2, Dec 69 (Fre)
[2 infrequent causes of hydronephrosis] Briquemont F, et al. Brux Med 49:457-65, Jul 69 (Fre)
[Genital prolapse and urinary incontinence. Value of pre- and postoperative urethrocystography. Trial of therapeutic indications. Apropos of 78 cases] Pontonnier A, et al. J Urol Nephrol (Paris) 77:161-84, Mar 71 (Fre)
[Voluntary genital mutilation in women] Védrinne J, et al. Med Leg Domm Corpor (Paris) 2:156-7, Apr-Jun 69 (Fre)
[Madecassol therapy of real decubital ulcers in cases of prolapse] Keçecioğlu Y. Arch Gynaekol 211:334-5, 4 Jun 71 (Ger)
[Carcinoma of the uterine body with complete genital prolapse] Szczurkowski M. Wiad Lek 24:963-4, 15 May 71 (Pol)
[A case of cancer of the cervix uteri complicated by uterine prolapse] Zubris GI. Pediatr Akush Ginekol 2:62, Mar-Apr 70 (Ukr)

DIAGNOSIS

Prolapse. I. Aetiology and diagnosis. Stallworthy JA. Br Med J 1:499-500, 27 Feb 71
[Pitfalls of polypectomy] Morali J. Bull Fed Soc Gynecol Obstet Lang Fr 21:371, Sep-Oct 69 (Fre)

ETIOLOGY

Prolapse. I. Aetiology and diagnosis. Stallworthy JA. Br Med J 1:499-500, 27 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Our method of prevention and therapy of vaginal prolapse after hysterectomy] Gazárek F, et al. Cesk Gynekol 36:56-7, Feb 71 (Cze)

RADIOGRAPHY

Colposystogram in cases of deficient pelvic floor. Lazarevski M, et al. God Zb Med Fak Skopje 16:117-24, 1970

SURGERY

Oxyphenbutazone in vaginal operations for genital prolapse. A double-blind study. Bergsjo P. Acta Obstet Gynecol Scand 49:133-8, 1970

Vaginal operations for prolapse-the optimum day for discharge. Modle WJ. Br J Clin Pract 24:493-5, Nov 70

Prolapse--II, treatment. Stallworthy JA. Br Med J 1:539-40, 6 Mar 71

A method of treating vaginal vault prolapse. Thursz AD. J Obstet Gynaecol Br Commonw 77:1041-2, Nov 70

[Labor in a young woman with previous perineorrhaphy and ligamentopexy] Chastrusse L, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:435-6, Nov-Dec 68 (Fre)

[Treatment of genital prolapse. A series of 273 cases] Gellé P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:460-3, Sep-Oct 70 (Fre)

[Amputation of the cervix uteri] Serment H, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:151-2, Apr-May 69 (Fre)

[Laparoscopic hystero-ligamentopexy in 3d-degree prolapse (first cases). Contribution on laparoscopic surgery] Kapandji M. Gynecol Obstet (Paris) 69:551-60, Nov-Dec 70 (Fre)

[Genital prolapse. Surgical treatment] Cerbonnet G, et al. J Chir (Paris) 100:83-100, Jul-Aug 70 (Fre)

[Strip of skin for uterine suspension and vesical support] Poulhés J, et al. J Chir (Paris) 101:563-70, May-Jun 71 (Fre)

[Apropos of the high approach in the surgical treatment of genital prolapse] Cognat M, et al. Lyon Chir 67:71-2, Jan-Feb 71 (Fre)

[Treatment of genital prolapse] Mousselon J. Lyon Chir 67:111-3, Mar-Apr 71 (Fre)

[Treatment of some forms of genital prolapse by a 2-team perineo-abdominal operation] Darmailiacq R, et al. Presse Med 78:1745, 26 Sep 70 (Fre)

[Cure of utero-vesical prolapse by mean of a strip of skin attached to the uterine isthmus and Cooper's ligaments] Marill RM, et al. Presse Med 79:874-5, 17 Apr 71 (Fre)

[A technical method of supporting the anterior perineal stage in restorative perineo-vaginal surgery] Dieulangard P, et al. Rev Fr Gynecol Obstet 64:551-4, Oct 69 (Fre)

[Prolapse incarceration, its causes and therapy] Leinzinger E. Arch Gynaekol 211:331-3, 4 Jun 71 (Ger)

[Giant genital and rectal prolapse] Grzimek L, et al. Geburtshilfe Frauenheilkd 30:1090-100, Dec 70 (Ger)

[Results of operative management of genital prolapse and functional urinary incontinence] Haering M, et al. Geburtshilfe Frauenheilkd 30:975-9, Nov 70 (Ger)

[Surgical treatment of female genital prolapse. Results in the years 1948-1967] Strobel E. Med Klin 63:1518-22, 20 Sep 68 (Ger)

[For and against the preservation of the uterus in prolapse surgery] Dapunt O, et al. Wien Med Wochenschr 120:497-503, 4 Jul 70 (Ger)

[Current trends and guidelines in gynecologic surgery (opening lecture)] Moracci E. Arch Ostet Ginecol 74:333-67, Sep-Oct 69 (Ita)

[Conservative surgery of the uterus] Andreoli C. Minerva Ginecol 22:734-8, 15 Aug 70 (Ita)

[Hysteropexy using aponeurotic strips from the external obliques in the correction of uterine prolapse in young women] Andreoli C. Minerva Ginecol 21:1016, 31 Aug 69 (Ita)

[Theoretical and technical considerations and evaluation of a proposed variation for improvement of the results of the traditional method of posterior vaginal plastic surgery] Fossati S. Minerva Ginecol 21:1116-20, 15 Sep 69 (Ita)

[Our surgical treatment of uterine prolapse] Nakahori H, et al. Sanfujinka Jissai 19:1366-72, Dec 70 (Jap)

[Improvement of Sturmdorf's technic of amputation of the cervix (Freitas' plastic operation)] Freitas S de. Matern Infanc (Sao Paulo) 30:381-4, Jul-Sep 70 (Por)

[Treatment of prolapse of the genital and urinary incontinence in women by fixation of the uterus and urinary bladder with lethylan-lavsan tape] Davydov SN, et al. Akush Ginekol (Mosk) 46:63-5, Oct 70 (Rus)

[Prolapse of pregnant uterus through the umbilical hernia] Kuznetsov VD, et al. Akush Ginekol (Mosk) 46:77, May 70 (Rus)

[Anterior-posterior colpopexy] Chagoy Vera J, et al. Ginecol Obstet Mex 29:617-22, Jun 71 (Spa)

[Simple surgical procedure for the correction of total prolapse in aged patients] Nágel J. Rev Obstet Ginecol Venez 30:435-7, 1970 (Spa)

VETERINARY

Some observations about incidence of prolapse of vagina in Surti buffaloes. Sheth AR. Indian Vet J 47:1130-4, Dec 70

The occurrence of vaginal eversion and allied disorders in fat ewes. Davies FG. Res Vet Sci 11:86-90, Jan 70

The Bühner method for control of chronic vaginal prolapse in the cow. (Review and evaluation). Bierschwal CJ, et al. Vet Med Small Anim Clin 66:230 passim, Mar 71

[Heart arrest in a cow with arturient paresis and uterine prolapse following excessive calcium treatment (expert opinion)] Aehnelt E, et al. Dtsch Tieraerztl Wochenschr 76:614-7, 15 Nov 69 (Ger)

[Treatment of vaginal prolapse in the cow] Straub O. Wien Tieraerztl Monatsschr 58:79-80, 1971 (Ger)

[On the treatment of uterine prolapse in the pig and castration in the boar] Werner-Tutschku V. Wien Tieraerztl Monatsschr 57:249-53, Jun-Jul 70 (Ger)

UTERINE RUPTURE (C6, C14)

[Hydramnios and spontaneous rupture of a cicatricial uterus 6 months and a half pregnant after a fetal transfusion in utero] Richon J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:325-7, Jun-Aug 70 (Fre)

[Spontaneous rupture of the unbroken pregnant uterus before the beginning of labor] Seguy B. Bull Fed Soc Gynecol Obstet Lang Fr 21:129-35, Apr-May 69 (Fre)

[Uterine rupture with a living child] Carret L. Med Trop (Mars) 29:201-3, Mar-Apr 69 (Fre)

[4 cases of neglected uterine rupture] Nosny P, et al. Med Trop (Mars) 29:51-4, Jan-Feb 69 (Fre)

[Clinical case reports of acute inversion of the puerperal uterus] Pedronetto S. Minerva Ginecol 21:814-20, 15 Jul 69 (Ita)

[Complete involuntary uterine rupture in the 12th week of pregnancy] Rozhilo EA. Pediatr Akush Ginekol 5:60-1, Sep-Oct 70 (Ukr)

CHEMICALLY INDUCED

"Silent" uterine rupture during labour. Rubin L, et al. Can Med Assoc J 104:612 passim, 3 Apr 71

COMPLICATIONS

Pregnancy after rupture of the pregnant uterus. A report of 36 pregnancies and a study of cases reported since 1932. Ritchie EH. J Obstet Gynaecol Br Commonw 78:842-8, Jul 71

[Hematoma of the broad ligament of the uterus caused by uterine perforation] Murooka H, et al. Sanfujinka Jissai 20:534-9, May 71 (Jap)

DIAGNOSIS

[On a case of acute diverticulitis of the sigmoid simulating uterine perforation] Rotondi M. Rass Int Clin Ter 50:533-7, 15 May 70 (Ita)

ETIOLOGY

Silent rupture of the uterus. Shah HN, et al. J Indian Med Assoc 54:471-3, 16 May 70

Perforation of bicornuate uterus by intrauterine contraceptive device. Gupta SD. J Obstet Gynaecol Br Commonw 77:1140-1, Dec 70

Hemoglobin S-C disease with uterine rupture. A case report. Davis WM, et al. Obstet Gynecol 38:221-4, Aug 71

[Prolonged retention in arrested pregnancy: artificial evacuation; uterine rupture; hemorrhagic syndrome with extensive genital thromboses] Larcan A, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:323-4, Jun-Aug 69 (Fre)

[Segmental uterine rupture after cerclage of the cervix] Dumont M, et al. Lyon Med 221:937-8, 20 Apr 69 (Fre)

[Rupture of the uterus due to membraneous placenta praevia percreta] Hoch Z, et al. Harefuah 78:8-10, 1 Jan 70 (Heb)

[On a case of interstitial pregnancy] Grismondi GL. Chir Ital 20:1062-8, Oct 68 (Ita)

[Rupture of a pregnant non-communicating rudimentary uterine horn] Bombig G, et al. Minerva Ginecol 22:897-8, 30 Sep 70 (Ita)

[Rupture of the pregnant uterus] Girotti M. Riv Ital Ginecol 53:314-21, Apr 69 (Ita)

[My experience in uterine perforation] Nagai S. Sanfujinka Jissai 20:611, May 71 (Jap)

[Examination and evaluation of 141 cases with uterine perforation] Sugiyama S, et al. Sanfujinka Jissai 20:545-51, May 71 (Jap)

[My experience in uterine perforation] Sanfujinka Jissai 20:611-2, May 71 (Jap)

[Failure in interruption of pregnancy and its management] Sanfujinka Jissai 20:610, May 71 (Jap)

[My experience in uterine perforation--self-examination] Sanfujinka Jissai 20:612-3, May 71 (Jap)

[Uterus rupture in the scar following cesarean section] Wiesiolek J, et al. Wiad Lek 23:1929-31, 1 Nov 70 (Pol)

[Uterine perforation in artificial abortions] Lazarov A, et al. God Zb Med Fak Skopje 16:429-35, 1970 (Ser)

[Ectopic Lippes' intrauterine devices. Hysterography] Villablanca E. Rev Chil Obstet Ginecol 35:59-66, 1970 (Spa)

[Uterine perforation caused by the use of intrauterine devices as contraceptives] Merchán López D, et al. Rev Obstet Ginecol Venez 30:391-408, 1970 (Spa)

[Uterine rupture in labor diagnosed 6 years later] Pashchenko PP. Pediatr Akush Ginekol 3:62-3, 1970 (Ukr)

PREVENTION & CONTROL

[My method in prevention of uterine perforation] Kikuchi F. Sanfujinka Jissai 20:604-6, May 71 (Jap)

[Prevention of uterine perforation] Kusumoto M. Sanfujinka Jissai 20:540-4, May 71 (Jap)

[Prevention of uterine rupture] Murooka H, et al. Sanfujinka Jissai 20:454-9, Apr 71 (Jap)

[My method in prevention of uterine perforation] Ozawa G. Sanfujinka Jissai 20:607-8, May 71 (Jap)

[My method in prevention of uterine perforation] Shinoara T. Sanfujinka Jissai 20:609, May 71 (Jap)

[My method in prevention of uterine perforation] Tamano Y. Sanfujinka Jissai 20:608-9, May 71 (Jap)

[My method in prevention of uterine perforation] Yoshida H. Sanfujinka Jissai 20:606-7, May 71 (Jap)

RADIOGRAPHY

[Uterine rupture in labor diagnosed 6 years later] Pashchenko PP. Pediatr Akush Ginekol 3:62-3, 1970 (Ukr)

SURGERY

Angular pregnancy. Report of a case. McElin TW, et al. Obstet Gynecol 37:849-51, Jun 68

[Transvaginal treatment of uterine perforation] Tsuji A. Sanfujinka Jissai 20:519-28, May 71 (Jap)

THERAPY

Conservative medical treatment of uterine rupture. Van Wassenhove P, et al. Trop Geogr Med 22:297-302, Sep 70

[Possibility of conservative treatment in uterine perforation from the standpoint of morphology] Kobayashi K, et al. Sanfujinka Jissai 20:529-33, May 71 (Jap)

UTERUS (A5)

see also related
HYSTERECTOMY (E4)
HYSTEROSALPINGOGRAPHY (E1)

Uterine contractility and plasma progesterone levels in the nonpregnant woman. Gibor Y, et al. Am J Obstet Gynecol 109:542-7, 15 Feb 71

Effect of human chorionic gonadotropin on intrauterine skin allograft survival in rats. Kaye MD, et al. Am J Obstet Gynecol 110:640-3, 1 Jul 71

Pelvic laparoscopy: an instrument (modified) to provide uterine elevation. McDonough PG, et al. Am J Obstet Gynecol 110:1017-8, 1 Aug 71

Antifertility effects of intrauterine progesterone in the rabbit. Seshadri B, et al. Am J Obstet Gynecol 109:536-41, 15 Feb 71

A self-supporting device for continuous left uterine displacement during cesarean section. Colon-Morales MA. Anesth Analg (Cleve) 49:223-4, Mar-Apr 70

Studies on uterine myosin A and actomyosin. Wachsberger P, et al. Arch Biochem Biophys 143:127-37, Mar 71

Therapeutic abortion by intrauterine instillation of prostaglandins. Embrey MP, et al. Br Med J 1:588-90, 13 Mar 71

Uterus in a male. Mitra A, et al. Br Med J 3:645, 12 Sep 70

Phantom sensation of internal organs. Dorpat TL. Compr Psychiatry 12:27-35, Jan 71

Influence of various hormonal contraceptives on sperm migration in vivo. Kesserü-Koos E. Fertil Steril 22:584-603, Sep 71

A case record of a foreign body in the uterus of a buffalo. Indian Vet J 47:903-4, Oct 70

Tubal occlusion: a comparative study. Omran KF, et al. Int J Fertil 15:228-41, Oct-Dec 70

Transuterine migration of spermatozoa in the golden hamster (Mesocricetus auratus). Lubicz-Nawrocki C. J Reprod Fertil 23:197-9, Oct 70

Soft tissue placentography and the uterine compressor. Casselden PA. Radiography 36:125-31, Jun 70

Removal of intra-uterine foreign body. Popp MJ, et al. Wis Med J 69:249, Nov 70

[Deformity of the uterine cavity after insertion of the intrauterine device, "Dana super"] Nesit V. Cesk Gynekol 36:346-7, Jul 71 (Cze)

[Multiple forms of a uterine cytoplasmic receptor of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

estradiol. Comparison of the kinetic properties and the equilibrium of the receptor of estradiol under the form "8" and included in some aggregates]
Best-Belpomme M, et al.
C R Acad Sci [D] (Paris) 270:2377-9, 11 May 70 (Fre)
[Transvaginal transplantation of divided ova in cows]
Testart J, et al.
C R Acad Sci [D] (Paris) 272:2591-2, 17 May 71 (Fre)
[Transformation of human chorionic cell by SV40 and its transplantation into the hamster uterus] Hori Y.
J Jap Obstet Gynecol Soc 23:173-81, Mar 71 (Jap)
[Is retroflexion of the uterus abnormal?] Kawakami H.
Sanfujinka Jissai 20:130-5, Feb 71 (Jap)
[Use of hysteroscopy in gynecological clinical practice]
Persianinov LS, et al.
Akush Ginekol (Mosk) 46:3-7, Feb 70 (Rus)

ABNORMALITIES

Chronic pelvic congestion and pelvic pain. Allen WM.
Am J Obstet Gynecol 109:198-202, 15 Jan 71
Perforation of bicornuate uterus by intrauterine contraceptive device. Gupta SD.
J Obstet Gynaecol Br Commonw 77:1140-1, Dec 70
Anatomical uterine abnormalities. Report of 5 cases. Shevde LS, et al. J Postgrad Med 16:87-91, Apr 70
Life-span of corpora lutea in ewes with one congenitally absent uterine horn. Hunter GL.
J Reprod Fertil 23:131-3, Oct 70
Congenital hydrocolpos and associated urogenital malformations: report of a case with solitary kidney and congenital vesicovaginal fistula. Smith RB, et al.
J Urol 105:683-6, May 71
Uterus didelphys; pregnancies in alternate uteri. Tortora JM. NY State J Med 71:2089-92, 1 Sep 71
Hereditary hydrometrocolpos with polydactyly in infancy. Dungy CI, et al. Pediatrics 47:138-41, Jan 71
Experience with the Strassmann operation in Dundee. James GB. Proc R Soc Med 63:1045, Oct 70
[XXX syndrome in primary sterility associated with vagina subsepta and uterus septus] Blažek M, et al.
Cesk Gynekol 35:407-9, Sep 70 (Cze)
[A case of supernumerary uterus] Assouad I.
Bull Fed Soc Gynecol Obstet Lang Fr 22:155-7, Apr-May 70 (Fre)
[Genuine uterus unicornis] Brunel G.
Bull Fed Soc Gynecol Obstet Lang Fr 21:338-42, Jun-Aug 69 (Fre)
[Uterine malformations of the Rokitansky-Kuster-Hauser type] Chelli M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:477-8, 1968 (Fre)
[Torsion of a perfect unicervical bicornuate hemi-uterus: plasty by Bret-Palmer technic] Gavel G.
Bull Fed Soc Gynecol Obstet Lang Fr 21:410-1, Sep-Oct 69 (Fre)
[Communicating uterus: 2 recent cases] Gillet JY, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:206-10, Apr-May 69 (Fre)
[Presentation of a film on the attempt at surgical treatment of the Rokitanski-Kuster-Hauser syndrome] Marty G.
Bull Fed Soc Gynecol Obstet Lang Fr 21:201-2, Apr-May 69 (Fre)
[Double uterus and pregnancy] Oostowar R.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:446-51, 1968 (Fre)
[Urogenital multiple anomalies. Apropos of 2 cases] Ribon M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:488-9, Nov-Dec 68 (Fre)
[Rokitanski-Kuster-Hauser syndrome] Ribon M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:336-8, Jun-Aug 69 (Fre)
[Cervix cancer in a hemi-uterus with complete genital duplication] Ruf H, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:158, Apr-May 68 (Fre)
[Case of amenorrhea of uterine origin cured by metroplasty] Vácha K.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:496-8, 1968 (Fre)
[2 cases of Rokitanski-Küster-Hauser syndrome] Vitse M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:464-5, Sep-Oct 70 (Fre)
[Asymmetrical bifidities with unilateral menstrual retention (apropos of 12 cases)] Robert H.
Chirurgie 96:796-9, 1970 (Fre)
[Obstetrical complications of uterine malformations] Poizat G. Rev Med Liege 25:763-4, 1 Dec 70 (Fre)
[Gynecologic complications of uterine malformations] Tinant G. Rev Med Liege 25:761-3, 1 Dec 70 (Fre)
[Treatment of uterine malformation] Vaesen F.
Rev Med Liege 25:764-6, 1 Dec 70 (Fre)
[Essential symptomatology of major types of uterine malformation] Wéry P.
Rev Med Liege 25:760-3, 1 Dec 70 (Fre)
[Intrauterine contraception in a "double uterus"] Chaabouni M, et al.
Tunis Med 47:367-72, Sep-Oct 69 (Fre)
[Ovulation inhibitors in uterine hypoplasia] Keep R.
Dtsch Med Wochenschr 95:2256-7, 30 Oct 70 (Ger)
[Uterine suspension. A new technic] Schmidt-Matthiesen H.
Geburtshilfe Frauenheilkd 30:522-5, Jun 70 (Ger)
[Hematocolpos in uterus duplex with vagina duplex] Jäger G, et al.
Zentralbl Gynaekol 92:1503-6, 7 Nov 70 (Ger)
[Results in Strassmann's operation] Kayser W.
Zentralbl Gynaekol 93:231-3, 13 Feb 71 (Ger)
[Urologic complications in genital abnormalities] Krausse HD.
Zentralbl Gynaekol 92:1002-4, 1 Aug 70 (Ger)
[Rupture of a pregnant non-communicating rudimentary uterine horn] Bombig G, et al.
Minerva Ginecol 22:897-8, 30 Sep 70 (Ita)
[2 cases of ampulla tubae pregnancies, 1 associated with uterine pregnancy and the other with an infraligamentary soft myoma simulating uterine pregnancy in the left horn of a double-horned uterus with a single cervix] Fossati S.
Minerva Ginecol 22:657-63, 15 Jul 70 (Ita)
[Importance of the uterine anatomic factor in the etiology of recurrent abortion] Oriandi C, et al.
Minerva Ginecol 21:1061-4, 31 Aug 69 (Ita)
[A rare case of double pregnancy in didelphic uterus with a 3-day interval in delivery] Petocchi T, et al.
Minerva Ginecol 21:843-8, 15 Jul 69 (Ita)
[An unusual disease association: Rokitanski syndrome and torsion of an ovarian cyst] Morgera P.
Rass Int Clin Ter 49:1372-80, 15 Nov 69 (Ita)
[Vesicular mole in a multipara of advanced age with undiagnosed pseudodidelphia] Morgera P.
Rass Int Clin Ter 49:679-86, 15 Jun 69 (Ita)
[A case of primary tubal carcinoma associated with uterus duplex and vagina septa] Nowak D, et al.
Pol Tyg Lek 26:443-4, 22 Mar 71 (Pol)
[Uterus dydelphus in a 13-year-old girl] Rzepka I.
Pol Tyg Lek 26:148-9, 25 Jan 71 (Pol)
[A case of pregnancy in a rudimentary detached uterine horn] Wojdecki J, et al.
Wiad Lek 24:259-62, 1 Jul 71 (Pol)
[Congenital malformations of the uterus and pregnancy] Lara Sámano E, et al.
Ginecol Obstet Mex 29:201-13, Feb 71 (Spa)
[Absence of Mullerian structures and its repercussion on ovarian function. Endocrine and cytogenetic study] Ricaud L, et al.
Ginecol Obstet Mex 29:281-5, Mar 71 (Spa)
[Uteroplasty in infertility caused by congenital malformations] Sánchez Contreras J, et al.
Ginecol Obstet Mex 28:305-14, Sep 69 (Spa)
[Diagnostic and therapeutic management of the didelphic uterus] Sánchez Contreras J, et al.
Ginecol Obstet Mex 30:185-92, Aug 71 (Spa)
[Case of female pseudohermaphroditism combined with uterine atresia] Rembez IM.
Pediatr Akush Ginekol 1:61, Jan-Feb 69 (Ukr)
[Retroposition of the gravid uterus] Ilić S.
Med Glas 23:164-6, Sep-Dec 69 (Cro)

ANALYSIS

Progesterone and 20 alpha-dihydroprogesterone in human myometrium during pregnancy. Runnebaum B, et al.
Acta Endocrinol [Suppl] (Kbh) 150:Suppl 150:3+, 1971
Uric acid in the uterine fluid of women fitted with Lippes loop and in deposits found on used devices. Dasgupta PR, et al.
Am J Obstet Gynecol 110:593-4, 15 Jun 71
On the "native state" of the uterine estradiol "receptor". Reti I, et al. Biochimie 53:435-7, 1971
Connective tissue metabolism in swine. 1. Age related changes in levels of total and soluble hydroxyproline, elastin, hexosamine and non-collagen protein levels in the uterus and aorta during growth. Brown RG, et al.
Growth 34:369-77, Dec 70
[Determination of concentrations of doxycycline (Vibramycin) in the uterus, adnexa uteri and human milk] Ott A, et al. Gynaecologia 168:492-6, 1969
Coincidence of embryonic growth and uterine protein in the ferret. Daniel JC Jr.
J Embryol Exp Morphol 24:305-12, Sep 70
Comparison of lysine-rich histones in various normal and neoplastic mouse tissues. Hohmann P, et al.
J Natl Cancer Inst 47:337-41, Aug 71
Prostaglandin F 2 and motility of the myometrium isolated from ovariectomized rats. Effects of 17-beta estradiol. Lima F, et al.
Life Sci [I] 10:999-1008, 1 Sep 71
Some histochemical and neurohistological observations on the rat uterus. Bhargava KN, et al.
Mikroskopie 27:65-72, May 71
[Pigmentation of the uterus muscles in humans] Bultinck J.
Ned Tijdschr Geneeskd 115:1206, 10 Jul 71 (Dut)
[Histochemical studies on female genital organs during fetal development. 1. Carbohydrate histochemistry of the uterus] Ruckhäberle KE, et al.
Gegenbaurs Morphol Jahrb 114:269-83, 1969 (Ger)
[Influence on the serotoning content of the brain, intestines and uterus by an isoelectric field] Möse JR, et al. Z Biol 116:343-70, Jun 70 (Ger)
[Lipids and phospholipids in the uterine cells in normal and pathological conditions] Moggian G, et al.
Minerva Ginecol 23:301-3, 31 Mar 71 (Ita)
[Total, dialyzable and non-dialyzable calcium and magnesium in the uterine muscle, placenta and serum of rats at the end of pregnancy and the time of delivery--its relationship to the mechanism of contraction and relaxation of the uterine muscles] Kato K, et al.
J Jap Obstet Gynecol Soc 23:468-70, Jun 71 (Jap)

ANATOMY & HISTOLOGY

Membrane-like structures in the uterine cavity. A hysterographic study. Borell U, et al.
Acta Obstet Gynecol Scand 49:185-93, 1970
Ultrastructural changes in mouse myometrium during pregnancy. Althoff RW, et al.
Am J Obstet Gynecol 108:1224-33, 15 Dec 70
Fallacy of the fundal height. Beazley JM, et al.
Br Med J 4:404-6, 14 Nov 70
The effects of intrauterine devices on preimplantation changes in the mouse uterus. Martin L, et al.
J Endocrinol 46:xix-xx, Feb 70
The effect of an intrauterine thread on tissue changes in the endometrium of the pseudopregnant rat. Wood JC. J Physiol (Lond) 207:545-55, May 70
Lymphatic vascular system of the uterus simplex. New wine for an old bottle. Reynolds SR.
Obstet Gynecol 38:304-7, Aug 71
Uterine structure and lymphatics. Rodbard S, et al.
Obstet Gynecol 38:171-9, Aug 71
Potential uterine capacity in low, medium and highly fertile breeds of sheep. Lawson RA.
Vet Rec 88:210, 20 Feb 71
The biometry of the gravid uterus in Egyptian buffalo cows. Abdel-Raouf M, et al.
Zentralbl Veterinaermed [A] 16:838-54, Nov 69
[Studies on the spatial arrangement of muscular fascicles in the human uterus] Renn KH.
Z Anat Entwicklungsgesch 132:75-106, 1970 (Ger)
[Anatomical structure of utero-sacral ligaments] Brizzi E. Arch Ital Anat Embriol 75:85-99, 1970 (Ita)
[Possibility of conservative treatment in uterine perforation from the standpoint of morphology] Kobayashi K, et al.
Sanfujinka Jissai 20:529-33, May 71 (Jap)
[Morphological and histochemical peculiarities of the uterine wall, placental area and placenta] Kaiupova NA. Akush Ginekol (Mosk) 46:65-6, Nov 70 (Rus)

BLOOD SUPPLY

Gamma camera examination of pregnant uterus and placental perfusion. Laakso L, et al.
Acta Obstet Gynecol Scand 49:355-7, 1970
Responses of isolated human uterine arteries to vasoactive drugs. Gough ED, et al.
Am J Obstet Gynecol 110:625-9, 1 Jul 71
Maternal placental and myometrial blood flow of the rhesus monkey during uterine contractions. Lees MH, et al. Am J Obstet Gynecol 110:68-81, 1 May 71
Relationship between uterine and umbilical venous PO2 in sheep. Rankin JH, et al.
Am J Physiol 220:1688-92, Jun 71
Ovariouterine vasculature in sheep. Dobrowolski W, et al. Am J Vet Res 31:2121-6, Dec 70
Arteriovenous fistula of the uterine artery. A rare complication of hysterectomy. Fulmer GT Jr, et al.
Angiology 21:647-53, Nov 70
Blood flow to the pregnant ovine uterus. Breathnach CS. Ir J Med Sci 3:435, Sep 70
Anastomosis of the utero-ovarian and anterior mammary veins for collection of utero-ovarian venous blood: progesterone secretion rates in cyclic ewes. Thorburn GD, et al. J Endocrinol 50:307-20, Jun 71
The microvasculature of common uterine abnormalities, other than fibroids. Beilby JO, et al.
J Obstet Gynaecol Br Commonw 78:361-8, Apr 71
The vascular patterns in myomatous uteri. Farrer-Brown G, et al.
J Obstet Gynaecol Br Commonw 77:967-75, Nov 70
The microvasculature of the uterus. Farrer-Brown G, et al. J Pathol 103:pvi-vii, Feb 71
PO2, PCO2 and pH levels in the umbilical and uterine blood of the mare and ewe. Comline RS, et al.
J Physiol (Lond) 209:587-606, Aug 70
An angiographic study of the structure and function of the uterine and maternal placental vasculature in the rabbit. Carter AM, et al.
J Reprod Fertil 25:201-10, May 71
The effect of destruction of utero-ovarian vascular connections on the life-span of the corpus luteum in sheep. Dobrowolski W, et al.
J Reprod Fertil 23:165-7, Oct 70
The timing and variation of pre-implantation events in the mouse. Restall BJ, et al.
J Reprod Fertil 24:423-6, Mar 71
Levels of prostaglandin F2-alpha in the uterine venous blood of sheep during the oestrous cycle. Bland KP, et al. Life Sci [I] 10:509-17, 1 May 71
Identification of prostaglandin F2-alpha in the utero-ovarian blood of guinea-pig after treatment with oestrogen. Blatchley FR, et al.
Nature (Lond) 230:243-4, 26 Mar 71
Uterine blood flow during labor. Scheffs J, et al.
Obstet Gynecol 38:15-24, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effects of pregnancy on the diameter of the uterine arteries in the rabbit. Smith JC, et al. Obstet Gynecol 37:788-94, Jun 68

The effect of exogenous oestrogen on the blood flow and oxygen consumption of the uterus of the non-pregnant ewe. Huckabee WE, et al. Q J Exp Physiol 55:16-24, Jan 70

The relation of the uterine vasculature to fetal growth and the intrauterine position effect in rats. Barr M Jr, et al. Teratology 3:251-60, Aug 70

Hematologic studies on uterine venous blood. Koshiishi H, et al. Yokohama Med Bull 21:57-70, Oct 70

Morphological studies on the peripheral circulation of the genital organs in buffaloes with special reference to spontaneous arteriosclerosis in animals. el-Etreby MF. Zentralbl Veterinaermed [A] 16:865-93, Dec 69

[Contribution of visceral pelvic phlebography to the differential diagnosis in gynecology] Holý J, et al. Cesk Gynekol 35:491-2, Oct 70 (Cze)

[Parauterine varices and results of surgical treatment] Buus K, et al. Nord Med 85:65, 14 Jan 71 (Dan)

[Pelvic pain and disorders of uterine vascularization] Leroux P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:100-6, Jan-Mar 71 (Fre)

[Thermofluometric study of uterine circulation during paracervical anesthesia] Muller G, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:118-9, Jan-Mar 71 (Fre)

[Pregnancy after ligation of uterine arteries] Lenzi G. Attual Ostet Ginecol 15:31-5, Jan-Feb 69 (Ita)

[Evaluation of the uterine vascular flow by Xe133 in healthy and pathologic pregnancy (preliminary note)] Massobrio M, et al. Minerva Ginecol 21:399-401, 15 Apr 69 (Ita)

[Massive hemoperitoneum caused by rupture of uterine varices at the early stage of labor in normal pregnancy, followed by shock and heart arrest] Micheletti G. Minerva Ginecol 21:655-8, 31 May 69 (Ita)

[Uterine blood flow] Czekanowski R. Ginekol Pol 41:1139-45, Oct 70 (30 ref.) (Pol)

[Studies of blood flow through the uterine myometrium during pregnancy using radioactive 133-Xe] Gembicki M, et al. Pol Tyg Lek 25:2013-5, 28 Dec 70 (Pol)

[Uterine contractions and blood circulation in women during the 1st stage of labor] Gafurova M, et al. Akush Ginekol (Mosk) 47:53-7, Jun 71 (Rus)

[Rheohisterography and its value in assessing uterine circulation in pregnant women] Nikolaeva AM. Akush Ginekol (Mosk) 46:23-7, Nov 70 (Rus)

[Immediate and remote results of ligation of uterine vessels during postpartum hemorrhage] Tsirul'nikov MS. Akush Ginekol (Mosk) 46:59-61, Jul 70 (Rus)

[Characteristics of the blood supply to reproductive organs in mares] Gryziov VP. Veterinariia 6:90-1, Jun 70 (Rus)

[Role of local activation of fibrinolysis in the uterus in the etiology of hemorrhage during labor] Galochkina AA. Vopr Okhr Materin Det 15:68-70, Oct 70 (Rus)

[Characteristics of uterine blood circulation in the puerperium according to clinical-rheographic data] Kalganova RI, et al. Vopr Okhr Materin Det 15:64-7, Oct 70 (Rus)

[Blood circulation and temperature of the uterus in a normal pregnancy and in threatened premature labor] Serova TA, et al. Vopr Okhr Materin Det 15:71-4, Nov 70 (Rus)

[Parturition function in women sustaining ligation of the uterine vessels] Ushakova NI. Vopr Okhr Materin Det 16:85-8, Feb 71 (Rus)

[Fetal distress with respect to 2 aspects of clinical projection] Noriega Guerra L, et al. Ginecol Obstet Mex 28:567-71, Nov 70 (Spa)

[Study of coagulation and anticoagulation of blood in uterine vessels in fibromyoma] Kovalenko LA. Pediatr Akush Ginekol 6:55-8, 1970 (Ukr)

[Ligation of uterine vessels in obstetrical hemorrhages] Mirovich DIu. Pediatr Akush Ginekol 5:45-7, Sep-Oct 70 (Ukr)

CYTOLOGY

Myometrical changes in postpartum uterine involution. Dessouky DA. Am J Obstet Gynecol 110:318-29, 1 Jun 71

Comparison of histologic features of ovarian and uterine tissues with vaginal smears of the bitch. Fowler EH, et al. Am J Vet Res 32:327-34, Feb 71

Effects of oestradiol-17 beta on uterine ribosomes: altered sedimentation profile and enhanced protein-synthesizing activity. Gasde K, et al. Hoppe Seylers Z Physiol Chem 352:318-20, Feb 71

The fine structure of cells in the rat metrial gland. Dixon JS, et al. J Anat 108:123-33, Jan 71

The effects of an intra-uterine device on uterine cell division and epithelial morphology during early pregnancy in the mouse. Martin L, et al. J Endocrinol 48:347-54, Nov 70

Influence of an IUD on the leucocytic content of the uterus and on the duration of pseudopregnancy in mice. Bartke A. J Reprod Fertil 23:243-7, Nov 70

Electron microscopy of luminal epithelium separated by beads in the pseudopregnant mouse uterus. McLaren A, et al. J Reprod Fertil 26:379-81, Sep 71

Scanning electron microscopy of the surface of the rat uterine epithelium during delayed implantation. Psychoyos A, et al. J Reprod Fertil 26:137-8, Jul 71

Effects of hormones, pregnancy and pseudopregnancy on the mast cell count in the rat uterus. Maraspin LE, et al. Life Sci [I] 10:111-20, 15 Jan 71

[Studies on the ultrastructure of the uterine mucosa of the rabbit] Meyer JM. Arch Anat Histol Embryol (Strasb) 53:1-40, 1970 (Fre)

[The fibre system of connective tissue in the childbearing age, menopause, and pregnancy] Dubrauszky V, et al. Arch Gynaekol 210:276-92, 1971 (Ger)

[Intercellular contact of smooth muscle cells] Jaeger J. Arch Gynaekol 211:351-4, 4 Jun 71 (Ger)

[The uterine wall post partum after separation of the placenta. A scanning electron microscopic study concerning the extravascular formation of fibrin] Ludwig H, et al. Arch Gynaekol 210:251-66, 1971 (Ger)

[Electron scanning microscopy studies of the uterus] Morgenroth K Jr, et al. Arch Gynaekol 211:354-6, 4 Jun 71 (Ger)

[Uterine muscle morphology] Jenssen H. Tidsskr Nor Laegeforen 90:2178-80, 1 Dec 70 (Nor)

[Histo-physiological peculiarities of the myometrium in full-term pregnancy, during labor and in uterine inertia] Zheleznov BI, et al. Akush Ginekol (Mosk) 47:53-7, May 71 (Rus)

[Effect of progesterone on the mitotic cycle of reproductive organ epithelium] Rosliakova NA. Biull Eksp Biol Med 70:92-5, Oct 70 (Rus)

[Proliferative pool of the epithelium of reproductive organs of ovariectomized mice and mice receiving progesterone] Rosliakova NA. Biull Eksp Biol Med 71:106-10, May 71 (Rus)

DRUG EFFECTS

Quantitative experiments on the effect of estrogen on the response of guinea pig ileum and uterus to specific antigens. Ozkaragöz K. Acta Allergol (Kbh) 25:271-85, Aug 70

Suppression of uterine activity during menstruation by expansion of the plasma volume. Fuchs AR, et al. Acta Endocrinol (Kbh) 66:183-92, Jan 71

The effect of corticotrophin on the rat uterine weight response to human chorionic gonadotrophin. Hipkin LJ. Acta Endocrinol (Kbh) 67:463-9, Jul 71

The limitations of using mouse uterine weight as an assay of oestrogen antagonism. Lee AE. Acta Endocrinol (Kbh) 67:345-52, Jun 71

Structure-activity relationships of anti-oestrogens with regard to interaction with 17-beta-oestradiol in the mouse uterus and vagina. Terenius L. Acta Endocrinol (Kbh) 66:431-47, Mar 71

Endocrine control of the proliferation and secretion of uterine glands in the mouse. Finn CA, et al. Acta Endocrinol [Suppl] (Kbh) 155:139, 1971

Characterization of competitive antiestrogens: comparative studies with an isoflavene derivative. Harting J, et al. Acta Endocrinol [Suppl] (Kbh) 152:59, 1971

Effects of 17 -oestradiol and clomiphene isomers on uterine ribosomes. Kramer G, et al. Acta Endocrinol [Suppl] (Kbh) 155:140, 1971

Effect of progesterone upon the in vivo response of the human myometrium to oxytocin and vasopressin. Non pregnant state. Bengtsson LP. Acta Obstet Gynecol Scand [Suppl] 6:19-25, 1970

Myometrial activity in a double, non-pregnant human uterus. Bengtsson LP. Acta Obstet Gynecol Scand [Suppl] 6:13-8, 1970

Studies on the effect of gestagen on myometrial in vivo activity in non-pregnant women. Bengtsson LP. Acta Obstet Gynecol Scand [Suppl] 6:5-12, 1970

The effects of estrogen withdrawal on the non-pregnant human myometrium. Moawad AH. Acta Obstet Gynecol Scand [Suppl] 6:27-30, 1970

A comparative study on the influence of prostaglandin E1, oxytocin and ergometrin on the pregnant human uterus. Roth-Brandel U, et al. Acta Obstet Gynecol Scand [Suppl] 5:1-7, 1970

Effect of intravenous administration of prostaglandin E1, and F2 on the contractility of the non-pregnant human uterus in vivo. Roth-Brandel U, et al. Acta Obstet Gynecol Scand [Suppl] 5:19-25, 1970

An evaluation of the possible use of prostaglandin E1, E2 and F2 for induction of labour. Roth-Brandel U, et al. Acta Obstet Gynecol Scand [Suppl] 5:9-17, 1970

Acute in vitro effect of progesterone dissolved in dimethyl sulphoxide on isotonic contractions and electrical potentials of isolated uteri from early pregnant or hormone pre-treated rats. Einer-Jensen N. Acta Pharmacol Toxicol (Kbh) 29:127-34, 1971

Human placental lactogen in stimulation of rat uterus. Aoba H, et al. Am J Obstet Gynecol 108:676-7, 15 Oct 70

Inhibition of uterine motility by aminophylline. Coutinho EM, et al. Am J Obstet Gynecol 110:726-9, 1 Jul 71

Effect of ethanol upon uterine activity and fetal acid-base state of the rhesus monkey. Horiguchi T, et al. Am J Obstet Gynecol 109:910-7, 15 Mar 71

The relaxant action of ritodrine, a sympathomimetic amine, on the uterus during term labor. Landesman R, et al. Am J Obstet Gynecol 110:111-4, 1 May 71

The in vivo human myometrial response to withdrawal of estrogen and progestins in the nonpregnant state. Moawad AH. Am J Obstet Gynecol 109:359-68, 1 Feb 71

Effects of neuromuscular blocking agents on uterine contractions in vitro. Reier CE, et al. Am J Obstet Gynecol 108:610-4, 15 Oct 70

The effect of pregnenolone sulfate on uterine contractility. Scommegna A, et al. Am J Obstet Gynecol 108:1023-9, 1 Dec 70

Influence of steroids on human myometrial contractility and myometrial response to catecholamines. Stander RW, et al. Am J Obstet Gynecol 108:795-804, 1 Nov 70

Action of orciprenaline on uterine contractility during labor, maternal cardiovascular system, fetal heart rate, and acid-base balance. Zilianti M, et al. Am J Obstet Gynecol 109:1073-9, 1 Apr 71

Failure of propranolol to antagonize halothane depression of the uterus. Zauder HL, et al. Anesth Analg (Cleve) 49:948-56, Nov-Dec 70

The effects of oestradiol on the acid-soluble nucleotides of rat uterus. Oliver JM, et al. Biochem J 119:187-91, Sep 70

Regulation of polyribosome formation and protein synthesis in the uterus. Effect of administration of graded doses of oestradiol-17-beta and actinomycin D on the amino acid-incorporation activity in vitro and the cytoplasmic concentration in vivo of polyribosomes. Teng CS, et al. Biochem J 118:341-6, Jul 70

Steroid hormones, ribonucleic acid synthesis and transport, and the regulation of cytoplasmic transiation. Hamilton TH. Biochem Soc Symp 32:49-84, 1971 (110 ref.)

Estrogen action: a study of the influence of steroid hormones on genetic expression. Mueller GC. Biochem Soc Symp 32:1-29, 1971 (67 ref.)

Raspberry leaf tea: a new aspect to an old problem. Bamford DS, et al. Br J Pharmacol 40:161P+, Sep 70

Effects of catecholamines on the uteri of adult, immature and ovariectomized rabbits. Butterworth KR, et al. Br J Pharmacol 41:391P+, Feb 71

The effects of alpha- and beta-adrenoceptor blocking agents on the responses of the rat uterus to catecholamines throughout the oestrus cycle. Butterworth KR, et al. Br J Pharmacol 40:160P+, Sep 70

Coagulation failure in pregnancy. Hawkins DF. Br Med J 4:804, 26 Dec 70

Uterine hypertonus during labour induced by prostaglandins. Roberts G, et al. Br Med J 1:702-5, 27 Mar 71

In-vivo response of the human uterus to orciprenaline in early labour. Tyack AJ, et al. Br Med J 2:741-3, 26 Jun 71

Effect of metabolic inhibition on the cation binding and exchange in the rat uterus. Batra SC, et al. Can J Physiol Pharmacol 48:774-9, Nov 70

Effect of rubidium and caesium on electrogenic sodium pumping in rat myometrium. Taylor GS, et al. Comp Biochem Physiol 38:251-64, 1 Feb 71

Uterine estrogen receptor in rats during pubescence and the estrous cycle. Lee C, et al. Endocrinology 88:596-601, Mar 71

In vitro evidence for a progestogen receptor in the rat and rabbit uterus. McGuire JL, et al. Endocrinology 88:1099-103, Apr 71

The binding affinity and specificity of the estrogen receptor of the rat uterus and anterior pituitary. Notides AC. Endocrinology 87:987-92, Nov 70

Estrogen binding in the uteri of mammals with delayed implantation. O'Farrell PH, et al. Endocrinology 88:1104-6, Apr 71

Application of potentiating effect of d-INPEA on oxytocin-evoked responses in the isolated rat uterus to bioassay of oxytocin. Saini RK, et al. Eur J Immunol 14:402-5, May 71

Antioxytocin activity of propranolol, INPEA and their optical isomers on the isolated rat uterus. Saini RK, et al. Eur J Immunol 14:399-401, May 71

Target organs of 131-I-chorionic gonadotrophine in immature female rat. Figarová V, et al. Experientia 26:1017-8, 26 Sep 70

The contractile response of the human uterus, fallopian tubes, and ovary to prostaglandins in vivo. Coutinho EM, et al. Fertil Steril 22:539-43, Sep 71

Influence of quinestrol on th histology and phosphatase activity of the simian uterus. Manning JP, et al. Fertil Steril 22:194-203, Mar 71

The effect of glucocorticoids on preimplantation capillary permeability in the rat. Schlough JS. Fertil Steril 22:389-91, Jun 71

Antiuterotrophic activity of benzo- & naphthofurans: new oral antifertility agents. Setty BS, et al. Indian J Exp Biol 8:139, Apr 70

Further studies on the uterine activity of Saraca indica Linn. Satyavati GV, et al. Indian J Med Res 58:947-60, Jul 70

Ecbolic action of diethyl carbamazine. Subbu VS, et al. Indian J Med Res 59:646-7, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Estrogenicity of o,p'-DDT in rats. Cecil HC, et al. J Agric Food Chem 19:61-5, Jan-Feb 71
The effects of oestrogen and progesterone on uterine cell division and epithelial morphology in spayed, adrenalectomized rats. Clark BF. J Endocrinol 50:527-8, Jul 71
Effect of oestradiol on cell proliferation and histological changes in the uterus and vagina of mice. Galand P, et al. J Endocrinol 49:243-52, Feb 71
Effects of progesterone and of dydrogesterone on the motility of the non-pregnant human uterus. Hein PR, et al. J Endocrinol 48:xxxvii+, Dec 70
Effect of 5-methoxytryptophol and melatonin on uterine weight responses to human chorionic gonadotrophin. Hipkin LJ. J Endocrinol 48:287-8, Oct 70
Interactions of oestradiol and progestins in the mouse uterus. Martin L, et al. J Endocrinol 48:109-15, Sep 70
Effect of human chorionic gonadotrophin on the uterus and ovaries of hypophysectomized rats. Stolzenberg SJ, et al. J Endocrinol 46:177-83, Feb 70
Nandrolone phenylpropionate, as a hysterotropic steroid. Dilokambandh V. J Med Assoc Thai 54:1-4, Jan 71
Interaction of E prostaglandins and syntocinon on the pregnant human myometrium. Brummer HC. J Obstet Gynaecol Br Commonw 78:305-9, Apr 71
Effects of oral administration of prostaglandins E 2 and F 2- on the human uterus. Karim SM. J Obstet Gynaecol Br Commonw 78:289-93, Apr 71
The effect of ethyl alcohol on prostaglandins E 2 and F 2 induced uterine activity in pregnant women. Karim SM. J Obstet Gynaecol Br Commonw 78:251-4, Mar 71
The effects of prostaglandins E 2 and F 2 alpha administered by different routes on uterine activity and the cardiovascular system in pregnant and non-pregnant women. Karim SM, et al. J Obstet Gynaecol Br Commonw 78:172-9, Feb 71
The effect of ethanol on the myometrial response to oxytocin in women at term. Mantell CD, et al. J Obstet Gynaecol Br Commonw 77:976-81, Nov 70
Inhibitory effect of p-hydroxyphenylisopropylarterenol on the isolated human myometrium. Eliasson R. J Pharm Pharmacol 22:619-20, Aug 70
Some pharmacological actions of alytesin and bombesin. Erspamer V, et al. J Pharm Pharmacol 22:875-6, Nov 70
The excitatory action of noradrenaline (alpha-action) on guinea-pig myometrium compared with that of acetylcholine. Bülbring E, et al. J Physiol (Lond) 217:39P-41P, Aug 71
Inhibition by a combination of oestradiol 17-beta and oestriol of uterine muscle contractility. Burns JK, et al. J Physiol (Lond) 211:Suppl:30P+, Dec 70
Prostaglandins, myometrial 'enhancement' and calcium. Eagling EM, et al. J Physiol (Lond) 213:53P-54P, Mar 71
Effect of prostaglandins on human uterus in pregnancy. Embrey MP. J Reprod Fertil 23:372-3, Nov 70
The onset of progesterone secretion during pregnancy in the mouse. Finn CA, et al. J Reprod Fertil 25:299-300, May 71
The action of clomiphene in the ewe. Lindsay DR, et al. J Reprod Fertil 23:277-83, Nov 70
The action of relaxin on myometrial activity in the guinea-pig in vivo. Porter DG. J Reprod Fertil 26:251-3, Aug 71
Some effects of oxytocin in vitro on rat uterine smooth muscle. Rees HG. J Reprod Fertil 24:417-21, Mar 71
Effect of vasotocin and oxytocin on intrauterine pressure in the hen. Rząsa J, et al. J Reprod Fertil 25:115-6, Apr 71
Effects of various agonists on the tachyphylactic response of the isolated rat uterus to prostaglandin E1. Eliasson R, et al. Life Sci [I] 9:925-30, 15 Aug 70
The influence of cyclic 3',5' -AMP on contractile responses induced by vasopressin in isolated rat uterus. Mitznegg P, et al. Life Sci [I] 10:169-74, 1 Feb 71
Succinylcholine effect on human myometrial activity. Iuppa JB, et al. Obstet Gynecol 37:591-5, Apr 71
The in vitro sensitivity of human uterus and vagina towards oxytocin and catecholamines. I. Nonpregnant subjects. Czekanowski R, et al. Pol Med J 10:292-8, 1971
The effect of monoamines upon rat uterus contractility after blockade of adrenergic system receptors. Urban J, et al. Pol Med J 10:284-91, 1971
Uterotropic and anti-implantation activities of certain resorcylic acid lactone derivatives. Brooks JR, et al. Proc Soc Exp Biol Med 137:101-4, May 71
Effects of various drugs on the uterotropic response to mestranol and norethynodrel in the rat. Calhoun FJ, et al. Proc Soc Exp Biol Med 136:47-50, Jan 71
Studies on the effect of 2-methyl-3-ethyl-4-phenyl-delta-4-cyclohexene carboxylic acid (ORF 3858) and its p-hydroxylated metabolites on uptake of 3H-estradiol-17beta by the uterus. McGuire JL, et al. Proc Soc Exp Biol Med 136:146-9, Jan 71
Estrogenic and anti-estrogenic activity of 4-mercuri-17 alpha-estradiol. Ellis RW, et al. Steroids 17:331-44, Mar 71
Properties of the estrogen receptor in the soluble fraction of human uterus. Hähnel R. Steroids 17:105-32, Jan 71
Uterotropic activity of DDT in rats and mink and its influence on reproduction in the rat. Duby RT, et al. Toxicol Appl Pharmacol 18:348-55, Feb 71
Effect of halogenated hydrocarbon insecticides on the metabolism and uterotropic action of estrogens in rats and mice. Welch RM, et al. Toxicol Appl Pharmacol 19:234-46, Jun 71
[Our experience with the use of the spasmolytic preparation Efosin during labor] Khadzhiev A. Akush Ginekol (Sofiia) 9:109-12, 1970 (Bul)
[Effect of reserpine on uterine motility in castrated rats treated with estrogen] Kiutukchiev B. Akush Ginekol (Sofiia) 8:385-92, 1969 (Bul)
[Neurovegetative reactivity in women during interruption of unwanted pregnancy in the 2d trimester by intra-amniotic instillation of saline solution] Kiutukchiev B, et al. Akush Ginekol (Sofiia) 8:482-5, 1969 (Bul)
[Effect of the new hormonal contraceptive mixtures on the intrauterine environment] Rezábek K, et al. Cas Lek Cesk 109:1100-2, Nov 70 (Cze)
[Uterine activity and oral contraceptives] Eskes TK. Ned Tijdschr Verloskd Gynaecol 70:550-6, Dec 70 (Dut)
[Effects of neuroleptanalgesia during labor on the fetal heart and on uterine contractions] Alessandrescu D, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:462-8, 1968 (Fre)
[Experimental data on the action of dehydrobenzperidol and of fentanyl on the animal uterus] Alessandrescu D, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:416-7, 1968 (Fre)
[Experimentation, during labor, of a utero-relaxing agent by the double-blind method. Results on the use of a computer in 523 cases] Dellenbach P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:116-8, Jan-Mar 71 (Fre)
[Results of the treatment of post-partum after-pains with C.B.3697] Hartemann J, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:176-8, Apr-May 68 (Fre)
[Clinical experimentation of 3.697 C.B. injectable during labor] Tourris H de N de, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:147-8, Apr-May 68 (Fre)
[Experimental study on the morphological and excitomotor action of placental extracts on the uterus in vivo and in vitro] Vlyssidés Z, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:417-20, 1968 (Fre)
[Action of orciprenaline on the contractility of the pregnant uterus and on the fetal cardiac rhythm] Pontonnier G, et al. Gynecol Obstet (Paris) 70:157-63, Mar-Apr 71 (Fre)
[Effect of oxytocin on reactivity of the genital tract and on evolution of the sexual cycle] Simionescu S, et al. Rev Roum Physiol 6:33-43, 1969 (Fre)
[Attempt at demonstration of an estrogenic effect of gibberellic acid on the uterus of the castrated adult rat] Maillet M, et al. Therapie 24:497-506, May-Jun 69 (Fre)
[Symposium on fetal distress. Action of the most widely used drugs in obstetrics on uterine contractility] Boulanger M. Union Med Can 98:1715-7, Oct 69 (Fre)
[Influence of narcotics on the gas exchange of pregnant uterus] Künzel W. Arch Gynaekol 209:262-75, 1970 (Ger)
[Comparative studies on the question of differentiation of adrenergic beta-receptors] Mentz P, et al. Arch Int Pharmacodyn Ther 187:23-9, Sep 70 (Ger)
[Effect of alpha- and beta-adrenergic drugs on the human uterus and their adverse effect on mother and child] Jung H, et al. Geburtshilfe Frauenheilkd 31:11-27, Jan 71 (Ger)
[Uterus sedation with the vasodilator Dilydrin] Eggimann U. Gynaecologia 168:476-7, 1969 (Ger)
[Modification of estradiol oxidation by hormonally ineffective steroids. 3. Accelerated estradiol oxidation in rats in vivo following administration of 5-alpha-androsten-17-one as an acceptor of estradiol-hydrogen] Mützel W, et al. Hoppe Seylers Z Physiol Chem 352:304-8, Feb 71 (Ger)
[Uterus relaxation by highly potent Ca plus,plus-antagonistic inhibitors of electro-mechanical coupling such as Isoptin (verapamil, iproveratril), compound D 600 and Segontin (prenylamine). Experiments on the isolated virgin rat uterus] Fleckenstein A, et al. Klin Wochenschr 49:33-41, Jan 71 (Ger)
[Tocographic examination of desamino-oxytocin] Drafančić A, et al. Praxis 60:176-81, 9 Feb 71 (Ger)
[Effect of spasmolytics at the end of pregnancy] Drafančić A. Zentralbl Gynaekol 92:741-8, 6 Jun 70 (Ger)
[Relaxation of the uterus and Fallopian tubes by beta sympathomimetics] Erb H. Zentralbl Gynaekol 93:513-8, 17 Apr 71 (Ger)
[The management of uterine motility during labor] Fröhlich H, et al. Zentralbl Gynaekol 92:1036-45, 8 Aug 70 (Ger)
[The injurious effects of smoking on gestation] Vértes L. Zentralbl Gynaekol 92:1395-8, 17 Oct 70 (Ger)
[Effect of promethazine on uterine contractions] Zakut H, et al. Harefuah 78:61-3, 15 Jan 70 (Heb)
[Obstetrical aspects of general anesthesia in labor] Massi GB. Acta Anaesthesiol (Padova) 19:Suppl 2:115+, 1968 (Ita)
[Effects of propanidid on uterine contractility, on acid-base status and on cardiac rate of the fetus, and on clinical conditions of the newborn infant] Mazzoni P, et al. Acta Anaesthesiol (Padova) 21:597-607, Sep-Oct 70 (Ita)
[Pharmacological action of propanidid on the rat uterus in vitro] Musinu C, et al. Boll Soc Ital Biol Sper 46:535-9, 15 Jun 70 (Ita)
[Association of diazepam-sodium 4 hydroxybutyrate in labor analgesia] Beltrami M, et al. Minerva Anestesiol 35:714-8, Jul 69 (Ita)
[Cardiotocographic findings in the course of labor analgesia by association of diazepam-sodium 4 hydroxybutyrate] Brugnoli CA, et al. Minerva Anestesiol 35:719-27, Jul 69 (Ita)
[The action of fluothane on contractility of the human pregnant uterus] Erra U. Minerva Anestesiol 36:697-705, Nov 70 (Ita)
[Action of propanidid, alone or associated with synthetic oxytocin, on the isolated uterine horn of the puberal guinea pig] Brunori de Luca I, et al. Minerva Ginecol 22:1063-3, 31 Oct 70 (Ita)
[Effect of 17alpha-hydroxyprogesterone caproate and of 6alpha-methyl-17alpha-hydroxyprogesterone acetate on hexosekinase, phosphofructose kinase and pyruvate kinase of the human myometrium] Lanza A. Minerva Ginecol 21:1455-61, 15 Nov 69 (Ita)
[Effect of methaqualone on uterine contractility. Studies in the rat] Cella PL. Quad Clin Ostet Ginecol 24:293-6, Apr 69 (Ita)
[Action mechanism of sex steroid hormones from the aspect of molecular biology, with special reference to relaxing mechanism of uterine muscle contraction] Kato K, et al. J Jap Obstet Gynecol Soc 22:817-34, Aug 70 (Jap)
[Human uterine muscle contracting protein, myosin and the effect of progesterone] Koizumi K. J Jap Obstet Gynecol Soc 23:414-22, May 71 (Jap)
[Effects of uterus contraction agents] Otani I. J Jap Obstet Gynecol Soc 22:1300-16, Dec 70 (Jap)
[Effects of sex steroid hormones on uterine muscle myosin B in the rat] Sato S. J Jap Obstet Gynecol Soc 22:1023-31, Sep 70 (Jap)
[Action of desamino-oxytocin on the uterine muscle of the pregnant rat observed through intracellular induction method] Shioara K. J Jap Obstet Gynecol Soc 22:1199-208, Nov 70 (Jap)
[Uterine contractility. On the response of the uterus to oxytocin] Nomura Y. Nippon Ika Daigaku Zasshi 38:77-85, Apr 71 (Jap)
[Endocrine regulation of the myometrium] Bengtsson LP. Tidsskr Nor Laegeforen 90:2163-9, 1 Dec 70 (Nor)
[Oxytoxic action on the contractile mechanism of the rat uterus] Szonert M. Acta Physiol Pol 21:699-710, Sep-Oct 70 (Pol)
[Human myometrium sensitivity to oxytocin in the course of pregnancy in in vitro assays] Czekanowski R, et al. Ginekol Pol 41:1309-13, 1970 (Pol)
[Evaluation of the sensitivity of woman's uterus (corpus, lower part, cervix) and the vagina to oxytocin and catecholamines in vitro. II. In the course of labor] Czekanowski R, et al. Ginekol Pol 42:841-8, May 71 (Pol)
[Effects of sparteine on uterus contractility during labor] Dipont M. Ginekol Pol 42:657-63, May 71 (Pol)
[Effect of ornithine-8-vasopressin on the contractility of the uterine blood vessels in pregnant women] Kordeusz Z, et al. Ginekol Pol 42:365-9, 1971 (Pol)
[Oxytocin and electrobiological phenomena in the myometrium] Maloflejew M. Ginekol Pol 42:605-10, May 71 (Pol)
[Effect of estrogens upon the function of the adrenergic system receptors in rat's myometrium] Urban J. Ginekol Pol 42:303-6, 1971 (Pol)
[Influence of bradykinin upon human myometrium contractility and upon rat's myometrium after in vitro blockade of the adrenergic receptors] Uszyński M, et al. Ginekol Pol 41:961-6, Sep 70 (Pol)
[Effects of corticoids on the myometrium] Zasztowt O. Ginekol Pol 42:649-56, May 71 (Pol)
[Effect of desamino-oxytocin tablets and intravenous oxytocin infusion on uterine contractility] Baron J, et al. Pol Tyg Lek 26:176-8, 1 Feb 71 (Pol)
[Separation of some phosphatides from striated muscle with action on smooth muscle] Cuparencu B, et al. Fiziol Norm Patol 16:547-54, 1970 (Rum)
[Effect of sex hormones on the elastic properties of the myometrium] Ketkin AT. Akush Ginekol (Mosk) 46:57-60, Mar 70 (Rus)
[Changes in the mitotic activity of mouse uterine epithelium under the influence of small doses of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

synestrol] Budik VM, et al.
Biull Eksp Biol Med 66:94-6, 1968 (Rus)
[Contraction of depolarized muscles of the uterus] Kotkin AT. Biull Eksp Biol Med 68:8-11, Jun 69 (Rus)
[Effect of progesterone on the mitotic index of the uterine cavity, uterine glands and vagina] Rosliakova NA. Biull Eksp Biol Med 68:100-2, Nov 69 (Rus)
[The significance of H-cholinoreceptor sulfhydryl groups in the mechanism of proserine action] Tarakhovskif ML.
Biull Eksp Biol Med 69:72-5, Apr 70 (Rus)
[Study of peripheral antiserotonin properties of some new indol derivatives] Pidevich IN, et al.
Farmakol Toksikol 34:155-9, 1971 (Rus)
[Comparative study of the uterotropic action of anabolic steroids] Liashenkova SK.
Probl Endokrinol (Mosk) 16:90-6, May-Jun 70 (Rus)
[Clinical experience in the use of orciprenaline (Alupent) as an inhibitor of uterine contractility] Chargoy Vera J, et al.
Ginecol Obstet Mex 29:81-9, Jan 71 (Spa)
[Action of orciprenaline on uterine contractility] Guevara-Rubio G, et al.
Ginecol Obstet Mex 29:301-18, Mar 71 (Spa)
[Effect of bupivacaine on the uterine contractility] Noriega Guerra L, et al.
Ginecol Obstet Mex 27:639-47, Jun 70 (Spa)
[Inhibition by dipyridamole of the contractile response induced by angiotensin in the isolated rat uterus] Brugger A, et al.
Rev Clin Esp 120:127-30, 31 Jan 71 (Spa)
[Response of the pregnant human uterus to oxytocin in cases of dead and retained fetus] Barrios Amaya JA, et al.
Rev Colomb Obstet Ginecol 21:303-15, May-Jun 70 (Spa)
[Inhibition of the contractility of the pregnant human uterus through the use of orciprenaline sulfate and Th-1165] Cobo E, et al.
Rev Colomb Obstet Ginecol 21:271-2, May-Jun 70 (Spa)
[Clinical use of orciprenaline as an inhibitor of uterine contractility] Soto Yances A.
Rev Colomb Obstet Ginecol 21:219-31, May-Jun 70 (Spa)
[Effect of a protein present in experimental myocardial infarct on the excitability of the isolated rat uterus] Viña J, et al.
Rev Esp Fisiol 27:55-61, Mar 71 (Spa)
[Prostaglandins and the uterus. Stimulating effect on contractility of the uterus] Bygdeman M.
Nord Med 85:436, 8 Apr 71 (Swe)
[Prostaglandins and the uterus. Clinical use] Wiqvist N. Nord Med 85:436, 8 Apr 71 (Swe)
[Pharmacological effects of sumac (Rhus coriaria)] Altinkurt O, et al.
Turk Hij Tecr Biyol Derg 30:41-8, 1970 (Tur)
[Effect of estrone on enzyme activity in energy metabolism of uterine muscle] Andrashko VV.
Pediatr Akush Ginekol 5:33-6, Sep-Oct 69 (Ukr)
[Effect of ascorbic acid on some biochemical processes in uterine muscle] Baksheev MS, et al.
Pediatr Akush Ginekol 3:33-7, May-Jun 69 (Ukr)
[Effect of spasmolytic ganglionic blockader on the uterine contraction and blood coagulation during labor] Ryndin VA, et al.
Pediatr Akush Ginekol 6:36-8, 1970 (Ukr)
[Some principles in administration of estrogens in geriatrics and gerontology] Svechnikova NV, et al.
Pediatr Akush Ginekol 3:50-2, 1970 (Ukr)
[Significance of the length of the unchanged findings at the uterine stoma for the effect of oxytocin infusion] Bruchác D, et al. Bratisl Lek Listy 56:34-7, 1971 (Slo)

EMBRYOLOGY

[Histochemical studies on female genital organs during fetal development. 1. Carbohydrate histochemistry of the uterus] Ruckhäberle KE, et al.
Gegenbaurs Morphol Jahrb 114:269-83, 1969 (Ger)

ENZYMOLOGY

Peptidyl peptide hydrolases, cathepsin and collagenase (?) of the rat uterus during postpartum involution. Platt D, et al. Acta Endocrinol (Kbh) 67:563-9, Jul 71
Metabolism of (4- 14 C) oestradiol by oestrogen-induced uterine peroxidase. Jellinck PH, et al. Acta Endocrinol [Suppl] (Kbh) 155:122, 1971
Histochemical behaviour of the acetylcholinesterase in the myometrium of the albino rats, during estrus, diestrus, pregnancy and parturition. Paraventi H, et al. Acta Histochem (Jena) 38:70-3, 1970
Renin isozymes of extrarenal origin. Carretero OA, et al. Am J Physiol 220:1468-72, May 71
Tachyphylactic responses exhibited by phosphorylase 'a' activity levels in rat uteri. Leonard SL.
Am J Physiol 220:1846-51, Jun 71
Inhibition of in vitro histone acetylation in a cell free rat uterine system by methylglyoxal and phenylglyoxal. Procaccini RL, et al.
Biochem Biophys Res Commun 43:684-7, 7 May 71
Carbonic anhydrase isoenzymes in the erythrocytes and uterus of the rabbit. McIntosh JE.
Biochem J 120:299-310, Nov 70
Metabolic control mechanisms in mammalian systems. IX. Estrogen-like stimulation of uterine enzymes by o,p'-1,1,1-trichloro-2-2-bis (p-chlorophenyl) ethane. Singhal RL, et al.
Biochem Pharmacol 19:2145-55, Jun 70
Purification and comparative properties of human lactate dehydrogenase isozymes from uterus, uterine myoma, and cervical cancer. Okabe K, et al.
Biochemistry 7:79-90, Jan 68
Phosphorylase alpha activity in rat uterine homogenates. Loss of activity related to in vivo treatment with estrogen, progesterone, relaxin and CaEDTA. Rinard GA.
Biochim Biophys Acta 222:455-64, 24 Nov 70
Effect of ovarian steroids on lactic dehydrogenase activity in endometrium and myometrium of rat uterus. Clark SW, et al.
Endocrinology 89:358-65, Aug 71
Estrogen and progesterone regulation of carbonic anhydrase isoenzymes in guinea pig and rabbit uterus. Hodgen GD, et al. Endocrinology 89:859-64, Sep 71
Induction of uterine phosphofructokinase by cyclic 3',5'-adenosine monophosphate. Singhal RL, et al.
Endocrinology 87:1099-104, Nov 70
Estrogen and diet effects on uteri. Snee DA, et al.
Endocrinology 88:259-60, Jan 71
The effect of oestradiol-17-beta on uterine adenosine triphosphatase in the rat. Karmakar PK, et al.
Experientia 26:1336-8, 15 Dec 70
Effect of postcoital estroen on uterie carbonic anhydrase. Makler AM, et al.
Fertil Steril 22:204-8, Mar 71
Peroxidase-mediated antimicrobial activity of rat uterine fluid. Klebanoff SJ, et al.
Gynecol Invest 1:21-30, 1970
Purification and properties of cathepsin D from bovine utrus. Woessner JF Jr, et al.
J Biol Chem 246:1951-60, 10 Apr 71
Histochemical observations on early implantation in the mouse. Smith MS, et al.
J Embryol Exp Morphol 25:165-74, Apr 71
Some uterine cellular activities during delayed or induced implantation of blastocysts in suckling mice. Hall K. J Endocrinol 48:lxvii, Dec 70
Lactate dehydrogenase isoenzymes in rat uterus: changes during pregnancy. Battellino LJ, et al.
J Reprod Fertil 25:393-9, Jun 71
Biochemical changes in forming and regressing deciduoma in the rat uterus. Wood JC, et al.
J Reprod Fertil 23:469-75, Dec 70
The effect of catecholamines on adenyl cyclase activity in rat uterus. Triner L, et al.
Life Sci [I] 9:707-12, 15 Jun 70
Variations in phosphatases in plasma and uterine fluid and in the uterine epithelia of the domestic fowl. Solomon SE. Poult Sci 49:1243-8, Sep 70
Leucylglycinamide released from oxytocin by human uterine enzyme. Walter R, et al.
Science 173:827-9, 27 Aug 71
Theophylline-induced potentiation of estrogen action. Lafreniere RT, et al. Steroids 17:323-9, Mar 71
[The effect of hyaluronidase on the resorption of streptomycin by the uterine mucosa and uterine tubes] Rizov V, et al.
Akush Ginekol (Sofiia) 8:504-10, 1969 (Bul)
[Estradiol, cyclic AMP and nucleolar RNA polymerase in the heifer uterus] Arnaud M, et al.
C R Acad Sci [D] (Paris) 272:2957-60, 7 Jun 71 (Fre)
[Enzyme topochemistry of the early development and implantation in the rabbit. I. Metabolism of glycogen] Denker HW. Histochemie 25:256-67, 1971 (Ger)
[Enzyme topochemistry of the early development and implantation in the rabbit. II. Glycosidases] Denker HW. Histochemie 25:268-85, 1971 (Ger)
[Kinetic studies for the further characterization of 17-beta-hydroxysteroid:NAD(P) oxidoreductase from rabbit myometrium] Jütting G, et al.
Hoppe Seylers Z Physiol Chem 352:512-4, Mar 71 (Ger)
[Action mechanism of estrogenic hormones: induction of steroid oxidoreductase in the myometrium during pregnancy] Jütting G.
Ned Tijdschr Geneeskd 114:2027-8, 28 Nov 70 (Ger)
[Action mechanism of estrogenic hormone induction of steroid oxidoreductases in the myometrium during pregnancy] Jütting G.
Ned Tijdschr Verloskd Gynaecol 70:459-65, Oct 70 (Ger)
[The isoenzyme pattern of the rat uterus. I. Comparative studies in the intact uterus] Lehmann J, et al. Z Geburtshilfe Gynaekol 173:330-6, 1970 (Ger)
[Action of some proteinase inhibitors on cathepsins in old and young rats] Torboli A.
Boll Soc Ital Biol Sper 46:845-7, 30 Oct 70 (Ita)
[Leucine aminopeptidase (L.A.P.) in the female genitalia] Avanzini L, et al.
Quad Clin Ostet Ginecol 24:619-25, Sep 69 (Ita)
[Carbonic anhydrase in the female genital system] Possenti P, et al.
Quad Clin Ostet Ginecol 24:627-32, Sep 69 (Ita)
[Lactate dehydrogenase isozyme pattern of the rabbit myometrium and its changes by pregnancy and sex hormone administration] Noda N.
J Jap Obstet Gynecol Soc 23:83-92, Feb 71 (Jap)
[Effect of estrone on enzyme activity in energy metabolism of uterine muscle] Andrashko VV.
Pediatr Akush Ginekol 5:33-6, Sep-Oct 69 (Ukr)

GROWTH & DEVELOPMENT

[Correlation of the breast and uterus development] Pinta Z, et al. Cesk Gynekol 36:26-8, Feb 71 (Cze)
[The influence of the products of conception on uterine growth in the rats] Braun L, et al.
Arch Gynaekol 209:106-15, 1970 (Ger)
[Nutrition dependent uterotropic and antinuterotropic effects in juvenile mice. II. Effects of yolk, meat, fats, oils, whole milk powder, whole milk exchanger and saccharides in connection with different basic foods] Vogt K, et al. Z Tierphysiol 28:1-12, Aug 71 (Ger)
[Maturation process of hypothalamo-hypophyseal-gonadal system studied by autoradiography] Nakai T.
J Jap Obstet Gynecol Soc 23:397-404, May 71 (Jap)

INJURIES

Uterine perforation: a complication of continuous fetal monitoring. Haverkamp A, et al.
Am J Obstet Gynecol 110:667-9, 1 Jul 71
Gunshot wound of the intestine, pregnant uterus, and placenta with maternal and fetal survival. Wray RC Jr, et al. Am Surg 37:368-9, May 71
Support of deciduoma formation and growth by the transplanted ovary of the rat. Bartosik D, et al.
J Reprod Fertil 23:505-7, Dec 70
The differentiation of the decidua at ovo-implantation in the guinea-pig contrasted with that of the traumatic deciduoma. Deanesly R. J Reprod Fertil 26:91-7, Jul 71
Removal of Lippes loop through laparoscope. Farooqui MO, et al. Practitioner 205:65-6, Jul 70
Obstruction of the small intestine by closed ring type intra-uterine devices. Haspels AA.
Trop Geogr Med 23:102-4, Mar 71
[Analysis of complications after legal interruption of pregnancy in Poland] Chroscielewski E.
Med Leg Domm Corpor (Paris) 3:16-7, Jan-Mar 70 (Fre)
[Voluntary genital mutilation in women] Védrinne J, et al.
Med Leg Domm Corpor (Paris) 2:156-7, Apr-Jun 69 (Fre)
[Prevention of uterine injury during induced abortion] Sugiyama S. Sanfujinka Jissai 20:494-5, Apr 71 (Jap)

INNERVATION

Origin from the spinal cord of motor innervation to uterine horn and corpus uteri in dogs. Mori T.
Acta Obstet Gynecol Scand [Suppl] 18:101-6, Apr 71
Synaptic connections of the paracervical (Frankenhäuser) ganglion of the rat uterus examined with the electron microscope after division of the sympathetic and sacral parasympathetic nerves. Mustonen T, et al. Acta Physiol Scand 82:264-7, Jun 71
Recovery of the transmitter content in uterine adrenergic nerves after pregnancy. Gärdmark S, et al.
Am J Obstet Gynecol 109:997-1002, 1 Apr 71
Cholinergic mechanisms in the human uterus. Nakanishi H, et al.
J Obstet Gynaecol Br Commonw 78:716-23, Aug 71
Some histochemical and neurohistological observations on the rat uterus. Bhargava KN, et al.
Mikroskopie 27:65-72, May 71
[Innervation of the uterus in Ovis aries] Salerno V.
Acta Med Vet (Napoli) 16:113-20, Jan-Apr 70 (Ita)
[Electron microscopic study of nerve-muscle junction of the human and rat uterus] Osada K.
J Jap Obstet Gynecol Soc 22:1171-80, Oct 70 (Jap)
[Effects of fibrinogen degradation products on the alpha and beta receptors of the adrenergic system of the uterus in rats] Maloflejew M.
Ginekol Pol 41:1073-7, Oct 70 (Pol)
[Role of adrenergic receptors during uterus contraction] Urban J.
Ginekol Pol 42:611-7, May 71 (Pol)
[The effect of uterine innervation disorders in pregnant rats on the vulnerability of their fetuses to the effects of hyperthermia and myelosan] Kurdovanidze IL.
Biull Eksp Biol Med 65:102-5, May 68 (Rus)
[Adrenergic receptor mechanism of the human uterus] Soto-Baca L. Rev Esp Fisiol 27:1-7, Mar 71 (Spa)

METABOLISM

The metabolism of glucose by rat uterus tissue in early pregnancy. Surani MA, et al.
Acta Endocrinol (Kbh) 66:16-24, Jan 71
Metabolic behaviour of dehydroepiandrosterone and aromatizing capacity of the placenta in pregnancy cases of diabetes mellitus. Lauritzen C, et al.
Acta Endocrinol [Suppl] (Kbh) 155:186, 1971
Biochemical effects of luteinizing hormone in the ovary of newborn guinea pigs. Schulz KD, et al.
Acta Endocrinol [Suppl] (Kbh) 155:56, 1971
Oestrogen sensitivity of guinea pig uteri during the neonatal period. Schulz KD, et al.
Acta Endocrinol [Suppl] (Kbh) 155:137, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Specific binding of oestradiol in human uterine tissue. Trams G, et al.
Acta Endocrinol [Suppl] (Kbh) 155:138, 1971
Enhanced uptake of radioactive progesterone by rat uterus as a result of estrogen priming. Kato J.
Acta Obstet Gynaecol Jap 18:45-8, Jan 71
Studies on the character of RNA synthesized in the uterus after estradiol-17 beta administration. Ozaki M, et al. Acta Obstet Gynaecol Jap 18:23-8, Jan 71
Place of renin formation in rabbit uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 78:473-81, 1970
Place of renin formation in rabbit uterus. II. Renin in intraocular endometrial and myometrial transplants. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 79:123-33, 1971
Effect of estrogen and progesterone on the uptake of amino acids by the uterus of the nonpregnant ewe. Curet LB, et al.
Am J Obstet Gynecol 109:548-54, 15 Feb 71
The uptake of 2-14C-5-hydroxytryptamine by uterine tissue of nonpregnant and pregnant rats. Koren Z, et al. Am J Obstet Gynecol 110:919-23, 1 Aug 71
Total contents and net movements of magnesium in the rat uterus. Moawad AH, et al.
Am J Physiol 220:75-82, Jan 71
A rapid assay for binding estradiol to uterine receptor(s). Erdos T, et al.
Anal Biochem 37:244-52, Oct 70
Histochemical study of estrogenic and antiestrogenic effects of clomiphene citrate on glycogen synthesis by myometrium and luminal epithelium of rat uterus. Poteat WL, et al. Anat Rec 169:717-26, Apr 71
In vivo study of "binding constants" of oestradiol-17 beta in the uterus and endometrium of the adult rat. Hertogh R de, et al.
Ann Endocrinol (Paris) 31:Suppl 4:765+, 1970
Incorporation in vivo of 14C-labeled precursors into the proteins of rabbit uterine secretions. Krishnan RS.
Arch Biochem Biophys 141:764-5, Dec 70
Phenylalanine transport in utero. Robins SP, et al.
Arch Dis Child 46:397, Jun 71
Genital tract sources of renin. Symonds EM, et al.
Aust NZ J Obstet Gynaecol 10:225-9, Nov 70
Progesterone in the uterus and the plasma. II. The role of hormone availability and metabolism on selective binding to uterus protein. Milgrom E, et al.
Biochem Biophys Res Commun 40:723-30, 11 Aug 70
Regulation by estrogen of organ-specific synthesis of a nuclear acidic protein. Teng CS, et al.
Biochem Biophys Res Commun 40:1231-8, 10 Sep 70
Changes in the concentration of high-affinity oestradiol receptor in rat uterine supernatant preparations during the oestrous cycle, pseudopregnancy, pregnancy, maturation and after ovariectomy. Feherty P, et al. Biochem J 120:837-44, Dec 70
Role of endogenous hormones in uterine binding of oestradiol-17-beta. King RJ, et al.
Biochem J 118:10P-11P, Jun 70
Determination of high-affinity oestrogen receptor sites in uterine supernatant preparations. Méster J, et al.
Biochem J 120:831-6, Dec 70
Oestrous-cycle-dependent oestradiol oxidation in rat uterus and the influence of androst-3-en-17-one. Mützel W, et al. Biochem J 120:899-900, Dec 70
Incorporation of [3H] uridine into the ribonucleic acid of rat uterus during pseudopregnancy and in the presence of I.C.I. 46474 [trans-1-(p-beta-dimethylaminoethoxyphenyl)-1,2-diphenylbut-1-ene]. O'Grady JE, et al.
Biochem J 119:609-13, Oct 70
Effects of oestradiol-17-beta and progesterone on total and nuclear-protein synthesis in epithelial and stromal tissues of the mouse uterus, and of progesterone on the ability of these tissues to bind oestradiol-17-beta. Smith JA, et al.
Biochem J 119:773-84, Oct 70
The use of protamine to study [6,7-3H] oestradiol-17-beta binding in rat uterus. Steggles AW, et al. Biochem J 118:695-701, Aug 70
Metabolic control mechanisms in mammalian systems. VI. Estrogenic control of uterine lactate and alpha-glycerophosphate production in ovariectomized rats. Lea MA, et al.
Biochem Pharmacol 19:113-24, Jan 70
Estrogen-induced synthesis of histones and a specific nonhistone protein in the uterus. Barker KL.
Biochemistry 10:284-91, 19 Jan 71
Studies on estradiol receptors of the rat uterus. Nuclear uptake in vitro. Mustiner TA, et al.
Biochemistry 9:4448-53, 27 Oct 70
The determination of the dissociation velocity constants of rabbit uterine cytosol receptor-oestrogen complexes. Méster J, et al.
Biochim Biophys Acta 230:543-9, 1971
Interaction of uterus cytosol receptor with estradiol. Equilibrium and kinetic studies. Truong H, et al.
Biochim Biophys Acta 237:167-72, 20 Apr 71
The subunit character of soluble estrogen receptors from rat uteri and their modification in vitro. Vonderhaar BK, et al.
Biochim Biophys Acta 215:125-33, 21 Jul 70
The heterogeneity of soluble estrogen receptors from rat uteri and their modification by temperature, imidazole compounds and estradiol. Vonderhaar BK, et al. Biochim Biophys Acta 208:517-27, Jun 70
Adrenaline uptake mechanisms in the rat uterus. Draper JG, et al. Br J Pharmacol 40:558P, Nov 70
Dissociation of the downhill calcium movements from sodium and potassium movements in rat uterus. Batra SC, et al. Can J Physiol Pharmacol 48:768-73, Nov 70
Effect of metabolic inhibition on the cation binding and exchange in the rat uterus. Batra SC, et al.
Can J Physiol Pharmacol 48:774-9, Nov 70
Sodium exchange and net movement in rat uteri at 25 degrees C. Daniel EE, et al.
Can J Physiol Pharmacol 48:598-624, Sep 70
Uterine progesterone metabolism and progestational response: effects of estrogens and prolactin. Armstrong DT, et al. Endocrinology 89:191-7, Jul 71
In vivo observations on reversible binding of estradiol-17beta,6,7-3H in rat uterus. Measurement of a "biological exchange constant" and of the "tissue capacity". De Hertogh R, et al.
Endocrinology 88:165-74, Jan 71
In vivo observation on cyclic variations of estradiol-17beta,6,7-3H uptake by the uterus of the adult rat. De Hertogh R, et al.
Endocrinology 88:175-9, Jan 71
Effect of RNA from estradiol-treated immature rats on protein synthesis in immature uteri. Fenci MM, et al.
Endocrinology 88:279-85, Feb 71
Glycogen and water responses to estrogen in the hamster reproductive tract. Gregoire AT, et al.
Endocrinology 87:1369-72, Dec 70
Metabolism of estrogens and their sulfates in rat uterine minces. Pack BA, et al.
Endocrinology 87:924-33, Nov 70
Polyamine synthesis and accumulation in the castrated rat uterus after estradiol-17-beta stimulation. Russell DH, et al. Endocrinology 88:1397-403, Jun 71
Properties of estrogen-sensitive uterine sugar metabolism specificity of inhibitory sugars. Smith DE, et al. Endocrinology 88:218-23, Jan 71
Decreased estradiol binding in the uterus and anterior hypothalamus of androgenized female rats. Tuohimaa P, et al. Endocrinology 88:1159-64, May 71
Prolonged in vitro retention of oestradiol by cycloheximide in rat uterus. Maurer HR.
Endokrinologie 56:257-61, 1970
Changes in hepatic and uterine glycogen following chronic estrogen treatment in the rat. Paul PK.
Endokrinologie 58:87-92, 1971
Influence of estrogen and pregnancy on uterus: a comparative study. Paul PK.
Endokrinologie 57:348-52, 1971
Changes in hepatic and uterine glycogen following chronic estrogen treatment in the rat. Paul PK.
Endokrinologie 58:87-92, 1971
5-hydroxytryptamine content of rat uterus with intrauterine device in one horn. Guiati OP, et al.
Indian J Exp Biol 8:142-3, Apr 70
Estrogen-binding protein of the rat uterus. Different molecular forms associated with nuclear uptake of estradiol. Giannopoulos G, et al.
J Biol Chem 246:2530-6, 25 Apr 71
Estrogen receptors. Quantitative studies on transfer of estradiol from cytoplasmic to nuclear binding sites. Giannopoulos G, et al.
J Biol Chem 246:2524-9, 25 Apr 71
The smooth muscle cell. I. In vivo synthesis of connective tissue proteins. Ross R, et al.
J Cell Biol 50:159-71, Jul 71
Effect of histamine on the uterine uptake of oestradiol. De Carli DN, et al. J Endocrinol 50:541-2, Jul 71
Oestrogen receptors in human uterine tissue. Evans LH, et al. J Endocrinol 50:209-29, Jun 71
Carbohydrate metabolism in rat uterus during early pregnancy. Greenstreet RA, et al.
J Endocrinol 48:67-8, Dec 70
Early action of oestrogen on the incorporation of [3H]uridine in the blastocyst and uterus of rat during delayed implantation. Mohla S, et al.
J Endocrinol 49:87-92, Jan 71
Results of breeding for low and high uterine metabolic status in rats. Schultze AB.
J Hered 60:349-50, Nov-Dec 69
The effect of octanoate on the carbohydrate metabolism of myometrium from the pregnant rhesus monkey. Beatty CH, et al.
J Reprod Fertil 23:307-17, Nov 70
Uterine production of oestrogens and progesterone at parturition in the sheep. Challis JR, et al.
J Reprod Fertil 25:306-7, May 71
Passage of sodium into the uterine lumen of the rat during the sexual cycle and under the influence of steroidal hormones. Marley PB, et al.
J Reprod Fertil 26:287-96, Sep 71
Stimulation of RNA synthesis in the blastocyst and uterus of the rat by adenosine 3'5'-monophosphate (cyclic ApMP). Mohla S, et al.
J Reprod Fertil 23:327-9, Nov 70
Nature of oestrogen specific binding sites in the nuclei of mouse uteri. Harris GS.
Nature [New Biol] 231:246-8, 23 Jun 71
Distribution curves of 3H-testosterone and 3H-estradiol in neonatal female rats. Alvarez EO, et al.
Neuroendocrinology 6:349-60, 1970
Transport of spermatozoa in the reproductive tract of turkey hens. Howarth B Jr. Poult Sci 50:84-9, Jan 71
Distribution of calcium, carbonic anhydrase and alkaline phosphatase activities in the uterus and isthmus of young and old White Leghorn Hens. Snapir N, et al. Poult Sci 49:1526-31, Nov 70
Soluble complexes between steroid hormones and target-tissue receptors bind specifically to target-tissue chromatin. Steggles AW, et al.
Proc Natl Acad Sci USA 68:1479-82, Jul 71
Effect of thyroxine on RNA synthesis of rat uterus. Miura S, et al.
Proc Soc Exp Biol Med 136:487-90, Feb 71
Estrogenic stimulation of cytidine uptake. Greenman DL. Steroids 17:17-23, Jan 71
Progesterone in uterus and plasma. IV. Progesterone receptor(s) in guinea pig uterus cytosol. Milgrom E, et al. Steroids 16:741-54, Dec 70
Estradiol-17-beta and estrone: studies on their binding to rabbit uterine cytosol and their concentration in plasma. Nagai N, et al. Steroids 17:631-47, Jun 71
[Metabolic processes in the myomatous myometrium] Vasilevskaia LN.
Akush Ginekol (Sofiia) 9:129-35, 1970 (Bul)
[Dynamic studies of changes in the electrolyte content of the myometrium in pregnant cats] Zherev S.
Akush Ginekol (Sofiia) 9:294-7, 1970 (Bul)
[Histoautoradiographic study on the distribution of radioactivity in some tissues following a single injection of 125-I labeled human chorionic gonadotropin (125 I-HCG) in immature female rats] Pospíšil J, et al. Cesk Gynekol 36:132-5, Apr 71 (Cze)
[Protein synthesis stimulated in vitro by estradiol in the rat uterus] Wira CR, et al.
C R Acad Sci [D] (Paris) 273:218-21, 12 Jul 71 (Fre)
[Interactions between estradiol and uterine receptor sites. Kinetic and equilibrium studies] Best-Belpomme M, et al.
Eur J Biochem 17:425-32, Dec 70 (Fre)
[Investigations concerning the binding and metabolism of progesterone in the rat uterus] Egert D, et al.
Acta Endocrinol [Suppl] (Kbh) 152:74, 1971 (Ger)
[Binding of 17 beta-estradiol in breast carcinoma tissue and in the uterus of women] Maass H, et al.
Acta Endocrinol [Suppl] (Kbh) 152:58, 1971 (Ger)
[Autoradiographic investigations concerning the influence of gestagens on 3H-thymidine and 3H-uridine absorption in the rat uterus] Trams G, et al. Acta Endocrinol [Suppl] (Kbh) 152:75, 1971 (Ger)
[Investigations on the metabolism of estradiol in the rat uterus] Wenzel M, et al.
Acta Endocrinol [Suppl] (Kbh) 152:57, 1971 (Ger)
[Studies on intracellular distribution and binding of progesterone in the rat uterus] Egert D, et al.
Arch Gynaekol 211:240-1, 4 Jun 71 (Ger)
[Influence of narcotics on the gas exchange of pregnant uterus] Künzel W.
Arch Gynaekol 209:262-75, 1970 (Ger)
[Oxygen uptake and blood circulation of the pregnant uterus] Künzel W, et al.
Arch Gynaekol 211:259, 4 Jun 71 (Ger)
[Contractibility of the human uterus and the hormonal situation. Studies on therapy with progesterone in pregnancy] Mentasti P, et al.
Minerva Ginecol 21:685-7, 31 May 69 (Ita)
[Dynamics of Ca and Mg related to contraction and relaxation of the uterine muscle: uptake of Ca and Mg by the uterine muscle and myocin B in vivo] Kato K, et al. J Jap Obstet Gynecol Soc 23:385-8, May 71 (Jap)
[Effect of sex steroid hormones on myosin B of the uterine muscle and interaction of myosin and actin] Nakanishi S.
J Jap Obstet Gynecol Soc 22:1235-43, Nov 70 (Jap)
[Effect of oxytocin on glucose metabolism of the uterine muscle of pregnant rats] Takahashi Y, et al.
J Jap Obstet Gynecol Soc 22:1263-3, Nov 70 (Jap)
[Biochemistry of the myometrium] Velle W.
Tidsskr Nor Laegeforen 90:2159-62, 1 Dec 70 (24 ref.) (Nor)
[Biochemical peculiarities of some anomalies in contractive function of human myometrium] Bogolavlenskaia NV.
Akush Ginekol (Mosk) 47:66-9, May 71 (Rus)
[Hormonal regulation of labor] Manilova IA, et al.
Akush Ginekol (Mosk) 47:47-53, May 71 (Rus)
[Comparative study of the effect of estrogens and androgens on RNA biosynthesis in the rat uterus] Iudaev NA, et al. Biokhimiia 35:72-8, 1970 (Rus)
[Estrogen and androgen induction of biosynthesis of nuclear and cytoplasmic RNA by the rat uterus: double-label studies] Iudaev NA, et al.
Biokhimiia 36:380-7, Mar-Apr 71 (Rus)
[Tinctorial properties of uterine epithelium nucleic acids with different estrogen concentrations in the body] Budik VM.
Biull Eksp Biol Med 66:93-6, Sep 68 (Rus)
[Noradrenaline and adrenaline content in longitudinal and circular layers of uterine muscles in non-pregnant and pregnant cats] Lassi NI, et al.
Fiziol Zh SSSR 57:620-6, Apr 71 (Rus)
[Blood circulation and temperature of the uterus in a normal pregnancy and in threatened premature labor] Serova TA, et al.
Vopr Okhr Materin Det 15:71-4, Nov 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Energy metabolism in muscular and nodular tissue of the uterus in women with fibromyoma] Baksheév MS, et al. Pediatr Akush Ginekol 1:35-8, Jan-Feb 70 (Ukr)
[Protein composition of the smooth muscle sarcoplasm in the uterus in pregnancy] Andrashko VV. Ukr Biokhim Zh 42:445-9, 1970 (Ukr)
[Effect of serotonin on the content and distribution of calcium ions in the myometrium and liver of female rabbits] Kurskif MD, et al. Ukr Biokhim Zh 43:219-24, Mar-Apr 71 (Ukr)

MICROBIOLOGY

[Synchronization of estrus in sheep with the use of vaginal sponges] Donskaia VI, et al. Veterinariia 9:103-5, Sep 70 (Rus)

PATHOLOGY

The cytologic diagnosis of tissue repair on the female genital tract. Bibbo M, et al. Acta Cytol (Baltimore) 15:133-7, Mar-Apr 71
The diagnostic possibilities of a modified hysteroscopic technique. Edström K, et al. Acta Obstet Gynecol Scand 49:327-30, 1970
Adenomyosis: a clinical and pathological appraisal. Molitor JJ. Am J Obstet Gynecol 110:275-84, 15 May 71
Malignant mixed mesodermal tumor of the uterus: an ultrastructural study. Silverberg SG. Am J Obstet Gynecol 110:702-12, 1 Jul 71
Utero-ovarian pathology in dysfunctional uterine bleeding. Czernobilsky B. Clin Obstet Gynecol 13:416-33, Jun 70 (38 ref.)
Leiomyosarcoma of the uterus. Current case reports. Review of all cases in Honolulu, 1955-1965. Review of the literature. Hindle WH, et al. Hawaii Med J 29:452-63, Jul-Aug 70
Histopathology of uterine horns in pseudo-pregnancy in a bitch. Chauhan HV, et al. Indian Vet J 48:426-9, Apr 71
Leucocytic and inflammatory exudate in the uteri of pregnant and pseudopregnant rats bearing IUDs. Wrenn TR, et al. J Reprod Fertil 25:149-52, Apr 71
Morphology of the rat uterus after prolonged exposure to a foreign device. Moore PJ, et al. Lab Invest 25:25-7, Jul 71
[Carcinosarcoma of the uterus] Baldi F, et al. Riv Anat Patol Oncol 33:125-40, 1968 (Ita)
[On glial tissue in the uterus (gliomatosis uteri)] Hańaki W. Nowotwory 20:115-21, Apr-Jun 70 (Pol)
[Genesis of stratified squamous epithelium in the uterus] Vol'fson NI, et al. Biull Eksp Biol Med 70:105-9, Oct 70 (Rus)
[Study of 505 cases of abnormal uterine hemorrhage and anatomo-clinical correlation with the endometrial biopsy] Bravo Sandoval J, et al. Ginecol Obstet Mex 26:355-66, Sep 69 (Spa)
[Adenomyosis. Clinico-pathological study of 103 cases] Rodríguez de Santiago JD, et al. Ginecol Obstet Mex 29:525-32, May 71 (Spa)
[Histopathological findings of advanced carcinoma of the cervix uteri treated by preoperative radium] Ferracani RS, et al. Prensa Med Argent 57:1664-6, 30 Oct 70 (Spa)
[A comparison between hysteroscopic and hysterographic findings] Edström K, et al. Nord Med 85:158, 4 Feb 71 (Swe)

PHYSIOLOGY

Changes in the volume of rat corpus luteum during pregnancy and after surgical interference with the uterus and placenta. Waynforth HB. Acta Endocrinol (Kbh) 66:296-302, Feb 71
Studies on the new organ preservation device for uterus and placenta. Tojo S, et al. Acta Obstet Gynaecol Jap 17:263-73, Oct 70
Continuous monitoring of the foetal heart rate and uterine contractions during labour. Davidsen PC. Acta Obstet Gynecol Scand 50:51-60, 1971
The long term effect of Lippes' loop on the in vivo motility patterns of the non-pregnant human uterus. Moawad AH, et al. Acta Obstet Gynecol Scand [Suppl] 6:31-4, 1970
Regulation of uterine contractility. Puikkinen MO. Acta Obstet Gynecol Scand [Suppl] 1:Suppl 1:19-41, 1970 (179 ref.)
Studies on the contractile activity of the myometrium isolated from ovariectomized rats. Gimeno MF, et al. Acta Physiol Lat Am 20:275-7, 1970
An automated collecting and measuring device for uterine blood flow studies. Abrams R, et al. Am J Obstet Gynecol 108:936-40, 15 Nov 70
Thermal aspects of uterine blood flow in nonpregnant sheep. Abrams RM, et al. Am J Obstet Gynecol 108:919-24, 15 Nov 70
Temperature differences in reproductive tract of nonpregnant ewe. Abrams RM, et al. Am J Obstet Gynecol 110:370-5, 1 Jun 71
A comparison of digital and nondigital analysis of contraction records obtained from the nonpregnant uterus in vivo. Braaksma JT, et al. Am J Obstet Gynecol 110:1075-82, 15 Aug 71
The relationship between progesterone, uterine volume, intrauterine pressure, and clinical progress in hypertonic saline--induced abortions. Csapo AI, et al. Am J Obstet Gynecol 108:950-5, 15 Nov 70
Electrical activity of the human uterus in labor. Sakaguchi M, et al. Am J Obstet Gynecol 108:993-3, 15 Nov 70
Intrauterine ncise: a component of the fetal environment. Walker D, et al. Am J Obstet Gynecol 109:91-5, 1 Jan 71
Resting pressure patterns in the nonpregnant human uterus. Yoshida T, et al. Am J Obstet Gynecol 108:450-7, 1 Oct 70
Tissue resistance of the progesterone-dominated rabbit myometrium. Ichikawa S, et al. Am J Physiol 219:1763-7, Dec 70
Transport and distribution of spermatozoa in the pseudopregnant rabbit. Dobrowolski W, et al. Am J Vet Res 31:2243-4, Dec 70
Effect of ethanol on the motility of isolated rat myometrium. Gimeno MA, et al. Arch Int Pharmacodyn Ther 191:213-9, Jun 71
A simplified technique for transcervical intra-amniotic tocography during labor. Vroman S, et al. Bull Soc R Belge Gynecol Obstet 39:349-53, Jul-Aug 69
Capacitation of sperm in the female reproductive tract of the rabbit during estrus and pseudopregnancy. Brown SM, et al. Fertil Steril 22:92-7, Feb 71
Isolation versus grouping effects on adrenal and gonadal function in albino mice. II. The female. Brain PF, et al. Gen Comp Endocrinol 16:155-9, Feb 71
The control of labor. Hendricks CH. Gynecol Invest 1:Suppl:37-54, 1970
Uterus in the mammary tumour development in C3H (Jax) mice. Pal SR, et al. Indian J Med Res 58:544-7, May 70
Phagocytosis of spermatozoa in the uterine cavity of woman using intrauterine device. Sağiroğlu N. Int J Fertil 16:1-14, Jan-Mar 71
Blastocysts in the mouse uterus: the effect of ovariectomy, progesterone and oestrogen. McLaren A. J Endocrinol 50:515-26, Jul 71
Implantation, transplantation, and epithelial-mesenchymal relationships in the rat uterus. Beer AE, et al. J Exp Med 132:721-36, 1 Oct 70
Zinc and smooth muscle contractility. I. Study of the mechanisms of zinc-induced contractility changes in rat uteri. Daniel EE, et al. J Pharmacol Exp Ther 178:282-9, Aug 71
Effects of changing the ionic environment on passive and active membrane properties of pregnant rat uterus. Abe Y. J Physiol (Lond) 214:173-90, Apr 71
Effects of changes of ionic environment on the negative after-potential of the spike in rat uterine muscle. Oashi H. J Physiol (Lond) 210:785-97, Oct 70
The fate of fertilized eggs transferred to the uterus or oviduct during advancing pseudopregnancy in the rabbit. Adams CE. J Reprod Fertil 26:97-111, Jul 71
Further studies on the role of the uterus in the regulation of corpus luteum function in sheep. Caldwell BV, et al. J Reprod Fertil 26:133-5, Jul 71
The effect of pineal extracts on hormone-induced rat uterine contractility. Davis RH. J Reprod Fertil 26:383-5, Sep 71
Hormonal requirements for the uterine attachment reaction and blastocyst implantation in the mouse, hamster and guinea-pig. Hedlund K, et al. J Reprod Fertil 26:267-9, Aug 71
The fertility of ewes after implantation of dummy pressure transducers in the uterine wall. Lehrer AR, et al. J Reprod Fertil 24:109-10, Jan 71
Genetic and uterine effects on survival in mice selected for body weight. Moore RW, et al. J Reprod Fertil 23:271-5, Nov 70
Duration of the oestrus cycle and pseudopregnancy following uterine transection in rats. O'Shea JD. J Reprod Fertil 24:143-4, Jan 71
Increased duration of pseudopregnancy associated with uterine distension in the rat. O'Shea JD. J Reprod Fertil 23:229-36, Nov 70
Decrease in the electrophoretic mobility of rabbit spermatozoa following intra-uterine incubation. Vaidya RA, et al. J Reprod Fertil 24:299-301, Feb 71
Effect of an intrauterine device on sperm transport and uterine motility in sheep and rabbits. Warren JE Jr, et al. J Reprod Fertil 26:419-23, Sep 71
Identification of prostaglandin F2-alpha released by distension of guinea-pig uterus in vitro. Poyser NL, et al. Nature (Lond) 230:526-8, 23 Apr 71
Fibrin proteolysis in the monkey uterine cavity: variations with and without IUD. Shaw ST Jr, et al. Nature (Lond) 228:1097-9, 12 Dec 70
Abortion and catecholamines. Eskes TK. Ned Tijdschr Verloskd Gynaecol 70:465-74, Oct 70
Uterine involution and ovarian activity after calving. Moller K. NZ Vet J 18:140-5, Jul 70
Spontaneous uterine activity in nonpregnant primates (Macaca mulatta). Harbert GM Jr, et al. Obstet Gynecol 37:487-500, Apr 71
An electromyographic study of the human uterus during labor. Wolfs G, et al. Obstet Gynecol 37:241-6, Feb 71
Electromyographic studies of rat and rabbit uterus with intrauterine contraceptive devices. Hojo M. Yokohama Med Bull 20:113-23, Aug 69
[Fetal electrocardiography and registration of intrauterine pressure during labor] Haan J de, et al. Ned Tijdschr Geneeskd 114:1493-501, 5 Sep 70 (Dut)
[Pertubation and uterine activity] Siregar-Emck TW, et al. Ned Tijdschr Geneeskd 114:2191-3, 26 Dec 70 (Dut)
[A new method for studying uterine contraction. Impedance measurement] Morin P, et al. Bull Fed Soc Gynecol Obstet Lang Fr 23:5-10, Jan-Mar 71 (Fre)
[Experimental and clinical study of uterine contraction] Delforge A. Bull Soc R Belge Gynecol Obstet 39:223-52, May-Jun 69 (Fre)
[Uterine cytoplasmic receptors of estrogens. Rate of sedimentation determined by analytic ultracentrifugation] Guilleux JC, et al. C R Acad Sci [D] (Paris) 271:866-8, 7 Sep 70 (Fre)
[Analysis of electric responses of smooth muscular fiber of rat uterus: demonstration of a slow calcium-sodium current] Mironneau J, et al. C R Acad Sci [D] (Paris) 272:436-9, 18 Jan 71 (Fre)
[The value of elementary electrophysiological examination in the study uterine contraction in the pregnant rat] Marillaud A, et al. C R Soc Biol (Paris) 164:1609-11, 1970 (Fre)
[Complementary data on maintenance factors of the gestative corpus luteum in the female rabbit] Meyer JM. C R Soc Biol (Paris) 164:1374-5, 1970 (Fre)
[Uterus motility during the female cycle] Baumgarten K. Geburtshilfe Frauenheilkd 30:921-33, Oct 70 (Ger)
[Data condensation in demonstration of the relationship between labor pain and fetal heart rate changes during labor] Tietze KW, et al. Klin Wochenschr 49:50-1, Jan 71 (Ger)
[The movement of the uterus in cows during birth and post partum] Zerobin K. Schweiz Arch Tierheilkd 112:544-60, Nov 70 (Ger)
[The effect of ultrasound on the fetal heart rate and on intrauterine pressure] Johannigmann J, et al. Z Geburtshilfe Gynaekol 174:14-21, 1971 (Ger)
[The influence of the uterus-activity on the fetal acid-base equilibrium] Obolensky W. Z Geburtshilfe Gynaekol 173:181-96, 1970 (Ger)
[Nutritionally conditioned uterotropic and antiuterotropic effects in juvenile mice. I. Effect of milk products and whole milk substitutes] Vogt K, et al. Z Tierphysiol 25:333-44, Dec 69 (Ger)
[Comparison of the results of outer and inner tocography] Kolenc M. Zentralbl Gynaekol 92:1378-83, 17 Oct 70 (Ger)
[Tocographic studies on the effect of breast feeding on the musculature of the uterus] Vértes L. Zentralbl Gynaekol 93:108-10, 16 Jan 71 (Ger)
[Physiology of labor: present-day criteria of control of its course] Carenza L. Acta Anaesthesiol (Padova) 19:Suppl 2:9-17, 1968 (Ita)
[Uterine dynamics and intraocular tension in labor. Clinico-experimental data] Carbonini M, et al. Minerva Ginecol 21:1207-10, 30 Sep 69 (Ita)
[Influence of endogenous catecholamines on uterine contractile activity in labor] Zacutti A, et al. Minerva Ginecol 22:303-6, 15 Mar 70 (Ita)
[Electromyographic study of the uterus with the intrauterine device] Hojo M. J Jap Obstet Gynecol Soc 23:24-8, Jan 71 (Jap)
[Total, dialyzable and non-dialyzable calcium and magnesium in the uterine muscle, placenta and serum of rats at the end of pregnancy and the time of delivery--its relationship to the mechanism of contraction and relaxation of the uterine muscles] Kato K, et al. J Jap Obstet Gynecol Soc 23:468-70, Jun 71 (Jap)
[Methods for in vivo registration of uterus muscle activity] Bengtsson LP. Tidsskr Ner Laegeforen 90:2170-7, 1 Dec 70 (Nor)
[The activity of the uterine muscle in pregnancy and delivery] Bjoro K. Tidsskr Nor Laegeforen 90:2205-7, 1 Dec 70 (Nor)
[Oxytocin and electrobiological phenomena in the myometrium] Maloflejew M. Ginekol Pol 42:605-10, May 71 (Pol)
[Mechanism of uterine contraction] Soszka S. Ginekol Pol 42:593-603, May 71 (Pol)
[Effect of adrenalectomy on the uterus, ovaries and the blastocysts in pregnant rabbits] Telko M. Ginekol Pol 42:451-6, Apr 71 (Pol)
[Plasma kinins and uterine action during labor: facts and hypotheses] Uszyński M. Ginekol Pol 42:619-22, May 71 (Pol)
[Cervix dilatation and uterus contraction in the course of normal labor in primipara and multipara] Wiciński R, et al. Ginekol Pol 42:665-73, May 71 (Pol)
[Hysterodynamometer] Dobrovol'skiĭ AA. Akush Ginekol (Mosk) 46:75-6, Sep 70 (Rus)
[Uterine contractions and blood circulation in women during the 1st stage of labor] Gafurova M, et al. Akush Ginekol (Mosk) 47:53-7, Jun 71 (Rus)
[Clinico-physiological peculiarities of uterine contraction and blood circulation in puerpera] Kalganova RI, et al. Akush Ginekol (Mosk) 47:58-62, May 71 (Rus)
[Importance of multicanal mechanohysterography for

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

the diagnosis of prematurity and evaluation of therapy] Magidef MD.
Akush Ginekol (Mosk) 46:63-5, Jul 70 (Rus)
[Main trends in the study of uterine contractility] Persianinov LS.
Akush Ginekol (Mosk) 47:43-7, May 71 (Rus)
[Effect of abdominal decompression on uterine contraction in the 1st stage of labor] Ryndin VA.
Akush Ginekol (Mosk) 47:57-61, Jun 71 (Rus)
[Determination of uterine readiness for labor before labor induction] Savel'eva GM, et al.
Akush Ginekol (Mosk) 46:69-72, Sep 70 (Rus)
[Wave-like fluctuations of intrauterine pressure in the intervals between labor pains (radiotelemetric data)] Karash IuM. Biull Eksp Biol Med 70:16-8, Aug 70 (Rus)
[Slow bioelectric potentials and the contractile activity of the uterus] Pronina GM.
Biull Eksp Biol Med 65:11-2, Apr 68 (Rus)
[Registration of the contractile activity of the uterus by 2-channel hysterography] Khentov RA, et al.
Nov Med Priborostr 3:55-8, 1970 (Rus)
[Results of clinical and rheohisterographic studies in the use of desaminooxytocin for induction and stimulation of labor] Persianinov LS, et al.
Vopr Okhr Materin Det 15:57-62, Sep 70 (Rus)
[Electric stimulation of the uterus as prophylaxis of hypotonic hemorrhage] Malykhina RI, et al.
Pediatr Akush Ginekol 6:33-6, 1970 (Ukr)

PHYSIOPATHOLOGY

Postpartum coagulation failure. Basu HK.
Br Med J 3:251, 24 Jul 71
Mechanisms of normal and dysfunctional uterine bleeding. Israel R, et al.
Clin Obstet Gynecol 13:386-99, Jun 70 (34 ref.)
[Bioelectric activity of uterus during pregnancy in women suffering from premature labor] Liubimova AI, et al. Akush Ginekol (Mosk) 47:62-6, May 71 (Rus)
[Histo-physiological peculiarities of the myometrium in full-term pregnancy, during labor and in uterine inertia] Zheleznov BI, et al.
Akush Ginekol (Mosk) 47:53-7, May 71 (Rus)
[Diagnosis of pathological attachment of the placenta according to radiotelemetric data of intrauterine pressure] Davydov SN, et al.
Vopr Okhr Materin Det 15:30-5, Dec 70 (Rus)

RADIATION EFFECTS

The possible carcinogenic effects of radiations on the uterus. Bird CC, et al. Br J Cancer 24:759-68, Dec 70
[Radiometric determination of the intensity of radiation of the uterus and its appendages during administration of P32] Poraf-Koshits KV.
Akush Ginekol (Mosk) 46:6-9, Aug 70 (Rus)
[Effect of ionizing radiation on hormonal induction of lactate dehydrogenase in the uterus of sexually immature rats] Slozhenikina LV, et al.
Radiobiologiia 10:643-7, Sep-Oct 70 (Rus)

RADIOGRAPHY

Localization of a missing IUD with the help of plain x-ray examination and a second IUD. Tötterman LE, et al. Acta Obstet Gynecol Scand 49:139-41, 1970
Uterine phlebography with venous compression. A clinical and roentgenological study. Kauppila A. Acta Obstet Gynecol Scand [Suppl] 3:Suppl 3:1-66, 1970
An assessment of intra-uterine foetal visualisation. Daw E. Br J Radiol 43:710-2, Oct 70
Improved visualization in uterine phlebography. Kauppila A, et al. Br J Radiol 44:284-9, Apr 71
Radiologic seminar C: roentgen diagnosis of anencephaly in utero. Levi S.
J Miss State Med Assoc 11:554-5, Oct 70
An angiographic study of the structure and function of the uterine and maternal placental vasculature in the rabbit. Carter AM, et al.
J Reprod Fertil 25:201-10, May 71
[Amniography (its diagnostic and therapeutic value)] Gros C, et al.
J Radiol Electrol Med Nucl 50:Suppl 5:423-5, May 69 (Fre)
[Value of hysterography in the diagnosis of post-menopause metrorrhagia and more especially of cancer of the endometrium] Rochet Y, et al.
Lyon Chir 66:321-4, Sep-Oct 70 (Fre)
[Use of hysterography in the evaluation of the uterine scar following cesarean section (case contribution)] Fontana C, et al.
Minerva Radiol 15:156-62, May-Jun 70 (Ita)
[Transabdominal opaque metrography in the diagnosis of hydatiform mole] Rossi F.
Riv Ital Ginecol 53:213-25, Mar 69 (Ita)
[Intra-uterine device in x-ray images]
Rinsho Hoshasen 16:599-600, Jul 71 (Jap)
[Uterus phlebography--importance and use in gynecologic diagnosis] Kauppila A.
Nord Med 85:938-9, 5 Aug 71 (Swe)

SECRETION

Uterine and oviduct fluid protein patterns in the rabbit before and after ovulation. Urzua MA, et al.
Fertil Steril 21:860-5, Dec 70
Identification of prostaglandin F2-alpha released by distension of guinea-pig uterus in vitro. Poyser NL, et al. J Endocrinol 48:43, Dec 70
Protein composition of uterine fluids during early gestation of the tammar wallaby. Renfree MB.
J Reprod Fertil 24:132-3, Jan 71
Intrauterine device: possible role of prostaglandins. Chaudhuri G. Lancet 1:480, 6 Mar 71
[Electrolytes in bovine intrauterine secretions in infertility sine material] Lamothe P, et al.
Can J Comp Med 34:167-76, Jul 70 (Fre)
[Hormone-like uterine secretion in relation to hypophyseal-ovarian activity] Stringa L, et al.
Minerva Ginecol 22:870-3, 30 Sep 70 (Ita)
[Significance and methodology in the study of the uterine milk] Iizuka R, et al.
Sanfujinka Jissai 19:1139-45, Nov 70 (Jap)

SURGERY

Lack of pathologic clot lysis following gynecologic surgery. McRae WD, et al.
Am J Obstet Gynecol 108:1068-71, 1 Dec 70
Complication of hysterotomy. Sood SV.
Br Med J 4:495-6, 21 Nov 70
The morphological appearance and development of sheep ova fertilized by surgical insemination. Killeen ID, et al. J Reprod Fertil 24:63-70, Jan 71
Experience with the Strassmann operation in Dundee. James GB. Proc R Soc Med 63:1045, Oct 70
The production of gnotobiotic piglets and calves by hysterotomy under general anaesthesia. Tavernor WD, et al. Vet Rec 88:10-4, 2 Jan 71
[Case of ovaro-uterine implantation] Chelli M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:360-1, 1968 (Fre)
[Implantation of the appendix in correction of sterility] Mladenovic D, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:364-6, 1968 (Fre)
[Ovaro-uterine implantation. Experimental study] Panopoulos C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:361-4, 1968 (Fre)
[Laparoscopic hystero-ligamentopexy in 3d-degree prolapse (first cases). Contribution on laparoscopic surgery] Kapandji M.
Gynecol Obstet (Paris) 69:551-60, Nov-Dec 70 (Fre)
[Conservative surgery of the uterus] Andreoli C.
Minerva Ginecol 22:724-8, 15 Aug 70 (Ita)
[How we improved our results in salpingoplasties and metroplasties] Valle G, et al.
Minerva Ginecol 22:719-23, 15 Aug 70 (Ita)
[Immediate and remote results of ligation of uterine vessels during postpartum hemorrhage] Tsirul'nikov MS. Akush Ginekol (Mosk) 46:59-61, Jul 70 (Rus)

TRANSPLANTATION

[Total autologous transplatation of the uterus in the female dog. Technical, clinical and anatomical study of 15 cases] Chiapponi PL, et al.
Acta Otorhinolaryngol Belg 23:275-92, 1969
Ovarian function in uteroovarian homotransplantation. Mattingly RF, et al.
Am J Obstet Gynecol 106:773-94, 1 Nov 70
Uterine transplantation in dogs. Scott JR, et al.
Gynecol Invest 1:140-8, 1970
Uterine autotransplantation to the abdominal wall in the guinea-pig. Bland KP.
J Endocrinol 48:615-20, Dec 70
Transplantation of the primate uterus. Scott JR, et al.
Surg Gynecol Obstet 133:414-8, Sep 71
[Auto- and homotransplantation of uterine cornua and oviducts in rabbits] Tachezy R, et al.
Cesk Gynekol 36:129-31, Apr 71 (Cze)
[Allogenic transplantation of the uterus and the ovaries] Ravina JH, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:369-70, 1968 (Fre)
[Total homotransplantation of the internal genitalia in the female dog] Ravina JH, et al.
Gynecol Obstet (Paris) 70:45-9, Jan-Feb 71 (Fre)
[Total autologous transplantation of the uterus in the female dog. Technical, clinical and anatomical study of 15 cases] Chiapponi PL, et al.
J Chir (Paris) 101:275-92, Mar 71 (Fre)
[Transplantation of female genitalia. Experiments in female dogs] Magli G, et al.
Minerva Ginecol 21:829-36, 15 Jul 69 (Ita)

UTILIZATION REVIEW (N4)

The extent of role differentiation among hospitals. Lave JR, et al. Health Serv Res 6:15-38, Spring 71
Developing a system for utilization review and evaluation in community mental health centers. Riedel DC, et al.
Hosp Community Psychiatry 22:229-32, Aug 71
Maine's physicians look to the 1970's. An analysis of physician attitudes regarding prepaid group practice, utilization and peer review, and the performance of Maine's health care system. Merrill MJ, et al.
J Maine Med Assoc 62:74-7, Apr 71
What utilization review will and won't do. Anderson OW. Med Hosp 116:97-100, Jan 71
Utilization review may be more effective and less painful than first believed. Rourke AJ.
Med Hosp 117:137, Aug 71
The method might not work--but it still hasn't been tried. Med Hosp 115:73 passim, Nov 70
Plan for time related utilization review system. Angelides AP. N Engl J Med 284:Suppl:82-7, 20 May 71

UTOPIAS (K)

The ideal psychoanalytic institute: a utopia. Freud A.
Bull Menninger Clin 35:225-39, Jul 71
Man's future and the "secret of life". Strauss BS.
Perspect Biol Med 14:43-52, Autumn 70
The history and meaning of California: a psychoanalytic inquiry. Niederland WG. Psychoanal Q 40:485-90, 1971

UTRICLE see under LABYRINTH (A9)

UVA URSI (B6)

Sugar absorption in rats with intestinal blind loops. Gracey M, et al. Arch Dis Child 45:714-5, Oct 70

UVEA (A9)

Malignant melanomas of the human uvea. Recent follow-up of cases in Denmark, 1943-1952. Jensen OA.
Acta Ophthalmol (Kbh) 48:1113-28, 1970
Malignent melanomas of the human uvea. Recent follow-up of cases in Denmark, 1943-1952. Jensen OA.
Acta Ophthalmol (Kbh) 48:1113-28, 1970
Glaucoma mechanisms in ocular malignant melanomas. Yanoff M. Am J Ophthalmol 70:898-904, Dec 70
The uvea. Schlaegel TF Jr.
Arch Ophthalmol 85:624-35, May 71 (162 ref.)
Von Recklinghausen's disease and melanoma of the uvea. Nordmann J, et al.
Br J Ophthalmol 54:641-8, Oct 70
[Malignant melanoma of the uvea. Studies on histological classification and prognosis] Mesewinkel F. Klin Monatsbl Augenheilkd 156:349-62, Mar 70 (Ger)
[Melanoblastomas of the uvea in their relation to age of the patient] Timm G, et al.
Z Alternsforsch 23:251-5, 1971 (Ger)
[Ocular sarcoidosis] Volpi U, et al.
Ann Ottalmol Clin Ocul 95:641-64, Aug 69 (Ita)
[Melanotic tumors of the uvea] Cantaboni A, et al.
Atti Accad Med Lomb 23:96-102, Jan-Mar 68 (Ita)
[Significance of external exposure of the uvea in the development of sympathetic ophthalmia and indication for exenteration of the involved eye] Ikui H. Folia Ophthalmol Jap 21:659-60, Sep 70 (Jap)
[Uveo-scleral routes of aqueous humor outflow in cynomologus monkey (Macacairus)] Inomata H.
Folia Ophthalmol Jap 22:311, May 71 (Jap)
[Intrabulbar metastases of malignant melanoma of the uveal tract. (Anatomo-pathological studies)] Abramowicz I. Klin Oczna 41:163-4, 1971 (Pol)
[Characteristics of cryoextraction of complicated uveal cataract] Eroshevskiĭ TI, et al.
Oftalmol Zh 26:3-7, 1971 (Rus)
[Ultrasonic diagnosis of melanoblastomas of the eye uveal tract] Marmur RK, et al.
Oftalmol Zh 25:122-6, 1970 (Rus)
[Tonographic studies in diseases of the uveal tract] Maslova MS. Oftalmol Zh 25:457-8, 1970 (Rus)
[Sensitivity of the cornea in diseases of the uveal tract] Radzikhovskiĭ BL, et al.
Oftalmol Zh 26:102-4, 1971 (Rus)

ABNORMALITIES

Uveal colobomata and other anomalies in three generations of one family. Collum LM.
Br J Ophthalmol 55:458-61, Jul 71
Uveal coloboma and true Klinefelter syndrome. François J, et al. J Med Genet 7:213-23, Sep 70

ANALYSIS

[The incidence of calcium salt deposits in the uvea] Timm G. Z Alternsforsch 23:385-9, 1971 (Ger)

BLOOD SUPPLY

Aqueous leakage through the uveal vessels--a factor in choroidal detachment? Rosengren B.
Acta Ophthalmol (Kbh) 48:901-4, 1970
Blood flow and oxygen extraction in the cat uvea at normal and high intraocular pressures. Alm A, et al.
Acta Physiol Scand 80:19-28, Sep 70

IMMUNOLOGY

[Antibodies against the uvea] Martenet AC.
Bull Mem Soc Fr Ophtalmol 83:97-101, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

METABOLISM

[Histochemical studies on sugar metabolism of alloxan-diabetic rabbit eye. Glycogen metabolism and ATPase activity of the anterior segment] Takano M. Acta Soc Ophthalmol Jap 74:1263-8, Sep 70 (Jap)
[Age characteristics of the penetrability and renovation of amino acids (S 35-methionine) in the uveal tract and retina of the eye] Cherevichnaia EV. Oftalmol Zh 25:132-4, 1970 (Rus)

PATHOLOGY

Intra-ocular malignant melanoma in domestic cats. Bellhorn RW, et al.
Trans Ophthalmol Soc UK 89:321-33, 1970
[Uveo-retinal lesions in myotonic dystrophy. Histological study] Houber JP, et al.
Ann Ocul (Paris) 203:1067-76, Dec 70 (Fre)
[The ultrastructure of choriocapillaris-Bruch's membrane in human diabetic] Miyake K, et al. Acta Soc Ophthalmol Jap 74:1121-8, Sep 70 (Jap)
[Comparative histopathology of xenon-arc photocoagulation, cryosurgery and diathermy coagulation. An electron microscopic study (preliminary report)] Ikui H, et al.
Folia Ophthalmol Jap 21:764-75, Nov 70 (Jap)

PHYSIOLOGY

Studies in uveal physiology. II. Clinical studies of the anterior chamber clearance of isotopic tracers. O'Rourke J, et al. Arch Ophthalmol 84:415-20, Oct 70

RADIOGRAPHY

[Further indications for fluorescein angiography of the anterior segment of the eye] Amalric P, et al.
Ann Ocul (Paris) 204:455-68, May 71 (Fre)

SURGERY

[Sclerouvectomy with a single-stage scleral homoplasty in tumors of the uveal tract (surgical technic and immediate results)] Volkov VV, et al.
Vestn Oftalmol 4:10-6, 1970 (Rus)

UVEITIS (C11)

Corneal thickness during corneal homograft rejection and uveitis in rabbits. Capella JA, et al.
Am J Ophthalmol 72:383-9, Aug 71
The uvea. Schlaegel TF Jr.
Arch Ophthalmol 85:624-35, May 71 (162 ref.)
What is uveitis? Giles CL.
Eye Ear Nose Throat Mon 49:508-9, Nov 70
A case of gumma of the ciliary body. Kalidasan CS.
J All India Ophthalmol Soc 18:33-6, Apr 70
Metastatic endophthalmitis: a report of 3 cases in proven septicemia. Jarrett WH 2d, et al.
South Med J 64:194-8, Feb 71
[Uveitis] Campinchi R.
Arch Ophtalmol (Paris) 31:461-70, May 71 (62 ref.) (Fre)
[Aqueous humor proteins in uveitis. Methods of study] Gelmi P, et al.
Bull Mem Soc Fr Ophtalmol 83:118-24, 1970 (Fre)
[Abscess of the vitreous body, an unusual form of post-traumatic uveitis] Wolliez M, et al.
Bull Mem Soc Fr Ophtalmol 82:251-60, 1969 (Fre)
[Uveal inflammation. Considerations after 20 years of observation in a sanatorium] Scouras J, et al.
Ophthalmologica 163:11-20, 1971 (Fre)
[Heerfordt syndrome] Koch H, et al.
Dtsch Zahn Mund Kieferheilkd 55:21-9, Aug 70 (Ger)
[Uveitis in adults and children] Janotka H, et al.
Klin Oczna 41:305-8, 1971 (Pol)

BLOOD

Elevated heparin-precipitable fraction (HPF) in patients with uveitis. Balis MS, et al.
Arch Ophthalmol 85:548-52, May 71
ABO blood groups and their secretor status in patients with uveitis. Oda I. Ophthalmologica 162:298-307, 1971
[Blood protein spectrum in uveitis] Tarasikova OI.
Oftalmol Zh 25:380, 1970 (Rus)

CHEMICALLY INDUCED

Uveitis in association with topically administered corticosteroid. Krupin T, et al.
Am J Ophthalmol 70:383-5, Dec 70
[Antilymphocytic globulins and corticosteroids in experimental uveitis in rabbits] Campinchi R, et al.
Bull Mem Soc Fr Ophtalmol 82:232-42, 1969 (Fre)
[Intravitreal administration in the study of experimental physiopathology of the retina. II. Effects of iodoacetic acid] Ponte F, et al.
Ann Ottalmol Clin Ocul 94:477-89, May 68 (Ita)
[Experimental study on the uveitis induced by injection of cholesterin crystal into the common carotid artery] Nakamura K.
Acta Soc Ophthalmol Jap 74:1067-93, Sep 70 (Jap)

COMPLICATIONS

Cytology of inflamed aqueous humor in patients with rheumatoid arthritis. Wirostko E, et al.
Am J Clin Pathol 54:369-73, Sep 70
Pathogenesis of glaucoma and endothelial changes in herpetic kerato-uveitis in rabbits. Townsend WM, et al. Am J Ophthalmol 71:904-10, Apr 71
Rubeosis iridis. Anderson DM, et al.
Can J Ophthalmol 6:183-8, Jul 71
Ocular sarcoidosis. Jackson H.
Postgrad Med J 46:501-4, Aug 70
[Retinal segmental periarteritis] François J, et al.
Ann Ocul (Paris) 202:233-40, Mar 69 (Fre)
[Tuberculinic hypersensitivity in uveitis and allergic sclerokeratitis] Baudry M, et al.
Rev Fr Allergol 9:171-8, Jul-Sep 69 (Fre)
[Vogt-Koyanagi syndrome, uveitis and hearing disorders] Hülse M, et al. HNO 19:175-9, Jun 71 (Ger)
[Idiopathic uveoneuraxitis: description of a case of Fuchs' cyclitis with neuraxitis symptomatology] Scotti G.
Riv Otoneuroftalmol 44:225-35, May-Jun 69 (Ita)
[Broadening of indications for eye surgery in patients with sequelae of endogenous uveitis] Pakhomova AI, et al. Oftalmol Zh 26:10-5, 1971 (Rus)
[Technic of intra-capsular extraction of cataracts developing after plastic uveitis] Puchkovskaia NA.
Oftalmol Zh 26:7-10, 1971 (Rus)
[Vogt-Koyanagi-Harada syndrome] Centurión VA, et al.
Arq Bras Oftalmol 33:19-32, 1970 (Spa)

DIAGNOSIS

Diagnosis of cryptococcal uveitis with hypertonic media. Grieco MH, et al.
Am J Ophthalmol 72:171-4, 30 Jul 71
A review of selected 1970 literature on pathology of the uveal tract. Woodruff ME.
Am J Optom 48:439-45, May 71
[Diagnostic problems of neonatal uveitis] Martenet AC.
Bull Mem Soc Fr Ophtalmol 81:274-81, 1968 (Fre)
[Electrooculographic findings in uveitis] Wehner F, et al. Ber Dtsch Ophthalmol Ges 70:161-5, 1970 (Ger)
[Functional criteria and early results of the centre for the diagnosis and treatatment of uveal inflammations of the eye clinic at the University of Rome] Moschini GB. Boll Ocul 48:340-51, May 69 (Ita)

DRUG THERAPY

Retrobulbar administration of steroids in herpes simplex uveitis. Efficacy of treatment in rabbits. Bohigian G, et al. Arch Ophthalmol 85:320-8, Mar 71
The treatment of toxoplasmic uveitis. Gordon DM.
Int Ophthalmol Clin 10:639-46, Fall 70
Delayed-type hypersensitivity to beta-hemolytic streptococci in patients with recurrent uveitis and its therapy by means of streptococcus vaccines. Hána I, et al. Zentralbl Bakteriol [Orig] 214:377-82, 1970
[Therapy of endogenous intraocular inflammation with azathioprine] Černý M.
Cesk Oftalmol 27:159-61, May 71 (Cze)
[Treatment of hypertensive uveitis and of post-inflammatory glaucoma] Weekers R.
Ann Ocul (Paris) 202:177-9, Feb 69 (Fre)
[Value of immunosuppressive agent-corticotherapy combination in a case of Harada's disease] Mawas E, et al. Bull Mem Soc Fr Ophtalmol 83:147-52, 1970 (Fre)
[Observations on immunosuppressive therapy of chronic eye inflammations] Thomann H, et al.
Ber Dtsch Ophthalmol Ges 70:176-9, 1970 (Ger)
[The treatment of endogenous uveitis with antimetabolites] Utermann D.
Ber Dtsch Ophthalmol Ges 70:182-6, 1970 (Ger)
[Etiologic and therapeutic problems of uveitis] Wohlschlag M.
Rev Med Suisse Romande 90:855-60, Nov 70 (Ger)
[Results obtained with the use of Chloronaphthine and Imuran in some cases of uveitis] Cappelli L, et al.
Minerva Oftalmol 11:214-22, Nov-Dec 69 (Ita)
[Use of urokinases in some types of inflammation of the anterior segment] Diotti G, et al.
Minerva Oftalmol 11:37-42, Mar-Apr 69 (Ita)
[Use of electrophoresis of enzymes and other drugs in inflammatory diseases of the vascular tract] Katorgina OA, et al. Oftalmol Zh 25:489-94, 1970 (Rus)
[Use of nitrous oxide in the treatment of endogenous iridocyclitis and uveitis] Shatilova RI, et al.
Vestn Oftalmol 6:80-2, Nov-Dec 70 (Rus)

ETIOLOGY

The fine structure of the vitreous base of the human eye and pathogenesis of pars planitis. Gärtner J.
Am J Ophthalmol 71:1317-27, Jun 71
Gnathostoma spinigerum: an unusual cause of ocular nematodiasis in the western hemisphere. Tudor RC, et al. Am J Ophthalmol 72:185-90, 30 Jul 71
[Uveitis of undetermined etiolog and parasitic appendicitis caused by Taenia saginata] Rousseau C, et al. Ann Ocul (Paris) 2:741-9, Jul 69
Endogenous immune uveitis. The role of serum sickness. Wong VG, et al.
Arch Ophthalmol 85:93-102, Jan 71
Endogenous uveitis in relation to stress--a clinical study. Sen DK.
Eye Ear Nose Throat Mon 50:108-10, Mar 71
Presumed etiologies of uveitis. Possible clues to subclinical systemic disease. Kaiser RJ, et al.
J Ky Med Assoc 69:270-4, Apr 71
Prophylactic treatment of recurrent attacks of uveitis due to 1. toxoplasmosis and 2. streptococci. Linton RG.
Trans Aust Coll Ophthalmol 1:88-9, 1969
[Phacolytic glaucoma and endophthalmitis phaco-anaphylactica] Manschot WA.
Ned Tijdschr Geneeskd 114:1478-80, 5 Sep 70 (Dut)
[A case of histoplasmosis] Swart H, et al.
Ned Tijdschr Geneeskd 115:155-7, 23 Jan 71 (Dut)
[Uveitis in pulmonary tuberculous patients. Clinical and therapeutic aspects] Bouzas A, et al.
Bull Mem Soc Fr Ophtalmol 83:139-46, 1970 (Fre)
[Unusual forms of toxoplasmic uveitis in the young] Campinchi R, et al.
Bull Mem Soc Fr Ophtalmol 81:266-73, 1968 (Fre)
[Anterior bilateral uveitis complicating serum sickness] Coles RS, et al.
Bull Mem Soc Fr Ophtalmol 83:67-70, 1970 (Fre)
[On traumatic uveitis in childhood] David M, et al.
Bull Mem Soc Fr Ophtalmol 82:274-81, 1969 (Fre)
[Uveitis and hypersensitivity to candidin] Miller HA, et al. Bull Mem Soc Fr Ophtalmol 82:323-31, 1969 (Fre)
[Post-contusional uveosis and uveitis] Remky H.
Bull Mem Soc Fr Ophtalmol 82:261-4, 1969 (Fre)
[Importance of allergologic investigation in diagnosis of uveitis] Algan B, et al.
Bull Soc Ophtalmol Fr 69:654-6, Jul-Aug 69 (Fre)
[Metastatic uveitis with fatal development] Asseman R, et al.
Bull Soc Ophtalmol Fr 69:860-2, Sep-Oct 69 (Fre)
[Recurrent, bilateral and hypertensive meningo-uveo-leukosis with hypopyon; its chemotherapy] Bouchat J, et al.
Bull Soc Ophtalmol Fr 69:800-8, Sep-Oct 69 (Fre)
[Uveitis and psoriasis] Legrand J, et al.
Bull Soc Ophtalmol Fr 69:88-91, Jan 69 (Fre)
[Oculo-articular syndrome in children (4 cases of uveitis in monoarthritis of the knee)] Lods F, et al.
Bull Soc Ophtalmol Fr 70:490-4, Apr 70 (Fre)
[Severe uveitis following cerclage (string syndrome)] Offret G, et al.
Bull Soc Ophtalmol Fr 69:531-5, May-Jun 69 (Fre)
[Clinical manifestations of endophthalmia phacogenetica] Quéré MA, et al.
Bull Soc Ophtalmol Fr 69:107-11, Jan 69 (Fre)
[Uveitis associated with septicemia due to Candida albicans] Royer J, et al.
Bull Soc Ophtalmol Fr 69:473-7, Apr 69 (Fre)
[The importance of allergic factors in the etiology of uveitis and chorioretinitis] Mastilović B.
Ber Dtsch Ophthalmol Ges 70:157-61, 1970 (Ger)
[Necrotizing retinitis in severe general diseases] Wallow I.
Ber Dtsch Ophthalmol Ges 70:55-8, 1970 (Ger)
[Result of the antistreptolysin reaction and demonstration of serum and aqueous rheumatoid factors in acute anterior uveitis] Schröder D, et al.
Klin Monatsbl Augenheilkd 158:795-801, Jun 71 (Ger)
[Etiologic and therapeutic problems of uveitis] Wohlschlag M.
Rev Med Suisse Romande 90:855-60, Nov 70 (Ger)
[South American blastomycosis: report of a case with ocular lesion] Dantas AM, et al.
Rev Bras Oftalmol 30:181-3, Jun 71 (Por)
[Hypertensive uveitis in the course of a leukosis] Cikstas de Mayorga E, et al.
Arch Oftalmol B Aires 45:336-7, Aug 70 (Spa)

IMMUNOLOGY

Immunoglobulins IgG, IgA and IgM in allergic diseases. Palma-Carlos AG, et al.
Acta Allergol (Kbh) 26:161-80, Jun 71
Atypical mycobacteria and uveitis. Weber JC, et al.
Am J Ophthalmol 72:167-70, 30 Jul 71
The participation of different types of streptococci of group A and of streptococci of other groups in delayed-type hypersensitivity in patients with recurrent uveitis. Hána I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:380-9, 1970
Delayed-type hypersensitivity to beta-hemolytic streptococci in patients with recurrent uveitis and its therapy by means of streptococcus vaccines. Hána I, et al. Zentralbl Bakteriol [Orig] 214:377-82, 1970
[Observation of inflamed eyes following influencing of the blood supply with possible relationship to immunological processes] Nordheim RW van.
Ned Tijdschr Geneeskd 114:1897-8, 7 Nov 70 (Dut)
[Uveitis. Immunologic and allergic phenomena. Annual report] Campinchi R, et al.
Ann Ocul (Paris) 204:517-27, May 71 (Fre)
[Detection of autoimmune activity of aqueous humor in recurrent endogenous uveitis by the lymphocyte activation test] Bonnet M, et al.
Bull Mem Soc Fr Ophtalmol 83:56-66, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Uveitis. Immunologic and allergic phenomena] Campinchi R, et al.
Bull Mem Soc Fr Ophtalmol 83:1-30, 1970 (Fre)
[Melanin of the uvea and autoimmunity] François J, et al. Bull Mem Soc Fr Ophtalmol 83:125-38, 1970 (Fre)
[Study of delayed hypersensitivity in the etiologic evaluation of uveitis] Saraux H, et al.
Bull Mem Soc Fr Ophtalmol 83:51-5, 1970 (Fre)
[Importance of immunologic phenomena in uveitis] Witmer R.
Bull Mem Soc Fr Ophtalmol 83:84-7, 1970 (Fre)
[Value of the level of lymphocyte transformation in uveitis] Bloch-Michel E, et al.
Presse Med 79:402, 20 Feb 71 (Fre)
[Physiopathology of uveitis. I. Mechanisms] Bloch-Michel E, et al.
Rev Fr Allergol 11:19-30, Jan-Mar 71 (Fre)
[Eye changes in autoimmune diseases] Witmer R.
Ber Dtsch Ophthalmol Ges 70:301-6, 1970 (Ger)
[Examinations on the auto-immunologic activity of the aqueous humor in recurrent endogenous uveitis using the lymphocyte activation test] Bonnet M, et al.
Klin Monatsbl Augenheilkd 158:325-9, Mar 71 (Ger)
[The anti globulin consumption test (AGC-test) in inflammatory and non inflammatory eye diseases] Kühl W, et al.
Klin Monatsbl Augenheilkd 158:379-83, Mar 71 (Ger)

METABOLISM

[Intraocular penetration of antibiotics into rabbit eye with purulent uveitis. 1. Penicillin] Nakatsue T.
Acta Soc Ophthalmol Jap 75:1231-5, 1971 (Jap)
[Intraocular penetration of antibiotics into rabbit eye with purulent uveitis. 3. Kanamycin] Nakatsue T.
Acta Soc Ophthalmol Jap 75:1240-3, 1971 (Jap)
[Intraocular penetration of antibiotics into rabbit eye with purulent uveitis. 4. Lincomycin] Nakatsue T.
Acta Soc Ophthalmol Jap 75:1244-7, 1971 (Jap)
[Intraocular penetration of antibiotics into rabbit eye with purulent uveitis. 2. Tetracycline] Nakatsue T.
Acta Soc Ophthalmol Jap 75:1236-9, 1971 (Jap)
[Iris extract in relation to ocular inflammation] Takao M.
Acta Soc Ophthalmol Jap 74:1094-9, Sep 70 (Jap)

MICROBIOLOGY

[Studies on leptospiral uveitis] Weder W.
Klin Monatsbl Augenheilkd 158:330-8, Mar 71 (Ger)

OCCURRENCE

[Change in endogenous eye inflammations during the past 20 years. Experience at the "Professor Dr. Georg Lenz" Eye Clinic in Masserberg] Heydenreich A.
Klin Monatsbl Augenheilkd 158:786-94, Jun 71 (Ger)
[Age dependency of uveitis] Timm G, et al.
Z Alternsforsch 23:243-9, 1971 (Ger)
[Factors influencing mono- or bilateral occurrence of uveitis] Carta F, et al.
Ann Ottalmol Clin Ocul 96:83-91, Feb 70 (Ita)
[Classified incidence of uveitis (1965-1969)] Araki Y.
Acta Soc Ophthalmol Jap 75:389-99, 20 Jan 71 (Jap)

PATHOLOGY

The effect of structural alteration on anterior ocular inflammation. Aronson SB, et al.
Am J Ophthalmol 70:886-97, Dec 70
Sporotrichum schenckii endophthalmitis. Cassady JR, et al. Arch Ophthalmol 85:71-4, Jan 71
Intraocular sporotrichosis. Report of a case. Levy JH.
Arch Ophthalmol 85:574-9, May 71
Ultrastructural studies on uveitis. Witmer R, et al.
Trans Ophthalmol Soc UK 90:565-74, 1970
[Pathological anatomy of endogenous uveitis] Hervouët F.
Ann Ocul (Paris) 202:1105-22, Nov 69 (Fre)
[Ultramicroscopy of iris biopsies in uveitis] Witmer R, et al. Bull Mem Soc Fr Ophtalmol 81:282-8, 1968 (Fre)
[Histopathologic considerations on some cases of uveitis] Caffi M, et al.
Ann Ottalmol Clin Ocul 96:283-90, Jun 70 (Ita)
[Cytological analysis of ocular and cutaneous lesions in Vogt-Koyanagi-Harada syndrome] Ikui H, et al.
Acta Soc Ophthalmol Jap 74:1100-6, Sep 70 (Jap)
[Electron microscopic studies on Vogt-Koyanagi-Harada syndrome and sympathetic ophthalmia with special reference to the melanocyte] Matsuda H.
Acta Soc Ophthalmol Jap 74:1107-12, Sep 70 (Jap)
[Electron microscopy of experimental uveitis. Mononuclear cell response] Segawa K.
Acta Soc Ophthalmol Jap 75:364-71, 20 Jan 71 (Jap)
[Langerhans cell of human corneal limbus in Vogt-Koyanagi-Harada syndrome, sympathetic ophthalamia, and oculo-cutaneous albinism] Sugiura S, et al.
Acta Soc Ophthalmol Jap 75:178-80, 20 Jan 71 (Jap)
[Case report of Vogt-Koyanagi-Harada's syndrome studied with electron microscope] Mimura M, et al.
Folia Ophthalmol Jap 21:617-31, Sep 70 (Jap)

PHYSIOPATHOLOGY

Altered vascular permeability in ocular inflammatory disease. Aronson SB, et al.
Arch Ophthalmol 85:455-66, Apr 71
[Physiopathology of uveitis. II. Clinical applications] Bloch-Michel E, et al.
Rev Fr Allergol 11:103-15, Apr-Jun 71 (Fre)
[The electroretinogram in uveitis, studies on the implicit time of each wave] Adachi E, et al.
Acta Soc Ophthalmol Jap 74:1557-60, Dec 70 (Jap)
[Electrophysiological studies on uveitis] Watanabe I, et al. Folia Ophthalmol Jap 22:399-400, Jun 71 (Jap)

RADIOGRAPHY

[Fluorescein angiography of the anterior chamber: initial clinical results] Déodati F, et al.
Bull Soc Ophtalmol Fr 69:1099-107, Dec 69 (Fre)

SURGERY

[Round table discussion on surgery of uveitis]
Arch Ophtalmol (Paris) 30:717-38, Oct 70 (Fre)

THERAPY

[Treatment of allergic uveitis by bacterial sensitization with perfusions of plasma from previously vaccinated patients] Bregeat P, et al.
Arch Ophtalmol (Paris) 31:15-28, Jan 71 (Fre)
[Treatment of uveitis with perfusions of plasma enriched with antibodies (preliminary note)] Hamard H, et al.
Bull Soc Ophtalmol Fr 70:655-6, May-Jun 70 (Fre)
[The treatment of caterpillar uveitis] Kolb H, et al.
Klin Monatsbl Augenheilkd 157:698-700, Nov 70 (Ger)

VETERINARY

Lens-induced uveitis and secondary glaucoma in a dog.
Fischer CA. J Am Vet Med Assoc 158:336-41, 1 Feb 71
[A case of keratoconjunctivitis and endogenous uveitis in an alligator] Maroit J, et al.
Dtsch Tieraerztl Wochenschr 77:190-2, 15 Apr 70 (Ger)

UVEOPAROTID FEVER see under SARCOIDOSIS

(C17)

UVULA (A3)

Tumor clinic proceedings. Case no. 30. Squamous cell carcinoma of the uvula in a patient with multiple previous squamous cell carcinomas of the respiratory tract. J Okla State Med Assoc 63:378-80, Aug 70
[Spontaneous pneumothorax revealing malignant tumors (apropos of pleural metastases from a cancer of the uvula)] Teyssier L, et al.
Rev Tuberc Pneumol (Paris) 35:281-90, Apr-May 71 (Fre)

ABNORMALITIES

Nasality and cleft uvula. Starr CD, et al.
Cleft Palate J 8:189-95, Apr 71
[Velum insufficiency; clinical and therapeutic aspects] Morgon A, et al. J Med Lyon 50:1625-45, 20 Nov 69 (Fre)

PHYSIOLOGY

[On the method of electromyographic examination of the velo-palatine, pharyngeal and laryngeal musculature] Asgian B, et al.
Stud Cercet Neurol 15:319-26, 1970 (Rum)

PHYSIOPATHOLOGY

[Electromyographic semiology of the velo-palatine, pharyngeal and laryngeal muscles] Asgian B, et al.
Stud Cercet Neurol 15:369-83, 1970 (Rum)

VACCINATION (E2)

Histopathological alterations in lungs of chickens immunized with irradiated Syngamus trachea larvae.
Varga I, et al. Acta Vet Acad Sci Hung 20:183-93, 1970
Vaccination against the canine hookworm diseases.
Miller TA. Adv Parasitol 9:153-83, 1971 (121 ref.)
Epidemiologic investigation of a smallpox outbreak in a town reported to be "100 per cent vaccinated". Morris L, et al. Am J Epidemiol 92:294-300, Nov 70
Vaccination for Pseudomonas aeruginosa. Alexander JW, et al. Am J Surg 120:512, Oct 70
Intradermal influenza immunization. Experience with Hong Kong vaccine. Marks MI, et al.
Am Rev Resp Dis 103:579-81, Apr 71
Vaccination for rubella. Hoffman JD.
Ann Intern Med 74:799, May 71
Change in cholera vaccination requirement.
Ann Intern Med 74:447, Mar 71
Studies on vaccination against Listeria infections.
Bartlema HC, et al.
Antonie van Leeuwenhoek 37:261-2, 1971
Adenoviral infection in military recruits. Rose HM, et al. Arch Environ Health 21:356-61, Sep 70
Some recent trends in vaccination against respiratory viruses. Tyrrell DA.
Br Med Bull 25:165-71, May 69 (67 ref.)
Success and failure in human virus disease. IV. Immunization. Stuart-Harris C.
Br Med J 1:446-8, 20 Feb 71 (23 ref.)
Jet vaccination. Br Med J 4:64-5, 10 Oct 70
Influenza vaccination, 1970-1971. Recommendations of the Public Health Service Advisory Committee on Immunization Practices.
Clin Pediatr (Phila) 9:631, Nov 70
Immunization--some current problems. Pollock TM.
Community Health (Bristol) 2:299-302, May-Jun 71
Vaccination for foreign travel. Roodyn L.
Community Health (Bristol) 2:291-8, May-Jun 71
Active immunotherapy of mouse RC 19 and E female K1 leukaemias applied after the intravenous transplantation of the tumour cells. Mathé G, et al.
Experientia 27:446-7, 15 Apr 71
Induction and regression of Friend leukemia in vaccinated mice by means of parabiosis. Takizawa K, et al. Gann 61:695-6, Dec 70
Rubella vaccine trial in children in Hawaii. Roth A.
Hawaii Med J 29:561, Sep-Oct 70
An epidemiological analysis of cancer vaccines. Higginson H, et al. Int J Cancer 7:565-74, 15 May 71
Vaccination against ovine foot-rot. Egerton JR, et al.
J Comp Pathol 81:179-85, Apr 71
Strategy of rubella vaccination. Chang TW.
J Infect Dis 123:224-5, Feb 71
Present status of measles and rubella immunization in the United States: a medical progress report.
Krugman S. J Pediatr 78:1-16, Jan 71
Cultural resistance to smallpox vaccination in West Africa. Challenor BD. J Trop Med Hyg 74:57-9, Mar 71
The influence of immunisation on the prevalence of measles in a rural community. Sofowora EO.
J Trop Pediatr 16:184-7, Dec 70
A rubella tarantella. Marcuse EK.
JAMA 214:2061, 14 Dec 70
Mass immunization of children in Iran with live attenuated Sugiyama measles virus adapted to calf kidney cell cultures. Mirchamsy H, et al.
Jap J Exp Med 41:39-48, Feb 71
Vaccination procedures. Cruickshank R.
Lancet 1:190, 23 Jan 71
Vaccination against pediatric illness caused by parainfluenza virus, respiratory syncytial virus and certain adenoviruses. Current status and perspective.
Parrott RH, et al. Med Ann DC 39:612-4 passim, Nov 70
Immunization against influenza. Gill PW, et al.
Med J Aust 1:768-9, 3 Apr 71
Rashness that may pay off.
Nature (Lond) 228:307-8, 24 Oct 70
Measles (rubeola) and rubella: (1) dangers of the layman's confusion (2) mass measles immunization.
Pediatrics 46:978-9, Dec 70
Vaccination of women with the Cendehill strain of rubella virus. MacDonald H, et al.
Practitioner 207:57-66, Jul 71
Cytotoxins in disease. 3. Antibodies against lymphocytes produced by vaccination. Kreisler MJ, et al. Transplantation 10:411-5, Nov 70
The effect of the smallpox eradication measles control programme on measles admissions to the Lagos infectious diseases hospital Yaba Nigeria. Smith EA, et al. West Afr Med J 19:51-6, Apr 70
Project: KIM (Kenya Immunization Mission).
Woman Physician 26:297-9, Jun 71
Studies on vaccination against cholera. VI. Toxicity of V. cholerae suspensions killed by various methods.
Joó I, et al.
Z Immunitaetsforsch Allerg Klin Immunol 139:265-76, Apr 70
The pattern of postvaccination changes in the lymphoid cell population of the spleen in chickens during their early ontogenesis (an autoradiographic study). Rodák L, et al. Zentralbl Veterinaermed [B] 17:924-34, Nov 70
[Current interpretation of tetanus prevention] Kiranov I. Khirurgiia (Sofiia) 23:468-74, 1969 (Bul)
[Measles vaccination with attenuated and live vaccine simultaneously with use of teh ADTP vaccine containing parapertussis component] Adam E, et al.
Cesk Epidemiol Mikrobiol Imunol 20:109-12, Mar 71 (Cze)
[Annual experience with measles vaccination] Sejda J, et al. Cesk Pediatr 26:189-92, Apr 71 (Cze)
[Technic and evaluation of the results of smallpox vaccination] Beunders BJ, et al.
Ned Tijdschr Geneeskd 115:945-8, May 71 (Dut)
[Vaccination against poliomyelitis] Dekking F.
Ned Tijdschr Geneeskd 115:612-4, 3 Apr 71 (Dut)
[Complex experimental study on anti-Salmonella typhi vaccination. Protective property of human and rabbit serums for the mouse and chick embryo] Dimache G, et al. Ann Inst Pasteur (Paris) 120:817-29, Jun 71 (Fre)
[Immunization by aerosols. VII. Vaccination of baboons by lyophilized tetanus anatoxin and by a mixture of tetanus and diphtheria anatoxin] Fontanges R, et al.
Ann Inst Pasteur (Paris) 120:831-48, Jun 71 (Fre)
[Should smallpox vaccination be abolished?] Dekking F. Ann Soc Belg Med Trop 50:465-70, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Problems raised by antipolio vaccination in industrial medicine] Vigneron J.
Arch Mal Prof 31:161-5, Mar 70 (Fre)
[Immunizing potency of diphtheria-tetanus-pertussis trivaccine relative to quantitative variations in the antigenic constituents. 3. Immunizing properties of diphtheria and tetanus anatoxins] Stănică E, et al.
Arch Roum Pathol Exp Microbiol 29:211-8, Mar 69 (Fre)
[Evolution, evaluation, duration and renovation of antitoxic immunity. 3. The renovation of immunities] Nicol L.
Bull Acad Natl Med (Paris) 155:260-7, 1971 (Fre)
[Active immunizaton and emission into the air of bacteria inoculated via pulmonary route] Bouley G, et al.
Bull Inst Natl Sante Rech Med 24:1419-30, Nov-Dec 69 (Fre)
[Smallpox vaccination in France. 1967] Martin-Bouyer G, et al.
Bull Inst Natl Sante Rech Med 25:817-30, Jul-Aug 70 (Fre)
[Vaccination against diphtheria, tetanus and poliomyelitis in France. 1967] Martin-Bouyer G, et al.
Bull Inst Natl Sante Rech Med 25:831-52, Jul-Aug 70 (Fre)
[Vaccinal situation in France. Year 1968] Martin-Bouyer G, et al.
Bull Inst Natl Sante Rech Med 26:345-97, Jan-Feb 71 (Fre)
[Current state of vaccinations] Cousin J.
J Sci Med Lille 88:549-53, Oct 70 (Fre)
[Change in the age of poliomyelitis occurrence: value of early vaccination; problems raised] Hermier M, et al.
Pediatrie 24:733-44, Sep 69 (Fre)
[Prevention of tetanus] Jeannet E.
Rev Med Suisse Romande 89:1091-6, Nov 69 (Fre)
[Advices to travellers going to tropical countries] Perin M.
Therapeutique 47:505-7, May 71 (Fre)
[The vaccination against rubella at Lariboisiere Hospital] Zourbas J, et al.
Therapeutique 47:53-8, Jan 71 (Fre)
[Typhoid vaccination from an immunological point of view] Günther O.
Arb Paul Ehrlich Inst 65:1-14, 1970 (Ger)
[Therapeutic modification of recurring herpes simplex by blood group selection?] Dietz O, et al.
Dermatol Monatsschr 155:700-8, 1969 (Ger)
[The use of a plastic wound dressing in smallpox vaccination] Lafrenz M.
Dtsch Gesundheitsw 26:702-4, 8 Apr 71 (Ger)
[Measles control--a possibility? Results and experiences with measles vaccination from 1967 to 1969 in the German Democratic Republic] Starke G, et al.
Dtsch Gesundheitsw 25:2384-90, 10 Dec 70 (Ger)
[Analysis and evaluation of 10-year work at an outpatient center for vaccination of persons travelling abroad, in an industrial district] Zimmermann B von, et al.
Dtsch Gesundheitsw 26:1229-33, 24 Jun 71 (Ger)
[Protection due to vaccination after tetanus immunization] Haas R.
Dtsch Med Wochenschr 95:2205, 23 Oct 70 (Ger)
[Sports following vaccination] Vivell O.
Dtsch Med Wochenschr 96:766-7, 23 Apr 71 (Ger)
[Vaccinia secundaria tarda] Farkas E, et al.
Kinderaerztl Prax 38:118-22, Mar 70 (Ger)
[Combination vaccination in children's homes with regard to measles vaccination] Schmöger R, et al.
Med Klin 66:194-8, 5 Feb 71 (Ger)
[Difficulties in pertussis vaccination] Ehrengut W.
Monatsschr Kinderheilkd 117:77-9, Feb 69 (Ger)
[Maternal-fetal transfer of vaccine antibodies] Sticki H, et al.
Monatsschr Kinderheilkd 118:606-8, Nov 70 (Ger)
[Rubella embryopathy: clinical picture differential diagnosis and significance] Althoff H.
Munch Med Wochenschr 112:2300, 11 Dec 70 (Ger)
[Most favorable age for smallpox vaccination. With consideration of "postvaccination" fatalities and convulsions] Ehrengut W, et al.
Munch Med Wochenschr 110:2291-300, 4 Oct 68 (Ger)
[The effectiveness of influenza inoculation. Serological testing of a polyvalent vaccine containing Hongkong A2 serum] Röllinghoff M, et al.
Munch Med Wochenschr 112:2178-82, 27 Nov 70 (Ger)
[Interval between the 1st and 2nd vaccination in case of oral polio vaccination?] Sticki H.
Munch Med Wochenschr 113:492, 26 Mar 71 (Ger)
[Duration of measles vaccination?] Sticki H.
Munch Med Wochenschr 113:743, 7 May 71 (Ger)
[Smallpox vaccination] Anders W.
Oeff Gesundheitswes 31:625-32, Dec 69 (Ger)
[Preventive influenza vaccination for 2 years in an industrial plant] Link F, et al.
Pathol Microbiol (Basel) 36:281, 1970 (Ger)
[Rubella vaccination of women in puerperium, contribution for prevention of rubella embryopathies] Goll H.
Wien Klin Wochenschr 83:632-6, 10 Sep 71 (Ger)
[The problem of rubella vaccination] Huber EG.
Wien Med Wochenschr 121:298-300, 10 Apr 71 (Ger)
[Vaccinations in higher age] Wiedermann G.
Wien Med Wochenschr 121:569-71, 31 Jul 71 (Ger)
[Influenza vaccination] Hennessen W.
Z Allgemeinmed 47:56-61, 20 Jan 71 (Ger)
[Proposal for vaccination index card suitable for documentation] Böhm H.
Z Gesamte Hyg 14:852-7, Nov 68 (Ger)
[Influence of homologous and heterologous vaccinia antibodies on the cutaneous vaccinia infection of the rabbit] Huber H, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:71-9, Jul 71 (Ger)
[Epidemiologic value of the catalytic growth curve for population immunity and vaccination studied on the model of a polio-type I epidemic in the Ruhr valley] Thraenhart O, et al.
Z Med Mikrobiol Immunol 156:175-93, 1971 (Ger)
[Intratypic differentiation of poliovirus strains isolated from sewage: consequences for the practise of oral vaccination] Kuwert E, et al.
Zentralbl Bakteriol [Orig] 215:16-25, 1970 (Ger)
[Experiments on vaccination of swine with monovalent ethylethylenimine (EEI)-diethylaminoethyl-dextran (DEAE-D) vaccines against foot-and-mouth disease of the virus type A and C] Wittmann G, et al.
Zentralbl Veterinaermed [B] 17:1058-63, Dec 70 (Ger)
[Experiments on vaccination of cattle with an ethylethylenimine (EEI)-diethylaminoethyi-dextran (DEAE-D) vaccine against foot-and-mouth disease of virus subtype O1] Wittmann G, et al.
Zentralbl Veterinaermed [B] 17:1067-8, Dec 70 (Ger)
[Experimental active and passive immunization against rubeola] Budai J, et al.
Orv Hetil 111:2767-72, 22 Nov 70 (Hun)
[Studies on the specific oral prevention of coli dyspepsia] Ranss K, et al.
Orv Hetil 112:723-8, 28 Mar 71 (Hun)
[Preventive vaccinations] Itri GB.
Ann Med Nav (Roma) 74:617-21, Sep-Oct 69 (Ita)
[Set-back in the production of antimeningococcal vaccine] Pacelli M.
Ann Med Nav (Roma) 75:591, Sep-Oct 70 (Ita)
[Antitubercular vaccination in Gargagno: report on 10 years of experience with Salvioli's diffusing vaccine] Lotti F.
Clin Pediatr (Bologna) 52:320-4, Jul 70 (Ita)
[Salvioli's antitubercular vaccination: primary social imporatnce in protection of the individual and the community] Spicciarelli DA.
Clin Pediatr (Bologna) 52:317-9, Jul 70 (Ita)
[Eradication of infectious diseases: theoretical aspects and operative principles] Di Raimondo F.
G Mal Infett Parassit 22:111-6, Feb 70 (Ita)
[Smallpox vaccination with a lyophilized vaccine, carried out in children population in the commune of Ortona in the 3-year period, 1967-1970] Pettorossi A, et al.
G Mal Infett Parassit 22:649-53, Sep 70 (Ita)
[Laryngovaccination and immunity through the respiratory tract: ancient and modern problems] Di Lauro E. Valsalva 45:333-40, Dec 69 (Ita)
[Symposium on problems involved in vaccination] Tagaya I, et al.
J Jap Assoc Infect Dis 45:229-35, Jun 71 (Jap)
[Smallpox vaccination] Tagaya I.
J Jap Med Assoc 65:729-39, 15 Mar 71 (Jap)
[Vaccination against measles] Ek E.
Tidsskr Nor Laegeforen 91:135-7, 20 Jan 71 (Nor)
[Vaccination against measles] Flugsrud L.
Tidsskr Nor Laegeforen 91:132-4, 20 Jan 71 (Nor)
[Smallpox vaccination] Gaustad V.
Tidsskr Nor Laegeforen 91:137-9, 20 Jan 71 (Nor)
[Vaccination against poliomyelitis] Orstavik I, et al.
Tidsskr Nor Laegeforen 91:129-32, 20 Jan 71 (Nor)
[Current status of vaccination in Chagas' disease] Fernandes JF.
Rev Bras Med 27:363-70, Jul 70 (Por)
[The effect of enteral vaccination on the radioresistance of mice] Murav'eva LI.
Biull Eksp Biol Med 65:44-6, May 68 (Rus)
[New procedural methods of studying oral and parenteral forms of biopreparations in animal experiments] Vorob'ev AA, et al.
Lab Delo 10:632-4, 1970 (Rus)
[Activity of oxidative enzymes and acid phosphatase in blood lymphocytes in children after administration of antigenic preparations] Komissarova IA, et al.
Pediatriia 49:31-6, Apr 70 (Rus)
[Combined immunization against tuberculosis and other infections] Aksenenko GR.
Probl Tuberk 48:8-12, 1970 (Rus)
[Comparative clinical characteristics of the cutaneous form of anthrax among adults and children vaccinated and unvaccinated with STI vaccine] Baigel'dieva AB.
Sov Zdravookhr Kirg 6:40-3, Nov-Dec 70 (Rus)
[Efficacy of anti-influenza vaccination during the period of an influenza epidemic] Cherniakov GA, et al.
Vopr Med Zh 11:46-8, Nov 70 (Rus)
[A comparative evaluation of the immunogenic activity of attenuated strains of rubella virus from the USA, Belgium and the USSR] Nifontova AI, et al.
Vopr Virusol 15:711-4, Nov-Dec 70 (Rus)
[The reactogenicity, harmlessness and immunologic effectiveness of the aerosol method of immunization against anthrax in a trial on humans] Gefen NE, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:81-5, Dec 70 (Rus)
[The role of massive gamma globulin doses in the prevention of epidemic hepatitis] Kamenskiĭ VA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:58-60, Sep 70 (Rus)
[Recording and planning of preventive vaccinations using punched cards] Kravchenko SS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:107-12, Dec 70 (Rus)
[Immunization of volunteers with attenuated M. pneumoniae strains] Prozorovskiĭ SV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:38-40, Nov 70 (Rus)
[Experience with organizing vaccination of children in the rural regions of the Russian Federation] Shabad AT, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:102-6, Sep 70 (Rus)
[Problem of eliminating respiratory tract infections] Shteĭnbakh AE.
Zh Mikrobiol Epidemiol Immunobiol 47:19-24, Oct 70 (Rus)
[The effect of massive active immunization against measles on the epidemic process] Tsipershteĭn MIa.
Zh Mikrobiol Epidemiol Immunobiol 47:56-8, Sep 70 (Rus)
[Combined use of cholera vaccination and anticholera serum globulin in experimental cholera infection] Urbanovich LIa, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:14-7, Sep 70 (Rus)
[Characteristics of immunoglobulins in brucellosis and vaccination] Vershilova PA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:100-5, Apr 70 (Rus)
[Measles vaccine]
Arch Argent Pediatr 68:79-81, May 70 (Spa)
[Vaccination in the treatment of Chagas' disease. Congress of Tropical Medicine (preliminary report)] Santana ET.
Hospital (Rio de J) 77:1979-85, Jun 70 (Spa)
[Immunizations] Ponce de León E.
Minerva Pediatr 22:1239-43, 23 Jun 70 (Spa)
[Norms o vaccination in the republic of Ecuador] Aroca Campodónico F, et al.
Rev Ecuat Hig Med Trop 26:141-63, May-Aug 69 (Spa)
[Immunity against diphtheria, tetanus and whooping cough. Serological control of 2 campaigns of triple vaccination] Ruiz Merino J.
Rev Sanid Hig Publica (Madr) 44:549-57, Jun 70 (Spa)
[Relation between viremia and sero-antibodies to the anti-yellow fever vaccination of persons vaccinated with strain 17D-EP] Santiago Actis A, et al.
Rev Sanid Milit Argent 69:51-63, Jan-Jun 70 (Spa)
[Our defense against small pox is an illusion] Lakartidningen 68:98-9, 6 Jan 71 (Swe)
[Reactivity to live measles vaccine of the ESHCH strain of the Academy of Medical Sciences, RSFS] Tsipershteĭn MIa.
Pediatr Akush Ginekol 4:25-8, Jul-Aug 70 (Ukr)
[Current views on the problem of active prevention of meningococcal disease] Skalova R.
Lijec Vjesn 92:1033-8, 1970 (Cro)
[Epidemiologic news] Arsić B, et al.
Vojnosanit Pregl 28:16-21, Jan 71 (Cro)

ADVERSE EFFECTS

Vaccination with RA 27-3 rubella vaccine. Buser F, et al.
Am J Dis Child 122:53-6, Jul 71
Possible alternatives to routine smallpox vaccination in the United States. Benenson AS.
Am J Epidemiol 93:248-52, Apr 71
Risks of smallpox vaccination complications in the United States. Lane JM, et al.
Am J Epidemiol 93:238-40, Apr 71
The case for abolishing routine childhood smallpox vaccination in the United States. Neff JM.
Am J Epidemiol 93:245-7, Apr 71
Frequency of arthralgia in women receiving one of three rubella vaccines. Monto AS, et al.
Arch Intern Med 126:635-9, Oct 70
The skin and vaccination against smallpox. Copeman PW, et al.
Br J Dermatol 84:169-73, Feb 71 (31 ref.)
Skin and vaccination against smallpox. MacCallum FO.
Br J Dermatol 84:602, Jun 71
A granulomatous reaction to a depot vaccine. Sarkany I.
Br J Dermatol 83:422-3, Sep 70
Fibrosarcoma at the site and immediately following small-pox vaccination. Archampong EQ, et al.
Br J Surg 57:937-8, Dec 70
Aluminium hydroxide granuloma. Erdohazi M, et al.
Br Med J 3:621-3, 11 Sep 71
Dysgammaglobulinaemia complicated by disseminated measles. Mawhinney H, et al.
Br Med J 2:380-1, 15 May 71
Complications of rubella immunization in children. Chin J, et al.
Calif Med 114:7-12, Mar 71
Smallpox vaccination after the first birthday--is anyone listening? Polk LD.
Clin Pediatr (Phila) 10:131-2, Mar 71
Inoculation leprosy subsequent to small-pox vaccination. Sehgal VN, et al.
Dermatologica 141:393-6, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Osteo-articular complications of smallpox vaccination. Singhal RK. J Indian Med Assoc 55:20-2, 1 Jul 70
Complications of smallpox vaccination, 1968: results of ten statewide surveys. Lane JM, et al. J Infect Dis 122:303-9, Oct 70
Complications of smallpox vaccination in Kentucky in 1968. Results of a statewide survey. Nitzkin JL, et al. J Ky Med Assoc 69:184-90, Mar 71
Joint involvement following vaccination for rubella. An unusual presentation in an adult. Deinard AS, et al. Minn Med 54:337-8, May 71
Complications of smallpox vaccination in Washington, 1968. Thompson RS, et al. Northwest Med 70:180-4, Mar 71
Problems of rubella vaccination in adult women. Delaney JJ. Rocky Mt Med J 67:53-6, Oct 70
Anaphylactoid reaction to typhoid-paratyphoid A and B vaccine. Khan RI. Trop Geogr Med 23:115-6, Mar 71
[Complications of polio vaccination with Sabin vaccine] Ammundsen E. Fra Sundhedsstyr 4:337-8, 25 Mar 68 (Dan)
[Compensation for vaccination complications] Daugaard J. Ugeskr Laeger 133:1517-8, 6 Aug 71 (Dan)
[Vaccination of asthmatic persons] Therond C. Maroc Med 49:226-30, Apr 69 (Fre)
[Malignant tumors--complications of scars caused by smallpox vaccinations] Geiser JD. Praxis 59:1158-61, 11 Aug 70 (Fre)
[Cerebral venous thrombosis and oral contraception] Rohmer F, et al. Rev Neurol (Paris) 124:33-53, Jan 71 (Fre)
[Contribution of electron microscopy to rapid diagnosis of a vaccinal penile lesion] Montplaisir S, et al. Union Med Can 99:653-6, Apr 70 (Fre)
[Dermatologic contraindications in prophylactic vaccination] Harnack K. Dtsch Gesundheitsw 25:2085-8, 29 Oct 70 (Ger)
[Some problems of postvaccination encephalitis. Report of 3 cases] Stein M. Dtsch Gesundheitsw 25:1134-7, 17 Jun 70 (Ger)
[Vaccination-induced lesions and vaccinia-vacciniation strains] Ehrengut W. Dtsch Med Wochenschr 96:1173-4, 2 Jul 71 (Ger)
[Vaccination complications and their immunological basis] Schmid F. Kinderaerztl Prax 37:261-9, Jun 69 (Ger)
[Accidental revaccination with an unusual course of illness. Case report] Bader RE, et al. Munch Med Wochenschr 113:677-9, 23 Apr 71 (Ger)
[Intracutaneous smallpox vaccination with a weak pathogenic vaccinia virus ("MVA virus")] Sticki H, et al. Munch Med Wochenschr 113:1149-53, 27 Aug 71 (Ger)
[Expert testimony in neural vaccination damage] Bierschenk H. Z Aerztl Fortbild (Jena) 65:50-3, 1 Jan 71 (Ger)
[Vaccination complications in travellers to tropical and foreign countries] Glätzel E. Z Gesamte Inn Med 24:Suppl:71-3, 1 Jan 69 (Ger)
[Provocation of an infection by protective vaccination. XII. Examples of provoked epidemics (provocation epidemics) from general epidemiology] Raettig H. Zentralbl Bakteriol [Orig] 203:326-65, 1967 (Ger)
[Statistical studies on pregnancy complications following foot and mouth vaccination in Bavaria 1967-1970] Baijer G, et al. Zentralbl Veterinaermed [B] 18:293-305, Jun 71 (Ger)
[On a case of Waterhouse-Friderichsen syndrome appearing shortly after antipoliomyelitic vaccination] Micciolo M. Fracastoro 62:502-11, Sep-Oct 69 (Ita)
[Vaccination against mumps] Cadrobbi P. G Mal Infett Parassit 22:292-3, Apr 70 (Ita)
[Anti-poliomyelitis vaccination] Cadrobbi P. G Mal Infett Parassit 22:273-8, Apr 70 (Ita)
[Anti-tetanus vaccination] Cadrobbi P. G Mal Infett Parassit 22:281-2, Apr 70 (Ita)
[Anti-diphtheria vaccination] Cadrobbi P. G Mal Infett Parassit 22:278-80, Apr 70 (Ita)
[Anti-measles vaccination] Cadrobbi P. G Mal Infett Parassit 22:285-9, Apr 70 (Ita)
[Smallpox vaccination] Cadrobbi P. G Mal Infett Parassit 22:265-73, Apr 70 (Ita)
[Anti-pertussis vaccination] Cadrobbi P. G Mal Infett Parassit 22:282-4, Apr 70 (Ita)
[Vaccination against rubella] Cadrobbi P. G Mal Infett Parassit 22:289-92, Apr 70 (Ita)
[Reactions and complications caused by preventive vaccinations] Del Campo A. G Mal Infett Parassit 22:249-63, Apr 70 (Ita)
[Complications due to oral poliomyelitis vaccination] Duvina PL, et al. G Mal Infett Parassit 22:307 passim, Apr 70 (Ita)
[Traffic accidents as an expression of "iatrogenic damage"] Bonifacio A, et al. Minerva Med 62:735-40, 24 Feb 71 (Ita)
[Distamycin A in the treatment of cutaneous localizations of herpes virus and of complications of jennerian vaccination] Scarzella M. Minerva Pediatr 22:1444-8, 14 Jul 70 (Ita)
[Complications of antismallpox vaccination: 1947-1967] Ulivelli A, et al. Riv Clin Pediatr 81:1163-7, Nov-Dec 68 (Ita)
[Incidents involved in vaccination] Shigeta S. J Jap Med Assoc 64:1315-9, Dec 70 (Jap)
[Current status of complications of smallpox vaccination] Hirayama M. Jap J Clin Med 29:1161-5, 1971 (Jap)
[Side reaction following smallpox vaccination] Kimura M. Jap J Clin Med 29:1166-71, 1971 (24 ref.) (Jap)
[Kaposi's varicelliform eruption caused by vaccinia virus in patients with pemphigus foliaceus. Report of 2 cases] Proença N, et al. An Bras Dermatol 45:353-8, Oct-Dec 70 (Por)
[Post-vaccinal encephalitis in an infant with latent herpes infection] Drăgănescu N, et al. Stud Cercet Inframicrobiol 21:385-9, 1970 (Rum)
[Effect of immunization with Candida albicans vaccine on fetal development] Zubzhitskiĭ IuN, et al. Arkh Patol 32:54-60, 1970 (Rus)
[Some data on the incidence of allergic reactions and the course of vaccinal process in healthy children and in those with reactivity changes] Bondarev VN, et al. Pediatriia 50:15-7, Jun 71 (Rus)
[New Soviet preparation, Metisazone, and its effect on the course of reaction to smallpox revaccination] Beliaev NV, et al. Zh Mikrobiol Epidemiol Immunobiol 48:70-2, Feb 71 (Rus)
[A trial of the preventive effect of methisazone upon smallpox vaccination of children with relative contraindications] Bondarev VN, et al. Zh Mikrobiol Epidemiol Immunobiol 47:22-6, Sep 70 (Rus)
[Reactogenic and sensitizing properties of cholera vaccine] Klots VI. Zh Mikrobiol Epidemiol Immunobiol 47:68-71, Mar 70 (Rus)
[The reactogenicity of dried oral typhoid vaccine] Meshalova AN, et al. Zh Mikrobiol Epidemiol Immunobiol 46:67-71, Oct 69 (Rus)
[New method of obtaining and clinical use of human anti-smallpox gamma globulin of directed action] Papko GF. Zh Mikrobiol Epidemiol Immunobiol 48:66-70, Feb 71 (Rus)
[Study of reactions to the Di-Te-A1 vaccine for adults] Petrović R. Srp Arh Celok Lek 98:569-78, Apr 70 (Ser)
[Neurological complications after the administration of newborn mouse brain antirabies vaccine] Held JR, et al. Bol Of Sanit Panam 71:50-9, Jul 71 (Spa)
[The side effects of the vaccination of 650 children against measles] Bengtsson B. Lakartidningen 68:2235-44, 5 May 71 (Swe)
[Morbidity in children of various physical conditions after diphtheria-, whooping cough- and tetanus immunization] Brium RM. Pediatr Akush Ginekol 4:23-5, Jul-Aug 70 (Ukr)

HISTORY

Immunization against infectious diseases. Evans DG. Br Med Bull 25:119-20, May 69
Jacobson v. Massachusetts 25 S. Ct. 358 (1905): compulsory vaccination. Fabro JA. Conn Med 34:654-5, Sep 70
[Marginal notes on the path followed in immunology: from the use of vaccination to the discovery of immunocompetent cells] Croizat P. Lyon Med 224:511-6, 1 Nov 70 (Fre)
[Ferenc Bene and the 1st smallpox vaccination in Budapest] (Bene F), Friedrich I. Orv Hetil 112:811-2, 4 Apr 71 (Hun)
[Haffkine--pioneer of prophylactic vaccination] (Haffkine WM), Kenéz J. Orv Hetil 111:2614-6, 1 Nov 70 (Hun)
[Historical review of rubeola vaccination] Tóth M. Orv Hetil 111:2763-6, 22 Nov 70 (Hun)
[50 years of work of the Pasteur Institute in Zagreb] Palmović S. Lijec Vjesn 92:789-95, Jul 70 (Cro)
[50 years of antirabies service in Croatia] Vodopija I, et al. Lijec Vjesn 92:797-8, Jul 70 (Cro)

INSTRUMENTATION

Jet vaccination. Darlow HM. Br Med J 4:554, 28 Nov 70
The introduction of jet injection mass vaccination into the national smallpox eradication program of Brazil. Millar JD, et al. Trop Geogr Med 23:89-101, Mar 71
Mass immunisation with tetanus toxoid using a multiple jet injector gun. Oyediran AB, et al. West Afr Med J 20:237-9, Apr 71
[Use of jet injectors for smallpox immunization. 2. Immunologic response to experimental intradermal jet injector administration of smallpox vaccine] Akatova-Shelukhina EM, et al. Vopr Virusol 15:313-6, May-Jun 70 (Rus)
[Use of a needleless syringe in anti-tularemia vaccination] Olsuf'ev NG, et al. Zh Mikrobiol Epidemiol Immunobiol 47:93-5, Apr 70 (Rus)

STANDARDS

The case for continuing "routine" childhood smallpox vaccination in the United States. Katz SL. Am J Epidemiol 93:241-4, Apr 71

VETERINARY

Persistence of virulent pseudorabies virus in herds of vaccinated and nonvaccinated pigs. Sabó A, et al. Acta Virol (Praha) 15:87-94, Jan 71
The effect of vaccination against bovine vibriosis on pregnancy rates in heifers in a northern Queensland beef herd. Allan PJ, et al. Aust Vet J 47:184-5, May 71
Immunization against Mycoplasma gallisepticum. Adler HE, et al. Avian Dis 14:763-9, Nov 70
Vaccination of goats with reduced doses of Rev. I Brucella melitensis vaccine. Alton GG. Res Vet Sci 11:54-9, Jan 70
Immunity to Dictyocaulus viviparus in calves. II. Vaccination with normal larvae or larvae attenuated by triethylene melamine (TEM) or x-irradiation and exposure to experimental challenge. Cornwell RL, et al. Res Vet Sci 11:560-3, Nov 70
Immunity to Dictyocaulus viviparus in calves. I. Exposure of larvae to triethylene melamine (TEM) and preliminary vaccination experiments. Cornwell RL, et al. Res Vet Sci 11:553-9, Nov 70
Immunity to dictyocaulus viviparus in calves. Vaccination with larvae attenuated by triethylene melamine (TEM) or x-irradiation and protection against field challenge. Cornwell RL, et al. Res Vet Sci 11:569-74, Nov 70
Experimental immunization of cattle against bovine keratoconjunctivitis. Bowen JM, et al. Tex Rep Biol Med 28:531-9, Winter 70
Newcastle disease. Gordon RF. Vet Rec 88:261-2, 6 Mar 71
[Vaccination against a cancerous disease: Mareck's disease in poultry] Brion A, et al. Bull Acad Natl Med (Paris) 155:99-105, 2 Feb 71 (Fre)
[Attenuation of a strain of Mycoplasma gallisepticum for vaccination against avian mycoplasmosis] Papageorgiou C. Bull Acad Vet Fr 43:363-70, Oct 70 (Fre)
[Vaccination against avian mycoplasmosis with attenuated living mycoplasmas (C.P. strain)] Papageorgiou C. Bull Acad Vet Fr 43:371-5, Oct 70 (Fre)
[Serologic and immunologic studies of the subtypes of foot-and-mouth disease virus. Influence of booster vaccination] Moreau Y, et al. Bull Off Int Epizoot 75:99-114, Mar-Apr 71 (Fre)
[Notes on bovine babesiosis and anaplasmosis in Madagascar. VI. Artificial premunization] Ullenberg G. Rev Elev Med Vet Pays Trop 24:23-35, 1971 (Fre)
[Evaluation of various methods for determining the potency of fowl pox vaccines] Szakmáry G. Arch Exp Veterinaermed 23:945-61, Nov 69 (Ger)
[Mycoses as complications of post vaccinal hypersensitivities following foot-and-mouth disease vaccination in cattle] Gedek B, et al. Berl Munch Tieraerztl Wochenschr 83:369-70, 1 Oct 70 (Ger)
[Prevention of bovine trichophytosis in large herds by active immunization] Kielstein P, et al. Monatsh Vet Med 25:334-7, 1 May 70 (Ger)
[Vaccination of cows with live Dessau Brucella abortus vaccine] Loepelmann H, et al. Monatsh Vet Med 26:129-33, 15 Feb 71 (Ger)
[Suggestion for outfitting the hypodermic needle with a counter after Dr. Bühner] Pietschmann, et al. Monatsh Vet Med 25:247-8, 15 Mar 70 (Ger)
[Active tetanus prevention in the horse and the duration of immunity] Löhrer J, et al. Schweiz Arch Tierheilkd 112:307-14, Jul 70 (Ger)
[Allergies of cattle with fatal consequence related to protective vaccinations against hoof-and-mouth disease in the Canton of Zurich] Marthaler A. Schweiz Arch Tierheilkd 112:125-9, Mar 70 (Ger)
[Forensic problems arising from vaccination against avian encephalomyelitis] Köhler H. Wien Tieraerztl Monatsschr 57:74-8, Feb 70 (Ger)
[Statistical evaluation of allergic reactions following vaccinations against foot-and-mouth-disease in 1968-69] Lorenz RJ, et al. Zentralbl Bakteriol [Orig] 216:448-65, 1971 (Ger)
[Study of the blood serum of sheep vaccinated against brucellosis] Abidzhanov MS, et al. Veterinariia 8:47-8, Aug 70 (Rus)
[Immunologic effectiveness of combined preparations in anaerobic infections] Aristov BM. Veterinariia 12:27-8, Dec 70 (Rus)
[Immunobiological reactivity of chicks vaccinated against pseudoplague] Niiazov FA, et al. Veterinariia 8:48-9, Aug 70 (Rus)
[Simultaneous vaccination of sheep against pox and anaerobic infections] Safarov IuB, et al. Veterinariia 11:74-6, Nov 70 (Rus)
[Changes in the organism of chickens after vaccination against pasteurellosis] Vertinskiĭ KI, et al. Veterinariia 11:66-7, Nov 70 (Rus)

VACCINATION ENCEPHALITIS see

ENCEPHALITIS, POST-VACCINAL (C10)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

VACCINE THERAPY (E2)

The release of histamine from blood corpuscles by antigen-antibody reactions. 3. The histamine release from whole blood before and after treatment of pollen allergic patients with staphylococcus vaccine.
Berqquist G, et al. Acta Allergol (Kbh) 25:360-4, Dec 70
Juvenile papilloma of the larynx. Oleske JM, et al.
Am J Dis Child 121:417-9, May 71
Immunotherapy of cancer in man. VII. Studies of patients with cancer of the alimentary tract.
Humphrey LJ, et al. Am J Surg 121:165-8, Feb 71
Immunotherapy for the patient with cancer. Humphrey LJ, et al. Ann Surg 173:47-54, Jan 71
Effect of immunotherapy on peripheral lymphocyte count. Pendergrast WJ Jr, et al.
Arch Surg 103:184-8, Aug 71
An experimental model of active immunotherapy preceded by cytoreductive chemotherapy. Amiel JL, et al. Eur J Cancer 6:557-9, Dec 70
Combination of immunotherapy and chemotherapy to experimental tumors in rats. Hosokawa M, et al.
Gann 62:57-60, Feb 71
Smallpox vaccination for chronic herpetic ulcers.
JAMA 214:762, 26 Oct 70
Tumour immunotherapy. Russo V, et al.
Lancet 1:1300, 19 Jun 71
Approaches to the control of viral infections in man.
Stevens DA, et al. Ration Drug Ther 5:1-5, Sep 71
Preliminary result of a new protocol for the active immunotherapy of acute lymphoblastic leukaemia: inhibition of the immunotherapeutic effect by Vincristine or Adamantadine. Mathé G, et al.
Rev Eur Etud Clin Biol 16:216-24, Mar 71
Effect of tumor vaccines in immunizing patients with cancer. Humphrey LJ, et al.
Surg Gynecol Obstet 132:437-42, Mar 71
Immunospecific regression of methylcholanthrene fibrosarcoma with the use of neuraminidase. Simmons RL, et al. Surgery 70:38-46, Jul 71
[Acne. Immunotherapy and choice of antibiotics] Výmola F, et al. Cesk Dermatol 46:28, Feb 71 (Cze)
[Therapy of female gonorrhea] Vojta M.
Cesk Gynekol 35:584, Nov 70 (Cze)
[Treatment of chronic bronchitis by vitamin-vaccino-balsamic compound] Michetti F.
Rev Med Suisse Romande 91:131-6, Feb 71 (Fre)
[The strategy of treatment of acute lymphoblastic leukemia. Combination of chemotherapy and immunotherapy: pursuit of remission from 1 to 2 years after stopping chemotherapy] Mathé G.
Therapeutique 45:154-5, Feb 69 (Fre)
[Immunotherapy of cancer. Experiments in the modification of tumor antigenicity] Mizukami T, et al.
Arch Geschwulstforsch 37:33-44, 1971 (Ger)
[Immunotherapy of cancer with BCG] Rieche K, et al.
Dtsch Gesundheitsw 25:1581-5, 20 Aug 70 (Ger)
[Immunotherapy of cancer] Nagel GA.
Praxis 59:1047-8, 21 Jul 70 (Ger)
[Influenza therapy in the practice] Wasilewski A.
Z Allgemeinmed 47:62-6, 20 Jan 71 (Ger)
[The effect of antiherpes vaccination in relation to corneal manifestations of herpes simplex] Lampis R, et al. Ann Ottalmol Clin Ocul 95:831-9, Oct 69 (Ita)
[Aerosol vaccine therapy of chronic catarrhal rhinopharyngitis in adults] Di Pinto D, et al.
Boll Mal Orecch Gola Naso 88:85-91, 1970 (Ita)
[Immunological prevention of tetanus in hospitals: practical notes] Di Rocco P. Ig Med 63:38-46, 1970 (Ita)
[Plethysmographic changes induced by vaccine pyretotherapy in subjects with post-phlebitic syndromes] Belardi P, et al.
Minerva Chir 23:1097-103, 31 Oct 68 (Ita)
[Therapy of meningitis caused by pseudomonas aeruginosa] Bolletti M, et al.
Minerva Neurochir 14:255-9, Apr-Sep 70 (Ita)
[Clinical and immunoglobulinic behavior of asthmatic children treated by desensitization with bronchoasthmatic vaccine] Barbero S, et al.
Minerva Pediatr 21:665-78, 21 Apr 69 (Ita)
[Bronchial asthma in childhood with special reference to vaccine therapy] Della Casa R, et al.
Minerva Pediatr 21:1596-603, Aug 69 (Ita)
[My experience with x-ray injuries and Maruyama vaccine] Sanada N.
J Jap Dent Assoc 23:985-9, Jan 71 (Jap)
[Early reactions in children with allergic diseases following treatment with Delbet's vaccine] Kotynia-Kaniewska D.
Otolaryngol Pol 24:515-22, 1970 (Pol)
[Preventive immunization and immunotherapy of Ehrlich carcinoma and Crocker sarcoma in mice] Zatula DG. Biull Eksp Biol Med 67:62-4, 1969 (Rus)
[Effect of BCG vaccination on albino mice with chronic open tuberculous infections and subsequent massive inoculation] Perel'man AE, et al.
Probl Tuberk 48:62-6, 1970 (Rus)
[Specific therapy of bronchial asthma] Adrianova NV, et al. Sov Med 32:84-91, Sep 69 (82 ref.) (Rus)
[Vaccine therapy of chronic forms of ornithosis] Bilibin AF, et al. Sov Med 33:24-7, Jul 70 (Rus)
[Experimental herpetic polyvaccine in the treatment of patients with chronic relapsing aphthous stomatitis] Lialina MI.
Stomatologiia (Mosk) 50:14-6, Jan-Feb 71 (Rus)
[Attempt to produce antineoplastic immunity in children with laryngeal papillomatosis] Il'in KV, et al.
Vestn Akad Med Nauk SSSR 26:11-8, 1971 (Rus)
[Experimental substantiation of complex immunotherapy using gonovaccine and pyrogenal] Bukharovich MN, et al.
Vestn Dermatol Venerol 44:46-50, Jul 70 (Rus)
[Use of leukocytic interferon in combination with herpetic polyvaccine in herpetic keratitis] Abadzhian GA, et al. Vestn Oftalmol 2:52-4, 1971 (Rus)
[Specific treatment of relapsing polypous rhinosinusitis] Kostrova IN, et al.
Vestn Otorinolaringol 33:55-7, Sep 70 (Rus)
[Immunologic basis for typhoid carrier state formation and methods of prevention] Bunin KV.
Zh Mikrobiol Epidemiol Immunobiol 47:5-10, Sep 70 (Rus)
[Immunological changes in Brucella-infected animals following vaccine therapy] El'chinova EA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:75-80, Feb 71 (Rus)
[Bifidobacteria and prospects of their use in disorders of bifidoflora in very young children] Goncharova GI, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:91-5, Jun 71 (Rus)
[Use of autovaccines in the treatment of various chronic diseases] Lipkin ME, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:71-3, Oct 69 (Rus)
[Vaccine therapy in rebellious intertrigo produced by Candida albicans] Navarro Sala P.
Actas Dermosifiliogr 61:87-90, Mar-Apr 70 (Spa)
[Immunotherapy of cancer] Lascano FD, et al.
Prensa Med Argent 58:75-91, 12 Mar 71 (156 ref.) (Spa)
[Immunotherapy of leukemia--a realistic clinical possibility?] Gahrton G.
Lakartidningen 68:1601-8, 31 Mar 71 (Swe)

VACCINES (D12)

The search for protective antigens. Smith H.
Br Med Bull 25:126-30, May 69 (65 ref.)
Efficacy and safety of bovein respiratory vaccines.
Dunlop RH. Can Vet J 11:193, Oct 70
Immunity against Nematospiroides dubius in CFW Swiss Webster mice protected by subcutaneous larval vaccination. Rubin R, et al. J Parasitol 57:815-7, Aug 71
Monod's new parish. Nature (Lond) 231:72, 14 May 71
Immunity to dictyocaulus viviparus in calves. Vaccination with larvae attenuated by triethylene melamine (TEM) or x-irradiation and protection against field challenge. Cornwell RL, et al.
Res Vet Sci 11:569-74, Nov 70
Immunity to Dictyocaulus viviparus in calves. II. Vaccination with normal larvae or larvae attenuated by triethylene melanime (TEM) or x-irradiation and exposure to experimental challenge. Cornwell RL, et al. Res Vet Sci 11:560-8, Nov 70
Immunity to Dictyocaulus viviparus in calves. I. Exposure of larvae to triethylene melamine (TEM) and preliminary vaccination experiments. Cornwell RL, et al. Res Vet Sci 11:553-9, Nov 70
Successful vaccination of lambs against infection with Taenia ovis using antigens produced during in vitro cultivation of the larval stages. Rickard MD, et al.
Res Vet Sci 12:401-2, Jul 71
Essays on immunization of mice with ultraviolet radiated virulent and aviruient culture forms of .Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 12:310-9, Sep-Oct 70
Inoculation with D(diphtheria), P(pertussis), T(tetanus), M(measles) or DPTMV(vaccinia) combined vaccine. Sagawa I, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:440-56, Nov 70
[The use of vaccines in light of modern immunologic insights] Cohen HH.
Pharm Weekbl 106:425-39, 4 Jun 71 (Dut)
[Immunization and related problems] Joncas J.
Union Med Can 100:1124-30, Jun 71 (Fre)
[Highly dispersive -Al 2 O 3 -aerosol as an adjuvant in preparation of inactivated viral or mixed vaccines] Grafe A. Arzneim Forsch 21:903-5, Jul 71 (Ger)
[Oral immunization with nonvial microorganism or their antigens. Immunogenicity of various inactivated S. typhimurium full antigens in the mouse protection test] Kordes I, et al.
Zentralbl Bakteriol [Orig] 217:242-53, Jun 71 (Ger)
[Influence of immunological factors on the antitumor action of 4-diphenylglioxal in Ehrlich ascites cancer] Melan F, et al.
Arch Ital Patol Clin Tumori 12:57-67, Jan-Jun 69 (Ita)
[Preventive immunization and immunotherapy of Ehrlich carcinoma and Crocker sarcoma in mice] Zatula DG. Biull Eksp Biol Med 67:62-4, 1969 (Rus)
[Norma o vaccination in the republic of Ecuador] Aroca Campodónico F, et al.
Rev Ecuat Hig Med Trop 26:141-63, May-Aug 69 (Spa)

ADMINISTRATION & DOSAGE

Immunization schedules. Br Med J 3:691-3, 19 Sep 70
Protection of mice against Nematospiroides dubius by subcutaneously administered larval vaccines. Lueker DC, et al. J Parasitol 54:1237-8, Dec 68
Resistance to intracellular infection in mice immunized with Toxoplasma vaccine and adjuvant. Ruskin J, et al.
J Reticuloendothel Soc 9:465-79, May 71
[Experimental testing of a "Bio-coorticoid" ointment for the treatment of skin infections] Buccelli A, et al.
G Ig Med Prev 10:553-66, Dec 69 (Ita)
[Laryngovaccination and immunity through the respiratory tract: ancient and modern problems] Di Lauro E. Valsalva 45:333-40, Dec 69 (Ita)
[Lysates of polyvalent vaccines in ophthalmology] Krudysz J. Klin Oczna 40:821-5, 1970 (Pol)

ADVERSE EFFECTS

Illness following accidental self-inoculation of Brucella abortus strain 19 vaccine. Guiasekharam J.
Med J Aust 2:642-3, 3 Oct 70
[Vaccination complications and their immunological basis] Schmid F.
Kinderaerztl Prax 37:261-9, Jun 69 (Ger)
[Histological lesions of the heart in dogs vaccinated with an avirulent strain of Trypanosoma cruzi] Menezes H. Rev Bras Med 26:281-3, May 69 (Por)

ANALYSIS

Determination of Tween 80 in tissue culture media, vaccines, and related products. Cucakovich NB.
Anal Biochem 40:183-6, Mar 71
[Free amino acids in unspecified vaccines: Delbet, panodin, neurovaccine and neoflamin] Iskierko J.
Med Dosw Mikrobiol 23:183-8, 1971 (Pol)

STANDARDS

Safety of vaccines. Perkins FT.
Br Med Bull 25:206-12, May 69 (25 ref.)
Federal laboratory testing requirements for canine vaccines. Goff MT.
J Am Vet Med Assoc 157:1901-3, 1 Dec 70
[Organization of an epidemiologic trial] Revenok ND.
Zh Mikrobiol Epidemiol Immunobiol 47:152-6, Aug 70 (Rus)

VACCINIA (C1)

Ocular vaccinia. Madden JG.
Trans Ophthalmol Soc UK 89:955-8, 1970
[Eczema vaccination in a 5-year-old child] Flerens F.
Arch Belg Dermatol Syphiligr 25:367-8, 1969 (Fre)
[Virus diseases of the external female genitals. 3. Innoculation vaccinia (localized accidental vaccinias, vaccinia vulvitis] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:37-40, 1 Apr 70 (Ger)
[Virologic and bacteriologic study in a case of vaccinial ocular lesions with negative anamnesis] Grasso A, et al. Minerva Oftalmol 11:22-4, Jan-Feb 69 (Ita)
[Vaccinia] Hatano H, et al.
Surg Ther (Osaka) 24:683-4, Jun 71 (Jap)

COMPLICATIONS

Chronic localized nonprogressive vaccinia during infectious hepatitis. Taylor WF, et al.
Am J Dis Child 121:420-2, May 71
Eczema vaccinatum in Darier's disease. Loeffel ED, et al. Arch Dermatol 102:451-6, Oct 70
Vaccinia in a patient with acne. May DG.
Br Med J 1:505-6, 27 Feb 71
Progressive vaccinia complicating lymphosarcoma. Dixon MF. J Pathol 100:53-67, Jan 70
[Kaposi's varicelliform eruption caused by vaccinia virus in patients with pemphigus foliaceus. Report of 2 cases] Proença N, et al.
An Bras Dermatol 45:353-8, Oct-Dec 70 (Por)
[A combination of vaccinial disease and moniliasis of the mucous membranes] Karnitskiĭ VI, et al.
Biull Eksp Biol Med 71:80-1, Mar-Apr 71 (Rus)

DIAGNOSIS

[Use of the electron microscope in the diagnosis of obscure virus infection s. Herpesvirus encephalitis and post-vaccinal keratitis] Löffler H, et al.
Pathol Microbiol (Basel) 36:324, 1970 (Ger)
[Use of the indirect hemagglutination test for vaccinia virus detection] Noskov FS, et al.
Vopr Virusol 15:614-8, Sep-Oct 70 (Rus)

DRUG THERAPY

Treatment with methisazone of complications following smallpox vaccination.
Jaroszyńska-Weinberger B.
Arch Dis Child 45:573-80, Aug 70
[Evaluation of the prophylactic and therapeutic effect of Bothropase in vaccinia in animals and man] Bassetti D, et al. G Mal Infett Parassit 21:950-3, Dec 69 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Effect of the product of benzoylation of streptomycin--undecabenzoylstreptomycin on the vaccinia virus] Goncharskaia TIa, et al.
Antibiotiki 15:1073-4, Dec 70 (Rus)
[Vaccinia of the eye. A case report] Jerić S, et al.
Srp Arh Celok Lek 98:933-6, Jun 70 (Ser)

ETIOLOGY

Eczema vaccinatum. Report of four cases by contact-infection. Treatment with methiasazone (Marboran). Grosfeld JC, et al.
Dermatologica 141:1-10, 1970
[Vaccinia secundaria tarda] Farkas E, et al.
Kinderaerztl Prax 38:118-22, Mar 70 (Ger)
[Vaccinia virus infection with eyelid and vulvar localization appearing after indirect contact with a recently vaccinated subject. Clinical and virological study] Piazza M, et al.
Riv Ist Sieroter Ital 44:59-63, Jan-Apr 69 (Ita)

IMMUNOLOGY

An autopsy case of progessive vaccinia associated with normal immunoglobulin levels. Maeda R, et al.
Acta Pathol Jap 20:513-29, Nov 70
Poxvirus phagocytosis in vivo: electron microscopy of macrophages, mast cells, and leukocytes. Padawer J.
J Reticuloendothel Soc 9:23-41, Jan 71
[Influence of homologous and heterologous vaccinia antibodies on the cutaneous vaccinia infection of the rabbit] Huber H, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:71-9, Jul 71 (Ger)
[Results of virological and immunological studies in children with complications following smallpox vaccination] Bondarev VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:72-7, Nov 70 (Rus)

MICROBIOLOGY

Influence of anti-leucocyte serum on intraperitoneal vaccinia virus infection of rats. Jandásek L.
Acta Virol (Praha) 14:467-73, Nov 70
[Isolation and characterization of cowpox virus] Kubin G.
Wien Tieraerztl Monatsschr 57:227-32, Jun-Jul 70 (Ger)

VETERINARY

Cowpox in okapis Okapia johnstoni at Rotterdam zoo. Zwart P, et al. Br Vet J 127:20-4, Jan 71
[Etiology of an outbreak of variolar disease among cattle and workers of a cattle-breeding farm] Voronenko IE, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:98-9, Jan 71 (Rus)

VACCINIA VIRUS (B4)

Structural changes observed in human blood after viral vaccination. Lavenda N.
Acta Virol (Praha) 15:249, May 71
Small-angle light scattering of bioparticles. 3. Vaccinia virus. Fiel RJ, et al.
Arch Biochem Biophys 141:547-51, Dec 70
Transfer RNA changes in HeLa cells after vaccinia virus infection. Clarkson SG, et al.
Biochim Biophys Acta 238:498-502, 27 May 71
Morphological changes and resistance to vaccinia virus induced in human amnion cells by yeast extract. Chakrabortty AS, et al.
J Med Microbiol 4:115-23, Feb 71
Poxvirus phagocytosis in vivo: electron microscopy of macrophages, mast cells, and leukocytes. Padawer J.
J Reticuloendothel Soc 9:23-41, Jan 71
Reactivation of heated vaccinia virus by UV-irradiated vaccinia virus. Duniap RC, et al.
Proc Soc Exp Biol Med 136:1-5, Jan 71
Freeze-drying of vaccinia virus grown on chick embryo membranes. Hedström KG.
Z Immunitaetsforsch Allerg Klin Immunol 139:245-52, Apr 70
[Attempt to establish a condition of interference between enteric viruses and vaccinia virus: note I] Stefanesco V, et al.
Arch Roum Pathol Exp Microbiol 28:137-47, Mar 69 (Fre)
[Is the intracutaneous vaccinia test specific?] Bodtländer D, et al.
Dtsch Med Wochenschr 96:820-3 passim, 7 May 71 (Ger)
[Intracutaneous smallpox vaccination with a weak pathogenic vaccinia virus ("MVA virus")] Stickl H, et al.
Munch Med Wochenschr 113:1149-53, 27 Aug 71 (Ger)
[Purifying the vaccinia virus vaccine by gel filtration] Stickl H, et al.
Zentralbl Bakteriol [Orig] 215:38-50, 1970 (Ger)
[Studies on reactivation in Poxvirus group. IV. Reactivation of so-called hot mutant of heat-inactivated vaccinia virus by so-called active cold mutant in Hep-2 cell culture at 41 degrees C] Mazur B.
Med Dosw Mikrobiol 22:257-67, 1970 (Pol)
[Features of DNA synthesis and the mitotic regime of a culture of RES cells (clone 1), infected by vaccinia virus] Zhdanov VM, et al.
Biull Eksp Biol Med 63:100-3, Nov 67 (Rus)
[Electrophoretic separation of basic proteins in cells infected by different viruses] Berezina ON, et al.
Dokl Akad Nauk SSSR 190:1225-8, 11 Feb 70 (Rus)
[The effect of interferon on induction of acid and alkaline DNA-ase in a cell culture infected with vaccinia virus] Linitskaia GL, et al.
Vopr Virusol 15:549-52, Sep-Oct 70 (Rus)
[Succinate dehydrogenase, NAD-H2- and NADP-H2-diaphorase activity in a culture of chick fibroblasts infected by vaccinia virus] Nosik NN, et al.
Vopr Virusol 15:275-7, May-Jun 70 (Rus)
["Rescue" of the rct40 plus-marker of vaccinia virus in different methods of inactivation of the donor virus] Sitnikov BS, et al.
Vopr Virusol 15:278-83, May-Jun 70 (Rus)

ANALYSIS

Intracellular structures containing vaccinia DNA: isolation and characterization. Dahl R, et al.
Virology 42:453-62, Oct 70

DRUG EFFECTS

Influence of anti-leucocyte serum on intraperitoneal vaccinia virus infection of rats. Jandásek L.
Acta Virol (Praha) 14:467-73, Nov 70
Inhibition of virus multiplication by some derivatives of pyridine- and pyrazinecarboxylic acid. Rada B, et al.
Acta Virol (Praha) 15:326-8, Jul 71
Inhibition of virus multiplication by selected isothiocyanates. Rada B, et al.
Acta Virol (Praha) 15:329-32, Jul 71
Evidence for a change in certain properties of vaccinia virus after trypsinization: heat inactivation or removal of a postulated trypsin-sensitive inhibitor on virions. Graves IL. Am J Vet Res 32:775-82, May 71
Inactivation of influenza and other viruses by a mixture of virucidal compounds. Oxford JS, et al.
Appl Microbiol 21:606-10, Apr 71
Biogenesis of vaccinia: effect of rifampicin on transcription. Pogo BG.
J Child Psychol Psychiatry 12:576-81, Jun 71
Antiviral effect of constituent parts of the rifampicin molecule. Follett EA, et al.
Nature (Lond) 230:117-8, 12 Mar 71
Antiviral activity of polyribocytidylic acid in cells primed with polyriboinosinic acid. De Clercq E, et al.
Science 173:260-2, 16 Jul 71
Assembly of virus particles during mixed infection with wild-type vaccinia and a rifampicin-resistant mutant. Moss B, et al. Virology 45:135-48, Jul 71
[Effect of chemical disinfectants on influenza, vaccinia and poliomyelitis viruses] Kewitsch A, et al.
Z Gesamte Hyg 16:687-91, Sep 70 (Ger)
[Effect of the product of benzoylation of streptomycin--undecabenzoylstreptomycin on the vaccinia virus] Goncharskaia TIa, et al.
Antibiotiki 15:1073-4, Dec 70 (Rus)
[Antiviral properties of fucidin] Goncharskaia TIa, et al. Antibiotiki 16:57-60, Jan 71 (Rus)
[Effect of rifampicin on the reproduction of DNA containing viruses in tissue culture cells] Goncharskaia TIa, et al.
Antibiotiki 16:295-8, 1971 (Rus)
[Effect of 5-bromouridine on the reproduction of vaccinia virus] Galegov GA, et al.
Biokhimiia 35:470-6, May-Jun 70 (Rus)

ENZYMOLOGY

The DNA polymerases of vaccinia virus-infected animal cells. Lazier C, et al. J Gen Virol 8:149-52, Aug 70
[Effect of inhibitors of vaccinia virus reproduction on deoxyribonuclease induction in tissue culture] Linitskaia LG, et al.
Vopr Virusol 16:155-9, Mar-Apr 71 (Rus)
[Inductor of deproteinization enzyme of vaccinia virus nucleocapsid] Peterson OP, et al.
Vopr Virusol 15:156-61, Mar-Apr 70 (Rus)

GROWTH & DEVELOPMENT

Infection of rabbit alveolar macrophages with a neurotropic vaccinia virus strain in vitro. Benda R, et al. Acta Virol (Praha) 14:353-61, Sep 70
Infection of rabbit alveolar macrophages with a dermotropic vaccinia virus strain in vitro. Danēs L, et al. Acta Virol (Praha) 14:363-8, Sep 70
Comparative studies on buffalo pox, vaccinia and cow pox viruses in hamster kidney cell cultures. Mathew T. Acta Virol (Praha) 14:513, Nov 70
Non-genetic reactivation of differently inactivated vaccinia virus. Rönn O, et al.
Arch Gesamte Virusforsch 32:291-8, 1970
Developmental forms of vaccinia virus in infected FL cell cultures. Biawat F, et al.
Bull Inst Mar Med Gdansk 22:79-83, 1971
The intracellular development of vaccinia virus as observed in freeze-etched preparations. Easterbrook KB, et al. Can J Microbiol 17:753-7, Jun 71
Substitution of 4-(2-hydroxyethyl)-1-piperazineethane sulfonic acid (HEPES) for bicarbonate in protein-free animal cell culture medium: application to vaccinia virus quantitation and fluorogenic acetylesterase assay in living LM cells. Medzon EL, et al.
Can J Microbiol 17:651-3, May 71
Nature of antiviral activity detected in some plant extracts screened in cell cultures infected with vaccinia & Ranikhet disease viruses. Babbar OP, et al.
Indian J Exp Biol 8:304-12, Oct 70
Morphology of experimental vaccinial superficial punctate keratitis--a scanning and transmission electron microscopic study. Matas BR, et al.
Invest Ophthalmol 10:348-56, May 71
The inhibition of vaccinia virus DNA synthesis in KB cells infected with frog virus 3. Aubertin AM, et al.
J Gen Virol 8:105-11, Aug 70
Events in vaccinia virus-infected cells following the reversal of the antiviral action of rifampicin. Pennington TH, et al. J Gen Virol 9:225-37, Dec 70
Interruption by Rifampin of an early stage in vaccinia virus morphogenesis: accumulation of membranes which are precursors of virus envelopes. Grimley PM, et al. J Virol 6:519-33, Oct 70
Inhibition of poxvirus maturation by rifamycin derivatives and related compounds. Pennington TH, et al. J Virol 7:821-9, Jun 71
Inhibition of Poxvirus replication by streptovaricin. Quintrell NA, et al. J Virol 6:485-91, Oct 70
Assembly of vaccinia virus particles from polypeptides made in the presence of rifampicin. Moss B, et al.
Virology 45:123-34, Jul 71
Assembly of virus particles during mixed infection with wild-type vaccinia and a rifampicin-resistant mutant. Moss B, et al. Virology 45:135-48, Jul 71
Biogenesis of vaccinia: separation of early stages from maturation by means of hydroxyurea. Pogo BG, et al.
Virology 43:144-51, Jan 71
[Effects of arginine deficiency on the replication of vaccinial virus] Obert G, et al.
C R Acad Sci [D] (Paris) 272:1705-8, 22 Mar 71 (Fre)

IMMUNOLOGY

Serological relationship of buffalopox virus to vaccinia and cowpox viruses. Kataria RS, et al.
Acta Virol (Praha) 14:307-11, Jul 70
Kinetics of the vaccinia virus plaque neutralization test. O'Brien TC, et al.
Appl Microbiol 21:968-70, May 71
Studies on the non-neutralizable fraction of vaccinia virus. Majer M, et al.
Clin Exp Immunol 7:283-91, Aug 70
Specific removal of host-cell or vaccinia-virus antigens from extracts of infected cells by polyvalent disulphide-linked immunosorbents. Birkbeck TH, et al. J Gen Virol 8:133-42, Aug 70
An hypothesis for the mechanism by which an hemagglutinin inhibitor affects vaccinia virus. Wilbie E, et al. Proc Soc Exp Biol Med 135:951-5, Dec 70
Effectiveness of an interferon stimulator in immunosuppressed mice. Worthington M, et al.
Proc Soc Exp Biol Med 136:349-53, Feb 71
The immunity to vaccina virus of Japanese people of different age groups: serum antibody titre and local skin reaction at the site of vaccination. Kitaoka M, et al. Progr Immunobiol Stand 4:683-91, 1970
Action of vaccinia virus on the reactivity of albino mice inoculated with pertussis vaccine. Pozzgi N, et al.
Z Immunitaetsforsch Exp Klin Immunol 142:129-35, Aug 71
[Enhancement of neutralization of vaccinia virus by antiglobulin] Weeke-Lüttmann M.
Arch Gesamte Virusforsch 31:28-32, 1970 (Ger)
[Maternal-fetal transfer of vaccine antibodies] Stickl H, et al.
Monatsschr Kinderheilkd 118:606-8, Nov 70 (Ger)

ISOLATION & PURIFICATION

[Vaccination-induced lesions and vaccinia-vacciniation strains] Ehrengut W.
Dtsch Med Wochenschr 96:1173-4, 2 Jul 71 (Ger)
[Isolation and characterization of cowpox virus] Kubin G.
Wien Tieraerztl Monatsschr 57:227-32, Jun-Jul 70 (Ger)
[Use of the indirect hemagglutination test for vaccinia virus detection] Noskov FS, et al.
Vopr Virusol 15:614-8, Sep-Oct 70 (Rus)

METABOLISM

Replication of vaccinia virus DNA in enucleated L-cells. Prescott DM, et al. J Mol Biol 59:505-8, 14 Aug 71
Mechanism of synthesis of vaccinia virus double-stranded ribonucleic acid in vivo and in vitro. Colby C, et al. J Virol 7:71-6, Jan 71
Vaccinia virus structural polypeptide derived from a high-molecular-weight precursor: formation and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

integration into virus particles. Katz E, et al. J Virol 6:717-26, Dec 70
Nuclear involvement poin xvirus infection. Walen KH. Proc Natl Acad Sci USA 68:165-8, Jan 71
An explanation for increased interferon production at low multiplicities of infection. Goorha RM, et al. Proc Soc Exp Biol Med 135:91-3, Oct 70
Synthesis of vaccinia virus "early" and "late" messenger RNA in vitro with nucleoprotein structures isolated from infected cells. Dahl R, et al. Virology 42:463-72, Oct 70
[Processes of realization of genetic information in human viruses] Gendon IuZ. Vestn Akad Med Nauk SSSR 24:67-79, 1969 (Rus)

PATHOGENICITY

Studies on RNA polymerase inhibitor formed in virus-infected cells. 3. Induction of inhibitor of cellular nucleic acid synthesis in vaccinia virus-infected cells. Balandin IG, et al. Acta Virol (Praha) 15:1-6, Jan 71
Pathology of carbohydrate metabolism in virus-infected cell cultures. I. Alterations of aldolase activity in cultures infected with vaccinia and mumps viruses. Golubev DB, et al. Acta Virol (Praha) 15:263-71, Jul 71
Pathology of carbohydrate metabolism in virus-infected cell cultures. II. Permeability of cell and mitochondrial membranes of chick embryo cells infected with mumps and vaccinia viruses. Golubev DB, et al. Acta Virol (Praha) 15:272-9, Jul 71
Histochemical studies of chick embryo chorio-allantoic membranes infected with vaccinia and smallpox viruses. I. Glycogen, glycoproteins and mucopolysaccharides. Towiańska A. Bull Inst Mar Med Gdansk 22:85-92, 1971
Tests for oncogenicity of viruses under conditions of altered host and virus. Larson VM, et al. Proc Soc Exp Biol Med 136:1304-13, Apr 71
Changes in the methylation of transfer RNA in vaccinia infected HeLa cells. Klagsbrun M. Virology 44:153-67, Apr 71
Expression of concanavalin A binding sites in rabbit kidney cells infected with vaccinia virus. Zarling JM, et al. Virology 45:313-6, Jul 71
Effects of vaccinia virus on the migration of rat peritoneal cells. Kihůfek J, et al. Zentralbl Bakteriol [Orig] 214:9-12, 1970
[Chromosomal aberrations in human lymphocytes in vivo and in vitro caused by vaccinia virus] Baldauf W, et al. Klin Wochenschr 49:260-3, 1 Mar 71 (Ger)
[Investigations on the thermostability of complete viruses. Otte P. Zentralbl Bakteriol [Orig] 217:441-5, Aug 71 (Ger)
[Cytopathogenic and transforming effect of infectious and oncogenic viruses in tissue culture] Zhudina AI, et al. Vopr Onkol 16:47-59, 1970 (Rus)

RADIATION EFFECTS

[Effect of caffeine on multiple reactivation and cross-reactivation of vaccinia virus] Sitnikov BS, et al. Dokl Akad Nauk SSSR 188:924-5, Oct 69 (Rus)

VACUOLATING AGENT see SV40 VIRUS (B4)

VACUOLES see under CYTOPLASM (A11)

VACUUM EXTRACTION, OBSTETRICAL see under EXTRACTION, OBSTETRICAL (E4)

VAGINA (A5)

Lochia and menstrual patterns in women with postpartum IUCD insertions. Hingorani V, et al. Am J Obstet Gynecol 108:989-90, 15 Nov 70
Pregnancy diagnosis in swine utilizing the vaginal biopsy technique. Mather EC, et al. J Am Vet Med Assoc 157:1522-7, 1 Dec 70
Spontaneous rupture of enterocele. Report of a case. Hunter RE, et al. Obstet Gynecol 36:835-9, Dec 70
[Intravaginal temperature determination] Scharner W, et al. Arch Phys Ther (Leipz) 22:355-9, Nov-Dec 70 (Ger)

ABNORMALITIES

Pelvic pneumography in congenital absence of the vagina. Armstrong MK, et al. Am J Roentgenol Radium Ther Nucl Med 112:807-9, Jul 71
Female hypospadias associated with unilateral renal agenesis and genital malformations. A case report. Cojasoni P, et al. J Med Assoc Thai 54:526-31, Jul 71
Vaginal construction in children with absent vagina and imperforate anus. Ein SH, et al. J Pediatr Surg 6:435-9, Aug 71
An abdomino-perineal-vaginal pull-through for definitive treatment of hydrometrocolpos. Ramenofsky ML, et al. J Pediatr Surg 6:331-7, Jun 71
Hydronephrosis secondary to vaginal atresia. Muangman V, et al. J Urol 106:140-1, Jul 71
Creation of a neovagina by the Frank nonoperative method. Wabrek AJ, et al. Obstet Gynecol 37:408-13, Mar 71
Hereditary hydrometrocolpos with polydactyly in infancy. Dungy CI, et al. Pediatrics 47:138-41, Jan 71
[Accretion of the labia minora in girls before sexual maturation] Bakürdzhiev D. Akush Ginekol (Sofiia) 9:315-9, 1970 (Bul)
[XXX syndrome in primary sterility associated with vagina subsepta and uterus septus] Blažek M, et al. Cesk Gynekol 35:407-9, Sep 70 (Cze)
[Uterine malformations of the Rokitansky-Kuster-Hauser type] Chelli M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:477-8, 1968 (Fre)
[Rokitanski-Kuster-Hauser syndrome] Ribon M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:336-8, Jun-Aug 69 (Fre)
[Asymmetric bicornuate uterus with bilateral cervico-vaginal agenesis] Ribon M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:331-6, Jun-Aug 69 (Fre)
[Thoughts on the treatment of vaginal aplasia] Serment H, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:181-3, Apr-May 69 (Fre)
[2 cases of Rokitanski-Küster-Hauser syndrome] Vitse M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 22:464-5, Sep-Oct 70 (Fre)
[History of a presumed torsion of an ovarian pseudocyst in a 14-year-old girl] Marcel JE. Gynecol Prat 22:59-64, 1971 (Fre)
[Urinary incontinence due to vaginal outlet of a sclero-atrophic kidney; value of vaginography] Fournier A, et al. J Sci Med Lille 87:253-8, Mar 69 (Fre)
[Surgical treatment of congenital vaginal aplasia: recto-colpoplasty by exclusion of the rectal ampulla and conservation of the anal canal] Soustelle J, et al. Lyon Chir 65:641-7, Sep-Oct 69 (Fre)
[Vaginoplasty in vaginal aplasia using reversed dermis flaps] Bruck H, et al. Arch Gynaekol 211:317-8, 4 Jun 71 (Ger)
[Estrogen effect on the epithelium of an artificial vagina formed from the colon] Győry G, et al. Arch Gynaekol 211:318-20, 4 Jun 71 (Ger)
[Vaginal aplasia and vaginoplasty using split skin grafts] Hentschel M, et al. Chirurg 41:375-7, Aug 70 (Ger)
[Vaginoplasty in aplasia vaginae by a reversed dermal graft] Bruck HG, et al. Geburtshilfe Frauenheilkd 31:409-15, May 71 (Ger)
[Plastic reconstructive surgery in vaginal atresia] Antoine T. Wien Klin Wochenschr 82:559-61, 31 Jul 70 (Ger)
[Experiences with skin-vaginal plastic surgery] Bruck HG. Wien Klin Wochenschr 82:562-5, 31 Jul 70 (Ger)
[Sigmoid vagina: technics and results] Zängl A. Wien Klin Wochenschr 82:561-2, 31 Jul 70 (Ger)
[Hematocolpos in uterus duplex with vagina duplex] Jäger G, et al. Zentralbl Gynaekol 92:1503-6, 7 Nov 70 (Ger)
[Results in Strassmann's operation] Kayser W. Zentralbl Gynaekol 93:231-3, 13 Feb 71 (Ger)
[Urologic complications in genital abnormalities] Krausse HD. Zentralbl Gynaekol 92:1002-4, 1 Aug 70 (Ger)
[An unusual disease association: Rokitanski syndrome and torsion of an ovarian cyst] Morgera P. Rass Int Clin Ter 49:1372-80, 15 Nov 69 (Ita)
[A case of primary tubal carcinoma associated with uterus duplex and vagina septa] Nowak D, et al. Pol Tyg Lek 26:443-4, 22 Mar 71 (Pol)
[Incomplete transverse septum in the upper part of the vagina] Jaworski E. Wiad Lek 23:1711-5, 1 Oct 70 (Pol)
[Congenital anomalies of the vagina] Lodovici O. Rev Hosp Clin Fac Med Sao Paulo 25:303-10, Sep-Oct 70 (Por)
[Rhomboid plastic repair of the transverse septum of the vagina] Artemov MD. Akush Ginekol (Mosk) 46:67-8, Oct 70 (Rus)
[Urocolpos in vaginal ectopia of the ureter of a hypoplastic kidney in an 8-month-old infant] Mikhel'son AI, et al. Urol Nefrol (Mosk) 35:67-8, Jul-Aug 70 (Rus)
[Absence of Mullerian structures and its repercussion on ovarian function. Endocrine and cytogenetic study] Ricaud L, et al. Ginecol Obstet Mex 29:281-5, Mar 71 (Spa)
[Vaginal agenesis. Surgical treatment using skin graft. Mc Indoe's method] Pataro VF, et al. Prensa Med Argent 56:1596-9, 17 Oct 69 (Spa)
[Case of female pseudohermaphroditism combined with uterine atresia] Rembez IM. Pediatr Akush Ginekol 1:61, Jan-Feb 69 (Ukr)

ANALYSIS

Cytochemistry of normal vaginal epithelium and under the effect of contraceptive pills in women. II. Topochemistry of nucleic acids and different proteins in normal vaginal epithelium. el-Fiky SM, et al. Acta Histochem (Jena) 39:58-68, 1971
The physical properties of the cervico-vaginal mucus of Hungarian cows during the oestrous cycle. el-Naggar MA, et al. Acta Vet Acad Sci Hung 21:21-9, 1971
The sugar content of the cervico-vaginal mucus of cattle during the sexual cycle, with special reference to fructose. el-Naggar MA, et al. Acta Vet Acad Sci Hung 21:15-20, 1971
The glycogen content of human vaginal epithelial tissue. Gregoire AT, et al. Fertil Steril 22:64-8, Jan 71
[Investigations concerning the estrogenic and antiestrogenic effect of gestagens, measured by the sialic acid content of the mouse vagina] Nishino Y, et al. Acta Endocrinol [Suppl] (Kbh) 152:73, 1971 (Ger)
[Glycogen of vaginal mucosa from the aspect of hormonal readiness for vaginal surgery] Simko J, et al. Cesk Gynekol 35:590-2, Dec 70 (Slo)

ANATOMY & HISTOLOGY

The epithelium of the vaginal introitus in the rat. Gitlin G. Anat Rec 169:201-6, Feb 71
[Colpometry, a method of studying the shape of the vagina] Roman C. Gynecol Prat 21:467-79, 1970 (Fre)
[The pelvic diaphragm, clitoris and vaginal vestibule of the bitch. I. The pelvic diaphragm. 2. The clitoris and vaginal vestibule] Nitschke T. Anat Anz 127:76-125, 1970 (111 ref.) (Ger)

CYTOLOGY

The effect of a new anabolic steroid (29'038-Ba) on the vaginal epithelium of postmenopausal women. Dontas EA. Acta Cytol (Baltimore) 14:595-602, Nov-Dec 70
Cyclic vaginal cytologic patterns in the Macaca mulatta. Mauro J, et al. Acta Cytol (Baltimore) 14:348-52, May 70
Cell junctions in the human vaginal epithelium. Burgos MH, et al. Am J Obstet Gynecol 108:565-71, 15 Oct 70
Use of mouse vaginal and rectal epithelium to screen antimitotic effects of systemically administered drugs. Bonder RH, et al. Cancer Res 31:851-3, Jun 71
The remote changes in the endometrial histology and the cervicovaginal cytology with the long acting hormonal contraceptive. Sammour MB, et al. Fertil Steril 21:464-8, Jun 70
Studies on vaginal cytology during the canine oestrous cycle. Bell ET, et al. J Endocrinol 48:iv-v, Sep 70
[Quantitation of lymphoid cells in the epithelium of normal human vagina during menstrual cycle, pregnancy and menopause] Pots P, et al. Klin Wochenschr 49:213-5, 15 Feb 71 (Ger)
[On vaginal cytology in hirsute women] Vallino F, et al. Ann Ostet Ginecol 91:438-45, Jun 69 (Ita)
[Colpocytology in evaluation of treatment with human gonadotropins (HMG)] Minucci D, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:883-96, 1968 (Ita)
[Relationships between ovarian secretion and clinical changes in the genital female organ. I. Relationships between endometrial picture, vaginal cytology and estrogenuria] Macchia A, et al. Minerva Ginecol 23:230-3, 15 Mar 71 (Ita)
[Cytological and histological modifications of the rat vaginal epithelium] Camano L, et al. Matern Infanc (Sao Paulo) 29:231-4, Apr-Jun 70 (Por)
[Effect of progesterone on the mitotic cycle of reproductive organ epithelium] Rosliakova NA. Biull Eksp Biol Med 70:92-5, Oct 70 (Rus)
[Proliferative pool of the epithelium of reproductive organs of ovariectomized mice and mice receiving progesterone] Rosliakova NA. Biull Eksp Biol Med 71:106-10, May 71 (Rus)
[Hormonal and vaginal cytology changes induced by a pregnane in threatened abortion] Bravo Sandoval J, et al. Ginecol Obstet Mex 28:573-9, Nov 70 (Spa)
[Comparison of cytology of vagina and trigonum of urinary bladder by a direct method] Cervenka J, et al. Cesk Gynekol 36:88-9, Mar 71 (Slo)

DRUG EFFECTS

Vaginal cytology in patients treated with steroid combinations. Chiaffitelli HS de, et al. Acta Cytol (Baltimore) 14:344-7, May 70
Vaginal cytology in astudy of cumulative effects of an oral contraceptive: acid mucopolysaccharide and keratin as indicators for cycle stages. Stern E, et al. Acta Cytol (Baltimore) 14:382-5, Jul-Aug 70
A comparative study of the estrogenic potential of two synthetic estrogens (mestranol and ethinylestradiol). Teter J, et al. Acta Cytol (Baltimore) 15:167-70, Mar-Apr 71
Cytochemistry of normal vaginal epithelium and under the effect of contraceptive pills in women. II. Topochemistry of nucleic acids and different proteins in normal vaginal epithelium. el-Fiky SM, et al. Acta Histochem (Jena) 39:58-68, 1971
Cytochemistry of normal vaginal epithelium and under the effect of contraceptive pills in women. I. Enzymmorphology of phosphatases and glycogen in normal vaginal epithelium. Mourst GE, et al. Acta Histochem (Jena) 39:49-57, 1971
Protein-bound iodine and T4 tests after vaginal application of povidone-iodine. King IR, et al. Am J Obstet Gynecol 108:1175-7, 15 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Iatrogenic vaginal membranous exfoliation.
Márquez-Monter H, et al.
Am J Obstet Gynecol 110:1018-20, 1 Aug 71
Cytological and endometrial effects of retroprogesterone Ro 4-8347. Polishuk WZ, et al.
Bull Schweiz Akad Med Wiss 25:466-71, Oct 70
Effects of microdose norgestrel on endogenous gonadotropic and steroid hormones, cervical mucus properties, vaginal cytology, and endometrium.
Moghissi KS, et al. Fertil Steril 22:424-34, Jul 71
The effect of pineal methoxyindoles on rat vaginal opening time. Coliu R, et al.
J Endocrinol 50:679-83, Aug 71
Effect of oestradiol on cell proliferation and histological changes in the uterus and vagina of mice.
Galand P, et al. J Endocrinol 49:243-52, Feb 71
Intravaginal and intrarectal screening of antimitotic drugs for topical effectiveness. Van Scott EJ, et al.
J Invest Dermatol 56:132-9, Feb 71
Delayed vaginal opening in the rat following pharmacologic doses of T4 administered during the neonatal period. Gellert RJ, et al.
J Lab Clin Med 77:410-6, Mar 71
Mechanisms involved in the electrogenic action of oestrogens on the vaginal epithelium. Edwards F, et al. J Physiol (Lond) 207:22P-23P, Mar 70
Effects of a surface active contraceptive agent (nonylphenoxypolyethoxyethanol) on the vagina; a new functional approach to assessing the actions on the vagina of spermicides. Edwards F, et al.
J Physiol (Lond) 208:35P-36P, May 70
The effect of hypervitaminosis A on opening of the vaginal membrane in the rat. Mavligit G, et al.
J Reprod Fertil 23:331-3, Nov 70
The in vitro sensitivity of human uterus and vagina towards oxytocin and catecholamines. I. Nonpregnant subjects. Czekanowski R, et al.
Pol Med J 10:292-8, 1971
[Conduction of vaginal tissue during therapy with newer estrogens] Augustin M, et al.
Arch Gynaekol 211:190-1, 4 Jun 71 (Ger)
[Is the effect of vaginally applied hormones on the vaginal epithelium of local or systemic origin?] Boschann HW.
Arch Gynaekol 211:195-6, 4 Jun 71 (Ger)
[Studies on the modification of serum bilirubin and vaginal epithelium of newborns and infants by small doses of chlormadinone acetate] Zwacka G, et al.
Dtsch Gesundheitsw 25:1607-11, 20 Aug 70 (Ger)
[Effect of oral contraceptives on the oral and vaginal mucosa] Klinger G, et al.
Dtsch Stomatol 20:664-9, Sep 70 (Ger)
[Effect of quinestrol-chlormadinone acetate on the endometrium, cervix uteri and vaginal epithelium] Schrodt U, et al. Endokrinologie 57:254-9, 1971 (Ger)
[Effect of conjugated estrogens on the vaginal epithelium of postmenopausal women] Boquoi E.
Med Lab (Stuttg) 23:267-8, Nov 70 (Ger)
[Animal experiment studies on the central and peripheral effectiveness of clomiphene dihydrogencitrate] Mayer HG.
Z Geburtshilfe Gynaekol 174:35-58, 1971 (Ger)
[Effect of intravenous injections of antifibrinolytic agents on the local fibrinolytic activators in the human vagina] Herschlein HJ, et al.
Zentralbl Gynaekol 92:1624-7, 5 Dec 70 (Ger)
[The effect of clomiphene on vaginal cytology and cervical mucus] Eichenbrenner I, et al.
Harefuah 78:171-3, 15 Feb 70 (Heb)
[Evaluation of the sensitivity of woman's uterus (corpus, lower part, cervix) and the vagina to oxytocin and catecholamines in vitro. II. In the course of labor] Czekanowski R, et al.
Ginekol Pol 42:641-8, May 71 (Pol)
[Colpocytology in users of oral contraceptives. Findings in the Praia do Pinto Ambulatory clinic and in the Central Hospital of the IASEG (Department of Pathological Anatomy)] Moura AF, et al.
Rev Bras Med 27:341-4, Jul 70 (Por)
[Effect of progesterone on the mitotic index of the uterine cavity, uterine glands and vagina] Rosliakova NA. Biull Eksp Biol Med 68:100-2, Nov 69 (Rus)
[Considerations on 200 cases of vaginal burns by potassium permanganate] Aguilar Guerrero JA, et al.
Ginecol Obstet Mex 29:275-9, Mar 71 (Spa)
[Study of the basal temperature, cervix mucus, vaginal cytology, spermatic penetration, and length of the menstrual cycle, in patients under clomiphene treatment] Ruiz Velasco V, et al.
Ginecol Obstet Mex 26:315-26, Sep 69 (Spa)
[Some principles in administration of estrogens in geriatrics and gerontology] Svechnikova NV, et al.
Pediatr Akush Ginekol 3:50-2, 1970 (Ukr)

ENZYMOLOGY

Cytochemistry of normal vaginal epithelium and under the effect of contraceptive pills in women. I. Enzymmorphology of phosphatases and glycogen in normal vaginal epithelium. Mourai GE, et al.
Acta Histochem (Jena) 39:49-57, 1971
Determination of 6-PGDH in the vaginal secretions of patients with carcinoma of the cervix. A new method of collection of vaginal secretions. Hasch E, et al.
Acta Obstet Gynecol Scand 50:37-9, 1971
[Further topochemical enzyme studies of hormone-induced metaplasia in the epithelium of the rat vagina] Goslar HG, et al.
Acta Histochem (Jena) 39:217-29, 1971 (Ger)

GROWTH & DEVELOPMENT

Transmaternal influence of the environment in determining age of vaginal canalization of female offspring in the rat. Eliett MH.
J Endocrinol 48:291-2, Oct 70

IMMUNOLOGY

[Presence and synthesis of immunoglobulins in tissues of the gastro-intestinal and respiratory tracts, in the conjuctival and vaginal mucosa and in the skin] Aiuti F, et al. Progr Immunobiol Stand 4:297-307, 1970 (Ita)

INJURIES

Self-mutilation of the female genitalia. (A case report). Goldfield MD, et al. Dis Nerv Syst 31:843-5, Dec 70
A cucumber in the abdomen penetrating through the vagina. Lee TT. Med J Malaya 25:53, Sep 70
[Coital vulvovaginal lesions] Mathieu J, et al.
Lyon Med 221:1249-50 passim, 25 May 69 (Fre)
[Medico legal observations on a case of traumatic lesion of the posterior vaginal fornix] Rondelli A.
Riv Ital Ginecol 53:704-14, Nov 69 (Ita)
[Rupture of the posterior vaginal fornix with injury and prolapse of the small intestine loop] Volkov ZN.
Vestn Khir 105:108, Jul 70 (Rus)
[Vaginal rupture during normal coitus] Cantilio J, et al.
Rev Obstet Ginecol Venez 21:515-22, Sep-Oct 70 (Spa)

INNERVATION

[Inhibition of the Ferguson reflex by sectioning the sacral nerves in the goat] Peeters G, et al.
Arch Int Pharmacodyn Ther 186:197-8, Jul 70 (Fre)

METABOLISM

Glycogen and water responses to estrogen in the hamster reproductive tract. Gregoire AT, et al.
Endocrinology 87:1369-72, Dec 70
[Hormonal conditions in the indication for cesarean section] Kobilková J, et al.
Cesk Gynekol 35:547-8, Nov 70 (Cze)

MICROBIOLOGY

Infection of newborn infants with Streptococcus agalactiae (Lancefield group B) in relation to its occurrence in the vaginal flora of term pregnant women. Bergqvist G, et al.
Acta Paediatr Scand [Suppl] 206:Suppl 206:107+, 1970
Value of vaginal and rectal cultures in the diagnosis of gonorrhoea. With special reference to areas with limited medical facilities. Olsen GA.
Br J Vener Dis 47:102-6, Apr 71
Recurrent urinary infections in adult women. The role of introital enterobacteria. Stamey TA, et al.
Calif Med 115:1-19, Jul 71
Identity and glycogen-fermenting ability of lactobacilli isolated from the vagina of pregnant women. Wylie JG, et al. J Med Microbiol 2:363-6, Aug 69
Chronic paronychia, and oral and vaginal candidal carriage. Ganor S, et al. Mykosen 13:537-42, 1 Nov 70
Modified classification of purity degrees of the vagina. Importance of culture assays. Szyszymar B, et al.
Pol Med J 9:1027-35, 1970
[Comparison of bacterial flora in leg ulcers and in female genitalia] Götzová R, et al.
Cesk Dermatol 46:112-5, Jun 71 (Cze)
[Variations of vaginal flora in hormonal disorders] Kobilková J, et al. Cesk Gynekol 35:457-8, Oct 70 (Cze)
[Influence of oral contraception upon the occurence of Candida albicans in the vagina] Thulin H.
Nord Med 85:399-401, 1 Apr 71 (Dan)
[Results of observation of the vaginal bacterial flora in female surgical cases] Kokoszka W, et al.
Przegl Lek 28:641-4, 1970 (Pol)
[Incidence of vaginal trichomoniasis and microbial flora in hysterectomized patients] Arizaga Cruz JM, et al. Ginecol Obstet Mex 29:271-4, Mar 71 (Spa)
[Vaginal bacteriological study during labor] Silva Córdova M, et al.
Rev Obstet Ginecol Venez 30:505-8, 1970 (Spa)
[Effect of amniotic fluid on vaginal microflora in parturient] Besnovatyi IP.
Pediatr Akush Ginekol 6:42-4, 1970 (Ukr)

PATHOLOGY

Cytologic evaluation of exclusive medroxyprogesterone acetate treatment for vaginal recurrence of endometrial adenocarcinoma. Bonte J, et al. Acta Cytol (Baltimore) 14:353-6, May 70
Cyanophilic superficial vaginal cells in gynecologic endocrine disorders. Lin TJ, et al.
Obstet Gynecol 36:245-7, Aug 71

PHYSIOLOGY

Temperature differences in reproductive tract of nonpregnant ewe. Abrams RM, et al.
Am J Obstet Gynecol 110:370-5, 1 Jun 71
Effects of vaginal stimulation on hypothalamic single units in unanesthetized rabbits. Vincent JD, et al.
Experientia 26:1266-7, 15 Nov 70
Hormonal modulation of hypothalamic unit activity and EEG response to vaginal stimulation in the deermouse. Zolovick AJ, et al.
J Endocrinol 49:59-69, Jan 71
The capacitation time and fertilizing life of snowshoe hare spermatozoa in the female tract of the rabbit.
Chang MC, et al. J Reprod Fertil 25:287-9, May 71
Neuro-correlate of limbic-hypothalamo-pituitary-gonadal axis in the rat: change in limbic-hypothalamic unit activity induced by vaginal and electrical stimulation. Kawakami M, et al. Neuroendocrinology 7:85-89, 1971
Hypothalamic unit activity in the cat: effects of estrogen and vaginal stimulation. Ratner A, et al.
Proc Soc Exp Biol Med 137:321-6, May 71

PHYSIOPATHOLOGY

[Penis captivus] Kvŕ D.
Cesk Gynekol 36:266-8, Jun 71 (Cze)

RADIOGRAPHY

[Cysto-urethro-vaginography in cases of pseudohermaphroditism] Marciński A.
Pol Przegl Radiol 34:715-26, 1970 (Pol)

SECRETION

A male sex-attractant pheromone in rhesus monkey vaginal secretions. Michael RP, et al.
J Endocrinol 46:xx-xxi, Feb 70
Pheromones: isolation of male sex attractants from a female primate. Michael RP, et al.
Science 172:964-6, 28 May 71

SURGERY

Management of the vaginal vault after vaginal hysterecomy. Problem of recurrent rectocele.
Papaloucas A, et al. Int Surg 54:458-61, Dec 70
Abdominal versus vaginal hysterectomy. A morbidity study. Ellis RW. J Med Soc NJ 68:45-6, Jan 71
Vaginal construction in children with absent vagina and imperforate anus. Ein SH, et al.
J Pediatr Surg 6:435-9, Aug 71
Results of vaginal flap urethroplasty in hermaphrodites. Thompson IM.
J Urol 105:456-60, Mar 71
Vaginal reconstruction folowing extended abdominoperineal resection. Cocke WM, et al.
Plast Reconstr Surg 46:372-4, Oct 70
Surgical construction of the vagina and labia in male transsexuals. Edgerton MT, et al.
Plast Reconstr Surg 46:529-39, Dec 70
Free graft of vaginal mucosa to the mouth. Case report.
Stallings JO, et al.
Plast Reconstr Surg 47:498-501, May 71
Vulva-vaginoplasty. Williams EA.
Proc R Soc Med 63:1046, Oct 70
Vaginoplasty following vesicovaginal fistula repair: a preliminary report. Dick JS, et al.
S Afr Med J 45:617-20, 5 Jun 71
Technique of vaginoplasty and clitoridectomy in the adrenogenital syndrome. Spence HM.
Trans Am Assoc Genitourin Surg 62:66-8, 1970
Results of vaginal flap urethroplasty in hermaphrodites. Thompson IM.
Trans Am Assoc Genitourin Surg 62:140-6, 1970
Complications of vaginal hysterectomy with colpoplasty. Kinzel GE.
Trans Pac Coast Obstet Gynecol Soc 37:79-87, 1970
[Exploration of adnexa uteri by posterior colpotomy. Operative culdoscopy. Apropos of 135 cases] Darmaillacq R. Chirurgie 97:240-4, 1971 (Fre)
[Experience acquired with radical vaginal surgery in selective treatment of invasive cervical cancer] Navratil E. Gynecol Prat 20:7-17, 1969 (Fre)
[Surgical treatment of congenital vaginal aplasia: recto-colpoplasty by exclusion of the rectal ampulla and conservation of the anal canal] Soustelle J, et al.
Lyon Chir 65:841-7, Sep-Oct 69 (Fre)
[Diagnostic and therapeutic possibilities of the posterior colpotomy] Brosswitz E.
Geburtshilfe Frauenheilkd 29:44-50, Jan 69 (Ger)
[Postoperative bleeding prevention: results of combined bleeding and anti-coagulant prevention after vaginal surgery] Herschlein HJ, et al.
Geburtshilfe Frauenheilkd 31:62-8, Jan 71 (Ger)
[Plastic reconstructive surgery in vaginal atresia] Antoine T.
Wien Klin Wochenschr 82:559-61, 31 Jul 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Methods of colpoplasty] Kun M, et al.
Orv Hetil 111:2333, 27 Sep 70 (Hun)
[Influence of surgical technic and anesthesiological method on the intra- and post-operative course in the interventions of vaginal hysterectomy. (Clinico-statistical contribution)] Pollazzon G, et al.
Acta Anaesthesiol (Padova) 20:389-403, Mar-Apr 69 (Ita)
[Theoretical and technical considerations and evaluation of a proposed variation for improvement of the results of the traditional method of posterior vaginal plastic surgery] Fossati S.
Minerva Ginecol 21:1116-20, 15 Sep 69 (Ita)
[Congenital anomalies of the vagina] Lodovici O.
Rev Hosp Clin Fac Med Sao Paulo 25:303-10, Sep-Oct 70 (Por)
[Colpopoiesis from skin flaps in patients with congenital anomaly of sexual differentiation] Sovitskif GA.
Akush Ginekol (Mosk) 46:70-2, Oct 70 (Rus)
[Anterior-posterior colpopexy] Chagoy Vera J, et al.
Ginecol Obstet Mex 29:617-22, Jun 71 (Spa)
[Local hemostasis with POR 8 in vaginal surgeries] Dražа P. Med Pregl 23:117-20, 1970 (Cro)

TRANSPLANTATION

Effects of implantation of ovarian and vaginal tissue in the hypothalamus and pituitary gland on prolactin secretion in the rat. Zeilmaker GH.
J Endocrinol 48:lxv-lxvi, Dec 70

VAGINAL DISEASES (C6)

Infectious vaginopathies in pregnancy. Penza J, et al.
Clin Obstet Gynecol 13:223-38, Jun 70 (15 ref.)
[A case of pyomucocolpos due to a transverse vaginal septum] Belloli G, et al.
Minerva Pediatr 23:909-13, 19 May 71
Infectious vulvovaginopathies. Penza JF.
Med Treat 7:733-55, Jul 70
Primary spontaneous colporrhexis. A case report. Osterling DL, et al. Obstet Gynecol 38:96-8, Jul 71
Genital herpesvirus hominis type 2 infection: an experimental model in cebus monkeys. Nahmias AJ, et al. Science 171:297-8, 22 Jan 71
Vaginal evisceration. Rolf BB.
Trans Pac Coast Obstet Gynecol Soc 37:43-9, 1970
[Hematocolpos in uterus duplex with vagina duplex] Jäger G, et al.
Zentralbl Gynaekol 92:1503-6, 7 Nov 70 (Ger)
[The vaginal syndrome and the male partner's share in its development] Reif A.
Harefuah 79:11-4, 1 Jul 70 (Heb)
[3 cases of vaginal balantidiasis] Gulanowska H, et al.
Pol Tyg Lek 26:64-5, 11 Jan 71 (Pol)

CHEMICALLY INDUCED

[Considerations on 200 cases of vaginal burns by potassium permanganate] Aguilar Guerrero JA, et al.
Ginecol Obstet Mex 29:275-9, Mar 71 (Spa)
[Vaginal burns by caustic substances. A socio-medical problem] Zárate Sandoval H, et al.
Ginecol Obstet Mex 27:559-67, May 70 (Spa)

COMPLICATIONS

Vaginal-urethrovesical reflex: its role and treatment in recurrent cystitis. Tein AB, et al.
J Urol 105:384-7, Mar 71
[On the repercussion of hydrocolpos and hematocolpos on the urinary tract] Bauchart J, et al.
Ann Urol (Paris) 5:23-30, Feb 71 (Fre)
[Sterility of utero-vaginal origin] Mousseion J.
Rev Lyon Med 19:Suppl:7-8, 1970 (Fre)
[Cysts of the vaginal wall, a cause of hydrocolpos in the newborn] Cozzi F, et al.
Riv Clin Pediatr 81:441-3, Jul-Aug 68 (Ita)

CONGENITAL

Congenital hydrocolpos and associated urogenital malformations: report of a case with solitary kidney and congenital vesicovaginal fistula. Smith RB, et al.
J Urol 105:683-6, May 71

DIAGNOSIS

Nuclear inclusion bodies in vaginal smears from patients with vaginal discharge. Cederqvist L, et al.
Acta Obstet Gynecol Scand 49:13-6, 1970
Management of pregnancy complicated by genital herpes virus infection. Amstey MS.
Obstet Gynecol 37:515-20, Apr 71

DRUG THERAPY

A stainless washable gentian violet specific for candida albicans (monilia) and other vaginal pathogens. One medication for all vaginal infections. Karnaky KJ.
Southwest Med 51:271-2, Dec 70
[Treatment of fluor vaginalis with Malun] Kemper M.
Z Allgemeinmed 47:301-3, 28 Feb 71 (Ger)
[Vaginal dystrophy of the post-menopause and the problem of estrogen therapy] Carenza L.
G Gerontol 17:405-15, May 69 (Ita)
[Observations on the results obtained with Macmiror therapy of vaginal infections] Kostic P.
Minerva Ginecol 21:222-5, 28 Feb 69 (Ita)
[Finding in the use of Fungizone vaginal tablets and lotion for vaginal and vulval mycosis] Suzuki M, et al.
Sanfujinka Jissai 20:614-6, May 71 (Jap)
[Studies of microbial contamination of vaginal balls and tablets] Szepietowska B.
Acta Pol Pharm 28:101-5, 1971 (Pol)

ETIOLOGY

[Accretion of the labia minora in girls before sexual maturation] Baktirdzhiev D.
Akush Ginekol (Sofiia) 9:315-9, 1970 (Bul)
[Traumatic epithelial cyst of the vagina. Vaginal cysts] Boschbach FW.
Geburtshilfe Frauenheilkd 29:1119-26, Dec 69 (Ger)
[Vaginal mycosis due to Sarcophaga argyrostoma (Rob.-Desvoidy)] Aspöck H, et al.
Wien Klin Wochenschr 82:518-20, 3 Jul 70 (Ger)
[Pseudofluor and fluor vaginalis due to bilateral uretero-ectopia and bilateral kidney duplication] Schach H, et al.
Zentralbl Gynaekol 93:840-4, 8 May 71 (Ger)
[Hematocolpos caused by imperforate hymen. Review of literature and presentation of a case of acute urinary retention in a 9 and one half year-old patient] Ottolenghi-Preti GF, et al.
Ann Ostet Ginecol 92:97-112, Feb 70 (Ita)

MICROBIOLOGY

Vaginal infection. I. Microbiological findings. Renkonen OV, et al.
Acta Obstet Gynecol Scand [Suppl] 2:Suppl 2:3-8, 1970
[Influence of hormonal states on selective receptivity of the vaginal epithelium to various microbes] Laudisio V, et al.
Minerva Ginecol 22:1059-63, 15 Nov 70 (Ita)

PREVENTION & CONTROL

[Postoperative bleeding prevention: results of combined bleeding and anti-coagulant prevention after vaginal surgery] Herschlein HJ, et al.
Geburtshilfe Frauenheilkd 31:62-8, Jan 71 (Ger)

SURGERY

The modern treatment of Bartholin cyst and abscess. Ng KH. Med J Malaya 25:120-2, Dec 70
Vaginoplasty following vesicovaginal fistula repair: a preliminary report. Dick JS, et al.
S Afr Med J 45:617-20, 5 Jun 71
Suprapubic trocar cystostomy. Beck RC.
Trans Pac Coast Obstet Gynecol Soc 37:17-23, 1970
[Care of the vaginal surgical methods as domain and obligation of the gynecologist] Reiffenstuhl G.
Wien Klin Wochenschr 82:554-8, 31 Jul 70 (Ger)
[Very early ovular abortion on the 10th day] De Gennaro F. Minerva Ginecol 21:837-42, 15 Jul 69 (Ita)
[Topical vaginal therapy in the pre- and postoperative treatment of patients undergoing surgery of the uterine neck and vagina] Romano F.
Minerva Ginecol 21:853-6, 15 Jul 69 (Ita)
[Prolonged post-perineoplastic sphincteralgia. Anatomic study of the region. Observations in operated patients] Rêgo G.
Hospital (Rio de J) 76:985-95, Sep 69 (Por)
[Vaginal agenesia. Surgical treatment using skin graft. Mc Indoe's method] Pataro VF, et al.
Prensa Med Argent 56:1596-9, 17 Oct 69 (Spa)
[Correction of vaginal cupola prolapse by means of sacrocolpopexy] Díaz-Garzón J.
Rev Colomb Obstet Ginecol 22:39-40, Jan-Feb 71 (Spa)

THERAPY

[Intracavitary emitter for microwave therapy] Livenson AR, et al.
Nov Med Priborostr 3:72-4, 1967 (Rus)

VETERINARY

Genital infection induced by feline rhinotracheitis virus and effects on newborn kittens. Bittle JL, et al.
J Am Vet Med Assoc 158:Suppl 2:927-8, 15 Mar 71
Vaginal bleeding in a spayed bitch: a case report. Ratcliffe J. J Small Anim Pract 12:169, Mar 71

VAGINAL FISTULA (C6)

ETIOLOGY

Management of radiation-induced vaginal fistulas. Boronow RC. Am J Obstet Gynecol 110:1-8, 1 May 71
Ileovaginal fistula complicating internal hernial strangulation through a broad ligament defect. Mathieson AJ, et al. Br J Surg 58:353-5, May 71
[Bilateral uretero-vaginal fistulae after radical hysterectomy. Apropos of 2 cases treated by vesical bipartition] Boccon-Gibod L, et al.
J Urol Nephrol (Paris) 77:849-52, Jul-Aug 71 (Fre)
[A clinical case of anovaginal atresia] Heilmann L.
Zentralbl Gynaekol 92:998-1001, 1 Aug 70 (Ger)

RADIOGRAPHY

[Localization of uretero-vaginal fistula] Marton I, et al.
Rozhl Chir 50:370-4, Jul 71 (Slo)

SURGERY

Management of radiation-induced vaginal fistulas. Boronow RC. Am J Obstet Gynecol 110:1-8, 1 May 71
Ureterovaginal fistula. Lee RA, et al.
Am J Obstet Gynecol 109:1032-5, 1 Apr 71
[Indication for Boari's surgery] Amsler E.
Helv Chir Acta 37:481-8, Aug 70 (Fre)
[Operative urologic management of ureteral injuries after obstetric-gynecologic intervention and radiation] Lenz P, et al.
Z Urol Nephrol 63:423-9, Jun 70 (Ger)
[Vesico- and urethrovaginal fistulas after obstetric-gynecologic operations and radiation] Meridies R, et al.
Z Urol Nephrol 63:405-10, Jun 70 (Ger)
[Operative management of urologic complications of gynecologic diseases] Schmiedt E.
Z Urol Nephrol 63:547-62, Jul 70 (Ger)
[The use of the intestine in the surgical treatment of uro-genital fistulas] Sorrentino F.
Osp Ital Chir 22:49-63, Jan 70 (Ita)
[Experience of ureterolleovesicostomy for ureterovaginal fistula following extensive pan-hysterectomy] Ishihara M.
Sanfujinka Jissai 20:689-93, Jun 71 (Jap)
[Treatment of uretero-vaginal fistulas based on our own observations] Szkodny A, et al.
Pol Przegl Chir 43:Suppl 2a:365+, Feb 71 (Pol)

VAGINAL NEOPLASMS (C2)

Recurrent fibromyoma of the vagina. A case report. Ingemanson CA, et al.
Acta Obstet Gynecol Scand 49:271-3, 1970
Vaginal recurrence of carcinoma of the corpus. Management and prevention. Ingersoll FM.
Am J Surg 121:473-7, Apr 71
[Primary epitheliomas of vagina] Pourquier H.
Ann Radiol (Paris) 13:785-91, 1970 (Fre)
[An unusual vaginal tumor] Chauvin HF, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:198-201, Apr-May 69 (Fre)
[Fibroma of the vagina] Chanelière N, et al.
Lyon Chir 65:407, May-Jun 69 (Fre)
[Thoughts on vaginal fibromas. (2 cases)] Rochet Y, et al. Lyon Chir 65:403-7, May-Jun 69 (Fre)
[A case of cervical intraepithelial epithelioma with probable vaginal localization] Boulanger JC, et al.
Rev Fr Gynecol Obstet 64:445-51, Sep 69 (Fre)
[Vaginal cancer] Alessandrini G.
Rev Med Suisse Romande 89:493-514, Jun 69 (Fre)
[Gynecologic sarcoma] Bossart H, et al.
Rev Med Suisse Romande 89:657-77, Jun 69 (Fre)
[Vaginal carcinoma and constitution. Peculiarities contrary to other genital carcinomas of the female] Vahrson H.
Z Geburtshilfe Gynaekol 174:93-100, 1971 (Ger)
[Combined endometrial-paraurethreal duct cyst] Klier E. Zentralbl Gynaekol 92:955-8, 25 Jul 70 (Ger)
[Epithelioma of the clitoris] De Gennaro F.
Minerva Ginecol 21:849-52, 15 Jul 69 (Ita)
[Multicentric cancer of the lower genital tract. (Apropos of a personal case)] Gómez Rueda A, et al.
Rev Colomb Obstet Ginecol 21:349-58, Jul-Aug 70 (Spa)

CHEMICALLY INDUCED

The influence of thyroactive substances on the induction of cervico-vaginal tumours in intact and castrate rats. Cherry CP, et al.
Br J Cancer 24:510-27, Sep 70
The effect of thyroactive substances on the induction of cervico-vaginal and vulval tumours in castrate rats at various levels of carcinogenic treatment. Glucksmann A, et al. Br J Cancer 24:769-84, Dec 70
Stilboestrol and cancer. Br Med J 3:593-4, 11 Sep 71
Vaginal adenocarcinoma in young women.
Lancet 1:1111-2, 29 May 71
Transplacental carcinogenesis by stilbestrol. Folkman J. N Engl J Med 285:404-5, 12 Aug 71
Vaginal cancer after maternal treatment with synthetic estrogens. Greenwald P, et al.
N Engl J Med 285:390-2, 12 Aug 71
Adenocarcinoma of the vagina. Association of maternal stilbestrol therapy with tumor appearance in young women. Herbst AL, et al.
N Engl J Med 284:878-81, 22 Apr 71
New environmental factor in congenital disease. Langmuir AD. N Engl J Med 284:912-3, 22 Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

CLASSIFICATION

Objective procedure of constructing stages in cancer. Its application in recurrent carcinoma of the corpus uteri. Kurohara SS, et al.
Acta Radiol [Ther] (Stockh) 9:513-27, Dec 70

COMPLICATIONS

Adenocarcinoma arising within cervical endometriosis and invading the adjacent vagina. Chang SH, et al.
Am J Obstet Gynecol 110:1015-7, 1 Aug 71
[Vaginal fibroangioma and genital prolapse] Bourg PR.
Brux Med 49:811-2, Dec 69 (Fre)
[Virilization syndrome associated with endometrial carcinoma and development of atypical epithelium in the vaginal stump (in situ carcinoma)] Luca LA de.
Rev Paul Med 77:183-92, May 71 (Por)

DIAGNOSIS

[Vaginal metastasis disclosing a Grawitz tumor] Bader P, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:490-2, Nov-Dec 68 (Fre)
[Review of 8,687 cervico-vaginal cytologies. Correlation and discrepancies in the histopathological study] Arfiaga Cruz JM.
Ginecol Obstet Mex 27:539-42, May 70 (Spa)

DRUG THERAPY

Cytologic evaluation of exclusive medroxyprogesterone acetate treatment for vaginal recurrence of endometrial adenocarcinoma. Bonte J, et al. Acta Cytol (Baltimore) 14:353-6, May 70
Intermittent intravenous methotrexate in the treatment of advanced epidermoid carcinoma of the cervix and vulvovagina. Haffner WH, et al.
Cancer 26:812-5, Oct 70
[4 patients with chorion epithelioma] Aartsen EJ, et al.
Ned Tijdschr Geneeskd 114:2183-6, 26 Dec 70 (Dut)
[Treatment of trophoblastic tumors with methotrexate] Carcassonne Y, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 21:275-8, Jun-Aug 69 (Fre)

ETIOLOGY

[Cervico-vaginal carcinoma and pessary. A further characteristic case] Amalric R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:308-9, Jun-Aug 70 (Fre)
[Primary adenocarcinoma of the vagina due to the use of a pessary] Lamotte G.
Bull Soc R Belge Gynecol Obstet 39:287-94, Jul-Aug 69 (Fre)

FAMILIAL & GENETIC

[Chromosome composition of ascitic and pleural fluid cells in cancer] Genes IS.
Vopr Onkol 16:39-45, 1970 (Rus)

OCCURRENCE

Adenocarcinoma of vagina: further data. Christine B.
N Engl J Med 285:524, 26 Aug 71
Stilbestrol-adenosis-carcinoma syndrome: geographic distribution. Ulfelder H, et al.
N Engl J Med 285:691, 16 Sep 71

PATHOLOGY

Primary malignant melanoma of the vagina. A case report. Linthicum CM.
Acta Cytol (Baltimore) 15:179-81, Mar-Apr 71
Clear cell adenocarcinoma of the female genital tract. A report of four cases. Hormia M, et al.
Acta Obstet Gynecol Scand 49:259-63, 1970
Vaginal involvement of early carcinoma of the cervix uteri. Yokoyama Y, et al.
Acta Obstet Gynecol Scand [Suppl] 18:65-73, Apr 71
Carcinoma in situ of the vagina. Hummer WK, et al.
Am J Obstet Gynecol 108:1109-16, 1 Dec 70
Primary malignant vaginal lymphoma: case report. McElin TW, et al.
Am J Obstet Gynecol 110:883-5, 15 Jul 71
Carcinoma of the infant vagina. A distinctive tumor. Norris HJ, et al. Arch Pathol 90:473-9, Nov 70
A case of hypernephroma metastasis to the vagina. Nocks BN, et al. Br J Urol 42:407-9, Aug 70
Primary malignant melanoma of the vagina. Laufe LE, et al. Obstet Gynecol 37:148-54, Jan 71
[Histopathological and histochemical studies on the differentiation of a carcinoma of Bartholin's gland] Hoppe E. Zentralbl Gynaekol 93:138-44, 23 Jan 71 (Ger)
[Effect of preoperative irradiation on histological tumor propagation and on the frequency of vaginal recurrence of uterine cancer] Keller G, et al.
Zentralbl Gynaekol 93:132-7, 23 Jan 71 (Ger)
[Solitary neurofibroma in genitalia region] Sagert M.
Zentralbl Gynaekol 92:1496-8, 7 Nov 70 (Ger)
[Primary melanoma of the vagina. (Anatomoclinical considerations on a case)] Cadenelli GP.
Quad Clin Ostet Ginecol 23:480-8, Jun 68 (Ita)
[Malignant melanoma of the vagina] Sakamoto G, et al.
Jap J Cancer Clin 17:276-83, Apr 71 (Jap)
[A case of primary adenocarcinoma of the vagina and pregnancy] Alvarez Bravo A, et al.
Ginecol Obstet Mex 28:379-86, Oct 70 (Spa)

RADIOTHERAPY

Mesonephric adenocarcinoma of the vagina in a 7-month-old infant simulating sarcoma botryoides. Successful control with supervoltage radiotherapy. Siegel HA, et al. J Pediatr Surg 5:468-70, Aug 70
Carcinoma of the vagina. Underwood PB Jr, et al.
JAMA 217:46-52, 5 Jul 71
[Our experience with the management of vaginal carcinoma] Bedka F, et al.
Cesk Radiol 25:32-4, Jan 71 (Cze)
[Primary high-dosage cobalt-60 irradiation in advanced uterine cervix- and vaginal cancer] Martin K.
Geburtshilfe Frauenheilkd 31:50-61, Jan 71 (Ger)
[Results and problems in the management of vaginal carcinoma (1944-1963)] Buchheim CE.
Radiol Clin Biol 39:427-33, 1970 (Ger)
[Therapy of vaginal carcinoma] Vahrson H.
Strahlentherapie 140:492-8, Nov 70 (Ger)
[Therapeutic results in primary vaginal cancer] Dietzsch J, et al.
Zentralbl Gynaekol 92:528-32, 25 Apr 70 (Ger)

SURGERY

Vagina from urinary bladder. Carmichael DE.
Am J Obstet Gynecol 110:130-1, 1 May 71
Carcinoma of the vagina. Underwood PB Jr, et al.
JAMA 217:46-52, 5 Jul 71
[Results and problems in the management of vaginal carcinoma (1944-1963)] Buchheim CE.
Radiol Clin Biol 39:427-33, 1970 (Ger)
[Vaginal incision margin in surgery of cervix carcinoma] Grünberger V.
Wien Klin Wochenschr 83:215-6, 26 Mar 71 (Ger)
[Possibilities of formation of sigmoid neovagina during pelvic evisceration] Candiani GB, et al.
Ann Ostet Ginecol 91:541-52, Aug 70 (Ita)

THERAPY

Endodermal sinus tumor of the vagina. Report of a case with 7-year survival and literature review of so-called "mesonephromas". Allyn DL, et al.
Cancer 27:1231-8, May 71
[Human and medical aspects of treatment of recurrent gynecologic cancer] Revaz C.
Rev Med Suisse Romande 89:679-95, Jun 69 (Fre)

VETERINARY

The pathologic diagnosis of urogenital diseases in a dog. Amand WB, et al.
J Am Vet Med Assoc 157:1096-106, 15 Oct 70

VAGINAL PROLAPSE see under UTERINE PROLAPSE (C6)

VAGINAL SMEARS (E1)

Persistent tumor cells in the vaginal smears and prognosis of cancer of the radiated cervix. Jorge Campos R de C.
Acta Cytol (Baltimore) 14:519-22, Sep-Oct 70
Comparison of X-chromatin frequency in buccal and vaginal cells from atopic women. Kailin EW, et al.
Acta Cytol (Baltimore) 15:294-6, May-Jun 71
Quantitative criteria of folate deficiency in cervico-vaginal cytograms, with report of a new parameter. Klaus H.
Acta Cytol (Baltimore) 15:50-3, Jan-Feb 71
The etiology of the cocci type "streptokokkentyp" vaginal smear. Leppäluoto PA.
Acta Cytol (Baltimore) 15:211-5, May-Jun 71
Cytology of TRIC agent infection of the eye of newborn infants and their mothers' genital tracts. Naib ZM.
Acta Cytol (Baltimore) 14:390-5, Jul-Aug 70
Studies on nuclear structure by staining for actic protein in the cervical smear. Morishita H.
Acta Obstet Gynecol Scand [Suppl] 18:78-86, Apr 71
Factors related to progression of cervical atypias. Hulka BS, et al. Am J Epidemiol 93:23-32, Jan 71
Cervical cancer after initial negative and atypical vaginal cytology. Figge DC, et al.
Am J Obstet Gynecol 108:422-8, 1 Oct 70
Cytologic diagnosis of squamous dysplasia and carcinoma of the cervix. Gondos B, et al.
Am J Obstet Gynecol 110:107-10, 1 May 71
Management of the patient with an abnormal Papanicolaou smear. Holley MR.
Am J Obstet Gynecol 110:976-83, 1 Aug 71
Cervical cytology in the teen-age patient. Kaufman RH, et al. Am J Obstet Gynecol 108:515-9, 15 Oct 70
Colposcopy in the management of abnormal cervical smears in pregnancy. Ortiz R, et al.
Am J Obstet Gynecol 109:46-9, 1 Jan 71
Cervical cytodiagnostic problems--a survey. Seybolt JF, et al. Am J Obstet Gynecol 109:1089-103, 1 Apr 71
The sponge-cytocylinder smear. A cytologic method for mass screening. Yokoyama Y, et al.
Am J Obstet Gynecol 109:119-23, 1 Jan 71
Prognosis of threatened abortion. A comparative study with the use of vaginal cytology and urinary gonadotropin immunoassay. Youssef AF, et al.
Am J Obstet Gynecol 109:8-11, 1 Jan 71
Further assessment of the single parameter approach to the diagnosis of a positive cervical smear. Diamond RA. Aust NZ J Obstet Gynaecol 10:107-8, May 70
An evaluation of monitor tests for the induction of ovulation. Grant A, et al.
Aust NZ J Obstet Gynaecol 10:172-4, Aug 70
A controlled mass screening of gynecological cytology. Mariani PL, et al.
Boll Soc Med Chir Cremona 23:11-29, Oct-Dec 69
Report on national surveys of cytologic facilities. Willis RJ, et al. CA 18:219-23, May-Jun 68
Cytodiagnosis of endometrial carcinoma. Liu W.
Can J Med Technol 33:26-31, Feb 71
Cervix cancer death rates and mass cytologic screening. Christopherson WM, et al.
Cancer 26:808-11, Oct 70
Exfoliative cytology in clinically undetectable carcinoma of cervix uteri. Sahiar BE, et al.
Indian J Cancer 8:123-6, Jun 71
Cellular contamination during automatic and manual staining of cytological smears. Barr WT, et al.
J Clin Pathol 23:804-7, Oct 70
Anti-cancer organization. Pantin CG.
J Clin Pathol 24:478-9, Jul 71
A comparative cytologic proficiency analysis of physician obtained cervix scrape and patient obtained irrigation smears. Physician versus self obtained cytologic smears. Rodney MB.
J Natl Med Assoc 63:132-6, Mar 71
An analysis of cervical cytology in general practice. Tooley PJ. J R Coll Gen Pract 21:414-6, Jul 71
Cervical cancer detection.
Med J Aust 1:708-10, 27 Mar 71
How accurate is the pap test? Daly JW.
Med Times 99:64-8 passim, Mar 71
The prognostic value of Papanicolaou smears. Beadling LW, et al. Mich Med 70:17-9, Jan 71
An electronic data processing program for the Air Force cytology screening project. Von Haam E, et al.
Milit Med 135:574-8, Jul 70
Gynaecological mass screening in Finland. Timonen S.
Minerva Ginecol 23:7-11, 15 Jan 71
Experience with atypical of positive cytology smears. Chadbourn WA. Minn Med 53:1207, Nov 70
Pitfalls in the diagnosis of Trichomonas vaginalis by the Papanicolaou smear. Perl G.
Mt Sinai J Med NY 37:832-4, Sep-Oct 70
Vaginal aspirate studies in children. An atraumatic method. Capraro VJ, et al.
Obstet Gynecol 37:462-4, Mar 71
Estrogenic status of menstruating and menopausal women assessed by cervicovaginal smears. McLennan MT, et al. Obstet Gynecol 37:325-31, Mar 71
Prophylactic examinations for uterine cervix cancer in the female inhabitants of Bialystok District. Soszka S.
Pol Med J 9:1019-26, 1970
Frequency of cervical smear tests. Rhodes P.
Practitioner 206:249, Feb 71
Positive vaginal cytology recurring after total hysterectomy for carcinoma-in-situ of the cervix (three cases). Metters JS.
Proc R Soc Med 63:1051, Oct 70
The Allen-Doisy test for estrogens reinvestigated. Terenius L. Steroids 17:653-61, Jun 71
The problems of patient acceptance of the "PAP" smear. Haycock CE, et al.
Woman Physician 26:239-43, May 71
[New method of obtaining vaginal secretion in vulvovaginitis in children and adolescents] Balova V.
Akush Ginekol (Sofiia) 10:134-6, 1971 (Bul)
[Study of anuvulatory menstrual cycles in sterli women by vaginal smears] Durveniashki Kh.
Akush Ginekol (Sofiia) 9:152-9, 1970 (Bul)
[Prognostic value of vaginal exfoliative cytodiagnosis in habitual abortion] Penev I.
Akush Ginekol (Sofiia) 8:335-44, 1969 (Bul)
[Colposcopy and cytologic examination in large-scale prophylactic examination of women] Piperkov T.
Akush Ginekol (Sofiia) 10:136-40, 1971 (Bul)
[Investigation of cervical smears in general practice] Bryndorf RK, et al.
Ugeskr Laeger 133:595, 2 Apr 71 (Dan)
[Possibility of gynecologic investigation in occupational medicine] Lacombe JP, et al.
Arch Mal Prof 30:724-5, Dec 69 (Fre)
[Audacities in the detection of cancer of the cervix uteri] Lachapelo AP.
Bord Med 3:2494 passim, Oct 70 (Fre)
[Genital infections discovered by the smear method by irrigation during screening for cervix uteri cancer] Lachapelo AP. Bord Med 3:2498, Oct 70 (Fre)
[A case of 45 XO Turner's syndrome. Cytohormonal interpretation of the vaginal smear in the test of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ovarian stimulation with chorionic gonadotropin] Bădărău L, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:409-13, Sep-Oct 70 (Fre)
[Automatic processing of the medical file without previous codification: cytological use] Pelzer A.
Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:391-3, 1968 (Fre)
[Can fluorescence be used as a rapid method of cytological detection of gynecological cancers?] Conti C, et al. Minerva Ginecol 23:36-7, 15 Jan 71 (Fre)
[Cervico-vaginal cytology in women fitted with intrauterine devices (197 cases)] Ancia M, et al.
Rev Fr Gynecol Obstet 65:585-90, Oct 70 (Fre)
[Possibility of improving cytological diagnosis by applying trypsin on lesions of the cervix uteri suspected of malignancy] Kiricuta I, et al.
Rev Fr Gynecol Obstet 63:91-4, Mar 68 (Fre)
[Cytodiagnosis of the epithelioma of the cervix uteri. A critical study on 56,546 patients] Boivin Y, et al.
Union Med Can 99:2219-25, Dec 70 (Fre)
[Mast cells during actinotherapy ff cervix cancer in biopsies and vaginal smears] Slot E, et al.
Arch Geschwulstforsch 34:34-8, 1969 (Ger)
[Findings in hormone assays and vaginal smears in the treatment of the menopausal syndrome with the cyclopentyl-ether of ethinyloestradiol] Augustin M, et al. Arch Gynaekol 209:411-5, 1971 (Ger)
[False negative cytologic findings] Bauer H.
Geburtshilfe Frauenheilkd 31:572-4, Jun 71 (Ger)
[The atrophic and the inflammatory smear] Breini H.
Med Lab (Stuttg) 23:154-61, Jul 70 (Ger)
[Differential diagnosis of atypic cells in smears with suspected carcinoma] Wagner D, et al.
Med Lab (Stuttg) 24:65-70, Mar 71 (Ger)
[Cytodiagnosis at the end of pregnancy] Zidovsky J.
Med Lab (Stuttg) 23:90-3, Apr 70 (Ger)
[Cytology and histology of the portio in the framework of early diagnosis of carcinoma. Comparative study] Weiss K. Med Welt 20:944-8, 16 May 70 (Ger)
[Trichomonas vaginalis and the screening methods for cervix carcinoma] Tatra G, et al.
Wien Med Wochenschr 120:258-60, 11 Apr 70 (Ger)
[Cyto-hormonal diagnosis during use of various oral contraceptives] Loch EG, et al.
Z Geburtshilfe Gynaekol 173:261-6, Jun 70 (Ger)
[Diagnosis during vaginal cytology for determining the time of birth] Slunsky R.
Z Geburtshilfe Gynaekol 174:299-305, Jun 71 (Ger)
[Diagnostic results with the quick staining method of cytologic smears] Grünberger V.
Zentralbl Gynaekol 92:1551-5, 21 Nov 70 (Ger)
[Exfoliative cytology under estrogen-progesterone treatment] D'Andrea R.
Ann Sanita Pubblica 30:59-75, Jan-Feb 69 (Ita)
[Vaginal cytology and urinary pregnanediol levels in threatened abortion, actual abortion and missed abortion] Pannain A.
Arch Ostet Ginecol 74:14-49, Jan-Feb 69 (Ita)
[Experimental studies of the concentration of hyaluronidase in vaginal secretion of patients with pre-neoplastic and neoplastic lesions of the uterine cervix] Panazzolo A, et al.
Arch Sci Med (Torino) 128:63-75, Apr-Jun 71 (Ita)
[Technical, clinical and epidemiological interference in the timely diagnosis of carcinoma of the portio] Bertone C, et al. Cancro 21:396-411, 1968 (Ita)
[New investigation method in the early diagnosis of cancers of the cervix uteri] Giacobbe E, et al.
Minerva Ginecol 22:480-3, 30 Apr 70 (Ita)
[Leptothrix in the vaginal smear. Findings in 132 cases] Grismondi GL, et al.
Minerva Ginecol 22:820-2, 15 Sep 70 (Ita)
[Vaginal exfoliative cytology in the menopause] Lucrezio T, et al.
Minerva Ginecol 21:199-207, 28 Feb 69 (Ita)
[Diagnostic limitations and possibilities of vaginal cytology in secondary amenorrhea] Meduri B, et al.
Minerva Ginecol 21:901-8, 31 Jul 69 (Ita)
[Sex endocrinology of the vaginal and oral mucosa in the newborn female] Pilotti G.
Minerva Pediatr 21:566-90, 7 Apr 69 (Ita)
[Correlation between hormonal state and vaginal phlogosis in gynecology. Results of an electro-mechanographic analysis by computer of 9810 colpocytologic examinations] Rondinelli M, et al.
Riv Ital Ginecol 53:280-97, Apr 69 (Ita)
[Correlation between hormonal state and vaginal phlogosis during pregnancy. Results of an electro-mechanographic analysis of the findings in 3565 colpocytologic examinations] Rondinelli M, et al.
Riv Ital Ginecol 53:298-313, Apr 69 (Ita)
[Programmed computer-assisted statistical analysis of gynecologic colpocytology. Comparative considerations on oncologic, hormonal and phlogistic results in 9810 findings] Rondinelli M, et al.
Riv Ital Ginecol 53:265-79, Apr 69 (Ita)
[Electro-mechanographic analysis of the results of colpocytology in pregnancy] Rondinelli M, et al.
Riv Ital Ginecol 53:236-43, Mar 69 (Ita)
[Cytohormonal examinations of vaginal smears in women having undergone hysterectomy without adnexectomy] Kanwiszer J, et al.
Ginekol Pol 43:219-24, 1971 (Pol)
[Cytohormonal studies of vaginal smears performed during the treatment of imminent abortions] Wierstakow B, et al.
Ginekol Pol 41:977-84, Sep 70 (Pol)
[Value of cytologic examinations in the determining of the term of delivery] Chiap Z, et al.
Patol Pol 22:359-67, Apr-Jun 71 (Pol)
[Comparative study of intraperitoneal exfoliative cytology in cases of uterine myomas and benign ovarian cysts with cases without tumoral pathology] Souen JS.
Matern Infanc (Sao Paulo) 39:365-72, Jul-Sep 70 (Por)
[Limitations, value and indications of intraperitoneal cytology. Comparative study with vaginal oncotic cytology] Souen JS, et al.
Matern Infanc (Sao Paulo) 39:361-4, Jul-Sep 70 (Por)
[Value of oncotic colposcopy cytology association in the detection of preinvasive carcinoma of the cervix uteri] Salvatore CA, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:Suppl 2:5-10, 1970 (Por)
[Experience in use of the colpocytological method in preventive examinations] Kal'chenko EI, et al.
Akush Ginekol (Mosk) 46:74-5, Oct 70 (Rus)
[Colpocytodiagnosis of threatened abortion] Lopatchenko OI.
Vopr Okkr Materin Det 15:27-30, Dec 70 (Rus)
[Possibilities of cytological diagnosis of precancerous and inflammatory diseases of the uterine cervix] Daian-Barsegian OA.
Zh Eksp Klin Med 8:41-9, 1968 (Rus)
[Cytological detection of cancer of the cervix uteri] Aguirre F. Ginecol Obstet Mex 29:431-6, May 71 (Spa)
[Review of 8,687 cervico-vaginal cytologies. Correlation and discrepancies in the histopathological study] Arñaga Cruz JM.
Ginecol Obstet Mex 27:539-42, May 70 (Spa)
[Diagnosis of cervicovaginal amebiasis by exfoliative cytology] Arñaga Cruz JM, et al.
Ginecol Obstet Mex 29:393-6, Apr 71 (Spa)
[Colpocytology and the nymphogram] Conde Manjarrez BI, et al. Ginecol Obstet Mex 27:587-95, May 70 (Spa)
[Cytological diagnosis of female genital virosis] Méndez González J, et al.
Ginecol Obstet Mex 29:265-9, Mar 71 (Spa)
[Study of vaginal smears by luminescent microscopy in normal pregnancy and in threatened abortion] Badiva OS. Pediatr Akush Ginekol 1:44-6, Jan-Feb 69 (Ukr)
[Colpocytologic studies in prolonged pregnancy] Egorov OS, et al.
Pediatr Akush Ginekol 1:39-41, Jan-Feb 70 (Ukr)
[Vaginal smear in relation to the duration of post-menopause] Magát A.
Cesk Gynekol 36:78-80, Mar 71 (Slo)

CLASSIFICATION

Can the fern test be graded? Roland M.
Obstet Gynecol 37:792-6, May 71
[Classification of vaginal smears of the postmenopause based on a strict cytohormonal correlation] Maillet M, et al.
Gynecol Obstet (Paris) 70:147-56, Mar-Apr 71 (Fre)

INSTRUMENTATION

Polyester sponge swabs to facilitate examination for genital infection in women. Oates JK, et al.
Br J Vener Dis 47:289-92, Aug 71

STANDARDS

Cancer of the cervix--early detection--effective control. Tomb J. J Med Liban 23:383-9, 1970

VETERINARY

Comparison of histologic features of ovarian and uterine tissues with vaginal smears of the bitch. Fowler EH, et al. Am J Vet Res 32:327-34, Feb 71
Erythrocytes and leucocytes in the vaginal smear of the beagle bitch. Bell ET, et al. Vet Rec 88:546-9, 22 May 71
The collection of vaginal smears from the Beagle bitch. Christie DW, et al. Vet Rec 87:265, 29 Aug 70
The collection of vaginal smears from bitches. Evans JM, et al. Vet Rec 87:598-9, 7 Nov 70
The collection of vaginal smears from the bitch. Frankland AL. Vet Rec 89:127, 24 Jul 71

VAGINITIS (C6)

CHEMICALLY INDUCED

Vaginitis and tights. Stallworthy J.
Br Med J 2:108, 10 Apr 71

DIAGNOSIS

Arthritis, vaginitis and cardiac murmur. Jacobs S.
J La State Med Soc 123:179-82, May 71
Modified classification of purity degrees of the vagina. Importance of culture assays. Szyszymar B, et al.
Pol Med J 9:1027-35, 1970
Vaginitis: diagnosis and treatment. Burmeister RE, et al. Postgrad Med 48:159-63, Aug 70
[Correlation between hormonal state and vaginal phlogosis in gynecology. Results of an electro-mechanographic analysis by computer of 9810 colpocytologic examinations] Rondinelli M, et al.
Riv Ital Ginecol 53:280-97, Apr 69 (Ita)

DRUG THERAPY

The compination product Flagyl Comp (metranidatzol + nystatin) in the treatment of severe cases of colpitis. Vartiainen E, et al.
Acta Obstet Gynecol Scand [Suppl] 2:Suppl 2:9-13, 1970
Cases of vaginitis treated with Polmiror. Vartiainen E, et al.
Acta Obstet Gynecol Scand [Suppl] 2:Suppl 2:15-9, 1970
Estrogen therapy in atrophic vaginitis. Kyriazis GA, et al. Pa Med 73:32-4, Dec 70
Vaginitis: diagnosis and treatment. Burmeister RE, et al. Postgrad Med 48:159-63, Aug 70
[Our experience with the use of preparation P-10 in the treatment of vaginal discharge] Atanasov D, et al.
Akush Ginekol (Sofiia) 9:327-31, 1970 (Bul)
[Treatment of gynecologic infections by combined tetracycline and amphotericin B] Van Gijsegem M.
Brux Med 51:391-3, May 71 (Fre)
[Trial of Situdicine in gynecologic therapy] Bruhat M, et al. Lyon Med 225:773-5, 25 Apr 71 (Fre)
[Thrush colpitis] Döring GK.
Dtsch Med Wochenschr 96:358, 19 Feb 71 (Ger)
[Treatment of vaginal trichomoniasis and mycosis with nifuratel] Schmidt H, et al.
Munch Med Wochenschr 113:2255-8, 4 Dec 70 (Ger)
[Lymecycline in Haemophilus vaginalis colpitis] Fegeri H, et al.
Wien Med Wochenschr 121:194-6, 13 Mar 71 (Ger)
[Pimafucin in the therapy of vaginal infections caused by blastomyces and trichomonas] Tóth B, et al.
Z Haut Geschlechtskr 45:775-80, 1 Dec 70 (Ger)
[Treatment possibilities in fluor genitalis in dermatological practice] Weitgasser H.
Z Haut Geschlechtskr 46:107-10, 15 Feb 71 (Ger)
[Administration of oxytetracycline hydrochloride with hydrocortisone (Oxycort aerosol) in the treatment of non-specific vaginitis] Ostrzeński A.
Pol Tyg Lek 26:283-4, 22 Feb 71 (Pol)

ETIOLOGY

Postirradiation vaginitis. An evaluation of prophylaxis with topical estrogen. Pitkin RM, et al.
Radiology 99:417-21, May 71
[Uncommon saprophyte of the female vagina: Saccharomyces cerevisiae, Hansen 1833] Nicoli RM, et al.
Ann Parasitol Hum Comp 45:517-21, Jul-Aug 70 (Fre)
[Correlation between hormonal state and vaginal phlogosis during pregnancy. Results of an electro-mechanographic analysis of the findings in 3565 colpocytologic examinations] Rondinelli M, et al.
Riv Ital Ginecol 53:298-313, Apr 69 (Ita)

MICROBIOLOGY

Meningococci in vaginitis. Gregory JE, et al.
Am J Dis Child 121:423, May 71
Relationship of Torulopsis to candida. Leask BG, et al.
Lancet 1:1300-1, 19 Jun 71
[Experiences with the CACH medium for the demonstration of trichomonas and yeasts in women with vaginitis] Müller WA, et al.
Mykosen 11:883-91, 1 Dec 68 (Ger)
[Lymecycline in Haemophilus vaginalis colpitis] Fegeri H, et al.
Wien Med Wochenschr 121:194-6, 13 Mar 71 (Ger)
[Leptothrix in the vaginal smear. Findings in 132 cases] Grismondi GL, et al.
Minerva Ginecol 22:820-2, 15 Sep 70 (Ita)
[Diseases caused by hemophilic Bacillus vaginalis] Karpovskaia OG.
Vestn Dermatol Venerol 44:51-4, Jul 70 (Rus)

OCCURRENCE

[The influence of a mono- and biphasic oral contraceptives on colpitis of diverse etiology] Mettler L, et al.
Z Geburtshilfe Gynaekol 173:168-80, 1970 (Ger)
[Incidence of Trichomonas vaginalis and of aspecific vaginitis in an apparently healthy female population. Colposcopic and cytological aspects] Cuscianna B, et al. Minerva Ginecol 23:270-2, 31 Mar 71 (Ita)

RADIOTHERAPY

[Experience in the use of the OKUF-5 apparatus for treatment of some gynecologic diseases] Strugatskii VM. Nov Med Priborostr 3:70-1, 1967 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

THERAPY

Thoughts on the treatment of vaginitis. Gray GW. J Med Assoc State Ala 41:79, Aug 71

VAGOTOMY (E4)

My experience of selective vagotomy in the treatment of ulcer disease. Grassi G. Acta Chir Scand 136:423-9, 1970

The effect of vagotomy on flow resistance at the choledocho-duodenal junction. An experimental study in the anaesthetized cat. Liedberg G, et al. Acta Chir Scand 136:205-12, 1970

Intragastric pressure-volume relationship before and after vagotomy. Stadaas J, et al. Acta Chir Scand 136:611-5, 1970

[Vagotomy versus gastrectomy] Lagrot F, et al. Acta Otorhinolaryngol Belg 23:331-8, 1969

Gastric emptying after vagotomy and pyloroplasty. Relation to some postoperative sequelae. Cobb JS, et al. Am J Dig Dis 16:207-15, Mar 71

Diarrhea after total and selective vagotomy. George JD, et al. Am J Dig Dis 16:635-40, Jul 71

Effect of vagotomy on gastric emptying. Hall WH, et al. Am J Dig Dis 15:1047-53, Dec 70

Effects of vagotomy on arterial pressure and blood gases in the fetal calf. Reeves JT, et al. Am J Physiol 221:349-55, Jul 71

Stomal obstruction after vagotomy in the treatment of obstructing peptic ulcer. Cerise EJ, et al. Am J Surg 122:371-3, Sep 71

Selective versus truncal vagotomy. A comprehensive study of fecal nitrogen and fat losses. Crow RW, et al. Am J Surg 121:684-8, Jun 71

Tubeless vagotomy and pyloroplasty and the "Gastrografin test". Davies NP, et al. Am J Surg 122:368-70, Sep 71

Duodenal ulcer stenosis with gastric dilatation. Treatment by vagotomy and pyloroplasty. Davis NP, et al. Am J Surg 121:260-2, Mar 71

A possible solution to the vagotomy-antrectomy and vagotomy-pyloroplasty controversy. Herrington JL Jr. Am J Surg 121:215-6, Mar 71

Vagotomy and the gastric ulcer. Kraft RO, et al. Am J Surg 121:122-8, Feb 71

Surgical management of diffuse hemorrhage from gastric mucosa. Matsumoto T, et al. Am J Surg 121:129-33, Feb 71

Clinical trial of vagotomy and pyloroplasty in the treatment of benign gastric ulcer. Sawyers JL, et al. Am J Surg 121:119-21, Feb 71

Trends in surgery for duodenal ulcer. Sonneland J. Am J Surg 121:255-9, Mar 71

Is it necessary to excise the duodenal ulcer with a Billroth I anastomosis? Sawyers JL, et al. Am Surg 37:150-4, Mar 71

Effect of truncal vagotomy on acid and pepsin responses to histamine in duodenal ulcer subjects. Rosato EF, et al. Ann Surg 173:63-6, Jan 71

Effect of ileal exclusion on the Heidenhain pouch acid response to histamine in dogs. Sa'k RP, et al. Ann Surg 173:67-77, Jan 71

Gastrojejunostomy. An unsatisfactory drainage procedure for vagotomy. Griffen WO Jr, et al. Arch Surg 103:140-6, Aug 71

Parietal cell vagotomy. Studies of gastric emptying and observations of protection from histamine-induced ulcer. Interone CV, et al. Arch Surg 102:43-4, Jan 71

Vagotomy and drainage procedures for duodenal ulcer incidence and effect of incomplete vagal section. Judd DR, et al. Arch Surg 102:242-7, Apr 71

Gastric decompression following vagotomy and drainage procedures. Kerry RL, et al. Arch Surg 102:248-50, Apr 71

Heineke-Mikulicz and Finney pyloroplasties. Effect on gastric emptying before and after vagotomy. Lulu DJ, et al. Arch Surg 102:512-5, May 71

Massive bleeding due to acute hemorrhagic gastritis. Lulu DJ, et al. Arch Surg 101:550-4, Nov 70

Vagotomy and submucosal blood flow. Effect in the canine stomach. Mackie DB, et al. Arch Surg 102:626-9, Jun 71

Vagotomy limited to the parietal cell mass. Preliminary patient studies. Miller B, et al. Arch Surg 103:153-7, Aug 71

Effect of vagotomy on serum gastrin in patients with duodenal ulceration. Byrnes DJ, et al. Australas Ann Med 19:240-3, Aug 70

Effect of vagotomy on serum gastrin in patients with duodenal ulceration. Hansky J, et al. Australas Ann Med 19:379-80, Nov 70

Dose response of gastric acid to insulin in patients with incomplete vagotomy. Baron JH, et al. Br J Surg 58:296, Apr 71

Gastric emptying of solid meals after vagotomy and pyloroplasty in humans. Cowley DJ, et al. Br J Surg 58:296, Apr 71

Vagotomy--an introduction to current problems. Cox AG. Br J Surg 58:295, Apr 71

Surgical treatment of gastric ulcers. Controlled comparison of Billroth-I gastrectomy and vagotomy and pyloroplasty. Duthie HL, et al. Br J Surg 57:784-7, Oct 70

The effect of vagotomy and a drainage procedure on alcohol tolerance. Fleming JA, et al. Br J Surg 58:92-6, Feb 71

Application of acid-output criterion for the insulin test to duodenal ulcer patients after vagotomy. Gillespie G, et al. Br J Surg 58:296, Apr 71

The comparative results of different operations in the elective treatment of duodenal ulcer. Goligher JC. Br J Surg 57:780-3, Oct 70

A new test for complete nerve section during vagotomy. Grassi G. Br J Surg 58:187-9, Mar 71

Effect of antroneurolysis on gastric secretion in dogs with total gastric fistula. Hall R, et al. Br J Surg 58:273-6, Apr 71

Pyloromyotomy: technique and use for gastric drainage combined with vagotomy. Marchand P. Br J Surg 58:225-8, Mar 71

Recovery of vagal nerve function after vagotomy. Smith IS, et al. Br J Surg 57:854-5, Nov 70

The evaluation of vagotomy and pyloroplasty in the treatment of duodenal ulcer in Nigerians: clinical and radiological study. Solanke TF, et al. Br J Surg 58:193-8, Mar 71

The long-term stability of the insulin test after partial vagotomy in the dog. Spencer J, et al. Br J Surg 58:510-2, Jul 71

The effect of selective gastric or extragastric vagotomy on gastric secretion in conscious cats. Spencer J, et al. Br J Surg 58:489-92, Jul 71

A comparison of serial insulin tests and electrical testing after vagotomy. Watkin DF, et al. Br J Surg 58:296, Apr 71

Serial gastric tests after highly selective vagotomy without drainage (H.S.V.)--comparison with truncal and selective vagotomy with drainage (T. V. and S.V.). Wilkinson AR, et al. Br J Surg 58:295, Apr 71

Selective vagotomy without drainage. Burge H. Br Med J 1:172-3, 16 Jan 71

A vagal paradox. Burge H. Br Med J 4:302-3, 31 Oct 70

Vagotomy and peptic ulcer. Ruckley CV. Br Med J 3:645, 12 Sep 70

Studies on the insulin test for completeness of vagotomy. Welbourn RB, et al. Bull Soc Int Chir 29:1-6, Jan-Feb 70

Effect of vagal denervation on insulin release after oral and intravenous glucose. Hakanson R, et al. Experientia 27:460-1, 15 Apr 71

Mucosal vasculature after truncal vagotomy. Halaris AE. Experientia 27:78-9, 15 Jan 71

Vagus pneumonia as membrane phospholipase activation. Imre S. Experientia 26:1093-4, 15 Oct 70

Selective vagotomy of the parietal cell mass preserving innervation of the undrained antrum. A preliminary report of results in patients with duodenal ulcer. Amdrup E, et al. Gastroenterology 59:522-7, Oct 70

Effect of unilateral vagotomy on gastric secretion in the ferret. Basso N, et al. Gastroenterology 61:207-12, Aug 71

The effect of graded insulin doses on incompletely vagotomized subjects. Isenberg JI, et al. Gastroenterology 59:696-700, Nov 70

110 highly selective vagotomies without drainage (HSV) for duodenal ulcer. Amdrup E, et al. Gut 11:1062, Dec 70

The effect of vagotomy on the intestinal transport of water and electrolytes. Bunch GA, et al. Gut 11:1061, Dec 70

Vagotomy and gallbladder function. Fagerberg S, et al. Gut 11:789-93, Sep 70

The selective nerve stain leucomethylene blue as an intraoperative aid to achieving complete vagotomy. Frimer ML, et al. Gut 11:881-2, Oct 70

Influence of immediately preceding insulin test on response to pentagastrin after highly selective vagotomy. Johnston D, et al. Gut 12:493-4, Jun 71

Changes in the postoperative insulin test in relation to recurrent duodenal ulceration. Watkin DF, et al. Gut 12:303-10, Apr 71

Selective gastric vagotomy. Anatomical, experimental and clinical observations. Inberg MV. Int Surg 54:323-31, Nov 70

Staining of the vagus nerve in vagotomy. Beesley WH. J Ir Med Assoc 63:451-2, Dec 70

Vagotomy in situs inversus totalis. Hennessy TP. J Ir Med Assoc 63:297, Aug 70

The significance of gastric juice analysis. Uthman SM. J Med Liban 23:355-8, 1970

Vagotomy and atropine antagonism of (plus or minus)-chloroacetyl carnitine chloride mediated blood pressure reduction in the rat. Cutroneo KR, et al. J Pharm Pharmacol 22:940-1, Dec 70

Pyloromyotomy, a new technique in conjunction with esophagectomy or repair of hiatus hernia with vagotomy. Chung EP, et al. J Thorac Cardiovasc Surg 61:282-6, Feb 71

Electromyographic studies on the mechanism of pylorospasm following vagotomy. Shiratori T. Jap J Smooth Muscle Res 6:141-6, Jun 70

Vagotomy and drainage for combined gastric and duodenal ulcers. Burge H. Lancet 1:1301, 19 Jun 71

Vagotomy for combined gastric and duodenal ulcer. Mackillop NC. Lancet 1:969, 8 May 71

Combined gastric and duodenal ulcers managed by vagotomy and drainage. Wasunna AE, et al. Lancet 1:722-3, 10 Apr 71

Selective gastric vagotomy for peptic ulceration. A review of 100 consecutive cases. Coupland GA, et al. Med J Aust 1:954-7, 1 May 71

Selective gastric vagotomy for peptic ulceration. Orr KB. Med J Aust 1:1294, 12 Jun 71

Osteomalacia following vagotomy and pyloroplasty. Mitchell AB, et al. Postgrad Med J 47:233-7, Apr 71

Evaluation of drainage procedures combined with vagotomy. Payne RA, et al. Proc R Soc Med 63:941-3, Sep 70

Functional and metabolic effects of vagotomy and pyloroplasty. Somayaji BN. Q J Med 39:441-60, Jul 70

Vagotomy of the parietal cell mass: experimental study and preliminary report in fifteen patients. Bombeck CT, et al. Rev Surg 27:367-8, Sep-Oct 70

Histology of the gastric mucosa after vagotomy and drainage for duodenal ulcer. Bank S, et al. S Afr Med J 44:1354-6, 28 Nov 70

Lactose malabsorption before and after truncal and selective vagotomy. Baislev I, et al. Scand J Gastroenterol 6:Suppl 9:71-4, 1971

The effect of metoclopramide (Primperan) on gastric motility before and after vagotomy in man. Stadaas J, et al. Scand J Gastroenterol 6:17-21, 1971

Serum cholesterol and triglyceride levels in human beings after vagotomy. Nighbert EJ, et al. Surg Forum 21:322-3, 1970

Alterations in biliary phospholipid: cholesterol ratios following vagotomy. Tompkins RK, et al. Surg Forum 21:396-7, 1970

Gastric bypass and pancreatic secretion. Ito C, et al. Surgery 69:526-32, Apr 71

The relationships of gastric transection and vagotomy to gastric emptying. Kilby JO, et al. Surgery 69:633-6, Apr 71

Selective and total vagotomy with suprapyloric antrectomy: a comparative study of gastric secretion and emptying in dogs. Kilby JO, et al. Surgery 69:702-7, May 71

Medical and surgical vagotomy. Sanders RJ. Surgery 66:986-93, Dec 69

[Investigations of the stomach during operation. Leukomethylene blue staining of the vagus nerve, intragastric pH measurement and congo red staining of the mucosa] Jensen HE, et al. Nord Med 85:235-7, 25 Feb 71 (Dan)

[Hydrochloric acid determination and vagotomy] Andersen D. Ugeskr Laeger 133:1001-2, 21 May 71 (Dan)

[Total vagotomy and pyloroplasty by Weinberg's method as the operation of choice in 190 patients with duodenal ulcer] La Cour Andersen J, et al. Ugeskr Laeger 133:975-9, 21 May 71 (Dan)

[Lipid absorption disorders following vagotomy associated with drainage] Grenier JF, et al. Acta Chir Belg 69:170-80, Mar 70 (Fre)

[Nocturnal intubation and chemical gastric acidity tests in the orientation of the surgical treatment of duodenal ulcer] Henrion C, et al. Acta Chir Belg 68:445-58, Sep 69 (Fre)

[Our experience of vagotomy in the treatment of perforated duodenal ulcer] Natale C, et al. Acta Gastroenterol Belg 32:628-35, Sep 69 (Fre)

[Surgical treatment of uncomplicated duodenal ulcer. Development of ideas and current views] Adloff M, et al. Ann Chir 24:1135-42, Oct 70 (Fre)

[Hemorrhagic complications following vagotomy] Hollender LF, et al. Arch Fr Mal App Dig 59:851-8, Oct-Nov 70 (Fre)

[Selective or total vagotomy?] Govaerts JP. Brux Med 50:1097-101, Dec 70 (Fre)

[Vagotomy versus gastrectomy] Lagrot F, et al. J Chir (Paris) 101:331-8, Mar 71 (Fre)

[Effect of vagotomy on cardiovascular reactions to posterior pituitary extracts in the rabbit and guinea pig] Lamarche M, et al. J Physiol (Paris) 1:Suppl 1:144, 1969 (Fre)

[Objective data and criteria of the differential surgery of gastroduodenal ulcer] Alexiu O, et al. Lyon Chir 67:96-8, Mar-Apr 71 (Fre)

[Surgical treatment of postbulbar ulcers. Apropos of 60 cases] Bertrand P, et al. Lyon Chir 67:161-8, May-Jun 71 (Fre)

[Treatment of duodenal ulcer by vagotomy at the Hôpital Girard et Robic of Tananarive] Blanc JF, et al. Med Trop (Mars) 29:37-50, Jan-Feb 69 (Fre)

[Difficult development of a patient after bilateral truncal vagotomy for duodenal ulcer] Ionescu, et al. Mem Acad Chir (Paris) 94:750-60, 1968 (Fre)

[Apropos of M. Lagrot's article entitled "Dispute" in vagotomy on selection, chemical tests and associated antrectomy] Mialaret J. Mem Acad Chir (Paris) 95:194-6, 1969 (Fre)

[Prognosis for vagotomized stomach] Rovati V, et al. Mem Acad Chir (Paris) 95:721-4, 1969 (Fre)

[The effects of vagotomy on the response to electrical stimulation of the carotid sinus nerves in rabbits] Chevalier-Choiat AM, et al. Pathol Biol (Paris) 18:823-8, Oct 70 (Fre)

[Inverse selective right vagotomy in odditis] Barrantes G. Presse Med 78:2192, 21 Nov 70 (Fre)

[Selective proximal vagotomy and peroperative control

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

tast of the vagal cutting] Grassi G.
Presse Med 79:768 passim, 3 Apr 71 (Fre)
[Vagotomy in the treatment of gastric ulcer] Moulié P.
Presse Med 78:2196, 21 Nov 70 (Fre)
[Place of vagotomy associated with derivation in treatment of duodenal ulcer] Schneiter R.
Rev Med Suisse Romande 89:1021-32, Nov 69 (Fre)
[Indications and results of the Dragstedt and pyloroplasty for bulbar ulcer] Lagadec B.
Sem Hop Paris 47:190-3, 14 Jan 71 (Fre)
[Postoperative gastro-jejunal ulcer in a woman previously vagotomised for duodenal ulcer] Roux M, et al. Sem Hop Paris 46:2589-91, 14 Oct 70 (Fre)
[Recurrence of duodenal ulcer after technically imperfect vagotomy and pyloroplasty] Roux M, et al.
Sem Hop Paris 47:1505-6, 14 May 71 (Fre)
[Emergency treatment of perforated ulcer by vagotomy and pyloroplasty] Lafrance R, et al.
Union Med Can 98:1171-3, Jul 69 (Fre)
[Vagotomy: a new erroneous pathway in ulcer surgery?] Berndt H.
Dtsch Med Wochenschr 96:1022-3, 4 Jun 71 (Ger)
[Vagotomy: another false step in ulcer-surgery? Results and indication] Bünte H.
Dtsch Med Wochenschr 96:633-4 passim, 9 Apr 71 (Ger)
[Vagotomy: another wrong way in ulcer surgery?] Kirschner H, et al.
Dtsch Med Wochenschr 96:1063-4, 11 Jun 71 (Ger)
[Reliability of postoperative gastric secretion studies in determining the completeness of a vagotomy] Madarasz Z, et al.
Helv Chir Acta 38:188-94, Apr 71 (Ger)
[Secretory analysis of stomach function--a differential diagnostic possibility for the choice of surgical methods in the treatment of recurrencies] Schultis K.
Langenbecks Arch Chir 322:712-7, 1968 (Ger)
[Studies on stomach motility following surgery of the vagus nerve] Welsch KH.
Langenbecks Arch Chir 322:706-12, 1968 (Ger)
[Clinical experiences with vagotomy] Kaspar F.
Med Klin 66:915-20, 18 Jun 71 (Ger)
[Vagotomy in peptic ulcer] Bünte H.
Med Welt 22:1047, 30 May 70 (Ger)
[In-vivo staining of vagus fibers during vagotomy] Berchtold R, et al.
Schweiz Med Wochenschr 100:1216-7, 11 Jul 70 (Ger)
[Vagotomy in duodenal ulcer] Eckmann L.
Schweiz Med Wochenschr 101:525-30, 17 Apr 71 (Ger)
[Control of completeness of vagotomy following peroperative vital staining of vagus fibers] Maurer W, et al.
Schweiz Med Wochenschr 101:751-2, 22 May 71 (Ger)
[Comparative interpretation of vagotomy with 2-desoxy-D-glucose test and insulin test] Stalder GA, et al.
Schweiz Med Wochenschr 101:749-50, 22 May 71 (Ger)
[Experiences with selective vagotomy and pyloroplasty in ulcus ventriculi and duodeni] Glauch D.
Zentralbl Chir 95:1098-100, 12 Sep 70 (Ger)
[Anatomo-surgical bases of selective vagotomy. (Anatomosurgical contribution)] Sebastiani M, et al.
Biol Lat 22:89-99, Apr-Jun 69 (Ita)
[Effect of vagotomy on gestation (experimental study on rats)] Vassanelli P, et al.
Chir Ital 21:192-209, Apr 69 (Ita)
[Current trends in the study of gastric secretion in relation to the choice of surgical operation in ulcer] Bracco LL, et al.
Minerva Chir 25:94-106, 31 Jan 70 (74 ref.) (Ita)
[Vagotomy in ulcer patients over 60 years of age] Grassi G, et al. Minerva Chir 26:78-81, 31 Jan 71 (Ita)
[Re-operation after vagotomy for duodenal ulcer] Alagni G, et al. Minerva Med 61:3553-4, 29 Aug 70 (Ita)
[Complications and mortality after vagotomy for duodenal ulcer] Fantoni PA, et al.
Minerva Med 61:3559-61, 29 Aug 70 (Ita)
[On my current experience in the treatment of gastroduodenal ulcer with vagotomy] Grassi G.
Minerva Med 61:3565-6, 29 Aug 70 (Ita)
[Clinical radiology of the stomach after vagotomy and associated operations] Placanica A, et al.
Nunt Radiol 35:357-93, Apr 69 (Ita)
[Selective vagotomy and pyloroplasty in duodenal ulcer] Shimazu H, et al.
Shujutsu 24:1250-7, Oct 70 (Jap)
[Gastric vagotomy, fixation of the paries anterior and pyloroplasty as surgery in duodenal ulcer] Hirota K.
Surg Ther (Osaka) 24:25-31, Jan 71 (Jap)
[Effect of cervical vagosympathectomy on the volume of body fluids in dogs] Sobocińska J.
Acta Physiol Pol 21:857-62, Sep-Oct 70 (Pol)
[Effect of vagotomy on the rhythm activity of respiratory centers in artificially ventilated animals] Trippenbach T. Acta Physiol Pol 21:727-40, 1970 (Pol)
[Activity of alkaline phosphatase following total and selective vagotomy] Lewicki K.
Pol Przegl Chir 43:553-7, 1971 (Pol)
[Pattern of prothrombin time in patients subjected to total and selective vagotomy in treatment of ulcerous disease of the duodenum] Lewicki K.
Pol Przegl Chir 43:559-63, 1971 (Pol)
[Behavior of alanine and aspratate aminotransferases in patients having undergone total and selective vagotomy for peptic ulcer of the duodenum] Lewicki K. Pol Przegl Chir 43:545-52, 1971 (Pol)
[Treatment of duodenal ulcer with vagotomy and pylorus resection] Wysocki A, et al.
Pol Przegl Chir 42:1282-6, Sep 70 (Pol)
[Evaluation of treatment of duodenal ulcer by way of severing of the vagus nerves and plastic surgery of the pylorus at the Department of Surgery of the Tarnów Municipal Hospital] Gontaszewski A, et al.
Przegl Lek 28:368-70, 1971 (Pol)
[Shape of the blood sugar curve after insulin administration in patients with duodenal ulcer after vagotomy] Popiela T, et al.
Przegl Lek 26:826-8, 1970 (Pol)
[Treatment of duodenal ulcer by total vagotomy and pyloroplasty] Popiela T, et al.
Przegl Lek 26:833-42, 1970 (Pol)
[New method of studying the maximum gastric secretory activity and the completeness of vagotomy] Popiela T, et al. Przegl Lek 26:847-50, 1970 (Pol)
[Gastric secretion of electrolytes in patients with duodenal ulcer treated by radical vagotomy and pyroloplasty] Szafran Z, et al.
Przegl Lek 26:820-3, 1970 (Pol)
[Vagotomy in the treatment of gastroduodenal ulcer] Pietri P, et al.
Resen Clin Cient 38:117-21, May-Jun 69 (Por)
[Vagotomies: analysis of their position in the treatment of gastroduodenal peptic ulcer] Mello JB de, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:75-82, Apr 71 (109 ref.) (Por)
[Post-denervation atrophy of cardiac muscle] Barta E, et al. Biull Eksp Biol Med 66:26-9, Aug 68 (Rus)
[Selective vagotomy in duodenal ulcers] Arveiadze AM, et al. Khirurgiia (Mosk) 47:46-50, Mar 71 (Rus)
[Surgery of gastroduodenal ulcer] Berezov IuE, et al.
Khirurgiia (Mosk) 46:30-6, Apr 70 (Rus)
[Proximal selective vagotomy] Fuks BI, et al.
Khirurgiia (Mosk) 47:42-6, Mar 71 (Rus)
[Evaluation of methods of surgical treatment of peptic ulcer] Kolomiichenko MI, et al.
Khirurgiia (Mosk) 46:16-22, Jun 70 (Rus)
[Vagotomy in srgery of peptic ulcer] Maiat VS, et al.
Khirurgiia (Mosk) 46:28-35, Jun 70 (Rus)
[The technic of vagotomy and gastric resection for peptic ulcer] Savel'ev VS, et al.
Khirurgiia (Mosk) 47:37-42, Mar 71 (Rus)
[Principles of surgical treatment of gastric and duodenal ulcers] Shalimov AA, et al.
Khirurgiia (Mosk) 46:23-8, Jun 70 (Rus)
[Immediate and remote results of vagotomy in duodenal ulcer] Uteshev NS, et al.
Khirurgiia (Mosk) 46:35-9, Jun 70 (Rus)
[Neurohumoral and morphologic aspects of vagotomy in repeat surgery for peptic ulcer] Komorovskiĭ IuT, et al. Klin Khir 2:19-24, Feb 71 (Rus)
[Treatment of diarrhea and stomach motor disorders developing after vagotomy] Kurygin AA, et al.
Klin Med (Mosk) 49:65-8, Jan 71 (Rus)
[Vagotomy and pyloroplasty in surgery for duodenal ulcer] Pantsyrev IuM, et al.
Vestn Khir 104:74-9, Apr 70 (Rus)
[The value of vagotomy in surgery for stomach and duodenal ulcer] Savel'ev VS, et al.
Vestn Khir 104:80-5, Apr 70 (Rus)
[Technic of selective vagotomy in the treatment of peptic ulcer] Sergin GS.
Vestn Khir 104:134-5, Jun 70 (Rus)
[Our experience in treating peptic ulcer by vagotomy] Chakyrov A, et al.
Zh Eksp Klin Med 8:102-4, 1968 (Rus)
[Analysis of pneumogastric resection in the treatment of gastroduodenal ulcer] Madden JL, et al.
Prensa Med Argent 57:1299-304, 28 Aug 70 (Spa)
[Surgical tactics in ulcerogenic gastroduodenal disease] Russo AG.
Prensa Med Argent 57:1777-81, 20 Nov 70 (Spa)
[Postvagotomy syndromes] Aza Gonzalez J.
Rev Esp Enferm Apar Dig 33:303-12, 1 Feb 71 (Spa)
[Effect of bilateral selective vagotomy without drainage on the spontaneous secretion and maximum response with histamine in duodenal ulcer] Del Rio J, et al.
Rev Esp Enferm Apar Dig 31:465-72, 1 Jun 70 (Spa)
[Selective vagotomy without drainage in the treatment of duodenal ulcer. Preliminary evaluation] De Miguel J. Rev Esp Enferm Apar Dig 31:337-50, 15 May 70 (Spa)
[Findings on early physiopathology of the gastric surgical patient and evaluation of gastrointestinal depletion] Diez Cascon A, et al.
Rev Esp Enferm Apar Dig 33:395-422, 15 Oct 70 (Spa)
[Vagotomy and pyloroplasty in the treatment of massive hemorrhages caused by gastroduodenal ulcer] Ferreira Montero V.
Rev Esp Enferm Apar Dig 34:165-82, 15 Apr 71 (Spa)
[Medical vagotomy] Freytes MA, et al.
Rev Esp Enferm Apar Dig 30:665-70, 15 Mar 70 (Spa)
[Lactose tolerance test and medical vagotomy] Freytes MA, et al.
Rev Esp Enferm Apar Dig 34:395-8, 15 May 71 (Spa)
[Acute postoperative pancreatitis in gastroduodenal surgery] Sandberg Haedo JM, et al.
Rev Esp Enferm Apar Dig 32:747-54, 1 Dec 70 (Spa)
[5-year results after total vagotomy with resection of pyloroplasty] Berger T, et al.
Nord Med 86:885, 22 Jul 71 (Swe)
[Selective proximal vagotomy without pyloroplasty in treatment od duodenal ulcer] Moberg S, et al.
Nord Med 86:884, 22 Jul 71 (Swe)

ADVERSE EFFECTS

Accidental transection of the ampulla of Vater at surgery for duodenal ulcer. Clemmesen T, et al.
Acta Chir Scand 136:497-502, 1970
[Gastric stasis after vagotomy] Benoit D, et al.
Acta Otorhinolaryngol Belg 23:307-14, 1969
Gastric stasis after vagotomy and pyloroplasty. Hoeffel JC, et al. Am J Surg 122:365-7, Sep 71
Hemopneumothorax following transabdominal vagotomy. Marty AT, et al. Am Surg 36:674-5, Nov 70
Dumping after vagotomy and pyloroplasty. Colmer MR.
Ann R Coll Surg Engl 48:5-6, Jan 71
Transabdominal vagectomy and lower esophageal function. Blackman AH, et al. Arch Surg 102:6-8, Jan 71
Cricopharyngeal myotomy. Application and technique in major oral-pharyngeal resections. Mladick RA, et al.
Arch Surg 102:1-5, Jan 71
Chylous ascites following vagotomy. Clain A.
Br J Surg 58:312-4, Apr 71
Gastric incontinence and post-vagotomy diarrhoea. McKelvey ST. Br J Surg 57:741-7, Oct 70
Surgery for duodenal ulcer. Lee M.
Br Med J 3:709-10, 19 Sep 70
Vagotomy diarrhoea. Mance RM.
Br Med J 3:247, 24 Jul 71
The influence of vagotomy on the normal and diseased gallbladder. Schein CJ, et al. Digestion 3:243-50, 1970
The vagus, the bile, and gallstones. Bouchier IA.
Gut 11:799-803, Sep 70 (53 ref.)
Disaccharidase levels in the small intestine in patients with diarrhoea following vagotomy and pyloroplasty. Garcia-Paredes J, et al. Gut 12:107-9, Feb 71
Recurrent ulcer and postvagotomy gastric acid secretion. Ruckley CV, et al. Gut 11:1061-2, Dec 70
The relationship of gastric secretion to anemia over 15 years following vagotomy and gastroenterostomy. Wheldon EJ, et al. Gut 11:1056, Dec 70
Ischemic electrocardiographic changes after truncal vagotomy. Gallivan GJ, et al.
JAMA 211:798-801, 2 Feb 70
Complication of selective vagotomy. Spencer J, et al.
Lancet 2:434, 21 Aug 71
Gastric outlet obstruction after vagotomy. Smith RS.
Northwest Med 70:36-40, Jan 71
Remedial operation for dumping syndrome and-or postvagotomy diarrhea. Sawyers JL, et al.
South Med J 64:589-91, May 71
Herrington JL Jr,+HERRINGTON JL JR: Antiperistaltic jejunal segments for control of the dumping syndrome and postvagotomy diarrhea. Sawyers JL. Surgery 69:263-7, Feb 71
[Postvagotomy syndromes] Alexiu O, et al.
Acta Gastroenterol Belg 33:30-42, Jan 70 (Fre)
[The effect of vagotomy upon the secretion of acid, electrolytes, pepsin and nitrogen components] André R, et al.
Acta Gastroenterol Belg 32:877-947, Dec 69 (Fre)
[Gastrointestinal repercussions of selective and total vagotomy] Govaerts JP.
Acta Gastroenterol Belg 33:577-615 contd, Aug-Sep 70 (Fre)
[The digestive repercussions of selective and total vagotomy] Govaerts JP.
Acta Gastroenterol Belg 33:482-541, Jul 70 (Fre)
[Exploration of pancreatic activity after total subdiaphragmatic vagotomy with pyloroplasty] Zotti EF, et al.
Acta Gastroenterol Belg 33:43-50, Jan 70 (Fre)
[A rare complication of vagotomy by abdominal route] Contamin C, et al. Experientia 27:372-3, 15 Jan 71 (Fre)
[Gastric stasis after vagotomy] Benoit D, et al.
J Chir (Paris) 101:307-14, Mar 71 (Fre)
[Dysphagia after vagotomy: radiologic aspects] Adloff M, et al.
J Radiol Electrol Med Nucl 51:418-9, Jun-Jul 70 (Fre)
[Gastric stasis after vagotomy] Benoit D, et al.
J Radiol Electrol Med Nucl 52:275-8, May 71 (Fre)
[Postoperative ulcers after vagotomy and pyloroplasty] Combemale B, et al.
Lille Med 16:442-4, Mar 71 (Fre)
[Prolonged steatorrhea after vagotomy for ulcer] Tolot F, et al. Lyon Med 222:229-32, 7 Sep 69 (Fre)
[Comparison of nutritional states after gastrectomy and vagotomy] Henrion C.
Mem Acad Chir (Paris) 95:644-8, Oct 69 (Fre)
[Lactose malabsorption in stomach surgery patients] Gudmand-Hoyer E.
Rev Med Suisse Romande 89:1049-54, Nov 69 (Fre)
[Glycoregulation in vagotomy patients having undergone drainage operation] Hillemand B.
Sem Hop Paris 46:318-9, 26 Jan 70 (Fre)
[Chronic digestive disorders in vagotomy patients] Cornet A, et al. Sem Ther 44:235-7, Apr 68 (Fre)
[Cardiospasm following selective gastric vagotomy] Roth H.
Schweiz Med Wochenschr 100:1232-3, 11 Jul 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Mesenteric blood flow after vagotomy] Butti A, et al.
Chir Patol Sper 17:273-81, Oct 69 (Ita)
[2 cases of very grave visceroplegia after truncal vagotomy] Alagni G, et al.
Minerva Med 62:717-9, 24 Feb 71 (Ita)
[Choleriform diarrhea after truncal vagotomy] Preiog M, et al. Minerva Med 62:764-5, 24 Feb 71 (Ita)
[Morphologic changes in the organs of the gastrointestinal tract following selective vagotomy (experimental study)] Karpov PF, et al.
Klin Khir 4:38-41, 1971 (Rus)
[Postvagotomy cardio-hiatal competence] Iorio A, et al.
Prensa Med Argent 57:2158-60, 29 Jan 71 (Spa)
[Post-vagotomy and pyloroplasty gastric ulcer] Tomatis HP, et al.
Prensa Med Argent 57:1548-50, 9 Oct 70 (Spa)
[Effect of selective vagotomy without drainage on the function of the gallbladder] De Miguel J.
Rev Esp Enferm Apar Dig 31:577-86, 15 Jun 70 (Spa)

VAGUS NERVE (A8)

Bilateral neurofibroma of the intrathoracic vagus associated with von Recklinghausen's disease. Newman A, et al.
Am J Roentgenol Radium Ther Nucl Med 112:389-92, Jun 71
The blood supply of chemodectomas of the head and neck: report of two cases. el-Gammal T.
Br J Radiol 44:515-8, Jul 71
Autovagotomy and gastric bezoar. A case report. Kirks DR, et al. Gastroenterology 61:96-8, Jul 71
[Representation of the cystic nerve of the gallbladder in the cerebral cortex] Lindemann M.
Acta Biol Med Ger 24:71-82, 1970 (Ger)
[A case of herpes zoster of the vagus nerve with paresis of the recurrent nerve and partial deglutition paralysis] Grüter L. HNO 17:278-9, Sep 69 (Ger)
[Neurofibroma of the nervus vagus] Skurczynski W.
Monatsschr Ohrenheilkd Laryngorhinol 105:34-7, 1971 (Ger)
[Effect of unilateral blocking of the vagus nerve on the Hering-Breuer reflex due to pulmonary insufflation and on hyperventilation caused by hypoxia and hypercapnia] Sant'Ambrogio G, et al.
Boll Soc Ital Biol Sper 47:90-2, 15 Feb 71 (Ita)
[Considerations on 2 cases of neurogenic tumor of the intrathoracic vagus] Boario U, et al.
Cancro 21:573-84, 1968 (Ita)
[9 cases of neurinoma of the cranial nerves. Preliminary note] Piuchino F, et al.
Minerva Neurochir 14:85-8, Apr-Sep 70 (Ita)
[Neurinoma of the cervical vagus nerve: anatomo-clinical and therapeutic considerations] Zarrilli L, et al.
Rass Int Clin Ter 50:887-97, 31 Jul 70 (Ita)
[Conservation of the vagus nerve in gastrectomy] Masiukova EM, et al.
Khirurgiia (Mosk) 46:39-42, Jun 70 (Rus)
[Chemodectoma of the vagus nerve] Vtiurin BM, et al.
Klin Khir 2:39-45, Feb 71 (Rus)
[Vagus nerve tumors in the neck] Lur'e AS, et al.
Vestn Khir 102:23-6, May 69 (Rus)
[Method of novocaine ganglionic vagus block to eliminate acute onsets of bronchial asthma] Uglov FG, et al. Vestn Khir 105:14-6, Jul 70 (Rus)
[A method of selective dye to locate the vagus nerve in vagotomy] Lee M.
Prensa Med Argent 57:1305-6, 28 Aug 70 (Spa)

ABNORMALITIES

[Anatomical abnormalities of the abdominal vagus nerve and their incidence in operated patients] Langer L. Rozhl Chir 50:297-301, 1971 (Cze)

ANATOMY & HISTOLOGY

Selective gastric vagotomy. Anatomical, experimental and clinical observations. Inberg MV.
Int Surg 54:323-31, Nov 70
Localization in the dorsal motor nucleus of the vagus in the rat. Lewis PR, et al. J Anat 107:197-208, Sep 70
Medullary cells of origin of vagal cardioinhibitory fibers in the pigeon. I. Anatomical studies of peripheral vagus nerve and the dorsal motor nucleus. Cohen DH, et al. J Comp Neurol 140:299-320, Nov 70
Staining of the vagus nerve in vagotomy. Beesley WH.
J Ir Med Assoc 63:451-2, Dec 70
[In-vivo staining of vagus fibers during vagotomy] Berchtold R, et al.
Schweiz Med Wochenschr 100:1216-7, 11 Jul 70 (Ger)
[Anatomo-surgical bases of selective vagotomy. (Anatomosurgical contribution)] Sebastiani M, et al.
Biol Lat 22:89-99, Apr-Jun 69 (Ita)
[Comparative structural and ultrastructural aspects of some encephalic nerves. II. Preliminary histological and polaroscopic findings on the vagus nerve in Ovis aries] Russo E.
Boll Soc Ital Biol Sper 45:1642-3, 31 Dec 69 (Ita)
[Internal branch of the accessory nerve in Californian sea lions] Glenc J.
Folia Morphol (Warsz) 30:191-5, 1971 (Pol)
[Forms of the vagus trunk and their distribution in the esophageal hiatus in man] Kurylcio L.
Folia Morphol (Warsz) 30:79-91, 1971 (Pol)
[Anatomy and topography of the subdiaphragmatic segments of the vagus trunks in cat] Lewicki K.
Folia Morphol (Warsz) 30:93-6, 1971 (Pol)
[Quantitative analysis of the role of the vagus nerve in the formation of the afferent arm of the hypoglossal nerve] Zimny R, et al.
Folia Morphol (Warsz) 30:197-205, 1971 (Pol)
[Source of innervation of hepatic veins] Sapozhkova MIa. Arkh Anat Gistol Embriol 58:107-10, 1970 (Rus)

CYTOLOGY

Trophic influence of in vivo transplanted sensory neurons on taste buds. Zalewski AA.
Exp Neurol 29:462-7, Dec 70

DRUG EFFECTS

On the phenomenon of vagal escape in dogs. Srinivasan S, et al. Arch Int Pharmacodyn Ther 185:71-5, May 70
Reflex apnea, bradycardia, and hypotension produced by serotonin and phenyldiguanide acting on the nodose ganglia of the cat. Jacobs L, et al.
Circ Res 29:145-55, Aug 71
Stabilization of excitable membrane by chronic administration of diphenylhydantoin. Julien RM, et al.
J Pharmacol Exp Ther 175:206-12, Oct 70
Effects of ganglionic and cholinergic blocking drugs on the pressor response to central vagal stimulation. Pedersoli WM. Pharmacology 4:120-8, 1970
[Central vagus and sympathetic-stimulating effects of cyanide and its significance for the circulation] Tauberger G.
Arch Int Pharmacodyn Ther 183:61-6, Nov 70 (Ger)
[Influence of a flavonoid (disodium salt of the disulfuric acid ester of 4-methylesculetol) and of ascorbic acid on the chronotropic effect of vagus stimulation in mammals] Bettini V, et al.
Boll Soc Ital Biol Sper 46:847-50, 30 Oct 70 (Ita)
[The role of afferent impulsation in the mechanism of autonomic reactions caused by aconitine and veratrine] Bobkov IuG.
Biull Eksp Biol Med 66:55-9, Sep 68 (Rus)

METABOLISM

The effect of ouabain and ouabagenin on active transport of sodium and potassium in vagus nerve fibres. Wespi HH, et al.
Arch Int Pharmacodyn Ther 181:307-15, Oct 69
Fast and slow components of axoplasmic transport in the hypoglossal and vagus nerves of the rabbit. Sjöstrand J. Brain Res 18:461-7, 17 Mar 70
The binding of tritiated ouabain to mammalian non-myelinated nerve fibres. Landowne D, et al.
J Physiol (Lond) 207:529-37, Apr 70
Uptake and release of calcium in rabbit vagus nerve. Kalix P. Pflugers Arch 326:1-14, 1971

PATHOLOGY

Electron microscope observations on aberrant regeneration of unmyelinated axons in the vagus nerve of the rabbit. King RH, et al.
Acta Neuropathol (Berl) 18:150-9, 1971
[Neurohumoral and morphologic aspects of vagotomy in repeat surgery for peptic ulcer] Komorovskii IuT, et al. Klin Khir 2:19-24, Feb 71 (Rus)

PHYSIOLOGY

The effect of sympathetic nerve stimulation on pulmonary blood volume in isolated perfused lungs. Aarseth P, et al. Acta Physiol Scand 81:448-54, Apr 71
Circulatory effects of interruption and stimulation of cardiac vagal afferents. Oberg B, et al.
Acta Physiol Scand 80:383-94, Nov 70
Vagal component of the chronotropic response to baroreceptor stimulation in man. Greene NM, et al.
Am Heart J 82:22-7, Jul 71
Effect of gastric vagal denervation on inhibition of acid secretion by secretin. Brooks AM, et al.
Am J Dig Dis 16:193-202, Mar 71
Effect of vagotomy and-or antrectomy on gastric secretion stimulated by intravenous infusion of bethanechol chloride. Study on rats with gastric fistula. Kowalewski K. Am J Dig Dis 16:19-28, Jan 71
Gastric motility inhibition and excitation elicited by vagal stimulation. Burns TD, et al.
Am J Physiol 221:226-9, Jul 71
Frequency response model of vagal control of heart rate in the cat. Chess GF, et al.
Am J Physiol 220:554-7, Feb 71
Model of dynamic behavior of heart period during bilateral vagal stimulation in the cat. Chess GF, et al.
Am J Physiol 221:593-6, Aug 71
Vagal activity in canines: a possible connection to hyperventilation syndrome. Rao LN, et al.
Anesth Analg (Cleve) 49:351-4, May-Jun 70
Vagal stimulation of the exocrine pancreas. Eisenberg MM, et al. Ann Surg 173:462-6, Mar 71
Vagotomy and submucosal blood flow. Effect in the canine stomach. Mackie DB, et al.
Arch Surg 102:626-9, Jun 71
The effect of vagotomy on the histamine content of the gastrointestinal tract. Reichle FA, et al.
Arch Surg 103:133-9, Aug 71
The effect of isoprenaline on the responses of the guinea-pig isolated heart to vagal stimulation and to acetylcholine. Hadházy P.
Br J Pharmacol 40:585P+, Nov 70
Effects of isoprenaline and aminophylline on the chronotropic responses of the isolated guineapig heart to vagal stimulation and acetylcholine. Hadhazy P. Br J Pharmacol 42:364-70, Jul 71
Role of the vagus nerves in anaphylaxis and histamine-induced bronchoconstrictions in guinea-pigs. Mills JE, et al.
Br J Pharmacol 39:724-31, Aug 70
The effects of vagotomy and coeliac ganglionectomy on the innervation of the canine gall-bladder. Dowling BL. Br J Surg 58:303, Apr 71
Recovery of vagal nerve function after vagotomy. Smith IS, et al. Br J Surg 57:854-5, Nov 70
Cerebellar modulation of reflex vagal bradycardia. Hockman CH, et al. Brain Res 23:101-4, 29 Sep 70
Effect of vagotomy on the acid response to gastric distension. Preshaw RM.
Can J Physiol Pharmacol 48:670-4, Oct 70
Effect of timing of vagal stimulation on heart rate in the dog. Dong E Jr, et al. Circ Res 27:635-46, Nov 70
Exocrine pancreatic secretion after selective and truncal vagotomy in the dog. Thambugala RL, et al.
Clin Sci 41:6P-7P, Aug 71
The influence of vagotomy on the normal and diseased gallbladder. Schein CJ, et al. Digestion 3:243-50, 1970
Evoked cortical responses to vagal, laryngeal and facial afferents in monkeys under chloralose anaesthesia. O'Brien JH, et al.
Electroencephalogr Clin Neurophysiol 31:7-20, Jul 71
The role of endogenous gastrin in the activation of gastric histidine decarboxylase in the rat. Effect of antrectomy and vagal denervation. Håkanson R, et al.
Eur J Pharmacol 12:94-103, 1 Sep 70
Reflex responses in the sympathetic and vagal nerve evoked by reticular stimulation during sleep and wakefulness. Baust W, et al.
Exp Brain Res 112:370-8, 26 May 71
Approach to a quantitative differentiation between the respiratory effects evoked from the lung stretch and the lung deflation receptors during thoracic compression. Koller EA, et al.
Experientia 27:163-4, 15 Feb 71
Chronic effects of nicotine on gastric secretion in vagotomized rats. Thompson JH, et al.
Experientia 27:404-5, 15 Apr 71
Effect of selective and truncal vagotomy on insulin-stimulated bile secretion in dogs. Geist RE, et al. Gastroenterology 60:566-71, Apr 71
Effect of vagotomy on pancreatic secretion stimulated by endogenous and exogenous secretin. Moreland HJ, et al. Gastroenterology 60:425-31, Mar 71
The vagus, the bile, and gallstones. Bouchier IA. Gut 11:799-803, Sep 70 (53 ref.)
Reduction in mucosal blood flow as a factor in the decreased response to gastrin after vagotomy. Harper AA, et al. Gut 11:1061, Dec 70
A study of vagal tone in giri students. Kapoor SR, et al.
Indian J Physiol Pharmacol 14:15-8, Jan 70
Medullary cells of origin of vagal cardioinhibitory fibers in the pigeon. II. Electrical stimulation of the dorsal motor nucleus. Cohen DH, et al.
J Comp Neurol 140:321-42, Nov 70
Effect of vagal stimulation on duodenal serotonin in the guinea pig. Hohenleitner FJ, et al.
J Pharm Sci 60:471-2, Mar 71
Vagal adrenergic degranulation of enterochromaffin cell system in guinea pig duodenum. Tansy MF, et al.
J Pharm Sci 60:81-4, Jan 71
Synaptic transmission in the superior cervical ganglion of the cat after reinnervation by vagus fibres. Ceccarelli B, et al. J Physiol (Lond) 216:67-98, Jul 71
The cite of action of nerves in the pulmonary vascular bed in the dog. Daly I de B, et al.
J Physiol (Lond) 209:317-39, Aug 70
Changes in electrical conductance of the cat pancreas on vagal stimulation. Greenwell JR, et al.
J Physiol (Lond) 211:Suppl:31P+, Dec 70
The role of non-myelinated vagal afferent fibres from the lungs in the genesis of tachypnoea in the rabbit. Guz A, et al. J Physiol (Lond) 213:345-71, Mar 71
The secretion of pancreatic juice in response to stimulation of the vagus nerves in the pig. Hickson JC.
J Physiol (Lond) 206:275-97, Feb 70
The secretory and vascular response to nervous and hormonal stimulation in the pancreas of the pig. Hickson JC. J Physiol (Lond) 206:299-322, Feb 70
The effect of cervical cord transection on cardiovascular responses mediated by the vagus nerves. Joy MD, et al.
J Physiol (Lond) 212:27P-28P, Jan 71
Contractile and electrical responses of vagus-innervated frog sartorius muscles. Landmesser L. J Physiol (Lond) 213:707-25, Mar 71
The flow of juice from the pancreatic gland of the cat in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

response to vagal stimulation. Lenninger S, et al. J Physiol (Lond) 216:303-18, Jul 71
Afferent vagal fibres with an expiratory discharge in the rabbit. Luck JC. J Physiol (Lond) 211:63-71, Nov 70
Analysis of the vestibulo-vagal response. Kubo S, et al. J Physiol Soc Jap 33:403-4, 1971
Effects of cardiac nerve stimulation on ventricular arrhythmias after coronary occlusion. Sugimoto T, et al. Jap Heart J 12:368-75, Jul 71
Inhibition by parasympathetic nerve stimulation of the release of the adrenergic transmitter. Löffelholz K, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:181-4, 1970
Inhibition of reflex vagal bradycardia by diazepam. Hockman CH, et al.
Neuropharmacology 10:307-14, May 71
[Respiratory response to isolated changes of cerebrospinal fluid pH: studies of anesthetized and decerebrate cats before and during vagus nerve blockade. Berger W, et al.
Pfluegers Arch 325:287-304, 1971
Influences on the respiratory rhythm originating from the lungs and the chest wall. Camporesi E, et al. Pfluegers Arch 324:311-8, 1971
The role of the vagus nerve in cardiac adaptation to exercise. Goldstone BW, et al.
Pfluegers Arch 325:113-24, 1971
Quantitative effect of vagal stimulation on heart interval in newborn and older rabbits. Versprille A, et al. Pfluegers Arch 325:61-76, 1971
The cardiac-somatic relationship: some reformulations. Obrist PA, et al. Psychophysiology 6:569-87, Mar 70
Origin and regulation of spontaneous deep breaths. Bartlett D Jr. Resp Physiol 12:230-8, Jun 71
Studies on the role of the lung deflation reflex. Koller EA, et al. Resp Physiol 10:172-83, Sep 70
Apneustic breathing after vagotomy in cats with chronic pneumotaxic center lesions. St. John WM, et al. Resp Physiol 12:239-50, Jun 71
Effect of insulin on acid and pepsin secretion in vagotomized and non-vagotomized patients already stimulated by pentagastrin. Limbosch JM, et al. Scand J Gastroenterol 6:183-7, 1971
A study of the effects of unilateral vagus nerve block in a dyspnoeic patient. Berglund E, et al.
Scand J Resp Dis 52:24-8, 1971
Supraopticneurosecretory cells: autonomic modulation. Barker JL, et al.
Science 171:206-7, 15 Jan 71
Postvagotomy serotonin depletion in mucosal mast cells of the rat stomach. Weichert RF 3d, et al. Surg Forum 21:318-20, 1970
A vagosympathetic pathway capable of influencing common bile duct motility in the dog. Tansy MF, et al. Surg Gynecol Obstet 133:225-36, Aug 71
Fatigue of the antral gastrin mechanism following electrical vagal stimulation. Molina JE, et al. Surgery 69:680-5, May 71
Simultaneous observation of gastric motor and secretory response to vagal stimulation in normal and diabetic dogs. Sugawara K, et al.
Surgery 70:325-33, Sep 71
[Studies on the problems of cerebral blood circulation regulation. IV. Role of pneumogastric and cervical sympathetic nerves in the regulation of cerebral blood circulation] Kopa J, et al.
Acta Physiol Acad Sci Hung 38:347-57, 1970 (Fre)
[Topography of the projections of visceral sensitivity on the cerebral cortex of the cat. II. Study of the cortical projections of the cervical vagus in the cat anesthetized with chloralose] Aubert M.
Arch Ital Biol 108:447-61, Aug 70 (Fre)
[New technic for identification of vagal afferents projecting on the cerebral cortex] Aubert M, et al.
C R Soc Biol (Paris) 164:1063-7, 1970 (Fre)
[Effects of vagus nerve stimulation on blood insulin in the dog] Orsetti A, et al.
C R Soc Biol (Paris) 164:1573-7, 1970 (Fre)
[Vago-aortic stimulations, masseteric reflex and respiratory activity] Puizillout JJ, et al.
C R Soc Biol (Paris) 164:1068-74, 1970 (Fre)
[Bulbar effects of soporific vago-aortic stimulation] Puizillout JJ, et al.
C R Soc Biol (Paris) 164:1783-91, 1970 (Fre)
[Study in the rabbit of the electrical activity of respiratory neurons of the brain stem. I. The effect of vagotomy and of the injection of histamine] Bystrzycka E, et al.
Electroencephalogr Clin Neurophysiol 29:363-72, Oct 70 (Fre)
[Gastrointestinal vagal mechanoreceptors in the cat] Mei N. Exp Brain Res 11:502-14, 1970 (Fre)
[Cardiovascular and respiratory vagal mechanoreceptors in the cat] Mei N.
Exp Brain Res 11:480-501, 1970 (Fre)
[Anatomical arrangement and electrophysiological properties of sensitive vagal neurons in the cat] Mei N. Exp Brain Res 11:465-79, 1970 (Fre)
[Electrical activity of neurons of the jugular ganglion] Albano JP. J Physiol (Paris) 1:Suppl 1:77-8, 1969 (Fre)
[Primry afferent depolarization of vagal and laryngeal fibres. A unit study] Barillot JC.
J Physiol (Paris) 62:273-94, May-Jun 70 (Fre)
[Comparative actions of acetylcholine and vagal stimulation on the perfused heart of the conger (Conger conger L.)] Beland A, et al.
J Physiol (Paris) 63:8A-9A, Mar-Apr 71 (Fre)
[Depolarization of somesthetic afferents at the level of the Burdach nucleus induced by stimulation of the vago-aortic trunk] Gahery Y, et al.
J Physiol (Paris) 1:Suppl 1:130-1, 1969 (Fre)
[Microphysiologic study of cortical projections of vagal origin in cats. Effect of vagal stimulation on unit activity of the anterior suprasylvian gyrus] Mei N, et al. J Physiol (Paris) 62:Suppl 3:412, 1970 (Fre)
[Activation of bulbar neurons by pyramidal tract collaterals during vago-aortic insensibility] Puizillout JJ, et al. J Physiol (Paris) 62:Suppl 3:432-3, 1970 (Fre)
[Research on the determinism of vasomotor reactions in chickens after vagal stimulation] Ripplinger J, et al.
J Physiol (Paris) 62:Suppl 3:436-7, 1970 (Fre)
[Electric activity of the heart of normal fish, and during faradization of the vagus nerve] Ripplinger J, et al.
J Physiol (Paris) 62:Suppl 3:437-8, 1970 (Fre)
[Hydroxytryptaminergic transmission of the intraparietal nerves to the smooth muscle of dog esophagus] Singh I, et al.
J Physiol (Paris) 62:421-9, Sep-Oct 70 (Fre)
[Vagus function, vagus influence and vagus malfunction in the digestive system of adult cattle] Dietz O, et al.
Arch Exp Veterinaermed 24:1385-439, 1970 (Ger)
[Frequency independent vagus effects on the ventricular myocardium of warm-blooded animals] Jacob R, et al. Hippokrates 41:398-400, Sep 70 (Ger)
[Experimental basis of the new ulcer surgery] Aeberhard P, et al.
Schweiz Med Wochenschr 100:1775-80, 17 Oct 70 (Ger)
[Clinical usefulness of the 2-deoxy-D-glucose test of vagal function] Stalder GA.
Schweiz Med Wochenschr 100:1218-9, 11 Jul 70 (Ger)
[The oculo-cardiac reflex and its effect on the pulsatile volume of an ophthalmodynamogram] Beer K, et al.
Z Kreislaufforsch 59:271-7, Mar 70 (Ger)
[Topography of the projections of visceral sensitivity on the cerebral cortex of the cat. I. Study of the cortical projections of the cervical vagus in the cat anesthetized with nembutal] Aubert M, et al.
Arch Ital Biol 108:423-46, Aug 70 (Ita)
[Comparison between the electroneurographic effects of gustatory activation of Staderini's nucleus intercalatus and of those of adjacent bulbar regions] Bava A, et al.
Boll Soc Ital Biol Sper 46:489-91, 15 May 70 (Ita)
[Gustatory afferents to the bulbar nucleus intercalatus in the rabbit] Bava A, et al.
Boll Soc Ital Biol Sper 45:948-51, 31 Jul 69 (Ita)
[Effect of the substitution of Ca++ with Sr++ on the chronotropic response of the isolated mammal heart to vagal stimulation] Bettini V, et al.
Boll Soc Ital Biol Sper 46:545-9, 15 Jun 70 (Ita)
[Differential electronic block of various afferent fibers of the vagus nerve] Sellick HJ, et al.
Boll Soc Ital Biol Sper 46:665-7, 15 Aug 70 (Ita)
[The vagal inhibitory responses of the motility of frog's stomach] Fujii Y.
Jap J Smooth Muscle Res 6:202-7, Sep 70 (Jap)
[Role of the vagus nerve in control of gastric motility, with special reference to the inhibition mechanism of the vagus nerve] Oga A.
Jap J Smooth Muscle Res 6:163-87, Sep 70 (169 ref.) (Jap)
[Seasonal variation of vago-sympathetic nerve stimulation effects on the frog] Hiramatsu S.
Med Biol (Tokyo) 81:257-62, 10 Dec 70 (Jap)
[Nervous regulation of gastric motility] Haffner J, et al.
Tidsskr Nor Laegeforen 91:596-601, 20 Mar 71 (Nor)
[Vagus inhibition--cause of the formation of closed pathways of excitation conduction in auricles] Rozenshtraukh LV, et al.
Biofizika 15:690-700, Jul-Aug 70 (Rus)
[Changes in arterial pressure in dogs during ontogenesis] Antonova GA.
Biull Eksp Biol Med 65:21-4, May 68 (Rus)
[The influence of the cardiac nerves on coronary vessel tonus] Aronova GN, et al.
Biull Eksp Biol Med 65:16-20, Apr 68 (Rus)
[Changes in the cardio-inhibitory effect of stimulation of the vagus nerve during experimental adrenal function disorders] Berger EN, et al.
Biull Eksp Biol Med 65:41-2, 1968 (Rus)
[The influence of the right and left vagus nerves on the protein metabolism of different regions of the dog myocardium] Chernyshova GV, et al.
Biull Eksp Biol Med 68:51-3, Aug 69 (Rus)
[Relation of the molecular organization of the myocardial sarcoplasm to vagus nerve tone] Gurvich AA, et al. Biull Eksp Biol Med 70:65-9, Nov 70 (Rus)
[Neural control of the motor functions of the gallbladder] Klimov PK, et al.
Biull Eksp Biol Med 65:16-9, 1968 (Rus)
[Characteristics of the parasympathetic innervation of the stomach] Poliak RI, et al.
Biull Eksp Biol Med 71:27-30, Apr 71 (Rus)
[Electrotonic potentials of the primary terminals of the vagus nerve and the inhibitory Hering-Breuer reflex] Sergeeva ZN, et al.
Biull Eksp Biol Med 65:15-8, May 68 (Rus)
[Features of trophic disorders of the myocardium following spinal and vagal deafferentation of the heart] Sobieva ZI, et al.
Biull Eksp Biol Med 66:25-9, Sep 68 (Rus)
[Effect of general action duodenal hormones on food uptake by intact and vagotomized rats] Zabolotnykh VA, et al. Dokl Akad Nauk SSSR 194:468-70, 1970 (Rus)
[Participation of the cervical section of the sympathetic nervous system and the carotid tubercles in catecholamine secretion during stimulation of the vagus nerve] Il'ina AI.
Fiziol Zh SSSR 56:1703-13, Dec 70 (Rus)
[Impulsation of the central and peripheral segments of the splanchnic and vagus nerves during chemical stimulation of the small intestine mucous membrane] Itina LV. Fiziol Zh SSSR 57:95-102, Jan 71 (Rus)
[Reflex changes in respiration following collapse of the lungs] Looga RIu.
Fiziol Zh SSSR 56:392-9, Mar 70 (Rus)
[Tonic impulsation of the vagus nerve during sleep and wakefulness] Varbanova A, et al.
Fiziol Zh SSSR 57:442-6, Mar 71 (Rus)
[Integration processes during interoceptive signals] Varbanova A. Fiziol Zh SSSR 57:512-8, Apr 71 (Rus)
[The role of vagal innervation in the mechanism of reflex bradycardia in diving mammals] Galantsev VP.
Nerv Sist 9:65-70, 1968 (Rus)
[Effect of vagus nerve on the arterial pressure and electrocardiographic indices in phosphatemia] Shurygin VP. Fiziol Zh 14:105-9, Jan-Feb 68 (Ukr)

PHYSIOPATHOLOGY

Activity of vagal respiratory motoneurons in anaphylactic shock in rabbits.
Szereda-Przestaszewska M.
Acta Allergol (Kbh) 26:17-38, Feb 71
Increased activity in vagal cardiac afferents correlated to the appearance of reflex bradycardia during severe hemorrhage in cats. Oberg B, et al.
Acta Physiol Scand 80:22A-23A, Dec 70
The role of vagal cardiac nerves and arterial baroreceptors in the circulatory adjustments to hemorrhage in the cat. Oberg B, et al.
Acta Physiol Scand 80:395-403, Nov 70
Cardiac responses to autonomic nerve stimulation during acidosis and hypoxia in the lamb. Downing SE, et al. Am J Physiol 220:1956-63, Jun 71
Intermittent cardiac block and efferent vagal activity in the anesthetized dog. Katona PG, et al.
Am J Physiol 220:1683-7, Jun 71
Role of non-myelinated vagal afferent fibres from the lungs in the tachypnoeic response to pulmonary micro-embolism in the rabbit. Guz A, et al.
J Physiol (Lond) 210:63P-64P, Sep 70
The role of morphological changes of the vagus nerves (vagitis-vagosclerosis) in the physiopathology and chemistry of duodenal ulcer (the vagitis-chemism-ulcer correlation). Mandache F, et al.
Rom Med Rev 15:49-57, Jan-Mar 71
The esophagus, the vagi, and fat absorption. Shils ME.
Surg Gynecol Obstet 132:709-15, Apr 71 (70 ref.)
Simultaneous observation of gastric motor and secretory response to vagal stimulation in normal and diabetic dogs. Sugawara K, et al.
Surgery 70:325-33, Sep 71
[The vagal syndrome of myocardial infarct] Nogrette P, et al. Coeur Med Interne 9:397-406, Oct 70 (Fre)
[Pathogenesis of Hoflund's syndrome in cattle] Dietz O, et al. Monatsh Vet Med 24:736-8, 1 Oct 69 (Ger)
[The physiopathological bases of surgical treatment of duodenal ulcer. (The vagal and hormonal secretory components in duodenal ulcer disease] Grossi A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:70-88, 1968 (Ita)
[Spontaneous activity of autonomic nerves during thyrotoxicosis] Shakhnarovich VM, et al.
Dokl Akad Nauk SSSR 185:1386-9, 21 Apr 69 (Rus)
[Changes in the bioelectrical activity of vagus nerve and sympathetic nerve afferent fibers in short-term myocardial ischemia] Agnaev AK.
Kardiologiia 10:84-9, Oct 70 (Rus)

SECRETION

Confirmation of acetylcholine in perfusates of the stimulated vagus nerve by pyrolysis gas chromatography. Green JP, et al.
Life Sci [I] 9:741-5, 1 Jul 70

SURGERY

[Changes in cyto-architecture of subcortical ganglia in the brain of cats in unilateral section of the vagus nerve] Savro VA. Fiziol Zh 15:874-7, Sep-Oct 69 (Ukr)

TRANSPLANTATION

Prolonged survival and trophic function of neurons in homologous transplants of sensory ganglion in vivo. Zalewski AA. Exp Neurol 30:510-24, Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

VALERATES (D2)

Preparation and characterization of 2,4-diaminovaleric acid: an intermediate in the anaerobic oxidation of ornithine. Somack RL, et al.
Anal Biochem 41:132-7, May 71

ADMINISTRATION & DOSAGE

[Clinical study of the combination of 17-betamethasone valerate-gentamicin in dermatology] Grigoriu D.
Praxis 59:1070-1, 21 Jul 70 (Fre)

ANALYSIS

Ester and ether-linked lipids in the mandibular canal of a porpoise (Phocoena phocoena). Occurrence of isovaleric acid in glycerolipids. Varanasi U, et al.
Biochemistry 9:4576-9, 10 Nov 70

BIOSYNTHESIS

The metabolism of (+)-catechin to hydroxyphenylvaleric acids by the intestinal microflora. Scheline RR.
Biochim Biophys Acta 222:228-30, 27 Oct 70

BLOOD

[Isovaleric acidemia] David M.
Pediatrie 23:366-8, Apr-May 68 (Fre)

CHEMICAL SYNTHESIS

[Preparation, reactions and properties of unsimmetrically substituted 3-azapentadienes. 16. Studies on acyl enamines] Eiden F, et al.
Arch Pharm (Weinheim) 303:612-7, Jul 70 (Ger)

ISOLATION & PURIFICATION

Isolation and identification of 5-hydroxy-4-ketovaleric acid as a product of alpha-ketoglutarate: glyoxylate carboligase. Schlossberg MA, et al.
Biochemistry 7:333-7, Jan 68

Antimetabolites produced by microorganisms. II. L-2-amino-4-pentynoic acid. Scannell JP, et al.
J Antibiot (Tokyo) 24:239-44, Apr 71

METABOLISM

Metabolism of 5-hydroxy-4-keto-valeric acid in the rat. Wang FK, et al.
Biochem Biophys Res Commun 40:576-82, 11 Aug 70

Hypoglycin A: a specific inhibitor of isovaleryl CoA dehydrogenase. Tanaka K, et al.
Proc Natl Acad Sci USA 68:20-4, Jan 71

PHARMACODYNAMICS

Chain-length specificity of inhibition of fatty acid oxidation by pent-4-enoly-L-carnitine and by pent-4-enoic acid. Holland PC, et al.
Biochem J 118:4P-5P, Jun 70

On the mechanism of inhibition of fatty acid oxidation by 4-pentenoic acid in rat liver mitochondria. Fukami MH, et al. J Biol Chem 246:1206-12, 10 Mar 71

Stimulation of insulin secretion by 4-pentenoic acid in sheep. Hertelendy F, et al.
J Endocrinol 49:699-700, Apr 71

[Histochemical study of the chorion in pregnant women treated with Gravibin] Despodova Ts, et al.
Akush Ginekol (Sofiia) 9:89-93, 1970 (Bul)

THERAPEUTIC USE

[Use of valnoctamide in the treatment of various behavior disorders in childhood] Valle JR, et al.
Rev Bras Med 28:81-4, Feb 71 (Por)

TOXICITY

[Effect of small concentrations of synthetic fatty acids on experimental animals (pathomorphological studies)] Sergeev AN, et al.
Gig Sanit 35:99, Sep 70 (Rus)

VALERIAN (B6)

[Antimicrobial properties of essential oils of Valeriana stolonifera Czern., Valeriana nitida Kreyer, Valeriana exaltata Mikan] Kornievskif IuI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:137-9, Nov 70 (Rus)

ANALYSIS

Valerianic, a tertiary monoterpene alkaloid from valerian (1). Franck B, et al.
Angew Chem [Engl] 9:891, Nov 70

[Monoterpenoid Valeriana alkaloids] Gross D, et al.
Arch Pharm (Weinheim) 304:19-27, Jan 71 (Ger)

[Evaluation of Valerian drug and its preparations] Wagner H, et al.
Arzneim Forsch 20:1149-52, Aug 70 (Ger)

[Constituents of some cultivated Japanese valerian roots] Hikino H, et al.
J Pharm Soc Jap 91:650-6, Jun 71 (Jap)

[Constituents of wild Japanese valerian root. 1] Hikino H, et al. J Pharm Soc Jap 91:766-9, Jul 71 (Jap)

VALINE (D10)

The crystal structure of L-valine. Torii K, et al.
Acta Crystallogr [B] (Kbh) 26:1317-26, 15 Sep 70

Action of venom phosphodiesterase on aminoacyl-tRNA from Escherichia coli. Bruns ME, et al. Biochim Biophys Acta 217:189-91, 17 Sep 70

Effect of 5'-substitution on the template activity of oligo-nucleotides for the binding of valine and alanine tRNA to ribosomes. Holý A, et al.
Biochim Biophys Acta 217:332-45, 15 Oct 70

The enhancing effect of ionic strength and MgCl2 on the rate of the non-enzymic hydrolysis of N-blocked aminoacyl-tRNA's. Novogrodsky A.
Biochim Biophys Acta 228:688-92, 11 Feb 71

Replacement of two essential aminoacids by ketoacids in the diet of healthy and uraemic men. Richards P, et al. Clin Sci 40:11P, Mar 71

Purification of two valine transfer ribonucleic acid species from Escherichia coli and their coding properties. Bhaduri S, et al.
J Biol Chem 246:3030-6, 10 May 71

Specificity of the valyl ribonucleic acid synthetase from Escherichia coli in the binding of valine analogues. Owens SL, et al.
J Biol Chem 245:5515-23, 10 Nov 70

Fluorescence studies of interactions between Escherichia coli valyl-tRNA synthetase and its substrates. Hélène C, et al.
J Mol Biol 58:349-56, 28 May 71

Localization of two recognition sites in yeast valine tRNA I. Mirzabekov AD, et al.
Nature [New Biol] 229:21-2, 6 Jan 71

Valine-specific tRNA-like structure in turnip yellow mosaic virus RNA. Yot P, et al.
Proc Natl Acad Sci USA 67:1345-52, Nov 70

[Isolation of valine tRNA1 from baker's yeast] Vasilenko SK, et al.
Biokhimiia 35:424-9, May-Jun 70 (Rus)

ANALYSIS

Conformations of amino acids calculated from molecular orbital theory. George JM, et al.
Experientia 26:952-3, 26 Sep 70

BIOSYNTHESIS

Regulation of isoleucine-valine biosynthesis in Pseudomonas aeruginosa. II. Regulation of enzyme activity and synthesis. Marinus MG, et al.
Genetics 63:557-67, Nov 69

Biosynthesis of isoleucine and valine in Rhodopseudomonas spheroides: regulation of threonine deaminase activity. Barrtt GJ.
J Bacteriol 105:718-21, Mar 71

Synthesis of phenylalanine and valine by healthy and uraemic men. Richards P, et al.
Lancet 2:128-34, 17 Jul 71

Studies in valine biosynthesis. 8. Dihydroxyacid dehydratase activity in microorganisms with diverse fermentation patterns. Wixom RL, et al.
Proc Soc Exp Biol Med 137:292-8, May 71

[Conditions for Aerobacter cloacae cultivation that favor valine formation] Chuklova AP.
Mikrobiologiia 39:440-6, May-Jun 70 (Rus)

BLOOD

An automated method for the rapid chromatographic analysis of serum valine, alanine and glycine. Grimble RF, et al. Clin Chim Acta 31:355-61, Feb 71

DIAGNOSTIC USE

[Urinary methylmalonyl acid determination by oral loading of l-valine] Ukyo S, et al.
Jap J Clin Med 28:2801-8, Dec 70 (34 ref.) (Jap)

METABOLISM

Characteristics of different amino acids as protein precursors in mouse brain: advantages of certain carboxyl-labeled amino acids. Banker G, et al.
Arch Biochem Biophys 142:565-73, Feb 71

The coding nature of valyl-transfer RNA binding to ribosomes during methionine starvation in E. coli 113-3. Huang HH, et al.
Biochem Biophys Res Commun 43:847-53, 21 May 71

The effect of preganglionic stimulation on the incorporation of L-[U-14C] valine into the protein of the superior cervical ganglion of the guinea pig. Banks P. Biochem J 118:813-8, Aug 70

The effect of electrical stimulation on the incorporation of L-[U-14C] valine into the protein of chopped tissue from guinea-pig cerebral cortex. Jones CT, et al. Biochem J 118:791-800, Aug 70

The effect of electrical stimulation and ouabain on the uptake and efflux of L-[U-14C] valine in chopped tissue from guinea-pig cerebral cortex. Jones CT, et al. Biochem J 118:801-10, Aug 70

Determination of the kinetic constants of two consecutive first-order reactions. Jones CT.
Biochem J 118:810-2, Aug 70

Protein synthesis in sea urchin eggs. II. Changes in amino aicd uptake and incorporation at fertilization. Timourian H, et al. Dev Biol 23:478-91, Nov 70

Miscoding by Escherichia coli tRNAs for methionine, cysteine and valine in the synthesis of rabbit globin. Hunter AR, et al. Eur J Biochem 15:381-90, Aug 70

On the origin of d-aminoacid residues in microbial peptides. Okotore RO, et al.
Experientia 27:380-2, 15 Apr 71

Regulation of isoleucine-valine biosynthesis in Pseudomonas aeruginosa. I. Characterization and mapping of mutants. Marinus MG, et al.
Genetics 63:547-56, Nov 69

Valine accumulation by alpha-aminobutyric acid-resistant mutants of Serratia marcescens. Kisumi M, et al. J Bacteriol 106:493-9, May 71

Effects of essential amino acid starvation in Streptococcus faecalis: structural change in the 50S ribosomal subunit. Ziegler RJ, et al.
J Bacteriol 105:190-9, Jan 71

The reversible chemical modification of valine transfer ribonucleic acid I from Torulopsis with a radioactive carbodiimide. Mizutani T.
J Biochem (Tokyo) 69:841-50, Apr 71

Capacity of human subjects to utilize keto analogues of valine and phenylalanine. Rudman D.
J Clin Invest 50:90-6, Jan 71

CNS tissue cultures: changes in the ratio of incorporation of leucine and valine into proteins during myelinogenesis. Shashoua VE, et al.
J Neurochem 18:1149-52, Jun 71

Differential changes in the 'apparent Km' and maximum potential difference of the hexose and amino acid electrogenic transfer mechanisms of the small intestine, induced by fasting and hypothyroidism. Levin RJ, et al.
J Physiol (Lond) 213:46P-48P, Mar 71

The isoleucine and valine nutrition of young laying pullets as influenced by excessive dietary leucine. Bray DJ. Poult Sci 49:1334-41, Sep 70

The influence of trypan blue, Niagara blue 2B, and colloidal carbon on the absorption and transport of valine by rat intestinal segments. Kernis MM.
Teratology 4:327-34, Aug 71

[Inhibition of Escherichia coli K10 growth by pration of valine, leucine and isoleucine] Joseph M.
Ann Inst Pasteur Lille 20:29-40, 1969 (Fre)

[Biosynthesis of the isobutyryl group of mesuol (phenyl-4 coumarin group)] Kunesch G, et al.
Biochimie 53:431-3, 1971 (Fre)

[Influence of cortisone on the rate of irreversible in vivo degradation of free valine] Wellers G, et al.
C R Acad Sci [D] (Paris) 272:1882-5, 5 Apr 71 (Fre)

PHARMACODYNAMICS

Inhibition of alpha-oxoglutarate and pyruvate oxidation by alpha-oxoderivatives of leucine and valine in rat tissues. Lysiak W, et al.
Acta Biochim Pol 17:131-41, 1970

Similar effects by valine and isoleucine on threonine deaminase. Harding WM, et al.
Can J Biochem 48:812-5, Jul 70

Valine activation of feeding in the sea anemone Boloceroides. Lindstedt KJ, et al.
Comp Biochem Physiol 26:567-72, Aug 68

Effects of valine deprivation on the biosynthesis of ribosomal and messenger RNA in a mammalian cell line (L 5178 Y). Tiollais P, et al.
Eur J Biochem 18:35-45, 1 Jan 71

Isoleucine-valine requiring mutants of Salmonella typhimurium. 3. Valine-sensitive strains. Armstrong FB, et al. Genetics 67:171-82, Feb 71

[Atenuation of virulene and changes of form in crown-gall bacteria. Agrbacteri tumefaciens (Smith t Town.) Conn] Manigault P, et al.
Zentralbl Bakteriol [Naturwiss] 124:733-8, 1970 (Fre)

[Polymyxin M synthesized by Bacillus polymyxa var. Ross under different conditions of cultivation] Nefelova NV, et al. Antibiotiki 16:250-4, Mar 71 (Rus)

PHYSIOLOGY

[Influence exerted by the diet contents in proteins or certain amino acids (sulphur amino acids or valine) on the morphology of lymphocytes in the rat intestinal mucosa] Aschkenasy A, et al.
J Physiol (Paris) 62:Suppl 2:236, 1970 (Fre)

THERAPEUTIC USE

[Attempted diet therapy of a case of maple syrup disease] Mainardi PC, et al.
Pediatria (Napoli) 78:540-60, 30 Jul 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

VALSALVA'S MANEUVER (E1)

Effects of the Valsalva maneuver on the cardiac systolic intervals: beat-to-beat versus timed analysis. Flessas AP, et al. Am Heart J 80:522-31, Oct 70
The Valsalva maneuver: a clinical inquiry. Conrad L. Am J Nurs 71:553-4, Mar 71
The effects of halothane anesthesia on reflex cardiovascular responses to simulated diving and the Valsalva maneuver. Whayne TF Jr, et al. Anesthesiology 34:262-70, Mar 71
Quantitative index of baroreflex activity in normal and hypertensive subjects using Valsalva's manoeuvre. Pickering TG, et al. Br Heart J 31:392, May 69
Cerebral angiography during a modified Valsalva manoeuvre under general anesthesia. Hawkins TD, et al. Br J Radiol 44:564, Jul 71
Investigations on rheoencephalographic changes produced by orthostatism and the Valsalva manoeuvre, and the compensatory influence of the anti-G suit. Filcescu V, et al. Electroencephalogr Clin Neurophysiol 30:360, Apr 71
Distribution of pulmonary blood flow during the valsalva and Müller maneuvers. Bake B. Scand J Clin Lab Invest 27:307-14, Jun 71
[Cardiovascular reactions induced by Valsalva's maneuver in hypoxia] Zamfirescu NR, et al. Rev Roum Physiol 6:221-9, 1969 (Fre)
[Significance of venous flow murmurs in the inguinal region during Valsalva's maneuver] Köhler M, et al. Verh Dtsch Ges Inn Med 75:930-3, 1969 (Ger)
[Macruz index in Valsalva's maneuver] Melchionda E, et al. Minerva Med 61:4059-70, 19 Sep 70 (Ita)
[An electrokymographic study of the reaction of the right regions of the heart to the Valsalva test] Mironenko NP. Kardiologiia 10:119-22, Jun 70 (Rus)

ADVERSE EFFECTS

[General physiopathological and neuropsychiatric problems of underwater hyperbarism. V. Reflections on 2 cases of decompression sickness] Fructus X, et al. Riv Neurobiol 16:87-90, Jan-Mar 70 (Ita)

VAN BOGAERT'S LEUKOENCEPHALITIS see under SUBACUTE SCLEROSING PANENCEPHALITIS

(C1, C10)

VANADIUM (D1)

Vanadium clips for sterilization operations. Moss HC. JAMA 215:639, 25 Jan 71
[Elements of functional organic fluorimetry. IV. Fluorimetry of alcohols using di-(8-hydroxyquinolyl)orthovanadic acid] Bartos J. Ann Pharm Fr 27:323-4, Apr 69 (Fre)

ANALYSIS

[Electron microscope studies of vanadium binding (vanadium tetroxide)] Veres I. Mikroskopie 26:362-5, Feb 71 (Ger)

METABOLISM

[Vanadium in Charcot-Marie muscular atrophy] Jorge FB de, et al. Rev Bras Med 27:303-7, Jun 70 (Por)
[Vanadium metabolism following supplementary administration of several microelements in experimental atherosclerosis] Babenko GA, et al. Biull Eksp Biol Med 67:72-4, Jun 69 (Rus)

PHARMACODYNAMICS

A vanadium containing nitrogenase preparation: implications for the role of molybdenum in nitrogen fixation. McKenna CE, et al. Biochem Biophys Res Commun 41:1501-8, 24 Dec 70
The induction of Bacillus licheniformis penicillinase by vanadate, molybdate and tungstate anions. Davies JW, et al. Biochim Biophys Acta 217:552-4, 15 Oct 70
Effect of vanadium on metabolism of glucose in the rat. Meeks MJ, et al. J Pharm Sci 60:482-3, Mar 71

POISONING

[An insidious danger: poisoning by vanadium or its compounds] Bruyns A. Brux Med 50:249-52, Apr 70 (Fre)
[Some data on the role of chromium, lead, vanadium and naturally radioactive foodstuff in the etiology of endemic goiter] Barannik PI, et al. Gig Sanit 35:103-5, Feb 70 (Rus)

THERAPEUTIC USE

[Therapeutic effect of vanadyl sulfate in experimental tuberculosis] Bala IuM, et al. Farmakol Toksikol 34:346-8, May-Jun 71 (Rus)

VANCOMYCIN (D3)

On the Streptomyces albus G DD carboxypeptidase mechanism of action of penicillin, vancomycin, and ristocetin. Leyh-Bouille M, et al. Biochemistry 9:2971-5, 21 Jul 70

ADMINISTRATION & DOSAGE

Control of Streptococcus mutans, plaque, and dental caries in hamsters with topically applied vancomycin. Englander HR, et al. Arch Oral Biol 16:469-72, Apr 71
Topical treatment of acute ulcerative gingivitis: a comparison of vancomycin with penicillin and metronidazole. Emslie RD, et al. Parodontologie 25:3-8, Mar 71

BIOSYNTHESIS

[Variability of the Actinomyces orientalis culture and production of an active strain] Deshits LA, et al. Antibiotiki 15:1059-63, Dec 70 (Rus)

METABOLISM

The absorption of iodovancomycin by micrococcus lysodeikticus cells. Oo KC. Aust J Exp Biol Med Sci 48:397-405, Aug 70

PHARMACODYNAMICS

Iodinated vancomycin and mucopeptide biosynthesis by cell-free preparations from Micrococcus lysodeikticus. Bordet C, et al. Biochem J 119:877-83, Oct 70
Experimental gingivitis in man. 4. Vancomycin induced changes in bacterial plaque composition as related to development of gingival inflammation. Jensen SB, et al. J Periodont Res 3:284-93, 1968
[The effect of ristomycin and vancomycin on cytoplasmic membrane permeability and incorporation of P32 into different fractions of Staphylococcus aureus 209-P cells] Dormidoshina TA. Mikrobiologiia 39:389-93, May-Jun 70 (Rus)

THERAPEUTIC USE

Effect of vancomycin on plaque after periodontal surgery. Collins JF. J Dent Res 49:Suppl:1478-80, Nov-Dec 70
Vancomycin and novobiocin. Riley HD Jr. Med Clin North Am 54:1277-89, Sep 70 (51 ref.)
[Studies on bactericidal activity in the therapy of enterococcal endocarditis] Stille W, et al. Dtsch Med Wochenschr 95:2418-20, 27 Nov 70 (Ger)

VANILLIC ACID see under BENZOATES (D2)

VANILLIN (D13)

Dietary vanillin does not affect the VMA method of Pisano et al. Green M, et al. Clin Chim Acta 29:189-90, Jul 70
Gas-chromatographic estimation of 3-methoxy-4-hydroxy phenylglycol after transformation to vanillin methoxime trimethylsilyl ether. Kahane Z, et al. Clin Chim Acta 30:683-7, Dec 70
[Determination of total serum lipids and its clinical significance. 1. A new determination method using SPV reaction] Wada M, et al. Jap J Clin Pathol 18:711-4, Oct 70 (Jap)

ANALYSIS

[1-dimethylamino-naphthaline-5-sulphonyl-derivatives of catecholamine-metabolites] Ockenfels H, et al. Z Naturforsch [B] 25:922-7, Sep 70 (Ger)

METABOLISM

Oxidation of vanillin by cream xanthine oxidase and its inhibition by allopurinol. Fried R. Experientia 27:123-5, 15 Feb 71
Decomposition of vanillin by soil microorganisms. Kunc F. Folia Microbiol (Praha) 16:41-50, 1971
Effect of glucose on decomposition of vanillin by soil microorganisms. Kunc F. Folia Microbiol (Praha) 16:51-7, 1971
[Metabolism of 3-hydroxy-5-(hydroxymethyl)-2-methylisonicotinaldoxime, 2-hydroxy-3-methoxybenzaldoxime and 4-hydroxy-5-methoxyisophthalic dioxime] Pham-Huu-Chanh, et al. Biochem Pharmacol 19:1703-7, May 70 (Fre)

VARIATION (GENETICS) (G1)

The genetic basis of natural variation in drosophila melanogaster. Milkman R. Adv Genet 15:55-114, 1970 (139 ref.)
Distribution of transferrin phenotypes in selected troops of Kenya baboons. Buettner-Janusch J, et al. Am J Phys Anthropol 33:303-6, Nov 70
Biphalangia of the lateral toes. A study on the incidence in a Swedish population together with some observations on digital sesamoid bones in the foot. Sandström B, et al. Am J Phys Anthropol 34:37-41, Jan 71
Genetically determined electrophoretic variants of human red cell NADH diaphorase. Hopkinson DA, et al. Ann Hum Genet 34:1-10, Jul 70
Studies on the quantitative variation of human red cell peptidase A activity. Sinha KP, et al. Ann Hum Genet 34:153-68, Oct 70
Urease positive variants of Candida guilliermondi. Bakerspigel A. Antonie van Leeuwenhoek 35:Suppl:A27-8, Jun 69
Isolation and study of mutants selected from Candida tropicalis cultivated on hydrocarbons. Pasero J, et al. Antonie van Leeuwenhoek 35:Suppl:F17-8, Jun 69
Purification of two plaque variants of sindbis virus. Bose HR, et al. Arch Gesamte Virusforsch 31:200-6, 1970
Peptide composition of sindbis virus variants. Bose HR, et al. Arch Gesamte Virusforsch 31:207-14, 1970
Pathogenicity studies in rabbits, hamsters, mice and embryonated eggs with herpes T virus variants. Daniel MD, et al. Arch Gesamte Virusforsch 32:45-52, 1970
Isolation of a variant strain of Rous sarcoma virus oncogenic for ducks and mammals. Kuwata T, et al. Arch Gesamte Virusforsch 32:1-12, 1970
Selection for constancy of expression of the Tabby gene in the mouse. Johnston PG, et al. Aust J Biol Sci 23:1061-6, Oct 70
Genetic variants of human erythrocyte glucose 6-phosphate dehydrogenase. I. Regulation of activity by oxidized and reduced nicotinamide-adenine dinucleotide phosphate. Afolayan A, et al. Biochemistry 10:415-9, 2 Feb 71
Genetic variants of human erythrocyte glucose 6-phosphate dehydrogenase. II. In vitro and in vivo function of the A- variant. Luzzatto L, et al. Biochemistry 10:420-3, 2 Feb 71
Comparison of the haemagglutinin production of influenza A2 Hong Kong variant and recombinant strains. Tauraso NM, et al. Bull WHO 43:275-9, 1970
Effects of growth inhibition by hydrocortisone acetate on variance in chickens. Gavora JS, et al. Can J Genet Cytol 12:627-34, Sep 70
Mixed infections of Coxiella burnetii in restricitive host cells: an immunofluorescent study. Kordová N, et al. Can J Microbiol 16:561-6, Jul 70
Growth inhibition of bacterial variants. Marraro RV, et al. Can J Microbiol 16:640-2, Jul 70
Evolution of the house finch on Santa Cruz Island, California. Power DM. Can J Zool 49:675-84, May 71
Genetic-evolutionary studies on cultivated Cannas. 3. Variation in meiotic system. Khoshoo TN, et al. Cellule 68:107-34, 1970
Inborn errors of metabolism. Variability within single diseases. Danks DM. Clin Pediatr (Phila) 10:1-3, Jan 71
Pre-Darwinian and non-Darwinian evolution of proteins. Jungck JR. Curr Mod Biol 3:307-18, Feb 71
Modes of variation in alcohol dehydrogenase in Drosophila melanogaster. Gibson JB, et al. Experientia 27:99-100, 15 Jan 71
Genetic factors in lysine and arginine metabolism of chicks. Nesheim MC, et al. Fed Proc 30:121-6, Jan-Feb 71
Genetic variation in the eel. II. Transferrins, haemoglobins and esterases in the eastern North Atlantic. Possible interpretations of phenotypic frequency differences. Pantelouris EM, et al. Genet Res 16:277-84, Dec 70
On the potential for genetic variability in haplo-diploidy. Crozier RH. Genetica 41:551-6, 1970
Parthenogenesis and genetic variability. II. One-locus models for various diploid populations. Asher JH Jr. Genetics 66:369-91, Oct 70
A temporal survey of allelic variation in natural and laboratory populations of Drosophila melanogaster. Berger EM. Genetics 67:121-36, Jan 71
A comparison of gene-enzyme variation between Drosophila melanogaster and D. simulans. Berger EM. Genetics 66:677-83, Dec 70
Increase of genetic variability through recombination in Drosophila melanogaster. Kosuda K, et al. Genetics 67:287-304, Feb 71
Genetic variation in chaetae number of Tribolium. Lange EL, et al. Genetics 65:669-79, Aug 70
Selection in finite populations with multiple alleles. II. Centripetal selection, mutation, and isoallelic variation. Latter BD. Genetics 66:165-86, Sep 70
Genetic effects of fluctuating temperature in populations of Drosophila melanogaster. Long T. Genetics 66:401-16, Oct 70
New variants in the C3 system. Teisberg P. Hum Hered 20:631-7, 1970
Genetic variants of soluble malate dehydrogenase in New Guinea populations. Blake NM, et al. Humangenetik 11:72-4, 1970
Induction of nonpigmented variants of Erwinia herbicola by incubation at supraoptimal temperatures. Chatterjee AK, et al. J Bacteriol 105:107-12, Jan 71
Variant of penicillinase mediated by an R factor in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Escherichia coli. Sawai T, et al.
J Bacteriol 104:620-9, Nov 70
Studies of a hypomorphic variant of human C3. Alper CA, et al. J Clin Invest 50:324-6, Feb 71
Electrophoretic and functional variants of NADH-methemoglobin reductase in hereditary methemoglobinemia. Hsieh HS, et al.
J Clin Invest 50:196-202, Jan 71
Genetic diversity of the "Mediterranean" glucose-6-phosphate dehydrogenase deficiency phenotype. Stamatoyannopoulos G, et al.
J Clin Invest 50:1253-61, Jun 71
Genetic variation in adrenal structure: quantitative measurements on the cortex and medulla in hybrid mice. Shire JG. J Endocrinol 48:419-31, Nov 70
Studies on rubella virus strain variation by kinetic haemagglutination-inhibition tests. Best JM, et al.
J Gen Virol 9:215-23, Dec 70
Salivary gland chromosome variation in the Drosophila affinis subgroup. IV. The short arm of the X chromosome in "western" and "eastern" Drosophila athabasca. Miller DD, et al.
J Hered 60:307-11, Nov-Dec 69
Genetic variability in the German cockroach. V. Studies of the yellow and curved mutants. Ross MH, et al.
J Hered 60:361-4, Nov-Dec 69
Measurement of genetic heterogeneity by means of enzyme polymorphisms, in wild populations of the mouse. Ruddle FH, et al. J Hered 60:321-2, Nov-Dec 69
Genetic factors influencing human serum trehalase activity. Eze LC, et al. J Med Genet 7:5-10, Mar 70
Capsid size and deoxyribonucleic acid length: the petite variant of bacteriophage T4. Eiserling FA, et al.
J Virol 6:865-76, Dec 70
Inherited variation in tetrazolium oxidase in human red cells. Shinoda T. Jap J Hum Genet 15:144-52, Sep 70
A new variant of Sporothrix schenckii. Ajello L, et al.
Mykosen 12:633-44, 1 Nov 69
Geographical variation in the Atlantic salmon. Payne RH, et al. Nature (Lond) 231:250-2, 28 Mar 71
Evidence that piroplasms can undergo antigenic variation. Phillips RS. Nature (Lond) 231:323, 4 Jun 71
Reactivity of inbred mouse sera with antisera to the variable region of light chains. Ruffilli A, et al.
Nature (Lond) 228:1048-50, 12 Dec 70
Variability in the lambda light chain sequences of mouse antibody. Weigert MG, et al.
Nature (Lond) 228:1045-7, 12 Dec 70
Inheritance of glucose-6-phosphate dehydrogenase variation in kangaroos. Richardson BJ, et al.
Nature [New Biol] 230:154-5, 31 Mar 71
The variation in biochemical reactivity off rough and smooth variants of mycobacteria. Kubica GP, et al.
Pneumonologie 142:108-11, 1970
Host-cell determined variations in mycobacteriophages. Mankiewicz E.
Pneumonologie 142:198-9, 1970
[Clinical problems of mycobacterial variability. Meissner G. Pneumonologie 142:300-8, 1970
Dissociation in M. avium. Pattyn SR, et al.
Pneumonologie 142:119-25, 1970
Mycobacterial variations as influenced by phage and other genomic factors. Redmond WB.
Pneumonologie 142:191-7, 1970
Ecological consequences of island colonization by southwest Pacific birds. II. The effect of species diversity on total population density. Diamond JM.
Proc Natl Acad Sci USA 67:1715-21, Dec 70
A genetic marker in the variable region of light chains of mouse immunoglobulins. Edelman GM, et al.
Proc Natl Acad Sci USA 67:1192-9, Nov 70
Lack of intercellular suppression of position-effect variegation by supernumerary Y chromosomes during cell differentiation in Drosophila melanogaster. Gearhart JD, et al.
Proc Natl Acad Sci USA 68:13-5, Jan 71
Analysis of enzyme variation in natural populations of the butterfly Colias eurytheme. Johnson GB.
Proc Natl Acad Sci USA 68:997-1001, May 71
Multivariate analysis in the genetics of spermatozoan dimensions in mice. Williams DA, et al.
Proc R Soc Lond [Biol] 174:313-31, 4 Aug 70
Genetic control of blood pressure by more than one pair of alleles. Schlager G.
Proc Soc Exp Biol Med 136:863-6, Mar 71
Genetic variation in irradiated and nonirradiated populations of the lizard, Uta stansburiana. McKinney CO, et al. Radiat Res 47:530-6, Aug 71
Non-adaptive variation and group selection. Cloudsley-Thompson JL. Sci Progr 59:243-54, 1971
Non-adaptive variation and group selection. Cloudsley-Thompson JL.
Sci Progr 59:243-54, Summer 71
Evolutionary divergence in Hawaiian Drosophila. Robertson FW. Sci Progr 58:525-38, Winter 70
Genetic variation of cholesterol ester content in mouse adrenals. Doering CH, et al.
Science 170:1220-2, 11 Dec 70
Too little gene exchange. Wilkes HG, et al.
Science 171:955-6, 12 Mar 71
Studies of the early events of the replicative cycle of three variants of Mengo encephalomyelitis virus in mouse fibroblast cells. Mak TW, et al.
Virology 42:1087-96, Dec 70
Gc Norway (Gc1C): a second mother-child combination. Rittner C, et al. Vox Sang 16:510-3, Jun 69
Variability and differences in the structure of digital tactile corpuscles of Cercopithecus aetiops. Grzycki S.
Z Mikrosk Anat Forsch 82:29-41, 1970
Isolation of a rare biochemical variant of Shigella boydii 1. Aldová E, et al.
Zentralbl Bakteriol [Orig] 215:274-7, 1970
Salmonella boecker Variants with different somatic antigens. Ozek O, et al.
Zentralbl Bakteriol [Orig] 216:268-70, 1971
Variation in the M-antigen of group A streptococci. Valkenburg HA, et al.
Zentralbl Bakteriol [Orig] 214:317-21, 1970
[Genetic variation estimated according to the response of the number of ovarioles to selection, in two experimental populations of Drosophila melanogaster meigen] Scheemaeker-Louis M de.
Arch Biol (Liege) 81:495-557, 1970 (Fre)
[Localization in the peptide chain of bovine beta casein of the His-Gln substitution differentiating the A2 and A3 genetic variants] Ribadeau Dumas B, et al.
C R Acad Sci [D] (Paris) 270:2369-72, 11 May 70 (Fre)
[Variability of anti-monkey antibodies in human AB serum] Ruffié J, et al.
C R Acad Sci [D] (Paris) 272:159-62, 4 Jan 71 (Fre)
[Hemophilia. Variants of factor 8 and IX] Meyer D, et al.
Nouv Rev Fr Hematol 10:819-26, Sep-Oct 70 (Fre)
[Serum groups of the Pi system (alpha-1-antitrypsin)] Robinet-Lévy M, et al.
Rev Fr Transfus 13:389-96, Dec 70 (Fre)
[Transspecific variability of lactate dehydrogenases (E.C.: 1.1.1.27) in mammals] Schmitt J, et al.
Humangenetik 11:55-8, 1970 (Ger)
[Genetically determined variants of NADH-diaphorase] Tariverdian G, et al.
Humangenetik 11:75-7, 1970 (Ger)
[Variable surface forms of dermatophyte colonies on synthetic culture media under apparently similar external conditions exemplified by Trichophyton rubrum, Microsporum gypseum and Keratinomyces Ajelloi] Rieth H. Mykosen 12:247-8, 1 Apr 69 (Ger)
[The significance of media factors for the development of characteristic features of Trichophyton rubrum strains] Schönborn C.
Mykosen 13:457-68, 1 Sep 70 (Ger)
[The substrate of the variability of mycobacteria as seen in the electron microscope] Kölbel H.
Pneumonologie 142:137-58, 1970 (Ger)
Population genetic studies on the variability of the number of plaque forming cells in the spleen of mice] Buschmann H.
Z Immunitaetsforsch Allerg Klin Immunol 141:37-48, 1970 (Ger)
[Variation of influenza viruses] Izuchi T, et al.
Jap J Clin Med 29:1208-11, 1971 (15 ref.) (Jap)
[Variability and preservation of the producer of cycloserine] Kuznetsov VD, et al.
Antibiotiki 15:590-4, Jul 70 (Rus)
[Supplementary chromosomes and parallelism of hereditary variation in some Diptera] Chubareva LA.
Dokl Akad Nauk SSSR 196:695-7, 21 Jan 71 (Rus)
[The role of gene selection and drift in formation of the optimum phenologic appearance of the population] Novozhenov IuI.
Dokl Akad Nauk SSSR 191:693-5, 1970 (Rus)
[Variability of cultures of baker's yeasts obtained from single spores] Kozikov KV, et al.
Mikrobiologiia 40:349-54, Mar-Apr 71 (Rus)
[The range of variability and its relation to the value of a character and morphogenetic processes] Egorov IuE. Zh Obshch Biol 30:658-63, Nov-Dec 69 (Rus)

DRUG EFFECTS

[Variability of the Actinomyces orientalis culture and production of an active strain] Deshits LA, et al.
Antibiotiki 15:1059-63, Dec 70 (Rus)
[Variability of Actinomyces orientalis] Kuznetsov VD, et al. Antibiotiki 15:1063-7, Dec 70 (Rus)
[Dissociation of R- and P plus-variants of Bacillus brevis var. G.-B. during growth on a synthetic medium with amino acids as the only source of nitrogen] Zharikova GG, et al. Antibiotiki 16:385-7, Mar 71 (Rus)
[N-nitrosomethylurea induced variability in 3 variants of Act. antibioticus--producer of oleandomycin] Zharova NI. Antibiotiki 15:599-602, Jul 70 (Rus)

VARICELLA see CHICKENPOX (C1)

VARICELLA-ZOSTER VIRUS (B4)

Further electron microscopic observations of herpes zoster virus. Hasegawa T.
Arch Dermatol 103:45-9, Jan 71
Studies of herpes zoster virus in vitro. II. An autoradiographic study of intranuclear inclusions. Nii S, et al. Biken J 13:133-43, Jun 70
Understanding zoster. Lancet 1:690, 3 Apr 71
Zoster, a recrudescence of VZ virus infection. Blank H, et al. Postgrad Med J 46:653-8, Nov 70 (41 ref.)

IMMUNOLOGY

Antigenic relationship between varicella-herpes zoster and herpes simplex viruses studied by the gel precipitation reaction. Trlifajová J, et al.
Acta Virol (Praha) 15:293-300, Jul 71

ISOLATION & PURIFICATION

Varicella-zoster virus cultivation in cell cultures of non-primate origin. Seféovičová L.
Acta Virol (Praha) 15:171-3, Mar 71
Laboratory studies on the varicella-zoster virus. Meurisse EV. J Med Microbiol 2:317-25, Aug 69
[Ophthalmic zona: isolation of a viral strain from the aqueous humor] Denis-Lasalle J, et al.
Arch Ophtalmol (Paris) 31:109-18, Feb 71 (Fre)

VARICOCELE (C6, C8)

[Study of cortisone and renin in spermatica interna and a refined sperm analysis in patients with varicocele] Thulin L, et al. Nord Med 85:416, 1 Apr 71 (Swe)

BLOOD

Plasma cortisol in the left spermatic vein in patients with varicocele. Agger P. Fertil Steril 22:270-4, Apr 71

ENZYMOLOGY

Hormonal testicular activity in men with a varicocele. Raboch J, et al. Fertil Steril 22:153-5, Mar 71

ETIOLOGY

Unusual cause of varicocele. Johnson AG, et al.
Br Med J 1:505, 27 Feb 71
Primary right varicocele. Grillo-López AJ.
J Urol 105:540-1, Apr 71
[An unusual cause of varicocele: probable explanation for left laterality of varicocele] Staelens R.
Acta Urol Belg 38:333-6, Jul 70 (Fre)
[Pathogenesis of varicocele] Kulikov IuS.
Urol Nefrol (Mosk) 35:39-43, Nov-Dec 70 (Rus)

OCCURRENCE

Varicocele in children and adolescents. Oster J.
Acta Paediatr Scand [Suppl] 206:Suppl 206:81, 1970

PATHOLOGY

[Wall structure of the normal testicular vein and in varicocele] Szypura E, et al.
Folia Morphol (Warsz) 30:223-32, 1971 (Pol)

SURGERY

Scrotal and testicular temperature: its relation to sperm count before and after operation for varicocele. Agger P. Fertil Steril 22:286-97, May 71
[Varicocele and subfertility. Results of Ivanissevich's operation] Pauwels RP, et al.
Ned Tijdschr Geneeskd 114:1585-72, 19 Sep 70 (Dut)
[Surgical treatment of male sterility] Cognat M.
Rev Lyon Med 19:Suppl:41-3, 1970 (Fre)
[Surgical treatment of varicocele using Giuliani's technic] Völter D, et al.
Dtsch Med Wochenschr 96:641-4, 9 Apr 71 (Ger)
[Ligation of the spermatic vein in patients with subfertility due to varicocele] Nöske HD, et al.
Munch Med Wochenschr 112:1682-6, 18 Sep 70 (Ger)
[High ligation of varicocele of the spermatic cord--surgical method and results] Negishi T.
Shujutsu 24:1235-40, Oct 70 (Jap)
[Varicocele. Surgical treatment by the preperitoneal route] Buroni JR, et al.
Rev Sanid Milit Argent 69:39-42, Jan-Jun 70 (Spa)

VARICOSE ULCER (C8, C12)

BLOOD

[Blood oxymetry in varicose syndrome. 1st results] Rivoire J, et al. J Med Lyon 51:501-15, 5 Feb 70 (Fre)
[Oximetric data in trophic disorders of venous origin] Agache P, et al. Lyon Med 225:57-61, 10 Jan 71 (Fre)

DRUG THERAPY

[Trial of hydrosarpan 711 in varicose ulcers] Huriez C, et al. Phlebologie 24:107-15, Jan-Mar 71 (Fre)
[Results obtained with Cyclo 3 in the treatment of varicose ulcers] Sicard P.
Phlebologie 24:117-21, Jan-Mar 71 (Fre)
[Treatment of varicose ulcers with oral zinc sulphate] Rouques L. Presse Med 78:2437, 19 Dec 70 (Fre)
[Treatment of varicose syndrome with Venopyronum] Matanić V. Ther Ggw 109:1805-6 passim, Dec 70 (Ger)
[On the cicatrizant action of N-acetyl-amino-6-hexanoic acid. Further clinical trials] Bassi R, et al.
G Ital Dermatol 46:224-30, May 71 (Ita)
[Clinical and rheographic studies of the activity of a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

phleboactive preparation in stasis ulcer] Crosti C.
G Ital Dermatol 46:262-8, Jun 71 (Ita)
[Clinical research on the therapeutic action of mucopolysaccharides of vascular origin in cutaneous vascular pathology] Giacometti C, et al.
G Ital Dermatol 46:231-5, May 71 (Ita)
[Local administration of nucleosides in dermatology] Giacometti F. Minerva Med 61:4279-88, 29 Sep 70 (Ita)

ETIOLOGY

Pathophysiology and treatment of stasis ulcers of the leg. Myers MB, et al. Am Surg 37:167-74, Mar 71
An investigation of varicose ulcers. Perera P.
Trans St Johns Hosp Dermatol Soc 56:175-7, 1970

MICROBIOLOGY

The fungal flora of ulcerated legs. English MP, et al.
Br J Dermatol 84:567-81, Jun 71
[Comparison of bacterial flora in leg ulcers and in female genitalia] Götzová R, et al.
Cesk Dermatol 46:112-5, Jun 71 (Cze)

RADIOGRAPHY

[Lymphographic patterns of ulcus cruris] Rizzi B, et al.
Chir Ital 21:171-91, Apr 69 (Ita)
[Simultaneous study of the lymphatic and venous systems in varicosities and postphlebitic syndrome of the lower extremities] Bafkov ZZ, et al.
Vestn Khir 105:77-80, Sep 70 (Rus)

SURGERY

Venous ulceration--a further factor. Leigh B.
Med J Aust 2:1030-1, 28 Nov 70

THERAPY

Five-year survey of the treatment of varicose ulcers. Henry ME, et al. Br Med J 2:493-4, 29 May 71
Healing of stasis ulcers on ambulatory basis. Nabatoff RA. NY State J Med 70:2903-6, 1 Dec 70
The treatment of varicose leg ulcers by hyperbaric oxygen. Bass BH. Postgrad Med J 46:407-8, Jul 70
[Cicatrization of leg ulcers of venous origin] Stemmer R. Phlebologie 24:151-64, Apr-Jun 71 (Fre)
[Results of an ulcus cruris consultation] Nitzschner H, et al.
Z Aerztl Fortbild (Jena) 63:1277-82, 15 Dec 69 (Ger)
[Therapy of leg ulcers of venous origin] Stemmer R.
Zentralbl Phlebol 10:10-27, 1971 (Ger)

VARICOSE VEINS (C8)

see also related
SCLEROSING SOLUTIONS (D13)

Phlebographic studies of the leg veins in the first half of pregnancy and during oral contraception. Sandström B, et al.
Acta Obstet Gynecol Scand 49:375-8, 1970
Varicose veins and venous disorders of the lower limb. II. Diagnosis and treatment. Dodd H.
Br J Clin Pract 25:650-3, Feb 71
[Thrombosis of urethral hemorrhoids during pregnancy] Reziciner S, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 20:493-5, Nov-Dec 68 (Fre)
[2 cases of recurrent venous thrombosis] Hutinel B.
Phlebologie 23:219-20, Jul-Sep 70 (Fre)
[Dermatologic manifestations in venous insufficiency of the lower leg and their treatment] Wereide K.
Tidsskr Nor Laegeforen 90:2068-92, 15 Nov 70 (Nor)
[Varix of the pulmonary vein] Rowińska E, et al.
Pol Przegl Radiol 34:639-44, Sep-Oct 70 (Pol)
[Pathogenesis, diagnosis and treatment of true varicosity of the lower extremities] Askerkhanov RP.
Vestn Khir 102:3-9, May 69 (Rus)
[Varicose veins of the right lung] Popov IuA, et al.
Vestn Khir 105:139-40, Nov 70 (Rus)
[Varices in the gastric antrum] Marín Hernández G, et al. Rev Clin Esp 117:79-80, Apr 70 (Spa)

BLOOD

[Blood oximetry in the varicose syndrome. 1st results] Rivoire J, et al.
Angiologie 23:105-9 passim, Mar-Apr 71 (Fre)
[Blood oxymetry in varicose syndrome. 1st results] Rivoire J, et al. J Med Lyon 51:501-15, 5 Feb 70 (Fre)
[Oximetric data in trophic disorders of venous origin] Agache P, et al. Lyon Med 225:57-61, 10 Jan 71 (Fre)
[Blood copper in spontaneous pathology of human elastic tissue: I. Idiopathic varices] Guerrina G, et al.
Pathologica 59:397-9, Nov-Dec 67 (Ita)

COMPLICATIONS

Management of chronic venous insufficiency in the lower extremities. Eckstam KE.
Wis Med J 69:194-6, Aug 70
[Upper digestive tract hemorrhage due to duodenal varices rupture without portal hypertension] De Toeuf G, et al. Acta Chir Belg 69:759-64, 1970 (Fre)
[An unusual cause of hematuria: peri-ureteral varices] Steg A, et al. Ann Urol (Paris) 3:65-72, May 69 (Fre)
[Cicatrization of leg ulcers of venous origin] Stemmer R.
Bull Soc Sci Med Grand Duche Luxemb 108:109-13, Mar 71 (Fre)
[Dermatologic and general consequences of venous and lymphatic ectasia of the lower extremities: remedial methods] Contreras Duenas F.
Maroc Med 49:550-5, Oct 69 (Fre)
[Acute hemoperitoneum after varix rupture in the myomatous uterus] Amon K, et al.
Dtsch Gesundheitsw 26:1179-80, 17 Jun 71 (Ger)
[The phlebo-arthrotic complex] Krieg E.
Med Welt 42:1832-4, 17 Oct 70 (Ger)
[Varicosis epiduralis--a cause for lumbar root irritations] Wöber G, et al.
Wien Med Wochenschr 120:884-5, 21 Nov 70 (Ger)
[Arthritis of the knee joint and varicosis] Neugebauer H. Z Orthop 107:335-40, Jan 70 (Ger)
[Ureteral stenosis due to varicosis] Brunzema F, et al.
Z Urol Nephrol 63:627-30, Aug 70 (Ger)
[Massive hemoperitoneum caused by rupture of uterine varices at the early stage of labor in normal pregnancy, followed by shock and heart arrest] Micheletti G. Minerva Ginecol 21:655-8, 31 May 69 (Ita)
[Viewpoints in the treatment of varicose thrombophlebitis] Râileanu R, et al.
Rev Med Chir Soc Med Nat Iasi 74:665-8, Jul-Sep 70 (Rum)
[Valvular insufficiency of the deep veins in patients with varicose veins] Zelenin RP.
Khirurgiia (Mosk) 47:41-8, Feb 71 (Rus)
[Functional thermometric tests in varicose veins of the lower extremities] Zubarev VF.
Khirurgiia (Mosk) 47:52-6, Feb 71 (Rus)
[Late results of ambulatory treatment of varicose crural ulcers] Ovchinnikov II.
Vestn Khir 105:111-2, Jul 70 (Rus)
[Intermittent exophthalmia caused by retro-ocular varicose veins] De Seggiaro MB, et al.
Arch Oftalmol B Aires 45:207-10, May 70 (Spa)

CONGENITAL

Pulmonary varices. Bartram O, et al.
Proc R Soc Med 64:839, Aug 71
[Generalized congenital phlebectasia] Hamel C.
Union Med Can 100:1122-3, Jun 71 (Fre)
[Congenital diffuse phlebectasia of the spinal cord] Eremeeva AS, et al. Arkh Patol 32:75-7, 1970 (Rus)

DIAGNOSIS

[The expert testimony on leg diseases (chronic venous insufficiency)] Fischer H.
Berufsdermatosen 18:2-24, Feb 70 (Ger)
[Cardia carcinoma or fundus varices? A contribution to differential diagnosis] Theophil B.
Fortschr Geb Roentgenstr Nuklearmed 115:122-4, Jul 71 (Ger)
[Judgement of the post-thrombotic syndrome by peripheral venous blood pressure determination] Hansen G, et al.
Hefte Unfallheilkd 107:151-4, 1970 (Ger)
[Use of Doppler flow detectors in the diagnosis of venous diseases] Mahler F, et al.
Schweiz Med Wochenschr 100:162-5, 31 Jan 70 (Ger)
[Significance of venous flow murmurs in the inguinal region during Valsalva's maneuver] Köhler M, et al.
Verh Dtsch Ges Inn Med 75:930-3, 1969 (Ger)
[Electromanometric study in the definition of severe venous syndromes of the lower limb] Marcialis A, et al. G Ital Chir 25:3-55, Jan 69 (Ita)

DRUG THERAPY

Reversibility of femorosaphenous reflux. Quill RD, et al. Br J Surg 58:389-93, May 71
Effect of hydroxyethylrutosides on blood oxygen levels and venous insufficiency symptoms in varicose veins. McEwan AJ, et al. Br Med J 2:138-41, 17 Apr 71
Paroven. Drug Ther Bull 8:90-1, 6 Nov 70
Compression sclerotherapy of varicose veins. Townsend E. J R Coll Gen Pract 20:137-45, Sep 70
[Therapeutic effect of trimetazon and other pyrazolidins in phlebic disorders] Krčilek A, et al.
Sb Lek 73:105-9, Apr 71 (Cze)
[New developments in the therapy of venous diseases, especially varices] Smejkal V.
Vnitr Lek 16:1188-94, Dec 70 (33 ref.) (Cze)
[Indications for Dicynone 500 in functional disorders of venous insufficiency] Joseph JY.
Lyon Med 225:657-9, 11 Apr 71 (Fre)
[Value of Ercevit P in dermatology] Bonnet J, et al.
Mars Med 106:273-6, 1969 (Fre)
[Value of the use of Ercevit P as an adjuvant in the surgical treatment of varicose veins of the lower limbs and in hemorrhoids] Roghi T, et al.
Phlebologie 23:365-75, Oct-Dec 70 (Fre)
[What can the physician expect from "venotropic" drugs?] Stemmer R.
Phlebologie 23:251-63, Jul-Sep 70 (Fre)
[Apropos of a new synthetic phlebotrope] Berson I.
Praxis 59:1305-6, 15 Sep 70 (Fre)
[Contribution to the treatment of venous disease. Gas plethysmography study of a new vaso-active drug] Kissel P, et al. Therapeutique 46:907-9, Nov 70 (Fre)
[Internal treatment of chronic venous insufficiency. Clinico-pharmacological studies] Tronnier H.
Munch Med Wochenschr 110:2303-7, 4 Oct 68 (Ger)
[New therapeutic findings in venous leg pain from the angle of a skin specialist] Brenn H.
Praxis 60:317-20, 9 Mar 71 (Ger)
[Inadvertent injection of the posterior tibial artery in obliteration of varicose veins] Buri P.
Praxis 59:924-7, 23 Jun 70 (Ger)
[Treatment of varicose symptom complex in gynecology with Rexiluven] Birkhoff HD, et al.
Ther Ggw 109:1779-80 passim, Dec 70 (Ger)
[Therapy of varicose symptom complex with Rexiluven] Gehrels PE.
Ther Ggw 109:1163-6 passim, Aug 70 (Ger)
[Treatment of varicose syndrome with Venopyronum] Matanić V. Ther Ggw 109:1805-6 passim, Dec 70 (Ger)
[Therapeutic results with a new gel preparation] Alter H. Z Allgemeinmed 46:1217-9, 31 Aug 70 (Ger)
[Venotensor--a hemodynamic agent for the varicose symptome complex] Heynen U.
Z Allgemeinmed 46:1221-3, 31 Aug 70 (Ger)
[Therapy of the varicose symptom complex] Füller H.
Z Haut Geschlechtskr 46:189-9?, 15 Mar 71 (Ger)
[The internal combination treatment of the varicous lower led edema] Lyck KH.
Z Haut Geschlechtskr 45:851-3, 1 Oct 70 (Ger)
[Influence of a flavonol glycoside on unwanted sclerosing solution reactions] Mauss HJ.
Zentralbl Gynaekol 93:496-9, 10 Apr 71 (Ger)
[Indications of the use of xanthinol-nicotinate as complementary therapy in medico-surgical treatment of phlebopathies of the lower limbs in the aged] Montori A, et al. G Gerontol 18:669-78, Jul 70 (Ita)
[Change in vital dye reabsorption in venous insufficiency of the legs induced by a vasoactive and vasoprotective drug] Rizzi B, et al.
Minerva Cardioangiol 19:216-27, Apr 71 (Ita)
[On prolonged treatment of phlebopathic patients with a combination of vasoactive and vasoprotective drugs. Rheographic study] Rizzi B, et al.
Minerva Cardioangiol 19:73-85, Feb 71 (Ita)
[The untoward aspects of phleboscierosing therapy] Krakovskiĭ NI, et al.
Khirurgiia (Mosk) 47:48-52, Feb 71 (Rus)
[Ambulatory treatment of varicose veins with Vistarin] Chalganov AI. Klin Med (Mosk) 49:125-8, Apr 71 (Rus)
[Significance of venography in the sclerotherapy of superficial varicose veins of the lower limbs] Grigorian RM, et al. Sov Med 33:22-5, 1970 (Rus)
[Sclerosing therapy of varicose surface veins of the legs] Chalganov AI. Vestn Khir 103:135-6, Nov 69 (Rus)
[Complex treatment of thrombosis and thrombophlebitis of the veins of the lower extremities] Kovalev MM, et al.
Vrach Delo 77-82, Jan 71 (Rus)

ETIOLOGY

Varicose veins and venous disorders of the lower limb. I. Anatomy, physiology and physiopathology. Dodd H.
Br J Clin Pract 25:19-22, Jan 71
The influence of femoral vein dynamics on the development of varicose veins. Folse R.
Surgery 68:974-9, Dec 70
[Cerebral vascular malformation revealed by periorbital varices in a 3 one-half year-old child] Fournier A, et al.
J Sci Med Lille 88:595-600, Nov 70 (Fre)
[Evaluation of the post-thrombotic syndrome] Matis P, et al. Hefte Unfallheilkd 107:132-41, 1970 (Ger)
[Trends in prevention and therapy of phlebopathies in obstetrics and gynecology] Zichella L, et al.
Minerva Ginecol 22:330-8, 31 Mar 70 (Ita)
[Reasons for recurrence in the treatment of varicose veins of the lower extremities] Khorov IS, et al.
Khirurgiia (Mosk) 46:83-7, Dec 70 (Rus)
[Etiology, pathogenesis and treatment of varicose veins of the lower extremities] Shopov N.
Khirurgiia (Mosk) 46:76-8, Dec 70 (Rus)
[Pathogenesis of varicose veins] Kuzin MI.
Klin Med (Mosk) 48:3-9, Nov 70 (Rus)
[Possible mechanism of the appearance and development of varicose veins] Razin VF, et al.
Klin Med (Mosk) 48:27-30, Nov 70 (Rus)
[Pathogenesis of varicose veins of the lower extremities] Alekseev PP, et al.
Sov Med 33:101-5, Oct 70 (Rus)
[Varices caused by congenital arteriovenous fistula] Alonso T. Angiologia 23:139-41, Jul-Aug 71 (Spa)

FAMILIAL & GENETIC

Lower limb venous dynamics in normal persons and children of patients with varicose veins. Reagan B, et al. Surg Gynecol Obstet 132:15-8, Jan 71
[Varicose disease considered as hereditary clinical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

disease] Mayall RC.
Resen Clin Cient 37:28-9, Jan-Feb 68 (Por)

OCCURRENCE

Varicose veins and occupation. Askar O, et al.
J Egypt Med Assoc 53:341-50, 1970
[Occurrence of varices and body size] Proppe A.
Cosmetologica 19:85-8, 20 Mar 70 (Ger)
[Medical and social importance of chronic phlebopathies of lower limbs] Noce R, et al.
Ann Ital Chir 45:780-8, 1969 (Ita)

PHYSIOPATHOLOGY

Simultaneous pressure and flow recordings in varicose veins of the lower extremity. A haemodynamic study of venous dysfunction. Bjordal R.
Acta Chir Scand 136:309-17, 1970
[Velocity of the venous blood flow before and after surgery for varicose veins of the legs] Papadimitriou J, et al. Phlebologie 24:39-43, Jan-Mar 71 (Fre)
[Peripheral venous pressure determination in primary and secondary varicosis] Hansen G, et al.
Chirurg 42:225-6, May 71 (Ger)
[Arterial blood pressure in chronic venous insufficiency] Barth A, et al.
Zentralbl Phlebol 10:2-9, 1971 (Ger)
[Changes in colloid-osmotic pressure in subjects with venous circulation disorders before and after exertion] Pirrelli A, et al.
Boll Soc Ital Cardiol 15:82-8, 1970 (Ita)
[Venous insufficiency of the lower extremity. Pathophysiology, clinical examination and surgical therapy] Bjordal R.
Tidsskr Nor Laegeforen 90:2082-8, 15 Nov 70 (Nor)
[Symposium on venous insufficiency of the lower extremities, its consequences and treatment. Introduction and limitation of symposium] Fretheim B. Tidsskr Nor Laegeforen 90:2079-81, 15 Nov 70 (Nor)
[Hemodynamics in patients with chronic venous insufficiency of the lower extremities before and after surgery] Sergeeva KA, et al.
Klin Med (Mosk) 48:30-4, Nov 70 (Rus)

PREVENTION & CONTROL

[The importance of treating so-called prevaricosis also from the psychosomatic and preventive viewpoints] Aichinger F, et al.
Cosmetologica 19:159-65, 20 May 70 (Ger)
[Prophylaxis of the post-labor thrombophlebitis of varicose surface veins of lower extremities] Frolova VI. Pediatr Akush Ginekol 1:47-8, Jan-Feb 69 (Ukr)

RADIOGRAPHY

Uterine phlebography with venous compression. A clinical and roentgenological study. Kauppila A.
Acta Obstet Gynecol Scand [Suppl] 3:Suppl 3:1-66, 1970
A clinical study on serial retrograde venography of the lower extremity with varicose veins. Nishiwaki M.
Nagoya J Med Sci 33:139-71, Sep 70
[Venous diseases in the female pelvis and their roentgenological examination] Kauppila A.
Duodecim 87:39-44, 1971 (Fin)
[Pulmonary varices, possible elements of complex congenital pulmonary anomalies] Brocard H, et al.
Ann Med Interne (Paris) 121:217-21, Feb 70 (Fre)
[Difficulties of radiographic diagnosis of gastric varices] Wellens P, et al.
J Belge Radiol 51:67-72, 1968 (Fre)
[Pyeloureteral varices] Lapointe A, et al.
J Can Assoc Radiol 21:169-72, Sep 70 (Fre)
[Contribution of radiology to the study of pulmonary veins] Viallet JF, et al.
J Radiol Electrol Med Nucl 51:688-90, Nov 70 (Fre)
[Evaluation of 232 phlebographies in varicosis of the lower extremities] Magnus L, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:689-98, May 71 (Ger)
[Caliber of deep leg veins in primary varicosis and in post-thrombotic syndrome (a phlebographic study)] Fischer H, et al. Hautarzt 21:205-11, May 70 (Ger)
[Functional phlebography using the casette changer TuR DZ 104] Müller JH, et al.
Radiol Diagn (Berl) 11:129-33, 1970 (Ger)
[X-ray picture of varices in the duodenal bulb] Knetsch A. Radiologe 10:323-6, Aug 70 (Ger)
[The solitary varix of the lung] Gulà G, et al.
Policlinico [Chir] 77:291-305, Nov-Dec 70 (Ita)
[Significance of venography in the sclerotherapy of superficial varicose veins of the lower limbs] Grigorian RM, et al. Sov Med 33:22-5, 1970 (Rus)
[Significance of phlebography in the disability evaluation of patients with varicose veins of the legs] Dimitrov P. Vestn Khir 105:61-3, Jul 70 (Rus)
[Diagnostic value of phlebography in varicose veins of the lower extremities] Agapov NI, et al.
Voen Med Zh 10:72-3, Oct 70 (Rus)
[Functional-anatomic dynamical phlebography as complement to the diagnosis of varicose patients] Simkin R.
Prensa Med Argent 57:1809-11, 20 Nov 70 (Spa)

SURGERY

A new instrument for the excision of varicose veins. Eghrari M. Angiology 22:97-8, Feb 71
1000 varicose vein operations. Present thoughts on proper treatment. Kutz CM. Angiology 22:14-7, Jan 71
Therapy of varicose veins of the lower limbs by light coagulator. Otsu A, et al. Angiology 22:107-13, Mar 71
Recurrence of varicose veins after the stripping operation. Lofgren EP, et al.
Arch Surg 102:111-4, Feb 71
An unusual presentation of varicose veins of the vulva. Royle JP, et al.
Aust NZ J Obstet Gynaecol 11:122-5, May 71
Disposable vein strippers. Dickinson KM.
Br Med J 2:524, 29 May 71
Hemostasis in saphenous phlebectomy. Yiavasis AA.
Med Ann DC 39:573, Oct 70
A technique for operation on the pathologic venous system. Pratt GH.
Surg Gynecol Obstet 132:1076-82, Jun 71
The small ball-buttomethod in the surgical treatment of varicose veins of the lower extremities. Dziaczkowski I. Vasc Surg 2:27-9, Dec 68
Complications after outpatient surgery for varicose veins and perforator incompetence. Haeger K. Vasc Surg 4:238-44, Dec 70
[Surgical treatment of leg varices and results during a 12-year period] Belchev V.
Khirurgiia (Sofiia) 22:483-8, 1969 (Bul)
[Parauterine varices and results of surgical treatment] Buus K, et al. Nord Med 85:85, 14 Jan 71 (Dan)
[Considerations on the surgical treatment of varices of the lower limbs after phlebitis of the deep trunks] Perrin M, et al. Angeiologie 23:101-3, Mar-Apr 71 (Fre)
[Surgical treatment of varices] Natali J.
Cah Coll Med Hop Paris 10:455-9, May 69 (Fre)
[Varices and their complications: surgical treatment of a difficult case] Junod JM.
Helv Chir Acta 38:167-70, Apr 71 (Fre)
[Electrical treatment of varices by electrofulguration] Desbonnets G, et al.
J Sci Med Lille 86:261-3, Apr 68 (Fre)
[Variable anatomic topography and the surgery of varicose veins] Aloisio R.
Phlebologie 23:329-33, Oct-Dec 70 (Fre)
[Long-term results in the surgical treatment of dermohypodermal sclerosis of legs] Vigoni M.
Phlebologie 23:203-10, Jul-Sep 70 (Fre)
[Surgical treatment of venous diseases in the leg] Luther R. Dtsch Med J 21:999-1003, 5 Aug 70 (Ger)
[Prothrombotic varices] Hohlbaum GG.
Med Welt 31:1232-5, 7 Aug 71 (Ger)
[Postoperative treatment of varicose veins] Klempa I, et al. Ther Ggw 109:1294-5 passim, Sep 70 (Ger)
[Combination of stripping and sclerosing in the management of leg varices] Haim E.
Wien Med Wochenschr 120:256-7, 11 Apr 70 (Ger)
[Primary varicosities and vein extraction (vein stripping)] Wandrey R.
Zentralbl Chir 96:171-6, 30 Jan 71 (Ger)
[Special problems in varicose vein surgery] Haeger K.
Zentralbl Phlebol 10:80-9, 1971 (Ger)
[Why again Trendelenburg-Moszkowicz?] Schläpfer E.
Zentralbl Phlebol 10:90-4, 1971 (Ger)
[The forgotten varicose vein] Schobinger RA.
Zentralbl Phlebol 10:95-8, 1971 (Ger)
[Experiences with the vein eraser] Stucki-von Muralt P. Zentralbl Phlebol 10:102-4, 1971 (Ger)
[On some cases of recurrent varicose veins] Fiordigiglio G, et al.
Arch Chir Torac Cardiovasc 27:75-87, Jan-Mar 70 (Ita)
[On changes in vascular dynamics of the lower extremities induced with an association of drugs in patients with phlebopathies. (Peroperative rheographic findings)] Rizzi B, et al.
Minerva Cardioangiol 19:389-75, Jul 71 (Ita)
[Personal experience with surgical treatment of varices of the lower limbs. Considerations on 450 cases] Castelli F. Minerva Chir 25:802-6, 15 Jun 70 (Ita)
[Extraction of varicose vein using the guitar string] Chiba T, et al. Shujutsu 24:1570-2, Dec 70 (Jap)
[Radical surgery of varicose veins without bleeding] Miyake H, et al.
Rev Assoc Med Bras 16:419-22, Dec 70 (Por)
[Reasons for recurrence in the treatment of varicose veins of the lower extremities] Khorov IS, et al.
Khirurgiia (Mosk) 46:83-7, Dec 70 (Rus)
[Choice of a surgical operation for varicose veins of the lower extremities] Ostrovskiĭ SE.
Khirurgiia (Mosk) 47:56-60, Feb 71 (Rus)
[Diagnosis and surgery of venous aneurysms and phlebectasia] Pokrovskiĭ AV, et al.
Khirurgiia (Mosk) 46:127-32, Apr 70 (Rus)
[Etiology, pathogenesis and treatment of varicose veins of the lower extremities] Shopov N.
Khirurgiia (Mosk) 46:76-8, Dec 70 (Rus)
[New circular buried suture in varices of subcutaneous veins] Ershov VG. Klin Khir 2:58-60, Feb 71 (Rus)
[Injury to the deep femoral vessels at the time of phlebectomy] Razin VF.
Klin Khir 8:36-7, Aug 70 (Rus)
[Early and late results of surgery of varicose veins of lower extremity superficial veins] Serdiuk AI.
Klin Khir 8:43-4, Aug 70 (Rus)
[Hemodynamics in patients with chronic venous insufficiency of the lower extremities before and after surgery] Sergeeva KA, et al.
Klin Med (Mosk) 48:30-4, Nov 70 (Rus)
[Treatment of varicose veins of the spermatic cord according to V.V. Iakovenko's method] Chizh PM.
Voen Med Zh 9:62-3, Sep 70 (Rus)
[Treatment of varix with insufficiency of venous valves] Rašović L, et al.
Srp Arh Celok Lek 98:905-17, Jun 70 (Ser)
[A new method in the surgery of varices. Preliminary report] Mc Cook J.
Angiologia 23:20-4, Jan-Feb 71 (Spa)

THERAPY

Injection-compression treatment of varicose veins. Trethar LL, et al. Am J Surg 120:539-41, Oct 70
Management of varicose veins during pregnancy. Nabatoff RA, et al. Obstet Gynecol 36:928-34, Dec 70
The treatment of varicose veins. Cotton LT.
Practitioner 206:352-8, Mar 71
The injection treatment of varicose veins: a follow-yup study of 264 patients. Pattisson PH, et al.
Vasc Surg 5:1-5, Jan-Feb 71
[Is ulcus cruris a crux medicorum?] Richard A.
Med Welt 44:1922-3, 31 Oct 70 (Ger)
[Specific compression in varicosclerosation] Boslet W.
Munch Med Wochenschr 113:778-80, 14 May 71 (Ger)
[Management of varicose veins in pregnancy. Prevention of thrombosis during the puerperium] Wuppermann T, et al.
Munch Med Wochenschr 112:425-9, 6 Mar 70 (Ger)
[Physical therapy in varicose symptom complex] Nikolova L. Ther Ggw 110:752 passim, May 71 (Ger)
[New therapy in the area of varicosities, thrombosis, lymphatic obstruction and other inflammatory processes. The effect of ionoduct using Dr. Rienmuller's system] Ringel W.
Z Allgemeinmed 47:484-5, 31 Mar 71 (Ger)
[Sclerosing therapy for varicose veins of the lower extremities under polyclinic conditions] Abramian AA. Khirurgiia (Mosk) 47:82-4, Feb 71 (Rus)
[Varicocide treatment of varicose veins of the lower extremities] Nagovitsyn ES.
Khirurgiia (Mosk) 47:80-2, Feb 71 (Rus)
[Use of elastic dressing for prophylaxis and therapy of varicose veins] Bezverkhiĭ DV.
Klin Khir 10:61-4, Oct 69 (Rus)
[Use of a puncture monoactive electrode in the treatment of varicose veins of the lower extremities] Frantsev VI, et al. Vestn Khir 105:77-80, Nov 70 (Rus)
[Sclerosing therapy of varices of the lower extremities using local hypothermia] Sibgatulin NZ.
Vestn Khir 102:12-4, May 69 (Rus)
[Ambulatory treatment of varices of the lower extremities using a sclerosing method] Zhorov IS, et al. Vestn Khir 102:10-2, May 69 (Rus)
[Treatment of patients with venous system pathologies at the Sochi-Matsesta health resort (varicose veins of the legs and thrombophlebitis)] Karasev IT. Vopr Kurortol Fizioter Lech Fiz Kult 35:326-9, Jul-Aug 70 (Rus)

VARNISH see under PAINT (J)

VARNISH, CAVITY see under DENTAL CAVITY LINING (E6)

VAS DEFERENS (A5)

Roentgen features of reflux into the prostate, seminal vesicles and vasa deferentia. Mitty HA.
Am J Roentgenol Radium Ther Nucl Med 112:803-6, Jul 71
Case report of a congenital urethro-vaso-cutaneous fistula. Hawtrey CE. J Urol 104:555-6, Oct 70
Calcification of the seminal vesicles and vas deferens in a uremic patient. Silber SJ, et al.
J Urol 105:542-4, Apr 71
[Studies on the alpha-receptor of vas deferens. Kubota K, et al. Jap J Smooth Muscle Res 6:188-96, Sep 70
[Contraception by vasectomy] Scholtmeijer RJ.
Ned Tijdschr Geneeskd 115:1419-21, 21 Aug 71 (Dut)
[Calcifications of the vas deferens. (3 cases)] Herzog B, et al. J Radiol Electrol Med Nucl 51:811-2, Dec 70 (Fre)
[Tumors and neoplasms of the epididymis and vas deferens] Bibus B, et al.
Z Urol Nephrol 62:529-34, 1969 (Ger)

ABNORMALITIES

Non-fused crossed renal ectopia verified by radioisotope scanning and agenesis of the vas deferens on the ipsilateral side. Lurie A, et al.
Urol Int 26:45-50, 1971

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

Regional variations in the distribution of noradrenaline along the rat vas deferens. Zieher LM, et al. J Pharm Pharmacol 23:61-3, Jan 71

ANATOMY & HISTOLOGY

[Specialized neuromuscular connections in the vas deferens of the rat] Ivanov DP. J Neurovisc Relat 32:143-55, 1971 (Fre)

CYTOLOGY

Ultrastructural criteria for assessing the functional integrity of endocrine cells in vitro. Milner AJ, et al. Acta Endocrinol [Suppl] (Kbh) 153:62-80, 1971
Enhancement of the granulation of adrenergic storage vesicles in drug-free solution. Iwayama T, et al. J Cell Biol 48:699-703, Mar 71
Surface features of smooth muscle cells from the mesenteric artery and vas deferens. Devine CE, et al. J Cell Sci 8:427-43, Mar 71
Arrangement, ultrastructure, and adrenergic innervation of smooth musculature of the ductuli efferentes, ductus epididymidis and ductus deferens of man. Baumgarten HG, et al. Z Zellforsch Mikrosk Anat 120:37-79, 1971
[The ampulla of the vas deferens in goats] Wrobel KH. Zentralbl Veterinaermed [A] 18:250-63, May 71 (Ger)

DRUG EFFECTS

Adrenergic beta receptors in vas deferens. Ganguly DK, et al. Arch Int Pharmacodyn Ther 185:406-12, Jun 70
Motor transmission in the vas deferens: the inhibitory action of noradrenaline. Ambache N, et al. Br J Pharmacol 40:556P+, Nov 70
Concentrations of desipramine in the vas deferens and potentiation of noradrenaline response. Binini R, et al. Br J Pharmacol 41:390P+, Feb 71
Acceleration of noradrenaline biosynthesis in the guinea-pig vas deferens by potassium. Boadle-Biber MC, et al. Br J Pharmacol 40:702-20, Dec 70
The detection and assay of noradrenaline released from isolated tissues during intramural nerve stimulation. Hughes J. Br J Pharmacol 40:555P+, Nov 70
Changes in the responsiveness of the colon and vas deferens to nerve stimulation and injected transmitters in the pithed rat following chronic morphine treatment. McKiernan JM, et al. Br J Pharmacol 40:559P, Nov 70
Influence of the optical isomers of some centrally acting drugs on norepinephrine responses. Patil PN, et al. Eur J Pharmacol 12:132-5, 1 Sep 70
Effect of amphetamine on the uptake, release and effectiveness of xylocholine in the guinea-pig vas deferens. Dean HG, et al. J Pharm Pharmacol 23:606-11, Aug 71
The effects of cocaine, norepinephrine and ionic stimulants on the isolated, superfused rat vas deferens: antagonism by "adrenergic neuron blockers" and reserpine. Greenberg S, et al. J Pharmacol Exp Ther 177:136-45, Apr 71
An inhibitory effect of prostaglandin E2 on neuromuscular transmission in the guinea-pig vas deferens. Ambache N, et al. J Physiol (Lond) 208:30P-32P, May 70
The effect of isoprenaline, theophylline and adenosine 3', 5'-monophosphate on the isolated vas deferens of the guinea-pig. Lamble JW. Life Sci [I] 9:463-70, 15 Apr 70
Comparison of the effects of alpha-methyltyrosine on the noradrenaline stores of different peripheral organs of the rat. Swedin G. Life Sci [I] 9:1249-59, 1 Nov 70
Mode of action of 5-hydroxytryptamine on isolated rat vas deferens. Nishino K, et al. Nature (Lond) 228:564-5, 7 Nov 70
[Urea alteration in the alpha-receptor and the acetylcholine receptor of the vas deferens] Kubota K, et al. Folia Pharmacol Jap 66:643-50, 1970 (Jap)
[Effects of cholinergic and adrenergic drugs on junction potential of the longitudinal muscle of the guinea pig vas deferens] Ozawa H, et al. Folia Pharmacol Jap 66:627-42, 1970 (Jap)

EMBRYOLOGY

[Fine structure of the epithelia of the Wolffian duct and of the vas deferens in fetal sheep] Tiedemann K. Z Zellforsch Mikrosk Anat 113:230-48, 1971 (Ger)

ENZYMOLOGY

Noradrenaline metabolizing enzymes in normal and sympathetically denervated vas deferens. Jarrott B, et al. J Neurochem 18:1-6, Jan 71

INJURIES

Restoration of the divided ductus deferens by adhesive material. Bornemisza G, et al. Acta Chir Acad Sci Hung 11:335-9, 1970

INNERVATION

A comparison of the sensitivities of innervated and denervated rat vasa deferentia to agonist drugs. Birmingham AT, et al. Br J Pharmacol 39:748-54, Aug 70
Regeneration of sympathetic nerves to the vas deferens and spleen of the cat. Kirpekar SM, et al. J Pharmacol Exp Ther 175:197-205, Oct 70
Chemical and histochemical studies on the sympathetic innervation of the vas deferens and seminal vesicle of the guinea pig. Wakade AR, et al. J Pharmacol Exp Ther 178:433-41, Sep 71
Sympathetic denervation of the smooth muscle of the vas deferens. Birmingham AT. J Physiol (Lond) 206:645-61, Mar 70
Changes in the number of vesicles and the size of sympathetic nerve terminals following nerve stimulation. Côté MG, et al. Rev Can Biol 29:111-4, Jun 70
The distribution of cholinergic and adrenergic nerve fibres in the retractor penis and vas deferens of the dog. Bell C, et al. Z Zellforsch Mikrosk Anat 106:516-22, 1970

METABOLISM

Uptake and binding in vivo of 3H labelled androgen in the rat epididymis and ductus deferens. Hansson V, et al. Acta Endocrinol (Kbh) 66:745-55, Apr 71
Effect of nerve stimulation and angiotensin on the accumulation of 3 H-norepinephrine and the endogenous norepinephrine level in guinea pig vas deferens. Palaić D, et al. Biochem Pharmacol 18:2693-700, Oct 69
Binding of N-(2-bromo ethyl)-N-ethyl-N 1 -naphthylmethylamine HBr (SY28) to the proteins of guinea-pig vas deferens. Graham JD, et al. Br J Pharmacol 42:428-36, Jul 71
Testosterone metabolism in target tissues. 2. Human fetal and adult reproductive tissues, perineal skin and skeletal muscle. Keich RP, et al. J Clin Endocrinol Metab 32:449-56, Apr 71
Inhibition of norepinephrine biosynthesis by chlorpromazine in the guinea-pig vas deferens. Johnson DG, et al. J Pharmacol Exp Ther 177:146-54, Apr 71
Acceleration of catecholamine formation in the guinea-pig vas deferens after hypogastric nerve stimulation: roles of tyrosine hydroxylase and new protein synthesis. Thoa NB, et al. J Pharmacol Exp Ther 178:442-9, Sep 71
Micropuncture studies of the electrochemical aspects of fluid and electrolyte transport in individual seminiferous tubules, the epididymis and the vas deferens in rats. Levine N, et al. J Physiol (Lond) 213:557-70, Mar 71
[Influence of prolactin and progesterone on nucleic acid metabolism in the prostate, vesicular gland and ductus deferens of juvenile hypophysectomized rats and orchidectomized rats] Berswordt-Wallrabe R vo, et al. Acta Endocrinol [Suppl] (Kbh) 152:7, 1971 (Ger)
[Release and biosynthesis of noradrenaline in the organs controlled by the nervous system] Ando N. Folia Pharmacol Jap 66:530-50, 20 Sep 70 (Jap)

PATHOLOGY

Vasitis nodosa. Olson AL. Am J Clin Pathol 55:364-8, Mar 71
[The effect of ligation of the internal iliac arteries upon the prostate, seminal vesicle, vas deferens] Suzuki H. Acta Urol Jap 17:347-54, May 71 (Jap)

PHYSIOLOGY

Biphasic mechanical response of the isolated vas deferens to nerve stimulation. Swedin G. Acta Physiol Scand 81:574-6, Apr 71
Some physiological and pharmacological characteristics of the motor transmission in the guinea-pig vas deferens. Ambache N, et al. J Physiol (Lond) 212:15P-16P, Jan 71
Evidence against adrenergic motor transmission in the guinea-pig vas deferens. Ambache N, et al. J Physiol (Lond) 216:359-89, Jul 71
[Anti-arrhythmic agents and sympathetic stimulation of the vas deferens] Wellens D, et al. J Physiol (Paris) 62:Suppl 3:464-5, 1970 (Fre)

RADIOGRAPHY

The calcified vas deferens. Grünebaum M. Isr J Med Sci 7:311-4, Feb 71
Calcification of the vasa deferentia in nondiabetics. King JC Jr, et al. Radiology 100:603-6, Sep 71
[Deferentography in sterility due to excretory azoospermia] Cognat M, et al. Bull Fed Soc Gynecol Obstet Lang Fr 21:426-7, Sep-Oct 69 (Fre)

SECRETION

Secretory activity of the rabbit vas deferens. Mroueh A, et al. Invest Urol 8:210-4, Sep 70
The metabolism of (3H)noradrenaline released by electrical stimulation from the isolated nictitating membrane of the cat and from the vas deferens of the rat. Langer SZ. J Physiol (Lond) 208:515-46, Jul 70

SURGERY

Bilateral partial vasectomy for elective sterilization. Greene LF. Am Fam Physician 4:73-80, Aug 71
Reversibility of vasectomy. Cattolica EV. Ann Intern Med 75:475, Sep 71
Intra-abdominal vasectomy in bladder neck surgery. Morgan EK. Br J Urol 42:738, Dec 70
Medico-legal implications of vasectomy. Potts IF. Br J Urol 42:737-8, Dec 70
A male sterilization clinic. Jackson P, et al. Br Med J 4:295-7, 31 Oct 70
Technique of vasectomy. Schmidt SS. Br Med J 2:524-5, 29 May 71
Vasectomy clamp. Tinckler L. Br Med J 2:395, 15 May 71
Male sterilization. Walton HC. Br Med J 4:748, 19 Dec 70
Vasectomy. Watts GT. Br Med J 4:620-1, 5 Dec 70
Psychological aspects of vasectomy. Wolfers H. Br Med J 4:297-300, 31 Oct 70
Vasectomy. Todd IA. Can Nurse 67:20-3, Aug 71
Reversibility of sterilization produced by vas occlusion clip. Jhaver PS, et al. Fertil Steril 22:263-9, Apr 71
Pituitary gonadotrophins (follicle-stimulating hormone and interstitial cell-stimulating hormone) and seminal vesicular fructose after long-term vasectomy in bulls. Rakha AM, et al. Fertil Steril 22:581-3, Sep 71
Percutaneous vasectomy a comparative study using a new instrument and technique. Sekhon GS. Indian J Med Res 58:1433-42, Oct 70
Vasectomy in the army. Varma RN, et al. Indian J Med Res 59:655-9, Apr 71
Nonsutured, nonsplinted anastomosis of the vas deferens: a preliminary report. Gursel E, et al. Invest Urol 8:417-25, Jan 71
Temporary occlusion of ductus deferens. Moon KH, et al. Invest Urol 8:292-8, Nov 70
Suprascrotal vasectomy. Gupta SM. J Indian Med Assoc 54:561-3, 16 Jun 70
Suprascrotal vasectomy. Gupta SM. J Indian Med Assoc 54:561-3, 1 Jul 70
Vasectomy in the control of epididymitis after prostatectomy following urethral catheter drainage. Brooks MB, et al. J Urol 105:694-7, May 71
Vasectomy. Schmidt SS. JAMA 216:522, 19 Apr 71
Vasectomy. Monro JK. Lancet 1:350, 13 Feb 71
Semen examinations after vasectomy. Smith JC. Lancet 1:38, 2 Jan 71
Semen examinations after vasectomy. Temple JG, et al. Lancet 2:1258, 12 Dec 70
Thrombophlebitis after vasectomy. Roberts HJ. N Engl J Med 284:1330, 10 Jun 71
Vasoresection following epididymitis among patients with spinal cord injury. Comarr AE. Proc Annu Clin Spinal Cord Inj Conf 15:47-52, 7 Nov 66
Regenerative growth of the vas deferens resembling a low-grade carcinoma. Report of a case. Grüner OP. Scand J Urol Nephrol 4:83-5, 1970
Vasectomy. Hoskins JH. SD J Med 24:5-6 passim, Mar 71
A comparison between the use of a vasectomised ram and hormone impregnated intravaginal sponges. Ross DB. Vet Rec 87:273-5, 29 Aug 70
[Mental disturbances following vasectomy?] Schirren C. Z Allgemeinmed 47:871, 10 Jun 71 (Ger)
[Vasectomy] Schirren C. Z Haut Geschlechtskr 46:317-8, 1 May 71 (Ger)

VASCULAR DISEASES (C8)

Median arcuate ligament syndrome. Stanley JC, et al. Arch Surg 103:253-8, Aug 71
Reversibility of poststenotic dilatation in the femoral arteries of dogs. Roach MR. Circ Res 27:985-93, Dec 70
Vascular diseases. Mathur KS. J Assoc Physicians India 18:31-42, Jan 70 (74 ref.)
An observation on post-operative spasm and its possible significance. Brice J. J Neurol Neurosurg Psychiatry 33:718, Oct 70
Vascular disease of the spinal cord. Infante E, et al. Minn Med 53:1009-17, Sep 70
Peripheral vascular disease in the elderly. Morton EV. Practitioner 206:368-75, Mar 71
Peripheral vascular disease in the geriatric age group. Patman RD, et al. Tex Med 67:88-93, Feb 71
Angiodyskinesia. A new vascular syndrome. Amir-Jahed AK. Vasc Surg 2:164-73, Sep 68
[Angina abdominalis] Dongen RJ van. Ned Tijdschr Geneeskd 114:2104-5, 12 Dec 70 (Dut)
[Choroid changes of a triangular type] Amalric P, et al. Bull Mem Soc Fr Ophtalmol 82:449-55, 1969 (Fre)
[Superior vena cava syndrome] Berkman M, et al. Coeur Med Interne 10:307-11, Apr-Jun 71 (Fre)
[Importance and difficulties of clinical experimentation in angeiology] Reinharez D. Phlebologie 23:325-8, Oct-Dec 70 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Development of manifest and latent arterial occlusion illnesses in "vascularly healthy" people] Thiele P, et al. Dtsch Gesundheitsw 25:1638-42, 27 Aug 70 (Ger)
[Nicotine abstinence in local blood circulation disorders] Bollinger A.
Dtsch Med Wochenschr 96:134, 15 Jan 71 (Ger)
[Skin manifestations in malignant diseases. I. Blood vessel manifestations, Acanthosis nigricans] Belisario JC. Hautarzt 22:95-100, Mar 71 (Ger)
[Peripheral arterial occlusive diseases] Frisch P.
Hippokrates 39:654-60, 15 Sep 68 (Ger)
[Skin and peripheral circulation. II. Diagnostic, etiologic and clinical relationships] Köster R.
Med Klin 65:997-1004, 15 May 70 (Ger)
[Circulatory disorders of the arteries] Leucht K.
Munch Med Wochenschr 112:1784-92, 2 Oct 70 (52 ref.) (Ger)
[Diagnostic and therapeutic problems in the treatment of vascular diseases] Meskó E.
Orv Hetil 111:1683-7, 19 Jul 70 (Hun)
[Pre- and post-operative treatment of vasculopathic and aged patients: our experience with xanthinol nicotinate (Complamin)] Grugni P, et al.
Acta Anaesthesiol (Padova) 21:217-23, Mar-Apr 70 (Ita)
[Obstructions of the anterior tibial artery (anterior tibial artery syndrome)] D'Addato M, et al.
Acta Chir Ital 25:741-63, Nov-Dec 69 (Ita)
[Physiopathology of retinal-optic circulation] Moro F.
Ann Ottalmol Clin Ocul 95:281-307, Apr 69 (Ita)
[Interdependence between the neuro-vegetative system and vascular functional changes in periodontal diseases] Tartaro S.
Arch Stomatol (Napoli) 10:209-37, Jul-Sep 70 (Ita)
[Interdependence between the neuro-vegetative system and vascular functional changes in periodontal diseases] Tartaro S.
Arch Stomatol (Napoli) 10:209-37, Jul-Sep 69 (Ita)
[Electrometric study of some types of neuroangiodermatitis] Scarpa C, et al.
G Ital Dermatol 44:544-6, Oct 69 (Ita)
[On the role of anomalies of the course of the iliac arteries in the genesis of peripheral ischemic manifestations of the lower extremities] Galli E, et al.
Minerva Cardioangiol 18:284-6, May 70 (Ita)
[Recent studies of porto-arterial (parenchymo-connective tissue) circulatory disorder in Morgagni-Laennec cirrhosis and its importance in histopathogenesis of the disease process and in vascular surgical treatment] Paterni L.
Minerva Med 61:5169-79, 14 Nov 70 (Ita)
[Pathology of subclavian artery] Cevese PG, et al.
Recent Progr Med (Roma) 49:164-200, Aug 70 (128 ref.) (Ita)
[The so-called livedo racemosa syndrome of the skin with cerebral changes] Buksowicz C, et al.
Neurol Neurochir Pol 4:587-90, Sep-Oct 70 (Pol)
[Pain syndromes in chronic venous insufficiency of lower extremities] Salamon Z.
Wiad Lek 24:1061-5, 1 Jun 71 (7 ref.) (Pol)
[Experimental study of the toxic properties of the serum of patients with hemorrhagic vasculitis of the skin] Kulaga VV, et al.
Vestn Dermatol Venerol 44:20-4, Mar 70 (Rus)
[Calcification of the abdominal aorta and pelvic vessels in the pilot population] Soxinov SI, et al.
Voen Med Zh 8:70-1, Aug 70 (Rus)
[Clinico-electrocardiographic changes during perfusion chemotherapy of malignant tumors of the extremities] Levin AO, et al.
Vopr Onkol 16:3-7, 1970 (Rus)
[Necrosing livedo reticularis] Arruda S.
Angiologia 23:93-102, May-Jun 71 (Spa)
[Analysis of 351 cases of arterial pathology] Gomez-Marquez J.
Angiologia 22:172-9, Jul-Aug 70 (Spa)
[The coeliac artery compression syndrome] Vang JO, et al. Nord Med 85:124, 28 Jan 71 (Swe)

BLOOD

The association between cutaneous vasculitis and decreased blood fibrinolytic activity. Cunliffe WJ, et al. Br J Dermatol 84:99-105, Feb 71
Abnormalities in glucose tolerance and lipid levels in patients with peripheral arterial occlusive disease. Bliss BP. Br J Surg 58:306, Apr 71
[Bloodless measurement of the venous pressure. A method for routine studies of venous circulation disorders] Kuiper JP, et al.
Hautarzt 22:153-9, Apr 71 (Ger)
[Results of a comparative cross section study of healthy persons and patients with circulatory disorders in longitudinal epidemiological studies] Tägert J.
Z Kreislaufforsch 59:744-56, Aug 70 (Ger)
[Blood levels of carboxyhemoglobin in persons who died from disease and injury] Cherkavskiĭ NB.
Sud Med Ekspert 13:26-7, Jul-Sep 70 (Rus)

CHEMICALLY INDUCED

The role and significance of vasodilatation in the development of small arterial lesions in the rat. Kóczé A, et al. Angiologica 7:374-80, 1970
Angiitis in drug abusers. Johnson TE.
N Engl J Med 284:504, 4 Mar 71
Angiitis in drug abusers.
N Engl J Med 284:111-3, 14 Jan 71
Upper limb ischaemia due to ergotamine tartrate. Felix RH, et al. Practitioner 205:71-2, Jul 70
[Steroid anesthesia and venous compatibility] Csernohorszky V. Anaesthesist 20:79-80, Feb 71 (Ger)
[Acute circulatory changes induced with mercury. Experimental study in anesthetized rabbits] Ciria AM, et al. Med Lav 61:569-79, Nov 70 (Ita)
[Synthetic progestogens and phlebopathies] Degrassi R. Minerva Med 62:743-4, 24 Feb 71 (Ita)
[Vascular pathology secondary to administration of estroprogestogens] Serban MD.
Stud Cercet Endocrinol 22:99-112, 1971 (Rum)
[Anti-alcohol effects of oral antidiabetics and mal rouge (apropos of a case)] Devrim S.
Tip Fak Mecm 32:83-93, 1969 (Tur)

CLASSIFICATION

[Nosology of functional or dystonic vascular acrosyndromes] Merlen JF.
Lille Med 13:279-86, Mar 68 (Fre)

COMPLICATIONS

The macular vessels in predisciform and disciform senile macular degeneration. Zauberman H, et al.
Am J Ophthalmol 70:498-504, Oct 70
Venous stasis ulcers of the lower extremity complicated by arterial insufficiency. Hallin RW.
Am Surg 37:495-7, Aug 71
Obstruction of the inferior vena cava with renal vein thrombosis. Report of a case in a 3-year-old boy, and review of the literature. Papaioannou AC, et al.
Angiology 22:114-20, Mar 71
Internuclear ophthalmoplegia, typical and atypical. Cogan DG. Arch Ophthalmol 84:583-9, Nov 70
Hypertension and dissecting aneurysm of the renal artery. Perry MO. Arch Surg 102:216-7, Mar 71
Facial pain and vascular disease. Some clinical observations. Norman JE de.
Br J Oral Surg 8:138-44, Nov 70
Aortic aneurysm and peptic ulcer. Barabas AP, et al.
Br Med J 2:768-9, 26 Jun 71
Subacute necrotizing encephalomyelopathy associated with renal and arterial lesions. Crome L.
Brain 93:709-14, 1970
Rubeosis iridis. Anderson DM, et al.
Can J Ophthalmol 6:183-8, Jul 71
EMG study of opsoclonus occurring in vertebro-basilar insufficiency. Brichet B, et al.
Electroencephalogr Clin Neurophysiol 29:534, Nov 70
Coeliac disease, vasculitis, and cryoglobulinaemia. Doe WF, et al. Gut 11:1066-7, Dec 70
Ocular vascular accidents. Little HL.
J Okla State Med Assoc 64:133-6, Apr 71
Primary anastomosis of aneurysms of the ascending aorta caused by cystic medial necrosis. Trinkle JK, et al. J Thorac Cardiovasc Surg 62:281-4, Aug 71
Aortocaval compression during cesarean section. A cause of newborn depression. Goodlin RC.
Obstet Gynecol 37:702-5, May 71
Cor pulmonale in emphysema. Heath D.
Pathol Microbiol (Basel) 35:157-60, 1970
Prerenal uremia in chronic renal diseases. II. Prerenal uremia due to hypovolemia. Orlowski Z.
Pol Med J 8:846-52, 1969
Dermatological complications of peripheral vascular disease. McCallum DI. Practitioner 206:358-67, Mar 71
Patchy alopecia, anhidrosis, eccrine gland wall hypertrophy and vasculitis. Sarkany I.
Proc R Soc Med 63:888-9, Sep 70
Vascular abnormalities in congenital generalized elastolysis (cutis laxa): report of a case. Wagstaff LA, et al. S Afr Med J 44:1125-7, 3 Oct 70
The Bowman lecture. The eye as an index of generalized vascular disease. Pickering GW.
Trans Ophthalmol Soc UK 89:83-124, 1970
[Reliability of measurements of blood pressure differences induced by stenosis of the arterial tree using catheterization. 3] Beránek I, et al.
Cas Lek Cesk 110:65-70, Jan 71 (Cze)
[Significance of vascular circulation disorders in bones and their sequelae] Lenoch F.
Cas Lek Cesk 109:953-6, 1970 (Cze)
[Problems in the treatment of hypertensive patients with disorders of both kidney arteries] Boer HH de, et al. Ned Tijdschr Geneeskd 115:247-50, 6 Feb 71 (Dut)
[The effect of venous obstruction on bone and cartilage tissue and on the intervertebral disk; experimental study in rats] Kóry I, et al.
Ned Tijdschr Geneeskd 114:2158-9, 19 Dec 70 (Dut)
[Aspects of causes and treatment of ulcus cruris] Meer BJ van der.
Ned Tijdschr Geneeskd 115:1177-80, 10 Jul 71 (Dut)
[Periarterial celiac trunk fibrosis causing a clinical and biologic syndrome of recurrent pancreatitis?] Cornil A, et al. Acta Gastroenterol Belg 33:51-69, Jan 70 (Fre)
[Electronystagmographic study of vertebrobasilar insufficiency] Bosch J.
Acta Otorhinolaryngol Belg 24:418-25, 1970 (Fre)
[Chronic visceral and pancreatic arteriopathies] Stoppa R, et al. Angeiologie 23:52, Jan-Feb 71 (Fre)
[Arteriopathy of the lower limbs. Livedo at the level of the feet and dysglobulinemia] Texier L, et al.
Bull Soc Fr Dermatol Syphiligr 78:54, 1971 (Fre)
[Atypical pigmentary retinopathy and stenosis of ophthalmic artery origin] Bronner A, et al.
Bull Soc Ophtalmol Fr 69:660-5, Jul-Aug 69 (Fre)
[Systemic hypertension and multiple arterial stenosis in a child with a normal morphotype] Coumel P, et al.
Coeur Med Interne 9:527-30, Oct 70 (Fre)
[Vertigo-like complications in vascular diseases] Hadži-Boškov A, et al.
God Zb Med Fak Skopje 16:109-16, 1970 (Fre)
[Arterial deficiency in the celiac trunk and inferior and superior mesenteric areas]
J Chir (Paris) 101:213-36, Feb 71 (Fre)
[Visceral arteriopathies and chronic pancreatitis] Stoppa R, et al. J Sci Med Lille 89:39-40, Jan 71 (Fre)
[Deafness of vascular origin] Pandazopoulos P, et al.
Minerva Otorinolaringol 21:153-5, Jul-Aug 71 (Fre)
[Severe gastric hemorrhages caused by microexulceration and inaparent arterial erosion] Ladouch A, et al. Presse Med 79:1331-6, 12 Jun 71 (Fre)
[Fetal prognosis in vasculo-renal syndrome of pregnancy and the puerperium] Palliez R, et al.
Rev Fr Gynecol Obstet 65:707-13, Dec 70 (Fre)
[Study of etiologic and prognostic factors in epilepsy with the onset after 60 years of age] Vercelletto P, et al. Sem Hop Paris 46:3133-7, 28 Nov 70 (Fre)
[Ischemic lesions of the small intestine] Stirnemann H, et al. Bruns Beitr Klin Chir 218:423-9, Feb 71 (Ger)
[Internal ear and vascular diseases of the posterior cranial fossa] Decher H. HNO 17:97-104, Apr 69 (Ger)
[Pathogenesis of the acute development of the isolated elimination of the vestibular apparatus] Temesrédkisi D. HNO 18:313-6, Oct 70 (Ger)
[Etiology of unilateral edema of the lower extremity with reference to compression syndrome of the left pelvic blood vessels] Malina J, et al.
Kinderaerztl Prax 38:58-64, Feb 70 (Ger)
[Downhill varices: esophageal varices without portal hypertension] Gerstenberg E, et al.
Med Welt 22:1433-6, 11 Sep 71 (Ger)
[Male disorders of potency due to vascular factors. Diagnosis and treatment] Loose KE.
Munch Med Wochenschr 112:405-12, 6 Mar 70 (Ger)
[Pathogenesis of tinea pedis, especially in peripheral circulation disorders] Dahlke H.
Mykosen 14:353-9 contd, Jun 71 (Ger)
[Pathogenesis of Tinea pedis, especially in peripheral blood circulation disorders] Dahlke H.
Mykosen 14:437-41, 1 Sep 71 (Ger)
[[Pathogenesis of tinea pedis, particularly in peripheral circulation disorders. 1st continuation] Dahlke H. Mykosen 14:409-13 contd, 1 Aug 71 (Ger)
[Malnutrition and insufficient perfusion as the causes of organic psychoses] Schulte W.
Verh Dtsch Ges Inn Med 75:837-40, 1969 (Ger)
[Dermatological aspects of chronic venous insufficiency. Clinical aspects, differential diagnosis and nomenclature of secondary skin changes] Brunner U. Zentralbl Phlebol 9:207-10, Nov 70 (Ger)
[Diagnosis and therapy of the eczema in chronic venous insufficiency] Schnyder UW.
Zentralbl Phlebol 9:211-6, Nov 70 (Ger)
[Vertebro-basilar insufficiency and the vestibular apparatus] Dufour A, et al.
Arch Ital Otol 81:67-74, Mar-Apr 70 (Ita)
[New etiopathogenetic opinions concerning nephrovascular arterial hypertension] Durand D, et al. Cardiol Prat 21:269-71, Aug 70 (Ita)
[Chronic celiaco-mesenteric arterial insufficiency in geriatric clinical medicine] Cicala V, et al.
G Gerontol [Suppl] 40:5-221, 1969 (Ita)
[Clinical research on the therapeutic action of mucopolysaccharides of vascular origin in cutaneous vascular pathology] Giacometti C, et al.
G Ital Dermatol 46:231-5, May 71 (Ita)
[Antalgic treatment of peripheral vascular diseases] Mostarda GF.
Minerva Anestesiol 36:575-612, Sep 70 (Ita)
[Acute peripheral arterial thrombosis. Clinico-therapeutic considerations on 30 treated cases] Aliperta G, et al.
Minerva Cardioangiol 19:345-55, Jul 71 (Ita)
[Aneurysms of the deep femoral artery. Presentation of 2 cases] Ambrosini A, et al.
Minerva Chir 26:646-52, 30 Jun 71 (Ita)
[Relation between vascular disorders of the lower extremities and arthrosis of the hip. Experimental study] Bragheri R, et al.
Minerva Ortop 20:476-84, Oct 69 (Ita)
[Our experience in antalgic therapy of peripheral arteriopathies] Tufano R, et al.
Rass Int Clin Ter 51:370-4, 31 Mar 71 (Ita)
[Vascular hemorrhagic factors] Fukutake K, et al.
Naika 26:1037-42, Dec 70 (23 ref.) (Jap)
[Ovarian vein syndrome] Linvåg I, et al.
Tidsskr Nor Laegeforen 91:1541-4, 10 Aug 71 (Nor)
[Multivisceral and multiform manifestations of a malignant-type hypertensive disease] Bukasiewicz B, et al. Patol Pol 22:377-80, Apr-Jun 71 (Pol)
[A controversial radio-clinical syndrome: the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mesenteric pincer] Ionescu PD.
Med Interna (Bucur) 22:1001-9, Aug 70 (Rum)
[Hemolytic and uremic syndrome in children. Renal thrombotic microangiopathy] Burdea M, et al.
Rev Med Chir Soc Med Nat Iasi 75:473-7, Apr-Jun 71 (Rum)
[Role of neurocirculatory dystonia in the pathogenesis of diffuse toxic goiter] Baranov VG, et al.
Probl Endokrinol (Mosk) 16:3-6, May-Jun 70 (Rus)
[Vascular syndromes of the peripheral nervous system (review of the literature)] Toporkov IA.
Zh Nevropatol Psikhiatr 70:1070-7, 1970 (66 ref.) (Rus)
[Pathoplastic factors in vascular diseases of the peripheral nervous system (review of the literature)] Toporkov IA.
Zh Nevropatol Psikhiatr 70:926-31, 1970 (56 ref.) (Rus)
[Cervical myelopathy of vascular genesis--case reports] Kandić B, et al. Med Pregl 22:581-4, 1969 (Ser)
[Necrosing livedo reticularis] Martorell F.
Angiologia 23:149-53, Jul-Aug 71 (Spa)
[Thrombotic, polypous, fibrinuus endocarditis with embolisms in the major circulation and endangiitis obliterans in malignant tumors] Lista GA.
Prensa Med Argent 57:1066-7, 31 Jul 70 (Spa)
[Renal angiomyolipoma associated with fibromuscular dysplasia. An uncommon cause of retroperitoneal hemorrhage] Montero García A, et al.
Rev Clin Esp 117:181-6, 30 Apr 70 (Spa)
[Chronic cor pulmonale of vascular origin] De Velasco Raml JA, et al. Rev Esp Cardiol 23:275-94, Jun 70 (Spa)
[A phlebo-arthrosic complex] Krieg E.
Phlebologie 23:311-8, Oct-Dec 70 (Mul)

CONGENITAL

Developmental vascular abnormalities. Margileth AM.
Pediatr Clin North Am 18:773-800, Aug 71
[Congenital stenosis of the coeliac trunk] Warter J, et al. Arch Fr Mal App Dig 59:765-80, Dec 70 (Fre)
[Changes in the nervous system in congenital defects of the heart and vessels] Kozlova TA.
Grudn Khir 12:51-5, Sep-Oct 70 (Rus)

DIAGNOSIS

The genesis of the cervical venous hum. Cutforth R, et al. Am Heart J 80:488-92, Oct 70
Value of the ultrasonic flow detector in the management of peripheral vascular disease. Lavenson GS Jr, et al. Am J Surg 120:522-6, Oct 70
Multifocal fibrotic diathesis. An often overlooked cause of venae cavae syndrome. Verstraete M, et al. Angiologica 7:233-45, 1970
Diagnosis of arterial insufficiency with measurement of blood pressure in fingers and toes. Gundersen J. Angiology 22:191-6, Apr 71
Atraumatic detection of occlusive vascular disease in carotid and subclavian arteries by opacity pulse propagation techniques. Heck AF, et al. Angiology 22:153-64, Mar 71
Functional segmental plethysmography. Clinical application and results. Sakaguchi S, et al. Angiology 21:714-23, Dec 70
Detection of vascular occlusions during operation by segmental plethysmography and skin thermometry. Griffin LH Jr, et al. Ann Surg 173:389-97, Mar 71
Crest time evaluation of corneal indentation pulse. A new parameter in the study of ocular blood supply. Horven I, et al. Arch Ophthalmol 86:5-11, Jul 71
Evaluation of ultrasound echography in studies of peripheral vessels. Lota MJ, et al.
Arch Phys Med Rehabil 52:1-7, Jan 71
Transcutaneous ultrasonics as an alternative to arteriography. Woodcock JP, et al.
Br J Radiol 44:542, Jul 71
A comparative study of strain-gauge plethysmography and Doppler ultrasound in the assessment of occlusive arterial disease of the lower extremities. Yao ST, et al.
Br J Surg 57:860, Nov 70
Penile blood flow determination by mercury strain gauge plethysmography. Britt DB, et al.
Invest Urol 8:873-8, May 71
Prevention and early detection of peripheral vascular disease. Spittell JA Jr, et al.
J Am Osteopath Assoc 69:1163-5, Jul 70
Laboratory identification of intravascular coagulation. The serial dilution protamine sulfate test for the detection of fibrin monomer and fibrin degradation products. Niewiarowski S, et al.
J Lab Clin Med 77:665-76, Apr 71
Demonstration of collateral pathways after superior vena caval obstruction with the scintillation camera. Krishnamurthy GT, et al. J Nucl Med 12:189-91, Apr 71
Deep-seated mischief. Who can help the clinician? FitzGerald PA. Proc R Soc Med 63:1289-90, Dec 70
Ultrasound used for the registration of arterial pulse curves. Kristensen JK, et al.
Scand J Thorac Cardiovasc Surg 4:257-61, 1970
Investigation and management of peripheral vascular disease. Walker WF.
Scott Med J 16:297-303, Jun 71 (30 ref.)
Thermographic study of heat flow in the detection of incompetent perforating veins. Patil KD, et al.
Surg Gynecol Obstet 132:396-402, Mar 71
Study on peripheral circulation using 131-I-macroaggregated serum albumin. Shida H, et al.
Tohoku J Exp Med 101:311-6, Aug 70
Results of screening patients for peripheral vascular disease by paramedical personnel. Horwitz O, et al.
Trans Am Clin Climatol Assoc 82:218-26, 26 Oct 70
The value of foot-to-throat circulation time in chronic venous insufficiency and lymphedema of the leg. VanHaeften FF. Vasc Surg 2:174-81, Sep 68
[Reliability of physical diagnosis in arterial occlusions of the lower extremities] Linhart J, et al.
Cas Lek Cesk 109:956-60, 1970 (Cze)
[Diagnostic methods and results of treatment in patients with occlusive arterial diseases in the lower extremities] Larsen OA.
Nord Med 84:1506-9, 19 Nov 70 (Dan)
[Chronic anterior and chronic lateral compartment syndrome of the lower leg; a frequently not recognized syndrome?] Reneman RS, et al.
Ned Tijdschr Geneeskd 115:543-51, 27 Mar 71 (Dut)
[Fluoroscopy in arterial exploration of the limbs. Report on 15 years' experience] Pierron J, et al.
Angeiologie 22:283-6, Sep-Oct 70 (Fre)
[Biopsy of the digital pulp in angiology] Merlen JF, et al.
Ann Cardiol Angeiol (Paris) 18:243-8, Jul-Sep 69 (Fre)
[Nail-bed and ocular conjunctiva capillaroscopy in the diagnosis of vascular acrosyndromes] Merlen JF, et al.
Ann Cardiol Angeiol (Paris) 18:161-5, Apr-Jun 69 (Fre)
[Diagnostic value of auscultation of the abdominal vessels. Dupey F.
Arch Fr Mal App Dig 58:233-44, Apr-May 69 (Fre)
[A case of Foster-Kennedy pseudosyndrome of the vascular origin] Bregeat P, et al.
Arch Ophtalmol (Paris) 30:817-9, Nov 70 (Fre)
[Preoperative report on a case of arteriopathy] Stricht J van der, et al. Brux Med 51:31-42, Jan 71 (Fre)
[Capillaroscopic studies in vascular diseases treated with nitrogen protoxide] Zánzov I.
Folia Med (Plovdiv) 11:288-92, 1969 (Fre)
[Morpho-oscillography exploration of arteriopathies of the limbs] Langeron P, et al.
J Sci Med Lille 87:429-36, Jun-Jul 69 (Fre)
[Contribution of capillaroscopy to vascular exploration] Courbier R, et al.
Mars Med 106:663-4, 1969 (Fre)
[Gas plethysmography by venous occlusion in angeiology] Royer RJ, et al.
Presse Med 79:1487-90, 3 Jul 71 (Fre)
[Ultrasonic vascular examination] Van de Berg L.
Rev Med Liege 26:168-74, 1 Mar 71 (Fre)
[Thermographic semeiology in vascular diseases of the upper limbs] Weill F, et al.
Sem Hop Paris 47:1230-8, 20 Apr 71 (Fre)
[Occlusion of the retinal arteries in juveniles] Moeller W. Dtsch Gesundheitsw 25:994-7, 28 May 70 (Ger)
[Phleboliths] Cain H.
Dtsch Med Wochenschr 96:178-9, 22 Jan 71 (Ger)
[The tibialis-anterior syndrome and its misinterpretation as an inflammatory lower leg dermatosis] Meiers HG.
Dtsch Med Wochenschr 96:1357-9 passim, 20 Aug 71 (Ger)
[Instrumental diagnosis of vascular occlusions] Schoop W. Dtsch Med Wochenschr 96:887, 14 May 71 (Ger)
[Ultrasonic diagnosis of orbital vascular processes] Ossoinig K.
Klin Monatsbl Augenheilkd 158:526-33, Apr 71 (Ger)
[Diagnosis of peripheral angiopathy] Schoop W.
Lebensversicherungsmedizin 23:106-8, Sep 71 (Ger)
[Diagnosis of venous diseases] Köhler M.
Med Klin 65:967-71, 15 May 70 (33 ref.) (Ger)
[Diagnosis and therapy of chronic peripheral arterial circulatory disorders] Schimanski K.
Med Welt 31:1379-86, 8 Aug 70 (Ger)
[Steal syndrome] Vollmar J.
Munch Med Wochenschr 113:501-6, 2 Apr 71 (Ger)
[Clinical and neurotic-psychological studies in functional peripheral circulatory disorders] Drunkenmölle C.
Psychother Psychosom 17:343-53, 1969 (Ger)
[Diagnosis of peripheral arterial blood circulation disorders] Mahler F, et al.
Schweiz Med Wochenschr 100:764-7, 2 May 70 (Ger)
[Arterial circulatory disorders of the intestine] Ingelfinger FJ.
Verh Dtsch Ges Inn Med 75:379-85, 1969 (Ger)
[Amplified oscillographic studies on exercise reaction in peripheral arterial vascular disorders] Kaltenbach M, et al.
Verh Dtsch Ges Kreislaufforsch 32:228-33, 1966 (Ger)
[Practice of vascular auscultation] Singer R.
Wien Klin Wochenschr 83:196-9, 19 Mar 71 (Ger)
[The diagnostic predicability of electronic pulse oscillography in peripheral arterial circulation disorders] Schuchardt W, et al.
Z Aerztl Fortbild (Jena) 64:1109-12, 1 Nov 70 (Ger)
[Diagnosis and therapy of acute and chronic arterial leg circulation disorders] Zehender K.
Z Allgemeinmed 47:287-90, 28 Feb 71 (Ger)
[Blood flow measurements for the diagnosis of congenital angiodysplasias] Bollinger A.
Zentralbl Phlebol 9:226-9, Nov 70 (Ger)
[Thermographic method for the localization of insufficient perforator veins] Litmanovitch Y.
Zentralbl Phlebol 10:134-6, 1971 (Ger)
[Rheography in the study of arteriopathies of the lower limbs] Montori A, et al.
Ann Ital Chir 45:171-98, 1969 (Ita)
[Rheography and oscillometry: comparative evaluation, indications and limitations of the two methods] Bartolo M, et al.
Boll Soc Ital Cardiol 14:309-15, 1969 (Ita)
[Arterial and venous functional exploration by means of the Doppler effect] Garbini GC, et al.
Boll Soc Ital Cardiol 15:612-9, 1970 (Ita)
[Possibility of diagnostic error in pain syndromes involving lower limbs] Ambrosini A, et al.
Minerva Med 62:2895-902, 28 Jul 71 (Ita)
[Statistical data and considerations on check-up examinations of a group of aged subjects] Baldoni E, et al. Minerva Med 62:1016-21, 10 Mar 71 (Ita)
[On digital oscillography] Costantini S, et al.
Minerva Med 62:2925-8, Aug 71 (Ita)
[Clinical, oscillographic and plethysmographic comparison before and after medical and surgical treatment of subjects with peripheral obliterating arteriopathy] Tardito E, et al.
Minerva Med 62:1971-80, 16 May 71 (Ita)
[Clinical picture and treatment of chronic venous insufficiency of the lower extremities] Trubachev VI.
Khirurgiia (Mosk) 46:78-83, Dec 70 (Rus)
[Spontaneous rupture of arteries of the crural and femoral muscles] Zaitsev LA.
Khirurgiia (Mosk) 47:118-20, Feb 71 (Rus)
[Functional thermometric tests in varicose veins of the lower extremities] Zubarev VF.
Khirurgiia (Mosk) 47:52-6, Feb 71 (Rus)
[3-stage manometric marching test as a method of differential diagnosis and evaluation of treatment effectiveness in diseases of the veins of the lower extremities] Bernshtein MI.
Klin Khir 8:18-21, Aug 70 (Rus)
[Infrared thermography in the diagnosis of chronic venous insufficiency of the lower extremities] Vykhovskaia AG, et al. Klin Khir 8:13-8, Aug 70 (Rus)
[Diagnosis and treatment of circulatory disorders of the extremities] Zolotoarevskif Vla, et al.
Klin Med (Mosk) 48:39-44, Nov 70 (Rus)
[Tachooscillography in the diagnosis of arterial diseases] Emel'ianov EK.
Vestn Khir 103:82-5, Nov 69 (Rus)
[Study of the superficial veins of the leg using infrared photography] Kallistov BM, et al.
Vestn Khir 105:80-2, Nov 70 (Rus)
[Diagnostic significance of various methods of investigation in vein diseases of the lower extremities] Levashev IuN.
Vestn Khir 103:47-52, Aug 69 (Rus)
[Vascular diseases of the optic nerve] Rokitskaia LV.
Vestn Oftalmol 4:28-32, 1970 (Rus)
[The clinical picture and differential diagnosis of spinal strokes] Subbotin AV, et al.
Zh Nevropatol Psikhiatr 70:824-8, 1970 (Rus)
[Electronic oscillography in the diagnosis of peripheral vascular diseases. I. Fundamentals, material and technic] Martinez-Muñoz A, et al.
Angiologia 22:13-23, Jan-Feb 70 (Spa)
[Electronic oscillography in the diagnosis of peripheral vascular diseases. IV. Topographical localization of the vascular disorder] Martinez-Muñoz A, et al.
Angiologia 22:180-94, Jul-Aug 70 (Spa)
[Ultrasonic Dopler effect as 2 diagnostic method in angiology] Richter H.
Angiologia 22:265-9, Nov-Dec 70 (Spa)
[Arterial injuries] Grinfeld D, et al.
Prensa Med Argent 56:1781-7, 21 Nov 69 (Spa)
[Angiography in leg arterial insufficiency] Kaude J.
Nord Med 85:122-3, 28 Jan 71 (Swe)
[Acute disorders of peripheral blood vessels of the extremities form the view of the general practitioner] Litričin T, et al. Med Glas 23:114-7, May-Aug 69 (Cro)

DRUG THERAPY

Treatment of arterial insufficiency in the lower limbs by Hydergin. A double-blind, cross-over examination studied by plethysmography. Siggaard-Andersen J, et al. Angiology 22:311-9, Jun 71
Hemodynamic effects of vasodilatation in "critical" arterial stenosis. Kreuzer W, et al.
Arch Surg 103:277-82, Aug 71
Preliminary results in the treatment of peripheral arteriopathies with a new pharmacologic substance: I-(2"pyrimidyl)4 piperonyi piperazine (ET 495). Royer RJ. Bibl Cardiol 26:174-9, Mar-Apr 69
Evaluation of a new alpha-blocking vasodilator agent (thymoxamine) in peripheral vascular disease. Kane SP. Br J Surg 57:921-6, Dec 70
Arterial thrombolysis. Chesterman CN, et al.
Lancet 2:284-5, 31 Jul 71
Papaverine for cerebral and other vascular disorders.
Med Lett Drugs Ther 12:26-7, 20 Mar 70
The treatment of chronic venous disorder of the leg. Allen S. Practitioner 205:231-4, Aug 70
Methods for selective removal of intima in diseased arteries. Kabemba JM, et al. Surg Forum 21:182-3, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Treatment of vascular diseases with Mydocalm.
Sztankay C. Ther Hung 18:121-4, 1970
[Arterial insufficiency in the lower extremities treated with drugs] Genster HG, et al.
Ugeskr Laeger 133:244-6, 12 Feb 71 (Dan)
[Drug therapy of arterial insufficiency in the lower extremities] Sevelsted H, et al.
Ugeskr Laeger 133:803-4, 30 Apr 71 (Dan)
[Clinical trial of Ercevit P] Sourreil P, et al.
Bord Med 4:1681-92, May 71 (Fre)
[A new anti-inflammatory agent: niflumic acid] Warembourg H, et al.
Lille Med Suppl 2:241-7, Mar 69 (Fre)
[Effect of a new vascular drug, 4216 S, on circulatory flow in patients with chronic angiopathy of the lower extremities: determination of an index of vascularization of the lower extremities by serum albumin tagged with iodine 131] Dugois P, et al.
Lyon Med 222:43-7, 6 Jul 69 (Fre)
[Study of a new esculetol derivative in obstetrical gynecology] Laforet J, et al.
Lyon Med 225:559-61, 20 Mar 71 (Fre)
[Long-term anticoagulant therapy in arteriopathies of the lower extremities] Pierron J, et al.
Mars Med 107:1013-6, 1970 (Fre)
[Study in phlebology of a new anti-inflammatory cream] Babilliot J.
Phlebologie 24:187-90, Apr-Jun 71 (Fre)
[Streptokinase-streptodornase association, a powerful therapeutic agent affecting the venous factor in obliterating arteritis of the lower limbs] Fux J, et al.
Phlebologie 23:303-5, Jul-Sep 70 (Fre)
[Clinical and pharmacodynamic study of folescutol or LD 2988] Merlen JF, et al.
Phlebologie 24:181-5, Apr-Jun 71 (Fre)
[Action of MD 1035 in peripheral vascular manifestations] Barraine R, et al.
Presse Med 78:2389-90, 12 Dec 70 (Fre)
[Experiences with bencyclane in peripheral disorders of arterial blood supply] Alánt O, et al.
Arzneim Forsch 20:Suppl 10a:1403+, Oct 70 (Ger)
[Clinical evaluation of bencyclane] Erczy L.
Arzneim Forsch 20:Suppl 10a:1414+, Oct 70 (Ger)
[Ophthalmological use of bencyclane and ophthalmodynamometric recording of its effect on cerebral vessels] Födö V.
Arzneim Forsch 20:Suppl 10a:1450+, Oct 70 (Ger)
[Clinical experience with bencyclane in the treatment of vascular obliterations in the limbs] Krakovskij NI, et al.
Arzneim Forsch 20:Suppl 10a:1435+, Oct 70 (Ger)
[Application of bencyclane in arterial insufficiency of the lower limbs] Krylov VS, et al.
Arzneim Forsch 20:Suppl 10a:1433+, Oct 70 (Ger)
[Effect of bencyclane in obliterative arterial diseases] Kusztos D.
Arzneim Forsch 20:Suppl 10a:1419+, Oct 70 (Ger)
[Therapeutic results in disturbed peripheral blood circulation with the vasodilator bencyclane] Leonard W. Arzneim Forsch 20:Suppl 10a:1440+, Oct 70 (Ger)
[The effect of bencyclane on burns and other functional vascular disorders] Novák J, et al.
Arzneim Forsch 20:Suppl 10a:1437+, Oct 70 (Ger)
[Oral administration of bencyclane] Okos G, et al.
Arzneim Forsch 20:Suppl 10a:1421+, Oct 70 (Ger)
[Bencyclane in the therapy of arteriostenoses of the lower limbs] Piri L.
Arzneim Forsch 20:Suppl 10a:1424+, Oct 70 (Ger)
[Bencyclane in the therapy of peripheral vascular diseases] Sztankay C.
Arzneim Forsch 20:Suppl 10a:1426+, Oct 70 (Ger)
[Experiences with bencyclane in the therapy of peripheral blood circulation disorders] Thümen WD von. Arzneim Forsch 20:Suppl 10a:1428+, Oct 70 (Ger)
[The effect of bencyclane on peripheral vascular diseases] Tóth E.
Arzneim Forsch 20:Suppl 10a:1430+, Oct 70 (Ger)
[The position of low molecular weight plasma expanders in the treatment of obliterative angio-organopathies: influence of Infukoll-M 40 on the circulation of the extremities and hemodynamics of the kidney] Hackel F.
Dtsch Gesundheitsw 26:771-3, 22 Apr 71 (Ger)
[Importance of dipyridamole (Curantyl) in the pharmacotherapy of peripheral arterial blood circulation disorders] Hackel F.
Dtsch Gesundheitsw 26:1198-203, 24 Jun 71 (Ger)
[Anticoagulant therapy and prophylaxis in arterial vascular diseases] Heine H, et al.
Dtsch Gesundheitsw 26:861-8, 6 May 71 (Ger)
[Effect of an intra-arterially infused vasodilator (ATP) on the calf blood supply in dependence on dosage and severity of the blood circulation disorder] Grüntzig A, et al.
Dtsch Med Wochenschr 96:1383-6, 27 Aug 71 (Ger)
[Use of a xanthine derivative in peripheral arterial blood flow disorders] Weger WP de.
Med Monatsschr 24:221-5, May 70 (Ger)
[Oscillographic results of the treatment of peripheral circulatory disorders with Theo-Esberiven] Akdeniz H. Med Welt 34:1469-72, 22 Aug 70 (Ger)
[Peripheral circulation effect of Cinnarizin in functional blood circulation disorders] Alexander K.
Med Welt 49:2132-4, 5 Dec 70 (Ger)
[Clinical and practical experiences with Progresin, a magnesium containing vasoactive drug, in cerebral and peripheral blood circulation disorders] Bode H, et al. Med Welt 22:1044-51, 19 Jun 71 (Ger)
[Relationship between blood flow values of the upper and the lower extremities and effects of a vasoactive agent in persons with normal circulation and patients with vascular diseases] Caesar K.
Med Welt 14:559-62, 3 Apr 71 (Ger)
[Reaction of the blood circulation in the extremities with intravenous Raubasin infusions] Schütz RM, et al. Med Welt 14:554-9, 3 Apr 71 (Ger)
[Collateral dilatation therapy in coronary and peripheral arterial occlusive diseases. Experimental and clinical experiences with 1-benzyl-3-ethyl-6,7-dimethoxyisoquinoline hydrochloride (BEN)] Nordeck H, et al.
Munch Med Wochenschr 113:1006-11, 2 Jul 71 (Ger)
[Internal treatment of chronic venous insufficiency. Clinico-pharmacological studies] Tronnier H.
Munch Med Wochenschr 110:2303-7, 4 Oct 68 (Ger)
[Use of reparil gel in traumatology and phlebology] Clemens G, et al. Praxis 59:1753-5, 15 Dec 70 (Ger)
[Intra-arterial treatment of peripheral circulatory disorders with trophic lesions] Hürlimann F.
Praxis 59:1435-43, 13 Oct 70 (Ger)
[Effect of intravenously injected Raubasin on foot blood supply in patients with arterial blood circulation disorders of the lower limbs] Mahler F, et al. Praxis 59:97-102, 20 Jan 70 (Ger)
[Experiences with Reparil-Gel in practice with special reference to cases of phlebology cases] Wipf H, et al.
Praxis 59:1553-6, 3 Nov 70 (Ger)
[Therapy of varicose symptom complex with Rexiluven] Gehrels PE.
Ther Ggw 109:1163-6 passim, Aug 70 (Ger)
[Therapy of retinal circulatory disorders] Neuhann W.
Ther Ggw 109:1465-6 passim, Oct 70 (Ger)
[Medical bath in the treatment of chronic venous insufficiency] Holzegel K.
Z Aerztl Fortbild (Jena) 65:35-6, 1 Jan 71 (Ger)
[Veno-Tebonin--a new drug substance trias in venous diseases] Heynen U.
Z Allgemeinmed 46:1474-5, 20 Oct 70 (Ger)
[Intracutaneous hormone therapy activates local blood flow] Heynen U.
Z Allgemeinmed 46:1043-4, 20 Jul 70 (Ger)
[The therapeutic effects and tolerance of glyvenol in dragees] Steinacher J.
Z Haut Geschlechtskr 45:647-50, 1 Oct 70 (Ger)
[Blood flow measurements before and after streptokinase therapy of chronic arterial thrombosis and stenosis] Schmidtke I, et al.
Z Kreislaufforsch 59:873-84, Aug 70 (Ger)
[Effect of an arterial wall extract in various retinal vascular diseases] Bracciolini MR, et al.
Ann Ottalmol Clin Ocul 94:705-13, Jun 68 (Ita)
[On the use of injectable crataegus extracts in therapy of disorders of peripheral arterial circulation in subjects with obliterating arteriopathy of the lower extremities] Di Renzi L, et al.
Boll Soc Ital Cardiol 14:577-85, 1969 (Ita)
[Value of drugs acting on the smooth musculature by direct and indirect routes in therapy of vascular diseases] Labò G, et al.
Cardiol Prat 22:1-9, Feb 71 (Ita)
[Clinical study of moxisylyte citrate] Thénot A.
Clin Ter 55:305-12, 30 Nov 70 (Ita)
[Treatment of pain in arterial diseases with Lac 43] Tufano R. Minerva Anestesiol 36:783-3, Dec 70 (Ita)
[Correlations between reactive hyperemia and response to vasodilator agents in patients with obliterating arteriopathies of the lower limbs] Dabizzi RP, et al. Minerva Cardioangiol 18:287-90, May 70 (Ita)
[On prolonged treatment of phlebopathic patients with a combination of vasoactive and vasoprotective drugs. Rheographic study] Rizzi B, et al.
Minerva Cardioangiol 19:73-85, Feb 71 (Ita)
[Harmful effects of vasodilator therapy] Bartolo M, et al. Minerva Med 62:724-9, 24 Feb 71 (Ita)
[Evaluation of the cardiovascular dynamic changes induced by chorionic gonadotropin in vascular diseases] Melloni G, et al.
Minerva Med 62:1297-318, 28 Mar 71 (Ita)
[On the comparative results of the use of Clarisco in peripheral vascular diseases] Vittori C, et al.
Minerva Med Suppl 97:5585+, 5 Dec 70 (Ita)
[Treatment of acute arterial and venous obstructions] Nicolosi G.
Recent Progr Med (Roma) 48:503-28, Jun 70 (Ita)
[Treatment with Sandoven of certain skin diseases connected with the blood vessel system] Wanic A.
Pol Tyg Lek 26:23-6, 4 Jan 71 (Pol)
[Effect of cardilan on blood flow disorders in the extremities] Zapalski S, et al.
Pol Tyg Lek 25:1218-20, 10 Aug 70 (Pol)
[Cardilan in the treatment of obliterative diseases of peripheral arteries] Ginko T, et al.
Wiad Lek 24:1211-5, 15 Jun 71 (Pol)
[Clinical evaluation of Provasan] Wodniecki J, et al.
Wiad Lek 23:1791-3, 15 Oct 70 (Pol)
[Results of treating obliterative diseases of the peripheral arteries with intra-arterial administrations of acetylcholine] Stepanova-Nikitina GG, et al.
Sov Med 33:45-9, 1970 (Rus)
[Changes in blood serum protein fractions in obliterating vascular diseases of the extremities following nivaline-electrophoresis therapy] Todorov N.
Vopr Kurortol Fizioter Lech Fiz Kult 35:512-6, Nov-Dec 70 (Rus)
[38 years of carbogen therapy in periferal vascular diseases] (Castex MR), Di Clo AV.
Prensa Med Argent 57:1049-51, 31 Jul 70 (Spa)
[Naphthydrofuryl in vascular pathology] Mendoza Peña I, et al.
Prensa Med Argent 57:1782-7, 20 Nov 70 (Spa)
[Vitamin E in peripheral blood vessel insufficiency] Haeger K.
Tidsskr Nor Laegeforen 90:2112-4, 15 Nov 70 (Swe)

ENZYMOLOGY

[Enzyme changes in muscles in peripheral arterial insufficiency] Holm J, et al.
Nord Med 84:1349, 15 Oct 70 (Swe)

ETIOLOGY

Posttraumatic intracranial arterial spasm. Report of three cases. Arseni C, et al.
Acta Neurochir (Wien) 24:25-35, 1971
Arterial stenoses in neuroblastoma. McDonald P, et al.
Am J Roentgenol Radium Ther Nucl Med 112:167-9, May 71
Vasospasm with an indwelling radial artery cannula. Dalton B, et al. Anesthesiology 34:194-7, Feb 71
Failure of etiological differentiation of human diseases associated with fibrinoid necrosis. Jellinek H.
Angiology 21:691-9, Dec 70
The role of the elastic membrane in the development of the two forms of vascular fibrinoid. The subendothelial and media fibrinoid. Jellinek H.
Angiology 21:636-46, Nov 70
Vascular injury due to cold. Affects of rapid rewarming. Carpenter HM, et al.
Arch Pathol 92:153-61, Sep 71
Measurement, and visualisation with cholesteric liquid crystals, of the alterations of the peripheral blood circulation after smoking. Baptista AM, et al.
Arq Patol 41:263-9, Aug 69
Fibromuscular arterial disease. Experimental studies. Rothfield NJ. Australas Radiol 14:294-7, Aug 70
Varicose veins and venous disorders of the lower limb. I. Anatomy, physiology and physiopathology. Dodd H.
Br J Clin Pract 25:19-22, Jan 71
Disappearance of immunoglobulin and complement from the Arthus reaction and its relevance to studies of vasculitis in man. Cream JJ, et al.
Br J Dermatol 84:106-9, Feb 71
Studies on the pathogenesis of hypertensive vascular disease. Effect of high-pressure intra-arterial injections in rats. Hill GS. Circ Res 27:657-68, Nov 70
Peripheral gangrene as a complication of rheumatoid arthritis. Report of a case and review of the literature. Cummings JK, et al.
J Bone Joint Surg [Am] 53:1001-6, Jul 71
Vascular insufficiency and differential distortion of brain and cord caused by cervicomedullary football injuries. Schneider RC, et al.
J Neurosurg 33:363-75, Oct 70
Peripheral vascular symptoms as the initial manifestation of polycythemia vera. Edwards EA, et al. JAMA 214:1463-7, 23 Nov 70
Hammering with the hands. Lancet 1:536, 13 Mar 71
Sympathogenic vascular disease. Sout C.
N Engl J Med 283:1227-8, 26 Nov 70
Arteriovenous fistula. Report of a case with secondary arterial block. Bungard RJ.
Northwest Med 70:478-9, Jul 71
Studies on the effect of vibration on the peripheral blood vessels. Kofmińska A, et al.
Pol Med J 9:1236-45, 1970
Surgical problems of kidney transplantation. Nielubowicz J, et al. Pol Med J 10:348-62, 1971
Peripheral vascular disease as a manifestation of systemic disease. Havard CW.
Practitioner 206:376-82, Mar 71
Occlusion of popliteal artery due to muscular entrapment. Delaney TA, et al.
Surgery 69:97-101, Jan 71
Old experiment may answer new questions. Menendez CV. Vasc Surg 2:123-5, Sep 68
[Segmental occlusion of the leg-arteries of undertermined etiology in a young man] Klein P, et al.
Cas Lek Cesk 110:754-6, 1971 (Cze)
[Obstructed arteries] Wieberdink J.
Ned Tijdschr Geneeskd 115:313-4, 20 Feb 71 (Dut)
[Functional capacity of spontaneous portacaval shunts: comparison with surgical shunts] Pietri H.
Acta Gastroenterol Belg 34:206-15, Feb 71 (Fre)
[Circulatory diversion syndrome of the upper limb. Etio-pathogenic role of repeated micro-trauma] Langeron P, et al.
Ann Cardiol Angeiol (Paris) 18:235-7, Jul-Sep 69 (Fre)
[Idiopathic chronic fibrous mediastinitis (pathogenic study and present state of treatment). Apropos of a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

case] Kohler JJ, et al.
Ann Chir Thorac Cardiovasc 10:185-90, 1971 (Fre)
[Celiac trunk stenosis of diaphragmatic origin in 2 cases of myotonia atrophica] Warter J, et al.
Ann Med Interne (Paris) 122:275-80, Feb 71 (Fre)
[Pseudoxanthoma elasticum with vascular manifestations] Gauthier O, et al.
Bord Med 4:787-90, Mar 71 (Fre)
[Vascular changes associated with dermatoses and their treatment] Temime P.
Coeur Med Interne 8:353-61, Jul 69 (Fre)
[Diagnosis, treatment and prognosis of peripheral vascular lesions in closed injuries] Tschantz P, et al.
Helv Chir Acta 38:111-27, Apr 71 (Fre)
[Microangiographic study of vascular radiolesions of mouse skin] Minet P.
J Belge Radiol 53:379-85, Sep-Oct 70 (Fre)
[Obliteration syndrome of the celiac stem by arched ligament] Broussin J, et al.
J Radiol Electrol Med Nucl 51:826-8, Dec 70 (Fre)
[Intravenous angiocardiopneumography (I.V.A.) and superior vena cava syndrome (14 recent cases)] Chevrot L, et al.
J Radiol Electrol Med Nucl 50:348-51, May 69 (Fre)
[Reflex algodystrophy and distal circulatory problems after tendinous section. 2 cases] Langeron P, et al.
J Sci Med Lille 87:449-54, Jun-Jul 69 (Fre)
[Cavernous transformation of the portal vein] Fortin R.
Laval Med 42:511-4, May 71 (Fre)
[Vertebro-vasilar insufficiency and injury] Boudouresques J, et al. Mars Med 108:235-9, 1971 (Fre)
[Trophic disorders in lower limbs following burns] Baux S, et al. Phlebologie 24:55-63, Jan-Mar 71 (Fre)
[Arterial complications in osteo-articular surgery of the lower limb] Elbaz C.
Phlebologie 24:69-78, Jan-Mar 71 (Fre)
[Arterial and venous sequelae of injuries of lower limbs] Giabbani V, et al.
Phlebologie 24:79-101, Jan-Mar 71 (Fre)
[The reparation for bodily damage in vascular sequelae of lower limb injuries] Médioni H, et al.
Phlebologie 24:29-38, Jan-Mar 71 (Fre)
[Bone and artery. A sometimes dangerous proximity] Pillot P, et al. Phlebologie 24:103-6, Jan-Mar 71 (Fre)
[Arterial lesions and contractures in delays of consolidation, pseudarthrosis and post-traumatic osteoporosis] Reboul H, et al.
Phlebologie 24:65-7, Jan-Mar 71 (Fre)
[Attempted classification of post-traumatic legs according to the arterial, venous or lymphatic circulatory injury] Van Der Stricht JP, et al.
Phlebologie 24:45-50, Jan-Mar 71 (Fre)
[Venous disorders and gynecology] Canel Y.
Presse Therm Climat 106:195-200, 1969 (Fre)
[Celiac trunk compression due to the diaphragmatic ligamenta arcuatum] Hivet M, et al.
Rev Med Chir Mal Foie 45:129-34, 1970 (Fre)
[Common hepatic artery stenosis due to muscular hyperplasia] Lambert-Lecler G, et al.
Rev Med Chir Mal Foie 45:143-7, 1970 (Fre)
[Acute ischemia of lower extremities due to femoral artery aneurysm] Hartung H, et al.
Bruns Beitr Klin Chir 218:346-8, Nov 70 (Ger)
[Digitopalmar steal syndrome with peripheral arteriovenous fistula] De Pena Pérez R, et al.
Med Welt 15:601-3, 10 Apr 71 (Ger)
[Experience with the physical therapy of post-traumatic circulatory disorders of the limbs using the vasculator] Simon L.
Monatsschr Unfallheilkd 72:445-53, Oct 69 (Ger)
[Blood vessel involvement in chronic primary polyarthritis] Müller K.
Schweiz Med Wochenschr 101:258-61, 27 Feb 71 (Ger)
[Extravalvular pulmonary stenosis in mediastinal tumors] Slany J, et al.
Thoraxchirurgie 19:141-5, Apr 71 (Ger)
[Vascular changes in sclerosis and hypertension in the fundus oculi] Fanta H.
Wien Med Wochenschr 120:948-52, 15 Dec 70 (Ger)
Renal artery rupture in Ehlers-Danlos syndrome] Heilmann K, et al.
Z Kreislaufforsch 60:519-33, Jun 71 (Ger)
[Transomatic vertebral angiography of the inferior vena cava] Franceschini R, et al.
Ann Ital Chir 45:905-14, Nov 70 (Ita)
[Changes in peripheral hemodynamics in Dupuytren's disease] Mammucari R, et al.
Ann Ital Chir 45:886-905, Nov 70 (Ita)
[Angiopathy and hemorrhagic diathesis in chronic alcoholism. Etiopathogenetic and therapeutic considerations] Madeddu A, et al.
Arch Sci Med (Torino) 126:490-9, Aug 69 (Ita)
[Regional hemodynamic changes due to section and degenerative lesions of the peripheral nerves. Experimental study with the electromagnetic flowmeter] Berti-Riboli E, et al.
Chir Patol Sper 17:169-82, Aug 69 (Ita)
[Reports on cases of non insured vibratory angiopathies] Govoni M, et al.
Folia Med (Napoli) 52:824-36, Dec 69 (Ita)
[Vascular diseases caused by vibration: medico-legal considerations on a case of ulnar arteriopathy] Rondelli A. Folia Med (Napoli) 52:890-907, Dec 69 (Ita)
[Impedance plethysmographic changes in frogmen immersed at various depths] Fabris UF, et al.
G Ig Med Prev 11:93-103, Jan-Jun 70 (Ita)
[Surgical complications of human renal homotransplant and their treatment] Martelli A, et al.
Minerva Nefrol 16:377-81, Nov-Dec 69 (Ita)
[On the role of dietary sucrose in the development of vascular disorders] Takekoshi T.
Jap Circ J 34:959-69, Oct 70 (Jap)
[Fracture of the clavicle complicated by occlusion of the subclavian artery] Dziak A, et al.
Chir Narzadow Ruchu Ortop Pol 35:735-8, 1970 (Pol)
[Neurovascular diseases of the extremities caused by cold and moisture in workers of several northern regions] Tiukina AP, et al.
Klin Med (Mosk) 48:128-31, Sep 70 (Rus)
[Surgery in occlusion of the celiac artery and its main branches caused by pancreatitis] Shamanov AKh.
Vestn Khir 103:56-7, Aug 69 (Rus)
[Pathogenetic connections between several forms of circulatory disorders of the extremities and spinal osteochondrosis] Margolin GA.
Vopr Neirokhir 35:41-5, Mar-Apr 71 (Rus)
[Characteristics of the clinical course of neurocirculatory dystonia in chronic alcoholic intoxication] Akupnik AM.
Vrach Delo 3:45-6, Mar 71 (Rus)
[Some aspects of nephroangionecrosis observed in our personal clinical material] Hrisoho D, et al.
God Zb Med Fak Skopje 16:205-9, 1970 (Ser)
[1st degree frostbite with remaining vasoconstriction symptoms] Adams Ray J.
Nord Med 84:1339, 15 Oct 70 (Swe)
[Pathogenesis of vascular diseases in infectious hepatitis in children] Mikhailova AM.
Pediatr Akush Ginekol 6:20-1, 1970 (Ukr)

FAMILIAL & GENETIC

[Familial spontaneous spleno-renal anastomosis] Escat J, et al. Arch Fr Mal App Dig 59:597-600, Sep 70 (Fre)
[Acroerythrocyanosis] De Renzi S, et al.
Clin Ter 53:379-89, 15 Jun 70 (42 ref.) (Ita)

IMMUNOLOGY

Immunofluorescent studies of the skin in cryoglobulinaemic vasculitis. Cream JJ.
Br J Dermatol 84:48-53, Jan 71
[Pathogenetic considerations on an unusual case of allergic cutaneous vasculitis] Bonelli U.
Arch Ital Dermatol Venereol Sessuol 36:313-24, 1971 (Ita)
[Streptococcal allergic vasculitis of the skin] Uzunian LKh, et al. Klin Med (Mosk) 49:75-80, Mar 71 (Rus)
[Autoimmunity and vascular changes] Lambić IS.
Med Glas 24:12-8, Jan 70 (Cro)

METABOLISM

[The life of the arteries] Arvy L.
Biol Med (Paris) 58:285-377, Jul-Aug 69 (484 ref.) (Fre)
[Uricemia in chronic arteriopathy of the extremities. 3. Statistical data on a continuous series of 200 personal cases. 4. Research perspectives] Bourde C.
Rev Atheroscler (Paris) 11:4-24, 1969 (Fre)

MORTALITY

[Mortality in patients with ischemic diseases of legs] Nahodilová A. Rozhl Chir 50:89-93, Feb 71 (Cze)

OCCURRENCE

Opportunities for studies of cardio-respiratory diseases in migrants. Kagan A.
J Chronic Dis 23:335-44, Nov 70
Peripheral arterial disease in Ceylon. Kradjian R, et al.
Surgery 69:523-5, Apr 71
[Venous diseases in the aged from the internist's viewpoint] Hild R.
Dtsch Med J 21:1267-70 passim, Oct 70 (Ger)
[Epidemiology of arterian occlusion in the extremities. Practical conclusions] Widmer LK, et al.
Schweiz Med Wochenschr 100:761-3, 2 May 70 (Ger)
[Occurrence of clinically demonstrable lumen contractions in peripheral arteries in male patients of an internal clinic] Schoop W, et al.
Verh Dtsch Ges Kreislaufforsch 32:233-7, 1966 (Ger)

PATHOLOGY

Diffuse angioendotheliosis. A fatal case in infancy, with clinical and autopsy studies. Meadows MP Jr, et al.
Arch Pathol 90:572-6, Dec 70
A contribution to the problem of vascular changes in the rejected allotransplanted organs. Rossmann P, et al. Cor Vasa 12:303-6, 1970
Hypertensive-like vascular lesions in a chimpanzee. Stout C, et al. Exp Mol Pathol 14:151-7, Apr 71
Human renal allografts. The role of vascular injury in early graft failure. Busch GJ, et al.
Medicine (Baltimore) 50:29-53, Jan 71 (81 ref.)
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39-1971.
N Engl J Med 285:793-8, 30 Sep 71
Chronic arthritis, vasculitis and cutaneous histoplasmosis. Postgrad Med 49:226-30, Feb 71
[Experimental research on the effect of venous stasis on the bone, the cartilage and the intervertebral disk] Kěry L, et al. Rev Chir Orthop 57:99-108, Mar 71 (Fre)
[Necrosing angeitis] Voog R, et al.
Sem Hop Paris 46:3451-66, 20 Dec 70 (Fre)
[Pathological anatomical observations in cystic adventitial degeneration of blood vessels] Rüppell V, et al. Beitr Pathol 144:101-12, Aug 71 (Ger)
[Microradiography and histology studies on the morphology of venous calcification] Stelzig HH, et al.
Fortschr Geb Roentgenstr Nuklearmed 112:324-31, Mar 70 (Ger)
[Histological picture report no 241. Vascular diseases of the vulva--nevus teleangiectic. Angiokeratoma neviforme. Varices] Grimmer H.
Z Haut Geschlechtskr 45:131-6, 1 Oct 70 (Ger)
[Pathological relations of superficial allergic vasculitides II] Szabó E, et al.
Z Haut Geschlechtskr 45:709-15, 15 Oct 70 (Ger)
[Pathological anatomy of the celiac trunk, superior mesenteric artery and inferior mesenteric artery] Tardito E, et al.
Minerva Cardioangiol 18:329-45, Jun 70 (Ita)
[Histopathological findings in 60 cases of disobliteration of arterial obstructions] Stancanelli V, et al. Minerva Med 61:4339-60, 3 Oct 70 (Ita)

PHYSIOPATHOLOGY

Follow-up study of patients with occlusive arterial disease. Pulse curve morphology and xenon-133 clearance. Mathiesen FR, et al.
Acta Chir Scand 136:591-8, 1970
Physical factors in arterial sclerosis and stenosis. Rodbard S. Angiology 22:267-84, May 71
Local fibrinolytic activity in patients with cutaneous vasculitis. Cunliffe WJ, et al.
Br J Dermatol 84:420-3, May 71
Haemodynamic studies in peripheral arterial disease. Yao ST. Br J Surg 57:761-6, Oct 70
Peripheral resistance in the leg in arterial occlusive disease. An investigation on the popliteal artery made during direct arterial surgery. Bliss BP.
Cardiovasc Res 5:237-42, Jul 71
A unifying concept of aging, senescence (cancer, blood vessel disease, diabetes mellitus and altered cell-immunocyte interaction) and death in man. Kothari ML, et al. J Postgrad Med 16:168-89, Oct 70
Utilization of in vivo liver perfusion to prevent pulmonay damage following regional ischemia. Nunes G, et al. J Surg Res 11:124-9, Mar 71
The effect of exercise on resistance to blood flow in limbs with an occluded superficial femoral artery. Sumner DS, et al. Vasc Surg 4:229-37, Dec 70
[Angiographic studies on the problem of interrelation between extremity and coronary arterial changes] Blümchen G, et al.
Verh Dtsch Ges Inn Med 75:429-31, 1969 (Ger)
[Clinical and experimental study on the effect of magnesium compositum on the blood circulation of extremities and kidney hemodynamics in health subjects and patients with vascular diseases] Hackel F. Z Gesamte Inn Med 25:635-41, 15 Jul 70 (Ger)
[Behavior of the blood volume of the lower extremities in chronic venous insufficiency] Lofferer O, et al.
Zentralbl Phlebol 9:244-57, Nov 70 (Ger)
[Infinite time constant peripheral and hepaco-splenic rheography. I. Rheography of the peripheral circulation (quantitative measurement of flow)] Garbini GC, et al.
Arch Patol Clin Med 45:367-86, Apr 69 (Ita)
[Production of lactic acid and acid-base equilibrium in the triangular effort test 10 watts-minute in obliterating arteriopathy of the lower extremities] Cherchi A, et al.
Boll Soc Ital Cardiol 14:386-99, 1969 (Ita)
[On the behavior of lipidemia, blood viscosity and arterial flow of the limbs after oral lipid loading. Observations in subjects with peripheral obliterating arteriopathies] Bartoli V, et al.
Mal Cardiovasc 10:651-62, 1969 (Ita)
[Hormones and vascular pathology. (Physiopathological aspects] Milcu S, et al.
Fiziol Norm Patol 16:385-402, Sep-Oct 70 (Rum)
[Changes in intraosseous blood pressure in the pelvic bones in the presence of acute occlusion of the pelvic arteries] Perfil'eva IF.
Khirurgiia (Mosk) 47:16-8, Feb 71 (Rus)
[Functional neuro-vascular disorders in patients with nodular and hemorrhagic vasculitis of the skin] Bazyka AP, et al.
Vestn Dermatol Venerol 44:12-7, Nov 70 (Rus)
[Crural blood flow volume in arterial occlusion of the lower extremities] Silin'sh IA, et al.
Vestn Khir 105:71-3, Sep 70 (Rus)
[Arterial insufficiency: physiological views] Westling H. Lakartidningen 68:2506-7, 19 May 71 (Swe)
[Latent vessel blow noise] Hamrin B, et al.
Nord Med 84:1501-2, 19 Nov 70 (Swe)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PREVENTION & CONTROL

Intraarterial injection of procaine. Ng AC, et al. Am J Roentgenol Radium Ther Nucl Med 111:791-3, Apr 71

RADIOGRAPHY

Human retinal vascular obstructions. A quantitative correlation of angiographic and electroretinographic findings. Nilsson SE. Acta Ophthalmol (Kbh) 49:111-33, 1971

Phlebographic changes in arteriomegaly. Thomas ML, et al. Acta Radiol [Diagn] (Stockh) 10:427-32, Sep 70

Roentgenographic measurement of arterial narrowing. Berne FA, et al. Am J Roentgenol Radium Ther Nucl Med 110:757-9, Dec 70

Transpopliteal venography: an altrrnate method for examination of the iliofemoral veins and inferior vena cava. Schnier BR, et al. Am J Roentgenol Radium Ther Nucl Med 110:768-71, Dec 70

Vascular disease as a basis for orthopedic complaints. Lewis MR. Am Surg 37:301-5, May 71

Angiography in peripheral ischaemia due to ergotism. Report of two cases. Sutton D, et al. Br J Radiol 43:776-80, Nov 70

Severe stenosis of the celiac artery. Analysis of patients with and without symptoms. Cornell SH. Radiology 99:311-6, May 71

Angiography of obstructive vascular disease of the spinal cord. Di Chiro G. Radiology 100:607-14, Sep 71

Accentuation of celiac compression by the median arcuate ligament of the diaphragm during deep expiration. Reuter SR. Radiology 96:561-4, Mar 71

Phlebography as a clinical tool. Lewis MR, et al. Surg Gynecol Obstet 133:301-3, Aug 71

[Isotope arteriography in occlusive arterial diseases of the leg] Vftek J, et al. Cas Lek Cesk 110:328-32, Apr 71 (Cze)

[Medullary circulatory insufficiency revealed by arteriography of the spinal cord] Houdart R, et al. Ann Med Interne (Paris) 121:971-4, Nov 70 (Fre)

[New indications of fluoresceinic angiography of the anterior segment of the eye. 3. Alterations of conjunctival vessels] Amairic P, et al. Ann Ocul (Paris) 204:595-609 contd, Jun 71 (Fre)

[Arteriographic demonstration of anastomoses between the bronchial artery system and that of the pulmonary artery] Polák J, et al. Bronches 19:473-84, Nov-Dec 69 (Fre)

[Details of interpretation of vascular aspects in lymphography] Bujar H, et al. J Radiol Electrol Med Nucl 51:247-54, May 70 (Fre)

[Brachial retrograde arteriography in vascular cervico-thoracic pathology] Geindre M, et al. J Radiol Electrol Med Nucl 51:84-8, Jan-Feb 70 (Fre)

[Radiologic views of stenosis of the celiac stem] Warter J, et al. J Radiol Electrol Med Nucl 51:721-30, Dec 70 (Fre)

[Venous pathology in gonarthrosis] Phillips RS. Phlebologie 24:137-41, Apr-Jun 71 (Fre)

[Arterial contrast media radiography of pathological processes in the upper extremity] Gremmel H, et al. Fortschr Geb Roentgenstr Nuklearmed 112:709-30, Jun 70 (Ger)

[Microradiography and histology studies on the morphology of venous calcification] Stelzig HH, et al. Fortschr Geb Roentgenstr Nuklearmed 112:324-31, Mar 70 (Ger)

[Radiographic diagnosis of arterial peripheral blood circulation disorders] Wellauer J. Praxis 60:1065-70, 10 Aug 71 (Ger)

[Angiographic diagnosis of peripheral blood circulation disorders] Wellauer J. Schweiz Med Wochenschr 100:767-70, 1 May 70 (Ger)

[Cystic degeneration of the adventitia] Ehringer H, et al. Wien Med Wochenschr 120:49-51, 24 Jan 70 (Ger)

[Roentgen diagnosis of blood flow disorders] Pirker E. Wien Med Wochenschr 120:941-3, 15 Dec 70 (Ger)

[Superficial fluorescence angiography of the ocular bulb] Brancato R, et al. Ann Ottalmol Clin Ocul 95:433-9, May 69 (Ita)

[Angiography in controlled hypotention] D'Addato M, et al. Minerva Anestesiol 36:268-76, Apr 70 (Ita)

[Clinical considerations on damage of the cardiocirculatory system caused by transiumbar aortography. (Observations on 1141 patients with peripheral arteriosclerotic arteriopathy)] Meciani L, et al. Minerva Cardioangiol 19:1-39, Jan 71 (Ita)

[Splenoportography in the study of changes in the splenomeseraicoportal trunk] Trenti A. Minerva Chir 26:768-70, 31 Jul 71 (Ita)

[Peripheral arterial embolism after diagnostic catheterization] Alagni G, et al. Minerva Med 62:720-3, 24 Feb 71 (Ita)

[Simple premedication with diazepam in vascular radiology] Damascelli B, et al. Radiol Med (Torino) 56:899-912, Oct 70 (Ita)

[Arteriographic study of collateral circulation in obliterations of the iliac and femoral vessels. II. The femoral vessels] Pavlica P, et al. Radiol Med (Torino) 55:305-15, Apr 69 (Ita)

[Vascular abnormalities presenting images easily mistaken for other diseases in simple thoracic radiograms] Shigeta A. Rinsho Hoshasen 16:83-98, Feb 71 (Jap)

[The role of venography in recognizing and localizing the insufficient perforating veins of the crus] Sloniewicz W, et al. Pol Przegl Chir 43:417-20, Mar 71 (Pol)

[Seldinger's method of aortography and its value in surgical practice] Ovnatanian KT, et al. Klin Khir 4:6-11, 1971 (Rus)

[Radioanatomy and evaluation of a series of functional changes in veins of the lower extremities] Dumpe EP, et al. Vestn Khir 105:60-5, Dec 70 (Rus)

[Arterial insufficiency: angiography] Kaude J. Lakartidningen 68:2508-12, 19 May 71 (Swe)

RADIOTHERAPY

[X-ray inflammation irradiation in the therapy of venopathies and its complications] Nikolowski W. Z Haut Geschlechtskr 45:403-6, 15 May 70 (Ger)

REHABILITATION

[Rehabilitation and appraisal of patients with organic arterial blood circulation disorders] Heine H, et al. Dtsch Gesundheitsw 25:542-6, 25 Mar 70 (Ger)

[Postsurgical rehabilitation of patients with obliterative diseases of the peripheral vessels] Zakharova GN, et al. Sov Med 33:116-20, 1970 (Rus)

SURGERY

Aortic declamping shock. Thomas TV. Am Heart J 81:845-7, Jun 71

Entrapment of the popliteal artery and its management. Husni EA, et al. Angiology 22:380-6, Jul 71

Vascular reconstruction in far-advanced and poor risk situations. Jackson DR. Angiology 22:121-33, Mar 71

Femoral-popliteal occlusive disease. Saphenous vein bypass grafts below the knee: analysis of 85 consecutive cases. Shore E, et al. Arch Surg 102:548-51, Jun 71

Surgery of vascular lesions of the spinal cord with the microsurgical technique. Yaşargil MG. Clin Neurosurg 17:257-65, 1969

Vascular surgery in elderly patients. Weisz GM, et al. Geriatrics 25:166-76, Oct 70

Rheographic investigations before and after cardiac and vascular operations. Bross W, et al. J Cardiovasc Surg (Torino) 12:40-4, Jan-Feb 71

Neuropathologic complications of cardiac surgery. Aguilar MJ, et al. J Thorac Cardiovasc Surg 61:676-85, May 71

Surgical treatment of extracranial arterial occlusion. Perdue GD. JAMA 217:477, 26 Jul 71

Omental transfer for revascularization of the extremities. Casten DF, et al. Surg Gynecol Obstet 132:301-4, Feb 71

Surgical techniques using the bovine arterial graft. Keshishian JM, et al. Surg Gynecol Obstet 133:268-72, Aug 71

The late results of axilliofemoral grafts. Mannick JA, et al. Surgery 68:1038-43, Dec 70

Indications for surgical treatment of occlusive arterial disease of the legs. Tyson RR. Surgery 69:480-1, Mar 71

Cross-over saphenous vein graft combined with a temporary femoral arteriovenous fistula. A case report. Dumanian AV, et al. Vasc Surg 2:116-22, Jun 68

Geriatric femoropopliteal arterial reconstruction employing local anesthesia. Jackson DR. Vasc Surg 2:104-8, Jun 68

[Indication for arteriectomy and periarterial sympathectomy in diseases of the arteries of the leg] Fedinec AV, et al. Bratisl Lek Listy 55:641-4, Jun 71 (Cze)

[Surgically treated lesions of the visceral arteries in chronic pancreatitis] Stoppa R, et al. Acta Gastroenterol Belg 34:150-8, Jan 71 (Fre)

[Anatomo-physiologic basis of sympathetic operations for vascular syndromes of the upper limb] Arnulf G. Angeiologie 23:25-9, Jan-Feb 71 (Fre)

[Therapy of vascular syndromes of the upper limb. Surgical indications with special reference to the study of loco-regional factors] Langeron P. Angeiologie 23:13-6 passim, Jan-Feb 71 (Fre)

[Surgical treatment of membranous obstruction of the terminal segment of the vena cava. 2 cases] Dubost C, et al. Ann Chir Thorac Cardiovasc 8:433-43, Oct 69 (Fre)

[The sympatho-galvanic reflex (SGR) and sympathectomy] Boucher JR, et al. Can Anaesth Soc J 17:504-15, Sep 70 (Fre)

[Remote results of 120 cases of arterial disobliteration of the lower limbs] Gautier R, et al. Chirurgie 96:275-82, 1970 (Fre)

[Obturator shunt. Indication. Technic. Results] Gruss JD. Chirurgie 97:220-6, 1971 (Fre)

[Axillo-femoral anastomosis (34 cases)] Cormier JM, et al. J Chir (Paris) 100:479-92, Dec 70 (Fre)

[Surgical treatment of the vertebral artery insufficiency syndrome due to spondylotic compression] Famano VA, et al. Neurochirurgie 17:107-16, Mar-Apr 71 (Fre)

[Anterior cervical uncusectomy and foraminectomy] Jung A, et al. Neurochirurgie 17:61-6, Jan-Feb 71 (Fre)

[Anesthesiologic problems in reconstructive vascular surgery in cases of generalized vascular diseases] Turbók E, et al. Acta Chir Acad Sci Hung 11:347-52, 1970 (Ger)

[Vascular surgical emergencies] Vollmar J, et al. Bruns Beitr Klin Chir 218:295-307, Nov 70 (Ger)

[Actual problems of vascular surgery in the general surgery department] Schwencke K. Chirurg 41:458-62, Oct 70 (Ger)

[Technic of amputation in vascular diseases] Baumgartner R. Helv Chir Acta 38:161-6, Apr 71 (Ger)

[Use of a xanthine derivative in peripheral arterial blood flow disorders] Weger WP de. Med Monatsschr 24:221-5, May 70 (Ger)

[Alleviation of post-ischemic edema of the extremities after plastic arterial operations by proteinase inhibitor Trasylol] Maurer P, et al. Med Welt 2:43-8, 9 Jan 71 (Ger)

[Surgical treatment of peripheral vascular disorders] Brunner U. Praxis 60:1075-83, 10 Aug 71 (Ger)

[Clinical demonstrations] Senn A. Praxis 59:523-5, 7 Apr 70 (Ger)

[Morphological findings, postoperative complications, mortality and stay in bed after amputation for circulation disorders] Schmauss AK, et al. Z Aerztl Fortbild (Jena) 64:84-7, 15 Jan 70 (Ger)

[The approach to the malleolar arteries in vascular surgery] Settembrini PG, et al. Acta Chir Ital 27:27-43, Jan-Mar 71 (Ita)

[Direct arterial surgery: some complications due to carotid surgery, thoracic and abdominal aortic surgery and peripheral artery surgery] Bianchi M, et al. Arch Sci Med (Torino) 127:180-216, Apr-Jun 70 (Ita)

[Direct arterial surgery: local complications. I. Lacerations, dissections, stenosis, dehiscence, embolism, aneurysmatic dilation and hemorrhage] Bianchi M, et al. Arch Sci Med (Torino) 127:36-64, Jan-Mar 70 (Ita)

[Direct arterial surgery: local complications. II. Infections, arterio-intestinal fistula, thrombosis, complications of prostheses and grafts] Raso AM, et al. Arch Sci Med (Torino) 127:65-108, Jan-Mar 70 (Ita)

[Arteriovascular surgery: general complications] Raso AM, et al. Arch Sci Med (Torino) 127:1-35, Jan-Mar 70 (Ita)

[Late reoperations in reconstructive surgery of the peripheral arteries] Coscia M, et al. Bull Sci Med (Bologna) 142:40-51, Jan-Mar 70 (Ita)

[Immediate and remote results of surgery of aorto-iliac obstruction in 190 patients] Pierangeli A, et al. Bull Sci Med (Bologna) 142:10-24, Jan-Mar 70 (Ita)

[Differentiated intrabronchial respiration in the surgery of supra-aortic vessels] Arata GD, et al. Minerva Anestesiol 36:756-61, Dec 70 (Ita)

[On the use of the Foley catheter in the treatment of ischemic syndromes of the extremities] Trabattoni P, et al. Minerva Cardioangiol 19:65-72, Feb 71 (Ita)

[Use of THAM in vascular surgery. Intra-operative administration for the correction of acidosis following "clamping" of the abdominal aorta] Trazzi R, et al. Minerva Cardioangiol 18:563-75, Oct 70 (Ita)

[The femoral-pedal by-pass as an alternative to amputation of the lower limb] Deriu GP, et al. Minerva Chir 26:53-8, 31 Jan 71 (Ita)

[Use of doxycycline in angiosurgery patients] Meciani L, et al. Minerva Med 62:2641-9, 4 Jul 71 (Ita)

[Cervico-thoracic sympathectomy in the therapy of arteriopathies of the arm] Caprini A, et al. Osp Ital Chir 21:33-48, Jul 69 (Ita)

[On "late" operations after acute occlusion of the arteries of the extremities] Cavallaro A, et al. Policlinico [Chir] 78:61-77, Mar-Apr 71 (Ita)

[Carotid-vertebral anastomosis. An alternate technic for the repair of obstruction and insufficiency of the vertebral artery] Nagashima C, et al. Brain Nerve (Tokyo) 22:1125-38, Oct 70 (Jap)

[Intrathoracic lesions-diseases of the big vessels, especially acute ones] Bergan F, et al. Nord Med 85:900-1, 13 May 71 (Nor)

[Experiences with arterial reconstruction] Dundas P. Nord Med 84:1509-10, 19 Nov 70 (Nor)

[Vascular surgery problems in Sentralsykehuset in Trondheim)] Kufaas T. Nord Med 85:96, 21 Jan 71 (Nor)

[Surgical treatment of the femoro-popliteal occlusive disease] Kwiatkowski C, et al. Pol Tyg Lek 25:1409-11, Sep 70 (Pol)

[Surgery in the superior vena cava syndrome using semibiological prostheses] Pokrovskiĭ AV, et al. Grudn Khir 12:3-8, Sep-Oct 70 (Rus)

[In defense of sympathectomy in several vascular diseases] Labbok AI, et al. Khirurgiia (Mosk) 46:128-30, Sep 70 (Rus)

[Clinical picture and treatment of chronic venous insufficiency of the lower extremities] Trubachev VI. Khirurgiia (Mosk) 46:78-82, Dec 70 (Rus)

[Postsurgical rehabilitation of patients with obliterative diseases of the peripheral vessels] Zakharova GN, et al. Sov Med 33:116-20, 1970 (Rus)

[Surgery in occlusion of the celiac artery and its main

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

branches caused by pancreatitis] Shamanov AKh. Vestn Khir 103:56-7, Aug 69 (Rus)
[Surgery of chronic venous insufficiency of the lower extremities] Vasiliuk MD. Vestn Khir 105:75-8, Aug 70 (Rus)
[Arterial reconstructive surgery of the branches of the abdominal aorta] Alemany J. Angiologia 22:280-4, Nov-Dec 70 (Spa)
[The cross-over venous graft in the treatment of obstructions of the trunks of the aortic arch and iliac arteries] Brunet P, et al. Angiologia 23:55-8, Mar-Apr 71 (Spa)
[Surgical indications in the treatment of ischemias following angiographic studies] Rivera R, et al. Angiologia 22:1-12, Jan-Feb 70 (Spa)
[Syndrome of obstetrical negligence (its prevention and treatment)] Ctr Ctr 38:277-327, May-Jun 70 (Spa)
[Femoral and popliteal occlusion] Santin HI, et al. Prensa Med Argent 56:1807-8, 21 Nov 69 (Spa)

THERAPY

A comparison of the effects of reflex heat to local heat in patients with milk to moderate peripheral vascular disease. Chazan DV. J Am Podiatry Assoc 61:125-31, Apr 71
Vascular disease in the intensive care unit. McAllister FF. Med Clin North Am 55:1207-15, Sep 71
Investigation and management of peripheral vascular disease. Walker WF. Scott Med J 16:297-303, Jun 71 (30 ref.)
[Medical aspects of the treatment of leg diseases by compressive stockings] Wesener G. Phlebologie 24:127-31, Apr-Jun 71 (Fre)
[Fluoroscopic test and Royat thermal cure] Ambroat C. Presse Therm Climat 106:216-8, 1969 (Fre)
[Statistical work on results of thermal cure for venous disorders of the lower extremities] Laroche C, et al. Presse Therm Climat 106:200-10, 1969 (Fre)
[The effect of mephitic gases and carbon dioxide baths of Covasna in peripheral vascular disturbances and varicosities] Hadnagy C, et al. Arch Phys Ther (Leipz) 22:207-9, Jul-Aug 70 (Ger)
[The importance of treating so-called prevaricosis also from the psychosomatic and preventive viewpoints] Aichinger F, et al. Cosmetologica 19:159-65, 20 May 70 (Ger)
[Principles and results of clinical therapeutic courses of chronic arterial obstruction diseases of lower extremities] Sohr C. Dtsch Gesundheitsw 25:1969-75, 15 Oct 70 (Ger)
[Conservative treatment of venous diseases in the leg] Sigg K. Med Klin 65:972-7, 15 May 70 (Ger)
[Diagnosis and therapy of chronic peripheral arterial circulatory disorders] Schimanski K. Med Welt 31:1579-86, 8 Aug 70 (Ger)
[Conservative treatment of arterial peripheral blood circulation disorders] Bollinger A. Praxis 60:1071-4, 10 Aug 71 (Ger)
[Internal therapy of peripheral arterial blood circulation disorders] Bollinger A. Schweiz Med Wochenschr 100:774-7, 2 May 70 (Ger)
[Value of angiologic examination procedures in the evaluation of conservative therapeutic measures] Schütz RM. Verh Dtsch Ges Inn Med 75:926-30, 1969 (Ger)
[Clinical aspects and treatment results in papillitis and vascular intraocular opticopathy] Ziegler EM. Z Aerztl Fortbild (Jena) 65:152-5, 1 Feb 71 (Ger)
[Action of thrombophob-gel in combination with compression bandages or support-hose for phebologic indications] Marx R. Z Allgemeinmed 47:249-50, 20 Feb 71 (Ger)
[Diagnosis and therapy of acute and chronic arterial leg circulation disorders] Zehender K. Z Allgemeinmed 47:287-90, 28 Feb 71 (Ger)
[The treatment of chronic arterial occlusion with active muscle training (vascular exercise)] Bonyhádi K, et al. Orv Hetil 112:1323-6, 6 Jun 71 (Hun)
[Attempts at sanatorium treatment of functional disorders of the circulatory system] Lukasik S, et al. Pol Tyg Lek 25:1898-901, 7 Dec 70 (Pol)
[Immediate and late results of the treatment of patients with obliterating vascular diseases of the extremities] Fetisov VU. Khirurgiia (Mosk) 47:130-5, Feb 71 (Rus)
[3-stage manometric marching test as a method of differential diagnosis and evaluation of treatment effectiveness in diseases of the veins of the lower extremities] Bernshtein MI. Klin Khir 8:18-21, Aug 70 (Rus)
[Results of complex conservative treatment of patients with chronic arterial insufficiency of the lower extremities] Sardak GA, et al. Klin Khir 4:80-4, Apr 70 (Rus)
[Diagnosis and treatment of circulatory disorders of the extremities] Zolotoarevskif VIa, et al. Klin Med (Mosk) 48:39-44, Nov 70 (Rus)
[Current status of the problem of conservative treatment of obliterative arterial diseases] Sitenko VM. Vestn Khir 102:17-23, May 69 (Rus)
[The work of the department of vascular diseases in a city polyclinic] Murav'ev MF, et al. Zdravookhr Ross Fed 14:15-8, Oct 70 (Rus)
[Experience in organizing the dispensary treatment of patients with diseases of viens of the lower extremities and pelvis] Zhukov EA, et al. Zdravookhr Ross Fed 14:20-2, Sep 70 (Rus)
[Effect of polyvinyl alcohol bandages on circulation in various vascular diseases of the lower extremities] Ovnanian IP, et al. Zh Eksp Klin Med 7:65-9, 1967 (Rus)
[Acute disorders of peripheral blood vessels of the extremities form the view of the general practitioner] Litričin T, et al. Med Glas 23:114-7, May-Aug 69 (Cro)

VETERINARY

Hypertensive-like vascular lesions in a chimpanzee. Stout C, et al. Exp Mol Pathol 14:151-7, Apr 71
[Sudden occurrence of blood-vessel ruptures in the horse with special reference to the pathogenesis of vena portae rupture] Berg R, et al. Monatsh Vet Med 25:314-6, 15 Apr 70 (Ger)

VASCULAR RESISTANCE (G1)

Thrombocytes and pulmonary vascular resistance during hemorrhagic hypotension. Bo G, et al. Acta Physiol Scand 82:218-28, Jun 71
Renal vascular resistance in spontaneously hypertensive rats. Folkow B, et al. Acta Physiol Scand 80:9A, Dec 70
Background of increased flow resistance and vascular reactivity in spontaneously hypertensive rats. Folkow B, et al. Acta Physiol Scand 80:93-106, Sep 70
The hemodynamic importance of structural vascular changes in essential hypertension. Sivertsson R. Acta Physiol Scand 343:Suppl:1-56, 1970
The pressure in the occluded branch of the pulmonary artery and the "postarteriolar" vascular resistance. Herles F. Acta Univ Carol [Med] (Praha) 16:471-7, 1970
Effect of local cooling on responsiveness of muscular and cutaneous arteries and veins. Abdel-Sayed WA, et al. Am J Physiol 219:1772-8, Dec 70
Relationships between renal vascular volume and blood flow resistance. Baker CH. Am J Physiol 219:1337-41, Nov 70
Effect of acute hemorrhage on arterial and venous resistance. Brobmann GF, et al. Am J Physiol 220:12-5, Jan 71
Reflex vasodilatation and sympathetic transmission in the renal hypertensive dog. Brody MJ, et al. Am J Physiol 219:1746-50, Dec 70
Carotid baroceptor influence on total and segmental resistances in skin and muscle vasculatures. DiSalvo J, et al. Am J Physiol 220:1970-8, Jun 71
Carotid baroceptor influence on coronary vascular resistance in the anesthetized dog. DiSalvo J, et al. Am J Physiol 221:156-60, Jul 71
Cardiovascular responses of anesthetized nutria and cats during apnea. Ferrante FL, et al. Am J Physiol 221:251-4, Jul 71
Resistance responses to local changes in plasma osmolality in three vascular beds. Gazitha S, et al. Am J Physiol 220:384-91, Feb 71
Reflex responsiveness of vascular bed of dog subcutaneous adipose tissue. Hanley HG, et al. Am J Physiol 220:993-9, Apr 71
Minimal preglomerular resistance and calculation of normal glomerular pressure. Navar LG. Am J Physiol 219:1658-64, Dec 70
Effects of amniotic fluid on cardiac contractility and vascular resistance. Rodgers BM, et al. Am J Physiol 220:1979-82, Jun 71
Measurement of peripheral vascular properties by a frequency response method. Sato T, et al. Am J Physiol 220:1640-50, Jun 71
Cardiac output and total peripheral resistance in carotid sinus reflex. Schmidt RM, et al. Am J Physiol 221:480-7, Aug 71
Venous tone in correlation to position in normal case and in patients with phlebothrombosis. Kaindl F, et al. Angiology 21:557-62, Sep 70
Acute effects of autotransplantation on pulmonary vascular resistance and blood-gas exchange in the canine lung. Lincoln JC, et al. Ann Surg 172:877-82, Nov 70
High-pressure, high-resistance ventricular septal defect. Surgical results of closure through right atrium. Castaneda AR, et al. Ann Thorac Surg 12:29-38, Jul 71
Distensibility of the intraocular vascular bed. Best M, et al. Arch Ophthalmol 84:630-4, Nov 70
Acute effects of autotransplantation on pulmonary vascular resistance and blood-gas exchange in the canine lung. Lincoln JC, et al. Br J Surg 57:852, Nov 70
Peripheral resistance in the leg in arterial occlusive disease. An investigation on the popliteal artery made during direct arterial surgery. Bliss BP. Cardiovasc Res 5:237-42, Jul 71
Pressure-flow relationships and vascular impedance in man. Mills CJ, et al. Cardiovasc Res 4:405-17, Oct 70
Hemodynamic changes resulting from thrombin induced intravascular coagulation. Olsson P, et al. Cardiovasc Res 4:443-51, Oct 70
Contribution of plastoelasticity to the tone of the cat portal vein. Alexander RS. Circ Res 28:461-9, Apr 71
Role of tissue fluid in blood flow regulation. Beer G. Circ Res 28:Suppl 1:154-8, Jan 71
Adenosine and adenine nucleotides as possible mediators of cardiac and skeletal muscle blood flow regulation. Berne RM, et al. Circ Res 28:Suppl 1:115+, Jan 71
Non-neurogenic tone in isolated perfused resistance vessels. Bohr DF, et al. Circ Res 28:Suppl 1:59-64, Jan 71
Etiology of pulmonary artery dilatation and hilar dance in atrial septal defect. Boughner DR, et al. Circ Res 28:415-25, Apr 71
Reflex effects of stimulation of carotid sinus and aortic baroreceptors on hindlimb vascular resistance in dogs. Dampney RA, et al. Circ Res 29:119-27, Aug 71
Blood hyperosmolality and pulmonary vascular resistance in the cat. Hauge A, et al. Circ Res 28:371-6, Mar 71
Autoregulation in normal and pathological states including shock and ischemia. Hinshaw LB. Circ Res 28:Suppl 1:46-50, Jan 71
Effects of hypoxia on pulmonary vascular reactivity in pneumonectomized puppies and minipigs. Kato H, et al. Circ Res 28:397-402, Apr 71
The burden of the resistance vessels. Rodbard S. Circ Res 28:Suppl 1:2-8, Jan 71
Micropuncture evaluation of local control of arteriolar resistance of kidney and brain. Thurau K. Circ Res 28:Suppl 1:106+, Jan 71
Relationship between cardiac output and peripheral resistance in borderline hypertension. Julius S, et al. Circulation 43:382-90, Mar 71
Hemodynamics of uremic anemia. Neff MS, et al. Circulation 43:876-83, Jun 71
The nature of the increased peripheral resistance in hypertension. Conway J. Clin Sci 40:1P-2P, Feb 71
The haemodynamic consequences of adaptive structural changes of the resistance vessels in hypertension. Folkow B. Clin Sci 41:1-12, Jul 71
Contribution of hypercapnia and hypoxia to the vascular response to ischaemia. Kontos HA, et al. Clin Sci 39:203-22, Aug 70
Changes in systemic vascular resistance and capacitance elicited by some systemic reflexes. Samoilenko AV, et al. Cor Vasa 13:136-46, 1971
The role of the umbilical sinus in the regulation of placental vascular resistance. Brinkman CR 3d, et al. Gynecol Invest 1:115-27, 1970
Beta-mediated vasoconstrictor and vasodilator responses in the canine mesenteric and hepatic circulation. Kelso AF, et al. J Am Osteopath Assoc 70:1089-91, Jun 71
Correlation of pooling and resistance changes in the canine forelimb in septic shock. Hinshaw LB, et al. J Appl Physiol 30:331-7, Mar 71
The determination of the constitutive relationships for a human aorta. Krokosky EM, et al. J Biomed Mater Res 4:525-47, Dec 70
Effect of renal vasodilatation on the distribution of cortical blood flow in the kidney of the dog. Stein JH, et al. J Clin Invest 50:1429-38, Jul 71
The peripheral vascular response to severe exercise in untethered dogs before and after complete heart block. Vatner SF, et al. J Clin Invest 50:1950-60, Sep 71
Regional vascular reactivity in the middle cerebral arterial distribution. An experimental study in baboons. Symon L. J Neurosurg 33:532-41, Nov 70
The fall of pulmonary vascular resistance during severe asphyxia in foetal and new-born lambs. Bolton DP, et al. J Physiol (Lond) 211:Suppl:21P+, Dec 70
The effects of distension of the pulmonary vein-atrial junctions upon peripheral vascular resistance. Carswell F, et al. J Physiol (Lond) 207:1-14, Mar 70
The site of action of nerves in the pulmonary vascular bed in the dog. Daly I de B, et al. J Physiol (Lond) 209:317-39, Aug 70
Effect of local temperature changes on vascular resistance in the dog. Hadjiminas J. J Physiol (Lond) 217:29P-30P, Aug 71
Recording aortic flow, stroke volume, cardiac output, acceleration and peripheral vascular resistance. Hughes R. J Physiol (Lond) 210:8P, Sep 70
Passive vasodilatation of the hind limb after sympathetic preganglionic stimulation. Lloy F, et al. J Physiol (Lond) 213:55-68, Feb 71
Late cardiodynamics following correction of ventricular septal defects with previous pulmonary artery banding. Ebert PA, et al. J Thorac Cardiovasc Surg 60:516-22, Oct 70
Determination of segmental resistances in the canine kidney. Bdlint P, et al. Pfluegers Arch 327:274-84, 1971
Circuit parameters of carotid collaterals. Iriuchijima J, et al. Pfluegers Arch 322:304-9, 1971
Vascular area which most contributes to carotid occlusion reflex. Iriuchijima J, et al. Pfluegers Arch 325:279-86, 1971
Modern views on physiology. XXII. Peripheral resistance. Roddie IC. Practitioner 205:564-73, Oct 70
Variability in measurement of venous tone reactions with the occluded limb technique. Delius W. Scand J Clin Lab Invest 27:207-12, May 71
Central circulatory function early after pulmonary surgery. Johansson L, et al. Scand J Thorac Cardiovasc Surg 4:107-22, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Lung transplantation and pulmonary arteriolar circulation. Ketonen P, et al.
Scand J Thorac Cardiovasc Surg 4:97-101, 1970

Surgery of ventricular septal defect and pulmonary vascular resistance. Samaan HA.
Thorax 25:665-8, Nov 70

Dissociation of autoregulation and chemical regulation in cerebral circulation following seizures. Plum F, et al. Trans Am Neurol Assoc 95:27-30, 1970

The effect of exercise on resistance to blood flow in limbs with an occluded superficial femoral artery. Sumner DS, et al. Vasc Surg 4:229-37, Dec 70

[Influence of pulmonary flow increase under pressure and pulmonary vascular resistance in dogs with chest closed] Carlier J.
Acta Cardiol (Brux) 26:173-87, 1971 (Fre)

[Evolution of circulatory reactions to passive mobilization following suppression of various neural influences in the dog] Klepping J, et al.
J Physiol (Paris) 1:Suppl 1:141, 1969 (Fre)

[Heart rate and exravascular component of coronary resistance] Raff WK, et al.
Pfluegers Arch 323:241-9, 1971 (Ger)

[Coronary reserve in patients with mitral defects] Kochstiek K, et al.
Verh Dtsch Ges Kreislaufforsch 36:219-23, 1970 (Ger)

[Narrowing of capillaries in elevation of coronary resistance caused by anoxia and ischemia in the guinea pig heart] Baghirzade MF, et al.
Virchows Arch [Pathol Anat] 351:193-204, 1970 (Ger)

[Studies of the fluctuations of skin blood flow in infants under different environmental noise levels] Döring B, et al. Z Kinderheilkd 109:211-20, 1971 (Ger)

[Peripheral resistance and excretion of vanilmandelic acid in hypertensive subjects] Pirrelli A, et al.
Boll Soc Ital Biol Sper 46:636-9, 15 Aug 70 (Ita)

[Experimental method for the study of coronary resistance in an isolated heart] Costantini S, et al.
Minerva Cardioangiol 18:683-6, Dec 70 (Ita)

[Effects of avitaminosis K on capillary resistance in the rat] Ventura U, et al.
Minerva Med 62:476-82, 3 Feb 71 (Ita)

[Changes in peripheral arterial pulse related to age] Rossanigo F, et al.
Riv Med Aeronaut Spaz 33:126-32, Jan-Mar 70 (Ita)

[Effectiveness of neurogenic vasoconstriction in relation to the initial radius of the vessels] Rodionov IM. Biofizika 16:526-33, May-Jun 71 (Rus)

[Study of the effectiveness of neurogenic vasoconstrictor factors in relation to the initial vascular radius] Rodionov MM.
Biofizika 16:707-13, Jul-Aug 71 (Rus)

[Reflex changes in the tonus of venous vessels] Bratus' VV, et al. Biull Eksp Biol Med 71:6-8, Jan 71 (Rus)

[Reflex changes in regional vascular resistance in ischemia in heart excluded from circulation] Mofbenko AA.
Biull Eksp Biol Med 69:26-7, Mar 70 (Rus)

[The relation between vascular fragility and the state of skin mucopolysaccharides] Ofvin IA, et al.
Biull Eksp Biol Med 69:55-7, Apr 70 (Rus)

[Correlations between vasomotor reactions to nerve stimulation and noradrenaline] Udel'nov MG, et al.
Biull Eksp Biol Med 69:11-5, Apr 70 (Rus)

[Hydraulic resistance of the vascular graft and prosthesis] Orlov AG.
Eksp Khir Anesteziol 15:28-30, Jul-Aug 70 (Rus)

[Neurogenic changes in pulmonary vessel resistance and capacitance during acute decrease of circulating blood volume] Dvoretskif DP.
Fiziol Zh SSSR 57:80-4, Jan 71 (Rus)

[Determination of the resistance in large and small cerebral arteries using an adequate mathematical model] Mchedlishvili GI, et al.
Fiziol Zh SSSR 57:575-83, Apr 71 (Rus)

[Effect of local cooling of extremities on stomach vascular tonus and blood supply] Sidorenkov OK.
Fiziol Zh SSSR 56:1474-7, Oct 70 (Rus)

[Resistance of the vessels of the bulbar conjunctiva] Ivanov VV. Vestn Oftalmol 5:56-61, 1970 (Rus)

DRUG EFFECTS

The effect of mepivacaine and lidocaine on forearm resistance and capacitance vessels in man. Jorfeldt L, et al. Acta Anaesthesiol Scand 14:183-201, 1970

On the role of vasoactive substances in haemodynamic changes induced by thrombin. Swedenborg J.
Acta Chir Scand 1-20, 1971

Plethysmographic recordings of skin pulses. IV. The vasoconstrictive effect of steroids in normal and stripped skin. Thune P.
Acta Derm Venereol (Stockh) 51:261-7, 1971

Circulatory effects of orciprenaline, adrenaline and a new sympathomimetic beta-receptor-stimulating agent, terbutaline, in normal human subjects. Arner B, et al. Acta Med Scand [Suppl] 512:25-32, 1970

Potentiating action of desmethylimipramine on the cardiovascular effects of noradrenaline and some other pressor agents. Aström A.
Acta Physiol Scand 80:510-8, Dec 70

Experimental evaluation of pentazocine: effect on myocardial contractility and peripheral vascular resistance. Levitsky S, et al.
Am Heart J 81:381-6, Mar 71

Experimental evaluation of pentazocine: effect on myocardial contractility and peripheral vascular resistance. Levitsky S, et al.
Am Heart J 8:381-6, Mar 71

Forelimb transcapillary fluid fluxes and vascular resistances in catecholamine shock. Grega GJ, et al.
Am J Physiol 220:1448-62, May 71

Effects of blood temperature and perfused norepinephrine on vascular responses of rabbit ear. Nagasaka T, et al. Am J Physiol 220:289-92, Jan 71

Central inhibition of reflex vasodilatation by angiotensin and reduced renal pressure. Sweet CS, et al. Am J Physiol 219:1751-8, Dec 70

A pharmacologic basis for peripheral vascular resistance changes with contrast media injections. Coel MN, et al.
Am J Roentgenol Radium Ther Nucl Med 111:802-6, Apr 71

The effects of halothane on the pulmonary vascular bed of the dog. Heitz DC, et al.
Anesthesiology 35:61-7, Jul 71

Direct and reflex actions of cardiac glycosides on peripheral circulation of the dog. Webb-Peploe M, et al. Br Heart J 33:144, Jan 71

Catapres (ST-155)-induced changes in coronary vascular resistance. Nayler WG, et al.
Cardiovasc Res 4:457-65, Oct 70

Effect of dopamine on coronary vascular resistance and myocardial function. Nayler WG, et al.
Cardiovasc Res 5:161-8, Apr 71

Effects of haemolysed blood and adenosine diphosphate on the pulmonary vascular resistance in calves. Silove ED. Cardiovasc Res 5:313-8, Jul 71

Action of diazoxide on skeletal muscle vascular resistance. Powell WJ Jr, et al.
Circ Res 28:167-78, Feb 71

Interactions between oxygen, potassium, and osmolality in regulation of skeletal muscle blood flow. Skinner NS Jr, et al. Circ Res 28:Suppl 1:73-85, Jan 71

Salt, vascular reactivity and hypertension. Beilin LJ, et al. Clin Sci 39:15P, Dec 70

Vascular hyper-reactivity with sodium loading and with desoxycorticosterone induced hypertension in the rat. Beilin LJ, et al. Clin Sci 39:793-810, Dec 70

Comparative effects of dihydroergotamine and noradrenaline on resistance, exchange and capacitance functions in the peripheral circulation. Mellander S, et al. Clin Sci 39:183-201, Aug 70

Beta-adrenergic receptor blocking properties of three allyl-substituted phenoxypropanolamines. Ablad B, et al. Eur J Pharmacol 13:59-64, 1970

Influence of hydrocortisone on cardiovascular responses to epinephrine. Kadowitz PJ, et al.
Eur J Pharmacol 13:281-6, 1971

The effects of various anti-hypertensive drugs on the reflex responses to vasoactive substances. Li DM, et al. Eur J Pharmacol 12:24-34, 1 Sep 70

Enhancement of the coronary dilator effect of intravenous and intracoronary administered adenosine by hexobendine in dogs. Raberger G, et al.
Eur J Pharmacol 13:312-9, 1971

Haemodynamic changes in patients with coronary heart disease after beta-adrenergic blockade with propranolol. Bürgin D.
Int Z Klin Pharmakol Ther Toxikol 4:365-70, Oct 70

Haemodynamic changes in patients with coronary heart disease after beta-adrenergic blockade with propranolol. Bürgin D.
Int Z Klin Pharmakol Ther Toxikol 3:365-70, Oct 70

Simultaneous evaluation of cardiorespiratory and analgesic effects of nitrous oxide-oxygen inhalation analgesia. Everett GB, et al.
J Am Dent Assoc 83:129-33, Jul 71

Simultaneous evaluation of cardiorespiratory and analgesic effects of intravenous analgesia using pentobarbital, meperidine, and scopolamine with local anesthesia. Everett GB, et al.
J Am Dent Assoc 83:155-8, Jul 71

Differential effects of prostaglandins E 1, E 2, F 1 and F 2 on adrenergic vasoconstriction in the dog hindpaw. Kadowitz PJ, et al.
J Pharmacol Exp Ther 177:641-9, Jun 71

Betahistine, its metabolites and vascular responses in the forelimb of the dog. Konzett H, et al.
J Pharmacol Exp Ther 178:122-9, Jul 71

Effect of ethacrynic acid on hindlimb vascular resistance of anephric dogs. Ogilvie RI.
J Pharmacol Exp Ther 176:397-406, Feb 71

Changes in renal function associated with the development of resistance of the renal vasculature to the arterial infusion of angiotensin. Klein GL, et al.
J Physiol (Lond) 215:43P-44P, May 71

Changes in myocardial performance and total peripheral resistance produced by the administration of chlordiazepoxide. Hitch DC, et al.
J Thorac Cardiovasc Surg 61:352-8, Mar 71

Synergistic effects of adrenaline and mepyramine on the anaphylactic reactions of the bronchi and pulmonary vessels in the guinea pig heart-lung-preparation. Hahn F, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:224-40, 1970

Renal vascular response to plasma and to known vasoactive substances. Hysell JW, et al.
Proc Soc Exp Biol Med 135:930-3, Dec 70

Thrombin-induced vasoconstriction in the pulmonary circulation. Swedenborg J.
Scand J Clin Lab Invest 27:321-9, Jun 71

Effect of glucagon on pulmonary vascular resistance. Kirsh MM, et al. Surgery 70:439-42, Sep 71

[Retrograde influencing of pulmonary vascular resistance by changes in hemodynamics of the left heart as cause of the differential effect of various sympathomimetics on the pulmonary circulation of anesthetized dogs] Stühlinger W, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:463-4, 1970 (Ger)

[Extravascular components of coronary resistance in increase of left ventricular pressure rise rate caused by isoproterenol] Raff WK, et al.
Pfluegers Arch 325:323-33, 1971 (Ger)

[Studies on the pharmaceutical activation of coronary reserves in heart diseases] Hilger HH, et al.
Verh Dtsch Ges Kreislaufforsch 36:224-9, 1970 (Ger)

[Studies on the effect of Actihaemyl on peripheral vascular resistance and cardiac output] Heidrich H, et al. Z Kreislaufforsch 59:251-61, Mar 70 (Ger)

[Behavior of vascular resistance of the hind leg of the rabbit after administration into the femoral artery of microdoses of bradykinin. Study of the dose-effect relationship] Cassone R, et al.
Boll Soc Ital Biol Sper 45:1395-9, 30 Nov 69 (Ita)

[Quantitative determination of microdoses of angiotensin by evaluation of the changes of vascular resistance in the hind leg of the rabbit] Semprini A, et al. Boll Soc Ital Biol Sper 45:1391-5, 30 Nov 69 (Ita)

[Study of the circulatory activity of renal medulla lipid extracts. Action on arterial pressure and vascular resistance of the hind leg of the rabbit] Tallarida G, et al. Boll Soc Ital Biol Sper 45:1399-403, 30 Nov 69 (Ita)

[Changes in coronary resistance induced by a vasodilator drug] Costantini S, et al.
Minerva Cardioangiol 18:616-20, Nov 70 (Ita)

[The effect of hexonium on the pulmonary circulation and bronchial tonus] Zaslavskaia RM.
Biull Eksp Biol Med 65:76-8, May 68 (Rus)

[Effect of some pharmacologic substances on the venous tone] Aliaberdin UT.
Farmakol Toksikol 34:181-3, 1971 (Rus)

[Effect of amidopyrine, antipyrine, analgine and sodium salicylate on the tonus of intracranial and extracranial vessels] Gaevyi MD.
Farmakol Toksikol 34:174-81, 1971 (Rus)

[Role of different vascular regions in the hypotensive effect of ganglionic blockaders] Iuzhakov SD.
Farmakol Toksikol 34:278-82, May-Jun 71 (Rus)

[Effect of alpha-adrenalytics on the vasoconstrictor reactions caused by stimulation of sympathetic nerves by noradrenaline and adrenaline] Kisin IE, et al. Farmakol Toksikol 34:45-50, 1971 (Rus)

[Effect of neurotropic compounds on internal carotid and pial arteries] Mchedlishvili GI, et al.
Farmakol Toksikol 33:557-9, Sep-Oct 70 (Rus)

[Effect of acetylcholine and histamine on the tone of cerebral and extracranial vessels, volume rate of brain blood circulation, and oxygen tension in brain tissue] Gaevyi MD, et al.
Fiziol Zh SSSR 56:1457-67, Oct 70 (Rus)

[Interrelations between main hemodynamic parameters and regional vascular resistance when introducing adrenaline] Tsirul'nikov VA.
Fiziol Zh 16:484-9, Jul-Aug 70 (Ukr)

VASCULAR SURGERY (E4, G2)

Control of accidental hypothermia. Occurrence and prevention of accidental hypothermia during vascular surgery. Newman BJ. Anaesthesia 26:177-87, Apr 71

Aorto-iliac arterial substitution utilizing subcutaneous grafts. Blaisdell FW, et al. Ann Surg 172:775-80, Nov 70

Late suture failure in the pathogenesis of anastomotic false aneurysms. Moore WS, et al.
Ann Surg 172:1064-8, Dec 70

The use of silastic in vascular surgery. Leek AJ van der.
Arch Chir Neerl 22:127-34, 1970

Fasciotomy in peripheral vascular surgery. Report of 164 patients. Patman RD, et al.
Arch Surg 101:663-72, Dec 70

Indications for extracranial vascular surgery in the treatment of stroke. Thompson RA.
Ariz Med 28:513-8, Jul 71

Further studies of the effect of the Vineberg operation on patients with severe angina pectoris. Starr I, et al.
Bibl Cardiol 26:31-5, Mar-Apr 69

Microscopy of living bone marrow in Situ. II. Influence of the microenvironment on hemopoiesis. McClugage SG Jr, et al. Blood 38:96-107, Jul 71

Transfer of an abdominal dermo-fat graft by direct anastomosis of blood vessels. Antia NH, et al.
Br J Plast Surg 24:15-9, Jan 71

The establishment of a new blood supply to ischemic tissues by the implantation of an arterial-venous pedicle. Friedman EW, et al.
Bull Soc Int Chir 28:421-6, May-Jun 69

Blood flowmetry in arterial reconstruction. Scheinin TM, et al. Bull Soc Int Chir 28:272-7, Mar-Apr 69

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

An evaluation of autogenous and synthetic grafts in small artery reconstruction: an experimental study. Saini VK, et al. Indian J Med Res 57:1512-7, Aug 69
Management of acute vascular injuries. Adar R, et al. J Cardiovasc Surg (Torino) 11:435-9, Nov-Dec 70
Experimental lingual-basilar arterial microanastomosis. Reichman OH. J Neurosurg 34:500-5, Apr 71
Veno-venous anastomosis without eversion--technique suitable for portacaval shunt and renal transplantation. Dudley HA. J R Coll Surg Edinb 15:290, Sep 70
Acute vascular injuries: civilian and military. Hughes CW. J Trauma 11:189-90, Feb 71
Arterial diagram. Trimble IR. Johns Hopkins Med J 128:132-3, Mar 71
An intestinal conduit for free transplantation of other tissues. Washio H. Plast Reconstr Surg 48:48-51, Jul 71
Experimental studies on the application of tissue adhesives in vascular surgery. Noszczyk W, et al. Pol Med J 9:1173-82, 1970
Peripheral vascular trauma. Bizer LS. Postgrad Med 49:127-30, Feb 71
Diabetes and vascular surgery. Cotton LT, et al. Postgrad Med J Suppl:84-5, Jan 71
Introduction: vascular surgery comes of age. Eastcott HH. Postgrad Med J 47:250, May 71
Arterial injuries and their management. Slaney G, et al. Postgrad Med J 47:257-69, May 71 (37 ref.)
Vascular surgery in urology. Röhl L. Proc R Soc Med 64:589-94, Jun 71
Angiographic, hemodynamic, and clinical evaluation of partial occlusion of the inferior vena cava. Mandel SR, et al. South Med J 64:647-52, Jun 71
Alternative methods in arterial reconstruction. Bergan JJ, et al. Surg Clin North Am 51:85-97, Feb 71 (21 ref.)
Management of woumds of the innominate, subclavian, and axillary blood vessels. Brawley RK, et al. Surg Gynecol Obstet 131:1130-40, Dec 70
Advantages of silicone rubber vessel loop. Ersek RA, et al. Surg Gynecol Obstet 132:1067-8, Jun 71
An experimental and clinical evaluation of grafts in the venous system. Haimovici H, et al. Surg Gynecol Obstet 131:1173-86, Dec 70 (109 ref.)
A new absorbable synthetic suture in growing and adult primary vascular anastomoses: morphologic study. Dardik H, et al. Surgery 68:1112-21, Dec 70
Long-term results of microvascular repair and replacement. Khodadad G. Surgery 69:397-403, Mar 71
A new thin-walled nonkinking catheter for peripheral vascular cannulation. Kolobow T, et al. Surgery 68:625-9, Oct 70
Approach to fluid dynamic problems in reconstructive vascular surgery. Malan E, et al. Surgery 66:994-1003, Dec 69
A technique of interlacing vascular suture: experimental study in the dog. Iwabuchi T, et al. Tohoku J Exp Med 102:179-83, Oct 70
[Vascular surgery in Moscow] Pavlík V. Cas Lek Cesk 110:743-4, 30 Jul 71 (Cze)
[Value and limitations of rheography in surgery of arteriopathies of the limbs] Battino J, et al. Ann Cardiol Angeiol (Paris) 18:225-34, Jul-Sep 69 (Fre)
[Preoperative report on a case of arteriopathy] Stricht J van der, et al. Brux Med 51:31-42, Jan 71 (Fre)
[Peroperative and postoperative anticoagulants in vascular surgery] Rignault D. Bull Mem Soc Chir Paris 61:175-80, 1971 (Fre)
[Coronary disease (except myocardial infarct): surgical treatment] Cah Med 11:1414-26, 30 Dec 70 (Fre)
[Arteriography in peroperative checking (evaluation of 130 cases)] Courbier R, et al. Chirurgie 96:973-9, Dec 70 (Fre)
[Study of hemodynamic value of different methods of closing following longitudinal arterial surgery according to our model technic] Jacquemet LR, et al. Lyon Chir 65:596-9, Jul-Aug 69 (Fre)
[Extention of the venous by-pass to the distal segments of the leg arteries. Anterior femoro-tibial, posterior femoro-tibial, femoro-peroneal by-passes: 15 cases] Faidutti B. Mem Acad Chir (Paris) 95:383-7, 1969 (Fre)
[Our experience in vascular surgery anesthesia and resuscitation] Balestra L, et al. Minerva Anestesiol 37:123-8, Mar 71 (Fre)
[Endovascular obstruction as a means of hemostasis in arterial surgery] Descotes J. Presse Med 79:764, 3 Apr 71 (Fre)
[The communication on the wounds and contusions of arteries of the limbs observed during Algerian war] Chippaux. Rev Corps Sante Armees 11:993-4, Oct 70 (Fre)
[Anesthesiologic problems in reconstructive vascular surgery in cases of genralized vascular diseases] Turbók E, et al. Acta Chir Acad Sci Hung 11:347-52, 1970 (Ger)
[Hyperbaric oxygenation in connection with vascular reconstructive surgery] Eisterer H, et al. Chirurg 42:187-90, Apr 71 (Ger)
[Complete occlusion of the renal artery: nephrectomy or revascularization?] Hallwachs O, et al. Dtsch Med Wochenschr 96:53-8 passim, 8 Jan 71 (Ger)
[Vascular surgery in war] Lanz R. Helv Chir Acta 38:78-83, Apr 71 (Ger)
[Surgery of peripheral vessels in a county hospital] Roth H. Helv Chir Acta 38:95-100, Apr 71 (Ger)
[Angiography in the field of vascular surgery] Wellauer J. Helv Chir Acta 38:3-19, Apr 71 (Ger)
[Summary of the round table discussion on vascular surgery] Helv Chir Acta 38:171-8, Apr 71 (Ger)
[Blood vessel ligations in uncontrollable epistaxis] Federspil P. HNO 19:171-5, Jun 71 (Ger)
[Naftidrofuryl, a new blood vessel-active substance in the preparation for arterial vascular surgery] Becker HM. Med Klin 65:359-61, 20 Feb 70 (Ger)
[Treatment of postoperative secondary aldosteronism and postoperative gastrointestinal paresis with aldosterone antagonists] Hoffmeister HE, et al. Med Klin 65:1414-7, 31 Jul 70 (Ger)
[Vascular surgery in a municipal hospital. Limitations and possibilities] Coerper HG. Med Welt 19:779-86, 8 May 71 (Ger)
[Ligation of the spermatic vein in patients with subfertility due to varicocele] Nöske HD, et al. Munch Med Wochenschr 112:1683-6, 18 Sep 70 (Ger)
[Intraoperative angiography] Salzmann P, et al. Thoraxchirurgie 18:459-65, Dec 70 (Ger)
[Before and after care in cardiovascular operations] Benad G. Z Aerztl Fortbild (Jena) 64:1091-2, 1 Nov 70 (Ger)
[Femoro-femoral cross-over graft] Eger M, et al. Harefuah 79:205-7, 1 Sep 70 (Heb)
[Peridural block and narcosis. Complementary anesthesia technics in vascular surgery] Gritti G, et al. Minerva Anestesiol 37:160-3, Apr 71 (Ita)
[Metabolic changes in surgical interventions with clamping of the aorta] Pannacciulli E, et al. Minerva Anestesiol 37:77-86, Feb 71 (Ita)
[Use of methoxamine in surgery of large blood vessels] Tufano R. Minerva Anestesiol 37:63-5, Feb 71 (Ita)
[Dextran in vascular surgery. Basis of physiopharmacology] Zaffiri O, et al. Minerva Anestesiol 37:193-6, Apr 71 (Ita)
[Direct surgery of the arteries (synthetic prosthesis and prevention of secondary thrombosis)] Guagliano G, et al. Minerva Chir 25:907-33, 15 Jul 70 (Ita)
[Development of a new method for non-suture deep vascular anastomosis] Suzuki J, et al. Brain Nerve (Tokyo) 23:621-4, Jun 71 (Jap)
[Present atus of vascular surgery] Tashiro T. Iryo 24:943-8, Dec 70 (Jap)
[Vascular surgery in orthopedics, with special reference to microvascular surgery] Tamai S. J Jap Orthop Assoc 44:623-33, Aug 70 (37 ref.) (Jap)
[Vascular surgery in orthopedics] Tomishige M. J Jap Orthop Assoc 44:613-22, Aug 70 (Jap)
[Prevention of thrombus formation after vascular reconstruction] Oshiro T, et al. Shujutsu 25:206-15, Feb 71 (Jap)
[Protective action of low-molecular dextran (40,000) in prevention of early thrombosis during vascular surgery] Piskorz A, et al. Pol Przegl Chir 43:1320-5, Sep 70 (Pol)
[Vascular surgery in diabetics] Rykowski H, et al. Wiad Lek 23:1557-61, 15 Sep 70 (8 ref.) (Pol)
[Surgical risk in patients with atherosclerotic changes in peripheral arteries of lower limbs] Wiśniewska W, et al. Wiad Lek 24:1-5, 1 Jan 71 (Pol)
[Immediate and remote results of ligation of uterine vessels during postpartum hemorrhage] Tsirul'nikov MS. Akush Ginekol (Mosk) 46:59-61, Jul 70 (Rus)
[Mechanical suture in vascular surgery] Zakharova GN, et al. Khirurgiia (Mosk) 47:116-23, Jan 71 (Rus)
[Ligation and restoration of the major vessels of the extremities] Pronichev NI, et al. Ortop Travmatol Protez 31:9-11, Jul 70 (Rus)
[Use of low-molecular polyvinol in vascular surgery] Kurbangaleev SM, et al. Vestn Khir 106:109-12, Jan 71 (Rus)
[Some results of surgery in diseases of the heart and major vessels at the Caucasus Mineral Waters] Toshinskiĭ II, et al. Vestn Khir 104:25-32, Mar 70 (Rus)
[Parturition function in women sustaining ligation of the uterine vessels] Ushakova NI. Vopr Okhr Materin Det 16:85-6, Feb 71 (Rus)
[Postoperative care and control of vascular surgery patients] Hallböök T. Nord Med 85:123-4, 28 Jan 71 (Swe)
[Myocardial revascularization (preliminary report of an experimental work on animals)] Kraljević L, et al. Lijec Vjesn 92:895-911, 1970 (Cro)

ADVERSE EFFECTS

The anterior spinal artery syndrome--a complication of abdominal aortic surgery: report of five cases and review of the literature. Zuber WF, et al. Ann Surg 172:909-15, Nov 70
Atheroembolization. A complication of vascular surgery and-or diagnostic angiography. Roscher AA, et al. Int Surg 56:82-94, Aug 71
Radiographic and histologic demonstration of an aneurysm developing on the infundibulum of the posterior communicating artery. Case report. Stuntz JT, et al. J Neurosurg 33:501-5, Nov 70
[Iatrogenic blood vessel injuries in surgery] Vollmar J. Langenbecks Arch Chir 322:335-9, 1968 (Ger)
[Thrombosis in vascular surgery] D'Addato M, et al. Acta Chir Ital 25:793-824, Nov-Dec 69 (Ita)
[Injury to the deep femoral vessels at the time of phlebectomy] Razin VF. Klin Khir 8:36-7, Aug 70 (Rus)
[Sexual disturbances after dissection of the aorta and the iliac vessels] Holmquist B, et al. Nord Med 85:186, 11 Feb 71 (Swe)

HISTORY

Jerome Cochran lecture. Development of arterial grafts and arterial surgery in Alabama. Edwards WS 3d. J Med Assoc State Ala 40:239-44, Oct 70
[From periarterial sympathectomy to coronary artery graft or 50 years of cardiovascular surgery] Stricht J van der. Brux Med 50:923-8, Nov 70 (Fre)
[History of cardiovascular surgery] Neirotti R. An Cir (Rosario) 35:28-35, Jan-Jun 70 (Spa)

INSTRUMENTATION

[Vascular microanastomosis using mechanical suture apparatus. Comparative study] Fontaine JL, et al. Acta Otorhinolaryngol Belg 23:315-24, 1969
A new instrument for the excision of varicose veins. Eghrari M. Angiology 22:97-8, Feb 71
An adjustable pulmonary artery band. Fishman NH, et al. Arch Surg 102:143, Feb 71
A radiopaque pulmonary artery band. Patterson MW. J Thorac Cardiovasc Surg 61:975-6, Jun 71
Binocular loupes (microtelescopes) for coronary artery surgery. Spencer FC. J Thorac Cardiovasc Surg 62:163-4, Jul 71
An improved balloon catheter for the removal of vascular clots. Klieman C. Surgery 68:806-8, Nov 70
[Vascular microanastomosis using mechanical suture apparatus. Comparative study] Fontaine JL, et al. J Chir (Paris) 101:315-24, Mar 71 (Fre)
[Instruments for suturing of minute blood vessels] Ikuta Y, et al. Shujutsu 25:383-7, Mar 71 (Jap)

STANDARDS

Vascular surgery: a quest for excellence. Wylie EJ. Arch Surg 101:645-8, Dec 70

VASKULAT see BAMETHAN (D5)

VASOCONSTRICTOR AGENTS (D5)

Comparative effects of local anesthetic agents on temperature changes in lower extremities of parturients with caudal anesthesia. Lynas RF. Anesth Analg (Cleve) 49:900-4, Nov-Dec 70
Drug combination. Brilhart KB. JAMA 217:1107, 23 Aug 71

ADMINISTRATION & DOSAGE

The influence of vehicle composition on the vasoconstrictor activity of betamethasone 17-benzoate. Pepler AF, et al. Br J Dermatol 85:171-6, Aug 71
Nose drops versus oral decongestants. Barnhart RA. Postgrad Med 48:132-5, Aug 70
Selective arterial infusions of vasoconstrictors in acute gastrointestinal bleeding. Rösch J, et al. Radiology 99:27-36, Apr 71
[Value of the 1035 MD in geriatrics] Catrix G, et al. Rev Lyon Med 19:797-805, 15 Dec 70 (Fre)
[Study of human peripheral hemodynamics after I.v. infusion of a small dosage of dl-1-(2',5'-dimethoxyphenyl)-2-glycinamidoethanol-(1) hydrochloride (=st 1085)] Ehringer H. Int Z Klin Pharmakol Ther Toxikol 4:415-20, Jun 71 (Ger)

ADVERSE EFFECTS

[Cardiac toxicity of currently used drugs] Mohiuddin SM, et al. Laval Med 42:393-8, 1971 (Fre)

ANTAGONISTS & INHIBITORS

Mechanism of antihypertensive action of prolonged administration of hydrochlorothiazide in rabbit and dog. Zsotér TT, et al. Circ Res 27:717-25, Nov 70
The effects of mianserin hydrochloride on the vascular responses evoked by 5-hydroxytryptamine and related vasoactive substances. Saxena PR, et al. Eur J Pharmacol 13:295-305, 1971

DIAGNOSTIC USE

New developments in pharmacoangiography (and arterial pharmacotherapy) of the gastrointestinal tract. Steckel RJ, et al. Invest Radiol 6:199-211, May-Jun 71
[Evaluation of the use of drugs in celiac arteriography] Kawanami H, et al. Rinsho Hoshasen 16:293-302, Apr 71 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHARMACODYNAMICS

Plethysmographic recordings of skin pulses. IV. The vasoconstrictive effect of steroids in normal and stripped skin. Thune P.
Acta Derm Venereol (Stockh) 51:261-7, 1971

Effects of vasoactive drugs on circulation in canine subcutaneous adipose tissue. Fredholm BB, et al.
Acta Physiol Scand 79:564-74, Aug 70

Differential effects of substrate depletion on drug-induced contractions of rabbit aorta. Altura BM, et al. Am J Physiol 219:1698-705, Dec 70

The effect of tricyclic antidepressant on the cardiovascular effects of local anaesthetic solutions containing different vasoconstrictors. Goldman V, et al. Anaesthesia 26:91, Jan 71

Pharmacological mechanisms in the eustachian tube. Jackson RT. Ann Otol Rhinol Laryngol 80:313-8, Jun 71

The use of cholesteric thermographic procedure of screening of vasoactive drugs: a preliminary study. Thompson EB, et al.
Arch Int Pharmacodyn Ther 191:49-57, May 71

The nature of experimental second-set kidney transplant rejection. 2. The mimicking of the haemodynamic upset by pharmacological and other means. Dempster WJ.
Br J Exp Pathol 52:172-85, Apr 71

Vascular actions of clonidine in man. Hodge RL, et al.
Br J Pharmacol 40:573P+, Nov 70

Responses of mean arterial pressure to pressor agents and diuretics in renal hypertensive and salt hypertensive rats. Nicholas TE.
Br J Pharmacol 42:179-92, Jun 71

Potentiation by anticholinesterases of the response of rat mesenteric arteries to sympathetic postganglionic nerve stimulation. Malik KU.
Circ Res 27:647-55, Nov 70

Observations on the effects of nicotinic acid, Cyclospasmol and Ronicol on the electrocortical activity and automatic movement of the rat. Singh R.
Curr Mod Biol 3:323-31, Feb 71

Actions of neurohypophysial hormone analogues on perfused isolated rat caudal artery. Krejčí I, et al.
Eur J Pharmacol 13:65-75, 1970

The relationship between the vascular responses to the peptides ranatensin and angiotensin. Louis WJ, et al.
Eur J Immunol 14:340-3, May 71

The effect of glucocorticoids on preimplantation capillary permeability in the rat. Schlough JS.
Fertil Steril 22:389-91, Jun 71

Vasoconstriction produced in the iris-ciliary body of the cat eye by stimulation of local ganglion-like receptors. Macri FJ.
Invest Ophthalmol 10:581-8, Aug 71

Blood volume considerations in oral surgery. Meyer RA. J Oral Surg 29:617-21, Sep 71

Differential effects of prostaglandins E 1 , E 2 , F 1 and F 2 on adrenergic vasoconstriction in the dog hindpaw. Kadowitz PJ, et al.
J Pharmacol Exp Ther 177:641-9, Jun 71

Difference in sensitivity to vasoconstrictor drugs within the wall of the sheep carotid artery. Graham JM, et al. J Physiol (Lond) 215:22P-23P, May 71

Responses of renal mechanoreceptors to vasopressor substances. Ueda H, et al. Jap Heart J 12:347-53, Jul 71

d-Lysergic acid diethylamide (LSD-25): a constrictor of human umbilical vein. Gant DW, et al.
Life Sci [I] 10:235-40, 15 Feb 71

Localisation of receptors that initiate reflex vascular responses to vasoactive substances. Li DM, et al.
Pfluegers Arch 325:199-219, 1971

Effectiveness of pressor drugs in beagles exposed to mixed gamma-neutron radiations. Davis LW, et al.
Proc Soc Exp Biol Med 136:753-9, Mar 71

Effect of chlorothiazide on renal blood flow in the conscious dog. Ludens JH, et al.
Proc Soc Exp Biol Med 135:197-9, Oct 70

Alteration of postirradiation hypotension and incapacitation in the monkey by administration of vasopressor drugs. Miletich DJ, et al.
Proc Soc Exp Biol Med 137:111-5, May 71

Ornithine-8-vasaopressin, a new vasoconstrictor for local anaesthesia in dentistry. A comparative study with adrenaline. Nordenram A, et al.
Sven Tandlak Tidskr 63:773-7, Nov 70

[Intrarenal role of renin: effects of vasoconstrictors on isolated rabbit kidney] Regoli D, et al.
Union Med Can 100:783-9, Apr 71 (Fre)

[Clinical tests with ornithine 8-vasopressin as vasoconstrictor addition to the local anesthetic solutions] Herfert O.
Anaesthesist 20:40-1, Jan 71 (Ger)

[Interpretation of adrenergic vasoconstriction as an aspecific rejection factor of renal homotransplants] Novelli GP, et al.
Minerva Anestesiol 35:1280-5, Dec 69 (Ita)

[Effect of phenylalanine-2-lysyl-8 vasopressin (PLV-2) on spleen circulation] Pastorini C, et al.
Minerva Gastroenterol 16:159-63, Oct-Dec 70 (Ita)

[Use of local vasoconstrictors during halothane anesthesia. 3. Evaluation of POR-8 (ornithine 8-vasopressin)] Nishioka K, et al.
Jap J Anesthesiol 19:1438-43, Dec 70 (Jap)

[Effect of POR-8 (ornithine-vasopressin) on the coronary circulation] Yusa T, et al.
Jap J Anesthesiol 20:598-604, Jul 71 (Jap)

[Effect of vasoactive humoral agents on the rumen and femoral artery area blood supply in sheep] Garbuliński T, et al.
Acta Physiol Pol 21:767-76, 1970 (Pol)

[Effect of alpha-adrenalytics on the vasoconstrictor reactions caused by stimulation of sympathetic nerves by noradrenaline and adrenaline] Kisin IE, et al. Farmakol Toksikol 34:45-50, 1971 (Rus)

[Pharmacology of some carbamoyl derivatives of serotonin] Mashkovskiĭ MD, et al.
Farmakol Toksikol 34:26-9, 1971 (Rus)

PHYSIOLOGY

Bier's spots--evidence that they are mediated by an intravascular venoconstrictor substance. Collier JG, et al. J Physiol (Lond) 209:Suppl:12P+, Jul 70

SECRETION

Release of vaso-active substances from lungs by injection of particles. Palmer MA, et al.
Br J Pharmacol 40:547P+, Nov 70

THERAPEUTIC USE

The role of antibiotics, vasoactive drugs and steroids in Gram-negative bacteremia. Petersdorf RG, et al.
Ann NY Acad Sci 145:319-28, 27 Sep 67

A comparison of mental function in relation to hypotensive and normotensive anaesthesia in the elderly. Rollason WN, et al.
Br J Anaesth 43:561-6, Jun 71

Vasopressors and other drugs used in shock.
Br Med J 3:756-7, 26 Sep 70

Studies in clinical shock and hypotension. VII. Renal hemodynamics before and during treatment. Tristani FE, et al. Circulation 42:839-51, Nov 70

The dilemma of vasopressors and vasodilators in the therapy of shock. Shoemaker WC, et al.
Surg Gynecol Obstet 132:51-7, Jan 71

[Influence of several drugs of the adrenergic sphere on rat paw inflammatory edema. I. Action of naphtazoline, ephedrine, metaraminol, bamethan, yohimbin and propranolol] Marçais H, et al.
C R Soc Biol (Paris) 164:773-5, 1970 (Fre)

[Place of pharmacodynamic agents in the treatment of the state of shock] Charlier P.
Coeur Med Interne 8:383-90, Jul 69 (Fre)

[Ginkor in common proctology. Apropos of 36 cases] Parnaud E. Therapeutique 47:483-6, May 71 (Fre)

[Problems in the treatment of cardiogenic shock] Heublein B, et al.
Dtsch Gesundheitsw 25:733-7, 23 Apr 70 (Ger)

[Radiographic control of acute gastrointestinal bleeding] Rösch J, et al.
Fortschr Geb Roentgenstr Nuklearmed 114:729-40, Jun 71 (Ger)

[Treatment of the complications of traumatic hyphema] Gastaldi TS, et al.
Arch Oftalmol B Aires 45:477-83, Nov 70 (Spa)

VASOCONSTRICTOR AGENTS, NASAL (D5)

Topical nasal decongestant preparations available in the United States. Salem H, et al.
Rev Allergy 25:271-7, Mar 71

ADMINISTRATION & DOSAGE

Comparison of the effectiveness of topical and oral nasal decongestants. Lewison E.
Eye Ear Nose Throat Mon 49:16-8, Jan 70

[Clinical testing of a new steroid nasal spray] Ferri GR.
Otorinolaringol Ital 38:221-31, 1970 (Ita)

[Clinical and experimental studies on a new rhinologic spray preparation (FI 6413)] Salami A.
Otorinolaringol Ital 38:183-204, 1970 (Ita)

[Action of 127-F in nasal sinus diseases] Albernaz PL, et al. Hospital (Rio de J) 77:1959-63, Jun 70 (Por)

ADVERSE EFFECTS

Nasal decongestants and paranoid psychosis. Wharton BK. Br J Psychiatry 117:439-40, Oct 70

The "nose drop nose" due to oxymetazoline (Afrin) and other topical vasoconstrictors. Feinberg AR, et al.
Ill Med J 140:50-2, Jul 71

[From Sweden]
Tidsskr Nor Laegeforen 89:1657, 1 Nov 69 (Nor)

PHARMACODYNAMICS

[Naphazoline restoration of the action of adrenaline and noradrenaline reversed by tolazoline] Haard R, et al. C R Soc Biol (Paris) 164:1472-4, 1970 (Fre)

[Studies on the pharmacologic influence on the resorption capability of the nasal mucosa in experimental animals] Münzel M, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:363-6, 1970 (Ger)

[Alpha- and beta-sympathomimetic effects on the electrically stimulated isolated guinea pig ileum] Oberdorf A, et al.
Naunyn Schmiedebergs Arch Pharmakol 267:195-207, 1970 (Ger)

[Experience in the use of a local vasoconstrictor, Otrivin--clinical observation by double blind, cross over method and the effect on the nasal mucosa] Sugiura S.
Otolaryngology (Tokyo) 43:71-86, Jan 71 (Jap)

POISONING

[Acute poisoning by imidazoline derivatives for topical intranasal administration in children. Review of the literature, subject and case reports in the literature. Description of a personal case of acute naphazoline (Privine) poisoning in a boy 1-year and 4-day-old boy after topical intranasal therapy by instillation. Clinical case study] Bruni R.
Minerva Pediatr 22:2293-368, 24 Nov 70 (Ita)

THERAPEUTIC USE

A new treatment for allergic rhinitis: "Tobispray". Stewart JA. Med J Aust 1:591-3, 13 Mar 71

Nose drops versus oral decongestants. Barnhart RA.
Postgrad Med 48:132-5, Aug 70

The interaction of psychologic stimuli and pharmacologic agents on airway reactivity in asthmatic subjects. Luparello TJ, et al.
Psychosom Med 32:509-13, Sep-Oct 70

Medicamentous recalibration of the nasal cavities of ozena. Mőlfay V. Rom Med Rev 15:70-4, Jan-Mar 71

[Clinical, rhinorheometric and sonomanometric study of the effects of F.F. 65 in rhinosinusal and tubal pathology] Riu R, et al.
Rev Corps Sante Armees 9:365-76, Jun 68 (Fre)

[Experience in the use of a local vasoconstrictor, Otrivin--clinical observation by double blind, cross over method and the effect on the nasal mucosa] Sugiura S.
Otolaryngology (Tokyo) 43:71-86, Jan 71 (Jap)

VASODILATOR AGENTS (D5)

Platelet aggregation. IV. Platelet phosphodiesterase and its inhibition by vasodilators. Vigdahl RL, et al.
Biochem Biophys Res Commun 43:1088-94, 19 Mar 71

Combined effect of carbon dioxide and acetazolamide on cerebral blood flow in occlusive cerebral vascular diseases. Vejjajiva A, et al.
J Med Assoc Thai 54:91-7, Feb 71

8-azatheophylline and its derivatives as coronary vasodilators. Bariana DS. J Med Chem 14:543-5, Jun 71

[Clinical electrocardiographic and ergometric studies on the efficiency of lidoflazine in angina pectoris] Schwalb H. Arzneim Forsch 21:465-72, Apr 71 (Ger)

[Mechanism of the vasodilator effect of lactic acid] Kulagina VP, et al. Kardiologiia 10:132-6, Sep 70 (Rus)

ADMINISTRATION & DOSAGE

Cerebral circulation. Effects of vasodilating drugs on blood flow and the microvasculature of ischemic and nonischemic cerebral cortex. Regli F, et al.
Arch Neurol 24:467-74, May 71

Hemodynamic effects of vasodilatation in "critical" arterial stenosis. Kreuzer W, et al.
Arch Surg 103:277-82, Aug 71

[Treatment of arteriopathy of the lower extremities by intermittent intra-arterial perfusion] Gournay J, et al.
Ann Cardiol Angeiol (Paris) 19:367-72, Oct-Dec 70 (Fre)

[Emergency treatment of cardiac rhythm disorders with intravenous Verapamil] Bohyn P, et al.
Brux Med 51:439-47, Jun 71 (Fre)

Conservative treatment of diabetic gangrene by means of continuous intra-arterial perfusion] Calvet JM.
Diabete Suppl:63-7, 28 Sep 68 (Fre)

[Sureptil in prolonged treatment in ischemic pathology of the central nervous system] Petit H, et al.
Lille Med 15:1099-103, Aug-Sep 70 (Fre)

[Substrate metabolism in the human heart under the effect of hexobendin] Rudolph W, et al.
Arzneim Forsch 20:1190-8, Sep 70 (Ger)

[Arterial and coronary venous carbon dioxide concentration and respiratory quotient of the human heart under the effect of hexobendin] Rudolph W, et al. Arzneim Forsch 20:1054-60, Aug 70 (Ger)

[Studies on the pharmacodynamic influencing of the coronary blood flow] Baubkus H, et al.
Verh Dtsch Ges Inn Med 75:416-9, 1969 (Ger)

[Possibility of improvement of cerebral function under the effect of prolonged combined infusions-injections oral therapy in geriatrics] Engel K, et al.
Wien Med Wochenschr 121:269-72, 3 Apr 71 (Ger)

[Studies on the behavior of integrated capillary pressure impulses in arterial occlusion disease following intra-arterial drug-induced vasodilatation] Bartusch M, et al.
Z Kreislaufforsch 60:440-6, May 71 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Old and new concepts of antistenocardiac drugs] Sanna GP. Cardiol Prat 21:367-82, Dec 70 (Ita)
[Effect of some phenothiazine derivatives on human embryonal cell culture] Kolmykova VN, et al. Farmakol Toksikol 34:57-9, 1971 (Rus)
[Effectiveness of the anti-arrhythmic effect of isoptin] Votchal BE, et al. Klin Med (Mosk) 49:33-8, Apr 71 (Rus)
[Our personal method in therapy of acute thrombophlebitis of the lower extremities] Silvestrini P, et al. Angiologia 23:47-54, Mar-Apr 71 (Spa)

ADVERSE EFFECTS

Systemic vasodilators, intraocular pressure, and chamber depth in glaucoma. Pecson JD, et al. Am J Ophthalmol 72:74-8, 30 Jul 71
[Study of the general tolerance of Naftidrofuryl in daily intra-arterial perfusions] Tingaud R, et al. Bord Med 3:2797-801 passim, Nov 70 (Fre)
[Pigmentary lucitis due to amiodarone] Beurey J, et al. Bull Soc Fr Dermatol Syphiligr 78:31-3, 1971 (Fre)
[Dermatitis of uncovered parts in 6 patients taking amoproxan (Mederel)] Degos R, et al. Bull Soc Fr Dermatol Syphiligr 77:497-9, 1970 (Fre)
[Recessive optic neuritis during lucitis due to Mederel] Huriez C, et al. Bull Soc Fr Dermatol Syphiligr 78:11-4, 1971 (Fre)
[Cutaneous pigmentation during treatments with amiodarone chlorhydrate] Labouche F, et al. Bull Soc Fr Dermatol Syphiligr 78:27-30, 1971 (Fre)
[Cutaneous and mucosal complications after absorbing amoproxan. 5 cases] Noble JP, et al. Bull Soc Fr Dermatol Syphiligr 77:499-500, 1970 (Fre)
[A new etiology of toxic optic neuritis: amoproxan] François P, et al. Bull Soc Ophtalmol Fr 70:665-6, May-Jun 70 (Fre)
[Optic neuritis caused by amoproxan] Saraux H, et al. Bull Soc Ophtalmol Fr 70:664-5, May-Jun 70 (Fre)
[Death after intravenous application of isoptin] Apitz J, et al. Med Klin 66:751-5, 14 May 71 (Ger)
[Lipid and carbohydrate metabolism in diabetics with hypercholesteremia during long-term treatment with beta-pyridylcarbinol] Wandrey H, et al. Med Klin 65:668-76, 3 Apr 70 (Ger)
[Harmful effects of vasodilator therapy] Bartolo M, et al. Minerva Med 62:734-9, 24 Feb 71 (Ita)
[Clinicopathological studies on the so-called foam cell syndrome associated with a long-term use of a coronary dilating agent] Onozawa Y, et al. J Jap Soc Intern Med 59:228-34, 10 Nov 70 (Jap)
[Psychomotor disorders with audio-visual hallucinations probably caused by the use of a new coronary dilator or L-3 methoxy-W-(hydroxy-1-phenyl-isopropylamine) propiophenone hydrochloride. Record of the case] Baptista ML. Hospital (Rio de J) 77:1051-3, Mar 70 (Por)

ANALYSIS

Observations on the micelle formation of 2-butyl-3-benzofuranyl-4-[2-(diethylamino) ethoxy]-3,5-diiodophenyl ketone hydrochloride (SK&F 33134-A) by NMR spectroscopy. Warren RJ, et al. J Pharm Sci 59:1357-8, Sep 70
[Identification of vasoactive substances in extracts of the bovine eye lens] Werle E, et al. Naunyn Schmiedebergs Arch Pharmakol 268:177-84, 1971 (Ger)
[Determination of 2-methyl-5-(pyridyl-3-acryloyloxy)-8-(beta-diethyiminoethoxy)-furo-(2',3';6,7)-chromone hydrochloride] Lotti B, et al. Boll Chim Farm 110:151-60, Mar 71 (Ita)
[Direct conductometric determination of salts of weak bases and strong acids in aqueous solutions] Artamonov BP, et al. Farmatsiia 20:36-41, Jan-Feb 71 (Rus)
[Use of simple planning of an experiment for the study of optimal conditions for chloraxicine analysis by differential photometry] Belikov VG, et al. Farmatsiia 20:30-3, 1971 (Rus)
[Reaction of identification of diethyphen, paramyon and dienestrol acetate] Solovef NV. Farmatsiia 20:72-3, Mar-Apr 71 (Rus)

ANTAGONISTS & INHIBITORS

Inhibition of cardiovascular metabolic and hemodynamic effects of adenosine by aminophylline. Afonso S, et al. Am J Physiol 219:1672-4, Dec 70
The effects of mianserin hydrochloride on the vascular responses evoked by 5-hydroxytryptamine and related vasoactive substances. Saxena PR, et al. Eur J Pharmacol 13:295-305, 1971

BLOOD

Plasma concentrations and urinary excretion of isosorbide dinitrate and its metabolites in the dog. Sisenwine SF, et al. J Pharmacol Exp Ther 176:296-301, Feb 71

CHEMICAL SYNTHESIS

[Fluorinated organic compounds with potential biological activity. VII. (1) N-substituted amides of alpha-fluoroarylacetic acid] Cavalleri B, et al. Farmaco [Sci] 25:809-21, Nov 70 (Ita)

DIAGNOSTIC USE

New developments in pharmacoangiography (and arterial pharmacotherapy) of the gastrointestinal tract. Steckel RJ, et al. Invest Radiol 6:199-211, May-Jun 71
[Effect of carbochromen on the spatial T-area vector] Schönberger W, et al. Z Kreislaufforsch 58:1272-7, Dec 69 (Ger)
[Evaluation of the use of drugs in celiac arteriography] Kawanami H, et al. Rinsho Hoshasen 16:293-302, Apr 71 (Jap)

METABOLISM

Pulmonary fate of histamine, isoproterenol, physalaemin, and substance P. Boileau JC, et al. Can J Physiol Pharmacol 48:681-4, Oct 70
The whole body autoradiographic studies on the distribution of 14 C-labeled new 1,5-benzothiazepine derivative (14 C-CRD-401) in mice. Sakuma M, et al. Chem Pharm Bull (Tokyo) 19:995-1005, May 71
[Blood levels, distribution in the organs and excretion of carbochromen in rat, dog and man] Schraven E, et al. Arzneim Forsch 20:1905-11, Dec 70 (Ger)

PHARMACODYNAMICS

Effects of vasoactive drugs on circulation in canine subcutaneous adipose tissue. Fredholm BB, et al. Acta Physiol Scand 79:564-74, Aug 70
Mechanism of action of angiotensin cofactor. Berman LB, et al. Am J Physiol 220:1332-6, May 71
Myocardial reactive hyperemia responses in the dog after aminophylline and lidoflazine. Bittar N, et al. Am J Physiol 220:812-5, Mar 71
Vasodilators, intrarenal blood flow, and natriuresis in the dog. Carrière S, et al. Am J Physiol 221:92-8, Jul 71
Capillary pressure and filtration coefficient during isoproterenol infusion. Diana JN. Am J Physiol 219:1574-84, Dec 70
A pharmacologic basis for peripheral vascular resistance changes with contrast media injections. Coel MN, et al. Am J Roentgenol Radium Ther Nucl Med 111:802-6, Apr 71
The role and significance of vasodilatation in the development of small arterial lesions in the rat. Kóczé A, et al. Angiologica 7:374-80, 1970
Pharmacological mechanisms in the eustachian tube. Jackson RT. Ann Otol Rhinol Laryngol 80:313-8, Jun 71
Comparative cardiac effects of isoxsuprine and nylidrin following administration of doses producing equivalent skeletal muscle vasodilatation. Lawson JW, et al. Arch Int Pharmacodyn Ther 190:67-77, Mar 71
Systemic and coronary hemodynamic effects of perhexiline. Rowe GG, et al. Arch Int Pharmacodyn Ther 187:377-93, Oct 70
The use of cholesteric thermographic procedure of screening of vasoactive drugs: a preliminary study. Thompson EB, et al. Arch Int Pharmacodyn Ther 191:49-57, May 71
The action of some drugs on the cerebral circulation. Valois JC de, et al. Arch Int Pharmacodyn Ther 189:390-1, Feb 71
The effect of certain drugs on myocardial dynamics as recorded with the high-frequency (acceleration) direct body ballistocardiograph. Winer NJ. Bibl Cardiol 26:160-73, Mar-Apr 69
The influence of propranolol, INPEA, iproveratril and some 1-naphthylethylamine derivatives on the myocardial phosphorylase activity. Robak J, et al. Biochem Pharmacol 19:1221-7, Apr 70
Studies with coronary-active drugs. Haas H. Brux Med 50:665-8, Sep 70
The influence of coronary vasodilators on cornary blood flow in man. Hilger HH. Brux Med 50:557-65, Sep 70
Effects of hexobendine on cardiac metabolism and blood supply. Raberger G, et al. Brux Med 50:645-50, Sep 70
The cardiovascular pharmacology of lidoflazine. Schaper W, et al. Brux Med 50:635-8, Sep 70
Effects of carbochromen and dipyridamole on blood flow and heat production in the normal and ischaemic canine myocardium. Grayson J, et al. Cardiovasc Res 5:41-7, Jan 71
Effects of prostaglandin A on the systemic and coronary circulations in the conscious dog. Higgins CB, et al. Circ Res 28:838-48, Jun 71
A new candidate for mediator of functional vasodilatation in skeletal muscle. Hilton SM. Circ Res 28:Suppl 1:70-2, Jan 71
Action of diazoxide on skeletal muscle vascular resistance. Powell WJ Jr, et al. Circ Res 28:167-78, Feb 71
Effects of isoproterenol on the pulmonary circulation in patients with chronic obstructive lung disease. Ferrer MI, et al. Circulation 43:528-37, Apr 71
Isoproterenol and pulmonary circulation. Yu PN, et al. Circulation 43:613-4, Apr 71
Renal vasodilatation: effect on renal handling of phosphate. Ahumada JJ, et al. Clin Sci 41:109-21, Aug 71
Observations on the effects of nicotinic acid, Cyclospasmol and Ronicol on the electrocortical activity and automatic movement of the rat. Singh R. Curr Mod Biol 3:323-31, Feb 71
Enhancement of the coronary dilator effect of intravenous and intracoronary administered adenosine by hexobendine in dogs. Raberger G, et al. Eur J Pharmacol 13:312-9, 1971
Role of adenosine in reactive hyperemia of the dog heart. Bittar N, et al. Experientia 27:153-4, 15 Feb 71
Influence of coronary dilators on the uptake of serotonin by human platelets and adrenaline by chromaffine granules. Grobecker H, et al. Experientia 27:299-301, 15 Mar 71
Nicotinic acid esters as coronary vasodilators. Bariana DS, et al. J Med Chem 14:372-3, Apr 71
Comparative profile of L 3428 and other antianginal agents on cardiac hemodynamics. Petta JM, et al. J Pharmacol Exp Ther 176:328-38, Feb 71
Altered reflex vasodilatation in the hypertensive rat: possible role of histamine. Tobia AJ, et al. J Pharmacol Exp Ther 175:619-26, Dec 70
Direct evidence for a dilator action of carbon dioxide in pulmonary vessels when vascular tone is high. Shaw JW. J Physiol (Lond) 207:75P-76P, Apr 70
Influence of isoxsuprine on muscle blood flow. Amery A, et al. JAMA 216:1038, 10 May 71
The effects of coronary vasodilators on coronary and systemic circulation. Experiments on the hearts of anesthetized dogs. Seta K. Jap Circ J 34:499-511, Jun 70
Changes in pulsatile coronary blood flow induced by coronary vasodilators. Nakamura Y, et al. Jap Heart J 11:470-7, Sep 70
Pharmacological studies on 8-[(1,4-benzodioxan-2-yl) methyl]-3-oxo-1-thia-4,8-diazaspiro-[4,5]-decane maleate. Nakanishi M, et al. Jap J Pharmacol 21:361-75, Jun 71
Difference in haemodynamic response to prostaglandins A and E. Kannegiesser H, et al. Nature (Lond) 229:496-500, 12 Feb 71
Influence of lidoflazine on cardiac transmembrane potentials and experimental arrhythmias. Carmeliet E, et al. Naunyn Schmiedebergs Arch Pharmakol 268:210-28, 1971
Enhancement of coronary reactive hyperemia in unanesthetized pigs by an adenosine-potentiator (Lidoflazine). Jageneau AH, et al. Naunyn Schmiedebergs Arch Pharmakol 265:16-23, 1969
Pharmacological effects on coronary reactive hyperemia in conscious dogs. Juhran W, et al. Naunyn Schmiedebergs Arch Pharmakol 269:32-47, 1971
Effect of hexobendine on cerebral hemispheric blood flow and metabolism. Preliminary clinical observations concerning its use in ischemic cerebrovascular disease. Meyer JS, et al. Neurology (Minneap) 21:691-702, Jul 71
Localisation of receptors that initiate reflex vascular responses to vasoactive substances. Li DM, et al. Pflugers Arch 325:199-219, 1971
Inhibition of venoconstrictor responses by prostaglandin E1. Hedwall PR, et al. Proc Soc Exp Biol Med 135:757-9, Dec 70
The effects of bradykinin and histamine on cerebral arteries of monkeys. Watters JW. Radiology 98:299-303, Feb 71
In vitro common carotid and basilar artery reactivity in hemorrhagic shock. Dunker RO Jr, et al. Surg Forum 21:432-3, 1970
[Thermometric evaluation of peripheral circulatory changes after administration of Ildamen] Kadeřávek F. Fysiatr Revmatol Vestn 49:179-84, Aug 71 (Cze)
[Pharmacologic bases of antiangina properties of amiodarone] Charlier R. Brux Med 50:651-6, Sep 70 (Fre)
[Influence of Intensain on fat and carbohydrate metabolism] Hammeri H, et al. Brux Med 51:395-9, May 71 (Fre)
[On the necessity to resume and enlarge pharmacologic and clinical studies of a molecule during the advancement of its therapeutic utilization: pharmacology of trimetaxidine] Vigne J. Brux Med 50:801-8, Sep 70 (Fre)
[Pharmacodynamic amelioration of return portography in celiosplenic angiography (preliminary note)] Weill F, et al. J Radiol Electrol Med Nucl 50:177, Mar-Apr 69 (Fre)
[Pharmacodynamic study of blood flow in the human cerebral cortex by a continuous and focal measurement method] Mamo H, et al. Rev Neurol (Paris) 123:101-16, Aug 70 (Fre)
[Comparison of the vasodilator effect of papaverine hydrochloride in normal rabbits and atheromatous

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

rabbits] Bezançon M, et al.
Therapie 26:71-6, Jan-Feb 71 (Fre)
[Influence of some coronarodilators on the pressure time index and on pulmonary arterial pressure in the chloralosed dog] Cosnier D, et al.
Therapie 26:173-90, Jan-Feb 71 (Fre)
[Experimental study of the vasodilator action of Surheme (la 1221) in dogs] Fontaine JL, et al.
Therapie 25:961-7, Sep-Oct 70 (Fre)
[Could angiotensin have a vasodilator action?] Ducrot H, et al. Union Med Can 97:1233-6, Sep 68 (Fre)
[The regulation of local cortical cerebral blood flow following injections of nor-epinephrine, pentobarbital and adrenolitico] Bienmüller H, et al.
Aerzti Forsch 24:97-111, 10 Apr 70 (Ger)
[Modified method for the testing of surface anesthesia on the rabbit cornea, using cocaine, procaine, propranolol, alprenolol, INPEA and verapamil] Bartsch W, et al.
Arzneim Forsch 20:1140-3, Aug 70 (Ger)
[Inhibition of induced thrombocyte aggregation by adenosine and adenosine derivatives. 2. Correlation between inhibition of aggregation and peripheral vasodilatation] Dietmann K, et al.
Arzneim Forsch 20:1749-51, Nov 70 (Ger)
[Control of myocardial metabolism by verapamil. Sites of action and therapeutic effects] Fleckenstein A.
Arzneim Forsch 20:Suppl 9a:1317+, Sep 70 (Ger)
[Substrate metabolism of the human heart under the influence of iproveratril (Verapamil)] Rudolph W, et al. Arzneim Forsch 21:449-58, Apr 71 (Ger)
[Oxygen uptake and carbon dioxide release by the human heart under the influence of iproveratril (Verapamil)] Rudolph W, et al.
Arzneim Forsch 21:458-62, Apr 71 (Ger)
[The influence of orally applied iproveratril (Verapamil) on coronayy blood flow, oxygen consumption and carbon dioxide formation in the human heart] Rudolph W, et al.
Arzneim Forsch 21:462-5, Apr 71 (Ger)
[Antihypertensive activities of combinations os musculotropic peripheral vasodilators with reserpine] Stoepel K.
Arzneim Forsch 21:54-7, Jan 71 (Ger)
[The antiarrhythmic and coronary-dilating properties of verapamil in patients ith ischemic heart disease] Votčal BE, et al.
Arzneim Forsch 20:Suppl 9a:1281+, Sep 70 (Ger)
[Uterus sedation with the vasodilator Dilydrin] Eggimann U. Gynaecologia 168:476-7, 1969 (Ger)
[Ophthalmodynamometric and tonographic analysis of the influence of a vasodilator agent on intracranial blood circulation and intraocular pressure] Makabe R.
Klin Monatsbl Augenheilkd 158:309, Feb 71 (Ger)
[Uterus relaxation by highly potent Ca plus,plus-antagonistic inhibitors of electro-mechanical coupling such as Isoptin (verapamil, iproveratril), compound D 600 and Segontin (prenylamine). Experiments on the isolated virgin rat uterus] Fleckenstein A, et al.
Klin Wochenschr 49:32-41, Jan 71 (Ger)
[Ophthalmodynamometric and tonographic analysis of the effect of Vascunicol] Makabe R.
Med Klin 66:117-21, 22 Jan 71 (Ger)
[Labor inhibition with a new beta-adrenergic drug] Boden W, et al. Med Welt 30:1342-9, 25 Jul 70 (Ger)
[Species differences with respect to influencing the action and elimination of adenosine by dipyridamole and hexobendine] Kolassa N, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:373-4, 1970 (Ger)
[Neurogenic vasodilatation caused by sympathomimetics] Oswald W.
Naunyn Schmiedebergs Arch Pharmakol 265:67-80, 1969 (Ger)
[Uptake and liberation of 3H-adenosine in the heart during O2 deficiency, increased perfusion pressure and use of coronary dilators] Pöch G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:425-6, 1970 (Ger)
[Enhancement of the coronary dilator action of i.v. and i.c. administered adenosine following intraduodenal provision of hexobendine in dogs] Raberger G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:430-1, 1970 (Ger)
[Efficiency of human cardiac action by coronary dilators] Schirmer R, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:440, 1970 (Ger)
[The influence of hex bendin on fat and carbohydrate metabolism in healthy persons, patints wth a positive tolbutamide test and diabetics] Hammerl H, et al.
Wien Klin Wochenschr 82:930-3, 25 Dec 70 (Ger)
[Determination of pyruvic acid and lactic acid during pregnancy and the cycle following administration of Dilatol] Michel CF, et al.
Z Geburtshilfe Gynaekol 171:261-74, Dec 69 (Ger)
[Fetal concominant symptoms during Dilatol prolonged drip infusion] Wolff CH.
Zentralbl Gynaekol 92:1307-10, 3 Oct 70 (Ger)
[Preliminary pharmacological studies on some benzofuran derivatives with coronary dilating action] Pisanti N, et al. Farmaco [Sci] 26:312-21, Apr 71 (Ita)
[Vasodilator action of ethylene nitroglycol and trinitrine on cerebral circulation] Gobbato F, et al.
Folia Med (Napoli) 52:537-52, Sep 69 (Ita)
[Experimental method for the study of coronary resistance in an isolated heart] Costantini S, et al.
Minerva Cardioangiol 18:683-6, Dec 70 (Ita)
[Ophthalmodynamography in the study of cerebral pharmacodynamics. Considerations on so-called aimed therapy on the level of ocular circulation] Caramazza R, et al.
Riv Otoneurooftalmol 44:479-500, Nov-Dec 69 (Ita)
[Symposium--coronary hemodynamic response to autonomic drugs and coronary vasodilators. 4. Coronary vasodilation produced by prostaglandin E1 (PGE1), dipyridamole, MG-345, acetylcholine, papaverine and sodium nitrite in the dog] Abiko Y, et al. Folia Pharmacol Jap 66:95, 20 Jul 70 (Jap)
[Symposium--coronary hemodynamic response to autonomic drugs and coronary vasodilators. 3. Coronary hemodynamic response to coronary vasodilators in normal and chronically ischemic hearts] Hirata M, et al.
Folia Pharmacol Jap 66:94-5, 20 Jul 70 (Jap)
[Symposium--coronary hemodynamic response to autonomic drugs and coronary vasodilators. 2. The effects of various drugs on the cardiac anoxia] Kadokawa T, et al.
Folia Pharmacol Jap 66:94, 20 Jul 70 (Jap)
[The effects of vasodilators on the cerebral hemodynanics in the cerebrovascular diseases] Furuhashi N.
J Jap Soc Intern Med 60:89-102, Feb 71 (Jap)
[Clinical pathophysiological studies on coronary circulation. 3. The effects of so-called coronary vasodilator agents on coronary circulation in various diseases] Osugi S. Jap Circ J 35:268-80, Feb 71 (Jap)
[Clinical physiopathological studies on myocardial oxygen metabolism. 3. Myocardial oxygen metabolism during administration of coronary dilators] Yokoyama H. Jap Circ J 35:127-39, Jan 71 (Jap)
[Basic studies of a coronary vasodilator, Ildamen] Saito T, et al. Jap J Anesthesiol 20:122-6, Feb 71 (Jap)
[Effect of vasoactive humoral agents on the rumen and femoral artery area blood supply in sheep] Garbuliński T, et al.
Acta Physiol Pol 21:767-76, 1970 (Pol)
[The increase of resistance of Staphylococcus and Escherichia coli to some antibiotics and their combinations with DNA-tropic substances] Brodinova NS, et al. Antibiotiki 15:801-6, Sep 70 (Rus)
[Changes in various central effects of serotonin in cats receiving antidepressants] Glushko LF, et al.
Biull Eksp Biol Med 71:51-3, Mar 71 (Rus)
[Effect of vetrazine, chlorazicin, and chlorpromazine on the histamine and serotonin content of rabbit organs during bacteremia caused by Bac. prodigiosum] Romanovskaia MG, et al.
Biull Eksp Biol Med 71:51-4, May 71 (Rus)
[Vasodilator paradox] Thulesius O.
Lakartidningen 67:4226-7, 16 Sep 70 (Swe)
[Arterial insufficiency: paradoxical reduction of the peripheral blood flow after vasodilatory actions] Uhrenholdt A.
Lakartidningen 68:2515-9, 19 May 71 (Swe)

PHYSIOLOGY

The relationship between functional vasodilatation in adipose tissue and prostaglandin. Bowery NG, et al.
Br J Pharmacol 40:437-45, Nov 70

SECRETION

Release of a humoral vasodilator substance during neurogenic vasodilatation. Ballard DR, et al.
Am J Physiol 219:1451-7, Nov 70

THERAPEUTIC USE

Exercise tolerance in patients with angina pectoris. Daily variation and effects of erythrityl tetranitrate, propranolol and alprenolol. Dagenais GR, et al.
Am J Cardiol 28:10-6, Jul 71
Anti anginal drugs, their evaluation by double blind trial. Datey KK, et al. Angiology 21:520-5, Sep 70
Antiarrhythmic actions of coronary vasodilator agents papaverine, dioxyline and verapamil. Hanna C, et al.
Arch Int Pharmacodyn Ther 185:238-53, Jun 70
Preliminary results in the treatment of peripheral arteriopathies with a new pharmacologic substance: I-(2"pyrimidyl)4 piperonyl piperazine (ET 495). Royer RJ. Bibl Cardiol 26:174-9, Mar-Apr 69
Verapamil in cardiac dysrhythmias during anaesthesia. Brichard G, et al. Br J Anaesth 42:1005-12, Nov 70
Evaluation of a new alpha-blocking vasodilator agent (thymoxamine) in peripheral vascular disease. Kane SP. Br J Surg 57:921-6, Dec 70
Cerebral vasodilators. Judge TG. Br Med J 3:480, Aug 71
Cerebral vasodilators.
Br Med J 2:702-3, 19 Jun 71 (46 ref.)
Investigation of verapamil in the treatment of angina pectoris. Sandler G. Brux Med 50:669-73, Sep 70
Hemodynamic effects of an isoquinoline derivative in the treatment of hemorrhagic shock. Kim SI, et al.
J Surg Res 11:390-5, Aug 71
The effect of some vasoactive agents on portal hypertension. Ghanem MH, et al.
J Trop Med Hyg 73:223-8, Sep 70
Management of scleroderma. Winkelmann RK, et al.
Mayo Clin Proc 46:128-34, Feb 71
Inhibition of human premature labor by mesuprine hydrochloride. Barden TP.
Obstet Gynecol 37:98-105, Jan 71
The dilemma of vasopressors and vasodilators in the therapy of shock. Shoemaker WC, et al.
Surg Gynecol Obstet 132:51-7, Jan 71
A clinicopharmacological assay of Halidor in disorders of retinal blood supply. Szikiai A.
Ther Hung 18:91-4, 1970
Treatment of vascular diseases with Mydocalm. Sztankay C. Ther Hung 18:121-4, 1970
[The peripheral blood flow after vasodilatating procedures] Landgard H.
Nord Med 85:696, 3 Jun 71 (Dan)
[Reduction in peripheral blood flow after vasodilating procedures in patients with gangrene of the toes due to arteriosclerosis obliterans] Uhrenholdt A, et al.
Nord Med 85:137-43, 4 Feb 71 (Dan)
[Effect of oxyphedrine (Ildamén) in angina pectoris studied in a double-blind trial] Marner T.
Ugeskr Laeger 132:2071-3, 29 Oct 70 (Dan)
[The role of coronary vasodilatators in the treatment of coronary heart disease] Rudolph W, et al.
Ann Cardiol Angeiol (Paris) 20:79-82, Jan-Feb 71 (Fre)
[Restructuring action of Sureptil in anxio-depressive components of involutive states] Carrère J.
Ann Med Psychol (Paris) 2:409-19, Oct 70 (Fre)
[Therapeutic results with 1035 MD (apropos of 92 cases)] Deltell P, et al.
Ann Med Psychol (Paris) 1:261-8, Feb 71 (Fre)
[Treatment of painful osseous crises of sickle cell anemia with an arteriolar vasodilator] Bouyer C.
Ann Soc Belg Med Trop 48:597-605, 1968 (Fre)
[Vasodilator therapy and ocular diseases] Verin P.
Bord Med 3:2509-10, Oct 70 (Fre)
[Value of trentadil in dyspnea in children] Battin J, et al. Brux Med 49:641-3, Oct 69 (Fre)
[Clinical use of trimetazidine] Candaele G.
Brux Med 50:599, Sep 70 (Fre)
[Clinical study of lidoflazine] De Mey D, et al.
Brux Med 50:639-43, Sep 70 (Fre)
[8 years of clinical experience in treatment of angina pectoris with amiodarone] Gillot P.
Brux Med 50:657-63, Sep 70 (Fre)
[Antiangina medications] Reuse J.
Brux Med 50:553-5, Sep 70 (Fre)
[Ethical problems in antiangina drug experimentation] Vastesaerger M. Brux Med 50:675-6, Sep 70 (Fre)
[Results of medical treatment in chronic open angle glaucoma] Desvignes P.
Bull Mem Soc Fr Ophtalmol 81:676-86, 1968 (Fre)
[Pyrimidyl-piperonyl-piperazine in ophthalmology: 114 cases] Arion AF, et al.
Bull Soc Ophtalmol Fr 69:511-7, May-Jun 69 (Fre)
[Influence of several drugs of the adrenergic sphere on rat paw inflammatory edema. I. Action of naphtazoline, ephedrine, metaraminol, hamethan, yohimbin and propranolol] Marçais H, et al.
C R Soc Biol (Paris) 164:773-5, 1970 (Fre)
[Place of pharmacodynamic agents in the treatment of the state of shock] Charlier P.
Coeur Med Interne 8:363-90, Jul 69 (Fre)
[Neuro-psychic treatment and angina pectoris. Apropos of a drug with coronary and neuro-sedative action] Chiche P, et al.
Coeur Med Interne 9:519-24, Oct 70 (Fre)
[Treatment of chronic angina with ethyl-flavone-7-oxyacetate] Soulié P, et al.
Coeur Med Interne 10:301-4, Apr-Jun 71 (Fre)
[Clinical study of amiodarone] Talin A, et al.
Coeur Med Interne 10:131-3, Jan-Mar 71 (Fre)
[Research on pharmacodynamic reinforcement of neuroleptics by the 1035 M.D.] Sizaret P, et al.
Encephale 59:278-88, May-Jun 70 (Fre)
[The value of Sureptil in O.R.L.] Mounier-Kuhn P, et al.
J Fr Otorhinolaryngol 18:551-6, Oct 69 (Fre)
[Value of Sureptil during long term treatments with psychotropes] Loste J, et al.
J Med Lyon 51:1231-2 passim, 20 May 70 (Fre)
[Clinical study of 1036 MD in the treatment of coronary insufficiency] Warembourg H, et al.
Lille Med Suppl 6:1361+, Nov 70 (Fre)
[Effect of a new vascular drug, 4216 S, on circulatory flow in patients with chronic angiopathy of the lower extremities: determination of an index of vascularization of the lower extremities by serum albumin tagged with iodine 131] Dugois P, et al.
Lyon Med 222:43-7, 6 Jul 69 (Fre)
[Effect on lipid metabolism of a coronary dilator: ethyl-7-oxyacetate flavone] Dupont JC, et al.
Lyon Med 221:941-7, 20 Apr 69 (Fre)
[Experimentation with 4.001 CB. in arterial thrombosis of the lower limbs] Milleret P, et al.
Lyon Med 224:507-10, 1 Nov 70 (Fre)
[Therapeutic trial of vincamine] Moinade S, et al.
Lyon Med 221:1383-5, 8 Jun 69 (Fre)
[Results of the use of a new vasodilator agent (E.U4290) in neuro-surgical pathology (30 cases)] Ravon R, et al.
Lyon Med 225:67-9, 10 Jan 71 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Thromboembolic disease during pregnancy. 3] Poirier R. Phlebologie 24:165-80 contd, Apr-Jun 71 (Fre)
[Action of MD 1035 in peripheral vascular manifestations] Barraine R, et al.
Presse Med 78:2389-90, 12 Dec 70 (Fre)
[Medical treatment of acute arterial obliteration in the limbs] Serradimigni A, et al.
Rev Atheroscler (Paris) 10:3-8, 1968 (Fre)
[Trial of sureptil in autism of severely mentally handicapped children (45 cases)] Suerinck E.
Rev Otoneuroophtalmol 42:130-1, Apr 70 (Fre)
[Medical treatment of arteritis of the lower limbs] Berkman M. Therapeutique 47:39-45, Jan 71 (Fre)
[Surheme in rheumatology] Chabot J.
Therapeutique 47:615-8, Jun-Jul 71 (Fre)
[From clinical medicine to experimentation: cerebral vascular accidents, a new field for the use of a coronarodilator, carbochromene] Giovannoni L.
Therapeutique 45:685-6, Jun-Jul 69 (Fre)
[Vasodilator treatment in arteriopathies of the lower limb] Sicard A, et al.
Therapeutique 44:546-7, Nov 68 (Fre)
[Methods of experimental study of drugs for angina pectoris] Duchene-Marullaz P.
Therapie 25:883-91, Sep-Oct 70 (Fre)
[Influence of oxyphedrine on beriberi-pigeons] Jeličić J, et al. Aerztl Forsch 24:116-7, 10 Apr 70 (Ger)
[Verapamil for regulation of cardiac rhythm disorders. Experience with our own patients] Arsov D, et al.
Arzneim Forsch 20:Suppl 9a:1290+, Sep 70 (Ger)
[Treatment of tachycardiac arrhythmias and arterial hypertension with verapamil] Bender F.
Arzneim Forsch 20:Suppl 9a:1310+, Sep 70 (Ger)
[The effect of verapamil in coronary insufficiency and cardiac arrhythmia] Bobkova VI, et al.
Arzneim Forsch 20:Suppl 9a:1285+, Sep 70 (Ger)
[Bencyclane in the therapy of diseases of motor organs] Dellamartina F.
Arzneim Forsch 20:Suppl 10a:1448+, Oct 70 (Ger)
[Therapy of cardiac arhythmia with verapamil] Dodčicin VL.
Arzneim Forsch 20:Suppl 9a:1289+, Sep 70 (Ger)
[Studies on coronary-active substances] Haas H.
Arzneim Forsch 20:Suppl 9a:1290+, Sep 70 (Ger)
[Studies on coronary-active substances] Haas H.
Arzneim Forsch 20:Suppl 9a:1295+, Sep 70 (Ger)
[Experience with a long-term therapy of out-patients with verapamil] Janefič A, et al.
Arzneim Forsch 20:Suppl 9a:1293+, Sep 70 (Ger)
[Clinical, clinical-chemical and cerebral bioelectric testing of a combination of hexobendine, ethamivan and hydroxyethyltheophyllin] Jovanović UJ, et al.
Arzneim Forsch 20:1223-30, Sep 70 (Ger)
[Drug therapy of angina pectoris. Evaluation of various drugs by means of work tests] Kaltenbach M.
Arzneim Forsch 20:Suppl 9a:1304+, Sep 70 (Ger)
[The effectiveness of treating patients with coronary insufficiency with verapamil] Kipfidze NN, et al.
Arzneim Forsch 20:Suppl 9a:1284+, Sep 70 (Ger)
[Therapeutic results in disturbed peripheral blood circulation with the vasodilator bencyclane] Leonard W. Arzneim Forsch 20:Suppl 10a:1440+, Oct 70 (Ger)
[Verapamil in the treatment of angina pectoris] Sandler G.
Arzneim Forsch 20:Suppl 9a:1323+, Sep 70 (Ger)
[Verapamil in the treatment of patients with coronary insufficiency] Savenkov PM, et al.
Arzneim Forsch 20:Suppl 9a:1287+, Sep 70 (Ger)
[Progress in the therapy of cardiac arrhythmias with special consideration of verapamil] Schmidt-Voigt J.
Arzneim Forsch 20:Suppl 9a:1325+, Sep 70 (Ger)
[Clinical study of verampamil in the treatment of patients with chronic coronary insufficiency] Schvacabaja IK, et al.
Arzneim Forsch 20:Suppl 9a:1478+, Sep 70 (Ger)
[Behavior of the microcirculation in the experimental treatment of coronary insufficiency with verapamil and the clinical use of verapamil in revascularization of the heart] Svecov IM, et al.
Arzneim Forsch 20:Suppl 9a:1328+, Sep 70 (Ger)
[Clinical aspects and therapy of the pseudo-Foster-Kennedy syndrome] Hilsdorf C.
Ber Dtsch Ophthalmol Ges 70:448-52, 1970 (Ger)
[Experience with Cosaldon retard in double blind studies] Dreyer H, et al.
Dtsch Med J 20:356-8, 27 May 69 (Ger)
[Effect of an intra-arterially infused vasodilator (ATP) on the calf blood supply in dependence on dosage and severity of the blood circulation disorder] Grüntzig A, et al.
Dtsch Med Wochenschr 96:1363-6, 27 Aug 71 (Ger)
[Use of beta adrenergic substances in the therapy of severe gestoses without endangering the child] Vahrson H, et al.
Geburtshilfe Frauenheilkd 31:536-45, Jun 71 (Ger)
[Conservative treatment and prevention of arteriosclerosis] Schmid HJ.
Helv Chir Acta 38:73-7, Apr 71 (Ger)
[Internal treatment of chronic venous insufficiency. Clinico-pharmacological studies] Tronnier H.
Munch Med Wochenschr 110:2303-7, 4 Oct 68 (Ger)
[Angiotics. 48. I. Hypertensive agents. II. Hypotensive agents. 3. Vasodilator agents. IV. Agents for the treatment of lipid metabolism disorders] Selchau M.
Pharm Prax 9:200-16 contd, 1970 (95 ref.) (Ger)
[Studies on the pharmaceutical activation of coronary reserves in heart diseases] Hilger HH, et al.
Verh Dtsch Ges Kreislaufforsch 36:224-9, 1970 (Ger)
[Experiences with the coronary drug carduben] Thönelt K.
Z Allgemeinmed 46:1618-21, 20 Nov 70 (Ger)
[Antiarrthythmic effect of iproveratril] Fehér L, et al.
Z Gesamte Inn Med 26:202-4, 15 Mar 71 (Ger)
[Use of the beta-receptor blockader Iproveratril in the therapy of thyreotoxic crisis] Fehér L, et al.
Z Gesamte Inn Med 25:842-4, 15 Jul 70 (Ger)
[Antiarrhythmic effect of iproveratril] Fehér L, et al.
Z Gesamte Inn Med 26:202-4, 15 Mar 71 (Ger)
[Comparative studies on the therapeutic results in sudden deafness] Ganz H, et al.
Z Laryngol Rhinol Otol 50:454-66, Jun 71 (Ger)
[Treatment of threatened abortion and premature labor with Duvadilan] Neumann H, et al.
Zentralbl Gynaekol 92:1100-8, 22 Aug 70 (Ger)
[Value of drugs acting on the smooth musculature by direct and indirect routes in therapy of vascular diseases] Labò G, et al.
Cardiol Prat 22:1-9, Feb 71 (Ita)
[Long-term controlled clinical trial of a new anti-anginal drug] Belli C, et al.
Clin Ter 56:345-64, 15 Feb 71 (Ita)
[Use of a benziodarone, a coronary vasodilator, in the treatment of ambulatory coronary patients] Parenti B, et al. Clin Ter 48:157-70, 31 Jan 69 (Ita)
[Treatment of cerebral vascular insufficiency syndromes in old age. Controlled research by double blind technic] Mars G, et al.
G Gerontol 18:153-76, Mar 70 (Ita)
[Therapeutic combination of fibrinolytics and vasodilators in cerebral thrombosis] Puleo F.
G Gerontol 17:1173-8, Dec 69 (Ita)
[Comparative evaluation of the action of 2 vasodilator drugs. Capillaroscopic study] Fuga GC, et al.
G Ital Dermatol 46:259-81, Jun 71 (Ita)
[Objective evaluation of the therapeutic activity of iproveratril] Cherchi A, et al.
Minerva Cardioangiol 19:123-32, Mar 71 (Ita)
[Correlations between reactive hyperemia and response to vasodilator agents in patients with obliterating arteriopathies of the lower limbs] Dabizzi RP, et al. Minerva Cardioangiol 18:287-90, May 70 (Ita)
[Phonoangiographic demonstration of the effect of various vasodilators on patients with peripheral obliterans arteriosclerosis] Meciani L, et al.
Minerva Cardioangiol 17:942-7, Nov 69 (Ita)
[The use of sympatholytics (hydergine) in association with other drugs in the prevention and treatment of post-operative acute renal insufficiency] Morra A, et al. Minerva Chir 25:1600-6, 15 Dec 70 (Ita)
[Clinical trials of the effect of verapamil in subjects with angina pectoris] De Liperi E, et al.
Minerva Med 61:5562-73, 5 Dec 70 (Ita)
[On the effect of nicotinyl alcohol, alone or associated with other drugs, in the treatment of radicular syndromes not due to mechanical compression] Cuscani R, et al.
Minerva Ortop 20:347-50, Jul-Aug 69 (Ita)
[Treatment of acute arterial and venous obstructions] Nicolosi G.
Recent Progr Med (Roma) 48:503-28, Jun 70 (Ita)
[Methods o clinical evaluation of therapeutic agents for the treatment of angina pectoris] Mabuchi G.
Nippon Ika Daigaku Zasshi 37:343-58, 1970 (Jap)
[Clinical trial with Lidoflazine (R-7.904) in coronary insufficiency] Maciel LR, et al.
Rev Paul Med 76:89-92, Sep 70 (Por)
[Drug therapy of atherosclerosis] Negoiță Cl.
Med Interna (Bucur) 23:325-33, Mar 71 (Rum)
[Use of ditrimine in angina pectoris] Britov AN, et al.
Kardiologiia 10:92-6, Nov 70 (Rus)
[First-aid employment of intensain in acute myocardial infarction] Lokshina PL.
Kardiologiia 10:34-7, Dec 70 (Rus)
[Isoptin treatment of patients with various forms of chronic coronary insufficiency] Shkhvatsabaia IK, et al. Kardiologiia 10:28-32, Aug 70 (Rus)
[Intensain treatment of acute coronary insufficiency] Votchal BE, et al. Kardiologiia 10:29-34, Dec 70 (Rus)
[Naphthydrofuryl in vascular pathology] Mendoza Peña I, et al.
Prensa Med Argent 57:1782-7, 20 Nov 70 (Spa)
[Use of vasodilator agents in the treatment of shock] Marqués Sala R.
Rev Esp Anestesiol Reanim 17:717-20, Oct 70 (Spa)

URINE

Plasma concentrations and urinary excretion of isosorbide dinitrate and its metabolites in the dog. Sisenwine SF, et al.
J Pharmacol Exp Ther 176:296-301, Feb 71

VASOMOTOR SYSTEM (A7, A8)

Nervous and myogenic mechanisms in the control of a vascular neuroeffector system. Ljung B.
Acta Physiol Scand Suppl 349:33+, 1970
Factors governing cutaneous vasoconstriction during hemorrhage. Bond RF, et al.
Am J Physiol 219:1210-5, Nov 70
Vasoactive substances in Kaposi's sarcoma. Bhana D, et al. Cancer 27:233-7, Jan 71
Adrenergic nerve terminals in collateral arteries of the lower extremity. Eriksson I.
Scand J Thorac Cardiovasc Surg 4:225-9, 1970
Noradrenergic mediation of experimental cerebrovascular spasm. Fraser RA, et al.
Trans Am Neurol Assoc 95:21-6, 1970
[Nosology of functional or dystonic vascular acrosyndromes] Merlen JF.
Lille Med 13:279-86, Mar 68 (Fre)
[Elaboration of conditioned vasodilating reflexes in man] Fikhtel' K. Fiziol Zh SSSR 56:610-7, Apr 70 (Rus)
[Radioisotope diagnosis of the vaso-activity of antituberculear drugs] Vinnik LA, et al.
Probl Tuberk 48:74-5, 1970 (Rus)

DRUG EFFECTS

Responses in the microcirculation of the conjuctiva to systemic administration of papaverine HCl. Heck AF, et al. Angiology 22:408-20, Jul 71
Cerebral circulation. Effects of vasodilating drugs on blood flow and the microvasculature of ischemic and nonischemic cerebral cortex. Regli F, et al.
Arch Neurol 24:467-74, May 71
Actions of the nitrites on the peripheral circulation and myocardial oxygen consumption: significance in the relief of angina pectoris. Mason DT, et al.
Chest 59:296-305, Mar 71 (47 ref.)
Effects of acute digitalization on the pulmonary blood volume in patients with heart disease. Murphy GW, et al. Circulation 43:145-53, Jan 71
Central vasomotor stimulation by angiotensin. Ferrario CM, et al. Clin Sci 39:239-45, Aug 70
The site of cardiovascular action of angiotensin II in the brain. Joy MD, et al. Clin Sci 39:327-36, Aug 70
Effect of polymethylene-bis-lepidine dibromides on blood pressure and peripheral vessel tonus. Krustev A, et al. Dokl Bolg Akad Nauk 22:963-6, 1969
Simulated alpha-blockade due to inhibition of release of nor-epinephrine by a beta-blocking agent Ko 592. Redisch W, et al.
J Cardiovasc Surg (Torino) 11:141-5, Mar-Apr 70
Vasodilatory effects of tetrodotoxin in the cat. Kao CY, et al. J Pharmacol Exp Ther 178:110-21, Jul 71
Response of dog's femoral artery strips to vasoactive substances. Gerová M, et al.
Physiol Bohemoslov 19:217-21, 1970
Effects of acetylcholine and carbachol on the blood vessels of the frog. Gambhir SS, et al.
Q J Exp Physiol 55:313-9, Oct 70
Use of in vivo magnification renal arteriography to study cadmium effects on vasoactive responses. Thind GS, et al. Radiology 99:279-86, May 71
[Effect of glyvenol on vasomotor reactions in postphlebitic syndromes and varicose complexes] Horáková-Nedvídková M, et al.
Cesk Dermatol 45:269-74, Dec 70 (Cze)
[Effect of sympathomimetics on the vasomotor centers] Schmitt H, et al.
Arch Int Pharmacodyn Ther 190:229-40, Apr 71 (Fre)
[Action of 2-(2,6-dichlorophenylamino)-2-imidazoline (St 155, Catapresan) on some cardiovascular reflexes in rabbits] Gut JP, et al.
C R Soc Biol (Paris) 164:880-3, 1970 (Fre)
[Effects of ergot alkaloids on the vasomotor centers and their inhibition by clonidine] Schmitt H, et al.
C R Soc Biol (Paris) 164:1006-9, 1970 (Fre)
[Pharmacodynamic study of stenocardia of effort. V. Effect of theophylline-ethylenediamine] Moscatello B, et al. Boll Soc Ital Cardiol 15:258-66, 1970 (Ita)
[Pharmacodynamic study of stenocardia of effort. IV. Effect of papaverine] Moscatello B, et al.
Boll Soc Ital Cardiol 15:248-57, 1970 (Ita)
[Pharmacodynamic study of stenocardia of effort. II. Effect of sodium nitrite] Sangiorgi M, et al.
Boll Soc Ital Cardiol 15:200-25, 1970 (Ita)
[Pharmacodynamic study of stenocardia of effort. 3. Effect of nicotinic acid] Sangiorgi M, et al.
Boll Soc Ital Cardiol 15:226-47, 1970 (Ita)
[Vasomotor reactions in immunosympathectomized mice] Bol'shakova TD, et al.
Fiziol Zh SSSR 56:906-15, 1970 (Rus)
[Mechanism of the vasodilator effect of lactic acid] Kulagina VP, et al. Kardiologiia 10:132-6, Sep 70 (Rus)
[Interrelations between main hemodynamic parameters and regional vascular resistance when introducing adrenaline] Tsirul'nikov VA.
Fiziol Zh 16:484-9, Jul-Aug 70 (Ukr)

INNERVATION

Vasodepressor reflex from lung inflation in the rabbit. Ott NT, et al. Am J Physiol 221:889-95, Sep 71
Central neural pathways mediating active sympathetic muscle vasodilation in cats. Schramm LP, et al. Am J Physiol 221:754-67, Sep 71
Active muscle vasodilation in primates homologous with sympathetic vasodilation in carnivores. Schramm LP, et al. Am J Physiol 221:768-77, Sep 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PATHOLOGY

Ultrastructural changes in the nerves innervating the cerebral artery after sympathectomy. Iwayama T. Z Zellforsch Mikrosk Anat 109:465-80, 1970

PHYSIOLOGY

Spatial summations of vasomotor reflexes. Such G. Acta Physiol Acad Sci Hung 37:215-32, 1970
Loci of neurogenic and metabolic effects on precapillary vessels of skeletal muscle. Folkow B, et al. Acta Physiol Scand 81:459-71, Apr 71
Cerebellar suppression of the autonomic components of the defence reaction. Lisander B, et al. Acta Physiol Scand 81:84-95, Jan 71
Carotid sinus nerve stimulation. Brest AN. Am J Cardiol 26:328-9, Sep 70
Control of pulmonary and systemic vasomotor tone in the fetus and neonate. Assali NS, et al. Am J Obstet Gynecol 108:761-72, 1 Nov 70
Competition between vasoconstrictor and vasodilator mechanisms in skeletal muscle. Costin JC, et al. Am J Physiol 220:462-6, Feb 71
Drug-evoked neural responses in the canine renal vascular bed. DiSalvo J, et al. Am J Physiol 220:1586-92, Jun 71
Effects of a myocardial depressant factor on isolated vascular smooth muscle. Glucksman EE, et al. Am J Physiol 220:1581-5, Jun 71
Vasomotor regulation during sleep in the cat. Mancia G, et al. Am J Physiol 220:1086-93, Apr 71
Adrenergic mechanisms in canine mesenteric circulation. Swan KG, et al. Am J Physiol 220:1779-85, Jun 71
Hemodynamic characteristics of histaminergic vasodilatation in the pyramidal cat. Tuttle RS, et al. Am J Physiol 220:337-46, Feb 71
Differences in the vascular hunting reaction between Caucasians and Japanese. Hirai K, et al. Angiology 21:502-10, Sep 70
Renal vasomotor responses in the agonal period. Keaveny TV, et al. Angiology 22:77-85, Feb 71
Angiographic demonstration of pulmonary venomotor reactions in the intact dog. Quiroz AC, et al. Angiology 21:724-7, Dec 70
Control of portal blood flow--humoral mechanisms. Hutchin P, et al. Ann Surg 173:78-84, Jan 71
Effect of cooling on beta-receptor mechanisms in isolated saphenous veins of the dog. Vanhoutte PM, et al. Arch Int Pharmacodyn Ther 185:208, May 70
Circulating beta adrenergic stimulator during elevated cerebrospinal fluid pressure. Brashear RE, et al. Arch Intern Med 127:748-53, Apr 71
Cerebral cortical blood flow. Variable effects of hypoxia in the dog. Fujishima M, et al. Arch Neurol 25:160-7, Aug 71
Contractile response and amine receptor mechanisms in isolated middle cerebral artery of the cat. Nielsen KC, et al. Brain Res 27:33-42, 19 Mar 71
Vasomotion and contraction in the perfused mesenteric-portal vein: effect of drugs and altered perfusion pressure. Rhodes HJ, et al. Can J Physiol Pharmacol 49:615-8, Jun 71
Effects of altered smooth muscle tone on aortic diameter and aortic baroreceptor activity in anesthetized rabbits. Aars H. Circ Res 28:254-62, Feb 71
A relationship among arterial wall acid mucopolysaccharides, cation binding, and arterial reactivity. Harris GS. Circ Res 27:Suppl 2:91-7, Oct 70
Local regulation of vascular cross section during changes in femoral arterial blood flow in dogs. Lie M, et al. Circ Res 27:727-37, Nov 70
The burden of the resistance vessels. Rodbard S. Circ Res 28:Suppl 1:2-8, Jan 71
Constriction of arteries at high transmural pressures. Speden RN, et al. Circ Res 27:Suppl 2:99+, Oct 70
Effects of carotid sinus nerve stimulation on blood-flow distribution in conscious dogs at rest and during exercise. Vatner SF, et al. Circ Res 27:495-503, Oct 70
Contribution of hypercapnia and hypoxia to the vascular response to ischaemia. Kontos HA, et al. Clin Sci 39:203-22, Aug 70
Evoked splanchnic potentials produced by electrical stimulation of medullary vasomotor regions. Gootman PM, et al. Exp Brain Res 13:1-14, 26 Jul 71
Autoregulatory escape in the gut. Shanbour LL, et al. Gastroenterology 60:145-8, Jan 71
Vasoconstriction produced in the iris-ciliary body of the cat eye by stimulation of local ganglion-like receptors. Macri FJ. Invest Ophthalmol 10:581-8, Aug 71
Beta-mediated vasoconstrictor and vasodilator responses in the canine mesenteric and hepatic circulation. Kelso AF, et al. J Am Osteopath Assoc 70:1089-91, Jun 71
Louisa Burns Memorial Symposium: Autonomic control of vasomotion, sweating, and skin temperature in humans. Kelso AF. J Am Osteopath Assoc 70:1025-46, Jun 71
Venomotor responses to local and remote thermal stimuli to skin in exercising man. Rowell LB, et al. J Appl Physiol 30:72-7, Jan 71
Venomotor responses to rapid changes in skin temperature in exercising man. Rowell LB, et al. J Appl Physiol 30:64-71, Jan 71
Functional control of intrapulpal vasculature. I. Relationship of tooth pulp and lateral nasal artery pressures. Weiss RC, et al. J Dent Res 49:Suppl:1407-13, Nov-Dec 70
Cognitive processes in the differential trace conditioning of electrodermal and vasomotor activity. Baer PE, et al. J Exp Psychol 84:176-8, Apr 70
Effects of intensity and the signal value of stimuli on the orienting and defensive responses. Cohen MJ, et al. J Exp Psychol 88:286-8, May 71
Potentiation of adrenergic venomotor responses by angiotensin, prostaglandin F 2 and cocaine. Kadowitz PJ, et al. J Pharmacol Exp Ther 176:167-73, Jan 71
Effects of graded pulsatile pressure on the reflex vasomotor responses elicited by changes of mean pressure in the perfused carotid sinus-aortic arch regions of the dog. Angell James JE, et al. J Physiol (Lond) 214:51-64, Apr 71
Metabolic, respiratory and vasomotor responses to heating the scrotum of the ram. Hales JR, et al. J Physiol (Lond) 212:353-75, Jan 71
Inorganic phosphate--a new candidate for mediator of functional vasodilatation in skeletal muscle. Hilton SM, et al. J Physiol (Lond) 208:29P-30P, Feb 70
Comparison of the reflex vasomotor responses to separate and combined stimulation of the carotid sinus and aortic arch baroreceptors by pulsatile and non-pulsatile pressures in the dog. James JE, et al. J Physiol (Lond) 209:257-93, Aug 70
Reflex vasomotor responses elicited from the carotid sinus and aortic arch baroreceptors: comparison of pulsatile and non-pulsatile pressures. James JE, et al. J Physiol (Lond) 209:Suppl:22P+, Jul 70
Modification by glucagon of the splanchnic vascular responses to activation of the sympathicoadrenal system. Kock NG, et al. J Surg Res 11:12-7, Jan 71
Effect of ganglionic blockade on the responses of coronary blood flow to cardiac sympathetic stimulation in the dog. Takenaka F, et al. Jap Heart J 12:169-76, Mar 71
Specific appearance of sympathetic cholinergic vasodilatation in muscles during conditioned movements. Ellison GD, et al. Nature (Lond) 232:124-5, 9 Jul 71
Vasodilator nerve fibres to the submaxillary gland of the cat. Karpinski E, et al. Nature (Lond) 232:122-4, 9 Jul 71
Pre- and postjunctional supersensitivity of the mesenteric artery preparation from normotensive and hypertensive rats. Haeusler G, et al. Naunyn Schmiedebergs Arch Pharmakol 266:18-33, 1970
Beta adrenergic receptor activity in peripheral vascular beds of the unanesthetized dog. Granata L, et al. Pfluegers Arch 320:64-78, 1970
Spinal mediation of vasomotor reflexes in animals with intact brain studied by electrophysiological methods. Khayutin VM, et al. Pfluegers Arch 321:197-222, 1970
Autonomic responses to affective visual stimulation. Hare R, et al. Psychophysiology 7:408-17, Nov 70
Variability in measurement of venous tone reactions with the occluded limb technique. Delius W. Scand J Clin Lab Invest 27:207-12, May 71
Carotid sinus nerve stimulation: studies on the mechanism of the hypotensive response. Drews JA, et al. Vasc Surg 2:78-87, Jun 68
[Role of sympathetic vasomotor tonus in the renal vasoconstrictive action of angiotensin] Rieu M, et al. C R Soc Biol (Paris) 164:247-51, 25 Sep 70 (Fre)
[Reflex action of different types of splanchnic nerve afferent fibers on the blood pressure] Franc Z, et al. J Physiol (Paris) 62:Suppl 3:375, 1970 (Fre)
[Study of local cutaneous thermal regulation in man by the thermoconvectance method. Demonstration of a cooperative histamino-bradykinic mechanism] Gautherie M. J Physiol (Paris) 63:41-76, Jan-Feb 71 (Fre)
[Vasomotor response relative to variations of frequency and duration of equiquantal stimulation] Gero J, et al. J Physiol (Paris) 62:Suppl 3:383, 1970 (Fre)
[On some vasodilatation in the neural mechanism studied on the rabbit ear] Parrot JL, et al. J Physiol (Paris) 61:185-90, May-Jun 69 (Fre)
[Effect of vasomotor innervation on the pulmonary blood mass in dogs] Paulet G, et al. J Physiol (Paris) 1:Suppl 1:160-1, 1969 (Fre)
[Research on the determinism of vasomotor reactions in chickens after vagal stimulation] Ripplinger J, et al. J Physiol (Paris) 62:Suppl 3:436-7, 1970 (Fre)
[The nervous control of peripheral venous constriction at the beginning of exercise. Comparative study in normal man and in paraplegia due to section of the dorsal spinal cord] Bidart Y, et al. Pathol Biol (Paris) 19:13-9, Jan 71 (Fre)
[Consensual vascular reactions in swine adapted to cold] Nicheimann M. Arch Exp Veterinaermed 24:801-8, 1970 (Ger)
[Postnatal development of the consensual vascular reaction in swine] Nicheimann M, et al. Arch Exp Veterinaermed 24:997-1006, 1970 (Ger)
[Consensual vascular reactions in the pig. VI. Stimulation of various size skin areas of the hypogastric region with ice-water-perfused thermodes] Nicheimann M, et al. Arch Exp Veterinaermed 24:841-8, 1970 (Ger)
[Paradoxical effect of cold and the consensual vascular reaction in swine] Nicheimann M. Arch Exp Veterinaermed 24:401-5, 1970 (Ger)
[Significance of thermoregulatory blood vessel reactions in heat regulation in the pig] Nicheimann M, et al. Monatsh Vet Med 25:919-27, 1 Dec 70 (Ger)
[Neurogenic vasodilatation caused by sympathomimetics] Oswald W. Naunyn Schmiedebergs Arch Pharmakol 265:67-80, 1969 (Ger)
[Effects of decerebration on the vasomotor sympathetic discharge activity during hypothermia] Passatore M, et al. Boll Soc Ital Biol Sper 46:858-60, 30 Oct 70 (Ita)
[Vasomotor sympathetic discharge activity in hypothermia] Passatore M, et al. Boll Soc Ital Biol Sper 46:855-8, 30 Oct 70 (Ita)
[Role of the vasomotor nervous system in the regulation of pulmonary circulation] Musto P, et al. Minerva Anestesiol 35:683-91, Jul 69 (Ita)
[Cerebral hemodynamics during the elevation of the intracranial pressure, with special reference to the mechanism of the vasopressor response] Maeda S. Brain Nerve (Tokyo) 22:1155-62, Oct 70 (Jap)
[Relations between adrenal cortex hormones and secretion of adrenaline and their effects on vasomotoricity and cerebral and peripheral blood flow in conditions of stimulation of the reticular formation] Tomus L. Fiziol Norm Patol 16:555-64, 1970 (Rum)
[Effectiveness of neurogenic vasoconstriction in relation to the initial radius of the vessels] Rodionov IM. Biofizika 16:526-33, May-Jun 71 (Rus)
[Study of the effectiveness of neurogenic vasoconstrictor factors in relation to the initial vascular radius] Rodionov MM. Biofizika 16:707-13, Jul-Aug 71 (Rus)
[The influence of the cardiac nerves on coronary vessel tonus] Aronova GN, et al. Biull Eksp Biol Med 65:16-20, Apr 68 (Rus)
[The impulse activity of depressor structures of the hypothalamus during reflex reactions in the vascular system] Berzilova OV, et al. Biull Eksp Biol Med 66:6-8, Aug 68 (Rus)
[Reflex changes in the tonus of venous vessels] Bratus' VV, et al. Biull Eksp Biol Med 71:6-8, Jan 71 (Rus)
[The role of descending inhibition n realization of the depressant effect of catecholamines on sympathetic tonus and vasomotor reflex] Butuzov VG. Biull Eksp Biol Med 69:65-9, Mar 70 (Rus)
[Hypothesis concerning the fundamental problem of neural regulation of circulation--maintenance of optimal linear blood flow rate in the capillaries] Khaiutin VM, et al. Biull Eksp Biol Med 63:43-6, Nov 67 (Rus)
[Increase in lactic acid production in resting skeletal muscle in the presence of vasodilating sympathetic influences] Len'kova NA, et al. Biull Eksp Biol Med 66:32-4, 1968 (Rus)
[Exertional hyperemia of skeletal muscle. Parameters of electrical stimulation of a mixed nerve] Manvelian LR, et al. Biull Eksp Biol Med 69:21-3, Apr 70 (Rus)
[The reaction of the vessels of the cat stomach to the action of moisture and cold on the hindlimbs] Sidorenkov OK. Biull Eksp Biol Med 69:36-8, Jun 70 (Rus)
[The effect of electric stimulation of the structures of the medulla oblongata on the cardiovascular, respiratory and motor systems] Smirnov KA. Biull Eksp Biol Med 69:3-5, Jun 70 (Rus)
[Correlations between vasomotor reactions to nerve stimulation and noradrenaline] Udel'nov MG, et al. Biull Eksp Biol Med 69:11-5, Apr 70 (Rus)
[Character of vasomotor responses in relation to the number of stimulated nerve fibers and frequency of impulsation] Udel'nov MG, et al. Biull Eksp Biol Med 72:12-7, Jul 71 (Rus)
[The fragmentary morpho-functional organization of the bulbar vasomotor center] Val'dman AV, et al. Biull Eksp Biol Med 69:15-21, Apr 70 (Rus)
[Generation of the controlling signal in the body temperature regulation system] Ivanov KP, et al. Fiziol Zh SSSR 57:103-10, Jan 71 (Rus)
[Mechanism of dilatation of the pial arteries during lowering of the general arterial pressure] Mchedlishvili GI, et al. Fiziol Zh SSSR 57:240-7, Feb 71 (Rus)
[The mechanism of constrictor coronary reactions following decrease in effective blood volume] Ovsiannikov VI. Fiziol Zh SSSR 56:226-30, Feb 70 (Rus)
[Use of thermography for studying the autoregulatory reactions of the cerebral vessels] Parolla DI, et al. Fiziol Zh SSSR 56:625-31, Apr 70 (Rus)
[Secretion of a cardiostimulating substance of a non-sympathetic nature by the frog heart upon sympathetic nerve stimulation] Putintseva TG, et al. Fiziol Zh SSSR 56:231-6, Feb 70 (Rus)
[Regional reactions of resistant vessels during

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chemoreflexes from different sections of the intestines] Samoflenko AV.
Fiziol Zh SSSR 56:1227-32, Sep 70 (Rus)
[Physiological mechanisms of the switching-on of vascular thermoregulatory reactions in rabbits] Slepchuk NA. Fiziol Zh SSSR 56:1842-7, Dec 70 (Rus)
[The relation between various brain stem structures and the vasomotor center] Smirnov KA.
Fiziol Zh SSSR 56:359-65, Mar 70 (Rus)
[The effect of transection of the brain stem and ablation of the cerebellum on the cardiovascular system] Smirnov KA.
Fiziol Zh SSSR 56:218-25, Feb 70 (Rus)
[Analysis of the functional organization of suprasegmental-spinal connections] Val'dman AV, et al. Fiziol Zh SSSR 56:1386-95, Oct 70 (Rus)
[Active vasodilatation and organ blood supply] Udel'nov MG, et al.
Usp Sovrem Biol 69:460-84, May-Jun 70 (265 ref.) (Rus)
[Some physiological aspects of the study of capacitance vessels] Tkachenko BI.
Vestn Akad Med Nauk SSSR 25:57-68, 1970 (Rus)
[Changes in the sympathico-adrenal system at different stages of fluothane anesthesia] Nugmanov SN, et al. Vopr Onkol 16:85-6, 1970 (Rus)
[Vascular conditioned reflex elaboration in man to change in the intensity of a high frequency electromagnetic field] Plekhanov GF, et al.
Zh Vyssh Nerv Deiat 16:34-7, Jan-Feb 66 (Rus)
[Characteristics of formation of the autonomic component in human speech reactions] Sukhanova NV. Zh Vyssh Nerv Deiat 19:313-8, Mar-Apr 69 (Rus)
[Visceral nervous system] Carmona A.
Rev Med Chil 99:15-28, Jan 71 (Spa)
[Reflex cardiogenic mechanisms regulating vascular tonus] Gorev NN, et al.
Fiziol Zh 16:228-36, Mar-Apr 70 (55 ref.) (Ukr)
[Changes in excitability of vasomotor cerebral center when stimulating mechanoreceptors of the lung lobe vessels] Vodop'ianova MA.
Fiziol Zh 16:312-7, May-Jun 70 (Ukr)

PHYSIOPATHOLOGY

Differential reflex adjustments in cutaneous and muscle vascular beds during experimental coronary artery occlusion. Hanley HG, et al.
Am J Cardiol 27:513-21, May 71
Posttraumatic sympathetic dystrophy. Dissociation of pain and vasomotor changes. Guntheroth WG, et al.
Am J Dis Child 121:511-4, Jun 71
Reflex cardiovascular responses after 36 hr of hypoxia. Heistad DD, et al. Am J Physiol 220:1673-6, Jun 71
Intestinal vasoconstriction after hemorrhage: roles of vasopressin and angiotensin. McNeill JR, et al.
Am J Physiol 219:1342-7, Nov 70
Separation of shock types. Experimental and clinical separation of hypovolemic and septic shock. Knisely MH, et al. Angiology 21:728-44, Dec 70
Vasomotor tone and vascular responses to local cold in primary Raynaud's disease. Lottenbach K.
Angiology 22:4-8, Jan 71
Vascular adjustments during the development of shock. Nickerson M.
Can Med Assoc J 103:853-9, 17 Oct 70
Redistribution of renal blood flow in haemorrhagic hypotension. Role of renal nerves and circulating catecholamines. Truniger B, et al.
Eur J Clin Invest 1:277-80, Jan 71
Pre- and postjunctional supersensitivity of the mesenteric artery preparation from normotensive and hypertensive rats. Haeusler G, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:18-33, 1970
[Relation between the Arthus phenomenon and vascular reactivity of an orthosympathetic nature] Lambotte R, et al.
C R Soc Biol (Paris) 164:1153-7, 1970 (Fre)
[Cutaneous vasomotoricity in paraplegics. Plethysmographic study of 10 patients] Jaeger-Denavit O, et al.
Presse Med 77:1207-9, 26 Jul 69 (Fre)
[The calf-muscle pump. New concepts on the physio-pathology of venous drainage] Netzer CO.
Munch Med Wochenschr 113:1001-6, 2 Jul 71 (Ger)
[Vasopressor effects of angiotensin, noradrenaline and tyramine in patients with pheochromocytoma] Liebau H, et al. Verh Dtsch Ges Inn Med 75:183-6, 1969 (Ger)
[Morphogenetic and functional changes in edema-proteinuria-hypertension pregnancy toxemias. II] Janisch H.
Z Geburtshilfe Gynaekol 174:107-27, 1971 (Ger)
[Study on digital arterial reactivity in a case of Raynaud's disease] Lipparini R, et al.
Arch Patol Clin Med 46:233-50, Aug 70 (Ita)
[On the method used by us to study the vasomotor phenomena during headache attacks] Nattero G, et al.
Boll Soc Ital Biol Sper 45:1323-5, 15 Nov 69 (Ita)
[On data obtained by various methods (including simultaneous dynamography of the ophthalmic and temporal arteries with vertebral and peripheral rheography, adopted by us) in headache attacks] Nattero G, et al.
Boll Soc Ital Biol Sper 45:1325-9, 15 Nov 69 (Ita)
[Regional hemodynamic changes due to section and degenerative lesions of the peripheral nerves. Experimental study with the electromagnetic flowmeter] Berti-Riboli E, et al.
Chir Patol Sper 17:169-82, Aug 69 (Ita)
[Mesenteric blood flow after vagotomy] Butti A, et al.
Chir Patol Sper 17:273-81, Oct 69 (Ita)
[Mechanism of vasodilation of the extremities in the posthypoxic period] Savel'ev NK, et al.
Biull Eksp Biol Med 68:6-9, Nov 69 (Rus)
[Functional significance of the sympathetic vasodilator effect in skeletal muscle] Berdina NA, et al.
Dokl Akad Nauk SSSR 197:1218-21, 1971 (Rus)
[Work capacity and blood supply of skeletal muscles during emotional stress caused by mental calculations] Berdina NA, et al.
Fiziol Zh SSSR 57:546-55, Apr 71 (Rus)
[Characteristics of the peripheral circulation in women after removal of the ovaries] Bogdanova EA, et al.
Sov Med 33:105-10, Oct 70 (Rus)
[Autonomic-vascular disorders in several focal lesions of the hypothalamic region] Kryzhenko TV.
Zh Nevropatol Psikhiatr 70:988-92, 1970 (Rus)

VASOPRESSIN (D7, D8)

Antidiuretic hormone synthesis, release, and action under normal and pathological circumstances. Thorn NA. Adv Metab Disord 4:39-73, 1970 (222 ref.)
Intrarenal distribution of blood flow in diabetes insipidus: role of ADH. Fisher RD, et al.
Am J Physiol 219:1348-58, Nov 70
Intestinal vasoconstriction after hemorrhage: roles of vasopressin and angiotensin. McNeill JR, et al.
Am J Physiol 219:1342-7, Nov 70
Specificity of antibodies to arginine-vasopressin raised with succinylated poly-L-lysine as carrier. Vallotton MB. Experientia 27:326-7, 15 Mar 71
The binding of neurohypophysial hormones in van Dyke protein. Leng CO. J Pharm Pharmacol 22:633-4, Aug 70
[Pharmacological and toxicological studies on the combination of citanest-octapressin] De Biase S.
Ann Stomatol (Roma) 19:791-800, Nov 70 (Ita)
[Protective effect of sodic 3,4,5 trimethoxy-benzoyl-epsilon-amino caproate (C3) in experimental myocardial infarct. 3. Relationship between structure and antipitressin activity in the rat] Greggia A, et al.
Boll Soc Ital Biol Sper 45:1449-50, 30 Nov 69 (Ita)
[Protective effect of sodic 3,4,5 trimethoxy-benzoyl-epsilon-amino caproate (C3) in experimental myocardial infarct. II. Influence of C3 on arrhythmia induced with pitressin] Razzaboni G, et al. Boll Soc Ital Biol Sper 45:1448-9, 30 Nov 69 (Ita)
[Protective action in rats of propranolol injected jointly with aminophylline against electrocardiographic changes induced by pitressin] Setti L, et al.
Boll Soc Ital Biol Sper 45:1226-7, 15 Oct 69 (Ita)
[Vectorcardiogram and spatial velocity electrocardiogram during myocardial ischemia caused by vasopressin] Hiroki T, et al.
Jap J Clin Med 29:371-3, Feb 71 (Jap)

ADMINISTRATION & DOSAGE

Influence of variations in hydration and in solute excretion of the effects of lysine-vasopressin infusion on urinary and renal tissue composition in the conscious rat. Atherton JC, et al.
J Physiol (Lond) 213:311-27, Mar 71
Influence of lysine-vasopressin dosage on the time course of changes in renal tissue and urinary composition in the conscious rat. Atherton JC, et al.
J Physiol (Lond) 213:291-309, Mar 71
The control of gastrointestinal hemorrhage by selective mesenteric arterial infusion of vasopressin. Baum S, et al. Radiology 96:497-505, Mar 71
[Clinical studies with the double blind technic on the use of octapressin combined with cytanest in dentistry] Baratieri A, et al.
Riv Ital Stomatol 25:995-1028, Nov 70 (Ita)

ADVERSE EFFECTS

Development of atopic allergy to synthetic lysine vasopressin in a child suffering from Hand-Schüller-Christian disease. Osváth P, et al.
Allerg Asthma (Leips) 16:97-101, 1970
Postinfarction myocardial hypersensitivity to naturally occurring humoral agents in dogs. Cha HD, et al.
Am J Med Sci 260:95-104, Aug 70
Local anaesthesia and cigarette smoking. Woods R.
Aust Dent J 15:332-3, Aug 70

ANALYSIS

Vasopressin content in the neurohypophysis of rats during overhydration and rehydration. Thorn NA, et al. Acta Physiol Scand 80:3A, Dec 70
Local difference in concentration of vasopressin and monoamines in the equine median eminence. Iwata T, et al. Endocrinol Jap 17:599-604, Dec 70
Pituitary oxytocin and vasopressin content of pregnant rats before, during and after parturition. Fuchs AR, et al. Endocrinology 88:574-8, Mar 71
Arginine and lysine vasopressins in the hippopotamus neurohypophysis. Ferguson DR, et al.
Gen Comp Endocrinol 13:425-9, Dec 69
The effects of substituting solutions of urea, glucose and potassium chloride for drinking water on the neurohypophysial vasopressin content of rats. Dyball RE, et al. J Endocrinol 49:185-6, Jan 71
Conformational studies of oxytocin and lysine vasopressin in aqueous solution using high resolution NMR spectroscopy. Feeney J, et al.
Nature [New Biol] 232:106-10, 28 Jul 71
Neurohypophysial hormones in the pars nervosa of the mouse with hereditary nephrogenic diabetes insipidus. Naik DV, et al.
Neuroendocrinology 7:322-8, 1971
Nuclear magnetic resonance spectrum of lysine-vasopressin and its structural implications. Von Dreele PH, et al.
Proc Natl Acad Sci USA 68:1028-31, May 71

ANTAGONISTS & INHIBITORS

Propranolol-blockade of vasopressin induced increase in plasma progesterone in early human pregnancy. Fylling P. Acta Endocrinol (Kbh) 66:283-8, Feb 71
Some pharmacological properties of a synthetic oxytocin analogue [1-N-carbamoyl-hemicystine-2-O-methyltyrosine]-oxytocin (carbamoyl-methyloxytocin), an antagonist to the neurohypophysial hormones. Bisset GW, et al.
Br J Pharmacol 40:342-60, Oct 70
Inhibition by manganese of the action of antidiuretic hormone on adenyl cyclase in toad bladder. Hynie S, et al. J Endocrinol 50:231-5, Jun 71
Modifications of the responses to antidiuretic hormone by hydrolytic enzymes. Cuthbert AW, et al.
J Pharm Pharmacol 23:262-9, Apr 71
The irrelevance of total body and serum lithium levels in the inhibition of the action of vasopressin by lithium. Harris CA, et al.
J Physiol (Lond) 214:43P-44P, Apr 71
The influence of cyclic 3',5' -AMP on contractile responses induced by vasopressin in isolated rat uterus. Mitznegg P, et al.
Life Sci [I] 10:169-74, 1 Feb 71
Vasopressin inhibition by lithium.
N Engl J Med 284:674-5, 25 Mar 71

BIOSYNTHESIS

The isolation of labelled neurohypophysial hormones from rat neural lobes after an intracisternal injection of [3H] tyrosine. Pickering BT, et al.
J Endocrinol 46:vi, Feb 70

BLOOD

Influence of right and left atrial receptors on plasma concentrations of ADH and renin. Brennan LA Jr, et al. Am J Physiol 221:273-8, Jul 71
Plasma ADH levels following a decrease in mean atrial transmural pressure in dogs. Goetz KL, et al.
Am J Physiol 219:1424-8, Nov 70
ADH levels following nonhypotensive hemorrhage in dogs with chronic mitral stenosis. Zehr JE, et al.
Am J Physiol 221:312-7, Jul 71
Plasma levels of antidiuretic hormone in man during methoxyflurane anaesthesia and surgery. Oyama T, et al. Anaesthesia 25:500-7, Oct 70
Position effect on antidiuretic hormone. Blood levels in bedfast patients. Auger RG, et al.
Arch Neurol 23:513-7, Dec 70
Plasma levels of antidiuretic hormone in man during diethyl ether anaesthesia and surgery. Oyama T, et al.
Can Anaesth Soc J 17:495-503, Sep 70
Hormones released into the circulation when the urinary bladder of the anaesthetized dog is distended. Gilmore NJ, et al. Clin Sci 41:69-83, Jul 71
Effect of hypotension on levels of antidiuretic hormone in plasma in dogs. Murase T, et al.
Endocrinol Jap 18:215-9, Apr 71
Levels of antidiuretic hormone in plasma after hemorrhage and infusion of hypertonic saline in dogs. Saito T, et al. Endocrinology 88:1511-3, Jun 71
Vasopressin-renin-cortisol interrelations. Travis RH, et al. Endocrinology 89:246-53, Jul 71
Anomalous changes in the plasma antidiuretic activity of hydrated dogs after the cessation of intravenous infusion of arginine vasopressin. Plíška V, et al.
Experientia 26:1108-9, 15 Oct 70
Radioimmunoassay of arginine vasopressin in human plasma. Beardwell CG.
J Clin Endocrinol Metab 33:254-60, Aug 71
The concentrations of adrenocorticotrophin, vasopressin and oxytocin in the foetal and maternal plasma of the sheep in the latter half of gestation. Alexander DP, et al. J Endocrinol 49:179-80, Jan 71
The development of a radioimmunoassay and a plasma extraction method for vasopressin. Edwards CR, et al.
J Endocrinol 48:xi-xii, Sep 70
Blood levels of oxytocin and vasopressin during suckling in the rabbit and the problem of their

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

independent release. Bisset GW, et al.
J Physiol (Lond) 206:711-22, Mar 70
Independent release of oxytocin and vasopressin during parturition in the rabbit. Haldar J.
J Physiol (Lond) 206:723-30, Mar 70
Hyperuricemia, a concomitant of congenital vasopressin-resistant diabetes insipidus in the adult. Gorden P, et al. N Engl J Med 284:1057-60, 13 May 71
Immunoassay of plasma vasopressin in man. Robertson GL, et al. Proc Natl Acad Sci USA 66:1298-305, Aug 70
Measurement of plasma and urinary vasopressin by immunoassay. Edwards CR.
Proc R Soc Med 64:842-4, Aug 71
Antidiuretic hormone levels in some cetaceans. Malvin RL, et al. Proc Soc Exp Biol Med 136:1203-5, Apr 71
Evidence for hormonal mediation of the renal response to low-sodium stimulation of the brain. Mouw DR, et al. Proc Soc Exp Biol Med 137:179-82, May 71
The effect of extracorporeal circulation on circulating antidiuretic hormone. Mazzei EA, et al.
Surg Forum 21:92-3, 1970
[Influence of the exertion intensity on the plasma renin and antidiuretic activities in normal humans] Lacour JR, et al.
J Physiol (Paris) 62:Suppl 3:398, 1970 (Fre)
[Changes in the blood vasopressin level following certain balneophysiotherapeutic methods] Modval M, et al. Rev Roum Physiol 6:285-91, 1969 (Fre)
[Studies on the occurrence and significance of vasopressin and oxytocin in cerebrospinal fluid and in blood for nervous functions] Unger H, et al.
Acta Biol Med Ger 25:267-80, 1970 (Ger)
[Demonstration of serum ADH activities in hypophysectomy patients with polyuria and polydipsia and subjects with diabetes insipidus under the influence of an antidiuretically active psychotropic antiepilepticum (5-carbamyl-5-H-dibenzo-(b,f)azepin=Tegretal)] Frahm H, et al.
Verh Dtsch Ges Inn Med 75:777-9, 1969 (Ger)
[Effects of halothane anesthesia and surgical stress on plasma ADH levels] Sato K.
Jap J Anesthesiol 20:418-32, May 71 (Jap)
[Effect of methoxyflurane anesthesia and surgical stress on the concentration of plasma antidiuretic hormone (ADH)] Sato K, et al.
Shujutsu 25:626-33, May 71 (Jap)
[Plasma antidiuretic activity in patients with hypothalamo-pituitary syndromes] Pawlikowski M, et al. Endokrynol Pol 22:133-7, 1971 (Pol)

CEREBROSPINAL FLUID

[Studies on the occurrence and significance of vasopressin and oxytocin in cerebrospinal fluid and in blood for nervous functions] Unger H, et al.
Acta Biol Med Ger 25:267-80, 1970 (Ger)

CHEMICAL SYNTHESIS

Arginine-vasopressin, lysine-vasopressin, and oxytocin, C14-labeled in the glycine residue. Walter R, et al. Experientia 27:645-6, Jun 71
A solid-phase synthesis of (8-arginine)-vasopressin through a crystalline protected nonapeptide intermediate and biological properties of the hormone. Meienhofer J, et al.
J Am Chem Soc 92:7199-202, 2 Dec 70
Solid-phase synthesis with attachment of peptide to resin through an amino acid side chain: (8-lysine)-vasopressin. Meienhofer J, et al.
Proc Natl Acad Sci USA 68:1006-9, May 71

DIAGNOSTIC USE

Use of lysin-vasopressin in the differential diagnosis of cushing's syndrome. Croughs RJ.
Acta Endocrinol (Kbh) 65:595-607, Dec 70
Vasopressin in the diagnostic evaluation of pituitary and hypothalamic function. Toft H, et al.
Acta Endocrinol (Kbh) 67:393-400, Jun 71
Differential diagnosis of Cushing's syndrome by means of lysine-vasopressin. Bethge H, et al.
Acta Endocrinol [Suppl] (Kbh) 152:91, 1971
The response of plasma sugar, free fatty acids, 11-hydroxycorticosteroids and growth hormone to insulin-induced hypoglycaemia and vasopressin in primary myxoedema. Vince FP, et al.
J Endocrinol 48:389-400, Nov 70
Vasopressin test in cases of optic atrophy and optic neuritis. Lundberg PO, et al.
J Neurol Neurosurg Psychiatry 34:7-10, Feb 71
The value of water-loading test in pitressin hydration method as a clinical-electroencephalographic test in epilepsy. Strzyżewski W. Pol Med J 9:996-1003, 1970
[Studies on diabetes insipidus in children. I. Sensitivity to ADH] Balsan S, et al.
Arch Fr Pediatr 28:353-63, Apr 71 (Fre)
[Value of the lysine-vasopressin test in anterior pituitary examination] Mornex R, et al.
Lyon Med 225:437-41, 14 Mar 71 (Fre)
[The lysine 8 vasopressin test. Results in 50 normal children] Rochiccioli P, et al.
Pediatrie 26:5-12, Jan-Feb 71 (Fre)
[Lysine-Vasopressin test for the diagnosis of breast cancer] Bernard-Weil E, et al.
Schweiz Med Wochenschr 101:848-50, 12 Jun 71 (Fre)
[Evaluation of the function of the hypothalamus-hypophysis-adrenal gland system in obese children by means of the metopyrone and the lysine-8-vasopressin tests] Galli V, et al.
Clin Pediatr (Bologna) 51:78-85, Feb 69 (Ita)
[Vasopressin test] Yoshida S.
Jap J Clin Med 28:2738-40, Dec 70 (Jap)
[Response of plasma cortisol to lysine-vasopressin administration. Comparative study with other hypothalamo-pituitary-adrenal function tests] Gonzalez Barcena D, et al.
Prensa Med Mex 35:213-7, May-Jun 70 (Spa)

ISOLATION & PURIFICATION

Some metabolites of specifically tritium labelled lysine-vasopressin: identification by thin-layer chromatography and determination by the liquid scintillation technique. Plíška V, et al.
Acta Endocrinol (Kbh) 67:1-11, May 71
Isolation of radioactive oxytocin and vasopressin from the posterior pituitary gland of the rat after the injection of labelled tyrosine into the cerebrospinal fluid. Pickering BT, et al.
J Endocrinol 49:93-103, Jan 71

METABOLISM

In vitro uptake and breakdown of tritiated lysine-vasopressin by bovine neurohypophyseal and cortical tissue. Plíška V, et al.
Acta Endocrinol (Kbh) 67:12-22, May 71
Uptake of tritiated lysine-vasopressin by bovine neurosecretory granules. Vilhardt H.
Acta Endocrinol [Suppl] (Kbh) 155:35, 1971
Injections of carbachol into the third ventricle and release of oxytocin and vasopressin in the lactating rat. Kühn ER, et al.
Arch Int Pharmacodyn Ther 186:192-3, Jul 70
"Essential" hypernatremia due to ineffective osmotic and intact volume regulation of vasopressin secretion. DeRubertis FR, et al. J Clin Invest 50:97-111, Jan 71
The uptake of tritiated lysine vasopressin by rat and pig pituitary neural lobes in vitro. Edwards BA.
J Endocrinol 50:669-77, Aug 71
Excretion of antidiuretic activity in the urine of cats and rats after administration of the synthetic hormonogen, N alpha-glycyl-glycyl-glycyl-[8-lysine]-vasopressin (triglycylvasopressin). Kynčl J, et al.
J Endocrinol 48:157-65, Oct 70
Patterns of anti-diuretic function in diabetes insipidus caused by histiocytosis X. Heibock H, et al.
J Lab Clin Med 73:194-202, Aug 71
The secretion and clearance of vasopressin during the development of irreversible haemorrhagic shock. Errington ML, et al.
J Physiol (Lond) 217:43P-45P, Aug 71
Rapid transport of neurohypophysial hormones in the hypothalamoneurohypophysial tract. Jones CW, et al.
J Physiol (Lond) 208:73P-74P, Jun 70
[The syndrome of the inadequate secretion of ADH (SIADH)] Seybold D.
Internist (Berlin) 12:102-3, Mar 71 (9 ref.) (Ger)
[Absorption of hormones and vitamins by the capillaries of the mucous membrane and the skin. Clinical use] Whitaker JG.
Rev Bras Med 27:441-4, Sep 70 (Por)
[Biological determination of antidiuretic activity in the tissues of the hypothalamo-hypophyseal system of the human embryo and in the placenta] Levina SE, et al.
Biull Eksp Biol Med 65:81-2, 1968 (Rus)

PHARMACODYNAMICS

Hemodynamic effects of vasopressin. An experimental study in normovolemic and hypovolemic anesthetized dogs. Ericsson BF.
Acta Chir Scand Suppl 414:1-29, 1971
Suppression of uterine activity during menstruation by expansion of the plasma volume. Fuchs AR, et al.
Acta Endocrinol (Kbh) 66:183-92, Jan 71
Vasopressin-induced increase in peripheral plasma progesterone levels during early human pregnancy. Fylling P. Acta Endocrinol (Kbh) 66:273-82, Feb 71
Effect of vasopressin (ADH), aldosterone, norepinephrine (NE), angiotensin I (AI) and II (AII) on renin release (RR) by human kidney (HK) slices in vitro. Rosset E, et al.
Acta Endocrinol [Suppl] (Kbh) 155:179, 1971
Effect of progesterone upon the in vivo response of the human myometrium to oxytocin and vasopressin. Non pregnant state. Bengtsson LP.
Acta Obstet Gynecol Scand [Suppl] 6:19-25, 1970
Effects of fixation on vasopressin-induced formation of intercellular spaces in the toad urinary bladder. Croker BP Jr, et al. Am J Pathol 63:371-92, May 71
Effect of vasopressin on electrical resistance of renal cortical collecting tubules. Helman SI, et al.
Am J Physiol 220:1825-32, Jun 71
Effects of aldosterone and vasopressin on electrolytes of toad bladder epithelial cells. Lipton P, et al.
Am J Physiol 221:733-41, Sep 71
Natriuretic effects of vasopressin and cyclic AMP: possible site of action in the nephron. Martinez-Maldonado M, et al.
Am J Physiol 220:2013-20, Jun 71
Effect of inhibitors of sodium transport on response of toad bladder to ADH and cyclic AMP. Mendoza SA, et al. Am J Physiol 219:1440-5, Nov 70
Inhibition of renin secretion by vasopressin in unanesthetized sodium-deprived dogs. Tagawa H, et al. Am J Physiol 220:949-51, Apr 71
Morphology of renal medulla in water diuresis and vasopressin-induced antidiuresis. Tisher CC, et al.
Am J Physiol 220:87-94, Jan 71
Lipolytic action of lysine-vasopressin in the adipose tissue of the reserpinized rat. Yano S, et al.
Arch Int Pharmacodyn Ther 188:204-8, Nov 70
Ornithine vasopressin (POR 8) as a cutaneous vasoconstrictor. McCaffrey J.
Aust NZ J Surg 40:198-9, Nov 70
Role of adenosine 3':5'-cyclic monophosphate in the attion of octapeptide hormones. Wright DW, et al.
Biochem J 120:10P-11P, Dec 70
Enhancement of vasopressin-induced water loss in toad bladder by certain phospholipids. Borowitz JL.
Biochem Pharmacol 19:515-24, Feb 70
Adenyl cyclase in the toad bladder. Hynie S, et al.
Biochim Biophys Acta 230:40-51, 26 Jan 71
Vasopressin: evidence for the cellular site of the induced permeability change. Macknight AD, et al.
Biochim Biophys Acta 222:560-3, 24 Nov 70
Antidiuretic and hypoglycaemic activity. Knell AJ.
Br Med J 1:606, 13 Mar 71
The effect of dehydration and intravenous infusion of vasopressin on milk secretion in the goat. Konar A, et al. Br Vet J 126:Suppl:25-8, Jul 70
The effect of vasopressin on the reabsorption of sodium, potassium and urea by the renal tubules in man. Barraclough MA, et al. Clin Sci 39:517-27, Oct 70
Effect of vasopressin on the renal excretion of phosphate in man. Eisinger AJ, et al.
Clin Sci 39:687-92, Nov 70
The effects of prolonged administration of vasopressin and oxytocin on renin, aldosterone and sodium balance in normal man. Goodwin FJ, et al.
Clin Sci 39:641-51, Nov 70
Potentiation by vasopressin of corticotropin release induced by corticotropin-releasing factor. Yates FE, et al. Endocrinology 88:3-15, Jan 71
What is the mechanism of vasopressin in causing corticotropin release? Franzén G.
Endokrinologie 57:338-42, 1971
Influence of magnesium and cysteine on vasopressin-induced contractions in various canine blood vessels. Altura BM.
Experientia 26:1089-90, 15 Oct 70
The effects of delta-amino-laevulinic acid on sodium and water movement across frog skin. Eales L, et al.
Experientia 27:276-7, 15 Mar 71
Anomalous changes in the plasma antidiuretic activity of hydrated dogs after the cessation of intravenous infusion of arginine vasopressin. Plíška V, et al.
Experientia 26:1108-9, 15 Oct 70
Sensitivity of male rats of different strains to vasopressi. Kar K, et al.
Indian J Exp Biol 8:194-7, Jul 70
Effect of antidiuretic hormone (ADH) and angiotensin on the urine flow of rats during negative pressure respiration induced diuresis. Chaudhury RR, et al.
Indian J Med Res 58:740-5, Jun 70
Effect of posterior pituitary extracts and stimulation of midbrain reticular formation on ACTH in rats with hypothalamic lesion. Sen RN, et al.
Indian J Physiol Pharmacol 14:1-10, Jan 70
Direct observation of toad bladder response to vasopressin. Grantham J, et al.
J Cell Biol 48:695-9, Mar 71
The possible mediation by cyclic AMP of the stimulation of thymocyte proliferation by vasopressin and the inhibition of this mitogenic action by thyrocalcitonin. Whitfield JF, et al.
J Cell Physiol 76:65-76, Aug 70
Activation energy for water diffusion across the toad bladder: evidence against the pore enlargement hypothesis. Hays RM, et al.
J Clin Invest 50:1016-8, May 71
Factors influencing the effect of lysine-vasopressin infusion on renal medullary osmolality in conscious rats. Atherton JC, et al. J Endocrinol 48:x-xi, Sep 70
Demonstration of circulating antibodies to neurophysin in patients treated with pitressin. Martin MJ. J Endocrinol 49:553-4, Mar 71
Effects of vasopressin, cyclic AMP, and theophylline on oxygen consumption of toad bladder "sacs". Parisi M, et al. J Endocrinol 48:117-24, Sep 70
Preservation of a conditioned avoidance response by lysine vasopressin. Wied D de.
J Endocrinol 48:xiv-xivi, Dec 70
Respiratory effects of octapeptide hormones on the isolated toad bladder and frog skin. Wright DW, et al.
J Endocrinol 48:xivi, Dec 70
The kinetics of sodium transport in the toad bladder. II.

Dual effects of vasopressin. Finn AL.
J Gen Physiol 57:349-62, Mar 71
The effect of ADH on eccrine sweating in the rat. Quatrale RP, et al. J Invest Dermatol 55:344-9, Nov 70
Effects of prolonged administration of vasopressin on plasma sodium and on renal excretion of electrolytes and water. Chan WY.
J Pharmacol Exp Ther 178:141-51, Jul 71
Renal response to aminophylline in relation to hydration and exogenous vasopressin. Nechay BR.
J Pharmacol Exp Ther 176:377-82, Feb 71
The effect of antidiuretic hormone on the rate of sweat production in man. Allen JA, et al.
J Physiol (Lond) 212:37P-38P, Jan 71
Influence of saline diuresis on urinary and renal medullary responses to lysine vasopressin infusion in the rat. Atherton JC, et al.
J Physiol (Lond) 209:Suppl:27P+, Jul 70
Effects of lysine-vasopressin dosage on renal tissue and urinary composition in the conscious, water diuretic rat. Atherton JC, et al.
J Physiol (Lond) 206:68P-69P, Jun 70
The rapid effects of lysine-vasopressin clearance on renal tissue composition in the conscious water-diuretic rat. Atherton JC, et al.
J Physiol (Lond) 215:42P-43P, May 71
The effect of antidiuretic hormone on Na movement across frog skin. Cereijido M, et al.
J Physiol (Lond) 213:119-33, Feb 71
Intrarenal blood flow distribution in the rat, and the effect of angiotensin, noradrenaline and vasopressin. Finberg JP, et al.
J Physiol (Lond) 209:Suppl:21P+, Jul 70
Sodium and urea concentrations in renal papillary fluid of rats, with dehydration and vasopressin (Pitressin) administration. Lee J, et al.
J Physiol (Lond) 215:41P-42P, May 71
The effect of intravenously administered synthetic lysine-vasopressin (L.V.P.) on serum cortisol in chronic schizophrenic patients. Franzén G.
J Psychosom Res 15:361-5, Sep 71
Simulation of the renal effects of antidiuretic hormone (ADH) in man. DeHaven JC, et al.
J Theor Biol 32:261-86, Aug 70
Antagonizing substances obtained from whale heart extract to vasopressin induced myocardial hypoxia. Hiramatsu Y, et al. Jap J Pharmacol 20:313-24, Sep 70
Effect of inosine on adrenaline and vasopressin induced myocardial hypoxia. Hiramatsu Y, et al.
Jap J Pharmacol 21:355-60, Jun 71
Simultaneous measurement of the effect of vasopressin on sodium and water transport across toad bladder. Wright DW, et al.
Life Sci [I] 10:301-8, 15 Mar 71
A comparison of response of serum growth hormone to glucagon and vasopressin. Sawin CT, et al.
Metabolism 19:898-903, Oct 70
Long term effect of vasopressin on the maintenance of a conditioned avoidance response in rats. De Wied D.
Nature (Lond) 232:58-60, 2 Jul 71
Vasopressin-evoked ACTH release in rats following forebrain removal. Dunn J, et al.
Proc Soc Exp Biol Med 136:1284-8, Apr 71
Renal vascular response to plasma and to known vasoactive substances. Hysell JW, et al.
Proc Soc Exp Biol Med 135:930-3, Dec 70
Hormonal effects on cyclic AMP in a renal-cell suspension system. Michelakis AM.
Proc Soc Exp Biol Med 135:13-6, Oct 70
Effect of pitressin on voluntary alcohol consumption in the rat. Crow LT, et al. Psychol Rep 28:950, Jun 71
Ornithine-8-vasopressin, a new vasoconstrictor for local anaesthesia in dentistry. A comparative study with adrenaline. Nordenram A, et al.
Sven Tandlak Tidskr 63:773-7, Nov 70
[Metabolic effects of neurohypophyseal peptides] Baïsset A, et al.
Actual Pharmacol (Paris) 23:141-67, 1969 (Fre)
[Suppression by lysine-vasopressin of the inhibitory effect of chloramphenicol on the growth of KB cell cultures] Bernard-Weil E, et al.
Bull Cancer (Paris) 56:331-4, Jul-Sep 69 (Fre)
[New studies on quantitative variations of tissue polyanions of the renal papilla: osmotic diuresis, aqueous diuresis with and without injection of pitressin] Morard JC, et al.
C R Acad Sci [D] (Paris) 271:1111-4, 28 Sep 70 (Fre)
[On bradycardia induced with injection of vasopressin] Duflot JC, et al.
C R Soc Biol (Paris) 164:1064-5, 1970 (Fre)
[The action of lysine-vasopressin on the motility of the proximal colon. In vitro study in the rat] Le Goff P, et al. C R Soc Biol (Paris) 164:2091-3, 1970 (Fre)
[Physiological vascular action of angiotensin] Worcel M, et al. J Urol Nephrol (Paris) 75:664-6, Sep 69 (Fre)
[Changes in the reaction time of rats following application of vasopressin, oxytocin and Na-thioglycolate] Schwarzberg H, et al.
Acta Biol Med Ger 24:507-16, 1970 (Ger)
[Clinical tests with ornithine 8-vasopressin as vasoconstrictor addition to the local anesthetic solutions] Herfert O.
Anaesthesist 20:40-1, Jan 71 (Ger)
[The action of vasopressin and oxytocin on the nervous structures of Periplaneta americana L] Schulz H.
Arch Int Pharmacodyn Ther 186:108-19, Jul 70 (Ger)
[Activation of the isolated vascular muscle by noradrenaline, vasopressin and its depolarization by gradual blockade of alpha receptors] Griebel L, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:248-61, 1971 (Ger)
[Effects of various hormones and drugs on adenyl cyclase of rat kidney] Jakobs KH, et al.
Naunyn Schmiedebergs Arch Pharmakol 266:364-5, 1970 (Ger)
[Effects of phenylalanine-lysine-vasopressin on cortisol secretion in normal subjects] Giordano G, et al.
Arch E Maragliano Patol Clin 25:495-502, Nov-Dec 69 (Ita)
[Vasopressin and somatotropin secretion in man] Giordano G, et al.
Arch E Maragliano Patol Clin 26:333-48, Nov-Dec 70 (Ita)
[Lysine-vasopressin and adipokinesis in humans] Giordano G, et al.
Arch E Maragliano Patol Clin 26:95-110, Mar-Apr 70 (Ita)
[On the function of the hypothalamus-hypophysis-adrenal gland system tested with lysine-8-vasopressin. On lipolysis and the adrenal gland response in normal subjects and subjects treated with corticosteroids] Olivi O, et al.
Clin Pediatr (Bologna) 51:61-77, Feb 69 (Ita)
[Microcirculatory activity in rats during treatment with various vasoactive substances] Bocconi GA, et al.
Minerva Anestesiol 35:1274-9, Dec 69 (Ita)
[Effect of phenylalanine-2-lysyl-8 vasopressin (PLV-2) on spleen circulation] Pastorini C, et al.
Minerva Gastroenterol 16:159-63, Oct-Dec 70 (Ita)
[Use of local vasoconstrictors during halothane anesthesia. 3. Evaluation of POR-8 (ornithine 8-vasopressin)] Nishioka K, et al.
Jap J Anesthesiol 19:1438-43, Dec 70 (Jap)
[Effect of POR-8 (ornithine-vasopressin) on the coronary circulation] Yusa T, et al.
Jap J Anesthesiol 20:598-604, Jul 71 (Jap)
[Effect of ornithine-8-vasopressin on the contractility of the uterine blood vessels in pregnant women] Kordeusz Z, et al. Ginekol Pol 42:365-9, 1971 (Pol)
[The effect of vasopressin and pituitrin on the parotid and submaxillary glands] Iaremenko MS.
Biull Eksp Biol Med 68:73-5, Aug 69 (Rus)
[Natriuretic effect of vasopressin analogs] Borisova SA, et al. Fiziol Zh SSSR 57:1038-45, Jul 71 (Rus)
[Study of portal circulation by the umbilical route: registration of pressure, humoral study and action of phenylalanine-lysine-vasopressin] Fernandez A, et al.
Rev Int Hepatol 19:509-27, 1969 (Spa)
[Ornithine-8-vasopressin as vasoconstrictor in local anaesthesia in oral surgery] Nordenram A, et al.
Sven Tandlak Tidskr 64:113-8, Feb 71 (Swe)

PHYSIOLOGY

Role of antidiuretic hormone in the abnormal water diuresis of anterior hypopituitarism in man. Agus ZS, et al. J Clin Invest 50:1478-89, Jul 71
[Study on secretion regulation of the antidiuretic hormone] Thorn NA.
Nord Med 84:1510, 19 Nov 70 (Dan)

SECRETION

Vasopressin release from the rat supraoptico-neurohypophysial system in vitro in response to hypertonicity and acetylcholine. Eggena P, et al. Acta Endocrinol (Kbh) 65:442-52, Nov 70
Influence of corticosteroids and chlorpromazine on the release of vasopressin from isolated neural lobes of rats. Vilhardt H.
Acta Endocrinol (Kbh) 65:490-6, Nov 70
Central neural regulation of antidiuretic hormone release and unit activity in the supraoptic nucleus of the behaving rhesus monkey. Hayward JN.
Am J Anat 129:203-5, Oct 70
Sodium, potassium and water metabolism in the syndrome of inappropriate antidiuretic hormone secretion. Nolph KD, et al. Am J Med 49:534-45, Oct 70
Central action of angiotensin in stimulating ADH release. Mouw D, et al. Am J Physiol 220:239-42, Jan 71
Plasma antidiuretic hormone and urinary output during continuous positive-pressure breathing in dogs. Baratz RA, et al. Anesthesiology 34:510-3, Jun 71
CPPB and vasopressin secretion. Moran WH Jr.
Anesthesiology 34:501-4, Jun 71
Recognition of partial defects in antidiuretic hormone secretion. Miller M, et al.
Ann Intern Med 73:721-9, Nov 70
Corticotropin and vasopressin secretion after hypothalamic implantation of atropine. Hedge GA, et al. Endocrinology 88:1257-9, May 71
Possible role of the renin-angiotensin system in the regulation of antidiuretic hormone secretion. Malvin RL. Fed Proc 30:1383-6, Jul-Aug 71
Antidiuretic hormone levels in normal subjects. Moore WW. Fed Proc 30:1387-94, Jul-Aug 71
Control of antidiuretic hormone secretion. Introductory remarks. Nash FD.
Fed Proc 30:1376-7, Jul-Aug 71
Hypersecretion of arginine vasopressin in acromegaly. Doyle MJ, et al.
J Clin Endocrinol Metab 33:418-23, Sep 71
The effect of autonomic blocking agents on vasopressin release in vivo induced by osmoreceptor stimulation. Bridges TE, et al. J Endocrinol 48:265-76, Oct 70
Neurosurgical hyponatremia: the role of inappropriate antidiuresis. Fox JL, et al.
J Neurosurg 34:506-14, Apr 71
The release of corticotrophin and vasopressin in the foetal sheep in response to haemorrhage. Alexander DP, et al. J Physiol (Lond) 213:31P-32P, Mar 71
Release of neurophysin, oxytocin and arginine vasopressin in the rat. Burton AM, et al.
J Physiol (Lond) 217:23P-24P, Aug 71
Oxytocin and ADH secretion in relation to electrical activity in antidromically identified supraoptic and paraventricular units. Dyball RE.
J Physiol (Lond) 214:245-56, Apr 71
The secretion and clearance of vasopressin during the development of irreversible haemorrhagic shock. Errington ML, et al.
J Physiol (Lond) 217:43P-45P, Aug 71
The effect of ganglion blocking agents on release of antidiuretic hormone by carotid occlusion, suberyldicholine and haemorrhage in the cat. Harris MC, et al. J Physiol (Lond) 210:51P-52P, Sep 70
An investigation into the central pathways concerned in the regulation of antidiuretic hormone release in the cat. Milton AS, et al.
J Physiol (Lond) 211:Suppl:49P+, Dec 70
Syndrome of inappropriate secretion of antidiuretic hormone. Dempster WJ. Lancet 1:970-1, 8 May 71
Rapid reversal of inappropriate-antidiuretic-hormone syndrome. Greenburg SR, et al. Lancet 1:547, 13 Mar 71
A possible role of prostaglandin E2 in the regulation of vasopressin secretion in rats. Vilhardt H, et al.
Life Sci [I] 9:825-30, 15 Jul 70
Apparent inappropriate anti-diuretic hormone secretion in cirrhosis of the liver. Danovitch SH, et al.
Med Ann DC 40:16-8 passim, Jan 71
Chlorpropamide hyponatremia: drug-induced inappropriate antidiuretic-hormone activity. Weissman PN, et al. N Engl J Med 284:65-71, 14 Jan 71
Low-set osmostat and ADH.
N Engl J Med 284:793-4, 8 Apr 71
Release of oxytocin and vasopressin in lactating rats after injection of carbachol into the third ventricle. Kuhn ER, et al. Neuroendocrinology 8:48-58, 1971
Osmotic threshold for vasopressin release as determined by saline infusion and by dehydration. Moses AM, et al. Neuroendocrinology 7:219-26, 1971
Inappropriate secretion of antidiuretic hormone. Becker KL. Postgrad Med 49:231-2, Apr 71
Antidiuretic hormone (ADH). Hypersecretion syndrome in the course of acute intermitent porphyria (considerations with reference to two cases). Dimitriu CG, et al. Rom Med Rev 14:16-20, 1970
Supraoptic neurosecretory cells: adrenergic and cholinergic sensitivity. Barker JL, et al.
Science 171:208-10, 15 Jan 71
Inappropriate secretion of antidiuretic hormone in reticulum cell sarcoma. Miller R, et al.
South Med J 64:763-4, Jun 71
Myxedema causing adynamic ileus, serous effusions, and inappropriate secretion of antidiuretic hormone. Liechty RD, et al.
Surg Clin North Am 50:1067-98, Oct 70
Inappropriate antidiuretic hormone secretion caused by positive pressure respirators. White WA, et al.
Surg Forum 21:425-7, 1970
[A mathematical model for study and correction of imbalance between antagonistic factors. Application to cancerous hypervasopressinism of central origin] Bernard-Weil E, et al.
Ann Endocrinol (Paris) 31:978-83, Sep-Oct 70 (Fre)
[Syndromes of inappropriate secretion of antidiuretic hormone] Annee Endocrinol 23:85-96, 1971 (Fre)
[Schwartz-Bartter syndrome and endocrine disorders in broncho-pulmonary cancer] Leménager J, et al.
Cah Coll Med Hop Paris 10:411-7, May 69 (Fre)
[A further case of Schwartz-Bartter syndrome with neuro-psychic manifestations during the course of anaplastic bronchopulmonary cancer] Piante M, et al.
J Med Lyon 50:593-605, 5 Apr 69 (Fre)
[Secretion of antidiuretic hormone during different types of aggression in the rat] Lutz B, et al.
J Physiol (Paris) 1:Suppl 1:149+, 1969 (Fre)
[Schwartz-Bartter syndrome and epidermoid cancer of the bronchi] Giard P, et al.
J Sci Med Lille 88:517-28, Oct 70 (Fre)
[Hypervasopressinism and hypercorticism in skull injured patients] Fossati P, et al.
Lille Med 16:251-66, Feb 71 (Fre)
[Schwartz-Bartter syndrome] Barjon P, et al.
Poumon Coeur 27:213-36, 1971 (99 ref.) (Fre)
[Schwartz-Bartter syndrome: pharmacologic and histological study of 3 cases] Dutau G, et al.
Poumon Coeur 27:237-45, 1971 (Fre)
[2 cases of Schwartz-Bartter (S.B.) syndromes] Akoun G, et al. Presse Med 78:2382, 12 Dec 70 (Fre)
[Schwartz-Bartter syndrome of paraneoplastic origin]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Mornex R, et al.
Probl Actuels Endocrinol Nutr 13:189-216, 1969 (Fre)
[Radioimmunologic determination of posterior pituitary hormones] Legros JJ, et al.
Rev Fr Endocrinol Clin 11:153-60, Mar-Apr 70 (Fre)
[Transitory syndrome of inappropriate secretion of antidiuretic hormone during extensive pulmonary tuberculosis] Brun J, et al.
Rev Tuberc Pneumol (Paris) 34:1087-96, Dec 70 (Fre)
[Antidiuresis after intravenous mannitol administration] Thoma R, et al.
Med Welt 43:1876-7, 24 Oct 70 (Ger)
[Control mechanism of antidiuretic hormone secretion] Yoshida H.
Clin Endocrinol (Tokyo) 18:311-6, Oct 70 (22 ref.) (Jap)
[Regulatory mechanism of secretion of antidiuretic hormone] Murase T.
Folia Endocrinol Jap 46:1161-8, 20 Mar 71 (Jap)
[Treatment of syndrome of inappropriate secretion of ADH] Yoshida S.
Folia Endocrinol Jap 46:1000-1, 20 Dec 70 (Jap)
[A case of hypopituitarism associated with the syndrome of inappropriate secretion of antidiuretic hormone] Hinoara S, et al.
J Jap Soc Intern Med 60:742-7, Aug 71 (Jap)
[Water loading test and hypertonic saline loading test] Murase T, et al. Jap J Clin Med 28:2741-5, Dec 70 (Jap)
[Serum Na abnormality and disturbance of ADH secretion--with special reference to the central nervous system diseases] Saito T, et al.
Saishin Igaku 25:2098-104, Oct 70 (47 ref.) (Jap)
[A method of studying the hydrouretic component of an osmoregulating system] Merzon AK, et al.
Fiziol Zh SSSR 56:288-91, Feb 70 (Rus)
[Mechanism of action of mineral water taken internally] Pronina NN.
Vopr Kurortol Fizioter Lech Fiz Kult 36:9-12, 1971 (Rus)

THERAPEUTIC USE

Ornithine-8-vasopressin, a new vasoconstrictor used for haemostasis during operation for genital prolapse. Nielsen OV, et al.
Acta Obstet Gynecol Scand 49:45-8, 1970
The effect of vasopressin on renal transport of urea and water in dogs with experimental diabetes insipidus. Kauker M, et al.
Arch Int Pharmacodyn Ther 185:174-84, May 70
Treatment of diabetes insipidus. Andersson KE, et al.
Br Med J 3:111, 10 Jul 71
Clinical experience with a new synthetic vasoconstrictor. Shiell RC.
Med J Aust 1:957-9, 1 May 71
Use of vasopressin in the Mallory-Weiss syndrome. Dill JE, et al. N Engl J Med 284:852-3, 15 Apr 71
Vasopressin injection in cervical conization. A double-blind study. Sabol ED, et al.
Obstet Gynecol 37:596-601, Apr 71
[Long-term treatment of diabetes insipidus] Ree JK van de, et al.
Ned Tijdschr Geneeskd 115:1186-9, 10 Jul 71 (Dut)
[Treatment of neurogenic diabetes insipidus] Amyot R. Union Med Can 100:1584-7, Aug 71 (Fre)
[Studies on the influence of octapressin on portal pressure] Irmer W, et al.
Langenbecks Arch Chir 322:737-42, 1968 (Ger)
[Results of the use of POR-8 Sandoz as a hemostatic agent in gynecology and obstetrics] Krawczyk B, et al.
Wiad Lek 23:1625-9, 15 Sep 70 (Pol)
[Familial primary vasopressin resistant diabetes insipidus sensitive to biguanide] Villamor J, et al.
Rev Clin Esp 121:51-62, 15 Apr 71 (Spa)
[Use of ornithine 8-vasopressin in episiotomies] Kizer S, et al. Rev Obstet Ginecol Venez 30:137-44, 1970 (Spa)
[Use of 8-lysin-vasopressin for the elimination of intestinal gas in abdominal radiography] Göthlin J.
Nord Med 84:1313, 8 Oct 70 (Swe)
[Local hemostasis with POR 8 in vaginal surgeries] Dračа P. Med Pregl 23:117-20, 1970 (Cro)

URINE

Excretion of oxytocin and vasopressin in human urine. Frandsen P, et al.
Acta Endocrinol (Kbh) 66:540-6, Mar 71
Increased urinary excretion of antidiuretic material in encephalitis. Siersbael-Nielsen K, et al.
Acta Neurol Scand 46:648-52, 1970
Radioimmunoassay of urinary antidiuretic hormone with application to study of the Brattleboro rat. Miller M, et al. Endocrinology 88:1389-96, Jun 71
Excretion of antidiuretic activity in the urine of cats and rats after administration of the synthetic hormonogen, N
alpha-glycyl-glycyl-glycyl-[8-lysine]-vasopressin (triglycylvasopressin). Kynčl J, et al.
J Endocrinol 48:157-65, Oct 70
Measurement of plasma and urinary vasopressin by immunoassay. Edwards CR.
Proc R Soc Med 64:842-4, Aug 71
[Excretion of antidiuretic activity in the urine following intravenous injection of vasopressin in ethanol anesthetized rats] Bödeker J, et al.
Pflugers Arch 325:347-58, 1971 (Ger)

VASOPRESSOR AGENTS see VASOCONSTRICTOR AGENTS (D5)

VASOXYL see METHOXAMINE (D5)

VATER'S AMPULLA (A3)

An exploring catheter in the common duct. Leyse RM, et al. Am Surg 37:506-8, Aug 71
Adrenergic innervation and receptors in the sphincter of Oddi. Mori J, et al. Eur J Immunol 14:365-73, May 71
Incompetence of the sphincter of Oddi--an uncommon cause of pneumobilia: report of a case. Broadman SA.
J Am Osteopath Assoc 70:565-9, Feb 71
Transhepatic cholangiography identifying recurrent tumor after a Whipple's procedure. Peters JP, et al.
J Indiana State Med Assoc 63:1004-5, Sep 70
Papillitis, gallstones, and pancreatitis. D'Ambrosio V.
J Med Soc NJ 68:499-502, Jun 71
Pancreatic and ampullary carcinoma: diagnosis and prognosis in relationship to symptoms, physical findings, and elapse of time as observed in 255 patients. Gambill EE. South Med J 63:1119-22, Oct 70
Acute suppurative cholangitis due to ampullary fibrosis. Nardi GL.
Surg Clin North Am 50:1137-40, Oct 70
[Critical study of 207 cases of stenosis of Oddi's sphincter] Salembier Y.
Ann Chir 24:1105-10, Oct 70 (Fre)
[Para-Vaterian cysts and chronic pancreatitis: 17 cases] Martin ED, et al.
Arch Fr Mal App Dig 58:825-7, Dec 69 (Fre)
[Carcinoid tumors of Vater's ampulla] Moreaux J, et al.
Chirurgie 97:473-9, May-Jun 71 (Fre)
[Malignant tumors of Vater's ampulla] Adloff M, et al.
J Chir (Paris) 97:479-81, Apr 69 (Fre)
[Critical study of 211 cases of Oddi's sphincter stenosis] Salembier Y.
Lille Med 16:405-14, Mar 71 (Fre)
[A case of angioma of the papilla (arteriographic diagnosis)] Hivet M, et al.
Presse Med 79:97-8, 16 Jan 71 (Fre)
[Apropos of purely digestive forms of Vater's ampulla neoplasms] Bonnet-Eymard J, et al.
Rev Int Hepatol 19:701-4, 1969 (Fre)
[Cancer of the biliary-pancreatic junction. (Tumors of the Vater's ampulla)] Monges H, et al.
Rev Int Hepatol 19:601-15, 1969 (Fre)
[Frequency of papillary stenosis in cholelithiasis] Szeleczky G.
Langenbecks Arch Chir 322:769-72, 1968 (Ger)
[Tumors of Vater's ampulla] Puntillo F, et al.
Ann Ital Chir 45:257-302, 1969 (Ita)
[Benign tumors of Vater's ampulla] Parma A, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:502-8, 1968 (Ita)
[Biliary flow measurements in patients with external biliary drainage with the Kehr T tube] Manenti A, et al. Minerva Chir 26:151-5, 15 Feb 71 (Ita)
[Case of early cancer of the ampulla of the duodenal papilla originating at the Wirsung's duct] Yamane T, et al. Jap J Cancer Clin 17:571-4, 1971 (Jap)
[Entry of Vater's papilla into the duodenal diverticulum] Matsushita S, et al.
Rinsho Hoshasen 16:397-401, May 71 (Jap)
[Diagnosis and treatment of stenosis of Vater's papilla] Moguchev VM.
Khirurgiia (Mosk) 46:103-7, Jun 70 (Rus)
[Treatment of stenosing odditis] Stefanini P, et al.
Prensa Med Argent 57:1351-8, 4 Sep 70 (Spa)

ABNORMALITIES

Heterotopic pancreatic tissue in the common bile duct or ampulla of Vater. Sabini AM, et al.
Am Surg 36:662-6, Nov 70
[Heterotopia of pancreatic tissue in Oddi's sphincter system: its relation to benign stenosis of the terminal choledochus] Pera C, et al.
Rev Esp Enferm Apar Dig 31:329-36, 15 May 70 (Spa)

DRUG EFFECTS

Direct observations of the canine sphincter of Oddi. Shore JM, et al. Ann Surg 174:264-73, Aug 71
Effects of intravenous alcohol on motility of the duodenum and of the sphincter of Oddi. Pirola RC, et al. Australas Ann Med 19:24-9, Feb 70
Adrenoceptors in the cat choledochoduodenal junction studied in situ. Liedberg G, et al.
Br J Pharmacol 39:619-26, Jul 70
Adrenoceptor functions in the cat choledochoduodenal junction in vitro. Persson CG.
Br J Pharmacol 42:447-61, Jul 71
Action of caerulein and related substances on the sphincter of Oddi. Agosti A, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:114-8, 1971
[The use of codeine in intravenous cholangiography] Ragni G, et al. Minerva Radiol 14:41-8, Jan-Feb 69 (Ita)
[Study of the hepatocholedochus in peroral cholecystography and pharmacological block of Oddi's sphincter with codeine] Leonardi M, et al.
Quad Radiol 35:59-72, Jan-Feb 70 (Ita)
[Pharmacologic blocking of Oddi's sphincter in endovenous cholecysto-cholangiography. Experiences with the use of methylmorphine] Monfreda G, et al.
Quad Radiol 35:427-47, Sep-Oct 70 (Ita)
[Adrenoceptor mechanisms in Oddi's sphincter] Ingemarsson I, et al. Nord Med 86:917, 29 Jul 71 (Swe)

INJURIES

Accidental transection of the ampulla of Vater at surgery for duodenal ulcer. Clemmesen T, et al.
Acta Chir Scand 136:497-502, 1970
[Biliary-pancreatic injury in gastroduodenal surgery] Lázaro da Silva A, et al.
Rev Bras Med 27:491-5, Oct 70 (Por)

PATHOLOGY

[Vater's ampulla tumors: anatomo-pathologic facts and their practical consequences] Delavierre P, et al.
J Chir (Paris) 97:448-9, Apr 69 (Fre)
[Papillomatosis of Vater's ampulla] Blessing MH, et al.
Zentralbl Allg Pathol 114:227-32, 1971 (Ger)
[The Oddi's sphincter system: its histological changes] Fernandez-Cruz L, et al.
Rev Esp Enferm Apar Dig 30:849-64, 15 Mar 70 (Spa)

PHYSIOLOGY

The effect of vagotomy on flow resistance at the choledocho-duodenal junction. An experimental study in the anaesthetized cat. Liedberg G, et al.
Acta Chir Scand 136:208-12, 1970
Direct observations of the canine sphincter of Oddi. Shore JM, et al. Ann Surg 174:264-73, Aug 71
The discharge of bile into the duodenum and electrical activities of the muscle of oddi and duodenum. Ono K.
Jap J Smooth Muscle Res 6:123-8, Jun 70
[A cinefluorographic evaluation of Oddi's sphincter in experiments with dogs] Wafny M.
Ann Univ Mariae Curie Sklodowska [Med] 24:341-52, 1969 (Pol)

PHYSIOPATHOLOGY

[Correction factors for constance of so-called standard pressure in flowmeter and cholangiometry] Mättig H, et al. Zentralbl Chir 96:504-12, 10 Apr 71 (Ger)
[Indirect examination of the common bile duct] Baro MR, et al.
Rev Esp Enferm Apar Dig 33:69-76, 1 Jan 71 (Spa)

RADIOGRAPHY

Hypotonic duodenography. Anderson RE.
Minn Med 54:743-5, Sep 71
[Hypotonic duodenography] Engelholm L, et al.
Acta Gastroenterol Belg 33:120-36, Feb 70 (Fre)
[Study of the normal Oddi's sphincter by use of the retropancreatic film] Yvergneaux JP.
Acta Gastroenterol Belg 33:297-305, Apr-May 69 (Fre)
[Hypotonic duodenography] Yvergneaux JP, et al.
Acta Gastroenterol Belg 33:173-8, Feb 70 (Fre)
[Radiologic examination of Vater's ampulla tumors] Vayre P, et al. J Chir (Paris) 97:450-9, Apr 69 (Fre)
[Diagnosis by choledochography of Vater's ampulla disorders: description of a recent image] Pujol Soler R, et al. Lyon Chir 65:303-5, Mar-Apr 69 (Fre)
[A cinefluorographic evaluation of Oddi's sphincter in experiments with dogs] Wafny M.
Ann Univ Mariae Curie Sklodowska [Med] 24:341-52, 1969 (Pol)
[Contribution of transparietal hepatic cholangiography in 2 cases of Vater's ampulla adenocarcinoma] Reilmpio, et al.
Rev Esp Enferm Apar Dig 33:715-8, 15 Mar 71 (Spa)

SURGERY

Carcinoma of the ampulla of Vater. Ponka JL, et al.
Am J Surg 121:263-70, Mar 71
Transduodenal sphincterotomy and choledocholithiasis. Whalen WA, et al.
Conn Med 34:810-1, Nov 70
Carcinoma of the ampulla of Vater and the terminal bile and pancreatic ducts. Crile G Jr, et al.
Surg Gynecol Obstet 131:1053-4, Dec 70
A new method for sphincterotomy. Reynolds B, et al.
Surg Gynecol Obstet 132:297-8, Feb 71
[Our experience with papillosphincterotomy] Pstrušina J. Rozhl Chir 50:94-9, Feb 71 (Cze)
[From oddian sphincterotomy to transduodenal approach to the common bile duct] Staiport J, et al.
Acta Gastroenterol Belg 33:226-36, Mar 70 (Fre)
[One hundred cases of Oddi sphincterotomy] Terquem J.
Bull Soc Fr Dermatol Syphiligr 50:151-3, 4 Jul 69 (Fre)
[Vater's ampulla neoplasm in an African woman treated

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

by duodeno-cephalic pancreatectomy] Gruet M, et al. Bull Soc Med Afr Noire Lang Fr 16:51-2, 1971 (Fre)
[Vater's ampulla tumors. B) Cephalic duodeno-pancreatectomy for ampulloma] Arsac M. J Chir (Paris) 97:469-73, Apr 69 (Fre)
[Vater's ampulla tumors. IV. Surgical technics. A) Ampullectomy technics] Chatelin CL. J Chir (Paris) 97:465-8, Apr 69 (Fre)
[Benign tumors of the duodenal papilla] Chatelin CL. J Chir (Paris) 97:460-4, Apr 69 (Fre)
[Vater's ampulla tumors. C) Palliative anastomoses in ampulloma] Levasseur JC, et al. J Chir (Paris) 97:474-5, Apr 69 (Fre)
[Surgical treatment of Vater's ampulla tumors: synthesis of presented cases; 121 cases] Vayre P, et al. J Chir (Paris) 97:476-8, Apr 69 (Fre)
[1,000 sphincterotomies] Lisurado A, et al. Lyon Chir 65:277-9, Mar-Apr 69 (Fre)
[Oddi's sphincter surgery without choledochotomy or external biliary drainage] Goinard P, et al. Mem Acad Chir (Paris) 94:798-804, 1968 (Fre)
[Inverse selective right vagotomy in odditis] Barrantes G. Presse Med 78:2192, 21 Nov 70 (Fre)
[Juxtaduodenal, transverse choledochotomy and papilla dilatation. 20 years experience with own technique] Bsteh O, et al. Chirurg 41:71-6, Feb 70 (Ger)
[Hemorrhagic syndrome as a possible complication of sphincterotomy] Wense G. Chirurg 41:70-1, Feb 70 (Ger)
[Radiographic findings after transduodenal sphincterotomy] Sewcz HG, et al. Radiol Diagn (Beri) 11:809-16, 1970 (Ger)
[Value of papilla bougienage in choledochotomy] Thämmig R, et al. Zentralbl Chir 96:177-83, 30 Jan 71 (Ger)
[Indications for biliary surgery in the aged] Modiano C, et al. Osp Ital Chir 20:529-35, Jun 69 (Ita)
[Surgery on the large duodenal papilla] Gurevich GM. Khirurgiia (Mosk) 46:126-9, Dec 70 (29 ref.) (Rus)
[Transduodenal papillectomy for cancer using Teflon prostheses for drainage] Khaspekov-Terpanosian KG. Vestn Khir 105:48-51, Sep 70 (Rus)
[Transcystic papillotomy] Garbayo Gonzalez M, et al. Rev Esp Enferm Apar Dig 33:163-6, 15 Jan 71 (Spa)
[Choledocho-duodenostomy in biliary lithiasis] Molina Nogales E, et al. Rev Esp Enferm Apar Dig 33:178-84, 15 Jan 71 (Spa)

TRANSPLANTATION

Implantation of papilla of vater and pancreatic duct into the stump of the resected stomach. Nielubowicz J, et al. Pol Med J 9:1189-93, 1970

VECTORCARDIOGRAPHY (E1)

Functional diagnosis of the heart by the spatial T-area vector. Abel H. Acta Cardiol (Brux) 26:163-72, 1971
A standard reference system for spatial vectorcardiography. comparison of the equilateral tetrahedron and the frank systems. Burch GE, et al. Am Heart J 80:638-59, Nov 70
Computer analysis of the orthogonal electrocardiogram and vectorcardiogram in 1,002 patients with myocardial infarction. Eddleman EE Jr, et al. Am Heart J 81:608-21, May 71
Uncorrected vs. corrected vectorcardiographic lead system. Mark H. Am Heart J 82:139, Jul 71
Selective cine coronary arteriography and vectorcardiographic diagnose: correlative study of one hundred patients. Maron BJ, et al. Am Heart J 82:163-70, Aug 71
Inferior clockwise frontal plane forces in a child with endocardial cushion defect. Morgan BC, et al. Am Heart J 82:275-6, Aug 71
Simplification of the SVEC-3 lead system. Yokoi M, et al. Am Heart J 81:658-65, May 71
An abnormally superior vector. (Formerly called marked left axis deviation). Liebman J, et al. Am J Cardiol 27:577-80, May 71
The electrocardiogram and vectorcardiogram associated with chronic pulmonary disease. Wachtel FW, et al. Angiology 21:526-35, Sep 70
A vectorcardiographic study of the P loop using high amplification techniques. Analysis of 135 cases. Dicosky C, et al. Arq Bras Cardiol 23:169-78, Jun 70
Developmental changes of the cardiac electric field. I. Early postnatal period in rats. Rippa S, et al. Biol Neonate 17:447-57, 1971
Living fetuses of guinea pigs in acute experiments. Methods of anesthesia and operation in the adult pregnant animal; pre- and postnatal vectorcardiographic and electroencephalographic recordings in the developing animals. Schwartze H, et al. Biol Neonate 17:238-48, 1971
A simplified approach to the determination of the QRS axis. Grillo AJ, et al. Bol Asoc Med PR 62:292-6, Oct 70
Comparison of coronary angiogram with other parameters (history, electrocardiogram, vectorcardiogram, two-step test, serum lipids) in patients with anginal complaints. Bruschke AV, et al. Br Heart J 33:150, Jan 71
An on-line system for the automatic processing of vectorcardiograms. Herpen G van, et al. Br Heart J 33:149, Jan 71
The electrocardiogram, vectorcardiogram and spatiocardiogram in the rabbit. Szabuniewicz M, et al. Can J Comp Med 35:107-14, Apr 71
Effect of posture on the spatial vectorcardiogram of man. Maclean D, et al. Cardiovasc Res 4:490-6, Oct 70
A new three dimensional display of the vectorcardiogram employing holography. Shander D. Chest 59:438-40, Apr 71
Propagation velocities and voltage magnitudes in local segments of dog myocardium. Selvester RH, et al. Circ Res 27:619-29, Oct 70
Vectorcardiographic differentiation between right ventricular hypertrophy and posterobasal myocardial infarction. Mathur VS, et al. Circulation 42:883-94, Nov 70
Reliability of individual frontal plane axis determination. Okamoto N, et al. Circulation 44:213-9, Aug 71
Comparison of the vectorcardiogram with the electrocardiogram in the prediction of left ventricular size. Vine DL, et al. Circulation 43:547-58, Apr 71
The frontal plane vectorcardiogram in old inferior myocardial infarcton. II. Mid-to-late QRS changes. Young E, et al. Circulation 42:1143-62, Dec 70
Differential diagnosis of the vectorcardiogram in myocardial infarction (Akulinichev five-plane precordial system). Tomov I. Cor Vasa 13:93-104, 1971
Vectorcardiographic diagnosis of myocardial infarction in orthogonal system (cube lead system of Grishman). Tomov I. Cor Vasa 13:105-16, 1971
Improved recognition of myocardial infarction by bivariate analysis of initial QRS vectors. Sotobata I, et al. J Chronic Dis 23:605-15, Feb 71
Fallacy in the logical foundations of vectorcardiography. Barnard AC, et al. J Electrocardiol 3:191-2, 1970
The relation of the frontal QRS axis to the anatomic position of the heart. Dougherty JD. J Electrocardiol 3:267-84, 1970
An arrhythmia clarified by polarcardiography. Dower GE. J Electrocardiol 3:231-8, 1970
The vectorcardiogram in complete transposition of the great arteries: correlation with anatomic and hemodynamic findings and calculated left ventricular mass. Mair DD, et al. J Electrocardiol 3:217-29, 1970
Block of the posterior subdivision of the left bundle branch of His. Medrano GA, et al. J Electrocardiol 3:309-15, 1970
Necrosis of the posterior aspect of the free left ventricular wall associated with block of the posterior subdivision of the left bundle branch of His. Experimental electro- and vectorcardiographic study. Medrano GA, et al. J Electrocardiol 4:44-9, 1971
Pacemaker vectorcardiography in patients with myocardial infarction and intraventricular conduction defects. Zoneraich O, et al. J Electrocardiol 4:1-10, 1971
Computer diagnosis of congenital heart disease by means of vectorcardiogram (VCG). Nakamura A. Jap Circ J 34:285-99, Apr 70
Vectorcardiogram in biventricular hypertrophy with the Frank system. Toyama S, et al. Jap Circ J 34:549-55, Jun 70
Post-extrasystolic ST, T changes in the exercise vectorcardiogram with Frank's lead. Murayama M, et al. Jap Heart J 12:185-90, Mar 71
The influence of the inhomogeneities of electrical conductivity within the torso on the electrocardiogram as evaluated from the view point of the transfer impedance vector. Nagata Y. Jap Heart J 11:489-505, Sep 70
Electrocardiographic and vectocardiographic signs of rejection. Lacassagne JP, et al. Laval Med 41:276-80, Feb 70
The effect of electrode position on a modified Frank electrovectorcardiographic lead system. Gau GT, et al. Mayo Clin Proc 46:536-43, Aug 71
Why you should include vectorcardiography. Silk AD. Med Times 98:79-81, Oct 70
Normal rabbit vectorcardiogram. Miyaji K, et al. Mie Med J 20:51-6, May 70
Vectorcardiogram in chronic pulmonary disease and experimental pulmonary embolism. So N. Mie Med J 20:57-80, May 70
Vector analysis of ventricular function: an approach to the study of myocardial performance. Replogle RL, et al. Surg Forum 21:173-5, 1970
[Relation of azimuth and elevation angle of the QRS and T loop plane to age and various somatometric data] Drška Z, et al. Vnitr Lek 16:946-52, Oct 70 (Cze)
[Vectorcardiograms of healthy subjects] Kríl V. Vnitr Lek 16:937-45, Oct 70 (Cze)
[Vectorcardiogram of the auricles in normal and chronic bronchitis patients] Fusco M. Acta Cardiol (Brux) 24:388-408, 1969 (Fre)
[So-called "left atrial" rhythm. Vectorial study of atrial depolarization] Castillo-Fenoy A. Arch Mal Coeur 63:1761-72, Dec 70 (Fre)
[Use of automatic computation in vectorcardiography] Durand M, et al. Arch Mal Coeur 62:979-90, Jul 69 (Fre)
[The vectocardiogram during chronic respiratory insufficiency] Warembourg H, et al. Arch Mal Coeur 63:1326-44, Sep 70 (Fre)
[Ventricular gradient in the domestic rabbit and its interpretation] Alché P d', et al. J Physiol (Paris) 1:Suppl 1:78, 1969 (Fre)
[Auricular vectorcardiography] Chignon JC, et al. J Physiol (Paris) 62:Suppl 3:357, 1970 (Fre)
[Use of vectorcardiography as a research method in physiologic development. II. Correlations between the development of the heart and the spatial vectorcardiogram during postnatal ontogenesis in the guinea pig] Schwartze H. Acta Biol Med Ger 24:313-25, 1970 (Ger)
[Use of vectorcardiography as a research method in physiologic development. I. Possibilities of mathematical treatment of data from vectorcardiograms] Schwartze H, et al. Acta Biol Med Ger 24:301-11, 1970 (Ger)
[A new differential method for the definition of physiologic and pathologic rotations of the heart] Fragoyannis G. Arch Kreislaufforsch 65:29-40, May-Jun 71 (Ger)
[Vectorcardiographic diagnosis of myocardial infarct] Fischer T. Munch Med Wochenschr 112:281-3, 13 Feb 70 (Ger)
[Intensification of the anterior orientation of the QRS lead in pure mitral stenosis. An new vectorical criterium] Lichtlen P, et al. Schweiz Med Wochenschr 100:187-90, 31 Jan 70 (Ger)
[Early mechanocardiographic diagnosis of pulmonary hypertension] Gutschker A. Z Erkr Atmungsorgane 133:472-4, Dec 70 (Ger)
[Comparative studies for diagnosis of ventricle hypertrophy iwth conventional and corrected Frank-McFee orthogonal derivation. 2. Vectocardiographic findings in left hypertrophy] Döring D, et al. Z Gesamte Inn Med 25:1017-23, 15 Nov 70 (Ger)
[Automatic determination of spatial heart vectors using a triaxicardiometer] Antalóczy Z. Z Kreislaufforsch 60:501-5, Jun 71 (Ger)
[Evaluation of vector-electrocardiographic signs for the early diagnosis of chronic cor pulmonale. Comparative vectorcardiographic studies in patients suffering from chronic respiratory disorders of different origin after right heart catheterization] Fischer T. Z Kreislaufforsch 59:236-41, Mar 70 (Ger)
[Comparative electrocardiography and vectorcardiography in left bundle-branch block associated with myocardial infarct] Kenedi P, et al. Orv Hetil 112:380 passim, 14 Feb 71 (Hun)
[The "hyperkinetic" atrial vectorcardiographic loops. Comparative study of normal atrial loops] Pon A, et al. Arch E Maragliano Patol Clin 25:29-34, Jan-Feb 69 (Ita)
[("Pulmonary" and "Hhyperkinetic" P waves: vectorcardiographic analysis] Tedoldi A, et al. Arch E Maragliano Patol Clin 25:35-40, Jan-Feb 69 (Ita)
[On the diagnostic value of the vectorcardiogram in some cases of coronary insufficiency] De Ambroggi L, et al. Boll Soc Ital Cardiol 15:23-31, 1970 (Ita)
[The use of electronic computers in vectorcardiographic diagnosis] Giusti C, et al. Boll Soc Ital Cardiol 15:314-7, 1970 (Ita)
[Electro-vectorcardiographic correlations of atrial ectopic rhythms with changes of the P wave in the precordial leads] Nava A, et al. Boll Soc Ital Cardiol 16:5-13, 1971 (Ita)
[The importance of the vectorcardiogram in the diagnosis of ectopic rhythms] Nava A, et al. Boll Soc Ital Cardiol 14:953-7, Jun 70 (Ita)
[Vectorcardiographic study of mitral valve disease] De Franceschi A, et al. Cardiol Prat 1:Suppl:156-68, 1967 (Ita)
[The VCG in the diagnosis of infarct of the lower heart wall (Frank's method)] Fantini F, et al. Cardiol Prat 20:457-65, Dec 69 (Ita)
[Vectorcardiogram in chronic pulmonary heart disease. Correlation with electrocardiogram and revaluation of the electrophysiologic problems] Piccolo E. Folia Cardiol (Milano) 28:121-35, 1969 (Ita)
[Presentation of a didactic tridimensional model for vectorcardiography and electrocardiography] Baldi G. G Clin Med 51:353-9, Apr 70 (Ita)
[Microelectrocardiographic (M-ECG) and microvectorcardiographic (M-VCG) examinations. I. M-ECG observations] Addarii F, et al. Mal Cardiovasc 10:759-82, 1969 (Ita)
[The atrial vectorcardiogram in defibrillated patients] Piccolo E, et al. Mal Cardiovasc 10:721-8, 1969 (Ita)
[Mean values and extreme physiologic changes of QRS, T vectors and their divergence angle in a spatial electrocardiographic study. Study of 57 healthy subjects of both sexes aged between 15 and 78] Bellanca G, et al. Minerva Cardioangiol 17:886-9, Nov 69 (Ita)
[Frank lead vectocardiogram of mitral stenosis and its change following mitral commissurotomy] Muraki H, et al. Iryo 25:159-67, Mar 71 (Jap)
[Quantitative analysis of spatial ventricular gradient. 2. Spatial ventricular gradient in essential hypertension] Takeshita I. Jap Circ J 34:351-7, Apr 70 (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Clinical study of T loop (loop Ta) of the heart atrium] Hayashi H, et al. Jap J Clin Med 29:879-81, Feb 71 (Jap)
[Vectorcardiogram and spatial velocity electrocardiogram during myocardial ischemia caused by vasopressin] Hiroki T, et al. Jap J Clin Med 29:871-3, Feb 71 (Jap)
[Shapes of QRS loop in its initial stage lacking right thoracic induction wave R] Hori K, et al. Jap J Clin Med 29:1636-40, 1971 (Jap)
[Pattern differences between orthogonal lead system and cube system and their clinical application] Kimura N, et al. Jap J Clin Med 29:887-90, Feb 71 (Jap)
[Use of vectorcardiography in the diagnosis of circulatory diseases. 2. 5-year follow-up study and changes in VCG] Kimura N, et al. Jap J Clin Med 29:1622-5, 1971 (Jap)
[Abnormal conduction in vectorcardiography of inferior myocardial infarction] Matsuo H, et al. Jap J Clin Med 29:1643-6, 1971 (Jap)
[Spatial magnitude electrocardiography] Mori H. Jap J Clin Med 29:77-81, Jan 71 (Jap)
[Spatial velocity electrocardiography: its development and application] Mori H, et al. Jap J Clin Med 29:70-6, Jan 71 (Jap)
[Spatial velocity electrocardiography in the Fallot's tetralogy] Mori H, et al. Jap J Clin Med 29:1625-9, 1971 (Jap)
[Differential diagnosis of VSD and PDA by the vectorcardiogram] Nakamura G, et al. Jap J Clin Med 29:881-4, Feb 71 (Jap)
[Estimation of vector rotation direction by scalar electrocardiography] Okamoto N, et al. Jap J Clin Med 29:1633-6, 1971 (Jap)
[Influence of ventricular loading on spatial velocity electrocardiography and vectorcardiography in ventricular depolarization] Sakamoto Y, et al. Jap J Clin Med 29:1629-33, 1971 (Jap)
[Notes on current vectorcardiography] Sano T. Jap J Clin Med 29:61-9, Jan 71 (Jap)
[Correlation of 12 lead electrocardiograms and vectorcardiograms] Suzuki K, et al. Jap J Clin Med 29:34-41, Jan 71 (Jap)
[QRS loop in myocardial infarction] Suzuki K, et al. Jap J Clin Med 29:1640-3, 1971 (Jap)
[Diffeentiation of myocardial infarction by frontal 20-msec. QRS vector] Tobata I. Jap J Clin Med 29:873-7, Feb 71 (Jap)
[U loop in myocardial infarction] Toyama S, et al. Jap J Clin Med 29:877-9, Feb 71 (Jap)
[Chronological observation on the vectorcardiograms of twins] Ueda H, et al. Jap J Clin Med 29:891-3, Feb 71 (Jap)
[Attempt at using vectorcardiography in schizophrenia to evaluate the QRS syndrome] Kowarzykowa Z, et al. Psychiatr Pol 5:263-70, May-Jun 71 (Pol)
[A case of tetralogy of Fallot with atypical electrocardiogram and vectocardiogram] Ebaid M, et al. Arq Bras Cardiol 23:377-82, Dec 70 (Por)
[Vectorcardiography in the differential diagnosis between chronic cor pulmonale and an old myocardial infarct] Ginefra P, et al. Arq Bras Cardiol 23:233-42, Aug 70 (Por)
[Measurement of some quadrupole components of the equivalent electric generator of the heart] Titomir LI. Biofizika 14:377-9, Mar-Apr 69 (Rus)
[An experimental study of the SVEC 3 orthogonal vectorcardiographic system with a simplified transverse lead] Titomir LI, et al. Biull Eksp Biol Med 69:18-20, Jun 70 (Rus)
[Comparative significance of several vectorcardiographic systems for cardiologic diagnosis] Dorofeeva ZZ, et al. Kardiologiia 10:124-9, Aug 70 (Rus)
[Age-specific features of the vectorcardiogram] Korkushko OV, et al. Kardiologiia 10:123-7, Nov 70 (Rus)
[Vectorcardiographic syndrome of the right ventricle in newborns] Kuberger MB. Kardiologiia 10:135-7, Aug 70 (Rus)
[Diagnostic possibilities of Akulinichev's 3-dimensional precordial vectorcardiographic system] Paviov Ts. Kardiologiia 11:117-23, Jan 71 (Rus)
[Origin of the T loop in the vectorcardiogram] Piskov VS. Kardiologiia 11:135-7, 1971 (Rus)
[Use of a vectorrheographic method for evaluating miocardial contractile function in healthy persons and in patients with myocardial infarct] Sidorenko GI, et al. Kardiologiia 11:124-7, Jan 71 (Rus)
[Interpretation of the normal vectorcardiogram during the prepuberty and puberty] Cholovskiĭ AV. Pediatriia 49:21-4, Apr 70 (Rus)
[Use of vectorcardiography for evaluating the functional state of the cardiovascular system in healthy and sick young children] Zernov NG, et al. Pediatriia 50:40-8, Feb 71 (Rus)
[Vectorcardiographic characteristics and several problems in the pathogenesis of Wolff-Parkinson-White syndrome] Desiatov AI. Ter Arkh 42:109-14, Sep 70 (Rus)
[Vectorcardiographic changes at various stages of coronary arteriosclerosis] Stepashkina KI, et al. Ter Arkh 42:68-72, Sep 70 (Rus)
[Significance of the precardiac vectorcardiogram in the detection of indirect signs of cor pulmonale in conjunction with atherosclerotic cardiosclerosis or hypertensive diseases] Losinskiĭ LG. Vestn Akad Med Nauk SSSR 25:92-5, 1970 (Rus)
[Electrical activity of the fetal heart and of the heart of premature infants according to vectorcardiographic data] Zernov NG, et al. Vopr Okhr Materin Det 16:32-8, Jan 71 (Rus)
[Value of orthogonal vectorcardiography in the diagnosis of left ventricular hypertrophy] Armijo G, et al. Rev Med Chil 98:363-9, Jun 70 (Spa)
[Program (ALGOL IV) for vectorcardiographic evaluation using a digital computer] Ruttkay-Nedecký I. Bratisl Lek Listy 54:632-6, Nov 70 (Slo)

INSTRUMENTATION

Standards for vectorcardiographic instruments. Jap Circ J 34:737-44, Aug 70
[Determination of the maximal space vector of the heart with the help of a model constructed on the principle of Grant's VCG method] Kopeček I, et al. Vnitr Lek 17:754-6, Aug 71 (Cze)
[Vectorcardiogramm with 3 components] Franz L. Z Kreislaufforsch 58:1277-83, Dec 69 (Ger)
[Recording of the vectorcardiogram during exercise using the telemeter--its methods and clinical results] Kimura Z. Jap Circ J 34:359-66, Apr 70 (Jap)

STANDARDS

[Quantitative analysis of spatial ventricular gradient. 1. Spatial ventricular gradient in normal subjects] Takeshita I. Jap Circ J 34:335-50, Apr 70 (Jap)

VETERINARY

Vectorcardiography in normal dogs using the Frank lead system. Bojrab MJ, et al. Am J Vet Res 32:925-34, Jun 71
The electrocardiogram, vectorcardiogram and spatiocardiogram in the Capuchin monkey (Cebus apella). Szabuniewicz M, et al. Zentralbl Veterinaermed [A] 18:206-18, May 71
[Electrocardiography in healthy and diseased cattle. 1. Electrocardiographic and vectorcardiographic statistics in 2 age groups] Ghergariu S, et al. Zentralbl Veterinaermed [A] 17:598-612, Aug 70 (Fre)

VEGETABLE PROTEINS see under PLANT PROTEINS (D10)

VEGETABLES (J)

Yeast induced discolouration in fresh sauerkraut and control. Steinbuch E. Antonie van Leeuwenhoek 35:Suppl:F39, Jun 69
Identification of a pea component stimulatory for heat-stressed putrefactive anaerobe 59-123 spores. Ashton DH. Appl Microbiol 21:38-40, Jan 71
Gas hydrates in aqueous-organic systems. VI. Effects of hydrate formers and hydrate crystals in carrot tissue. Van Hulle G, et al. Cryobiology 8:91-103, Feb 71
The influence of auxin on bacterial tumor morphology at tomato plant nodes. Swain LW, et al. Growth 34:341-50, Sep 70
The determination of the biological value of dietary proteins. XVI. The minimum protein requirement of humans, tested with mixtures of whole egg plus potato and maize plus beans. Kofrányi E, et al. Hoppe Seylers Z Physiol Chem 351:1485-93, Dec 70
Nutritive value and organoleptic properties of three vegetables fresh and preserved in six different ways. Weits J, et al. Int Z Vitaminforsch 40:648-58, 1970
Microwave vs. conventional cooking of vegetables at high altitude. Bowman F, et al. J Am Diet Assoc 58:427-33, May 71
Effect of beet pulp and citrus pulp on rumination activity. Welch JG, et al. J Anim Sci 33:472-5, Aug 71
Symposium on microbial changes in foods. Bacterial spoilage of vegetables and certain fruits. Lund BM. J Appl Bacteriol 34:9-20, Mar 71
Effect of onion on serum cholesterol, lipoproteins and fibrinolytic activity of blood in alimentary lipaemia. Jain RC. J Assoc Physicians India 19:305-10, Apr 71
Studies of kallikrein inhibitors in potatoes. II. Effect of potato kallikrein inhibitors on various kallikreins and other proteases. Hojima Y, et al. J Biochem (Tokyo) 69:1027-32, Jun 71
Studies of kallikrein inhibitors in potatoes. I. Partial purification and some properties. Hojima Y, et al. J Biochem (Tokyo) 69:1019-25, Jun 71
Studies on sweet potato beta-amylase. I. Amino acid composition and terminal amino acid analysis. Uehara K, et al. J Biochem (Tokyo) 68:359-67, Sep 70
Effects of variety and maturity of carrots upon uptake of Endrin residues from soil. Hermanson HP, et al. J Econ Entomol 63:1651-4, Oct 70
Long-term effects of carbon in reducing uptake of insecticidal soil residues by crops. Lichtenstein EP, et al. J Econ Entomol 64:585-8, Jun 71
Bioactivity of dasanit in a mineral soil in rutabagas in the field and in storage, and effect of cooking on toxicants in the roots. Read DC. J Econ Entomol 64:597-601, Jun 71
The potato--worth its weight in gold. Colasmonno TM. J Sch Health 41:77-81, Feb 71
Urinary tract allergy. Unger DL. J Urol 105:867, Jun 71
Why Popeye took spinach. Hunter R. Lancet 1:746-7, 10 Apr 71
Popeye's influence overseas? Jelliffe DB. Lancet 1:1245, 12 Jun 71
Organic gardening. Rodale R. N Engl J Med 284:1273-4, 3 Jun 71
Rifamycin SV: effect on RNA synthesis in meristematic cells of Allium cepa. Nagi W. Naturwissenschaften 57:458, Sep 70
The biopsy-cucumber unit. A method to improve tissue orientation. Swan RW, et al. Obstet Gynecol 36:803-5, Nov 70
[Study of normal food waste. 2. Fresh vegetables] Chabert C, et al. Bull Inst Natl Sante Rech Med 24:1597-643, Nov-Dec 69 (Fre)
[Use of bean extracts for lymphocyte stimulation in vitro] Heine KM, et al. Z Med Labortech 12:1-8, 1971 (Ger)
[Influence of the type of the raw product and the storage conditions on the diacetyl level (diacetyl and acetoin) in tomato juice] Iwańska W, et al. Rocz Panstw Zaki Hig 21:311-8, 1970 (Pol)
[Effects of storage conditions on the nutritive value of dehydrated pea soups. I. Contents of available lysine] Kakowska-Lipińska I, et al. Rocz Panstw Zaki Hig 21:319-25, 1970 (Pol)
[Effects of storage conditions on the nutritional value of pea soup concentrates. 3. Chemical changes in fats and organoleptic features in concentrates] Ziombski H, et al. Rocz Panstw Zaki Hig 22:169-78, 1971 (Pol)
[The most convenient diet for humans] Róiz J. Rev Bras Med 26:284-7, May 69 (Por)
[Tissue differentiation of Solanum tuberosum L. shoot] Pogorelova OV. Farmatsiia 18:52-6, May-Jun 69 (Rus)
[Hygienic assessment of soil and plants treated with polychlorpinene] Kozhinova LA, et al. Gig Sanit 35:53-6, Aug 70 (Rus)
[Value of preserved juice of white cabbage in the complex therapy of peptic ulcer] Dunaevskiĭ GA, et al. Vopr Pitan 29:29-33, Jul-Aug 70 (Rus)
[Case of botulism from consumption of canned vegetables] Podreshetnikova NA, et al. Vopr Pitan 29:89, Nov-Dec 70 (Rus)
[Effect of nitrates in products of vegetable origin on methemoglobin formation] Subbotin FN, et al. Vopr Pitan 29:65-70, Sep-Oct 70 (Rus)
[Histochemical study of intracellular incorporations in yellow mosaic virus in bean] Bilyk LG, et al. Mikrobiol Zh 32:738-43, Nov-Dec 70 (Ukr)
[Agents of new cucumber bacterioses] Korobko AP. Mikrobiol Zh 33:46-53, 1971 (Ukr)
[Effect of peat inorganic bacterial fertilizers on potato and winter wheat yield] Mosiuk MF, et al. Mikrobiol Zh 33:222-8, Mar-Apr 71 (Ukr)
[Study of virus isolated from the potato plants of Parnassia, lubel' and Ostrovskii varieties affected with gothics] Moskovets SN, et al. Mikrobiol Zh 32:584-8, Sep-Oct 70 (Ukr)

ANALYSIS

Proteolytic enzymes and biological inhibitors. 3. Naturally occurring inhibitors in some animal and plant materials and their effect upon proteolytic enzymes of various origin. Fossum K. Acta Pathol Microbiol Scand [B] 78:741-54, 1970
Availability of iron from labeled wheat, chickpea, broad bean, and okra in anemic blood donors. Mameesh MS, et al. Am J Clin Nutr 23:1027-32, Aug 70
The quality of protein in various lines of peas. Bajaj S, et al. Br J Nutr 25:207-12, Mar 71
Thiopropanal S-oxide: a lachrymatory factor in onions. Brodnitz MH, et al. J Agric Food Chem 19:269-72, Mar-Apr 71
Effect of gamma radiation on polysaccharides and calcium distribution in carrot cell walls. Echandi RJ, et al. J Agric Food Chem 18:878-80, Sep-Oct 70
Removal of azodrin residues from tomatoes by commercial preparative methods. Fahey JE, et al. J Agric Food Chem 19:81-2, Jan-Feb 71
Determination of total residues of chlorphenamidine (N'-(4-chloro-o-tolyi)-N,N-dimethylformamine) in plant and soil material by colorimetry and thin-layer and electron capture gas chromatography. Geissbühler H, et al. J Agric Food Chem 19:365-71, Mar-Apr 71
Colorimetric microdetermination of Vitavax (5,6-dihydro-2-methyl-1,4-oxathiin-3-carboxanilide) residues in crops. Lane JR. J Agric Food Chem 18:409-12, May-Jun 70
Diazinon residues on field-sprayed kale hydroxydiazinon--a new alteration product of diazinon. Pardue JR, et al. J Agric Food Chem 18:405-8, May-Jun 70
Analysis of phosdrin in vegetables using gas-liquid

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

chromatography. Winterlin W, et al.
J Agric Food Chem 18:401-4, May-Jun 70
A screening method for organochlorine and -phosphorus pesticide residues in vegetables using thin-layer chromatography. Sandroni S, et al.
J Chromatogr 55:385-94, 3 Mar 71
Residues of aldrin, dieldrin, chlordane, and DDT in soil and sugarbeets. Onsager JA, et al.
J Econ Entomol 63:1143-6, Aug 70
Residues of ethylene dibromide, methyl bromide, and ethylene chlorobromide resulting from fumigation of fruits and vegetables infested with fruit flies. Seo ST, et al. J Econ Entomol 63:1093-7, Aug 70
Nitrate and nitrite nitrogen in fresh, stored and processed table beets and spinach from different levels of field nitrogen fertilization. Lee CY, et al.
J Sci Food Agric 22:90-2, Feb 71
Dangers of tomato juice.
N Engl J Med 284:1105, 13 May 71
Ribonucleic acid--a flavor precursor in potatoes. Buri R, et al. Naturwissenschaften 58:56, Jan 71
Colorimetric determination of tomatine in tomato plants. Sočič H. Planta Med 19:6-9, Oct 70
Relation between the efficiency of Rhizobia strains and the amino acid content in nodules and roots of some leguminous plants. Mahmoud SA, et al.
Zentralbl Bakteriol [Naturwiss] 126:18-32, 1971
[Vitamins C, B1 and B2 in asparagus. Variation in the course of growth, storing and cooking] Ournac A.
Aliment Vie 58:164-72, 1970 (Fre)
[Critical study of the data concerning the residue of pesticides upon fruits and vegetables. Results for 1968] Thomas G, et al.
Arch Belg Med Soc 27:223-8, Apr 69 (Fre)
[Hygienic problems raised by the carrot, particularly in the feeding of young children (methemoglobinemia, insecticide residues)] Gounelle de Pontanel H, et al.
Bull Acad Natl Med (Paris) 155:83-99, 2 Feb 71 (Fre)
[Lipids of the chloroplasts of tomato leaf: effects of light on their composition in fatty acids] Costes C, et al. C R Acad Sci [D] (Paris) 272:492-5, 18 Jan 71 (Fre)
[Enzymatic determination of cyclic adenosine 3', 5'-monophosphate in the seeds of lettuce, variety "Reine de mai"] Narayanan A, et al.
C R Acad Sci [D] (Paris) 271:2406-7, 21 Dec 70 (Fre)
[Are carcinogenic substances present in spinach?] Schmidt F.
Munch Med Wochenschr 112:2056, 6 Nov 70 (Ger)
[On nitrate and nitrite content of water in which spinach is boiled and its relation to methemoglobinemia in children] Cosa M, et al.
Nuovi Ann Ig Microbiol 19:509-21, Nov-Dec 68 (Ita)
[Contents of cystine in selected types of freeze-dried potatoes] Iwańska W, et al.
Roczn Panstw Zakl Hig 22:97-8, 1971 (Pol)
[Effects of storage on the nutritive value of dehydrated pea soups. II. Changes in the contents of some vitamins of the B group] Nadolna I, et al.
Roczn Panstw Zakl Hig 21:373-8, 1970 (Pol)
[Effect of technological processes and storage conditions upon the contents of folic acid in some canned vegetables] Suckewer A, et al.
Roczn Panstw Zakl Hig 21:619-29, 1970 (Pol)
[Pharmacognostic study of the sprouts of potato Solanum tuberosum L. as the source for solanine] Pogorelova OV. Farmatsiia 17:27-33, Jul-Aug 68 (Rus)
[Fluorine content of vegetable and melon crops with the use of mineral fertilizers in Uzbekistan] Tashbekov TU, et al. Gig Sanit 35:114-5, Aug 70 (Rus)
[Fatty acid composition of the lipids in peas] Axarova MV, et al. Vopr Pitan 30:67-9, 1971 (Rus)
[Adsorption methods of purifying plant samples for subsequent analysis of residues of organic chlorine pesticides by gas chromatography] Girenko DB, et al.
Vopr Pitan 29:79-81, Nov-Dec 70 (Rus)
[Method of determining residual quantities of a new fungicide, akrex, in cucumbers and drinking water] Shmigidina AM, et al.
Vopr Pitan 29:91-3, Sep-Oct 70 (Rus)
[Determination of polychlorpinene in food products in the presence of DDT and other organochlorine pesticides] Verbliudova NI, et al.
Vopr Pitan 29:89-91, Sep-Oct 70 (Rus)

VEGETARIANISM (E2)

Escherichia coli with resistance factors in vegetarians, babies, and nonvegetarians. Guinde P, et al.
Appl Microbiol 20:531-5, Oct 70
The effect of a strict vegetarian diet on the faecal flora and faecal steroid concentration. Aries VC, et al.
J Pathol 103:54-6, Jan 71
Possible effect of a vegan diet upon lung function and the cardiorespiratory response to submaximal exercise in healthy women. Cotes JE, et al.
J Physiol (Lond) 209:Suppl:30P+, Jul 70

VEHICLES (D13)

Vehicle role of petrolatum. Absorption studies with metallic test compounds in guinea pigs. Wahlberg JE.
Acta Derm Venereol (Stockh) 51:129-34, 1971
Role of cholesterol vehicle in experimental atherosclerosis. Kritchevsky D.
Am J Clin Nutr 23:1105-10, Aug 70
The influence of some components of the sweetener system on the palatability of oral solutions.
Am J Hosp Pharm 27:762-5, Sep 70
Ocular penetration of topically applied mannitol. Lazar M, et al. Am J Ophthalmol 70:849-51, Nov 70
Milk-out rates for antibiotics in intrama- mmary infusion products used in the treatment of bovine mastitis: relationship of somatic cell counts, milk production level, and drug vehicle. Mercer HD, et al.
Am J Vet Res 31:1549-60, Sep 70
A comparison of the gastrointestinal absorption profiles of theophylline from various vehicles. Diamond L.
Arch Int Pharmacodyn Ther 185:246-53, Jun 70
The influence of vehicle composition on the vasoconstrictor activity of betamethasone 17-benzoate. Pepler AF, et al.
Br J Dermatol 85:171-6, Aug 71
Effect of the vehicle in the bioassay of human chorionic gonadotropin. Giannattasio G, et al.
Experientia 26:1268, 15 Nov 70
Vehicle design for a new topical steroid, fluocinonide. Ostrenga J, et al. J Invest Dermatol 56:392-9, May 71
Prophylaxis of tinea pedis. Efficacy of tolnaftate powder and its talc-cornstarch base. Burrill BB, et al.
J Med Soc NJ 67:829-31, Oct 70
Effect of vehicles on metabolism of serotonin and imipramine. Ho BT, et al. J Pharm Sci 59:1780-2, Dec 70
[Sterilization and sterile preparations in pharmacy. 8. Water as a vehicle for sterile drugs] Burelová A, et al.
Cesk Farm 19:312-8, Oct 70 (Cze)
[Clinical trial of Acti 5 Syrup with children] Fontaine G, et al. Lille Med Suppl 2:221-3, Mar 69 (Fre)

ADVERSE EFFECTS

"Steroid-induced" mydriasis and ptosis. Newsome DA, et al. Invest Ophthalmol 10:424-9, Jun 71
Dangers of tomato juice.
N Engl J Med 284:1105, 13 May 71
Investigation of an outbreak of anticonvulsant intoxication. Tyrer JH, et al.
Proc Aust Assoc Neurol 7:15-8, 1970
[The role of various excipient components in contact allergy to antihistaminic creams] Zina G, et al.
G Ital Dermatol 44:328-32, Jul 69 (Ita)

ANALYSIS

[Analysis of ointments. 8. Study of the composition of spermaceti oil and of synthetic spermaceti] Carlier A, et al. Ann Pharm Fr 28:487-96, Jul-Aug 70 (Fre)

PHARMACODYNAMICS

Patch testing with potassium dichromate in different vehicles. Skog E, et al. G Ital Dermatol 44:467-9, Sep 69
The effect of solvents on the potency of chlordiazepoxide, diazepam, medazepam and nitrazepam. Crankshaw DP, et al.
J Pharm Pharmacol 23:313-21, May 71
[Determination of the bacteriostatic and fungistatic activity of several preservatives in the presence of various types of modern excipients for ointments] Jund Y, et al. Ann Pharm Fr 29:163-72, Mar 71 (Fre)
[Influence of various fatty excipients on the healing processes of experimental burns in mice] Frati C, et al. G Ital Dermatol 46:26-30, Jan 71 (Ita)

TOXICITY

Propylene glycol: a potentially toxic vehicle in liquid dosage form. Martin G, et al. J Pediatr 77:877-8, Nov 70

VEILLONELLA (B3)

ANALYSIS

Chemical composition of endotoxin from oral Veillonella. Hofstad T, et al.
Acta Pathol Microbiol Scand [B] 78:760-4, 1970
Occurrence of 3-hydroxytridecanoic and 3-hydroxypentadecanoic acids in the lipopolysaccharides of Veillonella. Bishop DG, et al.
Biochim Biophys Acta 231:274-6, 16 Mar 71
Biochemical studies on lipopolysaccharides of Veillonella. Bishop DG, et al.
Eur J Biochem 19:169-75, 11 Mar 71

ENZYMOLOGY

Regulatory properties of acetokinase from Veillonella alcalescens. Peiroy RA, et al.
J Bacteriol 105:259-67, Jan 71

METABOLISM

Lactate metabolism by Veillonella parvula. Ng SK, et al.
J Bacteriol 105:999-1005, Mar 71

VEINS (A7)

Venous aneurysm of the upper extremity: a case report. Buckberg GD, et al. Am Surg 37:83-6, Feb 71
Venous aneurysm of the parotid gland; case report. Strome M. Ann Otol Rhinol Laryngol 79:1019-21, Oct 70
Peritoneoscopic features of intraabdominal vessels in cirrhosis of the liver. Jori GP, et al.
Gut 12:237-44, Apr 71
Venomotor responses to rapid changes in skin temperature in exercising man. Rowell LB, et al.
J Appl Physiol 30:64-71, Jan 71
Venomotor responses to local and remote thermal stimuli to skin in exercising man. Rowell LB, et al.
J Appl Physiol 30:72-7, Jan 71
Perceptual relationships to peripheral venous tone. Silverman AJ, et al.
J Psychosom Res 15:199-205, Jun 71
Studies on the relationship between venous pressure and arterio-venous difference of plasma osmolality in congestive heart failure. Hayase S, et al.
Jap Circ J 34:1165-75, Dec 70
Experimental studies on the relationship between the elevated venous pressure and osmotal arterio-venous difference. Kondo Y. Jap Circ J 34:1177-96, Dec 70
Relationship between venous flow and colonic peristalsis. Semba T, et al.
Jap J Physiol 20:406-16, Aug 70
A method of inserting catheters into veins. McCallum IG. Med J Aust 2:755, 17 Oct 70
Intracranial A-V malformation associated with cranial bruit and cervical venous hum. Cartlidge NE, et al.
Postgrad Med J 46:726-8, Dec 70
A method for cannulating the gastrosplenic vein of sheep. Hecker JF. Res Vet Sci 11:375-6, Jul 70
Lower limb venous dynamics in normal persons and children of patients with varicose veins. Reagan B, et al. Surg Gynecol Obstet 132:15-8, Jan 71
Complications after outpatient surgery for varicose veins and perforator incompetence. Haeger K.
Vasc Surg 4:238-44, Dec 70
Changes following emboli in small veins. Warren BA.
Vasc Surg 2:205-13, Dec 68
The medical treatment of chronic venous insufficiency (C.V.I.). Leu HJ. Zentralbl Phlebol 10:60-3, 1971
[Hemoperitoneum due to rupture of the veins of the broad ligament] Gautier-Benoit C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:468-9, Sep-Oct 70 (Fre)
[Study in phlebology of a new anti-inflammatory cream] Babilliot J.
Phlebologie 24:187-90, Apr-Jun 71 (Fre)
[Venous disorders and gynecology] Canel Y.
Presse Therm Climat 106:195-200, 1969 (Fre)
[Connective tissue reaction potentiality of the venous wall] Louvel J.
Presse Therm Climat 106:183-6, 1969 (Fre)
[Diagnosis of venous diseases] Köhler M.
Med Klin 65:967-71, 15 May 70 (33 ref.) (Ger)
[Veno-Tebonin--a new drug substance trias in venous diseases] Heynen U.
Z Allgemeinmed 46:1474-5, 20 Oct 70 (Ger)
[X-ray inflammation irradiation in the therapy of venopathies and its complications] Nikolowski W.
Z Haut Geschlechtskr 45:403-6, 15 May 70 (Ger)
[Venous access as a source of infection] Satter P, et al.
Zentralbl Chir 96:513-9, 10 Apr 71 (Ger)
[On central and median venous pressure during thiamine synaptoanalgesia] Zaffiri O, et al.
Acta Anaesthesiol (Padova) 19:Suppl 1:161+, 1968 (Ita)
[On arterial and venous blood supply of the adrenal glands in small ruminants] Russo E, et al.
Boll Soc Ital Biol Sper 45:1639-41, 31 Dec 69 (Ita)
[Arterial and venous functional exploration by means of the Doppler effect] Garbini GC, et al.
Boll Soc Ital Cardiol 15:812-9, 1970 (Ita)
[Capillary permeability in the inner ear. Microcirculatory studies in vivo] Cherubino M, et al.
Minerva Med 62:450-4, 3 Feb 71 (Ita)
[Mechanical left ventricle method for estimating the effect of drugs on venous return] Horiguchi Y.
Folia Pharmacol Jap 66:875-88, 1970 (Jap)
[A study on corticotropin releasing factor in the blood of the hypophysial portal vessels in dogs] Ofuji T, et al. J Jap Soc Intern Med 60:711-20, Aug 71 (Jap)
[Case of phlebolithiasis of the left submandibular region] Hishinuma F, et al.
Otolaryngology (Tokyo) 43:469-72, Jun 71 (Jap)
[Ovarian vein syndrome] Liavåg I, et al.
Tidsskr Nor Laegeforen 91:1541-4, 10 Aug 71 (Nor)
[Effect of venous stasis on the activity of fibrinolytic and kininogenic systems in patients with bronchial asthma] Lukjan H, et al.
Pol Tyg Lek 26:167-9, 1 Feb 71 (Pol)
[Pain syndromes in chronic venous insufficiency of lower extremities] Salamon Z.
Wiad Lek 24:1061-5, 1 Jun 71 (7 ref.) (Pol)
[Classification and nomenclature of the cerebral veins] Bekov DB.
Arkh Anat Gistol Embriol 59:105-12, Aug 70 (Rus)
[Method of bichromatic transcapillary injection of blood vessels] Kamilov KhKh.
Arkh Anat Gistol Embriol 59:104-5, Jul 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Comparative characteristics of blood supply to vertebral venous plexuses in man and dog] Loginova LA. Arkh Anat Gistol Embriol 58:50-5, Nov 70 (Rus)
[Specific biological method of determining free kinins in venous blood of man and animals] Surovikina MS. Biull Eksp Biol Med 71:123-5, May 71 (Rus)
[Use of venous pulse monitors for registering sphygmograms] Valtneris AD. Biull Eksp Biol Med 67:118-9, Jun 69 (Rus)
[Diagnosis and surgery of venous aneurysms and phlebectasia] Pokrovskif AV, et al. Khirurgiia (Mosk) 46:127-32, Apr 70 (Rus)
[Clinical picture and treatment of chronic venous insufficiency of the lower extremities] Trubachev VI. Khirurgiia (Mosk) 46:78-83, Dec 70 (Rus)
[3-stage manometric marching test as a method of differential diagnosis and evaluation of treatment effectiveness in diseases of the veins of the lower extremities] Bernshtein MI. Klin Khir 8:18-21, Aug 70 (Rus)
[Infrared thermography in the diagnosis of chronic venous insufficiency of the lower extremities] Vykhovskaia AG, et al. Klin Khir 8:13-8, Aug 70 (Rus)
[Simultaneous ligation of arteries and veins or reduced collateral circulation] Leftes AL. Sov Zdravookhr Kirg 4:3-8, Jul-Aug 70 (Rus)
[Study of the superficial veins of the leg using infrared photography] Kallistov BM, et al. Vestn Khir 105:80-2, Nov 70 (Rus)
[Surgery of chronic venous insufficiency of the lower extremities] Vasiliuk MD. Vestn Khir 105:75-8, Aug 70 (Rus)
[Free amio acid encentration in the placenta, umbilical cord blood and venous blood in women during premature labor] Pogorelova TN. Vopr Med Khim 16:339-42, Jul-Aug 70 (Rus)
[Venous anastomoses of the human placenta] Bekova KS. Vopr Okhr Materin Det 15:52-9, Oct 70 (Rus)
[Experience in organizing the dispensary treatment of patients with diseases of viens of the lower extremities and pelvis] Zhukov EA, et al. Zdravookhr Ross Fed 14:20-2, Sep 70 (Rus)
[Intravasation as a complication in hysterosalpingography] Aznar Ramos R, et al. Ginecol Obstet Mex 26:379-87, Sep 69 (Spa)
[A phlebo-arthrosic complex] Krieg E. Phlebologie 23:311-8, Oct-Dec 70 (Mul)

ABNORMALITIES

Venous malformations in the orbit. Lloyd GA, et al. Br J Ophthalmol 55:505-16, Aug 71
[Deep venous malformations and Klippel-Trenaunay syndrome. Apropos of 5 cases] Bonte G, et al. Angeiologie 23:37-42 passim, Jan-Feb 71 (Fre)
[Klippel-Trenaunay syndrome caused by congenital venous malformations. 2 cases] Langeron P, et al. J Sci Med Lille 88:587-93, Nov 70 (Fre)
[Deep cerebrovascular malformation complicated by multiple splenic cysts] Mino M, et al. Jap J Clin Med 29:1605-10, 1971 (Jap)
[Congenital absence of the valve apparatus of the deep veins in the leg] Zelenin RP. Vestn Khir 105:50-2, Oct 70 (Rus)
[Angiographic and morphologic characteristics of several types of angiodysplasias] Isakov IuF, et al. Vopr Okhr Materin Det 15:59-64, Nov 70 (Rus)
[Anomalies of venous drainage in a case of levocardia and a healthy heart] Valle Tudela V, et al. Rev Esp Cardiol 23:265-74, Jun 70 (Spa)
[Anomalous venous return in cor triloculare] Benedeková M. Cesk Pediatr 25:600-1, Dec 70 (Slo)

ANALYSIS

Thiamine content of human arterial and venous tissue. Kheim T, et al. Atherosclerosis 12:207-10, Sep-Oct 70
IgG immunoglobulin in the wall of post-capillary venules: possible relationship to lymphocyte recirculation. Sordat B, et al. Immunology 20:115-8, Jan 71
[Comparative study of blood serum proteins in marrow and peripheral veins in adrenalectomized dogs] Valueva TK. Fiziol Zh 16:29-33, Jan-Feb 70 (Ukr)

ANATOMY & HISTOLOGY

Considerations on the muscularis mucosae and its relations with veins at the esophagogastric transition zone. Ferraz de Carvalho CA. Acta Anat (Basel) 78:559-73, 1971
Observations on the blood vessels of the pig iris. Saari M. Acta Ophthalmol (Kbh) 49:34-46, 1971
Topometric positions of venous angles in intracranial expansive lesions. Probst FP. Acta Radiol [Diagn] (Stockh) 10:353-8, Sep 70
Microvascular organization of the adult human testis. Kormano M, et al. Anat Rec 170:31-9, May 71
Vein of Galen ligation in the primate. Angiographic, gross, and light microscopic evaluation. Hammock MK, et al. J Neurosurg 34:77-83, Jan 71
Anatomy of the normal adrenal vein. Puxtilo DT. JAMA 215:1239, 22 Feb 71
Lymphographic visualization of lymphaticovenous communications and their significance in malignant hemolymphopathies. Roxin T, et al. Lymphology 3:127-35, Sep 70
Portosystemic communications in the cat. Khan IR, et al. Res Vet Sci 12:215-8, May 71
Studies on the microscopic anatomy of the veins in the esophagogastric transition zone in man. Carvalho CA de. Rev Hosp Clin Fac Med Sao Paulo 25:289-302, Sep-Oct 70
[Venous system of the Viper Vipera aspis (L)-Reptilia-Ophidia-Viperidae] Lécuru-Renous S, et al. Gegenbaurs Morphol Jahrb 115:238-56, 1970 (Fre)
[Preliminary note on the anatomy of superficial veins in dogs] Vuillard P, et al. Lyon Med 225:1011-3, 23 May 71 (Fre)
[The vascular system of the skeletal muscles] Stingl J. Acta Anat (Basel) 76:488-504, 1970 (Ger)
[The problem of pneumatization of the frontal sinuses from the dynamic view. II. Vein connections of the frontal sinus areas with the superior sagittal sinus. Studies by direct postmortem sinusography] Süsse HJ, et al. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 190:183-93, 1968 (Ger)
[Angiographic study of the vertebro-basilar venous system. X. Confluents in the internal cerebral vein] Rosa M, et al. Sist Nerv 21:343-7, Nov-Dec 69 (Ita)
[Diagnostic significance of the medical inferior cerebellar vein. 1. Anatomical study] Mine T. Brain Nerve (Tokyo) 23:129-41, Feb 71 (Jap)
[Wall structure of the normal testicular vein and in varicocele] Szypura E, et al. Folia Morphol (Warsz) 30:223-32, 1971 (Pol)
[On the fine venous archiecture of the esophagogastric transition region in the dog and its value in the evaluation of experimental studies] Carvalho CA de, et al. Rev Hosp Clin Fac Med Sao Paulo 25:337-44, Nov 70 (Por)
[Paravascular canal of human placenta] Bekova KS. Akush Ginekol (Mosk) 46:51-5, May 70 (Rus)
[Anastomoses of the veins of the gyri and sulci in the human cerebrum] Bekov DB. Arkh Anat Gistol Embriol 59:68-77, Jul 70 (Rus)
[Functional anatomy of collateral communications between vertebral veins and adjacent organs] Markhashov AM. Arkh Anat Gistol Embriol 59:104-9, Sep 70 (Rus)
[Functional anatomy of the venous sinuses of the human dura mater] Mikhailov SS, et al. Arkh Anat Gistol Embriol 59:3-11, Jul 70 (Rus)
[Architecture of veins in the human optic thalamus] Popova EF. Arkh Anat Gistol Embriol 60:37-40, 1971 (Rus)
[Method of preparing total corrosion preparations of the human cerebral venous system from butacryl plastics] Tkachenko DA. Arkh Anat Gistol Embriol 57:77-9, 1969 (Rus)

CYTOLOGY

Light and electron microscopic studies of the paracortical post-capillary high-endothelial venules. Claesson MH, et al. Z Zellforsch Mikrosk Anat 119:195-207, 1971
[Formation of epitheloid cell-containing intima cushions in the wall of small venous anastomoses in the dorsum pedis of dogs] Lassmann G, et al. Acta Anat (Basel) 75:47-53, 1970 (Ger)
[The fine structural changes in the venules and capillaries under the influence of female sex hormones] Grieshaber E, et al. Pathol Microbiol (Basel) 35:233-66, 1970 (Ger)
[Fine structural features and function of autonomously contractile vessels of vertebrates] Schipp R, et al. Z Anat Entwicklungsgesch 134:81-100, 1971 (Ger)

DRUG EFFECTS

Venous responses to prostaglandin F2 alpha. Mark AL, et al. Am J Physiol 220:222-6, Jan 71
Effect of cooling on beta-receptor mechanisms in isolated saphenous veins of the dog. Vanhoutte PM, et al. Arch Int Pharmacodyn Ther 185:208, May 70
A new method for studing the pharmacology of the superficial veins in conscious man. Collier JG, et al. Br J Pharmacol 40:574P+, Nov 70
Effects of angiographic contrast media and hypertonic saline solutions on cerebral venous outflow in autoregulating brains. Uiano HB, et al. Invest Radiol 5:518-33, Nov-Dec 70
The activity pattern, in isolated veins, of a benzyl glucofuranoside derivative possessing combined anti-inflammatory and venotropic effects. Jaques R. Pharmacology 4:193-202, 1970
Inhibition of venoconstrictor responses by prostaglandin E1. Hedwall PR, et al. Proc Soc Exp Biol Med 135:757-9, Dec 70
[The response of venous vascular tone, orthostatic regulatory capacity and clotting potential under the influence of an ovulation inhibitor] Schneider HJ, et al. Arch Gynaekol 209:96-105, 1970 (Ger)
[Microcirculatory activity in rats during treatment with various vasoactive substances] Bocconi GA, et al. Minerva Anestesiol 35:1274-9, Dec 69 (Ita)
[Basic consideration on drug sensitivity of the circulatory system, with special reference to the venous system] Shigei T. Jap J Anesthesiol 20:1-4, Jan 71 (Jap)
[Effect of some pharmacologic substances on the venous tone] Allaberdin UT. Farmakol Toksikol 34:181-3, 1971 (Rus)

EMBRYOLOGY

Observations on the phrenic nerves and the ductus venosus in human embryos and fetuses. Pearson AA, et al. Am J Obstet Gynecol 110:500-5, 15 Jun 71
The common cardinal veins in the chick embryo: their origin and development as studied by radioautographic mapping. Rosenquist GC. Anat Rec 169:501-7, Mar 71

ENZYMOLOGY

Fibrinolytic activity of veins during pregnancy. Astedt B, et al. Acta Obstet Gynecol Scand 49:171-3, 1970

INJURIES

The adrenal glands after epinephro-phlebography. Mikaelsson CG. Acta Radiol [Diagn] (Stockh) 11:65-77, Jan 71
Role of arteriovenous shunts in venous reconstruction. Levin PM, et al. Am J Surg 122:183-91, Aug 71
Objective measurement of platelet activity in vivo. McKenzie FN, et al. Br J Surg 58:305, Apr 71
Management of acute vascular injuries. Adar R, et al. J Cardiovasc Surg (Torino) 11:435-9, Nov-Dec 70
Delayed vascular complications in Vietnam casualties. Winegarner FG, et al. J Trauma 10:867-73, Oct 70
[Importance of venous reparation in recent wounds of arterial and venous trunks of the lower limb] Natali J, et al. J Chir (Paris) 100:281-4, Oct 70 (Fre)
[Excessive intraabdominal hemorrhage from a ruptured pelvic vein in pregnancy] Reiner K, et al. Wien Med Wochenschr 120:521-3, 4 Jul 70 (Ger)
[Trauma and traumatic thromboses of leg veins] Dauderis IP. Ortop Travmatol Protez 31:1-5, Jul 70 (Rus)

METABOLISM

The termination of action of catecholamines in the isolated venous tissue of the dog. Oswald W, et al. Naunyn Schmiedebergs Arch Pharmakol 269:15-31, 1971

PATHOLOGY

Phlebographic changes in arteriomegaly. Thomas ML, et al. Acta Radiol [Diagn] (Stockh) 10:427-32, Sep 70
Cardiac vein involvement in carcinoid syndrome: possible evidence of retrograde blood flow in cardiac veins in tricuspid insufficiency. Ludwig J. Am J Clin Pathol 55:617-23, May 71
Retinochoroidal vascular anastomoses in uveitis. Kennedy JE, et al. Am J Ophthalmol 71:1221-5, Jun 71
Experimental atherosclerosis in autogenous venous grafts. Scott HW Jr, et al. Arch Surg 101:577-82, Dec 70
Postcapillary venules of the lymph node type in the thymus in myasthenia. Söderström N, et al. Lab Invest 23:451-8, Nov 70
[Microradiography and histology studies on the morphology of venous calcification] Steinig HH, et al. Fortschr Geb Roentgenstr Nuklearmed 112:324-31, Mar 70 (Ger)
[Intravenous-growing uterine myoma] Petrow N, et al. Zdrav Prac 113:24-31, 1970 (Ger)
[Morphologic changes in venous transplants in stapedoplasty] Buvailo SA, et al. Vestn Otorinolaringol 32:25-9, Jul-Aug 70 (Rus)

PHYSIOLOGY

Variations in external calcium concentration and sensitivity of venous smooth muscle to temperature changes. Heyndrickx G, et al. Arch Int Physiol Biochim 79:169-70, Jan 71
Effects of arterial and venous occlusion on submaxiliary gland secretion in rats. Suddick RP, et al. Arch Oral Biol 16:589-16, May 71
On the motion of blood in the veins. Lord Cohen of Birkenhea. Br Med J 3:551-7, 4 Sep 71
Simplified method for measuring compliance of superficial veins. Nachev C, et al. Cardiovasc Res 5:147-56, Jan 71
Mechanics of distension of dog veins and other very thin-walled tubular structures. Moreno AH, et al. Circ Res 27:1069-80, Dec 70
Total systemic vascular compliance measured as incremental volume-pressure ratio. Shoukas AA, et al. Circ Res 28:277-89, Feb 71
Influence of peristaltic contraction of the stomach on blood flow through the gastrosplenic vein. Semba T, et al. Hiroshima J Med Sci 19:87-97, Sep 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Distribution of coronary venous flow. Scharf SM, et al. J Appl Physiol 30:657-62, May 71

Potentiation of adrenergic venomotor responses by angiotensin, prostaglandin F 2 and cocaine. Kadowitz PJ, et al. J Pharmacol Exp Ther 176:167-73, Jan 71

Personality, stress, and venous flow rates. Silverman AJ, et al. J Psychosom Res 15:315-22, Sep 71

Experimental ovarian vein dilation. Southwell TH, et al. J Urol 105:346-50, Mar 71

[Changes of the blood volume of the trunk in orthostatic immediate circulatory regulation. 3. Blood shifting, vein tonus and temporalis pulse in orthostatic immediate regulation] De Marées H. Aerztl Forsch 24:249-56, 10 Sep 70 (Ger)

[Venomotoric reactions during labor] Babenerd J, et al. Arch Gynaekol 209:420-6, 1971 (Ger)

[Behavior of the venous vascular bed during labor] Babenerd J. Arch Gynaekol 211:350, 4 Jun 71 (Ger)

[Venous motoricity in oxygen inhalation during pregnancy and puerperium] Göltner E. Arch Gynaekol 211:259-61, 4 Jun 71 (Ger)

[Venous tone and labor activity] Babenerd J, et al. Zentralbl Gynaekol 92:1527-31, 14 Nov 70 (Ger)

[Functional studies of the venous system of the lower extremity. Venous capacity and drainability in healthy subjects and in patients with peripheral venopathy] Kuhn E. Zentralbl Phlebol 10:47-59, 1971 (Ger)

[Venous stasis and factor VIII. Relationship with the increase of fibrinolytic activity] Bizzi B, et al. Haematologica 55:295-308, 1970 (Ita)

[Similarities and differences in the intratrunk angioarchitectonics of some cranial and spinal nerves during experimental collateral circulation] Loftes AL, et al. Arkh Anat Gistol Embriol 57:57-63, 1969 (Rus)

[Functional anatomy of the venous sinuses of the human dura mater] Mikhaflov SS, et al. Arkh Anat Gistol Embriol 59:3-11, Jul 70 (Rus)

[Sequelae of exclusion of the striate veins (experimental-morphological study)] Riasina TV. Arkh Patol 32:57-61, 1970 (Rus)

[Reflex changes in the tonus of venous vessels] Bratus' VV, et al. Biull Eksp Biol Med 71:6-8, Jan 71 (Rus)

[Effect of blood coagulation activity on the transmural potential of vessel walls] Markosian AA, et al. Fiziol Zh SSSR 56:1451-6, Oct 70 (Rus)

PHYSIOPATHOLOGY

Forearm venous reflex activity in normal and essential hypertensive subjects. Harrison LH Jr, et al. Angiologica 7:204-11, 1970

Venous pulse wave propagation velocity in hemorrhage. Felix WR Jr, et al. Arch Surg 102:53-6, Jan 71

Changes in the venous circulation occurring in lymphoedema of the leg--a clinical and experimental study. Pflug JJ, et al. Br J Surg 58:307, Apr 71

Role of the veins in shock. Hinshaw LB. J Okla State Med Assoc 63:106-16, Mar 70

The effect of surgical operation on the velocity of venous return from the legs. Makin GS. J Surg Res 10:513-8, Nov 70

The morphology of acid mucosubstances in leukocytic sticking to endothelium in acute inflammation. Jones DB. Lab Invest 23:606-11, Dec 70

The cardiac lymphatics after ligation of the coronary sinus. Leeds SE, et al. Proc Soc Exp Biol Med 135:59-62, Oct 70

[Effects of hypoxia on venous smooth muscle] Vanhoutte P. J Physiol (Paris) 62:Suppl 3:456, 1970 (Fre)

[The calf-muscle pump. New concepts on the physio-pathology of venous drainage] Netzer CO. Munch Med Wochenschr 113:1001-6, 2 Jul 71 (Ger)

[Capacity changes in the blood vessels of extremity following surgical corrective of heart defects] Delius W. Z Kreislaufforsch 58:1283-91, Dec 69 (Ger)

[Arterial blood pressure in chronic venous insufficiency] Barth A, et al. Zentralbl Phlebol 10:2-9, 1971 (Ger)

[Analysis of the electric activity of the vascular wall in experimental atherosclerosis] Chepurov AK. Biull Eksp Biol Med 71:31-4, May 71 (Rus)

RADIATION EFFECTS

[The condition of the venous and lymphatic network under the influence of ionizing radiation] Khudaiberdyev RI, et al. Med Radiol (Mosk) 16:50-3, Mar 71 (Rus)

RADIOGRAPHY

[Further indications for fluorescein angiography of the anterior segment of the eye. Aqueous veins] Amairic P, et al. Ann Oculi (Paris) 204:469-80, May 71 (Fre)

[Diagnostic significance of the medial inferior cerebellar vein. 2. Clinical study] Mine T. Brain Nerve (Tokyo) 23:639-49, Jun 71 (Jap)

SECRETION

[The mechanism of hypercoagulation and hyperfibrinolysis development in acute hypoxia] Kuznik BI, et al. Biull Eksp Biol Med 68:29-32, Sep 68 (Rus)

SURGERY

Catheter placement in infants needing total parenteral nutrition utilizing common facial vein. Zumbro GL Jr, et al. Arch Surg 102:71-3, Jan 71

The place of subfascial ligation of perforating veins in the treatment of the post-phlebitic syndrome. Halliday P. Br J Surg 58:104-11, Feb 71

Technical problems in direct left gastric vein diversion. Waddell WG, et al. Br J Surg 57:856, Nov 70

Venous reconstruction in postphlebitic disease. Husni EA. Circulation 43:Suppl 1:147+, May 71

An experimental and clinical evaluation of grafts in the venous system. Haimovici H, et al. Surg Gynecol Obstet 131:1173-86, Dec 70 (109 ref.)

[Importance of venous reparation in recent wounds of arterial and venous trunks of the lower limb] Natali J, et al. J Chir (Paris) 100:281-4, Oct 70 (Fre)

[Cervical lympho-venous anastomosis in portal hypertension of liver cirrhosis] Koch W, et al. Langenbecks Arch Chir 322:742-4, 1968 (Ger)

[Recent developments in the surgery of veins] Müller-Wiefel H. Med Monatsschr 25:167-73, Apr 71 (53 ref.) (Ger)

[Experimental studies on continuous local infusion of anticoagulants for reconstruction of small veins] Tsuruta K. J Kumamoto Med Soc 44:910-25, 25 Oct 70 (Jap)

[Treatment of primary lymphatic edema of the extremities using a lympho-venous fistula] Politovski M, et al. Khirurgiia (Mosk) 22:121-4, Apr 69 (Rus)

[Metallocelastic catheter for removal of the major subcutaneous vein] Glivenko IuA, et al. Klin Khir 1:74, Jan 70 (Rus)

[Lymphaticovenous anastomosis as a treatment of lymphedema] Martorell F. Angiologia 21:61-3, Mar-Apr 69 (Spa)

TRANSPLANTATION

[Revascularization of the leg axes (31 cases)] Cormier JM, et al. Acta Otorhinolaryngol Belg 23:259-74, 1969

Response of a cardiovascular surgeon to the editorial of Henry A. Zimmerman. McGoon DC. Am Heart J 80:586, Nov 70

And now--vein grafts. Zimmerman HA. Am Heart J 80:585, Nov 70

Arterial reconstruction about and below the knee: another look. DeLaurentis DA, et al. Am J Surg 121:392-7, Apr 71

Revascularization of the heart. Aortocoronary bypass in sixty-three patients. Hallin RW, et al. Am J Surg 122:164-8, Aug 71

Role of arteriovenous shunts in venous reconstruction. Levin PM, et al. Am J Surg 122:183-91, Aug 71

Direct coronary artery surgery for coronary artery occlusive disease. Mundth ED, et al. Am J Surg 121:478-84, Apr 71

A comparison of femoral artery grafts in diabetic and nondiabetic patients. Stipa S, et al. Am J Surg 121:223-8, Mar 71

A technic for investigating early allograft failure in venous replacement. Dixon CE, et al. Am Surg 36:742-9, Dec 70

Experience with fresh venous allografts as an arterial substitute. Ochsner JL, et al. Ann Surg 173:933-9, Jun 71

Bypass grafting for occlusive disease of the coronary arteries: a report of experience with 195 patients. Spencer FC, et al. Ann Surg 173:1029-44, Jun 71

Coronary artery bypass in totally obstructed major coronary arteries. Reul GJ, et al. Arch Surg 102:373-9, Apr 71

Experimental atherosclerosis in autogenous venous grafts. Scott HW Jr, et al. Arch Surg 101:677-82, Dec 70

Femoral-popliteal occlusive disease. Saphenous vein bypass grafts below the knee: analysis of 85 consecutive cases. Shore E, et al. Arch Surg 102:548-51, Jun 71

Femoropopliteal reconstruction in the aging. Sogocio RM, et al. Arch Surg 103:345-7, Sep 71

Rupture of the brachial artery from posterior dislocation of the elbow treated by vein-graft. A case report. Sullivan MF. Br J Surg 58:470-1, Jun 71

Emergency vein bypass for the pre-infarction syndrome. Vogel JH, et al. Chest 59:606-9, Jun 71

Blood flow in the diabetic leg. Barner HB, et al. Circulation 43:391-4, Mar 71

An evaluation of autogenous and synthetic grafts in small artery reconstruction: an experimental study. Saini VK, et al. Indian J Med Res 57:1512-7, Aug 69

Distal arterial reconstruction (tibial and peroneal arteries) for lower limb ischemia. Faidutti B, et al. J Cardiovasc Surg (Torino) 11:378-84, Sep-Oct 70

Some remarks on revascularisation of the leg arteries. Fontaine JL. J Cardiovasc Surg (Torino) 11:385-8, Sep-Oct 70

Aneurysms in autologous venous patches used for arterial reconstruction. A late complication. Steenaert B, et al. J Cardiovasc Surg (Torino) 11:183-7, May-Jun 70

Saphenous, cephalic and basilic veins for axillo-femoral by-pass grafts. Stipa S. J Cardiovasc Surg (Torino) 12:30-2, Jan-Feb 71

Cardiovascular heterografts. Witoszka MM, et al. J Cardiovasc Surg (Torino) 11:341-9, Sep-Oct 70

Common carotid to intracranial internal carotid bypass venous graft. Technical note. Lougheed WM, et al. J Neurosurg 34:114-8, Jan 71

Stapedectomy and vein graft--in retrospect. Willis R. J Otolaryngol Soc Aust 3:229-34, Mar 71

Progression of proximal coronary artery lesions to total occlusion after aorta-coronary saphenous vein bypass grafting. Aldridge HE, et al. J Thorac Cardiovasc Surg 62:7-11, Jul 71

Myocardial revascularization--direct or indirect? Effler DB. J Thorac Cardiovasc Surg 61:498-500, Mar 71

The augmentation of peripheral forward blood flow by prevention of flow reversal with a vein valve. Phillips SJ. J Thorac Cardiovasc Surg 61:746-51, May 71

Reconstruction of the left anterior descending coronary arery. Proximal ein bypass graft and distal gas endarterectomy. Urschel HC, et al. JAMA 16:141-3, 15 Apr 71

Bypass grafting for occlusive disease of the coronary arteries. Spencer FC. Md State Med J 20:68-73, May 71

Surgically created arteriovenous fistula to augment the cephalic vein: use as an arterial bypass graft. Beals RL. N Engl J Med 285:29-30, 1 Jul 71

Aortocoronary bypass vein grafts: angiographic and clinical results at one year. Sauvage LR, et al. Northwest Med 70:97-100, Feb 71

Emergency reconstruction of the superior vena cava. Beattie EJ Jr, et al. Surg Clin North Am 50:959-67, Oct 70

Simultaneous peripheral coronary endarterectomy and bypass graft in coronary artery obstruction. Absolon KB, et al. Surg Gynecol Obstet 132:1083-5, Jun 71

An experimental and clinical evaluation of grafts in the venous system. Haimovici H, et al. Surg Gynecol Obstet 131:1173-86, Dec 70 (109 ref.)

The surgical treatment of renal artery embolism with anuria. Lacombe M. Surg Gynecol Obstet 133:419-24, Sep 71

Femoropopliteal reconstruction for advanced ischemia of the lower limb. Blumenberg RM, et al. Surgery 69:87-92, Jan 71

Choice of saphenous vein segments for aortocoronary grafts. Green GE, et al. Surgery 69:924-7, Jun 71

Long-term results of microvascular repair and replacement. Khodadad G. Surgery 69:397-403, Mar 71

Effects of decreased arterial inflow and runoff on vein graft patency. Kirkpatrick JR, et al. Surgery 69:870-3, Jun 71

Myocardial revascularization for the treatment of cardiogenic shock complicating acute myocardial infarction. Mundth ED, et al. Surgery 70:78-87, Jul 71

Long-term behavior of vein grafts as replacements for arterial segments within the peritoneal cavity. Ramirez A, et al. Surgery 69:832-8, Jun 71

Surgical treatment of coronary artery disease. Howell JF, et al. Tex Med 67:48-53, Jun 71

A 15-year report on fenestration of the oval window. Shea JJ Jr. Trans Am Acad Ophthalmol Otolaryngol 75:31-47, Jan-Feb 71

[Surgical treatment of eye watering: repair of the canaliculus with a venous graft (technic)] Paufique L, et al. Ann Oculi (Paris) 202:337-44, Apr 69 (Fre)

[Solitary aneurysm of the right coronary artery treated successfully by resection and saphenous graft] Kaufmann H, et al. Arch Mal Coeur 63:1154-66, Aug 70 (Fre)

[Creation of an arteriovenous anastomosis by transposition of a saphenous graft to the arm] Dupoux J, et al. Bord Med 3:2261-2 passim, Oct 70 (Fre)

[Diffuse coronary obstructive atheroma. Revascularization of the myocardium by saphenous graft between the aorta and the right coronary artery combined with resection of a post-infarctus aneurysm of the left ventricle; recovery] Michaud M, et al. Experientia 27:369-72, 15 Jan 71 (Fre)

[Revascularization of the leg axes (31 cases)] Cormier JM, et al. J Chir (Paris) 101:259-74, Mar 71 (Fre)

[A common carotid-internal carotid saphenous vein bridging (apropos of a case handled as an emergency)] Foulquier A, et al. Rev Laryngol Otol Rhinol (Bord) 92:359-64, May-Jun 71 (Fre)

[Myringoplasty by means of a vein graft] Miyoshi T, et al. Otolaryngology (Tokyo) 43:25-30, Jan 71 (Jap)

[Morphogenesis of a newly formed arterial intima in an autogenous patch grafts and terital grafts in dogs] Nowak HF, et al. Rocz Akad Med Bialymstoku 15:309-17, 1970 (Pol)

[Surgery and revascularization in acute myocardial infarct] Macruz R, et al. Arq Bras Cardiol 23:353-68, Dec 70 (Por)

[Surgery in the superior vena cava syndrome using semibiological protheses] Pokrovskiĭ AV, et al. Grudn Khir 12:3-8, Sep-Oct 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Plastic repair of lateral defects of the abdominal aorta using a patch-graft from a double autovenous wall] Siniak PA. Vestn Khir 103:86-8, Jun 69 (Rus)
[Autovein plastic surgery of arteries in infected pulsating hemotomas] Vasiutkov VIa, et al. Vestn Khir 105:57-61, Jul 70 (Rus)
[Morphologic changes in venous transplants in stapedoplasty] Buvaflo SA, et al. Vestn Otorinolaringol 32:25-9, Jul-Aug 70 (Rus)
[Current aspects in coronary surgery] Pascual JA. Medicina (B Aires) 30:662-5, Nov-Dec 70 (Spa)
[Autogenous venous grafts in portacaval anastomosis] Uras A, et al. Tip Fak Mecm 32:8-12, 1969 (Tur)

VELBAN see VINBLASTINE (D2, D4)

VENA CAVA, INFERIOR (A7)

Angiotensinogen content in the blood of the hepatic vein. Dauda G, et al. Acta Physiol Acad Sci Hung 37:233-6, 1970
Budd-Chiari syndrome associated with obstruction of the inferior vena cava. A report of seven cases. Takeuchi J, et al. Am J Med 51:11-20, Jul 71
Renal arteriovenous fistula as a cause of hypertension. McAlhany JC Jr, et al. Am J Surg 122:117-20, Jul 71
Intracaval devices for the prevention of pulmonary embolism. Neimat SR, et al. Am J Surg 121:442-8, Apr 71
Alveolar hydatid disease with involvement of the inferior vena cava. Samuels S, et al. Am Surg 36:698-701, Nov 70
Obstruction of the inferior vena cava with renal vein thrombosis. Report of a case in a 3-year-old boy, and review of the literature. Papaioannou AC, et al. Angiology 22:114-20, Mar 71
Rupture of an abdominal aortic aneurysm into the inferior vena cava. A report of 3 cases. Seal PV, et al. Br J Surg 57:904-6, Dec 70
Primary leiomyosarcomas of the inferior vena cava. Report of a case and review of the literature. Juraj MN, et al. Cancer 26:1349-53, Dec 70
Carcinoma of the ureter with thrombosis of inferior vena cava. Banerjee AK, et al. Indian J Pathol Bacteriol 13:35-7, Jan 70
Obstruction of inferior vena cava as a factor for reduced blood pressure on distension of stomach in dogs. Jakhanwal DP, et al. Indian J Physiol Pharmacol 14:19-24, Jan 70
Surgical treatment of renal tumors penetrating into the great veins. Martinek JB. Int Surg 55:417-21, Jun 71
Thrombosis of the inferior vena cava in patients with cyanotic congenital heart disease. Kuehl KS, et al. J Pediatr 79:430-5, Sep 71
Reversible interruption of inferior vena cava by means of a balloon catheter. Preliminary report. Moser KM, et al. J Thorac Cardiovasc Surg 62:205-12, Aug 71
Retrocaval ureter: 4 cases. Shown TE, et al. J Urol 105:497-501, Apr 71
Aortocaval compression during cesarean section. A cause of newborn depression. Goodlin RC. Obstet Gynecol 37:702-5, May 71
Multiple aorto-vena caval fistulae. Report of a case associated with rupture of an aortic aneurysm into the retroperitoneum. Thomford NR, et al. Ohio State Med J 67:438-40, May 71
Combined inferior vena cavography, iliac venography, and lung imaging with 99mTc albumin macroaggregates. Rosenthall L. Radiology 98:623-6, Mar 71
Spontaneous abdominal aorto-vena caval fistula. A mechanism for acute intractable cardiac failure. Saksena D, et al. Rocky Mt Med J 68:23-7, Jan 71
Intracaval umbrella-filter for prevention of recurrent pulmonary embolism. Dodson MG, et al. South Med J 64:1017-8, Aug 71
A removable intracaval filter for prevention of pulmonary embolism: early experience with the use of the Eicheiter catheter in patients. Williams RW, et al. Surgery 68:999-1008, Dec 70
[Renovascular hypertension due to leiomyosarcoma of the inferior vena cava. Cure of the hypertension and 2 years survival after surgical intervention] Guédon J, et al. Ann Med Interne (Paris) 121:905-12, Nov 70 (Fre)
[Systemic aphthosis with thrombosis of the inferior vena cava] Dupuy R, et al. Bull Soc Fr Dermatol Syphiligr 77:762-4, 1970 (Fre)
[A case of extensive inferior vena cava thrombosis of probable traumatic origin] Pasquier J, et al. J Radiol Electrol Med Nucl 50:849, Nov 69 (Fre)
[Budd-Chiari syndrome and thrombosis of the inferior vena cava treated by splenomesaraic-auricular anastomosis] Lataste J, et al. Presse Med 79:1491-3, 3 Jul 71 (Fre)
[Leiomyosarcoma of the inferior vena cava and Budd-Chiari syndrome] Barbier P, et al. Rev Med Chir Mal Foie 43:1-22, Feb 68 (Fre)
[Spontaneous mesenterico-caval shunt] Bergeron C, et al. Union Med Can 97:734-7, Jun 68 (Fre)
[Inferior vena cava syndrome] Schnecke D. Dtsch Gesundheitsw 26:606-8, 25 Mar 71 (Ger)
[Reno-vasal (pyelo-caval) fistula as a rare complication of a transrenal pyelostomy (nephrostomy)] Iwig M. Z Urol Nephrol 62:561-71, 1969 (Ger)
[Transomatic vertebral angiography of the inferior vena cava] Franceschini R, et al. Ann Ital Chir 45:906-14, Nov 70 (Ita)
[Iliocaval thrombosis] Zambianchi C, et al. Ann Ital Chir 45:1171-88, 1970 (Ita)
[On a case of aneurysm of the abdominal aorta with fistula into the vena cava] Deriu GP, et al. Minerva Chir 26:59-63, 31 Jan 71 (Ita)
[Hemorrhagic infarction of the right kidney in a newborn with thrombosis of the inferior vena cava] Baldi F. Riv Anat Patol Oncol 33:9-13, 1968 (Ita)
[The significance of the syndrome of compression of the inferior vena cava at the last stage of pregnancy] Erofeev IuN, et al. Akush Ginekol (Mosk) 45:72-4, Sep 69 (Rus)
[The reaction of the smooth muscle cells of the white rat posterior vena cava to increased tension on its wall and short-term administration of hormones] Kaufman OIa. Biull Eksp Biol Med 66:117-20, Nov 68 (Rus)
[Lower vena cava syndrome in pregnancy and labor] Grčić R, et al. Med Pregl 23:259-60, 1970 (Ser)
[Hemodialysis by using percutaneous catheterization of the vena cava] Ortuho Mirete J, et al. Rev Clin Esp 121:169-72, 30 Apr 71 (Spa)
[Syndrome of v. cavae caudalis] Samšula M, et al. Cesk Gynekol 35:482-3, Oct 70 (Slo)

ABNORMALITIES

Left atrial inferior vena cava with atrial septal defect. Kim YS, et al. Ann Thorac Surg 11:165-70, Feb 71
Intracardiac repair for anomalous pulmonary venous connection of right lung to inferior vena cava. Murphy JW, et al. Ann Thorac Surg 11:38-42, Jan 71
Isolated left-sided vena cava and abdominal aortic aneurysm. Dupont JR. Arch Surg 102:211-2, Mar 71
Double inferior vena cava. A case report. Sethna BB, et al. Indian J Med Sci 25:334-9, May 71
Occurrence of two posterior venaecavae in a she-goat. Panchamukhi BG, et al. Indian Vet J 47:761-2, Sep 70
Budd-Chiari syndrome due to congenital obstruction of the Eustachian valve of the inferior vena cava. Kilman JW, et al. J Thorac Cardiovasc Surg 62:226-30, Aug 71
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 20-1971. N Engl J Med 284:1145-52, 20 May 71
An unusual configuration of the posterior vena cava in a beagle. Ingham B. Z Versuchstierkd 11:276-8, 1969
[An easy radiologic diagnosis: the Scimitar syndrome] Brochier M, et al. Ann Cardiol Angeiol (Paris) 18:167-72, Apr-Jun 69 (Fre)
[Abnormal pulmonary vein return of the right lung into the inferior vena cava (scimitar syndrome). 4 further cases] Dubost C, et al. Ann Chir Thorac Cardiovasc 8:711-9, Jul 69 (Fre)
[Congenital malformations of the inferior vena cava] Bennet J, et al. J Radiol Electrol Med Nucl 51:35-9, Jan-Feb 70 (Fre)
[Congenital membranous occlusion of the inferior vena cava: a case with hepatic cirrhosis, treated surgically] Michaud P, et al. Lyon Chir 67:3-9, Jan-Feb 71 (Fre)
[Anomalies of the portal and umbilical veins] Rehder H. Virchows Arch [Pathol Anat] 352:50-60, 1971 (Ger)
[Developmental anomalies of the lower vena cava in man] Sośnik H. Wiad Lek 24:1037-43, 1 Jun 71 (Pol)
[Absence of the inferior vena cava: diagnosis and clinical significance of the anomaly] Bukharin VA, et al. Grudn Khir 13:3-12, Jan-Feb 71 (Rus)
[Venous drainage of the right lung to the inferior vena cava and associated disorders (scimitar syndrome)] Castrillo Garcá JM, et al. Rev Clin Esp 119:55-60, 15 Oct 70 (Spa)

ANALYSIS

Comparative studies on the chemistry and the metabolism of arterial and venous tissue. Kresse H, et al. Angiologica 7:321-32, 1970
[Animal experimental studies on the scintigraphic diagnosis of recent thrombosis] Fernooix HJ, et al. Fortschr Geb Roentgenstr Nuklearmed 113:487-93, Oct 70 (Ger)

ANATOMY & HISTOLOGY

Surgical significance of the ductus venosus Arantii. Asuncion ZG, et al. Am J Surg 122:109-11, Jul 71
Area values of the Eustachian valve and their interrelations. Joura V. Folia Morphol (Praha) 19:187-97, 1971
[Topographic study of the inferior vena cava in West Africans] Ouiminga RM, et al. Bull Soc Med Afr Noire Lang Fr 16:90-3, 1971 (Fre)

EMBRYOLOGY

Relationship of the diaphragm to the inferior vena cava in human embryos and fetuses. Pearson AA, et al. Thorax 26:348-53, May 71
[Ductus venosus arantii in Bos taurus] Broccoli F. Boll Soc Ital Biol Sper 46:388-92, 30 Apr 70 (Ita)

ENZYMOLOGY

[The isoenzymes of lactate dehydrogenase in the wall of the thoracic and abdominal aorta and of the inferior vena cava of some laboratory animals] Pompucci G, et al. Boll Soc Ital Biol Sper 46:805-9, 15 Oct 70 (Ita)

INJURIES

Blunt injury to intrahepatic vena cava and hepatic veins with survival. Weichert RF 3d, et al. Am J Surg 121:322-5, Mar 71
Vascular isolation in treatment of juxtahepatic venous injuries. Yellin AE, et al. Arch Surg 102:566-73, Jun 71
Successful management of an injury to the suprarenal inferior vena cava. Bricker DL, et al. Surg Clin North Am 50:999-1002, Oct 70
[Associated injury of the liver and inferior vena cava] Gilbertas A, et al. Chirurgie 97:344-9, 1971 (Fre)
[Abdominal gunshot-injury with perforation of the Vena cava caudalis] Kronberger-Schönecker D, et al. Dtsch Med J 22:150-2 concl, Mar 71 (Ger)
[Laceration of the inferior vena cava in multiple abdominal injuries successfully treated by emergency surgery] Beltrami V, et al. Minerva Cardioangiol 17:755-8, Oct 69 (Ita)
[Surgical approach in injured inferior vena cava during nephrectomy] Potorzhinskiĭ II. Klin Khir 7:51-3, Jul 70 (Rus)

INNERVATION

[Influences on the motor activity of the gastrointestinal system from the inferior vena cava] Rozova EI. Fiziol Zh SSSR 56:434-8, Mar 70 (Rus)

PATHOLOGY

The ultrastructure of neointima of canine infrarenal vena caval Teflon prostheses. Shimamura T, et al. Exp Mol Pathol 13:190-8, Oct 70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17-1971. N Engl J Med 284:967-74, 29 Apr 71
[Case of the chronic form of Chiari's disease with involvement of the inferior vena cava] Majewski C, et al. Patol Pol 21:321-7, Jul-Sep 70 (Pol)

PHYSIOLOGY

Transmission of small pressure waves in the canine vena cava. Aniiker M, et al. Am J Physiol 221:644-51, Aug 71
Angiography of the inferior vena cava of the harbor seal during simulated diving. Elsner R, et al. Am J Physiol 220:1155-7, May 71
Neural and humoral influences on intrarenal blood flow distribution during thoracic caval occlusion. Kilcoyne MM, et al. Am J Physiol 220:1231-7, May 71
Influence of thoracic caval occlusion on intrarenal blood flow distribution and sodium excretion. Kilcoyne MM, et al. Am J Physiol 220:1220-30, May 71
Intrarenal blood flow in dogs with constriction of the inferior thoracic vena cava. Newsome HH Jr, et al. Am J Physiol 221:48-52, Jul 71
Urinary concentrating operation in caval dogs. Porush JG, et al. Am J Physiol 220:1547-52, May 71
Pulse wave velocity in human veins. Nippa JH, et al. J Appl Physiol 30:558-63, Apr 71
Flow pattern in central and peripheral human veins. A pilot study. Fröysaker T, et al. Scand J Thorac Cardiovasc Surg 4:262-6, 1970
[Ultrastructure of smooth muscle cells of the caudal vena cava of albino rats during increased stretching of its walls] Kaufman OIa, et al. Biull Eksp Biol Med 72:106-10, Jul 71 (Rus)

PHYSIOPATHOLOGY

Effect of acute hemorrhage on arterial and venous resistance. Brobmann GF, et al. Am J Physiol 220:12-5, Jan 71
Renal response to saline load in experimental liver disease. Muliane JF, et al. J Surg Res 10:519-23, Nov 70
[Venous return through inferior vena cava in cough and paroxysmal inspiratory effort] Ivančo I, et al. Cesk Fysiol 19:233-4, Dec 70 (Slo)

RADIOGRAPHY

Angiography of the inferior vena cava of the harbor seal during simulated diving. Elsner R, et al. Am J Physiol 220:1155-7, May 71
Hidden hypernephroma simulating right atrial tumor. Ardekani RG, et al. Ann Thorac Surg 11:371-5, Apr 71
Intravenous pyelography in acute idiopathic inferior vena caval thrombosis. Hall R, et al. Br J Radiol 43:781-6, Nov 70
Inferior venacavography correlated with pulmonary angiography. Ferris EJ, et al. Chest 59:651-3, Jun 71
Angiographic, hemodynamic, and clinical evaluation of partial occlusion of the inferior vena cava. Mandel SR, et al. South Med J 64:647-52, Jun 71
[Value of radiology in retroperitoneal fibrosis with

stress on free flow inferior vena cava phlebography] Michel JR, et al.
Ann Radiol (Paris) 14:409-17, May-Jun 71 (Fre)
[Lipiodol hepatography and lymphaticovenous fistula] Declercq A, et al. J Belge Radiol 51:122-35, 1968 (Fre)
[Inferior vena cava obstruction associated with cancer of the left kidney] Rousseau J, et al.
J Radiol Electrol Med Nucl 50:755-6, Oct 69 (Fre)
[Lymphography associated with cavography and pelvic arteriography in the study of malignant neoplasms of the bladder] Platania A, et al.
Ann Ital Chir 45:1206-40, 1970 (Ita)
[Significance of mesenteric collateral circulation in venae cavae and iliac vein obstructions] Bocchi R.
Ann Radiol Diagn (Bologna) 42:459-66, Sep 69 (Ita)
[Diagnostic value of contrast medium phlebography of the inferior vena cava in tumors of the abdominal cavity] Slowikowski J.
Pol Przegl Chir 42:1339-43, Sep 70 (Pol)
[Cavagraphy in hepatic echinococcosis] Nazarevskiĭ NG, et al. Vestn Khir 106:22-4, Apr 71 (Rus)
[The inferior venacavography in newborns and infants. Its diagnostic value in renal vein thrombosis] Knapp K. Ann Radiol (Paris) 14:355-60, Mar-Apr 71 (Mul)

SURGERY

A technic for investigating early allograft failure in venous replacement. Dixon CE, et al.
Am Surg 36:742-9, Dec 70
Surgical treatment of leiomyosarcoma of the inferior vena cava: report of a case. Dube VE, et al.
Am Surg 37:87-90, Feb 71
Surgery in the prevention of fatal pulmonary embolism with some observations on the morbid anatomy of veins. Gardner M.
Ann R Coll Surg Engl 47:260-70, Nov 70
Side-to side transduodenal superior mesenteric vein-inferior vena cava anastomosis. Maillard JN, et al.
Ann Surg 172:1023-6, Dec 70
The Budd-Chiari syndrome--a new method in the surgical treatment of the disease. Dumanian AV, et al.
Ann Thorac Surg 12:79-84, Jul 71
Comparative evaluation of ligation and partial interruption of the inferior vena cava. Adams JT, et al.
Arch Surg 103:272-6, Aug 71
Incidental prophylactic inferior vena cava clipping. Fuller CH, et al. Arch Surg 102:440-1, May 71
Balloon blockade of the inferior vena cava. Lewis MR, et al. Arch Surg 102:209-10, Mar 71
Technical problems in direct left gastric vein diversion. Waddell WG, et al. Br J Surg 57:856, Nov 70
Influence of cardiac disease upon partial and complete interruption of the vena cava for thromboembolism. Callow AD, et al. Bull Soc Int Chir 29:204-9, Jul-Aug 70
Experimental evaluation of haemodynamic effects of inferior vena cava ligation. Williams BT, et al.
J Cardiovasc Surg (Torino) 11:454-9, Nov-Dec 70
Incorrect placement of intracaval prosthesis for pulmonary embolism. Gaston EA.
JAMA 214:2335, 28 Dec 70
The surgical prophylaxis of pulmonary embolism. Knothe W. Minn Med 53:1081-5, Oct 70
Inferior vena cava ligation in a patient with congenital ectopic pelvic kidney. Schapira HE.
Mt Sinai J Med NY 37:618-24, Sep-Oct 70
Experimental prosthesis of the abdominal segment of the inferior vena cava. Noszczyk W.
Pol Med J 10:140-6, 1971
Angiographic, hemodynamic, and clinical evaluation of partial occlusion of the inferior vena cava. Mandel SR, et al. South Med J 64:647-52, Jun 71
Influence of level of ligation on the results of vena caval interruption. Beltz WR, et al.
Surg Gynecol Obstet 133:257-61, Aug 71
Clinical evaluation of the serrated vena caval clip. Miles RM, et al. Surg Gynecol Obstet 132:581-7, Apr 71
Interruption of the vena cava in the treatment of pulmonary embolism. Schowengerdt CG, et al.
Surg Gynecol Obstet 132:645-50, Apr 71
One-stage hepatectomy in the dog with restoration of the vena cava by end-to-end anastomosis. Alican F, et al. Surgery 69:427-32, Mar 71
The use of small-diameter Dacron grafts with wall-bonded heparin for venous and arterial replacement: canine studies and preliminary clinical experience. Najjar FB, et al.
Surgery 68:1053-65, Dec 70
The late results of caval ligation. Piccone VA Jr, et al.
Surgery 68:980-98, Dec 70
[Preventive therapy of pulmonary embolism by plication of the inferior vena cava] Mašurka V.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 13:Suppl 2:179+, 1970 (Cze)
[Treatment of thrombophlebitis of the lower limbs by venous thrombectomy and partial interruption of the vena cava] Van de Berg L.
Acta Chir Belg 69:181-97, Mar 70 (Fre)
[Hepatic lesions after incomplete experimental ligation of the suprahepatic vena cava. Histological and ultrastructural study] Mallet-Guy Y, et al.
Ann Gastroenterol Hepatol (Paris) 7:99-118, Mar-Apr 71 (Fre)
[The distant outcome of a ligature of the inferior vena cava] Rousseau J, et al.
J Radiol Electrol Med Nucl 51:821-2, Dec 70 (Fre)
[Arterialization of thrombectomized venous segment in lage surgical treatment of thrombosis of the inferior vena cava] Maillard JN, et al.
Presse Med 78:2417-9, 19 Dec 70 (Fre)
[Trans-peritoneal approach to the inferior vena cava] Roseau E. Presse Med 79:18, 2 Jan 71 (Fre)
[Unexpected obstetrical outcome after pulmonary embolectomy and ligation of the inferior vena cava] Taurelle R. Presse Med 79:1121-2, 15 May 71 (Fre)
[Prevention of pulmonary emboli: comparative studies on acute hemodyamic disturbances in vena cava ligation and ligation using a serrated clip] Allenberg JR, et al. Thoraxchirurgie 17:314-9, Aug 69 (Ger)
[Major right hepatectomy with temporary clamping of the inferior vena cava below and above the liver] Raia S, et al.
Rev Hosp Clin Fac Med Sao Paulo 25:165-74, May-Jun 70 (Por)
[Pulmonary embolism: its surgical prevention] Gonzalez Ianiello R, et al.
Prensa Med Argent 57:1981-3, 25 Dec 70 (Spa)
[Prevention of pulmonary embolism by means of interrupting the flow of the inferior vena cava. Study of 10 cases] Alcocer Andalon A, et al.
Prensa Med Mex 35:220-5, May-Jun 70 (Spa)
[Treatment of recurrent pulmonary emboli by plication of the inferior vena cava] Gyr K.
Rev Clin Esp 117:573-8, 30 Jun 70 (Spa)

TRANSPLANTATION

Mesocaval H venous homografts. Read RC, et al.
Arch Surg 101:785-91, Dec 70
[Mesentericocaval anastomosis by H homograft] Leger L. Presse Med 79:589, 13 Mar 71 (Fre)

VENA CAVA, SUPERIOR (A7)

Haemodynamic and metabolic responses to superior vena caval hyperalimentation. Mostert JW, et al.
Anaesthesia 26:90-1, Jan 71
Subclavian venipuncture and its complications. Fontenelle LJ, et al. Ann Thorac Surg 11:231-5, Apr 71
Superior vena cava syndrome following complete correction (mustard repair) of transposition of the great vessels. Marzel EA, et al.
Ann Thorac Surg 11:243-5, Mar 71
Fatal pulmonary embolism from jugular veins following benign superior vena cava syndrome. Shah-Mirany J, et al. Ann Thorac Surg 11:238-42, Mar 71
Superior vena cava obstruction caused by metastatic breast carcinoma. A report of two cases. White JJ Jr, et al. Cancer 26:935-7, Oct 70
Demonstration of collateral pathways after superior vena caval obstruction with the scintillation camera. Krishnamurthy GT, et al. J Nucl Med 12:189-91, Apr 71
Subclavian venipuncture: preventable complications; report of two cases. Johnson CL, et al.
Mayo Clin Proc 45:712-9, Oct 70
A case of "downhill varices". Anderson IF, et al.
S Afr Med J 44:1035-7, 12 Sep 70
[Etiology and treatment of thrombosis of the superior vena cava and its branches] Van der Stricht J, et al.
Acta Chir Belg 69:564-75, Oct 69 (Fre)
[Idiopathic chronic fibrous mediastinitis (pathogenic study and present state of treatment). Apropos of a case] Kohler JJ, et al.
Ann Chir Thorac Cardiovasc 10:185-90, 1971 (Fre)
[Superior vena cava syndrome] Berkman M, et al.
Coeur Med Interne 10:307-11, Apr-Jun 71 (Fre)
[Upper mediastinal tumorous opacity related to venous propagation of thyroid cancer] Linquette M, et al.
Lille Med 14:1189-93, Dec 69 (Fre)
[Case of a single atrium associated with the left superior vena cava draining into the left atrium] Hiyama T, et al.
Jap J Thorac Surg 23:810-4, Nov 70 (Jap)

ABNORMALITIES

Persistent left superior vena cava draining into the left atrium with absent right superior vena cava. Sherafat M, et al. Ann Thorac Surg 11:160-4, Feb 71
Transvenous pacemaker failure due to anomalous venous return to the heart. Kukral JC.
Chest 59:458-61, Apr 71
Surgical correction of left superior vena cava draining to left atrium associated with superior vena cava syndrome. Suma K, et al.
Jap Heart J 12:198-203, Mar 71
[Double superior vena cava (case contribution)] Corsi V, et al. Boll Soc Ital Cardiol 15:7-9, 1970 (Ita)
[Drainage of the left superior vena cava in the left atrium with hypoplasia of the right superior vena cava. Description of a surgically treated case] Stritoni P, et al.
Folia Cardiol (Milano) 28:233-45, Sep-Oct 69 (Ita)
[Total abnormal outlet of the pulmonary veins. (Presentation of 3 cases)] Di Guardo G, et al.
Folia Hered Pathol (Milano) 17:155-70, Oct 68 (Ita)

INJURIES

Traumatic injuries of great vessels. Bross W, et al.
J Cardiovasc Surg (Torino) 12:104-7, Mar-Apr 71
[Intrapleural infusion as a late complication after the use of a central venous catheter] Abrahamsson J, et al.
Nord Med 85:241-3, 25 Feb 71 (Swe)

PHYSIOLOGY

The effect of distending the junction between the superior vena cava and the right atrium in the dog. Kappagoda CT, et al.
J Physiol (Lond) 206:59P-60P, Jun 70
Flow pattern in central and peripheral human veins. A pilot study. Fröysaker T, et al.
Scand J Thorac Cardiovasc Surg 4:262-6, 1970

PHYSIOPATHOLOGY

Effect of acute hemorrhage on arterial and venous resistance. Brobmann GF, et al.
Am J Physiol 220:12-5, Jan 71

RADIOGRAPHY

[Radioanatomic study of thrombosis of the superior vena cava. 2 cases] Masson JC, et al.
Ann Chir Thorac Cardiovasc 8:445-52, Oct 69 (Fre)
[Intravenous angiocardiopneumography (I.V.A.) and superior vena cava syndrome (14 recent cases)] Chevrot L, et al.
J Radiol Electrol Med Nucl 50:348-51, May 69 (Fre)
[The image of obstruction of the superior vena cava in tuberculous mediastinitis] Sacco M, et al.
Nunt Radiol Suppl 1:89-98, 1968 (Ita)

SURGERY

Study of the mechanisms of shunt failure after superior vena cava-right pulmonary artery anastomosis. Boruchow IB, et al.
J Thorac Cardiovasc Surg 60:531-9, Oct 70
Emergency reconstruction of the superior vena cava. Beattie EJ Jr, et al.
Surg Clin North Am 50:959-67, Oct 70
Superior vena cava to right pulmonary artery anastomosis. Results in 46 infants and children. Hunt D, et al. Thorax 25:550-5, Sep 70
[Cavo-pulmonary anastomosis. Complete correction of tetralogy of Fallot by open heart surgery after cavo-pulmonary anastomosis] Bloch G, et al.
Ann Chir Thorac Cardiovasc 9:439-42, Oct 70 (Fre)
[Cavo-pulmonary anastomosis. Reflections apropos of 33 cases operated on during the last 8 years] Soyer R, et al.
Ann Chir Thorac Cardiovasc 8:733-43, Jul 69 (Fre)
[Treatment of primary congenital hydrocephalus] Lorber J.
Monatsschr Kinderheilkd 117:66-73, Feb 69 (Ger)
[Glenn's operation of dextrocardia and transposition of great vessels: superior vena cava-pulmonary artery anastomosis] Tatsuno K, et al.
Shujutsu 25:197-205, Feb 71 (Jap)
[Surgery in the superior vena cava syndrome using semibiological protheses] Pokrovskiĭ AV, et al.
Grudn Khir 12:3-8, Sep-Oct 70 (Rus)

VENAE CAVAE (A7)

see also related
PORTACAVAL ANASTOMOSIS (E4)

Applications of the catheter-tip electromagnetic velocity probe in the study of the central circulation in man. Mason DT, et al. Am J Med 49:465-71, Oct 70
Effects of prostaglandin E1 and F2 alpha on venous return and other parameters in the dog. Emerson TE Jr, et al. Am J Physiol 220:243-9, Jan 71
Multifocal fibrotic diathesis. An often overlooked cause of venae cavae syndrome. Verstraete M, et al.
Angiologica 7:233-45, 1970
[Special significance of the vena-subclavia-cava catheter in intensive therapy. Clinical and pathologic-anatomical aspects] Dahlmann W.
Hippokrates 41:416-7, Sep 70 (Ger)
[Inductive localization of cava catheters in the body] Lunkenheimer PP, et al.
Thoraxchirurgie 18:196-8, Jun 69 (Ger)
[The behavior of the left-to-right shunt in congenital heart defects during ergometric burden. I. The O2 saturation of the mixed venous blood and calculation of the left-to-right shunt] Baedeker W.
Z Kreislaufforsch 59:303-9, May 70 (Ger)
[Complications in the use of so-called central venous catheter from pathologico-anatomical view] Schumann G.
Z Kreislaufforsch 60:355-71, Apr 71 (Ger)

ABNORMALITIES

[Vascular opacities simulating pulmonary parenchymal diseases] Marchei P, et al.
Boll Soc Ital Cardiol 14:191-205, 1969 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[2 cases of endocardial cushion defect with the vena cava draining into left side of the atrium] Kudo T, et al. Jap J Thorac Surg 24:278-83, Apr 71 (Jap)

ANALYSIS

Isolation of dense-cored granules from the neurosecretory system of the vena cava of the small octopod, eledone cirrosa. Berry CF, et al. Br J Pharmacol 40:549P+, Nov 70

INNERVATION

[Experiments concerning the function of the neurosecretory system of the vena cava in Cephalopoda. II] Bianchi D. Boll Soc Ital Biol Sper 45:1617-9, 31 Dec 69 (Ita)
[Experiments concerning the function of the neurosecretory system of the vena cava in Cephalopoda. I] Bianchi D. Boll Soc Ital Biol Sper 45:1615-7, 31 Dec 69 (Ita)
[Effect of gravitational overloading on the state of the innervation apparatus of the aorta, venae cavae and atrium] Prives, et al. Arkh Anat Gistol Embriol 58:32-7, 1970 (Rus)
[Partial desympathization of the portocaval system in portal hypertension] Efimishin NS. Khirurgiia (Mosk) 46:81-6, Nov 70 (Rus)

PATHOLOGY

[Functional capacity of spontaneous portacaval shunts: comparison with surgical shunts] Pietri H. Acta Gastroenterol Belg 34:208-15, Feb 71 (Fre)

PHYSIOLOGY

Changes in systemic vascular resistance and capacitance elicited by some systemic reflexes. Samoilenko AV, et al. Cor Vasa 13:136-46, 1971
[Role of venous return in pressor shifts of general arterial pressure] Samoilenko AV, et al. Fiziol Zh SSSR 56:1781-6, Dec 70 (Rus)
[Suprarenal caval ligation in rats--an experimental study] Olsson AM, et al. Nord Med 86:917-8, 29 Jul 71 (Swe)

RADIOGRAPHY

[False spleno-portal thromboses] Nahum H, et al. Ann Radiol (Paris) 13:671-9, 1970 (Fre)
[Indications of hepatic and splenic vascular explorations in children] Chaumont P, et al. J Radiol Electrol Med Nucl 51:696-9, Nov 70 (Fre)
[Lymphatic circulation after obstruction of the thoracic duct in dogs (kinetic study by cineradiography: demonstration of portal and caval lymphovenous fistulas)] Piétri H, et al. J Radiol Electrol Med Nucl 52:203-4, Mar-Apr 71 (Fre)
[Value of combined vena cava phlebography and lymphography in retroperitoneal adenopathy] Reboul J, et al. J Radiol Electrol Med Nucl 50:766-7, Oct 69 (Fre)

SURGERY

Suppurative pelvic thrombophlebitis. A study of 202 cases in which the disease was treated by ligation of the vena cava and ovarian vein. Collins CG. Am J Obstet Gynecol 108:681-7, 1 Nov 70
Bilateral kidney allografts in unselected pigs with caval and portal venous drainage. Mazzoni G, et al. Br J Surg 58:300, Apr 71
[Surgical treatment of membranous obstruction of the terminal segment of the vena cava. 2 cases] Dubost C, et al. Ann Chir Thorac Cardiovasc 8:433-43, Oct 69 (Fre)

VENEREAL DISEASES (C1)

Venereal disease. TLC with the penicillin. Mathews R. Am J Nurs 71:720-3, Apr 71
Genital herpes in two social groups. Rawls WE, et al. Am J Obstet Gynecol 110:682-9, 1 Jul 71
Advances in the study of venereal disease. King AJ. Br J Clin Pract 25:295-301, Jul 71 (43 ref.)
Good personality breakdown in patients attending veneral diseases clinics. Kite EC de. Br J Vener Dis 47:135-41, Apr 71
Personality study of V.D. patients. Using the psychoticism, extroversion, neuroticism inventory. Wells WP. Br J Vener Dis 46:498-501, Dec 70
Other sexually transmitted diseases. II. Nicol CS. Br Med J 2:507-9, 29 May 71
Other sexually transmitted diseases. I. Nicol CS. Br Med J 2:448-9, 22 May 71
Venereal disease in women. I. Nicol CS. Br Med J 2:328-9, 8 May 71
Gaps in venereology. Br Med J 2:547, 5 Jun 71
Statement on venereal disease. J Kans Med Soc 72:332 passim, Jul 71
The venereal disease dilemma: a case in question. Bender SJ. J Sch Health 41:105-7, Feb 71
Overcoming teacher reluctancy toward VD education. Beneli FB. J Sch Health 40:483-6, Nov 70
AMA statement on venereal disease. Mo Med 68:804, Aug 71
The unmentionable diseases. Dicker K. Nurs Times 67:94-5, 21 Jan 71
Living environment of Pakistani immigrants attending venereal disease clinics in Britain. Hossain AS. Public Health 85:123-31, Mar 71
Veneral diseases in modern society. Morton RS. Singapore Med J 11:210-3, Dec 70
Herpes genitalis in Ibadan. Osoba AO, et al. West Afr Med J 19:117-9, Aug 70
[Psychological aspects in venereology] Novotný F. Cesk Dermatol 46:77-82, Apr 71 (Cze)
[Some results of the scientific activity of the Chair of Dermatovenereology of the Ternopol' School of Medicine] Glukhen'kiĭ TT, et al. Vestn Dermatol Venerol 44:3-5, Jul 70 (Rus)
[Scientific activity at the Department of Dermatology and Venereal Diseases of the Riga Medical Institute during 1963-1968] Iakobson PIa. Vestn Dermatol Venerol 44:3-6, Jun 70 (Rus)
[Scientific activity of the Chair of Skin and Venereal Diseases of the Institute of Advanced Training of Physicians during 1964-1969] Kartamyshev AI. Vestn Dermatol Venerol 44:9-14, Feb 70 (Rus)
[Scientific activity at the Chair of Dermatology and Venereal Diseases of the S.V. Kurashov Medical Institute at Kazan during 1964-1969] Kondrat'ev GG. Vestn Dermatol Venerol 44:3-9, Mar 70 (Rus)
[Scientific achievements of the Ukraine Scientific Research Institute of Dermatology and Venereology] Piatikop AI, et al. Vestn Dermatol Venerol 44:3-7, Aug 70 (Rus)
[Plan of scientific research on the problem: "Scientific bases of dermatology and venereology for 1970-1975"] Turanov NM, et al. Vestn Dermatol Venerol 44:15-20, Feb 70 (Rus)
[Recent advances in research on venereal diseases] Brown WJ. Salud Publica Mex 11:621-3, Sep-Oct 69 (Spa)

DIAGNOSIS

V.D. or not V.D.?--the essential role of the laboratory. Toshach SR. Can J Med Technol 32:201-12, Dec 70
Psychopathology in V.D. practice. Boneff AN. Indian J Dermatol 16:51-4, Apr 71
Twenty-five years of dermatovenereology in India. A review. Desai SC. J Assoc Physicians India 18:135-53, Jan 70
[Serology of venereal infections] Meyer-Rohn J. Z Allgemeinmed 47:887-90, 20 Jun 71 (Ger)

DRUG THERAPY

Cephalosporin antibiotics in venereal disease. Duncan WC, et al. Postgrad Med J 47:Suppl:119-22, Feb 71
Cephaloridine and cephalexin in venereological practice. Oller LZ, et al. Postgrad Med J Suppl:99-102, Oct 70
[Current problems in the treatment of venereal diseases] Eberhartinger C. Wien Med Wochenschr 120:462-3, 20 Jun 70 (Ger)
[Therapy of venereal infections] Heite HJ. Z Allgemeinmed 47:457-62, 31 Mar 71 (Ger)
[Treatment of venereal diseases] Jänner M. Z Allgemeinmed 47:891-9, 20 Jun 71 (Ger)
[Gentamicin in therapy of venereal diseases] Pelfini C, et al. G Ital Chemioter 16:341-4, Jan-Sep 69 (Ita)
[Use of gentamicin in dermatovenereology and in burn therapy] Serri F. G Ital Chemioter 16:327-9, Jan-Sep 69 (Ita)

HISTORY

Attitudes of hospitals in London to venereal disease in the 18th and 19th centuries. Waugh MA. Br J Vener Dis 47:146-50, Apr 71
[Development of dermato-venereology at the Clinique Universitaire de Lille during the last quarter century] Huriez C. Lille Med 14:527-50, Oct 69 (Fre)
[Dermatology and venereology at the Collegium Clinicum of Halle in the early 18th century] Kaiser W, et al. Dermatol Monatsschr 156:969-78, 1970 (Ger)
[Venereal diseases on the Kola peninsula before the Revolution (1826-1916)] Shermadini VI. Vestn Dermatol Venerol 43:65-8, Aug 69 (Rus)
[Progressive ideas in the control of social diseases in the pre-October period] Turanov NM. Vestn Dermatol Venerol 43:3-9, Aug 69 (Rus)

MICROBIOLOGY

The occurrence of oxidase-positive non-gonococcal strains on Thayer-Martin selective media used in the laboratory diagnostic of N. gonorrhoeae. Geizer E. Zentralbl Bakteriol [Orig] 214:75-8, 1970

OCCURRENCE

Anal venereal diseases in two practices. (1958-1968). Rivoire J, et al. Am J Proctol 22:189-90, Jun 71
The problem of venereal diseases in Singapore. Morton RS. Br J Vener Dis 47:48-51, Feb 71
Immigration and venereal disease in England and Wales. Willcox RR. Br J Vener Dis 46:412-22, Oct 70
Crisis in venereology. Catterall RD, et al. Br Med J 3:699-701, 19 Sep 70
Venereal disease in California. Saylor LF. Calif Med 112:88-9, May 70
Venereal disease problem in Canada. Acres SE, et al. Can Nurse 67:24-7, Jul 71
Viral carcinogenesis in venereally susceptible organs. Ravich A. Cancer 27:1483-6, Jun 71
Venereal diseases--new problems for the physician and the community. Dalzell-Ward AJ. Dis 1-45, Jan 71
Prevalence and incidence of venereal diseases in military communities in Uganda. Ongom VL. East Afr Med J 47:479-83, Sep 70
Venereal disease in Scotland. Schofield CB, et al. Health Bull (Edinb) 28:19-25, Oct 70
Psycho-social aspects of venereal diseases in teen-agers. Datt I. Indian J Dermatol 16:27-35, Jan 71
Venereal diseases in Lagos. Daramola T, et al. Isr J Med Sci 7:288-94, Feb 71
Venereal disease. Barton FW. JAMA 216:1472-3, 31 May 71
Venereal diseases. Lancet 1:691-2, 3 Apr 71
The increase in venereal disease. Cohn L. Med J Aust 1:171-2, 16 Jan 71
The increase in venereal disease. Potts IF. Med J Aust 2:1149, 12 Dec 70
The increase in venereal disease. Med J Aust 2:750-60, 24 Oct 70
VD: a national epidemic. Med Times 99:109 passim, May 71
The sexually transmitted diseases. Nicol CS. Practitioner 206:277-9, Feb 71
The international incidence of venereal disease. Guthe T, et al. R Soc Health J 91:123-33, May-Jun 71 (144 ref.)
The venereal diseases. R Soc Health J 90:179, Jul-Aug 70
[Veneral diseases and modern contraception] Vojta M. Cesk Gynekol 36:60-1, Feb 71 (Cze)
[Venereal diseases] Bord Med 4:479-80, Feb 71 (Fre)
[Epidemiology of venereal diseases in France from 1963 to 1967] Bull Inst Nati Sante Rech Med 23:1477-98, Nov-Dec 68 (Fre)
[Current venereal problems in the gynecological practice] Schirren CG, et al. Geburtshilfe Frauenheilkd 29:1086-94, Dec 69 (Ger)
[Venereal diseases at present] Burckhardt W. Praxis 60:406-11, 30 Mar 71 (Ger)
[The problem of venereal diseases in the Americas] Llopis A. Bol Of Sanit Panam 70:26-58, Jan 71 (Spa)
[Venereal diseases. A study of the attitudes toward and knowledge of them among young people] Wallin J. Lakartidningen 68:199-205, Jan 71 (Swe)

PREVENTION & CONTROL

Venere disease. Communities strike back. Schwartz WF. Am J Nurs 71:724, Apr 71
Meet the VD epidemiologist. Vandermeer DC. Am J Nurs 71:722-3, Apr 71
New Arizona legislation for treatment of minors with V.D. Dandoy S. Ariz Med 28:529-30, Jul 71
Veneral disease control in the United States of America. Webster B. Br J Vener Dis 46:406-11, Oct 70
The nurse and VD control. Ferrari HE. Can Nurse 67:28-30, Jul 71
Doctor' attention urged by AMA council to problems of VD. Mich Med 70:648, Jul 71
Responsibility of the physician in the control of venereal disease. NY State J Med 71:1717, 15 Jul 71
Management of sexually assaulted females. Massey JB, et al. Obstet Gynecol 38:29-36, Jul 71
Search for a preparation to prevent venereal disease and pregnancy. Arnold RC, et al. Public Health Rep 85:1062, Dec 70
Modern trends in diagnosis, treatment and control of the venereal diseases. Morton RS. Singapore Med J 11:214-21, Dec 70
[Past and present activities of the Dermato-Venerologic Clinic of Jassy] Nastase G. Rev Med Chir Soc Med Nat Iasi 74:933-5, Oct-Dec 70 (Fre)
[Importance of prevention and control measures of venereal diseases in GDR against "injudiciously endangered and sick persons"] Elste G, et al. Dermatol Monatsschr 156:932-8, Oct 70 (Ger)
[Use of doxycycline as a preventive measure of venereal infections among naval mission participants] Regalia SA, et al. Hospital (Rio de J) 76:931-5, Sep 69 (Por)
[Some results of dermatovenereological service in the Mari Autonomous Soviet Socialist Republic] Gorbashev LN. Vestn Dermatol Venerol 44:54-6, Feb 70 (Rus)
[Teaching about venereal diseases in medical schools] Alarcón CJ. Bol Of Sanit Panam 70:103-11, Jan 71 (Spa)
[The economic repercussions of venereal diseases] Callin AE. Bol Of Sanit Panam 70:95-102, Jan 71 (Spa)
[Psychological, social and cultural aspects of venereal

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

diseases] García JC.
Bol Of Sanit Panam 70:79-94, Jan 71 (Spa)
[Venereal diseases as a national and international health problem. Final report]
Bol Of Sanit Panam 70:1-5, Jan 71 (Spa)
[Basic activities of an A health center in the control of venereal diseases] Romero García A.
Salud Publica Mex 13:209-12, Mar-Apr 71 (Spa)

THERAPY

Isolation-ward treatment for dermatoses. II. Influence on bacterial colonization. Nyström B, et al.
Acta Derm Venereol (Stockh) 51:301-4, 1971
Venereal disease in general practice.
Br Med J 2:670, 19 Jun 71
[Indices of the quality of medical care of patients with dermatologic and venereal disease] Turanov NM, et al. Vestn Dermatol Venerol 44:62-7, Mar 70 (Rus)

VENOGRAPHY see PHLEBOGRAPHY (E1)

VENOMS (D12)

see also related
ANTIVENINS (D12)

Coral snake venoms. In vitro relation of neutralizing and precipitating antibodies. Cohen P, et al.
Am J Trop Med Hyg 20:646-9, Jul 71
The identification of the special glutamic acid residue essential for activity of cobratoxin. Chang CC, et al.
Biochem Biophys Res Commun 43:429-34, 16 Apr 71
The proteolytic action of Arvin on human fibrinogen.
Ewart MR, et al. Biochem J 118:603-9, Jul 70
Isolation and characterization of kinin-releasing enzyme of Echis coloratus venom. Cohen I, et al.
Biochem Pharmacol 19:785-93, Mar 70
Bradykinin-potentiating peptides from the venom of Agkistrodon halys blomhoffi. Isolation of five bradykinin potentiators and the amino acid sequences of two of them, potentiators B and C. Kato H, et al.
Biochemistry 10:972-80, 16 Mar 71
Characterization and chemical modifications of toxins isolated from the venoms of the sea snake, Laticauda semifasciata, from Philippines. Tu AT, et al.
Biochemistry 10:1295-304, 13 Apr 71
Action of venom phosphodiesterase on transfer RNA from Escherichia coli. Miller JP, et al.
Biochim Biophys Acta 217:176-88, 17 Sep 70
The effect of temperature on the rigidity modulus of fibrin gels produced by Bothrops atrox venom. Scheinthal BM, et al.
Biochim Biophys Acta 214:260-4, 21 Aug 70
The position of disulfide bonds in cobrotoxin. Yang CC, et al. Biochim Biophys Acta 214:355-63, 21 Aug 70
The specific Assay of prothrombin using the Taipan snake venom. Denson KW, et al.
Br J Haematol 21:219-28, Aug 71
In-vitro studies with ancrod ('Arvin'). Turpie AG, et al.
Br J Haematol 20:217-24, Feb 71
Snakebite or frostbite: what are we doing? An evaluation of cryotherapy for envenomation. Frank HA. Calif Med 114:25-7, May 71
Developmental pattern of enzyme secretion in the embryonic venom glands of Vipera palaestinae (Ophidia, Reptilia). Fein A, et al.
Dev Biol 24:520-32, Apr 71
Preventive effect of local heparin administration on microvascular pulmonary hemorrhages induced by cobra venom in mice. Bonta IL, et al.
Eur J Pharmacol 13:97-102, 1970
Interaction of toxic venoms with the complement system. Birdsey V, et al.
Immunology 21:299-310, Aug 71
Cobra venom factor-induced activation of the complement system: developmental, experimental and clinical considerations. Gewurz H, et al.
Int Arch Allergy Appl Immunol 40:47-58, 1971
Iodination of erabutoxin b: diiodohistidine formation. Sato S, et al. J Biochem (Tokyo) 68:867-72, Dec 70
Snake venom toxins. Purification and properties of three toxins from Naja nivea (Linnaeus) (Cape cobra) venom and the amino acid sequence of toxin delta.
Botes DP, et al. J Biol Chem 246:3132-9, 25 May 71
X-ray crystallographic study of the erabutoxins and of a diiodo derivative. Low BW, et al.
J Biol Chem 246:4366-8, 10 Jul 71
Phospholipase A of snake venoms. II. Catalytic properties of the enzyme from Naja naja. Salach JI, et al. J Biol Chem 246:340-7, 25 Jan 71
Phospholipase A of snake venoms. I. Isolation and molecular properties of isoenzymes from Naja naja and Vipera russellii venoms. Salach JI, et al.
J Biol Chem 246:331-9, 25 Jan 71
Isolation and characterization of the toxic component of Enhydrina schistosa (common sea snake) venom. Tu AT, et al. J Biol Chem 246:1012-6, 25 Feb 71
Effect of feeding fat on fibrinolysis, Stypven time, and platelet aggregation in Africans, Asians, and Europeans. Ferguson JC, et al.
J Clin Pathol 23:580-5, Oct 70
Exaggerated delayed hypersensitivity to mosquito venom in association with lymphoproliferative disorders. Houston JG, et al.
J Fla Med Assoc 57:15-7, Dec 70
A simple method for the purification of factor VIII (antihemophilic factor) employing snake venom.
Green D. J Lab Clin Med 77:153-8, Jan 71
Chemical modification of cobratoxin from the venom of Formosan cobra (Naja naja atra). Chang CC, et al.
Jap J Med Sci Biol 23:357-60, Oct 70
Studies on immunogenicity of toxoxids from Habu (Trimeresurus flavoviridis) venom. Sadahiro S, et al.
Jap J Med Sci Biol 23:285-9, Aug 70
Biochemical and immunochemical studies on cobrotoxin. Yang CC. Jap J Med Sci Biol 24:26, Feb 71
Electron microscopic studies of the myocardial changes produced by scorpion venom injections in dogs.
Yarom R, et al. Lab Invest 24:21-30, Jan 71
Action of cobra venom lytic factor on sialic acid depleted erythrocytes and ghosts. Condrea E, et al.
Naunyn Schmiedebergs Arch Pharmakol 268:458-61, 1971
Comparative studies of native and synthetic melittins.
Habermann E, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:1-9, 1971
Scorpion venom cardiomyopathy. Yarom R, et al.
Pathol Microbiol (Basel) 35:114-7, 1970
Prevention of experimental allergic encephalomyelitis with cobra venom factor. Pabst H, et al.
Proc Soc Exp Biol Med 136:555-60, Feb 71
Venom glands in scatophagid fish. Cameron AM, et al.
Toxicon 8:171-8, Aug 70
A study on sea-snake venom phospholipase A. Ibrahim SA. Toxicon 8:221-4, Sep 70
Milking of arthropods. Meadows PE, et al.
Toxicon 8:311-2, Nov 70
Neutralization of Vipera palestinae hemorrhagin by antibody fragments. Moroz C, et al.
Toxicon 9:57-62, Jan 71
Thermostability of the venom of the scorpion Leiurus quinquestriatus (H. et E.). Nitzan M.
Toxicon 8:245-6, Sep 70
[Clinical and toxological problems in poisonous snake bites] Scholer H, et al.
Schweiz Med Wochenschr 100:1761-6, 17 Oct 70 (Ger)
[Erythrocyte-transudation factor of habu toxoid (hemorrhagic factor)--its characteristics and action]
Osaka A. J Jap Med Assoc 64:1246-54, Dec 70 (Jap)
[Toxoids from the venom of habu. 1. Detoxification of habu venom with formalin] Sadahiro S.
Jap J Bacteriol 26:214-21, Jun 71 (Jap)
[Structure of neurotoxins of sea snakes] Sato S.
Protein Nucleic Acid Enzyme (Tokyo) 16:88-95, Feb 71 (36 ref.) (Jap)
[The venoms of cobra] Ráfful M.
Rev Bras Med 27:384-5, Jul 70 (Por)
[Measurement of the coagulation activity of snake venoms: importance to scientific research and therapeutic application] Rosenfeld G, et al.
Rev Paul Med 77:149-50, Apr 71 (Por)
[Hydrolysis of low molecular weight substrates with diester and pyrophosphate bonds by snake venom phosphodiesterase] Dolapchiev LB.
Biokhimiia 35:1073-7, Nov-Dec 70 (Rus)

ANALYSIS

The amino acid sequence of cardiotoxin from Formosan cobra (Naja naja atra) venom. Narita K, et al.
Biochem Biophys Res Commun 41:339-43, 23 Oct 70
Isolation and characterization of two phospholipase A's from the venom of Agkistrodon hays blomhoffii.
Kawauchi S, et al.
Biochim Biophys Acta 236:142-60, 27 Apr 71
Immunological relatedness of nerve growth factors.
Angeletti RH. Brain Res 25:424-7, 22 Jan 71
Isolation of the principal neurotoxins of two Naja naja subspecies. Karlsson E, et al.
Eur J Biochem 21:1-16, 15 Jul 71
Purification of animal neurotoxins. Isolation and characterization of eleven neurotoxins from the venoms of the scorpions Androctonus australis hector, Buthus occitanus tunetanus and Leiurus quinquestriatus quinquestriatus. Miranda F, et al.
Eur J Biochem 16:514-23, Nov 70
The amino acid sequence of neurotoxin I of Androctonus australis hector. Rochat H, et al.
Eur J Biochem 17:262-6, Dec 70
Structure of bradykinin-potentiating peptide containing tryptophan from the venom of Agkistrodon halys blomhoffii. Kato H, et al.
Experientia 26:1205-6, 15 Nov 70
Amino acid compositions of snake venom phospholipase A's. Kawauchi S, et al.
J Biochem (Tokyo) 69:433-7, Feb 71
Purification and chemical studies of a toxin from the venom of Lapemis hardwickii (Hardwick's sea snake).
Tu AT, et al. J Biol Chem 246:2772-9, 10 May 71
Comparative biochemistry and pharmacology of salivary gland secretions. I. Electrophoretic analysis of the proteins in the secretions from human parotid and reptilian parotid (Duvernoy's) glands. Bonilla CA, et al. J Chromatogr 56:368-72, 7 Apr 71
Electrophoretic studies on Habu snake venom (Trimeresurus flavoviridis), with special reference to the changes in consecutive venom collection. Ishii A, et al. Jap J Exp Med 40:141-9, Jun 70
Immunogenicity in monkeys of a combined toxoid from the main toxic principles separated from Habu snake venom. Kondo H, et al.
Jap J Med Sci Biol 23:413-8, Dec 70
Studies on snake venom phospholipase A: isolation, characterization and partial amino acid sequence.
Samejima Y, et al. Jap J Med Sci Biol 24:31-4, Feb 71
The N-terminal amino acid sequences of two basic cytotoxic proteins from the venom of the Indian Cobra. Takechi M, et al.
Naturwissenschaften 58:323-4, Jun 71
Biochemistry and pharmacology of the crotoxin complex. I. Subfractionation and recombination of the crotoxin complex. Rübsamen K, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:274-88, 1971
Disc electrophoresis of glycoproteins in snake venoms.
Basu AS, et al. Toxicon 8:279-84, Nov 70
Purification and partial characterization of two proteolytic enzymes from the venom of Vipera russelli. Dimitrov GD. Toxicon 9:33-44, Jan 71
Are neurotoxins from elapid venoms glycoproteins?
Lin SY, et al. Toxicon 9:295-6, Jul 71
The caseinase activity of some vermivorous cone shell venoms. Marsh H. Toxicon 9:63-7, Jan 71
Nerve growth factor from Egyptian snake venoms.
Mohamed AH, et al. Toxicon 9:201-4, Jul 71
Ionophoretic fractionation of Naja haje venom.
Mohamed AH, et al. Toxicon 9:197-200, Jul 71
Studies of antigenic fractions in honey-bee (Apis mellifera) venom. Munjal D, et al.
Toxicon 9:229-36, Jul 71
Relationship between pharmacological actions and enzymatic activities of the venom of Trimeresurus gramineus. Ouyang C, et al. Toxicon 8:183-91, Aug 70
Snake venom toxins. I. Preliminary studies on the separation of toxins of Elapidae venoms. Strydom DJ, et al. Toxicon 8:203-9, Sep 70
Studies on puff adder (Bitis arietans) venom. I. Purification and properties of protease A. Van der Walt SJ, et al. Toxicon 9:153-61, Apr 71
Purification and characterization of phospholipase A from the venom of Naja nigricollis. Wahlström A.
Toxicon 9:45-56, Jan 71
A new toxic protein in the venom of the scorpion Androctonus australis Hector. Zlotkin E, et al.
Toxicon 9:9-13, Jan 71
[Attempt at classification of toxic proteins extracted from snake venoms] Boquet P, et al.
C R Acad Sci [D] (Paris) 271:1456-9, 19 Oct 70 (Fre)
[Cardenolides from Ch' an Su] Höriger N, et al.
Helv Chim Acta 53:2051-9, 1970 (Ger)
[Cardenolide hydrogen suberates and other bufadienolide hydrogen suberates in Ch'an Su]
Höriger N, et al.
Helv Chim Acta 53:1993-2002, 1970 (Ger)
[Cardanolides from the Chinese toad venom Ch'an Su]
Höriger N, et al. Helv Chim Acta 53:1503-11, 1970 (Ger)
[Histochemical study of polysaccharides in the veneniferous gland in vipers] Zakharov AM.
Arkh Anat Gistol Embriol 60:85-8, 1971 (Rus)
[Isolation of phospholipase A from the venom of a mid-Asiatic cobra] Sakhibov DN, et al.
Biokhimiia 35:13-6, 1970 (Rus)
[Composition of Vipera lebetina venom according to column chromatographic data] Poguda AA, et al.
Biull Eksp Biol Med 72:45-7, Jul 71 (Rus)

ANTAGONISTS & INHIBITORS

[Tetrodotoxin, calcium and scorpion venom]
Tazieff-Depierre F.
C R Acad Sci [D] (Paris) 271:1655-7, 2 Nov 70 (Fre)

BIOSYNTHESIS

Biosynthesis of melittin, a toxic peptide from bee venom. Detection of a possible precursor. Kreil G, et al. Eur J Biochem 20:344-50, 11 Jun 71

ISOLATION & PURIFICATION

Purification of animal neurotoxins. Isolation and characterization of four neurotoxins from two different sources of Naja haje venom. Miranda F, et al.
Eur J Biochem 17:477-84, Dec 70
Snake venom toxins. Purification, properties, and complete amino acid sequence of two toxins from Ringhals (Hemachatus haemachatus) venom. Strydom AJ, et al. J Biol Chem 246:1341-9, 10 Mar 71
Comparative biochemistry and pharmacology of salivary gland secretions. II. Chromatographic separation of the basic proteins from some North American rattlesnake venoms. Bonilla CA, et al.
J Chromatogr 56:253-63, 7 Apr 71
Purification and some properties of toxin A from the venom of the Indian cobra (Naja naja). Nakai K, et al.
Jap J Med Sci Biol 24:27-30, Feb 71
Some chemical properties of the venom of the scorpionfish Scorpaena guttata. Schaeffer RC Jr, et al.
Toxicon 9:69-78, Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Loxosceles laeta venom--partial purification. Suarez G, et al. Toxicon 9:291, Jul 71

METABOLISM

Binding of iodinated erabutoxin b, a sea snake toxin, to the endplates of the mouse diaphragm. Sato S, et al. Toxicon 8:313-4, Nov 70

PHARMACODYNAMICS

Effects of reptilase-induced intravascular coagulation in dogs. Egberg N, et al. Acta Physiol Scand 79:493-505, Aug 70

Reptilase-R--a new reagent in blood coagulation. Funk C, et al. Br J Haematol 21:43-52, Jul 71

The effect of Arvin on reticuloendothelial activity in rabbits. Ashford A, et al. Br J Pharmacol 40:37-44, Sep 70

Bradykinin potentiating factor. Greene LJ, et al. Chest 59:Suppl:9S-10S, May 71

Normal ganglionic transmission in the presence of acetylcholine block by sea snake (Enhydrina schistosa) venom. Chan KE, et al. Eur J Pharmacol 13:277-9, Jan 71

Effects of Arvin in mice. Immunofluorescent and histochemical studies. Silberman S, et al. Exp Mol Pathol 14:67-74, Feb 71

Haemolytic activity of Russell's viper venom. Dass B, et al. Indian J Med Res 58:399-406, Apr 70

Effects of the venom of the rhinoceros horned viper (Bitis nasicornis) on blood coagulation, platelet aggregation, and fibrinolysis. MacKay N, et al. J Clin Pathol 23:789-96, Dec 70

The significance of the mast cell response to bee venom. Higginbotham RD, et al. J Immunol 106:233-40, Jan 71

Action of crotoxin and crotactin from the venom of Crotalus durissus terrificus (South American rattlesnake) on the frog neuromuscular junction. Brazil OV, et al. J Physiol (Lond) 212:34P-35P, Jan 71

The action of a depolarizing fraction from Naja nivea venom on frog skeletal muscle. Earl JE, et al. J Physiol (Lond) 214:27P-28P, Apr 71

Action of Trimeresurus flavoviridis venom on the microcirculatory system of rat; dynamic aspects as revealed by cinephotomicrographic recording. Osaka A, et al. Jap J Med Sci Biol 24:34-9, Feb 71

A prolonged defibrination caused by Echis carinatus venom. Kornalik F, et al. Life Sci [II] 10:309-14, 22 Mar 71

Use of a snake venom toxin to characterize the cholinergic receptor protein. Changeux JP, et al. Proc Natl Acad Sci USA 67:1241-7, Nov 70

The effect of arvin on plasma lipids of the rabbit. Barboriak JJ. Proc Soc Exp Biol Med 136:313-5, Jan 71

Collagenolytic activity from venom of the rattlesnake Crotalus atrox. Simpson JW, et al. Proc Soc Exp Biol Med 137:893-5, Jul 71

Destruction of mammalian motor nerve terminals by black widow spider venom. Okamoto M, et al. Science 172:733-6, 14 May 71

Effects of erabutoxin B on the membrane properties of frog sartorius muscle cells. Takamizawa T. Tohoku J Exp Med 101:339-50, Aug 70

Effects of scorpion venom on some physiological processes in cockroach. Babu S, et al. Toxicon 9:119-24, Apr 71

The effect of the venom of the black widow spider Latrodectus mactans tredecimguttatus on the giant neurones of Periplaneta americana. D'Ajello V, et al. Toxicon 9:103-10, Apr 71

The release of acid hydrolases from lysosomes by animal venoms. Kramar R, et al. Toxicon 9:125-9, Apr 71

Preliminary studies of the venoms of some vermivorous conidae. Marsh H. Toxicon 8:271-7, Nov 70

The effect of Naja nigricollis venom on blood clotting. Mohamed AH, et al. Toxicon 9:173-6, Apr 71

Effects of Naja nigricollis venom on blood and tissue histamine. Mohamed AH, et al. Toxicon 9:169-72, Apr 71

Relationship between pharmacological actions and enzymatic activities of the venom of Trimeresurus gramineus. Ouyang C, et al. Toxicon 8:183-91, Aug 70

Effect of Latrodectus mactans tredecimguttatus venom on sympathetic ganglion isolated in vitro. Paggi P, et al. Toxicon 9:265-9, Jul 71

Cardiovascular and muscular effects of venom from coral snake, Micrurus fulvius. Weis R, et al. Toxicon 9:219-28, Jul 71

The effect of scorpion venom on blowfly larvae--a new method for the evaluation of scorpion venoms potency. Zlotkin E, et al. Toxicon 9:1-8, Jan 71

The effects of a cobra venom factor and ethyl palmitate on the prolongation of survival of heterologous erythrocytes. Wright MC, et al. Yale J Biol Med 43:173-6, Dec 70

[Comparative neuromuscular action of crotamine and veratrine] Bouriliet F. Ann Pharm Fr 28:535-44, Sep-Oct 70 (Fre)

[Action of the gamma toxin of venom of Naja nigricollis on KB cells cultivated in vitro] Boquet P. C R Acad Sci [D] (Paris) 271:2422-5, 21 Dec 70 (Fre)

[Tetrodotoxin, calcium and scorpion venom] Tazieff-Depierre F. C R Acad Sci [D] (Paris) 271:1655-7, 2 Nov 70 (Fre)

[A comparison of the neuromuscular action of crotamine and the venom of Crotalus durissus terrificus var. crotaminicus. 2. Isolated preparations] Cheymol J, et al. Toxicon 9:287-9, Jul 71 (Fre)

[A comparison of the neuromuscular action of crotamine and the venom of Crotalus durissus terrificus var. crotaminicus. 1. Neuromuscular preparations in situ] Cheymol J, et al. Toxicon 9:279-86, Jul 71 (Fre)

[Solubilization of mitochondrial NAD(P)-transhydrogenase by means of a snake venom] Salvenmoser F, et al. Enzymologia 40:322-7, 31 May 71 (Ger)

[Comparative hemolysis experiments on guinea pig and rat erythrocytes in vitro with phospholipase A and direct lytic factor from cobra (Naja naja) venom] Oldigs HD, et al. Naunyn Schmiedebergs Arch Pharmakol 268:27-32, 1971 (Ger)

[Influence of Echis carinata venom on hemostasis] Zimmermann H, et al. Thromb Diath Haemorrh 25:425-37, 30 Jun 71 (Ger)

POISONING

Haemodialysis in poisoning by sea-snake venom. Sitprija V, et al. Br Med J 3:218-9, 24 Jul 71

Snake venom poisoning in the United States. Russell FE. Med Arts Sci 23:3-14, 1969

Venom Poisoning. Russell FE. Ration Drug Ther 5:1-7, Aug 71

RADIATION EFFECTS

The effect of ultra-violet light on the toxicity and the enzymatic and antigenic activities of snake venom. Tejasen P, et al. Toxicon 8:225-33, Sep 70

SECRETION

Sudanophilic and pas-positive granules in venom gland of Vespa orientalis. Kanwar KC, et al. Toxicon 9:179-82, Apr 71

STANDARDS

A change in Russell's viper venom (Stypven): modification of factor V assay to compensate. Pool JG, et al. J Lab Clin Med 77:343-5, Feb 71

THERAPEUTIC USE

The effect of intraperitoneal Malayan pit-viper venom on adhesion formation and peritoneal healing. Ashby EC, et al. Br J Surg 57:863, Nov 70

Treatment of experimental venous thrombosis with streptokinase and ancrod (Arvin). Pitney WR, et al. Br J Surg 58:442-7, Jun 71

The effect of Arvin on blood-coagulation and patency of venovenous shunts in the dog. Van der Ziel C, et al. Br J Surg 57:856, Nov 70

Anticoagulation by ancrod for haemodialysis. Hall GH, et al. Br Med J 4:591-3, 5 Dec 70

Further experience in the use of ancrod (Arvin) to prevent thrombosis on prosthetic heart valves. Singh MP, et al. Thorax 26:167-71, Mar 71

The use of ancrod to prevent thrombosis on prosthetic heart valves. An experimental study. Singh MP, et al. Thorax 25:472-6, Jul 70

[Treatment of long-standing priapism with defibrination] Bakker K, et al. Ned Tijdschr Geneeskd 115:1109-11, 26 Jun 71 (Dut)

[Evaluation of the prophylactic and therapeutic effect of Bothropase in vaccinia in animals and man] Bassetti D, et al. G Mal Infett Parassit 21:950-3, Dec 69 (Ita)

[Action of snake Bothrops jararaca venom in the treatment of ophthalmic zona] Arezzi R. Minerva Oftalmol 11:43-7, Mar-Apr 69 (Ita)

[Reptilase-induced molecular defect: treatment of thrombosis with Reptilase] Egberg N. Nord Med 85:434, 8 Apr 71 (Swe)

TOXICITY

Mitochondrial changes in the guinea-pig muscle after envnomation with Vespa orientalis venom. Sandbank U, et al. Experientia 27:303-4, 15 Mar 71

Effect of thiol-compound on toxicity of habu snake (Trimeresurus flavoviridis hallowell) venom. Kurihara N, et al. Jap J Pharmacol 21:253-61, Apr 71

Ultrastructural studies of myonecrosis induced by cobra venom in mice. Stringer JM, et al. Toxicol Appl Pharmacol 18:442-50, Feb 71

Toxicity and some enzymatic properties and activities in the venoms of Crotalidae, Elapidae and Viperidae. Kocholaty WF, et al. Toxicon 9:131-8, Apr 71

Some pharmacological characteristics of the venom of the alphabet cone, Conus spurius atlanticus. Songdahl JH, et al. Toxicon 8:289-92, Nov 70

[Induced resistance of the rabbit to increasing doses of Loxosceles laeta venom] Schenone H, et al. Toxicon 8:285-8, Nov 70 (Spa)

VENOUS PRESSURE (G1)

Venous return changes during intra-aortic balloon pumping. Moulopoulos S, et al. Acta Cardiol (Brux) 25:510-6, 1970

Venous pressure changes during congestion. Venous pressure in the great saphenous vein during congestion with a blood pressure cuff proximal to the knee. Hesse B. Acta Med Scand 188:447-9, Nov 70

Directional transcutaneous assessment of venous inflow. Alexander RH, et al. Am Heart J 82:86-92, Jul 71

Circulation time and venous pressure. Lawrence T. Am Heart J 81:728, May 71

The influence of venous collecting pressure on measurements of calf blood flow by venous occlusion plethysmography. Lorentsen E, et al. Angiology 21:661-77, Nov 70

Renal sampling in the awake intact baboon. Reed PC, et al. Arch Surg 102:195-6, Mar 71

The effect of venous occlusion on capillary size in man. Burki NK, et al. Cardiovasc Res 4:274-8, Jul 70

Hydrocephalus associated with raised venous pressure. Lange S de, et al. Dev Med Child Neurol [Suppl] 22:Suppl 22:28+, 1970

A study of coronary venous pressure tracings. Srivastava S, et al. Indian J Med Res 58:468-72, Apr 70

Applanation and Schiötz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71

Applanation and Schiotz tonometer standardizations for the owl monkey eye with a new technique for measuring episcleral venous pressure. Mims JL 3d, et al. Invest Ophthalmol 10:190-7, Mar 71

Effect of systemic and pulmonary venous hypertension on pleural and pericardial fluid accumulation. Mellins RB, et al. J Appl Physiol 29:564-9, Nov 70

Ventricular size and chronic increased intracranial venous pressure in the dog. Guthrie TC, et al. J Neurosurg 33:407-14, Oct 70

Forearm vasodilatation following release of venous congestion. Caro CG, et al. J Physiol (Lond) 207:257-69, Apr 70

Pressure changes in different veins of the hand during venous occlusion plethysmography. Corbett JL, et al. J Physiol (Lond) 207:39P-40P, Mar 70

Renal response to saline load in experimental liver disease. Mullane JF, et al. J Surg Res 10:519-23, Nov 70

Studies on the relationship between venous pressure and arterio-venous difference of plasma osmolality in congestive heart failure. Hayase S, et al. Jap Circ J 34:1165-75, Dec 70

The influence of elevated venous pressure on blood-tissue exchange of 22Na in perfused hindlimbs of dogs. Imao T. Jap Circ J 35:1-20, Jan 71

Experimental studies on the relationship between the elevated venous pressure and osmolal arterio-venous difference. Kondo Y. Jap Circ J 34:1177-96, Dec 70

Variability in measurement of venous tone reactions with the occluded limb technique. Delius W. Scand J Clin Lab Invest 27:207-12, May 71

Venous pressure in the lower limbs. Nambiar R. Singapore Med J 11:100-2, Jun 70

Influence of level of ligation on the results of vena caval interruption. Beitz WR, et al. Surg Gynecol Obstet 133:257-61, Aug 71

[Significance of venous pressure determination in obstetrics and gynecology] Zemenová M, et al. Cesk Gynekol 35:419-22, Sep 70 (Cze)

[Physiological variations of the venous return registered by transcutaneous route at the level of the internal jugular vein extra-respiratory variation] Kalmanson D, et al. Arch Mal Coeur 62:1386-403, Oct 69 (Fre)

[The nervous control of peripheral venous constriction at the beginning of exercise. Comparative study in normal man and in paraplegia due to section of the dorsal spinal cord] Bidart Y, et al. Pathol Biol (Paris) 19:13-9, Jan 71 (Fre)

[Diaphragmatic venous pump. Its effects in decubitus at the inferior limb (transcutaneous study)] Laulhe M. Phlebologie 23:265-73, Jul-Sep 70 (Fre)

[Hemodynamics of venous reflux from lower limbs. Methods and physiology] Rieckert H. Arch Kreislaufforsch 62:293-318, Aug 70 (Ger)

[Peripheral venous pressure determination in primary and secondary varicosis] Hansen G, et al. Chirurg 42:225-6, May 71 (Ger)

[Bloodless measurement of the venous pressure. A method for routine studies of venous circulation disorders] Kuiper JP, et al. Hautarzt 22:153-9, Apr 71 (Ger)

[The hepato-jugular reflux] Follath F. Internist (Berlin) 12:220-1, May 71 (Ger)

[Hepato-jugular reflux as a sign of the right ventricular heart insufficiency] Follath F, et al. Schweiz Med Wochenschr 100:165-7, 31 Jan 70 (Ger)

[Venous impurity and chronic intestinal diseases]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Kunkel G, et al.
Schweiz Med Wochenschr 101:319-25, 6 Mar 71 (Ger)
[Capacity changes in the blood vessels of extremity following surgical corrective of heart defects] Delius W. Z Kreislaufforsch 58:1283-91, Dec 69 (Ger)
[Are the perforator veins, considered incompetent phlebographically, physiologically insufficient. (A physiological consideration)] Bernink BP.
Zentralbl Phlebol 10:41-6, 1971 (Ger)
[Physiopathologic significance of superficial venous oleomanometry of lower limbs in peripheral obstructive chronic arteriopathies] Marcialis A, et al.
G Ital Chir 25:111-29, Mar 69 (Ita)
[Constant pressure tonography with intraocular pressure of the level of extraocular venous pressure] Itoi M.
Acta Soc Ophthalmol Jap 74:1256-62, Sep 70 (Jap)
[The role of the venous component in cerebral arachnoiditis and several problems concerning differentiated therapy] Kraftman LB.
Zh Nevropatol Psikhiatr 70:1146-9, 1970 (Rus)
[Venous pressure] Araya E.
Prensa Med Argent 58:541-3, 14 May 71 (Spa)
[Study of portal circulation by the umbilical route: registration of pressure, humoral study and action of phenylalanine-lysine-vasopressin] Fernandez A, et al.
Rev Int Hepatol 19:509-27, 1969 (Spa)
[Idiopathic dysfunction of the venous pump in the calf] Arnoldi CC.
Lakartidningen 67:3055-63, 16 Dec 70 (Swe)
[Changes in the pulmonary vein pressure in lung resection] Berezovskii OI.
Fiziol Zh 17:254-6, Mar-Apr 71 (Ukr)

DRUG EFFECTS

[Pharmacologic influencing of the larger veins] Felix W. Dtsch Med J 22:422-5, 5 Jul 71 (Ger)
[Effects of a thiobarbiturate on intracranial, systemic arterial and systemic venous pressures in man] Siani C, et al.
Boll Soc Ital Biol Sper 45:1475-8, 30 Nov 69 (Ita)
[The effect of caffeine on the arterial and venous pressure in patients with cerebral circulatory disorders] Pavolotskaia RSh.
Vrach Delo 49-53, Jan 71 (Rus)

VENOUS PRESSURE, CENTRAL see CENTRAL

VENOUS PRESSURE (G1)

VENOUS THROMBOSIS see under

THROMBOPHLEBITIS (C8)

VENTILATION (G3)

Performance of ventilation equipment. Robinson KE.
Am Ind Hyg Assoc J 32:293-8, May 71
The dehumidifier: its indoor use in controlling molds and mold asthma--a personal case history. Villaveces JW. Ann Allergy 29:93-8, Feb 71
Laminar airflow protection in bone marrow transplantation. Solberg CO, et al.
Appl Microbiol 21:209-16, Feb 71
Particulates in domestic premises. I. Ambient levels and central air filtration. Lefcoe NM, et al.
Arch Environ Health 22:230-8, Feb 71
Laminar air purge of microorganisms in dental aerosols: prophylactic procedures with the ultrasonic scaler. Williams GH 3d, et al.
J Dent Res 49:Suppl:1498+, Nov-Dec 70
Protection from microbial contamination in a room ventilated by a uni-directional air flow. Lidwell OM, et al. J Hyg (Camb) 67:95-108, Mar 69
Bacteriological observations in a mechanically ventilated experimental ward and in two open-plan wards. Whyte W, et al.
J Med Microbiol 2:335-45, Aug 69
Choice of ventilating system for operating-theatres. Scott C, et al. Lancet 2:217, 24 Jul 71
Choice of ventilation system for operating-theatres. Comparison of turbulent versus laminar-linear flow systems in operating-rooms and industrial clean rooms. Scott CC, et al. Lancet 1:1288-91, 19 Jun 71
Hazards from products of combustion and oxygen depletion in occupied spaces. Kent AD.
Occup Health Rev 21:1-18, 1970
[Aseptic work rooms of the laminar air flow type] Jansen-Schnetkamp CJ, et al.
Pharm Weekbl 105:1345-58, 20 Nov 70 (Dut)
[Resuscitation and intensive care departments in modern hospitals. Unit premises: hygienic problems and microclimate] Cremonini G.
Acta Anaesthesiol (Padova) 21:69-79, Jan-Feb 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions. 3] Pigorini F, et al. Policlinico [Prat] 77:933-49, 20 Jul 70 (Ita)
[Ventilation of aerosol-inhalation rooms] Ashbel' SI, et al.
Vopr Kurortol Fizioter Loch Fiz Kult 36:72-6, 1971 (Rus)
[Efficacy of window ventilation in military dormitories] Zović D.
Vojnosanit Pregl 28:3-6, Jan 71 (Cro)

INSTRUMENTATION

Choice of ventilating system for operating-theatres. Butler PR. Lancet 2:100-1, 10 Jul 71
Choice of ventilation system for operating-theatres. Comparison of turbulent versus laminar-linear flow systems in operating-rooms and industrial clean rooms. Scott CC, et al. Lancet 1:1288-91, 19 Jun 71
[Methods of ventilation control] Bastenier H, et al.
Arch Belg Med Soc 27:367-74, Jun 69 (Fre)

VENTILATION-PERFUSION RATIO (E1, G1)

see also related
PULMONARY CIRCULATION (G1)

Ventilation-perfusion ratio during intermittent positive-pressure ventilation. Importance of no-flow interval during the insufflation. Lyager S.
Acta Anaesthesiol Scand 14:211-32, 1970
Effects of ventilation on pulmonary riterial flow and vascular conductance. Murao H, et al.
Am Heart J 81:69-79, Jan 71
Lung function in shock. Prys-Roberts C.
Int Anesthesiol Clin 7:759-73, Winter 69 (14 ref.)
Local interrelationships between ventilation and pulmonary blood flow. Samanek M.
J Fr Med Chir Thorac 24:701-5, Sep-Oct 70
Evaluation of a 133Xe ventilation technique for diagnosis of pulmonary disorders. Farmelant MH, et al. J Nucl Med 12:586-90, Sep 71
Investigation of lung perfusion by simultaneous use of scintigraphy and aminophylline. Ernst H, et al.
J Physiol (Lond) 206:23P-25P, Feb 70
Ventilation and perfusion after transplantation of the lung. Studies with intravenous xenon-133. Hutchin P, et al. J Thorac Cardiovasc Surg 61:476-86, Mar 71
Ventilation perfusion relationships following correction of kyphoscoliosis. Shannon DC, et al.
JAMA 217:579-84, 2 Aug 71
Causes of carbon dioxide retention in lung disease. West JB. N Engl J Med 284:1232-6, 3 Jun 71
Adjustment of ventilation and perfusion in the full-term normal and distressed neonate as determined by urinary alveolar nitrogen gradients. Krauss AN, et al. Pediatrics 47:865-9, May 71
Dyspnea: pathophysiology and differential diagnosis. Rapaport E.
Progr Cardiovasc Dis 13:532-45, May 71 (32 ref.)
Pulmonary perfusion changes after experimental unilateral bronchial occlusion and their clinical implications. Isawa T, et al.
Radiology 99:355-60, May 71
Clinical application of regional pulmonary function studies. Surprenant EL, et al.
Radiology 99:823-31, Jun 71
Expiratory gas concentration curves for examination of uneven distribution of ventilation and perfusion in the lung. Second communication: experiments. Van Meerten RJ. Respiration 28:167-85, 1971
Pulmonary function studies using radio-isotope xenon-133. Holloway R, et al.
S Afr Med J 44:1240-4, 31 Oct 70
[Changes in pulmonary ventilation and respiration from the aspect of regular check-up examinations of patients operated on cancer of the lungs] Navrátil M, et al. Cas Lek Cesk 110:289-94, Mar 71 (Cze)
[Relation of load and rehabilitation to V O2 , to V CO2 and lactic acid levels] Skranc O, et al.
Cesk Fysiol 19:291-4, Dec 70 (Cze)
[Methods for rapid determination of oxygen tension in expired gases] Meerten RJ van.
Maandschr Kindergeneeskd 39:123-33, May 71 (Dut)
[Course of respiratory output during acute induced pulmonary edema in dogs] Boivin R, et al.
J Physiol (Paris) 63:14A-15A, Mar-Apr 71 (Fre)
[Regulation of arterial blood CO2 composition by ventilation during constant pressure moderated muscular exercise] Chamblile B, et al.
J Physiol (Paris) 63:23A, Mar-Apr 71 (Fre)
[Influence duration of exercise on the mechanisms of ventilatory regulation in the waking dog] Flandrois R, et al. J Physiol (Paris) 62:Suppl 2:276, 1970 (Fre)
[Effectiveness of ventilation in obstructive diseases] César J. Laval Med 41:1012-3, Oct 70 (Fre)
[New viewpoints on the so-called arterio-alveolar CO2-pressure difference] Standfuss K, et al.
Anaesthesist 20:50-1, Feb 71 (Ger)
[Mathematical models in physiology and medicine] Adam WE, et al.
Biomed Tech (Stuttg) 16:72-6 concl, Apr 71 (Ger)
[Differential diagnosis of perfusion disorders with the aid of combined pulmonary scintigraphy, especially in the differentiation of pulmonary embolism] Fridrich R, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:219-31, Aug 70 (Ger)
[CO2 arterial-alveolar difference in the course of cystic fibrosis] Battistini A, et al.
Fracastoro 63:643-8, May-Aug 70 (Ita)
[Intrapulmonary distribution of inspired gases in the course of positive and transverse accelerations] Janigro G, et al.
Minerva Med 61:4215-20, 26 Sep 70 (Ita)
[Respiratory physiopathologic findings on various cases of pulmonary sarcoidosis] Gatto PL, et al.
Pathologica 61:279-82, Sep-Oct 69 (Ita)
[Radioisotopes in the dynamic functional study of pulmonary ventilation, perfusion and diffusion] Semprebene L, et al.
Policlinico [Med] 76:165-201 contd, Jul-Aug 69 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al.
Policlinico [Prat] 77:1067-83, 24 Aug 70 (Ita)
[Pneumoscintigraphy in the study of pulmonary ventilation and perfusion functions] Pigorini F, et al.
Policlinico [Prat] 77:1029-48, 10 Aug 70 (Ita)
[Pneumoscintigraphy in the study of the functions of pulmonary ventilation and perfusion] Pigorini F, et al.
Policlinico [Prat] 77:775-89 contd, 15 Jun 70 (Ita)
[Pneumoscintigraphy in the study of the functions of ventilation and pulmonary perfusion] Pigorini F, et al.
Policlinico [Prat] 77:839-52 concl, 29 Jun 70 (Ita)
[Ventilation indexes during exercise] Nogueira DP.
Rev Saude Publica 4:51-4, Jun 70 (Por)
[Partial blood flow and ventilation in restricted forms of chronic pneumonia] Batkin IZ.
Ter Arkh 42:64-6, Jun 70 (Rus)
[Some indices of the ventilatory function of the lungs in surgical treatment of laryngeal cancer] Shvartsman Ala.
Zh Ushn Nos Gorl Bolezn 29:62-7, Jul-Aug 69 (Rus)
[Study on the diffusion capacity of each lung] López-Majano V, et al. Torax 19:89-94, Jun 70 (Spa)

DRUG EFFECTS

Effects of isoprenaline plus phenylephrine by pressurized aerosol on blood gases, ventilation, and perfusion in chronic obstructive lung disease. Harris LH. Br Med J 4:579-82, 5 Dec 70
[Symposium of lung doctors. 8. Changes in arterial blood gas tension during bronchodilator treatment] Georg J. Lakartidningen 68:606-9, 3 Feb 71 (Swe)

VENTRAL HERNIA (C4)

[Obturator hernia] Mordechai I, et al.
Harefuah 78:552-4, 1 Jun 70 (Heb)
[Further data on traumatic hernia] Polichetti E.
Minerva Med 62:2961-8, 18 Aug 71 (Ita)
[Hernia of Spigelius' line] Mantonico-Santoro M, et al.
Rass Int Clin Ter 51:305-14, 15 Mar 71 (Ita)
[Intestinal eventration in recurring inguinal hernia] Bukhalo AE. Khirurgiia (Mosk) 46:124-5, Oct 70 (Rus)

COMPLICATIONS

[Acute intestinal obstruction in postoperative ventral hernia unconnected with strangulation] Korzon IK.
Vestn Khir 106:130-1, Jan 71 (Rus)

CONGENITAL

Ventral hernia coverage with Silon after correction of congenital diaphragmatic hernia. Mahour GH, et al.
J Pediatr Surg 6:75, Feb 71
The treatment of gastroschisis. Savage JP, et al.
J Pediatr Surg 6:148-52, Apr 71
Lateral plication of synthetic sack for large gastroschisis and omphalocele defects. Shim WK.
J Pediatr Surg 6:143-7, Apr 71

ETIOLOGY

Cause and repair of large incisional hernias. Boerema I.
Surgery 69:111-6, Jan 71
[Interparietal postoperative hernia following appendectomy] Dubinskiĭ MB.
Vestn Khir 105:47-8, Oct 70 (Rus)

RADIOGRAPHY

The Spigelian hernia: radiographic manifestations. Arida EJ, et al. Br J Radiol 43:903-5, Dec 70
Spigelian hernia and a "redundant" sigmoid colon. Oon EY. Med J Aust 1:329-31, 6 Feb 71

SURGERY

Management of complicated omphaloceles. Stone HH, et al. Am Surg 37:224-9, Apr 71
Surgical treatment of gastroschisis. Description of a modification of the staged treatment for large defects. Shim WK. Arch Surg 102:524-9, May 71
Pneumoperitoneum for ventral hernia repair: anesthesia complication. Johnson WC.
JAMA 217:968, 16 Aug 71
Repair of a large incisional hernia in the presence of irreducible bowel. Usher FC.
Surg Clin North Am 50:1171-6, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Cause and repair of large incisional hernias. Boerema I. Surgery 69:111-6, Jan 71
Bilateral interstitial hernia in the newborn infant. Masih B, et al. Surgery 69:577-81, Apr 71
[The skin. Suture material in large eventrations] Theodoresco D. Chirurgie 97:147-9, 1971 (Fre)
[A modification of surgical treatment of huge abdominal hernias in scars] Kuś H. Pol Przegl Chir 42:1445-9, Oct 70 (Pol)
[Treatment of patients with abdominal hernias with alloplastic prosthesis] Akhunbaev IK, et al. Khirurgiia (Mosk) 46:69-73, Dec 70 (Rus)
[Several ways to prevent and treat strangulated external abdominal hernias at a regional hospital] Spasiuk MI, et al. Klin Khir 9:57, Sep 70 (Rus)
[External bilateral hernia of the linea alba, wrongly called Spiegel's hernia. Its simultaneous treatment with left crural hernia] Crosbie JC, et al. Prensa Med Argent 56:1670-1, 31 Oct 69 (Spa)

THERAPY

Pneumoperitoneum and-or temporary plastic prosthesis in repair of giant ventral hernia in children. Gilbert MG, et al. South Med J 64:1004-9, Aug 71

VETERINARY

[Hernia abdominalis utero gravido in a 8-year-old cow (short clinical report)] Luhmann F, et al. Dtsch Tieraerztl Wochenschr 77:31-3, 15 Jan 70 (Ger)

VENTRICULAR FIBRILLATION (C8)

Vulnerability of premature beats to A.C. stimuli of long duration. Vanremoortere EC. Acta Cardiol (Brux) 26:121-49, 1971
Heparinless total left heart bypass with induced ventricular fibrillation. Wakabayashi A, et al. Am J Surg 122:243-8, Aug 71
Effect of mercury derivatives of fluorescein on the fibrillation threshold in experimental myocardial infarction. Málek P, et al. Experientia 27:273, 15 Mar 71
[Paroxysmal tachycardia and ventricularfibrillation in patients with a regularly operating pacemaker] Nava A, et al. Folia Cardiol (Milano) 28:157-70, Jul-Aug 69 (Ita)
[Arrhythmias during the treatment with pacemakers synchronized on the P wave] Santoli C, et al. Minerva Cardioangiol 17:585-90, Sep 69 (Ita)
[Recurrent paroxysmal ventricular tachycardia] Scardi S, et al. Minerva Med 61:5879-83, 19 Dec 70 (Ita)

BLOOD

Myocardial potassium and ventricular arrhythmias following reperfusion of ischaemic myocardium. Taylor RR. Aust NZ J Med 1:114-20, May 71

CHEMICALLY INDUCED

Ventricular fibrillation caused by arsenic poisoning. St. Petery J, et al. Am J Dis Child 120:367-71, Oct 70
Cardiac arrhythmias and aerosol "sniffing". Reinhardt CF, et al. Arch Environ Health 23:265-79, Feb 71
Isolation of sodium as a cause of ventricular fibrillation. Snyder C, et al. Invest Radiol 6:245-8, Jul-Aug 71
Ventricular arrhythmias associated with the use of diazepam for cardioversion. Barrett JS, et al. JAMA 214:1323-4, 16 Nov 70
Quinidine-induced recurrent ventricular fibrillation: (quinidine syncope) treated with transvenous pacemaker. Miller DS, et al. South Med J 64:597-601, May 71
[Poisoning with dibenzepine (Deprex) resulting in ventricular fibrillation] Hoffmann NO. Ugeskr Laeger 132:1877-9, 1 Oct 70 (Dan)
[Mechanism of the ventricular fibrillation following intravenous adrenaline administration under halothane anesthesia] Himeno K. J Kumamoto Med Soc 45:69-93, 25 Jan 71 (Jap)

COMPLICATIONS

Long-term prognosis following ventricular fibrillation in acute ischaemic heart disease. McNamee BT, et al. Br Med J 4:204-6, 24 Oct 70
Cardiac arrest in ventricular fibrillation after circulatory reestablishment in the coronary arteries. Arnulf G, et al. J Cardiovasc Surg (Torino) 12:174-6, May-Jun 71
Syncope in myxoedema due to transient ventricular fibrillation. Macaulay MB, et al. Postgrad Med J 47:361-3, Jun 71
[Syncopal crisis in the course of attacks of paroxysmal tachyarrhythmia caused by total cardiac pauses and by ventricular fibrillation] Meyer P, et al. Arch Mal Coeur 64:289-95, Feb 71 (Fre)
[General anesthesia for a patient with past history of paroxysmal ventricular fibrillation] Yusa T, et al. Jap J Anesthesiol 20:669-75, Jul 71 (Jap)
[Characteristics of the changes in afferent impulsation in cardiac nerves in experimental myocardial infarct complicated by ventricular fibrillation] Khalimova KM, et al. Kardiologiia 10:68-75, 1970 (Rus)
[Spontaneous cessation of ventricular flutter in a patient with complete transverse heart block] Liutyi VA. Klin Med (Mosk) 49:130-2, Jan 71 (Rus)

DIAGNOSIS

Premature atrial contractions--a look at those aberrantly conducted. King SB 3d, et al. Rocky Mt Med J 68:60-2, Mar 71

DRUG THERAPY

Treatment of ventricular arrhythmias with bretylium tosylate. Krall JI, et al. Am Heart J 81:288, Feb 71
Relative effectiveness of three antiarrhythmic agents in the treatment of ventricular arrhythmias in experimental acute myocardial ischemia. Weisse AB, et al. Am Heart J 81:503-10, Apr 71
Intramuscular lidocaine in the therapy of ventricular arrhythmias. Bellet S, et al. Am J Cardiol 27:291-3, Mar 71
The effect of mepivacaine, bupivacaine, and lidocaine on digitalis-induced ventricular arrhythmias. Dunbar RW, et al. Anesth Analg (Cleve) 49:761-6, Sep-Oct 70
Effect of magnesium on ventricular fibrillation due to hypothermia. Büky B. Br J Anaesth 42:886-8, Oct 70
The antifibrillatory effects of antazoline. Georgopoulos A, et al. Bull Soc Int Chir 28:326-31, May-Jun 69
Bretylium tosylate in the management of refractory ventricular fibrillation. Dhurandhar RW, et al. Can Med Assoc J 105:161-5 passim, 24 Jul 71
Experimental and clinical effects of bretylium tosylate on ventricular fibrillation, arrhythmias, and heart block. Bacaner M. Geriatrics 26:132-48, Jan 71
Effect of pancuronium bromide, a new steroidal neuromuscular blocking agent, on halothane-adrenaline-evoked ventricular arrhythmias in dog. Sharma PL. Indian J Med Res 58:1736-41, Dec 70
[Recurrent ventricular fibrillation after myocardial infarct treated with propranolol (Inderal)] Luger GW, et al. Ned Tijdschr Geneeskd 115:799-801, 1 May 71 (Dut)
[Treatment of tachycardiac arrhythmias and arterial hypertension with verapamil] Bender F. Arzneim Forsch 20:Suppl 9a:1310+, Sep 70 (Ger)
[Quantitative comparative studies on the changing of the ventricular fibrillation threshold by antifibrillatory substances] Diederich KW, et al. Z Kreislaufforsch 59:736-43, Aug 70 (Ger)
[Use of lidocaine in an unusual case of ventricular fibrillation] Borney G, et al. Minerva Med 62:2844-8, 21 Jul 71 (Ita)
[Antiarrhythmic drugs in prevention of recurrent ventricular fibrillation] Szmydt W, et al. Pol Tyg Lek 26:99-101, 18 Jan 71 (Pol)

ETIOLOGY

Fatal swelling of mitral ball valve 51 months after replacement. Lónyai T. Acta Chir Acad Sci Hung 11:113-6, 1970
Time course of vulnerability to fibrillation after experimental coronary occlusion. Burgess MJ, et al. Am J Cardiol 27:617-21, Jun 71
Primary ventricular fibrillation complicating acute myocardial infarction. Dhurandhar RW, et al. Am J Cardiol 27:347-51, Apr 71
Possible myocardial adaptation to acute coronary occlusion. Relation to catecholamines. Dutta SN, et al. Arch Int Pharmacodyn Ther 185:5-12, May 70
Ventricular fibrillation. A possible mechanism of sudden death in patients and Wolff-Parkinson-White syndrome. Dreifus LS, et al. Circulation 43:520-7, Apr 71
The role of free fatty acids in the production of ventricular arrhythmias after acute coronary artery occlusion. Kurien VA, et al. Eur J Clin Invest 1:225-41, Jan 71
DC cardioversion. Late onset of ventricular fibrillation and its control with temporary endocardial pacing. Cherian G, et al. J Assoc Physicians India 19:359-62, May 71
Free fatty acids and heart-attacks. Lancet 1:843-4, 24 Apr 71
Ventricular arrhythmias following acute myocardial infarction. Ewy GA. Southwest Med 52:75-85, Apr 71
Acute coronary insufficiency and life-threatening cardiac arrhythmias eight months after triple heart valve replacement. Najafi H, et al. Surg Clin North Am 50:1119-27, Oct 70
[Long-term prognosis after ventricular fibrillation in acute myocardial infarction] Inkovaara J, et al. Duodecim 87:1046-52, 1971 (Fin)
[Ventricular fibrillation in acute myocardial infarct. Apropos of 7 cases with recovery] Cornil A, et al. Acta Clin Belg 24:236-50, 1969 (Fre)
[Electrocution in the operating room] Cordier M. Anesth Analg (Paris) 28:285-92, Mar-Apr 71 (Fre)
[2 lethal cases of Wolff-Parkinson-White syndrome] Martin-Noel P, et al. Arch Mal Coeur 63:1647-56, Nov 70 (Fre)
[Role of staggered conduction disorders in the genesis of a ventricular fibrillation appearing during a recent myocardial infarct successfully resuscitated] Chapelle M, et al. Coeur Med Interne 9:531-8, Oct 70 (Fre)
[Ventricular fibrillation after heart valve replacement] Czapó G, et al. Verh Dtsch Ges Kreislaufforsch 36:101-4, 1970 (Ger)
[Fatal ventricular fibrillation in an infant with Bland-White-Garland syndrome and endocardial fibroelastosis] Vítek B, et al. Z Kreislaufforsch 59:1111-6, Dec 70 (Ger)
[Atrial arrythmia caused by ventricular extrasystole. II] Czapó G. Orv Hetil 112:255-7, 31 Jan 71 (Hun)
[Late ventricular fibrillation following cardiac electroshock] Tuveri A, et al. Boll Soc Ital Cardiol 14:219-24, 1969 (Ita)
[Ventricular tachycardia caused by a pacemaker] Martinoli E. Minerva Med 61:5420-4, 28 Nov 70 (Ita)
[Tachyarrhythmias caused by acute myocardial infarct] Popescu PN, et al. Med Interna (Bucur) 22:1443-50, Dec 70 (Rum)
[Significance of excitation dispersion of different areas of the heart for the development of extrasystole and ventricular fibrillation in experimental myocardial infarct] Fei'd BN. Kardiologiia 11:55-62, Jan 71 (Rus)
[Ventricular fibrillation as a complication of electroimpulse therapy of cardiac arrhythmia] Klets RL, et al. Kardiologiia 10:117-21, Jul 70 (Rus)
[Utilization of the mathematical method in differential diagnosis of atherosclerotic cardiosclerosis and mitral heart defect complicated by fibrillation arrhythmia] Khalfen ESh, et al. Ter Arkh 41:6-11, Sep 69 (Rus)
[Heart rhythm disorders due to potassium depletion. 2 observations of ventricular fibrillation] Casamayor del Cacho M, et al. Rev Esp Cardiol 23:404-19, Jul-Sep 70 (Spa)

METABOLISM

Myocardial metabolism during and after double valve replacement. Moffitt EA, et al. Can Anaesth Soc J 18:33-50, Jan 71
The relationship to ventricular fibrillation of early tissue sodium and potassium shifts and coronary vein potassium levels in experimental myocardial infarction. Cherry G, et al. J Thorac Cardiovasc Surg 61:587-98, Apr 71
[Fibrillation and cardiac metabolic level] Faucon G, et al. J Physiol (Paris) 62:Suppl 3:373, 1970 (Fre)

PHYSIOPATHOLOGY

Electrocortigraphic limits of cerebral viability during cardiac arrest and resuscitation. Yashon D, et al. Am J Surg 121:728-31, Jun 71
The effects of closed-chest venoarterial bypass with oxygenation on cardiopulmonary hemodynamics. Evans D, et al. J Thorac Cardiovasc Surg 62:76-83, Jul 71
Sensitization by low temperature of the isolated perfused heart to induced ventricular fibrillation. Murnaghan MF. Pflugers Arch 325:125-38, 1971
[The syndrome, "QT lengthening and syncope due to torsion of the points"] Slama R, et al. Laval Med 42:353-66, 1971 (Fre)
[Characteristics of the changes in afferent impulsation in cardiac nerves in experimental myocardial infarct complicated by ventricular fibrillation] Khalimova KM, et al. Kardiologiia 10:68-75, 1970 (Rus)
[Lymphatic flow and cardiac recovery in ventricular arrest and fibrillation, determined by the most common methods in surgery and heart transplantation] Celis A, et al. Cir Cir 37:10-36, Jan-Feb 69 (Spa)

PREVENTION & CONTROL

Prevention of ventricular fibrillation during hypothermia with bretylium tosylate. Buckley JJ, et al. Anesth Analg (Cleve) 50:587-93, Jul-Aug 71
Comparative effectiveness of lignocaine, quinidine, propranolol and procainamide as antifibrillatory agents. Murnaghan MF. Br J Pharmacol 40:149P, Sep 70
A third class of anti-arrhythmic action. Effects on atrial and ventricular intracellular potentials, and other pharmacological actions on cardiac muscle, of MJ 1999 and AH 3474. Singh BN, et al. Br J Pharmacol 39:675-87, Aug 70
Approaches to sudden death from coronary heart disease. Lown B, et al. Circulation 44:130-42, Jul 71
Effect of betamethasone on strophoid induced ventricular fibrillation in guinea-pigs. Sur RN, et al. Indian J Exp Biol 8:334-5, Oct 70
The effect of helium inhalation on asphyxia in dogs. O'Higgins JW, et al. J Thorac Cardiovasc Surg 61:870-4, Jun 71
Cestum in the prevention of cardiac arrhythmias induced by coronary ligation. Prasad K, et al. Surg Forum 21:166-7, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Experimental lymphography in cardiac arrest, electrical ventricular fibrillation and deep hypothermia. Célis A, et al.
Acta Radiol [Diagn] (Stockh) 10:465-75, Nov 70

SURGERY

Reversibily of left ventricular dysfunction following aorto-coronary by-pass grafts. Saltiel J, et al.
Am J Roentgenol Radium Ther Nucl Med 110:739-46, Dec 70

THERAPY

Repetitive ventricular fibrillation in myocardial infarction refractory to bretylium tosylate subsequently controlled by ventricular pacing. Feldman AE, et al. Am J Cardiol 27:227-30, Feb 71
Venoarterial pulsatile circulatory assist in the treatment of resistant ventricular fibrillation. Rosselot E, et al. Am J Cardiol 27:46-50, Jan 71
Pre-hospital coronary care service. Gearty GF, et al.
Br Med J 3:33-5, 3 Jul 71
Ventricular defibrillation with single and multiple half sinusoidal pulses of current. McFarlane J, et al.
Cardiovasc Res 5:286-92, Jul 71
Transthoracic ventricular defibrillation in the dog with unidirectional rectangular double pulses. Schuder JC, et al. Cardiovasc Res 4:497-501, Oct 70
Strength-duration curves for ventricular defibrillation in dogs. Geddes LA, et al. Circ Res 27:551-60, Oct 70
Pacemaker failure following external defibrillation. Gledwoyn JO. Circulation 44:293, Aug 71
External-internal defibrillation. An experimental and clinical appraisal. Borman JB, et al.
J Thorac Cardiovasc Surg 62:96-102, Jul 71
Defibrillatory treatment of exertional cardiac arrest in coronary disease. Bruce RA, et al.
JAMA 216:653-8, 26 Apr 71
"Endocardial thump". Kwast HA.
N Engl J Med 284:795, 8 Apr 71
Chest thumps and the heart beat.
N Engl J Med 284:392-3, 18 Feb 71
Quinidine-induced recurrent ventricular fibrillation: (quinidine syncope) treated with transvenous pacemaker. Miller DS, et al.
South Med J 64:597-601, May 71
External DC defibrillation during open heart surgery. Braimbridge MV, et al. Thorax 26:455-6, Jul 71
[Ventricular fibrillation in advanced cardiopathy: possibilities and limits of resuscitation] Fouchard J, et al. Coeur Med Interne 9:105-13, Jan 70 (Fre)
[External heart massage in recurrent ventricular fibrillation. Case reports] Domenichelli B, et al.
Chir Patol Sper 17:467-82, Dec 69 (Ita)
[Restoration of heart rhythm in ventricular fibrillation using different methods of assisted circulation] Shumakov VI, et al. Kardiologiia 11:116-20, 1971 (Rus)
[Case of multiple occurrence of clinical death against a background of ventricular fibrillation and ventricular tachycardia] Ganelina IE, et al.
Klin Med (Mosk) 49:118-21, Jan 71 (Rus)

VENTRICULOGRAPHY (E1)

Changes in the electrophoretic pattern of the lumbar cerebrospinal fluid during fractional gas encephalography. Iivanainen M, et al.
Acta Neurol Scand 47:91-105, 1971
Gas encephalographic findings in patients with profound mental retardation. Iivanainen M.
Acta Paediatr Scand [Suppl] 206:Suppl 206:116+, 1970
Cerebral angioautotomography. Smith JT, et al.
Am J Roentgenol Radium Ther Nucl Med 112:315-23, Jun 71
Diazepam and local analgesia for lumbar air encephalography. Edwards JC, et al.
Br J Anaesth 42:999-1004, Nov 70
The Dandy-Walker syndrome--a case with a patent foramen of the 4th ventricle demonstrated by encephalography. Strandgaard L.
Br J Radiol 43:734-8, Oct 70
Ventriculography via Torkildsen tube: a simple and useful technique. Takahashi M, et al.
Br J Radiol 44:475-6, Jun 71
An experimental and clinical assessment of water-soluble contrast medium in neuroradiology: a new medium--Dimer-X. Gonsette R.
Clin Radiol 22:44-56, Jan 71
Polytome-encephalography in the investigation of pituitary tumours. McLachlan MS, et al.
Clin Radiol 22:361-9, Jul 71
A method for visualizing the entire third ventricle. Nugent GR, et al. Confin Neurol 32:223-8, 1970
Intracranial measurements for stereotactic surgery. Slaughter DG, et al. Confin Neurol 32:250-4, 1970
Experimental Pantopaque ventriculography. Clark RG, et al. J Neurosurg 34:387-95, Mar 71
Conray ventriculography in the diagnosis of intraventricular and posterior fossa lesions. Technical note. Gonzalez-Cornejo S. J Neurosurg 34:405-7, Mar 71
Conray ventriculography in the diagnosis of brain tumors and congenital malformations in children. Technical note. Weiss SR, et al.
J Neurosurg 34:408-11, Mar 71
Ketamine in neuroradiology. Wilson GH.
Lancet 1:243-4, 30 Jan 71
Homicide during a psychomotor seizure. The importance of air-encephalography in establishing insanity under the McNaghten rules. Brewer C.
Med J Aust 1:857-9, 17 Apr 71
Pneumoencephalography in normal-pressure hydrocephalus. Gilbert GJ.
N Engl J Med 285:177-8, 15 Jul 71
Color radiography and the substraction technique. Guidetti B, et al. Neurochirugia 28:13-6, Jan-Jun 70
Myodil Ventriculograhy without fluoroscopy. Balaparameswara Rao S, et al.
Neurol India 18:231-3, Dec 70
Conray ventriculography. Dinakar I, et al.
Neurol India 19:27-30, Mar 71
Air meatography in investigation of cerebellopontin angle tumours. Isherwood I.
Proc R Soc Med 64:492, May 71
Some radiographic problems encountered in stereotactic surgery. Dawson BH, et al.
Radiography 37:131-9, Jun 71
Positive contrast ventriculography: a comparison between methylglucamine iothalamate sixty per cent and diiodeophenyl undecylate. Siqueira EB, et al.
Surg Forum 21:441-3, 1970
[Anesthesia for encephalography in children. The use of a mini-valve without movable parts] Benveniste D, et al. Ugeskr Laeger 133:1459-60, 30 Jul 71 (Dan)
[Pneumoencephalography in psychiatric diagnosis] Apo M, et al. Duodecim 87:367-75, 1971 (Fin)
[Indications of isotopic cisternography and ventriculography. 21 positive examinations] Noterman J.
Acta Neurol Belg 70:532-41, Sep-Oct 70 (Fre)
[Description of the slow phase of the normal electric ventriculogram: Application of this description to pathology: slow phase in abnormal T waves, anterior infarct, and complete auriculo-ventricular block] Dessertenne F.
Ann Cardiol Angeiol (Paris) 18:131-51, Apr-Jun 69 (Fre)
[The radioisotopic image as compared to the radiographic image in neuroradiology] Ancri D, et al.
J Radiol Electrol Med Nucl 51:53-4, Jan-Feb 70 (Fre)
[Experimental and clinical study of some water-soluble contrast media. Their possible use in radiculography, myelography and ventriculography] Gonsette R, et al.
J Radiol Electrol Med Nucl 51:19-28, Jan-Feb 70 (Fre)
[Survey of general anesthesia in neuroradiology: statistical study of 3,000 cases] Lavielle J, et al.
J Radiol Electrol Med Nucl 50:211-4, Mar-Apr 69 (Fre)
[Value of duroliopaque in ventriculography] Săceanu A. J Radiol Electrol Med Nucl 51:779-81, Dec 70 (Fre)
[Radio-anatomic aspects of thalamic region tumors] Giordano GB, et al.
Neurochirurgie 15:451-9, Nov 69 (Fre)
[Cerebral ventriculography with water soluble positive contrast medium (methylglucamine iothalamate)] Isamat F, et al. Neurochirurgie 16:577-85, Dec 70 (Fre)
[Check on echoencephalographic measurements of the 3d ventricle by axial pneumoencephalographic tomography] Spengos M, et al.
Rev Neurol (Paris) 122:337-42, May 70 (Fre)
[Systematic fractional gas encephalography in the study of the sequelae of tuberculous meningitis in young adults] Pernod J, et al.
Rev Tuberc Pneumol (Paris) 34:385-402, Apr-May 70 (Fre)
[Studies of the third ventricle using an echoencephalogram and a pneumencephalogram] Schüttler R, et al.
Arch Psychiatr Nervenkr 213:370-6, 1970 (Ger)
[Selective ventriculography in stereotaxic surgery] Kim YK, et al.
Dtsch Med Wochenschr 95:2211-4, 30 Oct 70 (Ger)
[Pneumotomography of posterior cranial fossa] Betz H.
Fortschr Geb Roentgenstr Nuklearmed 109:319-24, Sep 68 (Ger)
[Carotid artery angiogram of lobar holoprosencephaly] Grunert V, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:297-302, Sep 70 (Ger)
[Value of neuroradiologic instrumental examination procedure] Müller K, et al.
Kinderaerztl Prax 38:487-98, Nov 70 (Ger)
[Relation between asymmetry of the basal EEG activity and pneumoencephalographic findings in children] Atanassov K, et al.
Psychiatr Neurol Med Psychol (Leipz) 23:87-93, Feb 71 (Ger)
[Pons tumors in childhood. Pneumoencephalographic and tomographic diagnosis and follow-up after radiotherapy] Neumärker KJ, et al.
Radiobiol Radiother (Berl) 11:581-9, 1970 (Ger)
[Tomography of sella region in the controlled encephalography in erect position] Kell HJ, et al.
Radiologe 10:461-3, Dec 70 (Ger)
[Discrepancy between angiographic and pneumoencephalographic findings in space-narrowing suprasellar processes] Nadjmi M, et al. Radiologe 10:466-70, Dec 70 (Ger)
[Preservation of intrasellar cisternes in negative and positive cisternogramms] Piepgras U, et al.
Radiologe 10:463-6, Dec 70 (Ger)
[Diagnostic relevancy of brain atrophy processes. Pneumoencephalographic findings in comparison to brain blood supply and brain metabolism] Oesterreich K, et al.
Schweiz Arch Neurol Neurochir Psychiatr 107:171-8, 1970 (Ger)
[Early experiences of isotope cisternography and ventriculography in neurosurgical patients] Frigeni G, et al. Minerva Neurochir 14:215-24, Apr-Sep 70 (Ita)
[Pneumoencephalography in young persons with recent cranial injuries] Traversin E.
Quad Radiol 35:45-57, Jan-Feb 70 (Ita)
[Retrograde ventriculography] Briani S, et al.
Radiol Med (Torino) 56:402-7, May 70 (Ita)
[Ventriculographic aspects of tumors of the posterior cranial fossa] Ziviello M.
Rass Int Clin Ter 50:1435-42, 30 Nov 70 (Ita)
[Positive pressure pneumoventriculography for stereotaxic surgery] Kuramoto S, et al.
Brain Nerve (Tokyo) 22:1017-24, Sep 70 (Jap)
[Ventriculography by puncture using the Torkildsen's tube] Takahashi M, et al.
Rinsho Hoshasen 16:581-7, Jul 71 (Jap)
[Unilateral enlargement of the cerebral ventricle determined by statistical measurement] Takesako K, et al. Rinsho Hoshasen 16:75-8, Jan 71 (Jap)
[Technic of cerebral contrast studies in stereoelectroencephalography] Mempel E.
Neurol Neurochir Pol 5:69-74, 1971 (Pol)
[An attempt at establishing mean measurements of the ventricular brain system in children] Niezabitowski K, et al. Psychiatr Pol 4:461-8, Jul-Aug 70 (Pol)
[Combination of a tranquilizer (Dienpax) with a neuroleptic (Droperidol) in neuroradiology] Sobczak OM. Hospital (Rio de J) 76:857-61, Sep 69 (Por)
[Diagnostic value of pneumoencephalography in the late period of closed cranio-brain trauma] Tishchenko AT. Voen Med Zh 9:31-3, Sep 70 (Rus)
[Pneumoencephalography and transillumination of the skull in the diagnosis of cerebrospinal fluid disorders in infants in the 1st months of life] Iampol'skaia EI.
Vopr Okhr Materin Det 16:26-32, Jan 71 (Rus)
[The results of experimental psychological and pneumoencephalographic studies of patients with periodic schizophrenia] Kaliagin VN, et al.
Zh Nevropatol Psikhiatr 70:1842-5, 1970 (Rus)
[Correlation between the electroencephalographic and pneumoencephalographic findings in epilepsy] Nikolić M, et al. Srp Arh Celok Lek 98:1-9, Jan 70 (Ser)
[Ventriculography with water-soluble contrast medium. Report of 2 cases of hydrocephalus] De Vera Reyes JA. Rev Clin Esp 117:85-6, Apr 70 (Spa)
[Gastrophotography: its value and limitation compared with ventriculography] Edmar D.
Nord Med 84:1313, 8 Oct 70 (Swe)
[Pneumoencephalographic findings in intellectual reduction] Lying-Tunell U, et al.
Nord Med 85:674, 27 May 71 (Swe)
[Positive contrast (Conray 60) serial ventriculography in the normal and hydrocephalic infant] Raimondi AJ, et al. Ann Radiol (Paris) 12:377-92, 1969 (Mul)

ADVERSE EFFECTS

Bilateral homonymous hemianopsia following ventriculography. Rasmussen KE.
Acta Ophthalmol (Kbh) 48:1174-84, 1970
Hypokalaemia after pneumoencephalography. Podda M, et al. Br Med J 1:587-8, 13 Mar 71
Problems incident to pneumographic and other nonangiographic radiologic contrast studies of the brain. Bergeron RT, et al.
Bull Los Angeles Neurol Soc 36:1-10, Jan 71
[Risk involved by insufflating atmospheric air into the ventricular system of the brain during dinitrogen oxide anaesthesia] Jessen K.
Nord Med 84:1592-3, 10 Dec 70 (Dan)
[A rare cause of pneumomediastinum in children] Benacerraf R, et al.
J Radiol Electrol Med Nucl 51:706-7, Nov 70 (Fre)
[Epidural air filling. A complication of pneumoencephalography in infancy and childhood] Bruns HA, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:312-5, Sep 70 (Ger)
[On a case of Parinaud's syndrome after pneumoencephalography] Cappelli L, et al.
Boll Ocul 48:118-34, Feb 69 (Ita)
[Rupture of an intracranial aneurysm with cerebral hematoma after fractionated encephalography] Romano A, et al.
Minerva Neurochir 14:145-8, Apr-Sep 70 (Ita)

INSTRUMENTATION

Mimer 3 and rotating chair. Fredzell G, et al.
Acta Radiol [Diagn] (Stockh) 7:543-52, Nov 68
A simple automatic gas dispenser for encephalography

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and myelography. McCallum AH.
Br J Radiol 44:396-8, May 71
A moification of the amplatzpneumographic chair for better head stabilization. Geilfuss CJ, et al.
Radiology 97:685-6, Dec 70
[An apparatus for pneumoencephalography] Pukin AM. Vopr Neirokhir 35:58-9, Mar-Apr 71 (Rus)

PHYSIOPATHOLOGY

Electrophysiology undelying ventricular arrhythmias due to coronary ligation. Scherlag BJ, et al.
Am J Physiol 219:1665-71, Dec 70

STANDARDS

[Improvement of gas encephalography] Decker K. Fortschr Geb Roentgenstr Nuklearmed 11:48-55, Jan 70 (Ger)

VETERINARY

Air ventriculography in the dog brain, utilizing tomography. Yaghmai M, et al.
Am J Vet Res 32:319-26, Feb 71

VENULES see under VEINS (A7)

VERATRUM (B6, D2, D5)

ANALYSIS

[Antimicrobial activity of Veratrum alkaloids] Wolters B. Planta Med 19:189-96, Nov 70 (Ger)

PHARMACODYNAMICS

Some cardiovascular effects of germine-3-monoacetate. Scariabine A, et al.
Eur J Immunol 14:313-8, May 71
Some effects of germine-3-monoacetate (GMA) on isolated rat and guinea-pig ileum. Goldman WJ, et al.
J Pharmacol Exp Ther 177:181-7, Apr 71
The effect of germine diacetate on neuro-muscular transmission. Jones SF, et al.
Proc Aust Assoc Neurol 7:61-5, 1970

THERAPEUTIC USE

Modification of the generalized Shwartzman reaction by therapeutic agents. Nasu K, et al.
Am J Obstet Gynecol 109:991-6, 1 Apr 71
[Therapeutic use of loverat in hypertensive disease] Stepanova NI, et al. Sov Med 33:27-30, Oct 70 (Rus)

TOXICITY

Teratogenic compounds of Veratrum californicum (Durand). XI. Gestational chronology and compound specificity in rabbits. Keeler RF.
Proc Soc Exp Biol Med 136:1174-9, Apr 71

VERBAL BEHAVIOR (F1)

see also related
LANGUAGE DISORDERS (F2)
SPEECH DISORDERS (C10, F2)

Verbal communication length as an index of interpersonal attraction. Höweler M, et al.
Acta Psychol (Amst) 34:511-5, Dec 70
Use of opposition concept and outerdirectedness in intellectually-average, familial retarded, and organically retarded children. Balla D, et al.
Am J Ment Defic 75:663-80, May 71
Performance of mentally handicapped and average-IQ children on two modified cloze tasks for oral language. Goodstein HA. Am J Ment Defic 75:290-7, Nov 70
Language behavior of the mentally retarded: syntactic characteristics. Graham JT, et al.
Am J Ment Defic 75:623-9, Mar 71
Study of verbal behavior in special and regular elementary school classrooms. Stuck GB, et al.
Am J Ment Defic 75:463-9, Jan 71
Luria's verbal deficiency theory of mental retardation and performance on sameness, symmetry, and opposition tasks: a critique. Zigler E, et al.
Am J Ment Defic 75:400-13, Jan 71
Verbal ascendancy in process and reactive schizophrenics. Odhner F.
Am J Occup Ther 25:7-9, Jan 71
Covert oral behavior as a function of quality of handwriting. McGuigan FJ.
Am J Psychol 83:377-88, Sep 70
What patients say and what they mean. Mosak HH, et al.
Am J Psychother 25:428-36, Jul 71
The Negro in psychiatry. An historical note on psychiatric rhetoric. Szasz TS.
Am J Psychother 25:469-71, Jul 71
Recent developments in sociolinguistics: some implications for ASHA. Taylor OL.
ASHA 13:341-5, Jun 71
Deceleration of inappropriate vocal behavior in a hard-of-hearing child. Galloway K, et al.
ASHA Monogr 14:67-9, Jan 70
The reinforcing properties of a television presented listener. Yoder DE. ASHA Monogr 14:10-8, Jan 70
Dimensions of affective expression in four expressive modes. Sweeney DR, et al. Behav Sci 15:393-407, Sep 70
A phonetic study of babbling. Cruttenden A.
Br J Disord Commun 5:110-7, Oct 70
The effect of speed on comprehension in schizophrenia. Marchbanks G, et al.
Br J Soc Clin Psychol 10:55-60, Feb 71
Verbal mediators in cross-modal form discrimination. Koen F. Can J Psychol 25:103-10, Apr 71
Verbal factors in compensation performance and the relation between conservation and compensation. Larsen GY, et al. Child Dev 41:965-77, Dec 70
Delayed reinforcement and vocalization rates of infants. Ramey CT, et al. Child Dev 42:291-7, Mar 71
Fathers' verbal interaction with infants in the first three months of life. Rebelsky F, et al.
Child Dev 42:63-8, Mar 71
Manifest anxiety and perception of micromomentary expression. Garwood R, et al.
Compr Psychiatry 11:576-80, Nov 70
Neologistic jargon: a clinicopathological study. Kertesz A, et al. Cortex 6:362-86, Dec 70
Selective impairment of phonetic and non-phonetic transcription of words in Japanese aphasic patients: kana vs. kanji in visual recognition and writing. Sasanuma S, et al. Cortex 7:1-18, Mar 71
Ipsilateral versus contralateral extinction in dichotic listening resulting from hemisphere lesions. Sparks R, et al. Cortex 6:249-60, Sep 70
Relations between motorics of speech and general motor ability in clutterers. Seeman M.
Folia Phoniatr (Basel) 22:376-80, 1970
Some relationships between class inclusion, perceptual capabilities, verbal capabilities and race. Carlson JS.
Hum Dev 14:30-8, 1971
On the analyst's silence in psychoanalysis: a synthesis of intrapsychic content and interpersonal manifestations. Brockbank R.
Int J Psychoanal 51:457-64, 1970
Verbal-nonverbal conflict in parental messages to normal and disturbed children. Bugental DE, et al.
J Abnorm Psychol 77:6-10, Feb 71
Modification of drug language usage of primary and neurotic psychopaths. Doctor RM, et al.
J Abnorm Psychol 77:174-80, Apr 71
Validity of verbal report as a prognosticator of physiological arousal to threat. Edelman RI.
J Abnorm Psychol 76:492-5, Dec 70
Subliminally stimulated brain and verbal responses of twins differing in repressiveness. Fritzler DE, et al.
J Abnorm Psychol 76:39-46, Aug 70
Disinhibition of communicated thought: generality and role of cognitive style. Holzman PS, et al.
J Abnorm Psychol 77:263-74, Jun 71
Communication of intents among parents and their disturbed adolescent child. McPherson S.
J Abnorm Psychol 76:98-105, Aug 70
Training impulsive children to talk to themselves: a means of developing self-control. Meichenbaum DH, et al. J Abnorm Psychol 77:115-26, Apr 71
Establishment of social reinforcement as an effective modifier of verbal behavior in chronic psychiatric patients. Miller PM, et al.
J Abnorm Psychol 76:392-5, Dec 70
Role of verbal intelligence in the field approach of selected groups of psychotics. Powell BJ.
J Abnorm Psychol 76:47-9, Aug 70
Use of behavioral therapy in the reinstatement of verbal behavior in a mute psychotic with chronic brain syndrome: a case study. Sabatasso AP, et al.
J Abnorm Psychol 76:322-4, Oct 70
The immediacy hypothesis and response-produced stimuli in schizophrenic speech. Salzinger K, et al.
J Abnorm Psychol 76:258-64, Oct 70
Behavior deviations in mentally retarded children. Chess S, et al.
J Am Acad Child Psychiatry 9:282-97, Apr 70
Variations in speech sounds during psychotherapy: an independent indicator of change. Kernberg PF, et al.
J Am Acad Child Psychiatry 9:762-7, Oct 70
The function of ambiguity in child crises. Stein M.
J Am Acad Child Psychiatry 9:462-76, Jul 70
Length of therapist response, accurate empathy and patient improvement. Traux CB.
J Clin Psychol 26:539-41, Oct 70
Therapist's evaluative statements and patient outcome in psychotherapy. Truax CB.
J Clin Psychol 26:536-8, Oct 70
The facilitation of White-Black communication. Daniel JL. J Commun 20:134-41, Jun 70
Individual differences and the meanings of vocal emotional expressions. Reardon RC.
J Commun 21:72-82, Mar 71
Repressor-sensitizer personality styles and associated levels of verbal ability, social intelligence, sex knowledge, and quantitative ability. Clark LF, et al.
J Consult Clin Psychol 36:183-8, Apr 71
Patterns of communication in normal and clinic families. Leighton LA, et al.
J Consult Clin Psychol 36:252-6, Apr 71
Categories of therapist verbalizations and patient-therapist autonomic response. McCarron LT, et al. J Consult Clin Psychol 37:123-34, Aug 71
Anxiety and speech in the initial interview. Pope B, et al. J Consult Clin Psychol 35:233-8, Oct 70
Emotional concomitants of visual mastery in infants: the effects of stimulus movement on smiling and vocalizing. Shultz TR, et al.
J Exp Child Psychol 10:390-402, Dec 70
Metered memory search and concurrent chanting. Weber RJ, et al. J Exp Psychol 89:162-70, Jul 71
Stimulus property mediation of paired-associates learning. Reich JW, et al.
J Gen Psychol 83:213-25, Oct 70
Some relationships between verbal and perceptual capabilities and the development of relative thinking. Carlson JS. J Genet Psychol 118:115-9, Mar 71
Word fluency--intellect or personality? Martin WA.
J Genet Psychol 118:17-24, Mar 71
The electromyographic study of verval hallucination. Inouye T, et al. J Nerv Ment Dis 151:415-22, Dec 70
Operational words in aphasiacs. Kreindler A, et al.
J Neurol Sci 11:275-84, Sep 70
Effects of auditory masking on vocal intensity and intraoral air pressure during sentence production. Brown WS Jr, et al. J Opt Soc Am 49:1903-5, Jun 71
Regulation of vocal intensity during vocal fry phonation. Murryt, et al.
J Opt Soc Am 49:1905-7, Jun 71
Personality and discrepancies between verbal reports and physiological measures of private emotional experiences. Thayer RE. J Pers 39:57-69, Mar 71
Repression-sensitization response mode and verbal avoidance. Axtell B, et al.
J Pers Soc Psychol 18:133-7, May 71
Perception of contradictory meanings conveyed by verbal and nonverbal channels. Bugental DE, et al.
J Pers Soc Psychol 16:647-55, Dec 70
Verbal conditioning and change on personality measures. Harmatz MG.
J Pers Soc Psychol 5:175-85, Feb 67
Ego strength, social impression value of stimuli, and self-reference language. Gaines LS, et al.
J Proj Tech Pers Assess 34:428-31, Oct 70
A note on achievement motivation and verbal fluency. Smith JM. J Proj Tech Pers Assess 34:121-4, Apr 70
Talking and body complaints in group therapy patients. Hull D. J Psychosom Res 15:169-77, Jun 71
Attention and verbalization: differential responsivity of cardiovascular and electrodermal systems. Kaplan BE, et al. J Psychosom Res 15:323-8, Sep 71
Nonimmediacy in verbal communication as an indicator of attitudes toward the disabled. Feinberg LB.
J Soc Psychol 84:135-40, Jun 71
A factorial study of judgments of vocally expressed emotion and meaning. Reid DW, et al.
J Soc Psychol 84:161-2, Jun 71
Attitude measurement by free verbal associations. Szalay LB, et al. J Soc Psychol 82:43-55, Oct 70
A case supporting Martin's hypothesis. Jones MC.
J Speech Hear Disord 36:291-2, May 71
Differences in disfluency behavior between male and female nonstuttering children. Kools JA, et al.
J Speech Hear Res 14:125-30, Mar 71
Language, liability and physiology. Dalley AD.
Med Sci Law 9:266-9, Oct 69
Increasing descriptive language skills in EMR students. Henderson LJ. Ment Retard 9:13-6, Jun 71
A program to increase vocabulary and spontaneous verbal behavior. Paine HA, et al.
Ment Retard 6:38-44, Apr 70
Vocal mediating responses in short-term memory of severely and profoundly deaf children. Chovan WL.
Percept Mot Skills 31:539-44, Oct 70
Effect of intertrial interval and verbal reinforcement on choice of front or back tongue position. Dixon PW, et al. Percept Mot Skills 32:59-62, Feb 71
Language predictability and psychiatric interviews. Harford T, et al. Percept Mot Skills 31:725-6, Dec 70
The use of taboo words by psychiatric ward personnel. Gallahorn GE. Psychiatry 34:309-21, Aug 71
Nonverbal, extraverbal, and autistic verbal communication in the treatment of a child tiqueur. Elkisch P. Psychoanal Study Child 23:423-37, 1968
Talk, silence, and anxiety. Murray DC.
Psychol Bull 75:244-60, Apr 71
Internal-external locus of control and verbal fluency. Brecher M, et al. Psychol Rep 25:707-10, Dec 69
MMPI and EPPS profiles of high and low verbal interactors in therapy groups. Gronz HJ, et al.
Psychol Rep 28:951-5, Jun 71
An unobtrusive measure of prejudice toward Negroes under differing durations of speech. Jaffee CL, et al.
Psychol Rep 27:823-8, Dec 70
Verbal and non-verbal measures of self-concept among kindergarten boys and girls. Ozehosky RJ, et al.
Psychol Rep 28:195-9, Feb 71
Manipulation of contrast between differential GSRs in very young children. Lieblich I.
Psychophysiology 7:436-41, Nov 70
Average evoked response and verbal correlates of unconscious mental processes. Shevrin H, et al.
Psychophysiology 8:149-62, Mar 71
Activation states as assessed by verbal report and four

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

psychophysiological variables. Thayer RE.
Psychophysiology 7:86-94, Jul 70
Response retrieval in active and passive sentences. Wilkes AL, et al. Q J Exp Psychol 22:1-8, Feb 70
Differences in verbally expressed cognition following left and right ventrolateral thalamotomy. Almgren PE, et al. Scand J Psychol 10:243-9, 1969
Communication and neurosis: semantic components in neurotic verbal communications. Veron E, et al. Soc Sci Med 4:75-96, Jul 70
Nonsense speech--amphigory. Fisher CM.
Trans Am Neurol Assoc 95:238-40, 1970
[The activation of phonatory organs and intellectual performance] Kali M.
Annee Psychol 69:93-110, 1969 (Fre)
[Verbal conditioning and cognitive problems (1954-1969). I] Lemaine JM.
Annee Psychol 71:209-34, 1971 (210 ref.) (Fre)
[Voice in psychosomatic development in children] Herren H.
J Fr Otorhinolaryngol 20:429-35, Feb 71 (Fre)
[Note on analytical receptivity] Meltzer D.
Rev Fr Psychanal 34:137-40, Jan 70 (Fre)
[Remarks on speaking and writing] Knoche B.
Med Klin 65:1185, 12 Jun 70 (Ger)
[Egocentric language and intermediate area of experience] Lai G.
Arch Psicol Neurol Psichiatr 30:309-25, May-Jun 69 (Ita)
[Measurement of the recognition time for verbal stimuli using the reverse masking method] Kostandov EA, et al.
Zh Vyssh Nerv Deiat 20:1010-5, Sep-Oct 70 (Rus)
[The frequency spectrum of speech as an indicator of the degree and character of emotional tension in man] Popov VA, et al.
Zh Vyssh Nerv Deiat 21:104-9, Jan-Feb 71 (Rus)
[Transitional syndrome associated with paraphasia] Bellido I. Rev Clin Esp 118:473-6, 15 Sep 70 (Spa)

DRUG EFFECTS

Dysnomia and impairment of verbal memory following intracarotid injection of sodium amytal. Fedio P, et al.
Brain Res 31:159-68, 7 Aug 71

VERBAL LEARNING (F1)

see also related
LANGUAGE DISORDERS (F2)

Verbal operant conditioning with young institutionalized Down's syndrome children. MacCubrey J. Am J Ment Defic 75:696-701, May 71
Comprehension and imitation of sentences by Down's syndrome children as a function of transformational complexity. Semmel MI, et al.
Am J Ment Defic 75:739-45, May 71
Effects of manifest anxiety on the acquisition and generalization of concepts from Hullian theory. Katahn M, et al. Am J Psychol 81:574-80, Dec 68
Effects of unfamiliarity on the overt verbalisation and perceptual motor behaviour of nursery school children. Brown RI, et al.
Br J Educ Psychol 40:291-8, Nov 70
The effects of low level DC scalp positive and negative current on the performance of various tasks. Hall KM, et al. Br J Psychiatry 117:689-91, Dec 70
Differential effects of irrelevant dimensions in three shape recognition tasks. Cohen G.
Br J Psychol 62:151-6, May 71
The effect of vocalizing on comprehension in the profoundly deaf. Conrad R.
Br J Psychol 62:147-50, May 71
Orientating responses of mentally retarded and normal subjects to word-signals. Das JP, et al.
Br J Psychol 62:89-96, Feb 71
Improvement and disturbance of short-term verbal memory with human ventrolateral thalamic stimulation. Ojemann GA, et al. Brain 94:225-40, 1971
The effects of method of recall on performance in the dichotic listening task. Clark L, et al.
Can J Psychol 24:194-8, Jun 70
Functions of visual imagery in the learning and concept formation of children. Hollenberg CK.
Child Dev 41:1003-15, Dec 70
Labeling and imaging as aids to memory. Robinson JP, et al. Child Dev 42:841-4, Jun 71
Two studies of verbal learning by adult aphasics. Tikofsky RS. Cortex 7:106-25, Mar 71
Affective evaluation in the verbal learning styles of normals and abnormals. Rychlak JF, et al.
J Abnorm Psychol 77:247-57, Jun 71
Verbal conditioning as related to awareness, paranoia, and suspiciousness. Hersen M, et al.
J Clin Psychol 27:43-7, Jan 71
Effects of secondary cues on rote verbal learning of retardates and normal children. Baumeister AA, et al.
J Comp Physiol Psychol 69:273-80, Oct 69
Retroactive inhibition in meaningful verbal learning. Wong MR. J Educ Psychol 61:410-5, Oct 70
Developmental trends in the intentional and incidental learning components of a verbal discrimination task. Deichmann JW, et al.
J Exp Child Psychol 11:21-34, Feb 71
Motivation, reaction time, and the contents of active verbal memory. Doll TJ. J Exp Psychol 87:29-36, Jan 71
Deaf children's phonetic, visual, and dactylic coding in a grapheme recall task. Locke JL, et al.
J Exp Psychol 89:142-6, Jul 71
Interfering images at sentence retrieval. Sasson RY.
J Exp Psychol 89:56-62, Jul 71
Re-pairing "rights" and "wrongs" in verbal discrimination learning. Wallace WP, et al.
J Exp Psychol 87:355-60, Mar 71
Impression value, instructional set, and methods of stimulus presentation as factors influencing control subjects in verbal conditioning. Smith RC, et al.
J Gen Psychol 82:263-4, Apr 70
The role of verbal mediation in mental development. Jensen AR. J Genet Psychol 118:39-70, Mar 71
Patterns of declining memory. Gilbert JG, et al.
J Gerontol 26:70-5, Jan 71
Effect of stress, knowledge of results, and proactive inhibition on verbal recognition memory (d') and response criterion (Lx). Clark WC, et al.
J Pers Soc Psychol 17:42-7, Jan 71
The dimensionality of awareness in verbal conditioning. Miller AW Jr. J Psychol 70:99-111, Sep 68
Amnesic syndrome: consolidation or retrieval? Warrington EK, et al.
Nature (Lond) 228:628-30, 14 Nov 70
Analytic-perceptual style and verbal conditioning. Becker J, et al. Percept Mot Skills 32:631-6, Apr 71
Analysis of performances by normals and retardates on Piagetian reasoning assessments as a function of verbal ability. Stephens B, et al.
Percept Mot Skills 32:868-70, Jun 71
A parallel between single-letter and multiple-letter recall of tachistoscopic letter displays. White MJ.
Percept Mot Skills 32:402, Apr 71
A closed-loop theory of paired-associate verbal learning. Adams JA, et al.
Psychol Rev 77:385-405, Sep 70
The effect of GSR confirmed perception of bisensory input on immediate verbal memory. Snider IJ, et al.
Psychophysiology 7:169-77, Sep 70
Reproduction and recognition in short-term visual memory. Cohen RL, et al.
Q J Exp Psychol 22:450-7, Aug 70
Evidence for alternative strategies of sentence retention. Wright P, et al.
Q J Exp Psychol 23:197-213, May 71
Verbal information retention in alcoholics. Weingartner H, et al.
Q J Stud Alcohol 32:293-303, Jun 71
[Learning of pairs of words with regards to individual associative hierarchies] Champagnol R.
Annee Psychol 71:109-16, 1971 (Fre)
[Mental level and verbal learning. II. Learning of associated pairs] Denhière G.
Annee Psychol 71:235-70, 1971 (98 ref.) (Fre)
[Role of structuration in verbal retention] Ehrlich S, et al. Annee Psychol 70:95-108, 1970 (Fre)
[Does verbalization of the content of drawings facilitate memorization by children?] Fraisse P.
Annee Psychol 70:109-22, 1970 (Fre)
[Speed of verbal coding and sensorial modality of message reception] Oléron G, et al.
Annee Psychol 71:87-98, 1971 (Fre)
[Retention of word-pairs as a function of various linguistic variables] Segui J.
Annee Psychol 70:123-30, 1970 (Fre)
[The access to early unconscious personality components] Zimmermann I.
Psyche (Stuttg) 25:100-23, Feb 71 (Ger)
[Effects of mnemonic aids on learning and retention of nouns] Mikula G. Psychol Forsch 34:312-24, 1971 (Ger)
[Psychological aspects of negation, separation and implication] Legrenzi P.
Arch Psicol Neurol Psichiatr 31:262-84 conci, May-Jun 70 (Ita)

DRUG EFFECTS

Levodopa's awakening effect on patients with Parkinsonism. Marsh GG, et al.
J Neurol Neurosurg Psychiatry 34:209-18, Jun 71
Improvement of learning in the aged by modification of autonomic nervous system activity. Elsdorfer C, et al.
Science 170:1327-9, 18 Dec 70

VERMIFUGES see ANTHELMINTICS (D3)

VERNIX CASEOSA (A12)

MICROBIOLOGY

[Degradation of Vernix caseosa by Microsporum gypseum (Bodin) Guiart et Grigorakin in vitro] Böhme H, et al.
Dermatol Monatsschr 155:171-7, 1969 (Ger)

VERRUGA PERUANA see under BARTONELLA

INFECTIONS (C1)

VERSENATE see EDTA (D13)

VERSION see under DELIVERY (E4)

VERTEBRAL ARTERY (A7)

Vertebral artery insufficiency and rotational obstruction. Andersson R, et al.
Acta Med Scand 188:475-7, Dec 70
Mycotic aneurysm of the left subclavian and vertebral arteries. A complication of cervicothoracic sympathectomy. Flye MW, et al.
Am J Surg 122:427-9, Sep 71
Surgical considerations in the treatment of vertebrobasilar arterial insufficiency. Rainer WG, et al. Am J Surg 120:594-7, Nov 70
Bilateral arteriovenous fistulae. A complication of vertebral angiography by direct percutaneous puncture. Two cases, one with spontaneous closure. Bergquist E. Br J Radiol 44:519-23, Jul 71
Mechanisms of transient cerebral ischaemia. Russell RW, et al. Br Med J 1:646-7, 20 Mar 71
Chronic hypertension elicited by infusion of angiotensin into vertebral arteries of unanaesthetized dogs. Fukiyama K, et al. Clin Sci 40:283-91, Mar 71
Surgical aspects of carotid-vertebral insufficiency. Gillespie JA.
Postgrad Med J 47:232-96, May 71 (49 ref.)
[Electronystagmographic study of vertebrobasilar insufficiency] Boech J.
Acta Otorhinolaryngol Belg 24:418-25, 1970 (Fre)
[Meniere's vertigo and vertebro-basilar abnormalities] Greiner GF, et al.
Ann Otolaryngol Chir Cervicofac 88:43-50, Jan-Feb 71 (Fre)
[Diplopia and vertebro-basilar insufficiency of surgical incidence (statistical study based on 113 operated cases] Philippot M, et al.
Bull Mem Soc Fr Ophtalmol 83:501-18, 1970 (Fre)
[Ocular paralysis, complication of arterial catheterization] Thomas C, et al.
Bull Soc Ophtalmol Fr 69:700-1, Jul-Aug 69 (Fre)
[Amyotrophic lateral pseudosclerosis syndrome caused by ischemia of the vertebral artery] Schott B, et al. J Med Lyon 50:581-90, 5 Apr 69 (Fre)
[Natural history of aneurysm of the left cerebellopontile angle] Trillet M, et al.
J Med Lyon 51:877-82, 5 Apr 70 (Fre)
[Angiography by direct puncture of the axillary artery: survey of its indications and limits in 125 cases] Legré J, et al.
J Radiol Electrol Med Nucl 50:224-9, Mar-Apr 69 (Fre)
[Vertebro-vasilar insufficiency and injury] Boudouresques J, et al. Mars Med 106:235-9, 1971 (Fre)
[Surgical treatment of the vertebral artery insufficiency syndrome due to spondylotic compression] Fasano VA, et al.
Neurochirurgie 17:107-18, Mar-Apr 71 (Fre)
[Vertebro-basilar insufficiencies] Crousaz G de.
Rev Med Suisse Romande 90:893-700, Sep 70 (Fre)
[Meniere's vertigo and vertebro-basilar vascular involvement. 5 cases] Greiner GF, et al.
Rev Otoneuroophtalmol 42:319-26, Sep-Oct 70 (Fre)
[Von Recklinghausen's neurofibromatosis, malformation of the cervico-occipital joint, and vertebro-basilar insufficiency] Rouzaud M, et al.
Rev Otoneuroophtalmol 42:201-15, May-Jun 70 (Fre)
[Arteritis gigantocellularis of the vertebral artery and polymyalgia theumatica sive arteritica. Case report] Kartin P. Nervenarzt 42:214-6, Apr 71 (Ger)
[Extracranial vertebral artery aneurysm] Arnold H, et al. Zentralbl Chir 95:386-8, 21 Mar 70 (Ger)
[Relations beween cervical arthrosis and vertebro-basilar circulation. Clinical and angiographic study] Carella A, et al.
Acta Neurol (Napoli) 24:455-74, May-Jun 69 (Ita)
[Vertebro-basilar insufficiency and the vestibular apparatus] Dufour A, et al.
Arch Ital Otol 81:67-74, Mar-Apr 70 (Ita)
[Large aneurysm of the vertebro-basilar system; report of a case and diagnostic review of the cases in literature] Matsumoto M, et al.
Brain Nerve (Tokyo) 23:457-69, May 71 (23 ref.) (Jap)
[Postoperative thrombosis of the vertebral artery--report of a case successfully treated with combination of a thrombolytic agent, low molecular dextran and an anticoagulant] Nagashima C.
Brain Nerve (Tokyo) 22:1419-27, Dec 70 (Jap)
[Localizing aspects in infarction of the vertebro-basilar region] Voiculescu V, et al.
Stud Cercet Neurol 15:399-403, 1970 (Rum)
[The catamnesis of patients having suffered transitory circulatory disorders of the vertebro-basilar basin] Sarin MI, et al.
Zh Nevropatol Psikhiatr 70:808-11, 1970 (Rus)

ABNORMALITIES

Congenital cervical arteriovenous malformations. Lawson TL, et al. Radiology 97:565-70, Dec 70
[Extratransversal course of the vertebral artery, a little known anomaly capable of interfering with various tests of cervical compression] Wackenheim A, et al. Presse Med 77:1213-4, 26 Jul 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Unusual malformation of the cervico-occipital joint] Géraud J, et al.
Rev Otoneuroophtalmol 40:455-9, Dec 68 (Fre)
[Rare complex abnormality in the vertebral circulation] Szdzuy D, et al.
Radiol Diagn (Berl) 11:779-82, 1970 (Ger)
[Bilateral hypoplasia of the vertebral artery in a patient with craniocervical malformation] Carella A, et al.
Acta Neurol (Napoli) 24:524-9, Jul-Aug 69 (Ita)
[Takayasu's syndrome in a patient with malformation of the supra-aortic trunk] Scuitetus R, et al.
Osp Ital Chir 20:242-7, Mar 69 (Ita)
[Persistence in the adult of the primitive cervical segmental artery] Mancia D, et al.
Riv Sper Freniatr 94:388-91, 30 Apr 70 (Ita)

ANATOMY & HISTOLOGY

[The rectified circumference of the principal arteries of the base of the brain: statistical studies of 100 human cases] Orlandini GE.
Arch Ital Anat Embriol 75:49-79, 1970 (Ita)
[Angiographic study of the vertebro-basilar venous system. X. Confluents in the internal cerebral vein] Rosa M, et al. Sist Nerv 21:343-7, Nov-Dec 69 (Ita)

INJURIES

Massive subarachnoid hemorrhage due to laceration of the vertebral artery associated with fracture of the transverse process of the atlas. Contostavios DL.
J Forensic Sci 16:40-56, Jan 71
Postrterriographic arteriovenous fistula of the cervical vertebral artery. McDowell HA Jr.
South Med J 64:119-20, Jan 71
[Arteriovenous fistulas caused by direct puncture of the vertebral artery] Vencken LM.
Neurochirurgie 16:539-42, Nov 70 (Fre)
[Parinaud's syndrome, a symptom of post-traumatic vertebral stenosis] Picard L, et al.
Rev Otoneuroophtalmol 41:426-32, Dec 69 (Fre)

INNERVATION

Noradrenergic mediation of experimental cerebrovascular spasm. Fraser RA, et al.
Trans Am Neurol Assoc 95:21-6, 1970

PATHOLOGY

Relations between the cervical spine and the vertebral arteries. Constantin P, et al.
Acta Radiol [Diagn] (Stockh) 11:91-6, Jan 71
Localization and sequence of development of atherosclerotic lesions in the carotid and vertebral arteries. Solberg LA, et al.
Circulation 43:711-24, May 71

PHYSIOLOGY

The development of cerebral collateral circulation following occlusion of vessels in the neck. An experimental study in baboons. Symon L, et al.
J Neurol Sci 13:197-208, Jun 71

PHYSIOPATHOLOGY

Effects of temporary occlusion of a vertebral artery on the human vestibular system. Nagashima C, et al.
J Neurosurg 33:388-94, Oct 70

RADIOGRAPHY

The vertebro-basilar system and its vascular lesions. Sutton D. Clin Radiol 22:271-87, Jul 71
Vertebral arterio-venous fistula. Sutton D, et al.
Clin Radiol 22:289-95, Jul 71
The acute effects of experimental head injury on the vertebrobasilar circulation: angiographic observations. McCullough D, et al.
J Trauma 11:422-8, May 71
Determination of the position of the fourth ventricle on arteriograms of the vertebral arterial system. Bryc S.
Pol Med J 9:1484-8, 1970
Vertebral angiography in the presence of an extradural hematoma of the posterior fossa. Perimutter I, et al.
South Med J 64:245-6, Feb 71
[Simultaneous retrograde bihumeral angiography in cervico-cephalic vascular exploration] Doyon D, et al.
J Radiol Electrol Med Nucl 51:521-2, Aug-Sep 70 (Fre)
[Opacification of the perispinal network of the cervical region with retrograde humeral arteriography (contribution of subtraction in bidirectionnal seriography)] Labauge R, et al.
J Radiol Electrol Med Nucl 51:592-8, Oct 70 (Fre)
[Value of semi-axial projection in vertebral angiography] Wackenheim A, et al.
J Radiol Electrol Med Nucl 50:182-4, Mar-Apr 69 (Fre)
[Radiological dynamic study and arteriography of the vertebral artery in degenerative lesions of the cervical spine] Fernandez del Vallado P, et al.
Rhumatologie 22:159-68, May 70 (Fre)
[The effect of changes in projection on the appearance of the vertebral angiogram] Gerlach J, et al.
Acta Neurochir (Wien) 23:79-86, 1970 (Ger)
[Two special cases of subclavian steal syndrome] Früter L.
Fortschr Geb Roentgenstr Nuklearmed 114:469-72, Apr 71 (Ger)
[Tomographic studies on the vertebral-basilar circulation] Gerhardt P, et al.
Roentgenpraxis 24:49-53, Mar 71 (Ger)
[Phlebogram of the vertebro-basilar system in the diagnosis of expansive processes of the posterior fossa] Viale GL, et al.
Minerva Neurochir 14:194-8, Apr-Sep 70 (Ita)
[Technic of selective angiography of vertebral arteries by access from the femoral artery] Czekala Z.
Pol Przegl Radiol 34:565-72, Jul-Aug 70 (Pol)
[The diagnostiv value of vertebral angiography in intracerebellar tumors] Polianskiĭ VA.
Vopr Neirokhir 34:39-42, Mar-Apr 70 (Rus)

SURGERY

[Carotid-vertebral anastomosis. An alternate technic for the repair of obstruction and insufficiency of the vertebral artery] Nagashima C, et al.
Brain Nerve (Tokyo) 22:1125-38, Oct 70 (Jap)

VERTEBRATE VIRUSES (B4)

Pichindé virus, a new virus of the Tacaribe group from Colombia. Trapido H, et al.
Am J Trop Med Hyg 20:631-41, Jul 71
The genetics of animal viruses. Fenner F.
Annu Rev Microbiol 24:297-334, 1970 (264 ref.)
[Action of frog virus 3 (FV3) on the synthesis of RNA by Sindbis virus] Guir J, et al.
C R Acad Sci [D] (Paris) 272:1177-80, 22 Feb 71 (Fre)
[The arenoviruses, a new group of viral agents of medical importance] Chastel C.
Med Trop (Mars) 30:801-8, Nov-Dec 70 (50 ref.) (Fre)
[Early phases of infections of cells with animal RNA viruses] Crainic R.
Stud Cercet Inframicrobiol 21:413-32, 1970 (69 ref.) (Rum)
[Realization of the genetic information of various vertebrate viruses] Gendon IuZ.
Usp Sovrem Biol 69:95-112, Jan-Feb 70 (59 ref.) (Rus)
[A hemagglutinating adeno-associated simian virus] Kravchenko AT, et al.
Vopr Virusol 15:301-8, May-Jun 70 (Rus)
[The Marburg virus (Rhabdovirus simiae)] Shevtsova ZV. Vopr Virusol 15:643-6, Nov-Dec 70 (27 ref.) (Rus)

ANALYSIS

Nucleic acids of animal viruses. Subak-Sharpe JH.
J Gen Microbiol 63:v-vi, Nov 70

CLASSIFICATION

Summary of classification of animal viruses, 1970. Melnick JL. Progr Med Virol 12:337-41, 1970
The size and morphology of T.G.E. and vomiting and wasting disease viruses of pigs. Phillip JI, et al.
Vet Rec 88:311-2, 20 Mar 71
[Classification of animal viruses according to functional viewpoints, especially of cytocide virus species] Weer E.
Verh Dtsch Ges Inn Med 75:552-6, 1969 (Ger)

DRUG EFFECTS

Antiviral activity of oxidized polyamines and aldehydes. Kremzner LT, et al.
Biochem Pharmacol 19:2541-50, Sep 70
In-vitro studies of rat viruses. II. Effects of heat,x-irradiation and carcinogenic drugs. Lum GS.
Oncology 24:416-30, 1970

ENZYMOLOGY

RNA dependent DNA polymerase in primate syncytium-forming (foamy) viruses. Parks WP, et al.
Nature (Lond) 229:258-60, 22 Jan 71
Is the bubble bursting?
Nature (Lond) 229:295-6, 29 Jan 71

GROWTH & DEVELOPMENT

Organ cultures of human fallopian tubes for the propagation of viruses. Casal J, et al.
Arch Gesamte Virusforsch 31:196-9, 1970
The adaptation of two human coronavirus strains (OC38 and OC43) to growth in cell monolayers. Bruckova M, et al. Proc Soc Exp Biol Med 135:431-5, Nov 70
Studies of replication of four selected viruses in two cell lines derived from salmonid fish. Nims L, et al.
Proc Soc Exp Biol Med 135:6-12, Oct 70
[Observations on virological work with swine thyroid cell-cultures] Liebermann H, et al.
Arch Exp Veterinaermed 24:559-69, 1970 (Ger)
[Ecological aspects of chronic viral infections] Kantorovich RA.
Vestn Akad Med Nauk SSSR 25:68-73, 1970 (41 ref.) (Rus)

IMMUNOLOGY

Immunoglobulin G levels and the titers of specific antiviral antibodies in amniotic fluid. Monif GR, et al.
Am J Obstet Gynecol 108:851-4, 15 Oct 70
Comparison of various methods for preparation of viral serological antigens from infected cell cultures. Schmidt NJ, et al. Appl Microbiol 21:217-26, Feb 71
Antibodies to viral antigens in systemic lupus erythematosus. Hollinger FB, et al.
Arthritis Rheum 14:1-11, Jan-Feb 71
A survey of antibodies to some respiratory viruses in the sera of pigs. Harkness JW, et al.
Vet Rec 88:441-7, 24 Apr 71
[Viral hepatosplenitis infectiosa of owls. 3. Immunofluorescence studies of the chick embryo] Bartscher H.
Zentralbl Veterinaermed [B] 17:765-77, Aug 70 (Ger)

ISOLATION & PURIFICATION

Viral disease of goslings. 3. Isolation, properties and antigenic pattern of the virus strains. Derzsy D, et al.
Acta Vet Acad Sci Hung 20:419-28, 1970
Bacterial and viral throat flora. Comparison of findings in children with acute upper respiratory tract disease and in healthy controls during winter. Hable KA, et al.
Clin Pediatr (Phila) 10:199-203, Apr 71
Virus isolations from Ixodid ticks in Uganda. I. Isolation and characterisation of ten strains of a virus not previously described from Eastern Africa. Tukei PM, et al. East Afr Med J 47:265-72, May 70
Selective media in air sampling: a review. Kingston D.
J Appl Bacteriol 34:221-32, Mar 71 (83 ref.)
A new human virus in cultures from a nasopharyngeal carcinoma. Achong BG, et al. J Pathol 103:p18, Feb 71
Australia antigen, coronavirus, and reverse transcriptase in viral hepatitis. Sirtori C.
Lancet 2:261, 31 Jul 71
Virus-like particles in systemic lupus erythematosus. Phillips PE. N Engl J Med 283:1231-3, 26 Nov 70
Virus-like particles in systemic lupus erythematosus. Sinkovics JG. N Engl J Med 284:107-8, 14 Jan 71
Constant production of type C virus particles in a continuous tissue culture derived from pleural effusion cells of a lymphoma patient. Priori ES, et al.
Nature [New Biol] 232:61-2, 14 Jul 71
In-vitro studies of rat viruses. II. Effects of heat,x-irradiation and carcinogenic drugs. Lum GS.
Oncology 24:416-30, 1970
In-vitro studies of rat viruses. I. Effects of long-term culture. Lum GS. Oncology 24:401-15, 1970
Purification and further characterization of an "IBV-like" virus (coronavirus). Kaye HS, et al.
Proc Soc Exp Biol Med 135:457-63, Nov 70
[Avian viruses from the viewpoint of safety control of vaccines] Pille E, et al.
Monatsh Vet Med 25:264-8, 1 Apr 70 (Ger)
[Pathogenesis of viral diarrhea and mucosal disease in cattle, using a heterotypic immunofluorescence technic] Rohde G, et al.
Zentralbl Veterinaermed [B] 17:686-700, Jun 70 (Ger)
[New virus isolated from SMON patients] Inoue Y.
Jap J Clin Med 29:742-5, Feb 71 (Jap)
[Viruses isolated from the clinical materials of SMON patients] Nakazawa T.
Jap J Clin Med 29:737-41, Feb 71 (Jap)
[Isolation and typing of ECBO viruses from the sperm and serum of bulls] Khristov S, et al.
Veterinarila 1:114-5, Jan 71 (Rus)

METABOLISM

The production of interferon by animal viruses. Burke DC. Proc R Soc Lond [Biol] 177:17-22, 16 Feb 71
Biologic activity of isolated viral nucleic acids. Pagano JS. Progr Med Virol 12:1-48, 1970 (115 ref.)

PATHOGENICITY

Morphological criteria of neurovirulence of viruses in viral vaccine production. Roxina EE.
Acta Virol (Praha) 15:95-101, Jan 71
Development of a camel kidney cell strain and its use in virology. Mirchamsy H, et al.
Appl Microbiol 20:276-8, Aug 70
The response of mice to the intravenous injection of lymphocytic choriomeningitis virus. Tosolini FA.
Aust J Exp Biol Med Sci 48:445-60, Aug 70
The sensitivity of the human diploid cell strain WI-38 to different viruses. Trlifajová J, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:413-9, 1970
[Lethality for mice of the frog virus 3 (FV3)] Kira A.
C R Acad Sci [D] (Paris) 272:2504-6, 10 May 71 (Fre)
[The effect of a virus isolated from swine ili with infectious atrophic rhinitis, on the tissues of the nasal cavity of piglets] Volynets AK.
Mikrobiol Zh 32:396-8, May-Jun 70 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

PHYSIOLOGY

Ultrastructural study on cell-virus relationships in the thyroid of a salamander (Ambystoma macrodactylum Baird). Larsen JH Jr.
Z Zellforsch Mikrosk Anat 95:511-9, 1969

VERTEBRATE VIRUSES, UNCLASSIFIED (B4)

Multiplication of lymphocytic choriomeningitis virus in various systems. Simon M.
Acta Virol (Praha) 14:369-76, Sep 70
Vesicular stomatitis and related viruses. Howatson AF.
Adv Virus Res 16:195-256, 1970 (158 ref.)
Ultrastructural pathology of glomerular lesions in gnotobiotic mice with congenital lymphocytic choriomeningitis (LCM) virus infection. Kajima M, et al. Am J Pathol 61:117-40, Nov 70
Morphological variation of a syncytial virus from lymphosarcomatous and apparently normal cattle. Boothe AD, et al.
Arch Gesamte Virusforsch 31:373-84, 1970
Rat coronavirus (RCV): a prevalent, naturally occurring pneumotropic virus of rats. Parker JC, et al.
Arch Gesamte Virusforsch 31:293-302, 1970
Unproven methods of cancer management: M-P virus. CA 21:186-9, May-Jun 71
Experimental immunization of sows with inactivated transmissible gastroenteritis (TGE) virus. Thorsen J, et al. Can J Comp Med 35:99-102, Apr 71
The morphology of bovine syncytial virus. Clarke JK, et al. J Gen Virol 9:155-7, Nov 70
Reduced interferon response in mice congenitally infected with lymphocytic choriomeningitis virus. Holtermann OA, et al. J Gen Virol 9:101-3, Oct 70
Ultrastructural studies of feline leukemia virus. Dougherty E 3d, et al.
J Ultrastruct Res 32:472-6, Sep 70
Structure and cytopathic effects of Nelson Bay virus. Gard G, et al. J Virol 6:100-6, Jul 70
Arenoviruses in Vero cells: ultrastructural studies. Murphy FA, et al. J Virol 6:507-18, Oct 70
Density gradient centrifugation studies on lymphocytic choriomeningitis virus and on viral ribonucleic acid. Pedersen IR. J Virol 6:414-20, Oct 70
Antigenic and morphological similarities of progressive pneumonia virus, a recently isolated "slow virus" of sheep, to visna and maedi viruses. Takemoto KK, et al. J Virol 7:301-8, Mar 71
Behavior of bovine ephemeral fever virus in laboratory animals and cell cultures. Matumoto M, et al. Jap J Microbiol 14:413-21, Sep 70
Virus associated with S.M.O.N. in Japan. Inoue YK, et al. Lancet 1:853-4, 24 Apr 71
Ultrastructural comparison of a virus from a Rhesus-monkey mammary carcinoma with four oncogenic RNA viruses. Kramarsky B, et al.
Proc Natl Acad Sci USA 68:1603-7, Jul 71
Serological and structural properties of Mason-Pfizer monkey virus isolated from the mammary tumor of a Rhesus monkey. Nowinski RC, et al.
Proc Natl Acad Sci USA 68:1608-12, Jul 71
Experimental immunisation of sows against transmissible gastroenteritis. I. Immunisation with a bacteria-free suspension of transmissible gastroenteritis virus prepared from the intestines of infected pigs. Djurickovic S, et al.
Vet Rec 87:62-4, 18 Jul 70
Duck plaque virus-induced intranuclear inclusions in duck embryo hepatocytes. Gailiunas P, et al.
Zentralbl Veterinaermed [B] 17:890-4, Sep 70
[CCausative factor of coryza--with special reference to rhinovirus and coronaviruses] Ishii K.
Jap J Clin Med 29:1194-200, 1971 (36 ref.) (Jap)

ANALYSIS

Linear, single-stranded deoxyribonucleic acid isolated from Kilham rat virus. Salzman LA, et al.
J Virol 7:830-5, Jun 71

ENZYMOLOGY

Comparison of the ribonucleic acid polymerases of two rhabdoviruses, Kern Canyon virus and vesicular stomatitis virus. Aaslestad HG, et al.
J Virol 7:728-35, Jun 71
Inhibitors of the RNA and DNA dependent polymerase activities of RNA tumour viruses. Gurgo C, et al.
Nature [New Biol] 229:111-4, 27 Jan 71

GROWTH & DEVELOPMENT

Transmissible gastroenteritis of swine: virus-intestinal cell interactions. I. Immunofluorescence, histopathology and virus production in the small intestine through the course of infection. Pensaert M, et al. Arch Gesamte Virusforsch 31:321-34, 1970
Transmissible gastroenteritis of swine: virus-intestinal cell interactions. II. Electron microscopy of the epithelium in isolated jejunal loops. Pensaert M, et al.
Arch Gesamte Virusforsch 31:335-51, 1970
The growth of the virus of epidemic diarrhoea of infant mice (EDIM) in organ cultures of intestinal epithelium. Rubenstein D, et al.
Br J Exp Pathol 52:442-5, Aug 71
Requirement of cellular synthesis for Kilham rat virus replication. Tennant RW, et al.
Virology 42:1054-63, Dec 70

IMMUNOLOGY

Immunodiffusion studies on a fluorocarbon-extracted antigen of lymphocytic choriomenigitis virus. Chastel C. Acta Virol (Praha) 14:507-9, Nov 70
Active immunization of White Pekin ducks against Duck virus enteritis (duck plague) with modified-live-virus vaccine: serologic and immunologic response of breeder ducks. Toth TE.
Am J Vet Res 32:75-81, Jan 71
Antigenic relationships amongst coronaviruses. Bradburne AF.
Arch Gesamte Virusforsch 31:352-64, 1970
Micro-color test for assay of transmissible gastroenteritis virus-neutralizing antibodies. Witte KH. Arch Gesamte Virusforsch 33:171-6, 1971
Experimental immunization of sows with cell-cultured TGE virus. Thorsen J, et al.
Can J Comp Med 34:177-80, Jul 70
Investigation of antigenic relationship of Marek's disease, herpes virus and EB virus (herpes-type virus). Stevens DA, et al.
J Comp Pathol 81:137-40, Jan 71
Immunological identity of the group-specific antigen of hamster-specific C-type viruses and an indigenous hamster virus. Kelloff G, et al.
J Gen Virol 9:27-33, Oct 70
The effect of transplanted lymphoid cells, irradiation, and drug therapy on permanent immunologic tolerance. Larsen JH. J Immunol 107:185-94, Jul 71
Mason-Pfizer monkey virus isolated from spontaneous mammary carcinoma of a female monkey. I. Detection of virus antigens by immunodiffusion, immunofluorescent, and virus agglutination techniques. Ahmed M, et al.
J Natl Cancer Inst 46:1325-34, Jun 71
Tissue injury in lymphocytic choriomeningitis viral infection: virus-induced immunologically specific release of a cytotoxic factor from immune lymphoid cells. Oldstone MB, et al. Virology 42:805-13, Dec 70
[Complement dependent neutralization of equine arteritis virus. Brief report] Maess J.
Arch Gesamte Virusforsch 33:194-6, 1971 (Ger)
[Demonstration of complement fixing antibodies against Marburg virus in 22 patients using a cell culture antigen] Slenczka W, et al.
Arch Gesamte Virusforsch 31:71-80, 1970 (Ger)

ISOLATION & PURIFICATION

Problems in the serological typing of IPN virus. Vestergård Jorgensen P, et al.
Acta Vet Scand 12:145-7, 1971
Mystery virus from Lassa. Pinneo L, et al.
Am J Nurs 71:1352-5, Jul 71
Lupus erythematosus and panniculitis.
Arch Dermatol 102:567-8, Nov 70
Dialysis experiments with the infectious agent of Aleutian disease of mink. Tabel H, et al.
Arch Gesamte Virusforsch 32:53-8, 1970
Isolation of a virus from a female cat with urolithiasis. Fabricant CG, et al.
J Am Vet Med Assoc 158:200-1, 15 Jan 71
An evaluation of the mouse antibody production test for detecting three murine viruses. Lewis VJ, et al.
Lab Anim Sci 21:203-5, Apr 71
Observations on the ultrastructure of lymphocystis virus in the Atlantic croaker, Micropogon undulatus (Linneaus). Howse HD, et al. Virology 44:211-4, Apr 71
[Lassa virus]
Dtsch Med Wochenschr 95:2355, 13 Nov 70 (Ger)
[Diagnosis of transmissible gastroenteritis of the pig] Kretzschmar C.
Monatsh Vet Med 25:629-34, 15 Aug 70 (Ger)
[Etiologic studies of virus infections in calf and cattle husbandry] Schipper E, et al.
Pathol Microbiol (Basel) 36:338, 1970 (Ger)
[A leukocyte virus in human hepatitis] Shubladze AK, et al. Vopr Virusol 15:730-2, Nov-Dec 70 (Rus)

PATHOGENICITY

Experimental infection of rhesus monkeys with Uukuniemi virus. Gresíková M, et al.
Acta Virol (Praha) 14:408-10, Sep 70
Effect of disinfectants and drying on the virus of hemorrhagic enteritis of turkeys. Domermuth CH, et al. Avian Dis 15:94-7, Jan-Mar 71
Observations on rainbow trout ovary cells infected with amphibian virus (LT-1). Li MF, et al.
Can J Microbiol 16:842-5, Jul 70
Virus-induced hemolytic anemia in mice. Wollmann RL, et al. Cancer Res 30:1063-10, Apr 70
Antibody-neutralized avian infectious bronchitis virus in chicken embryo kidney cells: entry and degradation. Stinski MF, et al.
J Gen Virol 8:173-86, Sep 70
An antiviral substance in the tissues of mice acutely infected with lymphocytic choriomeningitis virus. Veltri RW, et al. J Gen Virol 10:17-27, Jan 71
The sensitivity of the human diploid cell strain WI-38 to different viruses. Trlifajová J, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:413-9, 1970
Transformation of murine cells by two "slow viruses," visna virus and progressive pneumonia virus. Takemoto KK, et al. J Virol 7:770-5, Jun 71
Transformation and productive infection of human osteosarcoma cells by a feline sarcoma virus. McAllister RM, et al.
Nature [New Biol] 230:279-82, 28 Apr 71
Cerebellar hypoplasia in neonatal rats caused by lymphocytic choriomeningitis virus. Monjan AA, et al.
Science 171:194-6, 15 Jan 71
[A strain of "Marburg virus" (Rhabdovirus simiae) pathogenic to mice] Hofmann H, et al.
Arch Gesamte Virusforsch 32:244-8, 1970 (Ger)

VERTEBRATES (B2)

On the liver "visceralisation" in the vertebrate series. Diaconescu N. Acta Anat (Basel) 78:74-83, 1971
Rate of digestion of vertebrate blood in Aedes aegypti (L.). Effect of age, mating, and parity. Edman JD.
Am J Trop Med Hyg 19:1031-3, Nov 70
Comparative studies on the interaction of benzpyrene with cells derived from poikilothermic and homeothermic vertebrates. II. Effect of temperature on benzpyrene metabolism and cell multiplication. Clark HF, et al. J Cell Physiol 77:385-92, Jun 71
The behavioral significance of pheromones in vertebrates. Gleason KK, et al.
Psychol Bull 71:58-73, Jan 69
[Specific variations in the sedimentation coefficient of prethyroglobulin in several lower vertebrates] Brisson-Martin A, et al.
C R Soc Biol (Paris) 164:1922-5, 1970 (Fre)
[Comparative study of the biosynthesis of aldosterone and other corticosteroids in various species of vertebrates] Sandor T, et al.
Union Med Can 97:1208-11, Sep 68 (Fre)
[Population genetics II] Sperlich D.
Fortschr Zool 20:207-68, 1970 (87 ref.) (Ger)
[Information processing in the visual system of vertebrates. I] Seelen W von.
Kybernetik 7:43-60 contd, Jun 70 (Ger)

ANATOMY & HISTOLOGY

Histoenzymorphology of beta-D-glucuronidase in cortical granules in oocytes of some representative vertebrates. Varute AT, et al.
Histochemie 23:107-15, 1970

CLASSIFICATION

Vertebrate faunas from the Kubi Algi, Koobi Fora and Ileret areas, East Rudolf, Kenya. Maglio VJ.
Nature (Lond) 231:248-9, 28 Mar 71

EMBRYOLOGY

[Evolution of the sources of limb development in vertebrates] Borisov IN.
Zh Obshch Biol 31:327-36, May-Jun 70 (Rus)

IMMUNOLOGY

Immunological studies with rat pituitary growth hormone (RGH). II. Comparative immunochemical investigation of GH from representatives of various vertebrate classes with monkey antiserum to RGH. Hayashida T. Gen Comp Endocrinol 15:432-52, Dec 70

METABOLISM

[Hormones] Hanke W.
Fortschr Zool 20:318-80, 1970 (213 ref.) (Ger)

PHYSIOLOGY

Some aspects of the evolution of hearing in vertebrates. Manley GA.
Nature (Lond) 230:506-9, 23 Apr 71

VERTICAL DIMENSION (E6)

Vertical proportions and the palatal plane in anterior open-bite. Nahoum HI. Am J Orthod 59:273-82, Mar 71
Extreme variation in vertical facial growth and associated variation in skeletal and dental relations. Isaacson JR, et al. Angle Orthod 41:219-29, Jul 71
The nature of cranial vault variation and its relation to facial height. McKeown M, et al.
Angle Orthod 41:15-8, Jan 71
A study of the dimensional changes occurring in the maxilla following closed face partial immediate denture treatment. Johnson K.
Aust Dent J 15:463-8, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

A device for measuring free-way space. Dyer MR.
Br Dent J 130:363, 20 Apr 71
Gaining vertical dimension for the deep bite restorative patient. Lee RL, et al.
Dent Clin North Am 15:743-63, Jul 71
Effect of experimentally altered occlusal vertical dimension on temporomandibular articulation. Gianelly AA, et al. J Prosthet Dent 24:629-35, Dec 70
Changes in soft-tissue profile following extraction and complete denture treatment. Ismail YH.
J Prosthet Dent 26:11-20, Jul 71
Near or full occlusal vertical dimension increase of severely reduced interarch distance in complete dentures. Owen WD, et al.
J Prosthet Dent 26:134-8, Aug 71
Residual ridge remodeling after tooth extraction in monkeys. Pietrokovski J, et al.
J Prosthet Dent 26:119-29, Aug 71
The reliability of pre-extraction records for complete dentures. Smith DE. J Prosthet Dent 25:592-606, Jun 71
Measuring mandibular vertical bone resorption by radiographic cephalometry. Vierheller PG, et al.
J Prosthet Dent 26:33-40, Jul 71
Relation plane in complete dentures. Villa H.
J Prosthet Dent 24:671-4, Dec 70
[Mandibular kinematics and the vertical dimension in complete prosthesis] Chavel M.
Dent Cadmos 37:327-67, Mar 69 (Ita)
[An idea for the study of the occlusion plane and the free space in complete prostheses] Cooperman H.
Dent Cadmos 37:785-831, May 69 (Ita)
[The effectiveness of reducing the depth in various types of overbite by raising the occlusion of teeth involved in periodontal disease] Sokolowski M.
Czas Stomatol 24:97-103, Jan 71 (Pol)
[The relation between the height of the occlusion and the function of the temporomandibular joint] Uzhumetskene II.
Biull Eksp Biol Med 71:53-5, Mar-Apr 71 (Rus)
[Vertical dimension; interocclusal rest position] Ross EM. ADM 27:405-11, Sep-Oct 70 (Spa)

ADVERSE EFFECTS

[Morphological changes in dog masticatory muscles in increased occlusal height] Gavrilov EI, et al.
Stomatologiia (Mosk) 50:44-8, Jan-Feb 71 (Rus)

INSTRUMENTATION

Comparison of four methods to determine rest position of the mandible. Wagner AG.
J Prosthet Dent 25:506-14, May 71
[Determination of the mandibular rest position in an edentulous patient by means of continuous radiotelemetric recording of the jaw distance] Joniot B. Rev Fr Odontostomatol 17:1205-18, Nov 70 (Fre)

VERTIGO (C10, C11, C17)

Alternobaric vertigo in military divers. Vorosmarti J, et al. Milit Med 135:182-5, Mar 70
[On a phobic neurose with an abnormality of the craniocervical joint] Fournier A, et al.
Bord Med 4:1249-52, Apr 71 (Fre)
[Vertigo: clinical and therapeutical concepts] Martin H. J Med Lyon 51:1421-4 passim, 20 Jun 70 (Fre)
[Vertiginous crisis in young children] Cotte-Rittaud MR. Rev Otoneuroophtalmol 43:50-3, Jan-Feb 71 (Fre)
[Vertigo] Claussen CF. HNO 19:232-9, Aug 71 (Ger)

CHEMICALLY INDUCED

Serum streptomycin levels and dizziness. Line DH, et al. Tubercle 51:76-81, Mar 70
[Vertigo caused by SU 4885 (drug used in the hypophyseal function test)] Sakashita K, et al.
Otolaryngology (Tokyo) 43:213-20, Mar 71 (Jap)

CLASSIFICATION

[Vestibular vertigo, its cause and its significance] Minnigerode B. Med Klin 66:131-6, 22 Jan 71 (Ger)
[Latent form of vertigo] Kopanev VI.
Voen Med Zh 10:82-4, Oct 70 (Rus)
[Modern terminology for certain cases of vertigo] Velasco R. Neurocirugia 28:58-61, Jan-Jun 70 (Spa)

COMPLICATIONS

Migraine, giddiness and cerebral dehydration. Harpman JA. Eye Ear Nose Throat Mon 49:7-9, Jan 70

DIAGNOSIS

Value of caloric tests in cases of vertigo. Sagar PC, et al.
Indian J Med Sci 24:498-505, Aug 70
Evaluation of the patient with dizziness. Rubin W.
J Arkansas Med Soc 67:215-20, Dec 70
Clinical electronystagmography. Hooper RE, et al.
J Laryngol Otol 85:23-33, Jan 71
Application of microvibration of body surface to diagnosis of orthostatic dysregulation. Igarashi K.
Tohoku J Exp Med 102:207-8, Oct 70
[Diagnosis of vertigo and Ménière] Jongkees LB.
Ned Tijdschr Geneeskd 115:115-7, 16 Jan 71 (Dut)
[Cardinal symptom: vertigo from the neurologost's viewpoint] Broser F.
Munch Med Wochenschr 112:1985-94, 30 Oct 70 (Ger)
[Cardinal symptom: vertigo from the point of view of the ear, nose and throat specialist] Henriksson NG, et al.
Munch Med Wochenschr 112:1995-2000, 30 Oct 70 (Ger)
[Comparative results of the caloric test and the pendular test] Capelli G, et al.
Acta Otorinolaryngol Iber Am 21:241-50, 1970 (Spa)

DRUG THERAPY

Evaluation of diphenidol in the symptomatic treatment of labyrinthine vertigo. Corvera J, et al.
Eye Ear Nose Throat Mon 49:190-4, Apr 70
[UCB 6215 used in vertigo patients--a double blind study] Osterhammel D.
Nord Med 84:1187-8, 10 Sep 70 (Dan)
[Action of dogmatil in vertigo states] Baron F, et al.
J Fr Otorhinolaryngol 19:757-8, Nov 70 (Fre)
[Clinical trial of sulpiride in vertige in 25 cases] Gignoux M, et al.
J Fr Otorhinolaryngol 18:823-8, Dec 69 (Fre)
[The value of Sureptil in O.R.L] Mounier-Kuhn P, et al.
J Fr Otorhinolaryngol 18:551-6, Oct 69 (Fre)
[Clinical experimentation with a new anti-vertigo and anti-nausea drug: R.306] Bossut Y, et al.
Lille Med Suppl 6:1353+, Nov 70 (Fre)
[Antiarthritic and antivertigo Equilase] Boussens J, et al.
Rev Laryngol Otol Rhinol (Bord) 90:723-32, Nov-Dec 69 (Fre)
[Clinical and electronystagmographic experience with a new drug containing cinnarizine in the treatment of vertigo] Castellini V.
Boll Mal Orecch Gola Naso 87:107-31, 1969 (Ita)
[Clinical study of moxisylyte hydrochloride] Cloarec M. Clin Ter 55:503-12, 31 Dec 70 (Ita)
[The use of cinnarizine in geriatrics] Pardo A, et al.
G Gerontol 18:936-40, Oct 70 (Ita)

ETIOLOGY

Dizziness--it may be serious. Thomas GL.
Am Fam Physician 3:70-6, Apr 71
Paroxysmal positional vertigo in vitamin B12 deficiency. Mahmud K, et al.
Arch Otolaryngol 92:278-80, Sep 70
Posttraumatic dizziness; vestibular, audiologic, and medicolegal aspects. Toglia JU, et al.
Arch Otolaryngol 92:485-92, Nov 70
Otologic aspects of the Subclavian Steal Syndrome. Shapiro S. Eye Ear Nose Throat Mon 50:94-6, Mar 71
Vertigo, significance and analysis of cases. Salman SD.
J Med Liban 23:459-65, 1970
Symptomatic hyperirritable carotid sinus mechanism. Arenberg IK, et al. Laryngoscope 81:253-63, Feb 71
Rheoencephalography in the evaluation of the vertiginous patient. Compere WE Jr.
Laryngoscope 81:264-72, Feb 71
Dizziness related to hypoglycemia: the role of adrenal steroids and nutrition. Currier WD.
Laryngoscope 81:18-35, Jan 71 (78 ref.)
Destruction of the labyrinth and perilabyrinthitis. Ludman H. Proc R Soc Med 64:849-52, Aug 71
[Vertigo of cervical origin] Philipszoon AJ.
Acta Otorhinolaryngol Belg 24:370-80, 1970 (Fre)
[Mumps deafness and vertigo. Contribution of electronystagmography] Calvet J, et al.
Rev Otoneuroophtalmol 40:450-2, Dec 68 (Fre)
[Leading symptom "dizziness" from the otologist's viewpoint] Schwab W.
Dtsch Med J 20:739-42, 20 Dec 69 (Ger)
[The standing ophthalmodynamogram in orthostatic dizzyness] Tobiasch V, et al.
Z Kreislaufforsch 59:460-7, May 70 (Ger)
[Balance disturbance due to a noise injury from a jet aircraft plant] Mittermaier R.
Z Laryngol Rhinol Otol 49:640-3, Oct 70 (Ger)
[Case of vertigo induce by sound stimulation] Yamanaka Y, et al.
J Otolaryngol Jap 73:1936-42, Dec 70 (Jap)
[Dizziness from the aspect of ophthalmology] Narasaki S. Ophthalmology (Tokyo) 12:718-23, Sep 70 (Jap)
[2 cases of vertigo in cases of pituitary cyst and cerebrovascular disorder] Takeyama I.
Otolaryngology (Tokyo) 42:993-1005, Dec 70 (Jap)
[Vestibulo-cerebellar ataxia (report of a case)] Tangör A, et al. Tip Fak Mecm 32:689-93, 1969 (Tur)

PHYSIOPATHOLOGY

Evaluation of the dizzy patient at a University Medical Center. Hudson HK.
J Miss State Med Assoc 12:238-46, May 71
Comparison of electronystagmographic recordings in patients with vertigo and Parkinson's disease. Dolowitz DA, et al.
Trans Pac Coast Otoophthalmol Soc 50:303-14, 1969 (19 ref.)
[Phenomenon of Tullio and cochleo-vestibular interactions] Hadj-Djilani A.
Pract Otorhinolaryngol (Basel) 33:115-20, 1971 (Fre)
[Vertigo and its clinical and electroencephalographic manifestations] Bental E.
Harefuah 79:1-4, 1 Jul 70 (Heb)

THERAPY

Labyrinthine exercises in the treatment of diseases characterized by vertigo: their physiologic basis and methodology. McCabe BF.
Laryngoscope 80:1429-33, Sep 70
[Neurotomy of the 8th cranial pair via the temporal fossa] Portmann M, et al.
Rev Laryngol Otol Rhinol (Bord) 90:700-15, Nov-Dec 69 (Fre)
[Treatment of attacks of vertigo in clinical practice] Gutting J. Z Allgemeinmed 47:1006, 10 Jul 71 (Ger)

VERTIGO, AURAL see MENIERE'S DISEASE (C11)

VESICAL FISTULA see BLADDER FISTULA (C6)

VESICANTS see under IRRITANTS (D13)

VESICATION see under BLISTER (C12)

VESICO-URETERAL REFLUX (C6)

Ureteral reflux in pediatric patients. Feins NR, et al.
Am J Surg 122:353-62, Sep 71 (49 ref.)
Primary vesico-ureteric reflux in adults. Lipsky H, et al. Br J Urol 43:277-83, Jun 71
Creation of vesicoureteral reflux in the canine experimental model. Orr WA, et al.
Invest Urol 8:604-9, May 71
Vesicoureteral reflux. Oppenheimer R.
JAMA 217:895, 2 Aug 71
[Prognosis for children with vesico-ureteral reflux] Bruezière J. Ann Urol (Paris) 3:25-93, May 69 (Fre)
[Vesico-renal reflux in children] Cukier J, et al.
Presse Med 78:1977-82, 28 Oct 70 (Fre)
[Clinical study of vesico-ureteral reflux in children] Larbre, et al. Rev Lyon Med 18:615-24, 30 Oct 69 (Fre)
[Vesico-ureteral reflux in adults] Lipsky H, et al.
Urologe 9:330-3, Nov 70 (Ger)
[Vesico-ureteral reflux in children] Giovanneili G, et al. Minerva Pediatr 21:2061-4, 3 Nov 69 (Ita)
[Vesico-ureteral reflux (v.u.r.) in infancy. With special reference to that in little girls] Schiavini A, et al.
Minerva Pediatr 23:765-70, 28 Apr 71 (Ita)
[Bladder cancer and vesicoureteral reflux] Fujieda J, et al. Iryo 25:17-20, Jan 71 (Jap)
[Ureteral reflux in children] Murvanidze DD, et al.
Vestn Khir 106:84-6, Apr 71 (Rus)

CLASSIFICATION

[Roentgenologic classification of vesico-ureteral reflux in children] Abraham J, et al.
Radiologe 10:327-32, Aug 70 (Ger)

COMPLICATIONS

Reflex in duplicated ureters: treatment in children. Amar AD, et al. J Pediatr Surg 5:419-30, Aug 70
Ten cases of vesicoureteral reflux in young women with urinary tract infection. Burger RH.
J Urol 105:71-5, Jan 71
Epispadias and vesicoureteral reflux. Ambrose SS.
South Med J 63:1193-4, Oct 70
[Urinary tract malformations in children with urinary tract infections] Haahr J.
Nord Med 85:281-5, 4 Mar 71 (Dan)
[Vesico-ureteral reflux in children] Haahr J.
Nord Med 85:810-1, 1 Jul 71 (Dan)
[Recurrent urinary infections and vesico-ureteral reflux] Holm-Nielsen P.
Nord Med 85:286, 4 Mar 71 (Dan)
[Ascending nephritis due to vesico-ureteral reflux] Milliez P, et al. Tunis Med 48:47-50, Jan-Feb 70 (Fre)
[Organic causes of enuresis] Mildenberger H.
Med Welt 7:255-8, 13 Feb 71 (Ger)
[Reflux and pyelonephritis in adults] Aberle B.
Wien Z Inn Med 52:312-6, Jun 71 (Ger)

CONGENITAL

Congenital anomalies of the urinary tract in pediatrics: a review of two cases. Rochen DM.
J Am Osteopath Assoc 69:1242-3, Aug 70

DIAGNOSIS

Radionuclide scintigraphy for detection of vesicoureteral reflux in children. Blaufox MD, et al.
J Pediatr 79:239-46, Aug 71
[Comparison of x-ray and radioisotope examination for determination of vesicoureteral reflux] Holý J, et al.
Cesk Radiol 25:98-103, May 71 (Cze)
[Prognosis in vesico-ureteral reflux in children] Haahr J. Nord Med 85:276-80, 4 Mar 71 (Dan)
[Relative diagnostic value of radiologic and isotopic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

methods associated with cystometry in the detection of vesico-uretero-renal reflux] Collard M, et al. J Belge Radiol 52:327-34, Nov-Dec 69 (Fre)
[Vesico-ureteral reflux in children and its diagnosis] Tereshchenko OV, et al. Pediatr Akush Ginekol 1:17-9, Jan-Feb 69 (Ukr)

ETIOLOGY

Primary interstitial nephritis with reflux. Stickler GB, et al. Am J Dis Child 122:144-8, Aug 71
Cyclophosphamide necrosis of bladder causing calcification, contracture and reflux; treated by colocystoplasty. Marsh FP, et al. Br J Urol 43:324-32, Jun 71
Vesico-ureteric reflux after renal transplantation. Powis SJ, et al. Br Med J 3:279-81, 31 Jul 71
Refluxing ureteral stump with pseudocyst formation: a complication of renal homotransplantation. Johnson AJ, et al. J Urol 104:668-9, Nov 70
Vesico-ureteric reflux following interstitial irradiation of the urinary bladder. Williams G, et al. Proc R Soc Med 64:64-6, Jan 71
[Vesico-ureteric reflux following discission of the ureteric orifice] Gregersen E, et al. Nord Med 85:654-6, 27 May 71 (Dan)
[Does ureterocystoneostomy always have to be associated with an anti-reflux mechanism?] Michielsen JP, et al. Arch Chir Neerl 22:125-42, 1970 (Fre)
[Reflux, infection and pyelonephritis in children] Mollard P, et al. Maroc Med 50:619-24, Oct 70 (Fre)
[Reflux and extravasation formations in antegrade and retrograde pyelography] Ulrich HJ. Z Urol Nephrol 62:573-84, 1969 (Ger)
[Pathology of the bulbar urethra] Vernet SG. Z Urol Nephrol 63:541-2, Jul 70 (Ger)
[Appendectomy with cutting of the ureter] Schulz MR. Zentralbl Chir 95:1053-6, 29 Aug 70 (Ger)

FAMILIAL & GENETIC

Familial vesicoureteral reflux. Mulcahy JJ, et al. J Urol 104:762-4, Nov 70
Familial and hereditary vesicouretral reflux. Burger RH. JAMA 216:680-1, 26 Apr 71

OCCURRENCE

Vesicoureteral reflux in children. Frequency and associated urologic abnormalities. Cussen LJ. Invest Urol 8:640-4, May 71
Incidence of vesicoureteral reflux in paraplegia as related to the level of injury and the type of urinary drainage. Mihaldzic N, et al. Proc Annu Clin Spinal Cord Inj Conf 15:136-40, 7 Nov 66

PHYSIOPATHOLOGY

Ureteral function in vesico-ureteral reflux. Kirkland IS, et al. Br J Urol 43:289-96, Jun 71
The abnormal ureter in children. II. Perfusion studies on the refluxing ureter. Reuterskiöld AG. Scand J Urol Nephrol 4:99-105, 1970
[Noxious effects of vesico-renal reflux: 36 cases of adult-acquired reflux] Küss R, et al. Ann Urol (Paris) 3:35-42, Feb 69 (Fre)

RADIOGRAPHY

[Renal colic and caliceal rupture] Bonard M. Ther Umsch 27:273-7, May 70 (Fre)
[Roentgenologic classification of vesico-ureteral reflux in children] Abraham J, et al. Radiologe 10:327-32, Aug 70 (Ger)
[Roentgenologic studies in female patients for confirmation of vesico-ureteral reflux] Kotoulas K, et al. Roentgenpraxis 24:127-311, Jun 71 (Ger)

SURGERY

Surgical alternatives to excision of refluxing ureteral stump. Amar AD. Br J Urol 43:297-300, Jun 71
Surgical revision of the incompetent ureterovesical junction: a critical analysis of techniques and requirements. Tanagho EA. Br J Urol 42:410-24, Aug 70
Vesicoureteral reflux. Ill Med J 139:594-7, Jun 71
Ureteroneocystostomy in refluxing ureteric duplication: indications, technique and results. Bettex M, et al. J Pediatr Surg 5:622-7, Dec 70
Reflux in complete duplicated ureters in children: management and techniques. Johnston JH, et al. J Urol 105:881-7, Jun 71
Ipsilateral ureteroureterostomy in the management of vesicoureteral reflux in duplication of upper urinary tract. Lytton B, et al. J Urol 105:507-10, Apr 71
Surgical correction of vesicoureteral reflux in children: results with the use of a single standard technique. Palken M. J Urol 104:785-8, Nov 70
Pull-through ureteral reimplantation for reflux. Thompson IM, et al. J Urol 105:631-3, May 71
Late obstruction after ureteroneocystostomy. Weiss RM, et al. J Urol 106:144-8, Jul 71
Y-V enlargement of the vesical outlet in ordinary cases of vesicoureteral reflux. Woodrow SI, et al. J Urol 105:301-6, Feb 71
Vesico-ureteral reflux in paraplegia: results of various forms of management. Tarabulcy K, et al. Proc Annu Clin Spinal Cord Inj Conf 16:180-3, 1967
An improved technic for ureteroneocystostomy. Finder RJ. South Med J 63:1462-3, Dec 70
[Surgical management of vesico-renal reflux in children] Stefan H. Rozhl Chir 49:446-50, Sep 70 (Cze)
[Problems of antirefluxplasty] Bandhauer K. Helv Chir Acta 37:476-80, Aug 70 (Ger)
[Antireflux operation: indication and results] Moormann JG, et al. Urologe 9:241-8, Sep 70 (Ger)
[Non-obstructive vesico-ureteral reflux in female adults] Takeuchi M, et al. Jap J Urol 61:1004-9, Oct 70 (Jap)
[Ureteral reflux in adults--a material operated on by Hutch's method] Lindstedt E, et al. Nord Med 85:122, 28 Jan 71 (Swe)

THERAPY

Results of conservative treatment of vesicoureteric reflux in children. Lenaghan D. Br J Urol 42:738, Dec 70
Management of reflux in total duplication anomalies. Daines SL, et al. J Urol 105:720-4, May 71
[Vesico-ureteral reflux: a current problem of pediatric urology] Sernia O, et al. Minerva Pediatr 21:2447-64, 29 Dec 69 (Ita)

VETERINARY

Ureteral reflux in the squirrel monkey (Saimiri sciureus). Sinha DP, et al. Am J Vet Res 32:975-8, Jun 71

VESICOVAGINAL FISTULA (C6)

COMPLICATIONS

[Vesicovaginal fistulas complicated by urolithiasis] Savitskaia LK, et al. Akush Ginekol (Mosk) 46:56-8, Aug 70 (Rus)

CONGENITAL

Congenital hydrocolpos and associated urogenital malformations: report of a case with solitary kidney and congenital vesicovaginal fistula. Smith RB, et al. J Urol 105:883-6, May 71

ETIOLOGY

Vesico-vaginal fistula and osteomyelitis. A complication of an occult open fracture of the pelvis: a case report. Siegel RS. J Bone Joint Surg [Am] 53:583-6, Apr 71
Vesicovaginal fistula after radiation therapy. Daly JW. J Fla Med Assoc 58:25-6, Jun 71
Bladder and urethral injuries following prolonged labor. Linke CA, et al. J Urol 105:679-82, May 71
The influence of urinary bilharziasis on vesico-vaginal fistula in relation to causation and healing. Bland KG, et al. Trans R Soc Trop Med Hyg 64:588-92, 1970
[2 cases of post-obstetrical vesico-genital fistulas] Simeoni CM, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:156-8, Apr-May 68 (Fre)
[Vesico-vaginal fistulas] Pedronetto S. Minerva Ginecol 21:921-31, 31 Jul 69 (Ita)

HISTORY

J. Marion Sims (1813-1883) and the vesicovaginal fistula. (Sims JM), Gifford RR. J SC Med Assoc 67:271-5, Jun 71

PREVENTION & CONTROL

[Treatment of vesico-vaginal fistulae in Africans and their prevention] Kiefstad-Sillonville F. Med Trop (Mars) 31:311-21, May-Jun 71 (Fre)

SURGERY

Case report of a vesicovaginal fistula of unusual presentation. Foley JJ, et al. Br J Surg 58:701-2, Sep 71
Transabdominal, transperitoneal, transvesical repair of recurrent vesicovaginal fistula. Morgan EK. Br J Urol 42:743-4, Dec 70
[Our experience with the surgical management of recurrent high vesicovaginal fistulas] Niederle B, et al. Cesk Gynekol 35:416-9, Sep 70 (Cze)
[Closing of vesico-vaginal fistula in black Africa. Therapeutical results (102 cases)] Perquis P, et al. J Urol Nephrol (Paris) 76:770-5, Jul-Aug 70 (Fre)
[Treatment of vesico-vaginal fistulae in Africans and their prevention] Kiefstad-Sillonville F. Med Trop (Mars) 31:311-21, May-Jun 71 (Fre)
[Rare female urogenital fistulas] Albescu I. Z Geburtshilfe Gynaekol 172:213-9, Jun 70 (Ger)
[Vesico- and urethrovaginal fistulas after obstetric-gynecologic operations and radiation] Meridies R, et al. Z Urol Nephrol 63:405-16, Jun 70 (Ger)
[Operative management of urologic complications of gynecologic diseases] Schmiedt E. Z Urol Nephrol 63:547-62, Jul 70 (Ger)
[Surgical therapy of injuries after obstetric-gynecologic intervention] Schmitz W, et al. Z Urol Nephrol 63:657-68, Sep 70 (Ger)
[The use of the intestine in the surgical treatment of uro-genital fistulas] Sorrentino F. Osp Ital Chir 22:49-63, Jan 70 (Ita)
[Treatment of vesicovaginal fistula] Nagata M, et al. Shujutsu 24:1445-51, Dec 70 (Jap)
[Remote results of transplantation of the ureters to the intestine in vesicovaginal fistula] Abaimasov GM, et al. Akush Ginekol (Mosk) 46:72-4, Oct 70 (Rus)
[Surgical treatment of urogenital fistulas in females] Koval'chuk LS. Akush Ginekol (Mosk) 46:68-9, Oct 70 (Rus)
Experience in the treatment of urovaginal fistulae in the Colonia Hospital] Fernández del Castillo C, et al. Ginecol Obstet Mex 28:525-37, Nov 70 (Spa)
[Vesicovaginal fistula. (Latzko's operation)] Quiñones R, et al. Ginecol Obstet Mex 29:367-76, Apr 71 (Spa)

VESICULAR EXANTHEMA OF SWINE (C1, C15)

Biochemical and biophysical properties of vesicular exanthema of swine virus. Oglesby AS, et al. Virology 44:329-41, May 71

VESICULAR STOMATITIS VIRUS (B4)

Enhancement of interferon synthesis by polyinosinic-polycytidylic acid in L cells pretreated with interferon. Rosztóczy I, et al. Acta Virol (Praha) 14:398-400, Sep 70
Vesicular stomatitis and related viruses. Howatson AF. Adv Virus Res 16:195-256, 1970 (158 ref.)
Vesicular stomatitis virus, Indiana serotype: multiplication in and transmission by experimentally infected phlebotomine sandflies (Lutzomyia trapidoi). Tesh RB, et al. Am J Epidemiol 93:491-5, Jun 71
A potential method for enumerating antigen-sensitive cells in delayed hypersensitivity. Bloom BR. Int Arch Allergy Appl Immunol 41:91-5, 1971
Isolation and characterization of temperature-sensitive mutants of vesicular stomatitis virus. Holloway AF, et al. Virology 42:917-26, Dec 70
Vesicular stomatitis virus--a new interfering particle, intracellular structures, and virus-specific RNA. Petric M, et al. Virology 41:615-30, Aug 70
[Effects of vesicular stomatitis virus on the metabolism of proteins and ribonucleic acids of chick embryo cells] Genty N, et al. C R Acad Sci [D] (Paris) 271:1460-3, 19 Oct 70 (Fre)
[Participation of macrophages and neutrophils of immune mice in the phagocytosis of virus infected cells] Kiazimova AA, et al. Biull Eksp Biol Med 68:70-2, Sep 69 (Rus)
[Morphological characteristics of L cells chronically infected by vesicular stomatitis virus] Bocharov AF, et al. Vestn Akad Med Nauk SSSR 25:83-9, 1970 (Rus)
[Thermoinactivation of viruses. I. The relationship between the speed of inactivation and temperature] Novokhatskiĭ AS. Vopr Virusol 15:492-9, Jul-Aug 70 (Rus)
[Thermoinactivation of viruses. II. The nature of anomalies in the inactivation of viruses] Novokhatskiĭ AS, et al. Vopr Virusol 15:555-61, Sep-Oct 70 (Rus)
[Chronic viral infection in transplantable cultures of human leukemia (J-96) and mouse fibroblast (L) cells, produced by inoculation of the cultures with Coxsackie B5 and vesicular stomatitis viruses in the presence of antisera to the infected cells] Sovetova GP, et al. Vopr Virusol 16:10-6, Jan-Feb 71 (Rus)

ANALYSIS

Comparison of membrane protein glycopeptides of Sindbis virus and vesicular stomatitis virus. Burge BW, et al. J Virol 6:176-82, Aug 70
Glycolipid content of vesicular stomatitis virus grown in baby hamster kidney cells. Klenk HD, et al. J Virol 7:416-7, Mar 71
Lipid composition of purified vesicular stomatitis viruses. McSharry JJ, et al. J Virol 7:59-70, Jan 71
Carbohydrate composition of vesicular stomatitis virus. McSharry JJ, et al. J Virol 7:412-5, Mar 71
An electron microscopic study of the presence or absence of neuraminic acid in enveloped viruses. Klenk HD, et al. Virology 42:1158-62, Dec 70

CLASSIFICATION

Vesicular Stomatitis (VSNJ) strain. New Jersey (Hazelhurst). Am J Trop Med Hyg 19:Suppl:1155-6, Nov 70
The homologies of spontaneous and induced temperature-sensitive mutants of vesicular stomatitis

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

virus isolated in chick embryo and BHK 21 cells. Flamand A, et al. J Gen Virol 11:81-5, May 71
[Genetic study of vesicular stomatitis virus: classification of spontaneous thermosensitive mutants into complementation groups] Flamand A. J Gen Virol 8:187-95, Sep 70 (Fre)

DRUG EFFECTS

Interferon induction by and ribonuclease sensitivity of thiophosphate-substituted polyribonucleotides. De Clercq E, et al.
Antimicrob Agents Chemother 9:187-91, 1969
Viral auto-inhibition studied by the effect of anti-interferon serum on plaque formation. Fauconnier B.
Arch Gesamte Virusforsch 31:366-72, 1970
Thermal activation of the antiviral activity of synthetic double-stranded polyribonucleotides. De Clercq E, et al. J Mol Biol 56:83-100, 28 Feb 71
Factors affecting the sensitivity of different viruses to interferon. Hallum JV, et al. J Virol 6:156-62, Aug 70
Relative antiviral resistance induced in homologous and heterologous cells by cross-reacting interferons. Stewart WE 2d, et al. J Virol 6:795-9, Dec 70
Potentiation of the antiviral activity of interferon by actinomycin D. Chany C, et al.
Nature [New Biol] 230:113-4, 24 Mar 71
Antiviral activity of polyribocytidylic acid in cells primed with polyriboinosinic acid. De Clercq E, et al.
Science 173:260-2, 16 Jul 71
Antiviral resistance by the polyinosinic acid-poly (1-vinylcytosine) complex. Pitha J, et al.
Science 172:1146-8, 11 Jun 71
The antiviral activity of thiophosphate-substituted polyribonucleotides in vitro and in vivo. CDe Clercq E, et al. Virology 42:421-8, Oct 70
[Demonstration of a serological difference between the virus adapted to Drosophila and the initial strain of the vesicular stomatitis virus] Laurent J.
C R Soc Biol (Paris) 164:541-5, 1970 (Fre)
[Combined use of prodigiozan and 8-mercaptoadenine for the stimulation of the antiviral resistance of cells] Braude AI, et al. Antibiotiki 15:735-9, Aug 70 (Rus)
[Effect of rifampicin on the reproduction of DNA containing viruses in tissue culture cells] Goncharskaia TIa, et al.
Antibiotiki 16:295-8, 1971 (Rus)
[A decrease in vesicular stomatitis virus plaque size in the presence of diethylaminoethyldextran (DEAED) and isolation of a mutant resistant to DEAED] Nizamov VSh, et al.
Vopr Virusol 16:111-2, Jan-Feb 71 (Rus)

ENZYMOLOGY

Nucleoside triphosphate phosphotransferase. A new enzyme activity of oncogenic and non-oncogenic "budding" viruses. Roy P, et al.
Biochim Biophys Acta 235:191-206, 14 Apr 71
Comparison of the ribonucleic acid polymerases of two rhabdoviruses, Kern Canyon virus and vesicular stomatitis virus. Aaslestad HG, et al.
J Virol 7:726-35, Jun 71
Ribonucleic acid polymerase in virions of Newcastle disease virus: comparison with the vesicular stomatitis virus polymerase. Huang AS, et al.
J Virol 7:389-94, Mar 71

GROWTH & DEVELOPMENT

Studies on the multiplication of vesicular stomatitis virus with fluorescein and ferritin conjugated antibodies. Paucker K, et al.
Acta Pathol Microbiol Scand [B] 78:317-29, 1970
Examination of virus-infected cultured cells by scanning electron microscopy. Aranyi C, et al.
Appl Microbiol 20:633-7, Oct 70
Development of four arboviruses in mice and application to rapid test procedures. Calisher CH, et al. Appl Microbiol 20:398-404, Sep 70
Absence of interference during high-multiplicity infection by clonally purified vesicular stomatitis virus. Stampfer M, et al. J Virol 7:409-11, Mar 71
Interferon production and inhibition of host synthesis in cells infected with vesicular stomatitis virus. Wertz GW, et al. J Virol 6:476-84, Oct 70
Action of interferon: kinetics and differential effects on viral functions. Yamazaki S, et al.
J Virol 6:421-9, Oct 70
Morphogenesis of the nucleoprotein of vesicular stomatitis virus. Zajac BA, et al.
J Virol 6:243-52, Aug 70
Growth of vesicular somatitis virus in human myeloblasts. Baumberger U.
Pathol Microbiol (Basel) 36:161-72, 1970
Replication of vesicular stomatitis virus. I. Viral specific RNA and nucleoprotein in infected L cells. Schincariol AL, et al. Virology 42:733-43, Nov 70
[Analysis of synthesis of viral RNA of the vesicular stomatitis virus (VSV). Use of thermosensitive mutants] Martinet C, et al.
Ann Inst Pasteur (Paris) 119:411-9, Oct 70 (Fre)
[Adaptation of the vesicular stomatitis virus to Drosophila melanogaster] Printz P.
Ann Inst Pasteur (Paris) 119:520-37, Oct 70 (Fre)
[Factors determining the level of virus production. 2. The effect of conditions of cultivation on the production of several RNA-containing viruses] Novokhatskif AS, et al.
Vopr Virusol 15:663-7, Nov-Dec 70 (Rus)

IMMUNOLOGY

Immunogenicity of oncolysates obtained from Ehrlich ascites tumors infected with vesicular stomatitis virus. Lindenmann J.
Arch Gesamte Virusforsch 31:61-70, 1970
Induction of tumor immunity in mice with antigens prepared from influenza and vesicular stomatitis virus grown in suspension culture of Ehrlich ascites cells. Häkkinen I, et al.
J Nati Cancer Inst 46:1161-7, Jun 71
Proteins of vesicular stomatitis virus. II. Immunological comparisons of viral antigens. Kang CY, et al. J Virol 6:20-7, Jul 70
Patterns of cycloheximide and puromycin effect on interferon production stimulated by virus or polyribonucleotide in different tissues. Ke YH, et al.
Proc Soc Exp Biol Med 136:365-8, Feb 71
Relationship of molecular size of rIn:rCn (poly I:C) to induction of interferon and host resistance. Lampson GP, et al. Proc Soc Exp Biol Med 135:911-6, Dec 70
Influence of size of individual homopolynucleotides on the physical and biological properties of complexed rIn:rCn (poly I:C). Tytell AA, et al.
Proc Soc Exp Biol Med 135:917-21, Dec 70
Repression of interferon action: induced dedifferentiation of embryonic cells. Grossberg SE, et al. Science 171:77-9, 8 Jan 71

ISOLATION & PURIFICATION

Comparison of microtiter procedures with the plaque technique for assay of vesicular stomatitis virus. Rosenthal LJ, et al. Appl Microbiol 21:400-4, Mar 71

METABOLISM

Rapid sensitive assay for interferons based on the inhibition of MM virus nucleic acid synthesis. Allen PT, et al. Appl Microbiol 20:317-22, Sep 70
Kinetics of RNA synthesis by vesicular stomatitis virus particles. Bishop DH, et al.
J Mol Biol 57:513-27, 14 May 71
Properties of the product synthesized by vesicular stomatitis virus particles. Bishop DH, et al.
J Mol Biol 58:799-814, 28 Jun 71
Preliminary physiological characterization of temperature-sensitive mutants of vesicular stomatitis virus. Pringle CR, et al. J Virol 8:56-61, Jul 71
Temperature-sensitive mutants of vesicular stomatitis virus: synthesis of virus-specific proteins. Printz P, et al. J Virol 7:651-62, May 71
Intracellular site of RNA replication of vesicular stomatitis virus as revealed by radioautography. Yaoi Y, et al. Jap J Microbiol 14:427-9, Sep 70
Interactions of vesicular stomatitis virus structural proteins with HeLa plasma membranes. Cohen GH, et al. Nature [New Biol] 231:121-3, 26 May 71
Ribonucleic acid synthesis of vesicular stomatitis virus. 3. Multiple complementary messenger RNA molecules. Huang AS, et al. Virology 42:946-57, Dec 70
Protein synthesis in vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al. Virology 42:328-40, Oct 70

PATHOGENICITY

Effect of U.v.-irradiated vesicular stomatitis virus on nucleic acid synthesis in chick embryo cells. Yaoi Y, et al. J Gen Virol 8:165-72, Sep 70
Inhibitory effect of ultraviolet-inactivated vesicular stomatitis virus on initiation o DNA synthesis in cultured chick embryo cells. Yaoi Y, et al.
J Gen Virol 9:69-75, Oct 70
Clinical and serologic response of American white-collared peccaries to African swine fever, foot-and-mouth disease, vesicular stomatitis, vesicular exanthema of Swine, hog cholera, and rinderpest viruses. Dardiri AH, et al.
Proc US Anim Health Assoc 73:437-52, 1969
Polysomal ribonucleic acid of vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al.
Virology 42:958-68, Dec 70
[Cytopathogenic and transforming effect of infectious and oncogenic viruses in tissue culture] Zhudina AI, et al. Vopr Onkol 16:47-59, 1970 (Rus)
[The toxic effect of vesicular stomatitis virus on mouse peritoneal exudate phagocytes] Sollilova LV, et al.
Vopr Virusol 15:670-4, Nov-Dec 70 (Rus)

RADIATION EFFECTS

Inhibitory effect of ultraviolet-inactivated vesicular stomatitis virus on initiation o DNA synthesis in cultured chick embryo cells. Yaoi Y, et al.
J Gen Virol 9:69-75, Oct 70

VESPRIN see TRIFLUPROMAZINE (D6)

VESTIBULAR APPARATUS (A9)

Physical properties of fluids and structures of vestibular apparatus of the pigeon. Money KE, et al.
Am J Physiol 220:140-7, Jan 71
Stimulation of the vestibular apparatus in the guinea pig by static pressure changes: head and eye movements. Reschke MF, et al.
J Acoust Soc Am 48:913-23, Oct 70
Relapsing polychondritis: audiovestibular manifestations. Cody DT, et al.
Laryngoscope 81:1208-22, Aug 71
Vestibular function and hearing in children with prenatal rubella. Frost JO, et al.
NY State J Med 71:971-3, 1 May 71
Preliminary results on intralabyrinthine temperature changes in the vestibular labyrinth during caloric stimulation. Ishiyama E, et al.
Pract Otorhinolaryngol (Basel) 32:231-9, 1970
[Ulcero-mutilating acropathy with pigmentary retinitis and vestibular disorders] Raverdy P, et al.
Rev Neurol (Paris) 122:142-4, Feb 70 (Fre)
[Vestibular disorders in medical practice] Montandon A. Ther Umsch 28:142-7, Mar 71 (Fre)
[Calcium and phosphorus blood levels in vestibular disorders before and after vestibular stimulation] Kehaiov AN.
Monatsschr Ohrenheilkd Laryngorhinol 105:67-73, Feb 71 (Ger)
[Iatrogenic impairment of the auditory and vestibular apparatus] Neiger M.
Ther Umsch 27:400-3, Jun 70 (Ger)
[Objective vestibular examination] Theissing J.
Z Laryngol Rhinol Otol 49:477-80, Aug 70 (Ger)
[Study of vestibular function after stapedectomy] Conti A, et al. Arch Ital Otol 80:69-77, Mar-Apr 69 (Ita)
[Air sickness: occurrence, pathogenesis, and prevention in the light of current knowledge] Caporale R. Minerva Med 61:4206-14, 26 Sep 70 (Ita)
[The vestibular apparatus and complex accelerations. Further experimental electronystagmographic studies] Caporale R, et al.
Riv Med Aeronaut Spaz 33:24-39, Jan-Mar 70 (Ita)
[On stimulation of the vestibular apparatus with "square-wave" accelerations and on the validity of Ewald's laws] Caporale R, et al.
Riv Med Aeronaut Spaz 33:10-23, Jan-Mar 70 (Ita)
[On the vestibular syndrome after craniocerebral injury in flight personnel] Sigal S, et al.
Otorinolaringologie 16:35-41, Jan-Feb 71 (Rum)
[The vestibular syndrome in the framework of cervical spondyloses] Sîrjiţă N.
Otorinolaringologie 16:21-6, Jan-Feb 71 (Rum)
[Electronystagmography in the vestibular syndrome caused by streptomycin] Cuţu G.
Rev Med Chir Soc Med Nat Iasi 75:71-6, Jan-Mar 71 (Rum)
[Vestibular disorders in a comatose state in patients with traumatic hematomas in the cerebral hemispheres] Blagoveshchenskaia NS, et al.
Zh Nevropatol Psikhiatr 70:978-82, 1970 (Rus)

CYTOLOGY

Some morphological principles of the vestibular maculae in birds. Rosenhall U.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:154-82, 1970
[Morphology of the sensory epithelium of the vestibular organ] Watanuki K, et al.
Tohoku J Exp Med 104:55-63, May 71 (Ger)

DRUG EFFECTS

Unilateral vestibular ablation with streptomycin. A study in cats. Fairbanks DN, et al.
Arch Otolaryngol 93:590-6, Jun 71
Bacteriuria again. Gingell JC. Br Med J 2:278, 1 May 71
Modification of the vestibular function with betahistine HCl. Bertrand RA.
Laryngoscope 81:889-96, Jun 71
Ototoxicity of gentamicin. Histopathologic and functional results in the cat. Webster JC, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1155-65, Nov-Dec 70
[Acoustic-vestibular function under dumping provocations with apomorphine and glucose] Peitersen E, et al. Nord Med 85:219-20, 18 Feb 71 (Dan)
[Antivertiginous influence on the vestibular function under dumping provocation with apomorphine] Vesterhauge S, et al. Nord Med 85:220, 18 Feb 71 (Dan)
[Gentamycin induced lesions of the vestibular organ in guinea pigs(cytovestibulogram calorization) and after its therapeutic administration] Lange G.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:153-8, 1970 (Ger)
[Effect of the cervical spine on vestibular reactions] Zelenka J.
Z Laryngol Rhinol Otol 49:509-14, Aug 70 (Ger)
[Diuretics in Meniere's disease. The action of furosemide on vestibular reflectivity] Celestino D, et al. Arch Ital Otol 81:143-55, May-Jun 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Experimental study of Fentanyl in positional alcoholic nystagmus in the rabbit] Castellini V, et al. Minerva Otorinolaringol 21:1-10, Jan-Feb 71 (Ita)
[Experimental research on changes in optokinetic nystagmus under the influence of fentanyl] Castellini V, et al. Valsalva 46:163-9, Aug 70 (Ita)
[Electronystagmographic studies of the effects of streptomycin upon the vestibular organ] Bochenek Z, et al. Gruzlica 39:289-95, Apr 71 (Pol)
[Case of isolated lesion of the vestibular apparatus in a patient with pulmonary tuberculosis treated with streptomycin] Obara K. Otolaryngol Pol 25:109-11, 1971 (Pol)
[Poisoning of the cochleovestibular apparatus in treatment with antibiotics] Vasil'ev NA. Klin Med (Mosk) 47:61-5, Sep 69 (Rus)
[Adverse effects of thiacetazone] Virsik K, et al. Bratisl Lek Listy 55:470-5, 1971 (Slo)

ENZYMOLOGY

The histochemistry of dark cells in the vestibular labyrinth. Hiraide F. Acta Otolaryngol (Stockh) 71:40-8, Jan 71
Acetylcholinesterase activity in the vestibular sensory areas. Iurato S, et al. Acta Otolaryngol (Stockh) 71:147-52, Feb-Mar 71

INJURIES

[Auditory and vestibular changes in sport skin-diving] Girardi G, et al. Arch Ital Otol 80:486-504, Nov-Dec 69 (Ita)

INNERVATION

[The importance of cortical vestibular projection zones in elaboration of vestibular conditioned reflexes and in spatial orientation in cats] Gorgiladze GI. Zh Vyssh Nerv Deiat 20:663-5, Jul-Aug 70 (Rus)

PATHOLOGY

[Pathogenesis of the acute development of the isolated elimination of the vestibular apparatus] Temesrékási D. HNO 18:313-6, Oct 70 (Ger)
[Pathology of the vestibular apparatus in streptomycin and kanamycin ototoxicosis] Watanuki K. J Otolaryngol Jap 74:1028-35, 1971 (Jap)

PHYSIOLOGY

Use of triangular waveforms of angular velocity in the study of vestibulbar function. Guedry FE Jr, et al. Acta Otolaryngol (Stockh) 71:439-48, Jun 71
Influence of vestibular stimulation and display luminance on the performance of a compensatory tracking task. Gilson RD, et al. Aerosp Med 41:1231-7, Nov 70
Analysis of 10 minutes of physiological data from the Biosatellite 3 from lift-off to orbital insertion. Tejada RI, et al. Aerosp Med 42:281-7, Mar 71
Apparent sound displacement during vestibular stimulation. Lester G, et al. Am J Psychol 83:554-66, Dec 70
Maxillary fixation for vestibular testing in the cat. Buehler BA, et al. Ann Otol Rhinol Laryngol 80:474-5, Jun 71
Effect of stapedectomy on the nonoperated ear. Hrappo NS. Arch Otolaryngol 93:374-7, Apr 71
Experiments on acoustic stimulated eye movement. Tonndorf J. Arch Otolaryngol 93:220, Feb 71
Dendritic and somatic impulse initiation in fish oculomotor neurons during vestibular nystagmus. Korn H, et al. Brain Res 27:169-75, 19 Mar 71
Effect of vestibular stimulation on pupillary size. DeSantis M, et al. Exp Neurol 30:66-77, Jan 71
The vestibular aspects of space flights. Shapiro SL. Eye Ear Nose Throat Mon 49:95-9, Feb 70
Interactions between electrical and mechanical vestibular stimulation: observations on rabbits and men. Parker DE. J Exp Psychol 84:96-104, Apr 70
Vestibular stimulation and auditory thresholds. Lester G. J Gen Psychol 85:103-5, Jul 71
Analysis of the vestibulo-vagal response. Kubo S, et al. J Physiol Soc Jap 33:403-4, 1971
Rheographic recording of the vestibulo-autonomic reflex following caloric stimulation. Westergaard O, et al. Pract Otorhinolaryngol (Basel) 32:240-3, 1970
To cast away: a vestibular forerunner of the superego. Peto A. Psychoanal Study Child 25:401-16, 1970
Mechanisms involved in visual orientation constancy. Day RH, et al. Psychol Bull 71:33-42, Jan 69
Sensory deprivation on visceral activity. II. The effect of auditory and vestibular deprivation on canine gastric secretion. Schapiro H, et al. Psychosom Med 32:515-21, Sep-Oct 70
Vestibulo-oculomotor organization: anatomical basis for certain vestibular influences on coordinated eye movements. Tarlov E. Trans Am Neurol Assoc 95:320-2, 1970
[Vestibulo-ocular reflex circuit. Summary of the results of new experimental and clinical researches. I] Krejčová H. Cesk Neurol 34:94-8, Mar 71 (Cze)
[Vestibulo-ocular reflex circuit. II] Krejčová H. Cesk Neurol 34:99-107, Mar 71 (Cze)
[Study of motor effects of vestibular electric stimulation in man] Bonnet M, et al. J Physiol (Paris) 63:15A-16A, Mar-Apr 71 (Fre)
[Influence, in the isolated brain cat, of nystagmus of labyrinthic origin on the activity of neurons of the anterior corpora quadrigemina] Crommelinck M, et al. J Physiol (Paris) 62:Suppl 3:363-3, 1970 (Fre)
[Functional characteristics of inhibitor nystagmic interneurons] Horcholle-Bossavit G, et al. J Physiol (Paris) 62:Suppl 3:390, 1970 (Fre)
[Evocation of vestibular nystagmus with a technic of conditioned reflexes having different chronological thresholds] Arslan M. Rev Laryngol Otol Rhinol (Bord) 91:880-3, Nov 70 (Fre)
[Problems posed by the threshold in pendular stimulation] Boussens J, et al. Rev Laryngol Otol Rhinol (Bord) 91:900-5, Nov 70 (Fre)
[The vestibular threshold during stimulation of the horizontal semicircular canals; a study during flying stationary and spiral turns] Clément P, et al. Rev Laryngol Otol Rhinol (Bord) 92:262-70, May-Jun 71 (Fre)
[Importance and clinical value of the study of the nystagmogenic threshold] Collard M. Rev Laryngol Otol Rhinol (Bord) 91:845-50, Nov 70 (Fre)
[The nystagmogenic threshold based on the pendulum rotatory method] Conraux C, et al. Rev Laryngol Otol Rhinol (Bord) 91:821-7, Nov 70 (Fre)
[Statistical problems posed by the determination of threshold in electronystagmography] Fondarai JA. Rev Laryngol Otol Rhinol (Bord) 91:770-8, Nov 70 (Fre)
[The automatic measurement of the rate of slow jerk of nystagmus. Equipment. Value for the study of reflectivity and nystagmus threshold] Greiner GF, et al. Rev Laryngol Otol Rhinol (Bord) 91:828-32, Nov 70 (Fre)
[The threshold of vestibular excitability in normal childhood (pendular method)] Guerrier Y, et al. Rev Laryngol Otol Rhinol (Bord) 91:881-99, Nov 70 (Fre)
[Selective research of threshold using by a pendular test] Guillen G. Rev Laryngol Otol Rhinol (Bord) 91:873-5, Nov 70 (Fre)
[Stereotaxic stimulation of the diencephalic nystagmogenic area and quantification of the nystagmic response] Huguenin S, et al. Rev Laryngol Otol Rhinol (Bord) 91:807-13, Nov 70 (Fre)
[Photic nystagmus and the problem of the threshold] Itin W. Rev Laryngol Otol Rhinol (Bord) 91:792-9, Nov 70 (Fre)
[Is the concept of threshold significant in the study of the optokinetic nystagmus?] Larmande A. Rev Laryngol Otol Rhinol (Bord) 91:779-91, Nov 70 (Fre)
[Observation levels of nystagmus or thresholds-values of the nystagmus phenomenon] Lehmann W. Rev Laryngol Otol Rhinol (Bord) 91:800-6, Nov 70 (Fre)
[Nystagmic threshold in galvanic stimulation in normal and pathological conditions] Menzio P, et al. Rev Laryngol Otol Rhinol (Bord) 91:853-9, Nov 70 (Fre)
[Threshold of sensory and motor reactions] Monnier M. Rev Laryngol Otol Rhinol (Bord) 91:757-66, Nov 70 (Fre)
[Threshold of nystagmus of angular acceleration or the vestibular nystagmus threshold] Montandon A. Rev Laryngol Otol Rhinol (Bord) 91:814-20, Nov 70 (Fre)
[Study of threshold. The threshold in pendular E.N.G. in normal subjects] Morgon A, et al. Rev Laryngol Otol Rhinol (Bord) 91:864-72, Nov 70 (Fre)
[Galvanic test: diagnostic importance of the liminal and supraliminal reactions] Pfaltz CR. Rev Laryngol Otol Rhinol (Bord) 91:835-44, Nov 70 (Fre)
[The nystagmic threshold in children given the pendular test] Van de Calseyde P, et al. Rev Laryngol Otol Rhinol (Bord) 91:876-80, Nov 70 (Fre)
[Nystagmographic registration of rotatory and optokinetic nystagmus in guinea pigs and its influencing by streptomycin sulfate and dimorpholamin] Shirabe S. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:206-14, 30 Jul 71 (Ger)
[Electromyographic studies on the influence of vestibular apparatus on the tonic activity of human striated muscles] Strobel H. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 198:187-205, 30 Jul 71 (Ger)
[Physiological viewpoints on the production of artificial gravity in a spacestation using centrifugal force] Grohmann R. HNO 19:50-1, Feb 71 (Ger)
[Systems analysis of optic-vestibular interaction in the perception of verticality] Bischof N, et al. Psychol Forsch 34:99-181, 1970 (Ger)
[Experiments with audiokinetic eye movements. 3. Audiokinetics and the vestibular organ] Ganz H, et al. Z Laryngol Rhinol Otol 50:482-95, Jun 71 (Ger)
[Influence of the position of the head in space on the habit of acceleratory nystagmus in rabbits] Castellini V, et al. Boll Mal Orecch Gola Naso 88:41-64, 1970 (Ita)
[Vestibular apparatus and complex accelerations. Further experimental electronystagmographic contribution] Caporale R, et al. Minerva Med 61:4201-7, 26 Sep 70 (Ita)
[Stimulation of the vestibular apparatus by square wave acceleration and the validity of Ewald's laws] Caporale R, et al. Minerva Med 61:4195-200, 26 Sep 70 (Ita)
[Acceleration field changes in various common amusements] Scano A. Minerva Med 61:4249-51, 26 Sep 70 (Ita)
[Changes of atmospheric pressure in the external auditory canal and ocular nystagmus caused by rotatory stimulation] Valenti S. Minerva Med 62:1277-81, 24 Mar 71 (Ita)
[Changes in the accelerative field in some common amusement-park devices and vehicles] Scano A. Riv Med Aeronaut Spaz 33:133-9, Jan-Mar 70 (Ita)
[Behavior of the cerebral bioelectric activity during and after opticokinetic stimulation. ENG and EEG study in animals (rabbits and dogs)] Megighian D, et al. Riv Otoneuroftalmol 44:269-80, Jul-Aug 69 (Ita)
[Variations of the opticokinetic post-nystagmus after physiological and pharmacological changes of the cerebral bioelectic activity. ENG and EEG study in man] Megighian D, et al. Riv Otoneuroftalmol 44:281-90, Jul-Aug 69 (Ita)
[Influence of linear and subliminal rotatory angular accelerations on optokinetic nystagmus] Tokunaga O. J Otolaryngol Jap 74:59-76, 20 Jan 71 (Jap)
[Reaction of the vestibular apparatus during transverse linear acceleration] Latkowski B, et al. Otolaryngol Pol 25:171-7, 1971 (Pol)
[Experimental data on the cortical projection of nystagmus] Deca A, et al. Otorinolaringologie 16:27-34, Jan-Feb 71 (Rum)
[The effect of changes in the position ofthe body in space on the muscle tonus of nborn infants] Antonova TG. Biull Eksp Biol Med 68:12-5, Aug 69 (Rus)
[Interoceptive effects on vestibular nystagmus] Dutov AM. Biull Eksp Biol Med 70:25-6, Nov 70 (Rus)
[Selectivity of vestibular adaptation to the direction of repeated angular acceleration] Shipov AA. Biull Eksp Biol Med 70:14-6, Aug 70 (Rus)
[Reactions of the neurons of the cat cerebellar nuclei to an adequate stimulation of the vestibular apparatus] Grigor'ian RA, et al. Dokl Akad Nauk SSSR 188:249-52, Sep-Oct 69 (Rus)
[Hydrodynamic effects between sections of the vestibular apparatus] Kisliakov VA, et al. Dokl Akad Nauk SSSR 198:479-82, 1971 (Rus)
[Projections of the vestibular apparatus cortical zone on the striopallidary complex] Kuleshova TF, et al. Dokl Akad Nauk SSSR 194:974-6, 1 Oct 70 (Rus)
[Reactions of cat respiratory neurons to an adequate stimulus of the vestibular apparatus] Radkevich LA, et al. Dokl Akad Nauk SSSR 184:1247-9, 11 Feb 69 (Rus)
[The effect of surface hypothermia on inhibitory processes in the vestibular analyzer] Bokhov BB, et al. Fiziol Zh SSSR 56:570-4, Apr 70 (Rus)
[Interaction of the semicircular canals and otoliths] Kisliakov VA, et al. Fiziol Zh SSSR 56:1731-44, Dec 70 (Rus)
[Characteristics of vestibular-optokinetic nystagmus] Kisliakov VA, et al. Fiziol Zh SSSR 57:380-92, Mar 71 (Rus)
[Changes in the bioelectrical activity in the visual system, and in the anterior ectosylvian region of the cat cortex in the presence of vestibular stimulation] Meshman VF. Fiziol Zh SSSR 56:1570-8, Nov 70 (Rus)
[Electronstagmographic characteristics of compensation processes in the vestibular system] Shipov AA. Fiziol Zh SSSR 56:895-900, 1970 (Rus)
[Electromyographic characteristics of the antagonistic muscles of the extremities upon adequate vestibular stimulation] Ufliand IuM, et al. Fiziol Zh SSSR 56:191-6, Feb 70 (Rus)
[Change in the speed of the vestibular compensation process in relation to the position of the head in space] Shipov AA, et al. Izv Akad Nauk SSSR [Biol] 5:873-8, Sep-Oct 70 (Rus)
[Cortical mechanisms of vestibular function] Gorgiladze GI. Usp Sovrem Biol 70:65-84, Jul-Aug 70 (180 ref.) (Rus)
[Frequency and duration of nystagmus in response to the action of angular accelerations of differing magnitudes] Savostin VA, et al. Vestn Otorinolaringol 32:63-7, Nov-Dec 70 (Rus)
[Vestibular reactions during wakefulness and sleep] Aslanian GG. Zh Eksp Klin Med 7:24-9, 1967 (Rus)
[Habituation of the vestibular apparatus to brief caloric stimulation of the rabbit labyrinth] Gorgiladze

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

GI, et al.
Zh Vyssh Nerv Deiat 20:1086-8, Sep-Oct 70 (Rus)
[Evaluation of the function of labyrinth from the viewpoint of traffic safety] Stefanović P, et al.
Med Glas 24:245-8, Jun 70 (Cro)

PHYSIOPATHOLOGY

Vestibular influences on internuclear ophthalmoplegia. Stroud MH, et al.
Ann Otol Rhinol Laryngol 80:42-5, Feb 71
Vestibular and non-dominant parietal lobe disorders. (Two aspects of spatial disorientation in man). Barlow JS. Dis Nerv Syst 31:667-73, Oct 70
Labyrinthine exercises in the treatment of diseases characterized by vertigo: their physiologic basis and methodology. McCabe BF.
Laryngoscope 80:1429-33, Sep 70
Vestibular-temporal lobe connections demonstrated by induced seizures. Cantor FK.
Neurology (Minneap) 21:507-16, May 71
Seizures evoked by vestibular stimuli. Cantor FK.
Neurology (Minneap) 20:380, Apr 70
Central compensation of vestibular dysfunction. I. Peripheral lesions. Pfaltz CR, et al.
Pract Otorhinolaryngol (Basel) 32:335-49, 1970
[Phenomenon of Tullio and cochleo-vestibular interactions] Hadj-Djilani A.
Pract Otorhinolaryngol (Basel) 33:115-20, 1971 (Fre)
[Cochleo-vestibular data at different stages of multiple sclerosis. Apropos of 100 cases] Collard M, et al.
Rev Otoneuroophtalmol 41:374-8, Nov 69 (Fre)
[Aspects of pendular electronystagmography in multiple sclerosis. Value of simultaneous consideration of excitability thresholds and adaptability slopes] Henin J, et al.
Rev Otoneuroophtalmol 43:75-7, Mar 71 (Fre)
[On the problem of the occurrence of glaucoma and cochlear vestibular disorders at the same time] Vick HP, et al.
Acta Ophthalmol (Kbh) 48:349-56, 1970 (Ger)
[Vestibular function disorders in idiopathic facial paralysis (problems of localization and compensation)] Robert F, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:183-92, 1970 (Ger)
[Influence of neuro-diagnostic interventions on the function of the vestibular apparatus] Skurczynski W.
HNO 17:265-8, Sep 69 (Ger)
[Reversible nonfunctioning of the vestibular apparatus following gentamicin] Witzel L.
Munch Med Wochenschr 112:Suppl 52:2, 25 Dec 70 (Ger)
[Influence of vestibular lesions on space orientation] Friedmann G.
Z Laryngol Rhinol Otol 50:370-5, May 71 (Ger)
[Vertebro-basilar insufficiency and the vestibular apparatus] Dufour A, et al.
Arch Ital Otol 81:67-74, Mar-Apr 70 (Ita)
[Cochleo-vestibular changes in gestosis] Sartoris A, et al. Minerva Otorinolaringol 21:23-9, Jan-Feb 71 (Ita)
[On the clinical and etiopathogenetic interpretation of acute bulbar nucleo-reticular vestibular syndromes] Scolari R. Otorinolaringol Ital 37:347-64, Aug 69 (Ita)
[Vestibular function after surgical treatment of otosclerosis] Caporale R, et al.
Valsalva 46:251-61, Dec 70 (Ita)
[On vestibular reflectivity in patients affected by Addison's disease] Celestino D, et al.
Valsalva 45:6-14, Feb 69 (Ita)
[Examination of the hearing, the vestibular system functions, taste and olfactory systems in patients with disseminated sclerosis] Wender M, et al.
Neurol Neurochir Pol 5:179-84, 1971 (Pol)
[Functional characteristics of preschool children with poor hearing and the effect of physical training on their development] Belostotskaia EM, et al.
Gig Sanit 35:24-8, Sep 70 (Rus)
[Functional state of the hearing and vestibular analyzers in weavers with professional hearing disorders and their significance in work disability evaluation] Solomonov EV.
Vestn Otorinolaringol 32:21-5, Jul-Aug 70 (Rus)
[Pendular vestibular exploration and electronystagmography in perception deafness] Alcoholado Lozano A.
Acta Otorinolaryngol Iber Am 21:589-622, 1970 (Spa)

RADIATION EFFECTS

[The effect of the radiosensitivity of an organism on the nature of functional changes in the vestibular analyzer following subjection to ionizing radiation] Farber IuV, et al.
Biull Eksp Biol Med 65:51-3, Apr 68 (Rus)
[Functional condition of the visual and vestibular analyzers in workers exposed to small doses of ionizing radiation] Medvedovskaia TsP, et al.
Gig Tr Prof Zabol 14:44-6, Sep 70 (Rus)

RADIOGRAPHY

[Tomography of the canaliculus vestibuli] Wilbrand H.
Nord Med 85:631, 20 May 71 (Swe)

SURGERY

[Covering of the oval window using a silicon air prosthesis. (Preliminary report)] Novotný Z.
Cesk Otolaryngol 19:243-9, Dec 70 (Cze)
[Transvestibular surgery] Alvarez de Cozar F, et al.
Rev Laryngol Otol Rhinol (Bord) 91:927-35, Nov-Dec 70 (Fre)
[Some remarks and long-term results concerning M. Portmann's stapedo-vestibular interposition] Zdravkoff T.
Rev Laryngol Otol Rhinol (Bord) 90:288-91, May-Jun 69 (Fre)

VESTIBULAR FUNCTION TESTS (E1)

Vestibular nystagmus--a differential reaction. Fluur E, et al. Acta Otolaryngol (Stockh) 71:299-302, Apr 71
Use of triangular waveforms of angular velocity in the study of vestibulbar function. Guedry FE Jr, et al.
Acta Otolaryngol (Stockh) 71:439-48, Jun 71
A quantitative study of vestibular adaptation in humans. Malcolm R, et al.
Acta Otolaryngol (Stockh) 70:126-35, Aug 70
Comparative study of the rotatory vestibular nystagmus thresholds obtained by means of constant or sinusoidal angular acceleration. Preliminary report. Montandon A, et al.
Acta Otolaryngol (Stockh) 71:273-7, Feb-Mar 71
The hyperactive vestibular response. Torok N.
Acta Otolaryngol (Stockh) 70:153-62, Sep 70
Light-induced and spontaneous variations in the amplitude of the electro-oculogram. Aantaa E.
Acta Otolaryngol [Suppl] (Stockh) 267:Suppl 267:1+, 1970
Interpretation of variations in nystagmogram in consequence of central influences during oscillation on a torsion swing. Clemens A, et al.
Acta Otorhinolaryngol Belg 24:381-7, 1970
Reliability and validity of the brief vestibular disorientation test compared under 10-RPM and 15-RPM conditions. Ambler RK, et al.
Aerosp Med 42:186-9, Feb 71
The significance of spontaneous and positional nystagmus recorded by electronystagmography as an independent test. Eviatar A, et al.
Ann Otol Rhinol Laryngol 79:1117-28, Dec 70
The torsion swing as a vestibular test. Eviatar A.
Arch Otolaryngol 92:437-44, Nov 70
Corneal-retinal potential behind closed eyelids. Hetter GP. Arch Otolaryngol 92:433-6, Nov 70
The otoliths and the ocular countertorsion reflex. Nelson JR, et al. Arch Otolaryngol 94:40-50, Jul 71
Electronystagmography in cranial trauma. Gabersek V, et al.
Electroencephalogr Clin Neurophysiol 29:530, Nov 70
Torsion swing and galvanic test. Comparative evaluation of two neglected vestibular tests. Martin N, et al. Eye Ear Nose Throat Mon 49:458-64, Oct 70
Stepping test. Spector M.
Eye Ear Nose Throat Mon 49:406-8, Sep 70
Value of caloric tests in cases of vertigo. Sagar PC, et al.
Indian J Med Sci 24:498-505, Aug 70
The clinical significance of 'directional preponderance' concluded by electronystagmography. Eviatar A, et al.
J Laryngol Otol 85:355-67, Apr 71
Clinical electronystagmography. Hooper RE, et al.
J Laryngol Otol 85:23-33, Jan 71
A method of vestibular analysis. Wilmot TJ.
J Laryngol Otol 84:1033-47, Oct 70
Simultaneous bilateral bithermal caloric stimulation in electronystagmography. Brookler KH.
Laryngoscope 81:1014-9, Jul 71
Cold caloric test in altered states of consciousness. Jadhav WR, et al. Laryngoscope 81:391-402, Mar 71
Nystagmus arousal during the latent period of caloric nystagmus. Rubin W, et al.
Laryngoscope 81:524-8, Apr 71
Phase lag in periodic Coriolis star nystagmus. Valentinuzzi M. Med Biol Eng 8:559-74, Nov 70
Nystagmus and brain lesions. Ghosh P, et al.
Neurol India 18:236-40, Dec 70
Central compensation of vestibular dysfunction. I. Peripheral lesions. Pfaltz CR, et al.
Pract Otorhinolaryngol (Basel) 32:335-49, 1970
A consideration on the extent of lesion in the labyrinth of sudden deafness. Kirikae I, et al.
Rev Laryngol Otol Rhinol (Bord) 90:637-47, Nov-Dec 69
Computer analysis of vestibular nystagmus in cats. Katz RD, et al. Surg Forum 21:487-8, 1970
Comparison of electronystagmographic recordings in patients with vertigo and Parkinson's disease. Dolowitz DA, et al.
Trans Pac Coast Otoophthalmol Soc 50:303-14, 1969 (19 ref.)
[Nystagmus and prolonged continuous acceleration] Boniver R.
Acta Otorhinolaryngol Belg 24:797-802, 1970 (Fre)
[Electronystagmographic study of vertebrobasilar insufficiency] Bosch J.
Acta Otorhinolaryngol Belg 24:418-25, 1970 (Fre)
[Qualitative and quantitative influence of mental activity on caloric nystagmus] Clement PA, et al.
Acta Otorhinolaryngol Belg 24:409-17, 1970 (Fre)
[Electronystagmography in children] Conraux C, et al.
Acta Otorhinolaryngol Belg 24:363-9, 1970 (Fre)
[Vestibular apparatus in severely deaf children: comparative electronystagmographic study] Eeckhaut J van den, et al.
Acta Otorhinolaryngol Belg 24:426-42, 1970 (Fre)
[Nystagmographic characteristics of vestibular habituation to various stimulations] Hahn R.
Acta Otorhinolaryngol Belg 24:405-8, 1970 (Fre)
[Application, to normal and sick subjects, of a relation linking nystagmus jerk frequency and accleration during rotatory stimulation with sinusoid acceleration] Kaphan G, et al.
Acta Otorhinolaryngol Belg 24:746-57, 1970 (Fre)
[Induced nystagmus of long duration and its symptomatic value] Montandon A, et al.
Acta Otorhinolaryngol Belg 24:388-93, 1970 (Fre)
[Photoelectronystagmography: clinical application and diagnostic value in the context of the galvanic test] Pfaltz CR.
Acta Otorhinolaryngol Belg 24:394-404, 1970 (Fre)
[Electronystagmographic study of incipient multiple sclerosis] Belkahia A, et al.
Ann Otolaryngol Chir Cervicofac 87:573-80, Sep 70 (Fre)
[Use of a numerical treatment unit in electronystagmography] Loth D, et al.
Ann Otolaryngol Chir Cervicofac 88:85-93, Jan-Feb 71 (Fre)
[Study of optokinetic nystagmus in otoneurology] Maspétiol R, et al.
Ann Otolaryngol Chir Cervicofac 85:5-20, Jan-Feb 68 (Fre)
[Electronystagmographic exploration in children] Guerrier Y, et al.
J Fr Otorhinolaryngol 18:871-82, Nov 69 (Fre)
[Source of unrecognized error in vestibulometry: spontaneous hidden pseudo-vestibular nystagmus of ophthalmologic origin] Michel J, et al.
J Fr Otorhinolaryngol 19:707-8 passim, Nov 70 (Fre)
[Value of the study of spontaneous nystagmus and position nystagmus. Concept of captive nystagmus. Liberation technics] Michel J, et al.
J Fr Otorhinolaryngol 19:639-43, Oct 70 (Fre)
[Contribution of electronystagmography to the diagnosis of vestibular diseases] Piquet JJ.
Lille Med 16:77-9, 1971 (Fre)
[Current clinical vestibulometry and its uses in otological practice] Montandon A.
Otorinolaringologie 16:205-6, May-Jun 71 (Fre)
[Diagnostic value of giratory stimulations for rotatory postnystagmus] Batchvarov NK.
Rev Laryngol Otol Rhinol (Bord) 90:233-40, May-Jun 69 (Fre)
[Problems posed by the threshold in pendular stimulation] Boussens J, et al.
Rev Laryngol Otol Rhinol (Bord) 91:900-5, Nov 70 (Fre)
[Mathematic correlation between nystagmus and stimulus] Briand C, et al.
Rev Laryngol Otol Rhinol (Bord) 90:23-9, Jan-Feb 69 (Fre)
[Electronystagmography in children without any symptomatology of vestibular nature treated for language disorders] Briand C.
Rev Laryngol Otol Rhinol (Bord) 92:55-7, Jan-Feb 71 (Fre)
[Importance and clinical value of the study of the nystagmogenic threshold] Collard M.
Rev Laryngol Otol Rhinol (Bord) 91:845-50, Nov 70 (Fre)
[Directional preponderance and stimulation by prolonged angular acceleration (1 degree-s2)] Demanez JP, et al.
Rev Laryngol Otol Rhinol (Bord) 92:43-54, Jan-Feb 71 (Fre)
[Electronystagmographic and etiopathogenic findings on 5 cases of spontaneous alternating nystagmus] Dufour A, et al.
Rev Laryngol Otol Rhinol (Bord) 91:1009-17, Nov-Dec 70 (Fre)
[The latent interval during the thermal tests in electronystagmography] Gabersek V, et al.
Rev Laryngol Otol Rhinol (Bord) 92:256-7, May-Jun 71 (Fre)
[Value of the pendular test in the study of vestibular compensation. Problem of the threshold] Hadj-Djilani A, et al.
Rev Laryngol Otol Rhinol (Bord) 92:241-7, May-Jun 71 (Fre)
[Nystagmic threshold in galvanic stimulation in normal and pathological conditions] Menzio P, et al.
Rev Laryngol Otol Rhinol (Bord) 91:853-9, Nov 70 (Fre)
[Determination of a threshold of a spontaneous nystagmus by the liminal gyratory test] Montandon A, et al.
Rev Laryngol Otol Rhinol (Bord) 91:906-10, Nov 70 (Fre)
[Electronystagmographic exloration of spontaneous nystagmus] Olaizola Gorbea F, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Rev Laryngol Otol Rhinol (Bord) 91:996-1008, Nov-Dec 70 (Fre)
[New possibilities of analysis in electronystagmography] Panzini M, et al.
Rev Laryngol Otol Rhinol (Bord) 91:973-95, Nov-Dec 70 (Fre)
[The nystagmic response and threshold in the very young child] Picart P, et al.
Rev Laryngol Otol Rhinol (Bord) 92:258-61, May-Jun 71 (Fre)
[Method of assessment of vestibular function in drivers] Radziminski A, et al.
Rev Laryngol Otol Rhinol (Bord) 91:940-3, Nov-Dec 70 (Fre)
[Electronystagmography and the practitioner] Secrétan JP.
Rev Laryngol Otol Rhinol (Bord) 92:248-9, May-Jun 71 (Fre)
[The nystagmic threshold in children given the pendular test] Van de Calseyde P, et al.
Rev Laryngol Otol Rhinol (Bord) 91:876-80, Nov 70 (Fre)
[Electronystagmography in cranial trauma] Gabersek V, et al. Rev Neurol (Paris) 122:398-403, Jun 70 (Fre)
[Optokinetic test: oblique responses] Ghiloni H, et al.
Rev Neurol (Paris) 122:516-9, Jun 70 (Fre)
[Contribution of electronystagmography to otoneurology] Pialoux P, et al.
Rev Neurol (Paris) 123:447-51, Dec 70 (Fre)
[Automatic measurement of parameters in clinical vestibulometry] Rohmer F, et al.
Rev Neurol (Paris) 124:160-2, Feb 71 (Fre)
[Mumps deafness and vertigo. Contribution of electronystagmography] Calvet J, et al.
Rev Otoneuroophtalmol 40:450-2, Dec 68 (Fre)
[Pseudotumor cerebri and the vestibular apparatus] Cocchini F, et al.
Rev Otoneuroophtalmol 43:313-5, Sep-Oct 70 (Fre)
[Cochleo-vestibular diagnosis of neurinoma of the acoustic nerve] Pialoux P.
Rev Otoneuroophtalmol 42:341-6, Sep-Oct 70 (Fre)
[Contribution of electronystagmography to the diagnosis of spasmophilia] Bertoni R, et al.
Sem Hop Paris 47:633-6, 28 Feb 71 (Fre)
[Vestibular disorders in medical practice] Montandon A. Ther Umsch 28:142-7, Mar 71 (Fre)
[The dependance of thermic nystagmus on temperature changes in the horizontal semicircular canals] Kleinfeldt D, et al.
Acta Otolaryngol (Stockh) 70:136-41, Aug 70 (Ger)
[An equilibrium examination with aid of cranicorpography and polarcoordinates in space] Claussen CF.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:256-61, 1970 (Ger)
[The rotatory intensity damping test and its evaluation using the L-scheme] Claussen CF.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:351-60, 1971 (Ger)
[The 2d per-rotatory nystagmus phase. A diagnostic criterium?] Ganz H, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:348-51, 1970 (Ger)
[Influencing of the rotation perception with a different acceleration of rotating noise] Wirth G.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:252-6, 1970 (Ger)
[Experimental studies on the training ability of the labyrinth functions of healthy persons of different age] Schöder HJ, et al. HNO 17:78-80, Mar 69 (Ger)
[Clinical importance of spontaneous and induced nystagmus with vertical direction components] Westernhagen B von. HNO 17:269-70, Sep 69 (Ger)
[Internuclear ophthalmoplegia. A nystagmographic analysis] Kommerell G.
Klin Monatsbl Augenheilkd 158:349-58, Mar 71 (Ger)
[Vestibular habitation] Albert HH von.
Klin Wochenschr 49:121-4, Feb 71 (Ger)
[Calculation methods for the maximum angular velocity of the slow phase and the maximal amplitude in electronystagmogram] Latkowski B.
Monatsschr Ohrenheilkd Laryngorhinol 105:57-60, Feb 71 (Ger)
[Electronystagmographic studies on the relations between the extent of the vestibular reaction and the distance of the head from the rotation axis] Radziminski A, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:156-61, 1970 (Ger)
[Vestibular function after neuronitis vestibularis] Skurczynski W, et al.
Monatsschr Ohrenheilkd Laryngorhinol 104:445-50, 1970 (Ger)
[Nystagmus studies with pendulum stimulation after unilateral labyrinth failure. A contribution to the question of central compensation of peripheral disturbances] Boenninghaus HG, et al.
Z Laryngol Rhinol Otol 49:623-33, Oct 70 (Ger)
[Direction preponderance downwards in the gazetest] Claussen CF.
Z Laryngol Rhinol Otol 50:68-77, Jan 71 (Ger)
[Craniocorpography (CCG) a simple photo-optic registration method for vestibulo-spinal reactions] Claussen CF.
Z Laryngol Rhinol Otol 49:634-9, Oct 70 (Ger)
[Caloric-pendulum-interference-test (CPIT). II. Possibilities of retino-ocular and vestibulo-ocular interference, demonstrated in clinical cases] Claussen CF.
Z Laryngol Rhinol Otol 49:325-32, May 70 (Ger)
[Pattern of labyrinthy vestibulometry and sound threshold audiometry in labyrinth disorders] Claussen CF, et al.
Z Laryngol Rhinol Otol 49:481-9, Aug 70 (Ger)
[New ways of rationalization, evaluation and documentation in vestibulometry] Claussen CF.
Z Laryngol Rhinol Otol 50:524-32, Aug 71 (Ger)
[Diagnostic possibilities with binocular lead of electronystagmogram] Jungmayr H.
Z Laryngol Rhinol Otol 50:286-92, Apr 71 (Ger)
[Objective vestibular examination] Theissing J.
Z Laryngol Rhinol Otol 49:477-80, Aug 70 (Ger)
[Reciprocal influencing of kinesthesia due to acoustic and vestibular stimulation] Wirth G.
Z Laryngol Rhinol Otol 50:60-7, Jan 71 (Ger)
[Stapedectomy and vestibular function] Conti A, et al.
Arch Ital Otol 80:505-28, Nov-Dec 69 (Ita)
[Vertebro-basilar insufficiency and the vestibular apparatus] Dufour A, et al.
Arch Ital Otol 81:67-74, Mar-Apr 70 (Ita)
[Recording with amplifiers using continuous and alternating current in electronystagmographic practice] Pignataro O, et al.
Arch Ital Otol 81:136-42, May-Jun 70 (Ita)
[A new apparatus for sensitized labyrinth tests] Ballesio PL, et al.
Clin Otorinolaringoiatr 20:451-7, Nov-Dec 68 (Ita)
[Vestibular changes with sudden appearance in frogmen] Castellini V, et al.
G Ig Med Prev 11:81-92, Jan-Jun 70 (Ita)
[Electronystagmorgraphic and ophthalmodynamographic findings after anesthetic block of stellate ganglion in patients with vertigo syndromes] Galetti G, et al.
Minerva Otorinolaringol 19:75-86, Mar-Apr 69 (Ita)
[On the electronystagmographic method for interpretation of the characteristics of nystagmus] Koch C.
Riv Med Aeronaut Spaz 33:159-67, Jan-Mar 70 (Ita)
[Movement of the capula of the semicircular apparatus by rotatory stimulation in the pigeon] Kuwashima R.
J Otolaryngol Jap 74:755-66, Apr 71 (Jap)
[Clinical observations on the galvanic vestibular test by means of photo electronystagmography] Takashima M. J Otolaryngol Jap 74:77-92, 20 Jan 71 (Jap)
[Some problems in the static function test. 1. Placing of body weight at the Mann's test] Honjo S, et al. Otolaryngology (Tokyo) 42:897-903, Nov 70 (Jap)
[Application of electronystagmography] Katagiri S, et al. Otolaryngology (Tokyo) 43:419-23, Jun 71 (Jap)
[Clinical significance of photoelectronystagmography] Takashima M, et al.
Otolaryngology (Tokyo) 43:297-303, Apr 71 (Jap)
[Optokinetic pattern test in children] Takemori S, et al. Otolaryngology (Tokyo) 43:3-10, Jan 71 (Jap)
[ngle of displacement in the stepping test] Yasuda K. Otolaryngology (Tokyo) 42:1013-6, Dec 70 (Jap)
[Attempt at the electronystagmographic localization of peripheral and central lesions of the vestibular apparatus] Latkowski B.
Otolaryngol Pol 25:31-8, 1971 (Pol)
[Evaluation of the Barany test in electronystagmography] Latkowski B, et al.
Otolaryngol Pol 25:39-42, 1971 (Pol)
[Nomogram for measuring the speed of the slow phase of nystagmus] Sowa J, et al.
Otolaryngol Pol 24:707-10, 1970 (Pol)
[Asymmetry of the optokinetic nystagmus] Ukleja Z, et al. Otolaryngol Pol 24:597-604, 1970 (Pol)
[Usefulness of electronystagmography in neurologic diagnosis] Radziminski A, et al.
Pol Tyg Lek 26:536-8, 5 Apr 71 (10 ref.) (Pol)
[Clinical studies of the electric activity of the vestibular system (at rest)] Majczak A.
Psychiatr Pol 4:533-30, 1970 (Pol)
[A method of studying vestibular function in rats] Vofnova II. Biull Eksp Biol Med 66:121-3, Sep 68 (Rus)
[Relationship between vestibular excitability indices in mechanical and caloric stimuli in healthy persons] Tulkin VN.
Vestn Otorinolaringol 32:84-8, Sep 70 (Rus)
[Determination of vestibulo-autonomic stability on the basis of nystagmus] Sidel'nikov IA.
Voen Med Zh 12:49-51, Dec 70 (Rus)
[Determination of the reactivity of vestibular analyzer using nystagmus data] Markarian SS, et al.
Zh Ushn Nos Gorl Bolezn 30:24-9, Jul-Aug 70 (Rus)
[Pendular vestibular exploration and electronystagmography in perception deafness] Alcoholado Lozano A.
Acta Otorinolaryngol Iber Am 21:589-622, 1970 (Spa)
[Comparative results of the caloric test and the pendular test] Capelli G, et al.
Acta Otorinolaryngol Iber Am 21:241-50, 1970 (Spa)
[Electronystagmographic data in phased sinusoidal rotatory tests] Calseyde P van de, et al.
Acta Otorhinolaryngol Belg 24:319-56, 1970 (Mul)

INSTRUMENTATION

An improved version of the torsion-swing chair. Janeke CE, et al. Ann Otol Rhinol Laryngol 80:229-32, Apr 71
[Automatic regulator of temperature and water dosimeter for caloric investigation of the vestibular analyser function] Uchytil B.
Cesk Otolaryngol 20:43-5, Feb 71 (Cze)
[Choice of amplifier for better recording of vestibular responses] Laurent JG, et al.
Ann Otolaryngol Chir Cervicofac 88:135-41, Mar 71 (Fre)
[Use of a caloric stimulator with output and temperature controls in electronystagmography] Pietruski J, et al.
Ann Otolaryngol Chir Cervicofac 88:95-8, Jan-Feb 71 (Fre)
[Modern electric rotation-chair installation for experimental examination of balance organs] Haberland EJ, et al.
Z Aerztl Fortbild (Jena) 65:9-12, 1 Jan 71 (Ger)
[Device for recording the changing velocities of rotation during study of the vestibular apparatus] Bogdanov RS. Fiziol Zh SSSR 56:1500-2, Oct 70 (Rus)
[Modern vestibulometric chairs and stands for objective study and training of the vestibular analyzer function] Markarian SS.
Izv Akad Nauk SSSR [Biol] 5:643-59, Sep-Oct 70 (Rus)
[Universal portable chair for rotation] Fomin VS.
Vestn Otorinolaringol 32:93, Jul-Aug 70 (Rus)
[Electrorotatory chair] Kopanev SI.
Voen Med Zh 10:64-5, Oct 70 (Rus)

STANDARDS

[Precision evaluation in various caloric test technics for examination of the vestibular apparatus] Uchytil B, et al. Cesk Otolaryngol 19:250-6, Dec 70 (Cze)

VESTIBULAR NERVE (A8)

[A new method for differential diagnosis of peripheral lesions and central lesions of the vestibulo-oculomotor pathways] Corvera J, et al.
Rev Laryngol Otol Rhinol (Bord) 89:817-42, Nov-Dec 68 (Fre)
[Therapeutic vestibular habituation in vestibular neuronitis] Haake K, et al.
Z Aerztl Fortbild (Jena) 63:1282-4, 15 Dec 69 (Ger)
[Diagnostic evaluation of tumor of the 8th nerve (Von Recklinghausen's disease) by cochlear electric responses] Oashi T.
J Otolaryngol Jap 74:244-54, Feb 71 (Jap)
[Retrocochlear deafness. I. Deafness caused by neurinoma of the 8th cranial nerves] Tapia Hernando RG, et al.
Minerva Otorinolaringol 21:47-50, Mar-Apr 71 (Spa)

ANATOMY & HISTOLOGY

[Studies on the localization of the centers of the efferent fibers of the vestibular portion of the vestibulocochlear nerve in the brain stem in the dog] Zimny R, et al.
Folia Morphol (Warsz) 29:445-64, 1970 (Pol)

PATHOLOGY

Vestibular neuronitis. Morgenstein KM, et al.
Laryngoscope 81:131-9, Jan 71

PHYSIOLOGY

Alterations of round window recorded N1 by selective sections of the cochlear and vestibular nerves. Daigneault EA, et al.
Acta Otolaryngol (Stockh) 70:254-9, Oct 70
Vestibular nerve response to pressure changes in the external auditory meatus of the guinea pig. Parker DE, et al. Acta Otolaryngol (Stockh) 71:456-61, Jun 71
A study of the current spread on electric stimulation of the individual utricular and ampullary nerves. Tokumasu K, et al.
Acta Otolaryngol (Stockh) 71:313-8, Apr 71
The effect of temperature differentials upon the differentiation of Mauthner's cell in Ambystoma. Piatt J. Anat Rec 169:41-3, Jan 71
Dissociation of presynaptic and postsynaptic effects produced in the lumbar cord by vestibular volleys. Barnes CD, et al. Arch Ital Biol 108:295-324, Apr 70
Vestibular and somatosensory evoked centrifugal cutaneous nerve discharges in the decerebrate-decerebellate phalanger, Trichosurus vulpecula. Megirian D.
Arch Ital Biol 109:153-65, Jun 71
Inhibitory postsynaptic potentials in the abducens motoneurons associated with the quick relaxation phase of vestibular nystagmus. Maeda M, et al.
Brain Res 28:430-4, 5 Mar 71
Some effects on vestibulo-spinal outflow at lumbosacral levels from neck muscle afferents. Abrahams VC. J Physiol (Lond) 215:49P-50P, May 71
[Aspects of the vestibulospinal reflex and its

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

registration] Njiokiktjien C, et al.
Ned Tijdschr Geneeskd 115:217-8, 30 Jan 71 (Dut)
[Efferent activity of ampullar nerves obtained by stimulation of the horizontal semicircular canals in frogs] Caston J.
J Physiol (Paris) 62:Suppl 3:356, 1970 (Fre)
[Influence of the utricle and efferent vestibular activity on spontaneous afferent activity of the nerves of the horizontal canal and anterior vertical canal in the frog] Caston J.
J Physiol (Paris) 62:407-20, Sep-Oct 70 (Fre)
[Correlation between the E.N.G. and the electric activity of the vestibular nerve in men] Ehrenberger K.
Rev Laryngol Otol Rhinol (Bord) 91:767-9, Nov 70 (Fre)
[Dissociation of presynaptic and postsynaptic responses produced in the lumbar spinal cord by vestibular stimuli] Barnes GD, et al.
Boll Soc Ital Biol Sper 46:203-6, 28 Feb 70 (Ita)
[Corticifugal and cerebellofugal modulation of vestibulocortical responses in the cat] Mingrino S, et al. Boll Soc Ital Biol Sper 46:596-7, 15 Jul 70 (Ita)
[Electrophysiological studies of the specific pathways and areas of vestibulo-cortical projection in the cat] Molinari GA, et al.
Boll Soc Ital Biol Sper 46:593-5, 15 Jul 70 (Ita)
[Experimental data on the cortical projection of nystagmus] Deca A, et al.
Otorinolaringologie 16:27-34, Jan-Feb 71 (Rum)
[Reactions of single elements of the frog vestibular nerve to deflections of the cupula] Orlov IV.
Dokl Akad Nauk SSSR 190:736-9, 21 Jan 70 (Rus)

PHYSIOPATHOLOGY

Central compensation of vestibular dysfunction. I. Peripheral lesions. Pfaltz CR, et al.
Pract Otorhinolaryngol (Basel) 32:335-49, 1970

SURGERY

Neurectomy of the vestibular nerve. Surgical technique: indications and results obtained in 70 cases. Fisch U.
Rev Laryngol Otol Rhinol (Bord) 90:661-72, Nov-Dec 69
[Angles of incidence in some anatomical studies of the routes of surgical approach to the internal auditory canal] Cohadon F, et al.
Rev Laryngol Otol Rhinol (Bord) 89:543-58, Nov-Dec 68 (Fre)
[Section of the vestibular nerve in the internal auditory meatus for severe vertiginous syndrome] Bocca E, et al. Valsalva 45:1-5, Feb 69 (Ita)

VESTIBULAR NUCLEI (A8)

[On the clinical and etiopathogenetic interpretation of acute bulbar nucleo-reticular vestibular syndromes] Scolari R. Otorinolaringol Ital 37:347-64, Aug 69 (Ita)

ANALYSIS

Effect of hemicerebellectomy upon the cytochemistry of neurons in the lateral vestibular nucleus. II. Effects on RNA content and succinoxidase activity in Deiters' neurons after warm and cold water irrigation. Blomstrand C, et al.
Acta Otolaryngol (Stockh) 70:163-6, Sep 70

ANATOMY & HISTOLOGY

Organization of vestibulo-oculomotor projections in the cat. Tarlov E. Brain Res 20:159-79, 3 Jun 70
[Anatomical studies on the correlations of the axonal prolongations of the neurons of the spiral ganglion of Corti in the ventral cochlear nucleus (nucleus magnocellularis) of the guinea pig] Trevisi M, et al.
Arch Ital Anat Embriol 75:37-48, 1970 (Ita)

CYTOLOGY

[Shape and volume of Deiter's nucleus neurons in the rat] Persina IS.
Dokl Akad Nauk SSSR 190:699-702, 21 Jan 70 (Rus)

DRUG EFFECTS

Effects of belladonna alkaloids on vestibular nucleus of the cat. Jaju BP, et al. Am J Physiol 219:1248-55, Nov 70
Drug effects on the medial vestibular nucleus. Sekitani T, et al. Arch Otolaryngol 93:581-9, Jun 71
GABA and inhibition of Deiters' neurones. Curtis DR, et al. Brain Res 23:117-20, 29 Sep 70
[The effect of corazole, trimetin and diphenin on the postsynaptic potentials of motor neurons upon suprasegmental stimulation] Shapovalov AI, et al.
Biull Eksp Biol Med 66:74-9, 1968 (Rus)

ENZYMOLOGY

Glutamate decarboxylase in inhibitory neurons. A study of the enzyme in Purkinje cell axons and boutons in the cat. Fonnum F, et al.
Brain Res 20:259-75, 3 Jun 70
[Lactic dehydrogenase isoenzymes of neurons and neuroglia of the lateral vestibular nucleus of the rabbit brain stem] Aleksidze NG, et al.
Dokl Akad Nauk SSSR 190:972-4, Feb 70 (Rus)

GROWTH & DEVELOPMENT

The growth in vitro of new processes from vestibular neurons isolated from adult and young rabbits. Hillman H, et al. Exp Cell Res 50:315-22, May 68

METABOLISM

[Effect of potassium ions on the respiration of the neurons and neuroglia of the lateral vestibular nucleus in rabbits] Aleksidze NG, et al.
Dokl Akad Nauk SSSR 186:1429-30, 27 Jun 69 (Rus)
[Effect of sound stimulation on the level and nucleotide composition of neuronal RNA from the Deiters' vestibular nucleus of the brain of rats from 2 lines] Maksimovskif LF.
Tsitologiia 12:887-93, Jul 70 (Rus)

PATHOLOGY

A somatotopical pattern in the human lateral vestibular nucleus. Loken AC, et al. Arch Neurol 23:350-7, Oct 70

PHYSIOLOGY

Single semicircular canals and Deiter's nucleus. Desole C, et al. Arch Int Physiol Biochim 78:153-6, Feb 70
Vestibular influences on postural activity in frog. Barale F, et al. Arch Ital Biol 109:27-36, Apr 71
Effects of muscle afferents on brain stem reticular and vestibular units. Barnes CD, et al.
Brain Res 25:179-83, 8 Jan 71
A study of the synaptic input to Deiters' neurones evoked by stimulation of peripheral nerves and spinal cord. Bruggencate GT, et al.
Brain Res 25:207-11, 8 Jan 71
Effects from the vestibulospinal tract on the contralateral hindlimb motoneurones in the cat. Hongo T, et al. Brain Res 31:220-3, 7 Aug 71
Contribution of mossy fiber-granule cell pathway to the cerebellar-induced delayed inhibition in Deiters neurones. Ito M, et al. Exp Brain Res 12:223-37, 1971
Further study on pharmacological properties of the cerebellar-induced inhibition of deiters neurones. Obata K, et al. Exp Brain Res 11:327-42, 26 Nov 70
Distribution of neural responses to tilting within vestibular nuclei of the cat. Peterson BW.
J Neurophysiol 33:750-67, Nov 70
Response of semicircular canal dependent units in vestibular nuclei to rotation of a linear acceleration vector without angular acceleration. Benson AJ, et al.
J Physiol (Lond) 210:475-94, Sep 70
Characteristics of neural transmission from the semicircular canal to the vestibular nuclei of cats. Jones GM, et al. J Physiol (Lond) 209:295-316, Aug 70
Rhesus monkey vestibular cortex: a bimodal primary projection field. Schwarz DW, et al.
Science 172:280-1, 16 Apr 71
Vestibulo-oculomotor organization: anatomical basis for certain vestibular influences on coordinated eye movements. Tarlov E.
Trans Am Neurol Assoc 95:320-2, 1970
[Orthodromic transmission of vestibular impulses through Deiter's nucleus during sleep and wakefulness] Ghez C, et al.
Boll Soc Ital Biol Sper 46:766-8, 30 Sep 70 (Ita)
[Interrelations of vestibular nuclei in the cat medulla oblongata] Gorgiladze GI.
Dokl Akad Nauk SSSR 185:1182-5, 11 Apr 69 (Rus)
[Convergence of afferent influences on neurons of the pigeon vestibular nuclei] Bafko VP, et al.
Fiziol Zh SSSR 57:403-9, Mar 71 (Rus)
[The relation between various brain stem structures and the vasomotor center] Smirnov KA.
Fiziol Zh SSSR 56:359-65, Mar 70 (Rus)
[A comparative analysis of participation by the caudal and rostral parts of the brain stem in the genesis of cortical synchronization] Gil'man IM.
Zh Vyssh Nerv Deiat 20:585-93, Jul-Aug 70 (Rus)

PHYSIOPATHOLOGY

Central eye nystagmus and vestibular nuclei. Giretti ML, et al. Arch Int Physiol Biochim 78:553-5, Aug 70

VESTIBULOPLASTY see under SURGERY, ORAL

(E4, E6, G2)

VETERANS ADMINISTRATION see UNITED STATES VETERANS ADMINISTRATION (N3)

VETERANS AFFAIRS (I)

Motivation therapy with the aging geriatric veteran patient. Wallen V. Milit Med 135:1007-10, Nov 70
How paraplegic veterans help others. Burghoff LP Jr.
Proc Annu Clin Spinal Cord Inj Conf 15:118-21, 7 Nov 66
History and program of California PVA. Capson W.
Proc Annu Clin Spinal Cord Inj Conf 16:116-9, 1967

VETERANS DISABILITY CLAIMS (N3)

[Subcutaneous achilles tendon rupture] Rosolleck H.
Monatsschr Unfallheilkd 72:544-7, Dec 69 (Ger)
[Diagnosis of ankylosing spondylitis according to FML] Schoger GA.
Verh Dtsch Ges Rheumatol 1:215-9, 1969 (Ger)

VETERINARY MEDICINE (G2)

see also related
ANIMAL DISEASES (C15)

In vitro cultivation of nematode parasites important to Veterinary Medicine. Leland SE Jr.
Adv Vet Sci Comp Med 14:29-59, 1970 (69 ref.)
Veterinary Medicine in Indonesia. Skaggs JW, et al.
Adv Vet Sci Comp Med 14:355-64, 1970
A review of recent developments in veterinary sciences in the Federal Republic of Germany. Stottmeier KD. Adv Vet Sci Comp Med 14:365-92, 1970
Animal reference virus recommendations.
Am J Vet Res 31:1915-28, Nov 70 (125 ref.)
The present status and background of antibiotics in the feeding of domestic animals. Jukes TH.
Ann NY Acad Sci 182:362-79, 11 Jun 71
The public health implications of drug-resistant bacteria in farm animals. Walton JR.
Ann NY Acad Sci 182:358-61, 11 Jun 71
The veterinarian's environment. Fallon GR.
Aust Vet J 46:606, Dec 70
Case management and the relationship between veterinarians in a practice. Gannon JR.
Aust Vet J 45:486-8, Oct 69
Structure and function of the Technical Committee on Veterinary Drugs. Snelson JT, et al.
Aust Vet J 46:393-7, Aug 70
The role of the veterinary surgeon in canine administration, dog breeding and training clubs. Spira HR. Aust Vet J 47:210-3, May 71
Hematologic standards for healthy newborn thoroughbred foals. Medeiros LO, et al.
Biol Neonate 17:351-60, 1971
Possible hazards to man from the use of drugs in and on animals. Brander GC.
Br Med Bull 26:217-21, Sep 70 (16 ref.)
Brucellosis in veterinary surgeons. McDevitt DG.
Br Med J 4:621-2, 5 Dec 70
Zootechnical aspects of industrial animal husbandry. Hirschfeld WK.
Bull Off Int Epizoot 69:1807-12, Nov-Dec 68
Canadian Veterinary Students Association student editorial. Does your practice employ a student? Anderson B. Can Vet J 12:xvii, May 71
The role of the veterinary profession in livestock production. Magwood SE, et al.
Can Vet J 12:161-4, Aug 71
Report of the Canadian Veterinary Medical Association to the Federal Task Force on Agriculture. Miller RB.
Can Vet J 12:60-4, Feb 71
Veterinary medicine and public health in India. Khera SS. Indian J Public Health 13:157-8, Oct 69
Veterinary public health.
Indian J Public Health 13:155-6, Oct 69
Storm warnings for safeguarding the health of the nation's livestock. Bendix WL.
J Am Vet Med Assoc 157:1881-7, 1 Dec 70
Food for the '70's. Childers AB.
J Am Vet Med Assoc 157:1781-5, 1 Dec 70
Professional liability in large animal practice. Dinsmore JR. J Am Vet Med Assoc 157:1557-9, 1 Dec 70
Veterinary Medicine at the racetracks. Edmondson AH.
J Am Vet Med Assoc 157:1599-601, 1 Dec 70
Ecology and the veterinarian. Franzmann AW.
J Am Vet Med Assoc 157:1981-2, 1 Dec 70
Readership of the journal. Freeman A.
J Am Vet Med Assoc 158:1163-5, 1 Apr 71
Chimpanzee-associated infectious hepatitis among personnel at an animal hospital. Friedmann CT, et al.
J Am Vet Med Assoc 159:541-5, Sep 71
Veterinary Medicine in the conservation and management of marine mammal resources. Geraci JR, et al. J Am Vet Med Assoc 157:1970-4, 1 Dec 70
Loss of animals by fright. Hannah HW.
J Am Vet Med Assoc 155:1395, 15 Oct 67
A data retrieval system for disease and administrative information. Hutton NE, et al.
J Am Vet Med Assoc 157:1871-6, 1 Dec 70
anagement opportunities for equine practitioners. Jackson RS. J Am Vet Med Assoc 157:1505-8, 1 Dec 70
The practitioner's role in evaluating veterinary biologics. Jones RP.
J Am Vet Med Assoc 157:817-9, 15 Sep 70
A veterinary view of consumer protection. Leighty JC.
J Am Vet Med Assoc 157:1810-3, 1 Dec 70
Role of the National Institutes of Health in support of laboratory animal resources. McPherson C.
J Am Vet Med Assoc 157:1959-63, 1 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Utah auxiliary project--school children visit veterinary offices. Prather M.
J Am Vet Med Assoc 158:1595-6, 1 May 71
Truth in lending. Price DA.
J Am Vet Med Assoc 155:1374-5, 15 Oct 67
Veterinary Medicine in civil affairs and the world hunger problem. Reynolds BL.
J Am Vet Med Assoc 157:1777-80, 1 Dec 70
Military consumer protection. Ringley DW.
J Am Vet Med Assoc 157:1814-7, 1 Dec 70
Animal technicians and the veterinarian. Steinmetz WE. J Am Vet Med Assoc 157:1446-50, 1 Dec 70
The private, nonprofit corporate hospital in Veterinary Medicine. Tashjian RJ.
J Am Vet Med Assoc 159:204-8, 15 Jul 71
Management and medical care of goldfish. Wallach JD. J Am Vet Med Assoc 159:583-95, Sep 71 (34 ref.)
A horseman's veterinary practice.
J Am Vet Med Assoc 158:233-43, 15 Jan 71
The handling of referrals--a practice problem.
J Am Vet Med Assoc 158:1706-7, 15 May 71
Analgesic drugs.
J Am Vet Med Assoc 158:789-92, 15 Mar 71
Animal technician scores in New Jersey practice.
J Am Vet Med Assoc 159:220-30, 15 Jul 71
Who's responsible?
J Am Vet Med Assoc 158:1597-8, 1 May 71
The veterinary surgeon's approach to laboratory animal problems. Bleby J.
J Small Anim Pract 12:405-17, Jul 71
Practice management: costing procedures. Chandler EA. J Small Anim Pract 11:647-54, Oct 70
Ethology and canine practice. Coffey DJ.
J Small Anim Pract 12:123-31, Feb 71
Examination of a veterinary practice for radiation hazards. O'Riordan MC.
J Small Anim Pract 11:515-22, Aug 70
The value of zoological collections in conservation. Schomberg G. J Small Anim Pract 11:55-62, Jan 70
The economics of a veterinary hospital. Tandy J, et al.
J Small Anim Pract 12:49-57, Jan 71
Radiation protection in a veterinary practice. Unwin DD. J Small Anim Pract 11:523-32, Aug 70
The role of the veterinarian in the changing agricultural scene in New Zealand. I. Davenport PG. NZ Vet J 18:125-8, Jul 70
The role of the veterinarian in the chaging agricultural scene in New Zealand. II. McLean JW.
NZ Vet J 18:129-31, Jul 70
Trends for poultry laboratory diagnosticians. Chute HL. Proc US Anim Health Assoc 73:513-5, 1969
American Association of Veterinary Laboratory Diagnosticians (AAVLD) disease reporting system. Hutton NE, et al.
Proc US Anim Health Assoc 73:560-72, 1969
Where does the responsibility lie? Kirkpatrick RJ.
Proc US Anim Health Assoc 73:94-6, 1969
The role of the regulatory veterinarian in animal research. Mattingly SF.
Proc US Anim Health Assoc 73:55-60, 1969
Responsibilities of the practicing veterinarian with respect to the wholesomeness of slaughtered livestock and poultry. Stewart JH.
Proc US Anim Health Assoc 73:67-9, 1969
Safe efficacious drugs, FDA's responsibilities.
Proc US Anim Health Assoc 73:236-43, 1969
When patients communicate (are you tuned in?). Antelyes J. Vet Med Small Anim Clin 66:208-10, Mar 71
Space exploration in the animal clinic. We must adapt our services to the client's needs. Antelyes J.
Vet Med Small Anim Clin 66:707-10, Jul 71
Tax aspects of covenants not to compete. Arkin J.
Vet Med Small Anim Clin 66:390-1, Apr 71
Scratch one more dairy farm. Armstrong TH.
Vet Med Small Anim Clin 66:815-7, Aug 71
Is a collection agency the answer? Ashe HJ.
Vet Med Small Anim Clin 66:610 passim, Jun 71
Make more efficient use of the time you spend with detail men. Bricker RJ.
Vet Med Small Anim Clin 65:1096-8, Nov 70
A perspective on clinical chemistries in the horse. Coffman JR.
Vet Med Small Anim Clin 65:1091-4, Nov 70
A close look at disability insurance for the practitioner. Desmond NG.
Vet Med Small Anim Clin 66:382 passim, Apr 71
Why should you bother to plan ahead? Dolphin RE.
Vet Med Small Anim Clin 66:259-60, Mar 71
The management approach in the livestock producer-veterinarian relationship. McCauley ER.
Vet Med Small Anim Clin 66:454-5 passim, May 71
The human analogy. Miller RM.
Vet Med Small Anim Clin 66:171 passim, Mar 71
A case of pharmaceutical injustice. Miller RM.
Vet Med Small Anim Clin 65:1130 passim, Dec 70
On ethics: a shadow from the past. Miller RM.
Vet Med Small Anim Clin 66:746 passim, Aug 71
Changes in pig production in Britain and their effect on the veterinary profession. Alexander TJ.
Vet Rec 88:138-41, 6 Feb 71
Veterinary medicine: luxury or necessity? Baxter JT.
Vet Rec 89:203-9, 21 Aug 71
The role of the practising veterinary surgeon in modern pig husbandry. Brook AB. Vet Rec 87:310-2, 12 Sep 70
A surgical dressing for small-animal use. Fowler NG, et al. Vet Rec 88:341-2, 27 Mar 71
Animal behaviour in veterinary medicine: its place and future. Fox MW. Vet Rec 86:678-82, 6 Jun 70
Reading. Heath GB. Vet Rec 88:377-80, 10 Apr 71
The profession in the Netherlands. Keulen A van.
Vet Rec 87:536-8, 31 Oct 70
Brucellosis and the veterinary surgeon. McDevitt DG.
Vet Rec 88:537-40, 22 May 71
Pointers to practice management. Marsden J.
Vet Rec 88:514-8, 15 May 71
X-ray hazards in practices. O'Riordan MC.
Vet Rec 87:640-3, 21 Nov 70
The President's address to the Association. Parsons JH.
Vet Rec 87:367-70, 26 Sep 70
Veterinary surgeons and the E.E.C.
Vet Rec 87:539-43, 31 Oct 70
New standards for veterinary hospitals.
Vet Rec 87:493-4, 24 Oct 70
Veterinary surgeons and the E.E.C.
Vet Rec 87:579-82, 7 Nov 70
[Sanitary aspects of the production of slaughter calves] Khammouma M. Aliment Vie 58:144-63, 1970 (Fre)
[Veterinary art and biology] Jacquet J.
Bull Acad Vet Fr 41:419-32, Dec 68 (Fre)
[Legal consequences of the absence of promulgation of the Veterinary Deontologic Code] Jégu L.
Bull Acad Vet Fr 43:395-9, Nov 70 (Fre)
[Towards the unification of sanitary rules in the Europe of the 6] Senthille F.
Bull Acad Vet Fr 41:83-5, Feb 68 (Fre)
[The need of regulating veterinary laws for industrial animal husbandry] Rojahn A.
Bull Off Int Epizoot 69:1843-60, Nov-Dec 68 (Fre)
[Veterinary medicine aspects relative to the problem of raising animals for income on a large scale (commercial raising)] Rojahn A.
Bull Off Int Epizoot 69:2063-78, Nov-Dec 68 (Fre)
[Mission of the Directorate of Veterinary and Husbandry Services of Morocco] Laaberki A.
Maroc Med 48:531-4, Oct 68 (Fre)
[Survey of animal hygiene and veterinary research in Japan] Mohamed FF.
Maroc Med 51:190-8, Mar 71 (Fre)
[The individual constitution and current medical and veterinary trends] Velu H.
Maroc Med 48:547-59, Oct 68 (Fre)
[Methodology in veterinary research] Meyer H.
Arch Exp Veterinaermed 24:1219-34, 1970 (Ger)
[Overview of the most important veterinary medicine review publications and their methods] Renk W, et al.
Berl Munch Tieraerztl Wochenschr 83:41-6, 1 Feb 70 (Ger)
[Report on two-year's veterinary activities in Turkey] Rossbach HD, et al.
Berl Munch Tieraerztl Wochenschr 84:41-4, 1 Feb 71 (Ger)
[Report of the activity of the horse research institute in Newmarket: health service for the thoroughbred horse] Barnett OG.
Dtsch Tieraerztl Wochenschr 77:193-4, 15 Apr 70 (Ger)
[VIDA-Information system in the service of veterinary medicine] Berendt M.
Dtsch Tieraerztl Wochenschr 78:355-6, 15 Jun 71 (Ger)
[Origin and significance of the word veterinarian] Kuntze W.
Dtsch Tieraerztl Wochenschr 74:259-61, 15 May 67 (Ger)
[Tasks of the veterinarian in current and future insemination and fertility control] Romanowski W.
Dtsch Tieraerztl Wochenschr 77:177-9, 15 Apr 70 (Ger)
[The question of the "grey" drug market] Schmidt E.
Dtsch Tieraerztl Wochenschr 78:307-9, 15 May 71 (Ger)
[Results of economic and analytical surveys in the field of a state veterinary practice] Bobsien HW.
Monatsh Vet Med 26:161-9, 1 Mar 71 (Ger)
[The responsibilities of the veterinarian in udder health control as an example of information flow] Brabant W, et al.
Monatsh Vet Med 24:860-3, 15 Nov 69 (Ger)
[Veterinary parasitology in the Peoples Republic of Bulgaria] Dimitrov G.
Monatsh Vet Med 24:431-4, 1 Jun 69 (Ger)
[Demands on District Veterinary Institutes as a result of concentrated and specialized animal production] Ehrentraut W.
Monatsh Vet Med 25:569-71, 1 Aug 70 (Ger)
[System for cost itemization of veterinary activity in industrialized livestock facilities] Eschenbach E, et al. Monatsh Vet Med 26:383-8, 15 May 71 (Ger)
[Socio-economic structural transformation and changes in the social relationships of West German veterinarians--system-dependent developmental tendencies of state-monopolist capitalism] Günther R. Monatsh Vet Med 26:281-7, 15 Apr 71 (Ger)
[Significance of information and analysis in the management of the veterinary profession] Heinicke W. Monatsh Vet Med 25:455-61, 15 Jun 70 (Ger)
[The Socialist Unity Party of Germany--25 years of progress in the veterinary profession of the Potsdam area] Kalbe P, et al.
Monatsh Vet Med 26:330-4, 1 May 71 (Ger)
[Experiences following 1-years operation of federal veterinary group practice I, the Stendal area] Krüger D. Monatsh Vet Med 24:8[illegible]5, 15 Nov 69 (Ger)
[Hiroshima--reminder and obligation. Responsibilities of veterinary medicine in the peaceful use of nuclear energy and isotope techniques] Mehlhorn G.
Monatsh Vet Med 25:609-15, 15 Aug 70 (Ger)
[A veterinary collective from the German Democratic Republic in Tanzania] Pilz H.
Monatsh Vet Med 26:265-9, 1 Apr 71 (Ger)
[Responsibilities of veterinary medicine in industrialized swine production] Prange H.
Monatsh Vet Med 26:287-93, 15 Apr 71 (Ger)
[Unified system of accounting and statistics in the veterinary profession] Richter W, et al.
Monatsh Vet Med 25:466-9, 15 Jun 70 (Ger)
[System of veterinary production control in animal production facilities] Rossow N.
Monatsh Vet Med 25:409-13, 1 Jun 70 (Ger)
[Economic conditions for veterinary performance under socialist production parameters] Schulze D.
Monatsh Vet Med 25:461-6, 15 Jun 70 (Ger)
[Analytical studies into the structure and cost percentage of veterinary services in livestock production] Schwarz S.
Monatsh Vet Med 24:801-6, 1 Nov 69 (Ger)
[The Socialist Unity Party of Germany and the development of the veterinary profession in the German Democratic Republic. An observation on the 25th anniversary of the unification of the Communist Party of Germany and the Social Democratic Party of Germany to form the Socialist Unity Party of Germany] Wernicke R, et al.
Monatsh Vet Med 26:323-30, 1 May 71 (Ger)
[12th International Symposium on the Diseases of Zoo Animals, May 6-10, 1970, in Budapest] Schröder HD.
Schweiz Arch Tierheilkd 112:402-3, Aug 70 (Ger)
[Thoughts on a Swiss service for udder health] Schweizer R.
Schweiz Arch Tierheilkd 112:39-42, Jan 70 (Ger)
[Canton Councilor Dr. Gotthard Odermatt, Sarnen] (Odermatt G),
Schweiz Arch Tierheilkd 112:146-8, Mar 70 (Ger)
[IX Congress on "Zoonoses in research and practice" in Bad Nauheim]
Schweiz Arch Tierheilkd 113:274, May 71 (Ger)
[Preventive diagnosis within the framework of animal husbandry] Fritzsche K.
Wien Tieraerztl Monatsschr 58:73-9, 1971 (Ger)
[A movable, large-animal operating table for use in limb surgery] Knezevic PF.
Wien Tieraerztl Monatsschr 58:173-6, 1971 (Ger)
[Veterinary advice for the wholesale swine business] Kosztolich O.
Wien Tieraerztl Monatsschr 57:433-7, 1970 (Ger)
[Regional experiences in the cooperation between the veterinary hygiene branch and the regional hygiene inspection] Hermus G, et al.
Z Gesamte Hyg 16:597-600, Aug 70 (Ger)
[Pseudopregnancies in animals] Schneemann N.
Z Psychother Med Psychol 21:162-4, Jul 71 (Ger)
[Screening of veterinarians for brucellosis] Román E, et al. Orv Hetil 111:2843-5, 29 Nov 70 (Hun)
[Detection and determination of some synthetic estrogens of the stilbene group in oily solutions for pharmaceutical uses (human and veterinarian)] Moretti G, et al.
Ann Ist Super Sanita 5:586-601, 1969 (Ita)
[New standard plans for veterinary structures] Anikin AM. Veterinariia 10:27-31, Oct 70 (Rus)
[New projects for veterinary purposes] Anikin AM.
Veterinariia 1:20-3, Jan 71 (Rus)
[Veterinary service to the poultry industry in England] Arkhipov AV. Veterinariia 9:117-8, Sep 70 (Rus)
[Bactocoumarin--a highly effective agent against rodents] Avramenkov LI, et al.
Veterinariia 10:36-8, Oct 70 (Rus)
[International veterinary supervision of riding horses] Bobylev IF. Veterinariia 9:124-5, Sep 70 (Rus)
[Improving the veterinary-sanitary condition of farms] Cherkas IA, et al. Veterinariia 6:26-9, Jun 70 (Rus)
[Combatting black flies] Dabizha IG.
Veterinariia 6:37, Jun 70 (Rus)
[Veterinary hygiene protection of farms] Dolgov VS, et al. Veterinariia 10:31-3, Oct 70 (Rus)
[Veterinary service in the Somalian People's Republic] Dukatsenko VG. Veterinariia 9:118-9, Sep 70 (Rus)
[Strengthening veterinary medical supervision of the slaughter of livestock on farms] Dukatsenko VG, et al.
Veterinariia 8:100-2, Aug 70 (Rus)
[Veterinary militia in action] Galiev MA.
Veterinariia 7:22-3, Jul 70 (Rus)
[Bacteriological method of controlling the quality of livestock premises disinfection] Iarnykh VS, et al.
Veterinariia 6:34-6, Jun 70 (Rus)
[Toxicology of products of a nuclear explosion (brief review of the literature)] Il'in VG.
Veterinariia 11:79-81, Nov 70 (Rus)
[Methods of eliminating the sequelae of weapons of mass destruction] Il'in VG, et al.
Veterinariia 9:33-5, Sep 70 (Rus)
[Veterinary-sanitary protection during transport] Kasparov GA. Veterinariia 6:32-3, Jun 70 (Rus)
[Preventing industrial noise on animal farms] Krakosevich ND. Veterinariia 10:33-5, Oct 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Cavitary operations in animals on the farm] Leonova MS. Veterinariia 10:95-6, Oct 70 (Rus)
[Rat control on poultry farms] Leont'ev AK, et al. Veterinariia 10:39, Oct 70 (Rus)
[Organization of veterinary-sanitary services in Sofia] Mladenov M. Veterinariia 1:112-3, Jan 71 (Rus)
[Coding veterinary statistical data for machine processing] Orlov PT, et al. Veterinariia 9:85-8, Sep 70 (Rus)
[Veterinary hospital brigades for cost accounting] Podobedov AI, et al. Veterinariia 1:23-6, Jan 71 (Rus)
[Results and perspectives of study of the biochemistry of helminths] Poliakova OI. Veterinariia 11:21-3, Nov 70 (Rus)
[Veterinary medical rating of water sources--an important process] Raskin MM. Veterinariia 10:35-6, Oct 70 (Rus)
[Zoohygienic assessment of the system of removing manure] Semeniuta AT. Veterinariia 11:50-3, Nov 70 (Rus)
[Assessment of the economic efficiency of veterinary measures] Shamatava VP. Veterinariia 9:20-1, Sep 70 (Rus)
[Work report of the veterinary services of the Central Asian republics] Shirokov IM, et al. Veterinariia 8:6-25, Aug 70 (Rus)
[Gonadotropin content of pregnant mare serum] Shlygin AN, et al. Veterinariia 8:96-8, Aug 70 (Rus)
[Measures for protection of animals from bacteriological weapons] Sofronov AM, et al. Veterinariia 11:54-6, Nov 70 (Rus)
[Work rapport between the veterinary service of the Moldavian SSR and the Baltic republics] Tsurkan M, et al. Veterinariia 10:4-23, Oct 70 (Rus)
[Veterinary service in the organization of artificial insemination in animals] Zakharov NI, et al. Veterinariia 7:95-7, Jul 70 (Rus)
[Current status of veterinary science in the USSR] Veterinariia 11:1-3, Nov 70 (Rus)
[Work report of the veterinary services of the Transcaucasian Republics] Veterinariia 9:5-19, Sep 70 (Rus)
[A definition of veterinary public health] Vianna Paim G, et al. Bol Of Sanit Panam 69:166-8, Aug 70 (Spa)
[Epidemiological bases for the coordination of public health services and animal health for the control of zoonoses] Peregrina L. Salud Publica Mex 13:175-80, Mar-Apr 71 (Spa)
[Veterinary medicine] Acta Trop (Basel) 26:76-92, 1969 (Mul)
[Activities of the National Veterinary Services: Animal Quarantine Service] Bull Off Int Epizoot 75:139-61, Mar-Apr 71 (Mul)

EDUCATION

The changing role of animal husbandry in the graduation of educated veterinarians. Dowling DF. Aust Vet J 47:126-7, Mar 71
Audio-tutorial vs. lecture-recitation: a comparative trial in the teaching of canine radiographic anatomy. Weiser JR, et al. Br J Med Educ 4:316-22, Dec 70
The teaching of poultry diseases. Ritchie JN, et al. Br Vet J 126:12-4, Jan 70
An economic appraisal of a preventative medicine program for dairy herd health management. Barfoot LW, et al. Can Vet J 12:2-10, Jan 71
Veterinary students and the Canadian Veterinary Medical Association. Huigenbos JW. Can Vet J 12:102, Apr 71
The future of veterinary education in India. Choudary CV. Indian Vet J 47:609-15, Aug 70
The continued education and training of regulatory veterinarians. Anderson RK. J Am Vet Med Assoc 157:1888-93, 1 Dec 70
Veterans Administration Training Program in Laboratory Animal Medicine, Science, and Technology. Buddingh F. J Am Vet Med Assoc 157:1948-9, 1 Dec 70
Graduate education in laboratory animal medicine. Lang CM. J Am Vet Med Assoc 157:1956-8, 1 Dec 70
The university and the city. McCulloch WF, et al. J Am Vet Med Assoc 157:1771-6, 1 Dec 70
Graduate education in laboratory animal medicine at the University of Missouri. Middleton CC. J Am Vet Med Assoc 157:1950-2, 1 Dec 70
Postdoctoral graduate education in laboratory animal medicine at the Ohio State University. Pakes SP. J Am Vet Med Assoc 157:1953-5, 1 Dec 70
The value of graduate training in epizootiology and preventive medicine to the regulatory veterinarian. Sawyer JC. J Am Vet Med Assoc 157:1894-7, 1 Dec 70
Clinical internships in veterinary medicine. Tashjian RJ. J Am Vet Med Assoc 158:1580-3, 1 May 71
Is animal science training future teachers? Riley JG. J Anim Sci 33:179-81, Jul 71
Undergraduate, graduate, and continuing education training needs of diagnostic veterinary medicine. McEntee K. Proc US Anim Health Assoc 73:516-7, 1969
Veterinary diagnostic laboratories and their roles in teaching. Morse EV. Proc US Anim Health Assoc 73:518-9, 1969
Graduate study for regulatory veterinarians. Schwabe CW. Proc US Anim Health Assoc 73:18-21, 1969
Diagnostic laboratory graduate training and continuing education. Seaton VA. Proc US Anim Health Assoc 73:524-7, 1969
Basic science teaching in veterinary medicine: an adventure in heresy. Michell AR. Vet Rec 87:748-50, 12 Dec 70
Veterinary education: some horizons and perspectives. Michell AR. Vet Rec 88:465-8, 1 May 71
Veterinary education and practice. Vet Rec 87:6-14, 4 Jul 70
[Education of veterinary engineers for modern facilities for animal production] Brabant W. Monatsh Vet Med 25:896-7, 15 Sep 70 (Ger)
[Development of the Berlin Veterinary Education and Research Center between the Vth and VIIth Congresses of the German Socialist Unity Party] Gonnermann B. Monatsh Vet Med 26:367-71, 15 May 71 (Ger)
[Evaluation and implementation of Party and government decisions at the Kurt Neubert Engineer School of Veterinary Medicine, Beichlingen] Günther M, et al. Monatsh Vet Med 26:344-7, 1 May 71 (Ger)
[The leading role of the German Socialist Unity Party in training and educating veterinarians in the GDR] Lötsch D, et al. Monatsh Vet Med 26:362-6, 15 May 71 (Ger)
[Animal production and performance in the socialist agriculture of the German Democratic Republic from the standpoint of performance physiology of agricultural livestock] Mielke H, et al. Monatsh Vet Med 25:889-97, 1 Dec 70 (Ger)
[Socialist competition at the Institute of Veterinary Science, Neubrandenburg--an important measure of leadership] Uecker E, et al. Monatsh Vet Med 26:335-8, 1 May 71 (Ger)
[Development of socialist competition at the Institute of Veterinary Science of the Rostock area] Wolter R, et al. Monatsh Vet Med 26:338-40, 1 May 71 (Ger)
[Proposal for a new system of promotion to Dr. Med. Vet. (or Dr. Med. and Dr. Med. Dent.)] Fey H. Schweiz Arch Tierheilkd 113:184-9, Apr 71 (Ger)
[The need for specialization in the profession of veterinary medicine] Schweiz Arch Tierheilkd 112:24-9, Jan 70 (Ger)
[Report on the acitivities of the Faculty of Veterinary Medicine of Zurich University, 1969-70] Schweiz Arch Tierheilkd 112:341-51, Jul 70 (Ger)
[Establishment and significance of an institute of laboratory animal science] Weihe WH. Wien Tieraerztl Monatsschr 58:235-41, Jun 71 (Ger)
[On veterinary activity in swine veterinary practice] Werner-Tutschku V. Wien Tieraerztl Monatsschr 57:189-96, May 70 (Ger)
[The organization of the Faculty of Veterinary Medicine of the University of Saskatchewan, Saskatoon, Canada] Dozza G, et al. Arch Vet Ital 21:245-61, 31 Aug 70 (Ita)
[Highly-qualified veterinary assistants are being trained] Antonenkov IP. Veterinariia 6:104-5, Jun 70 (Rus)
[Training of veterinary assistants] Kireev SP. Veterinariia 6:101-4, Jun 70 (Rus)
[Teaching pathological physiology] Kosykh VP, et al. Veterinariia 8:114-6, Aug 70 (Rus)
[Training highly qualified cadres] Kozhebekov ZK. Veterinariia 7:8-10, Jul 70 (Rus)
[Some results of programmed instruction of students] Litvinov IL. Veterinariia 12:90-2, Dec 70 (Rus)
[Use of technical facilities in studying operative surgery] Mosin VV. Veterinariia 8:116, Aug 70 (Rus)
[Economic training of veterinarians] Nikitin IN. Veterinariia 8:113-4, Aug 70 (Rus)

HISTORY

The history of the University of Sydney, the Faculty of Veterinary Science and the Post-Graduate Foundation in veterinary science. Butterfield RM. Aust Vet J 46:553-6, Nov 70
Folklore of fifty years in veterinary medicine (1920-1970). Keene RB. Vet Med Small Anim Clin 66:684-6, Jul 71
The Central Veterinary Society. Carter HE. Vet Rec 87:625-6, 14 Nov 70
A note on the word "veterinary". Merlen RH. Vet Rec 89:136-8, 31 Jul 71
The new President of the R.C.V.S. (Ingram JM), Vet Rec 88:578, 29 May 71
[History of veterinary medicine] Bressou C. Bull Acad Vet Fr 43:393-4, Nov 70 (Fre)
[Eulogy of professor Edouard Bourdelle] (Bourdelle E), Bressou C. Bull Acad Vet Fr 43:455-67, Dec 70 (Fre)
[Animals, our backward brothers] Chabaud MA. Maroc Med 48:536-42, Oct 68 (Fre)
[Monumenta medicinae veterinariae historica, Munich] Hausmann W. Beri Munch Tieraerztl Wochenschr 83:378-81, 1 Oct 70 (Ger)
[125 years of the Berlin Scientific Society for Veterinarians] Lerche M. Beri Munch Tieraerztl Wochenschr 84:81-3, 1 Mar 71 (Ger)
[Statistics and development of veterinary medicine disciplines in the "Magazin für die gesammte Thierheilkunde", in the "Archiv für wissenschaftliche und praktische Tierheilkunde" and the "Berliner und Münchener tierärtztlichen Wochenschrift", 1835--1968] Schützler G. Beri Munch Tieraerztl Wochenschr 83:189-93, 15 May 70 (29 ref.) (Ger)
[20 years of the international conference on Reproduction and Insemination in Weis (Upper Austria)] Aehnelt E, et al. Dtsch Tieraerztl Wochenschr 78:73-6, 15 Feb 71 (Ger)
[A doctor on the Bern faculty, professor of animal husbandry in Brünn, Josef Taufer (1869-1940)] (Taufer J), Böhm R. Schweiz Arch Tierheilkd 112:248-52, May 70 (Ger)
[Medical ideas in the Falcon Book of the Emperor Friedrich II] Zahlten J. Sudhoffs Arch 54:49-103, Jun 70 (Ger)
[Comparative medicine] Kral F. Wien Tieraerztl Monatsschr 58:171-2, 1971 (Ger)
[Thoughts on the sense, purpose, extent and scope of veterinary history] Lechner W. Wien Tieraerztl Monatsschr 57:33-6, Jan 70 (Ger)
[From the University to the Ministry of War] Lechner W. Wien Tieraerztl Monatsschr 57:79-80, Feb 70 (Ger)
[Are the history of veterinary medicine and student reform reconcilable?] Lochmann EH. Wien Tieraerztl Monatsschr 58:266-70, Jun 71 (Ger)
[Carl Bernhard Brühl and absolutism in Austria] (Brühl CB), Bugyi B. Orv Hetil 112:1172-3, 16 May 71 (Hun)
[Georgii Antonovich Poliuta (on the 150th anniversary of his birth)] (Poliuta GA), Bazhenov SV. Veterinariia 12:104-5, Dec 70 (Rus)
[Vasilii Andreevich Mostynskii (on the 100th anniversary of his birth)] (Mostynskii VA), Bazhenov SV. Veterinariia 12:106, Dec 70 (Rus)
[A communist labor collective] Fediushkin ME. Veterinariia 1:15-8, Jan 71 (Rus)
[Achievements of the veterinary service in Mari ASSR (on the 50th anniversary of the Republic)] Grebenshchikov AP. Veterinariia 11:15-7, Nov 70 (Rus)
[Aleksandr Mikhailovich Maksutov (1865-1926)] (Maksutov AM), Myi'nikov AS. Veterinariia 12:107-8, Dec 70 (Rus)
[Development of veterinary service in the Polish People's Republic] Oberfeld KhS. Veterinariia 11:114-6, Nov 70 (Rus)
[Development of veterinary science in Kazakhstan] Pankratov LD. Veterinariia 7:5-8, Jul 70 (Rus)
[Achievements of veterinary medicine in Kazakhstan (on the 50th anniversary of the Republic)] Subbotin VIa. Veterinariia 7:1-5, Jul 70 (Rus)
[Medicine, pharmacy and veterinary medicine during World War II in Bosnia and Hercegovina] Dragić D. Vojnosanit Pregl 28:151-6, Mar 71 (Cro)

INSTRUMENTATION

An egg-punch injecting needle. Greenfield J, et al. Avian Dis 15:406-7, Apr-Jun 71
Simplified artificial vagina for collection of rabbit semen for experimental use. Venkataswami V. Indian Vet J 47:1134-5, Dec 70
A modified equine artificial vagina for the collection of gel-free semen. Ellery JC. J Am Vet Med Assoc 158:765-6, 15 Mar 71
Stocks for holding unanesthetized dogs in the standing position. Mauderly J, et al. Lab Anim Sci 21:263-6, Apr 71
A new disposable restraint collar for small animals. Fenster P. Vet Med Small Anim Clin 66:121, Feb 71
[A helpful device for reckoning the fertile period of cows and the first-calf age of heifers] Monatsh Vet Med 26:275-6, 1 Apr 71 (Ger)
[A hoof correction stand for pigs] Arnbjerg J. Wien Tieraerztl Monatsschr 58:176-9, 1971 (Ger)
[Sedation and immobilization of wild animals] Fessl L. Wien Tieraerztl Monatsschr 58:179-85, 1971 (Ger)
[A modified slit-sampler for counting airborne bacteria in the stalls of domestic animals] Müller W, et al. Wien Tieraerztl Monatsschr 58:211-3, 1971 (Ger)
[Universal spray apparatus for treatment of animals and dwellings] Chereshnev NA. Veterinariia 7:33-5, Jul 70 (Rus)
[Conveyor mechanism for dipping sheep and goats] Rybakov MI, et al. Veterinariia 7:31-3, Jul 70 (Rus)

MANPOWER

The medical role of the veterinarian in nuclear disaster in Australia. Aust Vet J 46:402, Aug 70
The veterinary profession in West Germany. Schulz H. Vet Rec 86:772-5, 27 Jun 70
Guide to partnerships in veterinary practice. Vet Rec 86:776-82, 27 Jun 70
Small animal practice in the 70's. Vet Rec 87:379-80, 26 Sep 70
[Integration of the veterinary profession in the poultry industry] Heider G. Monatsh Vet Med 25:472-6, 15 Jun 70 (Ger)
[Significance of labor economics for the development of the personnel structure of the veterinary profession in socialist agriculture] Lötsch D, et al. Monatsh Vet Med 25:450-5, 15 Jun 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Position and responsibilities of expert personnel in the veterinary profession in the management of modern animal production facilities] Schulze D.
Monatsh Vet Med 25:689-93, 15 Sep 70 (Ger)
[Veterinary tasks in the further development of cattle husbandry] Schwedler H.
Monatsh Vet Med 25:42-4, 15 Jan 70 (Ger)
[Organization of the veterinary medicine service of the Porker Production Cooperative of Plauen] Uhlemann J, et al. Monatsh Vet Med 25:853-8, 15 Nov 70 (Ger)
[Basic principles of veterinary medicine management, information and control systems for modern animal production facilities] Wilke D, et al.
Monatsh Vet Med 25:893-5, 15 Sep 70 (Ger)
[Women in the veterinary profession in the German Democratic Republic. Interviews on the 60th International Women's Day]
Monatsh Vet Med 25:164-75, 1 Mar 70 (Ger)
[Contribution to the subject, "The changing structure of veterinary medicine", based on statistical reports on veterinarians in Vienna] Zaloudek A.
Wien Tieraerztl Monatsschr 57:200-1, May 70 (Ger)
[The accomplishments of veterinary specialists in the Far North] Tarasenkov IV.
Veterinariia 1:9-12, Jan 71 (Rus)
[Functional scheme of the work of graduted helth personnel, and approximate evaluation of the length of the working day necessary to accomplish it] Varo Uranga R.
Rev Sanid Hig Publica (Madr) 43:143-73, Mar-Apr 69 (Spa)

VETERINARY SERVICE, MILITARY (G2)

Military consumer protection. Ringley DW.
J Am Vet Med Assoc 157:1814-7, 1 Dec 70
Field medical problem. Veterinary staff officer assigned to the 80th Medical Brigade.
Milit Med 135:494 passim, Jun 70

VIADRIL see HYDROXYDIONE (D2, D6)

VIBRATION (H)

Comparative effects of vibration on monocular and binocular vision. Ohlbaum MK, et al.
Aerosp Med 42:36-41, Jan 71
Human fetal heart rate change and movement in response to sound and vibration. Grimwade JC, et al.
Am J Obstet Gynecol 109:86-90, 1 Jan 71
The effect of viewing distance on the visual decrements associated with Gz vibration. Ohlbaum MK, et al. Am J Optom 48:298-306, Apr 71
Inhibition of monosynaptic extensor reflex attributable to presynaptic depolarization of the group Ia afferent fibers produced by vibration of flexor muscle. Barnes CD, et al.
Arch Ital Biol 108:333-58, Apr 70
Presynaptic and postsynaptic effects in the monosyaptic reflex pathway to extensor motoneurons folowing vibration of synergic muscles. Barnes CD, et al. Arch Ital Biol 108:259-94, Apr 70
Response of the human fetus to sensory stimulation. Grimwade J, et al.
Aust NZ J Obstet Gynaecol 10:222-4, Nov 70
Unicity of information from chest wall vibrations measured by different transducers. Cosyns J, et al.
Bibl Cardiol 26:223-9, Mar-Apr 69
Successful methods of eliminating building vibrations in the force BCG. Starr I.
Bibl Cardiol Suppl 27:76-8, 1971
A deoxyribonuclease activity of HeLa cells specific for UV-irradiated DNA. Burt DH, et al.
Biochem Biophys Res Commun 43:1383-7, 18 Jun 71
Two techniques for the study of hepatic membrane-containing fractions. el-Aaser AA, et al.
Biochem J 118:38P-39P, Jun 70
Effect of low frequency vibration on the arterial wall. Boughner DR, et al. Circ Res 29:136-44, Aug 71
The effect of low partial pressures of oxygen and shaking on the rate of division in Tetrahymena. Malecki MT, et al. Curr Mod Biol 3:291-8, Feb 71
Rheographic investigations in persons exposed to local action vibrations (25 and 50 c-sec). Cadariu G, et al.
Electroencephalogr Clin Neurophysiol 30:358-9, Apr 71
Somaesthetic evoked potential and cutaneous vibratory stimulus. Delwaide PJ, et al.
Electroencephalogr Clin Neurophysiol 29:535, Nov 70
Age and the perceptual threshold for vibratory stimuli. Perret E, et al. Ear Neurol 4:65-76, 1970
The effect of sound, light and vibratory stimuli on serum lipid levels and liver fatty acid content of old and adult rats. Szamosi T. Experientia 27:628-9, Jun 71
Vibratory sensitivity of the penis. Newman HF.
Fertil Steril 21:791-3, Nov 70
Vibration and human performance. Grether WF.
Hum Factors 13:203-16, Jun 71
Psychophysical assessment of whole-body vibration. Shoenberger RW, et al. Hum Factors 13:41-50, Feb 71
Observations of the vibration of the basilar membrane in squirrel monkeys using the Mössbauer technique. Rhode WS. J Acoust Soc Am 49:Suppl 2:1218+, Apr 71
Visual vibration response. Lee RA, et al.
J Appl Physiol 30:281-6, Feb 71
Tracking performance on a visual display apparently vibrating at one to ten Hertz. Huddleston JH.
J Appl Psychol 54:401-8, Oct 70
Mid-brain responses of the auditory and somatic vibration systems in snakes. Hartline PH.
J Exp Biol 54:373-90, Apr 71
Physiological basis for detection of sound and vibration in snakes. Hartline PH. J Exp Biol 54:349-71, Apr 71
Biological activities of sonically treated Sendai virus. Hosaka Y. J Gen Virol 8:43-54, Jul 70
A comparison of stretch and vibration reflexes at the motoneurone. Westbury DR.
J Physiol (Lond) 213:25P-26P, Mar 71
Detection of vibrotactile signals differing in probability of occurrence. Gescheider GA, et al.
J Psychol 73:253-60, Jul 71
Evoked cortical responses to stimulus change. McCandless GA, et al.
J Speech Hear Res 13:634-34, Sep 70
Reflex sympathetic responses produced by activation of vibrational receptors. Miyamoto J, et al.
Jap J Physiol 20:725-40, 15 Dec 70
A simple test tube vibrator. Elphick MC.
Lab Pract 19:1139, Nov 70
Vibration of the cervix to expedite first stage of labour. Brant HA, et al. Lancet 2:686-8, 25 Sep 71
Vibration-induced arterial shear stresses. Nerem RM.
Lancet 1:78, 9 Jan 71
Determination of the modulus of elasticity of bone by a vibration method. Brash JI, et al.
Med Biol Eng 8:389-93, Jul 70
Threshold of vibratory perception in normal children. Alter M, et al. Minn Med 54:693-5, Sep 71
The effect of short-lasting repetitive vibration of the triceps muscle and concomitant fusimotor stimulation on the reflex response of spinal alpha motoneurones in decerebrated cats. Anastasijević R, et al.
Pflugers Arch 325:220-34, 1971
The achilles tendon reflex and the H-response during and after tendon vibration. Arcangel CS, et al.
Phys Ther 51:889-905, Aug 71
Changes in the morphology of adenohypophysis under the effect of vibration. Borsukowski W, et al.
Pol Med J 10:110-3, 1971
Morphological data for the theory of temporal bone vibrations. Pędziwiatr ZF. Pol Med J 10:547-63, 1971
Effect of vibration on the adrenocortical function. Tarnawski A. Pol Med J 10:114-6, 1971
The mechanism of the suppression of the monosynaptic reflex by vibration. Gillies JD, et al.
Proc Aust Assoc Neurol 7:97-102, 1970
Vibrotactile learning and the locus dimension. Diespecker DD. Q J Exp Psychol 22:574-82, Nov 70
Application of microvibration of body surface to diagnosis of orthostatic dysregulation. Igarashi K.
Tohoku J Exp Med 102:207-8, Oct 70
Ballistocardiography simplified by recording microvibration of the skin surface of the head. Ozaki T, et al. Tohoku J Exp Med 102:99-100, Sep 70
[Electromyographic studies of the ulnar nerve lesion in workers under risk of vibration. Attempt at demonstration of lesions in sensory fibers] Jandová D, et al. Cesk Neurol 34:64-8, Mar 71 (Cze)
[Diagnostic errors in vibration disease. Study of a case] Eskenasy JJ.
Arch Belg Med Soc 27:180-96, Mar 69 (Fre)
[Expulsion treatment of urinary calculi by the association of diuresis and mechanical actions] Cottet J, et al. J Urol Nephrol (Paris) 75:672-7, Sep 69 (Fre)
[Acceleration and vibration in the pathology related to medical transport] Pichard E, et al.
Rev Corps Sante Armees 11:611-35, Oct 70 (Fre)
[Mechanical vibrations: action on man, prevention] Séris HJ.
Rev Corps Sante Armees 10:63-81, Feb 69 (Fre)
[Somesthetic evoked potentials and cutaneous vibratory stimulus] Delwaide PJ, et al.
Rev Neurol (Paris) 122:453-4, Jun 70 (Fre)
[Influencing of the intestinal motor activity by mechanical vibrations] Stankovic P.
Bruns Beitr Klin Chir 217:613-5, Dec 69 (Ger)
[Effect of building vibrations on the health and achievement status in man] Becker G, et al.
Z Gesamte Hyg 16:521-7, Jul 70 (Ger)
[Vibrations caused by oral hydrotherapy] Tóth A.
ZWR 79:961-3, 25 Nov 70 (Ger)
[Effects of vibration and the thickness of the cement layer] Nishimura F.
J Jap Stomatol Soc 37:459, Dec 70 (Jap)
[Effect of vibratory sensation on air conduction threshold measurements in severely deaf subject] Yada K. J Otolaryngol Jap 73:1761-9, Nov 70 (Jap)
[Non-linear vibration] Kuwabara M.
J Physiol Soc Jap 33:11-8, Feb 71 (Jap)
[Vibration in biochemical process] Munakata K, et al.
J Physiol Soc Jap 33:19-29, Feb 71 (Jap)
[Vibration phenomena in the cells--with special reference to ciliary movement] Naito Y.
J Physiol Soc Jap 33:30-9, Feb 71 (Jap)
[Temporary hearing loss due to vibration and noise] Yamamura K, et al. Jap J Hyg 25:472-8, Dec 70 (Jap)
[Response to vibratory stimulations of fast-adapting free nerve endings in the mandibular periosteum] Onoe Y. Shikwa Gakuho 71:1063-111, Mar 71 (Jap)
[Studies on the effect of vibration on the thyroid gland function] Jureczak ME.
Acta Physiol Pol 21:671-5, Sep-Oct 70 (Pol)
[Behavior of acid phosphatase and thiamine pyrophosphatase in spinal cord motor neurons of rat upon exposure to mechanical vibrations] Jonek J, et al. Neuropatol Pol 9:47-52, 1971 (Pol)
[Morphology of vessels of certain endocrine glands in dogs exposed to whole-body vertical vibration] Rakhimov IaA, et al.
Arkh Anat Gistol Embriol 58:43-9, Nov 70 (Rus)
[Change in the enzymatic activity of myosin under the effect of low-frequency mechanical vibration] Romanov SN, et al.
Biofizika 14:233-9, Mar-Apr 69 (Rus)
[The effect of vibration and its combination with heat on the peripheral circulation] Kandror IS, et al.
Biull Eksp Biol Med 69:26-9, Jun 70 (Rus)
[Change in the stimulation threshold of the epicardium and pericardium in inflammation and vibration of the chest wall] Maliarenko IuE, et al.
Biull Eksp Biol Med 68:20-3, Nov 69 (Rus)
[Model representations of the human operator biomechanical system subject to random vibration] Potemkin BA, et al.
Dokl Akad Nauk SSSR 197:1284-7, 21 Apr 71 (Rus)
[The effect of longitudinally acting vibrations with different parameters on muscle receptors] Meliia AS.
Fiziol Zh SSSR 56:589-96, Apr 70 (Rus)
[Effect of sinusoidal vibration of different frequency and amplitude on the skin receptors] Meliia AS.
Fiziol Zh SSSR 56:1750-7, Dec 70 (Rus)
[An electromyographic study of trace processes following prolonged vibration stimulation of proprioceptors] Ruzybakiev RM.
Fiziol Zh SSSR 56:1125-9, Aug 70 (Rus)
[Complex laboratories for measuring vibration and noise] Guzeev OE, et al.
Gig Sanit 35:100-1, Apr 70 (Rus)
[Effect of whole-body vertical vibration on the gastric mucosa of albino rats] Iakubovich TG, et al.
Gig Sanit 35:96-100, Dec 70 (Rus)
[Hygienic evaluation of measures for the control of vibration disease at the Kiev artistic glass factory] Zelenyĭ VI, et al. Gig Sanit 36:93-4, 1971 (Rus)
[Results of long-term dispensary observation of foundry cleaners] Beider SI.
Gig Tr Prof Zabol 15:41-3, Jan 71 (Rus)
[Mechanism of changes in certain functions of the visual analyzer under the effect of vibration] Chagelishvili AD.
Gig Tr Prof Zabol 14:26-30, Nov 70 (Rus)
[Sociohygienic importance of vibration disease and means of its prevention] Dogle NV, et al.
Gig Tr Prof Zabol 14:8-11, Jul 70 (Rus)
[Functional status of capillary permeability in patients with vibration disease] Dzirinskiĭ AA, et al.
Gig Tr Prof Zabol 15:43-5, Jan 71 (Rus)
[Vibration disease in ballast tamper operators and possible means of its prevention] Kandror IS, et al.
Gig Tr Prof Zabol 14:11-4, Jul 70 (Rus)
[Functional status of the stomach and liver in vibration disease] Labadze PF.
Gig Tr Prof Zabol 14:30-2, Jul 70 (Rus)
[Mechanism of disorders of the function of the neuromuscular apparatus under the effect of vibration] Lebedeva AF, et al.
Gig Tr Prof Zabol 14:15-8, Jul 70 (Rus)
[Effect of the frequency and time of action of vibration on the status of the peripheral circulation in man] Malinskaia NN, et al.
Gig Tr Prof Zabol 15:9-13, Jan 71 (Rus)
[Level of potassium, calcium and phosphorus in the blood serum of patients with vibration disease] Naicha IF. Gig Tr Prof Zabol 14:47-8, Jul 70 (Rus)
[Static muscular strength in working with manual pneumatic drills] Paran'ko NM.
Gig Tr Prof Zabol 14:18-21, Jul 70 (Rus)
[Vibration and noise of open-pit excavators and their effect on the status of health of miners] Riadov NA.
Gig Tr Prof Zabol 14:21-4, Jul 70 (Rus)
[Effect of simultaneous continuous exposure to low frequency vibration and noise on the functional status of the pituitary-adrenal cortex system] Sinitsina AD, et al. Gig Tr Prof Zabol 14:42-4, Jul 70 (Rus)
[Dynamics of skeletal changes in vibration disease and its relation to the nature of work placement of patients] Sokolik LI, et al.
Gig Tr Prof Zabol 14:28-30, Jul 70 (Rus)
[Complex effect of vibration and x-radiation on the acquiring and preservation of a maze habit in rats] Skobeev EM.
Radiobiologiia 10:715-9, Sep-Oct 70 (Rus)
[A technic for measuring vibration in teeth during cavity preparation] Ivashchenko GM, et al.
Stomatologiia (Mosk) 50:70, Jan-Feb 71 (Rus)
[The influence of the method of cavity preparation on the vibration of the tooth] Shorin VD, et al.
Stomatologiia (Mosk) 50:71-2, Jan-Feb 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Effect of low-frequency vibration on the fertility of rotifers] Kiro MB. Tsitologiia 12:927-9, Jul 70 (Rus)

ADVERSE EFFECTS

The influence of vibration on ultrastructure of spinal cord motoneurons. Konecki J, et al.
Acta Med Pol 12:219-23, 1971

Effect of vibration on the alimentary tract function. Jurczak ME. Acta Physiol Pol 22:282-93, 1970

Vibration syndrome. McCallum RI.
Br J Ind Med 28:90-3, Jan 71

Vibration syndrome in Forestry Commission chain saw operators. Taylor W, et al. Br J Ind Med 28:83-9, Jan 71

Applicance of the functional test for investigations on the skin surface temperature at impending vibration disease. Banaszkiewicz T, et al.
Bull Inst Mar Med Gdansk 21:147-62, 1970

Influence of the change of work on the course of vibration disease. Gwoździewicz J, et al.
Bull Inst Mar Med Gdansk 21:163-73, 1970

Significance of the age at starting work with percussive tools in the genesis of vibration disease. Wasiewicz J, et al. Bull Inst Mar Med Gdansk 21:175-88, 1970

Vibration disease: report of an early Australian case with discussion. Wilson HG, et al.
Med J Aust 2:417, 29 Aug 70

Influence of vibrations on some indices of reactivity, with inferences on hygienic standardization. Petrova A. Nauchni Tr Vissh Med Inst Sofiia 49:53-62, 1970

Studies on the effect of vibration on the peripheral blood vessels. Kozmińska A, et al.
Pol Med J 9:1236-45, 1970

[Effect of sound vibrations on serum aldolase and alkaline phosphatase] Anitescu C, et al.
Arch Mal Prof 30:505-10, Sep 69 (Fre)

[Subjects interesting to the practicing dentist] Schmidt HJ. DDZ 24:507-10, Nov 70 (Ger)

[Angiographic studies on vibration-induced vascular changes] Horváth F, et al.
Fortschr Geb Roentgenstr Nuklearmed 113:164-9, Aug 70 (Ger)

[Results of a serial mass screening of 60 tractor drivers on health damage by noise and vibration.] Seidel B, et al. Z Gesamte Hyg 16:447-50, 1 Jun 70 (Ger)

[Reports on cases of non insured vibratory angiopathies] Govoni M, et al.
Folia Med (Napoli) 52:824-36, Dec 69 (Ita)

[Vascular diseases caused by vibration: medico-legal considerations on a case of ulnar arteriopathy] Rondelli A. Folia Med (Napoli) 52:890-907, Dec 69 (Ita)

[Nosographic classification of diseases caused by vibratory machines by means of angiographic examination] Feltrin G, et al.
Minerva Cardioangiol 18:671-5, Dec 70 (Ita)

[Effect of cyproheptadine and indomethacin on Raynaud's phenomenon. Raynaud's disease and angioneurosis caused by vibration instruments] Nattero G, et al.
Minerva Cardioangiol 18:610-5, Nov 70 (Ita)

[Raynaud 's syndrome of the upper limbs secondary to microtrauma] Borri P, et al.
Minerva Chir 25:789-801, 15 Jun 70 (Ita)

[Recent knowledge on the effects of flying on the urinary tract] La Marca L.
Riv Med Aeronaut Spaz 33:330-68, Jul-Sep 70 (Ita)

[Noise and vibration] Okada A.
Naika 27:864-9, May 71 (Jap)

[Neuropathy caused by vibrations] Eskenasy J.
Stud Cercet Neurol 15:211-29, 1970 (Rum)

[Effect of infrasound on the human organism] Andreeva-Galanina ETs, et al.
Gig Sanit 35:65-9, Nov 70 (Rus)

[Vascular damage of the eye in vibration disease] Buzalo AF. Oftalmol Zh 25:434-7, 1970 (Rus)

[Vibration disease and possibilities of the effect of vibration on the osteoarticular structure of the hand in helicopter pilots] Pjerotić A.
Vojnosanit Pregl 27:534-7, Nov 70 (Cro)

[Repercussions of the auditory-vibratory and kinetic factors on the statoacoustic apparatus in a ship crew] Slišković Z. Vojnosanit Pregl 27:593-6, Dec 70 (Cro)

VIBRIO (B3)

Vibrio cholerae enterotoxin and its mode of action. Pierce NF, et al. Bacteriol Rev 35:1-13, Mar 71 (94 ref.)

Thermal inactivation of Vibrio el tor phage Ph-1. Maiti M, et al. Bull Calcutta Sch Trop Med 17:77-9, Jul 69

pH inactivation of Vibrio el tor phage, Ph-I. Maiti M, et al. Bull Calcutta Sch Trop Med 17:119-20, Oct 69

Action of cholera phages on rough strains of classical Vibrio cholerae. Sanyal SN, et al.
Bull Calcutta Sch Trop Med 17:3-9, Jan 69

A comparison of strains of so-called NAG vibrios with those of strains of Vibrio cholerae. Sen R.
Indian J Med Res 58:1528-35, Nov 70

Isolation and characterization of a bacteriophage for Vibrio fetus. Bryner JH, et al. J Virol 6:94-9, Jul 70

Determination of the hemolytic activity of Vibrio cholerae. Sakazaki R, et al.
Jap J Med Sci Biol 24:83-91, Apr 71

Stimulation of intestinal adenyl cyclase by cholera toxin. Sharp GW, et al.
Nature (Lond) 229:266-9, 22 Jan 71

[Vibrio fetus sepsis in thrombophlebitis] Blasius C, et al. Zentralbl Bakteriol [Orig] 214:17-22, 1970 (Ger)

[El Tor cholera] Budai J, et al.
Orv Hetil 112:15-8, 3 Jan 71 (Hun)

[Bacteriological studies on cholera. 2. Application of kappa type phage in the diagnosis of cholera in the endemic area] Shimodori S.
Acta Med (Fukuoka) 40:305-13, Jun 70 (Jap)

[Clinical bacteriology of cholera] Fukumi H.
Naika 26:480-3, Sep 70 (Jap)

[Current problems of epidemiology and prevention of El Tor cholera] Teodorovici G.
Rev Med Chir Soc Med Nat Iasi 75:1-7, Jan-Mar 71 (Rum)

[The effect of cholera vibrion endotoxins on liver mitochondria respiration in the absence of Krebs cycle substrates] Dzhaparidze MN, et al.
Biull Eksp Biol Med 69:66-9, Apr 70 (Rus)

ANALYSIS

Purification of monotrichous flagella of Vibrio parahaemolyticus. Miwatani T, et al.
Biken J 13:149-55, Sep 70

[The effects of cholerogen and isolated cellular components of V. cholerae] Zykin LF, et al. Zh Mikrobiol Epidemiol Immunobiol 47:36-43, Sep 70 (Rus)

[Comparative characteristics of the polysaccharide-containing complexes of whole cells and cellular walls of the parachloreric vibrions] Efremova VI, et al. Mikrobiol Zh 33:7-12, 1971 (Ukr)

CLASSIFICATION

A revised classification of Vibrio fetus. Berg RL, et al.
Am J Vet Res 32:11-22, Jan 71

A specific phage for pathogenic Vibrio cholerae, biotype El Tor (phi-H74-64). Basu S, et al.
Bull WHO 43:509-12, 1970

A note on designating strains as Vibrio cholerae biotype el tor. Sen R, et al.
Indian J Med Res 58:174-8, Feb 70

Polyphasic taxonomy of the genus Vibrio: polynucleotide sequence relationships among selected Vibrio species. Citarella RV, et al.
J Bacteriol 104:434-42, Oct 70

Polyphasic taxonomy of the genus vibrio: numerical taxonomy of Vibrio cholerae, Vibrio parahaemolyticus, and related Vibrio species. Colwell RR. J Bacteriol 104:410-33, Oct 70

Tryptophanase-positive bacteria in the marine environment. Klug MJ, et al.
J Bacteriol 106:283-5, Apr 71

[A comparative study of pelagic Vibrio species and their nonmarine homologous strains: biochemical and nutritional characters and numerical taxonomy] Bianchi MA. Arch Mikrobiol 77:127-39, 1971 (Fre)

[Study of Vibrio cholerae strains isolated in Iran and Irak during the 1965-1966 epidemic] Moureau MH. Bull Soc Pathol Exot 63:142-54, Mar-Apr 70 (Fre)

[Classification and definition of the cholera bacillus] Veron M. Med Trop (Mars) 31:31-9, Jan-Feb 71 (Fre)

[Differentiation of vibrions from related microorganisms] Voronezhskaia LG, et al.
Lab Delo 11:666-8, 1970 (Rus)

[Composition of populations of El Tor cholera vibrios according to lysogenicity] Somova AG.
Zh Mikrobiol Epidemiol Immunobiol 48:44-9, Jun 71 (Rus)

CYTOLOGY

Ultrastructure of a marine psychrophilic Vibrio. Kennedy SF, et al. Can J Microbiol 16:1027-31, Nov 70

DRUG EFFECTS

Effects of furazolidone on the macromolecular synthesis and morphology of Vibrio cholerae cells. Raychaudhuri C, et al.
Biochim Biophys Acta 222:637-46, 29 Dec 70

Effect of ethylenediamine tetra-acetic acid (EDTA) on cholera and el tor vibrios. Adhikary P, et al.
Bull Calcutta Sch Trop Med 17:6-8, Jan 69

Bacteriocin production by Vibrio cholerae. I. Effects of vibriocins on Vibrio cholerae. Datta A, et al.
Indian J Med Res 57:1402-8, Aug 69

Mechanism of action of berberine on Vibrio cholerae and vibrio cholerae biotype eltor. Modak S, et al.
Indian J Med Res 58:1510-22, Nov 70

Studies on intestopan resistant vibrios. Sasmal D, et al.
Indian J Med Res 59:526-9, Apr 71

Studies on the mechanism of inhibition of growth of Vibrio cholerae by erythrose. Nath J, et al.
J Gen Microbiol 62:17-25, Jul 70

Antibiotic sensitivity pattern of vibrio strains isolated from different parts of India during 1968. Misra BS, et al. J Indian Med Assoc 55:311-3, 1 Nov 70

[Salt tolerance of respiration and light emission of Vibrio luminosus] Kössler F.
Z Allg Mikrobiol 10:615-25, 1970 (Ger)

[Inactivation of colicine by the supernatant from the culture fluid of Vibrio cholerae] Naito T, et al.
Med Biol (Tokyo) 81:69-72, 10 Aug 70 (Jap)

[Effect of bactericidal concentrations of chemotherapeutic compounds on El-Tor and the classical cholera vibrios depending on the time of contact and the inoculation dose] Ganin VS, et al.
Antibiotiki 15:712-5, Aug 70 (Rus)

ENZYMOLOGY

Enzymoserological relationships between Vibrio comma and other gram-negative organisms. Sandvik O, et al.
Acta Pathol Microbiol Scand [B] 79:285-90, 1971

Hemolysins and related enzymes of Vibrio parahaemolyticus. I. Identification and partial purification of enzymes. Yanagase Y, et al.
Biken J 13:77-92, Jun 70

Anion-activated 5'-nucleotidase in cell envelopes of a slightly halophilic Vibrio alginolyticus. Hayashi M, et al. Biochim Biophys Acta 220:244-55, 11 Nov 70

The release of periplasmic phosphoesterases from Vibrio cholerae and Vibrio eltor. Datta BC, et al.
Indian J Med Res 58:1505-9, Nov 70

Biohydrogenation of unsaturated fatty acids. 3. Purification and properties of a linoleate delta-12-cis, delta-11-trans-isomerase from Butyrivibrio fibrisolvens. Kepler CR, et al.
J Biol Chem 242:5686-92, 25 Dec 67

Hemolysis and related enzymes of Vibrio parahaemolyticus. Yanagase Y, et al.
Jap J Med Sci Biol 23:339-42, Oct 70

GROWTH & DEVELOPMENT

Enteric pathogen--normal flora interactions. Hentges DJ. Am J Clin Nutr 23:1451-6, Nov 70

Viable count of bacteria by agar-block-spread method. Chatterjee BD, et al.
Bull Calcutta Sch Trop Med 17:9-10, Jan 69

Chloride dependent growth stimulation of Vibrio cholerae (569B Inaba). Modak MJ, et al.
Indian J Exp Biol 8:242-3, Oct 70

[Utilization of mice macrophages to estimate the post-vaccinal anticholeraic immunity] Dodin A, et al.
C R Acad Sci [D] (Paris) 272:1189-91, 22 Feb 71 (Fre)

IMMUNOLOGY

An agar plaque method for quantitation of vibriocidal antibodies. Svennerholm AM, et al.
Acta Pathol Microbiol Scand [B] 79:448, 1971

Immunoserologic properties of antigens from Vibrio fetus of ovine origin. Myers LL, et al.
Am J Vet Res 31:1773-7, Oct 70

Typing of O antigens of Vibrio parahaemolyticus by a slide agglutination test. Montague TS, et al.
Appl Microbiol 21:949-50, May 71

Enzyme degrading Vibrio parahaemolyticus K15-antigen. Kuroda K, et al. Biken J 14:1-9, Mar 71

Antigens of Vibrio parahaemolyticus. II. Existence of two different subunits in the flagella of Vibrio parahaemolyticus and their characterization. Shinoda S, et al. Biken J 13:241-7, Dec 70

A common antigenic substance of Vibrio parahaemolyticus. II. Some physicochemical properties. Shinoda S, et al. Biken J 14:75-6, Mar 71

A comparative study of the heat-stable, water-soluble fraction and the acid-precipitable material of Vibrio fetus cultures. Choudari KV, et al.
Cornell Vet 61:3-12, Jan 71

Quantitative differences in antitoxic and antibacterial immunogenesis after live and killed enteral cholera vaccination. Bhattacharya P, et al.
Indian J Med Res 58:1569-77, Nov 70

Fertility and immune reaction of heifers vaccinated with an adjuvanted Vibrio fetus vaccine. Kendrick JW, et al. J Am Vet Med Assoc 158:1531-5, 1 May 71

Antibody plaque responses of mice given Vibrio cholerae antigen as neonates. Sajid MA, et al.
J Immunol 106:1301-5, May 71

Study of the role of non-agglutinating vibrios in the aetiogenesis of Asiatic cholera. Biswas S, et al.
J Indian Med Assoc 55:207-11, 1 Nov 70

Somatic antigen variation in Vibrio cholerae. Sakazaki R, et al. Jap J Med Sci Biol 24:93-100, Apr 71

A prototype live oral cholera vaccine. Howard BD.
Nature (Lond) 230:97-9, 12 Mar 71

Genetic differences in the immunocyte response of mice to separate determinants on one bacterial antigen. Cerny J, et al.
Nature [New Biol] 230:247-8, 21 Apr 71

Nonrandom distribution of vibriolytic foci in the spleen of mice lacking "background" antibody. Cerny J, et al.
Proc Soc Exp Biol Med 137:1021-5, Jul 71

[Sensitivity to bacteriophage IV of El-Tor vibrios isolated in South Vietnam] Vu-Qui-Dai, et al.
Bull Soc Pathol Exot 63:1000-5, Nov-Dec 69 (Fre)

[The precipitating antigens of Vibrio cholerae] Dodin A, et al. Med Trop (Mars) 31:67-75, Jan-Feb 71 (Fre)

[Immunofluorescent and agglutination reaction of Vibrio fetus] Bingöl R, et al.
Zentralbl Bakteriol [Orig] 215:316-9, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ISOLATION & PURIFICATION

Identification and characterization of cholera exotoxin in culture filtrates of V. cholerae. Holmgren J, et al. Acta Pathol Microbiol Scand [B] 79:448, 1971

Occurrence of Vibrio parahaemolyticus and related hemolytic vibrios in marine environments of Washington State. Baross J, et al. Appl Microbiol 20:179-86, Aug 70

Occurrence of Vibrio parahaemolyticus in estuarine waters and oysters of New Hampshire. Bartley CH, et al. Appl Microbiol 21:965-6, May 71

Isolation of Vibrio parahaemolyticus from the processed meat of Chesapeake Bay blue crabs. Fishbein M, et al. Appl Microbiol 20:176-8, Aug 70

Outbreak of El Tor cholera in Istanbul. Cetin ET, et al. Br Med J 4:435, 14 Nov 70

Isolation of Vibrio and allied organisms from cases of acute diarrhoea in Calcutta during 1969. Neogy KN, et al. Bull Calcutta Sch Trop Med 18:9-11, Jan 70

Isolation of Vibrio cholerae from nightsoil during epidemics of classical and El Tor Cholera in East Pakistan. Bart KJ, et al. Bull WHO 43:421-9, 1970

The isolation of Vibrio parahaemolyticus and related halophilic bacteria from Canadian Atlantic shellfish. Thomson WK, et al. Can J Microbiol 17:545-9, Apr 71

The isolation and identification of vibrio cholera--a review. Balows A, et al. Health Lab Sci 8:167-75, Jul 71 (50 ref.)

Study of Vibrio parahaemolyticus from cases of diarrhoea in Calcutta. Chatterjee BD, et al. Indian J Med Res 58:234-8, Feb 70

Isolation of Vibrio cholerae from a well water during a small outbreak of cholera. Godbole SH, et al. Indian J Med Sci 24:484-6, Aug 70

Simplified technique for collection of preputial samples from bulls for isolation of Vibrio fetus. Gibson CD, et al. J Am Vet Med Assoc 157:834-6, 15 Sep 70

V. Cholerae (biotype El Tor) infection in Patna. Deo LR, et al. J Indian Med Assoc 55:315-7, 1 Nov 70

Cholera reinfection in man. Woodward WE. J Infect Dis 123:61-6, Jan 71

Characteristics of non-cholera vibrios isolated from patients with diarrhoea. Chatterjee BD, et al. J Med Microbiol 3:677-82, Nov 70

The placental localisation of Vibrio fetus. Lowrie DB, et al. J Med Microbiol 3:607-14, Nov 70

Effect of chemotherapy on the duration of diarrhoea, and on vibrio excretion by cholera patients. Francis TI, et al. J Trop Med Hyg 74:172-6, Aug 71

The vibrios. Fifield CW. JAMA 215:487, 18 Jan 71

Vibrio agar: a new plating medium for isolation of Vibrio cholerae. Tamura K, et al. Jap J Med Sci Biol 24:125-7, Apr 71

Cholera vibrios in West Bengal. Neogy KN, et al. Lancet 1:347, 13 Feb 71

Vibrio parahaemolyticus in oysters. Wallace RB, et al. Med J Aust 1:982, 1 May 71

[Isolation and identification of vibrio cholerae] Causse G, et al. Med Trop (Mars) 31:41-54, Jan-Feb 71 (Fre)

[Cholera vibrios and bacteriophages] Nicolle P, et al. Med Trop (Mars) 31:59-65, Jan-Feb 71 (Fre)

[Detection and identification of cholera vibrios, with special reference to rapid diagnosis and application of kappa-type phage] Zinnaka Y, et al. J Jap Assoc Infect Dis 45:43-9, Feb 71 (33 ref.) (Jap)

[Laboratory diagnosis of cholera] Popovici M. Microbiol Parazitol Epidemiol (Bucur) 16:253-62, May-Jun 71 (Rum)

[Comparative study of egg yolk and alkaline agars for separations of Vibrio acid-producers from water] Zyrianov AI. Lab Delo 4:208-10, 1970 (Rus)

[Serological typing of fetal and saprophytic vibrios] Shatalov VF. Veterinariia 12:25-7, Dec 70 (Rus)

METABOLISM

Influence of Na+ on synthesis of macromolecules by a marine bacterium. Webb CD, et al. Appl Microbiol 21:1080-8, Jun 71

Release of P-32 compounds from labelled Vibrio cholerae and Vibrio el tor in ethanol. Chaudhuri CR, et al. Bull Calcutta Sch Trop Med 17:5-6, Jan 69

Some features of V. cholerae "Slime". Neogy KN, et al. Bull Calcutta Sch Trop Med 17:114-5, Oct 69

Effect of berberine on the fatty acid composition of Vibrio cholerae and Vibrio cholerae biotype eltor. Modak MJ, et al. Indian J Med Res 58:1523-7, Nov 70

Symposium on microbial changes in foods. Factors affecting the production of bacterial food poisoning toxins. Baird-Parker AC. J Appl Bacteriol 34:181-97, Mar 71

Vibrio cholerae: production of toxin by a nonpathogenic strain. Blachman U, et al. J Infect Dis 122:540-3, Dec 70

[Regulation processes of growth, respiration and bioluminescence in luminous bacteria] Kössler F. Z Allg Mikrobiol 10:475-86, 1970 (Ger)

[Gelatin liquefaction by the supernatant of the culture fluid of Vibrio cholerae] Nasu M, et al. Med Biol (Tokyo) 81:81-4, 10 Aug 70 (Jap)

[Casein digestion by the supernatant of the culture fluid of Vibrio cholerae] Nasu M, et al. Med Biol (Tokyo) 81:85-8, 10 Aug 70 (Jap)

PATHOGENICITY

Infectivity of three vibrio fetus biotypes for gallbladder and intestines of cattle, sheep, rabbits, guinea pigs, and mice. Bryner JH, et al. Am J Vet Res 32:465-70, Mar 71

Metabolism of Campylobacter spp. (Vibrio spp.) in connexion with pathogenicity and the use of neuraminidase to suppress pregnancy. Morris JA, et al. Nature (Lond) 232:132-3, 9 Jul 71

PHYSIOLOGY

Survival of Vibrio parahaemolyticus in fish homogenate during storage at low temperatures. Matches JR, et al. Appl Microbiol 21:951-2, May 71

VIBRIO INFECTIONS (C1)

[Meningitis and diarrhea caused by Vibrio fetus. Apropos of a case in an infant] Fleurette J, et al. Presse Med 79:480-2, 27 Feb 71 (Fre)

[Vibrio fetus sepsis in thrombophlebitis] Blasius C, et al. Zentralbl Bakteriol [Orig] 214:17-22, 1970 (Ger)

[Vibrio enteritis] Takikawa I. Naika 27:443-4, Mar 71 (Jap)

COMPLICATIONS

Lung abscess secondary to vibrio fetus, malabsorption syndrome and acquired agammaglobulinemia. Lawrence R, et al. Chest 60:191-4, Aug 71

Human infection by Vibrio fetus. Cooper IA, et al. Med J Aust 1:1263-7, 12 Jun 71

Neurology of Vibrio fetus infection. Gunderson CH, et al. Neurology (Minneap) 21:307-9, Mar 71

[2 new cases of septicemias due to campylobacter foetus] Armengaud M, et al. Lyon Med 225:Suppl:49-53, 1971 (Fre)

DIAGNOSIS

A case of human vibriosis. McDonald S, et al. Can Med Assoc J 103:951-2, 24 Oct 70

[Immunofluorescence of Vibrio fetus] Bingöl R, et al. Zentralbl Veterinaermed [B] 16:799-807, Dec 69 (Ger)

ETIOLOGY

Raw liver as a possible source of Vibrio fetus septicemia in man. Soonattrakul W, et al. Am J Med Sci 261:245-9, May 71

IMMUNOLOGY

Infection with Vibrio fetus in the immunologically immature fetal calf. Osburn BI, et al. J Infect Dis 123:32-40, Jan 71

METABOLISM

Amino acid and nitrogen metabolism in chick embryos infected with Staphylococcus aureus or Vibrio cholerae. Walker RI, et al. Tex Rep Biol Med 29:141-7, Spring 71

OCCURRENCE

Vibrio parahaemolyticus in Calcutta. Neogy KN. J Indian Med Assoc 55:322-3, 1 Nov 70

The vibrios. Fifield CW. JAMA 215:487, 18 Jan 71

[Distribution of nonagglutinating vibrios among humans and their surroundings] Domaradskii IV, et al. Zh Mikrobiol Epidemiol Immunobiol 48:52-5, Jan 71 (Rus)

[Lake frogs, fish and water crayfish as potential reservoirs of vibrios in nature] Mukhamedov SM, et al. Zh Mikrobiol Epidemiol Immunobiol 48:56-9, Jan 71 (Rus)

VETERINARY

Vibriosis (Vibrio anguillarum) as an epizootic disease in rainbow trout (Salmo gairdneri). Holt G. Acta Vet Scand 11:600-3, 1970

Efficacy of combined bacterins for experimental immunization of sheep against ovine vibriosis and chlamydial abortion of ewes. Meinershagen WA, et al. Am J Vet Res 32:51-7, Jan 71

Immunoserologic properties of antigens from Vibrio fetus of ovine origin. Myers LL, et al. Am J Vet Res 31:1773-7, Oct 70

Experimentally induced Vibrio fetus var. intestinalis infection in pregnant cows. Osburn BI, et al. Am J Vet Res 31:1733-41, Oct 70

The effect of vaccination against bovine vibriosis on pregnancy rates in heifers in a northern Queensland beef herd. Allan PJ, et al. Aust Vet J 47:184-5, May 71

Review of bovine vibriosis. Clark BL. Aust Vet J 47:103-7, Mar 71 (50 ref.)

Bovine vibriosis in two herds of beef cattle in Northern Queensland. Donaldson LE, et al. Aust Vet J 46:500-2, Oct 70

A study of complement-fixation and serum agglutination tests on vibrio fetus infected and immunized cattle. Ruckerbauer GM, et al. Can J Comp Med 35:203-7, Jul 71

Simplified technique for collection of preputial samples from bulls for isolation of Vibrio fetus. Gibson CD, et al. J Am Vet Med Assoc 157:834-6, 15 Sep 70

Fertility and immune reaction of heifers vaccinated with an adjuvanted Vibrio fetus vaccine. Kendrick JW, et al. J Am Vet Med Assoc 158:1531-5, 1 May 71

[Therapeutic measures in vibriosis at a veterinary artificial insemination station] Luchko MA, et al. Veterinariia 10:105-7, Oct 70 (Rus)

[Serological typing of fetal and saprophytic vibrios] Shatalov VF. Veterinariia 12:25-7, Dec 70 (Rus)

VIBROCARDIOGRAPHY see

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VINBLASTINE (D2, D4)

Properties of colchicine binding protein from chick embryo brain. Interactions with vinca alkaloids and podophyllotoxin. Wilson L. Biochemistry 9:4999-5007, 8 Dec 70

ADMINISTRATION & DOSAGE

The Yale combination chemotherapy program for advanced Hodgkin's disease. A preliminary report. Levitt M, et al. Conn Med 34:862-6, Dec 70

[Trial of anticancerous polychemotherapy associating amethopterin, vinblastine and cyclophosphamide] Chauvergne J, et al. Bord Med 4:1531-44, May 71 (Fre)

[Further proposals for chemotherapeutic prophylaxis of recurrence of bronchial carcinoma] Karrer K, et al. Wien Med Wochenschr 121:112-20, 13 Feb 71 (Ger)

[Lymphography and intralymphatic infusion of chemotherapeutic drugs in tumor patients] Laletin VG. Vopr Onkol 17:96-100, 1971 (Rus)

ADVERSE EFFECTS

Effect of periwinkle alkaloids in idiopathic thrombocytopenic purpura. Sultan Y, et al. Lancet 1:496-7, 6 Mar 71

[Liver fibrosis after cytostatic therapy with vinblastine, administered during therapy of metastic neuroblastoma in childhood] Mahnke PF. Zentralbl Allg Pathol 114:189-96, 1971 (Ger)

[Toxicological aspects of antineoplastic chemotherapy with vincaleukoblastine: rapid intermittent intravenous therapy] Periti P, et al. Riv Ostet Ginecol 24:293-310, Oct 69 (Ita)

METABOLISM

Binding of colchicine-3H to vinblastine- and vincristine-induced crystals in mammalian tissue culture cells. Krishan A, et al. J Cell Biol 48:407-10, Feb 71

PHARMACODYNAMICS

Effects of vinblastine and colchicine on monoamine containing neurons of the rat, with special regard to the axoplasmic transport of amine granules. Dahlström A. Acta Neuropathol (Berl) 5:Suppl 5:226-37, 1971

Effect of mitosis inhibitors on the transport of amine storage granules in monoaminergic neurons in the rat. Dahlström A. Acta Physiol Scand 5, 1970

Electron microscopic observations on the distribution and transport of noradrenaline storage particles after local treatment with mitosis inhibitors. Hökfelt T, et al. Acta Physiol Scand 10-1, 1970

Effect of intravenous vinblastine on intraneuronal transport of noradrenaline in the rat. Keen P, et al. Acta Physiol Scand 13, 1970

Pharmacodynamic response of epidermal hyperplasias to topical vinblastine treatment. An electron microscopic study in mice. Stjernvall L. Acta Radiol [Diagn] (Stockh) Suppl 233:1+, 1963

Vinblastine: colchicine-like effects on human blood leukocytes during phagocytosis. Malawista SE. Blood 37:519-29, May 71

Amebpid movement induced in cultured macrophages by colchicine or vinblastine. Bhisey AN, et al. Exp Cell Res 64:419-29, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Vinblastine and microtubules. I. Induction and isolation of crystals from sea urchin oocytes. Bryan J. Exp Cell Res 66:129-36, May 71
Vinblastine induces multipolar mitoses in tetraploid human cells. Martin GM, et al. Exp Cell Res 63:466-7, Dec 70
Vinblastine-induced ribosomal complexes. Effect of some metabolic inhibitors on their formation and structure. Krishan A, et al. J Cell Biol 49:927-32, Jun 71
Influence of vinblastine sulphate on the deployment of microtubules and ribosomes in telotrophic ovarioles. Stebbings H. J Cell Sci 8:111-25, Jan 71
Glial filaments in the myelin sheath after vinblastine implantation. Hirano A, et al. J Neuropathol Exp Neurol 30:63-7, Jan 71
A possible role of microtubules in catecholamine release from the adrenal medulla: effect of colchicine, vinca alkaloids and deuterium oxide. Poisner AM, et al. J Pharmacol Exp Ther 177:102-8, Apr 71
Studies on the translocation of noradrenaline-containing vesicles in post-ganglionic sympathetic neurones in vitro. Inhibition of movement by colchicine and vinblastine and evidence for the involvement of axonal microtubules. Banks P, et al. J Physiol (Lond) 216:625-39, Aug 71
The effects of intravenous injections of vinblastine on adrenergic nerves. Bennett T, et al. J Physiol (Lond) 217:26P-27P, Aug 71
Effect of mitosis inhibitors on blood platelet microtubules and aggregation. Sneddon JM. J Physiol (Lond) 214:145-58, Apr 71
Cytotoxic effects of toxic culture filtrate of Penicillium purpurogenum and its toxic metabolite, rubratoxin B, on HeLa cells. Comparative study among the effects of rubratoxin B, colcemid and vinblastine. Umeda M, et al. Jap J Exp Med 40:409-23, Dec 70
Initiation of DNA synthesis in cell cultures by colcemid. Vasiliev JM, et al. Proc Natl Acad Sci USA 68:977-9, May 71
The effects of chemotherapeutic agents on the RNA metabolism of 90Sr-induced rat chloroleukemia. Nakai GS, et al. Proc Soc Exp Biol Med 136:1374-9, Apr 71
Effect of vinblastine on tissue cultures of human brain tumours. Afra D, et al. Ther Hung 18:150-5, 1970
Effects of two mitosis inhibitors (colchicine and vinblastine) on the distribution and axonal transport of noradrenaline storage particles, studied by fluorescence and electron microscopy. Hökfelt T, et al. Z Zellforsch Mikrosk Anat 119:460-82, 1971
[Action of vincaleucoblastine on the segmentation of the mouse egg in vitro] Gouget P, et al. C R Soc Biol (Paris) 164:1559-62, 1970 (Fre)
[Clinical experiences with vinblastine sulfate] Kühböck J, et al. Wien Klin Wochenschr 83:155-8, 19 Mar 71 (Ger)
[Action of vincaleukoblastine (VLB) on central and peripheral prolongations of the neurons of spinal ganglia cultured in vitro] Barasa A, et al. Boll Soc Ital Biol Sper 46:860-4, 30 Oct 70 (Ita)
[Effect and anti-lymphatic specificity of a combination of cyclophosphamide and vinblastine on normal lymphopoietic tissues in the mouse] Tognella S, et al. Haematol Lat 13:135-44, Apr-Jun 70 (Ita)
[Initiation of DNA synthesis in fibroblast-like mouse embryonal cell cultures under the action of substances disturbing microtubule formation] Vasil'ev IuM, et al. Dokl Akad Nauk SSSR 197:1425-8, 21 Apr 71 (Rus)

THERAPEUTIC USE

Skin ultrastructure in Letterer-Siwe disease treated with vinblastine. Mode of penetration of Langerhans granules into the nucleus. Gianotti F, et al. Br J Dermatol 84:335-45, Apr 71
Combination chemotherapy of Hodgkin's disease. McElwain TJ. Br J Haematol 21:362, Sep 71
Prolongation of survival in Hodgkin's disease. Aisenberg AC, et al. Cancer 27:802-5, Apr 71
A randomized study of irradiation and vinblastine in lung cancer. Coy P. Cancer 26:803-7, Oct 70
Effect of topical cyclophosphamide, methotrexate and vinblastine on 9,10-dimethyl-1,2-benzanthracene (DMBA)--carcinogenesis in the hamster cheek pouch. Levij IS, et al. Eur J Cancer 6:187-93, Jun 70
Age responses to x rays, Vinca alkaloids, and hydroxyurea of murine lymphoma cells synchronized in vivo. Madoc-Jones H, et al. J Natl Cancer Inst 45:1131-43, Dec 70
Vinblastine sulphate in idiopathic thrombocytopenic purpura. Marmont AM, et al. Lancet 2:94, 10 Jul 71
[Failure of vincaleucoblastine in the treatment of a case of malignant histio-monocytic reticulosis] Marilli FG, et al. Bull Soc Fr Dermatol Syphiligr 76:200-2, 1969 (Fre)
[Experiences with individual cytostatic therapy of malignant tumors following pretherapeutic sensitivity test to cytostatics in vitro (oncobiogram)] Tanneberger S, et al. Arch Geschwulstforsch 35:44-53, 1970 (Ger)
[Studies on the problem of combined radiologic-cytostatic therapy. 10. Syncytostatic studies with vinblastine sulfate] Ringleb D, et al. Strahlentherapie 141:599-603, May 71 (Ger)
[Clinical experiences with vinblastine sulfate] Kühböck J, et al. Wien Klin Wochenschr 83:185-8, 19 Mar 71 (Ger)
[Therapeutic trial of a combination of cytostatic agents in advanced ovarian carcinoma] Brandl K. Zentralbl Gynaekol 92:233-9, 21 Feb 70 (Ger)
[Histiocytosis X in a 15-month-old body treated successfully with vinblastine and prednisolone] Scalercio A, et al. Minerva Pediatr 21:2474-84, 29 Dec 69 (Ita)
[On the treatment of pulmonary carcinoma by means of vincristine-methotrexate associated with telecobalt therapy] Nervi C, et al. Policlinico [Med] 76:227-34, Jul-Aug 69 (Ita)
[Veibe in the treatment of Hodgkin's disease] Kotlarek-Haus S, et al. Pol Tyg Lek 26:1002-5, 28 Jun 71 (Pol)
[Results of vincaleukoblastine treatment of Hodgkin's disease] Pawlowski J, et al. Pol Tyg Lek 26:863-5, 7 Jun 71 (Pol)

TOXICITY

Comparative studies concerning the tumour inhibition and the toxicology of vinblastine and vincristine. Németh L, et al. Neoplasma 17:345-7, 1970

VINCALEUKOBLASTINE see VINBLASTINE

(D2, D4)

VINCENT'S INFECTION (C1, C4)

Patient education about necrotizing gingivitis. Klingsberg J. NY State Dent J 37:413-6, Aug-Sep 71
Necrotizing ulcerative gingivitis in drug addict patients being withdrawn from drugs. Report of two cases. Davis RK, et al. Oral Surg 31:200-4, Feb 71
[Ulcerating, necrosing gingivitis] Silvia G, et al. ADM 27:39-48, Jan-Feb 70 (Spa)
[Acute necrosing ulcerating gingivitis (Guna)] De la Roche J. Rev Fed Odontol Colomb 18:58-66, Jul-Sep 69 (Spa)

DRUG THERAPY

The use of nitrimidazine in the treatment of acute ulcerative gingivitis. A double-blind controlled trial. Loxdan J, et al. Br Dent J 130:294-6, 6 Apr 71
Clinical trials of treatment for acute periodontal diseases. Emslie RD. Int Dent J 21:33-40, Mar 71
Antibiotics in the practice of periodontics. Holroyd SV. J Periodontol 42:584-9, Sep 71
Topical treatment of acute ulcerative gingivitis: a comparison of vancomycin with penicillin and metronidazole. Emslie RD, et al. Parodontologie 25:3-8, Mar 71

ENZYMOLOGY

Erythrocyte catalase activity in human ulceromembranous gingivitis. Nicol AD, et al. Arch Oral Biol 16:21-8, Jan 71

ETIOLOGY

Body geometry of patients who had recurrent attacks of acute necrotizing ulcerative gingivitis. Clark RE, et al. Arch Oral Biol 16:205-13, Feb 71

IMMUNOLOGY

Cell-mediated immunity and humoral antibodies in acute ulcerative gingivitis. Wilton JM, et al. J Periodont Res 6:9-16, 1971

OCCURRENCE

A study of the effect of age and season on the incidence of ulcerative gingivitis. Skach M, et al. J Periodont Res 5:187-90, 1970
[Occurrence of ulcerative gingivitis in relation to age and period of the year] Skach M, et al. Cesk Stomatol 71:102-5, Mar 71 (Cze)
[The incidence of gingivitis ulcerosa in the city of Szeged and its suburbs] Mikiós I. Fogorv Sz 64:145-8, May 71 (Hun)

PATHOLOGY

[The initial lesion in ulcerative gingivitis] Plüss E, et al. Schweiz Monatsschr Zahnheilkd 81:499-514, Jun 71 (Ger)

VETERINARY

Feline viruses. X. Characterization of a newly-isolated picornavirus causing interstitial pneumonia and ulcerative stomatitis in the domestic cat. Kahn DE, et al. Cornell Vet 60:569-83, Oct 70
Use of o-phenylphenol for the prevention and treatment of ulcerative stomatitis in crotalid snakes. Bonilla CA, et al. Toxicon 9:177-8, Apr 71

VINCRISTINE (D2, D4)

Rosette formation leads to reopening of the neural tube in the rat embryo caused by vincristine given to the mother immediately before organogenesis. Murakami U. Annu Rep Res Inst Environ Med Nagoya Univ 18:45-7, 1970
Properties of colchicine binding protein from chick embryo brain. Interactions with vinca alkaloids and podophyllotoxin. Wilson L. Biochemistry 9:4999-5007, 8 Dec 70

ADMINISTRATION & DOSAGE

Successful remission induction in children with acute lymphocytic leukemia at high risk for treatment failure. Aur RJ, et al. Cancer 27:1332-6, Jun 71
Combined actinomycin D and vincristine in the treatment of patients with cancer. Chanes RE, et al. Cancer 27:613-7, Mar 71
Combined cyclophosphamide vincristine, and prednisone therapy of malignant lymphoma. Luce JK, et al. Cancer 28:306-17, Aug 71
Drug dosage and remission duration in childhood lymphocytic leukemia. Pinkel D, et al. Cancer 27:247-56, Feb 71
The Yale combination chemotherapy program for advanced Hodgkin's disease. A preliminary report. Levitt M, et al. Conn Med 34:863-6, Dec 70
Preliminary result of a new protocol for the active immunotherapy of acute lymphoblastic leukaemia: inhibition of the immunotherapeutic effect by Vincristine or Adamantadine. Mathé G, et al. Rev Eur Etud Clin Biol 16:216-24, Mar 71
[Effects of the method of reinduction during the treatment of acute lymphoblastic leukemia] Jacquillat C, et al. Therapeutique 47:403-5, Apr 71 (Fre)
[Vincristine in the therapy of spasticity] Freund HJ, et al. Dtsch Med Wochenschr 96:1155-9, 2 Jul 71 (Ger)

ADVERSE EFFECTS

Irradiation of the liver in children: acute effects enhanced by concomitant chemotherapeutic administration? Tefft M, et al. Am J Roentgenol Radium Ther Nucl Med 111:165-73, Jan 71
Preliminary observations on the effects of repetitive stimulation during neuromyopathies induced by vincristine. Metral S, et al. Electroencephalogr Clin Neurophysiol 30:368, Apr 71
Fatal lung disease during cytotoxic therapy. Bauer GP, et al. Folia Med Neerl 13:191-200, 1970
Experimental vincristine myopathy--a histochemical, ultrastructural and biochemical study. Karpati G, et al. J Neuropathol Exp Neurol 30:137, Jan 71
Effect of periwinkle alkaloids in idiopathic thrombocytopenic purpura. Sultan Y, et al. Lancet 1:496-7, 6 Mar 71
Vincristine and alopecia. Helson L, et al. N Engl J Med 284:336, 11 Feb 71
Scalp tourniquet to lessen alopecia after vincristine. O'Brien R, et al. N Engl J Med 283:1469, 24 Dec 70
[Effects of repetitive stimulations during neuropathies due to vincristine. Preliminary observations] Metral S, et al. Rev Neurol (Paris) 123:275-9, Oct 70 (Fre)
[Pathogenesis of epileptiform seizures in acute leucosis in childhood] Panoff A. Arch Kinderheilkd 183:83-8, May 71 (Ger)
[Vincristine polyneuritis] Daun H, et al. Fortschr Neurol Psychiatr 39:151-65, Mar 71 (Ger)

METABOLISM

Binding of colchicine-3H to vinblastine- and vincristine-induced crystals in mammalian tissue culture cells. Krishan A, et al. J Cell Biol 48:467-10, Feb 71

PHARMACODYNAMICS

The effect of vincristine on the platelet count in rats. Robertson JH, et al. Br J Haematol 19:331-7, Sep 70
Vincristine-induced axonal alterations in rat peripheral nerve. Schlaepfer WW. J Neuropathol Exp Neurol 30:488-505, Jul 71
A possible role of microtubules in catecholamine release from the adrenal medulla: effect of colchicine, vinca alkaloids and deuterium oxide. Poisner AM, et al. J Pharmacol Exp Ther 177:102-8, Apr 71
A peculiar crystalline structure in neurons of rabbits treated with vincristine. Kotorii K, et al. Kurume Med J 18:57-63, 1971
Biochemical and electron microscope studies of rat embryos in in vitro culture. Krowke R, et al. Naunyn Schmiedebergs Arch Pharmakol 266:382-3, 1970
[Synchronization of Ehrlich ascites tumor cells and its importance in the use of an alkylating cytostatic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

agent] Klein HO, et al.
Klin Wochenschr 48:1001-5, 15 Aug 70 (Ger)
[Mitosis blockade in the epidermis caused by vincristine sulfate] Tritsch H, et al.
Klin Wochenschr 48:950-1, 1 Aug 70 (Ger)
[Combination of short time incubation and long time culture in testing human tumor cells with cytostatics] Rabes H, et al. Z Krebsforsch 74:295-303, 1970 (Ger)
[In vitro cytotoxic effects of antineoplastic agents on malignant tumor cells derived from children] Omi K.
Acta Paediatr Jap 75:537-46, 1971 (Jap)

THERAPEUTIC USE

Further clinical studies of combination chemotherapy using cyclophosphamide, vincristine, methotrexate and 5-flourouracil in solid tumors. Coltman CA Jr, et al. Am J Med Sci 261:73-8, Feb 71
Treatment of Letterer-Siwe disease. Chantler C, et al.
Arch Dis Child 46:552-4, Aug 71
Combination chemotherapy with nitrogen mustard, vincristine, procarbazine and prednisone in previously treated patients with Hodgkin's disease. Lowenbraun S, et al. Blood 36:704-17, Dec 70
Vincristine, prednisone, and daunomycin in acute leukemia of childhood. Vietti TJ, et al.
Cancer 27:802-7, Mar 71
Third and fourth remission induction with prednisone (NSC-10023) and vincristine (NSC-67574) in children with acute leukemia. Starling K, et al.
Cancer Chemother Rep 54:293-4, Oct 70
Chemotherapy in the treatment of Wilms' tumor. Hawtrey CE. J Iowa Med Soc 51:356-7, Jun 71
Age responses to x rays, Vinca alkaloids, and hydroxyurea of murine lymphoma cells synchronized in vivo. Madoc-Jones H, et al.
J Natl Cancer Inst 45:1131-43, Dec 70
Combination therapy with cyclophosphamide, vincristine, procarbazine and prednisone in Hodgkin's disease and reticulum cell sarcoma. Isola LM, et al.
Medicina (B Aires) 31:93-7, Mar-Apr 71
Therapeutic activity of narcissus alkaloid on Rauscher leukemia and comparison with standard drugs. Furusawa E, et al.
Proc Soc Exp Biol Med 136:1168-73, Apr 71
[Combined cytostatic treatment of solid tumours with cyclophosphamide (Endoxan), vincristine, methylaminopteria (Methotrexate) and 5-fluorouracil] Brincker H.
Ugeskr Laeger 133:926-9, 14 May 71 (Dan)
[Long-term complete remissions in acute leukemia] Jacquillat C, et al.
Bull Cancer (Paris) 56:375-80, Oct-Dec 69 (Fre)
[Clinico-pharmacologic, cytochemical and Feulgen photometric studies in adult undifferentiated cell leukemias under combination chemotherapy with vincristine, daunorubicine and prednisone] Obrecht P, et al. Klin Wochenschr 48:1251-91, 1 Nov 70 (Ger)
[Experience with vincristine sulfate] Hartwich G, et al.
Med Welt 17:706-12, 24 Apr 71 (Ger)
[Distribution of free amino acids in plasma in patients with a chronic lymphatic and acute leukemia] Höcker P, et al. Wien Klin Wochenschr 83:245-8, 9 Apr 71 (Ger)
[Vincristine sulphate therapy in gliobiastoma of the brain] Braham J, et al.
Harefuah 77:303-5, 1 Oct 69 (Heb)
[Chemotherapy of neuroblastomas] Fedi B, et al.
Cancro 22:483-502, 1969 (Ita)
[Electrocardiographic data on leukemic children treated with a combination of daunomycine, vincristine and prednisone] Distefano G, et al.
Haematologica 55:471-6, 1970 (Ita)
[Therapy of acute myeloblastic leukemia. Thoughts after preliminary results] Weinfeld A, et al.
Nord Med 84:1574, 3 Dec 70 (Swe)

TOXICITY

Comparative studies concerning the tumour inhibition and the toxicology of vinblastine and vincristine. Németh L, et al. Neoplasma 17:345-7, 1970
[Findings on the effect of acute-toxic cytostatics] Roth J. Hippokrates 42:233-5, Jun 71 (Ger)

VINETHENE see VINYL ETHER (D2, D6)

VINSON-PLUMMER SYNDROME see under

DEGLUTITION DISORDERS (C4)

VINYL ETHER (D2, D6)

Macromolecule hydration and the effect of solutes on the cloud point of aqueous solutions of polyvinyl methyl ether: a possible model for protein denaturation and temperature control in homeothermic animals. Horne RA, et al.
J Colloid Interface Sci 35:77-84, Jan 71

VIOFORM see IODOCHLORHYDROXYQUIN (D3)

VIOLENCE (F2)

see also related
RIOTS (I)

Episodic dyscontrol: a study of 130 violent patients. Bach-y-Rita G, et al.
Am J Psychiatry 127:1473-8, May 71
Body buffer zone and violence: a reassessment and confirmation. Hildreth AM, et al.
Am J Psychiatry 127:1641-5, Jun 71
Dynamics and morality of violence and aggression: some psychological considerations. Feshbach S.
Am Psychol 26:281-92, Mar 71
Television violence. Guidelines for evaluation. Heller MS, et al. Arch Gen Psychiatry 24:279-85, Mar 71
Individual and mass aggression--neo-Freudian point of view. Hott LR.
Behav Neuropsychiatry 2:15-6, Aug-Sep 70
Criminality and violence in epileptic prisoners. Gunn J, et al. Br J Psychiatry 118:337-43, Mar 71
Guidelines for the care of patients who exhibit violent behaviour in mental and mental subnormality hospitals. Br J Psychiatry 118:700-2, Jun 71
Discriminating violence emanating from over-controlled versus under-controlled aggressivity. Fisher G. Br J Soc Clin Psychol 9:54-9, Feb 70
Violence in hospitals. Br Med J 3:443, Aug 71
New violence and the new psychiatry. Menninger K.
Bull Menninger Clin 32:341-54, Nov 68
Medical aspects of violence. Solomon P, et al.
Calif Med 114:19-24, May 71
Violence as a function of age and relationship with special reference to matricide. Mohr JW, et al.
Can Psychiatr Assoc J 16:29-32, Feb 71
Emotional reactions of young children to TV violence. Osborn DK, et al. Child Dev 42:321-31, Mar 71
Impact of TV violence on children.
HSMHA Health Rep 86:21-2, Jan 71
The violent 4-3 MMPI personality type. Persons RW, et al. J Consult Clin Psychol 36:189-96, Apr 71
Clinical pathological conference. Violence and brain disease. JAMA 216:1025-34, 10 May 71
Violence in psychiatric hospitals. Whitehead JA.
Lancet 1:754-5, 10 Apr 71
The three special hospitals in England and patients with dangerous, violent or criminal propensities. II. Patients with dangerous, violent or criminal propensities. Greenland C.
Med Sci Law 10:93-103, Apr 70
Positive carriers of violence among children: detection by speech deviations. Filippi R, et al.
Ment Hyg 55:157-61, Apr 71
A reply to "positive carriers of violence among children: detection by speech deviations". Fraser B, et al. Ment Hyg 55:162-4, Apr 71
The problem of violence. Wild R. NZ Med J 72:1-5, Jul 70
The student revolt: totem and taboo revisited. Levitt M, et al. Psychiatry 34:156-67, May 71
Youth, growth, and violence. Greenacre P.
Psychoanal Study Child 25:340-59, 1970
[Strangle hold on adult women in Copenhagen, with particular attention to an estimation of the danger] Geertinger P, et al.
Ugeskr Laeger 133:19-23, 8 Jan 71 (Dan)
[Accidents, polyvisceral breakdown, violence, and suicides: their medico-legal relation to blood alcohol levels] Petit AG, et al.
Med Leg Domm Corpor (Paris) 3:251-7, Jul-Sep 70 (Fre)
[The potential for violence in Germany. A replication and extension of the Milgram experiment] Mantell DM. Nervenarzt 42:252-7, May 71 (Ger)
[The influence of the cinema on the behavior of subjects in the evolutive age] Rivosecchi V, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1501-6, 1968 (Ita)

PREVENTION & CONTROL

Violent patients. Lancet 1:587, 20 Mar 71
Toxicity of CS. Lancet 2:898, 25 Sep 71

VIOMYCIN (D3)

Cell wall phospholipid and viomycin resistance in Rhizobium meliloti. MacKenzie CR, et al.
Biochem Biophys Res Commun 40:1008-12, 10 Sep 70

ADMINISTRATION & DOSAGE

Kinetic testing of drugs against Mycobacterium leprae in mice. Activity of cephaloridine, rifampin, streptovaricin, vadrine, and viomycin. Shepard CC, et al. Am J Trop Med Hyg 20:816-20, Jul 71
Experimental studies on the combined effect of kanamycin and viomycin. Hokama S.
Jap J Tuberc Chest Dis 16:62-9, Jul 70
[Changes in the functional state of the liver in animals under the action of streptomycin, D-cycloserine, kanamycin and florimycin. Effect of antibiotics on alkaline phosphatase activity] Krepak OM, et al.
Antibiotiki 15:908-12, Oct 70 (Rus)

ANALYSIS

The structure of viomycidine. Büchi G, et al.
J Org Chem 36:873-7, 9 Apr 71
Total structure of capreomycin IB, a tuberculostatic peptide antibiotic. Bycroft BW, et al.
Nature (Lond) 231:301-2, 4 Jun 71

BIOSYNTHESIS

[Preservation of some Actinomycetes--producers of antibiotics by different methods] Kuznetsov VD, et al.
Antibiotiki 15:879-83, Oct 70 (Rus)

PHARMACODYNAMICS

[Antituberculous activity of capreomycin and cross resistance to kanamycin, capreomycin, and viomycin. 2. In vitro study of cross resistance to capreomycin, kanamycin and viomycin] Tanaka K, et al.
Bull Chest Dis Res Inst Kyoto Univ 3:44-51, Sep 69 (Jap)
[Activities of rifampicin, capreomycin, viomycin or kanamycin against Mycobacterium tuberculosis isolated from tuberculosis patients] Endo K.
Jap J Antibiot 23:387-9, Aug 70 (Jap)
[Anti-bacterial activity of capreomycin, kanamycin, or viomycin against drug-resistant tubercle bacilli isolated from patients] Endo K.
Jap J Antibiot 24:149-51, Jun 71 (Jap)
[Study of the functional state of the liver in animals under the effect of streptomycin, D-cycloserine, kanamycin and florimycin. Effect of antibiotics on blood plasma proteins] Krepak OM, et al.
Antibiotiki 15:814-8, Sep 70 (Rus)
[Cross resistance of Mycobacterium tuberculosis to streptomycin, kanamycin and viomycin] Makarevich NM, et al. Antibiotiki 15:345-51, Apr 70 (Rus)

THERAPEUTIC USE

Ethambutol and viomycin. Pyle MM.
Med Clin North Am 54:1317-27, Sep 70 (24 ref.)
[Kanamycin and florimycin in the clinical course of pulmonary tuberculosis] Bialik IB.
Antibiotiki 16:184-8, Feb 71 (Rus)

VIRAL INTERFERENCE (G1)

Effect of UV irradiation, merthiolate and thymol on interferential properties of tick-borne encephalitis virus (TE). Dąbek-Szreniawska M.
Acta Microbiol Pol [A] 2:139-42, 1970
Effect of temperature in interferential properties of tick-borne encephalitis (TE) virus.
Dąbek-Szreniawska M.
Acta Microbiol Pol [A] 2:133-8, 1970
Interference activity of animal adenoviruses in chick embryo cell cultures. Guenov I.
Acta Virol (Praha) 14:337-42, Sep 70
Homologous interference by Newcastle disease virus. First stages of interaction of challenge virus with pre-infected cells. Mentkevich LM, et al.
Acta Virol (Praha) 15:205-9, May 71
A mutant of hog cholera virus inducing interference in swine testicle cell cultures. Shimizu Y, et al.
Am J Vet Res 31:1787-94, Oct 70
Responsiveness of normal and transformed rat embryo cell cultures to poly I-poly C and interferon. Freeman AE, et al. J Cell Physiol 76:365-71, Dec 70
Release of virus inhibitor from tuberculin-sensitized peritoneal cells stimulated by antigen. Milstone LM, et al. J Immunol 105:1068-71, Nov 70
Requirement of protein synthesis for bacteriophage phi X174 superinfection exclusion. Hutchison CA 3d, et al. J Virol 8:121-4, Jul 71
Absence of interference during high-multiplicity infection by clonally purified vesicular stomatitis virus. Stampfer M, et al. J Virol 7:409-11, Mar 71
Superinfection in bacteriophage S13 and determination of the number of bacteriophage particles which can function in an infected cell. Tessman ES, et al.
J Virol 8:111-20, Jul 71
Induction of interference and interferon production by echovirus type 7. Hoshino M.
Jap J Microbiol 15:85-91, Jan 71
Interferon. Lancet 1:586, 20 Mar 71
Viral interference in the brains of mice infected subcutaneously with herpes simplex virus. Catalano LW Jr, et al. Proc Soc Exp Biol Med 135:509-14, Nov 70
Viral interference in feline leukemia-sarcoma complex. Sarma PS, et al. Virology 44:252-8, May 71
Interference with viral messenger RNA and DNA synthesis by superinfection with a heterologous deoxyvirus. Vilaginès R, et al.
Virology 42:1042-53, Dec 70
[In vivo inhibition of rabies virus multiplication by an endogenous interferon] Atanasiu P, et al.
Ann Inst Pasteur (Paris) 119:767-77, Dec 70 (Fre)
[Attempt to establish a condition of interference between enteric viruses and vaccinia virus: note I] Stefanesco V, et al.
Arch Roum Pathol Exp Microbiol 28:137-47, Mar 69 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Possible interference between some ribonucleic acid viruses and rabies virus] Vieuchange J.
Bull Acad Nati Med (Paris) 154:825-9, 1-8 Dec 70 (Fre)
[Complementary treatment of Hodgkin's disease by irradiated tumor extracts (experimental and clinical trials)] Latarjet R, et al.
Bull Cancer (Paris) 56:221-30, Jul-Sep 69 (Fre)
[Interference between Newcastle disease virus and rabies virus in rabbits: utilization of this phenomenon in the prevention of experimental rabies] Vieuchange J, et al.
C R Acad Sci [D] (Paris) 271:734-6, 24 Aug 70 (Fre)
[Interference of the rubella virus in vivo] Drinovec B, et al. Zentralbl Bakteriol [Orig] 204:48-55, 1967 (Ger)
[Attempts to use the interference phenomenon for detecting several mice leukemia viruses in tissue culture] Merekalova ZI.
Biull Eksp Biol Med 68:74-6, Jun 69 (Rus)
[Interference phenomenon between street rabies virus and poliovirus in tissue cultures] Maksumov SS.
Lab Delo 4:223-5, 1970 (Rus)
[Interference and sensitivity of virulent and attenuated foot-and-mouth disease virus to interferon] Olefnikov OG.
Veterinariia 1:39-41, Jan 71 (Rus)
[Stimulating interaction of animal viruses] Dosser EM.
Vopr Virusol 15:387-94, Jul-Aug 70 (31 ref.) (Rus)
[The interaction of influenza A2 virus and respiratory syncytial virus in mixed infections] Shenderovich SF, et al. Vopr Virusol 15:473-7, Jul-Aug 70 (Rus)
[Homologous interference induced by active Newcastle disease virus] Solov'ev VD, et al.
Vopr Virusol 15:445-7, Jul-Aug 70 (Rus)
[The mechanism of respiratory-syncytial virus interference by influenza A2 virus] Zakstel'skaia LIa, et al. Vopr Virusol 15:552-5, Sep-Oct 70 (Rus)
[Homologous interference of Newcastle disease virus. 2. Homologous interference by partially inactivated virus] Zhdanova LV, et al.
Vopr Virusol 15:295-7, May-Jun 70 (Rus)
[Interference of Gross' and Bittner's viruses. Antagonism in their pathogenetic effects] Jimenez de Asua F, et al. Sangre (Barc) 15:426-34, 1970 (Spa)

DRUG EFFECTS

Effect of heparin on reproduction of, and interferon production and interference by, Newcastle disease virus in chick embryo cell cultures. Mentkevich LM, et al. Acta Virol (Praha) 15:233-6, May 71
Protection by polyinosinic-polycytidylic acid complex of rabbit eye tissue cultures infected with herpes simplex virus. Effect of neomycin and virus challenge dose. Weissenbacher M, et al.
Invest Ophthalmol 9:857-64, Nov 70

VIRAL PROTEINS (D10)

Structural defects of T-even bacteriophages. Cummings DJ, et al.
Adv Virus Res 16:1-41, 1970 (85 ref.)
Structure and assembly of simple RNA bacteriophages. Hohn T, et al. Adv Virus Res 16:43-98, 1970 (163 ref.)
Methods of virus formation. Sauer G.
Angew Chem [Engl] 9:863-9, Sep 70
Circular dichroism of two TMV mutants with identical single amino acid replacement in different position in polypeptide chain. Budzynski AZ.
Biochem Biophys Res Commun 41:841-5, 25 Nov 70
Structural proteins of Kilham rat virus. Salzman LA, et al. Biochem Biophys Res Commun 41:1551-6, 24 Dec 70
Role of cation and anion in the polymerization and depolymerization of tobacco mosaic virus protein. Banerjee K, et al. Biochemistry 10:1100-2, 16 Mar 71
Reaction of tobacco mosaic virus with maleic anhydride and some possible applications to x-ray diffraction analysis. King L, et al. Biochemistry 10:981-7, 16 Mar 71
Inhibition of polymerization of tobacco mosaic virus protein by modification of carboxyl groups. Budzynski AZ, et al.
Biochim Biophys Acta 236:767-76, 29 Jun 71
Secondary structure and interaction of RNA and protein in a bacteriophage. Isenberg H, et al.
Biochim Biophys Acta 232:184-91, 25 Feb 71
Sequences of RNA fragments from the bacteriophage f2 coat protein cistron which differ from their R17 counterparts. Nichols JL, et al.
Biochim Biophys Acta 228:676-81, 11 Feb 71
Physicochemical properties of N4 coliphage protein ghosts. Pesce A, et al.
Biochim Biophys Acta 236:450-7, 25 May 71
Observations on the polyhedra and virions of the cabbage looper nuclear polyhedrosis virus, with special reference to the viral membranes. Drake EL, et al. Can J Microbiol 17:263-7, Feb 71
Coat protein repression of bacteriophage M12 RNA directed polysome formation. Ward R, et al.
Eur J Biochem 17:106-15, Nov 70
Genetic alterations of the rII B cistron polypeptide of phage T4. McClain WH, et al. Genetics 66:11-21, Sep 70
The in situ morphological transition of the bacteriophage lambda tubular head-forms. Kemp CL.
J Child Psychol Psychiatry 12:569-75, Jun 71
Polar reconstitution of tobacco mosaic virus (TMV). Ono T, et al.
J Child Psychol Psychiatry 12:510-6, Jun 71
Detection and properties of a genomic masked viral particle consisting of foot-and-mouth disease virus nucleic acid in bovine enterovirus protein capsid. Trautman R, et al.
J Child Psychol Psychiatry 12:537-43, Jun 71
The virus envelope in cell attachment. Bose HR, et al.
J Gen Virol 9:159-61, Nov 70
Capsid and procapsid proteins of a bovine enterovirus. Johnston MD, et al. J Gen Virol 11:71-9, May 71
Coiled structure of the nucleocapsid of avian myeloblastosis virus. Lacour F, et al.
J Gen Virol 9:89-92, Oct 70
Internal components released from rhinovirus and poliovirus by heat. McGregor S, et al.
J Gen Virol 10:203-7, Feb 71
Comparison of adenovirus types 2 and 5 hexons by immunological and biochemical techniques. Pereira HG, et al. J Gen Virol 9:163-7, Nov 70
Structural proteins of herpes simplex virus. Robinson DJ, et al. J Gen Virol 10:163-71, Feb 71
Binding of ribonucleic acids to the RNP-antigen protein of influenza viruses. Scholtissek C, et al.
J Gen Virol 10:11-6, Jan 71
Studies on the assembly of adenovirus in vitro. Winters WD, et al. J Gen Virol 10:181-94, Feb 71
Characterization of crystals of type 5 adenovirus hexon. Cornick G, et al. J Mol Biol 57:397-401, 14 May 71
Structural proteins of adenovirus. V. Size and structure of the adenovirus type 2 hexon. Franklin RM, et al.
J Mol Biol 57:383-95, 14 May 71
The mechanism of replication of phi X174 single-stranded DNA. II. The role of viral proteins. Iwaya M, et al. J Mol Biol 57:159-75, 28 Apr 71
Studies on the stabilizing forces of simple RNA viruses. I. Selective interference with protein-RNA interactions in turnip yellow mosaic virus. Kaper JM.
J Mol Biol 56:259-76, 14 Mar 71
Secondary structure of tobacco mosaic virus protein. Leberman R. J Mol Biol 55:23-30, 14 Jan 71
The role of exonuclease and beta protein of bacteriophage lambda in genetic recombination. I. Effects of red mutants on protein structure. Radding CM. J Mol Biol 52:491-9, 28 Sep 70
Electro-optic evidence for the control of the structure of bacteriophage f1 by a minor coat protein. Rossomando EF, et al. J Mol Biol 58:187-95, 28 May 71
Polarographic changes accompanying denaturation and renaturation of tobacco mosaic virus protein. Ruttkay-Nedecký G, et al. J Mol Biol 55:101-5, 14 Jan 71
Early events in the infection of permissive cells with simian virus 40: adsorption, penetration, and uncoating. Barbanti-Brodano G, et al.
J Virol 6:78-86, Jul 70
Dissociation by chelating agents and substructure of the thermophilic bacteriophage TP84. Bassel A, et al.
J Virol 7:861-72, May 71
Capsid size and deoxyribonucleic acid length: the petite variant of bacteriophage T4. Eiserling FA, et al.
J Virol 6:865-76, Dec 70
Head proteins from T-even bacteriophages. II. Physical and chemical characterization. Forrest GL, et al.
J Virol 8:41-55, Jul 71
Nucleocapsid protein subunits of simian virus 5, Newcastle disease virus, and Sendai virus. Mountcastle WE, et al. J Virol 6:677-84, Nov 70
Proteins of avian tumor viruses with different coat antigens. Robinson WS, et al. J Virol 6:895-8, Nov 70
In vivo uncoating of tobacco mosaic virus. II. Complete uncoating to TMV-RNA. Machida H, et al.
Jap J Microbiol 14:441-9, Nov 70
Crystallization of a second adenovirus protein (the fibre). Mautner V, et al.
Nature (Lond) 230:456-7, 16 Apr 71
Assembly of the particle of tobacco mosaic virus from RNA and disks of protein. Butler PJ, et al.
Nature [New Biol] 229:47-50, 13 Jan 71
States of aggregation of tobacco mosaic virus protein. Durham AC, et al.
Nature [New Biol] 229:37-42, 13 Jan 71
Polymerization of tobacco mosaic virus protein and its control. Durham AC, et al.
Nature [New Biol] 229:42-6, 13 Jan 71
The morphogenesis of bacteriophage lambda. I. Purification and characterization of lambda heads and lambda tails. Buchwald M, et al.
Virology 42:375-89, Oct 70
The morphogenesis of bacteriophage lambda. II. Identification of the principal structural proteins. Buchwald M, et al. Virology 42:390-400, Oct 70
The stacked-disk structure of tobacco mosaic virus protein. Carpenter JM. Virology 41:603-14, Aug 70
Morphological proteins of phage lambda: identification of the major head protein as the product of gene E. Casjens S, et al. Virology 42:496-507, Oct 70
Structural aberrations in T-even bacteriophage. I. Specificity of induction of aberrations. Couse NL, et al. Virology 42:590-602, Nov 70
Structural aberrations in T-even bacteriophage. II. Characterization of the proteins contained in aberrant heads. Cummings DJ, et al. Virology 44:425-42, May 71
Infection of mouse fibroblasts by cardioviruses: premature uncoating and its prevention by elevated pH and magnesium chloride. Hall L, et al.
Virology 43:152-65, Jan 71
Isolation and characterization of proteins from Rous sarcoma virus. Hung PP, et al.
Virology 43:251-66, Jan 71
Self-assembly of protein subunits from alfalfa mosaic virus. Lebeurier G, et al. Virology 43:51-61, Jan 71
Determination of molecular weights of plant viral protein subunits by polyacrylamide gel electrophoresis. Lesnaw JA, et al.
Virology 42:724-31, Nov 70
Bacteriophage P2: replication of the chromosome requires a protein which acts only on the genome that coded for it. Lindahl G. Virology 42:522-33, Oct 70
Assembly of virus particles during mixed infection with wild-type vaccinia and a rifampicin-resistant mutant. Moss B, et al. Virology 45:135-48, Jul 71
Assembly of vaccinia virus: particles from polypeptides made in the presence of rifampicin. Moss B, et al.
Virology 45:123-34, Jul 71
Mosaics of capsid components produced by cocultivation of certain human adenoviruses in vitro. Norrby E, et al. Virology 44:383-95, May 71
Polar stripping of tobacco mosaic virus by alkali. Onda H, et al. Virology 42:551-3, Oct 70
Structural proteins of adenoviruses. VI. On the antigenic determinants of the hexon. Pettersson U.
Virology 43:123-36, Jan 71
In vitro assembly of poliovirus. II. Evidence for the self-assembly of 14 S particles into empty capsids. Phillips BA. Virology 44:307-16, May 71
Orientation of tail fibers in T4 z mutants and the influence of r mutations. Rutberg B.
Virology 44:443-5, May 71
Properties of particles aggregated from protein subunits of bacteriophage fr. Schubert D, et al.
Virology 43:41-50, Jan 71
A virus induced soluble antigen associated with potato virus-X infection. Shalla TA, et al.
Virology 42:1130-2, Dec 70
An antigenic analysis of potato virus X and of its degraded protein. I. Evidence for and degree of antigenic disparity. Shepard JF, et al.
Virology 42:825-34, Dec 70
The characterization of subviral particles derived from influenza virus. Skehel JJ. Virology 44:409-17, May 71
The assembly of RNA-free mixed-coat capsids of small spherical viruses. Wagner GW, et al.
Virology 45:321-3, Jul 71
Structure of tomato bushy stunt virus. Weber K, et al.
Virology 41:763-5, Aug 70
[Influence of phosphodiesterase of swine spleen on the reconstitution in vitro of tobacco mosaic virus] Guilley H, et al.
C R Acad Sci [D] (Paris) 272:1181-4, 22 Feb 71 (Fre)
[New results on the form inheritance of phage T4] Kellenberger E, et al.
Pathol Microbiol (Basel) 36:320-1, 1970 (Ger)
[Action of some chemical reagents on the active protein groups of the hemagglutinin of rubella virus] Gagnoni G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:121-7, 1968 (Ita)
[Association of some early phage T4B proteins with homologous DNA in vitro] Bofkov PIa, et al.
Biokhimiia 35:477-83, May-Jun 70 (Rus)
[Inhibition of the formation of mature poliovirus particles under hypotonic conditions] Lipskaia GIu, et al.
Dokl Akad Nauk SSSR 189:199-202, Nov-Dec 69 (Rus)
[Absence of a requirement for tryptophan in the bactericidal action of T4 phage ghosts] Mekshenkov MI, et al.
Dokl Akad Nauk SSSR 186:212-4, May-Jun 69 (Rus)
[Homogeneity of the protein of the tail rods of T2 bacteriophage] Nikol'skaia TI, et al.
Dokl Akad Nauk SSSR 197:1200-2, 1971 (Rus)

ANALYSIS

Studies on the proteins of adenovirus type 2. Petersson U, et al. Acta Pathol Microbiol Scand [B] 78:268, 1970
A simple method for counting 14C- and 3H-proteins in polyacrylamide gels. Hellsiner CW, et al.
Anal Biochem 39:233-8, Feb 71
Peptide composition of sindbis virus variants. Bose HR, et al. Arch Gesamte Virusforsch 31:207-14, 1970
Structural components of chikungunya virus. Igarashi A, et al. Biken J 13:93-110, Jun 70
Capsid proteins of two bovine enteroviruses. Johnston MD, et al. Biochem J 119:17P, Sep 70
Molecular weight of the coat protein of alfalfa mosaic virus. Kruseman J, et al.
Biochemistry 10:447-55, 2 Feb 71
Proteins of Venezuelan equine encephalomyelitis virions. Uryvayev LV, et al.
Experientia 27:348-9, 15 Mar 71
The amino acid sequence of the Q coat protein. Maita T, et al. J Biol Chem 246:5003-24, Aug 71
Dissociation of Semliki Forest virus into biologically active components. Appleyard G, et al.
J Gen Virol 9:179-89, Dec 70
Parainfluenza virus surface projections: glycoproteins

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

with haemagglutinin and neuraminidase activities. Chen C, et al. J Gen Virol 11:53-8, Apr 71
A method for assessing the size of a protein from its composition: its use in evaluating data on the size of the protein subunits of plant virus particles. Gibbs AJ, et al. J Gen Virol 9:51-67, Oct 70
Molecular weights of plant virus protein subunits determined by the meniscus depletion method using solvents containing urea. Paul HL, et al. J Gen Virol 11:11-6, Apr 71
Structural proteins of bacteriophage T4. Dickson RC, et al. J Mol Biol 53:461-74, 14 Nov 70
The structures of turnip crinkle and tomato bushy stunt viruses. I. A small protein particle derived from turnip crinkle virus. Leberman R, et al. J Mol Biol 50:209-13, 14 Jun 70
The structures of turnip crinkle and tomato bushy stunt viruses. X-ray diffraction studies on crystals of the small particles. Leberman R, et al. J Mol Biol 50:213, 14 Jun 70
Comparison of membrane protein glycopeptides of Sindbis virus and vesicular stomatitis virus. Burge BW, et al. J Virol 6:176-82, Aug 70
Electrophoretic distribution of the proteins and glycoproteins of influenza virus and Sendai virus. Content J, et al. J Virol 6:707-16, Dec 70
Structural polypeptides of simian virus 40. Estes MK, et al. J Virol 7:635-41, May 71
Australia antigen: large-scale purification from human serum and biochemical studies of its proteins. Gerin JL, et al. J Virol 7:569-76, May 71
Proteins of vesicular stomatitis virus. II. Immunological comparisons of viral antigens. Kang CY, et al. J Virol 6:20-7, Jul 70
Bacteriophage tail components. 3. Use of synthetic pteroyl hexaglutamate for T4D tail plate assembly. Kozloff LM, et al. J Virol 6:754-9, Dec 70
Biophysical and biochemical studies on rhinovirus and poliovirus. II. Chemical and hydrodynamic analysis of the rhinovirion. McGregor S, et al. J Virol 7:41-6, Jan 71
Proteins and glycoproteins of paramyxoviruses: a comparison of simian virus 5, Newcastle disease virus, and Sendai virus. Mountcastle WE, et al. J Virol 7:47-52, Jan 71
Structural and nonstructural proteins of Saint Louis encephalitis virus. Trent DW, et al. J Virol 7:379-88, Mar 71
Separation of RNA-dependent DNA polymerase activity from the murine leukaemia virion. Gerwin BI, et al. Nature (Lond) 228:435-8, 31 Oct 70
Subunit structure of Q-beta replicase. Kondo M, et al. Nature (Lond) 228:525-7, 7 Nov 70
Location of the glycoprotein in the membrane of Sindbis virus. Compans RW. Nature [New Biol] 229:114-6, 27 Jan 71
Lipid and protein arrangement in bacteriophage PM2. Harrison SC, et al. Nature [New Biol] 229:197-201, 17 Feb 71
Components of adenovirus-simian virus 40 hybrid viruses. Baum SG, et al. Proc Natl Acad Sci USA 68:1525-9, Jul 71
Location of the coat cistron on the RNA of phage Q-beta. Hindley J, et al. Proc Natl Acad Sci USA 67:1180-7, Nov 70
Species-specific and interspecific antigenic determinants associated with the structural protein of feline C-type virus. Oroszlan S, et al. Proc Natl Acad Sci USA 68:901-4, May 71
Proteins of four biologically distinct strains of Newcastle disease virus. Shapiro SC, et al. Proc Soc Exp Biol Med 136:834-8, Mar 71
The proteins of enveloped and deenveloped equine abortion (herpes) virus and the separated envelope. Abodeely RA, et al. Virology 44:146-52, Apr 71
Polypeptides of avian RNA tumor viruses. II. Serological characterization. Bauer H, et al. Virology 43:1113-26, Dec 70
Polypeptides of avian RNA tumor viruses. 1. Isolation and physical and chemical analysis. Bolognesi DP, et al. Virology 42:1097-112, Dec 70
Influenza virus proteins. I. Analysis of polypeptides of the virion and identification of spike glycoproteins. Compans RW, et al. Virology 43:880-9, Dec 70
Structure and synthesis of a lipid-containing bacteriophage. VII. Structural proteins of bacteriophage PM2. Datta A, et al. Virology 45:232-9, Jul 71
The polypeptides of influenza virus. 3. Identification of the hemagglutinin, neuraminidase and nucleocapsid proteins. Hasiam EA, et al. Virology 42:566-75, Nov 70
An electron microscopic study of the presence or absence of neuraminic acid in enveloped viruses. Klenk HD, et al. Virology 42:1158-62, Dec 70
The proteins of the parainfluenza virus SV5. II. The carbohydrate content and glycoproteins of the virion. Klenk HD, et al. Virology 42:473-81, Oct 70
Heterogeneous distribution of A protein in R17 phage preparations. Krahn PM, et al. Virology 43:533-5, Feb 71
Amino acid analysis of the coat protein of the filamentous bacterial virus xf from Xanthomonas oryzae. Lin JY, et al. Virology 45:38-41, Jul 71
On the structure of rhinovirus 1A. Medappa KC, et al. Virology 44:259-70, May 71
Polypeptides of avian RNA tumor viruses. 3. Purification and identification of a DNA synthesizing enzyme. Moelling K, et al. Virology 45:296-302, Jul 71
Structural proteins of adenoviruses. IV. Sequential degradation of the adenovirus type 2 virion. Prage L, et al. Virology 42:341-58, Oct 70
The structure of influenza virus. I. The polypeptides of the virion. Schulze IT. Virology 42:890-904, Dec 70
An antigenic analysis of potato virus X and of its degraded protein. II. Evidence for a conformational change associated with the depolymerization of structural protein. Shalla TA, et al. Virology 42:835-47, Dec 70
The proteins of Japanese encephalitis virus. Shapiro D, et al. Virology 44:108-24, Apr 71
The polypeptide composition of influenza A viruses. Skehel JJ, et al. Virology 44:396-408, May 71
Acrylamide gel electrophoresis of bacteriophage Q beta: electrophoresis of the intact virions and of the viral proteins. Strauss EG, et al. Virology 42:437-52, Oct 70
Proteins of polyhedral cytoplasmic deoxyviruses. I. The structural polypeptides of FV 3 . Tan KB, et al. Virology 45:200-7, Jul 71
Identification of the constituents of southern bean mosaic virus in crystals of infected cells, and their distribution within the virion. Weintraub M, et al. Virology 41:729-39, Aug 70
[Structural proteins of Sindbis virus and translation of the viral genome] Nicoli J, et al. Ann Inst Pasteur (Paris) 120:683-97, May 71 (Fre)
[Comparative studies on influenza virus proteins] Kobiet H. Experientia 27:233-5, 15 Feb 71 (Ger)
[Structural proteins of Venezuelan equine encephalomyelitis virus] Uryvaev LV, et al. Biokhimiia 36:92-6, Jan-Feb 71 (Rus)
[Tail coat proteins of T2 bacteriophage] Nikol'skaia TI, et al. Dokl Akad Nauk SSSR 197:708-10, 21 Mar 71 (Rus)
[Effect of adenoviral infection on the protein content in KB cells] D'iachenko NS, et al. Mikrobiol Zh 33:176-83, Mar-Apr 71 (Ukr)
[Cytofluorometric study of synthesis of the structural protein in adenovirus type 1] Nosach LM, et al. Mikrobiol Zh 32:463-6, May-Jun 70 (Ukr)

ANTAGONISTS & INHIBITORS

Inhibitory activity of guanidine on poliovirus proteins. La Colla P, et al. Life Sci [II] 10:81-9, 22 Jan 71

BIOSYNTHESIS

Nucleic acid and protein synthesis in KB cells infected with equine abortion virus (equine herpesvirus type 1). Lawrence WC. Am J Vet Res 32:41-9, Jan 71
Formation of ribonucleoprotein particles by interaction of infectious viral RNA with cytoplasmic cell fractions. Yershov FI, et al. Arch Gesamte Virusforsch 33:1-8, 1971
Protein synthesis and formation of Chikungunya virus in infected BHK21 cells. Igarashi A. Biken J 13:289-302, Dec 70
Genetic and physiological studies of bacteriophage T5. 2. The relationship between phage DNA synthesis and protein synthesis in T5-infected cells. Hendrickson HE, et al. Biochem Biophys Res Commun 43:735-40, 21 May 71
Origin of DNA and protein in lambda DNA infected disrupted cell preparations. Mackal RP, et al. Biochem Biophys Res Commun 42:89-96, 8 Jan 71
Amino terminal peptides of RNA phage proteins synthesized in the cell free system. Osborn M, et al. Biochem Biophys Res Commun 41:748-56, 9 Nov 70
Proteins in tobacco mosaic virus-infected tobacco plants. Zaitlin M, et al. Biochem Biophys Res Commun 39:1031-6, 1970
The arginine requirement for nucleocapsid maturation in Herpes simplex virus development. Stein S, et al. Can J Microbiol 16:851-4, Sep 70
Comparative biology of five RNA phages, R23, f2, Q beta, R34, and R40. Watanabe H, et al. Can J Microbiol 16:859-64, Sep 70
5-fluorouracil rescue of dCMP hydroxymethylase in Escherichia coli B infected by mutant am N122 of bacteriophage T4. Mark KK. Genetics 66:23-30, Sep 70
Aurintricarboxylic acid, a preferential inhibitor of initiation of protein synthesis. Siegelman F, et al. J Bacteriol 105:902-7, Mar 71
Effect of calcium ions on synthesis of T5-specific proteins. Moyer RW, et al. J Biol Chem 245:5897-903, 25 Nov 70
Sendai virus RNA synthesis and nucleocapsid formation in the presence of cycloheximide. Robinson WS. J Child Psychol Psychiatry 12:494-502, Jun 71
Synthesis of virus macromolecules in L-929 cells infected with Mayaro virus. Dorsett PH, et al. J Gen Virol 9:133-40, Nov 70
Characterization and synthesis of phi X174 proteins in ultraviolet-irradiated and unirradiated cells. Godson GN. J Mol Biol 57:541-53, 14 May 71
Structural alteration of intracellular phiX174 DNA following infection of host cells in which protein synthesis is inhibited. Greenlee LL. J Mol Biol 53:163-79, 28 Oct 70
Sequential steps in the in vivo assembly of the RNA bacteriophage fr. Kaerner HC. J Mol Biol 53:515-29, 14 Nov 70
Thermal melting of bacteriophage f2 RNA and initiation of synthesis of the maturation protein. Lodish HF. J Mol Biol 56:627-32, 28 Mar 71
Certain aspects of SPO1 development. Wilson DL, et al. J Mol Biol 57:297-300, 28 Apr 71
Continuous requirement for host P10 protein during bacteriophage T4 infection. Cafferata RL, et al. J Virol 6:256-7, Aug 70
Synthesis and cleavage of influenza virus proteins. Etchison J, et al. J Virol 7:155-67, Jan 71
Modification of Sindbis virus glycoprotein by host-specified glycosyl transferases. Grimes WJ, et al. J Virol 7:309-13, Mar 71
Process of infection with bacteriophage phiX174. XXXVI. Measurement of virus-specific proteins during a normal cycle of infection. Mayol RF, et al. J Virol 6:310-9, Sep 70
Temperature-sensitive mutants of vesicular stomatitis virus: synthesis of virus-specific proteins. Printz P, et al. J Virol 7:651-62, May 71
LPP-1 infection of the blue-green alga Plectonema boryanum. 3. Protein synthesis. Sherman LA, et al. J Virol 6:841-6, Dec 70
Synthesis of the major bacteriophage fl coat protein. Smilowitz H, et al. J Virol 7:776-82, Jun 71
Effect of rifampicin on poxvirus protein synthesis. Tan KB, et al. J Virol 6:326-32, Sep 70
Action of interferon: kinetics and differential effects on viral functions. Yamazaki S, et al. J Virol 6:421-9, Oct 70
Formation of infectious arbovirus ribonucleoprotein in subcellular structures. Zhdanov VM, et al. Nature (Lond) 228:1192-4, 19 Dec 70
Initiation of mammalian viral protein synthesis. Caffier H, et al. Nature [New Biol] 229:239-41, 24 Feb 71
Synthesis by ribosomes of viral coat protein containing ester linkages. Fahnestock S, et al. Nature [New Biol] 229:8-10, 6 Jan 71
T7 translational control mechanisms and their inhibiton by F factors. Morrison TG, et al. Nature [New Biol] 231:37-41, 12 May 71
Control of translation by the conformation of messenger RNA. Fukami H, et al. Proc Natl Acad Sci USA 68:570-3, Mar 71
Messenger activity of sendai virus ribonucleoprotein in a cell free protein-synthesizing system. Bukrinskaya AG, et al. Virology 42:508-21, Oct 70
Antigens specified by herpesviruses. II. Effect of arginine deprivation on the synthesis of cytoplasmic and nuclear proteins. Courtney RJ, et al. Virology 43:356-65, Feb 71
Synthesis of polypeptides directed by the RNA of phage Q beta. Jockusch H, et al. Virology 42:401-14, Oct 70
Protein synthesis in vesicular stomatitis virus-infected HeLa cells. Mudd JA, et al. Virology 42:328-40, Oct 70
SV40 thermosensitive mutant: synthesis of viral DNA and virus-induced proteins at nonpermissive temperature. Takemoto KK, et al. Virology 42:938-45, Dec 70
In vitro synthesis of T4 proteins: control of transcription of gene 57. Wilhelm JM, et al. Virology 43:209-13, Jan 71
In vitro synthesis of T4 proteins: the products of genes 9, 18, 19, 23, 24, and 38. Wilhelm JM, et al. Virology 43:198-208, Jan 71
[Structure of the foot-and-mouth disease virus. 1. The buildup of the protein capsule] Liebermann H, et al. Arch Exp Veterinaermed 25:171-83, 1971 (Ger)
[Studies of the course of protein synthesis during the early phase of virus reproduction] Diefenthal W, et al. Zentralbl Bakteriol [Orig] 204:55-79, 1967 (Ger)
[Action of guanidine on protein synthesis induced with poliovirus I] Maxia L, et al. Boll Soc Ital Biol Sper 45:759-61, 15 Jun 69 (Ita)
[Lysosomes in viral cell infection] La Placa M. G Clin Med 50:275-82, 4 Apr 69 (Ita)
[Synthesis of arbovirus RNA and proteins in subcellular structures] Ershov FI, et al. Dokl Akad Nauk SSSR 190:458-60, Jan 70 (Rus)
[Superinfective proteins of Escherichia coli phage T4B and the pleiotropic effect of the rI mutation] Shcherbakov VI, et al. Dokl Akad Nauk SSSR 194:208-10, Sep-Oct 70 (Rus)
[Regulation of protein synthesis in Escherichia coli cells infected by T4r+ and T4r1272 phages. Discovery of a protein coded by the r11 gene] Shcherbakov VP, et al. Dokl Akad Nauk SSSR 189:659-61, Nov 69 (Rus)
[Synthesis of virus-specific proteins in cells infected by the Venezuelan equine encephalomyelitis virus] Zhdanov VM, et al. Dokl Akad Nauk SSSR 187:867-9, 21 Jun 69 (Rus)
[Cytophotometric study of the intensity of protein accumulation in cells infected with type 1 adenovirus] Diachenko NS, et al. Tsitologiia 13:252-8, Feb 71 (Rus)
[Synthesis of ribonucleic acid and protein of poliomyelitis virus at low temperature] Ageeva ON, et al. Vopr Virusol 16:164-8, Mar-Apr 71 (Rus)
[Use of the virus-deproteinizing capacity of cells for

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

production of viral ribonucleoprotein] Bukrinskaia AG, et al. Vopr Virusol 15:237-8, Mar-Apr 70 (Rus)
[The temperature sensitive mutants of poliovirus. I. Acquisition and characteristics of the mutants] Mikheeva AV, et al.
Vopr Virusol 16:48-52, Jan-Feb 71 (Rus)

CHEMICAL SYNTHESIS

Synthesis of tobacco mosaic virus protein sequence 81-85. Pettit GR, et al. J Org Chem 36:870-3, 9 Apr 71

ISOLATION & PURIFICATION

Separation of infectious canine hepatitis virus antigens: intact virions and empty capsids. Petr G.
Acta Virol (Praha) 14:265-71, Jul 70
Envelope protein of influenza virus. II. Antigenicity. Eckert EA. Arch Environ Health 21:316-20, Sep 70
Separation of ECHO virus type 6 antigens by centrifugation in caesium chloride density gradients. II. Electron microscopy. Bloth B, et al.
Arch Gesamte Virusforsch 33:37-40, 1971
Release of viral hemagglutinin and nucleocapsid components after disruption of Sindbis virus with ether. Arif B, et al. Can J Microbiol 17:161-9, Feb 71
Large scale purification of A-protein from bacterior17. Osborn M, et al. Eur J Biochem 17:63-7, Nov 70
SDS-acrylamide gel electrophoresis and its application to the proteins of poliovirus- and adenovirus-infected human cells. Maizel JV Jr, et al.
J Cell Physiol 76:273-87, Dec 70
Proteins of the murine C-type RNA tumour viruses: isolation of a group-specific antigen by isoelectric focusing. Oroszlan S, et al. J Gen Virol 8:1-10, Jul 70
The preparation and properties of adenovirus cores. Russell WC, et al. J Gen Virol 11:35-46, Apr 71
Ahmad-Zadeh C,+AHMADAAZADEH C: Internal proteins of bacteriophage T4D: their characterization and relation to head structure and assembly. Black LW. J Mol Biol 57:71-92, 14 Apr 71
Isolation and characterization of two basic internal proteins from the T-even bacteriophages. Stone KR, et al. J Virol 6:445-54, Oct 70
Characterization of the subunits of Q-beta replicase. Kamen R. Nature (Lond) 228:527-33, 7 Nov 70
Isolation of a polyoma-nucleoprotein complex from infected mouse-cell cultures. Green MH, et al.
Proc Natl Acad Sci USA 68:1032-6, May 71
Nucleic acid and proteins isolated from a strain of murine sarcoma virus (MSV-O). Horvath AE, et al.
Proc Soc Exp Biol Med 137:1075-81, Jul 71
Polypeptides of avian RNA tumor viruses. 1. Isolation and physical and chemical analysis. Bolognesi DP, et al. Virology 42:1087-112, Dec 70
Reassembly of bacteriophage MS2 protein from 9 M urea. Oriel PJ, et al. Virology 42:1007-14, Dec 70
[The molecular organization of the tail rod of T2 bacteriophage] Kosourov GI, et al.
Biokhimiia 35:419-21, Mar-Apr 70 (Rus)
[Sedimentation characteristics of Venezuelan equine encephalomyelitis virus] Uryvaev LV, et al.
Vopr Virusol 15:330-6, May-Jun 70 (Rus)
[Extraction of polyhedral protein from Borrelinavirus bombycis by treating polyhedrons with acetic acid] Kavsan VM, et al.
Mikrobiol Zh 32:355-9, May-Jun 70 (Ukr)

METABOLISM

Effect of chemicals on the early stages of tobacco mosaic virus protein polymerization. Shalaby RA.
Biophys J 8:380-8, Mar 68
Rhombohedral twisted crystalloids found in the cytoplasm of nuclear-polyhedrosis-infected larvae of the ugly-nest caterpillar. Smirnoff WA.
Can J Microbiol 16:906-7, Sep 70
Gene expression in bacteriophage lambda. II. Regulation of RNA synthesis in vivo by the N protein. Konrad M. J Mol Biol 53:389-400, 14 Nov 70
Morphogenesis of the nucleoprotein of vesicular stomatitis virus. Zajac BA, et al.
J Virol 6:243-52, Aug 70
Viral DNA-dependent DNA polymerase and the properties of thymidine labelled material in virions of an oncogenic RNA virus. Rman J, et al.
Nature (Lond) 228:427-30, 31 Oct 70
Interactions of vesicular stomatitis virus structural proteins with HeLa plasma membranes. Cohen GH, et al. Nature [New Biol] 231:121-3, 26 May 71
Synthesis of proteins in cells infected with herpesvirus. VII. Lack of migration of structural viral proteins to the nucleus of arginine-deprived cells. Mark GE, et al. Virology 45:53-60, Jul 71
[Dual functions of coat protein of small spherical viruses--particle fromation and regulation of biosynthesis] Sugiyama T.
Protein Nucleic Acid Enzyme (Tokyo) 15:1432-40, Dec 70 (82 ref.) (Jap)
[Inductor of deproteinization enzyme of vaccinia virus nucleocapsid] Peterson OP, et al.
Vopr Virusol 15:156-61, Mar-Apr 70 (Rus)

PHARMACODYNAMICS

Metabolism of T4 bacteriophage ghost-infected cells: effect of bacteriophage and ghosts on the uptake of carbohydrates in Escherichia coli B. Winkler HH, et al.
J Bacteriol 107:259-67, Jul 71
Inhibition of T4 bacteriophage multiplication by superinfecting ghosts and the development of tolerance after bacteriophage infection. Duckworth DH. J Virol 7:8-14, Jan 71
Inhibition of host protein synthesis during infection of Escherichi coli by bacteriophage T4. 3. Inhibition by ghosts. Fabricant R, et al. J Virol 6:772-81, Dec 70
Lack of interaction between polyoma virus capsid and mouse cell DNA in vitro. Ho JK, et al.
Life Sci [II] 9:1255-60, 8 Nov 70
Template activity of parainfluenza virus ribonucleoprotein. Bukrinskaya AG, et al.
Nature (Lond) 228:1194-6, 19 Dec 70

VIRAL VACCINES (D12)

Immunization experiments against fowl pox with a vaccine prepared from low-pathogenicity fowl pox virus. Olih P, et al.
Acta Vet Acad Sci Hung 20:381-90, 1970
Reaction with mannan of a live Japanese encephalitis virus vaccine. Nozima T, et al.
Acta Virol (Praha) 15:174, Mar 71
Morphological criteria of neurovirulence of viruses in viral vaccine production. Rozina EE.
Acta Virol (Praha) 15:95-101, Jan 71
Vaccination with RA 27-3 rubella vaccine. Buser F, et al.
Am J Dis Child 122:53-6, Jul 71
Rubella immunization with HPV-77 DE5 vaccine during infancy. Herrmann KL, et al.
Am J Dis Child 121:474-6, Jun 71
Rubella vaccine responses and other viral antibodies in Syracuse children. Lamb GA, et al.
Am J Dis Child 122:117-21, Aug 71
Evaluation of attenuated rubella virus vaccine in families. Moqabqab WJ, et al.
Am J Dis Child 122:122-8, Aug 71
Artificial challenge studies in rubella. Utilization of RA 27-3 rubella vaccines, rubella naturally acquired seropositives, and rubella susceptible children. Naficy K, et al. Am J Dis Child 120:520-3, Dec 70
Control of respiratory disease in recruits with types 4 and 7 adenovirus vaccines. Top FH Jr, et al.
Am J Epidemiol 94:142-6, Aug 71
Attenuated rubella vaccine (HPV-77): evaluation in a large controlled trial. Lipman RP, et al.
Am J Public Health 61:1392-402, Jul 71
Inactivated western equine encephalomyelitis vaccine propagated in chick embryo cell culture. Clinical and serological evaluation in man. Bartelloni PJ, et al.
Am J Trop Med Hyg 20:146-9, Jan 71
Effect of filtering Newcastle disease drinking water vaccine (BI strain). Abbood JN, et al.
Am J Vet Res 31:2275-7, Dec 70
Active immunization of White Pekin ducks against Duck virus enteritis (duck plague) with modified-live-virus vaccine: serologic and immunologic response of breeder ducks. Toth TE.
Am J Vet Res 32:75-81, Jan 71
Vaccination for rubella. Hoffman JD.
Ann Intern Med 74:799, May 71
A practical approach to the use of rubella vaccine. Stokes JS Jr. Ann Intern Med 74:136-7, Jan 71
Rubella virus vaccine. Recommendation of the advisory committee on immunization practices, U.S. Public Health Service. Ann Intern Med 73:779-81, Nov 70
Clinical trials with Cendehill strain attenuated rubella virus vaccine. Cherry JD, et al.
Antimicrob Agents Chemother 9:357-63, 1969
Antibody response and reactions to Cendehill rubella vaccine in adult women. DesRosiers S, et al.
Antimicrob Agents Chemother 9:364-9, 1969
Clinical studies with the Cendehill strain of attenuated rubella vaccine. Kilpe VE, et al.
Antimicrob Agents Chemother 9:352-6, 1969
Preparation of an inactivated EMC virus vaccine. Bogaerts WJ. Antonie van Leeuwenhoek 36:587, 1970
Quantitation of the antigenicity and immunogenicity of purified foot-and-mouth disease virus vaccine for swine and steers. Morgan DO, et al.
Appl Microbiol 20:770-4, Nov 70
Immunologic response of 2-day-old passively immune and susceptible chicks to inactivated Newcastle disease virus. II. Effect of adding normal chicken serum, agarose, and formalin to alum-precipitated and sodium-hydroxide-conjugated vaccine. Boney WA Jr, et al. Avian Dis 14:779-87, Nov 70
Immunologic and serologic response of White Pekin ducklings inoculated with single and combined duck virus hepatitis and duck virus enteritis modified-live-virus vaccines. Toth TE.
Avian Dis 14:697-705, Nov 70
Studies on live attenuated mumps virus vaccine. 1. Attenuation of mumps virus by serial passage in the chorioallantoic cavity of developing chick embryos and field trials by the inhalation method. Hosai H, et al. Biken J 13:121-6, Jun 70
A field trial with an improved Japanese encephalitis vaccine in a nonendemic area of the disease. Kanamitsu M, et al. Biken J 13:313-28, Dec 70
Studies on live mumps virus vaccine. 3. Evaluation of newly developed live mumps virus vaccine. Yamanishi K, et al. Biken J 13:157-61, Sep 70
Studies on live attenuated mumps virus vaccine. II. Biological characteristics of the strains adapted to the amniotic and chorioallantoic cavity of developing chick embryos. Yamanishi K, et al.
Biken J 13:127-32, Jun 70
World problems in viral vaccines. Cockburn WC.
Br Med Bull 25:121-5, May 69 (43 ref.)
Rubella vaccines. Dudgeon JA.
Br Med Bull 25:159-64, May 69 (58 ref.)
Arbovirus vaccines. Smith CE.
Br Med Bull 25:142-7, May 69 (85 ref.)
Combined virus vaccines. Br Med J 3:656-7, 18 Sep 71
A field trial of live avian infectious vaccines in replacement breeding stock. Smith VW, et al.
Br Vet J 127:xxxv-xxxix, Aug 71
Improvement of foot-and-mouth disease vaccine of Frenkel origin with the study of the immunogen virus component made evident by arcton extraction. Girard HC, et al. Bull Off Int Epizoot 70:307-40, Mar-Apr 69
Immunologic relationships between O Lausanne and Turkish O. Girard HC, et al.
Bull Off Int Epizoot 70:503-7, Mar-Apr 69
Basis of the preparation of A22 type foot-and-mouth disease vaccine in Turkey. Okay G, et al.
Bull Off Int Epizoot 70:341-50, Mar-Apr 69
The control of rubella in California. Saylor LF.
Calif Med 114:91-2, Apr 71
Experimental immunization of sows with inactivated transmissible gastroenteritis (TGE) virus. Thorsen J, et al. Can J Comp Med 35:99-102, Apr 71
A survey of rubella antibodies in health personnel and a report of vaccine trial. Snell E, et al.
Can Med Assoc J 104:206-9, 6 Feb 71
Prophylaxis of parainfluenza-3 infection in dairy calves. Burroughs AL, et al.
Cornell Vet 61:85-95, Jan 71
Studies on Newcastle (Ranikhet) disease. I. Serological reaction with "F" strain vaccination in chicks hatched from eggs of immunized hens. Gangopadhyay PK, et al. Indian Vet J 47:931-8, Nov 70
Rinderpest eradication in India. Nilakantan PR.
Indian Vet J 47:921-31, Nov 70
Safety and efficacy of an inactivated tissue culture vaccine for feline panleukopenia. Bittle JL, et al.
J Am Vet Med Assoc 157:2052-6, 15 Dec 70
Development of a non-infective protective antigen against louping-ill (arbovirus group B). Laboratory experiments. Brotherston JG, et al.
J Comp Pathol 80:377-88, Jul 70
A controlled field trial for an evaluation of effectiveness of mouse-brain Japanese encephalitis vaccine. Hsu TC, et al.
J Formosan Med Assoc 70:55-62, 28 Feb 71
Chick embryo lethal orphan (CELO) virus as a possible contaminant of egg-grown virus vaccines. Oxford JS, et al. J Hyg (Camb) 67:41-7, Mar 69
A new approach to development of live vaccine against tick-borne encephalitis. Smorodintsev AA, et al.
J Hyg (Camb) 67:13-20, Mar 69
Antigenicity of alum and aqueous adenovirus hexon antigen vaccines in man. Kasel JA, et al.
J Immunol 107:916-9, Sep 71
Virus-specific immunologic depression in mice following combined immunization and cyclophosphamide-induced immunosuppression. Weiner LP, et al. J Immunol 106:427-30, Feb 71
Common cold and the possibility of its immunoprophylaxis. Sarkar JK.
J Indian Med Assoc 55:355-6, 16 Nov 70
Enhanced resistance of mice to virulent Japanese B encephalitis virus following inactivated vaccine and poly I:C. Singh B, et al. J Infect Dis 122:339-42, Oct 70
Rubella vaccines. Healy A.
J Iowa Med Soc 60:828 passim, Dec 70
Rubella and rubella vaccines: current concepts. Witte JJ. J Med Assoc Ga 59:387-91, Oct 70
Canine tissue culture rubella vaccine in dog-sensitive children. Go S, et al. J Pediatr 78:307-10, Feb 71
Present status of measles and rubella immunization in the United States: a medical progress report. Krugman S. J Pediatr 78:1-16, Jan 71
Noncontagiousness of the Cendebrill vaccine strain of rubella virus from mother to newborn infant. Monif GR, et al. J Pediatr 78:206-7, Feb 71
Evaluation of rubella vaccination in a large school system. Schiff GM, et al. J Pediatr 78:211-9, Feb 71
Avoidance of rubella immunization of women during or shortly before pregnancy. Chin J, et al.
JAMA 215:632-4, 25 Jan 71
Failure to transmit rubella virus vaccine. A close-contact study in adults. Halstead SB, et al.
JAMA 215:634-6, 25 Jan 71
Rubella vaccination. A review of practical experience. Meyer HM Jr, et al. JAMA 215:613-9, 25 Jan 71
Rubella vaccination. Plotkin SA.
JAMA 215:1492-3, 1 Mar 71
Exposure of susceptible pregnant women to rubella vaccinees. Serologic findings during the Rhode Island

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

immunization campaign. Scott HD, et al.
JAMA 215:609-12, 25 Jan 71
Risk of early post-partum pregnancy in context of post-partum vaccination against rubella. Baldwin JA, et al. Lancet 2:366-7, 14 Aug 71
Rubella vaccination. Dodge JS. Lancet 2:93-4, 10 Jul 71
Post-partum vaccination of rubella-susceptible women. Horstmann DM, et al. Lancet 2:1003-6, 14 Nov 70
Vaccination against pediatric illness caused by parainfluenza virus, respiratory syncytial virus and certain adenoviruses. Current status and perspective. Parrott RH, et al. Med Ann DC 39:613-4 passim, Nov 70
Influence of congenital passive immunity on the response of chicks to Newcastle disease vaccination. Sugimura T, et al.
Natl Inst Anim Health Q (Tokyo) 10:99-105, Fall 70
Influence of Newcastle disease and infectious bronchitis live vaccines on chickens infected with Mycoplasma gallisepticum. Suzuki K, et al.
Natl Inst Anim Health Q (Tokyo) 11:94-9, Summer 71
Neutralizing antibody in the respiratory tract of chickens inoculated with Newcastle disease vaccines. Yoshida I, et al.
Natl Inst Anim Health Q (Tokyo) 11:75-82, Summer 71
Live vaccine approved.
Nature (Lond) 228:1247, 26 Dec 70
Rashness that may pay off.
Nature (Lond) 228:307-8, 24 Oct 70
Rubella-induced congenital defects and rubella immunization. Peterson DR, et al.
Northwest Med 70:169-70, Mar 71
Rubella vaccination and pregnancy. Liggins GC. NZ Med J 73:45, Jan 71
Further studies on feline respiratory virus diseases. 1. Vaccination experiments. Tan RJ, et al.
NZ Vet J 19:12-5, Jan-Feb 71
Postpartum rubella immunization. Results with the HPV-77 strain. Kelly CS, et al.
Obstet Gynecol 37:338-43, Mar 71
The use of standardized cell substrates as an alternative to primary animal tissue for vaccine production. Perkins FT.
Proc R Soc Med 63:985-6, Oct 70
The growth of vaccine strains of rubella virus in cultured human synovial cells. Grayzel AI, et al.
Proc Soc Exp Biol Med 136:496-8, Feb 71
Antibody response of various strains of rubella virus when inoculated into rabbits. London WT, et al.
Proc Soc Exp Biol Med 137:925-7, Jul 71
Preparation of noninfectious arbovirus antigens by sucrose-acetone extraction of gamma-irradiated tissue. Tzianabos T, et al.
Proc Soc Exp Biol Med 136:187-90, Jan 71
Immune response of pigs to inactivated foot-and-mouth disease vaccines. Response to emulsion vaccines. Anderson EC, et al. Res Vet Sci 12:342-50, Jul 71
Immune response of pigs to inactivated foot-and-mouth disease vaccines. Response to DEAE-dextran and saponin adjuvanted vaccines. Anderson EC, et al.
Res Vet Sci 12:351-7, Jul 71
The aerosol and subcutaneous administration of attenuated egg adapted distemper vaccine to ferret kits from distemper immune females. Farrell RK, et al. Res Vet Sci 12:392-3, Jul 71
Studies on rinderpest culture vaccine. 3. Stability of the lyophilised product. Plowright W, et al.
Res Vet Sci 11:71-81, Jan 70
Studies on rinderpest culture vaccine. IV. The stability of the reconstituted product. Plowright W, et al.
Res Vet Sci 12:40-6, Jan 71
The avirulence of the cultivated y strain of Trypanosoma cruzi. Menezes H.
Rev Inst Med Trop Sao Paulo 13:14-7, Jan-Feb 71
Rubella: will vaccination prevent birth defects? Eichhorn MM. Science 173:710-1, 20 Aug 71
VEE vaccine: fortuitous spin-off from BW research. Gillette R. Science 173:405-8, 30 Jul 71
Experimental immunization of cattle against bovine keratoconjunctivitis. Bowen JM, et al.
Tex Rep Biol Med 28:531-9, Winter 70
Studies of three avian pox viruses and the development of an improved fowl pox vaccine. Baxendale W. Vet Rec 88:5-10, 2 Jan 71
Studies on the duration of immunity conferred by a live-modified sheep pox tissue culture virus vaccine. Ramyar H, et al.
Zentralbl Veterinaermed [B] 17:489-74, Sep 70
Antibody response in mice inoculated with monovalent or trivalent foot-and-mouth disease vaccines. Traub E, et al. Zentralbl Veterinaermed [B] 17:497-507, Apr 70
[Anti-mumps vaccination with live attenuated vaccine in a children's community] Drouhet V, et al.
Ann Pediatr (Paris) 18:277-85, 2 Apr 71 (Fre)
[Rubella vaccination] Mande R.
Ann Pediatr (Paris) 17:783-9, 2 Nov 70 (Fre)
[Immunity and anti-rubella vaccination] Delville JP, et al. Arch Belg Med Soc 28:321-30, May 70 (Fre)
[Vaccination against a cancerous disease: Mareck's disease in poultry] Brion A, et al.
Bull Acad Natl Med (Paris) 155:99-105, 2 Feb 71 (Fre)
[Anti-mumps vaccination with a live attenuated vaccine in a children's collective] Drouhet V, et al.
Bull Acad Natl Med (Paris) 154:570-6, 30 Jun 70 (Fre)
[Research on foot-and-mouth disease vaccination of swine (trial of a trivalent O A C vaccine)] Giraud M, et al. Bull Acad Vet Fr 43:335-43, Jul 70 (Fre)
[Vaccination against rubella in the Hotel-Dieu Maternity Hospital in Rennes] Toulouse R, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:358-67, Jun-Aug 70 (Fre)
[Anti-rubella vaccination: our first experience] Zurlinden B, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:531-3, Nov-Dec 70 (Fre)
[The problem of the relations between the test of protection in cattle and the index of protection in mice in the checking of the effectiveness of anti-aphthous vaccines prepared with cultured virus] Bengelsdorff HJ, et al.
Bull Off Int Epizoot 70:405-17, Mar-Apr 69 (Fre)
[New developments in the Frenkel method. Results obtained] Durand M, et al.
Bull Off Int Epizoot 70:263-83, Mar-Apr 69 (Fre)
[Practical evaluation of the role of vaccine and serum in the prevention of aphthous fever in swine] Ercegovac D, et al. Bull Off Int Epizoot 75:21-6, Jan-Feb 71 (Fre)
[Studies of the action of a new anti-aphthous vaccine in swine] Giraud M, et al.
Bull Off Int Epizoot 70:285-306, Mar-Apr 69 (Fre)
[Influence of preservation at 4 degrees C of aphthous virus from renal cells on the quality of the prepared vaccines] Leunen J, et al.
Bull Off Int Epizoot 70:819-24, May-Jun 69 (Fre)
[Evolution and duration of anti-aphthous immunity in the primo-vaccinated ox] Lucam F, et al.
Bull Off Int Epizoot 70:463-84, Mar-Apr 69 (Fre)
[Immunological study of the sub-types of aphthous virus. Principle; method; use] Lucam F, et al.
Bull Off Int Epizoot 75:1-20, Jan-Feb 71 (Fre)
[Preparation of anti-aphthous saponinated concentrated vaccine from virus produced in renal tissue cultures] Mitev G, et al.
Bull Off Int Epizoot 70:869-74, May-Jun 69 (Fre)
[Harmlessness and immunogenic power of aphthous virus attenuated by passages in tissue cultures] Mitev G, et al.
Bull Off Int Epizoot 70:825-34, May-Jun 69 (Fre)
[Immunological variability in the type of aphthous virus, its limits and practical significance] Muntiu N, et al. Bull Off Int Epizoot 70:249-61, Mar-Apr 69 (Fre)
[Preparation and testing of an anti-aphthous vaccine with A22 virus cultured in tissue cultures] Orlov SD, et al. Bull Off Int Epizoot 70:393-5, Mar-Apr 69 (Fre)
[Checking of the immunity produced in a district by triple trivalent vaccination] Spuhler V, et al.
Bull Off Int Epizoot 70:485-501, Mar-Apr 69 (Fre)
[Production and control of inactivated vaccines against horse sickness] Stellmann C, et al.
Bull Off Int Epizoot 70:1031-57, Jul-Aug 69 (Fre)
[Attempted vaccination of swine with inactive aphthous virus vaccines. I. Tests of O virus inactivated with hydroxylamine, formol, heat and pH] Wittmann G, et al.
Bull Off Int Epizoot 70:351-79, Mar-Apr 69 (Fre)
[Use of a tissue culture vaccine in the prevention of small ruminant plague in Dahomey] Bourdin P, et al.
Rev Elev Med Vet Pays Trop 23:295-300, 1970 (Fre)
[Clinical and immunologic behavior during rinderpest contamination of cattle vaccinated several years ago against rinderpest with cell culture vaccines] Provost A, et al.
Rev Elev Med Vet Pays Trop 22:453-64, 1969 (Fre)
[Rinderpest vaccination trial of calves passively immune due to colostrum antibodies with an inactivated adjuvated vaccine prepared in cell cultures] Provost A, et al.
Rev Elev Med Vet Pays Trop 22:473-9, 1969 (Fre)
[Comparative study of the immunizing propery of attenuated liver vaccines against infectious bronchitis of poultry] Metianu T, et al.
Rev Immunol (Paris) 34:297-307, Oct-Dec 70 (Fre)
[Evaluation of various methods for determining the potency of fowl pox vaccines] Szakmáry G.
Arch Exp Veterinaermed 23:945-61, Nov 69 (Ger)
[Action of prednisolone on two lapinized hog cholera virus strains] Jaeger O, et al.
Berl Munch Tieraerztl Wochenschr 84:225-9, 15 Jun 71 (Ger)
[Significance and effectiveness of rubella vaccination] Dtsch Med Wochenschr 96:769, 23 Apr 71 (Ger)
[Indications for possibilities of preventive vaccination against measles and rubella] Siegert R.
Internist (Berlin) 12:309-12, Aug 71 (Ger)
[Some current questions regarding control of foot and mouth disease] Benndorf E.
Monatsh Vet Med 25:215-8, 15 Mar 70 (Ger)
[Methodical development of vaccine preparation] Anderer FA.
Verh Dtsch Ges Inn Med 75:618-9, 1969 (Ger)
[Preventive inoculation in large-scale cattle raising] Bürki F.
Wien Tieraerztl Monatsschr 58:112-8, Mar 71 (Ger)
[Serological studies of immunization against equine herpesvirus abortion (rhinopneumonitis)] Tripod-Böttcher R, et al.
Wien Tieraerztl Monatsschr 58:241-4, Jun 71 (Ger)
[Yellow fever vaccine production and control. II. Freeze-drying of yellow fever vaccine. A. The development of a chamber apparatus] Pichl H, et al.
Zentralbl Bakteriol [Orig] 215:404-28, 1970 (Ger)
[Experimental studies of the live-virus hog-cholera vaccine, "Suiferin," with special emphasis on the question of virus excretion by experimentally infected vaccinated animals] Liebke H, et al.
Zentralbl Veterinaermed [B] 18:44-60, 1 Feb 71 (Ger)
[Experiments on vaccination of cattle with an ethylethyleneimine (EEI)-diethylaminoethyl-dextran (DEAE-D) vaccine against foot-and-mouth disease of virus subtype O1] Wittmann G, et al.
Zentralbl Veterinaermed [B] 17:1067-8, Dec 70 (Ger)
[Experiments on vaccination of swine with monovalent ethylethyleneimine (EEI)-diethylaminoethyl-dextran (DEAE-D) vaccines against foot-and-mouth disease of the virus type A and C] Wittmann G, et al.
Zentralbl Veterinaermed [B] 17:1058-63, Dec 70 (Ger)
[Studies on the protective inoculation of 6- to 8-week-old piglets with ethylethyleneimine (EEI) diethylaminoethyl-dextran (DEAE-D) vaccines against foot-and-mouth disease caused by virus type O1] Wittmann G, et al.
Zentralbl Veterinaermed [B] 18:135-46, Mar 71 (Ger)
[Comparative studies of the time of establishment and duration of immunity in chickens vaccinated against pseudo-plague with inactivated virus in oily adjuvant or with attenuated virus] Compagnucci M, et al.
Acta Med Vet (Napoli) 16:253-75, May-Aug 70 (Ita)
[Prevention of avian pseudo-plague. Research with inactivated vaccine in oily adjuvant] Pagnini P, et al.
Acta Med Vet (Napoli) 15:267-311, Sep-Oct 69 (Ita)
[Practical use of an attenuated live anti-rubella vaccine (Cendehill 5) in childhood] Rondinini B, et al.
Clin Pediatr (Bologna) 51:522-9, Oct 69 (Ita)
[Clinical prospects and research on rubella and pregnancy] Simonetta R.
Minerva Ginecol 22:704-8, 13 Jul 70 (Ita)
[Experience with vaccination with attenuated rubella vaccine (strain HPV-77 adapted to duck cells, 5th passage)] Rocchi G, et al.
Nuovi Ann Ig Microbiol 21:336-40, Jul-Aug 70 (Ita)
[Effect of rubella vaccine in epidemics] Kuno K.
Acta Paediatr Jap 74:828-34, Sep 70 (Jap)
[Viral vaccine--immunity and vaccine] Fukumi H.
Jap J Clin Med 29:1218-24, 1971 (21 ref.) (Jap)
[Japanese encephalitis vaccine] Oya A.
Naika 26:494-5, Sep 70 (Jap)
[Virus vaccines]
Tidsskr Nor Laegeforen 91:140-6, 20 Jan 71 (Nor)
[Viral vaccines] Morzycka M.
Pol Tyg Lek 26:107-9, 18 Jan 71 (2 ref.) (Pol)
[Trachoma. Clinical trials on vaccination, isolation and identification of the agent. General results in Pará and Ceará 1967-1968] Ciribelli-Guimarães J, et al.
Rev Bras Malariol Doencas Trop 22:423-39, Apr-Dec 70 (Por)
[Rubella in São Paulo. Serological surveys in 349 subjects. Clinico-serological evaluation of 2 types of attenuated virus vaccine] Veronesi R, et al.
Rev Hosp Clin Fac Med Sao Paulo 26:65-8, Apr 71 (Por)
[Clinical and serological evaluation of an antirubella vaccine (Cendehill sample) in an urban population] Schatzmayr HG, et al.
Rev Inst Med Trop Sao Paulo 12:279-83, Jul-Aug 70 (Por)
[Anti-rubella vaccination] Sorodoc Y.
Stud Cercet Inframicrobiol 22:171-91, 1971 (151 ref.) (Rum)
[Isolation of chick leukemia virus in live viral vaccines of egg origin] Leshchinskaia NP, et al.
Biull Eksp Biol Med 66:89-92, Aug 68 (Rus)
[Study of the harmlessness, antigenicity and immunogenic activity of live antiparainfluenza vaccine] Morozenko MA, et al.
Vestn Akad Med Nauk SSSR 25:37-41, 1970 (Rus)
[Combined immunization against influenza and other viral respiratory infections] Selivanov AA, et al.
Vestn Akad Med Nauk SSSR 25:33-7, 1970 (Rus)
[Use of leukocytic interferon in combination with herpetic polyvaccine in herpetic keratitis] Abadzhian GA, et al. Vestn Oftalmol 2:52-4, 1971 (Rus)
[Immunogenic properties of vaccines prepared from viruses grown in tissue culture] Afrapetian VG, et al.
Veterinariia 9:42-4, Sep 70 (Rus)
[System of controlling the strength of postvaccinal immunity in fowl pseudoplague] Alekhin RM, et al.
Veterinariia 7:56-8, Jul 70 (Rus)
[Experience in prevention of foot-and-mouth disease] Kuznetsov NN. Veterinariia 6:49-50, Jun 70 (Rus)
[Immunogenic properties of Aujeszky's disease virus] Nochevnyĭ VT, et al. Veterinariia 6:44-6, Jun 70 (Rus)
[Foot-and-mouth virus component responsible for immunogenesis] Salazhov KL, et al.
Veterinariia 9:38-40, Sep 70 (Rus)
[Significance of preliminary treatment of lymphoid tissue with antigen in the process of hyperreproduction of anti-viral antibody] Georgadze IA, et al. Vopr Virusol 16:185-9, Mar-Apr 71 (Rus)
[A comparative evaluation of the immunogenic activity of attenuated strains of rubella virus from the USA, Belgium and the USSR] Nifontova AI, et al.
Vopr Virusol 15:711-4, Nov-Dec 70 (Rus)
[Epidemiologic effectiveness of a stimulator of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

interferon formation (ZHEV-4) during the period of incluenza A2 (Hong Kong) outbreak] Blinova MI, et al. Zh Mikrobiol Epidemiol Immunobiol 48:70-3, Jan 71 (Rus)

[Changes in the sensitivity of the body to heterologous viral infections following immunization with different virus vaccines. I. The ability of live polio vaccine and tick-borne encephalitis vaccine to evoke resistance to heterologous viral infections] Gorshunova LP, et al. Zh Mikrobiol Epidemiol Immunobiol 47:83-6, Jun 70 (Rus)

[Problem of decontaminating live vaccines (review)] Kravchenko AT. Zh Mikrobiol Epidemiol Immunobiol 48:66-71, May 71 (73 ref.) (Rus)

[Study of the effectiveness and safety of rubella vaccine] Villarejos VM, et al. Bol Of Sanit Panam 70:174-80, Feb 71 (Spa)

[Comparative studyof prototype and vaccinating strains of Junin virus (E.H.F.)] Coto CE, et al. Medicina (B Aires) Suppl 1:45-9, Sep 70 (Spa)

[Immunization against Argentinian hemorrhagic fever using an attenuated strain of Junin virus. IV. Evaluation of clinical and immunological results] Parodi AS, et al. Medicina (B Aires) Suppl 1:3-7, Sep 70 (Spa)

[Immunity and prevention of viral diseases] Borgoño JM. Rev Med Chil 97:452-7, Jul 69 (Spa)

[Biology of attenuated mumps, rubella, measles and rabies viruses. Comparative considerations on the methods of attenuation of their virulence] Ciaccio G. Riv Biol 63:87-129, Jan-Mar 70 (Mul)

ADMINISTRATION & DOSAGE

Simultaneous administration of live virus vaccines. Measles, mumps, poliomyelitis, and smallpox. Karchmer AW, et al. Am J Dis Child 121:382-8, May 71

Combined live measles, mumps, rubella vaccine. Immunological response. Krugman S, et al. Am J Dis Child 121:380-1, May 71

Duration of immunity in cattle in response to a viable, avirulent Leptospira pomona vaccine. Stalheim OH. Am J Vet Res 32:851-4, Jun 71

Studies on Japanese B encephalitis virus vaccines from tissue culture. XI. Immune mechanism and evaluation of the mouse challenge potency test. Singh B, et al. Appl Microbiol 21:743-8, Apr 71

Immunologic response of lambs to emulsified foot-and-mouth disease vaccine. Cunliffe HR, et al. Arch Gesamte Virusforsch 32:261-8, 1970

Combination vaccine. Arch Intern Med 126:576, Oct 70

Experimental infection of domestic fowls with Australian Newcastle disease viruses of low virulence and subsequent challenge with a virulent Newcastle disease virus. French EL, et al. Aust Vet J 45:481-5, Oct 69

Vaccination response of parentally immune chicks after yolk-sac inoculation of the embryo with inactivated Newcastle Disease Virus. Higgins DA. Avian Dis 15:98-101, Jan-Mar 71

Immunizing characteristics of a tissue-culture-origin modified live-virus ocular vaccine for infectious laryngotracheitis. Marty EW, et al. Avian Dis 15:277-83, Apr-Jun 71

Effect of vaccination with herpesvirus of turkeys (HVT) on horizontal spread of Marek's disease herpesvirus. Purchase HG, et al. Avian Dis 15:391-7, Apr-Jun 71

The development of a vaccine against avian infectious laryngotracheitis. IV. Immunization of chickens with a modified laryngotracheitis vaccine in the drinking water. Samberg Y, et al. Avian Dis 15:413-7, Apr-Jun 71

Live trachoma vaccine and topical therapy. Scott JG, et al. Br J Ophthalmol 55:189-91, Mar 71

Comparative immune response of lentogenic CDF-66 and F strains of Newcastle disease virus. Dhawedkar RG, et al. Indian Vet J 47:803-5, Sep 70

Lymphocytes and yellow fever. I. Transient virus refractory state following vaccination of man with the 17-D strain. Wheelock EF, et al. J Immunol 105:1304-6, Nov 70

Experimental respiratory infection with type 4 adenovirus vaccine in volunteers: clinical and immunological responses. Smith TJ, et al. J Infect Dis 122:239-48, Oct 70

Intranasal vaccination with RA 27-3 attenuated rubella virus. Puschak R, et al. J Pediatr 79:55-60, Jul 71

Viral hepatitis, type B (MS-2 strain). Studies on active immunization. Krugman S, et al. JAMA 217:41-5, 5 Jul 71

Combined live rubella-mumps virus vaccine. Findings in clinical-laboratory studies. Weibel RE, et al. JAMA 216:983-6, 10 May 71

Problems in developing a respiratory vaccine. Chang TW. N Engl J Med 283:1287, 3 Dec 70

Aerosol immunization of humans with inactivated parainfluenza type 2 vaccine. Wigley FM, et al. N Engl J Med 283:1250-3, 3 Dec 70

The effect of early natural exposure to Marek's disease on immunization of breeders by vaccination. Ball RF, et al. Poult Sci 50:648-9, Mar 71

Field trials with the herpes virus of turkeys (HVT) strain FC126 as a vaccine against Marek's disease. Purchase HG, et al. Poult Sci 50:775-83, May 71

Response of chicken vaccinated with live infectious bronchitis virus vaccine to killed Newcastle disease vaccine. Box PG, et al. Vet Rec 87:292-3, 5 Sep 70

The changing face of Newcastle disease control. Vet Rec 87:804-6, 26 Dec 70

Newcastle disease control: after the change. Vet Rec 88:573-6, 29 May 71

[Measurement of immunity of cattle against foot-and-mouth disease with the use of the sheep test] Fédida M, et al. Bull Off Int Epizoot 73:687-701, Jul-Aug 70 (Fre)

[Characteristics of immunity against foot-and-mouth disease in vaccinated sheep] Fédida M, et al. Bull Off Int Epizoot 73:653-86, Jul-Aug 70 (Fre)

[Foot-and-mouth disease of sheep] Mackowiak C. Bull Off Int Epizoot 73:703-14, Jul-Aug 70 (Fre)

[Attempts to produce a combined crystal violet vaccine against swine fever and Aujeszky's disease. I] Nedjalkov S, et al. Arch Exp Veterinaermed 24:159-65, 1970 (Ger)

[Studies on the suitability of tissue culture neutralization tests in the government etesting of adsorbed foot-and mouth disease vaccines. 1. The content of neutralizing antibody in the serum of cattle after vaccination with adsorbed vaccine against type O2 virus in comparison with the direct immunity testing in cattle] Rüting E, et al. Arch Exp Veterinaermed 23:827-38, 1969 (Ger)

[Experimental and practical studies of the immunization of chickens against pseudo-plague with attenuated monovalent (pseudo-plague) or bivalent (pseudo-plague-infectious bronchitis) aerosol vaccine] Pagnini P, et al. Acta Med Vet (Napoli) 16:233-52, May-Aug 70 (Ita)

[Experimental studies on protection against Rauscher leukemia with Rauscher virus vaccine] Nagao T, et al. Acta Haematol Jap 33:219-25, Apr 70 (Jap)

[Clinical and serological studies of live attenuated mumps virus vaccine--inoculation of mumps vaccine singly and in combination with measles vaccine] Kawanishi K. J Jap Assoc Infect Dis 45:54-66, Feb 71 (Jap)

[Aerosol vaccination of chicks against pseudoplague] Alenko VM, et al. Veterinariia 6:52-3, Jun 70 (Rus)

[Aerosol vaccination of swine against hog cholera] Kushnir AT, et al. Veterinariia 10:50-2, Oct 70 (Rus)

[The variability of tick-borne encephalitis virus. 7. Reactogenic and immunogenic properties of attenuated strain I-40 D upon oral vaccination of volunteers] Andzhaparidze OG, et al. Vopr Virusol 15:428-32, Jul-Aug 70 (Rus)

[The variability of tick-borne encephalitis virus. 6. Immunogenesis upon vaccination of mice with attenuated strain I-40 D] Stepanova LG, et al. Vopr Virusol 15:405-8, Jul-Aug 70 (Rus)

[Role of permeability of the mucous membranes of the gastrointestinal tract for microorganisms and their antigens in the mechanism of oral vaccination] Vorob'ev AA, et al. Zh Mikrobiol Epidemiol Immunobiol 48:80-5, Apr 71 (Rus)

ADVERSE EFFECTS

Joint complications associated with derivatives of HPV-77 rubella virus vaccine. Spruance SL, et al. Am J Dis Child 122:105-11, Aug 71

Comparative trials of RA 27-3 and Cendehill rubella vaccines in adult and adolescent females. Fogel A, et al. Am J Epidemiol 93:392-8, May 71

Immunologic response, virus excretion, and joint reactions with rubella vaccine. A study of adolescent girls and young women given live attenuated virus vaccine (HPV-77:DE-5). Lerman SJ, et al. Ann Intern Med 74:67-73, Jan 71

Frequency of arthralgia in women receiving one of three rubella vaccines. Monto AS, et al. Arch Intern Med 126:635-9, Oct 70

Acute arthritis complicating rubella vaccination. Thompson GR, et al. Arthritis Rheum 14:19-26, Jan-Feb 71

A method for detecting Newcastle disease virus of low virulence in poultry vaccines. Hirst RG, et al. Aust Vet J 47:119-21, Mar 71

Complications of rubella immunization in children. Chin J, et al. Calif Med 114:7-12, Mar 71

Comparative studies of vaccines against rubella. Riley HD Jr. J Okla State Med Assoc 63:53-5, Feb 70

Rubella vaccine. J R Coll Gen Pract 19:315-6, Jun 70

Neuritis and arthritis following rubella immunization. Chin J, et al. JAMA 215:485-6, 18 Jan 71

Two syndromes following rubella immunization. Clinical observations and epidemiological studies. Kilroy AW, et al. JAMA 214:2287-92, 28 Dec 70

Catcher's crouch and rubella immunization. Noble JS, et al. JAMA 217:212, 12 Jul 71

Safety of immunizing agents in pregnancy. Med Lett Drugs Ther 12:23-4, 6 Mar 70

Inadvertent rubella virus vaccination during pregnancy. Larson HE, et al. N Engl J Med 284:370-3, 22 Apr 71

Rubella vaccination. Warren RJ. N Engl J Med 283:1233-4, 26 Nov 70

Clinical response to immunization with Cendehill strain rubella vaccine. Rogers KD, et al. Pediatrics 47:7-15, Jan 71

Distemper vaccine in pregnant ferrets and mink. Hagen KW, et al. Res Vet Sci 11:458-60, Sep 70

Problems of rubella vaccination in adult women. Delaney JJ. Rocky Mt Med J 67:53-6, Oct 70

[Morphological changes in the central nervous system in post-vaccinal encephalomyelitis developing after chickenpox vaccination in children] Ravkina LI, et al. Zh Nevropatol Psikhiatr 70:1465-71, 1970 (Rus)

ANALYSIS

Quantitation of residual host protein in chicken embryo-derived vaccines by radial immunodiffusion. O'Brien TC, et al. Appl Microbiol 21:780-2, Apr 71

ISOLATION & PURIFICATION

[Purifying the vaccinia virus vaccine by gel filtration] Sticki H, et al. Zentralbl Bakteriol [Orig] 215:38-50, 1970 (Ger)

PHARMACODYNAMICS

Structural changes observed in human blood after viral vaccination. Lavenda N. Acta Virol (Praha) 15:349, May 71

"Rubella virus vaccine, live". Clin Pediatr (Phila) 9:15A passim, Dec 70

The action of an antitrachoma vaccine on mouse experimental pulmonary infection. Casazza AM, et al. Progr Immunobiol Stand 4:666-71, 1970

Immunizing effect of photoinactivated pseudorabies virus. Borgen HC, et al. Zentralbl Bakteriol [Orig] 214:13-6, 1970

[Tuberculin allergy and behavior of leukocytes in tuberculin-positive children vaccinated against rubella] Businco L, et al. Minerva Pediatr 23:371-4, 3 Mar 71 (Ita)

[Elastic transformation in presence of tuberculin antigens of lymphocytes of children vaccinated against rubella] Moschini L, et al. Minerva Pediatr 23:375-8, 3 Mar 71 (Ita)

RADIATION EFFECTS

Immunity to aerosol challenge in guinea pigs immunized with gamma-irradiated Venezuelan equine encephalitis vaccines. Reitman M, et al. Appl Microbiol 21:688-92, Apr 71

STANDARDS

The efficiency of Australian Newcastle disease virus for vaccine production. Webster AF, et al. Aust Vet J 46:540-1, Nov 70

Newcastle disease virus: evaluation of an avirulent enteric isolate as a viable vaccine. Beard CW. Avian Dis 15:334-41, Apr-Jun 71

Field trials of vaccines for Marek's disease. Eidson CS, et al. Avian Dis 15:312-22, Apr-Jun 71

Monitorying poultry vaccines for biocontamination with lymphoid leukosis virus. Oshel DD, et al. Avian Dis 15:150-7, Jan-Mar 71

A new method for a potency test of Japanese encephalitis vaccine. Direct challenge method on suckling mice by subcutaneous inoculation. Miura T. Bull WHO 43:553-7, 1970

Feline panleukopenia biologics. Goff MT. J Am Vet Med Assoc 158:Suppl 2:907+, 15 Mar 71

Progress toward improved modified live-virus vaccines. Phillips CE. J Am Vet Med Assoc 157:1864-6, 1 Dec 70

Comments on feline panleukopenia biologics. Scott FW. J Am Vet Med Assoc 158:Suppl 2:910-5, 15 Mar 71

Production and evaluation of a formalin-killed Chikungunya vaccine. Harrison VR, et al. J Immunol 107:643-7, Sep 71

A simple potency test for foot-and-mouth disease vaccines in mice and comparison of results with those of potency tests in cattle. Traub E, et al. Zentralbl Veterinaermed [B] 17:389-400, Mar 70

[Methods and results of 15 years of official control of the efficacy of foot-and-mouth disease vaccines produced in France] Lucam F, et al. Arch Exp Veterinaermed 24:141-57, 1970 (Fre)

[Rubella: standards for an efficient and safe vaccine] Huygelen C, et al. Bull Fed Soc Gynecol Obstet Lang Fr 20:Suppl:445-6, 1968 (Fre)

[Verification of a method of standardization of the antigens of anti-aphthous vaccine based on complement fixation capacity] Strobbe R, et al. Bull Off Int Epizoot 70:397-404, Mar-Apr 69 (Fre)

[Avian viruses from the viewpoint of safety control of vaccines] Pille E, et al. Monatsh Vet Med 25:264-8, 1 Apr 70 (Ger)

[Forensic problems arising from vaccination against avian encephalomyelitis] Köhler H. Wien Tieraerztl Monatsschr 57:74-8, Feb 70 (Ger)

[Prospects in standardization and control of viral vaccines] Cernescu C.
Stud Cercet Inframicrobiol 21:303-22, 1970 (90 ref.) (Rum)

SUPPLY & DISTRIBUTION

Acceptance of rubella vaccination in a military dependent population. Gooch WM 3d.
Milit Med 135:998-1000, Nov 70

THERAPEUTIC USE

Use of attenuated live mumps virus vaccine during a "virgin soil" epidemic of mumps on St. Paul Island, Alaska. Maynard JE, et al.
Am J Epidemiol 92:301-6, Nov 70
A comparative field evaluation of three live, attenuated rubella virus vaccines. Kehrer AF, et al.
Am J Public Health 61:152-6, Jan 71
Rubella vaccine trial in children in Hawaii. Roth A.
Hawaii Med J 29:561, Sep-Oct 70
Immunoprophylaxis of viral infections in childhood. Ogra PL.
Indian J Pediatr 37:376-94, Aug 70
Rapid implementation of a new vaccine on a statewide level. Jackson CL, et al.
J Okla State Med Assoc 63:580-7, Dec 70
Rubella vaccine reconsidered.
Med Lett Drugs Ther 12:91-2, 30 Oct 70
Studies on the antiviral effect of rifampicin in volunteers. Moshkowitz A, et al.
Nature (Lond) 229:422-4, 5 Feb 71
Rubella protection--but how?
Nurs Times 67:41-2, 14 Jan 71
Bovine ephemeral fever. II. Responses of cattle to attenuated and virulent virus. Heuschele WP, et al.
Proc US Anim Health Assoc 73:185-95, 1969
Field trials with an attenuated cell associated vaccine for Marek's disease. Biggs PM, et al.
Vet Rec 87:704-9, 5 Dec 70
[Epizootiology of Aujeszky's disease in Czechoslovakia. 3. Effect, on the course of the epidemic, of mass inoculation of pigs with live-virus vaccine] Skoda R, et al. Arch Exp Veterinaermed 24:167-77, 1970 (Ger)
[Prevention of congenital heart defects by rubella vaccination] Vivell O. Med Welt 14:547, 3 Apr 71 (Ger)
[Test of dry virus vaccine against Aujeszky's disease in fur-bearing animals] Kasiuk II.
Veterinariia 10:47-8, Oct 70 (Rus)

TOXICITY

Feline panleukopenia: experimental cerebellar hypoplasia produced in neonatal ferrets with live virus vaccine. Duenwald JC, et al.
Res Vet Sci 12:394-6, Jul 71

VIRILISM (C6, C7)

see also related
ADRENOGENITAL SYNDROME (C6, C7)

[Hirsutism, dermatologic symptom of virilism] Lapière CM. Rev Med Liege 25:370-2, 1 Jun 70 (Fre)
[On sex differentiation disorders] Benedetti A.
Minerva Med 61:5432-45, 28 Nov 70 (Ita)
[Clinico-electrophysiological parallels in atypical forms of virilization in girls] Bogdanova EA, et al.
Akush Ginekol (Mosk) 46:16-21, Dec 70 (Rus)

CHEMICALLY INDUCED

Androgenicity in the rat fetus of metabolites of testosterone and antagonism by cyproterone acetate. Goldman AS, et al. Endocrinology 89:276-80, Jul 71
[Anabolic steroids and pathology of sex development] Cruz M, et al.
Munch Med Wochenschr 113:949-53, 18 Jun 71 (Ger)
[Anabolic steroids and pathology of the sexual development] Cruz M, et al.
Minerva Med 62:2580-4, 27 Jun 71 (Ita)

COMPLICATIONS

[Virilization syndrome associated with endometrial carcinoma and development of atypical epithelium in the vaginal stump (in situ carcinoma)] Luca LA de.
Rev Paul Med 77:183-92, May 71 (Por)

DIAGNOSIS

[Mildly marked virilization at the age of puberty] Bogdanova EA, et al.
Akush Ginekol (Mosk) 46:63-5, Feb 70 (Rus)

DRUG THERAPY

Treatment of hirsutism and other signs of virilism with a reversed sequential administration of cyproterone acetate and ethinyl oestradiol. Clinical and endocrinological aspects. Zielske F, et al.
Acta Endocrinol [Suppl] (Kbh) 155:172, 1971

ETIOLOGY

Male external genitalia of a girl caused by a virilizing adrenal tumour in the mother. Case report and steroid studies. Mürset G, et al.
Acta Endocrinol (Kbh) 65:627-38, Dec 70
Massive ovarian edema with stromal luteinization: a newly recognized virilizing syndrome apparently related to partial torsion of the mesovarium. Roth LM.
Am J Clin Pathol 55:757-60, Jun 71
Virilization in pregnancy associated with an ovarian mucinous cystadenoma. Chan LK, et al.
Am J Obstet Gynecol 108:946-9, 15 Nov 70
Luteomas of pregnancy: a cause for maternal virilization. Jewelewicz R, et al.
Am J Obstet Gynecol 109:24-8, 1 Jan 71
Gonadal dysgenesis with isolated clitoromegaly, XY karyotype, and bilateral gonocytoma with massive Leydig cell hyperplasia. Zdrate A, et al.
Am J Obstet Gynecol 110:875-8, 15 Jul 71
Strumal carcinoid of the ovary with masculinization. Dikman SH, et al. Cancer 27:925-30, Apr 71
Disorders of androgen metabolism in women. Bardin CW. Conn Med 35:237-41, Apr 71
Case for diagnosis. Norris HJ.
Milit Med 135:799 passim, Sep 70
[Tumor of cells of the ovary hilus with masculinization syndrome (apropos of a case)] Loewenthal M, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:177-84, Apr-May 70 (Fre)
[Hyperandrogenism and pregnancy] Richon J, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:209-19, Apr-May 70 (Fre)
[Major repetitive surgery in a case of a woman with adrenal gland neoplasm and virilizing manifestations] Jacquemet LR, et al.
Lyon Chir 65:824-9, Jul-Aug 69 (Fre)
[Masculinizing tumors of the adrenal cortex in children before puberty] Decourt J, et al.
Sem Hop Paris 45:817-26, 14 Mar 69 (Fre)
[Suprarenal virilism] Schindler H.
Munch Med Wochenschr 112:1918-9, 16 Oct 70 (Ger)
[Virilizing adrenal cortex tumor] Brandesky G, et al.
Wien Klin Wochenschr 82:65-7, 23 Jan 70 (Ger)
[Adrenal virilism caused by an ovarian tumor] Nesit V, et al. Zentralbl Gynaekol 92:240-4, 21 Feb 70 (Ger)
[The so-called androgenism in menopause women] Ferramosca B, et al.
Endocrinol Sci Cost 30:363-82, Apr 69 (Ita)
[Pathogenetic aspects of hypertrichosis in women] Ponte PL, et al.
Minerva Ginecol 21:893-900, 31 Jul 69 (Ita)
[A case of acquired virilization with neurological symptoms] Hartwig W, et al.
Endokrynol Pol 21:641-53, 1970 (Pol)
[Use of synthetic progestins in diagnosing the causes of virilism] Tumilovich LG, et al.
Sov Med 34:34-7, Jan 71 (Rus)

METABOLISM

The contribution of plasma dehydroepiandrosterone sulfate to testosterone in a virilized patient with an arrhenoblastoma. Loriaux DL, et al.
J Clin Endocrinol Metab 31:702-4, Dec 70

THERAPY

Conversion of virilization to feminization in a young girl with adrenal cortical carcinoma. Halmi KA, et al.
Cancer 27:931-5, Apr 71

URINE

Studies of androgens and their precursors in adrenocortical virilizing carcinoma. Saez JM, et al.
J Clin Endocrinol Metab 32:462-9, Apr 71
[Steroid gas-chromatogram changes under the influence of ACTH] Cereda F, et al.
Rev Fr Endocrinol Clin 11:199-210, May-Jun 70 (Fre)

VIROLOGY (G1)

Regional viral service laboratories. Burch GE.
Am Heart J 81:847, Jun 71
[Results of 7 years' activity of a hospital virology laboratory (1963-1970)] Verdaguer S, et al.
Bord Med 4:377-8 passim, Feb 71 (Fre)
[Function of the virology laboratory in a hospital center for infectious pathology] Bornand JE.
Rev Med Suisse Romande 91:335-46, May 71 (Fre)
[Some results of work and tasks of the D.K. Zabolotny Institute of Microbiology and Virology] Moskovets SM. Mikrobiol Zh 33:131-3, Mar-Apr 71 (Ukr)

HISTORY

[Some results of the work of the D.D. Zabolotnyĭ Institute of Microbiology and Virology of the Ukrainian SSR Academy of Sciences] Moskovets SN. Mikrobiologiia 39:924-6, Sep-Oct 70 (Rus)
[Achievements in microbiology and virology in the Ukrainian SSR after the Great October Socialist Revolution] Kvasnikov EI, et al.
Mikrobiol Zh 32:139-48, 1970 (Ukr)

VIRULENCE (G1)

Morphological criteria of neurovirulence of viruses in viral vaccine production. Rozina EE.
Acta Virol (Praha) 15:95-101, Jan 71
Plaque size and virulence of attenuated Venezuelan equine encephalomyelitis virus after passage in various hosts. Hearn HJ, et al.
Am J Epidemiol 94:56-61, Jul 71
Endemic smallpox in rural East Pakistan. II. Intervillage transmission and infectiousness. Thomas DB, et al. Am J Epidemiol 93:373-83, May 71
Virulence and pathogenesis of yellow fever virus serially passaged in cell culture. Converse JL, et al.
Appl Microbiol 21:1053-7, Jun 71
Behavior of poliovirus strains of different virulence under solid overlays. Balayan MS, et al.
Arch Gesamte Virusforsch 32:299-310, 1970
Neurovirulence of polioviruses isolated form sewage and stool of healthy children. II. Neurovirulence of strains and types 1 and 3. Verlinde JD, et al.
Arch Gesamte Virusforsch 32:311-7, 1970
Capsular protection against virulent coliphage infection. Paynter MJ, et al.
Biotechnol Bioeng 12:341-6, May 70
Comparison between the attigenic components extracted from virulent and avirulent strains of mycobacteria. Turcotte R, et al.
Can J Microbiol 17:95-100, Jan 71
Evidence for the rapid decrease in leukemogenic potential Rauscher leukemia virus in cell culture. Schlom J, et al. Cancer Res 31:260-4, Mar 71
Cytological investigations on the nuclear structure lesions of cells infected with influenza virus. Atsev S, et al. Dokl Bolg Akad Nauk 22:193-6, 1969
Virulence of strains of Entamoeba histolytica to rats and the effect of cholesterol, rat caecal and hamster liver passage on the virulence of non-invasive strains. Singh BN, et al. Indian J Exp Biol 9:21-7, Jan 71
Studies on the cytopathogenicity of Newcastle disease virus: relation between virulence, polykaryocytosis and plaque size. Reeve P, et al.
J Gen Virol 11:17-24, Apr 71
Study of the possibility of selection of the avirulent strain Rickettsia prowazeki E in cocultivation with a virulent strain of Rickettsia prowazeki in chick embryos. Balayeva NM.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:341-9, 1970
Antigenic structure and virulence of Salmonella typhi. Belaya JA.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:263-73, 1970
Antigenic structure of tularemia microbe strains with different degrees of virulence. Meshcheryakova IS.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:446-56, 1970
The influence of altered viral virulence on the response of host serum alpha glycoglobulins. Rollins JB, et al.
J Infect Dis 122:329-34, Oct 70
A leptospiral factor producing a cytopathic effect on L cells. Yam PA, et al. J Infect Dis 122:310-7, Oct 70
Virulent mutants of bacteriophage p22.I. Isolation and genetic analysis. Bronson MJ, et al.
J Virol 7:559-68, May 71
Regional variation in the guinea-pig virulence and other characteristics of tubercle bacilli. Mitchison DA. Pneumonologie 142:131-7, 1970
The virulence for mice of Salmonella typhimurium T1 mutants. Ruschmann E, et al.
Zentralbl Bakteriol [Orig] 216:185-92, 1971
The relation between M-typability of group A streptococci, virulence and antibody response in general practice. Valkenburg HA, et al.
Zentralbl Bakteriol [Orig] 214:458-64, 1970
[Substrates for the multiplication and increased virulence of pathogenic and conditionally pathogenic microorganisms. I. Multiplication and increased virulence of Bac. anthracis in cadaveric meal] Toshkov A, et al.
Izv Mikrobiol Inst (Sofiia) 20:101-4, 1969 (Bul)
[Biological and biochemical studies of the growth of virulence of several septicemic and blood-infective agents. VI. Dehydrogenase activity of Pseudomonas pseudomallei with various virulence] Velianov D, et al. Izv Mikrobiol Inst (Sofiia) 20:233-8, 1969 (Bul)
[Studies on the multiplication capacity of variants of Salmonella cholerae suis and Salmonella dublin under different conditions of virulence] Kaloyanov I, et al.
Dokl Bolg Akad Nauk 22:185-8, 1969 (Fre)
[Oxygen consumption and dehydrogenase activity of variants of Salmonella cholerae suis and Salmonella dublin under different conditions of virulence] Kaloyanov I, et al.
Dokl Bolg Akad Nauk 22:189-92, 1969 (Fre)
[Importance of virulence and serotype of the causal agent in the pathogenesis of listeria encephalitis in laboratory animals] Jakob W, et al.
Arch Exp Veterinaermed 23:883-92, 1969 (Ger)
[A comparison of sensitin tests on guinea pigs with serotypes and virulence for chickens in M. avium and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

M. intracellulare] Anz W, et al.
Zentralbl Bakteriol [Orig] 215:536-49, 1970 (Ger)
[A simple method for virulence determination of inflammation-inducing bacteria] Rotter M, et al.
Zentralbl Bakteriol [Orig] 216:517-26, 1971 (Ger)
[Genetic markers and their interrelationship in influenza viruses. 4. The thermoresistance of infectious and hemagglutinating properties and their relationship to virulence for mice] Sokolov MI, et al.
Vopr Virusol 15:561-6, Sep-Oct 70 (Rus)
[Virulent properties of revertants of streptomycin-dependent salmonella mutants] Shuster BIu, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:29-33, Jun 71 (Rus)

DRUG EFFECTS

Effect of parenteral iron preparations on renal infection due to Escherichia coli in rats and mice. Fletcher J, et al.
Antimicrob Agents Chemother 9:454-7, 1969
[Atenuation of virulene and changes of form in crown-gall bacteria. Agrbacteri tumefaciens (Smith t Town.) Conn] Manigault P, et al.
Zentralbl Bakteriol [Naturwiss] 124:733-8, 1970 (Fre)

RADIATION EFFECTS

Effects of radiation pasteurization on Salmonella. II. Influence of repeated radiation-growth cycles on virulence and resistance to radiation and antibiotics. Previte JJ, et al. Can J Microbiol 17:105-10, Jan 71

VIRUS CULTIVATION (E5)

see also related
TISSUE CULTURE (E5)

Plaque size and virulence of attenuated Venezuelan equine encephalomyelitis virus after passage in various hosts. Hearn HJ, et al.
Am J Epidemiol 94:56-61, Jul 71
Preparation of high-titer mycobacteriophage lysates and phage deoxyribonucleic acid. Mankiewicz E, et al.
Am Rev Resp Dis 103:850-2, Jun 71
Ultraviolet spectrogramic microscope studies of Rous sarcoma virus cultured in cell-free medium. Alexander-Jackson E.
Ann NY Acad Sci 174:765-81, 30 Oct 70
Studies of Epstein-Barr virus. Grace JT Jr.
Ann NY Acad Sci 174:946-66, 30 Oct 70
Comparison of agar and agarose preparations for mengovirus plaque formation. Borden EC, et al.
Appl Microbiol 20:289-91, Aug 70
Potential of kidney cell cultures from nonhibernating thirteen-lined ground squirrels (Citellus tridecemlineatus) for virus propagation. Cashon GW, et al. Appl Microbiol 20:593-7, Oct 70
Virulence and pathogenesis of yellow fever virus serially passaged in cell culture. Converse JL, et al.
Appl Microbiol 21:1053-7, Jun 71
Comparison of microtiter procedures with the plaque technique for assay of vesicular stomatitis virus. Rosenthal LJ, et al. Appl Microbiol 21:400-4, Mar 71
Comparison of various methods for preparation of viral serological antigens from infected cell cultures. Schmidt NJ, et al. Appl Microbiol 21:217-26, Feb 71
Growth of Rio Bravo virus in cell cultures. Wilhelm AR, et al. Appl Microbiol 20:612-5, Oct 70
Plaque production by hog cholera virus. Bekkum JG van, et al. Arch Gesamte Virusforsch 32:185-200, 1970
Studies of laryngotracheitis virus in avian tissue cultures. II. Deficient adsorption of a strain of laryngotracheitis virus. Rossi CR, et al.
Arch Gesamte Virusforsch 31:313-20, 1970
A plaque assay system for rinderpest virus and its use in characterising virus adsorption. Taylor WP, et al.
Arch Gesamte Virusforsch 32:269-82, 1970
Virus formation in HeLa-INO cells cultured in vitro starting on DNA from lymph nodes of Hodgkin's disease. Valladares Y, et al.
Arch Geschwulstforsch 34:289-96, 1969
Studies on Asiatic influenza viruses. 8. Isolation of A2 influenza virus on surviving fragments of chick embryo chorioallantoic membranes. Lobodziñska M.
Arch Immunol Ther Exp (Warsz) 18:511-4, 1970
Experimental study of a live measles vaccine of the ESC strain, prepared from priary lamb kidney cultures (LKC). Chumakov MP, et al.
Arch Roum Pathol Exp Microbiol 28:641-9, Jun-Sep 69
Propagation of poliovirus of Cercopithecus monkey kidney cells in rolling bottles. Klein R, et al.
Arch Roum Pathol Exp Microbiol 28:247-52, Mar 69
Propagation of herpes type virus isolated from chickens with Marek's disease in Japanese quail embryo fibroblasts. Onoda T, et al.
Biken J 13:219-28, Sep 70
Cell culture propagation of neonatal calf diarrhea (scours) virus. Mebus CA, et al.
Can Vet J 12:69-72, Mar 71
Isolation of a non-focus-forming agent from strain MC29 avian leukosis virus. Langlois AJ, et al.
Cancer Res 31:1010-8, Jul 71
Stimulation of mammary tumor virus production in a mouse mammary tumor cell line. Lasfargues EY, et al.
Cancer Res 30:1100-17, Apr 70
Protein structure and freeze-drying: the effects of residual moisture and gases. Greiff D.
Cryobiology 8:145-52, Apr 71
Electron microscopic detection of transforming viruses induced by cell association. I. The SV40 model. Menezes J. Int J Cancer 7:331-8, 15 Mar 71
Host-cell reactivation in mammalian cells. I. Survival of ultra-violet-irradiated herpes virus in different cell-lines. Lytle CD. Int J Radiat Biol 19:329-37, 1971
Herpesvirus infection of pigeons. 3. Use of embryonated eggs for the growth and characterization of the virus. Cornwell HJ, et al.
J Comp Pathol 80:509-15, Oct 70
Herpesvirus infection of pigeons. IV. Growth of the virus in tissue-culture and comparison of its cytopathogenicity with that of the viruses of laryngo-tracheitis and pigeon-pox. Cornwell HJ, et al.
J Comp Pathol 80:517-23, Oct 70
The growth of some tick-borne arboviruses in cell cultures derived from tadpoles of the common frog, Rana temporaria. Pudney M, et al.
J Gen Virol 10:131-8, Feb 71
Further studies on the growth of rubella virus in human embryonic organ cultures: preliminary observations on interferon production in these cultures. Best JM, et al. J Hyg (Camb) 69:223-32, Jun 71
The development of feline cell lines for the growth of feline infectious enteritis (panleucopaenia) virus. O'Reilly KJ, et al. J Hyg (Camb) 67:115-24, Mar 69
Guinea pig leukocytes: in vivo and in vitro infection with a herpes-like virus. Hsiung GD, et al.
J Immunol 106:1686-9, Jun 71
Laboratory studies on the varicella-zoster virus. Meurisse EV. J Med Microbiol 2:317-25, Aug 69
Plaque types and cell-free virus from tissue cultures infected with Cal-1 strain of herpesvirus associated with Marek's disease. Mikami T, et al.
J Natl Cancer Inst 45:319-33, Aug 70
Cellular interactions in vitro with cells derived from tumors induced by murine sarcoma virus (Harvey). Simons PJ, et al. J Natl Cancer Inst 46:1229-42, Jun 71
Murine myeloproliferative virus in cell culture. Soule HD, et al. J Natl Cancer Inst 45:253-62, Aug 70
Propagation in human cells of a filterable agent from the ST feline sarcoma. Chang RS, et al.
J Virol 6:599-603, Nov 70
Effect of trypsin on viral susceptibility of Vero cell cultures--cercopithecus kidney line. Ito H, et al.
Jap J Med Sci Biol 23:227-35, Aug 70
Studies on the hyperplastic focus formation by variola virus in human cell cultures. 3. Virus growth and focus formation in HeLa cells cultured at supraoptimal temperatures. Kitamura T.
Jap J Med Sci Biol 24:153-62, Jun 71
Cultivation of measles virus in sheep kidney cells. Makino S, et al. Jap J Microbiol 14:501-4, Nov 70
Grouping of enteroviruses according to their resistant cells. Horie K, et al.
Kitasato Arch Exp Med 43:45-63, Dec 70
Studies of rubella virus. 1. A study of growh of rubella viru in kidney culture cells of African green monkey. Takada M, et al.
Kitasato Arch Exp Med 42:123-31, Dec 69
Attempts at virus culture from the kidneys of NZB X NZW mice. Gabriel R, et al. Lancet 1:451-2, 27 Feb 71
Plaque assay in petri dishes in the absence of CO2 atmosphere. Ronda-Lain C, et al.
Microbiol Esp 23:61-7, Jan-Mar 70
Changes in pathogenicity of equine infectious anemia virus during passages in horse leukocyte cultures. Kono Y, et al.
Natl Inst Anim Health Q (Tokyo) 10:106-12, Fall 70
In-vitro studies of rat viruses. I. Effects of long-term culture. Lum GS. Oncology 24:401-15, 1970
The use of standardized cell substrates as an alternative to primary animal tissue for vaccine production. Perkins FT.
Proc R Soc Med 63:985-6, Oct 70
A plaque assay for chick-embryo-lethal-orphan (CELO) virus. Anderson J, et al.
Proc Soc Exp Biol Med 136:499-502, Feb 71
Growth of parainfluenza virus 1 in isolated perfused rat lungs. Braun P, et al.
Proc Soc Exp Biol Med 136:374-6, Feb 71
The adaptation of two human coronavirus strains (OC38 and OC43) to growth in cell monolayers. Bruckovà M, et al. Proc Soc Exp Biol Med 135:431-5, Nov 70
Suckling mouse cataract agent (SMCA) in tissue culture. Fabtyi A, et al.
Proc Soc Exp Biol Med 136:88-91, Jan 71
Biological properties of a syncytia-forming agent isolated from domestic cats (feline syncytia-forming virus). Hackett AJ, et al.
Proc Soc Exp Biol Med 135:899-904, Dec 70
Long-term in vitro cultivation of Rauscher Leukemia virus in rat embryo cells. Rhim JS, et al.
Proc Soc Exp Biol Med 135:160-6, Oct 70
Evaluation of low temperature grown influenza A2-Hong Kong virus in volunteers. Van Kirk JE, et al.
Proc Soc Exp Biol Med 136:34-41, Jan 71
Plaque assay of cytomegalovirus strains of human origin. Wentworth BB, et al.
Proc Soc Exp Biol Med 135:253-8, Nov 70
Multiplication of scrapie agent in cell culture. Clarke MC, et al. Res Vet Sci 11:560-1, Sep 70
The susceptibility of a dog kidney cell-line (MDCK) to canine distemper, infectious canine hepatitis and canine herpes virus. Cornwell HJ, et al.
Res Vet Sci 11:580-2, Nov 70
The multiplication of Taifan virus in pig intestinal organ cultures. Derbyshire JB, et al.
Res Vet Sci 12:367-70, Jul 71
The effect of agarose overlay on plaque formation by a small-plaque-forming virus of foot-and-mouth disease. Martinsen JS. Res Vet Sci 11:387-8, Jul 70
Growth curve and yield of tobacco mosaic virus in tobacco callus cells. Murakishi HH, et al.
Virology 45:62-8, Jan 71
Plaque assay techniques for murine leukemia viruses. Rowe WP, et al. Virology 42:1136-9, Dec 70
Virus studies in hepatitis. Berthold H, et al.
Vox Sang 19:254-60, Sep-Oct 70
Freeze-drying of vaccinia virus grown on chick embryo membranes Hedström KG.
Z Immunitaetsforsch Allerg Klin Immunol 139:245-52, Apr 70
Bovine Herpes mammillitis (BHM) virus: electron microscopy of the virus in tissue culture of primary bovine kidney cells. Smíd B, et al.
Zentralbl Veterinaermed [B] 18:1-8, 1 Feb 71
[Experiments in the adaptation of 2 strains of the influenza virus in a model monolayer cell culture of calf kidney] Gagov I.
Izv Mikrobiol Inst (Sofiia) 20:191-201, 1969 (Bul)
[Culture of the French neurotropic strain of yellow fever virus on the continuous pig kidney cells, PS-2] Brès P, et al.
Ann Inst Pasteur (Paris) 120:243-55, Feb 71 (Fre)
[Neurovirulence of the French neurotropic strain of the yellow fever virus: its study by the thermal sensitivity of viral development and analysis of viral populations obtained by the plaque method] Brès P, et al.
Ann Inst Pasteur (Paris) 120:671-82, May 71 (Fre)
[Culture of the aphthous fever virus on surviving bovine lingual epithelium. New technic allowing an increased viral yield: multiculture technic] Dubouclard C, et al.
Bull Acad Vet Fr 41:251-8, Jun 68 (Fre)
[New developments in the Frenkel method. Results obtained] Durand M, et al.
Bull Off Int Epizoot 70:263-83, Mar-Apr 69 (Fre)
[Foot-and-mouth disease. Cell cultures on superposed plates] Willems R.
Bull Off Int Epizoot 70:813-7, May-Jun 69 (Fre)
[Plaque induction on Papio papio kidney cells by ECHO viruses] Mastroyanni-Korkolopoulo, et al.
Bull Soc Pathol Exot 63:535-9, Sep-Oct 70 (Fre)
[Virus production in the fibroblasts of chickens treated with deoxyribonucleic acid of rat XC cells transformed by Rous virus] Hill M, et al.
Diabetes 20:2004-7, Jul 71 (Fre)
[Virus sensitivity of cells cultured from normal or pathologic rabbit tissue] Chardonnet Y, et al.
Pathol Biol (Paris) 19:65-75, Jan 71 (Fre)
[Use of KB cells in the diagnosis of Newcastle disease and titration of the virus] Ramisse J, et al.
Rev Elev Med Vet Pays Trop 22:185-94, 1969 (Fre)
[Observations on virological work with swine thyroid cell-cultures] Liebermann H, et al.
Arch Exp Veterinaermed 24:550-69, 1970 (Ger)
[Experiments on the cultivation of hoof-and-mouth disease virus type A5 in shaker-flask suspension cultures and in combination with monolayer cultures in Roux flasks] Zwetkov P.
Arch Exp Veterinaermed 25:133-7, 1971 (Ger)
[Human susceptibility to Herpesvirus suis(Aujeszky-virus). 5. Multiplication of the virus in cultivated human cells] Jentzsch KD, et al.
Z Gesamte Hyg 16:960-6, Nov 70 (Ger)
[The influence of the medium osmolarity upon virus plaque formation in permanent cell cultures] Hövel H.
Zentralbl Bakteriol [Orig] 217:419-30, Aug 71 (Ger)
[Antigenic composition of the hamster cells transformed by polyoma virus] Fimiani V, et al.
Boll Soc Ital Biol Sper 46:909-12, 15 Nov 70 (Ita)
[Spontaneous maturation of viruses in cells transformed by polyoma virus. (Immunofluorescence studies)] Marconi P, et al.
Boll Soc Ital Biol Sper 46:906-8, 15 Nov 70 (Ita)
[On the production of SV40 in heterokaryons caused by fusion of sensitive cells with transformed cell exposed to UV irradiation] Monti-Bragadin C, et al.
Boll Soc Ital Biol Sper 46:565-9, 30 Jun 70 (Ita)
[The possibilities of using cell lines CaVe and CaOv for the cultivation of adenoviruses] Kolmykova VN, et al.
Lab Delo 11:676-9, 1970 (Rus)
[Methods of culturing Aujeszky's disease virus in a cellular suspension] Nochevnyí VT.
Veterinariia 10:44-7, Oct 70 (Rus)
[Cultivation of equine infectious anemia virus] Sadikov VE, et al. Veterinariia 7:43-5, Jul 70 (Rus)
[The effect of temperature during passage on the properties of attenuated foot and mouth disease

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

virus] Urvantsev NM, et al.
Veterinariia 1:37-9, Jan 71 (Rus)
[Sensitivity of different tissue cultures to mouse sarcoma virus (Maloney)] Kukafn RA, et al.
Vopr Onkol 16:31-7, 1970 (Rus)
[The associative interrelationships of Mycoplasma pneumoniae and respiratory-syncytial virus in cell cultures] Bafthomartov MS, et al.
Vopr Virusol 16:36-41, Jan-Feb 71 (Rus)
[Preparation and study of the biological properties of a "cold" variant of an ornithosis strain] Borisova SM, et al. Vopr Virusol 15:721-3, Nov-Dec 70 (Rus)
[Multiplication of Coxsackie group A viruses in diploid human embryo lung cells] Fokina GI, et al.
Vopr Virusol 15:346-50, May-Jun 70 (Rus)
[Chronic infection of a continuous line of pig embryo kidney cells from the RES line with a variant of influenza AO-WSN virus. II. Development of methods for reproduction and study of the basic parameters of chronic infection] Gavrilov VI, et al.
Vopr Virusol 15:646-51, Nov-Dec 70 (Rus)
[Chronic infection of the RES line of transplantable embryonic pig cells caused by a variant of influenza AO-WSN virus. 1. A variant of influenza WSN-RES-16 virus and culture RES-WSN "recovering" from chronic infection] Gavrilov VI, et al.
Vopr Virusol 15:605-10, Sep-Oct 70 (Rus)
[Chronic infection of transplantable RES cell cultures by Gheta arbovirus] Gavrilov VI, et al.
Vopr Virusol 15:270-4, May-Jun 70 (Rus)
[Study of virus cultures with regard to mycoplasma contamination and development of purification methods] Kikava EM.
Vopr Virusol 15:241-4, Mar-Apr 70 (Rus)
[Use of human thyroid gland cell cultures for virologic studies] Levina DS, et al.
Vopr Virusol 15:457-60, Jul-Aug 70 (Rus)
[Evaluation of the use of chick embryo and cell cultures for diagnosis of diseases caused by epidemic parotitis virus] Likhtorovich SA, et al.
Vopr Virusol 15:361-6, May-Jun 70 (Rus)
[Effect of incubation temperature on the development of specific lesions caused by smallpox virus] Marennikova SS, et al.
Vopr Virusol 15:239-40, Mar-Apr 70 (Rus)
[Factors determining the level of virus production. 2. The effect of conditions of cultivation on the production of several RNA-containing viruses] Novokhatskif AS, et al.
Vopr Virusol 15:663-7, Nov-Dec 70 (Rus)
[Factors determining the level of virus production. I. The effect of multiple infection on production of Venezuelan equine encephalomyelitis virus] Novokhatskii AS, et al.
Vopr Virusol 15:365-9, May-Jun 70 (Rus)
[The irreparability of damage caused by 1M hydroxylamine in lambda phage when submitted to passage in E. coli hcr+ and hcr- cells] Soffer VN.
Vopr Virusol 15:667-70, Nov-Dec 70 (Rus)
[Conditions for plaque formation by respiratory-syncytial virus in monolayer tissue cultures] Solovef MA, et al.
Vopr Virusol 15:693-9, Nov-Dec 70 (Rus)
[Chronic viral infection in transplantable cultures of human leukemia (J-96) and mouse fibroblast (L) cells, produced by inoculation of the cultures with Coxsackie B5 and vesicular stomatitis viruses in the presence of antisera to the infected cells] Sovetova GP, et al. Vopr Virusol 16:10-6, Jan-Feb 71 (Rus)
[Conditions for formation of small-plaque phenotypes of Chikungunya virus] Zasukhina GD, et al.
Vopr Virusol 16:56-61, Jan-Feb 71 (Rus)
[Chronic virus infection of cell cultures]
Vopr Virusol 16:125, Jan-Feb 71 (Rus)
[Sensitivity of the Ferran strain of swine kidney cells to infection by viruses] Gil-Fernández C.
Microbiol Esp 23:203-19, Jul-Sep 70 (Spa)
[Culture of Myc. tuberculosis in Sula's liquid culture media. Comparison of results with Lowenstein-Jensen's culture media] Rivera García E.
Rev Ecuat Hig Med Trop 26:107-13, May-Aug 69 (Spa)
[B influenza virus proliferation in bovine etal kidney cell cultures. Formation of incomplete virus] Ramos BA, et al.
Rev Lat Am Microbiol 12:123-30, Jul-Sep 70 (Spa)
[Plant viruses in tissue cultures] Zhuk IP, et al.
Mikrobiol Zh 31:548-53, Sep-Oct 69 (91 ref.) (Ukr)

INSTRUMENTATION

[Mechanization and automation of cell and virus cultivation] Mishin LN.
Vestn Akad Med Nauk SSSR 26:74-8, 1971 (Rus)

VETERINARY

Bovine herpesvirus IBR-IPV. The antibody virus neutralization reaction. House JA, et al.
Cornell Vet 61:320-35, Apr 71
[Multiplication kinetics and usefulness of a highly cytopathogenic VD-MD virus strain in diagnostic studies using the microtiter method)] Frey HR, et al.
Zentralbl Veterinaermed [B] 18:61-71, 1 Feb 71 (Ger)

VIRUS DISEASES (C1)

Craniofacial manifestations of virus-induced mongolism in the hamster and Down's syndrome in man. Baer PN, et al. Am J Orthod 60:221-34, Sep 71
Virology of middle ear. Gwaltney JM Jr.
Ann Otol Rhinol Laryngol 80:385-70, Jun 71
Capsular protection against virulent coliphage infection. Paynter MJ, et al.
Biotechnol Bioeng 12:341-8, May 70
Natural history of genital warts. Oriel JD.
Br J Vener Dis 47:1-13, Feb 71
On some present concepts regarding acute respiratory infection. Shapiro SL.
Eye Ear Nose Throat Mon 49:147-51, Mar 70
Acute viral meningo encephalitis. Athavale VB, et al.
Indian Pediatr 7:547-56, Oct 70
Giant condyloma of the penis. McCarron DL, et al.
J Urol 104:730-3, Nov 70
What causes whooping-cough? Gillespie EH.
Lancet 1:85, 9 Jan 71
Reflections on latent viruses--a new definition of an infectious agent. Hirschman SZ.
Mt Sinai J Med NY 38:257-66, Mar-Apr 71 (38 ref.)
Establishment of lymphoid cell lines in patients with common viral diseases. Paltrowitz IM, et al.
Mt Sinai J Med NY 38:284-92, May-Jun 71
Recurrent viral infection (reinfection). Chang TW.
N Engl J Med 284:765-73, 8 Apr 71 (109 ref.)
Does virus infection have evolutionary significance?
West DA. Nature (Lond) 229:637, 26 Feb 71
Condyloma acuminatum giganticum:
Buschke-Loewenstein tumour. Alfthan O, et al.
Scand J Urol Nephrol 4:71-7, 1970
Perianal condyloma. Turner GR, et al.
South Med J 63:1294-6, Nov 70
A new group of viruses in Jamaica. I. Initial studies.
Ventura AK. West Indian Med J 18:95-104, Jun 69
Slow infections of the central nervous system. I.
Thormar H. Z Neurol 199:1-23, 28 Apr 71
Slow infections of the central nervous system. II.
Thormar H. Z Neurol 199:151-66, 1971 (216 ref.)
[On the nosologic value of the topography and structuring of nervous lesions in comparative pathology. (Apropos of viroses in dogs and their relationship to certain human diseases considered to be viroses)] Liegeois F, et al.
Bull Acad R Med Belg 9:805-79, 1969 (Fre)
[Sex factors and resistance to poisons, viruses and bacteria in mammals] Bouley G, et al.
Bull Inst Nati Sante Rech Med 25:1249-62, Nov-Dec 70 (87 ref.) (Fre)
[Tropical viral zoonoses] Brès P, et al.
Bull Soc Pathol Exot 62:192-9, 1969 (Fre)
[Further contribution to the study of experimental syringomyelia and of slow viruses producing neurospongiosis] Guiraud P.
Encephale 60:124-35, Mar-Apr 71 (Fre)
[Giant condylomata acuminata: Buschke-Lowenstein disease] Thivolet J, et al.
Lyon Med 221:1027-8, 27 Apr 69 (Fre)
[The arenoviruses, a new group of viral agents of medical importance] Chastel C.
Med Trop (Mars) 30:801-8, Nov-Dec 70 (50 ref.) (Fre)
[Viral exanthema. Virologic research] Regnard J, et al.
Presse Med 78:2265-8, 28 Nov 70 (Fre)
[On high resolution autoradiographic study of the synthesis of the desoxyribonucleic acid of the densonucleosis virus] Kurstak E.
Rev Can Biol 29:207-11, Jun 70 (Fre)
[Appendicitis and viruses. Study of the etiologic role of viruses in inflammations of the appendix] Bornand JE. Rev Med Suisse Romande 90:641-82, Aug 70 (Fre)
[Virus infection in pregnancy] Haas R.
Arch Gynaekol 211:100-8, 4 Jun 71 (Ger)
[Reiter's disease, Behcet's syndrome] Martenet AC.
Ber Dtsch Ophthalmol Ges 70:306-11, 1970 (Ger)
[Viral anthropo-zoonoses] Habermehl KO.
Dtsch Med J 20:245-8, 20 Apr 69 (Ger)
[Current problems in virus research] Kunz C.
Wien Med Wochenschr 120:657-60, 26 Sep 70 (Ger)
[Slow virus diseases of the nervous system] Leibowitz U. Harefuah 78:452-4, 1 May 70 (Heb)
[Action of benzydamine on chickens infected by intranasal administration of avian infectious bronchitis virus. (Preliminary note)] Papparella V, et al. Acta Med Vet (Napoli) 16:107-12, Jan-Apr 70 (Ita)
[The tragic story of the discovery of the Lassa fever virus] Muggia A.
Minerva Med Suppl 26:16, Mar 70 (Ita)
[On the pathogenesis of viral exanthemas] Aiuti F, et al. Recent Progr Med (Roma) 48:398-418, May 70 (Ita)
[Recent acquisitions on the mechanism of the cellular damage in cytolytic virus infections] La Placa M. Recent Progr Med (Roma) 49:17-37, Jul 70 (51 ref.) (Ita)
[Center for the Study of Respiratory Viruses, Rome] Midulla M. Ric Sci 40:303-4, Jul-Aug 70 (Ita)
[Symposium. Clinical and basic studies on viral exanthema] Matsumoto M, et al.
J Jap Assoc Infect Dis 44:479-82, Dec 70 (Jap)
[Bibliography of infectious diseases in Japanese literature]
J Jap Assoc Infect Dis 44:304-8, Aug 70 (Jap)
[EB virus and diseases] Hinuma Y, et al.
Jap J Clin Med 29:1172-9, 1971 (65 ref.) (Jap)
[Concept of viral infections--from cell level to individual host level] Kono R.
Jap J Clin Med 29:1066-90, 1971 (21 ref.) (Jap)
[Progressive multifocal leukoencephalopathy]
Kuroiwa K, et al.
Jap J Clin Med 29:1107-12, 1971 (20 ref.) (Jap)
[Viral pericarditis and myocarditis] Takatsu T, et al.
Jap J Clin Med 29:1225-48, 1971 (185 ref.) (Jap)
[Clinical virology of rhinovirus] Kawana R, et al.
Naika 28:430-4, Sep 70 (Jap)
[Viral meningoencephalitis]
Tidsskr Nor Laegeforen 91:94-102, 20 Jan 71 (Nor)
[Inflammation and degeneration of the brain and slow latent viruses] Osetowska E.
Neuropatol Pol 9:1-12, 1971 (Pol)
[Acute respiratory syndromes caused by viruses and Rickettsia] Monaci V.
Resen Clin Ciant 36:233-40, Nov-Dec 67 (Por)
[Otorhinolaryngological findings in viral infections] Cajal N, et al.
Otorinolaringologie 16:81-94, Mar-Apr 71 (66 ref.) (Rum)
[Several aspects of viral embryonal and fetal diseases] Baltiev A, et al.
Rev Med Chir Soc Med Nat Iasi 75:9-18, Jan-Mar 71 (Rum)
[On the viral etiology of acute rheumatism. IX] Abraham A, et al.
Stud Cercet Inframicrobiol 21:281-90, 1970 (Rum)
[Some current problems in viral respiratory infections] Cajal N, et al.
Stud Cercet Inframicrobiol 22:19-32, 1971 (132 ref.) (Rum)
[Complications of tracheotomy in viral croup] Fiekser SIa. Pediatriia 49:39-43, Nov 70 (Rus)
[Group of subacute spongiform encephalopathies: slow central nervous system infections] Asher DL, et al.
Vestn Akad Med Nauk SSSR 25:73-80, 1970 (Rus)
[Phylogenetic relationships and transmission mechanism in the process of evolution of viruses] Gromashevskif LV, et al.
Vestn Akad Med Nauk SSSR 25:48-58, 1970 (Rus)
[Data on the study of the viral etiology of psoriasis] Pozdniakov OI.
Vestn Dermatol Venerol 45:39-43, Feb 71 (Rus)
[Experimental reproduction of infections caused by Mycoplasma pneumoniae and respiratory syncytial virus in suckling cotton rats] Bafthomartov MS, et al.
Vopr Virusol 15:460-7, Jul-Aug 70 (Rus)
[Anatomical and embryological data in epidemic viral parotiditis] Resinas Rodriguez-Rubio.
An Esp Odontoestomatol 29:330-55, Jul-Aug 70 (Spa)
[Viruses and cervical carcinoma] Grgurević M.
Lijec Vjesn 92:103-7, 1970 (Cro)

BLOOD

Erythrocyte osmotic fragility in Friend virus-infected mice. Parr IB, et al. Eur J Cancer 6:411-5, Oct 70
Cell growth regulating factors in viral infections and other diseases. Wahren B, et al.
Exp Cell Res 66:396-400, Jun 71
[Eosinophilic reaction in the course of a probably viral infection] Sulek K. Wiad Lek 24:555-7, 15 Mar 71 (Pol)
[Radiation sensitivity of human lymphocytes in vitro (under normal conditions and in viral infection)] Vasil'ev IS, et al.
Radiobiologiia 10:876-80, Sep-Oct 70 (Rus)

CLASSIFICATION

[Recent progresses and prospectives in medical virology] Terzin A. Med Pregl 24:39-49, 1971 (Ser)

COMPLICATIONS

Mixed viral and bacterial infections. Burch GE.
Am Heart J 82:276-7, Aug 71
Progressive multifocal leukoencephalopathy after renal transplantation. Demonstration of Papova-like virions. Manz HJ, et al. Ann Intern Med 75:77-81, Jul 71
Maternal virus infection and congenital anomalies. Brown GC. Arch Environ Health 21:362-5, Sep 70
Immunologic and viral factors in the pathogenesis of systemic lupus erythematosus. Talal N.
Arthritis Rheum 13:887-94, Nov-Dec 70
Carcinoma in situ associated with virus-containing anal warts. Oriel JD, et al. Br J Dermatol 84:71-3, Jan 71
The emergence of viruses as causes of chronic neurological diseases. Sever JL.
Bull Los Angeles Neurol Soc 36:55-7, Apr 71
Reye's syndrome. Possible causes and pathogenetic pathways. Bradford WD, et al.
Clin Pediatr (Phila) 10:148-53, Mar 71 (28 ref.)
Viral pathogenesis in macular disease. Vannas M, et al.
Eye Ear Nose Throat Mon 50:189-94, May 71
Virus infections and malformations. Sever JL.
Fed Proc 30:114-7, Jan-Feb 71
The effect of induced chronic viral infections on the immunologic diseases of New Zealand mice. Tonietti G, et al. J Exp Med 132:89-109, 1 Jul 70
Encephalopathy with fatty degeneration of the liver

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

(Reyes syndrome). Report of four cases in Maine. Hallett GW. J Maine Med Assoc 61:186-8, Sep 70
Dermatoglyphics and Reye's syndrome. Abraham JL. Lancet 1:969-70, 8 May 71
Infectious disease in the malnourished. Gordon JE, et al. Med Clin North Am 54:1495-508, Nov 70
Viruses and the kidney. Smith RD, et al. Med Clin North Am 55:89-106, Jan 71 (102 ref.)
Primary progressive multifocal leukoencephalopathy. A case report. Bolton CF, et al. Neurology (Minneap) 21:72-7, Jan 71
Studies of the sudden infant death syndrome in King County, Washington. II. Attempts to demonstrate evidence of viremia. Ray CG, et al. Pediatrics 48:79-82, Jul 71
Virus infections and the natural history of chronic obstructive lung disease. Klaer W, et al. Pneumonologie 142:1-6, 1970
The platelet aggregation test (PA) as an immunological method in virology. Penttinen K, et al. Progr Immunobiol Stand 4:672-5, 1970
A study of recurrent bronchitis in childhood. Gregg I. Respiration 27:Suppl:133-8, 1970
[Various aspects of virus encephalitis, specifically subacute sclerosing panencephalitis, and their relationships to electroencephalography] Notermans SL, et al. Maandschr Kindergeneeskd 38:193-205, Oct 70 (Dut)
[Viral infections and severe staphylococcal complications] Camphyn R, et al. Acta Tuberc Pneumol Belg 61:347-53, May-Aug 70 (Fre)
[Profuse condylomata acuminata in lymphocytic leukemia. Ultrastructural study] Thiers H, et al. Bull Soc Fr Dermatol Syphiligr 76:470-2, 1969 (Fre)
[Giant acuminate condyloma: Buschke-Lowenstein disease] Thivolet J, et al. Bull Soc Fr Dermatol Syphiligr 76:367-9, 1969 (Fre)
[Articular manifestations of certain virus diseases] Larget-Piet B. Cah Med 12:613-9, 30 May 71 (Fre)
[Spontaneous pneumothorax and respiratory virosis] Miguérès J, et al. J Fr Med Chir Thorac 24:715-27, Sep-Oct 70 (Fre)
[Role of viruses in otorhinolaryngological diseases] Portocala R, et al. Minerva Otorinolaringol 21:162-7, Jul-Aug 71 (Fre)
[The origin of virus neoplasms. An example for the changing of the infection concept] Falke D. Dtsch Med Wochenschr 96:1167-72, 2 Jul 71 (Ger)
[Virus induced diabetes mellitus in the white mouse] Müntefering H, et al. Dtsch Med Wochenschr 96:693-7, 16 Apr 71 (Ger)
[Virus induced breast carcinoma in humans?] Dtsch Med Wochenschr 96:567, 26 Mar 71 (Ger)
[Nerve complications in common virus diseases of childhood] Witzel K. Kinderaerztl Prax 37:31-9, Jan 69 (Ger)
[Studies on the form and frequency of complications in influenza and other virus-induced respiratory diseases] Ricken D, et al. Verh Dtsch Ges Inn Med 75:577-81, 1969 (Ger)
[Accumulated incidence of idiopathic vocal cord paralysis] Mair P. Wien Klin Wochenschr 83:217-9, 26 Mar 71 (Ger)
[Condylomata acuminata with transformation to carcinoma] Sonck CE. Z Haut Geschlechtskr 46:273-8, 15 Apr 71 (Ger)
[The problem of viral meningo-encephalitis in childhood] Fornara P. Minerva Pediatr 22:1946-81, 6 Oct 70 (Ita)
[Nephrotic disorders caused by virus] Kinoshita Y, et al. Jap J Clin Med 29:1143-51, 1971 (Jap)
[Nonspecific acute exanthematous diseases and virus infection] Watanabe T. Jap J Clin Med 29:1130-6, 1971 (42 ref.) (Jap)
[Current problems of viral neuroinfections] Prusiński A. Neurol Neurochir Pol 5:114-9, 1971 (36 ref.) (Pol)
[Neuroinfection as a cause of so-called sudden deafness] Myszkowski A, et al. Otolaryngol Pol 24:401-7, 1970 (Pol)
[Myocarditic component of some acute diseases in children] Minculescu M, et al. Pediatria (Bucur) 19:409-22, Sep-Oct 70 (Rum)
[Clinical and electroencephalographic aspects of acute encephalitis in children] Prişcu R, et al. Pediatria (Bucur) 19:391-401, Sep-Oct 70 (Rum)
[Laboratory studies of the etiology of ome viral encephalitides in children. Relation between measles and subacute sclerosing leukoencephalitis] Cajal N, et al. Stud Cercet Inframicrobiol 21:367-71, 1970 (Rum)
[Observation of children sustaining respiratory viral infection with nervous system involvement] Ladodo KS, et al. Vopr Okhr Materin Det 16:82, Feb 71 (Rus)
[The etiology of amyotrophic lateral sclerosis] Khondkarian OA. Zh Nevropatol Psikhiatr 71:161-3, 1971 (Rus)
[Viral deafness. Its prognosis and treatment] Bertrán C. Minerva Otorinolaringol 20:238-43, Nov-Dec 70 (Spa)
[Viral pathogenesis. Generalities on oncogenic and slow viruses. Their relation to various neurological diseases] Alvarez B. Salud Publica Mex 12:225-42, Mar-Apr 70 (133 ref.) (Spa)
[Viruses and other toxic factors in the aetiology of diabetes mellitus] Taylor KW, et al. Acta Diabetol Lat [Suppl] 7:Suppl 1:397+, Sep 70 (Mul)
[Etiological studies of the common cold in a military collective] Gerbec M, et al. Lijec Vjesn 92:993-1006, 1970 (Cro)

DIAGNOSIS

C-reactive protein in serum from infants as determined with immunodiffusion techniques. II. Infants with various infections. Saxstad J, et al. Acta Paediatr Scand 59:676-80, Nov 70
Haemaggiutination reaction in Indian childhood cirrhosis indicating viral aetiology. Ramakumar L, et al. Arch Dis Child 46:390-2, Jun 71
Neurological, electroencephalographic, and virological findings in febrile cheldren. Wallace SJ, et al. Arch Dis Child 45:611-23, Oct 70
Experience in a newly-established diagnostic virology laboratory: the first year. Jardine VE, et al. Guys Hosp Rep 119:119-34, 1970
Experience at the National Communicable Disease Center with micro serological techniques for the diagnosis of viral diseases. Casey HL. Health Lab Sci 7:233-6, Oct 70
The diagnostic microbiology of lung biopsy: correlation with viral serology. Hirschman SZ, et al. Mt Sinai J Med NY 38:273-80, May-Jun 71
The tragedy of viral diagnosis. Herrmann EC Jr. Postgrad Med J 46:545-50, Sep 70
The application of negative contrast electron microscopy to routine veterinary virus diagnosis. McFerran JB, et al. Res Vet Sci 12:253-7, May 71
[Practical data obtained from serodiagnosis] Lacut JY. Bord Med 4:1261-74, Apr 71 (Fre)
[Some cases of viral associations encountered in human samples] Lavergne E de. Bull Acad Natl Med (Paris) 153:151-6, 1969 (Fre)
[Etiology of so-called viral, human respiratory tract diseases] Paccaud MF. Rev Med Suisse Romande 91:347-60, May 71 (Fre)
[Febrile, cachectizing and icteric form of Hodgkin's disease or viral infection of undetermined etiology?] Roujeau J, et al. Sem Hop Paris 47:841-7, 14 Mar 71 (Fre)
[Clinical aspects and therapy of virus diseases of the oral cavity] Rohde B. Hautarzt 22:268-9, Jun 71 (Ger)
[General and practical aspects of virus diagnosis] Hahn EE. Praxis 59:531-5, 7 Apr 70 (Ger)
[Serological diagnosis of virus infections in mouse and rat colonies] Ohder H. Z Versuchstierkd 13:137-50, 1971 (Ger)
[Description of a micromethod for the application of the complement fixation reaction in viral serology] Antoniadis G. Zentralbl Bakteriol [Orig] 216:544-61, 1971 (Ger)
[The nitroblue tetrazolium test in the premature infant] Cocchi P, et al. Minerva Pediatr 23:185-7, 4 Feb 71 (Ita)
[Diagnosis of virus diseases] Fujii R. Jap J Clin Med 29:1091-5, 1971 (Jap)
[Infections--advances in diagnosis and therapy] Kitamoto O, et al. Naika 26:496-508, Sep 70 (Jap)
[Collection and handling of clinical specimens for virological studies] Flugsrud L. Tidsskr Nor Laegeforen 91:85-6, 20 Jan 71 (Nor)
[Diagnostic importance of the leukocyte alkaline phosphatase indices (LAPI) in infectious diseases with nasopharyngeal portal of entry] Pascariu C, et al. Microbiol Parazitol Epidemiol (Bucur) 16:175-80, Mar-Apr 71 (Rum)
[Human immunoglobulins and their role in infectious pathology (review)] Stefani DV. Zh Mikrobiol Epidemiol Immunobiol 48:128-31, 1971 (75 ref.) (Rus)
[Cytological diagnosis of female genital virosis] Méndez Gonzñez J, et al. Ginecol Obstet Mex 29:265-9, Mar 71 (Spa)

DRUG THERAPY

Success and failure in human virus diseases. 3. Chemotherapy. Stuart-Harris C. Br Med J 1:387-8, 13 Feb 71
Comments on: Rauscher viral leukemogenesis in BALB-c mice treated with rabbit antimouse thymocyte serum, by Benjamin V. Siegel and Jane I. Morton, Department of Pathology and Division of Immunology, University of Oregon Medical School, Portland, Oregon 97201. Hirsch MS. J Natl Cancer Inst 45:iii-iv, Aug 70
The successful treatment of intraurethral condyloma acuminata with colchicine. Gigax JH, et al. J Urol 105:809-11, Jun 71
Interferon. Lancet 1:588, 20 Mar 71
The future of antiviral chemotherapy. Lond Clin Med J 11:10-2, Jul 70
Rifampin inhibition of H-1 virus infection in hamsters. Engle CG, et al. Nature (Lond) 228:1190-1, 19 Dec 70
Chemotherapy of virus infections. Bauer DJ. Proc R Soc Med 64:544-6, May 71
Duration of resistance to viral infection following administration of interferon inducers. Schmidt JP, et al. Tex Rep Biol Med 29:133-40, Spring 71
Therapy of viral, mycoplasmal and rickettsial infections. Rytel MW, et al. Wis Med J 70:116-20, Apr 71 (25 ref.)
[Action of polyriboinosinic acid-polyribocytidylic acid bicatenary complex (poly I:C) on infection caused by various viruses in mice] Cherby J, et al. Ann Inst Pasteur (Paris) 119:756-60, Dec 70 (Fre)
[Treatment of ano-genital venereal papilloma by local applications of 5-fluorouracil pomades] Témime P. Bull Soc Fr Dermatol Syphiligr 77:521-2, 1970 (Fre)
[Action of a new drug, Ducton (Irs 139), on ocular viroses (preliminary note)] Belicard P. Bull Soc Ophtalmol Fr 69:843-4, Sep-Oct 69 (Fre)
[20-year experience with vitamin E in virus diseases] Jülich E. Arch Gynaekol 211:361-3, 4 Jun 71 (Ger)
[Treatment of virus diseases] Viveil O. Med Klin 65:1812-5, 16 Oct 70 (Ger)
[Chemotherapy and chemoprophylaxis of viral infectious diseases] Wecker E. Monatsschr Kinderheilkd 119:123-9, Mar 71 (Ger)
[The interferon system and its significance for virus disease therapy] Ho M. Verh Dtsch Ges Inn Med 75:612-8, 1969 (Ger)
[Chemotherapy of virus diseases] Munk K. Verh Dtsch Ges Inn Med 75:607-12, 1969 (Ger)
[Interferon (a virus inhibiting factor)--approach to prevention and treatment] Kishida T. Jap J Clin Med 29:1212-7, 1971 (19 ref.) (Jap)
[Chemotherapy of viral infections] Schoyen R. Tidsskr Nor Laegeforen 91:79-82, 20 Jan 71 (Nor)
[Modification of the pathology of intestinal infections in children] Gavriliă I, et al. Pediatria (Bucur) 20:231-42, May-Jun 71 (Rum)
[Comparative evaluatio of the antiviral activity of the antibiotic rubomycin-complex and its components B and C] Blumberg NA, et al. Antibiotiki 15:307-11, Apr 70 (Rus)
[Oxacillin of therapy non-gonorrheal inflammatory diseases of the urogenital organs] Lopatin AI. Antibiotiki 15:1128-30, Dec 70 (Rus)
[Antibiotic 6431-36 showing antiviral and antibacterial effect] Rudaia SM, et al. Antibiotiki 14:254-60, 1969 (Rus)
[The antiviral agent NPT 10,381. Clinical and biostatistical study] Ink J, et al. Prensa Med Argent 57:2050-64, Jan 71 (Spa)

EMBRYOLOGY

[Embryonal and fetal virus diseases] Töndury G. Arch Gynaekol 211:76-99, 4 Jun 71 (Ger)

ENZYMOLOGY

[Lysosomes in viral cell infection] La Placa M. G Clin Med 50:275-82, 4 Apr 69 (Ita)

ETIOLOGY

Mystery virus from Lassa. Pinneo L, et al. Am J Nurs 71:1352-5, Jul 71
Infectious complications after cardiac transplantation in man. Stinson EB, et al. Ann Intern Med 74:22-36, Jan 71
What is the current status of the viral zoonoses? Steele JH. Arch Environ Health 22:155-62, Jan 71 (18 ref.)
Demonstration of a virus-like agent contaminating material containing the Stockholm substrain of the Nichols pathogenic Treponema pallidum. Gudjónsson H, et al. Br J Vener Dis 46:435-40, Dec 70
Viruses and immunosuppressant drugs. Sirtori C. Br Med J 3:768-9, 26 Sep 70
Influence of blood clearance rates on interferon production and virulence of Mengo virus plaque mutants in mice. Campbell JB, et al. Can J Microbiol 16:821-6, Sep 70
Combined immunodeficiency and chronic encephalitis. Dayan AD. Lancet 1:1178-9, 5 Jun 71
Viral infections in multiple sclerosis patients on low-dose immunosuppression. A prospective study. Davis LE, et al. Neurology (Minneap) 21:765-8, Jul 71
Fetal infections of hamsters, rats, and mice induced with the minute virus of mice (MVM). Kilham L, et al. Teratology 4:43-61, Feb 71
[Pathogenesis of virus infection in the ENT region. A contribution on the problem of focal infection] Krasnig M. Monatsschr Ohrenheilkd Laryngorhinol 104:263-86, 1970 (Ger)
[Pathogenesis of virus diseases] Rott R. Pathol Microbiol (Basel) 36:206-19, 1970 (Ger)
[Infection mode of verrucae vulgares and condylomata acuminata] Schnellen B. Z Allgemeinmed 46:1744-5, 20 Dec 70 (Ger)
[Human diseases caused by bacterial, viral and helminth pollution of food products of plant and animal origin. Preventive measures] Cerruti CG. Ig Med 63:153-217, 1970 (Ita)
[Mononucleosis caused by cytomegalovirus] Nakao T. Jap J Clin Med 29:1096-101, 1971 (33 ref.) (Jap)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

FAMILIAL & GENETIC

Viruses in families. Fox JP, et al.
Lancet 1:1240-1, 12 Jun 71
Two families under the epidemiological microscope.
Lancet 1:791, 17 Apr 71

IMMUNOLOGY

Complement-fixing and virus-neutralizing antibodies in cytomegalovirus infection as measured against homologous and heterologous antigen. Andersen HK.
Acta Pathol Microbiol Scand [B] 78:504-8, 1970
Immunosuppression and experimental virus infection of the nervous system. Nathanson N, et al.
Adv Virus Res 16:397-448, 1970 (239 ref.)
Effect of virus infections on the function of the immune system. Notkins AL, et al.
Annu Rev Microbiol 24:525-38, 1970 (106 ref.)
Genesis of antinuclear antibody in NZB-W mice: role of genetic factors and of viral infections. Lambert PH, et al. Clin Exp Immunol 6:839-39, Jun 70
Biosynthesis in vitro of immunoglobulins by lymphoid cells of the peripheral blood in infectious diseases. Giunchi G, et al.
Folia Allergol (Roma) 17:538-47, Nov-Dec 70
Antibodies in CSF to certain non-enteroviral agents in viral infections of central nervous system. Agarwal SC, et al. Indian J Med Res 59:390-3, Mar 71
Immunoprophylaxis of viral infections in childhood. Ogra PL. Indian J Pediatr 37:376-94, Aug 70
Antibody to human cell lines with and without ultrastructural evidence for Epstein-Barr virus (EBV) infection in sera from patients with diverse viral illnesses. Beltran G, et al.
Int J Cancer 7:375-9, 15 May 71
Infectious virus-antibody complexes: interaction with anti-immunoglobulins, complement, and rheumatoid factor. Notkins AL.
J Exp Med 134:Suppl:41s-51s, 1 Sep 71
Immune complex disease in chronic viral infections. Oldstone MB, et al.
J Exp Med 134:Suppl:32s-40s, 1 Sep 71
Immune cell cooperation, viruses, and antibodies to nucleic acids in New Zealand mice. Talal N, et al.
J Exp Med 134:Suppl:52s-64s, 1 Sep 71
Virus-specific immunologic depression in mice following combined immunization and cyclophosphamide-induced immunosuppression. Weiner LP, et al. J Immunol 106:427-30, Feb 71
Temperature-sensitive mutants of respiratory syncytial virus: in-vivo studies in hamsters. Wright PF, et al. J Infect Dis 122:501-12, Dec 70
The detection of chronic infection by viruses by immunofluorescent assay of specific IgM antibody. Haire M, et al. J Med Microbiol 4:piv, May 71
Epstein-Barr virus antibody in systemic lupus erythematosus. Newell GR, et al.
Lancet 1:852, 27 Mar 71
Antiviral agents. Friedman RM.
Md State Med J 20:70-5, Apr 71
Hypogammaglobulinaemia in the United Kingdom. VII. The role of humoral antibodies in protection against and recovery from bacterial and virus infections in hypogammaglobulinaemia. MacCallum FO.
Med Res Counc Spec Rep Ser (Lond) 310:72-85, 1971
Viral antibodies in the Korekore Tribe of Northern Rhodesia. Ilman D, et al.
Trop Geogr Med 23:64-70, Mar 71
[Hypersensitivity to viruses, temperature and soluble proteins in Nicotiana Xanthi n.c. Appearance of new macromolecules at the repression of viral synthesis] Gianinazzi S, et al.
C R Acad Sci [D] (Paris) 270:2383-6, 11 May 70 (Fre)
[Demonstration of complement fixing antibodies against Marburg virus in 22 patients using a cell culture antigen] Slenczka W, et al.
Arch Gesamte Virusforsch 31:71-80, 1970 (Ger)
[New viewpoints on the problem of the origin and pathogenetic significance of inflammatory reaction in viral infections of the CNS. Immunofluorescence, morphological and virological studies on the model of experimental poliomyelitis] Simon J, et al.
Arch Psychiatr Nervenkr 213:301-36, 1970 (Ger)
[Virus infections during immunosuppressive therapy following organ transplantation] Munk K, et al.
Dtsch Med Wochenschr 95:2252-4, 30 Oct 70 (Ger)
[Persistent virus infections] Rössler R.
Internist (Berlin) 11:70-1, Feb 70 (Ger)
[Relation between viral infections and immunological response of the host. Aspects and perspectives in the field of immunopathology] Zanussi C.
Folia Allergol (Roma) 16:201-3, May-Jun 69 (Ita)
[Interferon] Cocchi P, et al.
Recent Progr Med (Roma) 48:428-45, May 70 (Ita)
[Viral infection in Indonesia--immuno-epidemiological studies] Hotta S.
J Jap Assoc Infect Dis 45:211-7, Jun 71 (39 ref.) (Jap)
[Virus diseases and cellular immunity] Ishida N.
Naika 26:413-9, Sep 70 (Jap)
[Mechanism of defense against virus infections] Lahelle O.
Tidsskr Nor Laegeforen 91:76-8, 20 Jan 71 (Nor)
[Non-specific factors influencing the development of viral infection] Larski Z.
Postepy Hig Med Dosw 25:325-46, May-Jun 71 (Pol)
[Determination of leukocytic interferon in respiratory diseases in children] Baramykova GP, et al.
Pediatriia 50:24-7, Jan 71 (Rus)
[Quantitative changes in immunoglobulins in young children with respiratory virus infections and pneumonia] Cheburkin AV, et al.
Pediatriia 50:38-43, Jun 71 (Rus)
[Chronic infection and antiviral cellular immunity] Solov'ev VD, et al.
Vestn Akad Med Nauk SSSR 25:20-31, 1970 (85 ref.) (Rus)
[The immunodepressive effect of DNA-containing viruses: papovavirus SV40 and human adenovirus type 16] Gamburg VP, et al.
Vopr Virusol 15:612-4, Sep-Oct 70 (Rus)
[Titration of antibodies to respiratory syncytial virus by the indirect fluorescent antibody technic] Sheinbergas M, et al.
Vopr Virusol 15:359-60, May-Jun 70 (Rus)
[Characteristics of anti-viral immunity] Kosiakov PN.
Zh Mikrobiol Epidemiol Immunobiol 48:11-4, Feb 71 (19 ref.) (Rus)

METABOLISM

Effect of H-1 virus infection on RNA synthesis in NB cells. Fong CK, et al.
Proc Soc Exp Biol Med 135:585-8, Dec 70

MICROBIOLOGY

A two-year respiratory virus survey in four villages in West Bengal, India. Kloene W, et al.
Am J Epidemiol 92:307-20, Nov 70
Viruses associated with acute respiratory infections in Royal Air Force personnel. Higgins PG, et al.
J Hyg (Camb) 68:647-54, Dec 70
Respiratory syncytial and other viruses associated with respiratory disease in infants. Jacobs JW, et al.
Lancet 1:871-6, 1 May 71
Laboratory diagnosis of viral diseases. Joseph JM.
Md State Med J 20:63-9, Apr 71
Postal surveillance of acute respiratory virus infections in general practice. Martin KW, et al.
Public Health 85:203-7, Jul 71
[Function of the virology laboratory in a hospital center for infectious pathology] Bornand JE.
Rev Med Suisse Romande 91:335-46, May 71 (Fre)
[Lassa virus]
Dtsch Med Wochenschr 95:2355, 13 Nov 70 (Ger)
[Tasks of virus diagnostics in internal medicine] Haas R. Verh Dtsch Ges Inn Med 75:572-7, 1969 (Ger)
[Viral pneumopathies in childhood] Molteni P.
Minerva Pediatr 21:817-29, 5 May 69 (Ita)
[Chronic virus infection of cell cultures]
Vopr Virusol 16:125, Jan-Feb 71 (Rus)

MORTALITY

[Effect of an anti-interferon serum on experimental viral pathogenicity in vivo] Fauconnier B.
Pathol Biol (Paris) 19:575-8, Jun-Jul 71 (Fre)

OCCURRENCE

Seroepidemiologic survey of coronavirus (strain OC 43) related infections in a children's population. Kaye HS, et al. Am J Epidemiol 94:43-9, Jul 71
Sero-epidemiological study of rat virus infection in a closed laboratory colony. Robinson GW, et al.
Am J Epidemiol 94:91-100, Jul 71
Virus infection in the Blackburn area 1962-69. Moss PD.
Arch Dis Child 45:817-8, Dec 70
Community-wide outbreak of infection with a 229E-like coronavirus in Tecumseh, Michigan. Cavallaro JJ, et al. J Infect Dis 122:272-9, Oct 70
Minute virus of mice. II. Prevalence, epidemiology, and occurrence as a contaminant of transplanted tumors. Parker JC, et al. J Natl Cancer Inst 45:305-10, Aug 70
Epidemiology of viral and mycoplasmal agents associated with childhood lower respiratory illness in a civilian population. Maletzky AJ, et al.
J Pediatr 78:407-14, Mar 71
[Problems of long-term epidemiological studies on acute respiratory virus diseases. II. Longitudinal study of ARD in working collectives of the North-Moravian Region] Heinz F, et al.
Cesk Epidemiol Mikrobiol Imunol 19:291-7, Nov 70 (Cze)
[Results of virological examinations performed in Belgium in 1965-1966-1967 (6 months)] Lamy ME, et al.
Brux Med 48:507-15, Aug 68 (Fre)
[Epidemiologic and virologic analysis of respiratory infections in GDR. 1st quarter 1970] Starke G, et al.
Dtsch Gesundheitsw 25:2040-3, 22 Oct 70 (Ger)
[Analysis of respiratory virus infection in GDR (2d quarter, 1970)] Starke G, et al.
Dtsch Gesundheitsw 25:2234-7, 19 Nov 70 (Ger)
[Meningitis] Martischnig E.
Wien Med Wochenschr 121:200-2, 13 Mar 71 (Ger)
[Epidemiology of chronic virus infections] Baroian OV, et al.
Vestn Akad Med Nauk SSSR 25:13-20, 1970 (36 ref.) (Rus)
[Viral pneumopathies. Introduction] Fornara P.
Minerva Pediatr 22:1324-6, 30 Jun 70 (Spa)
[The role of viruses in infections of the lower respiratory tract in children of Mexico City] Gutiérrez G, et al.
Minerva Pediatr 22:1330, 30 Jun 70 (Spa)

PATHOLOGY

Diabetes mellitus-like syndrome in mice infected with encephalomyocarditis virus. Craighead JE, et al.
Am J Pathol 63:119-34, Apr 71
Encephalomyocarditis infection of the newborn mouse myocardium. An electron microscopic study. Burch GE, et al. Arch Intern Med 127:148-56, Jan 71
Fibrinous laryngotracheobronchitis in children.
Szpunar J, et al. Arch Otolaryngol 93:173-8, Feb 71
Electron microscopic study on acute thymic involution induced by polyoma virus infection. Imamura M, et al.
J Natl Cancer Inst 47:289-99, Aug 71
[On the value of topography and structuring of nervous lesions in comparative anatomy. II. Apropos of lesions of the pregeniculate optic system, of spinal ganglions, roots and nerves in human and animal viroses] Van Bogaert L, et al.
Bull Acad R Med Belg 10:399-431, 1970 (Fre)
[The "Marburg-virus"-hepatitis. Studies in man and guinea pigs] Bechteisheimer H, et al.
Virchows Arch [Pathol Anat] 351:273-90, 1970 (Ger)
[Viral diseases of the exernal female genitalia. 4. Condylomata acuminata and verrucae vulgares] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:41-8, 15 Apr 70 (Ger)
[An unusual form of pneumo-enteric disease (sporadic or epidemic) of a possible viral nature] Zucca G.
Arch De Vecchi Anat Patol 55:279-301, Oct 69 (Ita)
[Pathomorphological characteristics of respiratory diseases in children] Maksimovich NA, et al.
Arkh Patol 32:23-9, 1970 (Rus)
[Morphology and morphogenesis of viral reticulosis in mice of the CC 57 BR line] Frank GA, et al.
Probl Gematol Pereliv Krovi 15:27-31, Jun 70 (Rus)

PHYSIOPATHOLOGY

Strain difference in sex ratio response of mice to lactate dehydrogenase virus infection. Crispens CG Jr, et al. Experientia 27:41-2, 15 Jan 71

PREVENTION & CONTROL

Recent advances in immunization against viral diseases. Stokes J Jr. Ann Intern Med 73:829-40, Nov 70
Effect of statolon on lactate dehydrogenase virus infection in mice. Crispens CG Jr.
Arch Gesamte Virusforsch 31:191-5, 1970
Some recent trends in vaccination against respiratory viruses. Tyrrell DA.
Br Med Bull 25:165-71, May 69 (67 ref.)
Success and failure in human virus disease. IV. Immunization. Stuart-Harris C.
Br Med J 1:446-8, 20 Feb 71 (23 ref.)
Combined virus vaccines. Br Med J 3:656-7, 18 Sep 71
Problems in developing a respiratory vaccine. Chang TW. N Engl J Med 283:1287, 3 Dec 70
Interferon stimulated by double stranded RNA. Merigan TC. Nature (Lond) 228:219-22, 17 Oct 70
Effectiveness of mumps virus given alone or in combination with live vaccines against measles and rubella. Nasibov MN, et al.
Progr Immunobiol Stand 4:676-82, 1970
Approaches to the control of viral infections in man. Stevens DA, et al. Ration Drug Ther 5:1-5, Sep 71
Transfer of interferon-producing macrophages: new approach to viral chemotherapy. Glasgow LA.
Science 170:854-6, 20 Nov 70
[Treatment of viral infections during immunosuppression] Fontaine J.
Laval Med 41:289-91, Feb 70 (Fre)
[Chemotherapy and chemoprophylaxis of viral infectious diseases] Wecker E.
Monatsschr Kinderheilkd 119:123-9, Mar 71 (Ger)
[Epidemiology and control of virus diseases under mass animal husbandry conditions] Mussgay M.
Pathol Microbiol (Basel) 36:325-37, 1970 (Ger)
[Eradication of virus diseases] Gsell O.
Verh Dtsch Ges Inn Med 75:594-607, 1969 (Ger)
[Interferon (a virus inhibiting factor)--approach to prevention and treatment] Kishida T.
Jap J Clin Med 29:1211-7, 1971 (19 ref.) (Jap)
[Virus vaccines]
Tidsskr Nor Laegeforen 91:140-6, 20 Jan 71 (Nor)
[Study of antiviral effect of chlorine-substituted benzoquinine and hydroquinine] Ratner LS, et al.
Farmakol Toksikol 34:80-3, 1971 (Rus)
[Inactivation of various groups of viruses by irradiation with a PRK-2 lamp] Zubareva LA.
Sov Zdravookhr Kirg 3:35-9, May-Jun 70 (Rus)
[The toxic effect of vesicular stomatitis virus on mouse peritoneal exudate phagocytes] Sollilova LV, et al.
Vopr Virusol 15:670-4, Nov-Dec 70 (Rus)
[Prolonged prophylactic action of gamma globulin and

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

albumin in some droplet infections] Shatrov II, et al. Zh Mikrobiol Epidemiol Immunobiol 47:74-6, Jul 70 (Rus)
[Immunity and prevention of viral diseases] Borgoño JM. Rev Med Chil 97:452-7, Jul 69 (Spa)

THERAPY

Condyloma acuminata. Talarico RD. Mod Treat 7:999-1001, Sep 70 (11 ref.)
[Biochemical and genetic principles demonstrated on the example of bacteriophages] Hofschneider PH. Verh Dtsch Ges Inn Med 75:538-9, 1969 (Ger)
[Infections--advances in diagnosis and therapy] Kitamoto O, et al. Naika 26:496-506, Sep 70 (Jap)

VETERINARY

Viral disease of goslings. 3. Isolation, properties and antigenic pattern of the virus strains. Derzsy D, et al. Acta Vet Acad Sci Hung 20:419-28, 1970
Avian infectious bronchitis. Cunningham CH. Adv Vet Sci Comp Med 14:105-48, 1970 (154 ref.)
Pathologic features of picornavirus infections in cats. Holzinger EA, et al. Am J Vet Res 31:1623-30, Sep 70
Gross and histopathologic changes of duck plague (duck virus enteritis). Leibovitz L. Am J Vet Res 32:275-90, Feb 71
Bluetongue in cattle: efficacy of the agar gel precipitin test. Metcalf HE, et al. Am J Vet Res 31:1743-9, Oct 70
Rhinoviruses: isolation from cattle with acute respiratory disease. Rosenquist BD. Am J Vet Res 32:685-8, May 71
Viral diseases of the respiratory tract of cats: isolation and properties of viruses tentatively classified as picornaviruses. Studdert MJ, et al. Am J Vet Res 31:1723-32, Oct 70
Active immunization of White Pekin ducks against Duck virus enteritis (duck plague) with modified-live-virus vaccine: serologic and immunologic response of breeder ducks. Toth TE. Am J Vet Res 32:75-81, Jan 71
Experimental encephalomyocarditis virus infection in calves. Spradbrow PB, et al. Aust Vet J 46:373-7, Aug 70
Pathogenesis of oviduct lesions in immature chickens following exposure to infectious bronchitis virus at one day old. Crinion RA, et al. Avian Dis 15:32-41, Jan-Mar 71
Abnormalities in laying chickens following exposure to infectious bronchitis virus at one day old. Crinion RA, et al. Avian Dis 15:42-8, Jan-Mar 71
Virological investigations of chickens with spontaneous autoimmune thyroiditis. I. Isolation and transmission studies. Flanagan TD, et al. Avian Dis 14:613-6, Nov 70
Immunizing characteristics of a tissue-culture-origin modified live-virus ocular vaccine for infectious laryngotracheitis. Marty EW, et al. Avian Dis 15:277-83, Apr-Jun 71
A comparison of radiographic lesions in pelvic limbs of chickens infected with Mycoplasma gallisepticum, Mycoplasma synoviae, or an arthritis-producing virus. Olson NO, et al. Avian Dis 14:654-64, Nov 70
The development of a vaccine against avian infectious laryngotracheitis. IV. Immunization of chickens with a modified laryngotracheitis vaccine in the drinking water. Samberg Y, et al. Avian Dis 15:413-7, Apr-Jun 71
Isolation of a highly pathogenic virus from geese with hepatitis. Schettler CH. Avian Dis 15:323-5, Apr-Jun 71
Immunologic and serologic response of White Pekin ducklings inoculated with single and combined duck virus hepatitis and duck virus enteritis modified-live-virus vaccines. Toth TE. Avian Dis 14:697-705, Nov 70
Characteristics of an isolate of infectious bronchitis virus from chickens in Florida. Winterfield RW, et al. Avian Dis 15:305-11, Apr-Jun 71
Virological investigations of chickens with spontaneous autoimmune thyroiditis. II. Examination of tissues by electron microscopy. Zeigel RF, et al. Avian Dis 14:617-9, Nov 70
Studies on bovine virus diarrhea: serum neutralization, complement-fixation and immunofluorescence. Ruckerbauer GM, et al. Can J Comp Med 35:230-8, Jul 71
Purification, morphology and partial characterization of a reovirus-like agent associated with neonatal calf diarrhea. Welch AB. Can J Comp Med 35:195-202, Jul 71
Virological examination of bovine mammary lymph nodes. Woods GT, et al. Can J Comp Med 34:354-5, Oct 70
The detection of virus particles by cell culture and electron microscopic studies of a case of bovine lymphosarcoma. Estes PC, et al. Cornell Vet 60:640-54, Oct 70
The fluorescent antibody test as a diagnostic test for canine distemper in naturally infected dogs. Fairchild GA, et al. Cornell Vet 61:214-23, Apr 71
Feline viruses. X. Characterization of a newly-isolated picornavirus causing interstitial pneumonia and ulcerative stomatitis in the domestic cat. Kahn DE, et al. Cornell Vet 60:669-83, Oct 70
Virus induced urolithiasis in male cats. Rich LJ, et al. Cornell Vet 61:542-53, Jul 71
Hydranencephaly of calves associated with natural bluetongue virus infection. Richards WP, et al. Cornell Vet 61:336-48, Apr 71
Experimental infection of pregnant sheep with bovine viral diarrhea-mucosa disease virus. Ward GM. Cornell Vet 61:179-91, Jan 71
Bovine viral diarrhea-mucosal disease implicated in a calf with cerebellar hypoplasia and ocular disease. A case report. Ward GM. Cornell Vet 61:224-8, Apr 71
Comments on epidemiologic aspects of feline leukemia virus. Brodey RS. J Am Vet Med Assoc 158:Suppl 2:1123+, 15 Mar 71 (13 ref.)
Virologic and immunologic aspects of feline picornaviruses. Bürki F. J Am Vet Med Assoc 158:Suppl 2:916-9, 15 Mar 71 (42 ref.)
Comments on treatment of feline leukemia. Chirigos MA. J Am Vet Med Assoc 158:Suppl 2:1137, 15 Mar 71
Comments on cerebellar ataxia and its congenital transmission in cats by feline panleukopenia virus. De Lahunta A. J Am Vet Med Assoc 158:Suppl 2:901-6, 15 Mar 71
Comments on electron microscopy of feline leukemia and sarcoma viruses. Dougherty E 3d. J Am Vet Med Assoc 158:Suppl 2:1116+, 15 Mar 71
Microbial studies of feline urolithiasis. Fabricant CG, et al. J Am Vet Med Assoc 158:Suppl 2:976+, 15 Mar 71
Feline sarcoma virus tumor induction in cats and dogs. Gardner MB, et al. J Am Vet Med Assoc 158:Suppl 2:1046+, 15 Mar 71
Immunodiffusion studies of feline leukemia and sarcoma. Hardy WD Jr. J Am Vet Med Assoc 158:Suppl 2:1060+, 15 Mar 71
Feline infectious peritonitis: experimental studies. Hardy WD Jr, et al. J Am Vet Med Assoc 158:Suppl 2:994+, 15 Mar 71
Epidemiologic implications of feline leukemia virus. Heath CW Jr. J Am Vet Med Assoc 158:Suppl 2:1119+, 15 Mar 71 (9 ref.)
Virology and host range of feline leukemia virus. Jarrett O. J Am Vet Med Assoc 158:Suppl 2:1032+, 15 Mar 71
Cerebellar ataxia and its congenital transmission in cats by feline panleukopenia virus. Kilham L, et al. J Am Vet Med Assoc 158:Suppl 2:888+, 15 Mar 71
Electron microscopic detection of viruses in feline lymphosarcoma. Laird HM, et al. J Am Vet Med Assoc 158:Suppl 2:1109+, 15 Mar 71 (23 ref.)
Experimental production of urolithiasis in male cats. Rich LJ, et al. J Am Vet Med Assoc 158:Suppl 2:974-6, 15 Mar 71
A complement-fixation test for detection of viral antigens and infective virus of feline leukemia and sarcoma. Sarma PS, et al. J Am Vet Med Assoc 158:Suppl 2:1055+, 15 Mar 71
Comments on epidemiologic implications of feline leukemia virus. Schneider R. J Am Vet Med Assoc 158:Suppl 2:1125+, 15 Mar 71
Continuing studies with transmissible feline fibrosarcoma virus in fetal and newborn sheep. Theilen GH. J Am Vet Med Assoc 158:Suppl 2:1040+, 15 Mar 71
Malignant catarrhal fever in white-tailed deer. Wyand DS, et al. J Am Vet Med Assoc 159:605-10, Sep 71
Differential diagnosis of virus infections of the bovine teat skin by electron microscopy. Gibbs EP, et al. J Comp Pathol 80:455-63, Jul 70
Fluorescent antibody technique in the study of three porcine viruses. Transmissible gastroenteritis virus, vomiting and wasting disease virus and the parvovirus 59E-63. Lucas MH, et al. J Comp Pathol 81:111-7, Jan 71
A survey of feline viral rhinotracheitis and feline picornavirus infection in Britain. Povey RC, et al. J Small Anim Pract 12:233-47, Apr 71
Observations on the epidemiology and control of viral respiratory disease in cats. Povey RC, et al. J Small Anim Pract 11:485-94, Jul 70
Ibaraki virus, an agent of epizootic disease of cattle resembling bluetongue. IV. Physicochemical and serological properties of the virus. Inaba Y, et al. Jap J Microbiol 14:351-60, Sep 70
Contamination of simian viruses in African green monkeys (Cercopithecus aethiops). Yamane Y, et al. Kitasato Arch Exp Med 42:27-40, Jun 69
An evaluation of the mouse antibody production test for detecting three murine viruses. Lewis VJ, et al. Lab Anim Sci 21:203-5, Apr 71
An outbreak of bovine viral diarrhoea-mucosal disease. Horner GW, et al. NZ Vet J 18:171-3, Aug 70
The ocular lesions of bovine viral diarrhea-mucosal disease. Bistner SI, et al. Pathol Vet 7:275-86, 1970
Food metabolizability in normal and bluecomb diseased turkeys. Duke GE, et al. Poult Sci 49:1037-42, Jul 70
Further studies on neonatal calf diarrhea virus. Mebus CA, et al. Proc US Anim Health Assoc 73:97-9, 1969
The laboratory diagnosis of bovine virus diarrhea by fluorescent antibody. Smithies LK, et al. Proc US Anim Health Assoc 73:539-50, 1969
Status of duck virus enteritis (duck plague) in the United States. Walker JW, et al. Proc US Anim Health Assoc 73:254-79, 1969
The application of negative contrast electron microscopy to routine veterinary virus diagnosis. McFerran JB, et al. Res Vet Sci 12:253-7, May 71
The differential diagnosis of viral skin infections of the bovine teat. Gibbs EP, et al. Vet Rec 87:902-9, 14 Nov 70
[Trial application of the gel immuno-diffusion method to the experimental diagnosis of bovine mucosal disease] Charton A, et al. Bull Acad Vet Fr 43:403-8, Nov 70 (Fre)
[Study by immuno-diffusion of several antigenic properties of bovine mucosal disease virus strains isolated in France] Faye P, et al. Bull Acad Vet Fr 43:409-13, Nov 70 (Fre)
[Study of a virus isolated from bee larvae with European foul-brood] Giauffret A, et al. Bull Acad Vet Fr 42:801-7, Oct 69 (Fre)
[Observations on nasal muco-antibodies in cattle] Provost A. Rev Elev Med Vet Pays Trop 23:283-93, 1970 (Fre)
[Mixed infections of avian adenovirus and the virus of infectious bronchitis] Schmidt U, et al. Arch Exp Veterinaermed 24:587-607, 1970 (Ger)
[Comparative study on the spread of Gumboro disease in commercial and breeding poultry flocks using the chick-embryo test] Lüthgen W. Dtsch Tieraerztl Wochenschr 77:61-3, 1 Feb 70 (Ger)
[Viral diseases of the genital organs in bulls used for artificial insemination and their control by vaccination] Meszáros I. Dtsch Tieraerztl Wochenschr 78:103-6, 15 Feb 71 (Ger)
[The role of grain-mould-beetle Alphitobius diaperinus in spreading of infectious bronchitis in chickens] Stuke P, et al. Dtsch Tieraerztl Wochenschr 77:28-41, 15 Jan 70 (Ger)
[Interferon (induction, characteristics, localization, action and significance)] Jentzsch KD. Monatsh Vet Med 25:835-40, 1 Nov 70 (Ger)
[Epidemiology and control of virus diseases under mass animal husbandry conditions] Munagy M. Pathol Microbiol (Basel) 36:325-37, 1970 (Ger)
[Preventive inoculation in large-scale cattle raising] Bürki F. Wien Tieraerztl Monatsschr 58:112-8, Mar 71 (Ger)
[On the pathogenesis of feline picornavirus infection] Pichler L, et al. Wien Tieraerztl Monatsschr 57:246-9, Jun-Jul 70 (Ger)
[Occurrence of Mycoplasma species in viral rhinitis in the cat] Schneck G. Wien Tieraerztl Monatsschr 57:105-6, 1970 (Ger)
[Pathogenesis of viral diarrhea and mucosal disease in cattle, using a heterotypic immunofluorescence technic] Rohde G, et al. Zentralbl Veterinaermed [B] 17:686-700, Jun 70 (Ger)
[Enzymatic studies of avian infectious bronchitis. Behavior of some enzymes (GOT, GPT, aldolase, LDH, FAc, FAl, LAP and SDH) in the amino-allantoid fluids of normal and infected embryonated eggs] Compagnucci M, et al. Acta Med Vet (Napoli) 16:161-73, May-Aug 70 (Ita)
[Biochemical research on avian infectious bronchitis. Behavior of cholesterol, urea and uric acid in the amnio-allantoid fluids of normal and infected embryonated eggs] Compagnucci M, et al. Acta Med Vet (Napoli) 16:293-301, May-Aug 70 (Ita)
[On the demonstration of hemagglutinin of the virus of avian infectious bronchitis] Martone F, et al. Acta Med Vet (Napoli) 16:175-81, May-Aug 70 (Ita)
[Etiopathogenesis and epizoology of infectious avian bronchitis] Papparella V. Acta Med Vet (Napoli) 15:57-72, Jan-Apr 69 (103 ref.) (Ita)
[Preliminary study on the diagnosis of avian infectious bronchitis by fluorescent antibody technic] Bito Y, et al. Jap J Vet Sci 33:61-7, Apr 71 (Jap)
[Immunogenic properties of vaccines prepared from viruses grown in tissue culture] Airapetian VG, et al. Veterinariia 9:42-4, Sep 70 (Rus)
[Mixed infections of chickenpox and infectious laryngotracheitis] Starovoitov NS, et al. Veterinariia 1:106-9, Jan 71 (Rus)
[Detection of polyoma virus in mouse colonies] Irlin IS, et al. Vopr Onkol 16:92-3, 1970 (Rus)
[Serological examinations of some species of wild and domestic birds for prevalence of infectious and oncogenic avian viruses] Voronin ES, et al. Vopr Virusol 15:213-7, Mar-Apr 70 (Rus)
[Unknown viral disease transmitted from infected monkeys to man] Todorović K, et al. Glas Srp Akad Nauka [Med] 22:91-101, 1969 (Ser)
[The effect of a virus isolated from swine ill with infectious atrophic rhinitis, on the tissues of the nasal cavity of piglets] Volynets AK. Mikrobiol Zh 32:396-8, May-Jun 70 (Ukr)

VIRUS INHIBITORS (D12)

Physico-chemical and antigenic properties of some nonspecific inhibitory substances of arbovirus haemagglutination. Duca M, et al. Acta Virol (Praha) 15:250, May 71
The use of rivanol treatment for removal from arbovirus antisera of nonspecific inhibitors of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

haemagglutination. Grešíková M, et al.
Acta Virol (Praha) 14:312-3, Jul 70
Comparison of methods for removal of nonspecific inhibitors of arbovirus hemagglutination. Monath TP, et al. Appl Microbiol 20:748-53, Nov 70
Inhibitory action of "HO" factor from normal horse serum on poliovirus multiplication in tissue cultures. Crainic R, et al.
Arch Roum Pathol Exp Microbiol 28:167-76, Mar 69
The effect of mithramycin on the multiplication of myxoviruses. Scholtissek C, et al.
J Gen Virol 8:11-9, Jul 70
An antiviral substance in the tissues of mice acutely infected with lymphocytic choriomeningitis virus. Veltri RW, et al. J Gen Virol 10:17-27, Jan 71
Enzymes produced by a Pseudomonas species which inactivate inhibitors of certain viral hemagglutinins. II. Effect of a proteinase and phospholipase C on viral hemagglutinin inhibitors present in human sera. Schmidt NJ, et al. J Immunol 106:1615-23, Jun 71
[Inhibitors of viruses of the leukemia and murine sarcoma group. Biological inhibitor CJMR] Raynaud M, et al.
C R Acad Sci [D] (Paris) 272:2038-40, 14 Apr 71 (Fre)
[On strain-specificity of serum inhibitors. Comparative serological investigations on the influenza virus strains A2-Berlin-2-68 and A2-Hong Kong-1-68] Antoniadis G, et al.
Zentralbl Bakteriol [Orig] 214:186-97, 1970 (Ger)
[The effect of various analogs and derivatives of orotic acid on plaque formation by pseudorabies virus] Pancheva-Golovinskaia S, et al.
Vopr Virusol 15:354-6, May-Jun 70 (Rus)
[Effect of culture liquid of some yeasts on potato X-virus in tobacco plants] Kovalenko AG.
Mikrobiol Zh 31:519-24, Sep-Oct 69 (Ukr)

ANALYSIS

Radioimmunoelectrophoretic identification of poliovirus inhibitors and their characteristic mode of action. Urasawa S, et al.
Arch Gesamte Virusforsch 33:113-25, 1971
"Non-specific" inhibitors in normal animal sera against polioviruses. Meher-Homji VK, et al.
Indian J Med Sci 25:231-5, Apr 71

BIOSYNTHESIS

Induction of an interferon-like inhibitor by Trypanosoma cruzi infection in mice. Rytel MW, et al.
Am J Trop Med Hyg 19:929-31, Nov 70
Reovirus type 2: induction of viral resistance and interferon production in fathead minnow cells. Ole HK, et al. Proc Soc Exp Biol Med 136:369-73, Feb 71

PHARMACODYNAMICS

Inactivation of influenza and Newcastle disease viruses by oxidized spermine. Bachrach U, et al.
Isr J Med Sci 6:435-7, May-Jun 70
[The behavior of genetically purified influenza A2 strains in cell cultures] Gerth HJ.
Zentralbl Bakteriol [Orig] 215:26-37, 1970 (Ger)
[After effects of interferon] Ershov FI, et al.
Antibiotiki 15:832-6, Sep 70 (Rus)
[Presence of an inhibitor factor of Junin virus in the brain of the normal adult rat] Garay RP, et al.
Medicina (B Aires) Suppl 1:67-76, Sep 70 (Spa)
[Plaque formation by poliomyelitis virus (str. LSc 2 ab) on monolayers of AMK and Dt-6 cells] Opol'akif AF.
Mikrobiol Zh 31:879-80, Nov-Dec 69 (Ukr)
[Effect of extracts from leaves of the Lenkoran acacia, tuberose and tree-of heaven on some viruses in chick embryo and tissue culture] Tul'chinskaia VP, et al.
Mikrobiol Zh 31:510-4, Sep-Oct 69 (Ukr)

THERAPEUTIC USE

[Action of polyriboinosinic acid-polyribocytidylic acid bicatenary complex (poly I:C) on infection caused by various viruses in mice] Cherby J, et al.
Ann Inst Pasteur (Paris) 119:756-60, Dec 70 (Fre)

VIRUS REPLICATION (G1)

Reproduction of herpes simplex virus in myxovirus-infected cell cultures. Szántó J, et al.
Acta Virol (Praha) 15:47-57, Jan 71
Replication of infectious bovine rhinotracheitis virus in calf kidney cells studied by immuno- and acridine orange-fluorescence. Zaffa J, et al.
Acta Virol (Praha) 14:459-66, Nov 70
The role of lysosomes in the pathogenesis of experimental viral hepatitis. Sabesin SM.
Am J Gastroenterol 55:539-43, Jun 71
Factors affecting susceptibility of primary cultures of bovine kidney cells to infection with foot-and-mouth disease virus. Patty RE.
Am J Vet Res 32:719-25, May 71
Methods of virus formation. Sauer G.
Angew Chem [Engl] 9:663-9, Sep 70
The biochemistry of RNA bacteriophage replication. Stavis RL, et al.
Annu Rev Biochem 39:527-60, 1970 (385 ref.)
Potential of kidney cell cultures from nonhibernating thirteen-lined ground squirrels (Citellus tridecemlineatus) for virus propagation. Cashon GW, et al. Appl Microbiol 20:593-7, Oct 70
Growth of chikungunya virus in baby hamster kidney cell (BHK-21-clone 13) suspension cultures. Davis JL, et al. Appl Microbiol 21:338-41, Feb 71
Replication of Venezuelan equine encephalomyelitis virus in vitro. II. Viral growth response to selected nutritional additives in suspension cultures. Hearn HJ, et al. Appl Microbiol 21:342-5, Feb 71
Adaptation and propagation of avian infectious bronchitis virus in embryonic turkey kidney cell cultures. Coria MF, et al. Avian Dis 15:22-7, Jan-Mar 71
Protein synthesis and formation of Chikungunya virus in infected BHK21 cells. Igarashi A.
Biken J 13:289-302, Dec 70
Effects of the host-cell repair system on bacteriophage reproduction. Soyfer VN, et al.
Biochem Biophys Res Commun 41:1396-405, 24 Dec 70
Replication of viral nucleic acids. I. Enzyme-RNA complexes involved in the synthesis of Q-beta RNA. Hori K. Biochim Biophys Acta 217:394-407, 15 Oct 70
The mechanism of Q replication: sequence at the 5' terminus of a 6-S RNA template. Kacian DL, et al. Biochim Biophys Acta 238:212-23, 13 May 71
The effect of input multiplicity on the course of the reproductive cycle of adenovirus type 10. Weinraub H. Bull Acad Pol Sci [Biol] 17:27-32, 1969
Morphological studies on Herpesvirus saimiri in subhuman and human cell cultures. Heine U, et al.
Cancer Res 31:1019-29, Jul 71
Ultrastructural and quantitative studies of mammary tumor virus production in cultured mouse mammary tumor cells. Kramarsky B, et al.
Cancer Res 30:1102-8, Apr 70
Stimulation of mammary tumor virus production in a mouse mammary tumor cell line. Lasfargues EY, et al.
Cancer Res 30:1109-17, Apr 70
Production of active phage from B. subtilis cultures. Northrop JH. Enzymologia 40:161-2, 31 Mar 71
Replication of the single stranded DNA bacteriophage M 13. Intracellular flow of parental DNA and transfer to progeny particles. Wirtz A, et al.
Eur J Biochem 17:141-50, Nov 70
Studies on the infectivity and cytopathology of Epstein-Barr virus in human lymphoblastoid cells. Durr FE, et al. Int J Cancer 6:436-49, 15 Nov 70
Cellular DNA synthesis in productive infection with adenoviruses. Takahashi M, et al.
Int J Cancer 6:399-409, 15 Nov 70
Studies on the loss of growth inhibition in cells infected with Rous sarcoma virus. Weiss R.
Int J Cancer 6:333-45, 15 Nov 70
Comparative aspects of Poliovirus replication. Levintow L, et al. J Cell Physiol 76:265-71, Dec 70
Bacteriophage replication in Hyphomicrobium. Voelz H, et al. J Child Psychol Psychiatry 12:322-30, Jun 71
The multiplication of lettuce necrotic yellows virus. Wolanski BS, et al.
J Child Psychol Psychiatry 12:582-91, Jun 71
Restriction of herpes simplex virus by macrophages. An analysis of the cell-virus interaction. Stevens JG, et al. J Exp Med 133:19-38, 1 Jan 71
Studies of the enhancement of an adenovirus-associated virus by herpes simplex virus. Blacklow NR, et al. J Gen Virol 10:29-36, Jan 71
Sendai virus replication: an ultrastructural comparison of productive and abortive infections in avian cells. Darlington RW, et al. J Gen Virol 9:169-77, Dec 70
Propagation and cytopathogenicity of arboviruses in mouse embryo cell culture. David-West TS.
J Gen Virol 10:173-80, Feb 71
Dissociation between cell conversion induced by mouse sarcoma virus and production of infectious virus. Guillemain B, et al. J Gen Virol 10:91-3, Jan 71
Virus multiplication in organ cultures of human embryo small intestine. Stenhouse AC.
J Gen Virol 8:235-9, Sep 70
Replication of Venezuelan equine encephalomyelitis virus in suspension cell cultures grown in serum-free and defined media. Tribble HR Jr, et al.
J Gen Virol 10:231-6, Mar 71
Radiological studies on the chronological relation between murine sarcoma virus infection and cell cycle. Yoshikura H. J Gen Virol 8:113-20, Aug 70
The effect of transplanted lymphoid cells, irradiation, and drug therapy on permanent immunologic tolerance. Larsen JH. J Immunol 107:185-94, Jul 71
Experimental respiratory syncytial virus infection of adults. Possible mechanisms of resistance to infection and illness. Mills J 5th, et al.
J Immunol 107:123-30, Jul 71
Replication of a nuclear polyhedrosis virus in an established insect cell line. Goodwin RH, et al.
J Invertebr Pathol 16:284-8, Sep 70
Replication of insect viruses in bacterial hosts. Heimpel AM. J Invertebr Pathol 16:301-4, Sep 70
DNA replication in SV40 infected cells. I. Analysis of replicating SV40 DNA. Levine AJ, et al.
J Mol Biol 50:549-68, 14 Jun 70
Replication of bacteriophage M13. 3. Identification of the intracellular single-straned DNA. Ray DS, et al.
J Mol Biol 43:845-7, 14 Aug 69
Replication of bacteriophage M13. II. The role of replicative forms in single-strand synthesis. Ray DS.
J Mol Biol 43:631-43, 14 Aug 69
Coupling of late transcription to viral replication in bacteriophage T4 development. Riva S, et al.
J Mol Biol 54:85-102, 28 Nov 70
Contribution of the bacterial recombination function to replication of bacteriophage P2. Yamagami H, et al.
J Mol Biol 53:281-5, 28 Oct 70
Propagation of Herpesvirus saimiri in human cells. Ablashi DV, et al. J Natl Cancer Inst 47:241-4, Jul 71
Replication of herpes simplex virus in cultures of phytohemagglutinin-stimulated human lymphocytes. Bouroncle BA, et al.
J Natl Cancer Inst 44:1065-78, May 70
Development of nononcogenic SA7-adenovirus 2 populations that immunize against SA7-transformed cells. Kaplan PM, et al.
J Natl Cancer Inst 46:565-76, Mar 71
Replication of mammary tumor virus in tumor cell cultures: dependence on hormone-induced cellular organization. McGrath CM.
J Natl Cancer Inst 47:455-67, Aug 71
Further studies on the replication of Marek's disease virus in the chicken and in cell culture. Nazerian K.
J Natl Cancer Inst 47:207-17, Jul 71
Plaque formation by Yaba virus in cynomolgus monkey kidney cells. Tsuchiya Y, et al.
J Natl Cancer Inst 47:219-22, Jul 71
Multiplication of polyoma virus in mouse-hamster somatic hybrids: a hybrid cell line which produces viral particles containing predominantly host deoxyribonucleic acid. Basilico C, et al.
J Virol 7:302-12, Jun 71
Temperature-sensitive simian virus 40 mutant defective in a late function. Kit S, et al.
J Virol 6:286-94, Sep 70
Identification of the simian virus 40 which replicates when simian virus 40-transformed human cells are fused with simian virus 40-transformed mouse cells or superinfected with simian virus 40 deoxyribonucleic acid. Kit S, et al. J Virol 6:69-77, Jul 70
Control of the replication complex of bacteriophage P22. Levine M, et al. J Virol 6:400-5, Oct 70
Effect of mengovirus replication on choline metabolism and membrane formation in novikoff hepatoma cells. Plagemann PG, et al.
J Virol 6:800-12, Dec 70
Inhibition of Poxvirus replication by streptovaricin. Quintrell NA, et al. J Virol 6:485-91, Oct 70
Effects of elevated temperatures on mengovirus ribonucleic acid synthesis and virus production in Novikoff rat hepatoma cells. Shea MA, et al.
J Virol 7:144-54, Jan 71
Compartmentalization of pseudorabies virus and subvirion components in BHK-21 cells and in the extracellular fluid. Sydiskis RJ. J Virol 6:280-5, Sep 70
Restricted replication of frog virus 3 in selected variants of BHK cells. Vilaginès R, et al.
J Virol 6:303-6, Sep 70
Action of interferon: kinetics and differential effects on viral functions. Yamazaki S, et al.
J Virol 6:421-9, Oct 70
Replication of bacteriophages in Escherichia coli mutants thermosensitive in DNA synthesis. Lanka E, et al. Mol Gen Genet 106:274-85, 1970
Reversal of information flow in the growth of RNA tumor viruses. Baltimore D.
N Engl J Med 284:273-5, 4 Feb 71
Replication of murine and feline RNA-containing C-type viruses in human lymphoblastoid cells. Hampar B, et al. Nature (Lond) 228:857-8, 28 Nov 70
Very early replication of scrapie in lymphocytic tissue. Mould DL, et al. Nature (Lond) 228:779-80, 21 Nov 70
Possible mechanism for transition of viral RNA from polysome to replication complex. Kolakofsky D, et al.
Nature [New Biol] 231:42-6, 12 May 71
In vitro repression of RNA synthesis by purified lambda phage repressor. Steinberg RA, et al.
Nature [New Biol] 230:76-80, 17 Mar 71
Strategy of Qbeta phage replication.
Nature [New Biol] 231:33, 12 May 71
Replication of influenza A virus in suspensions of Ehrlich ascites tumor cells kept in vitro. Results obtained by the fluorescent antibody technique. Haller O. Pathol Microbiol (Basel) 36:1-26, 1970
Identity of the 5'-terminal RNA nucleotide sequence of the satellite tobacco necrosis virus and its helper virus: possible role of the 5'-terminus in the recognition by virus-specific RNA replicase. Lesnaw JA, et al. Proc Natl Acad Sci USA 66:140-5, May 70
Multiplication of human enteroviruses in northern quahogs. Chang PW, et al.
Proc Soc Exp Biol Med 136:1380-4, Apr 71
An explanation for increased interferon production at low multiplicities of infection. Goorha RM, et al.
Proc Soc Exp Biol Med 135:91-3, Oct 70
Effects of cell fusion on production of the mouse mammary tumor virus--immunofluorescence study. Lasfargues EY, et al.
Proc Soc Exp Biol Med 136:777-81, Mar 71
Studies of replication of four selected viruses in two

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cell lines derived from salmonid fish. Nims L, et al. Proc Soc Exp Biol Med 135:6-12, Oct 70
Replication and functions of myxovirus ribonucleic acids. Kingsbury DW. Progr Med Virol 12:49-77, 1970 (120 ref.)
Multiplication of scrapie agent in cell culture. Clarke MC, et al. Res Vet Sci 11:500-1, Sep 70
Multiplication of scrapie agent in mouse spleen. Clarke MC, et al. Res Vet Sci 12:195-7, Mar 71
RNA synthesis in polyoma virus-infected mouse embryo cells in tissue culture. Bowen JM, et al. Tex Rep Biol Med 28:519-29, Winter 70
Replication of tobacco mosaic virus. II. The in vitro synthesis of high molecular weight virus-specific RNAs. Bradley DW, et al. Virology 45:192-9, Jul 71
Inactivation of avian sarcoma viruses with UV light: a difference between helper-dependent and helper-independent strains. Friis RR. Virology 43:521-3, Feb 71
Studies on the reproductive and cell-converting abilities of avian sarcoma viruses. Graf T, et al. Virology 43:427-41, Feb 71
Viruses and renal carcinoma of Rana pipiens. IX. The influence of temperature and host cell on replication of frog polyhedral cytoplasmic deoxyribovirus (PCDV). Gravell M, et al. Virology 41:596-602, Aug 70
Replication of tobacco mosaic virus. I. Isolation and characterization of double-stranded forms of ribonucleic-acid. Jackson AO, et al. Virology 45:182-91, Jul 71
On the genesis of incomplete Sendai virions. Kingsbury DW, et al. Virology 42:872-9, Dec 70
Studies of the early events of the replicative cycle of three variants of Mengo encephalomyelitis virus in mouse fibroblast cells. Mak TW, et al. Virology 42:1087-96, Dec 70
Biochemical studies on adenovirus multiplication. 18. Resolution of early virus-specific RNA species in Ad 2 infected and transformed cells. Parsons JT, et al. Virology 45:154-62, Jul 71
Intracellular structures involved in Sendai virus replication. Robinson WS. Virology 43:90-100, Jan 71
Replication of vesicular stomatitis virus. I. Viral specific RNA and nucleoprotein in infected L cells. Schincariol AL, et al. Virology 42:732-43, Nov 70
Transformation of green monkey kidney cells by SV40 genome: the establishment of transformed cell lines and the replication of human adenoviruses and SV40 in transformed cells. Shiroki K, et al. Virology 45:163-71, Jul 71
Multiplication of bacteriophage P4 in the absence of replication of the DNA of its helper. Six EW, et al. Virology 43:8-15, Jan 71
Requirement of cellular synthesis for Kilham rat virus replication. Tennant RW, et al. Virology 42:1054-63, Dec 70
Persistence of Rous sarcoma virus in transformed nonpermissive cells: relationship between virus induction by association with permissive cells and gs antigen content of transformed cells. Vigier P, et al. Virology 45:309-12, Jul 71
Multiplication of adenovirus in heterokaryocytes produced by fusion of infected permissive and nonpermissive cells. Weber J, et al. Virology 42:540-3, Oct 70
Bacteriophage formation in disrupted cell preparations. Weinstein BI, et al. Virology 43:185-97, Jan 71
[Common sequences between RNA from oncogenic viruses and cellular DNA] Harel J, et al. Bull Cancer (Paris) 57:283-300, Jul-Sep 70 (Fre)
[Kinetics of multiplication of the turnip yellow mosaic virus studied in cells isolated from infected cabbage-leaves] Albouy J, et al. C R Acad Sci [D] (Paris) 272:2119-22, 19 Apr 71 (Fre)
[Effects of various ribonucleic acids (RNA) on the activity of deoxyribonucleic acid polymerase (DNA-polymerase) associated with an oncogenic ribovirus] Beaudreau GS, et al. C R Acad Sci [D] (Paris) 271:1728-31, 9 Nov 70 (Fre)
[Thermal transfer and recrudescence of synthesis of tobacco mosaic virus in the Nicotiana tabacum var. Samsun] Cabanne F, et al. C R Acad Sci [D] (Paris) 271:1599-602, 28 Oct 70 (Fre)
[Action of frog virus 3 (FV3) on the synthesis of RNA by Sindbis virus] Guir J, et al. C R Acad Sci [D] (Paris) 272:1177-80, 22 Feb 71 (Fre)
[Selection of mutants of lambda bacteriophage incapable of replicating] Rambach A, et al. C R Acad Sci [D] (Paris) 272:149-52, 4 Jan 71 (Fre)
[Mouse mammary tumor virus (MTV). Experimental study of the structure of the extracellular stages. General interpretation of the viral cycle] Thomas JA, et al. C R Acad Sci [D] (Paris) 270:2387-90, 11 May 70 (Fre)
[Replication of fixed rabies virus in cellular suspension] Tsiang H, et al. C R Acad Sci [D] (Paris) 272:897-900, 8 Feb 71 (Fre)
[Mechanism of replication of T4 bacteriophage] Vigier PR, et al. C R Acad Sci [D] (Paris) 272:2634-7, 17 May 71 (Fre)
[Relations between RNA molecular structure and their induction power on interferon] Falcoff E, et al. Pathol Biol (Paris) 18:1021-2, Nov 70 (Fre)
[Microscope photometry on Feulgen-stained permanent monkey heart cells during measles virus propagation] Seeber C, et al. Acta Histochem (Jena) 38:113-20, 1970 (Ger)
[Studies on the proliferation of respiratory syncytial virus by the cell adsorption reaction] Usunova A. Arch Exp Veterinaermed 24:227-30, 1970 (Ger)
[Studies of the multiplication of influenza viruses] Rott R. Med Klin 65:1809-12, 16 Oct 70 (Ger)
[Virus and DNA replication. Studies in bacteriophage X174] Knippers R. Naturwissenschaften 58:284-93, Jun 71 (57 ref.) (Ger)
[Electron microscopic study of the multiplication of the filamentous Escherichia coli phage M 13] Mach F. Z Allg Mikrobiol 10:321-8, 1970 (Ger)
[Studies of the course of protein synthesis during the early phase of virus reproduction] Diefenthal W, et al. Zentralbl Bakteriol [Orig] 204:55-79, 1967 (Ger)
[On the production of SV40 in heterokaryons caused by fusion of sensitive cells with transformed cell exposed to UV irradiation] Monti-Bragadin C, et al. Boll Soc Ital Biol Sper 46:585-9, 30 Jun 70 (Ita)
[Multiplication of mumps virus in organotypical cultures of monkey testes] Bigazzi PL, et al. Progr Immunobiol Stand 4:650-6, 1970 (Ita)
[Independence of interferon production from virus replication in the cell] Sakaoka H, et al. Med Biol (Tokyo) 82:1-6, 10 Jan 71 (Jap)
[Susceptibility of selected cell systems to ECHO viruses as tested by virus replication and cytological changes] Wofniak M. Med Dosw Mikrobiol 22:269-75, 1970 (Pol)
[Interaction of virus and cell genomes and its consequences: oncogenesis, variability of viruses and viral immunity] Mekler LB. Biofizika 14:202-6, Jan-Feb 69 (Rus)
[A virologic study of embryonal guinea pig and golden hamster cells infected by Rous virus (Karr-Zilber and Schmidt-Rupin strains)] Martirosian DM, et al. Biull Eksp Biol Med 65:73-6, Apr 68 (Rus)
[Features of DNA synthesis and the mitotic regime of a culture of RES cells (clone 1), infected by vaccinia virus] Zhdanov VM, et al. Biull Eksp Biol Med 63:100-3, Nov 67 (Rus)
[Some properties of the replicative form of mouse encephalomyocarditis virus RNA] Agol VI, et al. Dokl Akad Nauk SSSR 189:428-31, 11 Nov 69 (Rus)
[Synthesis of arbovirus infectious RNP on subcellular structures] Ershov FI, et al. Dokl Akad Nauk SSSR 189:647-50, Nov 69 (Rus)
[Replicative complex of the Venezuelan equine encephalomyelitis virus] Zhdanov VM, et al. Dokl Akad Nauk SSSR 189:1382-4, 21 Dec 69 (Rus)
[Characteristics of template syntheses in myxoviruses] Zhdanov VM. Izv Akad Nauk SSSR [Biol] 5:702-13, Sep-Oct 67 (Rus)
[Study of herpes simplex virus replication in gamma-irradiated cultures of human cells] Andonov P, et al. Radiobiologiia 11:224-9, Mar-Apr 71 (Rus)
[Replication complexes of some RNA viruses] Zhdanov VM. Vestn Akad Med Nauk SSSR 26:3-13, 1971 (Rus)
[Synthesis of infectious arbovirus ribonucleoprotein in subcellular structures] Ershov FI, et al. Vopr Virusol 15:322-30, May-Jun 70 (Rus)
[Rauscher virus and its effect on RNA synthesis in the spleen cells of line BALB-c mice] Kiselev FI, et al. Vopr Virusol 15:589-96, Sep-Oct 70 (Rus)
[Study of reproduction of the virus of hemorrhagic nephroso-nephritis--hemorrhagic fever with renal syndrome in tissue cultures using the fluorescent antibody technic] Noskov FS, et al. Vopr Virusol 15:225-31, Mar-Apr 70 (Rus)
[Ret40-marker of fixed rabies virus] Selimov MA, et al. Vopr Virusol 15:161-5, Mar-Apr 70 (Rus)
[Characteristics of viral RNA isolated from the polyribosomes of infected cells] Zhdanov VM, et al. Vopr Virusol 15:467-73, Jul-Aug 70 (Rus)
[Virus-like particles formed in vivo and in vitro] Zhdanov VM, et al. Vopr Virusol 15:537-43, Sep-Oct 70 (Rus)
[Coxsackie B-1 virus reproduction during a blockade of glycolysis in the infected cells] Fedechko IM. Mikrobiol Zh 31:387-91, Jul-Sep 69 (Ukr)
[Dependence of the S-marker poliomyelitis virus (strain LSc 2ab) on the strain of the tissue culture] Opol'skif AF. Mikrobiol Zh 31:536-7, Sep-Oct 69 (Ukr)
[Adaptation of some nuclear polyhedrose viruses to Galleria mellonella L. larvae] Primachenko LV. Mikrobiol Zh 31:502-9, Sep-Oct 69 (Ukr)

DRUG EFFECTS

Influence of anti-leucocyte serum on intraperitoneal vaccinia virus infection of rats. Jandásek L. Acta Virol (Praha) 14:467-73, Nov 70
Effect of poly I:C on parainfluenza 3 virus multiplication in WISH cells. Korbecki M, et al. Acta Virol (Praha) 15:175, Mar 71
Effect of heparin on reproduction of, and interferon production and interference by, Newcastle disease virus in chick embryo cell cultures. Mentkevich LM, et al. Acta Virol (Praha) 15:233-6, May 71
Inhibition of virus multiplication by some derivatives of pyridine- and pyrazinecarboxylic acid. Rada B, et al. Acta Virol (Praha) 15:326-8, Jul 71
Inhibition of virus multiplication by selected isothiocyanates. Rada B, et al. Acta Virol (Praha) 15:329-32, Jul 71
Effects of phenylalanine analogues on virus multiplication and protein synthesis in a cell-free system. Veckenstedt A, et al. Acta Virol (Praha) 15:192-8, May 71
Effects of hydroxyurea on replication of infectious bovine rhinotracheitis virus. Jasty V, et al. Am J Vet Res 31:1943-9, Nov 70
Inhibition by fifampin of mycobacteriophage D29 replication in its drug-resistant host, Mycobacterium smergmatis ATCC 607. Jones WD Jr, et al. Am Rev Resp Dis 103:618-24, May 71
Immunofluorescent studies on the effect of antiviral substances on virus multiplication. II. Determination of fluorescence intensity in Mengo virus infected L cells treated with beta-2-DL-thienylalanine. Augsten K, et al. Arch Gesamte Virusforsch 33:41-8, 1971
The inhibition of variola minor virus multiplication by rifampicin. Pennington TH. Arch Gesamte Virusforsch 31:281-92, 1970
Immunofluorescent studies on the effect of antiviral substances on virus multiplication. 3. Effect of actidione on the multiplication of Mengo virus. Veckenstedt A, et al. Arch Gesamte Virusforsch 33:49-60, 1971
Inhibition of adenovirus replication by canavanine. Neurath AR, et al. Biochem Biophys Res Commun 41:1509-17, 24 Dec 70
Inhibition of adsorption and replication of the RNA-phage MS-2 in Escherichia coli C 3000 by levallorphan. Raab C, et al. Biochem Biophys Res Commun 41:1429-36, 24 Dec 70
Reversible inhibition of RNA phage replication and macromolecular synthesis by levorphanol. Simon EJ, et al. Biochem Biophys Res Commun 40:1134-41, 10 Sep 70
Influence of sensitization with bacterial antigens on the replication of Friend spleen focus-forming virus. Flickinger JT, et al. Can J Microbiol 17:481-6, Apr 71
Activation of virus production by DMSO in C. albicans experimentally infected with polyoma-DNA. Kovács E. Experientia 26:1396-7, 15 Dec 70
Effect of Neocarzinostatin on the cultured Burkitt lymphoma cells, with particular reference to the enhancement of production of Epstein-Barr virus. Sairenji T, et al. Gann 61:451-60, Oct 70
Effect of 2-(alpha-hydroxybenzyl) benzimidazole (HBB) 5-iodo-2'-deoxyuridine (IUD) and actinomycin D on replication of strains of bovine enterovirus. Nath N, et al. Indian Vet J 48:1-5, Jan 71
Interference with cell viability and poliovirus multiplication by polyinosinic--polycytidylic acid. Flikke M, et al. J Gen Virol 9:111-7, Nov 70
Effect of interferon on the replication of Sendai virus. Richman DD, et al. J Gen Virol 9:141-50, Nov 70
The effect of mithramycin on the multiplication of myxoviruses. Scholtissek C, et al. J Gen Virol 8:11-9, Jul 70
Inhibition of T4 bacteriophage multiplication by superinfecting ghosts and the development of tolerance after bacteriophage infection. Duckworth DH. J Virol 7:8-14, Jan 71
Effect of phleomycin on polyoma virus synthesis in mouse embryo cells. Iwata A, et al. J Virol 7:29-40, Jan 71
Virus interference by cellular double-stranded ribonucleic acid. Kimball PC, et al. J Virol 7:697-706, Jun 71
Effect of rifampicin on poxvirus protein synthesis. Tan KB, et al. J Virol 6:326-32, Sep 70
Inhibition of viral multiplication by chemically methylated DNA from the host cells. Beck G, et al. Nature (Lond) 228:850-60, 28 Nov 70
Infection of tumour cells by fowl plague virus in the presence of actinomycin D. Mallucci L, et al. Nature [New Biol] 232:179-81, 11 Aug 71
Sensitivity of adenovirus types 1, 3, 4, 5, 8, 11, and 18 to human interferon. Gallagher JG, et al. Proc Soc Exp Biol Med 136:920-4, Mar 71
Chloroquine mediated alterations in mammalian cell metabolism and viral replication. Lancz GJ, et al. Proc Soc Exp Biol Med 136:1289-93, Apr 71
In vitro sensitivity of measles virus to 6-azauridine. Leonard LL, et al. Proc Soc Exp Biol Med 136:857-62, Mar 71
Actinomycin D and influenza virus multiplication in the chick embryo fibroblast. Gregoriades A. Virology 42:995-16, Dec 70
[Testing the antiviral properties of several compounds on the reproduction of the influenza virus using the immunofluorescent method] Manolova N, et al. Izv Mikrobiol Inst (Sofiia) 20:283-8, 1969 (Bul)
[Action of actinomycin D on cell conversion induced by the murine sarcoma virus, Moloney isolate] Godard C, et al. C R Acad Sci [D] (Paris) 272:2289-72, 26 Apr 71 (Fre)
[Effects of arginine deficiency on the replication of vaccinial virus] Obert G, et al. C R Acad Sci [D] (Paris) 272:1705-8, 22 Mar 71 (Fre)
[Antiviral effect of the ammonium ion on the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

reproduction of viruses of the Myxogroup in cell cultures] Gagov I.
Arch Exp Veterinaermed 24:219-25, 1970 (Ger)
[Effect of various antibiotics on the replication of bacteriophages of group CAM (cereus anthracis mycoides)] Toschkov A, et al.
Arch Exp Veterinaermed 24:213-7, 1970 (Ger)
[Influence of specific antibodies or of interferon on virus replication in the mouse brain] Hofmann H.
Wien Klin Wochenschr 82:883-4, 4 Dec 70 (Ger)
[Stimulation of the poliomyelitisvirus reproduction in cell cultures by polymyxin B. I] Hässelbarth A.
Zentralbl Bakteriol [Orig] 215:143-52, 1970 (Ger)
[Action of guanidine on protein synthesis induced with poliovirus I] Maxia L, et al.
Boll Soc Ital Biol Sper 45:759-61, 15 Jun 69 (Ita)
[The effect of cornin on viral replication and DNA synthesis in mammalian cells] Chikata Y.
J Physiol Soc Jap 32:803-12, Dec 70 (Jap)
[Studies on the effect of guanidine hydrochloride on influenza viruses. 3. Replication of influenza viruses] Denys A. Med Dosw Mikrobiol 23:39-44, 1971 (Pol)
[Effect of rifampicin on the reproduction of DNA containing viruses in tissue culture cells] Goncharskaia TIa, et al.
Antibiotiki 16:295-8, 1971 (Rus)
[Effect of 5-bromouridine on the reproduction of vaccinia virus] Galegov GA, et al.
Biokhimiia 35:470-6, May-Jun 70 (Rus)
[Injurious effect of 6-azauridine on the multiplication of human cytomegalovirus] Demidova SA, et al.
Dokl Akad Nauk SSSR 186:709-10, May 69 (Rus)
[Some aspects of the interaction of chemical mutagens with reproducing populations of RNA-containing viruses] Germanov AB, et al.
Vestn Akad Med Nauk SSSR 26:69-74, 1971 (Rus)
[The inhibiting effect of 2-N-acetylaminocyclohexene-2-one and its derivatives on influenza A virus reproduction in tissue culture] Galegov GA, et al.
Vopr Virusol 15:689-93, Nov-Dec 70 (Rus)
[Stimulation of Gheta and O'Nyong-Nyong virus reproduction by L-glutamine and low concentrations of 5-brom-2-deoxyuridine] Leont'eva NA, et al.
Vopr Virusol 15:452-6, Jul-Aug 70 (Rus)
[The influence of guanidine on Chikungunya virus multiplication] Zasukhina GD, et al.
Vopr Virusol 15:735-6, Nov-Dec 70 (Rus)

RADIATION EFFECTS

Effect of gamma-rays on infectivity and capacity for nuclear-associated and cytoplasmic DNA replication of FV 3 in chick embryo fibroblasts. Aubertin AM, et al. Radiat Res 44:178-86, Oct 70
[Electron microscopy study of the 1st stages of infection of monkey kidney cells (Rhesus resus) by SV40 virus irradiated by ultraviolet or gamma rays] Ferreira-Salgado MA.
Bull Cancer (Paris) 55:399-412, Jul-Sep 68 (Fre)

VIRUSES (B4)

see also related
DNA, VIRAL (D10)
INCLUSION BODIES, VIRAL (G1)
RNA, VIRAL (D10)

Mechanical sterilization of the applanation tonometer. 2. Viral study. Corboy JM, et al.
Am J Ophthalmol 71:891-3, Apr 71
Effects of 20 years' storage on lyophilized cultures of bacteria, molds, viruses, and yeasts. Rhoades HE.
Am J Vet Res 31:1867-70, Oct 70
Virus-induced chromosome abnormalities. Nichols WW. Annu Rev Microbiol 24:479-500, 1970 (64 ref.)
Leber's optic atrophy: a possible example of vertical transmission of a slow virus in man. Wallace DC.
Australas Ann Med 19:259-62, Aug 70
Virus-like particles in abnormal cells of Saccharomyces carlsbergensis. Volkoff O, et al.
Can J Genet Cytol 12:621-6, Sep 70
Cell fusion and virus rescue. Koprowski H.
Fed Proc 30:914-20, May-Jun 71
Erythrocytic factors and viral haemagglutination. Chaturvedi UC, et al.
Indian J Med Res 58:1217-25, Sep 70
Control of caterpillars on tomatoes with chemicals and pathogens. Creighton CS, et al.
J Econ Entomol 64:737-9, Jun 71
Virus-genetic theory testing by data processing machines. I. Basic procedures and models tested. Barricelli NA, et al. J Theor Biol 32:559-80, Sep 71
Viruses and genetics. Robertson MG.
JAMA 217:1105, 23 Aug 71
Viruses and chromosomes. Sitch HF, et al.
Progr Med Virol 12:78-127, 1970 (170 ref.)
Tolerance to allogeneous grafts induced by viral antigens. Păunescu E, et al.
Rev Roum Physiol 7:259-66, 1970
Viral genetic systems. Baltimore D.
Trans NY Acad Sci 33:327-32, Mar 71
A pathogen of the malaria parasite. Davies EE, et al.
Trans R Soc Trop Med Hyg 65:13-4, 1971
The lethal effect of relative humidity on air-borne bacteria and viruses. Sale CS.
Va Med Mon 98:19-24, Jan 71
[Virus sensitivity of cells cultured from normal or pathologic rabbit tissue] Chardonnet Y, et al.
Pathol Biol (Paris) 19:65-75, Jan 71 (Fre)
[Determination of the shape of viral particles in by means of serial sections] Donelli G, et al.
Ann Ist Super Sanita 6:88-93, 1970 (Ita)
[Human diseases caused by bacterial, viral and helminth pollution of food products of plant and animal origin. Preventive measures] Cerruti CG.
Ig Mod 63:153-217, 1970 (Ita)
[Virus structure--mechanism of infection] Lahelle O.
Tidsskr Nor Laegeforen 91:73-6, 20 Jan 71 (Nor)
[Mechanisms of the virus-antibody interaction] Crainic R.
Stud Cercet Inframicrobiol 21:323-44, 1970 (106 ref.) (Rum)
[The biologic nature of viruses] Smorodintsev AA, et al. Usp Sovrem Biol 69:206-19, Mar-Apr 70 (Rus)
[Latent virus of C57BL-6J mice heterogenizing the skin] Liozner AL, et al.
Vopr Virusol 16:215-21, Mar-Apr 71 (Rus)
[Role of various routes of transmission of causative agents in the spread of respiratory infections (literature review)] Trifonov VI.
Zh Mikrobiol Epidemiol Immunobiol 48:118-23, Mar 71 (38 ref.) (Rus)
[Viruses] Valenzue'a EG.
ADM 24:465-92, Sep-Oct 67 (Spa)
[Viral agents in lupus erythematosus] Alarcón Segovia D. Rev Invest Clin 23:69-76, Jan-Mar 71 (37 ref.) (Spa)
[Viral pathogenesis. Generalities on oncogenic and slow viruses. Their relation to various neurological diseases] Alvarez B.
Salud Publica Mex 12:225-42, Mar-Apr 70 (133 ref.) (Spa)

ANALYSIS

Comparison of various methods for preparation of viral serological antigens from infected cell cultures. Schmidt NJ, et al. Appl Microbiol 21:217-26, Feb 71
[Structure of viruses] Huraux JM.
Presse Med 79:173-83, 27 Jan 71 (Fre)

CLASSIFICATION

Animal reference virus recommendations.
Am J Vet Res 31:1915-28, Nov 70 (125 ref.)
Some implications of a morphologically oriented classification of viruses. Almeida JD, et al.
Arch Gesamte Virusforsch 32:66-72, 1970
[Human viruses] Haukenes G.
Tidsskr Nor Laegeforen 91:82-4, 20 Jan 71 (Nor)
[Recent progresses and prospectives in medical virology] Terzin A. Med Pregl 24:39-49, 1971 (Ser)

DRUG EFFECTS

Antiviral comparisons of statolon and polyinosinic-polycytidylic acid. Mayer GD, et al.
Antimicrob Agents Chemother 9:182-6, 1969
In vitro antiviral activity of calcium elenolate. Renis HE. Antimicrob Agents Chemother 9:167-72, 1969
Antimicrobial action of acetylsalicylic acid. II. Further studies. Jones DL.
J Am Osteopath Assoc 70:1116-8, Jun 71
[Comparative study of the action of propylene glycol and dimethylsulfoxide on various "virus-host" systems] German A, et al.
Ann Pharm Fr 29:225-30, Apr 71 (Fre)
[1st results of the study of ethylene diamine oxobornane sulfonate in virology] German A, et al.
Therapeutique 47:269-76, Mar 71 (Fre)
[Varying effectiveness of beta-propiolacton in sterilization of esterase-active and esterase-inactive serum and plasma] Stephan W, et al.
Zentralbl Bakteriol [Orig] 215:381-5, 1970 (Ger)
[Some properties of the product of streptomycin benzoylation] Lazareva EN, et al.
Antibiotiki 15:727-30, Aug 70 (Rus)
[Antibiotic 6431-36 showing antiviral and antibacterial effect] Rudaia SM, et al.
Antibiotiki 14:254-60, 1969 (Rus)
[Effect of extracts from leaves of the Lenkoran acacia, tuberose and tree-of heaven on some viruses in chick embryo and tissue culture] Tul'chinskaia VP, et al.
Mikrobiol Zh 31:510-4, Sep-Oct 69 (Ukr)

GROWTH & DEVELOPMENT

[Determination of the size of viruses using gel electrophoresis] Hantschel H.
Arch Exp Veterinaermed 24:571-80, 1970 (Ger)
[Persistent virus infections] Rössler R.
Internist (Berlin) 11:70-1, Feb 70 (Ger)
[Structure and development of viruses] Peters D.
Verh Dtsch Ges Inn Med 75:540-52, 1969 (Ger)
[Use of human thyroid gland cell cultures for virologic studies] Levina DS, et al.
Vopr Virusol 15:457-60, Jul-Aug 70 (Rus)

IMMUNOLOGY

Preparation of antiviral sera for immunofluorescence on infected tissue culture. Herd S, et al.
J Clin Pathol 24:304-7, May 71
Infectious virus-antibody complexes: interaction with anti-immunoglobulins, complement, and rheumatoid factor. Notkins AL.
J Exp Med 134:Suppl:41s-51s, 1 Sep 71
A technique for the specific staining of macromolecules and viruses with ferritin-antibody conjugates. McLean JD, et al.
J Mol Biol 56:633-5, 28 Mar 71
Antigenic relationships in a group of three viruses of salmonid fish by cross neutralization. McCain BB, et al. Proc Soc Exp Biol Med 137:1042-6, Jul 71
[Ultrastructural immunoperoxidase: localization of antigens of the densonucleus virus (VDN) founded on the structural properties of peroxidase] Kurstak E, et al. C R Acad Sci [D] (Paris) 271:2426-9, 21 Dec 70 (Fre)
[Immune adherence for demonstration of virus specific antigens and antibodies. 3. Studies on the complement activation on cell surfaces] Clauss I, et al.
Z Med Mikrobiol Immunol 156:272-83, 1971 (Ger)

ISOLATION & PURIFICATION

Virus-like particles in brain tissue from two patients with Creutzfeldt-Jakob disease. Bots GT, et al.
Acta Neuropathol (Berl) 18:267-70, 1971
Collection of microbial cells. Wang DI, et al.
Adv Appl Microbiol 12:121-52, 1970 (97 ref.)
Viral and mycoplasmal infections in minor respiratory illnesses and nonstreptococcal pharyngitis. A search for coronaviruses using fetal trachea organ cultures. Schaaff DM, et al. Am Rev Resp Dis 104:41-51, Jul 71
Potential of kidney cell cultures from nonhibernating thirteen-lined ground squirrels (Citellus tridecemlineatus) for virus propagation. Cashon GW, et al. Appl Microbiol 20:593-7, Oct 70
Direct assessment of viral aerosols on cell cultures. Hankins WA, et al. Appl Microbiol 20:284-5, Aug 70
Microbiological examination of postmortem tissues. Dolan CT, et al. Arch Pathol 92:206-11, Sep 71
Demonstration of a virus-like agent contaminating material containing the Stockholm substrain of the Nichols pathogenic Treponema pallidum. Gudjónsson H, et al. Br J Vener Dis 46:435-40, Dec 70
Some characteristics of viruses isolated from bull semen and their possible pathogenicity. Branny J, et al. Br Vet J 127:88-92, Feb 71
Virus isolations from Ixodid ticks in Uganda. I. Isolation and characterisation of ten strains of a virus not previously described from Eastern Africa. Tukei PM, et al. East Afr Med J 47:265-72, May 70
Virus particles in a transplantable rat mammary tumor of spontaneous origin. Chopra HC, et al.
Eur J Cancer 6:287-90, Aug 70
Virus isolations from mosquitoes collected in North Arcot district, Madras state, and Chittoor district, Andhra Pradesh between November 1955 and October 1957. Dandawate CN, et al.
Indian J Med Res 57:1420-6, Aug 69
Interstitial and hemorrhagic cystitis: viral, bacterial and fungal studies. Hanash KA, et al.
J Urol 104:705-6, Nov 70
Viruses in families. Fox JP, et al.
Lancet 1:1240-1, 12 Jun 71
Studies of the sudden infant death syndrome in King County, Washington. II. Attempts to demonstrate evidence of viremia. Ray CG, et al.
Pediatrics 48:79-82, Jul 71
Adventitious viruses in cell cultures. Smith KO.
Progr Med Virol 12:302-38, 1970 (140 ref.)
Report on the isolation of an agent from cell cultures of kidneys from domestic cats. Low RJ, et al.
Vet Rec 88:557-9, 22 May 71
Intracellular appearance and some morphological features of viruslike particles in an ascomycete fungus. Dieleman-van Zaayen M, et al.
Virology 42:534-7, Oct 70
Polyhedral viruslike particles lysing the aquatic phycomycete Aphelidium sp., a parasite of the green alga Scenedesmus armatus. Schnepf E, et al.
Virology 42:483-7, Oct 70
A new group of viruses in Jamaica. I. Initial studies. Ventura AK. West Indian Med J 18:95-104, Jun 69
[Detection of viruses in drinking water. (New trials)] Coulon G, et al.
Bull Inst Nati Sante Rech Med 23:1347-54, Nov-Dec 68 (Fre)
[Application of the soluble ultrafiltrating membrane technic to virus search in the polluted waters of Tananarive] Coulanges P, et al.
C R Soc Biol (Paris) 164:1672-3, 1970 (Fre)
[Viral exanthema. Virologic research] Regnard J, et al.
Presse Med 78:2265-8, 28 Nov 70 (Fre)
[C-virus particles in blood lymphocyte cultures of two sheep with persistent lymphocytosis] Weiss E, et al.
Zentralbl Veterinaermed [B] 18:244-8, May 71 (Ger)
[Technics for the virological examinations of water and sewage] Moro S.
G Batteriol Virol Immunol 63:467-84, Sep-Oct 70 (Ita)
[The problem of viral meningo-encephalitis in

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

childhood] Fornara P.
Minerva Pediatr 22:1946-81, 6 Oct 70 (Ita)
[Pathogens in lower respiratory tract diseases in children with special reference to the relationship between bacteria and viruses] Kishimoto K.
Jap J Allergy 20:182-99, Mar 71 (Jap)
[Partition by water-soluble polymers. A new purification method of macromolecules (proteins and nucleic acids) and cell particles] Sasakawa S.
Protein Nucleic Acid Enzyme (Tokyo) 16:369-78, May 71 (39 ref.) (Jap)
[Collection and handling of clinical specimens for virological studies] Flugsrud L.
Tidsskr Nor Laegeforen 91:85-6, 20 Jan 71 (Nor)
[Viral pneumonia]
Tidsskr Nor Laegeforen 91:126-9, 20 Jan 71 (Nor)
[Methods of isolation of viruses from water] Nestor I.
Stud Cercet Inframicrobiol 21:345-57, 1970 (157 ref.) (Rum)
[Hygienic virologic characteristics of household articles in certain children's institutions] Grigor'eva LV, et al. Gig Sanit 35:103-5, Mar 70 (Rus)
[New strains of viruses isolated from mold fungi of the Penicillium genus] Gauze GF, et al.
Mikrobiologiia 40:540-3, May-Jun 71 (Rus)
[Study of virus cultures with regard to mycoplasma contamination and development of purification methods] Kikava EM.
Vopr Virusol 15:241-4, Mar-Apr 70 (Rus)
[The immunologic reactivity of chronic pemphigus patients to viruses isolated from them] Kisliakova LN, et al. Vopr Virusol 15:477-81, Jul-Aug 70 (Rus)

METABOLISM

The role of iron in microbial metabolism. Coughlan MP.
Sci Progr 59:1-23, Spring 71 (138 ref.)

PATHOGENICITY

Virus-induced polykaryocytosis and the mechanism of cell fusion. Poste G.
Adv Virus Res 16:303-56, 1970 (200 ref.)
Mammalian somatic cell hybrids and their susceptibility to viral infection. Green H, et al.
Fed Proc 30:930-4, May-Jun 71
Induction of lymphoma in BALB-c mice by Rowson-Parr virus (RPV). Carter RL, et al.
Int J Cancer 6:290-303, 15 Sep 70
The possible role of viruses in human cancer. Epstein MA. Lancet 1:1344-7, 26 Jun 71 (77 ref.)
Production of lytic plaques of viral origin in Penicillium. Borré E, et al.
Nature (Lond) 229:568-9, 19 Feb 71

RADIATION EFFECTS

[Inactivation of various groups of viruses by irradiation with a PRK-2 lamp] Zubareva LA.
Sov Zdravookhr Kirg 3:35-9, May-Jun 70 (Rus)

VISAMMIN see KHELLIN (D5)

VISCEROPTOSIS (C4)

COMPLICATIONS

[Role of splanchnoptosis in the pathogenesis of acquired inguinal hernia] Iunko MA.
Khirurgiia (Mosk) 46:123-5, Jun 70 (Rus)

VISCOSITY (H)

see also specific
BLOOD VISCOSITY (G1)

Blood flow, slip, and viscometry. Nubar Y.
Biophys J 11:252-64, Mar 71
Clinical observations and sputum rheology. Tekeres M, et al. Br J Anaesth 42:800-1, Sep 70
Viscoelastic properties of conduit arteries. Gow BS.
Circ Res 27:Suppl 2:113+, Oct 70
Microviscosity and calcium exchange in yeast cells and effects of phenethyl alcohol. Burns VW.
Exp Cell Res 64:35-40, Jan 71
Saliva is viscoelastic. Davis SS.
Experientia 26:1298-300, 15 Dec 70
Effects of O2-concentration, dose-rate, LET and cysteamine on the radiation-induced changes in viscosity of the cytoplasm in the statocytes of barley roots. Cercek L, et al. Int J Radiat Biol 19:361-8, 1971
Studies on rubber base impression materials. XXII. Discussions on the setting mechanism of polysulfide rubber as the dental impression material, chiefly viewed from the variations of viscosity and molecular weight. 2. Polycondensation efficiency of an oxidizing agent for polysulfide. Higashi S, et al.
J Nihon Univ Sch Dent 13:50-62, Mar 71
Studies on rubber base impression materials. XXI. Discussions on the setting mechanism of polysulfide rubber as the dental impression material, chiefly viewed from the variations of viscosity and molecular weight. 1. Introduction and preliminary experiment. Higashi S, et al. J Nihon Univ Sch Dent 13:33-49, Mar 71
Viscoelastic properties of pharmaceutical semisolids. 3. Nondestructive oscillatory testing. Davis SS.
J Pharm Sci 60:1351-6, Sep 71
Viscoelastic properties of pharmaceutical semisolids. IV. Destructive oscillatory testing. Davis SS.
J Pharm Sci 60:1356-60, Sep 71
Viscosity in biological research. Palfrey AJ.
J Physiol (Lond) 215:7P, May 71
Direct determination of the superhelix density of closed circular DNA by viscometric titration. Révet BM, et al. Nature [New Biol] 229:10-3, 6 Jan 71
Time-dependent rheological behaviour of saliva. A preliminary report. Glantz PO, et al.
Odontol Revy 21:279-85, 1970
[Influence of the physical properties of respiratory gases upon the outflow system in the airways] Bargeton D, et al.
J Physiol (Paris) 1:Suppl 1:85, 1969 (Fre)
[Method for measuring the viscosity of the perilymph in the guinea pig cochlea under physiological conditions] Dahl D, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:31-40, 1970 (Ger)
[Floating gallstones depending on the viscosity of the bile and the contraction of the gallbladder] Dinkel L.
Fortschr Geb Roentgenstr Nuklearmed 113:385-6, Sep 70 (Ger)
[Correlation between viscosity and concentration of water soluble cellulose ether] Reuter H, et al.
Pharmazie 25:759-62, Dec 70 (Ger)
[Injectable preparations: mobile and viscose liquids] Rugginenti G, et al.
Boll Chim Farm 109:653-8, Nov 70 (Ita)
[In vitro and in vivo effect of various substances on the viscosity of sputum from patients with cystic fibrosis] Mastella G, et al.
Fracastoro 63:479-507, May-Aug 70 (Ita)
[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al.
J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)

INSTRUMENTATION

An automatic recorder for the Zimm-Crothers viscometer. Prunell A, et al.
Anal Biochem 42:202-6, Jul 71
A method for determining the viscoelastic properties of bioogical fluids. Barnett B, et al.
Biorheology 7:55-67, Jun 70

VISCUM (B6)

ANALYSIS

Separation of viscotoxins from the European mistletoe, Viscum album L. (Loranthaceae) by chromatography on sulfoethyl Sephadex. Samuelsson G, et al.
Acta Chem Scand 24:2751-6, 1970
The amino acid sequence of viscotoxin B from the European mistletoe (Viscum album L, loranthaceae). Samuelsson G, et al. Eur J Biochem 21:86-9, 15 Jul 71

VISION (F1, G1)

see also related
VISUAL PERCEPTION (F1)

Some characteristics of optokinetic eye-movement patterns: a comparative study. Collins WE, et al.
Aerosp Med 41:1251-62, Nov 70
Pilot vision during final approach-and-landing in turbojet transport operations. Hodgson DA.
Aerosp Med 42:205-8, Feb 71
The relationship between basketball shooting performance and certain visual attributes. Beals RP, et al. Am J Optom 48:585-90, Jul 71
Four years of annual studies of chimpanzee vision. Farrer DN, et al. Am J Optom 48:407-16, May 71
Lipreading performance as related to measurements of vision. Irion PE, et al. Am J Optom 48:231-9, Mar 71
Variation in blink rate associated with contact lens wear and task difficulty. York M, et al.
Am J Optom 48:461-7, Jun 71
Influence of early visual input on development of brain excitability in the rat. Meisami E, et al.
Am J Physiol 220:233-8, Jan 71
Adaptation to uniocular image magnification: modification of the disparity-depth relationship. Epstein W, et al. Am J Psychol 83:322-9, Sep 70
Stereopsis, visual latency, and three-dimensional moving pictures. Enright JT.
Am Sci 58:536-45, Sep-Oct 70
Monocular discrimination of mirror-image obliques by pigeons: evidence for lateralized stimulus control. Corballis MC, et al. Anim Behav 18:563-6, Aug 70
Spatial vision. Bishop PO, et al.
Annu Rev Psychol 22:119-60, 1971 (201 ref.)
The rate of visual loss in Behçet's disease. Mamo JG.
Arch Ophthalmol 84:451-2, Oct 70
Phosphenes resulting from stimulation of the midbrain in man. Nashold BS Jr.
Arch Ophthalmol 84:433-5, Oct 70
Optics and visual physiology. Siegel IM.
Arch Ophthalmol 86:100-12, Jul 71 (109 ref.)
Changes in sensory and motor systems during centrally elicited attack. Flynn JP, et al.
Behav Sci 16:1-19, Jan 71
Prognosis for vision and fundus changes in patients with proliferative diabetic retinopathy. Madsen PH.
Br J Ophthalmol 55:372-82, Jun 71
A field theory of visual illusions. Eriksson ES.
Br J Psychol 61:451-66, Nov 70
Ocular dominance: a test of two hypotheses. Gronwall DM, et al. Br J Psychol 62:175-85, May 71
Eye movement potentials in the oculomotor and visual systems of the cat: a comparison of reserpine induced waves with those present during wakefulness and rapid eye movement sleep. Brooks DC, et al.
Brain Res 27:223-39, 2 Apr 71
Alpha-like activity in vision. Childers DG, et al.
Brain Res 25:1-20, 8 Jan 71 (101 ref.)
Tonic responses to steady diffuse illumination of the maintained neuronal discharge in the cat central visual pathways. Corazza R, et al.
Brain Res 27:241-50, 2 Apr 71
Verbal mediators in cross-modal form discrimination. Koen F. Can J Psychol 25:103-10, Apr 71
Hunger and motor restraint on arousal and visual attention in the infant. Giacoman SL.
Child Dev 42:605-14, Jun 71
A comparative study of Piaget's developmental schema of sighted children with that of a group of blind children. Gottesman M. Child Dev 42:573-80, Jun 71
Visual display terminals in a Hospital Information System (HIS). Singer SJ.
Comput Biomed Res 3:510-20, 5 Oct 70
Visual control of limb movement following section of optic chiasm and corpus callosum in the monkey. Lund JS, et al. Cortex 6:323-46, Sep 70
Evoked cortical responses to patterned light flashes: effects of ocular convergence and accommodation. Harter MR, et al.
Electroencephalogr Clin Neurophysiol 30:527-33, Jun 71
Detection efficiency and evoked brain activity: day-to-day and moment-to-moment fluctuations. Isgur J, et al.
Electroencephalogr Clin Neurophysiol 31:96-8, Jul 71
Effects of paroxysmal spike-wave on continuous visual-motor performance. Goode DJ, et al.
Epilepsia 11:241-54, Sep 70
Simultaneous contrast, filling-in process and information processing in man's visual system. Gerrits HJ, et al. Exp Brain Res 11:411-30, 26 Nov 70
The properties of the binocular receptive fields of lateral geniculate neurons. Sanderson KJ, et al.
Exp Brain Res 13:178-207, 1971
The origin of spontaneous, rhythmic potentials in the visual system of rats. Anderson KV, et al.
Exp Neurol 30:555-64, Mar 71
Stimulus deprivation and cerebral blood flow. Bondy SC, et al. Exp Neurol 31:200-6, May 71
Effect of tetanization and enucleation upon excitability of visual pathways in squirrel monkeys and cats. Fentress JC, et al. Exp Neurol 30:535-54, Mar 71
Motor-sensory and visual behavior after hemispherectomy in newborn and mature rats. Hicks SP, et al. Exp Neurol 29:416-38, Dec 70
The midbrain tectum in visual relay. Lin H, et al.
Exp Neurol 28:403-15, Sep 70
Photically evoked responses in the visual system of rats exposed to continuous light. O'Steen WK, et al.
Exp Neurol 30:525-34, Mar 71
The Vision Information Center. Reinecke RD, et al.
Eye Ear Nose Throat Mon 49:342-6, Jul 70
A comparison of performance on visual and auditory monitoring tasks. Kennedy RS.
Hum Factors 13:93-7, Apr 71
Color coding for information location. Shontz WD, et al.
Hum Factors 13:237-46, Jun 71
Magnification and microminiature inspection. Smith GL, et al. Hum Factors 13:247-54, Jun 71
Visual electrophysiology. An introduction to the ERG, EOG, ERP, and VER. Finkelstein D, et al.
Int Ophthalmol Clin 9:857-81, Winter 69
Human electroretinogram near the absolute theshold of vision. Finkelstein D, et al.
Int Ophthalmol Clin 9:1073-81, Winter 69
Human brain potentials and vision. Vaughan HG Jr.
Int Ophthalmol Clin 9:899-920, Winter 69
The effect of hypoxia on visual function. Psychophysical studies. Ernest JT, et al.
Invest Ophthalmol 10:323-8, May 71
On the presentation of the Proctor Medal of the Association for Research in Vision and Ophthalmology to W.A.H. Rushton. (Rushton WA), Riggs LA. Invest Ophthalmol 10:304-10, May 71
Electrical and psychophysical responses of the human visual system to periodic variation of luminance. Sokol S, et al. Invest Ophthalmol 10:171-80, Mar 71
Transparencies used in military aviation and their effects on vision. Provines WF, et al.
J Am Optom Assoc 42:57-63, Jan 71
The effect of auditory and visual stimulation on stereotyped rocking behavior and general activity of severe retardates. Forehand R, et al.
J Clin Psychol 26:426-9, Oct 70

The effect of unilateral deprivation on visual centers in rats. Fifková E. J Comp Neurol 140:431-8, Dec 70
Visually evoked response in guinea pigs: strains compared. Creel DJ, et al.
J Comp Physiol Psychol 73:490-3, Dec 70
Visual evoked-response attenuation by spreading depression. Freedman N, et al.
J Comp Physiol Psychol 69:362-7, Oct 69
Development and segmentation of visually controlled movement by selective exposure during rearing. Hein A, et al. J Comp Physiol Psychol 73:181-7, Nov 70
Exposure requirements for developing the triggered component of the visual-placing response. Hein A, et al. J Comp Physiol Psychol 73:188-92, Nov 70
Modification of the startle reflex in the rat by changes in the auditory and visual environments. Ison JR, et al.
J Comp Physiol Psychol 75:435-52, Jun 71
Limulus visual threshold obtained from light-elicited unconditioned tail movements. Wasserman GS, et al.
J Comp Physiol Psychol 73:111-6, Oct 70
The visual mechanisms of Tenebrio molitor: some aspects of the spectral response. Yinon U.
J Exp Biol 53:221-9, Aug 70
The visual mechanisms of Tenebrio molitor: changes in the electroretinogram as function of the stimulus duration. Yinon U. J Exp Biol 54:737-44, Jun 71
Development of the object concept as manifested in changes in the tracking behavior of infants between 7 and 20 weeks of age. Bower TG, et al.
J Exp Child Psychol 11:182-93, Apr 71
Effect of correlated visual and tactual feedback on auditory pattern learning at different age levels. Wohlwill JF. J Exp Child Psychol 11:213-28, Apr 71
Adaptation to displaced vision: a change in the central control of sensorimotor coordination. Hardt ME, et al.
J Exp Psychol 89:229-39, Aug 71
Simple reaction time as a function of stimulus intensity in decibels of light and sound. Kohfeld DL.
J Exp Psychol 88:251-7, May 71
Tilt aftereffects in central and peripheral vision. Muir D, et al. J Exp Psychol 85:165-70, Aug 70
Visual-motor control loop: a linear system? Wilkinson DA. J Exp Psychol 89:250-7, Aug 71
Visual adaptation in the retina of the skate. Dowling JE, et al. J Gen Physiol 56:491-520, Oct 70
The effects of aging on schizophrenic and mentally defective patients: visual, auditory, and grip strength measurements. Callison DA, et al.
J Gerontol 26:137-45, Apr 71
Nasotemporal overlap in visual field projected to lateral geniculate nucleus in the cat. Sanderson KJJ, et al. J Neurophysiol 34:453-66, May 71
Visual masking following transient adaptation. Banderet LE, et al. J Opt Soc Am 61:955-8, Jul 71
Effect of noise on the modulation transfer function of the visual channel. Pollehn H, et al.
J Opt Soc Am 60:842-8, Jun 70
Luminance-time relation at various eccentricities: individual differences. Ronchi L, et al.
J Opt Soc Am 61:115-8, Jan 71
Effect of forced-choice vs magnitude-estimation measures on the waveform of metacontrast functions. Weisstein N, et al. J Opt Soc Am 60:978-80, Jul 70
Binocular interaction fields of single units in the cat striate cortex. Bishop PO, et al.
J Physiol (Lond) 216:39-68, Jul 71
Simple scanning devices for computer modelling of visual processes. Campbell FW, et al.
J Physiol (Lond) 217:18P-19P, Aug 71
Consequences of monocular deprivation on visual behaviour in kittens. Dews PB, et al.
J Physiol (Lond) 206:437-55, Feb 70
A computer programme for simulating the neural networks of the retina and visual pathways. Goddard AM, et al. J Physiol (Lond) 216:13P-14P, Jul 71
The period of susceptibility to the physiological effects of unilateral eye closure in kittens. Hubel DH, et al.
J Physiol (Lond) 206:419-36, Feb 70
Configuration dependence of scotopic spatial summation. Sakitt B.
J Physiol (Lond) 216:513-29, Aug 71
A fresh approach to stabilized retinal images. II. Sharpe C. J Physiol (Lond) 217:9P-10P, Aug 71
Studies of temporal frequency adaptation in visual contrast sensitivity. Smith RA Jr.
J Physiol (Lond) 216:551-52, Aug 71
Role of the midbrain in visually guided behavior and in discrimination. Sprague JM.
J Physiol Soc Jap 32:562-3, Aug 70
Organization of lateral geniculate neurons in binocular inhibition. Suzuki H. J Physiol Soc Jap 32:563-4, Aug 70
The projected brain illusion. Du Mas FM, et al.
J Psychol 78:115-8, May 71
Cross-modal congruity: visual and olfactory. Henion KE. J Soc Psychol 81:15-23, Jun 70
Vision and sporting results. Gavriysky V.
J Sports Med Phys Fitness 10:280-4, Dec 70
Suicidal behavior after restoration of sight. Lester D.
JAMA 214:916, 2 Nov 70
A model of the human visual system in its response to certain classes of moving stimuli. Foster DH.
Kybernetik 8:69-84, Feb 71
A feature extractor for curvilinear patterns: a design suggested by the mammalian visual system. Fukushima K. Kybernetik 7:153-60, Sep 70
The concepts of scaling and refractoriness in psychophysical theories of vision. Grind WA van de, et al. Kybernetik 8:105-22, Mar 71 (45 ref.)
Adapting coincidence scalers and neural modelling studies of vision. Grind WA van de, et al.
Kybernetik 8:85-105, Mar 71 (73 ref.)
Visual neurones for tracking moving targets. Collett T.
Nature (Lond) 232:127-30, 9 Jul 71
Generation of Cherenkov light flashes by cosmic radiation within the eyes of the Apollo astronauts. Fazio GG, et al. Nature (Lond) 228:260-4, 17 Oct 70
Limiting factors in threshold and suprathreshold vision. Hay GA, et al.
Nature (Lond) 228:1216-8, 19 Dec 70
Implications of torsional potential of retinal isomers for visual excitation. Honig B, et al.
Nature (Lond) 229:558-60, 19 Feb 71
Central visual discharge time-locked with spontaneous eye movements in the cat. Lombroso CT, et al.
Nature (Lond) 230:464-7, 16 Apr 71
Relation of occipital spikes evoked by intermittent photic stimulation to visual evoked responses in photosensitive epilepsy. Panayiotopoulos CP, et al.
Nature (Lond) 228:566-7, 7 Nov 70
Experiments concerning the cancellation theory of visual direction constancy. Klein HM.
Naturwissenschaften 57:456, Sep 70
[The relationship between the absolute visual threshold and the gradient of the stimulus] Krol' TM.
Nerv Sist 10:163-8, 1969
Image quality in the human eye. Westheimer G.
Opt Acta (Lond) 17:641-58, Sep 70
Visual-tactual dominance relationship as a function of accuracy of tactual judgment. Derrick E, et al.
Percept Mot Skills 31:935-9, Dec 70
Effects of knowledge of results and spacing of practice trials in training of control of binocular rivalry. Lack LC. Percept Mot Skills 31:827-30, Dec 70
Preferred sensory modality, reading readiness, and reading achievement in first-grade children. Smith IL, et al. Percept Mot Skills 32:764-6, Jun 71
Biochemical aspects of the visual process. X. Distribution and movements of ions in the dark-adapted retina of the cuttlefish (Sepia officinalis). Duncan G, et al.
Pfluegers Arch 322:264-77, 1971
Biochemical aspects of the visual process. XI. Light-stimulated ion movements in the retina of the cuttlefish (Sepia officinalis). Pont JJ de, et al.
Pfluegers Arch 322:278-86, 1971
The optic projection in brain hemispheres of chick embryo. Sedláček J.
Physiol Bohemoslov 19:197-204, 1970
Genetic dissection of the Drosophila nervous system by means of mosaics. Hotta Y, et al.
Proc Natl Acad Sci USA 67:1156-63, Nov 70
Power spectral density changes in the EEG during mental arithmetic and eye-opening. Glass A, et al.
Psychol Forsch 33:85-99, 1970
Oculomotor effects upon binocular rivalry. Richards W.
Psychol Forsch 33:136-54, 1970
Sensory deprivation on visceral activity. I. The effect of visual deprivation on canine gastric secretion. Schapiro H, et al.
Psychosom Med 32:379-96, Jul-Aug 70
The amount seen in brief exposures. Holding DH.
Q J Exp Psychol 23:73-81, Feb 71
The influence of visual texture density gradients on relative distance judgements. Newman CV.
Q J Exp Psychol 23:225-33, May 71
Visual orientation during lateral head tilt when upright and supine. Wade NJ. Q J Exp Psychol 22:420-2, Aug 70
Psychophysical invariants of achromatic colour vision. I. The multidimensionality of achromatic colour experience. Lie I. Scand J Psychol 10:167-75, 1969
Dendritic-tree anatomy codes form-vision physiology in tadpole retina. Pomeranz B, et al.
Science 170:983-4, 27 Nov 70
Superior colliculus: some receptive field properties of bimodally responsive cells. Wickelgren BG.
Science 173:69-72, 2 Jul 71
Vision organizations in the UITED States. Choi T, et al.
Sight Sav Rev 40:151-7, Fall 70
Analysis of central mechanism in visual discrimination learning of goldfish. Iwai E, et al.
Tohoku J Exp Med 103:135-42, Oct 70
Some disadvantages of binocular vision. Travers TA.
Trans Aust Coll Ophthalmol 1:19-24, 1969
Rods and cones and the problem of visual excitation. Cohen AI. UCLA Forum Med Sci 8:31-62, 1969
The photochemical approach to visual problems. Dartnall HJ. UCLA Forum Med Sci 8:235-56, 1969
Inhibitory interaction in the retina. Hartline HK.
UCLA Forum Med Sci 8:297-317, 1969
The molecular basis of human vision. Wald G.
UCLA Forum Med Sci 8:281-95, 1969
Contour effects on a brightness paradox. Bergström SS, et al. Vision Res 10:1057-64, Oct 70
A new kind of stereoscopic vision. Blakemore C.
Vision Res 10:1181-99, Nov 70
An improved method for plotting retinal landmarks and focusing the eyes. Fernald R, et al.
Vision Res 11:95-6, Jan 71
Loci of perceived, equi-, half- and double-distance in stereoscopic vision. Foley JM.
Vision Res 10:1201-9, Nov 70
On probability summation. Guth SL.
Vision Res 11:747-56, Jul 71
Evoked cortical responses to checkerboard patterns: effect of check-size as a function of retinal eccentricity. Harter MR. Vision Res 10:1365-76, Dec 70
Center-surround balance in receptive fields of cells in the lateral geniculate nucleus. Jacobs GH, et al.
Vision Res 10:1127-44, Nov 70
Response characteristics of pigeon forebrain cells to visual stimulation. Kimberly RP, et al.
Vision Res 11:475-8, May 71
Variation of the visual threshold with retinal location. I. The central 20 degrees of visual field. Kishto BN.
Vision Res 10:745-61, Aug 70
Variation of the visual threshold with retinal location. II. The fovea. Kishto BN, et al.
Vision Res 10:762-7, Aug 70
Some stimulus parameters affecting spatial and temporal resolution of human vision. Kulikowski JJ.
Vision Res 11:83-93, Jan 71
Siegfried JB: Spectral sensitivity of the human VER obtained with an alternating barred pattern. May JG.
Vision Res 10:1399-410, Dec 70
Entoptic halos. Mellerio J, et al.
Vision Res 10:595-9, Jul 70
Smearing of the retinal image during voluntary saccadic eye movements. Mitrani L, et al.
Vision Res 10:405-9, May 70
Dependence of visual suppression on the angular size of voluntary saccadic eye movements. Mitrani L, et al.
Vision Res 10:411-5, May 70
Temporal and spatial characteristics of visual suppression during voluntary saccadic eye movement. Mitrani L, et al. Vision Res 10:417-22, May 70
Vision and visual pigments in a fish, Scardinius erythrophthalmus (the rudd). Muntz WR, et al.
Vision Res 10:281-98, Apr 70
Luminance matching functions. Palmer DA.
Vision Res 10:563-73, Jul 70
Visual latencies at photopic levels of retinal illuminance. Prestrude AM.
Vision Res 11:351-61, Apr 71
Light adaptation and visual latency. Prestrude AM, et al. Vision Res 11:363-9, Apr 71
Behavioral assessment of absolute visual thresholds in the albino rat. Rosenberger PB, et al.
Vision Res 11:199-207, Mar 71
A test of the Mellwain effect in man. Spillman L, et al.
Vision Res 11:751-3, Jul 71
Sensitization by annular surrounds: spatial summation properties. Teller DY, et al.
Vision Res 10:549-61, Jul 70
Temporal summation in foveal vision. Tittarelli R, et al.
Vision Res 10:1477-81, Dec 70
[Visuo-motor factors affecting posture] Černáček J, et al. Act Nerv Super (Praha) 13:32-5, 1971 (Fre)
[Physiology of binocular vision] Thomas C.
Arch Ophtalmol (Paris) 31:189-206, Feb 71 (Fre)
[Quantum theory of vision] Calvet H.
Bull Mem Soc Fr Ophtalmol 81:615-24, 1968 (Fre)
[Physiopathology of functional amblyopia] Conreur L, et al.
Bull Soc Belge Ophtalmol 151:3-297, 1969 (676 ref.) (Fre)
[Valuation of visual functions in children 2 to 6 years old] Delthil S, et al.
Bull Soc Ophtalmol Fr Suppl:1-166, 1968 (Fre)
[Study of the visual system as a regulator of the behavior of the human operator] Malvache N, et al.
J Physiol (Paris) 62:Suppl 2:295-6, 1970 (Fre)
[Examination of central visual function in flight personnel over 50 years of age] Mercier A, et al.
Rev Corps Sante Armees 9:615-22, Oct 68 (Fre)
[Audiovisual reaction times and oto-neurologic evaluation. Apropos of 920 cases] Hadj-Djilani AM.
Rev Otoneuroophtalmol 42:459-64, Nov 70 (Fre)
[A new model intended for interpretation of the Stiles-Crawford effect] Simon J.
Vision Res 10:1471-6, Dec 70 (Fre)
[Binocular vision and skull form: the problem of the alteration of the primate skull, especially of the skull of Lorisidae] Spatz WB.
Acta Anat (Basel) 75:489-520, 1970 (Ger)
[Stereopsis--a sensation sui generis?] Piper HF.
Klin Monatshl Augenheilkd 158:802-5, Jun 71 (Ger)
[Order and orientation of elements in the visual system of the fly] Braitenberg V.
Kybernetik 7:235-42, Dec 70 (Ger)
[Information processing in the vertebrate visual system. II] Seelen W von.
Kybernetik 7:89-106, Jul 70 (Ger)
[Uptake and processing of optic data in the complex eye of insects] Kirschfeld K.
Naturwissenschaften 58:201-9, Apr 71 (Ger)
[The extension of accommodation phosphenes in the field of vision] Comberg D.
Ophthalmologica 161:499-503, 1970 (Ger)
[The w-potential: a particular summated evoked

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

potential] Emrich H.
Vision Res 10:1155-7, Nov 70 (Ger)
[Glare effect of monochromatic light on the human eye] König H. Vision Res 10:875-85, Sep 70 (Ger)
[Studies on the Panum effect] Heinerth K.
Z Exp Angew Psychol 17:52-68, 1970 (Ger)
[Visual-motor and tactile-motor cross-modal transfer] Perret E, et al.
Z Exp Angew Psychol 17:414-22, 1970 (Ger)
[Effect of lighting on visually determined steering and control activities in steel mills] Sommer J.
Z Exp Angew Psychol 17:635-69, 1970 (Ger)
[Differences in learning and abstraction performance in hens with monocular or binocular vision] Schulte EH. Z Tierpsychol 27:946-70, Nov 70 (Ger)
[Physiologic studies and further remarks on the structure of the light-sensitive pineal body of Pterophyllum scalare Cuv. et Val. (Cichlidae, teleostei)] Morita Y, et al.
Z Zellforsch Mikrosk Anat 119:289-94, 1971 (Ger)
[Diagnosis and treatment of concomitant strabismus under conditions of normal vision. With a preliminary note on the physiopathology of binocular vision] Bagolini B. Boll Ocul 48:379-401, Jun 69 (Ita)
[Persistence and morphology of post-images in normal subjects as a function of the wave length of the stimuli] Schiavi L, et al.
Riv Otoneurooftalmol 44:1-34, Jan-Feb 69 (Ita)
[Study of motor car-road system based on the visual function. 3] Yamaji R.
Acta Soc Ophthalmol Jap 75:1052-5, Feb 71 (Jap)
[Study of motor car-road system based on the visual function. II] Yamaji R.
Acta Soc Ophthalmol Jap 75:79-84, 10 Jan 71 (Jap)
[Study of motor car-road system based on the visual function. IV] Yamaji R.
Acta Soc Ophthalmol Jap 75:1127-9, Mar 71 (Jap)
[Study of mortor car-road system based on the visual function. (I)] Yamaji R.
Acta Soc Ophthalmol Jap 74:1164-8, Sep 70 (Jap)
[VER of the intracranial lesion and its clinical evaluation] Adachi E, et al.
Folia Ophthalmol Jap 22:403-11, Jun 71 (Jap)
[Artificial impairment of vision and the visual evoked response] Hioka N.
Folia Ophthalmol Jap 22:231-2, Apr 71 (Jap)
[A study on binocular function by VER.1. Interaction of the VERs evoked by stimulation of each fovea] Nagaya T. Folia Ophthalmol Jap 22:402, Jun 71 (Jap)
[Evaluation of 3 kinds of mapping of visual evoked response on the occipital scalp] Takenaka J, et al.
Folia Ophthalmol Jap 22:389-92, Jun 71 (Jap)
[Study on the effect of so-called ultra violet ray proof contact lenses on visual function] Yamaji R, et al.
Folia Ophthalmol Jap 22:45-52, Jun 71 (Jap)
[The VER in patients with homonymous hemianopia] Yone, et al.
Folia Ophthalmol Jap 22:412-4, Jun 71 (Jap)
[Visual field in the diagnosis of optic tract disorders] Isayama Y.
Ophthalmology (Tokyo) 13:679-90, Jul 71 (Jap)
[A longitudinal study of visual evoked responses in schizophrenia] Shirakawa T.
Psychiatr Neurol Jap 72:966-82, Oct 70 (Jap)
[Adaptational inhibition and disinhibition] Glezer VD, et al. Biofizika 16:314-9, Mar-Apr 71 (Rus)
[Control of afferentation dynamics at different levels of the visual system] Shevelev IA.
Biofizika 16:320-6, Mar-Apr 71 (Rus)
[Visually conditioned activity in the cervical neural chain of the dragonfly] Zenkin GM, et al.
Biofizika 16:299-306, Mar-Apr 71 (Rus)
[Some characteristics of information processes in the visual analyzer] Kogan AB, et al.
Dokl Akad Nauk SSSR 197:951-3, 1971 (Rus)
[Construction of mecahnical systems for moving various targets in the field of vision of animals] Neverovskif SA, et al.
Fiziol Zh SSSR 56:1304-7, Sep 70 (Rus)
[The projection of crossed and uncrossed visual fibers in the external geniculate bodies of rabbits and dogs] Figurina II. Nerv Sist 10:137-43, 1969 (Rus)
[Some data on the state of the eyes in newborns] Guseva MR, et al. Oftalmol Zh 24:453-7, 1969 (Rus)
[Differentiation of visual stimuli according to form in dogs during ontogenesis] Obraztsova GA, et al.
Zh Vyssh Nerv Deiat 21:529-37, 1971 (Rus)
[Characteristics of threshold electrical phosphene] Shostak VI.
Zh Vyssh Nerv Deiat 21:586-91, May-Jun 71 (Rus)
[The strychnine spike as a model for analysis of processes in the polysynaptic structures of the cerebral cortex] Val'tsev VB.
Zh Vyssh Nerv Deiat 21:592-600, 1971 (Rus)
[Traffic medicine. 7. Visual factors in automobile driving] Berggren L.
Lakartidningen 68:1898-905, 14 Apr 71 (Swe)

DRUG EFFECTS

Promethazine on hand-eye co-ordination and visual function. Large AT, et al.
J Pharm Pharmacol 23:134-5, Feb 71
[New therapeutical perspectives in ophthalmology] Riu R, et al. Therapeutique 46:925-8, Nov 70 (Fre)
[A study on the effects of pilocarpine in low concentration on various ophthalmic functions especially on the AC-A ratio] Ichikawa H.
Folia Ophthalmol Jap 22:240-59, Apr 71 (Jap)

HISTORY

Principles and contradictions of Galen's doctrine of vision. (Galen), Siegel RE.
Sudhoffs Arch 54:261-76, Oct 70

RADIATION EFFECTS

The visual response of the purple shore crab, Hemigrapsus nudus, to ionizing and non-ionizing radiations. Jordan NM, et al.
Experientia 27:653-5, Jun 71
Visual function responses of patients receiving X- or 60Co gamma-radiation therapy in the region of head and neck. Devi SK, et al.
Int J Radiat Biol 19:379-92, 1971
Visual sensations produced by single fast particles. Charman WN, et al. Nature (Lond) 230:522-4, 23 Apr 71
Radiation-induced light flashes observed by human subjects in fast neutron, x-ray and positive pion beams. Tobias CA, et al.
Nature (Lond) 230:596-8, 30 Apr 71

VISION DISORDERS (C11)

Superior oblique myokymia. Report and discussion on five cases of benign intermittent unlocular microtremor. Hoyt WF, et al.
Arch Ophthalmol 84:461-7, Oct 70
Visual-learning deficits following cerebellar damage in rats. Buchtel HA.
J Comp Physiol Psychol 72:296-305, Aug 70
Genetical aspects of severe visual impairment in childhood. Fraser GR. J Med Genet 7:257-67, Sep 70
[Visual function and automobile driving] Legrand J.
Ann Ocul (Paris) 201:1081-96, Nov 68 (Fre)
[Hearing and visual disorders in automobile drivers] Mihailovic M. Praxis 60:535-6, 27 Apr 71 (Ger)
[Disturbances in childhood] Hofmann H.
Wien Med Wochenschr 120:85-8, 7 Feb 70 (Ger)
[Sensory anomalies in ultra-small angle strabismus or microtropia] Leonardi E, et al.
Boll Ocul 48:960-70, Dec 69 (Ita)
On chromatic discrimination during some psychiatric syndromes and some recognized cerebral lesions] Meduri R.
Riv Otoneurooftalmol 44:35-60, Jan-Feb 69 (Ita)
[A clinical study on the paroxysmal horizontal inverted vision] Nishiura N.
Psychiatr Neurol Jap 72:773-85, Aug 70 (Jap)
[Clinical aspects of subnormal vision. Definition, clinical concept and visual correction] Lima JV de.
Rev Bras Oftalmol 30:125-36, Jun 71 (Por)
[Ophthalmology in brief] Carreras y Matas M.
Rev Esp Otoneurooftalmol Neurocir 28:179-81, 1969-70 (Spa)
[Traffic medicine. 7. Visual factors in automobile driving] Berggren L.
Lakartidningen 68:1898-905, 14 Apr 71 (Swe)

CHEMICALLY INDUCED

Visual disturbances experienced by hallucinogenic drug abusers while driving. Woody GE.
Am J Psychiatry 127:683-6, Nov 70
Ocular side-effects of Ibuprofen. Collum LM, et al.
Br J Ophthalmol 55:472-7, Jul 71
[Value of the Farnsworth-Munsell 100 Hue-test in follow-up studies] Pinckers A.
Ann Ocul (Paris) 203:811-20, Sep 70 (Fre)
[On ocular damage caused by chloroquine] Rinaldi G, et al. Minerva Med 62:766-9, 24 Feb 71 (Ita)
[Digitalis glycosides] Naess K.
Tidsskr Nor Laegeforen 91:1245, 10 Jun 71 (Nor)

COMPLICATIONS

Associative visual agnosia. Rubens AB, et al.
Arch Neurol 24:305-16, Apr 71
Ophthalmological deficiencies in deaf children. Lawson LJ Jr, et al. Except Child 37:17-20, Sep 70
The contribution of visual problems to learning disability. Flax N. J Am Optom Assoc 41:841-5, Oct 70
Progressive supranuclear palsy. Report of a Thai patient. Steele JC. J Med Assoc Thai 53:364-8, May 70
Visual system anomaly associated with albinism in the cat. Creel DJ. Nature (Lond) 231:465-6, 18 Jun 71
Loffler's eosinophilic endocarditis with Balint's syndrome (optic ataxia and paralysis of visual fixation). Gardner-Thorpe C, et al.
Q J Med 40:249-60, Apr 71
[Ulerythema ophryogenes and functional ocular diseases] Mortelmans L, et al.
Arch Belg Dermatol Syphiligr 26:581-4, Oct-Dec 70 (Fre)
[Visual deficiency and mental deficiency] Lissonde B, et al.
Rev Neuropsychiatr Infant 19:1-19, Jan-Feb 71 (Fre)
[De novo translocation of C-E in clinically atypical E-trisomy syndrome-mosaic: 46,X XX-46, XX, E+, C-t (Cq-; Ep+)] Hansen J.
Klin Wochenschr 48:1188-92, 1 Oct 70 (Ger)
[Eye diseases in migraine patients] Dossi F, et al.
Minerva Oftalmol 11:199-213, Nov-Dec 69 (Ita)

DIAGNOSIS

Pupillomotoric perimetry in psychogenic defects of the visual fields. Enoksson P, et al.
Acta Ophthalmol (Kbh) 48:872-6, 1970
Asthenopia, aniseikonia, and cyclophoria. Rosenberg R.
Am J Optom 48:315-9, Apr 71
A static perimetric technique believed to test receptive field properties: responses near visual field lesions with sharp borders. Enoch JM, et al.
Doc Ophthalmol 29:154-67, 21 Dec 70
A static perimetric technique believed to test receptive field properties: extension and verification of the analysis. Enoch JM, et al.
Doc Ophthalmol 29:127-53, 21 Dec 70
Combined ERG, VER and EEG in babies and children with visual disorders. Harden A, et al.
Electroencephalogr Clin Neurophysiol 30:367, Apr 71
Electrodiagnostic procedures in the blind and partially sighted young child. Henkes HE, et al.
Int Ophthalmol Clin 9:921-33, Winter 69
The clinical electroretinogram after 25 years. Jacobson JH. Int Ophthalmol Clin 9:851-6, Winter 69
Electrophysiological tests of visual function. Kelsey JH. Int Ophthalmol Clin 9:883-96, Winter 69
Clinical neuro-ophthalmology. Thorpe RM.
J Occup Med 13:134-7, Mar 71
Functional and organic visual defects: the differentiation in schoolchildren. Harcourt B.
Proc R Soc Med 64:819-21, Jun 71
Presidential address. "De minimis".
Trans Ophthalmol Soc UK 89:1-27, 1970
[Value of the Farnsworth-Munsell 100 Hue-test in follow-up studies] Pinckers A.
Ann Ocul (Paris) 203:811-20, Sep 70 (Fre)
[The clinical examination of chromatic sense] Legras M. Arch Ophtalmol (Paris) 30:913-29, Dec 70 (Fre)
[Contributions of psychological technics to visual disorder detection tests in 3 to 6-year-old children] Duché DJ, et al.
Rev Neuropsychiatr Infant 19:49-56, Jan-Feb 71 (Fre)
[Electro-oculo-retino-encephalography in neuro-ophthalmology] François J.
Rev Otoneuroophtalmol 40:423-41, Dec 68 (Fre)
[A reliable "rapid" diagnostic method for deviations in binocular vision] Jonkers GH.
Klin Monatsbl Augenheilkd 158:96-103, Jan 71 (Ger)
[Differentiation of disturbed color perception in a case of hereditary macular disease with protanopia] Schellenbeck R, et al.
Klin Monatsbl Augenheilkd 157:673-6, Nov 70 (Ger)
[The morbidity of vision disorders in preschool children in Goritz] Richter J, et al.
Z Gesamte Hyg 17:138-41, Feb 71 (Ger)
[The diagnostic and prognostic value of electrophysiological examinations of the visual system] Feinsod M, et al.
Harefuah 79:249-51, 15 Sep 70 (Heb)
[Changes in binocular vision analyzed by using striated glasses on the Goldmann perimeter in oculomotory paralysis] Montaldi M, et al.
Boll Ocul 48:934-42, Dec 69 (Ita)
[The oculistic service in schools in the Province of Florence] Duvina PL, et al.
Riv Clin Pediatr 81:1254, Nov-Dec 68 (Ita)
[Flicker test in ophthalmology] Otori T, et al.
Jap J Clin Med 28:2844-9, Dec 70 (Jap)
[Perimetry in vision disorders] Matsuo H, et al.
Ophthalmology (Tokyo) 12:853-64, Oct 70 (Jap)
[Diagnosis of diseases of the oculomotor system] Seniakina AS.
Oftalmol Zh 24:416-27, 1969 (195 ref.) (Rus)
[Method and results of studying visual acuity and ocular refraction in preschool children] Utkin VF, et al. Oftalmol Zh 25:99-102, 1970 (Rus)

DRUG THERAPY

[Value of using 5000 mcg hydroxocobalamin in treatment of visual deficiency in glaucomatous optic atrophy] Algan, et al.
Bull Soc Ophtalmol Fr 69:677-84, Jul-Aug 69 (Fre)

ETIOLOGY

Chiasmal visual fields. Moller PM, et al.
Acta Ophthalmol (Kbh) 48:678-84, 1970
Aeromedical consultation service case report: unlocular oscillopsia associated with internuclear ophthalmoplegia. Richter PL.
Aerosp Med 42:89-90, Jan 71
Flashblindness recovery with and without protection in simulated flight conditions. Ward B, et al.
Aerosp Med 42:149-52, Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Optic nerve hypoplasia. Edwards WC, et al. Am J Ophthalmol 70:950-9, Dec 70
Waste motion. Potts AM. Am J Ophthalmol 71:942-3, Apr 71
Bobbing oscillopsia. Maw AR. Ann Otol Rhinol Laryngol 80:233-9, Apr 71
Visual morbidity with chiasmal glioma. Long-term studies of visual fields in untreated and irradiated cases. Glaser JS, et al. Arch Ophthalmol 85:3-12, Jan 71
Optic nerve hypoplasia. A report of 20 cases. Walton DS, et al. Arch Ophthalmol 84:572-8, Nov 70
Photopic abnormalities in congenital stationary nightblindness. Krill AE, et al. Invest Ophthalmol 10:625-36, Aug 71
Visual impairment in "los pressure" hydrocephalus. Block J. J Neurol Neurosurg Psychiatry 34:107, Feb 71
A new theory about heterophoria. Crone RA. Ophthalmologica 162:199-204, 1971
Color-vision defects in alcoholism. Smith JW, et al. Q J Stud Alcohol 32:41-4, Mar 71
Metastatic ocular deposits due to bronchial carcinoma. Evans CC, et al. Thorax 26:472-5, Jul 71
Visual field defects following cerebral angiography. Cullen JF. Trans Ophthalmol Soc UK 89:47-55, 1970
[Psychological, socio-occupational, psychopathological and physiopathological evaluation 1 year following acute carbon monoxide poisoning] Veil C, et al. Ann Med Psychol (Paris) 2:343-98, Oct 70 (Fre)
[Study of the chiasmatic syndrome occurring during pregnancy] Bonamour G, et al. Ann Ocul (Paris) 204:235-56, Mar 71 (Fre)
[2 cases of Gayet-Wernicke encephalopathy with unilateral isolated mydriasis] Castaigne P, et al. Ann Ocul (Paris) 204:279-83, Mar 71 (Fre)
[The eyes and television] Dubois-Poulsen A. Ann Ocul (Paris) 204:371-86, Apr 71 (Fre)
[Visual involvement in cranio-orbital injuries] Wolfram D, et al. Ann Ocul (Paris) 202:1255-73, Dec 69 (Fre)
[Visual function in retinal detachment] Jayle GE, et al. Annee Ther Clin Ophtalmol 20:165-205, 1969 (Fre)
[False double papilla caused by toxoplasmic cicatrix] Hamard H, et al. Bull Mem Soc Fr Ophtalmol 82:552-6, 1969 (Fre)
[Asymmetry of dissociation disorders] Hermans G. Bull Soc Belge Ophtalmol 155:324-31, Jun 70 (Fre)
[Vertical displacement in unilateral aphakic patients supplied with lens] Beal F, et al. Bull Soc Ophtalmol Fr 70:597-602, Apr 70 (Fre)
[Modifications of corneal curvatures after prolonged wearing of precorneal lenses] Bronner A, et al. Bull Soc Ophtalmol Fr 70:694-9, May-Jun 70 (Fre)
[Arrhythmia and visual disorders] Georges B, et al. Bull Soc Ophtalmol Fr 70:692-4, May-Jun 70 (Fre)
[Chiasmatic syndrome and epidermoid cyst of the hypophyseal region] Perdriel G, et al. Bull Soc Ophtalmol Fr 70:657-9, May-Jun 70 (Fre)
[Biologic effect of hypomagnetic environment] Miro L, et al. Presse Therm Climat 107:32-4, 1970 (Fre)
[Further cases of so-called empty sella turcicas with neuroophthalmologic signs or rhinorrhea] Metzger J, et al. Rev Neurol (Paris) 123:435-42, Dec 70 (Fre)
[Fractures of the floor and lower border of the orbit and their sequelae] Claux J, et al. Rev Otoneuroophtalmol 41:463-4, Dec 69 (Fre)
[Hypermetropic intraocular hypertension exaggerated by hypobarism considered as the mechanism of accommodative visual disorders caused by altitude] Carapancea M, et al. Rev Roum Physiol 7:221-4, 1970 (Fre)
[On a case of upside-down vision] Mancini E, et al. Acta Neurol (Napoli) 24:530-6, Jul-Aug 69 (Ita)
[A case of chronic simple glaucoma, corrected by a surgical fistula, followed by a particularly serious and late decrease of visual function] Accardi A. Boll Ocul 48:331-9, May 69 (Ita)
[Etiopathogenetic considerations on the carotid sinus syndrome during anesthesia for ORL surgery] Bottari G, et al. Friuli Med 24:17-32, Jan-Feb 69 (Ita)
[Behavior of central vision in flight-simulation states] Meineri G, et al. Riv Med Aeronaut Spaz 33:369-82, Jul-Sep 70 (Ita)
[Postoperative deterioration of visual disturbance in the case of meningioma--brain tumor and papilledema] Ota T, et al. Brain Nerve (Tokyo) 22:807-12, Jul 70 (Jap)
[Visual disturbances and chiasmal findings of SMON] Imachi J, et al. Folia Ophthalmol Jap 22:294-304, May 71 (Jap)
[Ocular changes in SMON (subacute myelo-optico neuropathy)] Okuda K, et al. Folia Ophthalmol Jap 22:305-10, May 71 (Jap)
[Hyperostosis associated with osteoma of the frontal bone followed by interesting visual field disorder] Fukuda T, et al. Ophthalmology (Tokyo) 13:533-9, May 71 (Jap)
[Vision disorders during automobile driving after using hallucinogens] Retterstol N. Tidsskr Nor Laegeforen 91:1481-2, 10 Jul 71 (Nor)
[Intraocular hypertension in experimental hypobarism as a factor in hypermetropic visual accommodation disorders at high altitudes] Carapancea M, et al. Fiziol Norm Patol 17:235-9, 1971 (Rum)
[On maintenance of functional equilibrium of ocular accommodation and refraction in salt miners] Popescu MP, et al. Fiziol Norm Patol 17:151-60, 1971 (Rum)
[Mechanism of changes in certain functions of the visual analyzer under the effect of vibration] Chagelishvili AD. Gig Tr Prof Zabol 14:26-30, Nov 70 (Rus)
[Changes in the colorfield of vision in patients with arterial hypertension] Atonov DI, et al. Klin Med (Mosk) 48:53-60, Sep 70 (Rus)
[Association of an iris and lens coloboma with a concentric narrowing of the color visual field] Krivul'chak PK. Oftalmol Zh 25:226, 1970 (Rus)
[Causes of blindness and poor vision in workers at the Riga Industrial Training Center for the Society of the Blind] Flik LP. Vestn Oftalmol 5:75-7, 1970 (Rus)
[Post-traumatic hypothalamo-retinal syndrome] Novokhatskif AS, et al. Vestn Oftalmol 5:86-8, 1970 (Rus)
[The so-called empty sella turcica syndrome] Zozulia IuA, et al. Vopr Neirokhir 35:18-21, Mar-Apr 71 (Rus)
[Disorders in the function of the visual analyzer at remote periods following closed brain injuries] Mel'nikov PK. Zh Nevropatol Psikhiatr 70:962-4, 1970 (Rus)

FAMILIAL & GENETIC

The effects of parental consanguinity and inbreeding in Hirado, Japan. 3. Vision and hearing. Neel JV, et al. Hum Hered 20:129-55, 1970

OCCURRENCE

Jamaican optic neuropathy in immigrants to the United States. Carroll FD. Am J Ophthalmol 71:Suppl:261-5, Jan 71
Optometry in India: 1969. Grisham JD, et al. Am J Optom 47:928-37, Nov 70
Visual screen program for school age children. Shaterian ET. Am Orthopt J 21:120-6, 1971
Screening of pre-school children for ocular anomalies. I. Screening methods and their practicability at different ages. Oliver M, et al. Br J Ophthalmol 55:462-6, Jul 71
Visual acuity of a national sample (1958 Cohort) at 7 years. Alberman ED, et al. Dev Med Child Neurol 13:9-14, Feb 71
Results of vision screening at seven years in the Johns Hopkins Collaborative Perinatal Project. Caplan B, et al. Johns Hopkins Med J 128:261-4, May 71
[Eye changes in patients with a desire for eyeglasses] Kröner B, et al. Ber Dtsch Ophthalmol Ges 70:108-13, 1970 (Ger)
[Vision disorders in school children] Zaalishvili AA. Gig Sanit 36:110-2, 1971 (Rus)
[Participation of the ophthalmologist in the initial inspection of the young recruit] Vaĭnshteĭn BI, et al. Voen Med Zh 10:77-8, Oct 70 (Rus)
[Binocular vision disorders and their relation to state of health] Mafmulov VG. Vopr Okhr Materin Det 15:37-40, Oct 70 (Rus)
[Health and the physical development of school children in the towns of the Tul'sk region] Sarkisiants EE, et al. Zdravookhr Ross Fed 15:21-3, Mar 71 (Rus)

PHYSIOPATHOLOGY

Visual responses to subcortical stimulation in the visual and limbic systems. Adams JE, et al. Confin Neurol 32:158-64, 1970
Enhanced retinal responses without signs of optic nerve involvement. Feinsod M, et al. Doc Ophthalmol 29:201-11, 14 May 71
Neurophysiological studies on patients with hysterical disturbances of vision. Behrman J, et al. J Psychosom Res 14:187-94, Jun 70
The clinical characteristics of acquired color-vision defects. Linksz A. UCLA Forum Med Sci 8:583-92, 1969
[Kinetic perimetry] Brégeat P, et al. Arch Ophtalmol (Paris) 30:739-56, Oct 70 (Fre)
[Occipital visual evoked potentials in the normal subject and in ophthalmologic pathology] Jayle GE, et al. Rev Otoneuroophtalmol 43:77-82, Mar 71 (Fre)

PREVENTION & CONTROL

Congenital cataract: surgical and visual problems--two decades of developments. Moncreiff WF. Eye Ear Nose Throat Mon 49:270-4, Jun 70
Government and voluntary agencies in vision research. Kupfer C. Sight Sav Rev 40:189-92, Winter 70-71
[Effectiveness of mass therapeutic-preventive measures to control disorders of binocular vision and amblyopia in young children] Medved' LI. Oftalmol Zh 24:416-8, 1969 (Rus)

REHABILITATION

TV magnification for partially-sighted. Weed CA. Eye Ear Nose Throat Mon 50:199, Jun 71
Educational and vocational placement, and low-vision corrections in albinism. A report bases on 253 patients. Fonda G, et al. Sight Sav Rev 41:29-36, 1971
[Exercise sheets for rehabilitation of neutralization] Weiss JB. Bull Soc Ophtalmol Fr 68:236-8, Feb 68 (Fre)
[Magnifying glasses, telescopic glasses and magnifying-telescopic glasses, magnifying optical aids in persons with vision damages] Pape R. Z Allgemeinmed 47:111-3, 31 Jan 71 (Ger)
[Combination reading and writing device for people with extremely poor vision] Shatskiĭ BA, et al. Nov Med Priborostr 3:92-7, 1970 (Rus)

SURGERY

Indications for marginal myotomy and technique. Helveston EM, et al. Am J Ophthalmol 70:574-8, Oct 70

THERAPY

Clinical experience with the hydrophilic contact lens. Gruber E. Am J Ophthalmol 70:833-42, Nov 70
A simple method for widening restricted visual fields. Holm OC. Arch Ophthalmol 84:611-2, Nov 70
Setting the record straight. Franzblau SC. J Am Optom Assoc 41:825-7, Oct 70
[The myodesopsias. Therapeutic trial] Hervouet F, et al. Ann Ocul (Paris) 204:491-516, May 71 (Fre)
[Must we treat heterophoria without functional symptomatology?] Chevaleraud J, et al. Bull Soc Ophtalmol Fr 70:478-83, Apr 70 (Fre)
[Social ophthalmopediatrics. Early assistance to children with vision disorders and amphlyopia] De'Gennaro G. Riv Clin Pediatr 81:1343-50, Nov-Dec 68 (Ita)
[Classification of optical means for vision correction] Babchinitser MI, et al. Nov Med Priborostr 2:60-3, 1967 (Rus)
[Effectiveness of mass therapeutic-preventive measures to control disorders of binocular vision and amblyopia in young children] Medved' LI. Oftalmol Zh 24:416-8, 1969 (Rus)

VETERINARY

The functional significance of corneal distortion in marine mammals. Jamieson GS. Can J Zool 49:421-3, Mar 71
Visual system anomaly associated with albinism in the cat. Creel DJ. Nature (Lond) 231:465-6, 18 Jun 71
[Cerebrospinal angiopathy associated with visual disorders in pigs] Köhler H, et al. Dtsch Tieraerztl Wochenschr 78:1-5, 1 Jan 71 (Ger)
[Cerebrospinal angiopathy jointed with visual disorders in pigs] Köhler H, et al. Dtsch Tieraerztl Wochenschr 78:39-42, 15 Jan 71 (Ger)

VISION TESTS (E1)

On the optical measurement of corneal thickness. Ehlers N, et al. Acta Ophthalmol (Kbh) 49:65-81, 1971
Observations on vernier and stereo acuity with special reference to their relationship. Stigmar G. Acta Ophthalmol (Kbh) 48:979-98, 1970
A technique for visual appraisal of mentally retarded children. Lawson LJ Jr, et al. Am J Ophthalmol 72:622-4, Sep 71
Limitations of cover test in detecting strabismus. Romano PE, et al. Am J Ophthalmol 72:10-2, 30 Jul 71
Small targets in cross-cylinder astigmatic testing. Harwood LW. Am J Optom 48:153-5, Feb 71
Independence of Panum's near and far limits. Richards W. Am J Optom 48:103-9, Feb 71
Vision screening of young children. Lippmann O. Am J Public Health 61:1586-601, Aug 71
Visual screen program for school age children. Shaterian ET. Am Orthopt J 21:120-6, 1971
Binocular Amsler's charts. Lang J. Br J Ophthalmol 55:284-5, Apr 71
A test of visual responses in the newborn. Vehrs S, et al. Dev Med Child Neurol 12:772-4, Dec 70
The CFF in unilateral arm amputees. Aftanas MS, et al. Percept Mot Skills 32:881-2, Jun 71
Functional and organic visual defects: the differentiation in schoolchildren. Harcourt B. Proc R Soc Med 64:619-21, Jun 71
A graphic method for the determination of visual efficiency. Cebon L. Trans Aust Coll Ophthalmol 1:78-82, 1969
A method of evoking contour-specific scalp potentials by chromatic checkerboard patterns. Regan D, et al. Vision Res 11:173-6, Feb 71
[Cover test] Zoubekr. Cesk Oftalmol 26:309-14, Sep 70 (Cze)
[Graphic representation of dark adaptation] Sucs S. Brux Med 49:97-103, Feb 69 (Fre)
[Application to children of the visual exploration methods] Deithil S, et al. Bull Inst Natl Sante Rech Med 25:5-27, Jan-Feb 70 (Fre)
[Maturation of the visual evoked potential during the first year of life] Sole P, et al. Bull Mem Soc Fr Ophtalmol 82:129-35, 1969 (Fre)
[The threshold method in non-senile macular degenerescence] Zanen J, et al. Bull Mem Soc Fr Ophtalmol 82:466-78, 1969 (Fre)
[Influence of the spread between optotypes in the

measurement of visual acuity] Hermans G.
Bull Soc Belge Ophtalmol 155:457-64, Jun 70 (Fre)
[Indirect determination of the size of the retinal receptive fields in amblyopia with the aid of the Hermann grids. (Preliminary note)] Meur G, et al.
Bull Soc Belge Ophtalmol 150:615-22, 1968 (Fre)
[Study of the brightness perception threshold by the recording of visual evoked potentials] Bertrand JJ, et al. Bull Soc Ophtalmol Fr 70:619-32, May-Jun 70 (Fre)
[Preliminary note on changes in spatial localization during ocular movements] Déodati F, et al.
Bull Soc Ophtalmol Fr 69:208-11, Feb 69 (Fre)
[Skiascopy with cylinders. Its technic using the slotted skiascope] Lecaillon-Thibon B.
Bull Soc Ophtalmol Fr 70:396-406, Mar 70 (Fre)
[Ocular or general diseases discovered during an examination of visual acuity] Magnard P.
Bull Soc Ophtalmol Fr 70:519-24, Apr 70 (Fre)
[Value of the examination of the binocular visual field in ocular paralysis] Perdriel G, et al.
Bull Soc Ophtalmol Fr 69:1065-7, Dec 69 (Fre)
[Procedures for examining the stereoscopic sense] Perdriel G, et al.
Bull Soc Ophtalmol Fr 68:219-21, Feb 68 (Fre)
[Examination of binocular vision with polarized light, stereoscopic projector and the problem of tests] Pigassou R, et al.
Bull Soc Ophtalmol Fr 69:66-75, Jan 69 (Fre)
[Practical notes: presentation of vision tests] Pigassou R, et al.
Bull Soc Ophtalmol Fr 69:1015-25, Nov 69 (Fre)
[Technical notes. (Examination of the retinal correspondence, treatment of incomitant strabismus with prisms)] Pigassou-Albouy R, et al.
Bull Soc Ophtalmol Fr 70:351-8, Mar 70 (Fre)
[Test of near vision for young children and illiterates] Rossano R, et al.
Bull Soc Ophtalmol Fr 70:648-51, May-Jun 70 (Fre)
[Further experiments in the study of the action of anthocyanosides in scotoptometry] Buffler.
Rev Corps Sante Armees 11:831-42, Dec 70 (Fre)
[Study of the rapid action of anthocyanosides by scotoptometry in a selectoon center] Buffler.
Rev Corps Sante Armees 11:809-30, Dec 70 (Fre)
[Contriutions of psychological technics to visual disorder detection tests in 3 to 6-year-old children] Duché DJ, et al.
Rev Neuropsychiatr Infant 19:49-56, Jan-Feb 71 (Fre)
[Vision testing in young children] Dufour R.
Rev Otoneuroophtalmol 42:365-9, Nov 70 (Fre)
[Studies on the influence of multifocal glasses on ocular motility in target fixation] Decker W de, et al.
Albrecht von Graefes Arch Klin Ophthalmol 180:94-103, 1970 (Ger)
[Entoptical functional testing] Gernet H, et al.
Ber Dtsch Ophthalmol Ges 70:263-7, 1970 (Ger)
[Visual acuity with the reading chart at various distances from the eye] Monjé M, et al.
Ber Dtsch Ophthalmol Ges 70:291-3, 1970 (Ger)
[Report on the interpretation of the ophthalmologic examination of automobile drivers in view of the quality of the refraction studies] Spiecker HD.
Ber Dtsch Ophthalmol Ges 70:274-83, 1970 (Ger)
[First results of a preventive ophthalmologic examination in a large chemical factory] Thiel HL.
Ber Dtsch Ophthalmol Ges 70:446-8, 1970 (Ger)
[Statistical evaluation of visual acuity in owners of class 3 driving licenses] Gramberg-Danielsen B.
Klin Monatsbl Augenheilkd 157:273-80, Aug 70 (Ger)
[Some practical advice for serial tests in kindergartens using the stripping-test, E-hook and Wirth-fly] Jaeger W. Klin Monatsbl Augenheilkd 158:305-6, Feb 71 (Ger)
[A reliable "rapid" diagnostic method for deviations in binocular vision] Jonkers GH.
Klin Monatsbl Augenheilkd 158:96-103, Jan 71 (Ger)
[107 647 driver license candidates did not pass the vision test] Kaufmann G.
Klin Monatsbl Augenheilkd 157:589, Oct 70 (Ger)
[Modification of the Maddox-Wing test] Mehlhose F.
Klin Monatsbl Augenheilkd 158:103-8, Jan 71 (Ger)
[The use of light stripe tests in dense opacities in ocular media] Comberg D, et al.
Ophthalmologica 161:504-11, 1970 (Ger)
[Experiences on vision tests in automobile drivers] Spiecker HD.
Z Allgemeinmed 47:1104-7, 10 Aug 71 (Ger)
[Studies on psychophysiology of vision in relation to productivity and accident prevention in industrial workers. I. Visual ability and vision tests] Migliorino G. Ann Med Nav (Roma) 75:479-501, Sep-Oct 70 (Ita)
[Influence of aniseikonia and visual suppression in stereopsis] Viliani S, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1457-9, 1968 (Ita)
[Temporal variability of visual function] Gloria E, et al.
Boll Ocul 49:322-38, Jun 70 (Ita)
[Changes in binocular vision analyzed by using striated glasses on the Goldmann perimeter in oculomotory paralysis] Montaldi M, et al.
Boll Ocul 48:934-42, Dec 69 (Ita)
[Methods of evaluating visual function under reduced illumination. 2. A walking test and a tracing test] Oshima S.
Acta Soc Ophthalmol Jap 75:111-5, 20 Jan 71 (Jap)
[Hints on visual tests] Kogure F.
Ophthalmology (Tokyo) 13:90, Jan 71 (Jap)
[Efficiency of vision in drivers of mechanical vehicles] Czabańska E, et al.
Wiad Lek 23:1785-90, 15 Oct 70 (Pol)
[Improved campimetry] Ivanov VV.
Oftalmol Zh 26:71-2, 1971 (Rus)
[Contemporary methods of studying the sensory apparatus of binocular vision in concomitant strabismus and amblyopia] Klinka IV.
Oftalmol Zh 24:405-10, 1969 (Rus)
[Procedures and results of eye examinations in 1-4-year-old child] Khukhrina LP.
Vestn Oftalmol 1:80-4, Jan-Feb 70 (Rus)
[Practical management of sensorial tests in convergent strabismus] Norbis AL, et al.
Arch Oftalmol B Aires 45:468-72, Nov 70 (Spa)

HISTORY

The eye chart and Dr. Snellen. (Snellen H), Tannenbaum S. J Am Optom Assoc 42:89-90, Jan 71

INSTRUMENTATION

[Our experience with the examination of light sensation by nyctometer] Singer G.
Cesk Oftalmol 27:110-5, Mar 71 (Cze)
[New Lancaster devices] Weiss JB.
Bull Soc Ophtalmol Fr 68:233-6, Feb 68 (Fre)
[The examination on fitness for driving at darkness with the mesoptometer] Aulhorn E, et al.
Klin Monatsbl Augenheilkd 157:843-73, Dec 70 (Ger)
[Comparative measurements of antigmatisin using the cross cylinder and Biessels' simultaneous test] Rassow B, et al.
Klin Monatsbl Augenheilkd 157:263-9, Aug 70 (Ger)
[Two questions on presently available test charts for near-point and answers for them] Hirose I.
Folia Ophthalmol Jap 21:669-71, Oct 70 (Jap)
[Invertible vision tester] Inoue M.
Ophthalmology (Tokyo) 13:178, Feb 71 (Jap)
[Repeated visuscopy. Description of a new visuscopy target and chart for recording repeated observations] Brik M. Rev Bras Oftalmol 30:33-43, Mar 71 (Por)
[Instruments for measuring visual acuity] Afzenshtat LI, et al. Nov Med Priborostr 2:38-44, 1967 (Rus)
[Objective registration of ocular accommodation by scanning slit images reflected from the eye retina] Ananin VF, et al. Vestn Oftalmol 2:61-3, 1971 (Rus)
[Study of visual fields with the aid of successive images] Zhaboedov GD.
Vestn Oftalmol 4:44-50, 1970 (Rus)
[An instrument for testing visual acuity] Shostak VI, et al. Voen Med Zh 11:83, Nov 70 (Rus)

STANDARDS

Testing visual acuity. Caselato L.
Br J Ophthalmol 55:44-7, Jan 71
Do we really wish standardization of acuity testing? Vos JJ. Ophthalmologica 162:235-41, 1971

VISNA see under SCRAPIE (C1, C10, C15)

VISUAL ACUITY (G1)

see also related
FORM PERCEPTION (F1)
REFRACTION, OCULAR (E1)

Blurred visual stimuli. I. A method for producing blurred stimulus patterns. Krakau CE, et al.
Acta Ophthalmol (Kbh) 49:328-33, 1971
Recognition of the landolt ring as a function of its orientation. Nielsen VH.
Acta Ophthalmol (Kbh) 48:438-41, 1970
Comparative effects of vibration on monocular and binocular vision. Ohlbaum MK, et al.
Aerosp Med 42:36-41, Jan 71
Bilateral peripapillary staphyloma with normal vision. Caldwell JB, et al.
Am J Ophthalmol 71:Suppl:423-5, Jan 71
Geriatric optometry in an institutional setting. Cohen J.
Am J Optom 47:1014-20, Dec 70
The effect of viewing distance on the visual decrements associated with Gz vibration. Ohlbaum MK, et al. Am J Optom 48:298-306, Apr 71
Testing visual acuity. Caselato L.
Br J Ophthalmol 55:44-7, Jan 71
Visual acuity of the cat's eye and of neurones in the retina and the LGB. Wässle H.
Brain Res 31:371, 20 Aug 71
Visual acuity of a national sample (1958 Cohort) at 7 years. Alberman ED, et al.
Dev Med Child Neurol 13:9-14, Feb 71
Enhanced retinal responses without signs of optic nerve involvement. Feinsod M, et al.
Doc Ophthalmol 29:201-11, 14 May 71
Visual acuity and discrimination learning in the dolphin (Lagenorhynchus obliquidens). Spong P, et al.
Exp Neurol 31:431-6, Jun 71
Visual acuity of the killer whale (Orcinus orca). White DON, et al. Exp Neurol 32:230-6, Aug 71
Vision and driving: a report on research. Burg A.
Hum Factors 13:79-87, Feb 71
The visual effects of exposure to electroluminescent instrument lighting. Reynolds HN.
Hum Factors 13:29-40, Feb 71
Visual vibration response. Lee RA, et al.
J Appl Physiol 30:281-6, Feb 71
The visual acuity of the pigeon for distant targets. Blough PM. J Exp Anal Behav 15:57-67, Jan 71
Examination and reevaluation of prosthetic lenses employing an operant procedure for measuring subjective visual acuity in a retarded child. Macht J.
J Exp Child Psychol 10:139-45, Oct 70
Visual performance after preadaptation to colored lights. Cavonius CR, et al.
J Exp Psychol 83:359-65, Mar 70
A symposium on alternation of response. 3. Visual resolution, color, and performance. Nelson TM, et al.
J Gen Psychol 84:81-115, Jan 71
Orientation-specific effects of patterns of adapting light on visual acuity. Gilinsky AS.
J Opt Soc Am 58:13-8, Jan 68
Regional variations in the visual acuity for interference fringes on the retina. Green DG.
J Physiol (Lond) 207:351-6, Apr 70
Analysis of horizontal eye movements during visual pursuit. Reading VM.
J Physiol (Lond) 208:91P-92P, Jun 70
The results of my operations improving visual acuity of ectopia lentis. Varga B.
Ophthalmologica 162:98-110, 1971
Do we really wish standardization of acuity testing? Vos JJ. Ophthalmologica 162:235-41, 1971
Peripheral recognition thresholds for digits. Smith NC Jr. Percept Mot Skills 31:732, Dec 70
Laser interferometry in the evaluation of potential macular function in the presence of opacities in the ocular media. Green DG, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:629-37, May-Jun 71
A graphic method for the determination of visual efficiency. Cebon L.
Trans Aust Coll Ophthalmol 1:78-82, 1969
Visual acuity. Ogle KN.
UCLA Forum Med Sci 8:443-83, 1969
Dynamic visual acuity as an index of eye movement control. Barmack NH. Vision Res 10:1377-91, Dec 70
Visual recognition of isolated lower-case letters. Bouma H. Vision Res 11:459-74, May 71
Visual discriminations in the harbour seal Phoca vitulina, above and below water. Jamieson GS, et al.
Vision Res 10:1175-80, Nov 70
[Remarks on our optotypes] Casanovas J.
Arch Ophtalmol (Paris) 31:317-28, Apr 71 (Fre)
[Influence of the spread between optotypes in the measurement of visual acuity] Hermans G.
Bull Soc Belge Ophtalmol 155:457-64, Jun 70 (Fre)
[On peripheral visual acuity in the normal subject and amblyopic subject] Meur G, et al.
Bull Soc Belge Ophtalmol 150:694-700, 1968 (Fre)
[Ocular or general diseases discovered during an examination of visual acuity] Magnard P.
Bull Soc Ophtalmol Fr 70:519-24, Apr 70 (Fre)
[Visual acuity for moving objects in dependence on adaptation] Honegger H, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:1-11, 1970 (Ger)
[Training as a factor in instant adaptation and glare sensitivity on the recording nyctometer] Schmautz KH, et al.
Albrecht von Graefes Arch Klin Ophthalmol 182:127-33, 1971 (Ger)
[Studies on coordination disturbances of the eye with the aid of visual acuity for moving objects] Honegger H. Ber Dtsch Ophthalmol Ges 70:294-300, 1970 (Ger)
[Visual acuity with the reading chart at various distances from the eye] Monjé M, et al.
Ber Dtsch Ophthalmol Ges 70:291-3, 1970 (Ger)
[Relationship between daylight visual acuity and road traffic accident rate] Gramberg-Danielsen B.
Dtsch Med Wochenschr 96:1343-4, Aug 71 (Ger)
[Ophthalmological problems at automobile driving by night] Harms H.
Hefte Unfallheilkd 99:206-15, 1969 (Ger)
[Visual problems of motorists from the point of view of physics and light technics] Schober H.
Hefte Unfallheilkd 99:196-206, 1969 (Ger)
[Anomalous retinal correspondence and mesopic vision] Gligo D, et al.
Klin Monatsbl Augenheilkd 157:515-20, Oct 70 (Ger)
[Statistical evaluation of visual acuity in owners of class 3 driving licenses] Gramberg-Danielsen B.
Klin Monatsbl Augenheilkd 157:273-80, Aug 70 (Ger)
[Functional examination of the visual field using the visual acuity for moving objects] Honegger H, et al.
Klin Monatsbl Augenheilkd 157:801-6, Dec 70 (Ger)
[Influence of the axial error of antigmatic spectacle lenses on visual acuity] Reiner J.
Klin Monatsbl Augenheilkd 157:250-62, Aug 70 (Ger)
[Visual acuity for color differences without brightness difference] Hilz R, et al.
Vision Res 10:1393-8, Dec 70 (Ger)
[Dependance of visual acuity in eye pursuit movements

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

on the visual field luminance] Methling D.
Vision Res 10:535-41, Jul 70 (Ger)
[Recording and perception in diagnostic roentgenology] Salinger H.
Harefuah 77:447-9, 16 Nov 69 (Heb)
[Studies on psychophysiology of vision in relation to productivity and accident prevention in industrial workers. II. Correlation between the various aspects of visual capacity] Lunetta G.
Ann Med Nav (Roma) 75:502-44, Sep-Oct 70 (Ita)
[Studies on psychophysiology of vision in relation to productivity and accident prevention in industrial workers. I. Visual ability and vision tests] Migliorino G. Ann Med Nav (Roma) 75:479-501, Sep-Oct 70 (Ita)
[Studies on the visual acuity and the nystagmus. II. Studies on factors with which nystagmus influences to visual acuity and on relationships between nystagmus and EEG] Handa K.
Acta Soc Ophthalmol Jap 75:69-78, 10 Jan 71 (Jap)
[Effect of color contact lenses on visual function. 3. Changes of visual acuity of patients wearing the lenses at night] Ota Y, et al.
J Jap Contact Lens Soc 12:153-6, 1970 (Jap)
[Number of visual cones necessary in differentiating the optic target] Oe K.
Ophthalmology (Tokyo) 13:707-10, Jul 71 (Jap)
[Ophthalmologic study of the Indians of the Xingu area] Belfort Mattos R.
Arq Bras Oftalmol 33:33-43, 1970 (Por)
[Meaning of absolute gain in the treatment of strabismic ambiyopia] Brik M.
Rev Bras Oftalmol 29:363-70, Dec 70 (Por)
[Clinical aspects of subnormal vision. Definition, clinical concept and visual correction] Lima JV de.
Rev Bras Oftalmol 30:125-36, Jun 71 (Por)
[Instruments for measuring visual acuity] Aftenshtat LI, et al. Nov Med Priborostr 2:38-44, 1967 (Rus)
[Late period dynamics of visual acuity in strabismus after discontinuing treatment of ambiyopia] Kozbagarova SA. Oftalmol Zh 24:410-3, 1969 (Rus)
[Method and results of studying visual acuity and ocular refraction in preschool children] Utkin VF, et al. Oftalmol Zh 25:99-102, 1970 (Rus)
[Dynamics of restoration of visual acuity after the effect of intense light stimulus of short duration on the eye] Balashevich LI, et al.
Vestn Oftalmol 6:63-5, Nov-Dec 70 (Rus)
[Effect of antiglaucoma surgery on refraction and visual acuity] Gasparian EI.
Vestn Oftalmol 5:33-4, 1970 (Rus)
[Visual acuity of uncorrected myopic eyes] Iakimov BI. Vestn Oftalmol 2:63-5, 1971 (Rus)
[Procedures and results of eye examinations in 1-4-year-old child] Khukhrina LP.
Vestn Oftalmol 1:80-4, Jan-Feb 70 (Rus)
[An instrument for testing visual acuity] Shostak VI, et al. Voen Med Zh 11:83, Nov 70 (Rus)
[Dynamic and static visual acuity in aviation] Petrović M. Vojnosanit Pregl 27:524-6, Nov 70 (Cro)

DRUG EFFECTS

Visual-motor performance during lithium treatment--a preliminary report. Demers RG, et al.
J Clin Pharmacol 11:274-9, Jul-Aug 71
Lens findings in patients with myasthenia gravis on long-term treatment with oral anticholinesterases. Lieberman TW, et al.
Mt Sinai J Med NY 38:324-31, May-Jun 71
[Therapeutic use of phosphatides in retinal diseases. Preliminary communication on the behaviour of visual acuity in macular disease and retinitis pigmentosa] Weiss H, et al.
Klin Monatsbl Augenheilkd 158:278-85, Feb 71 (Ger)

RADIATION EFFECTS

Decrements in the visual acuity of rhesus monkeys (Macaca mulatta) as a delayed effect of occipital cortex irradiation. Graham ES, et al.
Radiat Res 45:373-83, Feb 71

VISUAL AIDS see under AUDIO-VISUAL AIDS

(I, L)

VISUAL CORTEX (A8, G1)

Diseases of the optic nerve, tracts and visual cortex: an annual review of the ophthalmological literature. Williams TD. Am J Optom 48:618-22, Jul 71 (19 ref.)
Influences of cortico-tectal and intertectal connections on visual responses in the cat's superior colliculus. Hoffmann KP, et al. Exp Brain Res 12:120-31, 25 Feb 71
The fortification illusions of migraines. Richards W. Sci Am 224:88-96, May 71
Visual discrimination of movement: midbrain or forebrain? Hamilton CR, et al.
Science 170:1428-30, 25 Dec 70
[Retinal and cortical evoked potentials in strabismic ambiyopic children] Corcelle L, et al.
Arch Ophtalmol (Paris) 29:187-92, Mar 69 (Fre)
[Trial of hyperbaric-oxygenation in ophthalmological therapy] Viallefont H, et al.
Bull Soc Ophtalmol Fr 69:227-31, Feb 69 (Fre)
[Influence of contrasts on visual evoked responses] Lesèvre N, et al.
Rev Neurol (Paris) 122:505-16, Jun 70 (Fre)
[Visual field in the diagnosis of optic tract disorders] Isayama Y.
Ophthalmology (Tokyo) 13:679-90, Jul 71 (Jap)
[Cortical blindness. Apropos of 2 cases] Fernández Martín F, et al.
Arch Neurobiol (Madr) 33:453-62, Oct-Dec 70 (Spa)

ABNORMALITIES

Visual system anomaly associated with albinism in the cat. Creel DJ. Nature (Lond) 231:465-6, 18 Jun 71

ANATOMY & HISTOLOGY

An anatomical study of converging sensory pathways within the cerebral cortex of the monkey. Jones EG, et al. Brain 93:793-820, 1970
A representation of the visual field in the caudal third of the middle tempral gyrus of the owl monkey (Aotus trivirgatus). Allman JM, et al.
Brain Res 31:85-105, 7 Aug 71
Subcortical projections from the visual cortex in the tree shrew (Tupaia glis). Harting JK, et al.
Brain Res 25:21-33, 8 Jan 71
Homotopic and nonhomotopic interhemispheric cortical projections in the squirrel monkey. Boyd EH, et al. Exp Neurol 32:256-74, Aug 71
Organization of subcortical projections of visual areas I and II in the rabbit. An experimental degeneration study. Giolli RA, et al. J Comp Neurol 142:351-75, Jul 71
Cortical visual areas in the grey squirrel (Sciurus carolinesis): a correlation between cortical evoked potential maps and architectonic subdivisions. Hall WC, et al. J Neurophysiol 34:437-52, May 71
Experimental-anatomical studies on the corticogeniculate and geniculocortical connections in the cat. Niimi K. J Physiol Soc Jap 32:559-60, Aug 70
A feature extractor for curvilinear patterns: a design suggested by the mammalian visual system. Fukushima K. Kybernetik 7:153-60, Sep 70
The fate of sensory impulses. 5. The visual pathways. Hewitt W. Nurs Times 67:982-4, 12 Aug 71
[The visual system of Zonotrichia leucophrys gambelii. Neurohistological studies on an experimental basis] Hartwig HG.
Z Zellforsch Mikrosk Anat 106:556-83, 1970 (Ger)

CYTOLOGY

The areas and layers of corticocortical terminations in the visual cortex of the Virginia opossum. Benevento LA, et al. J Comp Neurol 141:157-89, Feb 71
The effect of unilateral deprivation on visual centers in rats. Fifková E. J Comp Neurol 140:431-8, Dec 70
The termination of thalamo-cortical fibres in the visual cortex of the cat and monkey. Garey LJ.
J Physiol (Lond) 210:15P-17P, Sep 70
[The membrane limitans gliae superficialis of cat's visual cortex] Haug H.
Z Zellforsch Mikrosk Anat 115:79-87, 1971 (Ger)
[An electron microscopic study of the intertwined synapses in the visual region of the cortex] Vorob'eva TV. Zh Nevropatol Psikhiatr 70:545-50, 1970 (Rus)

DRUG EFFECTS

The effect of anaesthetics on the electroretinogram and the visually evoked response in the rabbit. Gerritsen BG. Doc Ophthalmol 29:289-330, 14 May 71
Effects of amphetamine upon relearning pattern and black-white discriminations following neocortical lesions in rats. Jonason KR, et al.
J Comp Physiol Psychol 73:47-55, Oct 70
Effect of anaesthetics upon visual responses of neurones in the cat's striate cortex. Lee BB.
J Physiol (Lond) 207:74P-75P, Apr 70
Effects of lysergic acid diethylamide (LSD25) on short-term memory in cat. Sterescu-Voianschi M, et al. Rev Roum Physiol 7:225-34, 1970
[Modifications of visual evoked potentials and induced photosensitivity by L.S.D. in Papio papio] Walter S, et al. Rev Neurol (Paris) 122:519-21, Jun 70 (Fre)
[Change in complex forms of conditioned reflexes caused by the application of lysergic acid diethylamide (LSD) and mescaline to the cortical ends of the auditory and visual analyzers] Alekseeva LA. Zh Vyssh Nerv Deiat 19:279-85, Mar-Apr 69 (Rus)

ENZYMOLOGY

Cholinergic activity in rats following enriched stimulation and training: direction and duration of effects. Brown CP.
J Comp Physiol Psychol 75:408-16, Jun 71

GROWTH & DEVELOPMENT

Development of the brain depends on the visual environment. Blakemore C, et al.
Nature (Lond) 228:477-8, 31 Oct 70
[Maturation of the visual system in chickens] Biozovski D. J Physiol (Paris) 62:Suppl 2:252, 1970 (Fre)
[The ultrastructure of the visual cortex during postnatal ontogenesis] Iakovleva NI.
Zh Nevropatol Psikhiatr 70:1191-7, 1970 (Rus)
[Comparative characteristics of the ultrastructure of visual cortex synapses during functional changes in the early postnatal period] Iakovleva NI, et al.
Zh Nevropatol Psikhiatr 71:428-37, 1971 (Rus)
[Differentiation of visual stimuli according to form in dogs during ontogenesis] Obraztsova GA, et al.
Zh Vyssh Nerv Deiat 21:529-37, 1971 (Rus)
[Evoked potentials in the cortical projection of a signal stimulus during the formation of a conditioned reflex in ontogenesis] Shiliagina NN.
Zh Vyssh Nerv Deiat 21:492-500, May-Jun 71 (Rus)

METABOLISM

Transneuronal transfer of radioactivity in the central nervous system. Grafstein B.
Science 172:177-9, 9 Apr 71

PATHOLOGY

Synapses and membranous bodies in experimental hypothyroidism. Cragg BG.
Brain Res 18:297-307, 3 Mar 70

PHYSIOLOGY

Some factors affecting the amplitude of averaged evoked potentials in man. Procházka M.
Act Nerv Super (Praha) 13:18-22, 1971
Thalamo-cortical rhythmicity during reversible visual deafferentation. Andersson S, et al.
Acta Physiol Scand 80:44A, Dec 70
Visual evoked responses in mentally retarded and nonretarded subjects. Galbraith GC, et al.
Am J Ment Defic 75:341-8, Nov 70
Acetylcholine and the epileptiform activity of chronically isolated cortex. II. Microelectrode studies. Spehlmann R. Arch Neurol 24:495-502, Jun 71
Spontaneous firing of single neurons of the cat visual cortex. Sanseverino ER, et al.
Arch Sci Biol (Bologna) 54:57-65, Jan-Mar 70
Statistical analysis of single neuron spontaneous discharge, in the cat visual cortex. Sanseverino ER, et al. Arch Sci Biol (Bologna) 54:66-76, Jan-Mar 70
Autokinesis and photic driving: their relationship to cortical excitability. Voth HM, et al.
Behav Neuropsychiatry 1:4-6, May 69
Acetylcholine and the synaptic transmission of specific impulses to the visual cortex. Spehlmann R, et al.
Brain 94:125-38, 1971
Acetylcholine and the synaptic transmission of non-specific impulses to the visual cortex. Spehlmann R. Brain 94:139-50, 1971
Modification of the visual cortex by experience. Blakemore C, et al. Brain Res 31:366, 20 Aug 71
Depth discrimination in rats following removal of visual neocortex. Braun JJ, et al.
Brain Res 20:283-91, 3 Jun 70
Eye movement potentials in the oculomotor and visual systems of the cat: a comparison of reserpine induced waves with those present during wakefulness and rapid eye movement sleep. Brooks DC, et al.
Brain Res 27:223-39, 2 Apr 71
Previous experiences as a factor of successful interocular transfer of visual pattern discrimination in split-brain cats. Buchtel E, et al.
Brain Res 24:558-9, 18 Dec 70
Tonic responses to steady diffuse illumination of the maintained neuronal discharge in the cat central visual pathways. Corazza R, et al.
Brain Res 27:241-50, 2 Apr 71
Simultaneous recordings from multiple single units in cat visual cortex. Fernald R, et al.
Brain Res 24:557, 18 Dec 70
Human visual evoked potentials (VEPs) to pattern stimuli. Jeffreys DA. Brain Res 31:369-70, 20 Aug 71
Why are trigger features of cortical neurones for both eyes so similar? Kuhnt U, et al.
Brain Res 31:372-3, 20 Aug 71
Cholinergic mechanism determines the occurrence of reward contingent positive variation (RCPV) in cat. Marczynski TJ. Brain Res 28:71-83, 16 Apr 71
Diffuse light input and quality of reward determine the occurrence of 'reward contingent positive variation' (RCPV) in cat. Marczynski TJ, et al.
Brain Res 28:57-70, 16 Apr 71
Neuronal correlates of stimulus orientation and retinal motion and their binocular interaction in the visual cortex of chronic cats. Noda H, et al.
Brain Res 24:558, 18 Dec 70
Simple and choice reaction times to lateralized visual stimuli in normal stimuli. Rizzolatti G, et al.
Brain Res 24:557-8, 18 Dec 70
Unit responses to visual stimuli in the cat's superior colliculus after removal of the visual cortex. Rizzolatti G, et al. Brain Res 24:336-9, 1 Dec 70
Facilitation of the direct cortical response of the visual

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

cortex in association with rapid eye movement during paradoxical sleep in the cat. Sato T.
Brain Res 26:415-9, 5 Mar 71

Cortical evoked potentials and behavioral reactivity to photic stimuli in freely moving rats. Schwartzbaum JS, et al. Brain Res 27:295-307, 2 Apr 71

Effects of striate cortex removals on visual discrimination. Weiskrantz L, et al.
Brain Res 31:376, 20 Aug 71

Interrelationships of evoked and slow potential responses. Small JG, et al.
Dis Nerv Syst 31:459-64, Jul 70

Comparative phase characteristics of induced and intrinsic alpha activity. Barlow JS, et al.
Electroencephalogr Clin Neurophysiol 30:1-9, Jan 71

Topological characteristics of the visual evoked response in man. Bourne JR, et al.
Electroencephalogr Clin Neurophysiol 30:423-36, May 71

Evoked cortical responses to patterned light flashes: effects of ocular convergence and accommodation. Harter MR, et al.
Electroencephalogr Clin Neurophysiol 30:527-33, Jun 71

Decreased post-synaptic inhibition in the visual cortex during flicker stimulation. Kuhnt U, et al.
Electroencephalogr Clin Neurophysiol 30:79-82, Jan 71

The visual evoked response obtained with an alternating barred pattern: rate, spatial frequency and wave length. May JG, et al.
Electroencephalogr Clin Neurophysiol 30:222-8, Mar 71

Some factors affecting the amplitude of averaged evoked potentials in man. Procházka M.
Electroencephalogr Clin Neurophysiol 30:276, Mar 71

Sensory restriction in the albino rat: photically evoked after-discharge correlates. Rhodes LE, et al.
Electroencephalogr Clin Neurophysiol 29:488-95, Nov 70

Cerebral visual evoked potentials in relation to EEG. Sato K, et al.
Electroencephalogr Clin Neurophysiol 30:123-38, Feb 71

Cortical and subcortical stimulation experiments on structures of the visual and acoustic system. Schaefer KP, et al.
Electroencephalogr Clin Neurophysiol 30:265-6, Mar 71

Signal characteristics of visual cortex and lateral geniculate during contralateral and ipsilateral photic stimulation. Trehub A.
Electroencephalogr Clin Neurophysiol 30:113-22, Feb 71

Effects of foveal prestriate and inferotemporal lesions on visual discrimination by rhesus monkeys. Cowey A, et al. Exp Brain Res 11:128-44, 1970

Neuronal responses in the visual cortex of awake cats to stationary and moving targets. Noda H, et al.
Exp Brain Res 112:389-405, 26 May 71

Binocular interaction in the visual cortex of awake cats. Noda H, et al. Exp Brain Res 112:406-21, 26 May 71

The origin of spontaneous, rhythmic potentials in the visual system of rats. Anderson KV, et al.
Exp Neurol 30:555-64, Mar 71

Differences in visually evoked responses in albino versus hooded rats. Creel DJ, et al.
Exp Neurol 29:298-309, Nov 70

Effect of septal and fimbrial stimulation on auditory and visual cortical evoked potentials in the cat. Golden GH, et al. Exp Neurol 30:389-402, Mar 71

Photically evoked responses in the visual system of rats exposed to continuous light. O'Steen WK, et al.
Exp Neurol 30:525-34, Mar 71

Role of visual cortex in interocular transfer in the cat. Sherman SM. Exp Neurol 30:34-45, Jan 71

Electroencephalogram potentials evoked by hemi-retinal stimulation. Biersdorf WR, et al.
Experientia 27:402-3, 15 Apr 71

Effect of anesthesia on visually evoked responses. Brazier MA. Int Anesthesiol Clin 8:103-28, Spring 70

ERG and VER with the synchronous detector. Fricker SJ. Int Ophthalmol Clin 9:935-69, Winter 69

Visual evoked responses in the newborn infant. Hrbek A. Int Ophthalmol Clin 9:1051-72, Winter 69

Human brain potentials and vision. Vaughan HG Jr.
Int Ophthalmol Clin 9:899-920, Winter 69

Posterior neodecortication in the rat: age at operation and experience. Bland BH, et al.
J Comp Physiol Psychol 69:345-54, Oct 69

Conditions for interhemispheric transfer of initially lateralized visual engrams in hooded rats. Burešová O, et al. J Comp Physiol Psychol 75:200-5, May 71

Visually evoked response in guinea pigs: strains compared. Creel DJ, et al.
J Comp Physiol Psychol 73:490-3, Dec 70

Further analysis of visual discrimination deficits following foveal prestriate and inferotemporal lesions in rhesus monkeys. Gross CG, et al.
J Comp Physiol Psychol 76:1-7, Jul 71

Function of striate and temporal cortex in the tree shrew. Killackey H, et al.
J Comp Physiol Psychol 74:Suppl 2:1-29, Jan 71

Avoidance conditioning in cats with striate and auditory cortex lesions and contrasting effects of peripheral blindness. Lubar JF, et al.
J Comp Physiol Psychol 76:26-30, Jul 71

Selective facilitation and inhibition of auditory and visual evoked responses during avoidance conditioning in cats. Saunders JG.
J Comp Physiol Psychol 76:15-25, Jul 71

Stimulus generalization within the geniculostriate system of the monkey. Schuckman H, et al.
J Comp Physiol Psychol 73:494-500, Dec 70

Synaptic proteins and axonal flow in the pigeon visual pathway. Cuénod M, et al.
J Neurochem 18:809-16, Jun 71

Single-unit responses to moving visual stimuli in middle suprasylvian gyrus of the cat. Dow BM, et al.
J Neurophysiol 34:47-55, Jan 71

Cortical visual areas in the grey squirrel (Sciurus carolinensis): a correlation between cortical evoked potential maps and architectonic subdivisions. Hall WC, et al. J Neurophysiol 34:437-52, May 71

Localization of visual patterns by neurons in cerebral cortex of the cat. Mandl G.
J Neurophysiol 33:812-26, Nov 70

Binocular interaction fields of single units in the cat striate cortex. Bishop PO, et al.
J Physiol (Lond) 216:39-68, Jul 71

The representation of three-dimensional visual space in the cat's striate cortex. Blakemore C.
J Physiol (Lond) 209:155-78, Jul 70

Geometrical illusions and the response of neurones in the cat's visual cortex to angle patterns. Burns BD, et al. J Physiol (Lond) 213:599-616, Mar 71

Using cortical evoked potentials to locate the centre of the visual field. Cooper GF, et al.
J Physiol (Lond) 210:90P-92P, Sep 70

A computer programme for simulating the neural networks of the retina and visual pathways. Goddard AM, et al. J Physiol (Lond) 216:13P-14P, Jul 71

Changes in pattern-evoked responses in man associated with the vertical and horizontal meridians of the visual field. Halliday AM, et al.
J Physiol (Lond) 208:499-513, Jun 70

Chromatic sensitivity and spatial organization of cat visual cortical cells: cone-rod interaction. Hammond P. J Physiol (Lond) 213:475-94, Mar 71

Receptive properties of centrifugal cells projecting to the pigeon retina. Holden AL.
J Physiol (Lond) 210:155P, Sep 70

The period of susceptibility to the physiological effects of unilateral eye closure in kittens. Hubel DH, et al.
J Physiol (Lond) 206:419-36, Feb 70

The release of gamma-aminobutyric acid during inhibition in the cat visual cortex. Iversen LL, et al.
J Physiol (Lond) 212:519-34, Jan 71

Striate and extra-striate origins of pattern-related visual evoked potential (VEP) components. Jeffreys DA. J Physiol (Lond) 211:Suppl:29P+, Dec 70

Phyletic studies of visual discrimination. Diamond LT.
J Physiol Soc Jap 32:544-5, Aug 70

Interaction of visual and nonvisual effects in lateral geniculate nucleus and area striata in primates. Doty RW. J Physiol Soc Jap 32:545-6, Aug 70

Binocular interaction in monkey visual cortex. Hubel HD. J Physiol Soc Jap 32:550, Aug 70

Neuronal linkage in cat visual cortex. Ito M.
J Physiol Soc Jap 32:550-1, Aug 70

Some particular responses of single units in the cat's striate cortex to light stimulation. Nikara T.
J Physiol Soc Jap 32:560-1, Aug 70

Functional properties of corticotectal fibers in the cat. Ogawa T. J Physiol Soc Jap 32:561-2, Aug 70

Relationship between the visual evoked response and the pontogeniculo-occipital spike during natural sleep in the cat. Sato T. J Physiol Soc Jap 32:688-9, 1970

Effects of light adaptation upon single unit activity in nonstriate area (18) of the cat. Suzuki TA.
J Physiol Soc Jap 32:564-5, Aug 70

Inhibition and disinhibition in the visual cortex of the cat. Watanabe S. J Physiol Soc Jap 32:568-9, Aug 70

Effects of pre-natal x-irradiation on the visual evoked potential in adult rabbits. Minamisawa T, et al.
J Radiat Res (Tokyo) 11:151-6, Sep-Dec 70

On the interactivity in the human visual cortex caused by specific and nonspecific inflows. Sato K, et al.
Kybernetik 7:60-72, Jun 70

Microtoposcopic investigation of the peristriate cortex of the squirrel monkey. DeMott DW.
Med Res Eng 10:17-21, Apr-May 71

Visual neurones for tracking moving targets. Collett T.
Nature (Lond) 232:127-30, 9 Jul 71

Cortical source locations of pattern-rolated visual evoked potentials recorded from the human scalp. Jeffreys DA. Nature (Lond) 229:502-4, 12 Feb 71

Central visual discharge time-locked with spontaneous eye movements in the cat. Lombroso CT, et al.
Nature (Lond) 230:464-7, 16 Apr 71

Is there lateral inhibition in the visual cortex? Coltheart M. Nature [New Biol] 231:256, 23 Jun 71

The effects of stationary retinal patterns upon the behaviour of neurons in the cat's visual cortex. Burns BD, et al. Proc R Soc Lond [Biol] 178:63-78, 15 Jun 71

Average evoked response and verbal correlates of unconscious mental processes. Shevrin H, et al.
Psychophysiology 8:149-62, Mar 71

Visual attention in the tree shrew: an ablation study of the striate and extrastriate visual cortex. Killackey H, et al. Science 171:696-9, 19 Feb 71

Superior colliculus: single unit responses to stimulation of visual cortex in the cat. Mellwain JT, et al. Science 170:1426-8, 25 Dec 70

How does the striate cortex begin the reconstruction of the visual world? Pollen DA, et al.
Science 173:74-7, 2 Jul 71

Shift in binocular disparity causes compensatory change in the cortical structure of kittens. Shlaer R.
Science 173:638-41, 13 Aug 71

Reticular stimulation and the light-adapted discharges of the visually evoked cortical response in cat. Suzuki TA, et al. Tohoku J Exp Med 103:269-83, Mar 71

Central visual discharge time-locked with spontaneous eye movements. Lombroso CT, et al.
Trans Am Neurol Assoc 95:277-8, 1970

Binocular stimulation and response variability of striate cortex units in the cat. Crawford ML, et al.
Vision Res 10:1145-53, Nov 70

Evoked cortical responses to checkerboard patterns: effect of check-size as a function of retinal eccentricity. Harter MR. Vision Res 10:1365-76, Dec 70

Visually evoked cortical responses to the on- and off-set of patterned light in humans. Harter MR.
Vision Res 11:685-95, Jul 71

Comparison of human visual cortical potentials evoked by stabilized and unstabilized targets. Keesey UT.
Vision Res 11:657-70, Jul 71

Spectral sensitivity of human visual evoked cortical potentials: a new method and a comparison with psychophysical data. Siegfried JB.
Vision Res 11:405-17, May 71

[Evoked potentials] Jorgensen EO.
Nord Med 85:248-9, 25 Feb 71 (Dan)

[Medical use of mean visual evoked potentials] Grall Y, et al. Ann Ocul (Paris) 203:995-1004, Nov 70 (Fre)

[Psychophysiological significance of the evoked visual response: influence of adaptation and wave length] Berard PV, et al.
Arch Ophtalmol (Paris) 31:119-36, Feb 71 (Fre)

[Clinical electrophysiology of the retina and the visual cortex] Perdriel G.
Arch Ophtalmol (Paris) 31:287-304, Mar 71 (Fre)

[Monocular deprivation of visual stimulation and development and metabolism of the retina and primary optic centers in the newborn animal] Maraini G, et al.
Bull Mem Soc Fr Ophtalmol 82:142-6, 1969 (Fre)

[Blindness in children and visual evoked potentials] Ravault MP, et al.
Bull Mem Soc Fr Ophtalmol 82:136-41, 1969 (Fre)

[Maturation of the visual evoked potential during the first year of life] Sole P, et al.
Bull Mem Soc Fr Ophtalmol 82:129-35, 1969 (Fre)

[Practical value of the study of visual evoked potentials] Rouher F, et al.
Bull Soc Ophtalmol Fr 68:432-43, Apr 68 (Fre)

[Reticular response to the visual stimulus and late component of the intracortical response of the visual area] Bonnet V, et al.
C R Acad Sci [D] (Paris) 272:1152-4, 22 Feb 71 (Fre)

[Pluriesensory examination of the limbic region in the cat. Role of the visual afferent nerves] Granier MR, et al. C R Soc Biol (Paris) 164:1577-82, 1970 (Fre)

[Effect of global irradiation on visual evoked potentials in adult rabbits] Avargues M, et al.
J Physiol (Paris) 1:Suppl 1:81, 1969 (Fre)

[Associative responses of the rat cortex] Hassmannová J, et al. J Physiol (Paris) 62:Suppl 3:387, 1970 (Fre)

[Detection of an influence of the visual cortex on the reaction modalities of geniculate cells in the cat] Kitsikis A, et al.
J Physiol (Paris) 1:Suppl 1:140, 1969 (Fre)

[Spontaneous and rhythms spindles of the cat primary visual area during different stages of wakefulness and sleep] Lanoir J, et al.
J Physiol (Paris) 62:Suppl 3:399+, 1970 (Fre)

[Relations between the lateral geniculate body and visual cortex in dogs during development] Mysliveček J, et al. J Physiol (Paris) 62:Suppl 3:420, 1970 (Fre)

[Influence of stimulation of the mesencephalic oculomotor areas on the response of visual cortex neurons to movement] Orban G, et al.
J Physiol (Paris) 62:Suppl 2:298-9, 1970 (Fre)

[Occipital visual evoked potentials in the normal subject and in ophthalmologic pathology] Jayle GE, et al. Rev Otoneuroophtalmol 43:77-82, Mar 71 (Fre)

[Photically and electrically evoked after-discharges in the visual cortex of rat prior to and following lesions in the visual system] Kohler M, et al.
Acta Biol Med Ger 26:697-710, 1971 (Ger)

[Various characteristics of evoked visual cortical potentials (VEP) in humans] Hellner KA, et al.
Ber Dtsch Ophthalmol Ges 70:584-7, 1970 (Ger)

[Information processing in the vertebrate visual system. II] Seelen W von.
Kybernetik 7:89-106, Jul 70 (Ger)

[The influence of colored-light stimulation on the visually evoked potentials (VEP) of the optic cortex in humans] Hellner KA, et al.
Ophthalmologica 161:512-34, 1970 (Ger)

[Systems analysis of optic-vestibular interaction in the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

perception of verticality] Bischof N, et al. Psychol Forsch 34:99-181, 1970 (Ger)
[Evoked potentials produced by discontinuous light stimuli in man. Gestalt theory of evoked potentials] Emrich H. Z Neurol 196:125-37, 1970 (Ger)
[The cycle of retino-cortical recovery in man] Bergamasco B, et al. Acta Neurol (Napoli) 24:445-54, May-Jun 69 (Ita)
[Changes of the evoked activity of the visual cortex induced by the caudate nucleus in the cat] Amato G, et al. Boll Soc Ital Biol Sper 46:951-4, 30 Nov 70 (Ita)
[Electrophysiological study of the "spontaneous" discharge of single neurons in the visual cortex of the non-anesthetized cat] Riva Sanseverino E, et al. Boll Soc Ital Biol Sper 45:1500-2, 15 Dec 69 (Ita)
[Quantitative study of the "spontaneous" electric activity of single neurons of the visual cortex of the non-anesthetized cat] Riva Sanseverino E, et al. Boll Soc Ital Biol Sper 45:1502-4, 15 Dec 69 (Ita)
[Electrically evoked response of the visual system (EER) in the rabbit] Inoue J, et al. Acta Soc Ophthalmol Jap 75:765-72, 20 Jan 71 (Jap)
[Analysis of some statistical characteristics of the neurons of the central region of the visual analyzer] Kogan AB, et al. Biofizika 14:567-71, May-Jun 69 (Rus)
[Algorithms for preliminary processing of signals in the visual analyzer] Petrov AA. Biofizika 16:512-9, May-Jun 71 (Rus)
[Control of afferentation dynamics at different levels of the visual system] Shevelev IA. Biofizika 16:330-6, Mar-Apr 71 (Rus)
[Regulation of cerebral circulation in cats] Benua NN, et al. Biull Eksp Biol Med 65:18-21, May 68 (Rus)
[The functional significance of a correlation of the biopotentials of the cerebral cortex] Livanov MN, et al. Biull Eksp Biol Med 63:14-9, Nov 67 (Rus)
[An electrophysiologic analysis of ascending influences from the anterior segments of the hypothalamus to the cerebral cortex in unanesthetized rabbits] Provodina VN. Biull Eksp Biol Med 67:10-3, Jun 69 (Rus)
[Extraprimary negative component of the visual potential] Ata-Muradova FA, et al. Dokl Akad Nauk SSSR 197:238-41, 1 Mar 71 (Rus)
[Evoked potential changes during different motivational reactions in rabbits] Kaliuzhnyĭ LV. Dokl Akad Nauk SSSR 189:674-7, Nov 69 (Rus)
[Conditioned-reflex differentiation of excitation mosaics caused by direct electric stimulation of the visual cortex] Kogan AB, et al. Dokl Akad Nauk SSSR 196:243-5, Jan-Feb 71 (Rus)
[Modelling of an adequate light signal by electric stimulation of the visual cortex] Kogan AB, et al. Dokl Akad Nauk SSSR 187:215-6, 1 Jul 69 (Rus)
[Corticofugal control of the neuronal activity of the external geniculate body] Lazareva NA, et al. Dokl Akad Nauk SSSR 196:990-2, 1 Feb 71 (Rus)
[Special inhibitory neurons in the visual cortex] Loseva TN, et al. Dokl Akad Nauk SSSR 194:1450-3, 1970 (Rus)
[Degree of indifference of the conditioned stimulus: light self stimulation] Myslobodskiĭ MS, et al. Dokl Akad Nauk SSSR 196:978-80, 1971 (Rus)
[A neurochemical analysis of the primary response of cats under nembutol anesthesia to light stimulation] Batuev AS, et al. Fiziol Zh SSSR 56:297-304, Mar 70 (Rus)
[Analysis of cortical evoked potentials with registration by layers] Batuev AS, et al. Fiziol Zh SSSR 56:516-26, Apr 70 (Rus)
[Binocular interaction in the rat visual cortex with changes in the time interval between monocular stimuli] Bianki VL, et al. Fiziol Zh SSSR 56:305-11, Mar 70 (Rus)
[Study of interneuronal connections by the reaction of 1 neuron to the micropolarization of another] Dumbaĭ VM, et al. Fiziol Zh SSSR 57:497-503, Apr 71 (Rus)
[Effect of electric stimulation on the interrelation of subcortical structures in monkeys] Kudriavtseva NN. Fiziol Zh SSSR 57:10-9, Jan 71 (Rus)
[Modal-specific influences of the primary sensory zone on the association area of the cerebral cortex] Narikashvili SP, et al. Fiziol Zh SSSR 56:1-12, Jan 70 (Rus)
[Changes in the postsynaptic potential and impulse activity of visual cortex neurons during light stimulation of varying intensity] Podvigin NF, et al. Fiziol Zh SSSR 57:194-201, Feb 71 (Rus)
[Study of the possibility of transmitting the image of an object to the visula cortex in the blind] Gudov VF, et al. Nov Med Priborostr 3:82-3, 1970 (Rus)
[Use of correlation function parameters as criteria of the functional state of the cerebral cortex] Gundarov VP, et al. Nov Med Priborostr 1:32-6, 1967 (Rus)
[Study of the interrelations of the sensorimotor and visual regions of the cerebral cortex by the method of cross-correlation analysis] Zhegalkina NG. Nov Med Priborostr 1:28-31, 1967 (Rus)
[Level of functional resistance in binocular summation] Kulieva ZT. Oftalmol Zh 25:209-11, 1970 (Rus)
[Study of the inductive processes of the visual analyzer during ascent in the barochamber] Zapol'skaia VD. Voen Med Zh 9:50-1, Sep 70 (Rus)
[Formation of specific reactions of visual cortex neurons during ontogenesis] Beteleva TG. Zh Vyssh Nerv Deiat 20:1239-47, Nov-Dec 70 (Rus)
[The impulse activity of visual cortex neurons during formation of a motor dominant] Bomshtein OZ. Zh Vyssh Nerv Deiat 21:609-12, 1971 (Rus)
[Cortical evoked responses to photic conditioned stimuli] Daurova FK. Zh Vyssh Nerv Deiat 20:529-36, Jul-Aug 70 (Rus)
[The frequency spectra of neuronal activity in different layers of the rabbit visual cortex upon laminar recording without the effect of afferent stimulation] Efremova TM, et al. Zh Vyssh Nerv Deiat 19:621-6, Jul-Aug 69 (Rus)
[Dynamics of the EEG and reactions of visual cortex neurons to a conditioned stimulus] Fadeev IuA. Zh Vyssh Nerv Deiat 20:555-62, Jul-Aug 70 (Rus)
[Evoked potential changes during elaboration of a food-getting conditioned reflex and some types of internal inhibition in rabbits] Kaliuzhnyĭ LV. Zh Vyssh Nerv Deiat 21:486-94, 1971 (Rus)
[Changes in neuronal impulse reactions and evoked responses of the rabbit visual cortex upon elaboration of conditioned reflexes] Kondrat'eva IN, et al. Zh Vyssh Nerv Deiat 20:1000-9, Sep-Oct 70 (Rus)
[Visual cortex neuron activity during association of sound with rhythmic light in rabbits] Kotliar BI, et al. Zh Vyssh Nerv Deiat 21:157-63, Jan-Feb 71 (Rus)
[Interval of excitation and co-excitation during superstrong stimuli of human analyzers] Makarov PO. Zh Vyssh Nerv Deiat 19:301-4, Mar-Apr 69 (Rus)
[The role of corticofugal influences in affecting the dominant and the conditioned reflex] Meshcherskiĭ RM. Zh Vyssh Nerv Deiat 16:14-8, Jan-Feb 66 (Rus)
[Interhemispheric interaction in rats during changes of the time interval between monocular stimuli] Moiseeva LA. Zh Vyssh Nerv Deiat 20:1307-9, Nov-Dec 70 (Rus)
[Amplitude relationships between primary response waves] Nemtsov AV. Zh Vyssh Nerv Deiat 21:149-56, Jan-Feb 71 (Rus)
[Dynamics of the form of evoked potentials during formation of a defensive conditioned reflex to an intermittent photic stimulus] Popova NS. Zh Vyssh Nerv Deiat 20:545-54, Jul-Aug 70 (Rus)
[Evoked potentials in the cortical projection of a signal stimulus during the formation of a conditioned reflex in ontogenesis] Shiliagina NN. Zh Vyssh Nerv Deiat 21:492-500, May-Jun 71 (Rus)
[Long lasting shifts of the steady potential in response to photic and electrical stimulation of non-specific brain structures] Shuranova ZhP. Zh Vyssh Nerv Deiat 16:62-6, Jan-Feb 66 (Rus)
[Inclusion of visual and association cortex neurons in a temporary connection in cats] Smetankin GN. Zh Vyssh Nerv Deiat 20:563-9, Jul-Aug 70 (Rus)
[The effect of the intensity of photic stimuli on the reaction of rabbit visual cortex neurons] Smirnov GD, et al. Zh Vyssh Nerv Deiat 19:627-34, Jul-Aug 69 (Rus)
[Evoked potential restoration cycles and cortical inhibition] Supin Ala. Zh Vyssh Nerv Deiat 20:450-8, Mar-Apr 70 (Rus)
[The relationship between the properties of the primary and secondary response of the visual cortex and the processes in the rod and cone apparatus of the retina] Val'tsev VB. Zh Vyssh Nerv Deiat 21:197-200, Jan-Feb 71 (Rus)
[The strychnine spike as a model for analysis of processes in the polysynaptic structures of the cerebral cortex] Val'tsev VB. Zh Vyssh Nerv Deiat 21:592-600, 1971 (Rus)
[Changes in sensory after-discharge to light during elaboration of a classic defensive conditioned reflex] Varga ME, et al. Zh Vyssh Nerv Deiat 20:975-81, Sep-Oct 70 (Rus)
[Hypersynchronous after-discharges and conditioned reflexes in rats] Varga ME, et al. Zh Vyssh Nerv Deiat 21:69-75, Jan-Feb 71 (Rus)
[Changes in the electrical activity of the visual and motor regions of the cerebral cortex during formation of motor reactions in children] Vladimirova G. Zh Vyssh Nerv Deiat 20:570-6, Jul-Aug 70 (Rus)
[The effect of visual deafferentation on the direct cortical response] Zislina NN, et al. Zh Vyssh Nerv Deiat 19:635-43, Jul-Aug 69 (Rus)

PHYSIOPATHOLOGY

Further observations upon the neurological mechanism of optokinetic nystagmus. Dix MR, et al. Acta Otolaryngol (Stockh) 71:217-26, Feb-Mar 71
Visually evoked responses in alternating strabismus. Franceschetti AT, et al. Am J Ophthalmol 71:1292-7, Jun 71
Serum calcium concentration and the average evoked response. Buchsbaum M, et al. Electroencephalogr Clin Neurophysiol 30:10-6, Jan 71
Visual evoked potentials of patients with epilepsy and of a control group. Lücking CH, et al. Electroencephalogr Clin Neurophysiol 29:557-66, Dec 70
Intelligence, EEG and visual evoked potentials in centrencephalic epilepsy. Needham WE, et al. Electroencephalogr Clin Neurophysiol 30:94, Jan 71
Somatosensory and visual evoked potentials in hyperthyroidism. Takahashi K, et al. Electroencephalogr Clin Neurophysiol 29:551-6, Dec 70
Visual evoked responses in normal and psychiatric subjects. Vasconetto C, et al. Electroencephalogr Clin Neurophysiol 31:77-83, Jul 71
Analysis of the visual evoked response by Synchronous Detector techniques. I. Patients with cataracts. Fricker SJ. Invest Ophthalmol 10:340-7, May 71
Neurophysiological studies on patients with hysterical disturbances of vision. Behrman J, et al. J Psychosom Res 14:187-94, Jun 70
The combined use of the macular electroretinogram (M-ERG) and the visually evoked responses (VER). Van Lith GH. Ophthalmologica 162:208-12, 1971
[Occipital visual evoked potentials in the normal subject and in ophthalmologic pathology] Jayle GE, et al. Rev Otoneuroophtalmol 43:77-82, Mar 71 (Fre)
[Study of visually evoked potentials and of the cortical recovery cycle in a pair of monochorionic twins with schizophrenic psychosis] Amabile GA, et al. Atti Accad Fisiocrit Siena [Med Fis] 17:845-51, 1968 (Ita)
[Effect of carbon monoxide on the evoked potential of the visual neurons] Katsura T. Nippon Ika Daigaku Zasshi 38:69-76, Apr 71 (Jap)
[VER diagnosis of congenital cataract] Tsutsui J, et al. Ophthalmology (Tokyo) 13:621-4, Jun 71 (Jap)
[Dynamics of neuron assemblies in the rat visual cortex during evoked convulsive discharges] Tambiev AE. Biull Eksp Biol Med 72:24-7, Jul 71 (Rus)
[Changes in the EEG and behavioral reactions at different degrees of hypoxia] Agadzhanian NA, et al. Zh Vyssh Nerv Deiat 21:176-83, Jan-Feb 71 (Rus)

RADIATION EFFECTS

Bilateral depression of photic evoked response from unilateral irradiation of the visual cortex. Caveness WF, et al. Electroencephalogr Clin Neurophysiol 29:412, Oct 70
Regional changes in brain catecholamines after proton irradiation of the striate cortex in the squirrel monkey. Hsu LL, et al. J Neurochem 18:1719-24, Sep 71
Effects of x-irradiation on evoked potentials from visual system in rabbits. Minamisawa T, et al. J Radiat Res (Tokyo) 11:127-33, Sep-Dec 70
Decrements in the visual acuity of rhesus monkeys (Macaca mulatta) as a delayed effect of occipital cortex irradiation. Graham ES, et al. Radiat Res 45:373-83, Feb 71
[Primary potentials in animals irradiated in the antenatal period] Ivanitskiĭ AM. Zh Vyssh Nerv Deiat 16:117-24, Jan-Feb 66 (Rus)

VISUAL FIELDS (E1, G1)

Pupillomotoric perimetry in psychogenic defects of the visual fields. Enoksson P, et al. Acta Ophthalmol (Kbh) 48:672-6, 1970
Chiasmal visual fields. Moller PM, et al. Acta Ophthalmol (Kbh) 48:678-84, 1970
Cataracts and open-angle glaucoma. The effect of cataract extraction on visual fields. Bigger JF, et al. Am J Ophthalmol 71:Suppl:335-40, Jan 71
Peripheral nasal field defects. LeBlanc EP, et al. Am J Ophthalmol 72:415-9, Aug 71
Waste motion. Potts AM. Am J Ophthalmol 71:942-3, Apr 71
Visual field changes related to disc cupping in glaucoma. Griffin JR. Am J Optom 47:715-9, Sep 70
Spatial characteristics of the border enhancement region in a flickering field. Remole A. Am J Optom 47:779-86, Oct 70
Eye-dependent and disparity adaptation to opposite visual-field rotations. Mack A, et al. Am J Psychol 83:352-71, Sep 70
Receptive field function in stimulus deprivation amblyopia. Flynn JT. Am Orthopt J 21:7-14, 1971
A simple method for widening restricted visual fields. Holm OC. Arch Ophthalmol 84:611-2, Nov 70
Visual fields in diabetic retinopathy. Wisznia KI, et al. Br J Ophthalmol 55:183-8, Mar 71
The Riddoch phenomenon revealed in non-occipital lobe lesions. Zappia RJ, et al. Br J Ophthalmol 55:416-20, Jun 71
A representation of the visual field in the caudal third of the middle tempral gyrus of the owl monkey (Aotus trivirgatus). Allman JM, et al. Brain Res 31:85-105, 7 Aug 71
Effects of frontal eye-field ablation on visual fields and on fixation in rhesus monkeys. Cowey A, et al. Brain Res 31:375-6, 20 Aug 71
Representation of the visual field in the superior colliculus of the grey squirrel (Sciurus carolinensis) and the tree shrew (Tupaia glis). Lane RH, et al. Brain Res 26:277-92, 5 Mar 71
Veridical and paradoxical interocular transfer of left-right mirror image discriminations. Starr BS. Brain Res 31:377, 20 Aug 71
A relation between visual field representation of rat lateral geniculate cells and conduction velocities of optic nerve fibers innervating them. Sumitomo I, et al. Brain Res 24:333-5, 1 Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Letters to the editor: Visual field defects in pregnancy. Allen JP. Can J Ophthalmol 5:299-301, Jul 70
Aetiology of field loss in chronic glaucoma. Lindsay A. Can J Ophthalmol 6:212-7, Jul 71
Visual hemifield differences in the perception of letters and contour orientation. White MJ. Can J Psychol 25:207-12, Jun 71
The deterioration of the visual field in glaucoma and the blood pressure. François J, et al. Doc Ophthalmol 28:70-132, 24 Jul 70
Visual field projection columns and magnification factors in the lateral geniculate nucleus of the cat. Sanderson KJ. Exp Brain Res 13:159-77, 1971
Absolute profile visual field studies with the Tubingen perimeter in normal subjects and in patients with early retinitis pigmentosa. Lindquist CW, et al. Eye Ear Nose Throat Mon 49:497-502, Nov 70
Vision and driving: a report on research. Burg A. Hum Factors 13:79-87, Feb 71
Stochastic properties of stabilized-image binocular rivalry alternations. Blake RR, et al. J Exp Psychol 88:327-32, Jun 71
Directed attention and maladaptive "adaptation" to displacement of the visual field. Canon LK. J Exp Psychol 88:403-8, Jun 71
Tilt aftereffects in central and peripheral vision. Muir D, et al. J Exp Psychol 85:165-70, Aug 70
Analysis of the organization and overlap of the visual fields in the compound eye of the honeybee (Apis mellifera). Wiitanen W, et al. J Gen Physiol 57:303-25, Mar 71
Nasotemporal overlap in visual field projected to lateral geniculate nucleus in the cat. Sanderson KJJ, et al. J Neurophysiol 34:453-66, May 71
Perception of white in a 10 degree field. Honjyo K, et al. J Opt Soc Am 60:1690-4, Dec 70
Flicker heterochromatic threshold-reduction factor with two or more flickering fields. Ikeda M. J Opt Soc Am 61:261-6, Feb 71
Theory of flicker and transient responses. I. Uniform fields. Kelly DH. J Opt Soc Am 61:537-46, Apr 71
Evoked potentials from the human scalp to visual half-field stimulation. Cobb WA, et al. J Physiol (Lond) 208:39P-40P, Jun 70
Using cortical evoked potentials to locate the centre of the visual field. Cooper GF, et al. J Physiol (Lond) 210:90P-92P, Sep 70
Changes in pattern-evoked responses in man associated with the vertical and horizontal meridians of the visual field. Halliday AM, et al. J Physiol (Lond) 208:499-513, Jun 70
Invariant features of spatial summation with changing locus in the visual field. Wilson ME. J Physiol (Lond) 207:611-22, May 70
The projected brain illusion. Du Mas FM, et al. J Psychol 78:115-8, May 71
Reduction or disappearance of visual after effect of movement in the absence of patterned surround. Day RH, et al. Nature (Lond) 230:55-6, 5 Mar 71
Right hemisphere specialization for depth perception reflected in visual field differences. Durnford M, et al. Nature (Lond) 231:394-5, 11 Jun 71
Word blindness with intact central visual fields. A case report. Goldstein MN, et al. Neurology (Minneap) 21:873-6, Sep 71
Device for measuring voluntary response time to peripherally placed stimuli. Kobrick JL, et al. Percept Mot Skills 30:255-8, Feb 70
Some influences of visual angle and retinal speed on measures of the spiral aftereffect. Williams MJ, et al. Percept Mot Skills 30:215-27, Feb 70
Foveal perceptive fields in the human visual system measured with simultaneous contrast in grids and bars. Spillmann L. Pfluegers Arch 326:281-99, 1971
Absence of adaptive modification in developing retinotectal connections in frogs after visual deprivation or disparate stimulation of the eyes. Jacobson M. Proc Natl Acad Sci USA 68:528-32, Mar 71
Effect of intravenous acetazolamide on relative arcuate scotomas and visual field in glaucoma simplex. Paterson G. Proc R Soc Med 63:865-9, Sep 70
Psychophysical invariants of achromatic colour vision. IV. Depth adjacency and simultaneous contrast. Lie I. Scand J Psychol 10:282-8, 1969
Visual patterned reflex present during hypothalamically elicited attack. Bandler R Jr, et al. Science 171:817-8, 26 Feb 71
Centrifugal effects in the avian retina. Miles FA. Science 170:992-5, 27 Nov 70
Visual field defects following cerebral angiography. Cullen JF. Trans Ophthalmol Soc UK 89:47-55, 1970
Visual field examination in the toxic and nutritional optic neuropathies. Friedmann AI. Trans Ophthalmol Soc UK 90:795-806, 1970
Visual field defects in retinal disease. Harrington DO. UCLA Forum Med Sci 8:485-512, 1969
Visual conspicuity, directed attention and retinal locus. Engel FL. Vision Res 11:563-76, Jun 71
Receptive field organization of cat optic nerve fibers with special reference to conduction velocity. Fukada Y. Vision Res 11:209-26, Mar 71
The relationship between response characteristics to flicker stimulation and receptive field organization in the cat's optic nerve fibers. Fukada Y, et al. Vision Res 11:227-40, Mar 71
Potentials related to visual field motions as compared to eye movement potentials in the cat's visual system. Jeannerod M, et al. Vision Res 11:161-5, Feb 71
Variation of the visual threshold with retinal location. I. The central 20 degrees of visual field. Kishto BN. Vision Res 10:745-61, Aug 70
Receptive fields of rat retinal ganglion cells. Partridge LD, et al. Vision Res 10:455-60, Jun 70
Time course of perception probability under prolonged testing at various eccentricities. Ronchi L. Vision Res 10:605-7, Jul 70
The nonius horopter. II. An experimental report. Shipley T, et al. Vision Res 10:1263-99, Nov 70
Projection of visual field on superior colliculus of ground squirrel (Citellus tridecemlineatus). Woolsey CN, et al. Vision Res 11:115-27, Feb 71
[Quantitative and qualitative evaluation of the defects of the visual field with a planimeter] Chmielewski J, et al. Ann Ocul (Paris) 203:1077-82, Dec 70 (Fre)
[Importance of subjective critical frequency of fusion for prognosis of glaucomatous visula field destruction] Kozousek V. Ann Ocul (Paris) 201:1126-40, Nov 68 (Fre)
[Detection, in the cat, of receptor fields of visual neurons by projecting images upon a stationary or moving television screen] Veraart C. Arch Int Physiol Biochim 78:576-7, Aug 70 (Fre)
[Kinetic perimetry] Brégeat P, et al. Arch Ophtalmol (Paris) 30:739-56, Oct 70 (Fre)
[Indirect determination of the size of the retinal receptive fields in amblyopia with the aid of the Hermann grids. (Preliminary note)] Meur G, et al. Bull Soc Belge Ophtalmol 150:615-22, 1968 (Fre)
[Atypical lesion of the visual fields in multiple sclerosis] Faggioni R, et al. Rev Otoneuroophtalmol 41:382-90, Nov 69 (Fre)
[Cerebral hemispheric dominance and simultaneous perception of verbal and non-verbal stimuli] Perret E, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:87-95, 1970 (Fre)
[Functional examination of the visual field using the visual acuity for moving objects] Honegger H, et al. Klin Monatsbl Augenheilkd 157:801-6, Dec 70 (Ger)
[The extension of accommodation phosphenes in the field of vision] Comberg D. Ophthalmologica 161:499-503, 1970 (Ger)
[Which visual field areas can one determine with the retinal vessels shadow figure?] Comberg D, et al. Ophthalmologica 162:140-5, 1971 (Ger)
[Study of the structure of visual fields by intermittent illumination of the eye in a frequency range between 33Hz and the flicker fusion frequency] Welpe. Vision Res 10:1457-69, Dec 70 (Ger)
[Ocular findings of organic mercury poisoning in Agano area] Mikuni M, et al. Acta Soc Ophthalmol Jap 74:1152-63, Sep 70 (Jap)
[Visual field in the diagnosis of optic tract disorders] Isayama Y. Ophthalmology (Tokyo) 13:679-90, Jul 71 (Jap)
[Visual field changes through direct opthalmoscopy] Tanganelli SP. Rev Bras Oftalmol 30:45-7, Mar 71 (Por)
[Changes in the colorfield of vision in patients with arterial hypertension] Atonov DI, et al. Klin Med (Mosk) 48:53-60, Sep 70 (Rus)
[Improved campimetry] Ivanov VV. Oftalmol Zh 26:71-2, 1971 (Rus)
[Campimetric method of determining fixation character] Kliuka IV, et al. Oftalmol Zh 25:91-3, 1970 (Rus)
[Association of an iris and lens coloboma with a concentric narrowing of the color visual field] Krivul'chak PK. Oftalmol Zh 25:226, 1970 (Rus)
[Significance of visual field data in the differential diagnosis of melanoblastoma of the choroid] Novokhatskif AS. Oftalmol Zh 25:333-7, 1970 (Rus)
[Peripheral limits of the color visual fields obtained under photopic conditions from healthy persons of different age groups] Zakharchenko VM. Oftalmol Zh 26:132-4, 1971 (Rus)
[Value of A. M. Vodovozov's water-loading campimetric test in the diagnosis of glaucoma] Martem'lanov IuF. Vestn Oftalmol 1:17-9, Jan-Feb 70 (Rus)
[Visual functions in some forms of secondary glaucoma] Savel'eva AI. Vestn Oftalmol 2:41-2, 1971 (Rus)
[Study of visual fields with the aid of successive images] Zhaboedov GD. Vestn Oftalmol 4:44-50, 1970 (Rus)

DRUG EFFECTS

Corticosteroid provocative testing. LeBlanc RP, et al. Invest Ophthalmol 9:946-8, Dec 70
[Visual field and dark adaptation after administration of contraceptives] Gössele I, et al. Klin Monatsbl Augenheilkd 158:856-61, Jun 71 (Ger)
[The visual field after administration of nicotinamide] Cappiello J, et al. Acta Neurol (Napoli) 25:457-61, Jul-Aug 70 (Ita)

HISTORY

The nonius horopter. I. History and theory. Shipley T, et al. Vision Res 10:1225-62, Nov 70
[The importance of Albrecht von Graefe's work on the examination of the visual field] (Graefe A von), Harms H. Albrecht von Graefes Arch Klin Ophthalmol 181:120-9, 1971 (Ger)

INSTRUMENTATION

[Experiences with a new apparatus for examination of the visual field (Friedmann's visual field analyser)] Fechner PU, et al. Klin Monatsbl Augenheilkd 158:561-73, Apr 71 (Ger)

VISUAL PERCEPTION (F1)

see also related
VISION (F1, G1)

Visually evoked potentials in patients with brain lesions with or without disturbances of consciousness. Bergström L, et al. Acta Neurol Scand 46:562-72, 1970
The effect of semicircular cana stimulation during tilting on the subsequent perception of the visual vertical. Stockwell CW, et al. Acta Otolaryngol (Stockh) 70:170-5, Sep 70
Effects on tachistoscopic perception from independent variation of word probability and of letter probability. Broadbent DE, et al. Acta Psychol (Amst) 35:1-14, Jan 71
Studies of visual backward masking and a model for the Crawford effect. Dodwell PC, et al. Acta Psychol (Amst) 32:31-47, Jan 70
Gestures and visual speech reception. Popelka GR, et al. Am Ann Deaf 116:434-6, Aug 71
Assessment of coding behavior of trainable retardates. Lucas MS. Am J Ment Defic 75:309-15, Nov 70
Two-way mirror for monitoring visual-motor match. Madden MV, et al. Am J Occup Ther 25:172, Apr 71
The influence of texture on brightness of subfusional intermittent photic targets. Bleck PC. Am J Optom 47:864-71, Nov 70
Monocular-binocular coordination vs. hand-eye dominance as a factor in reading performance. Brod N, et al. Am J Optom 48:123-9, Feb 71
The influence of a white noise on the reversibility of the Necker cube. Letourneau JE. Am J Optom 48:568-72, Jul 71
A technique for comparing human visual responses with a mathematical model for lightness. McCann JJ, et al. Am J Optom 47:845-55, Nov 70
Spatial characteristics of the border enhancement region in a flickering field. Remole A. Am J Optom 47:779-86, Oct 70
Metacontrast: the effects obtained with consecutively presented concentric disks and rings of different wavelengths. Walters JW. Am J Optom 47:634-40, Aug 70
Visual phenomenology in recently blind adults. Fitzgerald RG. Am J Psychiatry 127:1533-9, May 71
The perception of where a face or television "portrait" is looking. Anstis SM, et al. Am J Psychol 82:474-89, Dec 69
Surface lightness and cues for the illumination. Beck J. Am J Psychol 84:1-11, Mar 71
Imagery in associative learning and memory. Bolt M. Am J Psychol 84:246-52, Jun 71
Adaptation to uniocular image magnification after varying preadaptation activities. Epstein W. Am J Psychol 84:66-74, Mar 71
Selective perception and the number of alternatives. Gummerman K. Am J Psychol 84:173-9, Jun 71
Continuous tachistoscopic patterns reproduced without laterality effects. Harcum ER. Am J Psychol 82:504-12, Dec 69
The effect of acoustic confusability on visual search. Krueger LE. Am J Psychol 83:389-400, Sep 70
Effects of knowledge of results, feedback in relation to standards, and goals on reaction-time performance. Locke EA. Am J Psychol 81:566-74, Dec 68
Eye-dependent and disparity adaptation to opposite visual-field rotations. Mack A, et al. Am J Psychol 83:353-71, Sep 70
Stimulus-range, number of categories, and form of the category-scale. Marks LE. Am J Psychol 81:467-79, Dec 68
Visual horizontal-perception in relation to otolith-function. Miller EF 2d, et al. Am J Psychol 81:488-96, Dec 68
A control for ocular tracking in the demonstration of postretinal visual storage. Parks TE. Am J Psychol 83:442-4, Sep 70
Cerebral dysfunction and flicker-detection: the role of local adaptation. Parsons OA, et al. Am J Psychol 81:525-34, Dec 68
Acceleration of reversals of a Necker cube. Pelton LH, et al. Am J Psychol 81:585-8, Dec 68
Achievement as a criterion in perceptual organization. Rodwan AS. Am J Psychol 81:535-42, Dec 68
Minimal aversion-thresholds for brightness after light-

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

and dark-adaptation. Sullivan R.
Am J Psychol 81:581-5, Dec 68
Brightness matching in strabismic ambiyopia. Flynn JT, et al. Am Orthopt J 21:38-40, 1971
Mirror writing: its role in reading problems and practical suggestions in the management of these patients. Kambara GK. Am Orthopt J 21:110-9, 1971
Adaptation to altered visual-proprioceptive input in normals and schizophrenics. Ebner E, et al.
Arch Gen Psychiatry 24:367-71, Apr 71
Effects of unfamiliarity on the overt verbalisation and perceptual motor behaviour of nursery school children. Brown RI, et al.
Br J Educ Psychol 40:291-8, Nov 70
Brightness contrast and the perceptual scale. Treisman M. Br J Matl. Stat Psychol 23:205-24, Nov 70
Ecology, perceptual development and the Müller-Lyer illusion. Berry JW. Br J Psychol 59:205-10, Aug 68
A developmental study of afferent-reafferent integration. Connolly K, et al.
Br J Psychol 61:259-66, May 70
Difficulties in pictorial depth perception in Africa. Deregowski JB. Br J Psychol 59:195-204, Aug 68
Memory effects in cross-modal matching. Jones B, et al.
Br J Psychol 61:267-70, May 70
Binocular resolution and perception of race in the United States. Lent RH. Br J Psychol 61:521-33, Nov 70
Disinhibition and reminiscence. Mohan J.
Br J Psychol 59:277-9, Aug 68
Flashes in astronaut's eyes. Br Med J 2:726, 26 Jun 71
Plasticity of neuronal functions in the visual system. Adorjani C, et al. Brain Res 31:366-7, 20 Aug 71
Peripheral and central contributions to psychophysical spatial interactions in man. Fiorentini A, et al.
Brain Res 31:377, 20 Aug 71
Quantitative analysis of visual receptive fields of cells in pulvinar, late rails posterior and suprageniculate nuclei of the cat. Meulders M, et al.
Brain Res 31:372, 20 Aug 71
The relevance of natural stimulus patterns for sensory information processes. Ploog D.
Brain Res 31:353-9, 20 Aug 71
Perception of naturalistic stimuli in patients with focal brain lesions. Warrington EK.
Brain Res 31:370, 20 Aug 71
Effects of striate cortex removals on visual discrimination. Weiskrantz L, et al.
Brain Res 31:376, 20 Aug 71
Hedonic effects of uniformity in variety. Berlyne DE, et al. Can J Psychol 25:195-206, Jun 71
Visual processing and the use of redundant information in tachistoscopic recognition. Dick AO.
Can J Psychol 24:133-41, Jun 70
On the problem of selection in short-term visual (iconic) memory. Dick AO.
Can J Psychol 25:250-63, Jun 71
An analysis of transfer along a continuum. Mackintosh NJ, et al. Can J Psychol 24:362-9, Oct 70
A test of the set disruption interpretation of perceptual defense. Thompson AH, et al.
Can J Psychol 25:222-7, Jun 71
Individual differences in the visual pursuit behavior of neonates. Barten S, et al. Child Dev 42:313-9, Mar 71
The relationship betweenuditory and visual short-term memory and reading achievement. Dornbush RL, et al.
Child Dev 41:1033-44, Dec 70
Predictive versus perceptual responses to Piaget's water-line task and their relation to distance conservation. Ford LH Jr. Child Dev 41:193-204, Mar 70
Functions of visual imagery in the learning and concept formation of children. Hollenberg CK.
Child Dev 41:1003-15, Dec 70
Perceptual exploration in Israelihildren. Kugelmass S, et al. Child Dev 41:1125-31, Dec 70
Verbal factors in compensation performance and the relation between conservation and compensation. Larsen GY, et al. Child Dev 41:965-77, Dec 70
Labeling and imaging as aids to memory. Robinson JP, et al. Child Dev 42:641-4, Jun 71
Projective visual imagery as a function of age and deafness. Youniss J, et al. Child Dev 41:215-24, Mar 70
Short-term visual and auditory memory disorders after parietal and frontal lobe damage. Butters N, et al.
Cortex 6:440-59, Dec 70
A cross-modal investigation of spatial performances in patients with unilateral cerebral disease. Dee HL, et al. Cortex 6:261-72, Sep 70
Reading retardation and the information content of stimuli in paired associate learning. Gascon G, et al.
Cortex 6:417-29, Dec 70
Lateral preferences in the monkey. Gautrin D, et al.
Cortex 6:287-92, Sep 70
The visual evoked potentials in rabbits after rostropontine transection. Bohdanecký Z, et al.
Electroencephalogr Clin Neurophysiol 30:276, Mar 71
Readiness potential, vertex positive wave, contingent negative variation and accuracy of perception. McAdam DW, et al.
Electroencephalogr Clin Neurophysiol 30:511-7, Jun 71
Some factors affecting the amplitude of averaged evoked potentials in man. Procházka M.
Electroencephalogr Clin Neurophysiol 30:276, Mar 71
Drivers and road signs. Johansson G, et al.
Ergonomics 13:749-59, Nov 70
The effect of mixed visual contrast schedules on detection times for both free and horizontally structured visual search. Lovie AD, et al.
Ergonomics 13:735-41, Nov 70
The effects of vocal mediating responses on visual motor tasks with deaf and hearing children. Chovan WL, et al. Except Child 37:435-40, Feb 71
Visual perceptual skill, reading ability, and the young deaf child. Hartung JE. Except Child 36:803-8, Apr 70
Visual and auditory learning processes in normal children and children with specific learning disabilities. McGrady HJ Jr, et al.
Except Child 36:581-9, Apr 70
Effects of foveal prestriate and inferotemporal lesions on visual discrimination by rhesus monkeys. Cowey A, et al. Exp Brain Res 11:128-44, 1970
Binocular interaction in the visual cortex of awake cats. Noda H, et al. Exp Brain Res 112:406-21, 26 May 71
The cortical responses evoked by binocular visual perception under successive exposure of paired stimuli to the two eyes in human. Suda H, et al.
Fukushima J Med Sci 16:75-85, Dec 69
The electrical responses of human brain evoked by binocular visual stimulation. Suda H.
Fukushima J Med Sci 16:61-74, Dec 69
Developmental differences in the integration of picture series: effects of variations in object-attribute relationships. Kasdorf CA 3d, et al.
Hum Dev 13:188-200, 1970
How adults and children search and recognize pictures. Mackworth NH, et al. Hum Dev 13:149-77, 1970
Practie effectson a visual vigilance task with and without search. Colquhoun WP, et al.
Hum Factors 12:537-45, Dec 70
Effects of intermittent noise on the performance of a complex psychomotor task. Eschenbrenner AJ Jr.
Hum Factors 13:59-63, Feb 71
Blink coding for information display. Smith SL, et al.
Hum Factors 13:283-90, Jun 71
Perceptual narrowing during simulated pressure-chamber exposure. Weltman G, et al.
Hum Factors 13:99-107, Apr 71
The role of payoffs and signal ratios in criterion changes during a monitoring task. Williges RC.
Hum Factors 13:261-7, Jun 71
Visual response time changes in athletes during physical effort. Malomsoki J, et al.
Int Z Angew Physiol 29:65-72, 1970
Hemispheric cerebral dominance. Benton AL.
Isr J Med Sci 6:294-303, Mar-Apr 70 (28 ref.)
Effects of personality factors and increased eye movement on a size-matching measure of scanning. Haley GA. J Abnorm Psychol 77:303-7, Jun 71
Temporal stability of field dependence among hospitalized alcoholics. Jacobson GR, et al.
J Abnorm Psychol 76:10-2, Aug 70
Perceptual span in schizophrenia. Neale JM.
J Abnorm Psychol 77:196-204, Apr 71
Role of verbal intelligence in the field approach of selected groups of psychotics. Powell BJ.
J Abnorm Psychol 76:47-9, Aug 70
Speed of perceptual functioning in chronic nonparanoid schizophrenics. Yates AJ, et al.
J Abnorm Psychol 76:453-61, Dec 70
Vigilance performance under hypoxia. Cahoon RL.
J Appl Psychol 54:479-83, Dec 70
Human factors in operating systems related to delay and displacement of retinal feedback. Putz V, et al.
J Appl Psychol 55:9-21, Feb 71
Feedback factors in steering and tracking behavior. Smith KU, et al. J Appl Psychol 54:176-83, Apr 70
Sensory-feedback persistence in determining memory. Sussman H, et al. J Appl Psychol 54:503-8, Dec 70
Effects of target value and exposure duration on recall in a visual search task. Taub HA, et al.
J Appl Psychol 55:393-8, Aug 71
Reliability of individual tests of perception administered utilizing group techniques. Becker JT, et al. J Clin Psychol 27:36-7, Jan 71
Differences between field independent and field dependent persons on the Stroop Color-Word Test: a failure to replicate. Huckabee MW, et al.
J Clin Psychol 27:226, Apr 71
Posterior neodecortication in the rat: age at operation and experience. Bland BH, et al.
J Comp Physiol Psychol 69:345-54, Oct 69
Cholinergic activity in rats following enriched stimulation and training: direction and duration of effects. Brown CP.
J Comp Physiol Psychol 75:408-16, Jun 71
Conditions for interhemispheric transfer of initially lateralized visual engrams in hooded rats. Burešová O, et al. J Comp Physiol Psychol 75:200-5, May 71
Discriminability of facial regions used by the domestic chicken in maintaining the social dominance order. Candland DK. J Comp Physiol Psychol 69:281-5, Oct 69
Unilateral posterior cortical and unilateral colliculur lesions and visually guided behavior in the rat. Cooper RM, et al. J Comp Physiol Psychol 72:286-95, Aug 70
A discrete interpeduncuio-central tegmental region critical for retention of visual descrimination habits in the white rat. Craddock SN Jr, et al.
J Comp Physiol Psychol 76:39-50, Jul 71
Further analysis of visual discrimination deficits following foveal prestriate and inferotemporal lesions in rhesus monkeys. Gross CG, et al.
J Comp Physiol Psychol 76:1-7, Jul 71
Hypoxia and visually guided behavior in cats: effects of oxygen deprivation on differential brightness thresholds. Gunter R, et al.
J Comp Physiol Psychol 71:503-10, Jun 70
Function of striate and temporal cortex in the tree shrew. Killackey H, et al.
J Comp Physiol Psychol 74:Suppl 2:1-29, Jan 71
Imprinting: determining its perceptual basis in ducklings. Klopfer PH.
J Comp Physiol Psychol 75:378-85, Jun 71
Punishment for errors and visual-discrimination learning by monkeys with inferotemporal cortex lesions. Manning FJ.
J Comp Physiol Psychol 75:146-52, Apr 71
Cross-modal matching by young children. Milner AD, et al. J Comp Physiol Psychol 71:453-8, Jun 70
Visual perception in the retinal degenerate C3H mouse. Nagy ZM, et al.
J Comp Physiol Psychol 72:306-10, Aug 70
Pre- and posttrial temporal lobe seizures in monkeys and memory consolidation. Reitz SL, et al.
J Comp Physiol Psychol 74:179-84, Feb 71
Luminance and luminous flux discrimination in rats after early visual deprivation. Tees RC.
J Comp Physiol Psychol 74:292-7, Feb 71
Brainstem mechanisms underlying visually guided responses in the rhesus monkey. Thompson R, et al.
J Comp Physiol Psychol 74:479-512, Mar 71
Detection of luminance differences by the cat. Thorn F.
J Comp Physiol Psychol 70:326-34, Feb 70
Effect of irrelevent cues on discrimination acquisition and transfer in rats. Waller TG.
J Comp Physiol Psychol 73:477-80, Dec 70
Effects of different kinds of visual-motor discrimination training on learning to read words. Jensen NJ, et al. J Educ Psychol 61:90-6, Apr 70
Relations between perceptual and syntactic control in oral reading. Resnick LB.
J Educ Psychol 61:382-5, Oct 70
Rate of response as a visual social stimulus. Danson C, et al. J Exp Anal Behav 13:233-42, Mar 70
Development of the object concept as manifested in changes in the tracking behavior of infants between 7 and 20 weeks of age. Bower TG, et al.
J Exp Child Psychol 11:182-93, Apr 71
Recognition memory for pictures in preschool children. Brown AL, et al. J Exp Child Psychol 11:401-12, Jun 71
The influence of stimulus exposure on rated preference: effects of age, pattern of exposure, and stimulus meaningfulness. Faw TT, et al.
J Exp Child Psychol 11:339-46, Jun 71
Visual abilities and pattern preferences of premature infants and full-term neonates. Miranda SB.
J Exp Child Psychol 10:189-205, Oct 70
Emotional concomitants of visual mastery in infants: the effects of stimulus movement on smiling and vocalizing. Shultz TR, et al.
J Exp Child Psychol 10:390-402, Dec 70
The control of relative size by pictorial depth cues in children and adults. Wilcox BL, et al.
J Exp Child Psychol 11:413-29, Jun 71
Tracking errors amended without visual feedback. Angel RW, et al. J Exp Psychol 89:422-4, Aug 71
Energy integration in intersensory facilitation. Bernstein IH, et al. J Exp Psychol 86:196-203, Nov 70
Contextual effects in information integration. Birnbaum MH, et al. J Exp Psychol 88:158-70, May 71
Stochastic properties of stabilized-image binocular rivalry alternations. Blake RR, et al.
J Exp Psychol 88:327-32, Jun 71
Intermodality inconsistency of input and directed attention as determinants of the nature of adaptation. Canon LK. J Exp Psychol 84:141-7, Apr 70
Directed attention and maladaptive "adaptation" to displacement of the visual field. Canon LK.
J Exp Psychol 88:403-8, Jun 71
Visual performance after preadaptation to colored lights. Cavonius CR, et al.
J Exp Psychol 83:359-65, Mar 70
Relative effects of display mode and input function on tracking performance. Christ RE, et al.
J Exp Psychol 85:237-44, Aug 70
Processing symbolic information from a visual display: interference from an irrelevant directional cue. Craft JL, et al. J Exp Psychol 83:415-20, Mar 70
Magnitude estimations and category judgments of brightness and brightness intervals: a two-stage interpretation. Curtis DW.
J Exp Psychol 83:201-8, Feb 70
Time course of visual and auditory encoding. Dainoff MJ. J Exp Psychol 86:214-24, Nov 70
Radial and tangential movement directions as determinants of the haptic illusion in an L figure. Day RH, et al. J Exp Psychol 87:19-22, Jan 71
Amnesic effects in short-term memory. Ellis NR, et al.
J Exp Psychol 89:357-61, Aug 71
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J Exp Psychol 89:306-13, Aug 71
Clustering by visual shape in the free recall of pictorial stimuli. Frost N. J Exp Psychol 88:409-13, Jun 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Irrelevant item variety and visual search. Gordon IE, et al. J Exp Psychol 88:295-6, May 71
A choice reaction time test of ideomotor theory. Greenwald AG. J Exp Psychol 86:20-5, Oct 70
Knowledge of alternatives and perception of tachistoscopic stimuli. Gummerman K. J Exp Psychol 83:385-90, Mar 70
Processing of tactual and visual point stimuli sequentially presented at high rates. Hill JW. J Exp Psychol 88:340-8, Jun 71
Verbal expectancy and probability in two-choice reaction time. Hinrichs JV, et al. J Exp Psychol 88:367-71, Jun 71
Unimodal and multimodal sequential information processing in normals and retardates. Holden EA Jr. J Exp Psychol 86:181-5, Nov 70
Naming and decision processes in short-term recognition memory. Kirsner K, et al. J Exp Psychol 88:149-57, May 71
Short-term memory while shadowing: recall of visually and of aurally presented letters. Kroll NE, et al. J Exp Psychol 85:220-4, Aug 70
Judgmental model of the Ebbinghaus illusion. Massaro DW, et al. J Exp Psychol 89:147-51, Jul 71
Effect of m value on visual search. Organt GJ. J Exp Psychol 89:171-4, Jul 71
Effects of sight of the body and active locomotion in perceptual adaptation. Quinlan D. J Exp Psychol 86:91-6, Oct 70
Interfering images at sentence retrieval. Sasson RY. J Exp Psychol 89:56-62, Jul 71
Dark intervals as stimulus events and their effect on visual masking and time-intensity reciprocity. Schurman DL, et al. J Exp Psychol 85:278-87, Aug 70
Influence of imaged pictures and sounds on detection of visual and auditory signals. Segal SJ, et al. J Exp Psychol 83:458-64, Mar 70
Perceptual deficit due to division of attention between memory and perception. Shulman HG, et al. J Exp Psychol 88:171-6, May 71
Intertask delay as a parameter of perceptual deficit in divided attention. Shulman HG, et al. J Exp Psychol 88:439-40, Jun 71
Effects of an irrelevant auditory stimulus on visual choice reaction time. Simon JR, et al. J Exp Psychol 86:272-4, Nov 70
Reaction time to onset and offset of lights and tones: reactions toward the changed element in a two-element display. Simon JR, et al. J Exp Psychol 89:197-202, Jul 71
Perceptual-motor performance under rotation of the central field. Smothergill DW, et al. J Exp Psychol 87:64-70, Jan 71
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Regions of brightness and darkness in the sequential presentation of partially overlapping straight lines. Stanley G, et al. J Exp Psychol 88:314-8, Jun 71
Discrimination of succession in visual masking by retarded and normal children. Thor DH. J Exp Psychol 83:380-4, Mar 70
Effect of instructions on visual orientation. Wade NJ. J Exp Psychol 83:331-2, Feb 70
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Memory ensemble selection in human information processing. Williams JD. J Exp Psychol 88:231-8, May 71
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Configuration variables in visual discrimination learning. Nazzaro JN, et al. J Gen Psychol 85:45-50, Jul 71
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A symposium on alternation of response. IV. Other sensory accomplishments. Nelson TM, et al. J Gen Psychol 84:117-32, Jan 71
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A symposium on alternation of response. V. Conceptual problems. Nelson TM, et al. J Gen Psychol 84:133-77, Jan 71
Visual processing schema; a theory of perception. Tayal OP. J Gen Psychol 85:3-28, Jul 71
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Optokinetic nystagmus as a criterion of visual imagery. Graham KR. J Nerv Ment Dis 151:411-4, Dec 70
Performance on delayed response tasks by patients with parkinsonism. De Lancy Horne DJ. J Neurol Neurosurg Psychiatry 34:192-4, Apr 71
Human brightness perception near sharp contours. Davidson M, et al. J Opt Soc Am 61:530-6, Apr 71
Comparison of two measures of metacontrast. Flaherty TB, et al. J Opt Soc Am 61:828-30, Jun 71
Visual-perception models. Kornfeld GH, et al. J Opt Soc Am 61:811-20, Jun 71
Effects of surround luminance on perceptual latency. Matteson HH. J Opt Soc Am 60:1125-31, Aug 70
Visual resolution of two-bar patterns and square-wave gratings. Nachmias J. J Opt Soc Am 58:9-13, Jan 68
Symmetrical appearance of bright and dark Mach bands from an exponential illumination gradient. Whiteside JA, et al. J Opt Soc Am 61:958-61, Jul 71
Model of retinal receptive fields. Zaciu RC, et al. J Opt Soc Am 60:1528-30, Nov 70
A semantic differential study of the Yin-Yang symbol. Craddick RA, et al. J Pers Assess 35:338-43, Aug 71
A cross-cultural study on the strength of the Müller-Lyer illusion as a function of attentional factors. Davis CM, et al. J Pers Soc Psychol 16:403-10, Nov 70
Introversion-extraversion and figure-ground perception. Lindauer MS, et al. J Pers Soc Psychol 19:107-13, Jul 71
The representation of three-dimensional visual space in the cat's striate cortex. Blakemore C. J Physiol (Lond) 209:155-78, Jul 70
The orientation specificity of two visual after-effects. Blakemore C, et al. J Physiol (Lond) 213:157-74, Feb 71
Behavioural study of brain damage following profound hypoxia. Brierley JB, et al. J Physiol (Lond) 211:Suppl:48P+, Dec 70
Electrophysiological evidence for the existence of orientation and size detectors in the human visual system. Campbell FW, et al. J Physiol (Lond) 207:635-52, May 70
An electrophysiological measure of the psychophysical contrast threshold. Campbell FW, et al. J Physiol (Lond) 217:54P-55P, Aug 71
The visibility of transient changes of luminance. Rashbass C. J Physiol (Lond) 210:165-86, Sep 70
Phyletic studies of visual discrimination. Diamond LT. J Physiol Soc Jap 32:544-5, Aug 70
The relationship of figural after-effects and geometrical illusions to successive and simultaneous contrasts. Dreistadt R. J Psychol 75:123-34, May 70
The projected brain illusion. Du Mas FM, et al. J Psychol 78:115-8, May 71
Estimation as a function of density and contrast. Horne EP, et al. J Psychol 78:87-94, May 71
Education and susceptibility to the Muller-Lyer illusion among the Banyankole. Davis CM. J Soc Psychol 82:25-34, Oct 70
Responses mediating pictorial recognition. Deregowski JB. J Soc Psychol 84:27-33, Jun 71
Dogmatism and intolerance for sensory discrepancy. Houston BK. J Soc Psychol 80:245-6, Apr 70
Sentence familiarity as a factor in visual speech reception (lipreading) of deaf college students. Lloyd LL, et al. J Speech Hear Res 14:291-4, Jun 71
The relative contribution of visual and auditory components of speech to speech intelligibility as a function of three conditions of frequency distortion. Sanders DA, et al. J Speech Hear Res 14:154-9, Mar 71
Vision and sporting results. Gavriysky V. J Sports Med Phys Fitness 10:280-4, Dec 70
A digital tachystoscope. Dascalov IC. Med Biol Eng 8:423-4, Jul 70
Development of the brain depends on the visual environment. Blakemore C, et al. Nature (Lond) 228:477-8, 31 Oct 70
Visual neurones for tracking moving targets. Collett T. Nature (Lond) 232:127-30, 9 Jul 71
Use of two cerebral hemispheres to increase brain capacity. Dimond S, et al. Nature (Lond) 232:270-1, 23 Jul 71
Is the haptic Müller-Lyer a visual phenomenon? Frisby JP, et al. Nature (Lond) 231:463-5, 18 Jun 71
Colour and brightness preferences in monkeys. Humphrey N. Nature (Lond) 229:615-7, 26 Feb 71
Evoked vertex negativity associated with meaningful visual stimuli in children. Eisengart MA, et al. Neurology (Minneap) 20:405, Apr 70
Brief amnestic effects of spike wave discharges. Geller MR, et al. Neurology (Minneap) 20:380-1, Apr 70
Monocular and binocular responses to liminal and subliminal stimuli. Zingirian M, et al. Ophthalmologica 162:41-50, 1971
Fitting an image to the eye: a conceptual basis for preprocessing radiographs. Webber RL, et al. Oral Surg 37:831-7, Jun 71
Intersensory integration of selected spatial dimensions: extension to an adult sample. Abravanel E. Percept Mot Skills 32:479-84, Apr 71
Development of naming responses to meaningful nonverbal sounds. Bartholomeus BN, et al. Percept Mot Skills 32:195-204, Feb 71
Spatial orientation and visual discrimination. Becker JT. Percept Mot Skills 31:943-6, Dec 70
Response time to a first signal as a function of time relationship to a second signal and mode of presentation. Burns MM, et al. Percept Mot Skills 32:811-6, Jun 71
Minimum visual feedback processing time for amendment of an incorrect movement. Christina RW. Percept Mot Skills 31:991-4, Dec 70
Manifest anxiety, field dependency, and task performance. Dargel R, et al. Percept Mot Skills 32:383-93, Apr 71
Ellipse discrimination: a psychophysical task useful for studying incidental stimulation. Davis P, et al. Percept Mot Skills 32:95-7, Feb 71
Relationship of auditory and visual perceptual strengths to methods of teaching a paired-associate task to first graders. Denison JW. Percept Mot Skills 32:218, Feb 71
Visual-motor tasks at 3 and 4 years of age. Eckert HM. Percept Mot Skills 31:560, Oct 70
Tactual and visual concept identification. Fishkin SM, et al. Percept Mot Skills 31:715-23, Dec 70
Cancer and other disorders related to certain perceptual tests. George RW. Percept Mot Skills 30:155-61, Feb 70
Short-term visual restriction in visual and auditory discrimination. Gibby RG Jr, et al. Percept Mot Skills 30:15-21, Feb 70
Effects of shock on performance in visual backward masking. Greaves G, et al. Percept Mot Skills 31:534, Oct 70
Peripheral flicker fusion in psychiatric patients with EEG abnormality. Honigfeld G, et al. Percept Mot Skills 30:3-11, Feb 70
Perceptual categorization: factors influencing identification and reproduction of visual and auditory stimuli. Houck RL, et al. Percept Mot Skills 32:519-22, Apr 71
Perceptual categorization: a parallel between perceptual identification and serial learning. Houck RL, et al. Percept Mot Skills 32:578, Apr 71
Monitoring performance on visual and auditory displays. Jones TN, et al. Percept Mot Skills 30:235-8, Feb 70
Developmental course of temporal patterning in vision and audition. Klapper ZS, et al. Percept Mot Skills 32:547-55, Apr 71
Visual alertness in neonates: individual differences and their correlates. Korner AF. Percept Mot Skills 31:499-509, Oct 70
Relation of extent of temporal removals to closure and visuomotor factors. Lansdell H. Percept Mot Skills 31:491-8, Oct 70
Visual search in monkeys. Latto R. Percept Mot Skills 32:307-12, Feb 71
Effects of short-term sensory isolation upon stereoscopic size and distance. Lawson RB, et al. Percept Mot Skills 32:571-7, Apr 71
Factors affecting the operation of Kundt's rule. Lloyd VV. Percept Mot Skills 32:175-89, Feb 71
Interaction of arousal and task difficulty upon perceptual restriction. Long GM, et al. Percept Mot Skills 32:259-64, Feb 71
Perceptual-motor training and improvement in concentration in a Montessori preschool. McCormick CC, et al. Percept Mot Skills 32:71-7, Feb 71
Light deprivation and sensory reinforced behavior in chicks. Meyer ME, et al. Percept Mot Skills 32:802, Apr 71
Effects of angle, sex, and cue on adults' perception of the horizontal. Morris BB. Percept Mot Skills 32:827-30, Jun 71
Perceptual-motor survey of young adult mental retardates. Neeman RL, et al. Percept Mot Skills 31:1000, Dec 70
Modification of selected Bender designs and interpretation of the first graders' visual-perceptual maturation with implications for Gestalt theory. Pope P, et al. Percept Mot Skills 30:263-7, Feb 70
Note on the validity of the claim that final closure is related to reading achievement. Rusch RR. Percept Mot Skills 32:394, Apr 71
Fluctuations of perceptual organization and orientation: stochastic (random) or steady state (satiation)? Sadler TG, et al. Percept Mot Skills 31:739-49, Dec 70
Tactile-visual perception and cross-modal transfer. Schneiderman DZ. Percept Mot Skills 32:159-62, Feb 71
Intercorrelations among imagery tasks. Simpson WE, et al. Percept Mot Skills 32:249-50, Feb 71
Effectiveness of the Frostig program for visual perceptual training with Head Start children. Walsh JF, et al. Percept Mot Skills 32:944-6, Jun 71
Selection of visual dimensions by aphasics and non-aphasics. Wiig EH, et al. Percept Mot Skills 31:435-40, Oct 70
Influence on cortical responses to patterned flashes of contrast-depth and of the ratio between the combined light and dark areas. Rietveld WJ, et al. Pflugers Arch 322:235-49, 1971
Mechanisms involved in visual orientation constancy. Day RH, et al. Psychol Bull 71:33-42, Jan 69
Note on how to choose a visual noise mask. Haber RN. Psychol Bull 74:373-6, Nov 70
Comparison of normalization theory and neural enhancement explantation of negative aftereffects. Over R. Psychol Bull 75:225-43, Apr 71
Excitability cycles in central intermittency. Pöppel E. Psychol Forsch 34:1-9, 1970
Perceptual and linguistic encoding in recognition memory and paired-associate learning. Chenoweth EA, et al. Psychol Rep 28:963-6, Jun 71
Visual feature-analyzers and after-effects of tilt and curvature. Coltheart M. Psychol Rev 78:114-21, Mar 71
On perceptual clarity. Dodwell PC. Psychol Rev 78:275-89, Jul 71
The effect of prolonged cortical spreading depression

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

on consolidation of visual engrams in rats. Burešová O, et al. Psychopharmacologia 20:57-65, 1971
The effect of induced heart rate change and neuroticism on the resolution of temporally paired flashes. Boissonneault DR, et al. Psychophysiology 7:465-74, Nov 70
Mean heart rate predicted by task demand characteristics. Dahl H, et al. Psychophysiology 7:369-76, Nov 70
Differences in tracking skill and psychophysiological activation dynamics in children high or low in persistence in schoolwork. Dureman I, et al. Psychophysiology 7:95-102, Jul 70
Autonomic responses to affective visual stimulation. Hare R, et al. Psychophysiology 7:408-17, Nov 70
Some parameters of heart rate change: perceptual versus motor task requirements, noxiousness, and uncertainty. Jennings JR, et al. Psychophysiology 7:194-212, Sep 70
Habituation of the orienting response to multiple stimulus sequences. Lovibond SH. Psychophysiology 5:435-9, Jan 69
Classification without identification in visual search. Brand J. Q J Exp Psychol 23:178-86, May 71
Reproduction and recognition in short-term visual memory. Cohen RL, et al. Q J Exp Psychol 22:450-7, Aug 70
An aspect of perceptual organization involved in reading typed and handwritten words. Corcoran DW, et al. Q J Exp Psychol 22:526-30, Aug 70
The amount seen in brief exposures. Holding DH. Q J Exp Psychol 23:72-81, Feb 71
Retinal image or perceived features as determinants of error in geometric illusions? Horrell RI. Q J Exp Psychol 23:97-106, Feb 71
Adaptation to displaced vision: reafference is a special case of the cue-discrepancy hypothesis. Moulden B. Q J Exp Psychol 23:113-7, Feb 71
The influence of visual texture density gradients on relative distance judgements. Newman CV. Q J Exp Psychol 23:225-33, May 71
Stationary visual texture and the estimation of slant angle. Phillips RJ. Q J Exp Psychol 22:389-97, Aug 70
Static visual noise and the Ansbacher Effect. Stanley G. Q J Exp Psychol 22:43-8, Feb 70
Effect of prlonged tilt on visual orientation. Wade NJ. Q J Exp Psychol 22:423-39, Aug 70
The effect of overtraining on transfer between tasks involving the same stimulus dimension. Winefield AH, et al. Q J Exp Psychol 23:234-42, May 71
Effect of alcohol on auditory and visual time perception. Ehrensing RH, et al. Q J Stud Alcohol 31:851-60, Dec 70
A perceptual-motor development program's effect on visual perception and reading readiness of first-grade children. Lipton ED. Res Q Am Assoc Health Phys Educ 41:402-5, Oct 70
Studies in visual perception of architectural spaces and rooms. II. Judgments of open and closed space by category rating and magnitude estimation. Gärling T. Scand J Psychol 10:257-68, 1969
Studies in visual perception of architectural spaces and rooms. Gärling T. Scand J Psychol 10:250-6, 1969
Visuo-perceptive and visuo-motor performance of children with reading disabilities. Nielsen HH, et al. Scand J Psychol 10:225-31, 1969
On the nature of the perceptual speed factor. Werdelin I, et al. Scand J Psychol 10:185-92, 1969
On telling left from right. Corballis MC, et al. Sci Am 224:96-104, Mar 71
Eye movements and visual perception. Noton D, et al. Sci Am 224:35-43, Jun 71
The fortification illusions of migraines. Richards W. Sci Am 224:88-96, May 71
Techniques and apparatus for the study of visual perception. Gregory RL. Sci Progr 58:359-78, Autumn 70 (24 ref.)
Space perception in early infancy: perception within a common auditory-visual space. Aronson E, et al. Science 172:1161-3, 11 Jun 71
Visual phenomena noted by human subjects on exposure to neutrons of energies less than 25 million electron volts. Budinger TF, et al. Science 172:868-70, 21 May 71
Development behaviors: delayed appearance in monkeys asphyxiated at birth. Sechzer JA, et al. Science 171:1173-5, 19 Mar 71
Neural symbolic activity. Sekuler R, et al. Science 170:1236-8, 11 Dec 70
Illness-induced aversions in rat and quail: relative salience of visual and gustatory cues. Wilcoxon HC, et al. Science 171:826-8, 26 Feb 71
An aid in perceptual training. Scott EJ. Spec Educ 60:27, Mar 71
Effects noted from the use of the Frostig Training Program with trainable retardates. Hall SL, et al. Train Sch Bull (Vinel) 67:20-4, May 70
Central visual discharge time-locked with spontaneous eye movements. Lombroso CT, et al. Trans Am Neurol Assoc 95:277-8, 1970
Patterns of spatial integration in the detection of compound visual stimuli. Bagrash FM, et al. Vision Res 11:635-45, Jul 71
Induced changes in the perceived orientation of line segments. Bouma H, et al. Vision Res 10:333-49, Apr 70
Visual recognition of isolated lower-case letters. Bouma H. Vision Res 11:459-74, May 71
Sinusoidal current and perceived brightness. Broekhuijsen ML, et al. Vision Res 11:479-83, May 71
The influence of spatial intervals and thickness of lines of stimulus patterns on stabilized images. Cardu B, et al. Vision Res 11:671-7, Jul 71
Visual conspicuity, directed attention and retinal locus. Engel FL. Vision Res 11:563-76, Jun 71
Backward visual masking during direct brain stimulation in man. Galbraith GC, et al. Vision Res 10:911-5, Sep 70
Artificial movements of a stabilized image. Gerrits HJ, et al. Vision Res 10:1443-56, Dec 70
Ocular pursuit movement as a function of visual and proprioceptive stimulation. Jordan S. Vision Res 10:775-80, Aug 70
Wavelength-modulated light generator. Regan D, et al. Vision Res 11:43-56, Jan 71
Time course of perception probability under prolonged testing at various eccentricities. Ronchi L. Vision Res 10:805-7, Jul 70
A new type of lateral interaction in the human visual system. Shchadrin VE, et al. Vision Res 11:241-9, Mar 71
Extraretinal correction and memory for target position. Skavenski AA. Vision Res 11:743-6, Jul 71
Evidence of role of size-tuned mechanisms in increment threshold task. Thomas JP, et al. Vision Res 11:647-55, Jul 71
Territoriality and the establishment of dominance by means of visual cues in Pomacentrus jenkinsi (Pisces: Pomacentridae). Raza OA. Z Tierpsychol 26:825-45, Nov 69
[The role of velocity in the anticipation of visual movement] Bonnet C, et al. Annee Psychol 70:357-67, 1970 (Fre)
[Various observations on the visual integration of the 3 dimensions in space] Costermans J, et al. Annee Psychol 70:377-89, 1970 (Fre)
[Analysis of complex tasks by eye movements] Paillous J. Annee Psychol 70:487-504, 1970 (Fre)
[Perception of displacements and identity judgments in children of preschool age] Vurpillot E, et al. Annee Psychol 71:31-52, 1971 (Fre)
[Detection, in the cat, of receptor fields of visual neurons by projecting images upon a stationary or moving television screen] Veraart C. Arch Int Physiol Biochim 78:576-7, Aug 70 (Fre)
[Maturation of the visual evoked potential during the first year of life] Sole P, et al. Bull Mem Soc Fr Ophtalmol 82:129-35, 1969 (Fre)
[Study of the brightness perception threshold by the recording of visual evoked potentials] Bertrand JJ, et al. Bull Soc Ophtalmol Fr 70:619-32, May-Jun 70 (Fre)
[Preliminary note on changes in spatial localization during ocular movements] Désodati F, et al. Bull Soc Ophtalmol Fr 69:206-11, Feb 69 (Fre)
[Procedures for examining the stereoscopic sense] Perdriel G, et al. Bull Soc Ophtalmol Fr 68:219-21, Feb 68 (Fre)
[Study of the inter-hemispheric transfer of form or position of signal analysis in double brain monkeys] Beaubaton D, et al. J Physiol (Paris) 62:Suppl 3:343, 1970 (Fre)
[Phenomena of convergence at the level of certain visual units of the CNS in trout] Liège B, et al. J Physiol (Paris) 62:Suppl 3:405-6, 1970 (Fre)
[Unit activities evoked by luminous stimulation in different cortical regions in Papio papio] Menini C, et al. J Physiol (Paris) 62:Suppl 3:414-5, 1970 (Fre)
[Study in the isolated cat brain of visual receptor fields of pulvinar neurons and of the lateroposterior thalamic nucleus by posting static and moving pictures on a television screen] Veraart C, et al. J Physiol (Paris) 62:Suppl 3:459+, 1970 (Fre)
[Correlative study of eye and hand movements in a task of tracking stepped speed stimuli] Malvache N, et al. Lille Med 16:146-50, Jan 71 (Fre)
[Cerebral hemispheric dominance and simultaneous perception of verbal and non-verbal stimuli] Perret E, et al. Schweiz Arch Neurol Neurochir Psychiatr 107:87-95, 1970 (Fre)
[Interdependence of percepts and concepts as a primary differential diagnostic problem] Ahrens HJ, et al. Arch Psychol (Frankf) 122:259-79, Dec 70 (Ger)
[Endocrine system and blindness] Hollwich F, et al. Dtsch Med Wochenschr 96:363-8, 26 Feb 71 (Ger)
[Stereopsis, its importance in daily life, its presence in the normal eye and in strabismus] Hamburger FA. Klin Monatsbl Augenheilkd 159:163-4, Jul 71 (Ger)
[Stereopsis--a sensatio sui generis?] Piper HF. Klin Monatsbl Augenheilkd 159:164, Jul 71 (Ger)
[Relation of reaction time to the temporal sequence of optic stimuli] Täumer R, et al. Kybernetik 7:183-91, Nov 70 (Ger)
[The influence of colored-light stimulation on the visually evoked potentials (VEP) of the optic cortex in humans] Hellner KA, et al. Ophthalmologica 161:512-34, 1970 (Ger)
[Refraction and image quality of the frog's eye] Krueger H, et al. Pfluegers Arch 326:334-40, 1971 (Ger)
[A new theory about the velocity transposition phenomenon] Goeters KM. Psychol Forsch 34:253-82, 1971 (Ger)
[Interhemispheric transfer of two-choice discrimination in commissurotomized pigeons] Meier RE. Psychol Forsch 34:230-45, 1971 (Ger)
[General psychological studies on vigilance behavior] Müller G. Psychol Forsch 33:100-35, 1970 (Ger)
[Perceptual conditions in the evaluation of x-rays] Dalicho WA. Radiol Diagn (Berl) 10:525-7, 1969 (Ger)
[The differential perception of a Landolt C in different orientations during eye pursuit movements] Methling D. Vision Res 10:543-8, Jul 70 (Ger)
[Brightness contrast] Wässle H, et al. Vision Res 10:361-73, May 70 (Ger)
[Serial perception, actual origin, information integration and orientation reaction. II. Dimensional analysis of measures of skin resistance (GSR)] Laux L, et al. Z Exp Angew Psychol 17:266-76, 1970 (Ger)
[Circadian changes in choice reaction time] Pöppel E, et al. Z Exp Angew Psychol 17:537-99, 1970 (Ger)
[Recording and perception in diagnostic roentgenology] Salinger H. Harefuah 77:447-9, 16 Nov 69 (Heb)
[Biological significance of REM-sleep. Importance of rapid eye movements in causing the principally visual component of dreams] Buscaino GA. Acta Neurol (Napoli) 25:285-301, May-Jun 70 (Ita)
[Inter-modal learning in paranoid schizophrenics] Liggio F. Acta Neurol (Napoli) 25:382-91, May-Jun 70 (Ita)
[Geodetic findings and the curvature of visual space] Imbasciati A. Arch Psicol Neurol Psichiatr 31:212-50, May-Jun 70 (Ita)
[Movement of the stimulus and apparent tridimensionality. II] Farnè M, et al. Boll Soc Ital Biol Sper 46:747-9, 30 Sep 70 (Ita)
[Transformation stroboscopic movement as a method for measurement of the functional properties of "fragments" and "parts" in figural perception] Trombini G, et al. Boll Soc Ital Biol Sper 46:749-52, 30 Sep 70 (Ita)
[On the stroboscopic movement of transformation as a functional criterion of "independent" and "derived" structural properties] Trombini G, et al. Boll Soc Ital Biol Sper 47:116-9, 15 Mar 71 (Ita)
[Influence of ametropias on absolute and differential visual perception of light] Gastaldi GM. Minerva Oftalmol 12:29-43, Mar-Apr 70 (Ita)
[Behavior of central vision in flight-simulation states] Meineri G, et al. Riv Med Aeronaut Spaz 33:369-82, Jul-Sep 70 (Ita)
[Changes in the accelerative field in some common amusement-park devices and vehicles] Scano A. Riv Med Aeronaut Spaz 33:133-9, Jan-Mar 70 (Ita)
[Analytical study of visual-motor function in children with cerebral palsy--recognition and reconstruction] Shochi K. Jap J Psychol 42:55-66, Jun 71 (Jap)
[Visual agnosia and related subjects] Yonemura D. Ophthalmology (Tokyo) 13:671-8, Jul 71 (62 ref.) (Jap)
[Types of horizontal interactions providing normal vision of images moving along the retina (modelling of some human visual functions)] Bongard MM, et al. Biofizika 15:361-73, Mar-Apr 70 (Rus)
[Characteristics of the background activity of cat retina ganglia and lateral geniculate body neurons at various levels of constant light] Kostelianets NB, et al. Biofizika 15:931-4, Sep-Oct 70 (Rus)
[The functional organization of the neuron systems of the central division of the frog visual analyzer under the influence of strychnine] Choraian OG, et al. Biull Eksp Biol Med 65:8-10, 1968 (Rus)
[Excess in the impulse flow of neurons of the frog visual analyzer ensemble] Choraian OG. Dokl Akad Nauk SSSR 191:732-3, 1970 (Rus)
[Automata with normal and disordered behavior in experiments on selection with reinforcement] Glazunov NI, et al. Dokl Akad Nauk SSSR 197:1280-3, 21 Apr 71 (Rus)
[Mono- and binocular perception of the position of an object in the field of vision] Leushina LI. Dokl Akad Nauk SSSR 190:480-3, Jan 70 (Rus)
[Binocular interaction in the rat visual cortex with changes in the time interval between monocular stimuli] Bianki VL, et al. Fiziol Zh SSSR 56:305-11, Mar 70 (Rus)
[The local and diffuse projection of afferent systems in the cerebellar cortex] Fanardzhian VV, et al. Fiziol Zh SSSR 56:1523-30, Nov 70 (Rus)
[Functional reorganization of the receptive fields of the cat lateral geniculate body] Glezer VD, et al. Fiziol Zh SSSR 56:1539-45, Nov 70 (Rus)
[The reaction of cerebellar neurons to visual stimulation] Khanbabian MV. Fiziol Zh SSSR 56:339-44, Mar 70 (Rus)
[Action potential generation by frog tectum opticum dendrites] Luk'ianov AS. Fiziol Zh SSSR 56:1130-5, Aug 70 (Rus)
[Functional mobility of the visual analyzer] Shostak VI. Fiziol Zh SSSR 56:1310-2, Sep 70 (Rus)
[The effect of intensive disadaptive photostimulation

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

on the character of light sensitivity restoration in the human visual analyzer] Shostak VI, et al.
Fiziol Zh SSSR 56:558-62, Apr 70 (Rus)
[Method of determining the information-processing rate of the visual analyzer] Belostotskaia EM, et al.
Gig Sanit 35:66-9, Dec 70 (Rus)
[Physiological and hygienic evaluation of work performed under low-intensity colored light] Kamchatnov VP, et al.
Gig Tr Prof Zabol 14:16-9, Sep 70 (Rus)
[Functional condition of the visual and vestibular analyzers in workers exposed to small doses of ionizing radiation] Medvedovskaia TsP, et al.
Gig Tr Prof Zabol 14:44-6, Sep 70 (Rus)
[Effect of sudden changes in brightness on the functional condition of the visual analyzer] Zoz NI, et al. Gig Tr Prof Zabol 14:19-23, Sep 70 (Rus)
[Spatial analysis and poly-analyzer convergence in the monkey cerebral cortex] Egorova MP.
Nerv Sist 9:99-102, 1968 (Rus)
[Apparatus for studying the probability characteristics of human sense organs] Vladimirskif MS.
Nov Med Priborostr 3:78-81, 1970 (Rus)
[The location of evoked potentials to photic stimulation in the cerebral cortex] Belousova ZhA.
Zh Vyssh Nerv Deiat 19:707-9, Jul-Aug 69 (Rus)
[The effect of stage-by-stage splitting of the brain on interhemispheric analytic-synthetic activity and monohemispheric dominance] Bianki VL, et al.
Zh Vyssh Nerv Deiat 21:463-9, 1971 (Rus)
[The influence of the orienation reaction of the visual evoked potentials in the EEG's of school age children] Frid GM.
Zh Vyssh Nerv Deiat 20:1016-21, Sep-Oct 70 (Rus)
[The influence of motivation on the average level of asymmetry in the duration of the phases of the spontaneous EEG] Genkin AA, et al.
Zh Vyssh Nerv Deiat 21:576-84, 1971 (Rus)
[Disorders of higher visual functions due to infra-parietal lesion of the dominant or subdominant hemisphere in man] Kok EP.
Zh Vyssh Nerv Deiat 16:19-27, Jan-Feb 66 (Rus)
[Measurement of the recognition time for verbal stimuli using the reverse masking method] Kostandov EA, et al.
Zh Vyssh Nerv Deiat 20:1010-5, Sep-Oct 70 (Rus)
[Visual cortex neuron activity during association of sound with rhythmic light in rabbits] Kotliar BI, et al.
Zh Vyssh Nerv Deiat 21:157-63, Jan-Feb 71 (Rus)
[Perception neurons in fish and their properties] Loginov BV, et al.
Zh Vyssh Nerv Deiat 21:135-43, Jan-Feb 71 (Rus)
[Functional characteristics of neurons in the visual center of frogs in relation to the intensity of the photic stimulus] Mkrtycheva LI, et al.
Zh Vyssh Nerv Deiat 16:125-7, Jan-Feb 66 (Rus)
[Inclusion of visual and association cortex neurons in a temporary connection in cats] Smetankin GN.
Zh Vyssh Nerv Deiat 20:563-9, Jul-Aug 70 (Rus)
[The effect of the intesity of photic stimuli on the reaction of rabbit visual cortex neurons] Smirnov GD, et al. Zh Vyssh Nerv Deiat 19:627-34, Jul-Aug 69 (Rus)
[The relationship between the properties of the primary and secondary response of the visual cortex and the processes in the rod and cone apparatus of the retina] Val'tsev VB.
Zh Vyssh Nerv Deiat 21:197-200, Jan-Feb 71 (Rus)
[Changes in sensory after-discharge to light during elaboration of a classic defensive conditioned reflex] Varga ME, et al.
Zh Vyssh Nerv Deiat 20:975-81, Sep-Oct 70 (Rus)

DRUG EFFECTS

Changes in visual evoked potentials and in photosensitivity produced by LSD in Papio papio. Walter S, et al.
Electroencephalogr Clin Neurophysiol 30:253, Mar 71
Effect of anaesthetics upon visual responses of neurones in the cat's striate cortex. Lee BB.
J Physiol (Lond) 207:74P-75P, Apr 70
The effects of p-chiorophenylalanine on behavior. 3. Facilitation of brightness discrimination in satiated rasts. Stevens DA. Life Sci [I] 9:1127-34, 1 Oct 70
[The effect of nembutal on the electrical potentials of the retina and optic tract of cats evoked by a flickering light] Dulenko VP, et al.
Zh Vyssh Nerv Deiat 16:88-95, Jan-Feb 66 (Rus)

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(D10)

VITAL STATISTICS (N1)

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BIOMETRY (E5, H)
POPULATION GROWTH (I, N1)
RECORDS (N4)
SEX RATIO (G1)

A study of infant mortality form linked records: registration aspects. Chase HC.
Am J Public Health 60:2181-96, Nov 70
The nation's health. Br Med J 4:191-2, 24 Oct 70
A single index of mortality and morbidity. Sullivan DF.
HSMHA Health Rep 86:347-54, Apr 71
Vitil statistics of tea estates in Assam--1960 to 1968. Gilroy AB. Indian J Med Res 58:1290-6, Sep 70
A study on vital statistics in certain villages around rural health training centre Sarojini Nagar Lucknow. Raj B, et al. Indian J Med Res 59:137-44, Jan 71
Health statistics used in "errati numbers game". Appel JZ. J Med Assoc Ga 59:424-6, Nov 70
Some misuses of health statistics. Ludwig EG, et al.
JAMA 216:493-9, 19 Apr 71
A proposed new vital event numeration unitary system for developed countries. Linder FE.
Milbank Mem Fund Q 48:Suppl:77-87, Oct 70
Annual summary of vital statistics--1969. Wegman ME.
Pediatrics 47:461-4, Feb 71
Methods for measuring population change. A systems analysis summary. Linder FE.
Vital Health Stat 2:1-18, Mar 69
Report of the Twentieth Anniversary Conference of the United States National Committee on Vital and Health Statistics. Vital Health Stat 4:1-42, Sep 70
[New method of an epidemiological study of nativity and infant mortality] Beckers R.
Arch Belg Med Soc 26:573-88, Oct 68 (Fre)
[Demography and causes of death]
Bull Inst Nati Sante Rech Med 23:1451-75, Nov-Dec 68 (Fre)
[Causes of death: current statistics. 3d trimester 1970]
Bull Inst Nati Sante Rech Med 26:323-43, Jan-Feb 71 (Fre)
[Demographic situation of the districts of Franceville, Leconi and Moanda in the department of Haut-Ogooue (Gabon)] Hamono B, et al.
Med Trop (Mars) 31:215-24, Mar-Apr 71 (Fre)
[Improvement of the dependability of survey data from the psychological viewpoint] Heinemann L, et al.
Dtsch Gesundheitsw 25:1282-6, 6 Jul 70 (Ger)
[Study of vital statistics in California through the identification of Spanish surnames] Jackson EJ, et al.
Bol Of Sanit Panam 69:436-41, Nov 70 (Spa)
Public health-demographic synthesis of Spain in this century] De Salvador Moya E.
Rev Sanid Hig Publica (Madr) 44:811-9, Jul 70 (Spa)

HISTORY

Life and death in Shakespeare's London. Forbes TR.
Am Sci 58:511-20, Sep-Oct 70

STANDARDS

Why collect statistics? Alderson MR.
Lancet 2:1199, 5 Dec 70

VITALLIUM see under CHROMIUM-COBALT

ALLOYS (D1, D13)

VITAMIN A (D10, D11)

Late infantile metachromatic leucodystrophy. Effect of low vitamin A diet. Moosa A, et al.
Arch Dis Child 46:381-3, Jun 71
Tritiated thymidine labelling of the palatal processes of rat embryos with cleft palate induced by hypervitaminosis A. Nanda R.
Arch Oral Biol 16:435-44, Apr 71
Flavin-photosensitized reactions of retinol and stilbene. Gordon-Walker A, et al.
Biochem J 120:873-81, Dec 70
The partial structure of human plasma prealbumin and retinol-binding protein. Morgan FJ, et al.
Biochim Biophys Acta 236:798-801, 29 Jun 71
Characteristics of a vitamin A-transporting protein complex occurring in human serum. Peterson PA.
J Biol Chem 246:34-43, 10 Jan 71
Studies on the interaction between prealbumin, retinol-binding protein, and vitamin A. Peterson PA.
J Biol Chem 246:44-9, 10 Jan 71
Retinol analogues. I. Synthesis of acyclic analogues of retinoic acid. Augustyn OP, et al.
J Chem Soc [Org] 10:1878-84, 1971
Rates of formation and absorption of cerebrospinal fluid in mild chronic bovine hypervitaminosis A. Frier HI, et al. J Dairy Sci 53:1051-7, Aug 70
The structure of iso-anhydro vitamin A. Tsukida K, et al. J Vitaminol (Kyoto) 17:57-8, 10 Mar 71
Linkage of retinal to opsin. Hoffman RT, et al.
Nature [New Biol] 229:249-50, 24 Feb 71
Vitamin A and the synthesis of a lipid containing mannose in rat liver. Nutr Rev 29:67-9, Mar 71 (9 ref.)
Effect of solution environment on the absorption maxima of Schiff bases of retinal. Blatz PE, et al.
Photochem Photobiol 13:237-45, Mar 71
The photoisomerization of retinal. Kropf A, et al.
Photochem Photobiol 12:249-60, Oct 70
Studies of vitamin A-induced teratogenesis: effects on embryonic mesenchyme and epithelium, and on incorporation of H3-thymidine. Kochhar DM.
Teratology 1:299-310, Aug 68
[Luminescence and photoreactivity in the vitamin A series. Quantitative study] Lerner DA, et al.
Bull Soc Chim Fr 5:1968-74, May 70 (Fre)
[Oxidation of allylic alcohols related to vitamin A by horse liver alcohol dehydrogenase] Mani JC, et al.
C R Acad Sci [D] (Paris) 272:3210-3, 21 Jun 71 (Fre)
[Collective part of lunch in the daily vitamin intake] Heierli C. Int Z Vitaminforsch 40:844-7, 1970 (Ger)
[Interaction of retina and protein in visual substance] Suzuki T, et al.
Protein Nucleic Acid Enzyme (Tokyo) 16:813-21, Aug 71 (63 ref.) (Jap)
[Various changes in hair structure with different amounts of vitamin A in the diet] Runikhin IuA, et al.
Biull Eksp Biol Med 66:107-9, 1968 (Rus)
[Vitamin A requirements of athletes] Borisov IM.
Vopr Pitan 29:43-6, Nov-Dec 70 (Rus)

ADMINISTRATION & DOSAGE

Failure of a massive single oral dose of vitamin A to prevent deficiency. Pereira SM, et al.
Arch Dis Child 46:525-7, Aug 71
Controlled trial of fluoride in vitamin drops for prevention of caries in children. Hamberg L.
Lancet 1:441-2, 27 Feb 71
[Treatment of Mollusca contagiosa with vitamin A acid ointment] Steigleder GK.
Hautarzt 22:165, Apr 71 (Ger)
[Chemotherapy of inoperable bronchial carcinoma] Karrer K, et al. Prax Pneumol 25:220-30, Apr 71 (Ger)
[Results of a new therapy in psoriasis] Luger A, et al.
Z Haut Geschlechtskr 46:133-48, 1 Mar 71 (Ger)

ADVERSE EFFECTS

Hypervitaminosis A of the cat. Seawright AA, et al.
Adv Vet Sci Comp Med 14:1-27, 1970 (72 ref.)
Bone lesions in mild chronic bovine hypervitaminosis A. Gallina AM, et al.
Arch Exp Veterinaermed 24:1091-200, 1970
Vitamin A intoxication. Geipke PM.
Can Med Assoc J 104:533, 20 Mar 71
The use and abuse of vitamin A.
Can Med Assoc J 104:521-2, 20 Mar 71
Prevention of hypervitaminosis A by spironolactone and anabolic steroids. Tuchweber B, et al.
Int Z Vitaminforsch 40:575-84, 1970
Exostoseain hypervitaminotic A cats with optmal calcium-phosphorus intakes. Clk, et al.
J Small Anim Pract 11:553-61, Aug 70
Vitamin A content of the livers of huskies and some seals from Antarctic and subantarctic regions. Southcott RV, et al. Med J Aust 1:311-3, 6 Feb 71
Excessive dietary vitamin E: its alleviation of hypervitaminosis A and lack of toxicity. McCuaig LW, et al. Poult Sci 49:1050-1, Jul 70
[The acid phosphatase in the epithelium of the alveolar mucosa of the rat exposed to a deficiency and an excess of vitamin A] Franquin JC, et al.
Schweiz Monatsschr Zahnheilkd 81:363-71, Apr 71 (Fre)
[Problem of embryotoxicity of vitamin A] Seidler M.
Dtsch Tieraerztl Wochenschr 78:294-6, 15 May 71 (Ger)

ANALYSIS

Liver stores of vitamin A in a normal population dying suddenly or rapidly from unnatural causes in New York City. Underwood BA, et al.
Am J Clin Nutr 23:1037-42, Aug 70
Colorimetric determination of vitamin A with trichloroacetic acid. Bayfield RF.
Anal Biochem 39:282-7, Feb 71
3H-Vitamin A and rat thyroid: autoradiographic observations. Sherman BS.
Experientia 26:1355-6, 15 Dec 70
A micro method of estimation of retinal & 3-dehydroretinal with 2,4-dinitrophenylhydrazine. John J, et al. Indian J Biochem 7:138, Jun 70
Loss of vitamins and nutritional studies. Heierli C. Int Z Vitaminforsch 40:515-8, 1970
The occurrence of some C19 steroids and vitamin A in boar testis. Booth WD. J Reprod Fertil 23:533-4, Dec 70
3H-vitamin A and rat skin. Autoradiographic observations. Sherman BS.
J Vitaminol (Kyoto) 16:259-62, 10 Dec 70
Implications of torsional potential of retinal isomers for visual excitation. Honig B, et al.
Nature (Lond) 229:558-60, 19 Feb 71
Vitamin A: concentration in the rat liver Golgi apparatus. Nyquist SE, et al.
Science 173:939-41, 3 Sep 71
Distribution of vitamins A1 and A2 in the retinas of some marine fishes from the Gulf of California. Ali MA, et al. Vision Res 10:1307-10, Nov 70
[Vitamin A requirements of swine. 2. Vitamin A content of the liver in stillborn and suckling piglets] Dannenberg HD.
Arch Exp Veterinaermed 24:309-24, 1970 (Ger)
[Vitamin A requirements of swine. 4. The vitamin A content of the liver of slaughtered swine and its relation to fattening] Dannenberg HD.
Arch Exp Veterinaermed 24:439-49, 1970 (Ger)
[Vitamin A requirements of swine. 3. Vitamin A

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

content of the liver in different groups of piglets and its relationship to hemoglobin levels] Dannenberg HD. Arch Exp Veterinaermed 24:425-38, 1970 (Ger)
[Vitamin A and E determinations in slaughter pigs] Behrens H.
Dtsch Tieraerztl Wochenschr 78:153-6, 1 Mar 71 (Ger)
[Vitamin A content in the liver of various free living animals. 1] Schulze H, et al.
Dtsch Tieraerztl Wochenschr 77:565-7, 1 Nov 70 (Ger)
[Studies on the vitamin A level in the liver and serum of cattle in their relationship to the photography of the fundus of the eye] Müller A, et al.
Zentralbl Veterinaermed [A] 17:652-62, Aug 70 (Ger)

ANTAGONISTS & INHIBITORS

Effect of calcitonin on vitamin A-induced changes in bone in the rat. Matrajt-Denys H, et al.
Endocrinology 88:129-37, Jan 71

BIOSYNTHESIS

Failure to demonstrate retinyl palmitate hydrolase in rat liver. Yeung DL, et al.
Am J Clin Nutr 24:172-3, Feb 71

BLOOD

Correlation between plasma levels of vitamin A and proteins in children. Kothari LK, et al.
Am J Clin Nutr 24:510-2, May 71
Effects of oral contraceptives on human plasma vitamin-A levels. Gal I, et al.
Br Med J 2:436-8, 22 May 71
Plasma vitamin A assay by fluorometry and use of a silicic acid column technique. Garry PJ, et al.
Clin Chem 16:766-72, Sep 70
Australian dietary surveys with special reference to vitamins. Woodhill JM.
Int Z Vitaminforsch 40:520-40, 1970
Association of plasma or liver vitamin A concentrations with the occurrence of parotid duct metaplasia or of ocular papilledema in Holstein male calves. Eaton HD, et al. J Dairy Sci 53:1775-9, Dec 70
Nutritional status of preschool children: plasma vitamin A. Owen GM, et al. J Pediatr 78:1043-4, Jun 71
[Blood fibrinogen and vitamin A in coronary disease] Raskin IM, et al.
Vopr Med Khim 16:600-2, Nov-Dec 70 (Rus)

ISOLATION & PURIFICATION

[Photometric determination of several fat-soluble vitamins (A,D3,K3) in the presence of each other] Bączyk S, et al. Mikrochim Acta 6:1306-11, 1970 (Ger)

METABOLISM

Liver stores of vitamin A in normal population dying suddenly or rapidly from unnatural causes in New York City. Underwood BA, et al.
Am J Clin Nutr 23:1037-42, Aug 70
Formation of retinoic acid from retinol in the kidney. Kleiner-Bössaler A, et al.
Arch Biochem Biophys 142:371-7, Jan 71
Retinoic acid decarboxylation and activation of retinoate and other branched long-chain acids in vitro. Lippel K, et al.
Arch Biochem Biophys 139:421-4, Aug 70
The biosynthesis of a mannolipid that contains a polar metabolite of 15-14C-retinol. De Luca L, et al.
Biochem Biophys Res Commun 41:615-20, 9 Nov 70
Correlations between plasma and liver concentrations of vitamins A and E in children with cystic fibrosis. Underwood BA, et al. Bull NY Acad Med 7:34-9, Jan 71
Isolation of the human retinol binding protein by affinity chromatography. Vahlquist A, et al.
Eur J Biochem 20:160-8, 28 May 71
The metabolism of 5,6-monoepoxy-alpha-carotene in the rat. Kishore GS, et al.
Indian J Biochem 7:98-101, Jun 70
Biological activity of epoxides of vitamin A. Mallia AK, et al. Indian J Biochem 7:102-3, Jun 70
Pre-intestinal disappearance of vitamin A in steers fed different levels of corn. Warner RL, et al.
Int Z Vitaminforsch 40:585-8, 1970
Vitamin A status of steers as influenced by corn silage harvest date and supplemental vitamin A. Martin FH, et al. J Anim Sci 32:1233-8, Jun 71
Isolation and properties of a human retinol-transporting protein. Peterson PA, et al.
J Biol Chem 246:25-33, 10 Jan 71
The uptake of labeled vitamin A acid in keratoacanthoma. An electron microscopic radioautography study. Prutkin L, et al.
J Invest Dermatol 55:249-55, Oct 70
Biochemistry of retinal dystrophy. Reading HW.
J Med Genet 7:277-84, Sep 70
Metabolism of glucose and reduction of retinaldehyde in retinal photoreceptors. Futterman S, et al.
J Neurochem 17:149-56, Feb 70
Pathway of incorporation of vitamin A 3H2 into photoreceptors of a snail, Helix aspersa. Brandenburger JL, et al. Vision Res 10:639-53, Aug 70
Visual pigments of the vitamin A-deficient, thyroidectomized rat following vitamin A2 administration. Pearlman JT, et al.
Vision Res 11:177-87, Mar 71
[Oxidative phosphorylation in rat liver mitochondria in biotin deficiency] Busuioc A, et al.
Acta Vitaminol Enzymol (Milano) 24:7-10, 1970 (Fre)
[Influence of a preparation of a chestnut-tree tannin preparation on the metabolism of liposoluble vitamins] Quard S, et al.
Ann Nutr Aliment 24:177-84, 1970 (Fre)
[Influence of DDT on hepatic vitamin A storage] Ferrando R.
Bull Acad Natl Med (Paris) 155:117-20, 2 Feb 71 (Fre)
[The kidney and vitamin A] Arvy L.
Laval Med 39:142-72, Feb 68 (181 ref.) (Fre)
[Studies on vitamin A supply in swine. 1. Importance of vitamin A supply and herd status in swine husbandry. The vitamin A content in porcine colostrum and milk] Dannenberg HD.
Arch Exp Veterinaermed 23:1063-78, Nov 69 (Ger)
[Vitamin A content in the liver of various free living animals. 2] Schulze H, et al.
Dtsch Tieraerztl Wochenschr 78:475-6, 1 Sep 71 (Ger)
[Distribution of vitamin A in different tissues of swine after oral administration] Palm W, et al.
Int Z Vitaminforsch 40:563-6, 1970 (Ger)
[Metabolism of vitamins B1, B2, B6, C, A and D in normal pregnancy and complicated by hypochromic anemia] Abdurakhmanov MK.
Akush Ginekol (Mosk) 47:10-5, Jun 71 (Rus)
[Determination of retinal in the form of O-ethyloxime and study of the retinol-retinal ratio in some rat tissues] Dmitrovskiĭ AA, et al.
Biokhimiia 35:768-74, Jul-Aug 70 (Rus)
[Formation of a new vitamin A metabolite in rats] Liul'eva VA. Biull Eksp Biol Med 67:38-40, 1969 (Rus)
[Content of vitamin A fractions, cholesterol and phospholipids in the endoplasmic reticulum membrane of chick liver] Leutskaia ZK, et al.
Dokl Akad Nauk SSSR 195:953-5, 1970 (Rus)
[Lipid metabolism and vitamin A requirement in infants up to 1 year of age with gastrointestinal diseases] Balezina TA, et al.
Pediatr Akush Ginekol 6:7-9, 1970 (Ukr)

PHARMACODYNAMICS

Differential response of condylar, epiphyseal, synchondrotic, and articular cartilages of the rat to varying levels of vitamin A. Its impact oncurrent growth concepts. Baume LJ.
Am J Orthod 58:537-51, Dec 70
Retinol-induced alterations in the lipid metabolism of rat liver: enhanced activity of palmitoyl-CoA synthetase, ketogenesis, oxidation and esterification of (1-14C)palmitate. Singh M, et al.
Biochim Biophys Acta 218:183-6, 6 Oct 70
Electron microscopic study of the effect of vitamin A on the differentiation of reconstructed embryonic chick skin. Sagami S, et al.
Br J Dermatol 83:565-71, Nov 70
Comparison of the effects of excess vitamin A and high oxygen tension on in vitro epiphyseal plate growth. I. Morphologic response. Brighton CT, et al.
Calcif Tissue Res 6:151-61, 1970
Sub-lethal autolysis. Modification of cell periphery by lysosomal enzymes. Poste G.
Exp Cell Res 67:11-6, Jul 71
Vitamin A and the retina. Amemiya T.
Eye Ear Nose Throat Mon 50:341-6, Sep 71
Vitamin A: probe of immune complement reactions. II. Enhancement of human complement hemolysis. Orynich RE, et al. Immunochemistry 8:113-9, Jan 71
Some histological and histochemical observations in the oral epithelium of vitamin A deficient rats and rats receiving high doses of vitamin A. Baume LJ, et al. Int Z Vitaminforsch 40:471-82, 1970
The influence of Vitamin A on condylar,epiphyseal and articular cartilages in the rat. Conne P, et al.
Int Z Vitaminforsch 40:465-70, 1970
Experimental production of arthritis by intra-articular injection of vitamin A in rabbits. Boni M, et al.
Isr J Med Sci 7:509-10, Mar 71
Breed, vitamin A supplementation and position effects on quality characteristics of beef short loin steaks. Bramblett VD, et al. J Anim Sci 33:349-54, Aug 71
Effect of carotene deficient rations and supplemental vitamin A on gain, feed utilization and liver vitamin A of calves. Kirk WG, et al. J Anim Sci 33:476-80, Aug 71
The effect of drugs on the rate of proteolysis in vitro within secondary liver lysosomes. Bertini F, et al.
J Cell Physiol 76:225-9, Oct 70
The effect of excess vitamin A on longbone growth in kittens. Clark L. J Comp Pathol 80:625-34, Oct 70
Effects of vitamin A on in vitro tooth bud formation of rats. Biggerstaff RH, et al.
J Dent Res 50:173, Jan-Feb 71
The inhibitory effect of vitamin A on complement levels and tolerance production. Azar MM, et al.
J Immunol 106:241-5, Jan 71
Local stimulatory effect of vitamin A on spermatogenesis in the rat. Ahluwalia B, et al.
J Nutr 101:141-51, Feb 71
Modification of pulmonary surfactant in the rat by vitamin A, pilocarpine and paraquat. Ivemark B, et al.
J Pathol 101:P13, Aug 70
Influence of vitamin A on the distribution of succinic dehydrogenase in oral epithelium of the white rat. Franquin JC, et al. J Periodontol 41:639-43, Nov 70
The effect of hypervitaminosis A on opening of the vaginal membrane in the rat. Maviglit G, et al.
J Reprod Fertil 23:331-3, Nov 70
Vitamin A inhibition of cortisol induction of HeLa alkaline phosphatase. Griffin MJ, et al.
Nature (Lond) 228:762-3, 21 Nov 70
Influence of dietary vitamin A level on chicken liver glycogen. Nockels CF, et al. Poult Sci 50:766-8, May 71
Effects of beta-carotene, vitamin A, and glucocorticoids on collagen synthesis in wounds. Ehrlich HP, et al.
Proc Soc Exp Biol Med 137:936-8, Jul 71
Action potential modifications in rat myocardial cells induced by hypervitaminosis A. Ventura U, et al.
Q J Exp Physiol 56:147-55, Jul 71
[Demonstration of the action of vitamin A on the conversion of delta 5-3 beta hydroxy into delta 4-3 oxo steroids by the adrenal cortex of white adult normal rats] Grangaud R, et al.
C R Acad Sci [D] (Paris) 271:1805-8, 16 Nov 70 (Fre)
[The effects of prolonged vitamin A deficiency and excess of vitamin A on the development of the tibia in the white rat] Baume LJ, et al.
Helv Odontol Acta 14:80-7, Oct 70 (Fre)
[Action mechanism of vitamin A acid (tretinoin)] Lukáes I, et al.
Arch Dermatol Forsch 240:375-82, 1971 (Ger)
[Effect of feeding vitamin A supplement to pregnant cows on the health of calves] Steinbach G, et al.
Monatsh Vet Med 25:191-5, 1 Mar 70 (Ger)
[Behavior disorders in rats subjected to the antenatal effects of teratogenic agents] Malakhovskiĭ VG.
Biull Eksp Biol Med 68:34-7, Nov 69 (Rus)
[Biological effect of vitamin A] Dusheiko AA, et al.
Ukr Biokhim Zh 42:530-41, 1970 (62 ref.) (Ukr)
[Theory of biological effect of vitamin A] Leutskiĭ KM.
Ukr Biokhim Zh 42:257-64, 1970 (Ukr)

PHYSIOLOGY

Vitamin A physiology. Roels OA.
JAMA 214:1097-102, 9 Nov 70 (18 ref.)
Irreversible effects on visible light on the retina: role of vitamin A. Noell WK, et al.
Science 172:76-9, 2 Apr 71

POISONING

Chronic vitamin A intoxication in adults. Hepatic, neurologic and dermatologic complications. Muenter MD, et al. Am J Med 50:129-36, Jan 71
Hypervitaminosis A with hypercalcaemia. Wieland RG, et al. Lancet 1:698, 3 Apr 71
[Acute vitamin A intoxication] Nater JP, et al.
Ned Tijdschr Geneeskd 114:1798-800, 24 Oct 70 (Dut)
[Chronic hypervitaminosis A in Leghorn chickens] Tiews J, et al. Z Tierphysiol 22:365-79, Jul 67 (Ger)
[Role of the hypophysis in changed formation of corticosteroids during toxic doses of vitamins A and D2] Chuvaev AV.
Vopr Med Khim 17:12-[illegible], Jan-Feb 71 (Rus)

RADIATION EFFECTS

Radiative and non-radiative losses in the retinol polyenes. Dalle JP, et al.
Photochem Photobiol 12:151-67, Aug 70

THERAPEUTIC USE

Effect of cortisone and vitamin A on wound infection. Stephens FO, et al. Am J Surg 121:569-71, May 71
Pityriasis rubra pilaris. Gordon HH.
Arch Dermatol 103:563-4, May 71
Lamellar ichthyosis--response to retinoic acid (tretinoin). A case report. Mirrer E, et al.
Arch Dermatol 102:548-51, Nov 70
The treatment of Kyrle's disease. Powell EW.
Br J Dermatol 83:704-5, Dec 70
Vitamin A for night-blindness in prolonged jaundice. Wright JM, et al. Br Med J 3:92-3, 10 Jul 71
Therapy of chemically induced skin tumors of mice with vitamin A palmitate and vitamin A acid. Bollag W. Experientia 27:90-2, 15 Jan 71
Experimental study of agents protecting the skin against acute radiation ulceration. Chaudhuri SK, et al. Indian J Med Res 58:1413-20, Oct 70
Infertility in a bull-effect of vitamin A therapy on the semen picture. Choudhury RR, et al.
Indian Vet J 48:101-4, Jan 71
Paradoxical increase in dark-adaptation time after vitamin A intake. Tanksale KG.
J Postgrad Med 16:85-9, Apr 70
The effect of a preparation of vitamin A and calcium carbonate on sunburn. Turner AC, et al.
Practitioner 206:662-5, May 71
[Treatment of chronic bronchitis by

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vitamin-vaccino-balsamic compound] Michetti F.
Rev Med Suisse Romande 91:131-6, Feb 71 (Fre)
[Selective injury to cancer cells by a combined attack with acidification, heat, vitamin A, dimethyl sulfoxide and other agents facilitating the release of lysosomal enzymes] Ardenne M von, et al.
Arch Geschwulstforsch 33:331-44, 1969 (Ger)
[Topical treatment of normal and pathological human skin with vitamin A acid (tretinoin)] Plewig G, et al.
Arch Klin Exp Dermatol 239:390-413, 1971 (Ger)
[Local treatment of chlorine acne (halowax acne) with vitamin A acid] Plewig G.
Hautarzt 21:465-70, Oct 70 (Ger)
[Vitamin A acid in the therapy of tumors. Local treatment of precancerous conditions and basal carcinoma of the skin with vitamin A acid] Bollag W, et al. Schweiz Med Wochenschr 101:17-8, 9 Jan 71 (Ger)
[Vitamin A acid in the treatment of tumors. Studies on the effect of vitamin A acid on tumors in animal experiments] Bollag W.
Schweiz Med Wochenschr 101:11-7, 9 Jan 71 (Ger)
[Treatment of ichthyosis congenita using maximum dosage of vitamin A] Hoefer-Janker H, et al.
Z Haut Geschlechtskr 46:79-94, 15 Jun 71 (Ger)
[Use of a vitamin complex (A, E, B6) in geriatric therapy] D'Alessandro A, et al.
G Gerontol 18:1124-32, Dec 70 (Ita)
[Influence of vitamin A on experimental gastric ulcer in rats] Monacelli R, et al.
Pathologica 61:387-95, Nov-Dec 69 (Ita)
[Restoration by vitamin A and unsaturated fatty acids of the function of the anticoagulation system in animals kept on an atherogenic diet] Kudriashov BA, et al. Kardiologiia 10:44-8, Nov 70 (Rus)
[The value of vitamin A and the ethyl esters of unsaturated fatty acids in prevention of depression of the anticoagulation system (experimental study)] Kudriashov BA, et al.
Kardiologiia 10:88-95, Jun 70 (Rus)

TOXICITY

Localized skin changes induced by depot injections of vitamin A in the rat. Brown IV, et al.
Am J Pathol 64:155-64, Jul 71
Lack of hypertrophy of the adrenal in exencephalic fetal rats subjected to hypervitaminosis A and then to maternal adrenalectomy. Eguchi Y, et al.
Endocrinology 88:1528-31, Jun 71
Experimental formation of goiter in exencephalic fetal rats subjected to maternal hypervitaminosis A. Eguchi Y, et al. Endocrinology 88:261-3, Jan 71
Production of cleft palate with dexamethasone and hypervitaminosis A in rat embryos. Nanda R, et al.
Experientia 26:1111-2, 15 Oct 70
Histology of healing of skin changes in hypervitaminosis A in chickens. Holman J, et al.
Int Z Vitaminforsch 40:483-8, 1970
Mid-diaphyseal bone turnover during and after vitamin A toxicosis in kittens. A fluorescent labelling and microradiographic study. Clark L.
J Comp Pathol 81:365-71, Jul 71
The role of sulfated mucopolysaccharides in cleft palate production. Nanda R.
Teratology 3:237-44, Aug 70
[Teratogenic effect of retinol on the chick embryo] Abramovici A.
C R Acad Sci [D] (Paris) 272:2726-8, 24 May 71 (Fre)
[On some experimental malformations of the tongue and mandible] Scapecchi G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:17-49, 1968 (Ita)
[Range of teratogenic action as an indication of danger in using a medicinal preparation during pregnancy] Prozorovskif VB, et al.
Akush Ginekol (Mosk) 46:52-6, Sep 70 (Rus)
[The interrelationship between vitamins A and E in the living organism] Kriukova LV, et al.
Biull Eksp Biol Med 68:59-60, Aug 69 (Rus)
[The prenatal influence of chloridin and vitamin A on the behavior of the progeny of rats] Malakhovskif VG.
Biull Eksp Biol Med 71:34-6, Mar 71 (Rus)

VITAMIN A DEFICIENCY (C13)

see also related
NYCTALOPIA (C11)
XEROPHTHALMIA (C11)

[The kidney and vitamin A] Arvy L.
Laval Med 39:142-72, Feb 68 (181 ref.) (Fre)
[Biological effect of vitamin A] Dushefko AA, et al.
Ukr Biokhim Zh 42:530-41, 1970 (62 ref.) (Ukr)

BLOOD

[Study of protein composition of blood serum in A-avitaminosis in animals by use of manganese] Leutskif KM, et al.
Ukr Biokhim Zh 41:204-7, 1969 (Ukr)

COMPLICATIONS

Malabsorption with vitamin A deficiency in a college girl treated for cystic fibrosis. Kulczycki LL.
Acta Paediatr Scand 60:371-2, May 71
Reversal of the complications f self-induced vitamin A deficiency. Bors F, et al.
Br J Ophthalmol 55:210-4, Mar 71
Vitamin A deficiency and surgical stress. Freiman M, et al. Surg Forum 21:81-2, 1970
Ocular complications of self-induced vitamin A deficiency. Felis P, et al.
Trans Ophthalmol Soc UK 89:221-8, 1970
Generalized cryptococcosis without central nervous system involvement in an infant with malabsorption syndrome. Tinaztepe B, et al.
Turk J Pediatr 11:156-65, Oct 69
[Vitamin A and protein-caloric malnutrition] Arroyave G. Bol Of Sanit Panam 69:198-211, Sep 70 (Spa)

DIAGNOSIS

[Physiopathology of the retina and vitamin A deficiency] Scialfa A.
Ann Ottalmol Clin Ocul 95:1027-40, Dec 69 (Ita)

ENZYMOLOGY

[The acid phosphatase in the epithelium of the alveolar mucosa of the rat exposed to a deficiency and an excess of vitamin A] Franquin JC, et al.
Schweiz Monatsschr Zahnheilkd 81:363-71, Apr 71 (Fre)
[Effect of increased doses of cobalt on ribonuclease, desoxyribonuclease and catalase in vitamin A deficiency] Leutskif KM, et al.
Ukr Biokhim Zh 42:639-44, 1970 (Ukr)

ETIOLOGY

Failure of enzymic cleavage of beta-carotene. The cause of vitamin A deficiency in a child. McLaren DS, et al. Am J Dis Child 121:278-80, Apr 71
[Nutritional deficiency disorders in parasitism by Leishmania enrietti. I. Aspects of vitamin A deficiency] Machado OL.
Bull Soc Pathol Exot 62:689-96, 1969 (Fre)

METABOLISM

Collagen and mineral accretion rates in bone during vitamin A deficiency. Firschein HE.
Am J Physiol 219:1183-7, Nov 70
The in vivo and in vitro biosynthesis of lung tissue glycopeptides. De Luca L, et al.
Arch Intern Med 127:853-7, May 71
Turnover of mammalian phospholipids. Rates of turnover and metabolic heterogeneity in cultured human lymphocytes and in tissues of healthy, starved and vitamin A-deficient rats. Pasternak CA, et al.
Biochem J 119:481-8, Sep 70
The metabolism of 5,8-monoepoxy-alpha-carotene in the rat. Kishore GS, et al.
Indian J Biochem 7:98-101, Jun 70
Renal clearances in normal and vitamin A-deficient twin calves. Richards JI, et al.
Int Z Vitaminforsch 40:567-74, 1970
Biosynthesis of a fucose-containing glycopeptide from rat small intestine in normal and vitamin A-deficient conditions. De Luca L, et al.
J Biol Chem 245:4551-8, 10 Sep 70
Phospholipid metabolism in vitamin A-deficientrats. Krause RF, et al. J Nutr 101:161-8, Feb 71
Effect of vitamin A deficiency on the protein synthetic activity of rat liver ribosomes. Tryfiates GP, et al.
Proc Soc Exp Biol Med 136:946-8, Mar 71
Visual pigments of the vitamin A-deficient, thyroidectomized rat following vitamin A2 administration. Pearlman JT, et al.
Vision Res 11:177-87, Mar 71
[Influence of avitaminosis A on lipolysis in vitro of epididymal adipose tissue in the rat] Blaizot S, et al.
Arch Sci Physiol (Paris) 24:267-77, 1970 (Fre)
[Study of the metabolism of chondroitin sulfate in the cartilage of vitamin A deficient chickens using labelled precursors] Velikif NN, et al.
Dokl Akad Nauk SSSR 193:1409-10, 1970 (Rus)
[Effect of vitamin A deficiency on some aspects of mucopolysaccharide metabolism] Liubovich EN, et al.
Vopr Med Khim 16:613-6, Nov-Dec 70 (Rus)
[Effect of vitamin A deficiency and of potassium and sodium ions on protein biosynthesis in rat liver mitochondria] Leutskif KM, et al.
Vopr Pitan 29:16-9, Nov-Dec 70 (Rus)
[Effect of vitamin A deficiency on sodium and potassium distribution in cellular fractions of the liver] Leutskii KM, et al.
Ukr Biokhim Zh 43:215-8, Mar-Apr 71 (Ukr)

OCCURRENCE

New York children lack vitamin A.
Nature (Lond) 228:309, 24 Oct 70

PATHOLOGY

Lesions in nervous tissue and bone in ataxic vitamin A deficient quail. Howell JM, et al.
Acta Neuropathol (Berl) 16:285-92, 1970
The fine structure of vitamin A deficiency. II. Arachnoid granulations and CSF pressure. Hayes KC, et al. Brain 94:213-24, 1971
Some histological and histochemical observations in the oral epithelium of vitamin A deficient rats and rats receiving high doses of vitamin A. Baume LJ, et al. Int Z Vitaminforsch 40:471-82, 1970
The induction of keratinization in the corneal epithelium. A comparison of the "dry" and vitamin A-deficient eyes. Beitch I.
Invest Ophthalmol 9:827-43, Nov 70
An electron microscopic study of metaplasia of the rat tracheal epithelium in vitamin A deficiency. Wong YC, et al. Lab Invest 24:55-66, Jan 71

PHYSIOPATHOLOGY

Vitamin A deficiency and bone growth. I. Altered drift patterns. Hayes KC, et al.
Calcif Tissue Res 6:120-32, 1970
Blood vessels in the epiphyseal cartilage of vitamin A-deficient rats. Sherman BS.
Calcif Tissue Res 1:192-6, 20 Dec 67
The effect of vitamin A deficiency in rabbits on the elastic properties of the lung and thoracic aorta. Saksena JS, et al.
Can J Physiol Pharmacol 49:127-33, Feb 71
The effect of acute vitamin A deficiency on the susceptibility of chicks to Newcastle disease and influenza viruses. Bang FB, et al.
Johns Hopkins Med J 129:100-9, Aug 71
Action potential modifications in rat myocardial cells during vitamin A deficiency. Rindi G, et al.
Q J Exp Physiol 55:329-37, Oct 70
Vitamin A deficiency effect on retina: dependence on light. Noell WK, et al. Science 172:72-5, 2 Apr 71

PREVENTION & CONTROL

Failure of a massive single oral dose of vitamin A to prevent deficiency. Pereira SM, et al.
Arch Dis Child 46:525-7, Aug 71

VETERINARY

Ocular changes associated with hypovitaminosis A in cattle. Barnett KC, et al. Br Vet J 126:561-73, Nov 70
Morphological changes in the ureters as a cause of gout in chicken A avitaminosis. Konstantinov A.
Dokl Bolg Akad Nauk 23:461-4, 1970
Effect of carotene deficient rations and supplemental vitamin A on gain, feed utilization and liver vitamin A of calves. Kirk WG, et al. J Anim Sci 33:476-80, Aug 71
Plasma and urinary components in vitamin A-deficient ewes. Webb KE Jr, et al. J Anim Sci 32:157-60, Jan 71
Effects of vitamin A deficiency on the pituitary-gonad axis of the California quail, Lophortyx californicus. Fletcher RA. J Exp Zool 176:25-34, Jan 71
Vitamin A deficiency and Eimeria acervulina infection in the chick. Coles B, et al.
Poult Sci 49:1295-301, Sep 70
Influence of vitamin A deficiency on tissue glycogen metabolism in growing chickens. Nockels CF, et al.
Poult Sci 50:174-81, Jan 71
Influence of dietary vitamin A level on chicken liver glycogen. Nockels CF, et al. Poult Sci 50:706-8, May 71
[Studies on the vitamin A level in the liver and serum of cattle in their relationship to the photography of the fundus of the eye] Müller A, et al.
Zentralbl Veterinaermed [A] 17:852-62, Aug 70 (Ger)

VITAMIN B COMPLEX (D11)

[Present state of research on pangamic acid (Vitamin B 15)] Janicki J, et al.
Postepy Biochem 16:421-9, 1970 (Pol)
[Effects of storage on the nutritive value of dehydrated pea soups. II. Changes in the contents of some vitamins of the B group] Nadolna I, et al.
Rocz Panstw Zakl Hig 21:373-8, 1970 (Pol)

ADMINISTRATION & DOSAGE

Evaluation of three techniques for the management of postextraction third molar sockets. Khosla VM, et al.
Oral Surg 31:189-96, Feb 71
[Therapy of chronic hepatitis using Metabolan] Freude J, et al. Ther Ggw 110:1157-68, Aug 71 (Ger)
[Effect of vitamin B15 on blood serum transaminases in experimental disease of the liver] Poliak NR.
Fiziol Zh 16:880-1, Sep-Oct 70 (Ukr)

ADVERSE EFFECTS

B-complex and enriched flour as causes of atopic dermatitis. Neumann HH. JAMA 217:477, 26 Jul 71

ANALYSIS

[Vitamins from clouds]
Dtsch Med Wochenschr 95:2629-30, 25 Dec 70 (Ger)
[Microbiological assay of vitamins in the sample

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

containing lincomycin with resistant strain of Lactobacilli] Kitamura J, et al.
J Pharm Soc Jap 91:346-50, Mar 71 (Jap)
[Assays of B-complex vitamins in composed drugs by means of chromatographic separation. I. Assays of vitamins B-6 in multavitamin preparations] Pączek K, et al. Acta Pol Pharm 27:573-7, 1970 (Pol)
[Determination of B-complex vitamins in drug combinations by means of chromatographic separation. II. Determination of vitamins B1, B2 and PP in combined multivitamins and B-complex] Pączek K, et al. Acta Pol Pharm 28:71-4, 1971 (Pol)

BIOSYNTHESIS

[Specificity of the biosynthesis of certain vitamin factors in the rhizosphere of colza plantules (Brassica napus oleifera)] Blondeau R.
Ann Inst Pasteur Lille 20:255-9, 1969 (Fre)
[Synthesis of some vitamins of the vitamin B complex in Bacillus polymyxa Ross] Kachan VI.
Mikrobiol Zh 32:434-9, May-Jun 70 (Ukr)
[Formation of some vitamins of vitamin B complex by Bacillus polymyxa Ross] Kachan VI.
Mikrobiol Zh 32:721-6, Nov-Dec 70 (Ukr)
[Formation of vitamin B complex by actinomycetes, isolated from soils in the southern USSR] Kogan SB.
Mikrobiol Zh 32:726-30, Nov-Dec 70 (Ukr)
[Biosynthesis of vitamins and amino acids of Bacillus subtilis and Bac. mesentericus] Kolchinskaia ID, et al.
Mikrobiol Zh 33:419-23, May-Jun 70 (Ukr)
[Group B vitamin biosynthesis by soil mycobacteria] Kozlova IA. Mikrobiol Zh 32:25-32, Jan-Feb 70 (Ukr)
[The effect of several bound forms of nitrogen on group B vitamin synthesis by azotobacter in deep cultivation] Kvasnikov EI, et al.
Mikrobiol Zh 32:3-8, Jan-Feb 70 (Ukr)
[Effect of biotin on growth of Candida tropicalis K-41 and synthesis of vitamin B complex] Kvasnikov EI, et al. Mikrobiol Zh 33:240-3, Mar-Apr 71 (Ukr)

METABOLISM

Absorption of glucose and vitamins of the B complex by germ-free and conventional chicks. Ford DJ, et al.
Proc Nutr Soc 30:10A-11A, May 71
[Metabolism of vitamins B1, B2, B6, C, A and D in normal pregnancy and complicated by hypochromic anemia] Abdurakhmanov MK.
Akush Ginekol (Mosk) 47:10-5, Jun 71 (Rus)
[Changes in the concentration of vitamin B in the blood and urine of children with rickets during the 1st year of life] Garsevanishvili TI.
Pediatriia 50:14-6, Mar 71 (Rus)
[The tissue respiration in children with pneumonia during the 1st year of life] Pagava IK, et al.
Pediatriia 50:22-6, Mar 71 (Rus)
[Metabolism of some vitamins in patients with digestive system diseases during health resort treatment] Fesenko VP.
Vopr Kurortol Fizioter Lech Fiz Kult 36:17-9, 1971 (Rus)

PHARMACODYNAMICS

[Experiments on the influence of metabolites and antimetabolites on the model of Trichomonas vaginalis. I. Experiments with the vitamin-B 2 -complex] Christow CP.
Zentralbl Bakteriol [Orig] 217:381-402, Jul 71 (Ger)
[State of the adrenal cortex in aging persons and changes in its function under the effects of vitamin B 1 and B 15] Motova LP, et al.
Ter Arkh 42:92-4, Aug 70 (Rus)
[Effect of methionine and calcium pangamate on the transketolase activity of rat liver and erythrocytes] Kaptiukh RF, et al.
Vopr Pitan 29:81-2, Jul-Aug 70 (Rus)
[Effect of calcium pangamate, vitamin B 15, and methionine on the pro- and anticoagulant levels in experimental hypercholesteremia] Kaptiukh RF, et al. Vopr Pitan 29:48-51, Mar-Apr 70 (Rus)
[The effect of vitamin "B-15" and methionine on the state of several indices of the blood clotting and fibrinolytic systems] Kaptiukh RF.
Vrach Delo 126-7, Jan 71 (Rus)
[Effect of cocarboxylase, calcium pangamate and sodium bicarbonate on the content of lactic and pyruvic acids in blood in mitral comissurotomy] Danilenko MV, et al.
Fiziol Zh 17:256-60, Mar-Apr 71 (Ukr)
[The effect of treating seeds with vitamins and vitamin-forming bacteria on vitamin accumulation in the green mass of plants] Karaseva LV, et al.
Mikrobiol Zh 31:392-6, Jul-Sep 69 (Ukr)
[The effect of B group vitamins on the growth of lactic acid bacteria from the rumen of cattle] Podgors'kiĭ VS. Mikrobiol Zh 31:407-9, Jul-Sep 69 (Ukr)

THERAPEUTIC USE

Intravenous vitamins in acute alcoholic intoxication: effects on physiological and psychological functions. Kelly M, et al. Br J Addict 66:19-30, Jun 71
The inhibitory effect of B-group vitamins on the incidence of tumour metastases. Ardenne M von, et al.
Naturwissenschaften 58:221-2, Apr 71
Vitamins B and C and tongue signs in adolescents. Saunders JP, et al.
Proc Nutr Soc 29:Suppl:19A+, May 70
Orthomolecular psychiatry: niacin and megavitamin therapy. Hawkins DR, et al.
Psychosomatics 11:517-21, Sep-Oct 70
[Clinical aspects and therapy of the pseudo-Foster-Kennedy syndrome] Hilsdorf C.
Ber Dtsch Ophthalmol Ges 70:448-52, 1970 (Ger)
[B-Vitamins in radiation reactions] Scherer E.
Dtsch Med Wochenschr 96:604, 2 Apr 71 (Ger)
[Oxypangam (DIPA)] Aibach E.
Munch Med Wochenschr 13:54-7, 8 Jan 71 (Ger)
[Therapeutic effectiveness of B-vitamins and other drugs in chronic liver-parenchyma diseases?] Heinrich HC.
Munch Med Wochenschr 110:2311-2, 4 Oct 68 (Ger)
[Therapeutic effectiveness of B-vitamins and other drugs in chronic liver-parenchyma diseases?] Wildhirt E.
Munch Med Wochenschr 110:2313-4, 4 Oct 68 (Ger)
[Therapy of neuritic-neuralgic pain with Dexa-Neurobion] Schneider H.
Z Allgemeinmed 47:1081-3, 31 Jul 71 (Ger)
[Catamnestic studies in porphyria cutanea tarda with special reference to therapy] Barth J, et al.
Z Gesamte Inn Med 26:68-74, 15 Jan 71 (Ger)
[Side effects of ionizing irradiation and cyclophosphamide administration as well as modification of these disorders] Schmidt W.
Zentralbl Gynaekol 91:1537-40, 22 Nov 69 (Ger)
[Use of a preparation of Bacillus subtilis in digestive diseases] Lodi A, et al.
Arch Patol Clin Med 46:234-32, Aug 70 (Ita)
[Recent etiopathogenetic concepts and new therapeutic trends in emesis gravidarum] Morra C, et al. Minerva Ginecol 21:791-801, 15 Jul 69 (Ita)
[Therapeutic possibilities, in the orthopedic field, of an association of vitamins B1-B6-B12-dichloroethanoate of diisopropylammonium with a new synthetic compound (Ethoxyhydrazone)] Padua S.
Minerva Med 62:2383-7, 13 Jun 71 (Ita)
[Clinical experience with the use of antirheumatic drug Menalgon] Valdiserri L.
Minerva Ortop 21:557-62, Oct 70 (Ita)
[Value of Calgam in the treatment of cerebrovascular diseases] Wasilewski R, et al.
Pol Tyg Lek 26:316-8, 1 Mar 71 (Pol)
[Use of vitamin B complex combined with methylmelubrine in the treatment of spinal arthroses] Carneiro W.
Rev Bras Med 27:528-31, Oct 70 (Por)
[Effect of pangamic acid (vitamin B15) during starvation] Khomulo PS, et al.
Biull Eksp Biol Med 70:61-2, Nov 70 (Rus)
[Effect of vitamin B15 on the excretion of vanilylamygdalic acid and catecholamines in cardiac ischemia] Pchelintsev VP, et al.
Kardiologiia 10:96-9, Nov 70 (Rus)
[Glucose-6-phosphatase activity in tuberculosis-infected animals during long-term use of bacteriostatic agents and group B vitamins] Romaniuk SL. Probl Tuberk 49:76-9, 1971 (Rus)
[Effect of vitamin B-15 and methyluracil on the coagulating properties of the blood and functional status of the liver in hypertension] Agapova EN, et al.
Ter Arkh 41:51-4, Sep 69 (Rus)
[Effectiveness of calcium pangamate in coronary arteriosclerosis] Kondrakov VM.
Ter Arkh 43:34-7, Mar 71 (Rus)
[Effect of hormone therapy and B group vitamins on the course of chronic gastritis in children] Apstolov BG, et al.
Vopr Okhr Materin Det 16:39-42, Feb 71 (Rus)
[Relationship between acetylcholine and cholinesterase in the organism of nursing mothers treated with vitamin B 15] Krasnoperova KE.
Vopr Okhr Materin Det 15:87-9, Aug 70 (Rus)
[Effect of vitamin B complex and vitamin C on blood and urine levels of free amino acids in women with late toxemia] Tiutina EM.
Vopr Okhr Materin Det 15:89-90, Nov 70 (Rus)
[Use of vitamin B-15 in experimental tumor chemotherapy] Poliak NR.
Vopr Onkol 16:57-9, 1970 (Rus)
[Effect of some B-complex vitamins on the metabolism in radiation injury] Sopin EF, et al.
Ukr Biokhim Zh 42:289-93, 1970 (31 ref.) (Ukr)

VITAMIN B DEFICIENCY (C13)

[A case of Plummer-Vinson syndrome] Nichet L, et al.
J Fr Otorhinolaryngol 20:58 passim, Jan 71 (Fre)
[Plumer-Vinson syndrome (Patterson-Kelly). Case report] Abrahão LJ, et al.
Hospital (Rio de J) 77:2061-5, Jun 70 (Por)

COMPLICATIONS

Post-cricoid carcinoma and the Paterson-Kelly syndrome. Richards SH, et al.
J Laryngol Otol 85:141-52, Feb 71
Iron deficiency and autoimmunity in post-cricoid webs. Chisholm M, et al. Q J Med 40:421-33, Jul 71
A follow-up study of patients with post-cricoid webs. Chisholm M, et al. Q J Med 40:409-20, Jul 71

DIAGNOSIS

[Plummer-Vinson syndrome; a report of two cases and review of medical literatures] Komaki S.
Nippon Acta Radiol 30:868-75, Dec 70 (Jap)

DRUG THERAPY

[On the importance of vitamins in congenital metabolic disorders and in the vitamin dependency syndrome] Baerlocher K. Praxis 60:807-16, 15 Jun 71 (Ger)

ENZYMOLOGY

Monoamine oxidase activity and norepinephrine content of organs from rats fed on a vitamin B2-deficient diet. Leodolter S, et al.
Arch Int Pharmacodyn Ther 190:393-401, Apr 71

ETIOLOGY

Reversible nicotinamide-deficiency encephalopathy in a patient with jejunal diverticulosis. Tabaqchali S, et al. Gut 11:1024-8, Dec 70

METABOLISM

Energy-linked swelling of biotin-deficient rat liver mitochondria. Bhuvaneswaran C, et al.
Arch Biochem Biophys 142:665-74, Feb 71

OCCURRENCE

A survey of 216 elderly men and women in general practice. Taylor GF, et al.
J R Coll Gen Pract 21:267-75, May 71

URINE

Biochemical studies in phrynoderma (follicular hyperkeratosis). 3. Thiamine, riboflavin and nicotinic acid nutritional status of children suffering from phrynoderma. Bhat KS, et al.
Indian J Med Res 58:753-7, Jun 70

VETERINARY

Thiamine deficiency in a peregrine falcon. Ward FP.
J Am Vet Med Assoc 159:599-601, Sep 71
Ocular lesions induced by vitamin B2 deficiency. Heywood R, et al. Vet Rec 88:251-2, 6 Mar 71

VITAMIN B 1 see THIAMINE (D11)

VITAMIN B 2 see RIBOFLAVIN (D10, D11)

VITAMIN B 6 see PYRIDOXINE (D11)

VITAMIN B 12 (D7, D11)

Stability of coenzyme B 12 to biological systems. Scandurra R, et al.
Acta Vitaminol Enzymol (Milano) 23:217-9, 1969
Iron, folate, and vitamin B12 nutrition in a hunter-gatherer people: a study of the Kung Bushmen. Metz J, et al.
Am J Clin Nutr 24:229-42, Feb 71
Binding of aquocobalamin to the histidine residues in bovine serum albumin. Taylor RT, et al.
Arch Biochem Biophys 141:247-57, Nov 70
Comparison of two stability programs for lyophilized coenzyme B12 in ampoules. Colombo BM, et al.
Arzneim Forsch 21:93-5, Jan 71
Mechanism of action of coenzyme B 12 . Release of 5'-deoxyinosine on incubation of deoxyinosylcobalamin, 1,2-propanediol and propanediol dehydrase. Jayme M, et al.
Biochem Biophys Res Commun 43:1329-33, 18 Jun 71
Vitamin B12 dependent glutamate mutase activity in photosynthetic bacteria. Omori H, et al.
Biochem Biophys Res Commun 43:156-62, 2 Apr 71
Formation of the N5-methyltetrahydrofolate-homocysteine methyltransferase holoenzyme from apoenzyme and adenosyl-B 12. Rosales F, et al.
Biochem Biophys Res Commun 40:271-6, 27 Jul 70
Potassium ion as an essential factor for binding of vitamin B 12 coenzyme to apopropanediol dehydratase. Toraya T, et al.
Biochem Biophys Res Commun 41:1314-20, 9 Dec 70
The chemistry of vitamin B 12. The co-ordination of biologically important molecules. Hill HA, et al.
Biochem J 120:263-9, Nov 70
Methylation of mercury compounds by methylcobalamin. Bertilsson L, et al.
Biochemistry 10:2805-8, 6 Jul 71
Studies on the fermentation of D-alpha-lysine.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Purification and properties of an adenosine triphosphate regulated B 12-coenzyme-dependent D-alpha-lysine mutase complex from Clostridium sticklandii. Morley CG, et al.
Biochemistry 9:4890-900, 8 Dec 70
Chemical and biological studies with fluoroalkylcobalamins. Penley MW, et al.
Biochemistry 9:4302-10, 27 Oct 70
Mechanisms in pernicious anaemia.
Br Med J 4:757-8, 26 Dec 70
The vitamin B12-dependent methionine synthetase. The cycle of transmethylation. Rüdiger H.
Eur J Biochem 21:264-8, 29 Jul 71
Studies on the mechanism of hydrogen transfer in the coenzyme B12 dependent dioldehydrase reaction II. Essenberg MK, et al.
J Am Chem Soc 93:1242-51, 10 Mar 71
The mechanism of coenzyme B12 action in dioldehydrase. Schrauzer GN, et al.
J Am Chem Soc 93:1503-5, 24 Mar 71
Alpha-(5,6-dimethylbenzimidazolyl)hydrogenobamide and its copper and zinc analogues. Koppenhagen VB, et al. J Biol Chem 246:3075-7, 10 May 71
Currins and zirrins, two new classes of corrin analogues. Koppenhagen VB, et al.
J Biol Chem 245:5865-7, 10 Nov 70
Transition metal complexes of porphins, corrins and related compounds. Johnson AW.
Pure Appl Chem 23:375-89, 1970
Chemical methylation of inorganic mercury with methylcobalamin, a vitamin B12 analog. Imura N, et al.
Science 172:1248-9, 18 Jun 71
Requirements of ascorbic acid, vitamin D, vitamin B12, folate, and iron. Report of a Joint FAO-WHO Expert Group. WHO Tech Rep Ser 452:1-75, 1970
[Reaction of carbon monoxide with corrinoids] Friedrich W.
Z Naturforsch [B] 25:1431-4, Dec 70 (Ger)
[Vitamin B 12 coenzyme] Capasso DA.
Pediatria (Napoli) 78:326-33, 1970 (25 ref.) (Ita)
[Inhibition of glycerol dehydratase activity by cobamide coenzyme analogs] Iakovlev VA, et al.
Dokl Akad Nauk SSSR 197:230-3, 1 Mar 71 (Rus)

ADMINISTRATION & DOSAGE

Dosage of hydroxocobalamin for vitamin B12 deficiency. Skouby AP.
Acta Med Scand 188:31-6, Jul-Aug 70
The effect of vitamin B 12 coenzyme on urinary methylmalonic acid excretion in low birth weight infants. Lord J, et al. Biol Neonate 18:36-44, 1971
Expected and observed values for the prescription of vitamin B 12 in England and Wales. Cochrane AL, et al.
Br J Prev Soc Med 25:147-51, Aug 71
[Trial of a non hormonal anabolic agent in the treatment of hypotrophia in children] Fontaine G, et al. Lille Med 15:Suppl 5:1031+, Aug-Sep 70 (Fre)
[Analgesic effect of injectable coenzyme B12, 5000 micrograms in traumatology and orthopedics] Ray A.
Lyon Med 225:853-5, 11 Apr 71 (Fre)
[Experiences with intra-articular Supertendin-depot therapy in the orthopedic practice] Mirecki GB.
Disch Med J 21:622-3, 5 May 70 (Ger)
[Effect of steroid therapy in combination with vitamin B 12, folic acid, nicotinic acid and vitamin C on the course of carbon tetrachloride-induced cirrhosis. Studies in experimental animals] Maiwald L, et al.
Med Welt 6:223-8, 6 Feb 71 (Ger)
[Effect of vitamin B 12 administered by aerosol on various spirographic functional components] Ruiz Benítez G, et al. Rev Clin Esp 117:483-8, 15 Jun 70 (Spa)

ADVERSE EFFECTS

Sensitivity to cyanocobalamin and hydroxocobalamin. James J, et al. Br Med J 2:262, 1 May 71
Polycythemia following folic acid and vitamin B12 treatment of anticonvulsant-induced megaloblastic anemia. Amir J, et al. Isr J Med Sci 6:49-52, Jan-Feb 70
[Acne due to vitamin B 12] Dugois P, et al.
Bull Soc Fr Dermatol Syphiligr 76:382-3, 1969 (Fre)
[Urticaria due to vitamin B 12 allergy verified by the lymphoblastic transformation test] Meyer de Schmid JJ, et al.
Bull Soc Fr Dermatol Syphiligr 76:670-1, 1969 (Fre)
[Acne caused by vitamin B 12] Dugois P, et al.
Lyon Med 221:1165, 11 May 69 (Fre)

ANALYSIS

Proton magnetic resonance studies of vitamin B12. Proton magnetic resonance spectra of some cobalamins and cobinamides. Brodie JD, et al.
Biochemistry 10:914-22, 2 Mar 71
The 220 MHz and 60 MHz H NMR spectra of 5'-deoxyadenosylcobalamin and cobinamide coenzymes. Cockle SA, et al.
Biochim Biophys Acta 215:415-8, 14 Aug 70
The adsorption of intrinsic factor concentrate to glass: occurrence and prevention with reference to radioisotope dilution assays of vitamin B 12. Newmark P, et al. Blood 38:524-8, Oct 71
Absorption of vitamin B 12 by the guinea-pig. I. Subcellular localization of vitamin B 12 in the ileal enterocyte during absorption. Peters TJ, et al.
Br J Haematol 19:369-82, Sep 70
Some observations on the vitamin B12 content of rat's milk. Williams DL, et al. Br J Nutr 25:295-8, Mar 71
Activities of various cobalamins for Euglena gracilis with reference to vitamin B 12 assay with Euglena. Adams JF, et al. J Clin Pathol 24:15-7, Feb 71
Cobalamins in human pregnancy and lactation. Craft IL, et al. J Clin Pathol 24:449-55, Jul 71
Assay of vitamin B 12 in serum and other materials. Hemindra P, et al. J Med Assoc Thai 54:240-9, Apr 71
Neovitamin B 12 identified. Bonnett R, et al.
Nature (Lond) 229:473-6, 12 Feb 71
Aminoacid and vitamin body distribution: an additional use of the autographic method. Tubaro E, et al.
Naunyn Schmiedebergs Arch Pharmakol 270:18-21, 1971
Assignments in the carbon-13 nuclear magnetic resonance spectra of vitamin B12' coenzyme B12' and other corrinoids: application of partially-relaxed fourier transform spectroscopy. Doddrell D, et al.
Proc Nati Acad Sci USA 68:1083-8, May 71
[A product of microbial synthesis rich in vitamin B 12. Analysis and animal assays] Karlin R, et al.
Int Z Vitaminforsch 40:419-26, 1970 (Fre)
[O-(alpha-D-ribofuranosyl)-p-cresol-the nucleoside of corrinoid factor Ib from sewage sludge] Dinglinger F, et al.
Hoppe Seylers Z Physiol Chem 351:1157-60, Sep 70 (Ger)
[Effect of methodical variations on the standard curves in vitamin B12 determinations with Lactobacillus leichmannii] Oberzill W, et al.
Pathol Microbiol (Basel) 36:193-9, 1970 (Ger)
[Coordination-isomery of cobalt-methyl-factor I b and cobalt-methyl-cobalamine] Friedrich W, et al.
Z Naturforsch [B] 25:979-83, Sep 70 (Ger)
[Coordination isomery of cobalt-methyl derivatives of cobyric acid and cobinamide-monocarbonic acids] Friedrich W, et al.
Z Naturforsch [B] 25:972-8, Sep 70 (Ger)
[Content of vitamin B 12 in human milk] Duma Kh, et al.
Vopr Pitan 29:54-7, Mar-Apr 70 (Rus)

ANTAGONISTS & INHIBITORS

Inactivation of vitamin B12 by a binder in rat intestine and the role of intrinsic factor. Okuda K, et al.
Digestion 4:35-48, 1971

BIOSYNTHESIS

Vitamin B12 producing fermentations of sewage sludge origin with a mixed bacterium population. I. Role of individual bacterium species in vitamin B 12 production. Johan B.
Acta Microbiol Acad Sci Hung 17:319-28, 1970
The biosynthesis of corrinoids by Propionibacterium shermanii 1 in the cheese-whey medium. Pędziwilk F, et al. Acta Microbiol Pol [B] 2:229-35, 1970
Microbial biosynthesis of B12-like compounds. Friedmann HC, et al.
Annu Rev Microbiol 24:159-208, 1970 (301 ref.)
Biosynthesis of the 4,5-dimethyl-1,2-phenylene moiety of vitamin B12. Alworth WL, et al.
Biochem Biophys Res Commun 40:1028-31, 10 Sep 70
Catabolism of betaine and its relationship to cobalamin overproduction. White RF, et al.
Biochim Biophys Acta 237:112-9, 20 Apr 71
The production of vitamin B 12 in the horse. Davies ME.
Br Vet J 127:34-6, Jan 71
Some factors influencing vitamin B 12 production by Pseudomonas denitrificans. Daniels HJ.
Can J Microbiol 16:809-15, Sep 70
Origin of the D-1-aminopropan-2-ol fragment of vitamin B12. Lowe DA, et al. J Gen Microbiol 64:119-22, Nov 70
Synthesis of cobalamin coenzymes by human cells in tissue culture. Mahoney MJ, et al.
J Lab Clin Med 78:302-8, Aug 71
Production and absorption of vitamin B 12 in the sheep--a preliminary study. Elliot JM, et al.
Life Sci [I] 10:647-54, 1 Jun 71
Biosynthesis of vitamin B 12 by Propionibacterium shermanii. IV. Vitamin B 12 and porphyrin synthesis in relation to the metabolic activities of the bacterium. Osman HG, et al. Z Allg Mikrobiol 11:143-8, 1971
[Uroporphyrinogen participation 3 in the biosynthesis of the corrin ring] Müller G, et al.
Hoppe Seylers Z Physiol Chem 352:143-50, Feb 71 (Ger)
[Effect of various factors on the production of vitamin B 12 and catalase activity of Propionibacterium shermanii cultures] Simon A.
Zentralbl Bakteriol [Naturwiss] 122:143-54, 1968 (Ger)
[Biosynthesis of vitamin B12 and porphyrins by thermophilic methane-forming bacteria] Bykhovskiĭ VIa, et al.
Dokl Akad Nauk SSSR 191:221-3, Mar-Apr 70 (Rus)
[Regulation of vitamin B-12 and prophyrin biosynthesis in Propionibacterium shermanii] Zaĭtseva NI, et al.
Dokl Akad Nauk SSSR 190:1476-9, Feb 70 (Rus)
[The effect of substrate (lactate) excess on growth and vitamin B-12 formation by Propionibacterium shermanii] Ibragimova SI, et al.
Izv Akad Nauk SSSR [Biol] 1:77-82, Jan-Feb 70 (Rus)
[The relation between nitrogen metabolism and the cobamide-synthetic capacity of Propionibacterium shermanii] Gebgardt AG, et al.
Mikrobiologiia 39:447-52, May-Jun 70 (Rus)
[Possibility of selecting active strains of Rhizobium from the riboflavin and cobalamin content in pure cultures] Shemakhanova NM, et al.
Mikrobiologiia 39:1026-9, Nov-Dec 70 (Rus)
[Biosynthesis of thiamine, riboflavin and vitamin B12 by some blue-green algae] Kopteva ZhP.
Mikrobiol Zh 32:429-33, May-Jun 70 (Ukr)
[Various factors determining cobalamine composition during methane fermentation] Kvasnikov EI, et al.
Mikrobiol Zh 31:563-8, Nov-Dec 69 (Ukr)
[Formation of vitamin B 12 by microorganisms isolated from active silts] Lazurkevich ZV, et al.
Mikrobiol Zh 31:443-9, Sep-Oct 69 (Ukr)
[The effect of substances mineralized in air tanks on vitamin B-12 formation by microorganisms in active silts] Lazurkevich ZV, et al.
Mikrobiol Zh 31:595-601, Nov-Dec 69 (Ukr)
[Morphologic characteristics and cultural features of a new producer of vitamin B 12--Achromobacter cobalamini sp] Shteĭnberg BI, et al.
Mikrobiol Zh 31:403-5, Jul-Sep 69 (Ukr)

BLOOD

Recognition and resolution of errors in the radioisotopic assay of serum vitamin B12. Frenkel EP, et al. Am J Clin Pathol 53:891-903, Jun 70
Laboratory criteria for the diagnosis of tropical sprue in Puerto Rico. Santini R, et al.
Am J Dig Dis 16:241-6, Mar 71
Monocytic vitamin B12-binding protein. Carmel R, et al.
Blood 37:360-6, Mar 71
Serum vitamin B12-binding capacity and muramidase changes with cyclic neutropenia induced by cytosine arabinoside. Carmel R, et al. Blood 37:31-9, Jan 71
Correation between vario blood white cell pools and the serum B12-binding capaities. Chikkappa G, et al.
Blood 37:142-51, Feb 71
Vitamin B12 levels in erythrocytes in anaemia due to folate deficiency. Harrison RJ.
Br J Haematol 20:623-8, Jun 71
Serum vitamin B 12 concentrations in the general population: a ten-year follow-up. Waters WE, et al.
Br J Haematol 20:521-6, May 71
Serum vitamin B 12 levels in Indian psychiatric patients. Jathar VS, et al.
Br J Psychiatry 117:699-704, Dec 70
Determination of serum vitamin B12 by an isotopic method. Konopka L, et al.
Bull Pol Med Sci Hist 13:150-3, Oct 70
Chromatographic and bioautographic estimation of plasma cobalamins in various disturbances of vitamin B12 metabolism. Linnell JC, et al.
Clin Sci 40:1-16, Jan 71
Serum vitamin B.12 values in psychiatric in-patients. Carney MW. Dis Nerv Syst 31:566-9, Aug 70
Inter-relations of folic acid and vitamin B 12 in drug-treated epileptic patients. Reynolds EH, et al.
Epilepsia 12:165-71, Jun 71
No effect of folic acid supplement on CSF folate and serum vitamin B12 in patients on anticonvulsants. Spaans F. Epilepsia 11:403-11, Dec 70
Vitamin B12 and folic acid status in tropical sprue. Mehta SK, et al. Indian J Med Res 59:265-70, Feb 71
Release of vitamin B12--binding protein by human leukocytes in vitro. Corcino J, et al.
J Clin Invest 49:2250-5, Dec 70
Studies on the 57Co vitamin B12 plasma level absorption test. Armstrong BK, et al.
J Clin Pathol 23:569-71, Oct 70
Use of the 'Analmatic clinical system' in the microbiological assay of vitamin B 12 and folic acid in serum. Colvin G, et al. J Clin Pathol 24:18-22, Feb 71
An assessment of serum 57Co cyanocobalamin as an index of vitamin B12 absorption. Donaldson D, et al.
J Clin Pathol 23:558-62, Oct 70
A two-dimensional chromato-bioautographic method for complete separation of individual plasma cobalamins. Linnell JC, et al.
J Clin Pathol 23:820-1, Dec 70
Nonleukemic elevation of serum vitamin B 12 and B 12-binding capacity levels resembling that in chronic myelogenous leukemia. Carmel R, et al.
J Lab Clin Med 78:289-97, Aug 71
Increased transcobalamin I in a leukemoid reaction. Hall CA, et al. J Lab Clin Med 78:298-301, Aug 71
Serum transcobalamin in myeloid leukemia. Rachmilewitz B, et al. J Lab Clin Med 78:275-88, Aug 71
Comparison of Schilling test and plasma level of cyanocobalamin Co 57. Coiner D, et al.
JAMA 215:1642-5, 8 Mar 71
Plasma-cobalamins in neuro-ophthalmological diseases. Wilson J, et al. Lancet 1:259-61, 6 Feb 71
Correlation of serum binders to clearance rates of intravenously administered 57Co B12. Gizis EJ, et al.
Proc Soc Exp Biol Med 136:736-7, Mar 71
Effect of human serum B12 binders on uptake of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vitamin B12 by isolated perfused rat liver. Toporek M, et al. Proc Soc Exp Biol Med 136:1119-21, Apr 71
Serum folate and cyanocobalamin in alcoholics. Carney MW. Q J Stud Alcohol 31:816-22, Dec 70
A radiosorbent technique for the assay of serum vitamin B12. Wide L, et al.
Scand J Clin Lab Invest 27:151-9, Apr 71
Vitamin B12 and its binding proteins in cirrhosis and infectious hepatitis. Jorgensen FS.
Scand J Haematol 7:322-4, 1970
[New views in megaloblastic anemia] Bastrup-Madsen P. Nord Med 85:966, 12 Aug 71 (Dan)
[Determination of serum vitamin B12, intrinsic factor and intrinsic factor antibodies] Karstoft H.
Nord Med 85:966-7, 12 Aug 71 (Dan)
[On the clinical aspects of serum transcobalamins] Fukuda M. Acta Haematol Jap 33:185-6, Apr 70 (Jap)
[B 12 values in the serum of patients with gastric resection] Rosseland B.
Nord Med 85:602, 13 May 71 (Nor)
[Behavior of vitamin B 12 in serum and liver tissue in liver cirrhosis] Górski MM, et al.
Pol Tyg Lek 25:1374-6, Sep 70 (Pol)
[Vitamin B 12 and serum protein content of the blood in hypo- and aplastic anemias] Zaftseva GA, et al.
Probl Gematol Pereliv Krovi 15:15-7, Dec 70 (Rus)
[Effect of drug therapy on protein bound to B12 vitamin in myeloid leukemia] Rachmilewitz M, et al.
Prensa Med Argent 58:275-8, 2 Apr 71 (Spa)

CEREBROSPINAL FLUID

An isotopic measurement of vitamin B12 in cerebrospinal fluid. Frenkel EP, et al.
Am J Clin Pathol 55:58-64, Jan 71

DIAGNOSTIC USE

[Atypical myelosis funicularis diagnosed by way of a 58 Co-labeled vitamin B 12 test] Bieniowa A, et al.
Pol Tyg Lek 26:601-2, 19 Apr 71 (Pol)

ISOLATION & PURIFICATION

Separation and determination of cobalamins on an SP-Sephadex column. Tortolani G, et al.
J Chromatogr 53:577-9, 23 Dec 71
[Separation of various cobalamins by column chromatography] Tortolani G, et al.
Farmaco [Prat] 25:772-5, Dec 70 (Ita)
[Corrinoid coenzymes synthesized by Methanobacillus kuzneceovii] Pchelkina VV, et al.
Biokhimiia 35:1007-13, Sep-Oct 70 (Rus)

METABOLISM

Relation of calcium to mucosal structure and vitamin B12 absorption in the canine intestine. Weisberg H, et al. Am J Pathol 61:141-60, Nov 70
Vitamin B 12 -binding proteins of man. Hall CA. Ann Intern Med 75:297-301, Aug 71 (28 ref.)
Absorption of vitamin B12 in rheumatoid arthritis. Pitcher CS, et al. Ann Rheum Dis 29:533-6, Sep 70
Studies on vitamin B12 metabolism in HeLa cells. Kerwar SS, et al.
Arch Biochem Biophys 142:231-7, Jan 71
Vitamin B12 in the rat kidney. Evidence for an association with lysosomes. Newmark P, et al.
Arch Biochem Biophys 141:121-30, Nov 70
A double isotope method to measure vitamin B 12 absorption. Campbell CB, et al.
Australas Ann Med 19:42-6, Feb 70
Methylcobalamin as an intermediate in mammalian methionine biosynthesis. Burke GT, et al.
Biochemistry 9:4297-302, 27 Oct 70
Effect of reduction of disulfide bonds on uptake of intrinsic factor-cyanocobalamin complex by homogenates of guinea pig ileum. Finkler AE, et al.
Biochim Biophys Acta 222:244-7, 27 Oct 70
A study of vitamin B 12 requirements in a patient with pernicious anemia and thyrotoxicosis: evidence of an increased need for vitamin B 12 in the presence of hyperthyroidism. Alperin JB, et al.
Blood 36:632-41, Nov 70
Coexistence of pernicious anaemia and chronic myeloid leukaemia: an experiment of nature involving vitamin B12 metabolism. Corcino JJ, et al.
Br J Haematol 20:511-20, May 71
Absorption of vitamin B12 by the guinea-pig. II. The subcellular localization of cyano-, methyl- and adenosyl-cobalamins and the effect of fluoroacetate on cyanocobalamin absorption. Peters TJ, et al.
Br J Haematol 20:123-9, Jan 71
Absorption of vitamin B12 in the guinea-pig. 3. The forms of vitamin B12 in ileal mucosa and portal plasma in the fasting state and during absorption of cyanocobalamin. Peters TJ, et al.
Br J Haematol 20:299-305, Mar 71
Absorption of vitamin B 12 by the guinea-pig. I. Subcellular localization of vitamin B 12 in the ileal enterocyte during absorption. Peters TJ, et al.
Br J Haematol 19:389-82, Sep 70
Changes in the metabolism of vitamin B12 and methionine in rats fed unheated soya-bean flour. Edelstein S, et al. Br J Nutr 24:735-40, Sep 70
The requirement of sheep for cobalt or for vitamin B12. Marston HR. Br J Nutr 24:615-33, Sep 70
Production, absorption, distribution and excretion of vitamin B 12 in sheep. Smith RM, et al.
Br J Nutr 24:857-77, Dec 70
Mechanisms in pernicious anaemia. Mooney FS, et al.
Br Med J 1:290, 30 Jan 71
Intrinsic-factor antibody and absorption of vtiamin B12 in pernicious anaemia. Rose MS, et al.
Br Med J 1:25-6, 2 Jan 71
Vitamin-B12 status of patients on long-term metformin therapy. Tomkin GH, et al. Br Med J 2:685-7, 19 Jun 71
Atypical funicular myuelosis diagnosed after determination of 58 Co-labeled vitamin B 12 . Bieniowa A, et al. Bull Pol Med Sci Hist 14:108-9, Jul 71
Effect of heat on the binding of vitamin B12 to serum transcobalamins. Gullberg R.
Clin Chim Acta 29:97-100, Jul 70
Premature development of intrinsic factor-mediated vitamin B12 absorption in the infant rat. Gallagher ND, et al. Gut 11:979, Nov 70
The correction of defective vit. B.12 absorption due to anti-convulsant drugs by folic acid. Callaghan N, et al.
Ir J Med Sci 3:401-7, Sep 70
Utilization of dietary vitamin B12 and cobalt by mature horses. Stillions MC, et al. J Anim Sci 32:252-5, Feb 71
Isolation of vitamin B 12 transport mutants of Escherichia coli. Di Girolamo PM, et al.
J Bacteriol 106:751-7, Jun 71
Transport of vitamin B 12 in Escherichia coli. Di Girolamo PM, et al. J Bacteriol 106:745-50, Jun 71
Vitamin B12 uptake by intestinal microorganisms: mechanism and relevance to syndromes of intestinal bacterial overgrowth. Giannella RA, et al.
J Clin Invest 50:1100-7, May 71
Placental transport of vitamin B12 in the pregnant rat. Graber SE, et al. J Clin Invest 50:1000-4, May 71
Vitamin B12 absorption in some neurological and neuroendocrine disorders. Donaldson D, et al.
J Clin Pathol 23:563-8, Oct 70
Effect of pH changes on the binding of vitamin B12 by intrinsic factor. Shum HY, et al.
J Clin Pathol 24:239-43, Apr 71
Variations in the amount and relative distribution of vitamin B12 and its analogs in the bovine rumen. Dryden LP, et al. J Dairy Sci 54:235-46, Feb 71
Studies on vitamin B 12 and folic acid absorption in patients with opisthorchis infection. Areekul S, et al.
J Med Assoc Thai 54:483-8, Jul 71
A physicist's interpretation of some aspects of vitamin B12 metabolism and its use to routinely estimate total-body B12. Boddy K. J Nucl Med 12:275-9, Jun 71
Simultaneous study of the absorption of tritiated pteroylglutamic acid and 60Co-vitamin B12. Musso AM, et al. J Nucl Med 11:569-75, Oct 70
Causes of the increased requirement for vitamin B 12, in rats subsisting on an unheated soybean flour diet. Edelstein S, et al. J Nutr 100:1377-82, Dec 70
The forms of vitamin B 12 in the ileal enterocyte of the guinea-pig during fasting and absorption of cyanocobalamin. Hoffbrand AV, et al.
J Physiol (Lond) 208:66P-67P, Jun 70
Attachment of the B12-binding principles obtained from Lactobacillus leichmannii to intestinal mucosa homogenates. Sasaki T.
J Vitaminol (Kyoto) 17:10-8, 10 Mar 71
Vitamin B 12 absorption tests. Their unreliability in postgastrectomy states. Mahmud K, et al.
JAMA 216:1167-71, 17 May 71
Vitamin-B 12 absorption and the Zollinger-Ellison syndrome. Shum HY, et al. Lancet 1:1303, 19 Jun 71
Vitamin-B12 absorption and the Zollinger-Ellison syndrome. Shum HY, et al. Lancet 1:1303, 19 Jun 71
Production and absorption of vitamin B 12 in the sheep--a preliminary study. Elliot JM, et al.
Life Sci [I] 10:647-54, 1 Jun 71
Vitamin B 12-binding substances in the gastric mucosa of mice as studied by sephadex gel filtration and isoelectric focusing. Flodh H, et al.
Life Sci [II] 7:155-9, 15 Feb 68
The pancreas and vitamin B12 absorption. Jeffries GH.
N Engl J Med 284:666-7, 25 Mar 71
Vitamin B 12 malabsorption in chronic pancreatic insufficiency. Toskes PP, et al.
N Engl J Med 284:627-32, 25 Mar 71
Vitamin B12-dependent methylmalonicaciduria: amino acid toxicity, long chain ketonuria, and protective effect of vitamin B12. Hsia YE, et al.
Pediatrics 46:497-507, Oct 70
Vitamin B12 dependency and cobalt-dependent metabolism. Scriver CR. Pediatrics 46:493-6, Oct 70
The vitamin B12-binding proteins of some amphibians. Sonneborn DW, et al.
Proc Soc Exp Biol Med 136:903-6, Mar 71
Effect of human serum B12 binders on uptake of vitamin B12 by isolated perfused rat liver. Toporek M, et al. Proc Soc Exp Biol Med 136:1119-21, Apr 71
The effects of chemotherapy on iron, folate, and vitamin B 12 metabolism in tuberculosis. Line DH, et al. Q J Med 40:331-40, Jul 71
Absorption of cyanocobalamin, coenzyme B 12 , methylcobalamin, and hydroxocobalamin at different dose levels. Adams JF, et al.
Scand J Gastroenterol 6:249-52, 1971
Vitamin B12 and its binding proteins in cirrhosis and infectious hepatitis. Jorgensen FS.
Scand J Haematol 7:322-4, 1970
Cobalamin and folate in burned mice. Lindstrand K, et al. Scand J Haematol 7:435-9, 1970
Vitamin B 12. Stadtman TC. Science 171:859-67, 5 Mar 71
Growth pattern of two types of vitamin B 12 auxotrophic mutants of Clostridium sticklandii. Schwartz AC, et al. Z Allg Mikrobiol 11:63-5, 1971
[Intestinal stasis syndrome] Paulsen S, et al.
Ugeskr Laeger 133:1126-8, 11 Jun 71 (Dan)
[The kidney and cobalamins] Arvy L.
Laval Med 41:393-428, Mar 70 (Fre)
[Resorption of vitamin B12 during long-term therapy with buformine. Schilling test] Wahl P.
Med Welt 35:1337, 28 Aug 71 (Ger)
[Iron and vitamin B12 absorption in patients with atrophic gastritis, gastrectomy and stomach resections] Pribilla W, et al.
Verh Dtsch Ges Inn Med 75:662-6, 1969 (Ger)
[The role of methionine in the metabolism of vitamin B 12- and methionine-dependent Escherichia coli strains] Simon A.
Zentralbl Bakteriol [Naturwiss] 124:498-507, 1970 (Ger)
[Blood levels and urinary elimination of three vitamins B 12 in the rat, rabbit and dog] Coppi G, et al.
Boll Soc Ital Biol Sper 46:886-9, 15 Nov 70 (Ita)
[Mechanism of reduction of disulfides by reduced vitamin B 12r] Scandurra R, et al.
Ric Sci 39:444-7, Apr-Jun 69 (Ita)
[Intrinsic factor mechanism and vitamin B12] Okuda K, et al. Acta Haematol Jap 33:181-2, Apr 70 (Jap)
[Anemias and metabolism of hematopoietic vitamins, with a special reference to vitamin B12 metabolism] Ukyo S. Acta Haematol Jap 33:173-4, Apr 70 (Jap)
[Vitamin B-12 metabolism in adrenocortical insufficiency] Pawelski S, et al.
Pol Arch Med Wewn 45:669-75, Nov 70 (Pol)
[Behavior of vitamin B 12 in serum and liver tissue in liver cirrhosis] Górski MM, et al.
Pol Tyg Lek 25:1374-6, Sep 70 (Pol)
[The use of the human whole-body counter in study of intestinal absorption with the aid of radioactive isotopes] Suseanu I, et al.
Med Interna (Bucur) 23:103-12, Jan 71 (Rum)
[Regulation of intestinal utilization of vitamin B 12] Volovoĭ VL, et al.
Fiziol Zh SSSR 56:1257-62, Sep 70 (Rus)
[Study of vitamin B 12-Co 58 metabolism after gastric resection by means of whole-body radiometry] Kaplan MA, et al. Med Radiol (Mosk) 15:34-9, Nov 70 (Rus)
[Some aspects of studying vitamin B 12 metabolism using radioisotope labels] Kharat'ian AM, et al.
Sov Med 33:16-22, Oct 70 (Rus)
[B 12 -absorption after transposition of jejunum and ileum in rats] Grönqvist B.
Nord Med 86:916, 29 Jul 71 (Swe)
[B12-binding protein of the gastric mucosa, cellular localization and significance for B12 absorption] Liedberg G, et al. Nord Med 85:120-1, 28 Jan 71 (Swe)

PHARMACODYNAMICS

Effect of vitamin B12 derivatives on urinary excretion of methylmalonic acid in liver diseases. Ueda M, et al.
Acta Med Okayama 24:365-72, Jun 70
Cobamides and ribonucleotide reduction. VII. Cob(II)alamin as a sensitive probe for the active center of ribonucleotide reductase. Hamilton JA, et al. Biochemistry 10:347-55, 19 Jan 71
Effect of cobalt and vitamin B12 on the peroxidase and iodinating activity of mouse thyroid and submaxillary gland: in vitro stimulation of vitamin B12 coenzyme on the iodination of tyrosine. Banerjee RK, et al.
Endocrinology 88:1456-64, Jun 71
Hydrocarbon-utilizing microorganism. Relationship of fatty acid composition and biosynthesis to hydrocarbon substrate and to vitamin B 12 level in Corynebacterium simplex. Fujii K, et al.
Eur J Biochem 17:552-60, Dec 70
Growth activity of 5-hydroxybenzimidazole analogue of vitamin B12 in chick. Mitani K, et al.
J Vitaminol (Kyoto) 16:243-6, Sep 70
Effect of vitamin B12 on the formation of collagen and nucleic acids in the albino rat skins and granulomas. Rao VH, et al. J Vitaminol (Kyoto) 16:253-8, 10 Dec 70
Effect of certain vitamins on the formation of cross-links in the collagen of lathyritic rats. Rao VH, et al. J Vitaminol (Kyoto) 17:19-23, 10 Mar 71
Influence of vitamin B 12 and glucose cycloacetoacetate hydrolysate to oxidative phosphorylation in liver mitochondria of rats fed an atherogenic diet. Reddi TG, et al. J Vitaminol (Kyoto) 17:101-4, 10 Jun 70
The effect of vitamin B 12 and methionine on folic acid uptake by rat liver. Gawthorne JM, et al.
Proc Soc Exp Biol Med 136:42-6, Jan 71
[Alimentary factors and avian infectious diseases. Research on the effect of a vitamin B 12 deficient diet on production of hemagglutination-inhibiting antibodies against avian pseudoplague virus]

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Compagnucci M, et al.
Acta Med Vet (Napoli) 15:427-45, Nov-Dec 69 (Ita)
[Anti-steatogenic hepatic action of 5,6-dimethylbenzimidazolyl-cobamide-coenzyme] Bergamaschi Dallorso M, et al.
Boll Soc Ital Biol Sper 45:1385-8, 30 Nov 69 (Ita)
[Clinical evaluation of a non-hormonic anabolizing agent, adenosylcobamide, a coenzyme of vitamin B 12, in geriatrics] Bottoni P.
G Gerontol 18:119-30, Feb 70 (Ita)
[Penetration of various radioisotope labeled drugs into the dental tissues] Raulo J, et al.
Rass Int Stomatol Prat 22:59-69, Mar-Apr 71 (Ita)
[Chlorophyll biosynthesis under the action of a cell extract of propionic acid bacteria] Godnev TN, et al.
Dokl Akad Nauk SSSR 186:228-30, May-Jun 69 (Rus)
[Comparative study of the effects of cyanocobalamine, hydroxicobalamine and vitamin B12 coenzyme of the growth of Saccharomyces cerevisiae] Mundo Salvador A. Rev Clin Esp 116:349-54, 28 Feb 70 (Spa)

PHYSIOLOGY

Some aspects of the role of vitamin B 12 and folic acid in DNA-thymidine sy nthesis in a neoplastic C3H mouse cell strain. Rotherham J, et al.
J Nati Cancer Inst 47:277-87, Aug 71
Vitamin B 12, intrinsic factor and immunological reactions in megaloblastic anaemia. Chanarin I.
Schweiz Med Wochenschr 100:1952-4, 14 Nov 70

THERAPEUTIC USE

Folate and vitamin B12 in epilepsy. Reynolds EH, et al.
Br Med J 4:246-7, 24 Oct 70
Disappearance of chromosomal abnormalities in megaloblastic anaemia after treatment. Keller R, et al.
Scand J Haematol 7:478-85, 1970
Is vitamin B12 a tonic? Schilling RF, et al.
Wis Med J 70:143-4, May 71
[Value of combined arginine and vitamins B 1, B 6, B 12 b (26 cases)] Plauchu M, et al.
Lyon Med 222:539-43, 12 Oct 69 (Fre)
[Vitamin B-12 electrophoresis in the treatment of cervical pain] Marenic S, et al.
Rhumatologie 21:261-6, Oct 69 (Fre)
[Antiphlogistic effect of a combination of dexamethasone, pyrazolone and vitamin B 12] Feyen H, et al. Arzneim Forsch 21:39-40, Jan 71 (Ger)
[Hepatitis course with and without vitamin B12--folic acid therapy] Börner E.
Med Welt 24:1107-12, 13 Jun 70 (Ger)
[Experiences with Ambene in rheumatic diseases] Vorberg G. Med Welt 49:2125-6, 5 Dec 70 (Ger)
[Catamnestic studies in porphyria cutanea tarda with special reference to therapy] Barth J, et al.
Z Gesamte Inn Med 26:66-74, 15 Jan 71 (Ger)
[Uridine enzymes in therapy of tinnitus and perceptual hypoacusia] Grande F.
Arch Ital Laringol 76:259-68, Sep-Oct 68 (Ita)
[Clinical use of 5,6-dimethylbenzimidazolo-5-desoxyadenosyicobamide coenzyme (cobamide) in the premature infant] Gaioni L, et al.
Clin Ter 55:549-56, 31 Dec 70 (Ita)
[Biometric study on the behavior of various clinical signs taken as parameters of the effects of the various components of a combination of hepatovitaminic and adrenocortical factors] Macchia R, et al.
Clin Ter 54:21-78, 15 Jul 70 (Ita)
[Influence of treatment with nucleosides, liver extract and vitamin B 12 on various hepatic functional defects and on cellular proliferation of bone marrow in chronic liver diseases] Turpini R.
Clin Ter 53:9-23, 15 Apr 70 (Ita)
[A hepato-protector in the treatment of long bed-ridden old persons affected with chronic diseases] Bonini M. G Gerontol 17:279-86, Mar 69 (Ita)
[Use in cardiology of a preparation of 3 coenzymes] Chiti E. Minerva Cardioangiol 18:381-9, Jun 70 (Ita)
[The behavior of the sulfobromophthalein chromoelimination curves subjects with ethylic hepatopathy treated with a liver extract enriched with nucleosides of the pyrimidine series and ith cyanocobalamine] D'Agostino F.
Minerva Med 61:4893-901, 31 Oct 70 (Ita)
[Treatment of patients with chronic liver diseases with a hepatotrophic preparation] Pagliaro L.
Minerva Med 62:2840-3, 21 Jul 71 (Ita)
[On the comparative results of the use of Clarisco in peripheral vascular diseases] Vittori C, et al.
Minerva Med Suppl 97:5585+, 5 Dec 70 (Ita)
[Studies on the use of liver extracts enriched with uridine, cytidine and vitamin B 12 in pediatric therapy] Rizzo A.
Minerva Pediatr 23:803-10, 5 May 71 (Ita)
[Exepin in pediatric practice] Russo U, et al.
Minerva Pediatr 23:811-5, 5 May 71 (Ita)
[Therapeutic effect of a combination product (taurine-nucleotides-vitamins) in the course of detoxication of psychiatric alcoholic patients] Dogliani P, et al.
Omnia Med Ther 48:165-74, Jan-Jun 70 (Ita)
[Nucleodoxin in the treatment of alcoholic myocardiopathies. Hemodynamic evaluations with the polygraphic method] Forattini C.
Omnia Med Ther 48:361-73, Jul-Sep 70 (Ita)
[Treatment of megaloblastic anemia] Kawakita Y, et al.
Acta Haematol Jap 33:175-6, Apr 70 (Jap)
[Volume dose leucocyte reduction rate. On the effect of the chemical radioprotector (inosine and coenzyme B12) for radiation leucopenia] Asakawa H.
Nippon Acta Radiol 30:811-3, Dec 70 (Jap)
[Vitamin B 12 and the nervous system] Myhre E.
Tidsskr Nor Laegeforen 90:1892-3, 15 Oct 70 (Nor)
[Comparative study of the effects of hydroxocobalamin and cyanocobalamin on rheumatic pains. (Double blind test)] Roimicher S, et al.
Hospital (Rio de J) 78:371-81, Aug 70 (Por)
[Effect of stimulators of nucleic acid synthesis on the myocardial contractile function in rheumatic heart disease] Mikunis RI, et al.
Kardiologiia 10:102-6, Nov 70 (Rus)
[Treatment of children with memory disorders with orotic and folic acids and vitamin B12] Dergachev VV, et al. Sov Med 33:78-82, Jul 70 (Rus)
[Vitamin B 12 treatment of children with hemolytic anemia] Evdokimova AI, et al.
Vopr Okhr Materin Det 16:88, Mar 71 (Rus)
[Use of pyrimidine base precursors in the treatment of patients with recurrent rheumatism] Mikunis RI, et al. Vopr Revm 11:83-6, Jan-Mar 71 (Rus)
[The effect of drug therapy on the processes of cerebralcompensation (an experimental study)] Barashnev IuI.
Zh Nevropatol Psikhiatr 70:1815-9, 1970 (Rus)
[Effectiveness of treatment of schizophrenia with vitamin B 12 in combination with insulin] Skal'nyi VV.
Zh Nevropatol Psikhiatr 70:1718-21, 1970 (Rus)

TOXICITY

[Experimental studies of the ototoxicity of some drugs] D'Avino A, et al.
Minerva Otorinolaringol 21:156-61, Jul-Aug 71 (Ita)

URINE

Vitamin B12 excretion in patients with various skin diseases. Marks J, et al. Br Med J 3:618-21, 12 Sep 70

VITAMIN B 12 DEFICIENCY (C13)

Vitamin B12 and folic acid deficiency in nutritional megaloblastic anaemia of infancy and childhood. Singla PN, et al. Indian J Med Res 58:599-604, May 70
Vitamin B12 deficiency in the rat fed high protein rations. Dryden LP, et al. J Nutr 101:579-87, May 71

BLOOD

Chromatographic and bioautographic estimation of plasma cobalamins in various disturbances of vitamin B12 metabolism. Linnell JC, et al.
Clin Sci 40:1-16, Jan 71
A radiosorbent technique for the assay of serum vitamin B12. Wide L, et al.
Scand J Clin Lab Invest 27:151-9, Apr 71

CHEMICALLY INDUCED

Vitamin B 12 and metformin. Stowers JM, et al.
Br Med J 3:246-7, 24 Jul 71

COMPLICATIONS

Sjögren's syndrome associated with vitamin B12 deficiency. Wegelius O, et al.
Acta Rheumatol Scand 16:184-90, 1970
Paroxysmal positional vertigo in vitamin B12 deficiency. Mahmud K, et al.
Arch Otolaryngol 92:278-80, Sep 70
Recent advances in the megaloblastic anaemias. Hoffbrand AV. Br J Clin Pract 25:257-62, Jun 71
Serum vitamin B 12 and or folic acid deficiency in childhood anaemias. Majumdar S, et al.
Indian Pediatr 7:455-61, Aug 70
[Psychoses in vitamin B 12 deficiency] Pribilla W.
Verh Dtsch Ges Inn Med 75:977-84, 1969 (Ger)
[Neurological manifestations in Vitamin B 12 deficiency] Rachmilewitz M.
Harefuah 77:269-71, 1 Oct 69 (Heb)
[Megaloblastic anemias in childhood] Gatto I.
Pediatria (Napoli) 78:370-95, 30 Jul 70 (Ita)
[Vitamin B 12 and the nervous system] Myhre E.
Tidsskr Nor Laegeforen 90:1892-3, 15 Oct 70 (Nor)

DIAGNOSIS

Diagnosis of vitamin B 12 deficiency in psychiatric patients. Webb MG, et al.
J Ir Med Assoc 64:403-8, 5 Aug 71
Vitamin B 12 absorption tests. Their unreliability in postgastrectomy states. Mahmud K, et al.
JAMA 216:1167-71, 17 May 71
[Urinary methylmalonyl acid determination by oral loading of l-valine] Ukyo S, et al.
Jap J Clin Med 28:2801-8, Dec 70 (34 ref.) (Jap)
[Clinical significance of studies on metabolic precursors of methylmalonic acid in vitamin B 12 deficiency] Wysocki K, et al.
Pol Arch Med Wewn 45:885-91, Nov 70 (Pol)

DRUG THERAPY

Dosage of hydroxocobalamin for vitamin B12 deficiency. Skouby AP.
Acta Med Scand 188:31-6, Jul-Aug 70
Response to folinic acid in B 12 -deficiency anaemia. Whitehead VM, et al. Lancet 2:552-4, 4 Sep 71
[Occurrence of antibodies against transcobalamin II in relation to the number of and the intervals between depot therapy with hydroxocobalamin] Hippe E, et al.
Nord Med 84:1570, 3 Dec 70 (Swe)

ETIOLOGY

Study of vitamin B12 and folic acid deficiency in hookworm disease. Saraya AK, et al.
Am J Clin Nutr 24:3-6, Jan 71
Vitamin B 12 absorption tests. Their unreliability in postgastrectomy states. Mahmud K, et al.
JAMA 216:1167-71, 17 May 71
[Late neurologic symptoms after partial gasterectomy] De Fine Olivarius B.
Nord Med 85:476-7, 15 Apr 71 (Dan)
[Megaloblastic anemia with a defect of intestinal absorption of vitamin B12. Congenital or acquired disorder?] Bonnette J, et al.
Ann Pediatr (Paris) 18:235-41, 2 Mar 71 (Fre)
[Tumor anemias] Pribilla W.
Dtsch Med Wochenschr 96:754-6, 23 Apr 71 (Ger)
[B 12 values in the serum of patients with gastric resection] Rosseland B.
Nord Med 85:602, 13 May 71 (Nor)
[Anemia following gastrectomy] Rygvold O.
Tidsskr Nor Laegeforen 91:1210-4, 10 Jun 71 (21 ref.) (Nor)

METABOLISM

Observations on folate metabolism in rats on a vitamin B 12-deficient diet. Williams DL, et al.
Br J Haematol 19:353-60, Sep 70
Some metabolic aspects of vitamin B 12 deficiency in sheep. Smith RM, et al. Br J Nutr 24:879-91, Dec 70
Metabolism of propionate by pair-fed vitamin B12-deficient and vitamin B12-treated sheep. Smith RM, et al. Br J Nutr 26:41-53, Jul 71
Effect of methylmalonyl coenzyme A, a metabolite which accumulates in vitamin B 12 deficiency, on fatty acid synthesis. Cardinale GJ, et al.
J Biol Chem 245:3771-5, 10 Aug 70
Effect of vitamin B12 on the metabolism in the rat of volatile fatty acids. Dryden LP, et al.
J Nutr 101:589-92, May 71
Urinary methylmalonate and hepatic methylmalonyl coenzyme A mutase activity in the vitamin B12-deficient rat. Reed EB, et al.
J Nutr 100:935-47, Aug 70
Biochemical observations in experimental vitamin B12 deficiency. Dreyfus PM.
Neurology (Minneap) 20:402, Apr 70
The incorporation of acetate-2-14C and mevalonate-2-14C into cholesterol during vitamin B12 deficiency. Armstead EE, et al.
Proc Soc Exp Biol Med 136:911-5, Mar 71
[Nucleic acid metabolism in vitamin B12 deficiency] Takaku F, et al.
Acta Haematol Jap 33:171-2, Apr 70 (Jap)

PATHOLOGY

Degeneration in the peripheral visual pathway of vitamin B12-deficient monkeys. Hind VM.
Trans Ophthalmol Soc UK 90:839-46, 1970

VETERINARY

Some metabolic aspects of vitamin B 12 deficiency in sheep. Smith RM, et al. Br J Nutr 24:879-91, Dec 70
[Alimentary factors and avian infectious diseases. Research on the effect of a vitamin B 12 deficient diet on production of hemagglutination-inhibiting antibodies against avian pseudoplague virus] Compagnucci M, et al.
Acta Med Vet (Napoli) 15:427-45, Nov-Dec 69 (Ita)

VITAMIN B T see CARNITINE (D11)

VITAMIN C see ASCORBIC ACID (D11)

VITAMIN D (D11)

The effect of heat-labile serum factors on vitamin D-induced arteriosclerosis in mice. Geertinger P, et al. Acta Pathol Microbiol Scand [A] 78:729-33, 1970
Potentiation of metastatic calcification in vitamin D-treated rats by magnesium. Whittier FC, et al.
Am J Physiol 220:209-12, Jan 71
Effects of hypervitaminosis D2 altered by pregnancy in rats: hyperlipidemia and fatty liver degeneration with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

restrained injuries to the cardiovascular system and other organs. Ornoy A, et al.
Isr J Med Sci 6:622-9, Sep-Oct 70
Vitamin D: a new look at an old vitamin. DeLuca HF.
Nutr Rev 29:179-81, Aug 71
Vitamin-D-resistant osteomalacia as a cause of cord compression. Highman JH, et al.
Q J Med 39:529-37, Oct 70
Histoenzymological study of aortic medial necrosis induced by vitamin D in the rabbit aorta. Ebel A, et al.
Rev Eur Etud Clin Biol 16:35-41, Jan-Feb 71
Requirements of ascorbic acid, vitamin D, vitamin B12, folate, and iron. Report of a Joint FAO-WHO Expert Group. WHO Tech Rep Ser 452:1-75, 1970

ADMINISTRATION & DOSAGE

Effect of different doses of vitamin D on serum cholesterol and triglyceride levels in healthy men. Carlson LA, et al. Atherosclerosis 12:313-7, Sep-Oct 70
Therapeutic studies in vitamin D refractory rickets. Report of four cases. Lapatsanis P, et al.
Isr J Med Sci 7:537-9, Mar 71
Vitamin D2 and cholesterolemia in the growing rat. Jurgens MH, et al. J Nutr 101:153-9, Feb 71
Toward better therapy for resistant rickets. West CD.
J Pediatr 79:181-2, Jul 71
Repeated doses of vitamin D in rickets. Khalifa AS, et al. J Trop Med Hyg 74:68-9, Mar 71
Controlled trial of fluoride in vitamin drops for prevention of caries in children. Hamberg L.
Lancet 1:441-2, 27 Feb 71
Factors affecting the transfer of calcium (45Ca) from the hen's diet to the egg shell. Bragg DB, et al.
Poult Sci 50:167-73, Jan 71
[Tooth changes in genuine vitamin-D-resistant rickets] Schneider HR.
Schweiz Monatsschr Zahnheilkd 80:1154-62, 1970 (Ger)
[The effect of high doses of vitamin D2 on erythropoiesis] Spirichev VB, et al.
Biull Eksp Biol Med 66:32-4, Nov 68 (Rus)

ADVERSE EFFECTS

Possible detrimental effect of large doses of vitamin D in familial hypophysphatemic vitamin D-resistant rickets. Stickler GB, et al. J Pediatr 79:68-71, Jul 71
Hypervitaminosis D, anaemia and renal failure. Gabriel R, et al. Postgrad Med J 46:455-7, Jul 70
[Extreme hypercalcemia probably due to oversensitivity to vitamin D in a case of idiopathic hypoparathyroidism] Abrahamov A, et al.
Harefuah 78:385-7, 15 Apr 70 (Heb)
[Studies on the influence of experimental D 3 hypervitaminosis on white rats] Zawistowski S, et al.
Folia Morphol (Warsz) 29:373-81, 1970 (Pol)

ANALYSIS

A gas-chromatographic method for the determination of vitamin D in fortified non-fat dried milk. Panalaks T. Analyst 95:862-7, Oct 70
[Conditions for the spectrophotometric determination of vitamin D following thin-layer chromatography] Cerný J. Cesk Farm 20:103-6, Apr 71 (Cze)
[Presence of vitamin D in the higher plants] Raoul Y.
Bull Acad Natl Med (Paris) 154:748-54, 3 Nov 70 (Fre)
[Sterols and morphogenesis in Coprinus lagopus Fries] Défago G, et al.
Zentralbl Bakteriol [Naturwiss] 126:1-7, 1971 (Fre)
[Determination of vitamin D from biological material (milk)] Janecke H, et al.
Naturwissenschaften 58:54-5, Jan 71 (Ger)

ANTAGONISTS & INHIBITORS

Complement as a factor in arteriosclerosis. Geertinger P, et al. Acta Pathol Microbiol Scand [A] 78:284-8, 1970
Effect of cortisone treatment on the active transport of calcium by the small intestine. Kimberg DV, et al.
J Clin Invest 50:1309-21, Jun 71

BIOSYNTHESIS

Utilization of malonyl-CoA for the biosynthesis of beta-carotene and ergosterol in cell-free preparations from Blakeslea trispora. Neujahr HY, et al.
Acta Chem Scand 24:2361-5, 1970
Inhibition of ergosterol synthesis in cell-free extracts of yeast by bile acid. Hatanaka H, et al.
Biochem Biophys Res Commun 40:786-92, 24 Aug 70
Sterol accumulation in a mutant of Saccharomyces cerevisiae defective in ergosterol production. Thompson ED, et al.
Biochem Biophys Res Commun 43:1304-9, 18 Jun 71

BLOOD

Normophosphatemic vitamin D-resistant osteomalacia in a patient with normal calcium and fat absorption. Waron M, et al. Ann Intern Med 75:415-9, Sep 71
[Problems of a physiologic vitamin D depots. 3. Vitamin D activity in the blood of calves and milk cow] Günther K, et al. Z Tierphysiol 21:40-50, Feb 66 (Ger)

CHEMICAL SYNTHESIS

Hydroxylated vitamin D analogues. Bontekoe JS, et al.
Int Z Vitaminforsch 40:589-91, 1970

HISTORY

[Richitis 1967--rachitism 1854] Pechstein J.
Z Allgemeinmed 47:67-70, 20 Jan 71 (Ger)

ISOLATION & PURIFICATION

[Ergosterol produced by Oospora virescens Link (Wallr.)] Varenne J, et al.
Biochimie 53:281-2, 1971 (Fre)

METABOLISM

Role of the duodenum in vitamin D3 absorption in man. Hollander D, et al. Am J Dig Dis 16:145-9, Feb 71
The apparent vitamin D resistance of chronic renal failure. A study of the physiology of vitamin D in man. Lumb GA, et al. Am J Med 50:421-41, Apr 71
The nature of vitamin D resistance in experimental uremia. Kimberg DV, et al.
Arch Intern Med 126:891-5, Nov 70
Metabolism of 25-hydroxycholecalciferol in target and nontarget tissues. Cousins RJ, et al.
Biochemistry 9:3649-52, 15 Sep 70
The effect of different sodium-contents in the diet and of hydrochlorothiazide on calcium and strontium transport and on vitamin D activity. Macagno F, et al.
Helv Paediatr Acta 25:620-5, Dec 70
Vitamin D metabolism in experimental uremia. Herrath D von, et al. Isr J Med Sci 7:536-7, Mar 71
Effect of cortisone on vitamin D metabolism. Schaefer K, et al. Isr J Med Sci 7:533-4, Mar 71
On the subcellular location of vitamin D metabolites in intestine. Chen TC, et al.
J Biol Chem 245:3776-80, 10 Aug 70
Effect of cortisone on vitamin D metabolim in rat plasma. Herrath D von, et al.
Klin Wochenschr 49:48-9, Jan 71
Nutritional osteomalacia in immigrants in an urban community. Swan CH, et al. Lancet 2:356-9, 28 Aug 71
Role of kidney tissue in metabolism of vitamin D. DeLuca HF. N Engl J Med 284:554-5, 11 Mar 71
Identification of 1,25-dihydroxycholecalciferol, a new kidney hormone controlling calcium metabolism. Lawson DE, et al. Nature (Lond) 230:228-30, 26 Mar 71
Vitamin D metabolism in experimental uraemia: effects on intestinal transport 45 Ca and on formation of 1,25-dihydroxycholecalciferol in rat. Hill LF, et al.
Nature [New Biol] 232:189-91, 11 Aug 71
Evidence for formation of 1,25-dihydroxycholecalciferol during metabolism of vitamin D in man. Mawer EB, et al.
Nature [New Biol] 232:188-9, 11 Aug 71
Vitamin D dependency: an inherited postnatal syndrome with secondary hyperparathyroidism. Arnaud C, et al. Pediatrics 46:871-80, Dec 70
Vitamin D: new findings on its metabolism and its role in calcium nutrition. Lawson DE.
Proc Nutr Soc 30:47-58, May 71
The lag period after vitamin D administration. Royer P, et al. Rev Eur Etud Clin Biol 15:837-40, Oct 70 (14 ref.)
Vitamin D metabolism: the role of kidney tissue. Gray R, et al. Science 172:1232-4, 18 Jun 71
[New data on vitamin D metabolism] Burmeister W.
Arch Kinderheilkd 183:1-4, May 71 (27 ref.) (Ger)
[Vitamin D metabolism and kidney failure] Schaeffer K, et al. Klin Wochenschr 48:1129-31, 15 Sep 70 (Ger)
[Pathogenesis of vitamin D-resistant rickets (phosphate diabetes)] Planeta-Malecka I, et al.
Wiad Lek 24:559-62, 15 Mar 71 (Pol)
[Metabolism of vitamins B1, B2, B6, C, A and D in normal pregnancy and complicated by hypochromic anemia] Abdurakhmanov MK.
Akush Ginekol (Mosk) 47:10-5, Jun 71 (Rus)
[The parathyroids and calcitonin. Study of its clinical physiology. II. Thyrocalcitonin and vitamin D; metabolic actions; study of its physiopathology] Garrido B, et al.
Rev Iber Endocrinol 18:49-82, Jan-Feb 71 (115 ref.) (Spa)

PHARMACODYNAMICS

Studies on the mechanism of action of calciferol. 3. Vitamin D-mediated increase of intestinal brush order alkaline phosphatase activity. Norman AW, et al.
Biochim Biophys Acta 215:348-59, 14 Aug 70
Studies on the mechanism of action of calciferol. IV. Interaction of the polyene antibiotic, filipin, with intestinal mucosal membranes from vitamin D-treated and vitamin D-deficient chicks. Wong RG, et al. Biochim Biophys Acta 219:61-72, 1970
The effect of vitamin D in rats maintained on diets with different mineral content but with the same calcium to phosphorus ratio of unity. Harrand RB, et al.
Br J Nutr 24:929-42, Dec 70
The relationship between the actions of vitamin D, parathyroid hormone and calcitonin. Rasmussen H, et al. Calcif Tissue Res 6:265-79, 1971
Effect of vitamin D2 stimulation on amine stores and secretory granules in the calcitonin cells of the mouse. Melander A, et al. Histochemie 25:32-44, 1971
Concomitant depletion of dopamine and secretory granules from cells in the ultimobranchial gland of vitamin D2-treated chicken. Melander A, et al.
Histochemie 25:21-31, 1971
Effect of vitamin D2 and of ergosterol peroxide on deamination of mono- and diamines in liver mitochondria and on the activity of highly purified preparations of mitochondrial monoamine oxidases. Akopyan ZI, et al. Int Z Vitaminforsch 40:497-504, 1970
Influences of calcium intake and vitamin D supplementation on reproductive performance of dairy cows. Ward G, et al. J Dairy Sci 54:204-6, Feb 71
Vitamin D dependent calcium binding protein in rat intestinal mucosa. Ooizumi K, et al.
J Vitaminol (Kyoto) 16:228-34, Sep 70
Induction of intestinal brush border alkaline phosphatase by vitamin D and identity with ca-ATPase. Haussler M, et al.
Nature (Lond) 228:1199-201, 19 Dec 70
Dibutyryl cyclic AMP, vitamin D, and calcium absorption. Nutr Rev 28:265-6, Oct 70
Vitamin D stimulation of calcium-dependent adenosine triphosphatase. Nutr Rev 28:269-71, Oct 70
Intestinal calcium-binding protein and rickets. Krawitt EL, et al. Proc Soc Exp Biol Med 136:530-3, Feb 71
[Effects of bile acids and vitamin D on calcium absorption in rats] Webling DD.
Experientia 26:1316-7, 15 Dec 70 (Ger)
[The mode of action of vitamin D and its importance in animal nutrition. 2] Günther K.
Z Tierphysiol 22:8-25, Dec 66 (Ger)
[Studies on the skeletal development and ossification in chickens. 3. Ossification of the total skeleton and single skeletal parts up to the 28th day of life dependent on calcium-phosphorus feed content under the influence of vitamin D] Günther K, et al.
Z Tierphysiol 24:10-27, Jun 68 (Ger)
[Effects of D-vitamins and their importance in animal nutrition] Günther K.
Z Tierphysiol 21:361-83, Oct 66 (Ger)
[Physiology of vitamin D] Or-Noy A.
Harefuah 79:519-20, 1 Dec 70 (Heb)
[Alkaline phosphatase and inorganic phosphorous activity in livers, and kidneys of adrenalectomized rats treated simultaneously with vitamin D] Spinetti-Berti M, et al. Acta Cient Venez 21:61-4, 1970 (Spa)

PHYSIOLOGY

Comparison of activity of 25-hydroxycholecalciferol and dihydrotachysterol in the thyroparathyroidectomized rat. Harrison HC, et al.
Proc Soc Exp Biol Med 136:411-4, Feb 71

POISONING

Treatment of vitamin D intoxication. Favus MJ.
N Engl J Med 283:1468-9, 24 Dec 70
An experiment on a baby with idiopathic hypercalcaemia. Dent CE.
Proc R Soc Med 63:990, Oct 70
[Secondary cystathioninuria] Endres W, et al.
Z Kinderheilkd 110:46-58, 1971 (Ger)
[The osseous manifestations of hypervitaminosis D] Guicciardi E, et al.
Minerva Ortop 21:474-9, Aug-Sep 70 (Ita)

THERAPEUTIC USE

The prevalence of halo volumes in familial vitamin D-resistant rickets. Buss RO, et al.
Calcif Tissue Res 7:76-80, 1971
The metabolism of isotopically labelled vitamin D3 in man: the influence of the state of vitamin D nutrition. Mawer EB, et al. Clin Sci 40:39-53, Jan 71
Analysis of dentine pathogenesis in vitamin D--resistant rickets. Tracy WE, et al.
Oral Surg 32:38-44, Jul 71
Vitamin D in rickets and hypophosphatemia. Mayer J.
Postgrad Med 48:280-1, Nov 70
[Hypophosphoremic vitamin-resistant osteomalacia in adults (apropos of a case)] Laporte G, et al.
Bord Med 4:197-10 passim, Jan 71 (Fre)
[Outcome of osseous lesions of hyperparathyroidism in a patient with chronic renal failure treated with high doses of vitamin D] Verberckmoes R, et al.
J Urol Nephrol (Paris) 76:790-7, Sep 70 (Fre)
[Treatment of chronic bronchitis by vitamin-vaccino-balsamic compound] Michetti F.
Rev Med Suisse Romande 91:131-6, Feb 71 (Fre)
[Aquired osteomalacia resistant to vitamin D] Bobadilla E, et al. Rev Med Chil 98:695-8, Oct 70 (Spa)

TOXICITY

[Effect of magnesium supply on the toxicity of Vitamin D3 in cattle] Meyer H, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Dtsch Tieraerztl Wochenschr 77:495-500, 1 Oct 70 (Ger)

VITAMIN D DEFICIENCY (C13)

Chemical studies of cortical diaphyseal bone during vitamin D deficiency in the rat. Hjertquist SO, et al. Acta Orthop Scand [Suppl] 136:Suppl 136:55+, 1970
Effect of parathyroid hormone in the absence of vitamin D1. Sevastikoglou JA, et al. Acta Orthop Scand [Suppl] 136:Suppl 136:33+, 1970
The effect of deficiencies of calcium, vitamin D or calcium and vitamin D and of variations in the source of dietary protein on the supporting tissues of the rat molar. Oliver WM. J Periodont Res 4:56-9, 1969
Rickets. Loomis WF. Sci Am 223:76-82 passim, Dec 70

BLOOD

Skeletal and plasma calcium changes in chicks during recovery from vitamin D deficiency with normal and low calcium intakes. Thornton PA. J Nutr 100:1197-204, Oct 70

CHEMICALLY INDUCED

Hypocalcemia and osteomalacia associated with anticonvulsant therapy. Frame B. Ann Intern Med 74:294-5, Feb 71

COMPLICATIONS

Observations on nutritional rickets in childhood. Antia AU. West Afr Med J 19:169-72, Dec 70
[Biologic basis of the sensitivity of rickets to vitamin D] Scriver CR. Union Med Can 100:462-74, Mar 71 (Fre)
[The effect of vitamin D deficiency on the hair growth in rats] Rubisz-Brzezinska J. Arch Klin Exp Dermatol 239:185-90, 1970 (Ger)
[Clinical and pathogenetic significance of hypocalcemia in rachitis caused by vitamin D deficiency] De Cicco N, et al. Pediatria (Napoli) 77:217-28, 1969 (Ita)
[Changes in the mastication organ in children in the course of rickets caused by vitamin D deficiency] Wróblewska-Cieliszak K, et al. Pediatr Pol 46:269-78, Mar 71 (Pol)
[Aquired osteomalacia resistant to vitamin D] Bobadilla E, et al. Rev Med Chil 98:695-8, Oct 70 (Spa)

DRUG THERAPY

[Case of vitamin D dependency--influence of VD3 on calcium absorption of the intestine] Tsuji T, et al. Acta Paediatr Jap 75:504-10, 1971 (Jap)

ENZYMOLOGY

Factors affecting bone enzymatic activity in vitamin D-deficient rats. Wergedal JE, et al. Am J Physiol 220:406-9, Feb 71
Alkaline phosphatase in normal infants. Stephen JM, et al. Arch Dis Child 46:185-8, Apr 71

ETIOLOGY

Hypophosphataemic osteomalacia in adults. Lancet 1:1343, 26 Jun 71 (7 ref.)
Vitamin D deficiency after gastrectomy. Thompson GR. Sci Basis Med Annu Rev 260-75, 1970 (51 ref.)
[Incidence and causes of hypovitaminosis D among persons in an old age home] Berthaux P, et al. Int Z Vitaminforsch 40:489-96, 1970 (Fre)

METABOLISM

Vitamin D and skeletal metabolism. Experimental studies in the rat. Introduction. Sevastikoglou JA, et al. Acta Orthop Scand [Suppl] 136:Suppl 136:5+, 1970
Studies on the mechanism of action of calciferol. IV. Interaction of the polyene antibiotic, filipin, with intestinal mucosal membranes from vitamin D-treated and vitamin D-deficient chicks. Wong RG, et al. Biochim Biophys Acta 219:61-72, 1970
The metabolism of isotopically labelled vitamin D3 in man: the influence of the state of vitamin D nutrition. Mawer EB, et al. Clin Sci 40:39-53, Jan 71
Effect of age and vitamin D deficiency on the uptake of alkaline earth metals by at bone. Dupuis Y, et al. Isr J Med Sci 7:534-6, Mar 71
Intestinal transport of calcium in experimental uremia. Ritz E, et al. Isr J Med Sci 7:391-2, Mar 71
Vitamin-D deficiency and primary hyperparathyroidism. Woodhouse NJ, et al. Lancet 2:283-6, 7 Aug 71
The effect of vitamin D deficiency on the lipids of bone matrix. Cruess RL, et al. Proc Soc Exp Biol Med 136:415-9, Feb 71
Intestinal calcium-binding protein and rickets. Krawitt EL, et al. Proc Soc Exp Biol Med 136:530-3, Feb 71
Vitamin D metabolism: the role of kidney tissue. Gray R, et al. Science 172:1232-4, 18 Jun 71
[Kinetics of the utilization of alkaline earth in the aged rat constantly vitamin D deficient] Dupuis Y. C R Acad Sci [D] (Paris) 272:1662-4, 22 Mar 71 (Fre)
[Vitamin D deficiency rachitis] Wilhelm G. Monatsschr Kinderheilkd 117:653-9, Dec 69 (90 ref.) (Ger)

OCCURRENCE

[Incidence and causes of hypovitaminosis D among persons in an old age home] Berthaux P, et al. Int Z Vitaminforsch 40:489-96, 1970 (Fre)

PATHOLOGY

[Biologic and histologic study o vitamin D deficiency in the aged] Pansu D, et al. Rev Lyon Med 19:139-48, 28 Feb 70 (Fre)

THERAPY

[Effect of insolation regime on the course of experimental diseases in animals] Prokopenko Iul. Gig Sanit 36:27-31, 1971 (Rus)

VETERINARY

Osteodystrophy associated with apparent hypovitaminosis-D in yearling cattle. Spratling FR, et al. Br Vet J 126:316-24, Jun 70
[Histological studies of tissue damages in chick embryos caused by vitamin D deficiency of chickens] Karb B. Z Tierphysiol 25:43-63, Mar 69 (Ger)

VITAMIN D 2 see ERGOCALCIFEROL (D11)

VITAMIN D 3 see CHOLECALCIFEROL (D11)

VITAMIN DEFICIENCY see AVITAMINOSIS (C13)

VITAMIN E (D11)

Electrochemical studies of the redox behavior of alpha-tocopheryiquinone and a related model quinone. Marcus MF, et al. Biochim Biophys Acta 222:163-73, 27 Oct 70
Methods for determining vitamin E requirement in ducklings. II. Myopathy, serum enzymes and serum proteins. Jager FC, et al. Int Z Vitaminforsch 40:597-603, 1970
Methods for determining vitamin E requirement in ducklings. I. Myopathy, in-vitro haemolysis and leucocyte count. Jager FC, et al. Int Z Vitaminforsch 40:592-6, 1970
Target for tocopherol. Vaisrui S. JAMA 217:1545, 13 Sep 71
UV spectrophotometry of autoxidized lipid monolayers while on silica gel. Porter WL, et al. Lipids 6:16-25, Jan 71
An addition compound of oxidized tocopherol and linoleic acid. Porter WL, et al. Lipids 6:1-8, Jan 71
Vitamin E in animal health. Herrick JB. Vet Med Small Anim Clin 66:500 passim, May 71

ADMINISTRATION & DOSAGE

Absorption of different doses of fat soluble and water miscible preparations of vitamin E in children with cystic fibrosis. Harries JT, et al. Arch Dis Child 46:341-4, Jun 71
Vitamin E therapy in abetalipoproteinaemia. Muller DR, et al. Arch Dis Child 45:715, Oct 70
A controlled trial of vitamin E therapy in infancy. Chadd MA, et al. Int Z Vitaminforsch 40:610-6, 1970
Excessive dietary vitamin E: its alleviation of hypervitaminosis A and lack of toxicity. McCuaig LW, et al. Poult Sci 49:1050-1, Jul 70
[13 years of medical treatment of evolutive myopia] Rouher F, et al. Arch Ophtalmol (Paris) 31:345-8, Apr 71 (Fre)
[Clinical experimental study of alpha-tocopheryl-quinone in rheumatology and rehabilitation] Doumerg C. Therapeutique 45:676-8, Jun-Jul 69 (Fre)
[Therapeutic studies with anthocyanins in long term therapy in ophthalmology] Neumann L. Klin Monatsbl Augenheilkd 158:592-7, Apr 71 (Ger)

ANALYSIS

Liver stores of alpha-tocopherol in a normal population dying suddenly and rapidly from unnatural causes in New York City. Underwood BA, et al. Am J Clin Nutr 23:1314-21, Oct 70
Method for the assay of free and esterified tocopherols. Chow CK, et al. Anal Biochem 32:81-90, 15 Oct 69
Gas-liquid chromatography of phytyl ubiquinone, vitamin E, vitamin K1, and homologs of vitamin K2. Dialameh GH, et al. Anal Biochem 32:263-72, Nov 69
The content of vitamin E in British diets. Smith CL, et al. Br J Nutr 26:89-96, Jul 71
Distribution of tocopherols within the corn kernel. Grams GW, et al. J Am Oil Chem Soc 47:337-9, Sep 70
Reactions of biological antioxidants. 3. Composition of biological membranes. Gruger EH Jr, et al. Lipids 6:147-8, Feb 71
Tocopherols in foods and fats. Slover HT. Lipids 6:291-6, May 71
Vitamin E and selenium in cows' milk. Millar KR, et al. NZ Med J 72:417, Dec 70
Vitamin E, oxygen consumption and peroxidation in tissues of lambs given cod liver oil. Rochester S, et al. Res Vet Sci 12:119-22, Mar 71
[Vitamin A and E determinations in slaughter pigs] Behrens H. Dtsch Tieraerztl Wochenschr 78:153-6, 1 Mar 71 (Ger)
[Results of alpha-tocopherol determination in pigs] Dannenberg HD, et al. Monatsh Vet Med 24:337-40, 1 May 69 (Ger)

BLOOD

The hydrogen peroxide fragility test and serum tocopherol level in anemias of various etiologies. Melhorn DK, et al. Blood 37:438-46, Apr 71
Serum tocopherol levels in normal children. Hatwalne BV, et al. Indian J Pediatr 37:509-10, Oct 70
Determination of plasma tocopherols by gas liquid chromatography. Lehmann J, et al. Lipids 6:35-9, Jan 71
Depression of plasma alpha-tocopherol level in chicks infected with avian leukosis. Saadat-Noori M, et al. Poult Sci 49:1358-9, Sep 70
Studies on changes in vitamin-E and fatty acids of neonatal serum. Correlation of data to diet, age and development. Clausen J, et al. Z Ernaehrungswiss 10:264-76, Apr 71
[Vitamin E and anemia] Fujii T. Acta Haematol Jap 33:197-8, Apr 70 (Jap)
[Content of vitamin E in blood and estriol excretion in women with threatened abortion] Davidov LIa, et al. Pediatr Akush Ginekol 1:33-5, Jan-Feb 71 (Ukr)

METABOLISM

Polyunsaturated fatty acid-tocopherol interrelationships. Alfin-Slater RB. Am J Clin Nutr 23:1100, Aug 70
Absorption of different doses of fat soluble and water miscible preparations of vitamin E in children with cystic fibrosis. Harries JT, et al. Arch Dis Child 46:341-4, Jun 71
Tocopherol concentrations in the serum and liver of lambs with white muscle disease. Caravaggi C, et al. Aust Vet J 46:404, Aug 70
The intracellular distribution of acid-labile selenium in rat liver and the possible biological function of selenium and vitamin E. Lucy JA, et al. Biochem J 119:40P, Oct 70
Metabolism of vitamin E in sheep. Hidirogiou M, et al. Br J Nutr 24:917-28, Dec 70
The absorption of alpha-tocopherol in man. Kelleher J, et al. Br J Nutr 24:1033-47, Dec 70
Correlations between plasma and liver concentrations of vitamins A and E in children with cystic fibrosis. Underwood BA, et al. Bull NY Acad Med 7:34-9, Jan 71
Effect of feeding cod liver oil on the fate of radiotocopherol in sheep. Hidirogiou M, et al. Can J Physiol Pharmacol 48:751-7, Nov 70
Comparison of the absorption of a polar lipid, oleic acid, ad a non-polar lipid, alpha-tocopherol from mixed micellar solutions and emulsions. MacMahon MT, et al. Eur J Clin Invest 1:161-6, Nov 70
Lymphatic and portal venous transport of alpha-tocopherol and cholesterol. MacMahon MT, et al. Eur J Clin Invest 1:288-94, Jan 71
Absorption of vitamin E in children with biliary obstruction. Harries JT, et al. Gut 12:579-84, Jul 71
Preintestinal disappearance of vitamin E in ruminants. Alderson NE, et al. J Nutr 101:655-9, May 71
Vitamin B2 and Vitamin E in long-term hemodialysis. Takeshi I, et al. JAMA 217:899, 2 Aug 71
Isomers of alpha-tocopheryl acetate and their biological activity. Ames SR. Lipids 6:281-90, May 71 (36 ref.)
Distribution and metabolism of two orally administered esters of tocopherol. Gallo-Torres HE, et al. Lipids 6:318-25, May 71
A function for alpha-tocopherol: stabilization of the microsomal membrane from radical attack during TPNH-dependent oxidations. McCay PB, et al. Lipids 6:297-306, May 71
Effect of dietary linoleic acid on vitamin E requirement and fatty acid composition of erythrocyte lipids in rats. Jager FC, et al. Nutr Metab 12:3-12, 1970

PHARMACODYNAMICS

Effects of vitamin E and selenium on Cassia occidentalis intoxication in cattle. O'Hara PJ, et al. Am J Vet Res 31:2151-6, Dec 70
The lipid composition of maturing rat testis. The effect of alpha-tocopherol. Carpenter MP. Biochim Biophys Acta 231:52-79, 2 Feb 71
The effects of vitamin E and training on physiological function and athletic performance in adolescent swimmers. Sharman IM, et al. Br J Nutr 26:265-78, Sep 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Effect of alpha-tocopherol and tocopheronolactone on ethanol induced fatty liver and triglyceridemia. Hirayama C, et al. Experientia 26:1306-8, 15 Dec 70
Effect of vitamin E and selenium on tissue composition of young pigs. Ewan RC. J Anim Sci 32:883-7, May 71
Sensitivity and specificity of the Asplanchna response to dietary alpha-tocopherol. Gilbert JJ, et al. J Nutr 101:113-26, Jan 71
Effects of vitamin E and selenium on Rubidium-86 uptake by rat liver slices. Levander OA, et al. J Nutr 101:1013-22, Aug 71
Effect of alpha-tocopherol on lipid peroxide production and hemolysis following mechanical trauma to blood. Reitman LW, et al. J Surg Res 10:471-6, Oct 70
The effect of vitamin E on the preservation of blood. Kurokawa I, et al. J Vitaminol (Kyoto) 16:180-9, Sep 70
Effect of certain vitamins on the formation of cross-links in the collagen of lathyritic rats. Rao VH, et al. J Vitaminol (Kyoto) 17:19-23, 10 Mar 71
Anti-inflammatory activity of tocopheronolactone. Uchiyama M, et al. J Vitaminol (Kyoto) 16:225-7, Sep 70
The influence of vitamin E and carbon tetrachloride on the respiratory activity and peroxidation of liver. Caravaggi C, et al. Lab Pract 19:1219-20, Dec 70
Suppression of the mixed lymphocyte reaction by alpha-tocopherol. Mann PL, et al. NZ Med J 72:31-3, Jul 70
The vitamin E activity of 5 different tocopheramines on muscular dystrophy in chicks. Sondergaard E, et al. Z Ernaehrungswiss 10:71-8, Aug 70
[Use of heparin-glucose solution enriched by vitamin E for the storage of blood] Fiala J, et al. Vnitr Lek 17:645-51, Jul 71 (Cze)
[Clinical studies on the physical capacity of aged persons following the administration of alpha-tocopherol-nicotinate] Böhlau V. Arzneim Forsch 21:674-6, May 71 (Ger)
[Effect of flavonoids and tocopherol on thrombocyte function] Zürn H, et al. Dtsch Gesundheitsw 25:1317-9, 10 Jul 70 (Ger)
[Vitamin E additions to fattened pigs] Wöhlbier W, et al. Z Tierphysiol 21:270-3, Sep 66 (Ger)
[Vitamin E and the endocrine glands. Experimental histological study in Coturnix coturnix japonica] Richetti F, et al. Boll Soc Ital Biol Sper 45:1628-9, 31 Dec 69 (Ita)
[Vitamin E and the gonads. Experimental study in Coturnix coturnix japonica] Richetti F, et al. Boll Soc Ital Biol Sper 45:1626-7, 31 Dec 69 (Ita)
[Effect of alpha-tocopherol on the chemiluminescence of mitochondria in the presence of FE2+] Vladimirov IuA, et al. Dokl Akad Nauk SSSR 188:1163-5, 11 Oct 69 (Rus)
[Role of vitamin E in methionine metabolism in the rat liver] Shtutman TsM, et al. Ukr Biokhim Zh 43:210-4, Mar-Apr 71 (Ukr)
[Effect of vitamin E and selenium on glycine-2-C 14 and formate-C 14 incorporation in rat liver glutathione] Shtutman TsM, et al. Ukr Biokhim Zh 42:747-51, 1970 (Ukr)

STANDARDS

Isomers of alpha-tocopheryl acetate and their biological activity. Ames SR. Lipids 6:281-90, May 71 (36 ref.)
Evaluation studies on the animal nutrition research council vitamin E reference standard in chickens. Marusich WL, et al. Poult Sci 50:506-11, Mar 71

THERAPEUTIC USE

Effect of alpha-tocopherol administration on red cell survival in vitamin E-deficient human subjects. Leonard PJ, et al. Am J Clin Nutr 24:388-93, Apr 71
The in vivo effect of vitamin E in experimental porphyria. Nair PP, et al. Biochim Biophys Acta 215:112-8, 21 Jul 70
The controversy over vitmin E. Van Dellen TR. Ill Med J 138:539, Nov 70
Alpha tocopherol in the treatment of intermittent claudication. Williams HT, et al. Surg Gynecol Obstet 132:662-6, Apr 71
Use of selenium-tocopherol in clinical practice. Fuller SA. Vet Med Small Anim Clin 66:202 passim, Mar 71
[Trial of Eutrophyl in dermatology] Géniaux M, et al. Bord Med 4:945-8 passim, Mar 71 (Fre)
[Therapeutic indications for alpha tocopherol quinone] Thiors H, et al. Lyon Med 222:257-60, 7 Sep 69 (Fre)
[Comparative effects of natural vitamin E and synthetic alpha-tocoferol in the treatment of whooping cough] Aillaud Y, et al. Mars Med 107:913-6, 1970 (Fre)
[Effects of alpha-tocopherol on the symptoms of the development of whooping cough] Aillaud Y, et al. Mars Med 106:709-15, 1969 (Fre)
[Application of cutaneous thermometry to the objectivation of effects of tocopheryl-quinone in muscular pathology] Balmes A, et al. Therapeutique 46:871-8, Nov 70 (Fre)
[20-year experience with vitamin E in virus diseases] Jülich E. Arch Gynaekol 211:361-3, 4 Jun 71 (Ger)
[Vitamin E in the therapy of digitalis intoxication] Helwing HP, et al. Arzneim Forsch 21:335-42, Mar 71 (Ger)
[Use of a vitamin complex (A, E, B6) in geriatric therapy] D'Alessandro A, et al. G Gerontol 18:1124-32, Dec 70 (Ita)
[Effect of Lipotate LE 10 on acne vulgaris] Watanabe S. Acta Dermatol (Kyoto) 65:35-7, Feb 70 (Jap)
[Effect of alpha-tocopherols on the activity of creatine kinase of the skeletal muscles and blood in primary and secondary vitamin K deficiency] Matusis LI. Biull Eksp Biol Med 69:58-60, Mar 70 (Rus)
[Effect of enriching the organism of white rats with alpha-tocopherol on vitamin K-deficiency changes in the ATP, ADP and inorganic phosphorus content of skin and skeletal muscles] Matusis LI. Biull Eksp Biol Med 71:74-6, May 71 (Rus)
[Interrelation of vitamins E and K and their effect on erythrocyte resistance] Ulasevich II. Biull Eksp Biol Med 70:55-7, Jul 70 (Rus)
[Experience in the prevention by drugs of nervous system lesions in poisoning with fire-proof oil "Ivviol'-3"] An AS, et al. Gig Tr Prof Zabol 14:37-9, Dec 70 (Rus)
[Vitamin E in peripheral blood vessel insufficiency] Haeger K. Tidsskr Nor Laegeforen 90:2112-4, 15 Nov 70 (Swe)

TOXICITY

The influence of propyl gallate and alpha-tocopherol on the survival time of rats during fasting. Tonkelaar EM den, et al. Food Cosmet Toxicol 6:25-31, Jun 68

VITAMIN E DEFICIENCY (C13)

Unsaturated fat and vitamin-E deficiency. Rotman D. Lancet 2:711, 25 Sep 71
A function for alpha-tocopherol: stabilization of the microsomal membrane from radical attack during TPNH-dependent oxidations. McCay PB, et al. Lipids 6:297-306, May 71
[Some microelements and vitamin E in premature labor of unknown etiology] Timoshenko LV, et al. Pediatr Akush Ginekol 2:35-7, Mar-Apr 70 (Ukr)

BLOOD

Effect of alpha-tocopherol administration on red cell survival in vitamin E-deficient human subjects. Leonard PJ, et al. Am J Clin Nutr 24:388-93, Apr 71
Vitamin E deficiency in premature infants. Chadd MA, et al. Int Z Vitaminforsch 40:604-9, 1970
Methods for determining vitamin E requirement in ducklings. II. Myopathy, serum enzymes and serum proteins. Jager FC, et al. Int Z Vitaminforsch 40:597-603, 1970

CHEMICALLY INDUCED

[The interrelationship between vitamins A and E in the living organism] Kriukova LV, et al. Biull Eksp Biol Med 68:59-60, Aug 69 (Rus)

COMPLICATIONS

The vitamin E activity of 5 different tocopheramines on muscular dystrophy in chicks. Sondergaard E, et al. Z Ernaehrungswiss 10:71-8, Aug 70
[The repercussion of congenital tocopherol deficiency on the incidence of neonatal jaundice] Gontzea I, et al. Arch Fr Pediatr 27:733-41, 1970 (Fre)

DIAGNOSIS

Methods for determining vitamin E requirement in ducklings. I. Myopathy, in-vitro haemolysis and leucocyte count. Jager FC, et al. Int Z Vitaminforsch 40:592-6, 1970

ENZYMOLOGY

Alterations in tissue and serum aldolase in rabbits due to vitamin E deficiency. Helmsen RJ, et al. Proc Soc Exp Biol Med 136:785-9, Mar 71

ETIOLOGY

Vitamin E deficiency in a child with intestinal lymphangiectasia. Arakawa T, et al. Tohoku J Exp Med 102:169-78, Oct 70

METABOLISM

Biosynthesis of heme in the vitamin E-deficient rat. Murty HS, et al. J Biol Chem 245:5496-504, 25 Oct 70
Ceroid in the products of conception of normal and vitamin E-deficient rats. Horowitz I, et al. J Nutr 101:959-65, Aug 71
Effects of dietary modifications on cholesterol-induced anemia in guinea pigs. Ostwald R, et al. J Nutr 101:699-712, Jun 71
Lipid peroxidation in the vitamin E deficient rat liver. Wakizaka A, et al. J Vitaminol (Kyoto) 17:32-8, 10 Mar 71
Structural changes in myosin induced by vitamin E dystrophy. Lobley GE, et al. Nature (Lond) 231:317-8, 4 Jun 71
Vitamin E and heme synthesis in the rat. Nutr Rev 29:100-4, Apr 71 (14 ref.)
[Separatin of cytopasm zone containing glycogen in the liver cells f rats with experimental avitaminosis E] Djaczenko WCERULI L, et al. Boll Soc Ital Biol Sper 46:403-5, 30 Apr 70 (Ita)

PATHOLOGY

Mitochondrial changes in axonal dystrophy produced by vitamin E deficiency. Schochet SS Jr. Acta Neuropathol (Berl) 5:Suppl 5:54-60, 1971
The vitamin E-deficiency syndrome in pigs. I. Pathological changes. Nafstad I, et al. Acta Vet Scand 11:452-80, 1970
Studies on dietary hepatic necrosis. II. Ultrastructural and enzymatic alterations of the hepatocytic plasma membrane. Machado EA, et al. Lab Invest 24:13-20, Jan 71
The influence of vitamin E deficiency on biological membranes. An ultrastructural study on the intestinal epithelial cells of ducklings. Molenaar I, et al. Nutr Metab 12:358-70, 1970

PHYSIOPATHOLOGY

[Ceroidosis] Mitteistaedt W. Dtsch Med Wochenschr 96:647-51, 9 Apr 71 (45 ref.) (Ger)
[Ultrastructure of the rat thyroid epithelial cells during alimentary tocopherol and ubiquinone deficiencies and after substitution] Bähser S, et al. Z Zellforsch Mikrosk Anat 114:493-514, 1971 (Ger)

THERAPY

[Interrelation of vitamins E and K and their effect on erythrocyte resistance] Ulasevich II. Biull Eksp Biol Med 70:55-7, Jul 70 (Rus)

VETERINARY

The vitamin E-deficiency syndrome in pigs. I. Pathological changes. Nafstad I, et al. Acta Vet Scand 11:452-80, 1970
The vitamin E-deficiency syndrome in pigs. II. Investigations on serum and tissue enzyme activity. Tollersrud S, et al. Acta Vet Scand 11:495-509, 1970
Clinical pathological conference. Cornell Vet 60:722-37, Oct 70
Nutritional muscular dystrophy and neonatal mortality in a rabbit breeding colony. Ringler DH, et al. J Am Vet Med Assoc 157:1928-34, 1 Dec 70
[Results of alpha-tocopherol determination in pigs] Dannenberg HD, et al. Monatsh Vet Med 24:337-40, 1 May 69 (Ger)
[Use of vitamin E in animal husbandry] Kudriavtseva LA. Veterinariia 12:59-60, Dec 70 (Rus)

VITAMIN F see FATTY ACIDS, ESSENTIAL (D11)

VITAMIN G see RIBOFLAVIN (D10, D11)

VITAMIN H see BIOTIN (D11)

VITAMIN K (D7, D11)

Role of feeding and vitamin K in hypoprothrombinemia of the newborn. Keenan WJ, et al. Am J Dis Child 121:271-7, Apr 71
Vitamin K activity of phylloquinone oxide. Bell RG, et al. Arch Biochem Biophys 141:473-6, Dec 70

ADMINISTRATION & DOSAGE

Effect of dietary vitamin K on avian brain thromboplastin activity. Griminger P, et al. Poult Sci 49:1681-6, Nov 70
Effect of the preoperative ingestion of vitamin K1 on prothrombin time. Hypoprothrombinemia, rarely a cause of bleeding after tonsillectomy, warrants attention where malnutrition is suspected. Sargent FB, et al. RI Med J 54:151-2, Mar 71

ANALYSIS

Gas-liquid chromatography of phytyl ubiquinone, vitamin E, vitamin K1, and homologs of vitamin K2. Dialameh GH, et al. Anal Biochem 32:263-72, Nov 69
[Determination of sulfuric esters of 2-methyl-1, 4-naphthohydroquinone (vitamin K3) and of 4-methyl-aesculitin (vitamin P) in pharmaceutical products] Mariani A, et al. Ann Ist Super Sanita 5:565-77, 1969 (Ita)

ANTAGONISTS & INHIBITORS

[Importance of factor II determination during treatments with vitamin K inhibitors] Plouvier SR, et al. Agressologie 12:41-8, 1971 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Ambulatory therapy with antivitamins K] Caviezel O. Praxis 60:80-2, 19 Jan 71 (Fre)

BIOSYNTHESIS

Inhibition of vitamin K2 and carotenoid synthesis in Staphylococcus aureus by diphenylamine. Hammond RK, et al. J Bacteriol 103:611-5, Sep 70
Classification of vitamin K-deficient mutants of Staphylococcus aureus. Sásárman A, et al. J Gen Microbiol 65:125-30, Feb 71
[Conditions for biosynthesis of ubiquinone-8 and vitamin K2 in Serratia marcescens] Bezborodov AM, et al. Mikrobiologiia 39:316-21, Mar-Apr 70 (Rus)

BLOOD

[Effect of alpha-tocopherols on the activity of creatine kinase of the skeletal muscles and blood in primary and secondary vitamin K deficiency] Matusis LI. Biull Eksp Biol Med 69:58-60, Mar 70 (Rus)

ISOLATION & PURIFICATION

[Photometric determination of several fat-soluble vitamins (A,D3,K3) in the presence of each other] Baczyk S, et al. Mikrochim Acta 6:1306-11, 1970 (Ger)

METABOLISM

Enzymatic alkylation of menaquinone-o to menaquinones microsomes from chick liver. Dialameh GH, et al. Biochim Biophys Acta 223:332-8, 8 Dec 70
Erythrocyte membrane interactions with menadione and the mechanism of menadione-induced hemolysis. Mexick JA, et al. Biochim Biophys Acta 219:361-71, 1 Dec 70
Further studies on the uptake of Synkavit and a radioactive analogue into tumour cells in tissue culture. Dendy PP. Br J Cancer 24:817-25, Dec 70
On the role of quinones in bacterial electron transport. Differential roles of ubiquinone and menaquinone in Proteus rettgeri. Kröger A, et al. Eur J Biochem 21:322-33, 16 Aug 71
Absorption of tritiated vitamin K1 in patients with fat malabsorption. Shearer MJ, et al. Gut 11:1063-4, Dec 70
[Cis-trans isomerism of menaquinones and phosphorylating oxidations in extracts of Mycobacterium phlei] Scherrer F, et al. Experientia 26:1201-3, 15 Nov 70 (Fre)

PHARMACODYNAMICS

Effect of vitamin K on clotting factors in children with congenital cyanotic heart disease. Goldschmidt B. Acta Paediatr Acad Sci Hung 11:135-9, 1970
The effect of cycloheximide administration on vitamin K-stimulated prothrombin formation. Suttie JW. Arch Biochem Biophys 141:571-8, Dec 70
Vitamin K and the biosynthesis of the glycoprotein prothrombin. Johnson HV, et al. Biochem Biophys Res Commun 43:1040-8, 4 Jun 71
Comparison of the effects of menadione and 2,3-dimethylnaphthoquinone on the energy-coupling reactions of beef-heart mitochondria. Evidence for the involvement of a thiol group in the reactions of oxidative phosphorylation. Young JM. Biochem Pharmacol 20:163-71, Jan 71
The effects of some compounds on the endogenous respiration of skin. Long VJ, et al. Br J Dermatol 85:167-70, Aug 71
Macromolecular synthesis: effects of vitamin K and warfarin on macromolecular synthesis in Escherichia coli. Bosmann HB. Life Sci [II] 10:61-9, 22 Jan 71
Investigations into the lymphopaenic and immunosuppressive properties of the antitumour agent, mitoclomine. Fox M, et al. Lymphology 4:35-47, Jun 71
Mechanism of action of vitamin K: evidence for the conversion of a precursor protein to prothrombin in the rat. Shah DV, et al. Proc Natl Acad Sci USA 68:1653-7, Jul 71
[Hydrosoluble vitamin K (sodium methyl-2-naphthohydroquinone dibenozyldisulfonate), growth factor allowing assurance of isolation and perenniality in culture of Mycobacterium johnei (M.j.) in vitro] Coletsos P. C R Acad Sci [D] (Paris) 271:1717-9, 9 Nov 70 (Fre)
[Studies on inhibitors of cholesterol biosynthesis. 3. Sites of inhibition of cholesterol biosynthesis by 1,1'-decamethylenediguanidine dihydrochloride, vitamin K3 and 2-methyl-3,6-dibromo-1,4-benzoquinone in the rat liver homogenates] Ozawa H, et al. J Pharm Soc Jap 91:187-93, Feb 71 (Jap)
[Comparative studies on the effectiveness of vitamin K1 and vitamin K2] Yasunaga K. Jap Arch Intern Med 17:279-83, Sep 70 (Jap)
[Modern concept of lactacidogenic enzyme therapy] Resen Clin Cient 37:37-42, Jan-Feb 68 (Por)
[Effect of vitamin K on the development of Mycobacterium tuberculosis in vitro and in vivo] Navarrete BE. Rev Lat Am Microbiol 13:41-4, Jan-Mar 71 (Spa)
[Effect of adenochrome and vicasol on monoamine oxidase in some organs of rabbits] Petrianik VD. Ukr Biokhim Zh 43:225-8, Mar-Apr 71 (Ukr)

THERAPEUTIC USE

[Vitamin K in the prevention of ocular hemorrhages] Gaipa M. Minerva Oftalmol 11:29-31, Jan-Feb 69 (Ita)
[Menaquinone (vitamin K2) therapy in bronchial asthma. I. Anti-allergic action] Kimura I, et al. Jap J Allergy 19:805-9, Nov 70 (Jap)
[Interrelation of vitamins E and K and their effect on erythrocyte resistance] Ulasevich II. Biull Eksp Biol Med 70:55-7, Jul 70 (Rus)

VITAMIN K DEFICIENCY (C9, C13)

[Protein synthesis induced by vitamin K deficiency] Hemker HC. Nouv Rev Fr Hematol 10:645-51, Sep-Oct 70 (Fre)

BLOOD

Abnormal factor IX during anticoagulant treatment. Larrieu MJ, et al. Lancet 2:1065, 21 Nov 70
[2 types of prothrombine in vitamin K deficiency] Hemker HC, et al. Ned Tijdschr Geneeskd 114:2197-8, 26 Dec 70 (Dut)

COMPLICATIONS

Possibility of cystic fibrosis in infants with vitamin K deficiency. Dolan TF Jr, et al. J Pediatr 77:515, Sep 70
[Late form, in a 6-week-old infant, of hemorrhagic disease due to transitory avitaminosis K with major hypoprothrombinemia] Verger P, et al. Can Med 11:1211-4, 30 Nov 70 (Fre)

DRUG THERAPY

[Effect of alpha-tocopherols on the activity of creatine kinase of the skeletal muscles and blood in primary and secondary vitamin K deficiency] Matusis LI. Biull Eksp Biol Med 69:58-60, Mar 70 (Rus)
[Effect of enriching the organism of white rats with alpha-tocopherol on vitamin K-deficiency changes in the ATP, ADP and inorganic phosphorus content of skin and skeletal muscles] Matusis LI. Biull Eksp Biol Med 71:74-6, May 71 (Rus)
[Effect of antibacterial therapy on the dynamics of prothrombin time in pneumonia and intestinal diseases in infants] Pavlenko TK. Pediatr Akush Ginekol 1:11-2, Jan-Feb 70 (Ukr)

METABOLISM

Prothrombin synthesis in the rat. Nutr Rev 28:271-5, Oct 70
[The dynamics of urinary 5-hydroxyindole-3-acetic acid excretion during development of primary and secondary avitaminosis K in rats] Bogdanov NG. Biull Eksp Biol Med 65:64-5, May 68 (Rus)

OCCURRENCE

Vitamin K deficiency in apparently healthy children. Lovric VA, et al. Aust NZ J Med 1:35-8, Feb 71

PATHOLOGY

[Effects of avitaminosis K on capillary resistance in the rat] Ventura U, et al. Minerva Med 62:476-82, 3 Feb 71 (Ita)

VETERINARY

Medium-chain triglycerides as stress agents in vitamin K deficiency. Griminger P, et al. Poult Sci 50:707-10, May 71

VITAMIN K 1 see PHYTONADIONE (D7, D11)

VITAMIN M see FOLIC ACID (D7, D11)

VITAMIN P COMPLEX see BIOFLAVONOIDS (D11)

VITAMIN PP see NICOTINAMIDE (D11)

VITAMINS (D11)

Horizons in industrial application of yeasts. Hoogerheide JC. Antonie van Leeuwenhoek 35:Suppl:71-82, Jun 69
Nutritional requirements of Streptococcus mutans. Carlsson J. Caries Res 4:305-20, 1970
Vitamins. Eddy TP. Community Health (Bristol) 2:133-6, Nov-Dec 70
Intake of vitamins and some other nutrients in aged people, adults and children. Dalderup LM, et al. Int Z Vitaminforsch 40:633-43, 1970
Intake of vitamins and some other nutrients in aged people, adults and children. Dalderup LM, et al. Int Z Vitaminforsch 40:553-4, 1970
Chewable multi-vitamin tablets. Barry RH, et al. J Am Pharm Assoc 10:601-3, Nov 70
Tentative rules for generic descriptors and trivial names for vitamins and related compounds. Recommended by the IUNS Committee on Nomenclature. J Nutr 101:133-40, Jan 71
Commercially prepared infant cereals. Anderson TA, et al. J Pediatr 79:512, Sep 71
Tentative rules for generic descriptors and trivial names for vitamins and related compounds. Recommended by the IUNS Committee on Nomenclature. Nutr Metab 12:371-84, 1970
Vitamin supplements for older people. Nutr Rev 28:260-2, Oct 70
The vitaminization of margarine. Morton RA. R Soc Health J 90:21-8, Jan-Feb 70
The vitamin requirements of dogs and cats. Herrick JB. Vet Med Small Anim Clin 66:750-2, Aug 71
[Addition of vitamins to human and animal food] François AC, et al. Ann Nutr Aliment 24:B477+, 1970 (143 ref.) (Fre)
[Effect of vitamin-mineral feed additives on sexual function of sows] Karev VP. Veterinariia 9:102-3, Sep 70 (Rus)
[Vitamin fortification of widely used food products] Tsvang IM, et al. Vopr Pitan 29:76-9, Jul-Aug 70 (Rus)

ADMINISTRATION & DOSAGE

A second international co-operative investigation into thioacetazone side-effects. 1. The influence of a vitamin and antihistamine supplement. Miller AB, et al. Bull WHO 43:107-25, 1970
[Observations on a new local treatment in inflammatory diseases of the veins] Florian A. Z Allgemeinmed 47:486-8, 31 Mar 71 (Ger)
[Clinical experience on the oral administration of a combined hormone-vitamin preparation in the treatment of osteoporosis in the aged and the prevention and therapy of traumatic osteoporosis] Fregnani L. Arch Ortop Suppl:377-80, 1969 (Ita)

ADVERSE EFFECTS

Non-prescription medications from health food stores--a potential source of serious illness. Annino LC, et al. Conn Med 35:428-30, Jul 71
[Apparently innoxious drugs] Giménez ER. Arch Argent Pediatr 68:353-4, Dec 70 (Spa)

ANALYSIS

Losses of vitamins and trace minerals resulting from processing and preservation of foods. Schroeder HA. Am J Clin Nutr 24:562-73, May 71
Vitamin content of the diet and its relation to some biochemical parameters. Buzina R. Int Z Vitaminforsch 40:551-3, 1970
Dietary surveys on school children and medical students. Ritzel G, et al. Int Z Vitaminforsch 40:548-51, 1970
[Mineral and vitamin nutrition of cattle in large facilities] Hennig A. Monatsh Vet Med 25:740-4, 1 Oct 70 (Ger)
[Preparation of vitamin-free casein hydrolysates] Myszkowska K, et al. Acta Pol Pharm 27:599-605, 1970 (Pol)

ANTAGONISTS & INHIBITORS

[Formation of antibiotics antimetabolites of amino acids and vitamins by Actinomyces] Korobkova TP, et al. Antibiotiki 16:36-9, Jan 71 (Rus)

BIOSYNTHESIS

Vitamin biosynthesis in the yeasts. Odintsova CN. Antonie van Leeuwenhoek 35:Suppl:H5-6, Jun 69
The role of microelements on the accumulation of proteins and some vitamins in yeast cells. Peciulis J, et al. Antonie van Leeuwenhoek 35:Suppl:G13, Jun 69

BLOOD

In vivo and in vitro penetration of vitamins into human red blood cells. Sorrell MF, et al. Am J Clin Nutr 24:924-9, Aug 71

METABOLISM

Vitamin absorption in the colon. Kasper H. Am J Proctol 21:341-5, Oct 70
The uptake of vitamins by mouse fibroblast cells (strain LS) during growth in a chemically defined medium. Blaker GJ, et al. J Cell Sci 8:701-8, May 71
The nutrition of Zymomonas anaerobia. Bexon J, et al. J Gen Microbiol 60:421-5, Mar 70
Vitamin, purine and pyrimidine requirements of oral fusiforms. Hadi AW, et al. J Gen Microbiol 64:241-5, Dec 70
[Genetic influence in vitamin metabolism] Meyer H. Dtsch Tieraerztl Wochenschr 74:261-4, 15 May 67 (Ger)
[Change in the content of some vitamins in albino rat organs and urine during the chronic administration of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

3,4-benzpyrene and sulfur dioxide] Pushkina NN, et al. Biull Eksp Biol Med 70:45-7, Dec 70 (Rus)
[Effect of linear and angular accelerations on some metabolic indicators] Lapaev EV, et al. Izv Akad Nauk SSSR [Biol] 4:515-20, Jul-Aug 70 (Rus)
[Several indices of protein metabolism and vitamin balance in Far Eastern hemorrhagic fever patients with nephrotic syndrome] Kontseva NG, et al. Vopr Med Khim 16:376-81, Jul-Aug 70 (Rus)
[Importance of biological membranes in metabolism and effects of some functionally bound vitamins] Rozanov AIa. Ukr Biokhim Zh 42:302-8, 1970 (Ukr)

PHARMACODYNAMICS

[Vitamins and carbohydrate metabolism] Jacob A. Therapeutique 47:21-5, Jan 71 (Fre)
[The effect of vitamins and hormones on the content of total iodine, PBI and inorganic iodine in cattle serum] Höchtl W. Wien Tieraerztl Monatsschr 57:124, 1970 (Ger)
[Behavior of blood lipid fraction under Turigeran] Hunecke I, et al. Z Alternsforsch 23:165-70, 1970 (Ger)
[Vitamin tablets and patients with parkinsonism] Tidsskr Nor Laegeforen 91:1249, 10 Jun 71 (Nor)
[Effect of vitaminization of the phagocytic activity of leukocytes in workers in streptomycin production] Gorbynova VI. Antibiotiki 15:652-4, Jul 70 (Rus)
[Effect of vitamins andamino acids on the growth and formation of polymyxin M of Bac. polymyxa Ross] Kachan VI. Mikrobiol Zh 31:438-43, Sep-Oct 69 (Ukr)

PHYSIOLOGY

[Participation of vitamins in the synthesis of hormones] Grangaud R, et al. Sem Hop Paris 47:1089-99, 8 Apr 71 (178 ref.) (Fre)

THERAPEUTIC USE

Drug therapy in alcoholism. It is especially important in the prevention of such complications as seizures, DT's, Wernicke's encephalopathy, or polyneuritis. Oge V. Ill Med J 139:606-10, Jun 71
Vitamins and minerals in obstetrics and gynecology. Daro AF, et al. Int Surg 56:149-58, Sep 71
Vitamins in the management of disease of the gut. Mallinson CN. Practitioner 206:91-102, Jan 71
Absence of response of some tongue conditions in children to administration of vitamins. Yudkin J, et al. Proc Nutr Soc 29:Suppl:8A-9A, May 70
[Anti-fatigue and anti-asthenia drugs] Schaepdryver A de. Rev Med Liege 26:207-15, 15 Mar 71 (Fre)
[Therapy of chronic liver diseases with prednisolone and alpha-lipoic acid] Loginow AS. Dtsch Z Verdau Stoffwechselkr 30:19-23, 1970 (Ger)
[Consequences of long-term effect of low radiation doses in uranium miners and possibilities of preventive drug treatment] Adámek M, et al. Osterr Z Erforsch Bekaempf Krebskr 26:194-200, 1971 (Ger)
[On the importance of vitamins in congenital metabolic disorders and in the vitamin dependency syndrome] Baeriocher K. Praxis 60:807-18, 15 Jun 71 (Ger)
[Application of multivitamin preparations in geriatrics] Dornbusch S. Ther Ggw 109:1628 passim, Nov 70 (Ger)
[Ultra-Demoplas, a new highly effective antiphlogistic-analgesic preparation] Ziegler E. Ther Ggw 110:731-2 passim, May 71 (Ger)
[Experiences with a new multivitamin preparation Lohprevit from the viewpoint of the health resort physician] Friesenegger A. Z Allgemeinmed 47:868-70, 10 Jun 71 (Ger)
[On the use of a new neuropharmacological agent in pediatrics] Scanabissi E, et al. Clin Pediatr (Bologna) 52:215-21, May 70 (Ita)
[General restorative therapy for the aged: clinical testing of a combination preparation] Bonaccorso O, et al. Clin Ter 48:171-9, 31 Jan 69 (Ita)
[The value of adrenal cortex hormones and vitamins in the homeostatic adaptation to the disease] Malaguti P, et al. Clin Ter 48:255-63, 15 Feb 69 (Ita)
[Therapeutic trials and laboratory results in psoriasis treated with products with normolipemic and eudermic action] Guarneri B. Minerva Med 62:691-4, 21 Feb 71 (Ita)
[Microcirculatory therapy of multiple sclerosis] Schwarz D. Minerva Med 61:5543-61, 5 Dec 70 (Ita)
[Therapeutic trials of a new drug association (corticoids, phosphorylcholamine and vitamins) in some forms of spastic paraparesis] Cazzola G, et al. Riv Neurobiol 15:235-56, Apr-Jun 69 (Ita)
[New pathogenic-therapeutic concept of whooping cough] Mollica J. Recen Clin Cient 38:19-26, Jan-Feb 69 (Por)
[Treatment of obesity] Netto LF. Recen Clin Cient 38:195-9, Jul-Aug 69 (Por)
[Prevention of complications of the placental and early puerperal stages in patients suffering from decompensated heart diseases] Gaidamakina PG. Akush Ginekol (Mosk) 46:26-9, May 70 (Rus)
[Use of oxygen-vitamin mixture for the prevention and therapy of chronic oxygen deficiency in the mother and fetus] Shufkina EP. Akush Ginekol (Mosk) 46:41-3, Jul 70 (Rus)
[Use of vitamins during tubazid treatment of experimental tuberculosis in white mice] Semenov AD, et al. Probl Tuberk 48:82-5, 1970 (Rus)
[Effect of oxygen-vitamin cocktails on the hemocoagulation process in patients with hypertensive disease and chronic coronary insufficiency] Panchenko VM, et al. Sov Med 33:30-4, Oct 70 (Rus)
[Treatment of iron deficiency anemia] Shostka GD, et al. Ter Arkh 43:78-84, Jan 71 (Rus)
[Experience in the treatment of dystrophic changes of the macular region of the retina] Dmitrieva AA. Vestn Oftalmol 6:53-4, Nov-Dec 70 (Rus)
[Hypochylia in the aged. Its treatment with an acid combination of pepsin and vitamins] Lentini J, et al. Rev Esp Enferm Apar Dig 31:525-44, 1 Jun 70 (Spa)

URINE

[Vitamin reserves in patients with jaw and face injuries] Rudenko AT. Vestn Khir 105:54-7, Jul 70 (Rus)

VITELLINE DUCTS (A10)

[Vitelline duct fistula combined with prolapse of the small intestine] Kato K, et al. Shujutsu 25:109-12, Jan 71 (Jap)

ABNORMALITIES

[Meckel's diverticulum and other dysplasias of the ductus omphaloentericus in humans] Vaage S. Tidsskr Nor Laegeforen 91:416-27, 28 Feb 71 (Nor)
[Cases of ductus omphaloentericus persistens] Rill A. Acta Med Iugosl 24:281-6, 1970 (Cro)

VITILIGO (C12)

Porencephaly, nasofrontal mucoceles, hypertelorism and segmental vitiligo--report of a new neurocutaneous disorder. Tay CH. Singapore Med J 11:253-7, Dec 70
[Sutton's disease in the framework of a familial vitiligo] Bouattour H, et al. Bull Soc Fr Dermatol Syphiligr 77:876-7, 1970 (Fre)
[Biologic and immunologic evaluation in 70 patients with vitiligo] Grupper C, et al. Bull Soc Fr Dermatol Syphiligr 77:852-60, 1970 (Fre)
[Case of Sutton's disease] Bilancia A, et al. Arch Ital Dermatol Venereol Sessuol 36:174-8, 1970 (Ita)

BLOOD

Serum caeruloplasmin in vitiligo. Lal S, et al. Indian J Med Sci 24:678-9, Oct 70

CHEMICALLY INDUCED

Occupational vitiligo due to paratertiary butylphenol and homologues. Malten KE, et al. Trans St Johns Hosp Dermatol Soc 57:115-34, 1971

COMPLICATIONS

Candidiasis, vitiligo, Addison's disease, and hypoparathyroidism. Fisher M, et al. Arch Dermatol 102:110-2, Jul 70
Vitiligo and diabetes mellitus. Dawber RP, et al. Br J Dermatol 84:600, Jun 71
Vitiligo, achlorhydria, and pernicious anaemia. Howitz J, et al. Lancet 1:1331-4, 26 Jun 71
Acquired unilateral vitiligo and poliosis of the head and subacute encephalitis with partial recovery. Neihaus G. Neurology (Minneap) 20:965-74, Oct 70
Myasthenia gravis, rheumatoid arthritis, vitiligo, and autoimmune haemolytic anaemia. Durance RA, et al. Proc R Soc Med 64:61-2, Jan 71

DRUG THERAPY

Vitiligo treated by psoralens. A long-term follow-up study of the permanency of repigmentation. Kenney JA Jr. Arch Dermatol 103:475-80, May 71
Vitiligo and methoxsalen. Sehgal VN. Arch Dermatol 103:543-4, Mar 71
Treatment of vitiligo with topical trimethylpsoralen and sunlight. Africk J, et al. Br J Dermatol 84:151-6, Feb 71
Vitiligo--treatment with trimethylpsoralen. Bleehen SS. Br J Dermatol 84:186-8, Feb 71
Vitiligo--response to 0.2 percent betamethasone 17-valerate in flexible collodion. Kandil E. Dermatologica 141:277-81, 1970

ETIOLOGY

Guttate leukoderma in Darier's disease. Cornelison RL, et al. Arch Dermatol 102:447-50, Oct 70
[Simultaneous occurrence of Biermer's disease and Paget's disease. Observations of 5 associated cases. 1 of them with vitiligo] Beickert A, et al. Dtsch Gesundheitsw 26:579-83, 25 Mar 71 (Ger)
[Some indices of the functional state of the adrenal cortex and copper metabolism in patients with vitiligo] Tadzhibaev TT. Vestn Dermatol Venerol 45:26-9, Feb 71 (Rus)

FAMILIAL & GENETIC

Hypoparathyroidism, candidiasis, alopecia and vitiligo. Fields JP, et al. Arch Dermatol 103:687-9, Jun 71
Autosomal recessive deafnessassociated with short stature, vitiligo, muscle wasting and achalasia. Rozycki DL, et al. Arch Otolaryngol 93:194-7, Feb 71
[Vitiligo and blood groups] Oriente Biondi C, et al. Rass Int Clin Ter 49:1395-9, 30 Nov 69 (Ita)

METABOLISM

[Copper metabolism disorders in vitiligo] Huriez C. Arch Belg Dermatol Syphiligr 26:347-62, Jul-Sep 70 (Fre)

PHYSIOPATHOLOGY

[Functional state of the thyroid gland in patients with vitiligo] Borisenko KK. Vestn Dermatol Venerol 45:42-5, Jan 71 (Rus)

THERAPY

Oral trisoralen therapy in vitiligo. Dawber RP. Br J Dermatol 83:386-90, Sep 70
[Histopathological and histochemical studies in vitiligo following thalassotherapy] Dimitrova I, et al. Dermatol Monatsschr 156:1021-8, Dec 70 (Ger)

VITREOUS BODY (A9)

Unusual case of ophthalmomyiasis interna posterior. Hunt EW Jr. Am J Ophthalmol 70:978-80, Dec 70
Integrity and position of the anterior hyaloid membrane following cataract extraction. Landegger GP, et al. Am J Ophthalmol 72:390-2, Aug 71
The vitreous wick syndrome. A late complication following cataract extraction. Ruiz RS, et al. Am J Ophthalmol 70:483-90, Oct 70
Penetrating ocular injury by a plant seed. Bettman JW Jr, et al. Arch Ophthalmol 85:695-8, Jun 71
Retinal dialysis. Brockhurst RJ, et al. Arch Ophthalmol 85:637-8, May 71
The lens and vitreous. Freeman HM. Arch Ophthalmol 84:675-89, Nov 70 (109 ref.)
Familial exudative vitreoretinopathy. An expanded view. Gow J, et al. Arch Ophthalmol 86:150-5, Aug 71
Nonhematogenous interocular protein transfer. I. Validity and possible routes. Hasty ND, et al. Arch Ophthalmol 85:309-14, Mar 71
The vitreous. Jaffe NS. Arch Ophthalmol 85:501-9, Apr 71 (40 ref.)
Avulsed retinal vessels with retinal breaks; a cause of recurrent vitreous hemorrhage. Robertson DM, et al. Arch Ophthalmol 85:669-72, Jun 71
The recovery phase after ocular hypotension induced by compression. Schimek RA, et al. Arch Ophthalmol 85:288-94, Mar 71
Prevention of vitreous loss. Galin MA, et al. Br J Ophthalmol 55:533-7, Aug 71
Experimental asteroid hyalopathy. Lamba PA, et al. Br J Ophthalmol 55:279-83, Apr 71
Transvitreal electrocoagulation of rabbit fundal vessels. Fejer TP, et al. Can J Ophthalmol 5:274-83, Jul 70
Vascular factors in asteroid hyalopathy. Clinical and biochemical observations. Lamba PA, et al. Can J Ophthalmol 6:46-51, Jan 71
The swelling implant. Refojo MF. J Biomed Mater Res 5:179-88, 1971
The 2 component of the vitreal -wave and its intraretinal localization in the frog retina. Fatechand R. Vision Res 11:489-500, Jun 71
[Hormonal therapy of recurrent juvenile hemorrhages in the vitreous body] Klíma M, et al. Cesk Oftalmol 27:79-81, Mar 71 (Cze)
[Vitreous body hemorrhage after retrobulbar injection] Kubík J. Cesk Oftalmol 27:184-6, May 71 (Cze)
[The myodesopsias. Therapeutic trial] Hervouet F, et al. Ann Ocul (Paris) 204:491-516, May 71 (Fre)
[Chorioretinal lesions and vitreous changes predisposing to retinal detachment] François J. Annee Ther Clin Ophtalmol 20:113-48, 1969 (Fre)
[Physiopathologic modifications of the vitreous body and subretinal fluid] Regnault F, et al. Annee Ther Clin Ophtalmol 20:49-56, 1969 (Fre)
[Intra-vitreous hemorrhages and echography A] Rousselie F, et al. Arch Ophtalmol (Paris) 31:399-412, May 71 (Fre)
[Results of substitutive therapy of the vitreous body in children] Esanu I, et al. Bull Mem Soc Fr Ophtalmol 82:188-90, 1969 (Fre)
[Ultrasonic examination of the vitreous body] Massin M, et al. Bull Mem Soc Fr Ophtalmol 81:63-73, 1968 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Extraction of intravitreous foreign bodies after radiographic localization with a grid, Athanasiu's method] Miron MS, et al.
Bull Mem Soc Fr Ophtalmol 81:119-24, 1968 (Fre)
[Synchysis of the anterior chamber] Viallefont H, et al.
Bull Mem Soc Fr Ophtalmol 82:311-22, 1969 (Fre)
[Abscess of the vitreous body, an unusual form of post-traumatic uveitis] Woilliez M, et al.
Bull Mem Soc Fr Ophtalmol 82:251-60, 1969 (Fre)
[Postinflammatory vitreous body detachment of pseudocystic aspect] Bronner A, et al.
Bull Soc Ophtalmol Fr 69:657-9, Jul-Aug 69 (Fre)
[Cryo-extraction of intra-vitreous copper fragments] Haut J, et al.
Bull Soc Ophtalmol Fr 69:143-6, Feb 69 (Fre)
[Results of our initial trial of injection of despecified vitreous of animal origin in treatment of retinal detachment] Perdriel G, et al.
Bull Soc Ophtalmol Fr 69:76-9, Jan 69 (Fre)
[Hernias and ruptures of the vitreous body after cataract surgery. Clinical study and treatment] Royer M. Bull Soc Ophtalmol Fr 68:495-500, Apr 68 (Fre)
[Bacterial sensitization in Eales disease] Saraux H, et al. Bull Soc Ophtalmol Fr 68:151-5, Feb 68 (Fre)
[Treatment of diabetic retinopathy and recurrent hemorrhages into the vitreous with calcium dobesilate] Favre M.
Ophthalmologica 161:389-93, 1970 (Fre)
[Basal cell nevus syndrome with retinopathia pigmentosa, recurrent vitreous body hemorrhage and chromosome aberrations] Happle R, et al.
Arch Dermatol Forsch 241:96-114, 1971 (Ger)
[Consideration of the prevention of vitreous body complications of the management of vitreous body loss during cataract extraction] Süchting P.
Klin Monatsbl Augenheilkd 156:548-51, 1970 (Ger)
[Studies on leptospiral uveitis] Weder W.
Klin Monatsbl Augenheilkd 158:330-8, Mar 71 (Ger)
[Intravitreal administration in the study of experimental physiopathology of the retina. II. Effects of iodoacetic acid] Ponte F, et al.
Ann Ottalmol Clin Ocul 94:477-89, May 68 (Ita)
[Intravitreal administration in the study of experimental physiopathology of the retina. I. Effects on ocular pressure] Ponte F, et al.
Ann Ottalmol Clin Ocul 94:466-76, May 68 (Ita)
[Outline of a new trend in therapy of vitreous opacity of inflammatory origin] Valerio M, et al.
Ann Ottalmol Clin Ocul 95:703-7, Aug 69 (Ita)
[Effects of photocoagulation on the glycoprotein content of the vitreous body] Nastri G, et al.
Minerva Oftalmol 12:116-8, Jul-Aug 70 (Ita)
[Influence of laser photocoagulation on the refraction index of the aqueous and vitreous humors] Nastri G, et al. Minerva Oftalmol 11:63-5, Mar-Apr 69 (Ita)
[Thermal effects of laser photocoagulation on intraocular tissues and fluids] Sbordone G, et al.
Minerva Oftalmol 11:66-9, Mar-Apr 69 (Ita)
[Studies on an ultrasonic diagnosis in ophthalmology. 3. An ultra-sound technique for the vitreous body of healthy and affected eyes] Tane S, et al.
Folia Ophthalmol Jap 22:79-85, Feb 71 (Jap)
[Ultrasonic diagnosis of vitreous body opacity] Tane S, et al. Ophthalmology (Tokyo) 13:511-9, May 71 (Jap)
[Intravitreal implantation of silicon in retinal detachment] Gindorova RA, et al.
Oftalmol Zh 26:88-91, 1971 (Rus)
[Eye changes in rabbits following the administration of various quantities of silicon fluid into the vitreous body] Iuodkafte GIu.
Oftalmol Zh 26:98-101, 1971 (Rus)
[Early and late results of intravitreal administration of silicon in acute forms of retinal detachment] Muratova DI. Oftalmol Zh 26:95-8, 1971 (Rus)
[Preoperative reduction of the intraocular pressure as a measure to prevent prolapse of the vitreous body in intracapsular extraction of the cataract] Fedorov SN, et al. Vestn Oftalmol 4:50-4, 1970 (Rus)

ABNORMALITIES

The vitreo-tapeto-retinal degenerations. Carr RE, et al.
Arch Ophthalmol 84:436-41 passim, Oct 70
[Congenital hyaloid-retinal dysplasias and their differential diagnosis] Ricci A.
J Genet Hum Suppl 7:1-191, 1969 (Fre)

ANALYSIS

Shape and structure of pseudocrystals in the human vitreous. Zajácz M, et al.
Acta Morphol Acad Sci Hung 18:111-5, 1970
Changes in the molecular morphology of the vitreous after intraocular surgery. Osterlin S.
Acta Ophthalmol (Kbh) 48:829, 1970
Lincomycin levels in rabbit ocular fluids and serum. Coles RS, et al. Am J Ophthalmol 72:464-7, Aug 71
Clinical, biochemical, and immunoelectrophoretic study of subretinal fluid. Chignell AH, et al.
Br J Ophthalmol 55:525-32, Aug 71
The aqueous and vitreous humours of the giant toad, Bufo marinus. Cole DF.
Comp Biochem Physiol 26:353-7, Jul 68
Intraocular fluid dynamics. II. Postmortem changes in solute concentrations. Bito LZ, et al.
Exp Eye Res 10:273-87, Oct 70
Vitreous bodies: etiopathological investigation. Lamba PA, et al. Indian J Med Res 58:1180-3, Sep 70
[A method for the experimental demonstration of the sympathetic irritation following exogenic noxae] Kutschera E, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:140-6, 1971 (Ger)
[The significance of potassium concentration in the vitreous body for the determination of the time of death] Krause D, et al.
Z Aerztl Fortbild (Jena) 65:345-8, 15 Mar 71 (Ger)
[Comparative study of the physical and biochemical changes of tissues and intraocular fluids induced by laser photocoagulation and xenon-lamp photocoagulation] Sbordone G, et al.
Minerva Oftalmol 11:191-8, Nov-Dec 69 (Ita)
[Influence of photocoagulation on alkaline reserve of endocular fluids] Sbordone G, et al.
Minerva Oftalmol 11:158-9, Sep-Oct 69 (Ita)

ANATOMY & HISTOLOGY

Recovery of intraocular pressure and vitreous weight after ocular compression. Obstbaum SA, et al.
Am J Ophthalmol 71:1059-65, May 71
[Postmortem slitlamp study of the vitreous body. 3. Relation to histology, biomicroscopy and clinical applications] Eisner G.
Albrecht von Graefes Arch Klin Ophthalmol 182:23-40, 1971 (Ger)
[Postmortem slitlamp study of the vitreous body. I. Preparation and examination technique] Eisner G.
Albrecht von Graefes Arch Klin Ophthalmol 182:1-7, 1971 (Ger)
[Postmortem slitlamp study of the vitreous body. II. Pattern of vitreous structures made visible by the slitbeam] Eisner G.
Albrecht von Graefes Arch Klin Ophthalmol 182:8-22, 1971 (Ger)

BLOOD SUPPLY

Diagnosis and management, vitreous hemorrhage. Ruiz RS. Tex Med 67:76-8, Apr 71

CYTOLOGY

Cells of the vitreous in glaucoma. Van Riel HJ.
Ophthalmologica 162:285-6, 1971
The normal fine structure and aging changes of the human zonular fibers with special regard to the degeneration of collagen in senile ciliary body and in pinguecula. Gärtner J.
Z Zellforsch Mikrosk Anat 114:281-300, 1971
[Cellular elements of the vitreous body] Vrabec F.
Ann Ocul (Paris) 202:561-72, Jun 69 (Fre)
[Hyalocytes in tissue culture] Hilwig I.
Z Zellforsch Mikrosk Anat 113:544-52, 1971 (Ger)

DRUG EFFECTS

Intraocular pressure rebound. Robbins RM, et al.
Br J Ophthalmol 55:177-82, Mar 71
[Ocular hydrodynamics after marked reduction of ocular tension with osmotic substances] Bucci MG, et al. Boll Ocul 48:569-87, Aug 69 (Ita)
[Accidental introduction of a depot corticosteroid into the vitreous body. Description of a case and experimental study] Moschini GB.
Boll Ocul 48:426-32, Jun 69 (Ita)

IMMUNOLOGY

[Antigenic mosaics of the vitreous body and surrounding tissues: experimental study] Remky H.
Bull Mem Soc Fr Ophtalmol 81:91-5, 1968 (Fre)
[Allergic hyperergic reactions in the retinal vessels after a single administration of allergen in the vitreous body] Rodenhäuser JH.
Ber Dtsch Ophthalmol Ges 70:143-8, 1970 (Ger)

INJURIES

Macular and vitreal disturbances produced by traumatic vitreous rebound. Daily L.
South Med J 63:1197-8, Oct 70

METABOLISM

The penetration of quinine, salicylic acid, PAS, salicyluric acid, barbital and lithium across the vitreous barrier of the rabbit eye. Sorensen PN.
Acta Pharmacol Toxicol (Kbh) 29:194-208, 1971
[Toxic action of hemoglobin on the vitreous body and retina] Regnault F.
Bull Mem Soc Fr Ophtalmol 81:102-11, 1968 (Fre)
[Influence of iron foreign bodies upon the concentration of amino acids in vitreous and aqueous humour] Weige-Lüssen L, et al.
Ber Dtsch Ophthalmol Ges 70:388-95, 1970 (Ger)

PATHOLOGY

The fine structure of the vitreous base of the human eye and pathogenesis of pars planitis. Gärtner J.
Am J Ophthalmol 71:1317-27, Jun 71
Retrolental fibroplasia in the cicatricial stage. Fundus and vitreous findings. Faris B, et al.
Arch Ophthalmol 85:661-8, Jun 71
Paravascular vitreoretinal attachments. Role in retinal tears. Spencer LM, et al.
Arch Ophthalmol 84:557-64, Nov 70
Angle closure glaucoma in infancy. McCormick AQ, et al. Can J Ophthalmol 6:38-41, Jan 71
Retinal fragment in vitreous: a pathology report. Teng CC. Eye Ear Nose Throat Mon 50:176-8, May 71
Unusual cause of vitreous opacities. Primary familial amyloidosis. Hamburg A.
Ophthalmologica 162:173-7, 1971
[Macular lesions due to vitreous traction] Velissaropoulos P, et al.
Ann Ocul (Paris) 201:1141-7, Nov 68 (Fre)
[Retinal detachment in aphakic patients] Bessière E.
Annee Ther Clin Ophtalmol 20:271-7, 1969 (Fre)
[Biomicroscopy of the vitreous body in children with myopia] Brandt HP, et al.
Klin Monatsbl Augenheilkd 156:340-9, Mar 70 (Ger)

PHYSIOLOGY

[Physiology and surgery of the vitreous body] Brini A, et al. Bull Mem Soc Fr Ophtalmol 81:1-62, 1968 (Fre)
[Photoelastic studies on the structure of the vitreous body. II. Plane and three-dimensional stress-optical experiments] Hochgesand P, et al.
Albrecht von Graefes Arch Klin Ophthalmol 181:36-50, 1970 (Ger)

SURGERY

A follow-up study of vitreous loss during cataract surgery managed by anterior vitrectomy. Cerasoli JR, et al. Am J Ophthalmol 71:1040-3, May 71
Out, vile jelly. (King Lear, Act III, Scene VII). Heuven WA van. Arch Ophthalmol 85:131-2, Feb 71
Removal of vitreous from the anterior chamber in vitreo-corneal adhesions. Friedman B.
Eye Ear Nose Throat Mon 49:143, Mar 70
Vitrectomy: a pars plana approach. Machemer R, et al.
Trans Am Acad Ophthalmol Otolaryngol 75:813-20, Jul-Aug 71
Vitreous replacement. Hudson JR.
Trans Ophthalmol Soc UK 89:41-6, 1970
Surgery for retinal dysplasia and hyperplasia of the persistent primary vitreous. Selm J van.
Trans Ophthalmol Soc UK 89:545-56, 1970
Vitrectomy in cataract and corneal surgery. Troutman RC.
Trans Pac Coast Otoophthalmol Soc 51:157-73, 1970
[Current technics in vitreous body surgery] Schepens L. Annee Ther Clin Ophtalmol 20:57-67, 1969 (Fre)
[Physiology and surgery of the vitreous body] Brini A, et al. Bull Mem Soc Fr Ophtalmol 81:1-62, 1968 (Fre)
[Problems in vitreous body surgery and indications for intravitreous injections] Moreau PG, et al.
Bull Mem Soc Fr Ophtalmol 81:74-9, 1968 (Fre)
[Lyophilized vitreous body and hyaluronic acid in vitreous body surgery] Sémonin P, et al.
Bull Mem Soc Fr Ophtalmol 81:80-5, 1968 (Fre)
[Replacement of vitreous body substance and immunology] Solé P, et al.
Bull Mem Soc Fr Ophtalmol 81:96-101, 1968 (Fre)
[Cryocoagulation treatment of vitreous body hemorrhage] Haut J, et al.
Bull Soc Ophtalmol Fr 69:539-42, May-Jun 69 (Fre)
[Further applications of operation microscopes] Draeger J.
Ber Dtsch Ophthalmol Ges 70:89-93, 1970 (Ger)

TRANSPLANTATION

Eye tissue transplantation in children. Holt LB.
Eye Ear Nose Throat Mon 49:172-4, Apr 70
[Replacement of pathologic vitreous body by that of a cadaver] Offret G, et al.
Bull Mem Soc Fr Ophtalmol 81:86-90, 1968 (Fre)

VIVISECTION (E5)

Antivivisection rides again. JAMA 217:70, 5 Jul 71
[Animal experimentation versus anti-vivisection] Voorhoeve PE.
Ned Tijdschr Geneeskd 115:221-3, 6 Feb 71 (Dut)

VOCABULARY (L)

Some effects of verbal load on achievement tests. Borkstein H. Am Ann Deaf 116:44-8, Feb 71
Receptive vocabulary as a factor in the discrimination performance of low-functioning children. Bricker WA, et al. Am J Ment Defic 75:599-605, Mar 71
The growth of manual preference and speed. Annett M.
Br J Psychol 61:545-58, Nov 70
A semanticist criticizes professional jargon. Hayakawa SI. Hosp Community Psychiatry 21:221, Jul 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Patterns of declining memory. Gilbert JG, et al. J Gerontol 26:70-5, Jan 71
On normal and autistic pronouns. Fay WH. J Speech Hear Disord 36:242-9, May 71
Words in medicine--a student's point of view. Crompton JL. Med J Aust 1:154-6, 16 Jan 71
A program to increase vocabulary and spontaneous verbal behavior. Paine HA, et al. Ment Retard 8:38-44, Apr 70
The vocabulary of chronic hepatitis. Popper H, et al. N Engl J Med 284:1154-6, 20 May 71
[Teaching of medical and scientific language. II. Presentation of an oral communication] Revillard JP. Lyon Med 224:335-45, 18 Oct 70 (Fre)
[Language in mental retardates: the Type-Token ratio] Baracchini G, et al. Riv Neurobiol 16:235-40, Apr-Jun 70 (Ita)

VOCABULARY, CONTROLLED see under SUBJECT HEADINGS (L)

VOCAL CORD PARALYSIS (C5, C10)

COMPLICATIONS

[Does Ortner's syndrome exist?] Coury C, et al. Ann Med Interne (Paris) 122:41-8, Jan 71 (Fre)

DIAGNOSIS

Clinical application of electromyography in vocal fold mobility disorders. Kotby MN, et al. Acta Otolaryngol (Stockh) 70:428-37, Nov-Dec 70

ETIOLOGY

Endotracheal intubation. Benson DW, et al. Arch Otolaryngol 93:221, Feb 71
Vocal-cord paralysis with endotracheal intubation. Hahn FW Jr, et al. Arch Otolaryngol 92:228-9, Sep 70
Thorium-dioxide granuloma with laryngeal palsy. Kobayashi T, et al. Arch Otolaryngol 92:272-4, Sep 70
Amyloid goiter. New associations and surgical treatment. Shapiro ST, et al. Arch Otolaryngol 93:203-8, Feb 71
Postoperative vocal cord paralysis in paediatric patients. Reports of cases and a review of possible aetiological factors. Salem MR, et al. Br J Anaesth 43:696-700, Jul 71
Vocal cord paralysis in Guillian-Barre syndrome. Mattucci KF, et al. Eye Ear Nose Throat Mon 49:318-21, Jul 70
Vocal cord paralysis following intubation. David DS, et al. JAMA 216:1645-6, 7 Jun 71
Vocal cord paralysis after tracheal intubation. Holley HS, et al. JAMA 215:281-4, 11 Jan 71
Clinical significance of fixed vocal cord. Kirchner JA, et al. Laryngoscope 81:1029-44, Jul 71
Neurological complications of influenza A2-Hong Kong-68 virus. Bryson A. Med J Aust 2:654, 3 Oct 70
[Vocal cord paralysis as a complication of influenza] Larsen BI. Ugeskr Laeger 133:391-5, 5 Mar 71 (Dan)
[Recurrent nerve compression] Gandt JB de. Acta Otorhinolaryngol Belg 24:520-54, 1970 (Fre)
[Bilateral influenzal recurrent paralysis] Pinel J, et al. Ann Otolaryngol Chir Cervicofac 88:280-3, Apr-May 71 (Fre)
[Recurrent paralysis and cardiovascular diseases] Ruillère R, et al. Coeur Med Interne 10:203-10, Apr-Jun 71 (Fre)
[Tuberculous recurrent nerve paralysis] Calvet J, et al. J Fr Otorhinolaryngol 20:23-4, Jan 71 (Fre)
[Gerhardt's syndrome revealing thyroid cancer] Escat M, et al. J Fr Otorhinolaryngol 18:689-91, Nov 69 (Fre)
[A case of recurrent paralysis due to fibrous thyroiditis regressing after surgical treatment] Soustelle J, et al. Lyon Chir 67:142-3, Mar-Apr 71 (Fre)
[Left recurrent paralysis, 1st clinical manifestation of a right thyroid reticulosarcoma] Soustelle J, et al. Lyon Chir 67:143-5, Mar-Apr 71 (Fre)
[Etiological study of so-called essential recurrent nerve paralysis (thoughts on 14 cases)] Calvet J, et al. Rev Otoneuroophtalmol 42:354-8, Sep-Oct 70 (Fre)
[Hypoparathyroidism with neurologic manifestations involving especially certain pairs of cranial nerves] Hartemann P, et al. Rev Otoneuroophtalmol 41:339-44, Sep-Oct 69 (Fre)
[Regressive unilateral laryngeal and pharyngeal paralysis as a complication of infectious mononucleosis. Apropos of 2 cases] Kiffer A, et al. Rev Otoneuroophtalmol 43:157-60, Apr 71 (Fre)
[Accumulated incidence of idiopathic vocal cord paralysis] Mair P. Wien Klin Wochenschr 83:217-9, 26 Mar 71 (Ger)
[Laryngeal diplegia in adduction. Etiopathogenetic and clinical considerations. (21 personal cases)] Paroiari P, et al. Arch Ital Otol 80:577-92, Nov-Dec 69 (Ita)
[On several cases of recurrent paralysis observed during an influenza epidemic caused by the Hong-Kong A-2 virus in 1968] Frenguelli A, et al. Boll Mal Orecch Gola Naso 88:235-42, 1970 (Ita)
[Evaluation of the respiratory ventilation reserve in bilateral paralysis of the vocal cords following thyroid surgery] Tluchowski W, et al. Otolaryngol Pol 24:575-81, 1970 (Pol)
[Recurrent nerve paralysis in bronchopulmonary neoplasm] Buruiană M. Otorinolaringologie 16:111-21, Mar-Apr 71 (Rum)
[Recurrent nerve paralysis in pulmonary tuberculosis] Kudriavitskif VA. Probl Tuberk 48:63-4, 1970 (Rus)
[Recurrent nerve injury in strumectomy] Rusanova NI. Vestn Khir 102:26-32, May 69 (Rus)

OCCURRENCE

[Epidemic-like occurrence of recurrent nerve paralysis in winter of 1969-70] Hefter E, et al. Int Z Vitaminforsch 40:787-93, 1970 (Ger)
[Increased occurrence of vocal cord paralysis during influenza epidemic in the winter 1969-70] Wirth G, et al. Int Z Vitaminforsch 40:777-84, 1970 (Ger)
[Increased occurrence of vocal cord paralysis during influenza epidemic in the winter 1969-70] Wirth G, et al. Z Laryngol Rhinol Otol 49:777-84, Dec 70 (Ger)

PHYSIOPATHOLOGY

The cricothyroid as a respiratory muscle. Its characteristics in bilateral recurrent laryngeal nerve paralysis. Suzuki M, et al. Ann Otol Rhinol Laryngol 79:976-83, Oct 70
The results of vocal organ investigations of the deaf. Pawlowski Z, et al. Folia Phoniatr (Basel) 22:434-44, 1970
The paralyzed larynx: an electromyographic study in dogs and humans. Dedo HH. Laryngoscope 80:1455-517, Oct 70 (198 ref.)
[Mechanics of phonation and laryngeal diseases] Pincini G. Valsalva 46:113-29, Jun 70 (Ita)

PREVENTION & CONTROL

[Plea for complete dissection of the recurrent nerve in total thyroid lobectomy] Blondeau P, et al. Chirurgie 97:446-58, May-Jun 71 (Fre)

RADIOGRAPHY

Study in circus tomography. (35th report). Clinical application. Tomography of the larynx. 3. Pathological changes of the larynx. Kimura K. Fukushima J Med Sci 17:1-12, 1970
[Contrast laryngography and spot-film in the study of laryngeal paralysis] Russo C, et al. Boll Mal Orecch Gola Naso 87:464-88, 1969 (Ita)

REHABILITATION

Laryngeal paralysis and rehabilitation. Renfrew CE. J Laryngol Otol 85:603-5, Jun 71
Singing with a paralysed cord. Aherne G. Lancet 2:1313, 19 Dec 70

SURGERY

[Treatment of several cases of bilateral paralysis of abduction of the vocal cords] Leroux-Robert J. Acta Otorhinolaryngol Belg 23:555-63, 1969 (Fre)
[Treatment of the closing bilateral laryngeal paralysis] Piquet JJ, et al. J Fr Otorhinolaryngol 20:673-6, May 71 (Fre)
[Endoscopic management of vocal cord paralysis] Westhues M. Z Laryngol Rhinol Otol 50:557-62, Aug 71 (Ger)
[Surgery of paralysis of the laryngeal abductors: route of approach. Critique. Personal experience] López Martínez R, et al. Acta Otorinolaryngol Iber Am 21:474-82, 1970 (Spa)

THERAPY

Tracheotomy avoidance. Glycerine vocal cord injection. Lewy RB. Arch Otolaryngol 92:502-4, Nov 70
[Transitory recurrent nerve paralysis] Calvet J, et al. Rev Otoneuroophtalmol 42:136-9, Apr 70 (Fre)

VOCAL CORDS (A4)

Papillomata of the vocal folds: a review. Cooper M. J Speech Hear Disord 36:51-60, Feb 71
[Histological and clinical diagnosis of the singers' nodes and of the polyps of the vocal cords] Zbořil M, et al. Cesk Otolaryngol 20:56-9, Apr 71 (Cze)
[Repetitive epithelioma of the vocal cord] Bourdial J, et al. Ann Otolaryngol Chir Cervicofac 87:816-7, Dec 70 (Fre)
[Abrikossof tumors: 2 recent cases] Piaget F, et al. J Fr Otorhinolaryngol 18:808-9, Dec 69 (Fre)
[Radiotherapy of epitheliomas in situ and of other "borderline" lesions of the vocal cords] Fletcher GH, et al. J Radiol Electrol Med Nucl 51:241-6, May 70 (Fre)
[Rheumatic granuloma of the vocal cords] Albrecht R. Monatsschr Ohrenheilkd Laryngorhinol 104:485-8, 1970 (Ger)
[Closed hemilaryngectomy] Alonso JM. Z Laryngol Rhinol Otol 49:677-82, Oct 70 (Ger)
[Observations on 2 cases of precancerous condition of the vocal cords] Invernizzi M. Arch Ital Otol 80:55-60, Jan-Feb 69 (Ita)
[Vocal rehabilitation using injectable silicone] Fukuda H. J Otolaryngol Jap 73:1506-26, Sep 70 (Jap)
[Coexistence of carcinoma and sarcoma of the right vocal cord] Kociolek G, et al. Otolaryngol Pol 24:567-8, 1970 (Pol)
[Polyp-like hypertrophy of the vocal folds] Usol'tsev NN, et al. Vestn Otorinolaringol 32:32-8, Sep 70 (Rus)
[Premenstrual dysphonia] Keramitčievski S, et al. God Zb Med Fak Skopje 16:315-20, 1970 (Cro)

ABNORMALITIES

Agenesis of vocal cords in a case of tuberous sclerosis. Lautch H, et al. J Laryngol Otol 85:871-5, Aug 71

ANATOMY & HISTOLOGY

[The physico-anatomical principle of the human vocal cords] Minnigerode B. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:97-108, 1970 (Ger)
[Adduction asymmetry of the larynx in singers (Asymmetria arytaenoidea cruciata cantatorum)] Lacina O. Folia Phoniatr (Basel) 22:100-6, 1970 (Ger)
[Studies on the structure of the vocal organ and on voice in the chimpanzee] Jordan J. Folia Morphol (Warsz) 30:105-34, 1971 (Pol)

CYTOLOGY

[Morphologic studies on receptors of the ligamentum vocale in various mammals and in man] Tillmann B. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:356-9, 1970 (Ger)

DRUG EFFECTS

[Voice disorders caused by androgen hormonal therapy] Bourdial J. Ann Otolaryngol Chir Cervicofac 87:725-34, Dec 70 (Fre)
[Malignant degeneration of Reinke's edema of the vocal cords] Eggemann G. Z Laryngol Rhinol Otol 49:300-3, May 70 (Ger)

INJURIES

[Unusual location of a foreign body in the vocal cord] Krejović B. Srp Arh Celok Lek 98:803-7, May 70 (Ser)

PATHOLOGY

[Electron microscopic examinations of the human larynx. Epithelium of plica vocalis in non-keratinized and keratotically changed conditions] Treeck HH. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:347-53, 1970 (Ger)
[Development pattern and clinical histopathology of vocal cord cancer] Utsumi S. J Otolaryngol Jap 73:1488-505, Sep 70 (Jap)
[Case of epidermal cyst of the vocal cord] Ueda R, et al. Otolaryngology (Tokyo) 43:553-6, 1971 (Jap)

PHYSIOLOGY

Vocal cord abduction by regenerated recurrent laryngeal nerve. An experimental study in the dog. Murakami Y, et al. Arch Otolaryngol 94:64-8, Jul 71
Vocal cord remobilization in the canine larynx. Tucker HM, et al. Arch Otolaryngol 92:530-3, Dec 70
Vocal fold length associated with modal, falsetto and varying intensity phonations. Hollien H, et al. Folia Phoniatr (Basel) 23:66-78, 1971
The primary female register transition in singing. Aerodynamic study. Large J, et al. Folia Phoniatr (Basel) 22:385-96, 1970
Vocal initiation. High speed cinematographic studies on normal subjects. Werner-Kukuk E, et al. Folia Phoniatr (Basel) 23:107-16, 1970
Mechanics of voice production. II. Regulation of pitch. Koyama T, et al. Laryngoscope 81:45-65, Jan 71
Functional results of vocal cord transplantation in dogs. Rosenblatt AA, et al. Surg Forum 21:485-6, 1970
[Electroglottography and slow-motion films of the larynx. Comparison of results] Michel C van, et al. Folia Phoniatr (Basel) 23:81-91, 1970 (Fre)
[Current knowledge on physiology of phonation] Charachon D. J Fr Otorhinolaryngol 20:403-8, Feb 71 (Fre)
[Evolution of phonation from early infancy to puberty: electro-glottographic study] Holm C. J Fr Otorhinolaryngol 20:437-40, Feb 71 (Fre)
[The physico-anatomical principle of the human vocal cords] Minnigerode B. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 197:97-108, 1970 (Ger)
[Interpretation of electric and photoelectric glottograms] Köster JP, et al. Folia Phoniatr (Basel) 22:92-9, 1970 (Ger)
[Laryngographic studies on the vocal cords] Smith S. Folia Phoniatr (Basel) 22:169-75, 1970 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Voice production under various atmospheric conditons. 3. Conclusions and relation to audiology] Schlöndorff G.
Z Laryngol Rhinol Otol 50:325-39, May 71 (Ger)
[Quality of the singing voice: the timbre of voice in Monteverdi's operas] (Monteverdi C), Schindler O, et al. Minerva Otorinolaringol 19:202-14, Jul-Aug 69 (Ita)
[On the method of electromyographic examination of the velo-palatine, pharyngeal and laryngeal musculature] Asgian B, et al.
Stud Cercet Neurol 15:319-26, 1970 (Rum)
[Current tasks of phonetics and phoniatry] Ermolaev VG. Vestn Otorinolaringol 32:22-7, Sep 70 (Rus)

PHYSIOPATHOLOGY

The results of vocal organ investigations of the deaf. Pawlowski Z, et al.
Folia Phoniatr (Basel) 22:434-44, 1970
[Role of the vocal cords in the emphatic and explosive voice in cerebellar lesions (laryngostroboscopic study in patients with trembling Westphall-Strumpell pseudosclerotic hepatolenticular degeneration)] Mavlov L, et al.
Rev Laryngol Otol Rhinol (Bord) 90:320-4, May-Jun 69 (Fre)
[Electromyographic semiology of the velo-palatine, pharyngeal and laryngeal muscles] Asgian B, et al.
Stud Cercet Neurol 15:309-83, 1970 (Rum)
[Electromyographic analysis of the functional status of the vocal muscles in persons in vocal professions] Gerasimova SS, et al.
Vestn Otorinolaringol 32:27-30, Sep 70 (Rus)

RADIOGRAPHY

Roentgenographic findings in lipoid proteinosis: a case report. Weidner WA, et al.
Am J Roentgenol Radium Ther Nucl Med 110:457-61, Nov 70
[Laryngography with opacification (an indispensable examination in the exploration of limited vocal cord cancers)] Jing BS, et al.
J Radiol Electrol Med Nucl 51:471-7, Aug-Sep 70 (Fre)

SURGERY

Ventriculocordectomy technic for use on research swine. Mackey WJ, et al.
Lab Anim Care 20:992-4, Oct 70
Symposium on surgery for the improvement of voice. Leden H von, et al.
Trans Pac Coast Otoophthalmol Soc 50:351-62, 1969
Technics for devocalizing small animals (a review). Marlow JB Jr.
Vet Med Small Anim Clin 66:129-34, Feb 71
[Endoscopic section of vocal cord synechia] Piquet JJ, et al.
Ann Otolaryngol Chir Cervicofac 88:115-7, Jan-Feb 71 (Fre)
[A simple and dependent method for stretching and shifting of the vocal cords medianwards in dysphonia and aphonia with phonatory dyspnea] Mündnich K.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:324-6, 1970 (Ger)

TRANSPLANTATION

Vocal cord transplantation in dogs. Cherry J, et al.
Ann Otol Rhinol Laryngol 79:1077-83, Dec 70
Functional results of vocal cord transplantation in dogs. Rosenblatt AA, et al. Surg Forum 21:485-6, 1970

VOCALIZATION, ANIMAL (F1)

On the mechanism of modulating the volume of the voice in howling monkeys. Schön MA.
Acta Otolaryngol (Stockh) 70:443-7, Nov-Dec 70
Sensitivity of echolocation in cave swiftlets. Griffin DR, et al. Biol Bull 139:495-501, Dec 70
Vocal communication by the frog Eleutherodactylus martinicensis. Lemon RE. Can J Zool 49:211-7, Feb 71
Neural substrates of vocalizations in gulls and pigeons. Delius JD. Exp Brain Res 12:64-80, 1971
Modulation of laryngeal activity by pulmonary changes during vocalization in cats. Testerman RL.
Exp Neurol 29:281-97, Nov 70
Neuroanatomical regions relevant to production and analysis of vocalization within the avian torus semicircularis. Potash LM.
Experientia 26:1104-5, 15 Oct 70
Vocalizations of East African monkeys. I. Red colobus. Marler P. Folia Primatol (Basel) 13:81-91, 1970
Attenuation of rat vocalizations to shock by a stimulus: sensory interaction effects? Badia P, et al.
J Comp Physiol Psychol 76:131-6, Jul 71
Mechanics of sound production in toads of the genus Bufo: passive elements. Martin WF.
J Exp Zool 176:273-93, Mar 71
Neural lateralization of vocal control in a passerine bird. I. Song. Nottebohm F.
J Exp Zool 177:229-61, Jun 71
Vocalization of mice: a single genetic unit effect. Whitney GD. J Hered 60:337-40, Nov-Dec 69
Vocal behaviour of new-born rats as a means of recording time of birth. Wade AJ.
J Physiol (Lond) 208:13P-14P, May 70
Bats and fog. Pye JD. Nature (Lond) 229:572-4, 19 Feb 71
Patterned response to song in cricket central auditory neurone. Zaretsky MD.
Nature (Lond) 229:195-6, 15 Jan 71
Echolocation in bats: signal processing of echoes for target range. Simmons JA. Science 171:925-8, 5 Mar 71
Periodical cicada: sound production and hearing. Simmons JA, et al. Science 171:212-3, 15 Jan 71
[Structure of the double clicks of echolocation of the globicephalus (odontocete Cetacea)] Busnel RG, et al.
C R Acad Sci [D] (Paris) 272:2459-61, 10 May 71 (Fre)
[Ontogenesis of communications with sound in vertebrates] Cosnier J, et al.
J Fr Otorhinolaryngol 20:443-9, Feb 71 (Fre)
[A tuneable amplifier for the recording of insect voices] Wilhelm R, et al.
Experientia 27:113-4, 15 Jan 71 (Ger)
[Frequency analysis of the sounds uttered by the dolphin Platanista indi (Cetacea)] Pilleri G, et al.
Rev Suisse Zool 77:922-35, 1970 (Ger)
[Vocalization apparatus of the bee Apis mellifera L] Es'kov EK. Biofizika 14:158-66, Jan-Feb 69 (Rus)
[Voice and hearing in the system of animal acoustic orientation] Il'ichev VD.
Zh Obshch Biol 32:299-311, May-Jun 71 (Rus)

DRUG EFFECTS

Cannabis-induced vocalization in the rat. Henriksson BG, et al. J Pharm Pharmacol 23:457-8, Jun 71

VOCATIONAL EDUCATION (I)

Mathematics practice, drill and attitudes for vocational education. Hanks EK Jr.
Am Ann Deaf 115:624-5, Oct 70
The interpretation of scores on the NLN pre-admission and classification examination.
Nurs Outlook 18:47, Dec 70
Paiute, Shoshone on the work path. Bourgea R.
Rehabil Rec 12:39-40, Mar-Apr 71
[Health and social problems of children with altered work capacity] Večeřová N, et al.
Cesk Pediatr 26:353-5, Jul 71 (Cze)
[Industrial- and sociomedical study on absenteeism of juveniles during vocational training] Kersten E, et al.
Z Gesamte Hyg 16:558-65, Jul 70 (Ger)
[Status and dynamics of work capacity in adolescents of various ages in industrial training] Bashkirova LS.
Gig Tr Prof Zabol 14:35-9, Jul 70 (Rus)
[Renal calculosis and the problem of further education of pilots in civilian air transportation] Kušić S, et al.
Vojnosanit Pregl 27:531-3, Nov 70 (Cro)

VOCATIONAL GUIDANCE (F1, I)

Occupational prestige and its correlates as conceived by deaf, female vocational students. Duprez D.
Am Ann Deaf 116:408-12, Aug 71
Standardization of the (VISA) vocational interest and sophistication assessment technique. Parnicky JJ, et al. Am J Ment Defic 75:442-8, Jan 71
Recreational activity and career choice recommendations for use by physicians counseling physical education directors, vocational counselors, parents and young patients with heart disease. Ad Hoc Committee on Habilitation of the Young Cardiac, Council on Rheumatic Fever and Congenital Heart Disease, American Heart Association.
Circulation 43:459-64, Mar 71
New approach to the prediction of medical specialization: student-based strong vocational interest blank scales. Athelstan GT, et al.
J Appl Psychol 55:80-6, Feb 71
Predicting vocational outcome of psychiatric patients with the Edwards Personal Preference Schedule. Distefano MK Jr, et al. J Appl Psychol 54:552-4, Dec 70
Reflections on preprofessional advising. A challenge to AADS and the liberal arts colleges. Darlington JM.
J Dent Educ 35:7-11, Jan 71
A program of dental career orientation for black junior and senior high school students. Hausmann E.
J Dent Educ 35:474-5, Aug 71
Career opportunities in the health sciences. Ferretti JJ. J Okla State Med Assoc 64:186-90, May 71
Learner-oriented instruction. Mink OG.
J Rehabil 37:25-7, Jul-Aug 71
A casework philosophy. Smith F.
J Rehabil 37:49-50, May-Jun 71
Countering defeatism in psychiatric vocational placement. Sturm IE, et al. Ment Hyg 55:230-3, Apr 71
Health Career Day at Dodge City. Klassen LK, et al.
Nurs Outlook 19:168-9, Mar 71
Problems of educational and vocational development in adolescence. Ginzberg E, et al.
Proc Am Psychopathol Assoc 59:79-89, 1970
Vocational evaluation theory in perspective. Nadolsky JM. Rehabil Lit 32:226-31, Aug 71
Vocational evaluation and work adjustment--a future thrust of the rehabilitation movement. Newman E.
Rehabil Rec 12:13-5, Jan-Feb 71
Atlanta Employment Evaluation and Service center. Nolan NB. Rehabil Rec 12:16-9, Jan-Feb 71
[Evaluation of the suitability and fitness for construction occupations of subjects with congenital and acquired spinal changes] Heidenreich C.
Beitr Orthop Traumatol 17:710-2, 1970 (Ger)
[Patients suffering from seizures and profession] Kronenberg R.
Dtsch Gesundheitsw 25:987-91, 28 May 70 (Ger)
[Sociological investigations among women medical students concerning their ideas about future professional activity] Stötzer F, et al.
Z Gesamte Hyg 16:933-7, Dec 70 (Ger)
[Research on the participation of the young in problems of occupational guidance] Agostaro D.
Minerva Pediatr 22:2139-40, 3 Nov 70 (Ita)

VOCATIONAL REHABILITATION see

REHABILITATION, VOCATIONAL (E2, N2)

VOCATIONS see under OCCUPATIONS (J, N1)

VOICE (G1)

see also related
CRYING (C17,F1)

Hearing and communication in birds. Species Agapornus roseicolis. Sedláček K.
Acta Otolaryngol (Stockh) 71:194-6, Feb-Mar 71
Variations in birth cries of newborn infants from narcotic-addicted and normal mothers. Blinick G, et al. Am J Obstet Gynecol 110:948-58, 1 Aug 71
Voice. Negus V. Ann R Coll Surg Engl 48:369-76, Jun 71
A normative study of airflow in children. Beckett RL, et al. Br J Disord Commun 6:13-6, Apr 71
Structural correlates of nasality. Carney PJ, et al.
Cleft Palate J 8:307-21, Jul 71
Prevalence of perceived acoustic deviations related to laryngeal function among subjects with palatal anomalies. Marks CR, et al.
Cleft Palate J 8:201-11, Apr 71
Vocal pitch-intensity relationships in cleft palate speakers. Rampp DL, et al.
Cleft Palate J 7:846-57, Oct 70
The effects of loud and soft reprimands on the behavior of disruptive students. O'Leary KD, et al.
Except Child 37:145-55, Oct 70
Senescence of the voice. Segre R.
Eye Ear Nose Throat Mon 50:223-7, Jun 71
Nasality ratings of single words, phrases, and running speech samples obtained from cleft palate children. Daniel HJ. Folia Phoniatr (Basel) 23:41-9, 1971
Vocal fold length associated with modal, falsetto and varying intensity phonations. Hollien H, et al.
Folia Phoniatr (Basel) 23:66-78, 1971
Pitch perturbations in normal and pathologic voices. Iwata S, et al. Folia Phoniatr (Basel) 22:413-24, 1970
The primary female register transition in singing. Aerodynamic study. Large J, et al.
Folia Phoniatr (Basel) 22:385-96, 1970
Aerodynamic study of fibrato and voluntary 'straight tone' pairs in singing. Large J, et al.
Folia Phoniatr (Basel) 23:50-65, 1971
Lingual positions of cleft palate patients with and without velopharyngeal closure. Massengill R Jr, et al.
Folia Phoniatr (Basel) 22:185-90, 1970
Subject positioning and phonation range measures. Fishman B, et al. J Acoust Soc Am 48:431-2, Aug 70
Descriptions of the speech of patients with cancer of the vocal folds. II. Judgments of age and voice quality. Kreul EJ, et al.
J Acoust Soc Am 49:Suppl 2:1283+, Apr 71
Method and control of laryngeal EMG electrode placement in man. Shipp T, et al.
J Acoust Soc Am 48:429-30, Aug 70
Sound-pressure distribution and cavity resonances for a new artificial voice. Tarnow V.
J Acoust Soc Am 49:1704-8, Jun 71
Variations in vocal wave duration. Lebrun Y, et al.
J Laryngol Otol 85:43-56, Jan 71
Voice spectrograms as a function of age, voice disguise, and voice imitation. Endres W, et al.
J Opt Soc Am 49:1842-8, Jun 71
Voice expression and rated extraversion. Kramer E, et al. J Proj Tech Pers Assess 34:426-7, Oct 70
Severity of nasality in three selected speech tasks. Carney PJ, et al. J Speech Hear Res 14:396-407, Jun 71
The operant manipulation of vocal pitch in normal speakers. Moore JC, et al.
J Speech Hear Res 14:283-90, Jun 71
A study of talker sex recognition of esophageal voices. Weinberg B, et al. J Speech Hear Res 14:391-5, Jun 71
Singing with a paralysed cord. Aherne G.
Lancet 2:1313, 19 Dec 70
Description and perception of frequency breaks (voice breaks) in adolescent female speakers. Duffy RJ.
Lang Speech 13:151-61, Jul-Sep 70
Mechanics of voice production. II. Regulation of pitch. Koyama T, et al. Laryngoscope 81:45-65, Jan 71
Musical tests for functional lateralization with intracarotid amobarbital. Bogen JE, et al.
Nature (Lond) 230:524-5, 23 Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Ratings of vowel representativeness. Cullinan WL, et al. Percept Mot Skills 32:395-401, Apr 71
Voice confrontation in individuals with normal and defective speech patterns. Weston AJ, et al. Percept Mot Skills 30:187-90, Feb 70
The phonetogram. Damsté PH. Pract Otorhinolaryngol (Basel) 32:185-7, 1970
Experience with the sensation-seeking-scale by Zuckerman in speech disorders. Kempe P, et al. Psychiatr Neurol Neurochir 74:59-64, Jan-Feb 71
Voice therapy for hyperfunctional voice problems. Boone DR. Trans Pac Coast Otoophthalmol Soc 50:323-8, 1969 (3 ref.)
Symposium on surgery for the improvement of voice. Leden H von, et al. Trans Pac Coast Otoophthalmol Soc 50:351-62, 1969
[Analysis of the parrot voice on the spectroscope] Bauk V. Acta Otolaryngol (Stockh) 71:181-5, Feb-Mar 71 (Fre)
[Electro-acoustic study of various voices. The value of sonography in vocal rehabilitation] Hennebert D, et al. Acta Otorhinolaryngol Belg 23:504-22, 1969 (Fre)
[Functional retraining in rhinology] Huyghebaert J, et al. Acta Otorhinolaryngol Belg 23:456-66, 1969 (Fre)
[Voice disorders caused by androgen hormonal therapy] Bourdial J. Ann Otolaryngol Chir Cervicofac 87:725-34, Dec 70 (Fre)
[Physiology of phonation] Chouard CH. Cah Coll Med Hop Paris 9:985-1000, Nov 68 (Fre)
[Current knowledge on physiology of phonation] Charachon D. J Fr Otorhinolaryngol 20:403-8, Feb 71 (Fre)
[Study of the fundamentals of the voice in children's groups aged from 3 to 5 and one half years] Chevrie-Muller C. J Fr Otorhinolaryngol 20:451-5, Feb 71 (Fre)
[Genesis of voice of child] Cornut G. J Fr Otorhinolaryngol 20:411-6, Feb 71 (Fre)
[Medico-legal evaluation of the sequelae of laryngeal injuries] Cornut G, et al. J Fr Otorhinolaryngol 18:533-6, Oct 69 (Fre)
[Voice in psychosomatic development in children] Herren H. J Fr Otorhinolaryngol 20:429-35, Feb 71 (Fre)
[Vocal tests in children] Vallancien B. J Fr Otorhinolaryngol 20:457-63, Feb 71 (Fre)
[Identification of the human voice] Mamoux JP. Med Leg Domm Corpor (Paris) 4:35-8, Jan-Mar 71 (Fre)
[Vocal sequelae of laryngeal injuries] Calvet J, et al. Rev Laryngol Otol Rhinol (Bord) 92:163-6, Mar-Apr 71 (Fre)
[Voice disorders in left hemiplegia] Dordain M, et al. Rev Laryngol Otol Rhinol (Bord) 92:178-88, Mar-Apr 71 (Fre)
[Ultrasonoglottography (preliminary report). Ultrasonic process of registration of the glottis joining during phonation] Kitamura T, et al. Rev Laryngol Otol Rhinol (Bord) 90:190-5, Mar-Apr 69 (Fre)
[The open-eyed relaxation method and its use in phoniatrics] Le Huche F. Rev Laryngol Otol Rhinol (Bord) 92:208-25, Mar-Apr 71 (Fre)
[Role of the vocal cords in the emphatic and explosive voice in cerebellar lesions (laryngostroboscopic study in patients with trembling Westphall-Strumpell pseudosclerotic hepatolenticular degeneration)] Mavlov L, et al. Rev Laryngol Otol Rhinol (Bord) 90:320-4, May-Jun 69 (Fre)
[Time factor in phoniatrics] Pommez J. Rev Laryngol Otol Rhinol (Bord) 90:133-52, Mar-Apr 69 (Fre)
[Functional disorders of voice changing] Pommez J. Rev Laryngol Otol Rhinol (Bord) 92:137-56, Mar-Apr 71 (Fre)
[A simple and dependent method for stretching and shifting of the vocal cords medianwards in dysphonia and aphonia with phonatory dyspnea] Mündnich K. Arch Klin Exp Ohren Nasen Kehlkopfheilkd 196:324-6, 1970 (Ger)
[Gerontological studies on vocal range and vocal register] Böhme G, et al. Folia Phoniatr (Basel) 22:176-84, 1970 (Ger)
[Vocal range in children from a new viewpoint] Frank F, et al. Folia Phoniatr (Basel) 22:397-402, 1970 (Ger)
[Vocal range in adults from a new viewpoint] Frank F, et al. Folia Phoniatr (Basel) 22:403-12, 1970 (Ger)
[Premutation voice, mutation voice and postmutation voice sonagram] Frank F, et al. Folia Phoniatr (Basel) 22:425-33, 1970 (Ger)
[Functional diseases of the speaking voice] Arndt HJ. HNO 17:46-50, Feb 69 (Ger)
[Medium pitch in young and old people] Froeschels E. HNO 17:14, Jan 69 (Ger)
[Vocal diseases of singers] Habermann G. HNO 19:129-37, May 71 (Ger)
[Modern laryngeal function tests] Leden H von. HNO 19:225-31, Aug 71 (13 ref.) (Ger)
[Voice disorders after intubation] Pfau W. HNO 17:45-6, Feb 69 (Ger)
[Pneumographic studies in the diagnosis of hyperkinetic dysphonia in children] Supéček I. Monatsschr Ohrenheilkd Laryngorhinol 104:168-72, 1970 (Ger)
[Cardinal symptom: speech disorders] Bärscheider M. Munch Med Wochenschr 112:2001-3, 30 Oct 70 (Ger)
[A multivariate approach to the comprehension of possibilities in the diagnostic utilization of voice] Bortz J. Z Exp Angew Psychol 18:15-50, 1971 (Ger)
[A form of music and its biological function. Mode of action of the lullaby] Kneutgen J. Z Exp Angew Psychol 17:245-65, 1970 (Ger)
[Voice production under various atmospheric conditons. 3. Conclusions and relation to audiology] Schlöndorff G. Z Laryngol Rhinol Otol 50:325-39, May 71 (Ger)
[Voice formation under changed atmospheric conditions. II. Evaluation of recorded results] Schlöndorff G. Z Laryngol Rhinol Otol 50:272-86, Apr 71 (Ger)
[Study of phonation in normal adult subjects] Pincini G. Arch Ital Otol 80:181-6, May-Jun 69 (Ita)
[Toxic effects of cyclopentolate. Case of severe dysarthria with transitory loss of phonation] Missiroli A. Boll Ocul 48:433-8, Jun 69 (Ita)
[On the objective evaluation of the audio-phonatory reflex] Ceresia G, et al. Clin Otorinolaringoiatr 20:643-56, Nov-Dec 68 (Ita)
[Acoustic trauma in singers] Profazio A, et al. Otorinolaringol Ital 37:337-46, Aug 69 (Ita)
[Mechanics of phonation and laryngeal diseases] Pincini G. Valsalva 46:113-29, Jun 70 (Ita)
[Studies on the structure of the vocal organ and on voice in the chimpanzee] Jordan J. Folia Morphol (Warsz) 30:105-24, 1971 (Pol)
[Studies on the structure of the voice organ and vocalization in chimpanzees] Jordan J. Folia Morphol (Warsz) 30:243-69, 1971 (Pol)
[Voice disturbances in cases of closed trauma of the larynx] Pruszewicz A, et al. Otolaryngol Pol 24:443-6, 1970 (Pol)
[Treatment of complications related to intubation] Silkova VI, et al. Klin Khir 4:64-6, 1971 (Rus)
[Various parallels between physical and biological bases of voice formation and lip sound formation] Bekbulatov GT. Vestn Otorinolaringol 32:30-2, Sep 70 (Rus)

CLASSIFICATION

A review of the experiments involving voiceprint identification. Hennessy JJ, et al. J Forensic Sci 16:183-98, Apr 71

DRUG EFFECTS

Hormones and the human voice. Brodnitz FS. Bull NY Acad Med 47:183-91, Feb 71
[Case of a functional impairment of voice and speech after novocaine injections] Troshanov T. Zh Ushn Nos Gori Bolezn 30:103, Jul-Aug 70 (Rus)

HISTORY

[Quality of the singing voice: the timbre of voice in Monteverdi's operas] (Monteverdi C), Schindler O, et al. Minerva Otorinolaringol 19:202-14, Jul-Aug 69 (Ita)

VOICE PRODUCTION, ALARYNGEAL (E2)

The two stage Asai technique of laryngectomy. Putney FJ, et al. Ann Otol Rhinol Laryngol 79:1057-60, Dec 70
Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. Calcaterra TC, et al. Arch Otolaryngol 94:124-8, Aug 71
Intelligibility of the esophageal speaker. Relationship of intelligibility to overall ratings. Hoops HR, et al. Arch Otolaryngol 93:300-3, Mar 71
Concept of mechanical assist in esophageal speech. Klinger H. Arch Otolaryngol 92:344-7, Sep 70
Speech therapy management following laryngectomy. Gordon MT. Br J Disord Commun 6:52-7, Apr 71
A comparative study of methods for teaching post-laryngectomy speech. Simmons MF, et al. Br J Disord Commun 6:56-62, Apr 71
Variations in vocal wave duration. Lebrun Y, et al. J Laryngol Otol 85:43-56, Jan 71
Four years experience with the Asai technique for vocal rehabilitation for the laryngectomized patient. Miller AH. J Laryngol Otol 85:567-76, Jun 71
Vocal rehabilitation following total laryngectomy. Warner J. J Laryngol Otol 85:577-82, Jun 71
Speech rehabilitation following Asai method, laryngoplasty. Turnbull FM Jr, et al. J Speech Hear Disord 36:77-81, Feb 71
A study of talker sex recognition of esophageal voices. Weinberg B, et al. J Speech Hear Res 14:391-5, Jun 71
Cinefluoroscopic evaluation of Asai function. Miglets AW Jr, et al. Laryngoscope 81:1267-72, Aug 71
Vocal rehabilitation after total laryngectomy. The Asai procedure. Miglets AW Jr. Ohio State Med J 66:911-5, Sep 70
One-stage operation for vocal rehabilitation at laryngectomy. McGrail JS, et al. Trans Am Acad Ophthalmol Otolaryngol 75:510-2, May-Jun 71
[Intelligibility of esophageal speech] Krahulec I. Cesk Otolaryngol 20:117-9, Jun 71 (Cze)
[Comparative study of the intelligibility of the esophageal voice] Estienne F, et al. Acta Otorhinolaryngol Belg 23:564-84, 1969 (Fre)
[Electro-acoustic study of various voices. The value of sonography in vocal rehabilitation] Hennebert D, et al. Acta Otorhinolaryngol Belg 23:504-22, 1969 (Fre)
[Total laryngectomy with restoration of normal phonation and breathing. 1st results (4 cases)] Arslan M, et al. Ann Otolaryngol Chir Cervicofac 87:509-18, Sep 70 (Fre)
[Study of a intelligibility test for esophageal voice] Genet, et al. J Fr Otorhinolaryngol 19:579-84, Sep 70 (Fre)
[Influence of background in vocal rehabilitation of larynectomees. 1300 cases] Strigioni L, et al. J Fr Otorhinolaryngol 19:573-7, Sep 70 (Fre)
[Vocal rehabilitation of laryngectomised patients. Round-table discussion] J Fr Otorhinolaryngol 20:731-50, 20 Jun 71 (Fre)
[Understandability of substitutive speech in laryngectomized patients] Pruszewicz A, et al. Otolaryngol Pol 24:453-6, 1970 (Pol)

VOICE TRAINING (I)

Tracheal resection with laryngeal preservation. An exercise in voice rehabilitation. Lawrence W Jr, et al. Am J Surg 120:482-4, Oct 70
Papillomata of the vocal folds: a review. Cooper M. J Speech Hear Disord 36:51-60, Feb 71
A case study of psychogenic hoarseness. Strandberg TE, et al. J Speech Hear Disord 36:281-6, May 71
Voice therapy for hyperfunctional voice problems. Boone DR. Trans Pac Coast Otoophthalmol Soc 50:323-8, 1969 (3 ref.)
[Procedures for measuring the results of treatment of the voice, speech and language disorders] Lafon JC, et al. Folia Phoniatr (Basel) 23:81-154, 1971 (43 ref.) (Fre)
[Psychologic inhibitions observed during vocal re-education] Le Huche F. Rev Laryngol Otol Rhinol (Bord) 90:195-201, Mar-Apr 69 (Fre)

VOLITION (F1)

Conscious control of motor units in a tonic muscle. The effect of motor unit training. Gray ER. Am J Phys Med 50:34-40, Feb 71
Effects of foreknowledge of manner of death in the assessment from genuine and simulated suicide notes of intent to die. Hood RW Jr. J Gen Psychol 82:215-21, Apr 70
Effect of thermal need on responses to pictorial stimuli. Payne RB. J Proj Tech Pers Assess 34:271-6, Aug 70
Methodological and theoretical problems in the voluntary control of electroencephalographic occipital alpha by the subject. Peper E, et al. Kybernetik 7:10-3, Apr 70
Perception of choice and locus of control. Lewis P, et al. Psychol Rep 28:87-70, Feb 71
The problem of volition. Kimble GA, et al. Psychol Rev 77:361-84, Sep 70
[Free will and determinism. Conciliatory attempt] Lima OC. Rev Bras Med 27:103-6, Feb 70 (Por)

VOLKMANN'S CONTRACTURE (C3)

[An anecdote about Ricardo Finochietto and Volkmann's ischemic contraction] Zancolli E. Prensa Med Argent 56:1625-7, 17 Oct 69 (Spa)
[Volkmann's ischemic contracture in the lower extremities] Sundén G, et al. Lakartidningen 68:3018-22, 23 Jun 71 (Swe)

VOLUNTARY HEALTH AGENCIES (N3)

What A.A. can offer professional schools and what it cannot. Norris J. Ann NY Acad Sci 178:61-5, 29 Mar 71
A combined hospital setting and AA in the treatment of alcoholism. Ryberg PE. Behav Neuropsychiatry 1:19-21, Apr 69
The Canadian Mental Health Association. Crainford L. Can J Public Health 61:417-22, Sep-Oct 70
The Muscular Dystrophy Association of Canada. Green D. Can J Public Health 61:423-4, Sep-Oct 70
CNIB--a service for all seasons. O'Neill PC. Can J Public Health 62:54-6, Jan-Feb 71
Canadian Association for the Mentally Retarded. Roeher GA, et al. Can J Public Health 62:153-5, Mar-Apr 71
Americans for Childrens Relief. Brown RE. Clin Pediatr (Phila) 10:241-2, Apr 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The National Hemophilia Foundation.
Clin Pediatr (Phila) 10:339, Jun 71
National Association of Hearing and Speech Agencies.
Clin Pediatr (Phila) 10:295, May 71
The forum. Environment and health. Billions of Christmas seals. Richmond JE.
Del Med J 42:395, Dec 70
Alcoholism. Resources for helping the problem drinker. Ind Med Surg 39:280-94, Jul 70
Editorial comment. Kilpatrick FJ.
J Am Coll Health Assoc 19:1-2, Oct 70
The voluntary approach. Saltzman BN.
J Arkansas Med Soc 67:437-40, May 71
The prevention and early detection of heart disease: the role of the Heart Association. Wilson JW Jr.
J La State Med Soc 123:75-6, Feb 71
A representative panel of teachers evaluates a voluntary health agencies' classroom materials. Pelz DR. J Sch Health 40:502-4, Nov 70
Suicide and Samaritan clients. Barraclough BM, et al.
Lancet 2:868-70, 24 Oct 70
Challenge for the mental health association. Branch CH. Ment Hyg 52:483-6, Oct 68
Recovery, Inc.: aid in the transition from hospital to community. Lee DT. Ment Hyg 55:194-8, Apr 71
Suicide prevention programs and mental health associations. McGee RK. Ment Hyg 55:60-7, Jan 71
A national mental health manpower showcase conference: NAMH leads the way. Matarazzo JD. Ment Hyg 54:333-6, Jul 70
Primary prevention: a challenge to Mental Health Associations. VanAntwerp M.
Ment Hyg 54:453-6, Jul 70
Role of the citizens' organization in a mental health crisis. Warren E Jr. Ment Hyg 52:493-7, Oct 68
The wider field of work of the National Committee for Mental Hygiene. Ment Hyg 54:425-6, Jul 70
Community nursing services accredited by NLN-April, 1971. Nurs Outlook 19:272-3, Apr 71
The British Epilepsy Association. Dawson W.
Nurs Times 67:440, 15 Apr 71
A second chance. Lennon M.
Nurs Times 67:482, 22 Apr 71
Volunteers help prisoner addicts. Dwyer J.
Rehabil Rec 12:12-4, Mar-Apr 71
Voluntary organizations. Millard JB.
Rheumatol Phys Med 10:446-8, Nov 70
Smoking dogs: tobacco institute tries to discount cancer studies. Bazell RJ. Science 170:515, 30 Oct 70
Government and voluntary agencies in vision research. Kupfer C. Sight Sav Rev 40:189-92, Winter 70-71
[Recognition of alcohol and tablet abusus abuse in clinic and practice. Experience with the collaboration of "alcoholics anonymous" in therapy] Tessmann R.
Med Welt 1:20-8, 2 Jan 71 (Ger)
[Objectives of the National Group for Kidney Transplants and Chronic Dialysis] Duran C.
Rev Med Chil 98:178-9, Mar 70 (Spa)

VOLUNTARY WORKERS (M, N2)

Dope Stop--Teen Involvement. Conroy GE.
Ariz Med 27:16-7, Oct 70
Introversion-extraversion and volunteering for testing. Amsay RW. Br J Soc Clin Psychol 9:89, Feb 70
The meaning of volunteer services in schools--to the educator and to the older adult. Freund JW.
Gerontologist 11:205-8, Autumn 71
Guidelines for older person volunteers. Sainer J, et al.
Gerontologist 11:201-4, Autumn 71
College students as companions to long-term mental hospital patients: some considerations. Fischer EH.
J Consult Clin Psychol 35:308-10, Dec 70
Personality change as a function of volunteer experience in a psychiatric hospital. King M, et al.
J Consult Clin Psychol 35:423-5, Dec 70
Sample and personality biases of volunteer subjects. Tiffany DW, et al.
J Consult Clin Psychol 35:38-43, Aug 70
Therapeutic effectiveness of untrained volunteers with chronic patients. Verinis JS.
J Consult Clin Psychol 34:152-5, Apr 70
Self-disclosure and the volunteer: a source of bias in laboratory experiments. Hood TC, et al.
J Pers Soc Psychol 17:130-6, Feb 71
Friends in need. Shedden JC.
J R Coll Gen Pract 21:503-6, Aug 71
Case studies of volunteer programs in mental health. Cowne LJ. Ment Hyg 54:337-46, Jul 70
Evaluation and treatment of suicide-prone youth. King M. Ment Hyg 55:344-50, Jul 71
Medical students as "probation officers" for juvenile offenders. Dugaw JE, et al.
Nebr State Med J 56:60-2, Feb 71
Nursing officers--not Salmon but St. John. Bailey RE.
Nurs Times 67:524-5, 29 Apr 71
Dedication to voluntarism in blood banking. Hemphill BM. Occup Health Nurse (Auckl) 19:22-3, May 71
Personality characteristics of volunteer subjects. Neulinger J, et al. Percept Mot Skills 33:283-6, Feb 71
[2 cases of Cordylobia rhodaini myiasis contracted in Cameroon and diagnosed in Alsace] Kremer M, et al.
Bull Soc Pathol Exot 63:592-6, Sep-Oct 70 (Fre)
[Intravenous injections by laymen?] Schulz G.
Med Klin 66:1251, Sep 71 (Ger)
[To work in the developing countries] Dahlin L.
Lakartidningen 68:1180-1, 10 Mar 71 (Swe)

VOLVULUS see under INTESTINAL OBSTRUCTION

(C4)

VOLVULUS, STOMACH see STOMACH VOLVULUS

(C4)

VOMER see under NASAL SEPTUM (A2, A4)

VOMITING (C4, C17)

see also related
ANTIEMETICS (D6)
EMETICS (D6)

Treatment of acute poisoning. Robertson WO.
Br Med J 2:768, 26 Jun 71
Chalasia of the esophagus. Madan MS.
Indian J Pediatr 38:35-6, Jan 71
Vomiting in pregnancy. Midwinter A.
Practitioner 206:743-50, Jun 71
Functional development of the central emetic mechanism in the puppy dog. Pi WP, et al.
Proc Soc Exp Biol Med 136:802-4, Mar 71
[Concealed vomiting syndrome] Runeberg L.
Duodecim 87:741-5, 1971 (Fin)

CHEMICALLY INDUCED

The effect of haloperidol with promethazine on postoperative vomiting. Wolff JD, et al.
Arch Chir Neerl 22:259-63, 1970
[Vomitings caused by L dopa: value of a new galenic form (sobiodopa)] Chauvel P, et al.
Therapeutique 47:481-2, May 71 (Fre)
[Problems of postanesthetic vomiting following eye operations] Borchert K, et al.
Klin Monatsbl Augenheilkd 158:450-5, Mar 71 (Ger)
[The role of afferent impulsation in the mechanism of autonomic reactions caused by aconitine and veratrine] Bobkov IuG.
Biull Eksp Biol Med 66:55-9, Sep 68 (Rus)

COMPLICATIONS

Tertiary hyperparathyroidism. Report of a case. Sigstad H, et al. Acta Med Scand 188:337-8, Nov 70
Boerhaave's syndrome: a review of six cases of spontaneous rupture of the esophagus secondary to vomiting. Bobo WO, et al. Ann Surg 172:1034-8, Dec 70
Esophageal rupture-a catastrophic complication of vomiting. Hiebert CA, et al.
J Maine Med Assoc 61:175-6, Sep 70
Two minutes with diabetes. Whitehouse FW.
Med Times 99:121-2, Mar 71
Observations on the pathogenesis of Reye's syndrome. Brown RE, et al. South Med J 64:942-6, Aug 71
[Oliguria and anuria, oedemata, fever, vomiting and somnolence in a 2 and one half year old infant] Harefuah 78:616-20, 15 Jun 70 (Heb)
[Effects of inhalation of vomit during general surgery: Mendelson's syndrome (consideration of a case)] Mereto GC.
Minerva Anestesiol 35:998-1004, Oct 69 (Ita)

DRUG THERAPY

The effects of metoclopramide on postoperative nausea and bowel function. Kivalo I, et al.
Ann Chir Gynaecol Fenn 59:155-8, 1970
[Use of metopimazine in certain vomitings from central origin] Arbus L, et al.
Therapeutique 47:469-71, May 71 (Fre)
[Control of postoperative vomiting with thioproperazine (Majeptil)] Lind B, et al.
Anaesthesist 19:200-2, Jun 70 (Ger)

ETIOLOGY

Acetonemic vomiting from view point of food allergy. Matsumura T, et al.
Acta Allergol (Kbh) 25:423-50, Dec 70
The significance of bilious vomiting following subtotal gastrectomy. Mitty WF Jr, et al.
Am J Gastroenterol 54:205-13, Sep 70
Migraine, giddiness and cerebral dehydration. Harpman JA. Eye Ear Nose Throat Mon 49:7-9, Jan 70
An outbreak of 'winter vomiting disease' in a university hall of residence. Cumming JD, et al.
J Hyg (Camb) 67:147-52, Mar 69
Pituitary apoplexy. Cryer RJ, et al.
Proc R Soc Med 64:301-2, Mar 71
[Emetizing syndromes in infants. The importance of additional etiopathogenic factors] Roviralta E.
Ann Pediatr (Paris) 18:399-407, 2 May 71 (Fre)
[Malignant transformation of a mediastinal teratoma 31 years after revealing itself by the vomiting of hair] Alaoui A, et al. Maroc Med 50:158-63, Mar 70 (Fre)
[Acetonemic vomiting] Gladtke E.
Monatsschr Kinderheilkd 117:649-51, Jan 69 (Ger)
[Psychopathological aspects of habitual vomiting in infants and relative incidence in growing subjects with abnormal personality structure] Di Cagno L, et al. Riv Clin Pediatr 81:317-20, Jul-Aug 68 (Ita)
[The response of medullary reticular neurones to electrical stimulation to the chemoreceptor trigger zone in area postrema of the dog] Ikeda M, et al.
J Physiol Soc Jap 32:600-5, Sep 70 (Jap)
[Periodic vomiting with acetonemia in children. (Clinical and laboratory study of 49 personal cases)] Rusnac C, et al.
Pediatria (Bucur) 19:355-64, Jul-Aug 70 (Rum)
[Psychogenesis of vomiting]
ADM 27:109-10, Mar-Apr 70 (Spa)
[Unusual causes of alimentary tract obstruction in young infants and children] Marchese GS.
Ann Radiol (Paris) 12:181-90, 1969 (Mul)

OCCURRENCE

Post-operative vomiting in the African. Oduntan SA, et al. West Afr Med J 19:176-9, Dec 70

PREVENTION & CONTROL

The use of post-operative vomiting as a means of evaluating anti-emetics. Clarke RS, et al.
Br J Pharmacol 40:568P+, Nov 70
'Debendox' in pregnancy sickness. McGuinness BW, et al. J R Coll Gen Pract 21:500-3, Aug 71
Antiemetic efficacy of benzquinamide. Controlled study. Finn H, et al. NY State J Med 71:651-3, 15 Mar 71
The prevention of emesis with thiethylperazine following oral surgery. Messer EJ, et al.
Oral Surg 31:184-8, Feb 71
[Clinical trial of 2167 TH or Vogalene] Verhaeghen B.
Bord Med 3:2817-8, Nov 70 (Fre)
[Efficiency of a newly developed antiemetic for the prevention of postoperative vomiting] Lutz H, et al.
Anaesthesist 20:63-5, Feb 71 (Ger)
[Prevention and treatment of postoperative vomiting] Peter K, et al. Med Klin 66:562-4, 9 Apr 71 (Ger)
[Prevention of vomiting in anesthesia by using metoclopramide (Plasil)] Piscicelli I, et al.
Rass Int Clin Ter 50:485-90, 30 Apr 70 (Ita)

THERAPY

[Treatment of vomiting in pregnancy, with special reference to the importance of early treatment] Takamura S.
Sanfujinka Jissai 20:362-72, Apr 71 (16 ref.) (Jap)

VETERINARY

[Vomiting and distress in suckling pigs] Pionait H.
Dtsch Tieraerztl Wochenschr 76:897-8, 15 Dec 69 (16 ref.) (Ger)
[Vomiting and distress in suckling pigs (short clinical report)] Schlenstedt D, et al.
Dtsch Tieraerztl Wochenschr 76:894-5, 15 Dec 69 (Ger)

VON GIERKE'S DISEASE see under

GLUCOSEPHOSPHATASE DEFICIENCY (C13)

VON WILLEBRAND'S DISEASE (C9)

The Minot-von Willebrand syndrome: discussion and report of case. Tilson HB. J Oral Surg 29:329-33, May 71
Obstetric and gynecologic patients with von Willebrand's disease. Evans PC.
Obstet Gynecol 38:37-43, Jul 71
[Nosographic and pathogenetic considerations on a case of von Willebrand-Jürgens disease] Mauro R, et al. Haematologica 54:663-84, 1969 (Ita)
[Hereditary hemorrhagic diasthesis--concept and characterization of von Willebrand's disease] Abe T.
Naika 26:1030-6, Dec 70 (15 ref.) (Jap)

BLOOD

Four cases of acquired von Willebrand's syndrome. Ingram GI, et al. Br J Haematol 21:189-99, Aug 71
Sensitivity of platelets to aspirin in von Willebrand's disease. Leslie J, et al. J Clin Pathol 23:526-8, Sep 70
Platelet adhesiveness and haemostatic defects. Cate JW ten, et al. Lancet 2:1196, 5 Dec 70
Factor-VIII levels, bleeding-times, and platelet adhesiveness in patients with Von Willebrand's disease and in their relatives. Papayannis AG, et al.
Lancet 1:418-21, 27 Feb 71
Platelet adhesiveness in von Willebrand's disease. A study with a new modification of the glass bead filter method. Hellem AJ. Scand J Haematol 7:374-82, 1970
Factor 8 detection by hemagglutination inhibition: hemophilia A and von Willebrand's disease. Stites DP, et al. Science 171:196-7, 15 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

COMPLICATIONS

Arthropathy in von Willebrand's disease. Ahlberg A, et al. Acta Orthop Scand 41:539-44, 1970
Hydrocephalus in child with von Willebrand's disease. Treatment by ventriculoperitoneal shunt. Cooper HA, et al. Am J Dis Child 121:340-3, Apr 71
Von Willebrand's disease. McIvor EG. NZ Dent J 66:252-6, Jul 70
[Multiple pulmonary arteriovenous fistulae with hepatic fibrosis: association with Willebrand's disease and hereditary palatine division] Bach C, et al. Ann Med Interne (Paris) 122:219-24, Feb 71 (Fre)

DIAGNOSIS

The aspirin tolerance test. Does it have clinical value? Becker SM, et al. J Med Soc NJ 67:611-3, Oct 70
Von Willebrand's disease. Hagedorn B. JAMA 216:991-5, 10 May 71
[Hemophilia A or Von Willebrand's disease?] Vries SI de. Ned Tijdschr Geneeskd 115:649-51, 10 Apr 71 (Dut)
[Angiohemophilia and its differential diagnosis] Sefidpar M, et al. Praxis 60:430-2, 6 Apr 71 (Ger)
[A case of hereditary hemorrhagic disease which may be defined as "thrombasthenia with functional thrombopathy"] Torsellini A, et al. Haematologica 55:621-38, 1970 (Ita)
[Test for detection of hemophilia] Poppa C, et al. Stud Cercet Med Interna 11:521-31, 1970 (Rum)
[Several problems in the pathogenesis, clinical picture and therapy of Willebrand's disease in children] Danilina ZA, et al. Pediatriia 49:61-6, Jul 70 (Rus)

ETIOLOGY

[Several problems in the pathogenesis, clinical picture and therapy of Willebrand's disease in children] Danilina ZA, et al. Pediatriia 49:61-6, Jul 70 (Rus)

FAMILIAL & GENETIC

The genetics of clotting factor VIII. Ingram GI. Med Lab Technol 28:76-80, Jan 71

IMMUNOLOGY

Immunologic differentiation of classic hemophilia (factor 8 deficiency) and von Willebrand's disease, with observations on combined deficiencies of antihemophilic factor and proaccelerin (factor V) and on an acquired circulating anticoagulant against antihemophilic factor. Zimmerman TS, et al. J Clin Invest 50:244-54, Jan 71
Antibodies against Australia-antigen in hae nophilia. Nordenfelt E, et al. Rev Eur Etud Clin Biol 16:151-5, Feb 71

THERAPY

A new method of demonstrating the effect of therapy in von Willebrand's disease. Sutor AH, et al. Mayo Clin Proc 46:345-6, May 71
Management of the hereditary coagulation disorders. Mason DY, et al. Semin Hematol 8:158-88, Apr 71
[Value of cryoprecipitate in the treatment of von Willebrand's disease] Dyszy-Laube B, et al. Pediatr Pol 45:911-5, Aug 70 (Pol)
[Several problems in the pathogenesis, clinical picture and therapy of Willebrand's disease in children] Danilina ZA, et al. Pediatriia 49:61-6, Jul 70 (Rus)
[Antihemolytic cryoprotein. 3. Experiences with the treatment of bleeding in von Willebrand's disease] Hrubišková K. Bratisl Lek Listy 56:83-91, 1971 (Slo)

VETERINARY

Canine von Willebrand's disease. Dodds WJ. J Lab Clin Med 76:713-21, Nov 70

VOYAGES see under EXPEDITIONS (E2)

VOYAGES see under TRAVEL (E2)

VOYEURISM see under SEX DEVIATION (F2)

VULVA (A5)

Vulvar tumor in children due to prolapse of urethral mucosa. Capraro VJ, et al. Am J Obstet Gynecol 108:572-5, 15 Oct 70
Treatment of vulvar dystrophies with topical testosterone propionate. Zelle K. Am J Obstet Gynecol 109:570-3, 15 Feb 71
Southey's tubes and vulval oedema. Rainford DJ. Br Med J 4:538, 28 Nov 70
[An unusual case of vulvar ulcer of acute onset] Joost T van. Ned Tijdschr Geneeskd 115:1080-2, 19 Jun 71 (Dut)
[Paget's disease of the vulva] Lecart C, et al. Arch Belg Dermatol Syphiligr 26:511-9, Oct-Dec 70 (Fre)
[Cutaneous and vulvar endometriosis] Duperrat B, et al.
Bull Soc Fr Dermatol Syphiligr 77:673-84, 1970 (Fre)
[Sclerotic and atrophic lichen of the vulvar region as precancerous condition] Bálus L. Hautarzt 22:199-203, May 71 (Ger)
[Etiology and treatment of vulvar synechias in children] Huber A. Wien Med Wochenschr 120:506-8, 4 Jul 70 (Ger)
[Vaccinia virus infection with eyelid and vulvar localization appearing after indirect contact with a recently vaccinated subject. Clinical and virological study] Piazza M, et al. Riv Ist Sieroter Ital 44:59-63, Jan-Apr 69 (Ita)
[Finding in the use of Fungizone vaginal tablets and lotion for vaginal and vulval mycosis] Suzuki M, et al. Sanfujinka Jissai 20:614-6, May 71 (Jap)
[Scleoatrophic lichen of the vulva and carcinoma] Briones H, et al. Rev Chil Obstet Ginecol 35:169-76, 1970 (Spa)
[Chronic dystrophies of the vulva and cancer] Cruz H, et al. Rev Chil Obstet Ginecol 35:26-9, 1970 (Spa)
[Occlusion of the vulva after scalding] Dihoš E. Cesk Gynekol 36:212-4, May 71 (Slo)
[Most frequent diseases of the vulva in our clinical material] Poradovský K, et al. Cesk Gynekol 36:201-2, May 71 (Slo)
[Present knowledge in diagnostics and treatment of dystrophy and precancerous conditions of the vulva] Poradovský K. Cesk Gynekol 36:195-9, May 71 (Slo)

ABNORMALITIES

[Ectopic ureteral anastomosis and urethro-vulvo-perineal abnormalities (a case in a young girl)] Rognon LM. J Urol Nephrol (Paris) 77:252-5, Mar 71 (Fre)

BLOOD SUPPLY

An unusual presentation of varicose veins of the vulva. Royle JP, et al. Aust NZ J Obstet Gynaecol 11:122-5, May 71
[Histological picture report no 241. Vascular diseases of the vulva--nevus teleangiectic. Angiokeratoma neviforme. Varices] Grimmer H. Z Haut Geschlechtskr 45:131-6, 1 Oct 70 (Ger)

CYTOLOGY

Vulvar cytology. Tozzini R, et al. Acta Cytol (Baltimore) 15:57-63, Jan-Feb 71
[Colpocytology and the nymphogram] Conde Manjarrez BI, et al. Ginecol Obstet Mex 27:587-95, May 70 (Spa)

INJURIES

[Coital vulvovaginal lesions] Mathieu J, et al. Lyon Med 221:1249-50 passim, 25 May 69 (Fre)
[Vulvo-anal-perineoplasty. Reconstruction of the perineum in a case of vulvo-anal-perineal complete avulsion] Yodice A. Prensa Med Argent 57:348-51, Apr 70 (Spa)

INNERVATION

Pudendal block: an assessment of efficacy and of the area of analgesia. Schokman FC, et al. Aust NZ J Obstet Gynaecol 11:91-3, May 71
[Experiences with Mering's denervation of the vulva] Siki O. Cesk Gynekol 36:211-2, May 71 (Cze)

PATHOLOGY

Paget's disease of the vulva--a cytogenetic study of skin fibroblasts, tumor cells, andpperipheral blood leukocytes in culture. Mullick S, et al. Acta Cytol (Baltimore) 14:404-10, Jul-Aug 70
[Diseases of outer female genitalia. Vulvar eczema and other forms of vulvitis] Grimmer H. Z Haut Geschlechtskr 46:5-20, 15 Jan 71 (Ger)

PHYSIOLOGY

Duration of proestrus, oestrus and vulval bleeding in the beagle bitch. Bell ET, et al. Br Vet J 127:xxv-xxvii, Aug 71

SURGERY

Plastic management of extensive vulvar defects. Julian CG, et al. Obstet Gynecol 38:193-8, Aug 71
Surgical construction of the vagina and labia in male transsexuals. Edgerton MT, et al. Plast Reconstr Surg 46:329-39, Dec 70
Vulva-vaginoplasty. Williams EA. Proc R Soc Med 63:1046, Oct 70
A modified technic for episioplasty in the mare. Brown JM, et al. Vet Med Small Anim Clin 66:103-5 passim, Feb 71
[Surgical treatment of the hypertrophy of the labia minora] Martinčík J, et al. Cesk Gynekol 36:216-7, May 71 (Cze)
[Importance of skin grafts in the surgical treatment of vulvar diseases] Dufourmentel C, et al. Chirurgie 96:884-90, 18 Nov 70 (Fre)

VULVAR NEOPLASMS (C2)

Intraepithelial carcinoma of the vulva. Collins CG, et al. Am J Obstet Gynecol 108:1187-91, 15 Dec 70
Papillary hidradenoma of the vulva: a clinicopathologic study of 69 cases. Woodworth H Jr, et al. Am J Obstet Gynecol 110:501-8, 15 Jun 71
Carcinoma of the vulva. Jones IS. NZ Med J 73:274-8, May 71
Sarcoma of the vulva. Report of 12 patients. DiSaia PJ, et al. Obstet Gynecol 38:186-4, Aug 71
Malignant melanoma of the vulva. Cascinelli N, et al. Tumori 56:345-52, Nov-Dec 70
[Embryonic sarcoma and ring D chromosome] Ayraud N, et al. Ann Genet (Paris) 13:199-200, Sep 70 (Fre)
[Gynecologic sarcoma] Bossart H, et al. Rev Med Suisse Romande 89:857-77, Jun 69 (Fre)
[Vulvar cancer] Gétaz D, et al. Rev Med Suisse Romande 89:461-92, Jun 69 (Fre)
[Cancer of the vulva] Held E, et al. Arch Gynaekol 210:335-74, 1971 (Ger)
[Benign and malignant vulvar sweat-gland neoplasms. (Hidradenoma and hidradenocarcinoma)] Bachmann F. Zentralbl Gynaekol 92:945-54, 25 Jul 70 (Ger)
[Clinical aspects of vulvar carcinomas] Möbius W. Zentralbl Gynaekol 93:401-22, 27 Mar 71 (Ger)
[On vulvar neoplasms] Musconi B, et al. Cancro 23:39-48, 1970 (Ita)
[Cavernous hemangioma of the vulva] Giannone R, et al. Riv Ital Ginecol 53:471-9, Jun-Jul 69 (Ita)
[Primary melanoblastoma of the external genitalia] Levitskiĭ EO, et al. Akush Ginekol (Mosk) 46:69-70, Feb 70 (Rus)
[Chronic dystrophies of the vulva and cancer] Cruz H, et al. Rev Chil Obstet Ginecol 35:26-9, 1970 (Spa)
[Cancer of the vulva. Apropos of 181 case histories at the Instituto Nacional de Cancerologia] Duarte-Contreras A, et al. Rev Colomb Obstet Ginecol 21:233-48, May-Jun 70 (Spa)
[Multicentric cancer of the lower genital tract. (Apropos of a personal case)] Gómez Rueda A, et al. Rev Colomb Obstet Ginecol 21:349-58, Jul-Aug 70 (Spa)
[Carcinoma of the vulva] Kunštadt E, et al. Cesk Gynekol 36:218-24, May 71 (Slo)
[Present knowledge in diagnostics and treatment of dystrophy and precancerous conditions of the vulva] Poradovský K. Cesk Gynekol 36:195-9, May 71 (Slo)

CHEMICALLY INDUCED

The effect of thyroactive substances on the induction of cervico-vaginal and vulval tumours in castrate rats at various levels of carcinogenic treatment. Glucksmann A, et al. Br J Cancer 24:769-84, Dec 70

COMPLICATIONS

Paget's disease and apocrine gland carcinoma of the vulva. Boehm F, et al. Obstet Gynecol 38:185-92, Aug 71
[Unusual case of paraneoplastic erythroacrokeratosis] Scarpa C, et al. G Ital Dermatol 46:17-25, Jan 71 (Ita)

DIAGNOSIS

Vulvar tumor in children due to prolapse of urethral mucosa. Capraro VJ, et al. Am J Obstet Gynecol 108:572-5, 15 Oct 70
Postgranulomatous epidermoid carcinoma of the vulva. Hay DM, et al. Am J Obstet Gynecol 108:479-84, 1 Oct 70
Angiokeratoma of the vulva. Blair C. Br J Dermatol 83:409-11, Sep 70
[Recurrences of vulvar cancer] Bauer J, et al. Cesk Gynekol 36:247-8, May 71 (Cze)
[Precanceroses of the vulva] Dvořák O, et al. Cesk Gynekol 36:205-6, May 71 (Cze)
[Histologic picture report no 248. Vascular diseases of the vulva (1). 1. Hemangioma. 2. Granuloma pyogenicum teleangiectaticum] Grimmer H. Z Haut Geschlechtskr 46:Suppl:33-9, 1 Mar 71 (Ger)
[Diseases of the external female genitalia. Leiomyomata] Grimmer H. Z Haut Geschlechtskr 45:Suppl:137-41, 15 Oct 70 (Ger)
[Diagnostic possibilities of the early detection of vulvar carcinoma by dyeing with toluidine blue] Jurančíková M. Cesk Gynekol 36:224-5, May 71 (Slo)

DRUG THERAPY

Intermittent intravenous methotrexate in the treatment of advanced epidermoid carcinoma of the cervix and vulvovagina. Haffner WH, et al. Cancer 26:813-5, Oct 70
Chemotherapy of metastatic malignant melanoma. Experience with 73 patients. Johnson FD, et al. Cancer 27:1306-12, Jun 71

ETIOLOGY

[Thoughts apropos of precancerous injuries of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

vulva] Pilleron JP, et al.
Bull Mem Soc Chir Paris 60:366-9, 1970 (Fre)
[Condylomata acuminata with transformation to carcinoma] Sonck CE.
Z Haut Geschlechtskr 46:273-8, 15 Apr 71 (Ger)
[Scleoatrophic lichen of the vulva and carcinoma] Briones H, et al.
Rev Chil Obstet Ginecol 35:169-76, 1970 (Spa)
[Carcinoma of the vulva following irradiation treatment of a gynecologic neoplasm] Mañka I, et al.
Cesk Gynekol 36:242-3, May 71 (Slo)

FAMILIAL & GENETIC

[Ring shape D chromosome in a case of embryonal sarcoma] Ayraud N, et al.
Arch Anat Pathol (Paris) 19:91-3, Mar 71 (Fre)

MORTALITY

The mortality of vulval carcinoma. Hay DM.
West Indian Med J 18:161-6, Sep 69

PATHOLOGY

Paget's disease of the vulva--a cytogenetic study of skin fibroblasts, tumor cells, andpperipheral blood leukocytes in culture. Mullick S, et al.
Acta Cytol (Baltimore) 14:404-10, Jul-Aug 70
Invasive carcinoma of the vulva with lymph node metastasis. Collins CG, et al.
Am J Obstet Gynecol 109:446-52, 1 Feb 71
Carcinoma in situ of the vagina. Hummer WK, et al.
Am J Obstet Gynecol 108:1109-16, 1 Dec 70
Syringoma of the vulva. Carneiro SJ, et al.
Arch Dermatol 103:494-6, May 71
Fine structure of the extramammary Paget's cell. Demopoulos RI. Cancer 27:1202-10, May 71
[Myoblastic myoma in kraurosis vulvae] Vácha K, et al.
Cesk Gynekol 36:208-9, May 71 (Cze)
[Primary epithelioma of Bartholin's gland] Gautier-Benoit C, et al.
Bull Fed Soc Gynecol Obstet Lang Fr 22:457-9, Sep-Oct 70 (Fre)
[Morphology and morphological differential diagnosis of carcinoma of the vulva] Kleine-Natrop HE, et al.
Arch Geschwulstforsch 37:171-87, 1971 (Ger)
[Cytophotometric measurements of cells of Paget's disease of the mamilla and vulva] Sachs H.
Arch Gynaekol 209:256-61, 1970 (Ger)
[Dysplastic and premalignant changes in the vulva. Histological and histochemical observations] Janovski NA. Gynaekol Rundsch 9:161-70, 1970 (Ger)
[Vascular diseases of the vulva (2.) 1. Glomangiom (Glomustumor). 2. Kasebach-Merritt syndrome. 3. Mafucci-syndrome (Mafucci-Kast-syndrome)] Grimmer H.
Z Haut Geschlechtskr 46:Suppl:41-8, 15 Mar 71 (Ger)
[Vascular diseases of the vulva. Hemangioma senile] Grimmer H.
Z Haut Geschlechtskr 45:161-4, 1 Dec 70 (Ger)
[Diseases of the external female genital. 1. Verruca seborrhoica (verruca senilis, seborrhoic keratoses, pigmented papilloma, "basal cell papailloma"). 2. Melanoacenthoma] Grimmer H.
Z Haut Geschlechtskr 45:151-60, 15 Nov 70 (Ger)
[Diseases of the external female genitalia. Vulvar Fibroma] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:143-9, 1 Nov 70 (Ger)
[Histological picture report no 241. Vascular diseases of the vulva--nevus teleangiectic. Angiokeratoma neviforme. Varices] Grimmer H.
Z Haut Geschlechtskr 45:131-6, 1 Oct 70 (Ger)
[Diseases of the external female genitalia. Hidradenoma papilliferum (Adenoma hidradenoides. Hidradenoma tubulare)] Grimmer H.
Z Haut Geschlechtskr 46:105-13 passim, 15 Jul 71 (Ger)
[Juvenile melanoma] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:59-64, 15 May 70 (Ger)
[Viral diseases of the exernal female genitalia. 4. Condylomata acuminata and verrucae vulgares] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:41-8, 15 Apr 70 (Ger)
[Virus diseases of the external female genitalia. 2. Zoster (Gürtelrose, zona, shingles)] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:29-36, 15 Mar 70 (Ger)
[Diseases of the external female genitalia. Nevus cell nevus of the vulva] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:49-57, 1 May 70 (Ger)
[Histopathological and histochemical studies on the differentiation of a carcinoma of Bartholin's gland] Hoppe E. Zentralbl Gynaekol 93:138-44, 23 Jan 71 (Ger)
[Cylindroma of the vulva] Hański W, et al.
Nowotwory 21:75-8, Jan-Mar 71 (Pol)

PREVENTION & CONTROL

Diagnosis and treatment of premalignant lesions of the vulva: a review. Underwood PB Jr, et al.
Am J Obstet Gynecol 110:849-57, 15 Jul 71

RADIOGRAPHY

[Color lymphography in detection of lymphatic metastases of vulvar cancer] Matýšek P, et al.
Cesk Gynekol 36:227-8, May 71 (Slo)

RADIOTHERAPY

[Results of the treatment of vulvar cancer during the period of 15 years] Bauer J, et al.
Cesk Gynekol 36:245-7, May 71 (Cze)
[Direct intralymphatic administration of radiogold 198 in treatment of the cancer of the vulva] Dvořák O, et al. Cesk Gynekol 36:237-9, May 71 (Cze)
[The place of radiotherapy and of surgery in the treatment of vulvar neoplasms] Balikdjian D, et al.
Bull Soc R Belge Gynecol Obstet 39:89-96, Mar 69 (Fre)
[The problem of dose and time. Comparative volumetric examinations of irradiated metastases] Alth G. Strahlentherapie 141:396-9, Apr 71 (Ger)
[X-ray therapy of Bowen's disease of the vulva] Schirren M.
Z Haut Geschlechtskr 45:297-302, 1 Apr 70 (Ger)
[Radiation therapy of carcinoma of the vulva with fast electrons] Donati E.
Fracastoro 63:178-86, Mar-Apr 70 (Ita)
[Radiotherapy of cancer of the vulva] Besio GL, et al.
Minerva Ginecol 21:632-42, 31 May 69 (Ita)
[Results in the treatment of vulvar carcinoma in years 1951-1964] Mañka J, et al.
Cesk Gynekol 36:240-1, May 71 (Slo)

SURGERY

Radical operation for carcinoma of the vulva. A new approach to wound healing. Cavanagh D, et al.
J Obstet Gynaecol Br Commonw 77:1037-40, Nov 70
Exenteration for advanced carcinoma of the vulva. Daily LJ, et al. Obstet Gynecol 36:845-9, Dec 70
Choice of operation for vulva carcinoma. Shingleton HM, et al. Surg Forum 21:409-10, 1970
[Results of the treatment of vulvar cancer during the period of 15 years] Bauer J, et al.
Cesk Gynekol 36:245-7, May 71 (Cze)
[Problem of wound healing after inguinal exenteration in cases of carcinoma of the vulva] Belohorský B, et al.
Cesk Gynekol 36:235-7, May 71 (Cze)
[Cooperation of the gynecologist with the plastic surgeon in surgery of the vulva] Cernoch A, et al.
Cesk Gynekol 36:228-32, May 71 (Cze)
[Care of lymphatic ducts and nodes in the treatment of cancer of external female genitalia] Koleta F.
Cesk Gynekol 36:234-5, May 71 (Cze)
[Inguinal part of radical vulvectomy] Slot E, et al.
Cesk Gynekol 36:232-3, May 71 (Cze)
[Malignant disorders of the vulva] Aartsen EJ.
Ned Tijdschr Verloskd Gynaecol 70:369-87, Oct 70 (Dut)
[Radical tegumentary vulvectomy with immediate cutaneous graft: a surgical solution for vulvar Bowen's disease] Marchac D, et al.
Bull Soc Fr Dermatol Syphiligr 78:24-6, 1971 (Fre)
[The place of radiotherapy and of surgery in the treatment of vulvar neoplasms] Balikdjian D, et al.
Bull Soc R Belge Gynecol Obstet 39:89-96, Mar 69 (Fre)
[Limited surgery in the treatment of cancer of the vulva (apropos of 267 cases)] Verhaeghe M, et al.
Lyon Chir 65:616-23, Jul-Aug 69 (Fre)
[One-year experience with electroresection and electrocoagulation of the vulva in vulvar carcinoma and vulvar carcinoma recurrences] Hilfrich HJ, et al.
Geburtshilfe Frauenheilkd 31:41-50, Jan 71 (Ger)
[Surgical therapy of carcinoma of the vulva] Papadia S, et al. Minerva Ginecol 21:629-32, 31 May 69 (Ita)
[Treatment of vulvar cancer at the Oncological Institute for Slovakia] Mañka I, et al.
Cesk Gynekol 36:243-5, May 71 (Slo)
[Results in the treatment of vulvar carcinoma in years 1951-1964] Mañka J, et al.
Cesk Gynekol 36:240-1, May 71 (Slo)

THERAPY

[Treatment of cancer of the vulva] Wozniewski A.
Wiad Lek 24:727-32, 15 Apr 71 (Pol)

VETERINARY

Malignant lymphoma in a young dog. Ladds PW, et al.
J Am Vet Med Assoc 155:1343-4, 15 Oct 67

VULVITIS (C6)

[Virus diseases of the external female genitals. 3. Innoculation vaccinia (localized accidental vaccinias, vaccinia vulvitis] Grimmer H.
Z Haut Geschlechtskr 45:Suppl:37-40, 1 Apr 70 (Ger)

CHEMICALLY INDUCED

Deodorant vulvitis. Davis BA.
Obstet Gynecol 36:812, Nov 70

DIAGNOSIS

Management of pregnancy complicated by genital herpes virus infection. Amstey MS.
Obstet Gynecol 37:515-20, Apr 71

DRUG THERAPY

Topical testosterone for benign vulvar dystrophy. Friedrich EG Jr. Obstet Gynecol 37:877-86, May 71

ETIOLOGY

Salivary vulvitis. Davis BA.
Obstet Gynecol 37:238-40, Feb 71

PATHOLOGY

[Dysplastic and premalignant changes in the vulva. Histological and histochemical observations] Janovski NA. Gynaekol Rundsch 9:161-70, 1970 (Ger)
[Diseases of outer female genitalia. Vulvar eczema and other forms of vulvitis] Grimmer H.
Z Haut Geschlechtskr 46:5-20, 15 Jan 71 (Ger)
[Diseases of the external female genitalia. Vesicular diseases with vulvar involvement (contd)] Grimmer H.
Z Haut Geschlechtskr 46:67-70 contd, 15 May 71 (Ger)

VULVOVAGINITIS (C6)

[Vulvitis and vaginitis in the infant] Rey-Stocker I.
Gynaecologia 168:413-5, 1969 (Fre)

COMPLICATIONS

[Urinary disorders in small girls and pyuria of genital origin] Serstron D.
Ann Pediatr (Paris) 18:66-72, 2 Jan 71 (Fre)

DIAGNOSIS

[New method of obtaining vaginal secretion in vulvovaginitis in children and adolescents] Balova V.
Akush Ginekol (Sofiia) 10:134-8, 1971 (Bul)

DRUG THERAPY

[Therapeutic effect of Pimaricin (Natamycin) in cases of vulvovaginitis due to yeast-like fungi] Zemburowa K, et al. Pol Tyg Lek 26:762-4, 17 May 71 (Pol)

ETIOLOGY

Gonococcal vulvovaginitis and possible peritonitis in prepubertal girls. Burry VF.
Am J Dis Child 121:536-7, Jun 71
[Therapeutic effect of Pimaricin (Natamycin) in cases of vulvovaginitis due to yeast-like fungi] Zemburowa K, et al. Pol Tyg Lek 26:762-4, 17 May 71 (Pol)
[Infantile vulvovaginitis. Preliminary report] Aguilar Acevedo P, et al.
Ginecol Obstet Mex 28:93-7, Jul 70 (Spa)

VETERINARY

Equine coital exanthema. Isolation of a virus and transmission experiments. Krogsrud J, et al.
Acta Vet Scand 12:1-14, 1971
Penoposthitis associated with infectious bovine rhinotracheitis-infectious pustular vulvovaginitis (I.B.R.-I.P.V.) virus in a stud of bulls. Huck RA, et al.
Vet Rec 88:292-7, 20 Mar 71

VZ VIRUS see VARICELLA-ZOSTER VIRUS (B4)

WAGNER-MEISSNER CORPUSCLES see under NERVE ENDINGS (A8)

WAITING LISTS see under APPOINTMENTS AND SCHEDULES (N4)

WAKEFULNESS (F1, G1)

Functional properties of the ventrolateral thalamic nucleus during natural sleep and wakefulness. Favale E. Acta Neurol Belg 70:846-54, 1970
Sleep and wake states in the Biosatellite 3 monkey: visual and computer analysis of telemetered electroencephalographic data from earth orbital flight. Hanley J, et al. Aerosp Med 42:304-13, Mar 71
Sleep-wake activity patterns of a Macaca nemestrina monkey during nine days of weightlessness. Hoshizaki T, et al. Aerosp Med 42:288-95, Mar 71
Commercial airline pilot and his ability to remain alert. Yoss RE, et al. Aerosp Med 41:1339-46, Dec 70
Enhancement of achievement motivaton by posthypnotic and waking suggestion. Mordey TR, et al. Am J Clin Hypn 13:198-205, Jan 71
A wakeful hypometabolic physiologic state. Wallace RK, et al. Am J Physiol 221:795-9, Sep 71
The digastric reflex in the kitten and adult cat: paradoxical amplitude fluctuations during sleep and wakefulness. Chase MH.
Arch Ital Biol 108:403-22, Aug 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Oscillatory potentials in the lateral geniculate nucleus during sleep and wakefulness. Ghelarducci B, et al. Arch Ital Biol 109:37-58, Apr 71

Repeated stimulation of amygdala in awake monkeys. Delgado JM, et al. Brain Res 27:111-31, 19 Mar 71

Modification of the responses evoked in the cerebellar cortex by limb nerve stimulation during wakefulness and sleep. Marchesi GF, et al. Brain Res 18:557-9, 17 Mar 70

Firing variability in cat association cortex during sleep and wakefulness. Noda H, et al. Brain Res 18:513-26, 17 Mar 70

Heart-rate variability in sleep and wakefulness. Burdick JA, et al. Cardiology 55:79-83, 1970

Irrelevance of newborn waking states to some motor and appetitive responses. Bell RQ, et al. Child Dev 42:69-77, Mar 71

Neural integrations in the substrate for sleep and vigilance. Desiraju T. Curr Mod Biol 4:1-11, May 71

Cortical unit activity in sleep and waking. Hobson JA, et al. Electroencephalogr Clin Neurophysiol 30:97-112, Feb 71

Multi-channel EEG field analysis: sleep and wakefulness in humans. Lehmann D, et al. Electroencephalogr Clin Neurophysiol 30:271, Mar 71

Recruiting responses following splitting of the brain-stem in cats. Mancia M, et al. Electroencephalogr Clin Neurophysiol 31:259-68, Sep 71

A period analysis classification of sleep stages. Roessler R, et al. Electroencephalogr Clin Neurophysiol 29:358-62, Oct 70

Somato-sympathetic reflexes during natural sleep and wakefulness in unrestrained cats. Baust W, et al. Exp Brain Res 112:361-9, 26 May 71

Effects of food deprivation on sleep and wakefulness in the rat. Jacobs BL, et al. Exp Neurol 30:212-22, Feb 71

Lateral geniculate spikes in sleeping, awake, and reserpine-treated cats: correlated excitability changes in superior colliculus and related structures. Munson JB, et al. Exp Neurol 31:326-36, Jun 71

Effects of vaginal stimulation on hypothalamic single units in unanesthetized rabbits. Vincent JD, et al. Experientia 26:1266-7, 15 Nov 70

Behavioral state, sleep stage and growth hormone levels in human infants. Finkelstein JW, et al. J Clin Endocrinol Metab 32:368-71, Mar 71

Recovery of function after brainstem lesions in the rat. LeVere TE. J Comp Physiol Psychol 69:339-44, Oct 69

The degree of concordance between the content of sleep talking and mentation recalled in wakefulness. Arkin AM, et al. J Nerv Ment Dis 151:375-93, Dec 70

Control of unitary activities in cerebellothalamic pathway during wakefulness and synchronized sleep. Steriade M, et al. J Neurophysiol 34:389-413, May 71

The structure of mood: a comparison between sleep deprivation and normal wakefulness conditions. Hendrick C, et al. J Pers 38:453-65, Sep 70

Augmenters, reducers, and their reaction to cold pressor pain in waking and suggested hypnotic analgesia. Morgan AH, et al. J Pers Soc Psychol 16:5-11, Sep 70

Changes in optic nerve activity on awakening. Gardner-Medwin AR. J Physiol (Lond) 208:54P, Jun 70

Perceptual and cognitive processes in different states of consciousness: the waking state and hypnosis. Fromm E, et al. J Proj Tech Pers Assess 34:375-87, Oct 70

Growth hormone in newborn infants during sleep-wake periods. Shaywitz BA, et al. Pediatrics 48:103-9, Jul 71

Emergence of a tonic-phasic model for sleep and dreaming: behavioral and physiological observations. Grosser GS, et al. Psychol Bull 75:60-72, Jan 71

Bispectrum analysis of electroencephalogram signals during waking and sleeping. Barnett TP, et al. Science 172:401-2, 23 Apr 71

[Effect of peripheral deafferentiation on the sleep-waking cycle in the cat] Vital-Durand F, et al. Arch Ital Biol 109:166-86, Jun 71 (Fre)

[Study on automatic analysis and quantification of the diverse states of wakefulness and sleep in the rat] Gottesmann C, et al. C R Acad Sci [D] (Paris) 272:301-2, 11 Jan 71 (Fre)

[Spontaneous variations of the spectrum amplitude of the normal human EEG in waking and relaxed states] Drohocki ZA. C R Soc Biol (Paris) 164:992-7, 1970 (Fre)

[Effect of cortical awakening on immature evoked potentials] Laget P, et al. C R Soc Biol (Paris) 164:1454-7, 1970 (Fre)

[Contributions to the study of the physiology of wakeful and sleep states] Cordeau JP. Can Med Assoc J 103:879-84, 17 Oct 70 (33 ref.) (Fre)

[Sleep-wakefulness in white female rats during the circadian and estrus cycles] Barbe L, et al. J Physiol (Paris) 1:Suppl 1:84, 1969 (Fre)

[Electrocortical rhythm of motionless wakefulness in normal monkeys. Phylogenetic perspectives] Charlopin N, et al. J Physiol (Paris) 63:25A, Mar-Apr 71 (Fre)

[Automatic analysis of wake-sleep states in rats] Gottesmann C, et al. J Physiol (Paris) 63:55A-56A, Mar-Apr 71 (Fre)

[Inhibition of GABA transaminase and wake-sleep behavior in rats] Juan de Mendoza JL, et al. J Physiol (Paris) 63:63A-64A, Mar-Apr 71 (Fre)

[Spontaneous and rhythms spindles of the cat primary visual area during different stages of wakefulness and sleep] Lanoir J, et al. J Physiol (Paris) 62:Suppl 3:399+, 1970 (Fre)

[Ventral tegmental lesions in the rat: effects on emotional behavior and variations in the alertness threshold] Le Moal M, et al. J Physiol (Paris) 1:Suppl 1:148, 1969 (Fre)

[Effects of the ablation of different cortical areas on variations of amplitude of the P wave of spinal cord potential during different wakefulness and sleep states] Ménetrey D, et al. J Physiol (Paris) 62:Suppl 3:413, 1970 (Fre)

[Study of sleep in C57BR-cd and CBA mice] Valatx JL. J Physiol (Paris) 62:Suppl 2:325-6, 1970 (Fre)

[Effects of sensory deafferentation on the wakefulness-sleep cycle] Vital-Durand F, et al. J Physiol (Paris) 1:Suppl 1:186, 1969 (Fre)

[Problems presented by the rhythm wakefulness--sleep in the course of cosmic flights] Chemin P. Rev Corps Sante Armees 10:575-84, Oct 69 (Fre)

[Studies of the changes of excitability of cortical thalamic neurons during the sleep-waking cycle] Dagnino N, et al. Riv Neurol 40:223-9, Jul-Aug 70 (Ita)

[Presynaptic and postsynaptic changes in the nucleus ventralis lateralis during the sleep-waking cycle] Favale E, et al. Riv Neurol 40:299-303, Sep-Oct 70 (Ita)

[Studies of pyramidal activity evoked during the sleep-waking cycle] Favale E, et al. Riv Neurol 40:294-9, Sep-Oct 70 (Ita)

[Electroencephalographic studies of the wakefulness. I] Nakagawa Y, et al. Adv Neurol Sci (Tokyo) 14:695-703, Apr 71 (Jap)

[Excitation rhythm of the nerve groups. 4. Sleep and wakefulness] Torii S. J Physiol Soc Jap 33:74-7, Feb 71 (Jap)

[Polygraphical study on the wakefulness-sleep cycle of the rat] Takeuchi E. Jap J Psychol 41:248-56, Dec 70 (Jap)

[Studies on the determination of the awakening threshold in children] Semczuk B, et al. Otolaryngol Pol 25:187-91, 1971 (Pol)

[Characteristics of changes in polarization of the cerebral cortex in ontogenesis in the rabbit in relation to sleep and wakefulness] Gokhblit II, et al. Biull Eksp Biol Med 68:7-10, Sep 69 (Rus)

[Circadian rhythm of wakefulness and sleep during narcolepsy] Iakhno NN, et al. Biull Eksp Biol Med 71:20-3, Mar 71 (Rus)

[Behavioral and electrographic expression of natural sleep and wakefulness in reptiles] Karmanova IG, et al. Fiziol Zh SSSR 57:504-11, Apr 71 (Rus)

[Vestibular reactions during wakefulness and sleep] Aslanian GG. Zh Eksp Klin Med 7:24-9, 1967 (Rus)

[Differences in the high frequency part of the electrocorticogram during physiologic sleep and wakefulness] Lesene V. Zh Vyssh Nerv Deiat 20:1093-5, Sep-Oct 70 (Rus)

[The dynamics of various electrocorticogram rhythms during sleep and wakefulness in cats] Oniani TN, et al. Zh Vyssh Nerv Deiat 21:128-34, Jan-Feb 71 (Rus)

DRUG EFFECTS

Alterations in sleep-wakefulness cycle in rats following treatment with (+)-lysergic acid diethylamide (LSD-25). Depoortere H, et al. Br J Pharmacol 41:402P+, Feb 71

O-T-C stay-awake aids. Sumner ED. J Am Pharm Assoc 10:598-600 passim, Nov 70

Effects of fenfluramine on sleep-wakefulness in cats. Johnson DN, et al. Psychopharmacologia 20:1-9, 1971

A role for dopamine in control of sleep and wakefulness. Harner RN, et al. Trans Am Neurol Assoc 95:252-4, 1970

[Effect of psychotropic drugs on sleep and levels of wakefulness] Yamaguchi N, et al. Adv Neurol Sci (Tokyo) 14:877-85, Apr 71 (Jap)

[Influences of hypnotics (especially nitrazepam, -hydroxybutyric acid) on sleep-wakefulness mechanisms in cats] Takeshima T. Psychiatr Neurol Jap 73:495-532, Jun 71 (Jap)

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see PURPURA, HYPERGLOBULINEMIC (C9)

WALDENSTROM'S MACROGLOBULINEMIA see MACROGLOBULINEMIA (C9)

WALLERIAN DEGENERATION see under NERVE DEGENERATION (G1)

WALRUS see under PINNIPEDIA (B2)

WAR (I)

Epidemiology of famine in the Nigerian crisis: rapid evaluation of malnutrition by height and arm circumference in large populations. Davis LE. Am J Clin Nutr 24:358-64, Mar 71

The young American expatriates in Canada: alienated or self-defined? Kline CL, et al. Am J Orthopsychiatry 41:74-84, Jan 71

Psychiatry and the draft. Ollendorff RH, et al. Am J Orthopsychiatry 41:85-90, Jan 71

The psychiatrist and the draft evader. Reply. Hoedemaker FS, et al. Am J Psychiatry 127:1237-8, Mar 71

Letter to the ediotr: comment on "The civilian psychiatrist and the draft". Lieberman EJ. Am J Psychiatry 127:1237, Mar 71

The psychiatrist and the draft evader. Roemer PA. Am J Psychiatry 127:1236-7, Mar 71

The effect of a threat of war on neurotic patients in psychotherapy. Ierodiakonou CS. Am J Psychother 24:643-51, Oct 70

The medical costs of the war in Vietnam. Elkinton JR. Ann Intern Med 74:630-2, Apr 71

Civilian war casualties and medical care in South Vietnam. Vastyan EA. Ann Intern Med 74:611-24, Apr 71

Thoracic injuries in combat casualties in Vietnam. McNamara JJ, et al. Ann Thorac Surg 10:389-401, Nov 70

Kachigumi: a collective delusion among the Japanese and their descendants in Brazil. Kumasaka Y, et al. Can Psychiatr Assoc J 15:167-75, Apr 70

Adaptive changes of different social structures facing a common hostile situation. Ginath Y, et al. Isr Ann Psychiatry 8:146-62, Jul 70

Evacuees presenting to the psychiatric clinic. Fakhr-el-Islam M, et al. J Egypt Med Assoc 52:233-40, Apr 69

Authoritarianism and attitudes toward the Vietnam war as reflected in behavioral and self-report measures. Izzett RR. J Pers Soc Psychol 17:145-8, Feb 71

The effect of crisis on the mental heith of a community (Onitsha). Mbanefo SE. J R Coll Gen Pract 21:44-52, Jan 71

Ideology and personality in war-peace attitudes. Eckhardt W, et al. J Soc Psychol 81:105-16, Jun 70

Will history exculpate us? Longo LD. Med Arts Sci 23:27-32, 1969

Casualties of war. Med J Aust 2:991-2, 28 Nov 70

Field medical problem. Prepare a five-minute ARSTRIKE briefing. Milit Med 135:911 passim, Oct 70

Field medical problem. Planning dental support for a newly established communications zone in an active theater of operations. Milit Med 135:685-7, Aug 70

Comparison of World War II, Korean, and Vietnamese prisoners of war. Halloran AV. Milit Med 53:919-22, Aug 70 (18 ref.)

Psychological effects of prisoner-of-war experiences. Lumry GK. Milit Med 53:915-8, Aug 70 (12 ref.)

Health care in Vietnam. Berger LR, et al. N Engl J Med 285:355-7, 5 Aug 71

War in spite of good deeds. Rothstein E. N Engl J Med 283:1414, 17 Dec 70

Straits of Bengali people. N Engl J Med 285:181-2, 15 Jul 71

Slaves and prophets. Nature (Lond) 228:599-600, 14 Nov 70

The psychological adjustment of normal people during a year's tour in Vietnam. Bloch HS. Psychiatr Q 44:613-26, 1970

Dogmatism and attitudes towards the Vietnam war. Bailes DW, et al. Sociometry 33:140-6, Jun 70

Why did we destroy Europe? Polányi M. Stud Gen (Berl) 23:909-16, 1970

The assassination of Reinhard Heydrich. (Heydrich R), Davis RA. Surg Gynecol Obstet 133:304-18, Aug 71

[The concentration camp syndrome. (Former Norvegian inmates of German concentration camps)] Eitinger L. Cesk Psychiatr 66:257-66, Oct 70 (Cze)

[War injuries of the female genital tract (apropos of 49 cases)] Din-Van-Tung, et al. Gynecol Obstet (Paris) 70:179-87, Mar-Apr 71 (Fre)

[Treatment of recent war mental disorders] Force L, et al. Rev Corps Sante Armees 11:471-82, Aug 70 (Fre)

[Problems raised by the course of war mental disorders] Fournier A. Rev Corps Sante Armees 11:499-504, Aug 70 (Fre)

[Economic aspects of peace time] Rothschild KW. Stud Gen (Berl) 23:1228-48, 23 Dec 70 (Ger)

[Organization and problems of wartime social hygiene] Gavrilov OK. Sov Zdravookhr 30:10-5, 1971 (Rus)

[Psychopathological manifestations under unusual conditions] Perić N, et al. Acta Med Iugosl 24:123-41, 1970 (Cro)

[Medical service to the territorial defense units] Dragić D. Vojnosanit Pregl 27:321-6, Jul-Aug 70 (Cro)

HISTORY

Medicine in the canadian campaign of the revolutionary war: the journal of Doctor Samuel Fisk Merrick. Davis DB. Bull Hist Med 44:461-73, Sep-Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Medicine in the American Revolution. II. Allen V.
J Okla State Med Assoc 63:549-53, Nov 70
Medicine in the American Revolution. I. Allen VR.
J Okla State Med Assoc 63:426-30, Sep 70
Medical conditions at Valley Forge. Bloch H.
NY State J Med 70:3010-2, 15 Dec 70
The brave die sooner. NZ Med J 73:297, May 71
Wounds, Williamsburg, and war. The day "the world turned upside down". Horton CE, et al.
Plast Reconstr Surg 47:411-20, May 71
Home front, battle field, and sport during the Civil War. Betts JR.
Res Q Am Assoc Health Phys Educ 42:113-32, May 71
[The medical corps of the military navy from the origins to 1945, with special reference to the war of 1914-1918]
Ann Med Nav (Roma) 74:115-24, Mar-Apr 69 (Ita)
[Health services of the partisans in Piedmont (1943-1945)] Begey AB.
Minerva Med 62:2481-500, 20 Jun 71 (Ita)
[How did Polish hospitals help underground fighters during World War II?] Jaśniewicz Z.
Arch Hist Med (Warsz) 34:193-200, 1971 (Pol)
[Sandomierz in 1940 (war memoirs of a physician)] Sobolewski W.
Arch Hist Med (Warsz) 34:225-35, 1971 (Pol)
[Health services in the Mokotow district during the Warsaw Uprising] Szukiewicz H.
Arch Hist Med (Warsz) 33:215-24, 1970 (Pol)
[Hospital at the P.O.W. Zeithain camp] Bayer S.
Przegl Lek 27:123-30, 1971 (Pol)
[Identification activity of the employees of the Institute of Forensic Medicine in Cracow during the German occupation] Byrdy M.
Przegl Lek 27:13-4, 1971 (Pol)
[Lwów during the German occupation] (Kielanowski T), Kielanowski T. Przegl Lek 27:109-13, 1971 (Pol)
[The Podhale region during the German occupation. Dr. Leopold Bednarczyk] (Bednarczyk L), Klodziński S.
Przegl Lek 27:104-9, 1971 (Pol)
[Tarnów doctors on the eve of liberation] Kubińska-Szymanowska Z.
Przegl Lek 28:357-8, 1971 (Pol)
[A surgeon in the conspiratorial health service in Warsaw] Kujawski Z. Przegl Lek 27:71-9, 1971 (Pol)
[From the Warsaw uprising to the Zeithain camp] (Kujawski Z), Kujawski Z.
Przegl Lek 27:118-23, 1971 (Pol)
[Physicians at Zakopane during the German occupation] Ryn Z. Przegl Lek 27:96-103, 1971 (Pol)
[Reminiscences of secret teaching at the Pharmaceutical Department in Cracow] Skowron S.
Przegl Lek 27:80-4, 1971 (Pol)
[Medical care for the troops of the 2d guard army at the time of the Crimean advance operation] Vasiuta DK.
Voen Med Zh 9:75-80, Sep 70 (Rus)
[Protecting the civilian population near the front lines in World War II against epidemics] Tararin RA.
Zh Mikrobiol Epidemiol Immunobiol 48:5-12, 1971 (Rus)
[Medicine, pharmacy and veterinary medicine during World War II in Bosnia and Hercegovina] Dragić D.
Vojnosanit Pregl 28:151-6, Mar 71 (Cro)
[Foreign physicians in the National Liberation War, 1941-1945] Nikolić G, et al.
Vojnosanit Pregl 28:25-31, Jan 71 (Cro)

WAR CRIMES (I)

About the Hungarian aspects of the medical expert's assessment concerning decrease of working ability in persons submitted to "pseudoscientific medical experiments" in the nazi concentration camps. Hadju G. Acta Med Leg Soc (Liege) 20:297-302, Jul-Dec 67

HISTORY

[11th fascicle dedicated to problems of medicine during the German occupation. Foreward] Bogusz J.
Przegl Lek 27:3-9, 1971 (Pol)
[The Plaszow concentration and compulsory labor camp] Kielkowski R. Przegl Lek 27:23-36, 1971 (Pol)
[History of the Monteluppi prison (1941-1942). Dr. Józef Garbień] (Garbień J), Klodziński S.
Przegl Lek 27:84-96, 1971 (Pol)

WAR EDEMA see under DEFICIENCY DISEASES

(C13)

WARBURG'S RESPIRATORY ENZYME see

CYTOCHROME OXIDASE (D9)

WARFARIN (D7)

The effect of ellagic acid on the hemorrhagic syndrome after tooth extraction in warfarin treated animals. Agostino D, et al. Osp Ital Chir 22:149-54, Mar-Apr 70
Warfarin-resistant rats.
R Soc Health J 90:289, Nov-Dec 70

ADMINISTRATION & DOSAGE

"No-load" warfarin therapy. Udall JA.
N Engl J Med 283:1345-6, 10 Dec 70
The effect of two synthetic anticoagulant drugs (coumarin and inandione) in the ewe. Morag M, et al.
Res Vet Sci 12:106-12, Mar 71
[Postoperative thrombosis of the vertebral artery--report of a case successfully treated with combination of a thrombolytic agent, low molecular dextran and an anticoagulant] Nagashima C.
Brain Nerve (Tokyo) 22:1419-27, Dec 70 (Jap)

ADVERSE EFFECTS

Submucosal haematoma of the oesophagus due to anticoagulant therapy. Report of a case. Andress M.
Acta Radiol [Diagn] (Stockh) 11:216-9, Mar 71
Salivary gland hemorrhage--an unusual complication of coumadin anticoagulation. DeCastro CM, et al.
Am Heart J 80:675-6, Nov 70
Chloral hydrate and warfarin therapy. Koch-Weser J, et al. Ann Intern Med 75:141-2, Jul 71
Fetal effects of coumadin administered during pregnancy. Hirsh J, et al. Blood 36:623-7, Nov 70
The activated coagulation time of whole blood as a routine pre-operative screening test. Hattersley PG.
Calif Med 114:15-8, May 71
Skin necrosis associated with warfarin sodium. Martin CM, et al. Calif Med 113:76-80, Nov 70
Coumadin-induced intestinal obstruction: case report with surgical intervention. Hashimoto A, et al.
J Am Osteopath Assoc 70:233-7, Nov 70
Spinal meningeal hematoma, warfarin therapy, and chiropractic adjustment. Dabbert O, et al.
JAMA 214:2058, 14 Dec 70
Warfarin anticoagulation and pregnancy. Fedrick J, et al. Lancet 1:192, 23 Jan 71
Mitral-valve prosthesis, warfarin anticoagulation, and pregnancy. Ikonen E, et al. Lancet 2:1252, 12 Dec 70
Decreased anticoagulant tolerance with oxymetholone. Robinson BH, et al. Lancet 1:1356, 26 Jun 71
Unusual features of haemorrhage in a patient on warfarin sodium. Nagle R.
Med Sci Law 10:110-1, Apr 70
Necrosis of breast. Unusual complication of coumarin therapy. Lempert N, et al.
NY State J Med 71:245-7, 15 Jan 71
Fatal corpus luteum hemorrhage during anticoagulant therapy. Sopher IM, et al.
Obstet Gynecol 37:695-7, May 71
Cutaneous and subcutaneous necrosis as a complication of coumarin-congener therapy. Kahn S, et al.
Plast Reconstr Surg 48:160-6, Aug 71
Intestinal obstruction in patients receiving anticoagulants. Crisler C, et al.
Surg Clin North Am 50:1009-13, Oct 70
[Massive sublingual hemorrhage due to coumadin causing suffocation] Revach M, et al.
Harefuah 78:597-8, 15 Jun 70 (Heb)

ANALYSIS

Determination of warfarin in liver tissue by gas chromatography. Funnell HS, et al.
J Forensic Sci 15:601-4, Oct 70
Mass spectral analysis in the identification of human metabolites of warfarin. Trager WF, et al.
J Med Chem 13:1196-204, Nov 70

ANTAGONISTS & INHIBITORS

Drug interactions with warfarin: studies with dichloralphenazone, chloral hydrate and phenazone (antipyrine). Breckenridge A, et al.
Clin Sci 40:351-64, Apr 71

BLOOD

Carbamazepine-induced acceleration of diphenylhydantoin and warfarin metabolism in man. Hansen JM, et al.
Clin Pharmacol Ther 12:539-43, May-Jun 71
Comparison of plasma concentrations of warfarin measured by both simple extraction and TLC methods. Welling PG, et al.
J Pharm Sci 59:1621-5, Nov 70

METABOLISM

The effect of pH on the absorption of warfarin from rat small intestine in vitro. Julkunen RJ, et al.
Ann Med Exp Biol Fenn 49:38-44, 1971
Clinical implications of enzyme induction. Breckenridge A, et al.
Ann NY Acad Sci 179:421-31, 6 Jul 71
The metabolic fate of warfarin: studies on the metabolites in plasma. Lewis RJ, et al.
Ann NY Acad Sci 179:205-12, 6 Jul 71
Kinetics and clinical importance of displacement of warfarin from albumin by acidic drugs. Sellers EM, et al. Ann NY Acad Sci 179:213-25, 6 Jul 71
The biochemistry of warfarin resistance in the rat. Davis RJ, et al. Biochem J 118:44P-45P, Jul 70
Some biochemical studies on warfarin resistance in the rat. Taylor A, et al. Biochem J 118:56P-57P, Jul 70
Interaction of warfarin and nonsystemic gastrointestinal drugs. Robinson DS, et al.
Clin Pharmacol Ther 12:491-5, May-Jun 71
Absorption of warfarin from the stomach and small intestine. Pyörälä K, et al.
Scand J Gastroenterol 6:Suppl 9:95-103, 1971

PHARMACODYNAMICS

The formation of antibodies to endotoxin in warfarin-treated rabbits. Haugen J.
Acta Pathol Microbiol Scand [B] 79:219-25, 1971
The pyrogenic response to endotoxin in warfarin-treated rabbits. Haugen J.
Acta Pathol Microbiol Scand [B] 79:209-18, 1971
Drug interactions. Arch Intern Med 128:572-3, Oct 70
Warfarin and vitamin K accelerate protein and glycoprotein synthesis in isolated rat liver mitochondria in vitro. Bernacki RJ, et al.
Biochem Biophys Res Commun 41:498-505, 23 Oct 70
Action of warfarin injected into rats on protein synthesis in vitro by liver microsomes as related to its anticoagulating action. Biezunski N.
Biochem Pharmacol 19:2645-52, Sep 70
Studies on the biosynthesis of factor VII (proconvertin). The mode of action of warfarin. Prydz H, et al. Biochim Biophys Acta 230:373-80, 23 Feb 71
Control of the susceptibility of rats (Rattus norvegicus) to anticoagulant rodenticides, in Gdynia--port and city. Przyborowski T, et al.
Bull Inst Mar Med Gdansk 21:225-8, 1970
Prevention of antibiotic resistance in vitro in Staphylococcus aureus, Escherichia coli, and Pseudomonas aeruginosa by coumadin. De Courcy SJ Jr, et al. J Infect Dis 123:11-5, Jan 71
Pharmacokinetic analysis of potentiating effect of phenylbutazone on anticoagulant action of warfarin in man. O'Reilly RA, et al. J Pharm Sci 59:1258-61, Sep 70
Macromolecular synthesis: effects of vitamin K and warfarin on macromolecular synthesis in Escherichia coli. Bosmann HB. Life Sci [II] 10:61-9, 22 Jan 71
Low dosage proteases, clotting factors, capillary permeability and cellular viability. Innerfield I, et al.
Life Sci [II] 9:1359-67, 8 Dec 70
Japanese-restaurant syndrome. Flannery EP, et al.
N Engl J Med 285:414, 12 Aug 71
Pharmacokinetics of warfarin following intravenous administration to man. O'Reilly RA, et al.
Thromb Diath Haemorrh 25:178-86, 1971
Prolonged coumadin treatment as an adjuvant to surgery in an experimental colon carcinoma. Agostino D. Tumori 56:165-73, May-Jun 70

POISONING

[Comments on the paper by F. Marschang: studies during a mass poisoning by rat poison in pigs] Rehm WF.
Dtsch Tieraerztl Wochenschr 77:567, 1 Nov 70 (Ger)

THERAPEUTIC USE

Preoperative anticoagulant treatment in gynaecological surgery. Pyörälä T, et al.
Acta Obstet Gynecol Scand 49:215-20, 1970
Chloral hydrate and warfarin interaction: clinical significance. Griner PF, et al.
Ann Intern Med 74:540-3, Apr 71
Warfarin therapy not influenced by meprobamate. A controlled study in nine men. Udall JA.
Curr Ther Res 12:724-8, Nov 70
Interaction of ascorbic acid and warfarin. Rosenthal G.
JAMA 215:1671, 8 Mar 71
[Long-term effect of coumadin on tumor takes of the Walker 256 carcinosarcoma] Agostino D.
Osp Ital Chir 20:217-25, Mar 69 (Mul)

TOXICITY

[Chemical toxicological identification of warfarin] Thiemann KG, et al.
Arch Exp Veterinaermed 24:731-3, 1970 (Ger)

WARTS (C1, C12)

see also related
PAPILLOMA (C2)

Calluses, corns and warts. Gibbs RC.
Am Fam Physician 3:92-101, Apr 71
A case of epidermodysplasia verruciformis. Venkatesan TV, et al. Indian J Dermatol 16:45, Jan 71
Man and the wart. Ariook TD.
J Indiana State Med Assoc 63:1191-2, Oct 70
Are warts cell clones? Nature (Lond) 232:10, 2 Jul 71
The common seborrheic wart as a test model for studying factors of controlled tissue growth. Goldman L. Ohio State Med J 66:1122-3, Nov 70
[Histochemical study of the pigmented cell of senile verruca] Peifini C, et al.
Boll Soc Ital Biol Sper 46:186-9, 28 Feb 70 (Ita)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Case of verrucous red lichen] Hayakawa M, et al. Acta Dermatol (Kyoto) 65:245-51, Nov 70 (Jap)
[Dermatitis of the amputated stump] Mosto SJ, et al. Arch Argent Dermatol 18:329-32, Dec 68 (Spa)

COMPLICATIONS

Bittner's syndrome. Stritzler C, et al. Arch Dermatol 103:548-9, May 71
Recurrent pleural effusion, protein-losing enteropathy, malabsorption, and mosaic warts associated with generalized lymphatic hypoplasia. Ross JD, et al. Thorax 26:119-24, Jan 71

DIAGNOSIS

[Verruca vulgaris gigantea with the aspect of papillomatosis cutis carcinoides] Balda BR, et al. Hautarzt 21:550-2, Dec 70 (Ger)

DRUG THERAPY

Onychodystrophy after topically applied fluorouracil for warts. Tanenbaum MH. Arch Dermatol 103:725-6, Feb 71
Treatment of infective warts with small-pox vaccine--a preliminary report. Roychowdhury DS, et al. Bull Calcutta Sch Trop Med 17:115-6, Oct 69
Controlled intralesional deposition of a sclerotic agent in verruca therapy. Locke RK, et al. Int J Dermatol 9:278-82, Oct-Dec 70
The treatment of plantar warts in the home. A critical appraisal of a new preparation. Bunney MH, et al. Practitioner 207:197-204, Aug 71

ETIOLOGY

Verrucose sarcoidosis. Shmunes E, et al. Arch Dermatol 102:665-9, Dec 70
Wart viruses. Almeida JD, et al. Br J Dermatol 83:698-9, Dec 70
Possible clonal origin of common warts (Verruca vulgaris). Murray RF, et al. Nature (Lond) 232:51-2, 2 Jul 71
[Infection mode of verrucae vulgares and condylomata acuminata] Schnellen B. Z Allgemeinmed 46:1744-5, 20 Dec 70 (Ger)

IMMUNOLOGY

Antigens of human wart tissue. Pass F, et al. J Invest Dermatol 56:305-10, Apr 71

METABOLISM

[Uptake of tritiated thymidine in common warts, Shope papilloma and epidermodysplasia verruciformis] Delescluse C, et al. Ann Dermatol Syphiligr (Paris) 97:525-33, 1970 (Fre)

OCCURRENCE

Natural history of genital warts. Oriel JD. Br J Vener Dis 47:1-13, Feb 71
[Increase of plantar warts] Friederich HC. Hautarzt 21:480, Oct 70 (Ger)

PATHOLOGY

Papillomas (warts) in hairless mice. Mus musculus and Peromyscus maniculatus gambeli. Packchanian A, et al. Tex Rep Biol Med 28:565-80, Winter 70
[Epidermodysplasia verruciformis: ultrastructural and autoradiographic study] Grupper C, et al. Ann Dermatol Syphiligr (Paris) 98:33-47, 1971 (Fre)
[Diseases of the external female genital. 1. Verruca seborrhoica (verruca senilis, seborrhoic keratoses, pigmented papilloma, "basal cell papailloma"). 2. Melanoacenthoma] Grimmer H. Z Haut Geschlechtskr 45:151-60, 15 Nov 70 (Ger)

RADIOTHERAPY

[Radiation treatment of verruca juvenilis with special reference to its plantar form] Kautzky A. Strahlentherapie 140:630-8, Dec 70 (Ger)

SURGERY

Curettement of warts: liquid nitrogen anesthesia. Thompson RC. South Med J 64:471 passim, Apr 71

THERAPY

What is the best method in the use of ultrasound for the treatment of plantar warts? Griffin JE, et al. Phys Ther 51:82-3, Jan 71

WASSERMANN REACTION (E1)

False positive Wassermann reaction associated with evidence of enterovirus infection. Quaife RA, et al. J Clin Pathol 24:120-1, Mar 71
[Wassermann reaction and precipitation test in viral hepatitis] Proskuriakova NB. Lab Delo 11:695-7, 1970 (Rus)

INSTRUMENTATION

Automation of the Wassermann complement-fixation test using a discrete analyser. Glenn JH, et al. Br J Vener Dis 47:200-3, Jun 71

WASTE DISPOSAL, FLUID see under SEWAGE (G3)

WASTE DISPOSAL, SOLID see REFUSE DISPOSAL (G3)

WATER (D1, G3)

see also related MINERAL WATERS (J)

Bound water in physics and biology. Ernst E. Acta Biochim Biophys Acad Sci Hung 5:57-69, 1970
Water circulation caused by hindered diffusion and unequal distribution of solutes. Homola L. Acta Biochim Biophys Acad Sci Hung 5:365-71, 1970
Water evaporation from normal skin under different environmental conditions. Lamke LO, et al. Acta Derm Venereol (Stockh) 51:111-9, 1971
The fine structure of the stannius body of the guppy and its response to deionized water. Tomasulo JA, et al. Am J Anat 129:307-27, Nov 70
Water intake and urine output of mice during chronic centrifugation. Wunder CC, et al. Am J Physiol 221:559-63, Aug 71
Population dynamics of aquatic snails in three farm ponds of Puerto Rico. Jobin WR. Am J Trop Med Hyg 19:1038-48, Nov 70
Control of Biomphalaria glabrata in a small reservoir by fluctuation of the water level. Jobin WR. Am J Trop Med Hyg 19:1049-54, Nov 70
Reversed liquid-liquid partition in determination of polychlorinated biphenyl (PCB) and chlorinated pesticides in water. Ahling B, et al. Anal Chem 42:1483-6, Nov 70
Reactive transport of some toxic gases across the air-water interface. Nash T. Ann Occup Hyg 13:213-7, Dec 70
Stabilities of suspensions of influenza virus dried by sublimation of ice in vacuo to different contents of residual moisture and sealed under different gases. Greiff D. Appl Microbiol 20:935-8, Dec 70
New water disinfectant: an insoluble quaternary ammonium resin-triiodide combination that releases bactericide on demand. Taylor SL, et al. Appl Microbiol 20:720-2, Nov 70
Water and solute binding by proteins. II. Denaturants. Bull HB, et al. Arch Biochem Biophys 139:93-6, Jul 70
Binding of water and solute to DNA. Chattoraj DK, et al. Arch Biochem Biophys 142:363-70, Jan 71
The influence of water activity on the growth of Rhizoctonia solani. Dubé AJ, et al. Aust J Biol Sci 24:57-65, Feb 71
Extrusion of water in antigen-antibody reactions. Lowin S. Biochem J 118:37P, Jun 70
Role of bivalent cations in the phosphoglucomutase system. IV. A study of the Mn2+ binding site by means of nuclear relaxation measurements on water protons. Ray WJ Jr, et al. Biochemistry 9:3886-94, 29 Sep 70
On the identification of lamellar and hexagonal phases in negatively stained phospholipid-water systems. Tinker DO, et al. Biochemistry 10:860-5, 2 Mar 71
Microcalorimetric determination of tRNA hydration. Bakradze NG, et al. Biochim Biophys Acta 238:161-3, 29 Apr 71
Water diffusion in lecithin-water and lecithin-cholesterol-water lamellar phases at 22 degrees. Gary-Bobo CM, et al. Biochim Biophys Acta 233:243-6, 9 Mar 71
"Squiggle-H2O". An enquiry into the importance of solvation effects in phosphate ester and anhydride reactions. George P, et al. Biochim Biophys Acta 223:1-15, 3 Nov 70
Some peculiarities of water transport through plasticized nonporous membranes. Marian S, et al. Biophys J 10:901-10, Sep 70
Hydration of DNA: a neutron scattering study of oriented NaDNA. Dahlborg U. Biopolymers 10:849-63, 1971
Model of the orientation symmetry of water molecules in biopolymers (by NMR spectra). Khanagov AA. Biopolymers 10:789-94, 1971
Enthalpy-entropy compensation phenomena in water solutions of proteins and small molecules: a ubiquitous property of water. Lumry R, et al. Biopolymers 9:1125-227, 1970 (439 ref.)
Nature of the charge carriers in solvated biomacromolecules: DNA and water. Powell MR, et al. Biopolymers 9:1403-6, Nov 70
The skin and friction: deviations from Amonton's laws, and the effects of hydration and lubrication. Comaish S, et al. Br J Dermatol 84:37-43, Jan 71
Digestion and nitrogen metabolism in sheep and red deer given large or small amounts of water and protein. Maloiy GM, et al. Br J Nutr 24:843-55, Sep 70
Diffusion of drugs through stationary water layers as the rate limiting process in their action at membrane receptors. Cuthbert AW, et al. Br J Pharmacol 40:506-21, Nov 70
Effects of mechanical shaking and water tension on survival and distribution of fungal inoculum in glass microbead media. Dickinson CH, et al. Can J Microbiol 16:549-52, Jul 70
Sorption of water by spores, heat-killed spores, and vegetative cells. Grecz N, et al. Can J Microbiol 16:573-9, Jul 70
Sea water drinking and water flux in starved and in fed harbor seals, Phoca vitulina. Fisher HD, et al. Can J Physiol Pharmacol 49:53-62, Jan 71
Cutaneous and respiratory evaporation in the painted quail, Excalfactoria chinensis, during ontogeny of thermoregulation. Bernstein MH. Comp Biochem Physiol 38:611-7, 1 Mar 71
Rotation apparatus for shell-freezing. Lund DB, et al. Cryobiology 5:26-8, Jul-Aug 68
Assembly of microspheres from acidic proteinoids and histones or histone-like proteinoids. Miquel J, et al. Curr Mod Biol 3:299-306, Feb 71
The prototropic behavior of alpha-chymotrypsin and chymotrypsinogen in water and formaldehyde. An examination of the reactivity of the amino groups in formaldehyde. Marini MA, et al. Eur J Biochem 19:162-8, 11 Mar 71
Flow of water in the sclera. Fatt I, et al. Exp Eye Res 10:243-9, Oct 70
Flow conductivity of human corneal stroma. Fatt I, et al. Exp Eye Res 10:237-42, Oct 70
Water-contact behavior of chimpanzees. Angus S. Folia Primatol (Basel) 14:51-8, 1971
Could metals added to drinking water benefit the heart? Geriatrics 25:31-2, Nov 70
Temperature effects on the sorption of radionuclides by freshwater algae. Harvey RS. Health Phys 19:293-7, Aug 70
The attenuation of 14 MeV neutrons in water. Marshall TO. Health Phys 19:571-4, Oct 70
The neutron-shielding qualities of water-extended-polyesters. Oliver GD Jr, et al. Health Phys 19:578-80, Oct 70
Influence of salinity and temperature on the accumulation of cesium-137 by an estuarine clam under laboratory conditions. Wolfe DA, et al. Health Phys 18:499-505, May 70
Ambient-noise measurements at 30, 90, and 150 kHz in five ports. Anderson AL, et al. J Acoust Soc Am 49:Suppl 2:928+, Mar 71
Kinetic study of the hydration mechanism of vitamin B6 and related compounds. Ahrens ML, et al. J Am Chem Soc 92:6134-9, 21 Oct 70
Hydration of macromolecules. IV. Polypeptide conformation in frozen solutions. Kuntz ID. J Am Chem Soc 93:516-8, 27 Jan 71
Drinking of sulfate-water by cattle. Weeth HJ, et al. J Anim Sci 32:277-81, Feb 71
The effect of water activity on the heat resistance of heat sensitive and heat resistant strains of salmonellae. Baird-Parker AC, et al. J Appl Bacteriol 33:515-22, Sep 70
Effects of water intake on composition of thermal sweat in normal human volunteers. Cage GW, et al. J Appl Physiol 29:687-90, Nov 70
In vivo and in vitro determinations of body fat and body water in the hamster. Kodama AM. J Appl Physiol 31:218-22, Aug 71
Laboratory panel estimation of consumer assessments of taste and flavor. Bruvold WH. J Appl Psychol 54:326-30, Aug 70
Effects of D2O on the association-dissociation equilibrium in subunit proteins. Woodfin BM, et al. J Biol Chem 245:3733-7, 10 Aug 70
Relationship between total body water and surface area in normal and obese subjects. Hume R, et al. J Clin Pathol 24:234-8, Apr 71
Changes in state of water in proteinaceous systems. Berlin E, et al. J Colloid Interface Sci 34:488-94, Dec 70
Calorimetric study of water--DNA interactions. Chattoraj DK, et al. J Colloid Interface Sci 35:220-6, Feb 71
Macromolecule hydration and the effect of solutes on the cloud point of aqueous solutions of polyvinyl methyl ether: a possible model for protein denaturation and temperature control in homeothermic animals. Horne RA, et al. J Colloid Interface Sci 35:77-84, Jan 71
Nuclear magnetic resonance relaxation of water adsorbed on bacterial cell walls. Resing HA, et al. J Colloid Interface Sci 34:480-7, Dec 70
Long-range two-choice saccharin and water consumption in rats. Strouthes A. J Comp Physiol Psychol 73:123-34, Oct 70
Rated acceptability of mineral taste in water. 3. Contrast and position effects in quality scale ratings. Bruvold WH. J Exp Psychol 85:258-63, Aug 70
Effect of geometrical and chemical constraints on water flux across artificial membranes. Gary-Bobo CM, et al. J Gen Physiol 57:610-22, May 71
Oxygen consumption by mouse liver homogenate during drinking water arsenic exposure. I. Bencko V, et al.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

J Hyg Epidemiol Microbiol Immunol (Praha) 15:104-10, 1971

Distribution of Ca45 in the organs and tissue of white rats after prolonged consumption of water with an increased magnesium content. Kandror IS, et al. J Hyg Epidemiol Microbiol Immunol (Praha) 15:111-4, 1971

Common misconceptions in inhalation therapy. II. "Particulate water". Tysinger DS Jr. J Med Assoc State Ala 40:503-10, Feb 71

The effect of pulsating water jet lavage on experimental contaminated wounds. Gross A, et al. J Oral Surg 29:187-90, Mar 71

A histopathological study of tissue responses to the pulsar pulsating water pressure cleansing device. Lainson PA, et al. J Periodontol 42:101-4, Feb 71

A study of the force of water jets in relation to pain and damage to gingival tissues. Lobene RR. J Periodontol 42:166-9, Mar 71

The effect of antioxidants on the hydrolytic and oxidative degradation of sulphacetamide in aqueous solutions. Davies DJ, et al. J Pharm Pharmacol Suppl:43S+, Dec 70

Some observations of the penetration and disruption of tablets by water. Ganderton D, et al. J Pharm Pharmacol Suppl:95S+, Dec 70

Interactions in phenol-sodium dodecyl sulphate-water systems. Jacobs JJ, et al. J Pharm Pharmacol 23:148-9, Feb 71

The phase diagram of cetomacrogol 1000-water-benzaldehyde in the presence of gallate antioxidants. Nixon JR, et al. J Pharm Pharmacol 23:1-7, Jan 71

The influence of wet and dry granulation methods on the pore structure of lactose tablets. Selkirk AB, et al. J Pharm Pharmacol Suppl:86S+, Dec 70

Behavior of erythrocytes in various solvent systems. VI. Water-tetramethylurea. Cadwallader DE, et al. J Pharm Sci 59:1243-5, Sep 70

[Studies on solubilizing agents. 3. Properties of the mixtures of glycols and their derivatives with water. Kato Y. J Pharm Soc Jap 90:1464-6, Nov 70

Death rates of Salmonellae in fishmeals with different water activities. II. During heat treatment. Doesburg JJ, et al. J Sci Food Agric 21:636-40, Dec 70

Death rates of Salmonellae in fishmeals with different water activities. I. During storage. Doesburg JJ, et al. J Sci Food Agric 21:632-5, Dec 70

Role of water activity in the dry heat sterilization of micro-organisms. Brannen JP. J Theor Biol 32:331-4, Aug 71

Water structure as a determinant of ion distribution in living tissue. Wiggins PM. J Theor Biol 32:131-46, Jul 71

Polydipsia, hydrochlorothiazide, and water intoxication. Beresford HR. JAMA 214:879-83, 2 Nov 70

Effect of urea derivatives and analgetics on the permeability to water and electrical properties of the urinary bladder of the toad. Shirai D, et al. Jap Circ J 34:603-8, Jul 70

Effect of sulfonylureas on the permeability to water and electrical properties of the urinary bladder of the toad. Urakabe S, et al. Jap Circ J 34:595-601, Jul 70

Hematological observations of leukocytes collected by water method from bovine peripheral blood. Odajima M, et al. Jap J Vet Res 18:173-9, Dec 70

Comments on the physiological significance of the state of water. Zierler KL. Johns Hopkins Med J 128:115-6, Mar 71

Consumption of oxytetracycline in drinking water by healthy mice. Stunkard JA, et al. Lab Anim Sci 21:121-2, Feb 71

Drinking-water standards. Morag M, et al. Lancet 2:1079, 21 Nov 70

Water or alcohol? Noone P. Lancet 2:982, 7 Nov 70

River flora. Lancet 1:122, 16 Jan 71

Increase of (Na+ plus K+)-dependent ATPase activity in gills and kidneys of two euryhaline marine teleosts, Crenimugil labrosus (Risso, 1826) and Dicentrarchus labrax (Linnaeus, 1758), during adaptation to fresh water. Lasserre P. Life Sci [II] 10:113-9, 22 Jan 71

A salt water aspiration syndrome. Edmonds C. Milit Med 135:779-85, Sep 70

The assessment of body water and fatness from infancy to adulthood. Mellits ED, et al. Monogr Soc Res Child Dev 35:12-26, Oct 70

Invasion of sorghum seed by storage fungi at moisture contents of 13.5-15 percent and condition of samples from commercial bins. Christensen CM. Mycopathol Mycol Appl 44:277-82, 28 May 71

Control of water movement in flounder urinary bladder by prolactin. Hirano T, et al. Nature (Lond) 230:469-70, 16 Apr 71

Water in biological systems. Tait MJ, et al. Nature (Lond) 230:91-4, 12 Mar 71 (83 ref.)

Water surface energy contribution to adherence of hydrophobic groups in relation to stability of protein conformations. Lewin S. Nature [New Biol] 231:80-1, 19 May 71

Water stress and apical dominance in Pisum sativum. McIntyre GI. Nature [New Biol] 230:87-8, 17 Mar 71

Reverse osmosis as a method of preparing dialysis water. Madsen RF, et al. Nephron 7:545-58, 1970

The benign effects on rabbits' lungs of the aspiration of water compared with 5 per cent glucose or milk. Olson M. Pediatrics 46:538-47, Oct 70

Biology and pathology of water. Szent-Györgyi A. Perspect Biol Med 14:239-49, Winter 71

Surface area measurements in compressed powder systems. Armstrong NA, et al. Pharm Acta Helv 45:583-8, Sep 70

Proton nuclear magnetic resonance studies of myoglobin in H2O. Patel DJ, et al. Proc Natl Acad Sci USA 67:1109-15, Nov 70

Hemolysis under high hydrostatic pressure. Fenn WO, et al. Proc Soc Exp Biol Med 137:847-51, Jul 71

Relationship between size of bolus and the act of swallowing on esophageal peristalsis in dogs. Jordan PH Jr, et al. Proc Soc Exp Biol Med 137:868-71, Jul 71

Size and distance judgements in the vertical plane under water. Ross HE, et al. Psychol Forsch 33:155-64, 1970

Intraventricular infusion of ethanol in dogs. Effect on voluntary alcohol intake. Jones BE, et al. Q J Stud Alcohol 31:288-92, Jun 70

The rate of approach to equilibrium in uncatalyzed CO2 hydration reactions: the theoretical effect of buffering capacity. Gray BA. Resp Physiol 11:223-34, Jan 71

Nematodes from the banks of still and running waters. IX. Two new genera belonging to subfamily Diplogasterinae micoletzky from India. Khera S. Rev Bras Biol 30:405-9, Sep 70

An apparatus for thermometric determination of the activity of water in solutions and in biological fluids. Rasmussen J. Scand J Clin Lab Invest 26:199-208, Nov 70

An instrument for estimating evaporation from small skin surfaces. Lamke LO. Scand J Plast Reconstr Surg 4:1-7, 1970

The state of water in red cells. Solomon AK. Sci Am 224:88-96, Feb 71

Taste of water in the cat: effects on sucrose preference. Bartoshuk LM, et al. Science 171:699-701, 19 Feb 71

Collagen: mobile water content of frozen fibers. Dehl RE. Science 170:738-9, 13 Nov 70

Water and life. Robinson JR. World Rev Nutr Diet 12:172-207, 1970 (65 ref.)

[Sterilization and sterile preparations in pharmacy. 8. Water as a vehicle for sterile drugs] Burelová A, et al. Cesk Farm 19:312-8, Oct 70 (Cse)

[Measurement of the hydrophilic-lipophilic balance of an emulsifying agent by a method based on phase inversion. The concept of "hydrophilic-lipophilic balance, inversion limit" and its applications] Blonchard P. Ann Pharm Fr 28:553-60, Sep-Oct 70 (Fre)

[Adsorbing power of water and oil normally used in powder ingredients] Van Caneghem P, et al. Arch Belg Dermatol Syphiligr 25:459-64, Oct-Dec 69 (Fre)

[Can one contract ancylostomiasis in an aquatic environment?] Brumpt LC, et al. Bull Soc Pathol Exot 63:363-7, May-Jun 70 (Fre)

[Differential enthalpic analysis of systems dipalmitoyl lecithin-steroids-water] Monniot E, et al. C R Acad Sci [D] (Paris) 273:101-4, 5 Jul 71 (Fre)

[Importance of water quantity in infant nutrition, especially in the fight against obesity] Du Pan M. Pediatrie 23:295-309, Apr-May 68 (Fre)

["Red tide" phenomena] Ehrhardt JP. Rev Corps Sante Armees 9:333-50, Jun 68 (Fre)

[Experimental studies on human thermoregulation in cold sea baths] Piriet K. Arch Phys Ther (Leips) 21:41-9, Jan-Feb 69 (Ger)

[Total body water, rhodanide space and I-131-albumin space under the acute effect of furosemide] Scholz HR, et al. Arzneim Forsch 20:1249-51, Sep 70 (Ger)

[Hydration and secondary structure of synthetic polynucleotides with a double helix] Zirwer D, et al. Experientia 27:22-4, 15 Jan 71 (Ger)

[Preferred drinking water temperature of pigs] Steinhardt M, et al. Monatsh Vet Med 26:144-7, 15 Feb 71 (Ger)

[Sterile water equipment for the office and clinic] Bressel M, et al. Urologe 8:335-6, Nov-Dec 69 (Ger)

[Is the damage done to the soil microflora by seawater flodding the cause of persistent disturbances of the soil structure?] Harmsen GW. Zentralbl Bakteriol [Naturwiss] 124:369-75, 1970 (Ger)

[Xerobiological investigations on bacteria. II. Direct drying and freeze-drying of Pseudomonas aeruginosa, Staphylococcus aureus and Escherichia coli] Sturdza SA. Zentralbl Bakteriol [Orig] 216:360-9, 1971 (Ger)

[Hydrotubation in the treatment of tubal sterility] Salomy M, et al. Harefuah 78:186-91, 15 Feb 70 (Heb)

[Some problems of the formation of oil-water emulsion systems and their aging processes. I. Studies of the emulsion forming properties of model emulsifying systems] Pandula E, et al. Acta Pharm Hung 40:211-6, 1970 (Hun)

[Fine structure of the digested retinal vessels] Fukuda M, et al. Acta Soc Ophthalmol Jap 75:471-84, 20 Jan 71 (Jap)

[Studies on solubilizing agents. II. Properties of the mixtures of glycols and their derivatives with water] Kato Y, et al. J Pharm Soc Jap 90:1187-92, Oct 70 (Jap)

[Physicochemical studies on adsorption of monocetyl phosphate salts at the water surface] Nakagaki M, et al. J Pharm Soc Jap 90:1118-25, Sep 70 (Jap)

[Gelation of aqueous dispersed system of guanosine in the presence of a borate] Okano T, et al. J Pharm Soc Jap 90:1542-8, Dec 70 (Jap)

[Kinetic studies on hydrolysis of acetylsalicylic acid in binary systems of water and organic solvents] Watanabe K. J Pharm Soc Jap 90:1570-3, Dec 70 (Jap)

[Auditory canal water tolerance test] Onchi Y. Jap J Clin Med 23:2840-3, Dec 70 (Jap)

[Receptor mechanism in the chemoreceptor of the frog tongue. 2. Water response and the role of anions] Nomura H, et al. Med Biol (Tokyo) 81:73-6, 10 Aug 70 (Jap)

[The importance of floods in the spreading of schistosomiasis mansoni] Ramos A da S, et al. Rev Saude Publica 4:1-5, Jun 70 (Por)

[Study of some physico-chemical properties of novobiocin] Bakaeva RM, et al. Antibiotiki 15:985-8, Nov 70 (Rus)

[Seignettoelectric properties of intracellular water and their significance in magnetobiology] Dudoladov AG, et al. Biofizika 16:547-50, May-Jun 71 (Rus)

[Propagation velocity of ultrasonic waves in aqueous solutions of nucleic acids (state of water near macromolecules)] El'piner IE, et al. Biofizika 15:396-9, May-Jun 70 (Rus)

[Spin-echo study of proton relaxation in plant tissues] Fedotov VD, et al. Biofizika 14:873-82, Sep-Oct 69 (Rus)

[Water state in substances participating in photosynthesis] Kariakin AV, et al. Biofizika 14:240-4, Mar-Apr 69 (Rus)

[Effect of small additions of nonelectrolytes on the infrared spectrum of water] Khaloimov AI, et al. Biofizika 15:534-6, May-Jun 70 (Rus)

[Hydrogen distribution and the form of the water molecule bond in collagen] Khanagov AA, et al. Biofizika 14:796-801, Sep-Oct 69 (Rus)

[Study of the solubility of nonpolar amino acids in light and heavy water in relation to the heat stability of proteins] Klimov AI, et al. Biofizika 16:556-60, May-Jun 71 (Rus)

[Relaxation properties of bound water] Kobushkin PK, et al. Biofizika 15:536-9, May-Jun 70 (Rus)

[Effect of water vapor and organic electron-donor and electron-acceptor molecules on chlorophyll-sensitized photoconductance of RNA] Putsenko EK. Biofizika 14:810-8, Sep-Oct 69 (Rus)

[Detection by the paramagnetic probe method of new structural transformations in the DNA-water system with temperature changes] Sukhorukov BI, et al. Biofizika 15:539-41, May-Jun 70 (Rus)

[Effect of moisture on the processes of photochemical reduction of chlorophyll and pheophytin] Usacheva MN, et al. Biofizika 16:195-200, Mar-Apr 71 (Rus)

[Spectral studies of chemiluminescent biphasic protein-water-fatty acid systems] Zhuraviev AI, et al. Biofizika 15:416-20, May-Jun 70 (Rus)

[Photoreduction of aqueous solutions of quinoid compounds] Zolotovitskiĭ IaM, et al. Biofizika 15:425-31, May-Jun 70 (Rus)

[Formation of the OH radical during the sensitized photooxidation of water] Chibisov AK, et al. Dokl Akad Nauk SSSR 187:142-5, 1 Jul 69 (Rus)

[Interaction of chlorophyll with water] Slavnova TD, et al. Dokl Akad Nauk SSSR 194:957-60, 1 Oct 70 (Rus)

[Effect of occupational damp cooling on gastric function] Sidorenkov OK. Gig Tr Prof Zabol 15:21-4, 1971 (Rus)

[A study of water-repellent properties of some preparations used for covering fillings] Gorovoĭ BIa, et al. Stomatologiia (Mosk) 49:91-2, Jul-Aug 70 (Rus)

[Veterinary medical measures in irrigation of arid land areas] Aleksandrov NA. Veterinariia 9:23-5, Sep 70 (Rus)

[Obtaining apyrogenic water using ion-exchange resins] Okunev RA, et al. Voen Med Zh 7:41-3, Jul 70 (Rus)

[The effect of water-salt regimen on the growth of transplantable tumors and the activity of antineoplastic drugs] Pashinskiĭ VG. Vopr Onkol 17:77-80, 1971 (Rus)

[States of organisms and some problems of biology] Goldovskiĭ AM. Zh Obshch Biol 31:316-28, May-Jun 70 (Rus)

[Preparation of demineralized water for parenteral solutions] Pilipović I, et al. Vojnosanit Pregl 27:333-5, Jul-Aug 70 (Cro)

ADMINISTRATION & DOSAGE

Parenteral water and electrolyte solution. Med Lett Drugs Ther 12:77-80, 18 Sep 70

ADVERSE EFFECTS

[The dangers of drinking sea water] Prensa Med Mex 33:23-5, Jan-Feb 68 (Spa)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

ANALYSIS

The dielectric characteristics of bound water. Maszzi G. Acta Biochim Biophys Acad Sci Hung 5:321-31, 1970
Variation in total body water with muscle glycogen changes in man. Olsson KE, et al. Acta Physiol Scand 80:11-8, Sep 70
Correlation of thermal properties of some human tissue with water content. Cooper TE, et al. Aerosp Med 42:24-7, Jan 71
The analysis of mercury in urine, blood, water, and air. Krause LA, et al. Am Ind Hyg Assoc J 32:331-7, May 71
Modification of a laboratory deionizer to measure water purity with an external probe. Sharton HH. Am J Med Technol 37:186-7, May 71
Carcass water, fat, and chloride in the fetal growth-retarded rat. Lugo G, et al. Am J Obstet Gynecol 110:358-61, 1 Jun 71
Saponification reaction and the determination of water. Glass SL. Anal Biochem 37:219-24, Sep 70
Determination of mercury in natural waters and effluents by flameless atomic absorption spectrophotometry. Omang SH. Anal Chim Acta 53:415-9, Feb 71
Evaluation of a laboratory means of estimating respiratory water loss using the T-piece system. Welsh B, et al. Anesth Analg (Cleve) 50:103-8, Jan-Feb 71
Hydration of macromolecules. II. Effects of urea on protein hydration. Kuntz ID Jr, et al. Arch Biochem Biophys 142:660-4, Feb 71
Muscle biopsy measurement of body water and intracellular electrolytes in children. Graham JA, et al. Arch Dis Child 45:473-7, Aug 70
Tissue cadmium and water content of normal and cadmium hypertensive rabbits. Fischer GM, et al. Arch Environ Health 23:107-10, Aug 71
Periventricular water content. Effect of pressure in experimental chronic hydrocephalus. Lux WE Jr, et al. Arch Neurol 23:475-9, Nov 70
Effects of open and closed decompression on the water content and motility of experimentally obstructed small bowel in the rabbit. Shields MA, et al. Br J Surg 58:337-9, May 71
Etiology of caries in Papua-New Guinea. Associations in soil, food and water. Barmes DE, et al. Bull WHO 43:769-84, 1970
Respiratory water and heat loss of the black duck during flight at different ambient temperatures. Berger M, et al. Can J Zool 49:767-74, May 71
Monitoring de-ionized water. Inman SR, et al. Clin Chem 17:831-2, Aug 71
Absence of unfrozen freezable water in rapidly frozen red cells. Meryman HT. Cryobiology 7:252-5, Nov-Dec 70
Freeze drying and residual moisture. Seligmann EB Jr, et al. Cryobiology 8:138-44, Apr 71
Thermoanalytical investigations on the age-related changes in articular cartilage, meniscus and tendon. Bihari-Varga M, et al. Gerontologia 17:2-15, 1971
Concentration of trace elements in environmental water samples with a centrifugal contactor. Milham RC, et al. Health Phys 20:91-3, Jan 71
Water-CO2 exchange set-up for the routine 18oxygen assay of natural waters. Roether W. Int J Appl Radiat Isot 21:379-87, Jul 70
Experimental rehydration of cryopreserved corneal tissue. Edelhauser HF, et al. Invest Ophthalmol 10:100-7, Feb 71
Cation changes in the lens and aqueous during the induction of acute reversible lens opacity in the hamster. Peterson LH. Invest Ophthalmol 10:147-50, Feb 71
Electrolyte, water and urea content of dog kidney in acute salt depletion. Khoyi MA, et al. Isr J Med Sci 6:351-7, May-Jun 70
Distribution of water and glycosaminoglycans in different layers of cattle articular cartilage. Lemperg RK, et al. Isr J Med Sci 7:419-21, Mar 71
Electronic compensation of the effects of water vapor in respiratory mass spectrometry. Scheid P, et al. J Appl Physiol 30:258-60, Feb 71
The concentrations of water, sodium and potassium in the nucleus and cytoplasm of amphibian oocytes. Century TJ, et al. J Cell Sci 7:5-13, Jul 70
Endemic goiter in Greece: some new epidemiologic studies. Malamos B, et al. J Clin Endocrinol Metab 32:130-9, Feb 71
Solvent water for electrolytes in the muscle fiber of the giant barnacle. Hinke JA. J Gen Physiol 56:521-41, Oct 70
Measurement of water vapor loss through human nail in vivo. Spruit D. J Invest Dermatol 56:359-61, May 71
Free and bound water in crude drugs: effect of extraction method on subsequent analysis by GLC. Mary NY. J Pharm Sci 60:1417-9, Sep 71
Control of water content of non-metabolizing kidney slices by sodium chloride and polyethylene glycol (PEG 6000). Robinson JR. J Physiol (Lond) 213:227-34, Feb 71
Simultaneous determination of fat, moisture, defatted dry matter and ash in meat, fish and biological materials. Lunder TL. Lab Pract 20:572-3, Jul 71
The water story. Crawford MD, et al. Lancet 1:916-7, 1 May 71
New method for measuring density of seawater. Kremling K. Nature (Lond) 229:109-10, 8 Jan 71
Changes in Moskva River. Nature (Lond) 228:305, 24 Oct 70
The quantitative determination of water in potassium phenoxymethylpenicillin tablets. Rasmussen KE, et al. Pharm Acta Helv 46:53-9, Jan 71
Brain water: regional changes during the estrous cycle in the rat. Litteria M, et al. Proc Soc Exp Biol Med 136:73-4, Jan 71
Direct and indirect measurement of total body water in the growing beagle. Sheng HP, et al. Proc Soc Exp Biol Med 137:1093-9, Jul 71
Statistical limits of accuracy and precision of gross alpha and beta radioactivity measurements in water. Baratta EJ, et al. Radiol Health Data Rep 12:195-8, Apr 71
Steam film sampling of water for mass spectrometric analysis of the deuterium content. Thurston WM. Rev Sci Instrum 42:700-3, May 71
Nutrients in Lake Erie. Rosenblum SM, et al. Science 172:1294-5, 25 Jun 71
"Polywater" and sweat:similarities between the infrared spectra. Rousseau DL. Science 171:170-2, 15 Jan 71
Pesticide concentration in seawater. Seba DB, et al. Science 171:928, 5 Mar 71
Arsenic in potable desert groundwater: an analysis problem. Whitnack GC, et al. Science 171:383-5, 29 Jan 71
[Comparison of 2 different methods permitting to determine the presence of organic substances in deionized water for tissue cultures] Heger J. Cesk Epidemiol Mikrobiol Imunol 20:153-5, May 71 (Cze)
[Gas chromatographic determination of the water and ethanol content of tinctures] Huisman TJ, et al. Pharm Weekbl 106:282-92, 19 Mar 71 (Dut)
[Intracellular concentrations and ionic relative permeabilities of cell membrane of isolated and perfused rat liver] Claret M, et al. C R Acad Sci [D] (Paris) 272:1123-5, 22 Feb 71 (Fre)
[Water-electrolyte changes produced in mouse tissues by toxic doses of ethanol] Thomas HM, et al. Food Cosmet Toxicol 6:33-8, Jun 68 (Fre)
[Microrderetermination of water in biological and pharmaceutical research] Maher N, et al. Rev Can Biol 29:321-4, Sep 70 (Fre)
[A quick method of determining traces of chlorinated hydrocarbon insecticides in water] Herzel F. Arch Hyg Bakteriol 154:18-20, Jun 70 (Ger)
[Interference-microscopic study of dry weight and water content in bronchial epithelial cells in rabbits after Co60-gamma irradiation] Nikulin A, et al. Beitr Pathol 142:235-43, 1971 (Ger)
[Skin constitution and cosmetics] Schneider W. Cosmetologica 19:231-6, 20 Jul 70 (Ger)
[Relation between enzyme activities and metabolite contents in the blood before and following exertion and the water content of meat in pigs] Bickhardt K. Dtsch Tieraerztl Wochenschr 77:535-8, 15 Oct 70 (Ger)
[Determination of the 234U-238U ratio in samples of natural water] Sxy D, et al. Mikrochim Acta 5:960-4, 1970 (Ger)
[The anomalous structure of the water] Peschel G, et al. Mitt Dtsch Pharm Ges 41:29-54, Feb 71 (65 ref.) (Ger)
[Calculation of the association between the carbon dioxide content and pH value of distilled water] Reuter W, et al. Pharm Prax 11:250-2, 1970 (Ger)
[Problems in the examination of aqua] Schlott D. Pharm Prax 8:185-6, 1970 (Ger)
[Direct electrometric determination of fluoride in drinking water from deep wells] Paletta B, et al. Wien Med Wochenschr 120:32-3, 17 Jan 70 (Ger)
[Age dependency on the degree of mineralization of compact bone substance] Vinz H. Z Alternsforsch 23:353-9, 1971 (Ger)
[Removal of nitrate ions from nitrate containing test solutions with an ion exchanger (condensing resin: trimethylol melamine and dichlorodimethoxysilan)] Thielemann H. Z Gesamte Hyg 16:574-6, Aug 70 (Ger)
[Changes in the contents of water, sodium and potassium in the large intestine of cattle and sheep] Pfeffer E, et al. Z Tierphysiol 25:344-50, Dec 69 (Ger)
[Dielectrometric method for the determination of water in glycerin] Götz M, et al. Acta Pharm Hung 41:129-33, 1971 (Hun)
[Dielectric determination of humidity content of pharmaceutical granules] Stampf G, et al. Acta Pharm Hung 41:123-8, 1971 (Hun)
[Oral cancer and trace elements in drinking water] Ivánkievicz D, et al. Fogorv Sz 63:321-5, Nov 70 (Hun)
[Physico-chemical studies of the water of bovine crystalline lens capsule. II] Isayama Y, et al. Folia Ophthalmol Jap 22:213-8, Apr 71 (Jap)
[Water content in the intervertebral disk] Arima T. J Jap Orthop Assoc 44:571-87, Aug 70 (Jap)
[Changes in pulmonary water content and histopathological findings of the lung by various types of assisted circulation] Mizuno M. Jap Circ J 35:677-98, Jun 71 (Jap)
[Applicability of gamranityt ion exchangers and SD cations exchanger in the preparation of aqua pro injectionis] Budziszewski A. Acta Pol Pharm 27:493-500, 1970 (Pol)
[Utilization of pesticide concentrates of Polish manufacture as analytical standards for the determination of DDT, DMDT and gamma-HCH in water and soil] Luczak J, et al. Rocz Panstw Zakl Hig 21:267-72, 1970 (Pol)
[Hygroscopic properties of different drug preparations of erythromycin] Kostareva MG. Antibiotiki 16:312-5, 1971 (Rus)
[Conditions for papaverine extraction from aqueous solutions by organic solvents depending on the pH of the medium] Shvydkiĭ BI, et al. Farmatsiia 20:49-51, 1971 (Rus)
[Conditions for extraction of ethylmorphine from aqueous solutions by organic solvents depending on the pH of the medium] Shvydkiĭ BI, et al. Farmatsiia 20:38-41, Mar-Apr 71 (Rus)
[Hygienic assessment of the trace elements in drinking water obtained by partial desalination] Nikolaeva TA, et al. Gig Sanit 35:11-4, Nov 70 (Rus)
[The distribution of fluorine and water in the enamel of healthy and carious human teeth] Zenovskiĭ VP. Stomatologiia (Mosk) 49:9-12, Sep-Oct 70 (Rus)

BLOOD

The influence of acids on the activity of water in plasma. Rasmussen J. Scand J Clin Lab Invest 26:209-19, Nov 70

DIAGNOSTIC USE

Pupillary flow in the water provocation test. Wiebert O. Acta Ophthalmol (Kbh) 49:317-27, 1971
Perfusion heterogeneity in skeletal muscle using tritiated water. Paradise NF, et al. Am J Physiol 220:1107-15, Apr 71
Water provocative test for glaucoma: range of normal tonometric responses of the canine eye. Lovekin LG. Am J Vet Res 32:1179-83, Aug 71
The value of water-loading test in pitressin hydration method as a clinical-electroencephalographic test in epilepsy. Strzyżewski W. Pol Med J 9:996-1003, 1970
[Water load test in patients with diencephalopituitary nanism] Kopecký A. Cesk Pediatr 26:178-80, Apr 71 (Cze)
[Water loading test and hypertonic saline loading test] Murase T, et al. Jap J Clin Med 28:2741-5, Dec 70 (Jap)

METABOLISM

Total exchange and insensible loss of water in severe burns during the first two weeks. Birke G, et al. Acta Chir Scand 136:125-32, 1970
Determination of total body water and its turn over rate. A methodological study with tritium-labeled water. Olsson KE. Acta Chir Scand 136:647-56, 1970
The distribution of tritium water in the total body water. An experimental study on man and rabbit. Olsson KE, et al. Acta Chir Scand 136:657-63, 1970
Regeneration of human epidermal surface and water barrier function after stripping. A combined study with electron microscopy and measurement of evaporative loss. Eriksson G, et al. Acta Derm Venereol (Stockh) 51:169-78, 1971
Water metabolism in the hypophysectomized Brattleboro (DI) rat. Bauman JW Jr, et al. Acta Endocrinol (Kbh) 61:720-8, Aug 69
Effect of somatotrophic and synthetic adrenocorticotrophic hormone on water metabolism of hypophysectomized rats. László FA, et al. Acta Endocrinol [Suppl] (Kbh) 155:47, 1971
The insensible water loss of the newborn infant. Zweymüller E, et al. Acta Paediatr Scand [Suppl] 205:Suppl 205:1+, 1970
Uptake of water, sodium and glucose by the ductuli efferentes of the hamster "in vitro". Montorzi NM, et al. Acta Physiol Lat Am 20:135-9, 1970
Salt and water reabsorption by short loops of Henle during renal vein constriction. Anagnostopoulos T, et al. Am J Physiol 220:1060-6, Apr 71
Prolonged water diuresis affecting solutes and interstitial cells of renal papilla. Azar S, et al. Am J Physiol 221:75-9, Jul 71
Quantitation of urinary precession of water, potassium, and other solutes. Banks RO, et al. Am J Physiol 220:1325-31, May 71
Limitation of diffusion by blood flow through bovine ruminal epithelium. Dobson A, et al. Am J Physiol 220:1337-43, May 71
Effect of prostaglandin E1 on sodium transport and osmotic water flow in the toad bladder. Lipson LC, et al. Am J Physiol 220:1046-52, Apr 71
Micropuncture study of excretion of water and electrolytes by the pancreas. Mangos JA, et al. Am J Physiol 221:496-503, Aug 71
Dissociation of diencephalic mechanisms controlling water intake and water retention in the rat. Mendelson J, et al. Am J Physiol 220:1768-74, Jun 71
Rabbit cholera: relation of transmural potentials to

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

water and electrolyte fluxes. Moritz M, et al. Am J Physiol 221:19-24, Jul 71
Ouabain-insensitive effects of metabolism on ion and water content of red blood cells. Parker JC. Am J Physiol 221:338-42, Jul 71
Relation between water flux and content in frog gastric mucosa. Villegas L, et al. Am J Physiol 220:1282-8, May 71
Adsorption of sodium and water by collagen during hemorrhagic shock. Fulton RL. Ann Surg 172:361-9, Nov 70
Radio-chloride (38 Cl) as a continuous monitor of ECW in the dog. Swan H, et al. Ann Surg 174:287-95, Aug 71
Effect of water activity on enterotoxin B production and growth of Staphylococcus aureus. Troller JA. Appl Microbiol 21:435-9, Mar 71
Measurement of oxygen consumption and evaporative water loss in infants with congenital heart disease. Kennaird DL, et al. Arch Dis Child 45:818, Dec 70
The insensible loss of water of the newborn infant. Zweymüller E. Arch Dis Child 45:818, Dec 70
Absorption of water and electrolytes from the large intestine of sheep. Hecker JF, et al. Aust J Biol Sci 24:365-72, Apr 71
Water uptake and energy metabolism in brain slices from the rat. Okamoto K, et al. Biochem J 120:25-36, Nov 70
Tetrodotoxin-sensitive uptake of ions and water by slices of rat brain in vitro. Okamoto K, et al. Biochem J 120:37-47, Nov 70
Role of adenosine 3':5'-cyclic monophosphate in the action of octapeptide hormones. Wright DW, et al. Biochem J 120:10P-11P, Dec 70
Pulsed NMR study of water mobility in muscle and brain tissue. Hansen JR. Biochim Biophys Acta 230:482-6, 1971
Inhibition of water and solute permeability in human red cells. Macey RI, et al. Biochim Biophys Acta 211:104-6, 7 Jul 70
The diurnal variation of water vapour loss from the skin in relation to temperature. Spruit D. Br J Dermatol 84:66-70, Jan 71
Some effects of Escherichia coli enterotoxin on fluid and electrolyte transfer in calf small intestine. Bywater RJ, et al. Br J Pharmacol 40:168P+, Sep 70
Jejunal permeability to sodium, potassium, and water immediately after surgery. Bunch GA, et al. Br J Surg 57:862, Nov 70
The effect of operation on the intestinal handling of water, sodium, and potassium. Grace RH, et al. Br J Surg 57:862-3, Nov 70
Impaired water handling in chronic obstructive airways disease. White RJ, et al. Br Med J 2:561-3, 5 Jun 71
Humidity in anaesthesiology. IV. Determination of the alveolar humidity and temperature in the dog. Déry R. Can Anaesth Soc J 18:145-51, Mar 71
Gas-induced osmosis as a factor influencing the distribution of body water. Hills BA. Clin Sci 40:175-91, Feb 71
Nitrogen and water excretion of wallabies: differences between field and laboratory findings. Barker S. Comp Biochem Physiol 38:359-67, 1 Feb 71
Water and ion movements across the gas bladder of two physostomous fresh-water teleosts. Graham CR Jr, et al. Comp Biochem Physiol 25:937-42, Jun 68
The role of the urinary bladder in salt and water metabolism of the toad, Bufo marinus. Middler SA, et al. Comp Biochem Physiol 26:57-68, Jul 68
Energy metabolism and body water turnover rates of two species of free-living kangaroo rats, Dipodomys merriami and Dipodomys microps. Mullen RK. Comp Biochem Physiol 39:379-90, 1 Jul 71
The effect of a standardized 'skin insult' on transepidermal water loss from clinically resolved dermatitic skin. Raffle EJ, et al. Dermatologica 141:208-14, 1970
The interference of some substances with the water vapour loss of human skin. Spruit D. Dermatologica 142:89-92, 1971
The water-barrier of stripped and normal skin. Spruit D. Dermatologica 141:54-9, 1970
Intestinal absorption of sugars, water and sodium in alloxan diabetic rats. Levinson RA, et al. Diabetes 19:683-7, Oct 70
Plasma cortisol concentration and the rate of intestinal water absorption in the eel, Anguilla japonica. Hirano T, et al. Endocrinol Jap 17:47-52, Feb 71
Glycogen and water responses to estrogen in the hamster reproductive tract. Gregoire AT, et al. Endocrinology 87:1369-72, Dec 70
Diaminodurene-induced plastocyanin dependent oxygen uptake and its relation to photophosphorylation in isolated lettuce chloroplasts. A comparison of the systems using either water or ascorbate as the electron donors. Gromet-Elhanan Z, et al. Eur J Biochem 17:523-8, Dec 70
The effects of delta-amino-laevulinic acid on sodium and water movement across frog skin. Eales L, et al. Experientia 27:276-7, 15 Mar 71
Mode of water transport in mammalian renal collecting tubules. Grantham JJ. Fed Proc 30:14-21, Jan-Feb 71
Local osmotic gradients in the rectal pads of an insect. Wall BJ. Fed Proc 30:42-8, Jan-Feb 71
Sodium and water movement across the urinary bladder of a urodele amphibian (th mudpuppy Necturus maculosus): studies and vasotocin and aldosterone. Bentley PJ. Gen Comp Endocrinol 16:356-62, Apr 71
Effects of adrenalectomy and cortisol injection on the in vitro movement of water by the intestine of the freshwater European eel (Anguilla anguilla L.). Gaitskell RE, et al. Gen Comp Endocrinol 15:491-3, Dec 70
Age changes in body water and fat in fetal and infant mammals. Adolph EF, et al. Growth 35:55-63, Mar 71
The effect of vagotomy on the intestinal transport of water and electrolytes. Bunch GA, et al. Gut 11:1061, Dec 70
Sodium, potassium, and water absorption by normal human rectum. Edmonds CJ. Gut 11:1057, Dec 70
Absorption of glucose, sodium, and water by the human jejunum studied by intestinal perfusion with a proximal occluding balloon and at variable flow rates. Modigliani R, et al. Gut 12:184-93, Mar 71
Effect of glycine and glucose on sodium and water adsorption in patients with cholera. Nalin DR, et al. Gut 11:768-72, Sep 70
Water permeability of cat corneal endothelium in vitro. Rhee SW, et al. Invest Ophthalmol 10:288-93, Apr 71
Role of salivary glands in response to thirst stimuli. Gutman Y, et al. Isr J Med Sci 6:573-5, Jul-Aug 70
Total body solids loss as a measure of a short-term heat stress in cattle. Kamal TH, et al. J Anim Sci 32:307-11, Feb 71
Venous admixture and lung water in healthy subjects over 50 years of age. Bristow GK, et al. J Appl Physiol 30:552-7, Apr 71
Water and electrolyte metabolism in skeletal muscle of exercising rats. Körge P, et al. J Appl Physiol 31:1-4, Jul 71
Water and electrolyte metabolism in myocardium of exercising rats. Körge P, et al. J Appl Physiol 31:5-7, Jul 71
Water metabolism in humans during acute high-altitude exposure (4,300 m). Krzywicki HJ, et al. J Appl Physiol 30:806-9, Jun 71
Dielectric study of the physical state of electrolytes and water within Bacillus cereus spores. Carstensen EL, et al. J Bacteriol 107:106-13, Jul 71
Correlation between pinocytosis and hydroosmosis induced by neurohypophyseal hormones and mediated by adenosine 3',5'-cyclic monophosphate. Masur SK, et al. J Cell Biol 49:582-94, Jun 71
Activation energy for water diffusion across the toad bladder: evidence against the pore enlargement hypothesis. Hays RM, et al. J Clin Invest 50:1016-8, May 71
Characteristics of NaCl and water transport in the renal proximal tubule. Kokko JP, et al. J Clin Invest 50:69-76, Jan 71
Water and electrolyte distribution in rat and guinea-pig thyroid glands. Chow SY, et al. J Endocrinol 50:561-76, Aug 71
Correlation of water and electrolyte distribution in the thyroid gland with its functional state in rats and guinea-pigs. Chow SY, et al. J Endocrinol 50:577-88, Aug 71
Intestinal absorption in the duck (Anas platyrhyncos) maintained on fresh water and hypertonic saline. Crocker AD, et al. J Endocrinol 49:18-9, Mar 71
Water transfer across membranes. Ferguson DR, et al. J Endocrinol 50:8-9, Jul 71
The neurohypophysis and water metabolism. Heller H. J Endocrinol 50:3-4, Jul 71
The effects of ovarian hormones on the activity of the adrenal cortex and on water and sodium transport. Hinsull SM, et al. J Endocrinol 48:ixxix+, Dec 70
Diurnal rhythms in relation to water metabolism. Mills JN. J Endocrinol 50:vi, Jul 71
The effect of adrenalectomy on salt and water metabolism in the duck. Thomas DH, et al. J Endocrinol 50:7-8, Jul 71
Factors influencing water reabsorption in the rat kidney. Thomas S. J Endocrinol 50:v-vi, Jul 71
The effect of chlorpropamide and related compounds on water transport across the toad bladder. Wales JK. J Endocrinol 49:551-2, Mar 71
The control of water loss in desert tenebrionid beetles. Ahearn GA. J Exp Biol 53:573-95, Dec 70
Water flow and gas exchange at the gills of rainbow trout, Salmo gairdneri. Davis JC, et al. J Exp Biol 54:1-18, Feb 71
Water relations of the desert scorpion, Hadrurus arizonensis. Hadley NF. J Exp Biol 53:547-58, Dec 70
Jejunal absorption of water and electrolytes in inflammatory bowel disease. Binder HJ, et al. J Lab Clin Med 76:915-24, Dec 70
Water intake and exchange and hydration of rats during growth of Walker 256 carcinoma. Morrison SD. J Natl Cancer Inst 46:825-30, Apr 71
Relationship between intracranial pressure and water content of the brain in experimental brain oedema. Beks JW, et al. J Neurol Neurosurg Psychiatry 34:109, Feb 71
Comments on fluid intake, renal solute, and water balance in infancy. Weil WB Jr. J Pediatr 78:731-2, Apr 71
Fluid intake, renal solute load, and water balance in infancy. Ziegler EE, et al. J Pediatr 78:561-8, Apr 71
A new assay for histaminase activity: measurement of tritiated water from beta (side chain label)-H 3-histamine. Beaven MA, et al. J Pharmacol Exp Ther 176:52-64, Jan 71
Renal response to aminophylline in relation to hydration and exogenous vasopressin. Nechay BR. J Pharmacol Exp Ther 176:377-82, Feb 71
Effects of prolonged saline exposure on water, sodium and urea transport and on electron-microscopical characteristics of the isolated urinary bladder of the toad Bufo bufo. Ackrill P, et al. J Physiol (Lond) 210:73-85, Sep 70
Salt and water permeability of the epithelium of the coprodeum and large intestine in the normal and dehydrated fowl (Gallus domesticus). In vivo perfusion studies. Bindslev N, et al. J Physiol (Lond) 216:735-51, Aug 71
Sodium chloride absorption and solute-linked water flow across the epithelium of the coprodeum and large intestine in the normal and dehydrated fowl (Gallus domesticus). In vivo perfusion studies. Bindslev N, et al. J Physiol (Lond) 216:753-68, Aug 71
Morphological changes associated with inhibition of fluid transport in the rabbit choroid plexus. Burgess A, et al. J Physiol (Lond) 208:88P-91P, Jun 70
The effect of the renin-angiotensin system on mucosal water and sodium transfer in everted sacs of rat jejunum. Crocker AD, et al. J Physiol (Lond) 206:323-33, Feb 70
Variations in mucosal water and sodium transfer associated with the rat oestrous cycle. Crocker AD. J Physiol (Lond) 214:257-64, Apr 71
The penetration of inulin, sucrose, mannitol and tritiated water from the interstitial space in muscle into the vascular system. Crone C, et al. J Physiol (Lond) 210:387-404, Sep 70
Water uptake by the crab-eating frog Rana cancrivora, as affected by osmotic gradients and by neurohypophysial hormones. Dicker SE, et al. J Physiol (Lond) 207:119-32, Mar 70
Effect of neurohypophysial hormones on fluid movement across isolated bladder of Rana cancrivora, Rana temporaria and Bufo melanostictus. Dicker SE, et al. J Physiol (Lond) 210:137-49, Sep 70
Permeation and distribution of deuterated and tritiated water in smooth and striated muscle. Elford BC. J Physiol (Lond) 211:73-92, Nov 70
Accessibility of heart water to pentoses. Fisher RB, et al. J Physiol (Lond) 210:277-86, Sep 70
The effect of angiotensin on cation transport by rat kidney cortex slices. Munday KA, et al. J Physiol (Lond) 215:269-82, May 71
Movement of water, protein and crystalloids between vascular and extra-vascular compartments in heat-exposed men during dehydration and following limited relief of dehydration. Senay LC Jr. J Physiol (Lond) 210:617-35, Oct 70
Path of bulk water movement through the urinary bladder of the toad. Civan MM. J Theor Biol 27:387-91, Jun 70
Model for iso-osmotic water flow in plant roots. Ginsburg H. J Theor Biol 32:147-58, Jul 71
A model to explain uphill water transport in the mammalian stomach. Rehm WS, et al. J Theor Biol 27:433-53, Jun 70
On the state of water in developing muscle: a study of the major phase of ordered water in skeletal muscle and its relationship to sodium concentration. Hazlewood CF, et al. Johns Hopkins Med J 128:117-31, Mar 71
Water, dry solids, and electrolyte composition of the ventricular myocardium in the developing rat. Hazlewood CF, et al. Johns Hopkins Med J 127:136-45, Sep 70
Simultaneous measurement of the effect of vasopressin on sodium and water transport across toad bladder. Wright DW, et al. Life Sci [I] 10:301-8, 15 Mar 71
Formation of 14CO2 and 3HOH from glucose-1-14C,-1-3H during oral cortisone glucose tolerance tests in obese patients. Shreeve WW, et al. Metabolism 20:280-92, Mar 71
Effects of staphylococcal alpha toxin on ion and water transports in isolated frog skin and bladder. Kadlec O, et al. Naunyn Schmiedebergs Arch Pharmakol 270:263-73, 1971
The influence of lissamine green on tubular reabsorption of electrolytes and water in rats. Heller J. Pfluegers Arch 323:27-33, 1971
Control by insulin of sodium potassium and water excretion by the isolated dog kidney. Nizet A, et al. Pfluegers Arch 323:11-20, 1971
Stimulation of the water transport in the jejunum of the rat by ethyl acetate. Csaky TZ, et al. Proc Soc Exp Biol Med 136:242-4, Jan 71
Water-holding lipid and water transmission through homeothermic and poikilothermic skins. Jelenko C 3d, et al. Proc Soc Exp Biol Med 136:1059-62, Apr 71
Impaired water metabolism in germfree rats. Lev M, et al. Proc Soc Exp Biol Med 135:700-5, Dec 70
Effects of hemorrhage and tilting on Na, Cl and H2O

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

absorption from the intestine. Mailman DS, et al. Proc Soc Exp Biol Med 137:78-81, May 71
Water metabolism with prolonged ethanol consumption in the rat. Crow LT. Psychol Rep 27:675-7, Oct 70
Evaporative water loss from burns, grafts and donor sites. Lamke LO, et al. Scand J Plast Reconstr Surg 5:17-22, 1971
Pulmonary capillary blood volume and lung water in pulmonary edema. English TA, et al. Surg Gynecol Obstet 132:93-100, Jan 71
Water vapour loss and skin barrier. An evaluation and some new findings. Spruit D, et al. Trans St Johns Hosp Dermatol Soc 57:167-76, 1971
Effects of sodium chloride on the water consumption of sand rats (Psammomys obesus). Abdallah A, et al. Z Versuchstierkd 13:150-7, 1971
Water and solute transport by the Malpighian tubules of the stick insect, Carausius morosus. The normal ultrastructure of the type 1 cells. Taylor HH. Z Zellforsch Mikrosk Anat 118:333-68, 1971
[Automatic equipment for the maintenance of rodents in constantly overhydrated state] Dumas JC. J Physiol (Paris) 61:165-7, Mar-Apr 69 (Fre)
[Comparison of the permeability to water of the gill of certain salt water and fresh water teleosts] Motais R, et al. J Physiol (Paris) 1:Suppl 1:154, 1969 (Fre)
[Exploration of water excretion disorders in idiopathic edemas] Zech P, et al. J Urol Nephrol (Paris) 76:985-90, Dec 70 (Fre)
[Protein catabolism and liberation of cellular water in acute renal failure] Lange H, et al. Dtsch Med Wochenschr 96:585-7, 2 Apr 71 (Ger)
[Ependyma and plexus epithelium following thyroidectomy in rats. Regulation of water balance in the brain] Gruss P, et al. Endokrinologie 58:1-15, 1971 (Ger)
[Ependyma and plexus epithelium following thyroidectomy in rats. Regulation of water conservation in the brain] Gruss P, et al. Endokrinologie 58:1-5, 1971 (Ger)
[Influence of net flux of water on the absorption of drugs] Ochsenfahrt H, et al. Naunyn Schmiedebergs Arch Pharmakol 266:414-5, 1970 (Ger)
[Elucidation of the cause of the net transfer of water and Na+ conditioned by oxyphenisatin in rat colon] Overhoff H, et al. Naunyn Schmiedebergs Arch Pharmakol 266:419-20, 1970 (Ger)
[The water economy of the camel] Höller H. Schweiz Arch Tierheilkd 112:353-4, Jul 70 (Ger)
[Lipid and water spaces in obesity. Studies on normal-weight and obese subjects in vivo and on adipose tissue and isolated fat cells in vitro] Englhardt A, et al. Verh Dtsch Ges Inn Med 75:910-4, 1969 (Ger)
[Disorders of sodium and water metabolism] Zumkley H. Z Allgemeinmed 47:975-80, 10 Jul 71 (Ger)
[The central nervous control of dehydration in Lumbricus terrestris L] Zimmermann P. Z Zellforsch Mikrosk Anat 112:551-71, 1971 (Ger)
[Edema formation in late pregnancy toxemias with special consideration of the acid mucopolysaccharides] Anton W, et al. Zentralbl Gynaekol 92:1334-9, 10 Oct 70 (Ger)
[Changes in erythrocyte water content in subjects with "petit mal" epilepsy after treatment with alpha-ethyl-alpha-methyl-succinimide] Cassarino P, et al. Acta Neurol (Napoli) 24:416-30, May-Jun 69 (Ita)
[Food rations for the shipwrecked] Bellenghi G. Ann Med Nav (Roma) 75:659-72, Nov-Dec 70 (Ita)
[Behavior of intraocular pressure, osmotic pressure of the blood and diuresis after water loading] Marinosci F. Boll Ocul 48:757-64, Oct 69 (Ita)
[Behavior of intraocular pressure, osmotic pressure of the blood and aqueous humor after intravenous administration of a water overload in the rabbit] Marinosci F, et al. Boll Ocul 48:775-82, Oct 69 (Ita)
[Action of amphotericin B on net transport of water in the isolated gallbladder of the rabbit] Cremaschi D, et al. Boll Soc Ital Biol Sper 45:371-4, 31 Mar 69 (Ita)
[Electrolyte excretion and changes in free water "clearance" during induced osmotic diuresis in essential hypertension] Di Perri T, et al. Boll Soc Ital Biol Sper 46:878-82, 15 Nov 70 (Ita)
[Renal function of the normal subject studies with induced water diuresis. Behavior of electrolyte excretion and "clearance" of free water] Forconi S, et al. Boll Soc Ital Biol Sper 46:812-6, 15 Oct 70 (Ita)
[Electrolyte excretion and free water "clearance" during diuresis induced with water loading in essential hypertension] Puccetti F, et al. Boll Soc Ital Biol Sper 46:882-6, 15 Nov 70 (Ita)
[Comparative physiology of water and salt metabolism] Inoue T. Saishin Igaku 26:281-9, 10 Feb 71 (38 ref.) (Jap)
[Fluid and glucose ingestion during prolonged severe physical activity] Staff PH, et al. Tidsskr Nor Laegeforen 91:1235-8, 10 Jun 71 (Nor)
[Effect of water flow in relation to osmotic gradient on water and sodium transport through the bladder wall and skin of frogs] Natochin IuV, et al. Biofizika 15:1029-35, Nov-Dec 70 (Rus)
[Mechanism of water decomposition in the photosynthetic process] Kutiurin VM. Izv Akad Nauk SSSR [Biol] 4:569-80, Jul-Aug 70 (Rus)
[Metabolism of water labelled with tritium in the brain and several peripheral organs in the rabbit] Sanikodze VD, et al. Med Radiol (Mosk) 15:18-20, Dec 70 (Rus)
[Changes in the mean erythrocyte volume as an index of water metabolism in patients with glaucoma] Frolova VA. Oftalmol Zh 26:50-4, 1971 (Rus)
[Significance of the state of interstitial water metabolism in the development of experimental adrenalin glaucoma] Lipovetskaia EM. Oftalmol Zh 26:139-42, 1971 (Rus)
[Water content of organs of Leghorns under the effect of selenium] Tsais II. Veterinariia 10:88-9, Oct 70 (Rus)
[Characteristics of water metabolism in lesions of the vascular tonus] Sirotina MF. Fiziol Zh 14:37-43, Jan-Feb 68 (Ukr)
[Carbohydrate metabolism in liver with different state of water metabolism] Zhalilo LI. Fiziol Zh 16:640-4, Sep-Oct 70 (Ukr)
[Effect of sublethal and lethal doses of irradiation on the extracellular and intracellular distribution of water in some tissues in rats] Shamraĭ EF, et al. Ukr Biokhim Zh 42:494-8, 1970 (Ukr)

PHARMACODYNAMICS

Gastric secretion after parenteral fluid administration. Wilmore DW, et al. Arch Surg 102:509-11, May 71
Mast cell, eosinophil and neutrophil response to injections of histamine and water. Bienkinsopp EC, et al. J Pathol 99:329-33, Dec 69
[Effect of the administered water volume upon the results of the oral glucose tolerance test in elderly normoglycemic subjects] Alcalay D, et al. Diabete 19:24-6, Jan-Mar 71 (Fre)
[The resistance of the causative organisms of actinomycosis and nocardiosis to some environmental factors. II. The survival in distilled water and in simple aqueous solutions] Schaal KP. Zentralbl Bakteriol [Orig] 215:234-44, 1970 (Ger)
[Effect of silver water on some microorganisms] Kondrateva TS. Farm Zh 26:82-5, Jan-Feb 71 (Ukr)

PHYSIOLOGY

Steady state pulmonary transvascular water filtration in unanesthetized sheep. Staub NC. Circ Res 28:Suppl 1:135-9, Jan 71

RADIATION EFFECTS

The luminescence of water excited by ambient ionizing radiation. Uickenden TI, et al. Radiat Res 46:28-35, Apr 71
[Model-measured computation depth dose curves for water and graphite for 1250 keV photon-irradiation] Eisenlohr HH. Strahlentherapie 140:188-9, Aug 70 (Ger)

SECRETION

Relationship between the biliary excretion of bile acids and the excretion of water, lecithin, and cholesterol in man. Scherstén T, et al. Eur J Clin Invest 1:242-7, Jan 71

STANDARDS

Paper industry water quality protection technology--status and needs. Gellman I, et al. J Water Pollut Control Fed 43:1546-9, Jul 71
[Analytical evaluation of quality of distilled water. 2] Saršunová M, et al. Pharm Prax 10:293-5, Oct 67 (Ger)

THERAPEUTIC USE

Effects of water and furosemide-induced diuresis on the acquisition and course of experimental pyelonephritis. D'Alessio DJ, et al. J Lab Clin Med 78:130-7, Jul 71

URINE

Hemodynamic influences on sodium and water excretion in stimulated hepatorenal syndrome. Gump FE, et al. Surg Forum 21:101-4, 1970
[Effect of 1-(4-oxyphenyl)-2n-butylamino-ethanone hydrochloride (BON) on water and sodium excretion as well as on the para-aminohippuric acid (PAH) and creatinine clearance in hemorrhagic hypotension] Földi M, et al. Arzneim Forsch 20:Suppl 11a:1663+, Nov 70 (Ger)

WATER DEPRIVATION (F1)

Effects of prolonged water deprivation on hypothalamic self-stimulation. Annau Z, et al. Am J Physiol 220:83-6, Jan 71
Effect of elevated ureteral pressure on renal medullary osmolal concentration in hydropenic rabbits. Honda N, et al. Am J Physiol 221:698-703, Sep 71
Water economy of the Somali donkey. Maloiy GM. Am J Physiol 219:1522-7, Nov 70
An investigation of some factors influencing the survival of St. Lucian Biomphalaria glabrata deprived of water. Sturrock RF. Ann Trop Med Parasitol 64:365-71, Sep 70
Respiratory quotient as an index of selective tissue catabolism by water-deprived laboratory rats and Spermophilus lateralis. Bintz GL, et al. Comp Biochem Physiol 38:121-7, 1 Jan 71
Plasma volume change during water-deprivation in gerbils, hamsters, guinea pigs and rats. Kutscher C. Comp Biochem Physiol 25:929-36, Jun 68
Feed and water deprivation in chickens. Kumar SP, et al. Indian Vet J 48:545-7, May 71
Loss and subsequent recovery of body weight in water-deprived snakes (Elaphe obsoleta obsoleta). Myer JS, et al. J Comp Physiol Psychol 75:5-9, Apr 71
Conditioned drinking and its failure to extinguish: avoidance, preparedness, or functional autonomy? Seligman ME, et al. J Comp Physiol Psychol 71:411-9, Jun 70
Influence of hunger, thirst, and previous experience in the test chamber on stimulus-bound eating and drinking. Valenstein ES, et al. J Comp Physiol Psychol 70:189-99, Feb 70
Body weights of dairy cattle with and without access to water. Stoddard GE, et al. J Dairy Sci 54:292-3, Feb 71
Effects of 0-9 per cent saline infusion on urinary and renal tissue composition in the hydropaenic, normal and hydrated conscious rat. Atherton JC, et al. J Physiol (Lond) 210:45-71, Sep 70
Natriuresis in rabbits acutely deprived of water. Law RO. J Physiol (Lond) 210:151P+, Sep 70
Age differences in the effects of water deprivation on activity, water loss and survival of rats. Jakubczak LF. Life Sci [I] 9:771-80, 1 Jul 70
Relationship of urea retention to the urea space in fasting sheep with a reduced water intake. Havassy I, et al. Physiol Bohemoslov 19:523-7, 1970
[Studies on diabetes insipidus in children. II. Spontaneous consumption and progressive restriction of beverages] Royer P, et al. Arch Fr Pediatr 28:365-80, Apr 71 (Fre)
[Adrenocortical activity of rats in a state of thirst and following radical dehydration by saluretics] Denk H, et al. Z Gesamte Exp Med 154:14-21, 1971 (Ger)
[Various histochemical features of the gastrointestinal tract of white rats in water deficiency] Kalishuk VA, et al. Biull Eksp Biol Med 65:106-9, 1968 (Rus)

WATER-ELECTROLYTE BALANCE (G1)

see also related
OSMOLAR CONCENTRATION (H)
WATER INTOXICATION (C13)

The effect of gynaecologic operations on electrolyte metabolism. II. Effect of adnexal surgery on electrolyte metabolism. Dalos G. Acta Chir Acad Sci Hung 11:143-7, 1970
The effect of gynaecologic operations on electrolyte metabolism. I. Effect of abdominal hysterectomy on electrolyte metabolism. Dalos G. Acta Chir Acad Sci Hung 11:133-41, 1970
Asymptomatic hypernatraemia in myotonia atrophica (Steinert-Curschmann's disease). Smals AG, et al. Acta Endocrinol [Suppl] (Kbh) 155:175, 1971
The effect of diuretics in late pregnancy on the newborn infant. Andersen JB. Acta Paediatr Scand 59:659-63, Nov 70
Electrolytes in leg and neck muscles of rats during ontogeny. Bergström J, et al. Acta Physiol Scand 81:164-9, Feb 71
Effect of diarrhoea on the water and acid-base balance in piglets with enteric colibacillosis. Kutas F, et al. Acta Vet Acad Sci Hung 21:117-25, 1971
Biosatellite post-flight experiment: some effects of forced electrolyte imbalance in Macaca nemestrina. Durham RM, et al. Aerosp Med 42:177-82, Feb 71
The pattern of electrolyte excretion in normal and hypertensive subjects before and after saline infusions. A simple electrolyte formula for the diagnosis of primary aldosteronism. Christlieb AR, et al. Am J Cardiol 27:595-601, Jun 71
Water and sodium retention in the fasted and refed human. Gozansky DM, et al. Am J Clin Nutr 24:869-71, Jul 71 (22 ref.)
Cholera enterotoxin--recent investigations yield insights into transport processes. Carpenter CC Jr. Am J Med 50:1-7, Jan 71 (59 ref.)
Treatment of gram-negative shock. Christy JH. Am J Med 50:77-88, Jan 71 (72 ref.)
Impaired water excretion in myxedema. Derubertis FR Jr, et al. Am J Med 51:41-53, Jul 71
Sodium, potassium and water metabolism in the syndrome of inappropriate antidiuretic hormone secretion. Nolph KD, et al. Am J Med 49:534-45, Oct 70
Fasting--a review with emphasis on the electrolytes. Weinsier RL. Am J Med 50:233-40, Feb 71 (42 ref.)
Body water dynamics. A clinical application. Voda AM. Am J Nurs 70:2594-601, Dec 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Water and electrolytes during experimental renal and DCA hypertension. De la Riva IJ, et al. Am J Physiol 219:1559-63, Dec 70

Ion binding and Donnan equilibria in rabbit corneal stroma. Friedman MH, et al. Am J Physiol 221:356-62, Jul 71

Osmoregulation and urea metabolism in the little skate Raja erinacea. Goldstein L, et al. Am J Physiol 220:742-6, Mar 71

Sodium ion binding in isolated corneal stroma. Green K, et al. Am J Physiol 220:520-5, Feb 71

Adaptation of larval Ambystoma tigrinum to concentrated environments. Kirschner LB, et al. Am J Physiol 220:1814-9, Jun 71

Respiratory and cutaneous evaporation in the zebra finch: effect on water balance. Lee P, et al. Am J Physiol 220:1598-605, Jun 71

Water movement through canine stomach during thiocyanate inhibition of gastric acid secretion. Moody FG. Am J Physiol 220:467-71, Feb 71

Relation between water flux and content in frog gastric mucosa. Villegas L, et al. Am J Physiol 220:1282-8, May 71

Thermal dehydration of the rat: distribution of losses among tissues. Wallace WM, et al. Am J Physiol 219:1544-8, Dec 70

Excerpts from the history of postoperative fluid therapy. Mengoli LR. Am J Surg 121:311-21, Mar 71

Wound kinetics: water and electrolyte changes from zero to sixty days in clean wounds. Rocchio MA, et al. Am J Surg 121:460-6, Apr 71

Effect of acute indigestion on compartmental water volumes and osmolality in sheep. Huber TL. Am J Vet Res 32:887-90, Jun 71

Thirst--and brain control of water balance. Andersson B. Am Sci 59:408-15, Jul-Aug 71

Some controversial aspects of fluids for the anesthetized neonate. Bennett EJ, et al. Anesth Analg (Cleve) 49:478-86, May-Jun 70

Fluid management of the pediatric surgical patient. Herbert WI, et al. Anesth Analg (Cleve) 50:376-80, May-Jun 71

Fluid and electrolyte complications of peritoneal dialysis. Choice of dialysis solutions. Gault MH, et al. Ann Intern Med 75:253-62, Aug 71

Chloride wasting and potassium depletion. Luke RG. Ann Intern Med 73:860-1, Nov 70

A critical evaluation of fluid resuscitation in the burned patient. Reckler JM, et al. Ann Surg 174:115-8, Jul 71

Muscle biopsy measurement of body water and intracellular electrolytes in children. Graham JA, et al. Arch Dis Child 45:473-7, Aug 70

Osmoregulation in the stenohaline crab "Libinia emarginata" Leech. Gilles R. Arch Int Physiol Biochim 78:91-9, Feb 70

Isosmotic intracellular regulation in "Maja squinado" Risso and "Penaeus aztecus" Yves. Schoffeniels E. Arch Int Physiol Biochim 78:461-6, Aug 70

Position effect on antidiuretic hormone. Blood levels in bedfast patients. Auger RG, et al. Arch Neurol 23:513-7, Dec 70

Critical oxygen tension at the corneal surface. Polse KA, et al. Arch Ophthalmol 84:505-8, Oct 70

Electrolyte and acid-base composition of pericardial fluid in man. Hutchin P, et al. Arch Surg 102:28-30, Jan 71

The distribution of water and electrolytes in the fetus, placenta and mother at the end of pregnancy and after labour at term. Lander C, et al. Aust NZ J Obstet Gynaecol 11:65-71, May 71

The osmolality of the amniotic fluid and its relation to the asphyxia of the newborn. Kittrich M, et al. Biol Neonate 17:10-4, 1971

Analysis of transport in the compartments of the sheep fetus. Rapoport SI, et al. Biol Neonate 16:313-22, 1970

The relationship between electrolyte and acid-base balance in the premature infant during early postnatal life. Sulyok E. Biol Neonate 17:227-37, 1971

Congenital duodenal stenosis in an adult presenting with severe electrolyte imbalance. Ward EE, et al. Br J Surg 58:238-41, Mar 71

Muscle water and electrolytes after ureterocolic anastomosis. Graham JA. Br J Urol 42:563-8, Oct 70

Plasma and faecal osmolality, water kinetics and body fluid compartments in neonatal calves with diarrhoea. Fayet JC. Br Vet J 127:37-44, Jan 71

Fluid and electrolyte metabolism of neonatal pigs. I. Variation with age in blood and plasma composition. Pownall R. Br Vet J 126:465-9, Sep 70

Intracellular potassium and chloride activities measured with liquid ion exchanger microelectrodes. Cornwall MC, et al. Brain Res 23:433-6, 28 Oct 70

Ion transport across the frog posterior choroid plexus. Wright EM. Brain Res 23:302-4, 13 Oct 70

Body water and electrolyte composition in acute renal failure. Graham JA, et al. Can Med Assoc J 104:1000-3, 5 Jun 71

Renin and aldosterone secretion in man as influenced by changes in electrolyte balance and blood volume. Bull MB, et al. Circ Res 27:953-60, Dec 70

Regression of body compositional abnormalities of heart failure after intracardiac operations. Pacifico AD, et al. Circulation 42:999-1008, Dec 70

Electrolyte changes and serious complications after hypertonic saline instillation. Berkowitz RL. Clin Obstet Gynecol 14:166-78, Mar 71

Environmental temperature and the body fluid system of the fresh-water teleost--IV. Water-electrolyte regulation in thermally acclimated carp, Cyprinus carpio. Houston AH, et al. Comp Biochem Physiol 34:805-18, 15 Jun 70

Thermoregulation and water relations of two East African antelopes: the hartebeest and impala. Maloiy GM, et al. Comp Biochem Physiol 38:525-34, 1 Mar 71

Topographic correspondence among electrographic pattern, water and electrolytes in the toad brain. Segura ET, et al. Comp Biochem Physiol 38:655-61, 1 Mar 71

The effect of protein intake on maximum urine and renal tissue water-solute concentrations in the muskrat (Ondatra zibethica osoyoosensis, Lord). Zahn TJ. Comp Biochem Physiol 25:1021-33, Jun 68

Alterations in plasma renin activity of patients with essential hypertension induced by NaCl and by salt depletion. Kiprov D, et al. Cor Vasa 12:188-92, 1970

Metabolic response to surgery in relation to caloric, fluid and electrolyte intake. Hutchin P. Curr Probl Surg 1-51, Apr 71 (145 ref.)

The role of the colon in fluid and electrolyte metabolism. Mafatka Z. Digestion 3:251-3, 1970

Osmolality of duodenal aspirate following secretin infusion in man. Pascal JP, et al. Digestion 3:222-30, 1970

Effect of deoxycorticosterone acetate and aldosterone on the salt appetite of wild rabbits (Oryctolagus cuniculus (L.). Denton DA, et al. Endocrinology 87:970-7, Nov 70

Influence of fasting on adrenocortical and pancreatic islet response to glucose loads in the obese. Kolanowski J, et al. Eur J Clin Invest 1:25-31, Mar 70

Epileptogenic cortical foci induced with ouabain. Sodium, potassium, water content, and sodium-potassium-activated ATPase activity. Lewin E. Exp Neurol 30:172-7, Jan 71

Frontal ganglion and water balance in Periplaneta americaana L. Penzlin H, et al. Experientia 27:390-1, 15 Apr 71

Antidiuretic hormone levels in normal subjects. Moore WW. Fed Proc 30:1387-94, Jul-Aug 71

Morpho-functional study of hypothalamic neurosecretion. IV. The effect of osmotic stress on the preoptico-neurohypophysial system of Rana esculenta, Rana temporaria, and Xenopus laevis. Srebro Z. Folia Biol (Krakow) 18:231-5, 1970

Experimental diarrhea. I. Intestinal water and electrolyte transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1053-64, Jun 71

Experimental diarrhea. II. Glucose-stimulated sodium and water transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1065-75, Jun 71

Experimental diarrhea. 3. Bicarbonate transport in rat salmonella enterocolitis. Powell DW, et al. Gastroenterology 60:1076-86, Jun 71

Observations on the water and electrolyte composition of the iguanid lizard Dipsosaurus dorsalis (Baird & Girard), with special reference to the control by the pituitary gland and the adrenal cortex. Chan DK, et al. Gen Comp Endocrinol 15:374-87, Dec 70

Effect of prolactin on survival and plasma sodium levels in hypophysectomized medaka Oryzias latipes. Utida S, et al. Gen Comp Endocrinol 16:566-73, Jun 71

Body fluid composition and sodium excretion under osmotic diuresis. Zürcher C, et al. Helv Med Acta 35:281-9, Oct 70

Atrial volume receptors and the renal response following acute intravascular volume expansion. Slick GL. J Am Osteopath Assoc 70:1122, Jun 71

Analysis of urine of the northern fur seal. Keyes MC, et al. J Am Vet Med Assoc 159:567-70, Sep 71

Laboratory evaluation of fluid balance disorders in dogs and cats. Tasker JB. J Am Vet Med Assoc 157:1703-6, 1 Dec 70

The relative effects of serum sodium concentration and the state of body fluid balance on renin secretion. Gordon RD, et al. J Clin Endocrinol Metab 32:117-9, Jan 71

Role of antidiuretic hormone in the abnormal water diuresis of anterior hypopituitarism in man. Agus ZS, et al. J Clin Invest 50:1478-89, Jul 71

Effects of increased sodium delivery on distal tubular sodium reabsorption with and without volume expansion in man. Buckalew VM Jr, et al. J Clin Invest 49:2336-44, Dec 70

Accelerated reabsorption in the proximal tubule produced by volume depletion. Weiner MW, et al. J Clin Invest 50:1379-85, Jul 71

"Innate recognition" aids rats in sodium regulation. Krieckhaus EE. J Comp Physiol Psychol 73:117-22, Oct 70

Measurement of plasma cortisol levels in the eel Anguilla anguilla in relation to osmotic adjustments. Bali JN, et al. J Endocrinol 50:75-96, May 71

Osmoregulation of Lampetra fluviatilis L. and Petromyzon marinus (Cyclostomata) in hyperosmotic solutions. Pickering AD, et al. J Exp Biol 53:231-43, Aug 70

Chloride regulation at low salinities by Nereis diversicolor (Annelida, Polychaeta). II. Water fluxes and apparent permeability to water. Smith RI. J Exp Biol 53:93-100, Aug 70

Regulation of cellular osmolarity and volume in Tetrahymena. Stoner LC, et al. J Exp Biol 53:391-9, Oct 70

Sodium influx and loss in freshwater and brackish-water populations of the amphipod Gammarus duebeni Lilljeborg. Sutcliffe DW. J Exp Biol 54:255-68, Feb 71

Stimulating effect of hyperosmolality on glucose uptake in the small intestine of hamsters. A preliminary publication. Dinda PK, et al. J La Dent Assoc 1:304-10, 1970

Blood gas, fluid and osmotic monitoring in the coronary-pulmonary care unit. Tysinger DS Jr. J Med Assoc State Ala 40:381-5, Dec 70

Blood gas, fluid and osmotic monitoring in the coronary-pulmonary care unit. Tysinger DS Jr. J Med Assoc State Ala 40:321-4, Nov 70

Electrolytes, fluids and energy metabolism in traumatic brain oedema. Reulen HJ, et al. J Neurol Neurosurg Psychiatry 33:714-5, Oct 70

Water, electrolytes and epilepsy. Reynolds EH. J Neurol Sci 11:327-58, Oct 70

Water and electrolyte content of ischemic cerebral tissues. Norris JW, et al. J Neuropathol Exp Neurol 30:140, Jan 71

Ionic mechanisms of excitatory, inhibitory, and dual synaptic actions mediated by an identified interneuron in abdominal ganglion of Aplysia. Blankenship JE, et al. J Neurophysiol 34:76-92, Jan 71

Comments on fluid intake, renal solute, and water balance in infancy. Weil WB Jr. J Pediatr 78:731-2, Apr 71

Fluid intake, renal solute load, and water balance in infancy. Ziegler EE, et al. J Pediatr 78:561-8, Apr 71

Influence of variations in hydration and in solute excretion of the effects of lysine-vasopressin infusion on urinary and renal tissue composition in the conscious rat. Atherton JC, et al. J Physiol (Lond) 213:311-27, Mar 71

Cardiovascular responses to salt-loading in conscious domestic geese. Hanwell A, et al. J Physiol (Lond) 213:389-96, Mar 71

Effects of nephrectomy and KCl on transmembrane potentials, intracellular electrolytes, and cell pH of rat muscle and liver in vivo. Williams JA, et al. J Physiol (Lond) 212:117-28, Jan 71

Changes in pulmonary extravascular water volume following mitral valve replacement. O'Connor ME, et al. J Thorac Cardiovasc Surg 61:343-7, Mar 71

Intracellular cation alterations following major trauma: effect of supranormal caloric intake. Curreri PW, et al. J Trauma 11:390-6, May 71

Pre- and postmortem studies of lung fluids and electrolytes. Gump FE, et al. J Trauma 11:474-82, Jun 71

The effect of topial Sulfamylon on water loss through burn eschar: a re-evaluation. Jelenko C 3d, et al. J Trauma 10:1123-31, Dec 70

Participation of tissue electrolytes and water to the spontaneous hypertension in rats. Nagaoka A, et al. Jap Circ J 34:489-97, Jun 70

On the state of water in developing muscle: a study of the major phase of ordered water in skeletal muscle and its relationship to sodium concentration. Hazlewood CF, et al. Johns Hopkins Med J 128:117-31, Mar 71

Comments on the physiological significance of the state of water. Zierler KL. Johns Hopkins Med J 128:115-6, Mar 71

Angiotensin II blood-levels in human hypertension. Catt KJ, et al. Lancet 1:459-64, 6 Mar 71

Fluid and electrolyte status in tetanus. Holloway R. Lancet 2:1278-80, 19 Dec 70

Biochemical changes in depression. Mendels J, et al. Lancet 1:448-9, 27 Feb 71

Sodium in chronic renal failure. Lancet 1:1282-3, 19 Jun 71

Gradual acclimation effects in Macrophthalmus setosus M. Edw. (Brachyura: Ocypodidae). Barnes RS. Life Sci [II] 7:171-3, 15 Feb 68

Freshwater stingrays, Potamotrygon spp.: failure to concentrate urea when exposed to saline medium. Thorson TB. Life Sci [II] 9:893-900, 8 Aug 70

Computer simulation of thirst and water balance. Toates FM, et al. Med Biol Eng 8:71-87, Jan 70

Potassium disturbances in open heart surgery. Adrogue HJ, et al. Medicina (B Aires) 31:13-20, Jan-Feb 71

Biochemical changes observed in heat exhaustion under field conditions. Hirsch EF, et al. Milit Med 135:881-4, Oct 70

Fixed hyponatremia with normal responses to varying salt and water intakes. Miles AI, et al. N Engl J Med 284:26-8, 7 Jan 71

Volume-receptor regulation of renal function in rats after inducing lesions in the area of the habenular nuclei. Piryova V, et al. Nauchni Tr Vissh Med Inst Sofiia 49:21-30, 1970

Cryoscopic osmolality determinations during pregnancy. Lohaus AW, et al. Obstet Gynecol 38:63-8, Jul 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Renal sodium and water conservation in acute paraplegia. McCarthy DP, et al.
Paraplegia 8:186-95, Nov 70
Supportive management of the sick neonate. Parenteral calories, water, and electrolytes. Sinclair JC, et al.
Pediatr Clin North Am 17:863-93, Nov 70 (109 ref.)
Different correlations between plasma protein concentration and proximal fractional reabsorption in the rat during acute and chronic saline infusion. Kuschinsky W, et al. Pfluegers Arch 321:102-20, 1970
A microperfusion investigation of the effects of a sympathomimetic and a parasympathomimetic drug on water and electrolyte fluxes in the main duct of the rat submaxillary gland. Martin CJ, et al.
Pfluegers Arch 327:303-23, 1971
Voluntary body water and salt deficits as a cause of differences between men in their tolerance to heat. Peter J. Pfluegers Arch 322:22-34, 1971
Water and electrolyte content of normal skin, scars, and keloid. Psillakis JM, et al.
Plast Reconstr Surg 47:272-4, Mar 71
Hyperosmolar non-ketotic diabetes. Macaulay MB.
Postgrad Med J 47:191-6, Apr 71
The mechanism of the acute effect of sodium chloride on blood pressure. Haddy FJ, et al.
Proc Soc Exp Biol Med 136:551-4, Feb 71
Renin activity in urine, plasma, and renal cortex of dogs during changes in sodium balance. Hayduk K, et al.
Proc Soc Exp Biol Med 136:399-402, Feb 71
Regulation of water balance in genetically obese rats. York DA, et al.
Proc Soc Exp Biol Med 136:798-801, Mar 71
Fluid and electrolyte abnormalities in alcoholism. Beard JD.
Psychosomatics 11:502-3, Sep-Oct 70
The pathophysiology of ovine ostertagiasis: water balance and turnover studies. Holmes PH, et al.
Res Vet Sci 12:381-3, Jul 71
Exhaled air temperature and water conservation in lizards. Murrish DE, et al. Resp Physiol 10:151-8, Sep 70
Effect of secretin upon movements of water and electrolytes across the small intestine in man. Modigliani R, et al.
Rev Eur Etud Clin Biol 16:361-4, Apr 71
"Hidden" cellular electrolyte responses to hemorrhagic shock and their significance. Haljamäe H. Rev Surg 27:315-24, Sep-Oct 70 (87 ref.)
Fluid and electrolyte balance during the comrades marathon. Dancaster CP, et al.
S Afr Med J 45:147-50, 6 Feb 71
Muscle biopsy studies in liver cirrhosis. Maschio G, et al. Scand J Gastroenterol 6:363-8, 1971
Interpretation of electrolytes in the metabolic profile. II. Chloride, carbon dioxide, and potassium. Casey AE, et al. South Med J 64:342-8, Mar 71
Interpretation of electrolytes in the metabolic profile. I. Sodium. Casey AE, et al.
South Med J 64:337-41, Mar 71
Osmometry: a new bedside laboratory aid for the management of surgical patients. Boyd DR, et al.
Surg Clin North Am 51:241-50, Feb 71
Caloric and fluid losses through the burn wound. Gump FE, et al.
Surg Clin North Am 50:1235-48, Dec 70 (31 ref.)
Myxedema causing adynamic ileus, serous effusions, and inappropriate secretion of antidiuretic hormone. Liechty RD, et al.
Surg Clin North Am 50:1087-96, Oct 70
Wound kinetics: water and electrolyte changes from zero to sixty days in clean wounds. Rocchio MA, et al.
Surg Forum 21:104-6, 1970
Studies on fluid shifts and water and sodium diuresis in the early postoperative phase. Luttwak EM, et al.
Surg Gynecol Obstet 132:251-8, Feb 71
Central venous pressure and blood volume determinations in clinical shock. Wilson RF, et al.
Surg Gynecol Obstet 132:631-6, Apr 71
Loss of fluid and blood to the peritoneal cavity during abdominal surgery. Kragelund E.
Surgery 69:284-7, Feb 71
Hypothalamic osmosensitive single neurons in the waking monkey. Hayward JN, et al.
Trans Am Neurol Assoc 95:97-9, 1970
The pathophysiology of obstructive hydrocephalus in the monkey. Levin VA, et al.
Trans Am Neurol Assoc 95:274-6, 1970
Oral or nasogastric maintenance therapy for diarrhoea of unknown aetiology resembling cholera. Nalin DR, et al. Trans R Soc Trop Med Hyg 64:769-71, 1970
Postoperative course and treatment in adrenal surgery. I. Electrolyte balance and supplement in primary aldosteronism. Shishito S, et al. Urol Int 26:1-12, 1971
The daily urinary volume, sodium and potassium in adult Ghanaians. Badoe EA, et al.
West Afr Med J 20:326-7, Apr 71
Signs and symptoms of electrolyte disorders. Weiner M, et al. Yale J Biol Med 43:76-109, Oct 70 (182 ref.)
The cell types in the adenohypophysis of the cichlid fish Cichlasoma biocellatum Regan, with special attention to its osmoregulatory role. Matthelj JA, et al. Z Zellforsch Mikrosk Anat 118:113-26, 1971
[Electrolyte changes following a long-term parenteral administration of NaCl to rabbits. Pathogenesis of salt hypertension] Kadlec O, et al.
Bratisl Lek Listy 55:654-69, Jun 71 (Cze)
[Elements of fluid economy and fluid distribution--especially of water--in the body] Mašek O. Vnitr Lek 17:303-4, Mar 71 (Cze)
[Coma caused by hyperosmolarity in diabetics] Dusart D, et al.
Acta Gastroenterol Belg 31:571-80, Aug-Sep 68 (Fre)
[A case of degenerated villous tumor of the rectum with water-electrolyte loss and ion unbalance] Nicaise H, et al. Arch Fr Mal App Dig 59:827-8, Dec 70 (Fre)
[Studies on diabetes insipidus in children. 3. Water metabolism in panpituitary insufficiencies] Loirat C, et al. Arch Fr Pediatr 28:381-94, Apr 71 (Fre)
[Fasting and refeeding in the carp (Cyprinus carpio). II. Importance of electrolytic factors] Creach Y, et al.
Arch Sci Physiol (Paris) 24:253-65, 1970 (Fre)
[Intake-diuresis reflex and its role in the regulation of water-electrolyte balance] Nicolaïdis S.
Arch Sci Physiol (Paris) 24:381-96, 1970 (Fre)
[Intake-diuresis reflex and its role in thermal and water-electrolyte regulation] Nicolaïdis S.
Arch Sci Physiol (Paris) 24:397-408, 1970 (Fre)
[Sodium and arterial hypertension] Cier JF, et al.
Bord Med 4:1771-2 passim, Jun 71 (Fre)
[Specific body disturbances caused by dust inhalation] Yotakis L.
Bull Inst Natl Sante Rech Med 25:355-89, May-Jun 70 (Fre)
[Water-mineral metabolism in Vietnamese. Determination of plasma electrolyte balance] Phan The Tran, et al.
Bull Soc Pathol Exot 64:238-42, Mar-Apr 71 (Fre)
[Participation of the ovary in a certain degree of recovery of water-electrolyte balance in the adrenalectomized Sherman female rat] Ratsimamanga-Urverg S, et al.
C R Acad Sci [D] (Paris) 271:1652-4, 2 Nov 70 (Fre)
[Study of dietary deprivation of certain essential amino acids on plasma and erythrocyte electrolytes in rats. I. Water, sodium, potassium and magnesium content of erythrocytes] Spach C, et al.
C R Soc Biol (Paris) 164:241-7, 25 Sep 70 (Fre)
[Water balance in the elasmobranchs: arguments in favor of endocrine control] Payan P, et al.
Gen Comp Endocrinol 16:535-54, Jun 71 (Fre)
[Adaptation of water exchanges as a function of external salinity in Opsanus tau, a euryhaline aglomerular teleost] Lahlou B, et al.
J Physiol (Paris) 1:Suppl 1:143, 1969 (Fre)
[Chronic kidney diseases with salt loss] Duchatelle P.
Lille Med 16:472-4, Mar 71 (Fre)
[Water metabolism and fluid spaces. Physiopathology of functional kidney failures] Lefebvre J.
Lille Med 16:454-6, Mar 71 (Fre)
[Dehydratation] Lelievre G, et al.
Lille Med 16:456-9, Mar 71 (Fre)
[Changes in urinary sodium-potassium ratio after abdominal surgery] Motin J, et al.
Lyon Med 225:309-12, 28 Feb 71 (Fre)
[Hydroelectrolytic equilibrium and parenteral feeding in juvenile surgery] Anglade G.
Maroc Med 50:567-71, Oct 70 (Fre)
[Resuscitation in acute digestive depletions] Conte M, et al. Maroc Med 49:340-4, Jun 69 (Fre)
[Hydroelectrolytic disorders in congestive heart failure] Oimer M, et al. Mars Med 106:723-7, 1969 (Fre)
[Diagnosis and physiopathology of hydroelectrolytic disorders] Favre H, et al.
Praxis 59:39-43, 13 Jan 70 (Fre)
[Electrolytes and the general practitioner] Mach RS.
Praxis 59:147-58, 3 Feb 70 (Fre)
[Comparative study of gas partial pressures, acid-base and hydroelectrolytic equilibrium of cerebrospinal fluid in bacterial meningitis in adults] Blayo MC, et al.
Rev Eur Etud Clin Biol 16:224-32, Mar 71 (Fre)
[Effect of acceleration on water and electrolyte homeostasis in the rat] Benetato G, et al.
Rev Roum Physiol 7:15-27, 1970 (Fre)
[A case of hyponatremia by dilution during acute miliary pulmonary tuberculosis] Lissac J, et al.
Rev Tuberc Pneumol (Paris) 34:1004-5, Nov 70 (Fre)
[Several particular complications of acute diarrhea in infants] Raffi A, et al.
Sem Hop Paris 46:3020-2, 14 Nov 70 (Fre)
[Clinical study of diuresis during anesthesia according to hydration] Allard R, et al.
Union Med Can 98:1182-7, Jul 69 (Fre)
[The kidney and adrenal glands in experimental heart failure] Cantin M, et al.
Union Med Can 100:680-92, Apr 71 (Fre)
[Hypothalamo-hypophyseal complex and regulation of water and electrolyte metabolism in the albino rat submitted to the influence of negative air ions] Olivereau JM.
Z Zellforsch Mikrosk Anat 105:430-41, 1970 (Fre)
[Disorders of extra- and intracellular water and electrolyte balance in delirium tremens] Schmidt P, et al. Dtsch Med Wochenschr 96:708-9, 16 Apr 71 (Ger)
[Disorders of the extra and intracellular water-electrolyte balance in delirium tremens] Wilke H. Dtsch Med Wochenschr 96:478, 12 Mar 71 (Ger)
[Aldosterone and electrolyte metabolism in normal and pathological pregnancy] Stark G.
Geburtshilfe Frauenheilkd 31:637-47, Jul 71 (Ger)
[Body fluid and electrolytye-spaces in chronic renal insufficiency. Relations to blood pressure and carbodydrate tolerance] Vorburger C.
Helv Med Acta [Suppl] Suppl: 51:1-14, 1971 (Ger)
[Quantitative changes of "Gomori-positive" substances in the median eminence and in the pituitary posterior lobe of the rat after adrenalectomy and changes in the salt and water balance] Brinkmann H, et al.
J Neurovisc Relat 32:48-64, 1970 (Ger)
[Disorders in the water balance causing bladder hypotension] Müssiggang H.
Langenbecks Arch Chir 322:855-8, 1968 (Ger)
[Water and chlorine balance in calves in the period of milk nutrition] Jančařík A.
Monatsh Vet Med 24:24-8, 1 Jan 69 (Ger)
[Disorders of the water-electrolyte balance in old age and their therapy] Höfliger K, et al.
Praxis 59:44-8, 13 Jan 70 (Ger)
[Demonstration and significance of exchangeable sodium and body fluid volume for arterial hypertension] Vorburger C.
Schweiz Med Wochenschr 100:1564-8, 12 Sep 70 (Ger)
[Combination injuries. Comparative electrolyte studies in rats, stressed by whole body irradiation and skin wounds] Messerschmidt O, et al.
Strahlentherapie 141:705-11, Jun 71 (Ger)
[Nephrologic problems in an anesthetic-surgical intensive care unit] Truniger B.
Ther Umsch 27:745-9, Nov 70 (Ger)
[Water-electrolyte metabolism disorders from the surgeon's viewpoint] Lindenschmidt TO.
Wien Klin Wochenschr 83:557-61, 6 Aug 71 (Ger)
[Clinically important disorders of water and electrolyte regulation] Sailer S.
Wien Klin Wochenschr 82:769-74, 18 Oct 70 (Ger)
[Is the evaluation of Carter-Robbins test changed during pregnancy?] Retzke U, et al.
Z Gesamte Inn Med 26:161-5, 1 Mar 71 (Ger)
[Topochemical electrolyte distribution in the myocardium during pneumonia] Kühn H, et al.
Zentralbl Allg Pathol 114:184-8, 1971 (Ger)
[Water balance and basal metabolism changes in menstruation disorders] Stojanov S.
Zentralbl Gynaekol 92:392-4, 28 Mar 70 (Ger)
[Hemodialysis disequilibrium syndrome] Eliahou H.
Harefuah 78:362-3, 1 Apr 70 (Heb)
[Notes on water-electrolyte balance restoration in infantile surgery] Vetrò A, et al.
Acta Anaesthesiol (Padova) 20:1083-7, Nov-Dec 69 (Ita)
[The renal component of osmotic and electrolytic homeostasis during diffuse hepatopathy of the sclerosing type] Agnoli GC, et al.
Arch Ital Mal Appar Dig 35:578-88, Jun 69 (Ita)
[Correction of metabolic alkalosis as medical treatment of Meniere's disease] Celestino D, et al.
Arch Ital Otol 81:123-35, May-Jun 70 (Ita)
[Correction of metabic acidosis in acut and chronic renal insufficiency by intra- and extra-corporeal dialysis] Graziani G, et al.
Arch Ital Urol Nefrol 42:167-79, 1969 (Ita)
[Resuscitation of burned patients] Esposito B, et al.
Arcisp S Anna Ferrara 22:501-59, 1969 (Ita)
[Experimental observations on the changes in renal function and acid-base equilibrium during chronic liver diseases] Agnoli GC, et al.
Boll Soc Ital Biol Sper 45:1511-5, 15 Dec 69 (Ita)
[Aspects of water-electrolyte metabolism and aldosterone therapy in orthostatic arterial hypotension: considerations suggested by a case in advanced age] Ghiringhelli F, et al.
G Gerontol 17:1095-109, Nov 69 (Ita)
[On the therapy of anoxic-hemorrhagic disorder of the CNS in the full-term and premature newborn infant] Bogi G, et al. J Morphol 132:1089-94, Oct 70 (Ita)
[Burns in children. Trends in resuscitation in pediatric burns] Scotti A, et al.
Minerva Anestesiol 35:1295-303, Dec 69 (Ita)
[Water-electrolyte changes in surgical acute abdomen and their correction] Zaffiri O, et al.
Minerva Anestesiol 36:286-90, Apr 70 (Ita)
[On a case of alveolar carcinoma of the lung with dysionic syndrome due to hypotonic extracellular dehydration caused by profuse expectoration. Anatomo-clinical study] Pasqualicchio A, et al.
Minerva Med 61:5247-62, 17 Nov 70 (Ita)
[Changes in response to accelerations in dehydrated animals] Rota P.
Minerva Med 61:4234-6, 26 Sep 70 (Ita)
[Ideas on physiopathology and therapy of water-electrolyte balance disorders in some gastroduodenal syndromes] Zaffiri O, et al.
Minerva Med 61:3582-5, 29 Aug 70 (Ita)
[Extracellular and intracellular water-electrolyte changes and acid-base equilibrium changes after extracorporeal hemodialysis in chronic uremic patients] Acquarone N, et al.
Minerva Nefrol 17:190-7, Nov-Dec 70 (Ita)
[Guidelines in the conservative treatment of chronic uremia] Monasterio G.
Minerva Nefrol 18:51-6, Mar-Apr 71 (Ita)
[A device used in the rehydration of a subject in a

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

severe state of shock] Bezante T, et al.
Minerva Nipiol 19:281-3, Jul-Aug 69 (Ita)
[On the therapy of anoxic-hemorrhagic disorder of the CNS in the full-term and premature newborn infant] Bogi G, et al.
Minerva Pediatr 22:1089-94, 26 May 70 (Ita)
[Renal water homeostasis. Possibility of clinical interpretation] Radice C, et al.
Minerva Pediatr 23:576-85, 31 Mar 71 (Ita)
[On vestibular reflectivity in patients affected by Addison's disease] Celestino D, et al.
Valsalva 45:6-14, Feb 69 (Ita)
[Current medical treatment of otogenic meningitis] Iannetti G. Valsalva 47:41-7, Feb 71 (Ita)
[Studies on water, electrolytes, and acid-base balance before and after urological surgery] Komiya T.
Acta Urol Jap 17:3-32, Jan 71 (Jap)
[Concept of dehydration and indicator for fluid therapy, especially from the standpoint of fluid management] Abe H, et al.
Naika 26:607-17, Oct 70 (Jap)
[Computation of infusion solution] Abe H, et al.
Saishin Igaku 26:222-32, 10 Feb 71 (Jap)
[Treatment of obesity with low-calory diet and outright hunger in the light of nitrogen and electrolyte balance studies and other metabolic studies] Graczykowska-Koczorowska, et al.
Pol Arch Med Wewn 46:287-94, 1971 (Pol)
[Results of the water-salt test in obese women] Paradysz A, et al. Przegl Lek 27:332-5, 1971 (Pol)
[Protein-water-salt equilibrium] Cabocio JL.
Arq Bras Med 54:140-59, Apr-Jun 67 (Por)
[Changes in acid-base equilibrium in liver diseases. Initial findings in 25 cases] Silva JA da, et al.
Hospital (Rio de J) 76:827-35, Sep 69 (Por)
[Contribution to the study of normal and pathological pregnancy: plasma and urinary protein of calcium, phosphorous, sodium, and potassium ions and hematocrit changes. 2] Dottaviano EJ.
Matern Infanc (Sao Paulo) 29:203-30, Apr-Jun 70 (Por)
[Water-salt-protein balance] Mattos L, et al.
Rev Bras Med 27:619-21 contd, Dec 70 (Por)
[Precise alkalinization test in normal subjects. 3. Chronological study of plasmatic, erythrocyte and urinary electrolyte changes after oral or intravenous overload of sodium bicarbonate] Cruz HM.
Rev Hosp Clin Fac Med Sao Paulo 25:351-8, Nov 70 (Por)
[Aute alkalinizaion test in normalsubjects. II. Effects oforal sodium bicarbonate overload on plasma electrolytes and erythrocytes] Cruz HM.
Rev Hosp Clin Fac Med Sao Paulo 25:345-9, Nov 70 (Por)
[Current data on water-electrolyte changes in essential hypertension] Anghel S.
Med Interna (Bucur) 23:27-36, Jan 71 (Rum)
[The kidney and water-electrolyte balance in normal subjects] Anghel S.
Med Interna (Bucur) 22:795-802, Jul 70 (26 ref.) (Rum)
[Changes in water-electrolyte balance after gynecologic operations (review of the literature)] Samofiova GS.
Akush Ginekol (Mosk) 46:50-5, Oct 70 (Rus)
[Factors determining the energetics of organisms while adapting to osmotic conditions] Tarusov BN, et al. Biofizika 14:294-9, Mar-Apr 69 (Rus)
[The mechanism of the effect of diaphylline on renal excretion of sodium, potassium and water in nephritis patients] Ermakova IP, et al.
Biull Eksp Biol Med 66:65-9, Nov 68 (Rus)
[Determination of ootal body water in rabbits following exposure to high environmental temperature using tritium as a tag] Guseva LA, et al.
Biull Eksp Biol Med 68:45-7, Aug 69 (Rus)
[Water-electrolyte balance in the initial stage of burns in rabbits maintained on a varying water-salt regime] Kochetygov NI.
Biull Eksp Biol Med 70:23-6, Sep 70 (Rus)
[Dialyzing intraperitoneal fistula and its use in physiological experiments] Ugolev AM, et al.
Biull Eksp Biol Med 63:140-2, Nov 67 (Rus)
[Adaptive changes in sodium, potassium and water requirements of rats with acute experimental nephritis] Iaroshevskif AIa, et al.
Dokl Akad Nauk SSSR 197:980-3, 1971 (Rus)
[Change in free amino acid concentration in Mytilus edulis tissues in relation to the salinity of the external medium] Khlebovich VV, et al.
Dokl Akad Nauk SSSR 195:493-5, 1970 (Rus)
[Role of aldosterone and hydrocortisone in the control of sodium metabolism in the organism] Kolpakov MG, et al.
Dokl Akad Nauk SSSR 186:1228-31, 11 Jun 69 (Rus)
[Reflex mechanisms correlating the functions of the salivary glands and kidneys] Esipenko BE.
Fiziol Zh SSSR 56:95-101, Jan 70 (Rus)
[Potassium and sodium ion content of dog smooth muscles with a deficit of acetylcholine in the organism] Kuchushev GKh.
Fiziol Zh SSSR 56:1767-71, Dec 70 (Rus)
[Biologically active substances of the pancreas participating in the regulation of water-electrolyte balance] Levrova ZS.
Fiziol Zh SSSR 57:1014-20, Jul 71 (Rus)
[The bioelectric activity of the neurons of the supraoptic and paraventricular nuclei of the hypothalamus upon stimulation of the osmoreceptive zone of the cat liver] Matveeva MB, et al.
Fiziol Zh SSSR 56:324-31, Mar 70 (Rus)
[Extra- and intracellular content of potassium and sodium ions in dogs with catecholamine deficiency] Volkova IN, et al. Fiziol Zh SSSR 56:927-31, 1970 (Rus)
[Effect of trace element (Cu, Mo, Mn) deficiency in the diet on the state of the water-electrolyte balance] Kazakov AM. Gig Sanit 35:19-22, Dec 70 (Rus)
[Effect of desalinated drinking water on the functional state of the organism] Sidorenko GI, et al.
Gig Sanit 36:16-20, 1971 (Rus)
[State of the water-electrolyte metabolism in patients with lung abscesses] Shataliuk BP, et al.
Grudn Khir 12:75-9, Sep-Oct 70 (Rus)
[Significance of water-salt disturbances in the development of experimental renal hypertension] Kovaleva NT, et al.
Kardiologiia 10:127-30, Sep 70 (Rus)
[Water-salt metabolism in surgery of patients with cancer of the gastrointestinal tract] Agaev BA.
Khirurgiia (Mosk) 46:105-11, Oct 70 (Rus)
[Correction of water-salt metabolism in patients after stomach operations] Shkrob OS, et al.
Khirurgiia (Mosk) 46:60-5, Apr 70 (Rus)
[State of the water-electrolyte balance in patients with peritonitis before and after surgery] Tagibekov KG, et al. Klin Med (Mosk) 48:82-6, Nov 70 (Rus)
[The electrolyte excreting function of the kidneys in pulmonary tuberculosis] Litvin LM.
Probl Tuberk 49:52-6, 1971 (Rus)
[Some indices of electrolyte balance in food poisoning] Lyskovtsev MM, et al. Sov Med 33:99-102, Jul 70 (Rus)
[State of water and metal ions in skeletal muscle nuclei and mitochondria] Sorokina ZA.
Tsitologiia 12:1396-404, 1970 (Rus)
[Electrolyte distribution and oxygen consumption in cerebral cortex sections in rats under various incubation conditions] Emel'ianov NA, et al.
Ukr Biokhim Zh 42:50-5, 1970 (Rus)
[Some indices of water metabolism in patients with chronic renal insufficiency during treatment with repeated hemodialysis] Belkarov IM, et al.
Vestn Akad Med Nauk SSSR 25:29-33, 1970 (Rus)
[State of the electrolyte balance in surgery with artificial circulation] Khodas MIa, et al.
Vestn Khir 104:27-30, Jun 70 (Rus)
[Changes in serum and urine osmotic and oncotic pressure and their correction in patients with acute cholecystitis] Sergienko AA.
Vestn Khir 105:47-50, Nov 70 (Rus)
[Water metabolism in cows fed silage enriched with carbamide] Burkser GV, et al.
Veterinariia 8:79-80, Aug 70 (Rus)
[Participation of the kidneys in electrolyte metabolism and regulation of the acid-base balance in children with pyelonephritis] Ezerskif RF.
Vopr Okhr Materin Det 16:21-6, Mar 71 (Rus)
[Water-salt metabolism in neoplasms] Pashinskif VG.
Vopr Onkol 16:87-93, 1970 (104 ref.) (Rus)
[Effect of protein deficiency on the sodium, potassium and water content in rat organs and tissues] Meshchishen IF, et al.
Vopr Pitan 29:9-11, Jul-Aug 70 (Rus)
[Acid-base equilibrium in prolonged labor] Domínguez Robles H, et al.
Ginecol Obstet Mex 29:419-23, Apr 71 (Spa)
[Water-electrolyte changes. IV. Potassium deficiency and metabolism] Maccioni A.
Rev Chil Pediatr 41:1072-8, Nov-Dec 70 (Spa)
[Water-electrolyte changes. V. Synthesis of the main standard treatment] Maccioni A.
Rev Chil Pediatr 41:1078-83, Nov-Dec 70 (Spa)
[Water-electrolyte changes. 3. Acid-base equilibrium diorder] Maccioni A.
Rev Chil Pediatr 41:1065-72, Nov-Dec 70 (Spa)
[Water electrolyte changes in the infant dehydrated by acute diarrhea. I. Volume deficit and osmolar type of dehydration] Maccioni A.
Rev Chil Pediatr 41:1001-7, Oct 70 (Spa)
[Water-electrolyte changes in the infant dehydrated by acute diarrhea. II. Osmolarity disorders] Maccioni A.
Rev Chil Pediatr 41:1007-14, Oct 70 (Spa)
[Hypoproteinemia, steatorrhea, protein losing enteropathy, calcium and electrolyte loss, atrophy of villi and reversible lymphatic dilatations in a case of an operated esophagus cancer] Gaon D, et al.
Rev Esp Enferm Apar Dig 35:85-94, Jul 71 (Spa)
[Study of sodium and potassium electrolyte regulation on fetal rat tissues] Pascual-Leone AM.
Rev Esp Fisiol 26:315-20, Dec 70 (Spa)
[Restoration of blood volume and distrubances of fluid balance in shock] Thorén L.
Duodecim 87:269-78, 1971 (Swe)
[Fluid balance] Vinnars E.
Sven Tandlak Tidskr 63:1005-12, Dec 70 (Swe)
[Water electrolyte balance] Vinnars E.
Sven Tandlak Tidskr 63:845-50 contd, Nov 70 (Swe)
[Dynamics of liver tissue proteins in connection with formation of the water-electrolytic bile fraction] Esipenko BE, et al.
Fiziol Zh 16:336-40, May-Jun 70 (Ukr)
[Ratio of calcium, potassium and sodium ion excretion with bile during administration of complex mineral solution into the organism] Gmitrova AD.
Fiziol Zh 16:669-72, Sep-Oct 70 (Ukr)
[Effect of energy metabolism inhibitors on membrane potential and electrolyte composition of cells in animals of different age] Korotonozhkin VG.
Fiziol Zh 17:193-9, Mar-Apr 71 (Ukr)
[Effect of hydrocortisone on water- and electrolyte distribution in the central hemispheres of rats] Levchenko MN. Fiziol Zh 16:506-12, Jul-Aug 70 (Ukr)
[Pathogenic therapy of nephritis in children using data of the water-electrolyte balance] Dergil'ova MP.
Pediatr Akush Ginekol 1:12-4, Jan-Feb 70 (Ukr)
[Effect of sublethal and lethal doses of irradiation on the extracellular and intracellular distribution of water in some tissues in rats] Shamraĭ EF, et al.
Ukr Biokhim Zh 42:494-8, 1970 (Ukr)
[Effect of vitamin C on water-salt metabolism in experimental hypoxia] Sokolova VI.
Ukr Biokhim Zh 42:372-6, 1970 (Ukr)

DRUG EFFECTS

Effects of porcine calcitonin on some urine electrolytes in the rat. Aldred JP, et al.
Acta Endocrinol (Kbh) 65:737-50, Dec 70
Conjoint action of sodium and angiotensin on brain mechanisms controlling water and salt balances. Andersson B, et al. Acta Physiol Scand 81:18-29, Jan 71
Effects of estrogens and progesterone on electrolyte balances in normal dogs. Johnson JA, et al.
Am J Physiol 219:1691-7, Dec 70
Endotoxin shock in the subhuman primate. II. Some effects of methylprednisolone administration. Rao PS, et al. Arch Surg 102:486-92, May 71
Enhancement of vasopressin-induced water loss in toad bladder by certain phospholipids. Borowitz JL.
Biochem Pharmacol 19:515-24, Feb 70
Effect of catecholamines and angiotensin on extracellular water and cation movements and the effect of alpha and beta-adrenoceptor blockade. Hettiaratchi ES, et al.
Br J Pharmacol 41:302-16, Feb 71
The effect of tonicity, d-mannitol, d-sorbitol, and choline chloride on the water content of mouse brain slices, and on the compartmentation of the space indicated by 'extracellular space markers'. Cohen SR, et al. Brain Res 23:77-93, 29 Sep 70
Dissociation of the downhill calcium movements from sodium and potassium movements in rat uterus. Batra SC, et al. Can J Physiol Pharmacol 48:768-73, Nov 70
Effects of potassium content in brain-cortex slices from adult rats. Lund-Andersen H, et al.
Exp Brain Res 11:199-212, 1970
Effects of prostaglandins, theophylline, and cholera exotoxin upon transmucosal water and electrolyte movement in the canine jejunum. Pierce NF, et al.
Gastroenterology 60:22-32, Jan 71
The effects of lithium on electroencephalogram, behavior and serum electrolytes. Johnson G, et al.
J Nerv Ment Dis 151:273-89, Oct 70
Effects of prolonged administration of vasopressin on plasma sodium and on renal excretion of electrolytes and water. Chan WY.
J Pharmacol Exp Ther 178:141-51, Jul 71
Effects of ouabain and diphenylhydantoin on transmembrane potentials, intracellular electrolytes, and cell pH of rat muscle and liver in vivo. Williams JA, et al. J Physiol (Lond) 212:101-15, Jan 71
Effect of lithium salts on electrolyte metabolism. Aronoff MS, et al. J Psychiatr Res 8:139-59, Jun 71
Further evidence for angiotensin-sodium interaction in central control of fluid balance. Andersson B, et al.
Life Sci [I] 9:1091-6, 1 Oct 70
Control of water movement in flounder urinary bladder by prolactin. Hirano T, et al.
Nature (Lond) 230:469-70, 16 Apr 71
A sex dependent effect of aldosterone on frog bladder. Rybová R, et al. Naturwissenschaften 57:459-60, Sep 70
Sodium and potassium balance during the administration of desoxycorticosterone in dogs with differing dietary sodium intakes. Ellinghaus K.
Pfluegers Arch 322:347-54, 1971
[Effect on neonates of diuretics given in late pregnancy] Andersen JB.
Nord Med 85:808, 1 Jul 71 (Dan)
[Water-electrolyte changes produced in mouse tissues by toxic doses of ethanol] Thomas HM, et al.
Food Cosmet Toxicol 6:33-8, Jun 68 (Fre)
[Influence of estrogen on plasma cortisol, cortisol binding capacity and electrolyte metabolism during gynecologic operations] Dadze S, et al.
Arch Gynaekol 211:320-1, 4 Jun 71 (Ger)
[Effects of extended application of hydrochlorothiazide on the plasma renin activity and electrolyte balance in adrenalectomized patients] Werning C, et al.
Arzneim Forsch 20:1935-9, Dec 70 (Ger)
[Membrane resting potential and electrolyte content of frog skeletal muscle in situ and its influencing by g-strophantin] Karzel K.
Naunyn Schmiedebergs Arch Pharmakol 270:237-47, 1971 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Effect of some diuretics on electrolyte excretion by the isolated rat kidney] Neugebauer G, et al. Naunyn Schmiedebergs Arch Pharmakol 266:409-10, 1970 (Ger)

[Statistical analysis of the partial results of a collective study on the effect of diuretic measures on water-electrolyte metabolism in hydrops] Horbach L, et al. Verh Dtsch Ges Inn Med 75:207-10, 1969 (Ger)

[The use of infusion solutions. 1. Solutions for the treatment of water-electrolyte balance disorders] Hartig W, et al.
Z Aerztl Fortbild (Jena) 65:317-9, 15 Mar 71 (Ger)

[ERG changes induced by furosemide (Lasix)] Tota G, et al. Ann Ottalmol Clin Ocul 96:93-7, Feb 70 (Ita)

[Changes in osmotic pressure and aqueous humor electrolytes after oral administration of ascorbic acid in rabbit] Missiroli A, et al.
Boll Ocul 48:352-8, May 69 (Ita)

[Clinical evaluation of water-electrolytic exchange and carbohydrate metabolism in massive dose corticosteroid treatment] Uleri G, et al.
Minerva Anestesiol 36:307-14, May 70 (Ita)

[Changes in the electrolytic picture and in the glucidic metabolism in the course of treatment with an hypotensive combination of hypertensive patients with peripheral arteriopathies] Costantini S, et al. Minerva Cardioangiol 17:948-60, Nov 69 (Ita)

[The effect of an adrenocortical inhibitor on urinary 17-ketogenic levels and on water-salt exchange. (Metopirone test. Experimental studies)] Cocuzza S, et al. Minerva Pediatr 21:1197-203, 30 Jun 69 (Ita)

[The effect of pituitrin P on the concentration of sodium and potassium in the walls of rabbit arteries] Rutsaf SV. Biull Eksp Biol Med 67:69-71, Jun 69 (Rus)

[Effect of alkylamides of imidazole- and pyrazole-dicarbonic acids on water-electrolyte balance] Sapronov NS, et al.
Biull Eksp Biol Med 70:58-60, Oct 70 (Rus)

[Effect of dipin and degranol on the kidney function and water-electrolyte composition of the tumor and blood in rats with sarcoma 45] Pashinskif VG. Farmakol Toksikol 34:320-3, May-Jun 71 (Rus)

[A method of studying the hydrouretic component of an osmoregulating system] Merzon AK, et al.
Fiziol Zh SSSR 56:288-91, Feb 70 (Rus)

[Effect of glucocorticoids on some indices of mineral metabolism in chronic berylliosis] Nikitina LS, et al.
Gig Tr Prof Zabol 14:31-4, Sep 70 (Rus)

[The effect of ephedrine on the water-salt metabolism in animals during adaptation to high altitude conditions] Kasmaliev DK.
Sov Zdravookhr Kirg 6:13-7, Nov-Dec 70 (Rus)

[New aspects of membrane equilibrium. Menchanism of action of phytates. Practical consequences] Sánchez López E.
Rev Clin Esp 115:219-26, 15 Nov 69 (Spa)

RADIATION EFFECTS

[Disorders of electrolyte metabolism in the course of the intestinal radiosyndrome] Bouckaert A.
J Belge Radiol 51:89-102, 1968 (38 ref.) (Fre)

[Distribution of electrolytes and water in the blood and plasma after irradiation] Sokolova VI, et al.
Vrach Delo 3:122-4, Mar 71 (Rus)

WATER INTOXICATION (C13)

see also related
WATER-ELECTROLYTE BALANCE (G1)

[E.E.G. study of a case of water intoxication] Rebelo F, et al. Rev Neurol (Paris) 122:529-31, Jun 70 (Fre)

CHEMICALLY INDUCED

Oxytocin-induced water intoxication? Maltby JR, et al.
Can Med Assoc J 103:959 passim, 24 Oct 70

Polydipsia, hydrochlorothiazide, and water intoxication. Beresford HR.
JAMA 214:879-83, 2 Nov 70

ETIOLOGY

Fatal brain swelling and overhydration. Mooiten SE.
J Med Soc NJ 68:509-12, Jun 71

Voluntary water intoxication in a normal child. Pickering LK, et al. J Pediatr 78:316-8, Feb 71

[Dilution hyponatremia in patients with respiratory failure under respirators] Ohresser P, et al.
Mars Med 107:903-5, 1970 (Fre)

METABOLISM

[Carbohydrate metabolism in liver with different state of water metabolism] Zhalilo LI.
Fiziol Zh 16:640-4, Sep-Oct 70 (Ukr)

PHYSIOPATHOLOGY

EEG study of a case of water intoxication. Rebelo F, et al.
Electroencephalogr Clin Neurophysiol 30:254, Mar 71

PREVENTION & CONTROL

Rapid reversal of inappropriate-antidiuretic-hormone syndrome. Greenburg SR, et al. Lancet 1:547, 13 Mar 71

VETERINARY

Dehydration and water intoxication of range cattle. Gray TC. J Am Vet Med Assoc 157:1549-56, 1 Dec 70

WATER MICROBIOLOGY (G1, G3)

Vitamin B12 producing fermentations of sewage sludge origin with a mixed bacterium population. I. Role of individual bacterium species in vitamin B 12 production. Johan B.
Acta Microbiol Acad Sci Hung 17:319-28, 1970

Bioxidation of waste in activated sludge. I. Measuring oxygen respiration of activated sludge by means of polarographic and oxygen probe methods. Buraczewski G, et al.
Acta Microbiol Pol [B] 3:121-4, 1971

Antagonistic relations in some marine psychrotrophic bacteria and enterobacteria. Iturriaga R, et al.
Acta Microbiol Pol [B] 2:243-7, 1970

Isolation of Salmonella typhi-murium from municipal water, Riverside, California, 1965. Boring JR 3d, et al.
Am J Epidemiol 93:49-54, Jan 71

Anbtibiotics and drug resistance in animals. R factors related to fish culturing. Wantanabe T, et al.
Ann NY Acad Sci 182:383-410, 11 Jun 71

Ecology of yeasts from Lake Champlain. Ahearn DG, et al. Antonie van Leeuwenhoek 35:Suppl:D19-20, Jun 69

Isolation and description of a non-motile, fusiform, stalked bacterium, a representative of a new genus. De Bont JA, et al.
Antonie van Leeuwenhoek 36:397-407, 1970

Reduction of iron oxide minerals by a marine Bacillus. De Castro AF, et al.
Antonie van Leeuwenhoek 36:317-27, 1970

Pesticide and herbicide interaction with microbial ecosystems. Kokke R.
Antonie van Leeuwenhoek 36:580-1, 1970

Toxothrix trichogenes (Chol.) Beger et Bringmann: the organism and its biology. Krul JM, et al.
Antonie van Leeuwenhoek 36:409-20, 1970

Yeasts in marine environments. Novozhilova MI, et al.
Antonie van Leeuwenhoek 35:Suppl:D23-4, Jun 69

Yeasts isolated from the Saskatchewan river. Spencer JF, et al.
Antonie van Leeuwenhoek 35:Suppl:D17-8, Jun 69

Hyphomicrobia and the oxidation of manganesse in aquatic ecosystems. Tyler PA.
Antonie van Leeuwenhoek 36:567-78, 1970

Ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:427-35, 1970

A statistical evaluation of the ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:437-44, 1970

Occurrence of Vibrio parahaemolyticus and related hemolytic vibrios in marine environments of Washington State. Baross J, et al.
Appl Microbiol 20:179-86, Aug 70

Occurrence of Vibrio parahaemolyticus in estuarine waters and oysters of New Hampshire. Bartley CH, et al. Appl Microbiol 21:965-6, May 71

Rapid quantitative method for Salmonella detection in polluted waters. Cheng CM, et al.
Appl Microbiol 21:662-7, Apr 71

Interactions between DDT and river fungi. I. Effects of p,p'-DDT on the growth of aquatic hyphomycetes. Dalton SA, et al. Appl Microbiol 20:663-6, Nov 70

Distribution of coliphages in Hong Kong sewage. Dhillon TS, et al. Appl Microbiol 20:187-91, Aug 70

Method for measuring mineralization in lake sediments. Harrison MJ, et al.
Appl Microbiol 21:698-702, Apr 71

Increased recovery rate of salmonellae from stream bottom sediments versus surface waters. Hendricks CW. Appl Microbiol 21:379-80, Feb 71

Detection of Leptospira in soil and water by immunofluorescence staining. Henry RA, et al.
Appl Microbiol 21:953-6, May 71

Seasonal incidence of bacterial temperature types in Louisiana soil and water. Larkin JM.
Appl Microbiol 20:286-8, Aug 70

Synergistic false-positive coliform reaction on M-Endo MF medium. Schiff LJ, et al.
Appl Microbiol 20:778-81, Nov 70

Method for the isolation of proteolytic marine bacteria. Sizemore RK, et al. Appl Microbiol 20:991-2, Dec 70

Incidence of infectious drug resistance among fecal coliforms isolated from raw sewage. Sturtevant AB, et al. Appl Microbiol 21:487-91, Mar 71

Influence of Na+ on synthesis of macromolecules by a marine bacterium. Webb CD, et al.
Appl Microbiol 21:1080-8, Jun 71

Neurovirulence of polioviruses isolated form sewage and stool of healthy children. II. Neurovirulence of strains and types 1 and 3. Verlinde JD, et al.
Arch Gesamte Virusforsch 32:311-7, 1970

A longitudinal study on the significance of examination of sewage for the presence of poliovirus in the population. Wilterdink JB, et al.
Arch Gesamte Virusforsch 32:82-90, 1970

Direct and indirect observations of bacteria on marine pebbles. Batoosingh E, et al.
Can J Microbiol 17:655-64, May 71

Evidence for the release at low salt concentration of a lipid-protein-carbohydrate complex from isolated envelopes and whole cells of a marine pseudomonad. Buckmire FL, et al. Can J Microbiol 17:713-23, May 71

The effect of carbon monoxide inhibition on the growth of an aquatic streptomycete. Francisco DE, et al.
Can J Microbiol 17:347-51, Mar 71

A biodegradability test for insecticides. Halvorson H, et al. Can J Microbiol 17:585-91, May 71

Enteric bacterial metabolism of stream sediment eluates. Hendricks CW.
Can J Microbiol 17:551-6, Apr 71

Isolation and properties of a bacteriophage lytic for a wide range of pseudomonads. Kelln RA, et al.
Can J Microbiol 17:677-82, May 71

Enhancement of algal growth in Cyanophyta-bacteria systems by carbonaceous compounds. Lange W.
Can J Microbiol 17:303-14, Mar 71

Development of a diazinon-degrading bacterium in paddy water after repeated applications of diazinon. Sethunathan N, et al.
Can J Microbiol 17:699-702, May 71

Yeasts from the St. Lawrence River. Simard RE, et al.
Can J Microbiol 17:197-203, Feb 71

Ecological studies on yeasts in the St. Lawrence River. Simard RE, et al. Can J Microbiol 17:353-7, Mar 71

Yeasts isolated from the South Saskatchewan, a polluted river. Spencer JF, et al.
Can J Microbiol 16:1051-7, Nov 70

Nutritional requirements of some marine luminous bacteria. Srivastava VS, et al.
Can J Microbiol 17:703-11, May 71

Particle size, water-stable aggregates, and bacterial populations in lake sediments. Tsernoglou D, et al.
Can J Microbiol 17:217-27, Feb 71

Statistical correlations between total coliform and enterococcus counts in water supply of Tarai region. Thapliyal DC, et al. Indian J Med Res 58:840-4, Jul 70

Isolation of Vibrio cholerae from a well water during a small outbreak of cholera. Godbole SH, et al.
Indian J Med Sci 24:484-6, Aug 70

Microaerophilic biodegradation of tallow-based anionic detergents in river water. Maurer EW, et al.
J Am Oil Chem Soc 48:163-5, Apr 70

Studies on freshwater bacteria: effect of medium composition and method on estimates of bacterial population. Jones JG.
J Appl Bacteriol 33:679-86, Dec 70

Aerobic bacterial flora of the Bahama bank. McCallum MF. J Appl Bacteriol 33:533-42, Sep 70

The precipitation of calcium carbonate from seawater by bacteria isolated from Bahama bank sediments. McCallum MF, et al. J Appl Bacteriol 33:649-55, Dec 70

Structure and arrangement of flagella in species of the genus Beneckea and Photobacterium fischeri. Allen RD, et al. J Bacteriol 107:295-302, Jul 71

Taxonomy of marine bacteria: the genus Beneckea. Baumann P, et al. J Bacteriol 107:268-94, Jul 71

Microbial life at 90 C: the sulfur bacteria of Boulder Spring. Brock TD, et al. J Bacteriol 107:303-14, Jul 71

Chemical detection of microbial prey by bacterial predators. Chet I, et al. J Bacteriol 106:863-7, Jun 71

In vitro ribonucleic acid synthesis in the zoospores of the aquatic fungus Blastociadiella emersonii. Horgen PA. J Bacteriol 106:281-2, Apr 71

Tryptophanase-positive bacteria in the marine environment. Klug MJ, et al.
J Bacteriol 106:283-5, Apr 71

Clostridium oceanicum, sp. n., a sporeforming anaerobe isolated from marine sediments. Smith LD.
J Bacteriol 103:811-3, Sep 70

Control of algae in Alexandria water treatment plant. Hakim KE, et al.
J Egypt Public Health Assoc 45:333-40, 1970

Rice fields used in the sanitation of waste waters. Koltypin YA.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:507-12, 1970

The removal of Coxsackie virus from water by sand obtained from the rapid sand filters of water-plants. Nestor I, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 15:129-36, 1971

Chromobacterium violaceum: pathogenic for man. Snowe RJ. J Infect Dis 123:226, Feb 71

Water--a vehicle of disease dissemination. Reddick RA, et al. J SC Med Assoc 67:56-60, Feb 71

A simple method for the biological assessment of the effects of waste discharges on aquatic bottom-dwelling organisms. Cairns J Jr, et al.
J Water Pollut Control Fed 43:755-72, May 71

Identification of filamentous microorganisms in activated sludge. Farquhar GJ, et al.
J Water Pollut Control Fed 43:804-22, Apr 71

Occurrence of filamentous microorganisms in activated sludge. Farquhar GJ, et al.
J Water Pollut Control Fed 43:779-98, May 71

Biological evaluation of environmental quality, Green

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Bay, Lake Michigan. Howmiller RP, et al.
J Water Pollut Control Fed 43:123-33, Jan 71
Salmonella--its presence in and removal from a wastewater system. Kampelmacher EH, et al.
J Water Pollut Control Fed 42:2069-73, Dec 70
Reduction of Salmonella in compost in a hog-fattening farm oxidation vat. Kampelmacher EH, et al.
J Water Pollut Control Fed 43:1541-5, Jul 71
Coliforms and fecal coliforms in an oyster--growing area. Presnell MW, et al.
J Water Pollut Control Fed 43:407-16, Mar 71
Toxicity of seawater to coliform bacteria. Savage HP, et al. J Water Pollut Control Fed 43:854-61, May 71
A review of the 1970 literature on wastewater and water pollution control.
J Water Pollut Control Fed 43:933-1417, Jun 71 (999 ref.)
Total coliform: fecal coliform ratio for evaluation of raw water bacterial quality.
J Water Pollut Control Fed 43:630-40, Apr 71
Drinking-water standards. Mossel DA.
Lancet 1:84, 9 Jan 71
Preliminary data concerning the use of artificial substrata for the ecological study of periphyton and for the identification of environmental radioactivity in a running-water ecosystem. Zullini A, et al.
Minerva Fisiconucl 14:124-31, Jul-Sep 70
Yeasts isolated from Long Island Sound. Combs TJ, et al. Mycologia 63:178-81, Jan-Feb 71
Lagenisma coscinodisci, a parasite of the marine diatom Coscinodiscus occurring in the Puget Sound, Washington. Gotelli D. Mycologia 63:171-4, Jan-Feb 71
Fungi in the Lebanon sewage treatment plants and in Turtle Creek, Warren Co., Ohio. Cooke WB.
Mycopathol Mycol Appl 42:89-111, 28 Dec 70
Salinity tolerance of Saprolegnia parasitica Coker. Harrison JL, et al.
Mycopathol Mycol Appl 43:297-307, 25 Mar 71
DDT metabolized by microorganisms from Lake Michigan. Matsumura F, et al.
Nature (Lond) 230:325-6, 2 Apr 71
Incidence of river water of Escherichia coli containing R factors. Smith HW.
Nature (Lond) 220:1286-8, 28 Dec 70
Contemporaneous disequilibrium, a new hypothesis to explain the "paradox of the plankton". Richerson P, et al. Proc Natl Acad Sci USA 67:1710-4, Dec 70
Anaerobic digestion in biological waste treatment. Kirsch EJ, et al.
Progr Ind Microbiol 9:155-237, 1971 (169 ref.)
Interaction of pesticides with aquatic microorganisms and plankton. Ware GW, et al.
Residue Rev 33:15-45, 1970 (84 ref.)
Mechanism for the water-to-air transfer and concentration of bacteria. Blanchard DC, et al. Science 170:626-8, 6 Nov 70
Pseudomonas aeruginosa: growth in distilled water from hospitals. Favero MS, et al.
Science 173:836-8, 27 Aug 71
Microbial degradation of organic matter in the deep sea. Jannasch HW, et al. Science 171:672-5, 19 Feb 71
Infectious goiter. London WT, et al.
Science 171:928, 5 Mar 71
Isolation of Entamoeba moshkovskii from the Araguaia river, Central Brazil. Félix-Silva E.
Trans R Soc Trop Med Hyg 65:400, 1971
The recovery of Salmonella dublin from rivers in Anglesey. Hooper RS. Vet Rec 87:583-6, 7 Nov 70
Study of bacterial populations in natural environments by use of submerged electron microscope grids. Hirsch P, et al. Z Allg Mikrobiol 10:589-605, 1970
On methane-oxidizing bacteria in fresh waters. II. A method for the estimation and statistical evaluation of the metabolic turnover of gases by methane-oxidizing bacteria. Naguib M. Z Allg Mikrobiol 10:627-36, 1970
Methane-oxidizing bacteria in fresh waters. 3. The capacity of methane utilization by methane-oxidizing enrichment cultures as revealed by gas chromatographic analyses. Naguib M.
Z Allg Mikrobiol 11:39-47, 1971
Motile marine bacteria. IV. Ionic relationships of marine and terrestrial bacteria. Leifson E.
Zentralbl Bakteriol [Naturwiss] 125:170-206, 1970
[Virological surveys of the presence of enteroviruses in waste water. I. Incidence of polioviruses in Prague at the end of 1968 and in 1969] Zdrazilek J, et al.
Cesk Epidemiol Mikrobiol Imunol 20:67-72, Mar 71 (Cse)
[Detection of viruses in drinking water. (New trials)] Coulon G, et al.
Bull Inst Nati Sante Rech Med 23:1347-54, Nov-Dec 68 (Fre)
[Some epidemiological aspects of leptospirosis in Morocco. Survey on rats. Conditions peculiar to Meknès] Mailloux M.
Bull Soc Pathol Exot 63:547-57, Sep-Oct 70 (Fre)
[Microbiological study of a tightly enclosed marine lagoon. Possible pathologic consequences] Niaussat P, et al.
Bull Soc Pathol Exot 63:160-72, Mar-Apr 70 (Fre)
[Application of the soluble ultrafiltrating membrane technic to virus search in the polluted waters of Tananarive] Coulanges P, et al.
C R Soc Biol (Paris) 164:1672-3, 1970 (Fre)
[Some sources of bacterial contamination in hospitals: epidemiologic study in a cardiovascular surgery department] Sepetjian M, et al.
Lyon Med 225:291-9, 28 Feb 71 (Fre)
[Research in nature for atypic mycobacteria pathogenic for man] Viallier J.
Rev Tuberc Pneumol (Paris) 34:621-2, Jul-Aug 70 (Fre)
[Demonstrability of Salmonella cholerae suis in waste water and river water] Keil R.
Arch Exp Veterinaermed 24:1385-76, 1970 (Ger)
[Detection of Salmonella in effluent from abattoirs and pigsties] Tomescu V, et al.
Arch Exp Veterinaermed 24:187-96, 1970 (Ger)
[Silvering of drinking water in small rural communities] Althaus H.
Arch Hyg Bakteriol 154:574-6, Jul 71 (Ger)
[Cultural determination of enteritis coli in the river water (main drainage channel) with reference to the false larger yield due to fluorescent antibodies] Linde K, et al. Arch Hyg Bakteriol 154:21-7, Jun 70 (Ger)
[A new species of Vitreoscilla (Vitreoscilla proteolytica) in Lake Constance] Perschmann G, et al.
Arch Hyg Bakteriol 154:128-37, Oct 70 (Ger)
[Optimization of fluid enrichment of Escherichia coli in the framework of water analysis] Schubert RH.
Arch Hyg Bakteriol 154:500-8, Apr 71 (Ger)
[Variable growth of microorganism groups on culture media in the determination of bacterial count in water] Selenka F, et al.
Arch Hyg Bakteriol 154:488-99, Apr 71 (Ger)
[Sanitary bacteriological indicators of water pollution under the action of the insecticide Dibutox (DNBF). I. Study of quantitative and qualitative changes] Băiteanu E, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:375-80, 1970 (Ger)
[Sanitary bacteriological indicators of water pollution under the effect of the insecticide Dibutox (DNBF). II. Tricarbocylic acid cycle in E. coli and A. aerogenes] Finichiu M, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:513-9, 1970 (Ger)
[Epidemiologic aspects of veterinary medicine with regard to sewage from hospitals, abattoirs and carcass disposal installations] Aa R von der, et al.
Monatsh Vet Med 24:761-9, 15 Oct 69 (Ger)
[Dermatophytes and other keratinolytic fungi in surface water and sewage] Simordová M, et al.
Mykosen 13:467-71, 1 Sep 70 (Ger)
[Virology and its importance for water hygiene] Primavesi CA.
Oeff Gesundheitswes 33:330-6, Jun 71 (Ger)
[Evaporation in a distillation apparatus as an effective method for preparation of germ-free aqua in a pharmacy] Meyer R. Pharm Prax 5:116-7, May 71 (Ger)
[Bacterial water contamination with special emphasis on salmonellae] Kohl W.
Wien Tieraerztl Monatsschr 57:28-33, Jan 70 (Ger)
[Hospital infection in an obstetrical ward by means of drinking-water] Werner HP, et al.
Z Geburtshilfe Gynaekol 172:304-10, Jun 70 (Ger)
[Occurrence of tuberculosis bacteria in streams] Ancusa M, et al. Z Gesamte Hyg 16:913-6, Dec 70 (Ger)
[The dissemination of salmonella through utilization of waste water in agriculture] Biesold I, et al.
Z Gesamte Hyg 16:609-13, Aug 70 (Ger)
[Bacterial contamination of port waters] Keil R.
Z Gesamte Hyg 16:790-4, Oct 70 (Ger)
[Examinations on the prognostic evolution of the water supply in flat water reservoirs] Ventz D.
Z Gesamte Hyg 16:784-9, Oct 70 (Ger)
[Cum argento-sine argento water degermination] Walter H. Z Gesamte Hyg 16:576-8, Aug 70 (Ger)
[Demonstration of reoviruses in sewage] Knocke KW, et al. Zentralbl Bakteriol [Orig] 203:417-21, 1967 (Ger)
[Intratypic differentiation of poliovirus strains isolated from sewage: consequences for the practise of oral vaccination] Kuwert E, et al.
Zentralbl Bakteriol [Orig] 215:16-25, 1970 (Ger)
[The occurrence of aggiutinating E. coli types in drinking and surface water] Müller G.
Zentralbl Bakteriol [Orig] 203:464-8, 1967 (Ger)
[Enteroviruses and adenoviruses in sewage. Demonstration methods and epidemiological study 1963-1965] Pittler H, et al.
Zentralbl Bakteriol [Orig] 204:33-48, 1967 (Ger)
[The detection of enterovirus in water with the aid of membrane filters] Schneweis KE, et al.
Zentralbl Bakteriol [Orig] 216:128-39, 1971 (Ger)
[Death cases in newborns caused by ps. aeruginosa contaminated drinking-water] Weber G, et al.
Zentralbl Bakteriol [Orig] 216:210-4, 1971 (Ger)
[Systematic study of some strains of Leptospira in drinking water] Castellani Pastoris M, et al.
Ann Ist Super Sanita 6:270-9, 1970 (Ita)
[Comparative study on bacterial water pollution tests in swimming pools] Villa L, et al.
Ann Ist Super Sanita 6:1-8, 1970 (Ita)
[Technics for the virological examinations of water and sewage] Moro S.
G Batteriol Virol Immunol 63:467-84, Sep-Oct 70 (Ita)
[Biological pollution of water and problems connected with its use for drinking purposes] Crovari P.
G Ig Med Prev 10:251-318, Jul-Aug 69 (425 ref.) (Ita)
[Chemical, bacteriological and hydrobiological studies of the state of pollution of the Idice river] Bianucci F, et al. Ig Mod 63:3-14, 1970 (Ita)
[Bacteria isolated from the Adriatic Sea and changes in fish] Cabassi E, et al. Ig Mod 63:140-52, 1970 (Ita)
[Quantitative distribution of organotrophic bacteria present in the sea in front of the city of Pescara] Ciani G, et al. Ig Mod 63:15-24, 1970 (Ita)
[Surface waters: bacteriological problems connected with their use for drinking purposes] Fara GM, et al.
Ig Mod 62:569-89, 1969 (Ita)
[Qualitative distribution of organotrophic bacteria in the Adriatic Sea. II. The area opposite the town of Pescara] Gianelli F, et al. Ig Mod 63:123-39, 1970 (Ita)
[On the behavior in sea water of various strains of virulent and attenuated polioviruses] Leogrande G, et al. Ig Mod 62:705-14, 1969 (Ita)
[Pollution of sea water in the upper Adriatic. 3. Study of the lagoon of Venice and of the adjacent portion of the sea] Majori L, et al. Ig Mod 62:715-49, 1969 (Ita)
[Survey of the Adriatic sea water. II. Study of the zone between the Po and Ravenna] Majori L, et al.
Ig Mod 62:590-613, 1969 (Ita)
[Research on factors conditioning the antibacterial action of sea water] Rizzo G.
Ig Mod 62:789-801, 1969 (Ita)
[The water of San Giorgio al Velabro in Rome] Borgioli A, et al.
Nuovi Ann Ig Microbiol 20:269-78, May-Jun 69 (Ita)
[On the pollution of a water-bearing stratum due to percolation of solid urban wastes] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:451-67, Nov-Dec 68 (Ita)
[On the pollution of the beaches on the Roman riviera. I. Chemical and bacteriological pollution] Muzzi A, et al. Nuovi Ann Ig Microbiol 19:425-43, Nov-Dec 68 (Ita)
[Examination of the characteristics and function of covered and uncovered mineral springs in Euganea and their bacteriological examination for 5 years (1963-1967)] Rampazzo G, et al.
Nuovi Ann Ig Microbiol 20:135-73, Mar-Apr 69 (Ita)
[Influence of storage conditions of water samples on the results of bacteriological tests for sanitary purposes] Haman S.
Rocz Panstw Zakl Hig 21:449-56, 1970 (Pol)
[Plankton and sanitary hydrobiology in tropical tanks with daphne and rotifers] De Oliveira LP, et al.
Mem Inst Oswaldo Cruz 65:115-48, 1967 (Por)
[General and applied hydro-biology, particularly as a vehicle of schistosoma. Hypereutrophy, modern deterioration of water] Oliveira LP de, et al.
Mem Inst Oswaldo Cruz 68:89-118, 1970 (Por)
[Factors involved in the dissemination of enteroparasites. I. Pollution of brooks by enteroparasite cysts and eggs in the city of Riberirão Prêto, São Paulo, Brazil] Marzochi MC.
Rev Inst Med Trop Sao Paulo 12:249-56, Jul-Aug 70 (Por)
[Epidemic caused by water-borne Escherichia coli of serotype O 135 H 11] Basarab I, et al.
Microbiol Parazitol Epidemiol (Bucur) 15:533-5, Nov-Dec 70 (Rum)
[Methods of isolation of viruses from water] Nestor I.
Stud Cercet Inframicrobiol 21:345-57, 1970 (157 ref.) (Rum)
[Epidemic evolution of infectious hepatitis in conditions of intermittent hydric transmissibility in an urban environment (1969-1970)] Teiniceanu A.
Stud Cercet Inframicrobiol 22:123-33, 1971 (Rum)
[Epidemiological aspects of viral hepatitis. Living conditions and water transmission] Teiniceanu A.
Stud Cercet Inframicrobiol 22:113-22, 1971 (Rum)
[Bacteria oxidizing carbon monoxide] Sanzhieva EU, et al. Doki Akad Nauk SSSR 196:956-8, 1 Feb 71 (Rus)
[Means of simultaneous clearing and disinfection of surface waters in expeditions] Alfimov NN, et al.
Gig Sanit 35:86-8, Jun 70 (Rus)
[Survival of entero- and adenoviruses in water] Bagdasar'ian GA, et al. Gig Sanit 36:10-4, 1971 (Rus)
[Sanitary-index significance of coliform bacteria during different conditions of decontamination of water for enteroviruses] Cherkinskiĭ SN, et al.
Gig Sanit 36:7-10, 1971 (Rus)
[Efficacy of underground filtration installations in relation to Salmonella] Duchinskiĭ BM.
Gig Sanit 35:93-4, Oct 70 (Rus)
[Characteristics of distribution of bacteria of the Proteus group in sewage water of various origins] Kalina GP. Gig Sanit 35:100-1, Nov 70 (Rus)
[Factors affecting the quality of underground water in the region of a source of pollution] Kokina AG.
Gig Sanit 35:19-22, Feb 70 (Rus)
[Use of C14 in rapid determination of Escherichia coli in water] Korsh LE, et al.
Gig Sanit 35:83-7, Apr 70 (Rus)
[Survival and conditions for the spread of coliform bacteria in ground waters] Kudriavtseva BM.
Gig Sanit 35:14-9, Jun 70 (Rus)
[Decontamination of water in wells of Vinnitsa with the use of measured chemical-releasing cartridge holders] Maĭstruk PN, et al.
Gig Sanit 35:88-90, Mar 70 (Rus)
[Medico-bacteriological effect of decontamination of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

sewage sediment in aerobic stabilization] Sergunina LA, et al. Gig Sanit 35:22-5, Feb 70 (Rus)
[Resistance of enterococci to chlorine during the disinfection and purification of water at the water works] Turchinskif IN. Gig Sanit 35:95-7, Jul 70 (Rus)
[Characteristics of E. coli isolated from drinking water and their significance as an indication of sanitary quality] Voronkin VE, et al.
Gig Sanit 35:108-9, Aug 70 (Rus)
[Method of testing drinking water for E. coli during ocean voyages] l'piner LI, et al.
Lab Delo 10:631-2, 1970 (Rus)
[Some observations on the conduct of water bacteriological tests according to All-Union State Standards 5215-50 and 5216-50] Natykach IaT.
Lab Delo 4:306-8, 1970 (Rus)
[Comparative study of egg yolk and alkaline agars for separations of Vibrio acid-producers from water] Zyrianov AI. Lab Delo 4:208-10, 1970 (Rus)
[Microbiological processes in Mekhteb Lake] Aliverdieva-Gamidova LA.
Mikrobiologiia 38:1096-110, Nov-Dec 69 (Rus)
[Ecologo-geographic patterns in the distribution of heterotrophic bacteria in the Atlantic ocean] Kriss AE. Mikrobiologiia 39:362-71, Mar-Apr 70 (Rus)
[Interrelations of bacteria and phytoplankton] Potaenko IuS, et al.
Mikrobiologiia 38:722-7, Jul-Aug 69 (Rus)
[Microbiological characteristics of activated sludges purifying waste waters containing formaldehyde, acetaldehyde and crotonic aldehyde] Rogovskaia TsI, et al. Mikrobiologiia 40:370-3, Mar-Apr 71 (Rus)
[Experimental study of bacterial production in water and the consumption of bacteria by daphnia] Romanenko VI.
Mikrobiologiia 39:711-5, Jul-Aug 70 (Rus)
[Respiration rate of water microflora in glass vessels of different volume] Romanenko VI.
Mikrobiologiia 38:1101-3, Nov-Dec 69 (Rus)
[Purple bacteria in the oil strata of the Apsheron peninsula] Rozanova EP, et al.
Mikrobiologiia 39:372-8, Mar-Apr 70 (Rus)
[Microbiological processes and corrosion of metal equipment in flooded oil strata] Rozanova EP, et al.
Mikrobiologiia 38:860-7, Sep-Oct 69 (Rus)
[Experimental evaluation of the effect of pressure and temperature on the metabolism of microbiora in deep ocean waters] Sorokin IuI.
Mikrobiologiia 38:568-72, Sep-Oct 69 (Rus)
[A study of a natural focus of tularemia in the flood plains of the small rivers of the Leningrad district] Ul'ianova NI, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:230-4, 1970 (Rus)
[Viability of Listeria in water and its decontamination] Annagiev AA, et al. Veterinariia 9:25-8, Sep 70 (Rus)
[Comparative viability of several enteroviruses in water with different degrees of pollution] Bagdasar'ian GA.
Zh Mikrobiol Epidemiol Immunobiol 47:96-8, Aug 70 (Rus)
[Acute intestinal diseases and typhoid fever. Epidemiologic parallels] Elkin II, et al.
Zh Mikrobiol Epidemiol Immunobiol 46:119-24, Oct 69 (Rus)
[Urease activity of citrate-positive coliform bacteria as an ecological sign] Kalina GG.
Zh Mikrobiol Epidemiol Immunobiol 47:68-72, Nov 70 (Rus)
[Viability and maintenance of virulence by enteropathogenic Escherichia coli O-124 in milk and water] Voronets NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:136, Jun 70 (Rus)
[Transmission of diseases caused by water-born organisms of animal origin] Diesch SL.
Bol Of Sanit Panam 69:314-30, Oct 70 (92 ref.) (Spa)
[Present status of marine microbiology] Brisou J.
Rev Sanid Hig Publica (Madr) 44:723-37, Jul 70 (Spa)
[Study of bacterial contamination of the molluscs and the beaches of Cadiz] Del rey Calero J.
Rev Sanid Hig Publica (Madr) 45:289-310, Mar 71 (Spa)
[Fungi, yeasts and parasites in seawater] De Rautlin de la Roy Y.
Rev Sanid Hig Publica (Madr) 44:739-63, Jul 70 (Spa)
[Viability of several bacteria and viruses in sewage water sediments] Grigor'eva LV, et al.
Mikrobiol Zh 31:659-64, Nov-Dec 69 (Ukr)
[Formation of vitamin B 12 by microorganisms isolated from active silts] Lazurkevich ZV, et al.
Mikrobiol Zh 31:443-9, Sep-Oct 69 (Ukr)
[Phycomycetes in the sewage water of the Beziudovsk water purifying plant] Logvinenko LI.
Mikrobiol Zh 32:317-23, May-Jun 70 (Ukr)
[Fungi Pythium from the sewage constructions] Meshcheriakova RI. Mikrobiol Zh 32:210-5, 1970 (Ukr)
[Yeast flora of reservoirs contaminated with oil-products] Shchelokova IP, et al.
Mikrobiol Zh 32:642-4, Sep-Oct 70 (Ukr)
[Experiences with water-borne epidemics of paratyphoid fever B] Sokolovski B, et al.
Vojnosanit Pregl 27:442-5, Oct 70 (Cro)

INSTRUMENTATION

Virus in water. I. A preliminary study on a flow-through gauze sampler for recovering virus from waters. Liu OC, et al. Appl Microbiol 21:405-10, Mar 71

RADIATION EFFECTS

The disinfection of industrial and potable water supplies using ultraviolet radiation. Stiff FR. Chem Ind 4:116-20, 23 Jan 71

WATER POLLUTION (G3)

A waterborne epidemic of salmonellosis in Riverside, California, 1965. Epidemiologic aspects. A collaborative report. Am J Epidemiol 93:33-48, Jan 71
Transmission of Schistosoma mansoni in a large body of water. Prentice MA, et al.
Ann Trop Med Parasitol 64:339-48, Sep 70
Observations on some factors affecting the growth rate and fecundity of Biomphalaria glabrata (Say). Sturrock RF, et al.
Ann Trop Med Parasitol 64:349-55, Sep 70
Ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:427-35, 1970
A statistical evaluation of the ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:437-44, 1970
Rapid quantitative method for Salmonella detection in polluted waters. Cheng CM, et al.
Appl Microbiol 21:862-7, Apr 71
Prolonged Salmonella contamination of a recreational lake by runoff waters. Claudon DG, et al.
Appl Microbiol 21:875-7, May 71
Virus in water. I. A preliminary study on a flow-through gauze sampler for recovering virus from waters. Liu OC, et al. Appl Microbiol 21:405-10, Mar 71
Toxicity of zinc, copper and lead to Chlorophyta from flowing waters. Whitton BA.
Arch Mikrobiol 72:353-60, 1970
Water fit to drink. Br Med J 3:719-20, 26 Sep 70
Organic contamination of water on ships. Buczowska Z, et al. Bull Inst Mar Med Gdansk 22:23-8, 1971
Esox lucius and some other organisms as indicators of mercury contamination in Swedish lakes and rivers. Johnels AG, et al.
Bull Off Int Epizoot 69:1439-52, Sep-Oct 68
Polynuclear aromatic hydrocarbons in the water environment. Andelman JB, et al.
Bull WHO 43:479-506, 1970 (252 ref.)
Methylmercury poisoning. An assessment of the sportfish hazard in California. Dales L, et al.
Calif Med 114:13-5, Mar 71
Is the canary dying? The time has come for man, miner of the world's resources, to surface. Goldman CR.
Calif Med 113:21-6, Nov 70
Ancient stench and present-day effluent. Judd CS Jr.
Calif Med 114:44-8, Feb 71
On "chemicals in the environment". Lee RH.
Calif Med 113:64-5, Dec 70
Chemicals in the environment. Rudd HL.
Calif Med 113:27-32, Nov 70
Clean laundry without pollution--a discussion of washfloor supplies. Oehnel E. Can Hosp 48:46-8, Jul 71
Enteric bacterial metabolism of stream sediment eluates. Hendricks CW.
Can J Microbiol 17:551-6, Apr 71
Yeasts isolated from the South Saskatchewan, a polluted river. Spencer JF, et al.
Can J Microbiol 16:1051-7, Nov 70
Environmental pollution.
Can Med Assoc J 103:787-8, 10 Oct 70
Living with technology. The responsibilities of industry. Challis E. Chem Br 7:235-9, Jun 71
Pollution of the seas. Cole HA. Chem Br 7:232-5, Jun 71
Pollution in perspective. Rose JD.
Chem Ind 10:366-8, 6 Mar 71
Detergents as pollutants. Chem Ind 47:1471, 21 Nov 70
A new procedure for purifying water for radiation chemistry. Sassé RA. Health Phys 19:675-9, Nov 70
Lawsuit involving source of hepatitis outbreak. Baumann ER. HSMHA Health Rep 86:19-20, Jan 71
Accumulation of phosphates in water. Holt RF, et al.
J Agric Food Chem 18:781-4, Sep-Oct 70
Loss or damage to animals by stream pollution. Hannah HW. J Am Vet Med Assoc 157:786, 15 Sep 70
Movement of chemicals through the environment. Spencer DA. J Dairy Sci 54:706-12, May 71
Water-borne outbreak of shigellosis at an Indian Bible School. Gordon RC, et al.
J Okla State Med Assoc 63:376-7, Aug 70
Ecology and environment. 1. Health problems of water management. Bradley DJ.
J Trop Med Hyg 73:286-94, Nov 70
Oil--a New York state pollution problem. Bruce WA, et al. J Water Pollut Control Fed 43:500-5, Mar 71
Use and abuse of natural water systems. Busch AW.
J Water Pollut Control Fed 43:1480-3, Jul 71
A simple method for the biological assessment of the effects of waste discharges on aquatic bottom-dwelling organisms. Cairns J Jr, et al.
J Water Pollut Control Fed 43:755-72, May 71
Runoff, solid wastes, and nitrate movement on beef feedlots. Gilbertson CB, et al.
J Water Pollut Control Fed 43:483-99, Mar 71
Aquatic weed decay: dissolved oxygen utilization and nitrogen and phosphorus regeneration. Jewell WJ.
J Water Pollut Control Fed 43:1457-67, Jul 71
Cannery wastewater treatment by high-rate spray on grassland. Law JP Jr, et al.
J Water Pollut Control Fed 42:1621-31, Sep 70
Effects of increased temperature on cold-water organisms. Snyder GR, et al.
J Water Pollut Control Fed 43:890-9, May 71
Mercury pollution: Michigan's action program. Turney WG. J Water Pollut Control Fed 43:1427-38, Jul 71
A review of the 1970 literature on wastewater and water pollution control.
J Water Pollut Control Fed 43:933-1417, Jun 71 (999 ref.)
Methemoglobinemia associated with well water. Miller LW. JAMA 216:1642-3, 7 Jun 71
Effluvial Aphrodite. JAMA 215:1815, 15 Mar 71
Automatic water mixing device. Abram FS.
Lab Pract 19:915-6, Sep 70
Cadmium pollution and Itai-itai disease.
Lancet 1:382-3, 20 Feb 71
More pollution. Lancet 1:958-9, 8 May 71
Notes on some aspects of pollution. Dark EP.
Med J Aust 2:595-7, 26 Sep 70
Air and water pollution in Yokkaichi: on the problems of environmental disruption and its control in Japan. Yoshida K. Mie Med J 20:1-20, May 70
Preliminary data concerning the use of artificial substrata for the ecological study of periphyton and for the identification of environmental radioactivity in a running-water ecosystem. Zullini A, et al.
Minerva Fisiconucl 14:124-31, Jul-Sep 70
Mercury in a coastal marine environment. Burton JD, et al. Nature (Lond) 231:440-2, 18 Jun 71
Source of polychlorinated biphenyl contamination in the marine environment. Holden AV.
Nature (Lond) 228:1220-1, 19 Dec 70
Pollution is a dirty word. Lewin RA.
Nature (Lond) 231:65, 7 May 71
Copper tolerance in the marine fouling alga Ectocarpus siliculosus. Russell G, et al.
Nature (Lond) 228:288-9, 17 Oct 70
Water and industry. Nature (Lond) 231:424, 18 Jun 71
Guillemots and PCBs. Nature (Lond) 230:346-7, 9 Apr 71
Sink or swim. Nature (Lond) 231:141, 21 May 71
Thermal effects. Nature (Lond) 231:85-6, 14 May 71
Defence ministry pays up.
Nature (Lond) 228:1131, 19 Dec 70
River at risk. Nature (Lond) 228:199, 17 Oct 70
Our liquid waste--and the spoilage of the seas. Gunn AD. Nurs Times 67:110-1, 28 Jan 71
Pollution. NZ Med J 72:126-7, Aug 70
Dieldrin and endrin concentrations in a Louisiana estuary. Rowe DR, et al. Pestic Monit J 4:177-83, Mar 71
Monitoring ecological conditions associated with wide-scale applications of DMA 2,4-D to aquatic environments. Wojtalik TA, et al.
Pestic Monit J 4:184-203, Mar 71
3. Effects of particular pollutants. Mercury pollution in Sweden with special reference to conditions in the water habitat. Ackefors H.
Proc R Soc Lond [Biol] 177:365-87, 13 Apr 71
II. Sublethal effects and changes in ecosystems. Assessment of the effects of pollutants on physiology and behaviour. Anderson JM.
Proc R Soc Lond [Biol] 177:307-20, 13 Apr 71
Some changes in intertidal sand communities due to thermal pollution. Barnett PR.
Proc R Soc Lond [Biol] 177:353-64, 13 Apr 71
The effects of heavy metals (other than mercury) on marine and estuarine organisms. Bryan GW.
Proc R Soc Lond [Biol] 177:389-410, 13 Apr 71
Effects of oil and oil dispersants on the marine environment. Shelton RG.
Proc R Soc Lond [Biol] 177:411-22, 13 Apr 71
Mercury in the environment. Goldwater LJ.
Sci Am 224:15-21, May 71
Marine pollution. Abelson PH. Science 171:21, 8 Jan 71
Infectious goiter. London WT, et al.
Science 171:928, 5 Mar 71
Arsenic and water pollution hazard. Pattison EE, et al.
Science 170:870, 20 Nov 70
Pesticide concentration in seawater. Seba DB, et al.
Science 171:928, 5 Mar 71
Arsenic and phosphate: measured by various techniques. Shapiro J. Science 171:234, 22 Jan 71
Arsenic in potable desert groundwater: an analysis problem. Whitnack GC, et al.
Science 171:383-5, 29 Jan 71
Bacterial flora of the intestines of fishes taken from an unpolluted freshwater reservoir. Osbaldiston GW, et al. Trans Kans Acad Sci 73:257-66, Summer 70
Mercurial minamata.
Trans St Johns Hosp Dermatol Soc 56:180-1, 1970
[Helminthological study of Prague swimming pools] Kawaciukovú J.
Cesk Epidemiol Mikrobiol Imunol 20:156-8, May 71 (Cze)
[Typhoid endemy in Finistere. Survey of commune equipment (drinking water, used water, domestic rubbish) and the risk of water pollution] Gaignoux Y,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

et al.
Bull Inst Natl Sante Rech Med 25:1271-305, Nov-Dec 70 (Fre)
[On the repercussions on human health of the consumption of fish of doubtful salubrity] Reichenbach-Klinke HH.
Bull Off Int Epizoot 69:1547-68, Sep-Oct 68 (Fre)
[Pollution and preservation of nature. Problem of water purification] Van Beneden P.
J Pharm Belg 25:475-96, Nov-Dec 70 (Fre)
[Human activity in a coral environment and ciguatera] Bagnis RA.
Med Trop (Mars) 31:285-309, May-Jun 71 (Fre)
[Mycological flora of various birds affected by the "black tide"] Saëz H. Mykosen 14:31-40, 1 Jan 71 (Fre)
[Occurrence of polycyclic aromatic hydrocarbons in coastal waters and their possible effects on human health] Suess MJ.
Arch Hyg Bakteriol 154:1-7, Jun 70 (Ger)
[Measures in drinking water pollution] Eyer H. Dtsch Med Wochenschr 95:2098, 9 Oct 70 (Ger)
[Sanitary bacteriological indicators of water pollution under the action of the insecticide Dibutox (DNBF). I. Study of quantitative and qualitative changes] Bilteanu E, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:375-80, 1970 (Ger)
[Sanitary bacteriological indicators of water pollution under the effect of the insecticide Dibutox (DNBF). II. Tricarbocylic acid cycle in E. coli and A. aerogenes] Finichiu M, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:513-9, 1970 (Ger)
[Bacterial water contamination with special emphasis on salmonellae] Kohl W.
Wien Tieraerztl Monatsschr 57:28-33, Jan 70 (Ger)
[Bacterial contamination of port waters] Keil R.
Z Gesamte Hyg 16:790-4, Oct 70 (Ger)
[Studies of the sorptive behavior of a silicon-containing polyvinylacetate resin with reference to phenol compounds in water] Thielemann H, et al.
Z Gesamte Hyg 16:902-4, Dec 70 (Ger)
[Experimental studies of paper and thin-layer chromatographic isolation and identification of chlorphenols in water] Thielemann H.
Z Gesamte Hyg 17:399-402, Jun 71 (Ger)
[Death cases in newborns caused by ps. aeruginosa contaminated drinking-water] Weber G, et al.
Zentralbl Bakteriol [Orig] 216:210-4, 1971 (Ger)
[Comparative study on bacterial water pollution tests in swimming pools] Villa L, et al.
Ann Ist Super Sanita 6:1-8, 1970 (Ita)
[Action of chlorine on some polycyclic aromatic hydrocarbons. On decontamination of water contaminated with carcinogenic substances] Scassellati Sforzolini G, et al.
Boll Soc Ital Biol Sper 46:903-6, 15 Nov 70 (Ita)
[Drinking water pollution and Pseudomonas aeruginosa infections in a department for premature infants] Panero C, et al.
G Batteriol Virol Immunol 63:517-27, Sep-Oct 70 (Ita)
[Biological pollution of water and problems connected with its use for drinking purposes] Crovari P.
G Ig Med Prev 10:251-318, Jul-Aug 69 (425 ref.) (Ita)
[Possible hygienic repercussions from enzymes used in commercial detergents. I. Enzymatic characteristics] Kanitz S, et al.
G Ig Med Prev 10:177-86, Apr-Jun 69 (Ita)
[Current hygienic aspects of physico-chemical pollution of water and problems connected with its use for drinking purposes] Kanitz S.
G Ig Med Prev 10:319-59, Jul-Aug 69 (141 ref.) (Ita)
[Chemical, bacteriological and hydrobiological studies of the state of pollution of the Idice river] Bianucci F, et al. Ig Mod 63:3-14, 1970 (Ita)
[Evaluation of the potability of the water of a well after the exceptional finding of deep hydrofauna] Carriero E. Ig Mod 62:46-57, 1969 (Ita)
[Findings concerning an unusual pollution of a river in the Marches] Comodo N, et al.
Ig Mod 63:25-37, 1970 (Ita)
[Pollution of sea water in the upper Adriatic. 3. Study of the lagoon of Venice and of the adjacent portion of the sea] Majori L, et al. Ig Mod 62:715-49, 1969 (Ita)
[Survey of the Adriatic sea water. II. Study of the zone between the Po and Ravenna] Majori L, et al.
Ig Mod 62:590-613, 1969 (Ita)
[On the behavior of anionic detergents in ozone-treated water. I. Effect of pH] Verde L, et al.
Ig Mod 62:277-85, 1969 (Ita)
[Are there limits of tolerance for absorption of toxic substances?] Cavagna G.
Med Lav 61:137-40, Mar 70 (Ita)
[Further data on poisoning caused by drinking water from an aqueduct. Comparative study of the mortality of premature twins treated in the 3-year periods of 1961-63 and 1964-66] Osti L.
Minerva Pediatr 22:1045-9, 19 May 70 (Ita)
[Hygienic study of the piped water supply of the province of Siena. 3. Chemical contamination indices] Grasso A, et al.
Nuovi Ann Ig Microbiol 21:270-4, May-Jun 70 (Ita)
[Synthetic detergents as an index of underground water pollution] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:494-508, Nov-Dec 68 (Ita)
[On the pollution of the beaches on the Roman riviera. II. On the pollution due to oil products] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:444-50, Nov-Dec 68 (Ita)
[On the pollution of a water-bearing stratum due to percolation of solid urban wastes] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:451-67, Nov-Dec 68 (Ita)
[On the pollution of the beaches on the Roman riviera. I. Chemical and bacteriological pollution] Muzzi A, et al. Nuovi Ann Ig Microbiol 19:425-43, Nov-Dec 68 (Ita)
[Chemical pollution of the sea by man] Paoletti A.
Nuovi Ann Ig Microbiol 21:243-69, May-Jun 70 (Ita)
[Detection and determination of anionic detergents in deep waters] Bianucci F.
Riv Ital Ig 29:5-10, Jan-Apr 70 (Ita)
[Pollution of river and marine waters as a socio-hygienic problem] Parvis D.
Riv Ital Ig 29:11-31, Jan-Apr 70 (Ita)
[Pollution by vinyl products in Awaji-shima] Kosaka G.
Iryo 24:939-40, Dec 70 (Jap)
[Methods in epidemiologic investigation on air and water pollution]
J Jap Med Assoc 65:587-8, 15 Feb 71 (Jap)
[Pollution problems and the role of local physicians]
J Jap Med Assoc 65:585-6, 15 Feb 71 (Jap)
[Effect of insecticides on organoleptic and physico-chemical properties of water] Luczak J.
Rocz Panstw Zakl Hig 22:113-32, 1971 (Pol)
[Effects of tritox contained in water on the activity of serum cholinesterase in rats] Nowak K.
Rocz Panstw Zakl Hig 21:493-6, 1970 (Pol)
[Significance of coli bacteria atypical in relation to lactose in the sanitary evaluation of water. 3. Survival in water] Ziemińska S.
Rocz Panstw Zakl Hig 21:241-52, 1970 (Pol)
[Plankton and sanitary hydrobiology in tropical tanks with daphne and rotifers] De Oliveira LP, et al.
Mem Inst Oswaldo Cruz 65:115-48, 1967 (Por)
[General and applied hydro-biology, particularly as a vehicle of schistosoma. Hypereutrophy, modern deterioration of water] Oliveira LP de, et al.
Mem Inst Oswaldo Cruz 68:89-118, 1970 (Por)
[Method of calculating the quality of seawater taking into consideration dilution by sewage] Aftsam AM, et al. Gig Sanit 35:22-8, Aug 70 (Rus)
[Medico-toxicologic characteristics and hygienic substantiation of the permissible content of phosbutyl in water reservoirs] Akulov KI.
Gig Sanit 35:40-3, Apr 70 (Rus)
[Express method of calculating sewage dilution in rivers] Bestsennaia MA.
Gig Sanit 35:109-10, Aug 70 (Rus)
[The "barrier" role of modern water purification works in relation to chemical ingredients] Cherkinskii SN, et al. Gig Sanit 35:15-8, Nov 70 (Rus)
[Experience in treating water with potassium permanganate to eliminate taste and odor] Dobrushina SI, et al. Gig Sanit 35:98-100, Apr 70 (Rus)
[Experimental verification of the permissible content of dianate and 2,3,6-trichlorbenzoic acid in water] Golovan' DI. Gig Sanit 35:14-7, Oct 70 (Rus)
[Problems of sanitary protection of water bodies in the pages of foreign journals] Grushko IaM.
Gig Sanit 36:73-5, 1971 (14 ref.) (Rus)
[Factors affecting the quality of underground water in the region of a source of pollution] Kokina AG.
Gig Sanit 35:19-22, Feb 70 (Rus)
[Hygienic assessment of the sodium salt of parachlorobenzene sulfomic acid and chloral as a factor in pollution of water reservoirs] Kriatov IA.
Gig Sanit 35:14-9, Mar 70 (Rus)
[Decontamination of water in wells of Vinnitsa with the use of measured chemical-releasing cartridge holders] Maĭstruk PN, et al.
Gig Sanit 35:88-90, Mar 70 (Rus)
[Comparative sanitary-toxicologic characteristics of vinylmethyladipate and divinyladipate plasticizers and standardization of their content in water] Mironets NV. Gig Sanit 35:88-9, Oct 70 (Rus)
[Hygienic characteristics of the nematocide--nemagon in relation to the sanitary protection of reservoirs] Rakhmatullaev NN. Gig Sanit 36:19-23, 1971 (Rus)
[Hygienic significance of small quantities of fluorine introduced into the body by different routes] Sadilova MS, et al. Gig Sanit 35:14-7, Aug 70 (Rus)
[Outlook for solving the problem of contamination of water by carcinogens] Shabad LM, et al.
Gig Sanit 35:84-9, Aug 70 (25 ref.) (Rus)
[Hygienic standardization of the level of propionic acid and its sodium salt in water reservoirs] Shchepetova GA. Gig Sanit 35:96-8, Mar 70 (Rus)
[Electroencephalographic study of the effect of drinking water temperature on the human organism] Shpil'berg PI, et al. Gig Sanit 36:14-9, 1971 (Rus)
[Combined effect of monoatomic phenols in water reservoirs] Veldre IA. Gig Sanit 35:10-4, Mar 70 (Rus)
[Hygienic standardization of lead and cyanides jointly present in water] Vodichenska TsS.
Gig Sanit 35:73-8, Oct 70 (Rus)
[Toxicological-hygienic characteristics of phthalophos and its standaridzation in the water supply] Vrochinskiĭ KK, et al. Gig Sanit 35:94-6, Dec 70 (Rus)
[Electrolytic treatment of sewage as a method of its deheiminthization] Grebenevich EV, et al.
Med Parazitol (Mosk) 39:315-8, May-Jun 70 (Rus)
[Sanitary-helminthological evaluation of the method of centrifugation of urban sewage sediments] Kebina VIa, et al.
Med Parazitol (Mosk) 39:311-5, May-Jun 70 (Rus)
[On fauna and biology of blood-sucking mosquitoes in the vicinity of the village of Belyĭ Iar, Tiumen region, during 1965. I. Biology of water during various stages] Vinogradskaia ON, et al.
Med Parazitol (Mosk) 39:329-34, May-Jun 70 (Rus)
[Pollution of reservoirs by carcinogenic hydrocarbons] Il'nitskii AP, et al. Vopr Onkol 16:78-82, 1970 (Rus)
[Method of analysis of Sayphos in food products, water and biological substrates] Klisenko MA, et al.
Vopr Pitan 29:81-4, Nov-Dec 70 (Rus)
[Method of determining residual quantitities of a new fungicide, akrex, in cucumbers and drinking water] Shmigidina AM, et al.
Vopr Pitan 29:91-3, Sep-Oct 70 (Rus)
[Urease activity of citrate-positive coliform bacteria as an ecological sign] Kalina GG.
Zh Mikrobiol Epidemiol Immunobiol 47:68-72, Nov 70 (Rus)
[Sanitary protection of wells] Bravo Morate F, et al.
Rev Sanid Hig Publica (Madr) 44:397-445, Apr 70 (Spa)
[Study of bacterial contamination of the mollusca and the beaches of Cadiz] Del rey Calero J.
Rev Sanid Hig Publica (Madr) 45:269-310, Mar 71 (Spa)
[Ichthyosarcotoxism. A medical and health risk of the marine fauna. 3] Gutierrez JM.
Rev Sanid Hig Publica (Madr) 44:1055-112, Oct 70 (Spa)
[Chemical pollution of the sea] Paoletti A.
Rev Sanid Hig Publica (Madr) 44:765-94, Jul 70 (Spa)
[Epidemiological study of a water-borne outbreak of typhoid fever] Sanchez Mariscal T.
Rev Sanid Hig Publica (Madr) 45:311-33, Mar 71 (Spa)
[Phenol-discharge from hospitals a new threat to the environment] Domellöf L.
Lakartidningen 68:6-7, 1 Jan 71 (Swe)
[Environmental poisons, man and the physician] Löfroth G. Lakartidningen 68:2113-22, 28 Apr 71 (Swe)
[Methylmercury in fish: an important health problem] Skerfving S.
Lakartidningen 67:5235-43, 4 Nov 70 (Swe)
[He wanted to promote fishing. Discovery of environmental poisons had a reverse effect] Soller B.
Lakartidningen 68:1503-600, 31 Mar 71 (Swe)
[Yeast flora of reservoirs contaminated with oil-products] Shchelokova IP, et al.
Mikrobiol Zh 32:642-4, Sep-Oct 70 (Ukr)

ANALYSIS

Offensive-odor substance in the evil-smelling fish from the sea polluted by petroleum and petrochemical industrial waste. 1. Identification of offensive-odor substance. Ogata M, et al.
Acta Med Okayama 24:471-81, Aug 70
Use of anion exchange resin-loaded paper in the determination of trace mercury in water by neutron activation analysis. Becknell DE, et al.
Anal Chem 43:1230-3, Aug 71
Polarographic determination of traces of nitrilotriacetate in water samples. Haberman JP.
Anal Chem 43:63-7, Jan 71
Determination of trace amounts of contaminants in water by isotope dilution gas chromatography. Wasik SP, et al. Anal Chem 42:1649-51, Nov 70
Thiomercurimetric determination of hydrogen sulfide in natural waters below and above microgram per liter level. Wronski M. Anal Chem 43:606-7, Apr 71
An automatic method for the determination of hydrogen sulphide in natural waters. Grasshoff KM, et al. Anal Chim Acta 53:442-5, Feb 71
Automatic methods of solvent extraction. II. Continuous extraction of low concentrations of non-ionic detergent from water. Sawyer R, et al. Analyst 95:879-84, Oct 70
Limnology of the Iowa reach of the Mississippi River. Gakstatter JH, et al. Health Lab Sci 8:83-8, Apr 71
The development of methemoglobin in mothers and newborn infants from nitrate in water supplies. Gelperin A, et al. Ill Med J 140:42-4 passim, Jul 71
A comparison of the enterococci index with coliform index as indication of faecal pollution of water. Sen R, et al. Indian J Med Res 58:1164-8, Sep 70
Problems in water analysis for pesticide residues. Bevenue A, et al. J Chromatogr 54:71-6, 6 Jan 71
Gas chromatographic analysis of fecal pollution sterols on a single combined packed column. Tan L, et al.
J Chromatogr 53:209-15, Dec 70
Study of modification of the phenoldisulfonic acid method for the determination of nitrate nitrogen. Sung FC. J Formosan Med Assoc 69:393-8, 28 Aug 70
Hazards from the kitchen tap. Reed CD, et al.
J R Coll Gen Pract 21:289-95, May 71
Biological evaluation of environmental quality, Green Bay, Lake Michigan. Howmiller RP, et al.
J Water Pollut Control Fed 43:123-33, Jan 71
Analysis of water for molecular hydrogen cyanide. Nelson KH, et al.
J Water Pollut Control Fed 43:799-805, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Use of 14 C-glucose to study substrate removal by activated sludge. Robarts RD, et al.
J Water Pollut Control Fed 43:1499-506, Jul 71
Organics. Organics in wastewater. Skrinde RT.
J Water Pollut Control Fed 43:1550-7, Jul 71 (55 ref.)
Environmental researches at the Laboratory of the Government Chemist. Lewis DT.
Lab Pract 20:24-30, Jan 71
Mercury in north-eastern Atlantic Ocean water. Leatherland TM, et al. Nature (Lond) 232:112, 9 Jul 71
Chlorinated hydrocarbon pesticides in Iowa rivers. Johnson LG, et al. Pestic Monit J 4:216-9, Mar 71
Assessment of pollution effects by the use of algae. Burrows EM.
Proc R Soc Lond [Biol] 177:295-306, 13 Apr 71
Objectives of biological pollution studies. Cole HA.
Proc R Soc Lond [Biol] 177:277-8, 13 Apr 71
Monitoring the marine environment. Preston A, et al.
Proc R Soc Lond [Biol] 177:451-62, 13 Apr 71
Techniques for assessment of pollution effects on seabird. Prestt I.
Proc R Soc Lond [Biol] 177:287-94, 13 Apr 71
I. Measurements of pollution effects on living organisms. Bioassays to determine allowable waste concentrations in the aquatic environment. Tarzwell CM. Proc R Soc Lond [Biol] 177:279-85, 13 Apr 71
Environmental mercury: rapid determination in water at nanogram levels. April RW, et al.
Science 170:849-50, 20 Nov 70
[Determination of toxic cyanide ions in the waste water of the biological purifying plants in the district of Halle] Thielemann H.
Z Gesamte Hyg 16:835-7, Nov 70 (Ger)
[Examinations on the problem of detergent-contents in waste waters of some filter plants in the Halle district] Thielemann H.
Z Gesamte Hyg 16:780-4, Oct 70 (Ger)
[Thin-layer chromatography of organophosphorus pesticides used in a study of environmental pollution (Italian surface waters)] Leoni V, et al.
Farmaco [Prat] 26:383-93, Jul 71 (Ita)
[Sampling and analysis of water contaminated with hydrocarbons] Prati L, et al.
Ig Mod 62:614-20, 1969 (Ita)
[The water of San Giorgio al Velabro in Rome] Borgioli A, et al.
Nuovi Ann Ig Microbiol 20:269-78, May-Jun 69 (Ita)
[Dentistry and environmental contamination] Ueda K.
J Jap Dent Assoc 24:3-7, Apr 71 (Jap)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. II. Sewage which flows into rivers in Kumamoto city] Sassa H.
J Kumamoto Med Soc 44:1265-72, 25 Dec 70 (Jap)
[Facility for treatment of night-soils attached to individual houses in Japan and the effect of the effluent from the facility on the pollution of rivers in Kumamoto city. 3. Pollution of rivers in Kumamoto city from 1964 to 1968] Sassa H.
J Kumamoto Med Soc 44:1273-87, 25 Dec 70 (Jap)
[Effects of air and water pollution on agricultural products by Cd, Pb, Zn attributed to mine refinery in Annaka City, Gunma Prefecture] Kobayashi J, et al.
Jap J Hyg 25:364-75, Oct 70 (Jap)
[Organic mercury] Tokuomi H, et al.
Naika 27:833-9, May 71 (Jap)
[Effects of active chlorine and iodine on the capacity to survive in swimming pools of eggs of human intestinal helminths--Ascaris lumbrocoides and Enterobius vermicularis] Iwańczuk I, et al.
Roczn Panstw Zakl Hig 22:179-87, 1971 (Pol)
[Determination of foschlor, dichlorfos (DDVP) and malathion in water by means of thin-layer chromatography] Zyciński D.
Roczn Panstw Zakl Hig 22:189-94, 1971 (Pol)
[Data on a study of the sanitary status of the Lena River] Adreianov VIu, et al.
Gig Sanit 35:96-7, Feb 70 (Rus)
[Characteristics of pollution of water reservoirs by petroleum products in the Tiumen District] Gur'ev AF, et al. Gig Sanit 35:98-9, Mar 70 (Rus)
[Determination of small quantities of polyethylene polyamines in water] Gur'ianova VO, et al.
Gig Sanit 36:64-7, 1971 (Rus)
[Photometric determination of zinc and lead in water by using sulfarsazen] Iagodnitsyn MA.
Gig Sanit 35:62-3, Nov 70 (Rus)
[Hygienic status of water reservoirs in the Donets District] Kartamysheva T, et al.
Gig Sanit 35:26-8, Feb 70 (Rus)
[Hygienic assessment of amyl, primary and secondary octyl alcohols in relation to their standardization in water] Koroiev AA, et al.
Gig Sanit 35:88-9, Sep 70 (Rus)
[Sanitary-hygienic features of methylpyrrolidone as a water contaminant] Meleshchenko KF.
Gig Sanit 35:24-5, Jun 70 (Rus)
[Content of synthetic surface-active agents in water from various sources] Mozhaev EA.
Gig Sanit 35:105-6, Apr 70 (Rus)
[Atomic absorption spectral analysis in hygienic studies] Novikov IuV, et al.
Gig Sanit 35:79-84, Aug 70 (Rus)
[Luminescent analysis in hygienic studies] Novikov IuV, et al. Gig Sanit 35:74-9, Dec 70 (29 ref.) (Rus)
[Hygienic characteristics of treating irrigation canals with new chloroorganic herbicides] Orlovskiĭ VM, et al. Gig Sanit 35:91-2, Nov 70 (Rus)
[Biological effect and level of safety of selenium in its entry into the organism with drinking water] Pletnikova IP. Gig Sanit 35:14-9, Feb 70 (Rus)
[Hygienic standardization of bismuth in water reservoirs] Seliankina KP, et al.
Gig Sanit 35:18-20, Nov 70 (Rus)
[Determination of residual amounts of meturin in water] Soboleva DA, et al.
Gig Sanit 35:84-5, Nov 70 (Rus)
[Hygienic criteria for assessing pesticide pollution of soil] Spynu EI, et al. Gig Sanit 35:79-82, Nov 70 (Rus)
[Limiting permissible concentration of dipropylamine in water reservoirs] Tepliakova EV, et al.
Gig Sanit 35:103-4, Apr 70 (Rus)
[Technics for determining small amounts of Nemagon in water] Vengerskaia KhIa, et al.
Gig Sanit 35:59-60, Mar 70 (Rus)
[Certain hygienic aspects of the use of pesticides in controlling gadfly larvae] Vrochinskiĭ KK.
Gig Sanit 35:99-100, Mar 70 (Rus)
[Colorimetric determination of methylnitrophos in water] Nikolaev AV, et al.
Veterinariia 1:111, Jan 71 (Rus)
[Milieu doctor: one time dialysis, respirator and transfusion save decrepit lakes. Many patients on the waiting list] Soller B.
Lakartidningen 67:4665-71, 7 Oct 70 (Swe)

HISTORY

The case of the poisoned well. A reconstruction based on three papers by Austin Flint. (Flint A), Sartwell PE. Am J Epidemiol 93:150-6, Mar 71

PREVENTION & CONTROL

Chlorination of water as carried out by the Metropolitan Water Board. Cooke AH.
Chem Ind 6:164-9, 6 Feb 71
River quality management. Fish H.
Chem Ind 12:313-6, 20 Mar 71
Pollution control engineering in hospitals. Ryckman DW, et al. Hosp Progr 52:58-63, Feb 71
Kinetics of chemical oxidation of dipyridylium quaternary salts. Gomaa HM, et al.
J Agric Food Chem 19:302-7, Mar-Apr 71
Effect of water pollution control laws on location of dairy products plants in certain United States counties. Montgomery AH Jr.
J Dairy Sci 53:1640-5, Nov 70
Rice fields used in the sanitation of waste waters. Koltypin YA.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:507-12, 1970
Establishing water quality standards--an industrial viewpoint. Byrd JF.
J Water Pollut Control Fed 42:2149-53, Dec 70
Thermal pollution--a cause for concern. Cairns J Jr.
J Water Pollut Control Fed 43:55-66, Jan 71
Chlorination for control of bacteria and viruses in treatment plant effluents. Chambers CW.
J Water Pollut Control Fed 43:228-41, Feb 71
Biological treatment of bleach plant wastes. Charles GE, et al. J Water Pollut Control Fed 42:1725-39, Oct 70
Design of activated carbon adsorption beds. Cookson JT Jr. J Water Pollut Control Fed 42:2124-34, Dec 70
Digestion fundamentals applied to digester recovery--two case studies. Dague RR, et al.
J Water Pollut Control Fed 43:1666-75, Sep 70
The anatomy of an in-transit spill. Garrett JT.
J Water Pollut Control Fed 43:773-8, May 71
Paper industry water quality protection technology--status and needs. Gellman I, et al.
J Water Pollut Control Fed 43:1546-9, Jul 71
The development and evaluation of a pneumatic barrier for restraining surface oils in a river. Grace J, et al.
J Water Pollut Control Fed 42:2074-93, Dec 70
Source control of urban water pollution. Heaney JP, et al. J Water Pollut Control Fed 43:571-9, Apr 71
Salmonella--its presence in and removal from a wastewater system. Kampelmacher EH, et al.
J Water Pollut Control Fed 42:2069-73, Dec 70
Reduction of Salmonella in compost in a hog-fattening farm oxidation vat. Kampelmacher EH, et al.
J Water Pollut Control Fed 43:1541-5, Jul 71
Mass-transfer effects in maintaining aerobic conditions in film-flow reactors. Kehrberger GJ, et al.
J Water Pollut Control Fed 43:1514-27, Jul 71
Review of the federal water quality administration estuarine study findings. Klashman LM, et al.
J Water Pollut Control Fed 43:739-45, May 71
Wastewater treatment plant personnel: image and training. Laehy GJ.
J Water Pollut Control Fed 43:1439-43, Jul 71
Economics of thermal pollution control. Löf GO, et al.
J Water Pollut Control Fed 42:2102-16, Dec 70
Removal of organic nitriles from wastewater systems. Lutin PA.
J Water Pollut Control Fed 42:1632-42, Sep 70
Water and wastewater systems to combat cholera in East Pakistan. McCabe DB.
J Water Pollut Control Fed 42:1968-81, Nov 70
Microstraining paper mill wastewater. Rimer AE.
J Water Pollut Control Fed 43:1528-40, Jul 71
Good management includes effective safety programs. Rogers BG.
J Water Pollut Control Fed 42:1614-20, Sep 70
Enforcement in water pollution control. Stein M, et al.
J Water Pollut Control Fed 43:179-99, Feb 71
Control of pollution from pleasure boats. Turney WG.
J Water Pollut Control Fed 43:447-53, Mar 71
Solution to pollution. McCahill W.
JAMA 215:1326, 22 Feb 71
Pollution and Manitoba. Warner P.
Manit Med Rev 50:14-7, Sep-Oct 70
Control of chemical pollutants. Epstein SS.
Nature (Lond) 228:816-9, 28 Nov 70
Detergers deterred. Nature (Lond) 230:349-50, 9 Apr 71
Water gets worse. Nature (Lond) 230:486-7, 23 Apr 71
Balancing the water budget.
Nature (Lond) 228:1248, 26 Dec 70
Oceans off limits to dumpers.
Nature (Lond) 228:206, 17 Oct 70
Pollution: Aware of the danger.
Nature (Lond) 228:799, 28 Nov 70
Changes in Moskva River.
Nature (Lond) 228:305, 24 Oct 70
Valuing the environment.
Nature (Lond) 228:600, 14 Nov 70
Objectives of biological pollution studies. Cole HA.
Proc R Soc Lond [Biol] 177:277-8, 13 Apr 71
IV. Prevention and monitoring. Pollution prevention. Cronin EL.
Proc R Soc Lond [Biol] 177:439-50, 13 Apr 71
Future research needs. Edwards RW.
Proc R Soc Lond [Biol] 177:463-8, 13 Apr 71
Some practical aspects of water and waste water management and pollution control. Brüggemann HB.
R Soc Health J 91:144-6, May-Jun 71
Water pollution: conservationists criticize new permit program. Bazell RJ. Science 171:266-8, 22 Jan 71
Phosphate replacements: problems with the washday miracle. Hammond AL. Science 172:361-3, 23 Apr 71
Lake Erie: pollution abatement, then what?
Hubschman JH. Science 171:536-40, 12 Feb 71
Pollution and privilege. Landau E.
Science 171:625, 19 Feb 71
Nutrients in Lake Erie. Rosenblum SM, et al.
Science 172:1294-5, 25 Jun 71
[A current problem: the fight against ocean pollution]
Ann Biol Clin (Paris) 28:363-4, 1970 (Fre)
[Ozone-active carbon treatment of sea-water in swimming-pools] Havemeister G, et al.
Arch Hyg Bakteriol 154:447-61, Apr 71 (Ger)
[Cleansing of water and air] Braun R.
Bull Schweiz Akad Med Wiss 26:344-51, Jan 71 (Ger)
[Legislative measures in the struggle against non-biodegradable detergents in various countries] Battiati G. G Ig Med Prev 11:206-9, Jul-Sep 70 (Ita)
[Anti-siphon valve. Proposed system of distribution of drinking water inside buildings] Iacomelli L, et al.
G Ig Med Prev 10:531-40, Dec 69 (Ita)
[Commission of the European Community prepares a program of action on the matter of environmental protection]
Minerva Med 62:Suppl:9-10, Jun-Jul 71 (Ita)
[Largest European plant for purification of industrial waste waters]
Minerva Med 62:Suppl:10, Jun-Jul 71 (Ita)
[Hygienic evaluation of measures for preventing pollution of the Lugan' and Ol'khova Rivers in the Voroshilovgrad region] Burakhovich MS, et al.
Gig Sanit 35:90-2, Dec 70 (Rus)
[Simplified method of determining the boundaries of the sanitary protective zone around underground water intakes] Cherkinskiĭ SN, et al.
Gig Sanit 35:3-10, Dec 70 (Rus)
[Sanitary-index significance of coliform bacteria during different conditions of decontamination of water for enteroviruses] Cherkinskiĭ SN, et al.
Gig Sanit 36:7-10, 1971 (Rus)
[Sanitary protection of reservoirs from pollution by waste waters from the manufacture of glass plastics] Meleshchenko KF, et al.
Gig Sanit 35:96-7, Dec 70 (Rus)
[Hygienic effectiveness of certain sanitation measures for the Belaia river] Murzakaev FG.
Gig Sanit 35:85-7, Nov 70 (Rus)
[Experimental substantiation of the maximum permissible content of pentaerythritol and xylitol in water bodies] Plitman SI. Gig Sanit 36:25-9, 1971 (Rus)

WATER POLLUTION, RADIOACTIVE (G3)

90 Sr and 137 Cs in surface and drinking water in Finland. Salo A.
Acta Radiol [Diagn] (Stockh) Suppl 254:60-3, 1966
Cardiovascular mortality in relation to radioactivity and hardness of local water supplies in the USA. Masironi R. Bull WHO 43:687-97, 1970
Rapid screening of environmental samples using gama

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

spectrometry. Daly JC, et al.
Health Phys 20:640-1, Jun 71
210PoO2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71
210 PoO 2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71
226Ra in contemporary and fossil snow. Jaworowski Z, et al. Health Phys 20:449-50, Apr 71
Measurements of 60Co organ burdens in rats and their use in calculations of equilibrium dose-rates to various organs of man. Smith T, et al.
Health Phys 20:195-204, Feb 71
Initial uptake, distribution and loss of soluble 106 Ru in marine and freshwater organisms in laboratory conditions. Van Der Borght O, et al.
Health Phys 19:801-11, Dec 70
A review of the 1970 literature on wastewater and water pollution control.
J Water Pollut Control Fed 43:933-1417, Jun 71 (999 ref.)
Study of the dispersion of radioactive effluents into a lake. I. Contamination of the bottom sediments. De Bortoli M, et al.
Minerva Fisiconucl 14:190-6, Oct-Dec 70
Preliminary data concerning the use of artificial substrata for the ecological study of periphyton and for the identification of environmental radioactivity in a running-water ecosystem. Zullini A, et al.
Minerva Fisiconucl 14:124-31, Jul-Sep 70
The biological effects of radioactive waste. Woodhead DS. Proc R Soc Lond [Biol] 177:423-37, 13 Apr 71
Radium in aquatic food chains: radium uptake by fresh water algae. Havlik B. Radiat Res 46:490-505, Jun 71
Statistical limits of accuracy and precision of gross alpha and beta radioactivity measurements in water. Baratta EJ, et al.
Radiol Health Data Rep 12:195-8, Apr 71
Environmental monitoring and disposal of radioactive wastes from U.S. Naval nuclear-powered ships and their support facilities, 1970. Miles ME, et al.
Radiol Health Data Rep 12:235-44, May 71
Tritium in streams in the United States, 1961-1968. Wyerman TA, et al.
Radiol Health Data Rep 11:421-39, Sep 70
2. Radionuclides in institutional diet samples, January-March 1970.
Radiol Health Data Rep 11:633-6, Nov 70
Tritium in surface water network January-June 1970.
Radiol Health Data Rep 11:638-9, Nov 70
II. Water. Radiol Health Data Rep 12:151, Mar 71
II. Water. Radiol Health Data Rep 11:463-5, Sep 70
II. Water. Radiol Health Data Rep 11:399-401, Aug 70
II. Water. Radiol Health Data Rep 12:209-10, Apr 71
Environmental levels of radioactivity at Atomic Energy Commission installations.
Radiol Health Data Rep 12:285-98, May 71
II. Water. Radiol Health Data Rep 12:269-71, May 71
Tritium surveillance system, July-December 1970.
Radiol Health Data Rep 12:272-8, May 71
[Preliminary studies on contamination by 137Cs in the annelid polychaete Arenicola marina (L.)] Triquet C, et al. C R Soc Biol (Paris) 164:1636-8, 1970 (Fre)
[Radioactive contamination and biological period] Avio CM. Ann Med Nav (Roma) 75:193-242, May-Jun 70 (Ita)
[Measurement of radioactivity in the sewage from the Ospedale Maggiore of Bologna] Rossi A, et al.
Ig Mod 63:104-12, 1970 (Ita)
[Ecological study of the site of the Nuclear Research Center of Trisaia] Antonelli A, et al.
Minerva Fisiconucl 14:109-19, Jul-Sep 70 (Ita)
[Radioactive pollution of the lagoon of Venice from 1964 to 1969] Calapaj GG, et al.
Minerva Fisiconucl 14:202-12, Oct-Dec 70 (Ita)
[Determination of the efficiency of scintillation crystals immersed in media uniformly contaminated by gamma emitters] De Franceschi L, et al.
Minerva Fisiconucl 13:165-72, Apr-Jun 69 (Ita)
[Substantiation of the maximum permissible concentration of Th 232 and natural thorium in drinking water] Liarskif PP, et al.
Gig Sanit 35:46-51, Jul 70 (Rus)
[Dependence of coefficients of accumulation of strontium-90 in hydrobionts upon ash content] Kulebakina LG.
Radiobiologiia 9:776-7, Sep-Oct 69 (Rus)

ANALYSIS

The determination of low levels of cobalt-60 in environmental waters by liquid scintillation counting. Claassen HC. Anal Chim Acta 52:229-35, Nov 70
A rapid method for the determination of polonium-210 and lead-210 in sea water. Shannon LV, et al.
Anal Chim Acta 52:166-9, Oct 70
Measurement of the radioactivity of natural waters. Birò T, et al. Ann Ist Super Sanita 6:95-105, 1970
Cylindrical plastic scintillators for monitoring beta-gamma-activity in air and water. Barz HG, et al.
Health Phys 18:659-64, Jun 70
A system for continuous monitoring of potential dose rate to the gastrointestinal tract from drinking water. Bramson PE. Health Phys 18:523-7, May 70
Cosmogenic and artificial Na-22 levels in rainwater. Cigna AA, et al. Health Phys 18:379-82, Apr 70
Radioactive pollution of rivers in Czechoslovakia. Havlík B. Health Phys 19:617-24, Nov 70
Particulate Pb, 210Pb and 210Po in the environment. Langford JC. Health Phys 20:331-6, Mar 71
Detection of radiotungsten in rainwater. Mamuro T, et al. Health Phys 20:86-9, Jan 71
A constant geometry approach to in situ seabed gamma monitoring. Reynolds E. Health Phys 20:241-51, Mar 71
Relation between the deposition of long lived fission products and the total dietary ingestion. Strackee L, et al. Health Phys 18:641-8, Jun 70
Monitoring the marine environment. Preston A, et al.
Proc R Soc Lond [Biol] 177:451-62, 13 Apr 71
Radioactive cesium in estuaries. Riel GK.
Radiol Health Data Rep 11:659-65, Dec 70
Environmental survey of uranium mill tailings pile, Mexican Hat, Utah. Sneiling RN.
Radiol Health Data Rep 12:17-28, Jan 71
Radiological health and data reports. IV. Other data. Environmental levels of radioactivity at Atomic Energy installations.
Radiol Health Data Rep 12:113-7, Feb 71
Radiological health and data reports. II. Radioactivity in Washington surface water. July 1968-June 1969.
Radiol Health Data Rep 12:101-6, Feb 71
Radiological health data. II. Water.
Radiol Health Data Rep 12:330, Jun 71
Water sampling program.
Radiol Health Data Rep 12:45, Jan 71
Environmental levels of radioactivity at Atomic Energy Commission installations.
Radiol Health Data Rep 12:70-9, Jan 71
[Strontium in the underground sources of water supply of the central European portion of the USSR] Voroshilov Iul. Gig Sanit 35:113-4, Apr 70 (Rus)

WATER SOFTENING (J)

Fatal arteriosclerotic heart disease, water hardness at home, and socioeconomic characteristics. Comstock GW. Am J Epidemiol 94:1-10, Jul 71
Hypernatremia from water softener malfunction during home dialysis. Nickey WA, et al.
JAMA 214:915-6, 2 Nov 70
[Improving the quality of distilled water used for drinking] Shtannikov EV.
Gig Sanit 35:10-3, Dec 70 (Rus)

WATER SUPPLY (G3)

Fatal arteriosclerotic heart disease, water hardness at home, and socioeconomic characteristics. Comstock GW. Am J Epidemiol 94:1-10, Jul 71
Risk of sudden death in soft water areas. Neri LC, et al.
Am J Epidemiol 94:101-4, Aug 71
The case of the poisoned well. A reconstruction based on three papers by Austin Flint. (Flint A), Sartwell PE. Am J Epidemiol 93:150-6, Mar 71
Hypertension and drinking water constituents in Colorado. Morton WE.
Am J Public Health 61:1371-8, Jul 71
Inflammatory bowel disease and water supply. Aelony Y. Ann Intern Med 73:856-7, Nov 70
Methemoglobinemia from well water nitrates: a complication of home dialysis. Carlson DJ, et al.
Ann Intern Med 73:757-9, Nov 70
Fluoride availability and the prevalence of caries-free naval recruits: a preliminary ten year report. Keene HJ, et al. Arch Oral Biol 16:343-6, Mar 71
Cardiovascular disease and the mineral content of drinking water. Crawford MD, et al.
Br Med Bull 27:21-4, Jan 71 (30 ref.)
Cardiovascular surveys in areas with different water supplies. Elwood PC, et al. Br Med J 2:362-3, 15 May 71
Malformations of central nervous system and softness of local water supplies. Lowe CR, et al.
Br Med J 2:357-61, 15 May 71
Field service. Br Med J 3:494, 28 Aug 71
Mineralization of the sea water distillate on ships. Buczowska Z, et al.
Bull Inst Mar Med Gdansk 21:223-4, 1970
Cardiovascular mortality in relation to radioactivity and hardness of local water supplies in the USA. Masironi R. Bull WHO 43:687-97, 1970
Chlorination of water as carried out by the Metropolitan Water Board. Cooke AH.
Chem Ind 6:164-9, 6 Feb 71
The use of chlorine for water disinfection in industry. Malpas JF. Chem Ind 4:111-5, 23 Jan 71
The disinfection of industrial and potable water supplies using ultraviolet radiation. Stiff FR.
Chem Ind 4:116-20, 23 Jan 71
The mathematical relationship of drinking water lithium and rainfall to mental hospital admission. Dawson EB, et al. Dis Nerv Syst 31:811-20, Dec 70
Schistosomiasis and water works practice in Uganda. Coles GC, et al. East Afr Med J 48:40-3, Jan 71
A system for continuous monitoring of potential dose rate to the gastrointestinal tract from drinking water. Bramson PE. Health Phys 18:523-7, May 70
210 PoO 2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71
Isolation of Vibrio cholerae from a well water during a small outbreak of cholera. Godbole SH, et al.
Indian J Med Sci 24:484-6, Aug 70
Affective response toward uses of reclaimed water. Bruvold WH. J Appl Psychol 55:28-33, Feb 71
Control of algae in Alexandria water treatment plant. Hakim KE, et al.
J Egypt Public Health Assoc 45:323-40, 1970
Seasonal distribution and abundance of females of Simulium aureum Fries (Simuliidae: Diptera) in irrigated areas of Alberta. Shemanchuk JA, et al.
J Med Entomol 8:29-33, 30 Mar 71
Large-scale irrigation and Arbovirus epidemiology, Kano Plain, Kenya. I. Description of the area and preliminary studies on the mosquitoes. Surtees G.
J Med Entomol 7:509-17, Nov 70
Hazards from the kitchen tap. Reed CD, et al.
J R Coll Gen Pract 21:289-95, May 71
Ecology and environment. 1. Health problems of water management. Bradley DJ.
J Trop Med Hyg 73:286-94, Nov 70
Trace element removals in advanced wastewater treatment processes. Linstedt KD, et al.
J Water Pollut Control Fed 43:1507-13, Jul 71
Methemoglobinemia associated with well water. Miller LW. JAMA 216:1642-3, 7 Jun 71
The water story (continued). Connor RC.
Lancet 1:240, 30 Jan 71
Changes in water hardness and local death-rates. Crawford MD, et al. Lancet 2:327-9, 14 Aug 71
Drinking-water standards. Morag M, et al.
Lancet 2:1079, 21 Nov 70
Drinking-water standards. Mossel DA.
Lancet 1:84, 9 Jan 71
Balancing the water budget.
Nature (Lond) 228:1248, 26 Dec 70
A study of the covariation of dental caries prevalence and multiple trace element content of water supplies. Adkins BL, et al. NY State Dent J 36:618-22, Dec 70
Some practical aspects of water and waste water management and pollution control. Brüggemann HB.
R Soc Health J 91:144-6, May-Jun 71
II. Water. Radiol Health Data Rep 12:209-10, Apr 71
II. Water. Radiol Health Data Rep 12:269-71, May 71
Arsenic in potable desert groundwater: an analysis problem. Whitnack GC, et al.
Science 171:383-5, 29 Jan 71
Community water supply--the next ten years.
WHO Chron 25:70-8, Feb 71
[Typhoid endemy in Finistere. Survey of commune equipment (drinking water, used water, domestic rubbish) and the risk of water pollution] Gaignoux Y, et al.
Bull Inst Nati Sante Rech Med 25:1271-305, Nov-Dec 70 (Fre)
[Experimental conditions for inducing in the laboratory chronic interstitial nephritis in laboratory animals by means of natural silicates added to drinking water] Markovic B.
J Urol Nephrol (Paris) 76:695-711, Jul-Aug 70 (Fre)
[Fresh water requirements and the desalting of seawater] Veylon R.
Presse Med 78:2342-3, 5 Dec 70 (Fre)
[Variable growth of microorganism groups on culture media in the determination of bacterial count in water] Selenka F, et al.
Arch Hyg Bakteriol 154:488-99, Apr 71 (Ger)
[Injuriousness to health of drinking water polluted with mineral oil products or lead compounds] Zimmermann W, et al.
Arch Hyg Bakteriol 154:8-13, Jun 70 (Ger)
[Measures in drinking water pollution] Eyer H.
Dtsch Med Wochenschr 95:2098, 9 Oct 70 (Ger)
[Dermatophytes and other keratinolytic fungi in surface water and sewage] Simordová M, et al.
Mykosen 13:467-71, 1 Sep 70 (Ger)
[Direct electrometric determination of fluoride in drinking water from deep wells] Paletta B, et al.
Wien Med Wochenschr 120:32-3, 17 Jan 70 (Ger)
[Experimental studies on the effect of total residues from drinking water springs with a high mineral content on the myocardium] Bordas E, et al.
Z Gesamte Hyg 16:838-43, Nov 70 (Ger)
[Studies on small filtering plants according to TGL 7762] Schmidt GP.
Z Gesamte Hyg 17:112-7, Feb 71 (Ger)
[Oral cancer and trace elements in drinking water] Iványkievicz D, et al. Fogorv Sz 63:321-5, Nov 70 (Hun)
[Problems concerning the drinking water supply on board ships of the Italian merchant marine] Donati BT, et al.
Ann Sanita Pubblica 31:481-5, Jul-Aug 70 (Ita)
[Biological pollution of water and problems connected with its use for drinking purposes] Crovari P.
G Ig Med Prev 10:251-318, Jul-Aug 69 (425 ref.) (Ita)
[Anti-siphon valve. Proposed system of distribution of drinking water inside buildings] Iacomelli L, et al.
G Ig Med Prev 10:531-40, Dec 69 (Ita)
[Possible hygienic repercussions from enzymes used in commercial detergents. I. Enzymatic characteristics] Kanitz S, et al.
G Ig Med Prev 10:177-86, Apr-Jun 69 (Ita)
[Current hygienic aspects of physico-chemical pollution of water and problems connected with its

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

use for drinking purposes] Kanitz S.
G Ig Med Prev 10:319-59, Jul-Aug 69 (141 ref.) (Ita)
[New prospects in the field of water provision] Petrilli FL. G Ig Med Prev 10:227-50, Jul-Aug 69 (Ita)
[Evaluation of the potability of the water of a well after the exceptional finding of deep hydrofauna] Carriero E. Ig Mod 62:46-57, 1969 (Ita)
[Hygienic and sanitary aspects of water supply on ships] Di Rocco P. Ig Mod 62:562-8, 1969 (Ita)
[Surface waters: bacteriological problems connected with their use for drinking purposes] Fara GM, et al. Ig Mod 62:569-89, 1969 (Ita)
[Fluorine in drinking water in the province of Rome] Borgioli A, et al.
Nuovi Ann Ig Microbiol 19:395-409, Nov-Dec 68 (Ita)
[Water supply on small islands: present conditions and future prospects of the Archipelago di La Maddalena] Cioglia L, et al.
Nuovi Ann Ig Microbiol 20:83-96, Mar-Apr 69 (Ita)
[Hygienic study of the piped water supply of the province of Siena. 3. Chemical contamination indices] Grasso A, et al.
Nuovi Ann Ig Microbiol 21:270-4, May-Jun 70 (Ita)
[Synthetic detergents as an index of underground water pollution] Muzzi A, et al.
Nuovi Ann Ig Microbiol 19:494-508, Nov-Dec 68 (Ita)
[Fluorine and nitrate content in pipe-line water in Campania] Renga G, et al.
Nuovi Ann Ig Microbiol 19:410-24, Nov-Dec 68 (Ita)
[Effect of nitrites from well water on peripheral blood erythrocytes in children] Gasiński J.
Pediatr Pol 46:51-5, Jan 71 (Pol)
[Effect of nitrogen compounds contained in well water on children's organisms] Gasiński J.
Pediatr Pol 46:91-4, Jan 71 (24 ref.) (Pol)
[Effect of insecticides on organoleptic and physico-chemical properties of water] Luczak J.
Rocz Panstw Zakl Hig 22:113-22, 1971 (Pol)
[Health aspects of certain methahemoglobininzing agents] Pucu LC.
Rev Sanid Hig Publica (Madr) 44:953-61, Sep 70 (Por)
[Means of simultaneous clearing and disinfection of surface waters in expeditions] Alfimov NN, et al. Gig Sanit 35:86-8, Jun 70 (Rus)
[Sanitary and hygienic evaluation of water desalinated by the EDUM-300-2 electrodialysis installation] Anan'ev NI, et al. Gig Sanit 36:89-90, 1971 (Rus)
[Automation of water treatment at waterworks and control of drinking water quality] Beliaev II, et al. Gig Sanit 35:60-2, Aug 70 (Rus)
[Possibility of using sodium hydrocarbonate waters for drinking supply] Budeev IA, et al.
Gig Sanit 35:9-12, Sep 70 (Rus)
[Hygienic characteristics of fast filters with a porous concrete drainage system] Bukhtoiarov AP.
Gig Sanit 35:88-9, Dec 70 (Rus)
[Hygienic aspects of water desalination] Cherkinskif SN, et al. Gig Sanit 35:74-9, Mar 70 (24 ref.) (Rus)
[The "barrier" role of modern water purification works in relation to chemical ingredients] Cherkinskif SN, et al. Gig Sanit 35:15-8, Nov 70 (Rus)
[Simplified method of determining the boundaries of the sanitary protective zone around underground water intakes] Cherkinskif SN, et al.
Gig Sanit 35:3-10, Dec 70 (Rus)
[Use of mine waters for water supply of Vorkuta] Dorogovtsev VA. Gig Sanit 35:105-6, Aug 70 (Rus)
[Problems of sanitary protection of water bodies in the pages of foreign journals] Grushko IaM.
Gig Sanit 36:73-5, 1971 (14 ref.) (Rus)
[Effect of active chlorine in drinking water on the organism] Gubar' MA, et al.
Gig Sanit 35:18-22, Aug 70 (Rus)
[Hygienic status of water reservoirs in the Donets District] Kartamysheva T, et al.
Gig Sanit 35:86-8, Feb 70 (Rus)
[Boron levels in drinking water in the Armenian SSR] Khachatrian TS. Gig Sanit 35:93-5, Jul 70 (Rus)
[Factors affecting the quality of underground water in the region of a source of pollution] Kokina AG.
Gig Sanit 35:19-22, Feb 70 (Rus)
[Experimental data for substantiating the maximum permissible concentration of cobalt in water] Krasovskif GN, et al. Gig Sanit 36:95-6, 1971 (Rus)
[Problem of the Vologda water supply] Kulanova NA, et al. Gig Sanit 35:106-7, Aug 70 (Rus)
[Water supply of Cherepovets] Kulanova NA, et al.
Gig Sanit 36:92, 1971 (Rus)
[Protection of the water supply of populated places from flood fluctuations] L'vovich DB, et al.
Gig Sanit 36:91, 1971 (Rus)
[Effect of sewage of a solid alloy plant on ground water] Nadeenko VG, et al. Gig Sanit 35:106-8, Apr 70 (Rus)
[Natural content of tungsten in water sources of some population centers of Central and South Urals] Nadeenko VG, et al. Gig Sanit 36:96-7, 1971 (Rus)
[Hygienic assessment of the trace elements in drinking water obtained by partial desalination] Nikolaeva TA, et al. Gig Sanit 35:11-4, Nov 70 (Rus)
[Sanitary condition of the river Zeia in the region of Svobodnyi] Obukhov PF, et al.
Gig Sanit 35:104-5, Aug 70 (Rus)
[Biological effect and level of safety of selenium in its entry into the organism with drinking water] Pletnikova IP. Gig Sanit 35:14-9, Feb 70 (Rus)
[Use of ground waters from the alluvium of the Irtysh catchment area for group water supply systems of the Paviodar region] Popov VV, et al.
Gig Sanit 36:21-5, 1971 (Rus)
[Improving the quality of distilled water used for drinking] Sbtannikov EV.
Gig Sanit 35:10-3, Dec 70 (Rus)
[Effect of desalinated drinking water on the functional state of the organism] Sidorenko GI, et al.
Gig Sanit 36:16-20, 1971 (Rus)
[Role of the mineral composition of drinking water in the accumulation of Sr90 in bone tissues of the adult population] Sukhomlina AN, et al.
Gig Sanit 36:60-3, 1971 (Rus)
[Resistance of enterococci to chlorine during the disinfection and purification of water at the water works] Turchinskif IN. Gig Sanit 35:95-7, Jul 70 (Rus)
[Hygienic efficiency of the sanitary protection zone of the Moscow Canal] Volkova AV.
Gig Sanit 35:103-4, Aug 70 (Rus)
[Characteristics of E. coli isolated from drinking water and their significance as an indication of sanitary quality] Voronkin VE, et al.
Gig Sanit 35:108-9, Aug 70 (Rus)
[Strontium in the underground sources of water supply of the central European portion of the USSR] Voroshilov IuI. Gig Sanit 35:113-4, Apr 70 (Rus)
[Experience in the use of mechanized equipment for eradication of Culicidae larvae in water reservoirs of a large town] Oktiabr'skaia TA, et al.
Med Parazitol (Mosk) 40:210-5, Mar-Apr 71 (Rus)
[New physical method of conserving drinking water] Zhuk EG. Voen Med Zh 7:48-50, Jul 70 (Rus)
[Water disinfection with impulse electric charges] Zhuk EG.
Zh Mikrobiol Epidemiol Immunobiol 48:99-103, Jan 71 (Rus)
[Financing of water supply programs in rural communities in El Salvador] Chico Romero JA.
Bol Of Sanit Panam 69:141-6, Aug 70 (Spa)
[Basic concepts for planning the use of water resources] Fox IK.
Bol Of Sanit Panam 69:147-59, Aug 70 (Spa)
[Contribution to the knowledge of unicellular algae in biostabilization ponds in San Juan, Lima] Vinces A, et al. Bol Of Sanit Panam 70:148-64, Feb 71 (Spa)
[Sanitary protection of wells] Bravo Morate F, et al.
Rev Sanid Hig Publica (Madr) 44:397-445, Apr 70 (Spa)
[Geochemical observations on the water of the Alicante prvovince] Llopis Mari A.
Rev Sanid Hig Publica (Madr) 44:1141-67, Oct 70 (Spa)

ANALYSIS

Minerals in the municipal water and atherosclerotic heart death. Voors AW.
Am J Epidemiol 93:259-66, Apr 71
The development of methemoglobin in mot .s and newborn infants from nitrate in water supplies. Gelperin A, et al. Ill Med J 140:42-4 passim, Jul 71
Hypertension and drinking water. A pilot statewide ecological study in Colorado. Morton WE.
J Chronic Dis 23:537-45, Jan 71
[Oxygen concentration in running water. Possibility of evaluation and verifying the predictions] Provini A, et al. Ig Mod 63:420-38, 1970 (Ita)
[Water supply and dental caries in 2 inhabited centers of the province of Siena] Grasso A, et al.
Nuovi Ann Ig Microbiol 20:124-9, Mar-Apr 69 (Ita)
[Hygienic study of water conducted in the province of Siena. II. Chemical indices of mineralization] Grasso A, et al.
Nuovi Ann Ig Microbiol 20:130-4, Mar-Apr 69 (Ita)
[Linqual fluorescence and certain parameters of health and development of children] Jańczuk Z, et al.
Czas Stomatol 24:229-35, Mar 71 (Pol)
[Case of toxic methemoglobinemia caused by ingestion of well-water in a 4-week-old infant] Kasprzak S, et al.
Pol Tyg Lek 25:1589-90, 19 Oct 70 (Pol)
[Comparative studies on the determination of zinc in water by the colorimetric method] Sikorowska C, et al. Rocz Panstw Zakl Hig 22:17-24, 1971 (Pol)
[Hygienic assessment of artesian well waters of the Tersko-Sulaisk lowland used for drinking water supply] Aliev ShA. Gig Sanit 35:83-4, Sep 70 (Rus)
[Effect of the mineral composition of drinking water on the composition of urinary calculi] Ioshin OI.
Gig Sanit 36:97-8, 1971 (Rus)
[Fluorine in the drinking water of the Kharkov oblast] Lukashenko VI. Gig Sanit 35:87-8, Oct 70 (Rus)
[Veterinary medical rating of water sources--an important process] Raskin MM.
Veterinariia 10:35-6, Oct 70 (Rus)
[New applications of azorubin as a useful reactive in chemical analysis. 3. Study and determination of copper in water] Bosch Serrat F, et al.
Rev Sanid Hig Publica (Madr) 44:545-54, May 70 (Spa)

INSTRUMENTATION

[Examinations on the prognostic evolution of the water supply in flat water reservoirs] Ventz D.
Z Gesamte Hyg 16:784-9, Oct 70 (Ger)

RADIATION EFFECTS

[Bacteriological examinations for disinfecting drinking water of ships by means of ultraviolet irradiation. I] Müller G, et al.
Zentralbl Bakteriol [Orig] 215:555-62, 1970 (Ger)

WATERHOUSE-FRIDERICHSEN SYNDROME (C1, C7)

DRUG THERAPY

[Indications for anticoagulant therapy in pediatrics] Brüster H. Folia Clin Int (Barc) 19:532-9, Nov 69 (Spa)

ETIOLOGY

[On a case of Waterhouse-Friderichsen syndrome appearing shortly after antipoliomyelitic vaccination] Micciolo M. Fracastoro 62:502-11, Sep-Oct 69 (Ita)
[On a case of Waterhouse-Friderichsen syndrome caused by Haemophilus influenzae] Cavinato G, et al.
Pediatria (Napoli) 77:452-8, 1969 (Ita)

PATHOLOGY

The pathology of the Waterhouse-Friderichsen syndrome. Fox B. J Pathol 101:Pxvi, Aug 70

THERAPY

[A case of successful treatment of Waterhouse-Friderichsen syndrome. Pathogenesis and therapy] Lőrinczi K.
Orv Hetil 112:195-7, 24 Jan 71 (Hun)

WATERMARKS see under PAPER (J)

WATSONIUS see under TREMATODA (B1)

WATTLES see under COMB AND WATTLES (A13)

WAXES (D11, D13)

see also related
INLAY CASTING WAX (D13)

Improvements on the technique for the production of wax models of biological structures. Karring T, et al.
Acta Odontol Scand 28:995-16, Dec 70
Sorptive dusts for pest control. Ebeling W.
Annu Rev Entomol 16:123-58, 1971 (121 ref.)
Wax retraction as a technique for compensating the effect of surface irregularities in high-energy radiotherapy. Jackson W. Br J Radiol 43:859-67, Dec 70
Immunological adjuvants. IV. Relationship between adjuvant activity and antigenicity in mycobacterial adjuvant. Ishibashi T, et al.
Experientia 27:96-7, 15 Jan 71
Implantable impermeable flexible encapsulants for artificial organs. Enger CC, et al.
J Biomed Mater Res 5:149-68, 1971
The in vivo antithrombogenicity of waxed surfaces. Whiffen JD, et al. J Biomed Mater Res 4:579-82, Dec 70
In vitro release of aspirin from various wax-coated formulations. Khalil SA, et al.
J Pharm Pharmacol 23:72-4, Jan 71
Immunological adjuvants. V. A critical evaluation of minimal requirements for mycobacterial adjuvants to induce delayed hypersensitivity. Ishibashi T, et al.
Jap J Exp Med 41:95-102, Apr 71
On the use of wax in radium therapy of carcinoma of the cervix uteri by the modified Stockholm method. Nieminen U, et al. Strahlentherapie 140:385-7, Oct 70
[On the chemical structure of wax D and its action in the tissue] Pokorný J, et al.
Pneumonologie 142:231-41, 1970 (Ger)

ANALYSIS

Unusual wax esters from the mandibular canal of the porpoise (Tursiops gilli). Varanasi U, et al.
Biochemistry 9:3629-31, 1 Sep 70
Unique lipids of the porpoise (Tursiops gilli): differences in triacyl glycerols and wax esters of acoustic (mandibular canal and melon) and blubber tissues. Varanasi U, et al.
Biochim Biophys Acta 231:415-8, 16 Mar 71
Human tear film lipids. I. Composition of the principal non-polar component. Andrews JS.
Exp Eye Res 10:223-7, Oct 70
Fatty acid nature and adjuvant activity of wax D from Mycobacterium tuberculosis. Hiu IJ, et al.
J Gen Microbiol 66:239-41, May 71
Naturally occurring long-chain beta-hydroxyketones. Schmid HH, et al. J Lipid Res 12:198-202, Mar 71
The alkyl moieties in wax esters and alkyl diacyl glycerols of sharks. Spener F, et al.
J Lipid Res 12:12-6, Jan 71
Composition of wax esters, triglycerides and diacyl

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

glyceryl ethers in the jaw and blubber fats of the Amazon River dolphin (Inia geoffrensis). Ackman RG, et al. Lipids 6:69-77, Feb 71

[Analysis of ointments, oils and waxes. IX. Application of molecular sieves to the analysis of hydrocarbons] Fawaz F, et al. Ann Pharm Fr 29:179-90, Mar 71 (Fre)

[Constituents of Espeletia schultzii Wedd. 1] Kloss P. Arch Pharm (Weinheim) 302:376-81, May 69 (Ger)

[Purification of the substance with adjuvant activities in tubercle bacilli--adjuvant activities of wax D and cell wall] Azuma I, et al. Jap J Bacteriol 25:424-5, Sep 70 (Jap)

BIOSYNTHESIS

Incorporation of propionate into wax esters by etiolated Euglena. Nagai J, et al. Biochem Biophys Res Commun 42:523-9, 5 Feb 71

Biosynthesis of wax esters in fish. Metabolism of dietary alcohols. Sand DM, et al. Biochemistry 10:2536-41, 22 Jun 71

ISOLATION & PURIFICATION

Immunochemical study of Mycobacteria firmly bound lipids. Hiu IJ, et al. Rev Eur Etud Clin Biol 15:887-91, Oct 70

[Wax D in atypical acid-fast bacteria P6] So H. Jap J Bacteriol 25:425, Sep 70 (Jap)

PHARMACODYNAMICS

[Adjuvant effect of various wax D fractions during development of tuberculin allergy reaction] Someya S, et al. Jap J Bacteriol 25:425-6, Sep 70 (Jap)

[Biological reactions induced by a lipopolysaccharide (wax D) of mycobacteria with special reference to adjuvant activity] Tanaka A. Kekkaku 46:41-51, May 71 (Jap)

STANDARDS

New American Dental Association Specification No. 24 for base plate wax adopted. cCouncilon Dental Materials and Devices. J Am Dent Assoc 82:603-6, Mar 71

Determination of the accuracy of wax interocclusal registrations. Millstein PL, et al. J Prosthet Dent 25:189-96, Feb 71

THERAPEUTIC USE

[Ozokerite (mountain wax) in Soviet medicine] Klauske M. Dtsch Med J 22:426-9, 5 Jul 71 (Ger)

[Effect of sulfur baths at the Nemirov health resort and ozokerite applications on the function of adrenal cortex in patients with chronic eczema] Lavrik AU. Vopr Kurortol Fizioter Lech Fiz Kult 35:228-30, May-Jun 70 (Rus)

WEANING (G1)

Cellular growth in specific nutritional deficiency states in rats. I. Iron deficiency anaemia in post-weanling period. Canale V, et al. Br J Haematol 19:579-86, Nov 70

The effect of the uterine cervical stimulation at postpartum estrus upon the post-weaning fate of the lactational corpora lutea. Takahashi M, et al. Endocrinol Jap 17:5-12, Feb 71

Effect of lambing season on birth weight and weaning weight of Baunur sheep. Gangwar VS, et al. Indian Vet J 47:1084-6, Dec 70

Early weaning of buffalo calves. 2. Concentration of total volatile fatty acids and ammonia in the rumen fluid and nitrogenous constituents in the blood. Singh N, et al. Indian Vet J 47:730-7, Sep 70

Early weaning of buffalo calves. I. Concentrations of bacteria and protozoa in the rumen fluid. Singh N, et al. Indian Vet J 47:660-7, Aug 70

Weaning. Wagner LC. J Am Osteopath Assoc 70:977-8, May 71

Effectiveness of reciprocal selection for performance of crosses between Montana no. 1 and Yorkshire swine. II. Postweaning traits. Krehbiel EV, et al. J Anim Sci 32:211-24, Feb 71

Effectiveness of reciprocal selection for performance of crosses between Montana no. 1 and Yorkshire swine. I. Preweaning traits. Krehbiel EV, et al. J Anim Sci 32:191-210, Feb 71

Relationships between cow weights and calf weaning weights in angus, charolais and Hereford breeds. Urick JJ, et al. J Anim Sci 33:343-8, Aug 71

Genetic and maternal effects on preweaning growth and type score in beef calves. Vesely JA, et al. J Anim Sci 32:825-31, May 71

Relationship between insulin concentrations in plasma and pancreas of oetal and weanling rats. Blázquez E, et al. J Endocrinol 48:553-61, Dec 70

The effect of dietary lactobacilli on in-vitro catabolic activities of the small-intestinal microflora of newly weaned pigs. Hill IR, et al. J Med Microbiol 3:593-605, Nov 70

Home made weaning foods for Ethiopian children. Selinus R. J Trop Pediatr 16:188-94, Dec 70

Nutritional problems in the weaning period (report on a seminar in Addis Abada, Ethiopia 3-15 March, 1969). Taba AH. J Trop Pediatr 16:211-48, Dec 70

An ultrastructural study of intestinal mitochondrial morphology during the absorption of various nutrients and water in suckling rats. González-Licea A. Lab Invest 24:273-8, Apr 71

Use of radioisotope techniques for determining the weaning period in experimental animals. Babický A, et al. Physiol Bohemoslov 19:457-67, 1970

Influence of premature weaning, diet and breeding on the frequency of spontaneous calcifying arteriopathy in rats. Kubát K. Physiol Bohemoslov 19:357-62, 1970

Thyroid and adrenal function in prematurely weaned rats. Macho L, et al. Physiol Bohemoslov 19:77-82, 1970

Are neurophysiological disturbances caused by premature weaning in rats reversible? Nováková V. Physiol Bohemoslov 19:477-82, 1970

The production of amines in the alimentary tract of the pig in relation to dietary lactobacilli, weaning and post-weaning diarrhoea. 2. In vitro studies of the catabolic activity of the small intestinal microflora. Hill IR, et al. Proc Nutr Soc 29:Suppl:14A+, May 70

The production of amines in the alimentary tract of the pig in relation to dietary lactobacilli, weaning and post-weaning diarrhoea. 1. In vivo studies of intestinal and urinary amines. Porter P, et al. Proc Nutr Soc 29:Suppl:13A+, May 70

Carcinogenic activity of aliphatic nitrosamines via the mother's milk in the offspring of Syrian golden hamsters. Mohr U, et al. Proc Soc Exp Biol Med 136:1007-9, Mar 71

Studies of the effect of dietary lactobacilli on intestinal and urinary amines in pigs in relation to weaning and post-weaning diarrhoea. Hill IR, et al. Res Vet Sci 11:320-6, Jul 70

Maladjustment syndrome in the artificial rearing of early weaned lambs. Lawlor MJ, et al. Vet Rec 88:260-1, 6 Mar 71

[Study of Ciperus esculentus amino acids with regard to its value in weaning food] Tahiri-Zagret M. Bull Soc Pathol Exot 63:279-86, Mar-Apr 70 (Fre)

[Effect of hydrocortisone and adrenalectomy on sucrase activity of rat intestine during weaning] Galand G, et al. C R Acad Sci [D] (Paris) 271:1107-10, 28 Sep 70 (Fre)

[Importance of the weaning period on brain function and structure in white rats] Sterc J, et al. J Physiol (Paris) 63:96A-97A, Mar-Apr 71 (Fre)

[Morphologic and physiologic changes of the calf-stomach in early weaning] Hänlein G, et al. Z Tierphysiol 21:327-37, Oct 66 (176 ref.) (Ger)

WEATHER (G3)

Air pollution, mortality, and weather. New York City, 1960-1964. Glasser M, et al. Arch Environ Health 22:334-43, Mar 71

Wind flow and respiratory mortality in Los Angeles. Mahoney LE Jr. Arch Environ Health 22:344-7, Mar 71

Effects of environment on respiratory function. 3. Weekly studies on young male adults. Spicer WS Jr, et al. Arch Environ Health 21:635-42, Nov 70

Global air pollution--meteorological aspects. A survey. Munn RE, et al. Atmos Environ 5:363-402, Jun 71 (85 ref.)

Distribution of sulfur dioxide over metropolitan St. Louis, as described by empirical eigenvectors, and its relation to meteorological parameters. Peterson JT. Atmos Environ 4:501-18, Sep 70

Association between rainfall and esophageal cancer in Chile. Zaldívar R, et al. Beitr Pathol 142:403-6, 1971

Streamlined athlete. Br Med J 2:294, 8 May 71

The Stormont "wet day" forecasting system for fascioliasis. Ross JG. Br Vet J 126:401-8, Aug 70

Meterological aspects of air pollution. McBoyle GR. Can J Public Health 62:133-8, Mar-Apr 71

Hiking--weather or not. Adam JM. Community Health (Bristol) 1:39-46, Jul-Aug 69

The mathematical relationship of drinking water lithium and rainfall to mental hospital admission. Dawson EB, et al. Dis Nerv Syst 31:811-20, Dec 70

Studies on the population dynamics of B. (P.) nasutus and natural S. haematobium infection rates in relation to rainfall at Misungwi and Usagara, Mwanza. Baalawy SS, et al. East Afr Med J 47:472-8, Sep 70

Rainfall and admissions for the nephrotic syndrome in Uganda. Kibukamusoke JW. East Afr Med J 48:13-5, Jan 71

Excess mortality associated with three Los Angeles September hot spells. Oechsli FW, et al. Environ Res 3:277-84, Nov 70

Cosmogenic and artificial Na-22 levels in rainwater. Cigna AA, et al. Health Phys 18:379-82, Apr 70

210 PoO 2 movement in a mountain watershed soil. Hansen WR, et al. Health Phys 20:425-9, Apr 71

226 Ra in contemporary and fossil snow. Jaworowski Z, et al. Health Phys 20:449-50, Apr 71

Erosional behavior of Cesium-137. Rogowski AS, et al. Health Phys 18:467-77, May 70

Sex ratio in the Australian capital territory. Lyster WR. Hum Biol 42:670-8, Dec 70

The relationship between weather and mortality in ten major metropolitan areas in the United States, 1962-1965. Driscoll DM. Int J Biometeorol 15:23-39, Mar 71

Rainfall and plague in Vietnam. Olson WP. Int J Biometeorol 14:357-60, Dec 70

Role of air temperature and wind in the time necessary for a finger to freeze. Wilson O, et al. J Appl Physiol 29:858-64, Nov 70

The outbreak of foot-and-mouth disease in Worcestershire. An epidemiological study: with special reference to spread of the disease by wind-carriage of the virus. Henderson RJ. J Hyg (Camb) 67:21-33, Mar 69

Develpoment and survival of infective larvae of the cattle nematode, Ostertagia ostertagi. Williams JC, et al. J Parasitol 57:327-38, Apr 71

The influence of wind resistance in running and walking and the mechanical efficiency of work against horizontal or vertical forces. Pugh LG. J Physiol (Lond) 213:255-76, Mar 71

Possible wind transport of coffee leaf rust across the Atlantic Ocean. Bowden J, et al. Nature (Lond) 229:500-1, 12 Feb 71

Clean air act. Lawrence EN. Nature (Lond) 229:334-5, 29 Jan 71

Bats and fog. Pye JD. Nature (Lond) 229:572-4, 19 Feb 71

The Kennedy airport snow-in: an inquiry into intergroup phenomena. Hammerschlag CA, et al. Psychiatry 34:301-8, Aug 71

Cardiovascular parameters in shorn sheep prior to and during their exposure to a cold, wet environment. Panaretto BA, et al. Q J Exp Physiol 56:101-7, Apr 71

A tornado warning mechanism for isolated communities, farms and ranches. Gregg JB. SD J Med 24:15, Jun 71

The height and direction of non-host oriented flight, and the age, of Anopheles melas in relation to wind direction in the Gambia, West Africa. Snow WF, et al. Trans R Soc Trop Med Hyg 64:477, 1970

The epidemiology of fascioliasis in Northern Ireland. Ross JG. Vet Rec 87:370-2, 26 Sep 70

Drought in South Western Australia. White JB. Vet Rec 87:796-800, 26 Dec 70

[Influence of meteorologic conditions on atmospheric micromycetes in a kinetic study of 100 hours] Isoard P, et al. Mykosen 14:213-24, 1 May 71 (Fre)

[Meteorologic factors and heart attack] Merien JF, et al. Presse Therm Climat 106:236-40, 1969 (Fre)

[Weather influences on postoperative pains] Zenker H. Dtsch Gesundheitsw 25:418-24, 5 Mar 70 (Ger)

[Vitamins from clouds] Dtsch Med Wochenschr 95:2629-30, 25 Dec 70 (Ger)

[New aspects in the technics of medical meteorologic research and their results] Daubert K. Hippokrates 41:515-7, Dec 70 (Ger)

[Medical meteorologic problems of the Föhn] Daubert K. Hippokrates 41:517-9, Dec 70 (Ger)

[Weather, climate and man] Jores A. Munch Med Wochenschr 113:361-3, 12 Mar 71 (Ger)

[Properties of the subalpine climate and their significance for medicine] Gaumitz E. Ther Ggw 109:989-1004, Jul 70 (Ger)

[The history of meteropathology and the role of Sándor Benkő] (Benkő S), Regöly-Mérei G. Orv Hetil 112:333-5, 7 Feb 71 (Hun)

[Observation of air pollution with the aid of continuous analysers. 3. Correlation between the concentration of various kinds of pollutants in atmosphere and wind direction and velocity at Kasumigaseki, central district of Tokyo] Tsuji K, et al. Bull Nati Inst Hyg Sci (Tokyo) 88:30-6, 1970 (Jap)

[Hygienic studies on the weather in Kumamoto district. 3. Relation between the air pollution and weather in Kumamoto city. Arao city and Yatsushiro city] Tsutae T. J Kumamoto Med Soc 44:1238-47, 25 Dec 70 (Jap)

[Biometerological studies on 17-ketosteroids excretion] Sawabe Y. Jap J Hyg 25:393-407, Oct 70 (Jap)

[Relationship between meteorological conditions and mortality. 15] Inokawa T, et al. Nippon Ika Daigaku Zasshi 37:376-92, 1970 (Jap)

[Relationship between meteorological conditions and mortality. 14] Inokawa T, et al. Nippon Ika Daigaku Zasshi 37:363-75, 1970 (Jap)

[Relationship between meteorological conditions and mortality. 16] Inokawa T. Nippon Ika Daigaku Zasshi 38:92-101, Apr 71 (Jap)

[Meteorolgic factors and their impact on the human system] Baranowska M, et al. Pol Tyg Lek 25:1473-5, Sep 70 (11 ref.) (Pol)

[Importance of meterological factors in the onset of cerebral vascular accidents] Mircea T, et al. Neurol Psihiatr Neurochir 16:53-8, Jan-Feb 71 (Rum)

[Air pollution. II. Meteorological aspects of pollution in cities] Serra-Castelán S, et al. Gac Med Mex 100:257-62, Mar 70 (Spa)

WEBER-CHRISTIAN DISEASE see PANNICULITIS, NODULAR NONSUPPURATIVE (C12)

WECHSLER SCALES see under INTELLIGENCE TESTS (E1, F3)

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WEGENER'S GRANULOMATOSIS (C5, C6, C8, C17)

Wegener's granulomatosis. O'Brien ET, et al.
Br J Clin Pract 24:427-9, Oct 70
Wegener's granulomatosis. Report of a case running a protracted course with a discussion of the therapeutic possibilities. Rordam P, et al.
Dan Med Bull 18:43-6, May 71
Granulomatous polyarteritis. Wegener's granulomatosis "limited form". Iglesias PA, et al.
J Kans Med Soc 71:460-4, Dec 70
Wegener's granuloma complicating pregnancy. Cooper K, et al.
J Obstet Gynaecol Br Commonw 77:1028-30, Nov 70
[Wegener's syndrome: an anatomoclinical case] Bousquet O, et al.
Ann Med Interne (Paris) 122:199-206, Feb 71 (Fre)
[Wegener's granulomatosis. Clinical, immunological and autopsy findings] Maas D, et al.
Schweiz Med Wochenschr 101:141-8, 6 Feb 71 (Ger)
[Granuloma gangraenescens and Wegener's granulomatosis. Clinical report of 5 cases. Immunohistopathologic findings and current pathogenetic trends] De Amicis E, et al.
Otorinolaringol Ital 38:315-426, 1971 (Ita)
[Wegener's granulomatosis] Ishikura T.
Otolaryngology (Tokyo) 42:789-93, Oct 70 (Jap)
[Wegener's disease] Epel'baum LM, et al.
Biull Eksp Biol Med 71:92-3, Mar-Apr 71 (Rus)

COMPLICATIONS

Laryngeal manifestations of Wegener's granuloma. Thomas K. J Laryngol Otol 84:101-6, Jan 70
Marginal (ring) corneal ulcer as presenting manifestation of Wegener's granuloma. A clinicopathologic study. Ferry AP, et al.
Trans Am Acad Ophthalmol Otolaryngol 74:1276-82, Nov-Dec 70
[Eye involvement in colagenoses] Meythaler H.
Med Welt 22:1018-20, 30 May 70 (Ger)
[A solitary coin lesion of the lung caused by Wegener's granulomatosis] Wendel H, et al.
Z Gesamte Inn Med 24:329-32, 1 Jun 69 (Ger)

DIAGNOSIS

Wegener's granulomatosis. Br Med J 3:446, Aug 71
Wegener's granulomatosis. Lewis JG.
Proc R Soc Med 64:808, Aug 71
[Wegener's granulomatosis in bronchoscopic picture] Bohut V, et al. Cesk Otolaryngol 20:39-42, Feb 71 (Cze)
[Centro-facial malignant granuloma (Wegener's syndrom)] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 77:489-91, 1970 (Fre)
[Diagnosis of Wegener's granulomatosis in rhino-oto-laryngeal region] Langnickel R, et al.
Dtsch Med Wochenschr 95:2574-5, 18 Dec 70 (Ger)
[Wegener's granulomatosis. Differential diagnosis of internal diseases] Bach GL, et al.
Med Welt 35:1333-5, 28 Aug 71 (Ger)
[On Wegener's granulomatosis] Schneider V, et al.
Z Gesamte Inn Med 24:321-8, 1 Jun 69 (Ger)
[Granuloma gangraenescens] Bonelli U.
Arch Ital Dermatol Venereol Sessuol 36:90-106, 1969 (Ita)
[Wegener's granulomatosis and reticulum cell sarcoma of the nose] Watanabe Y, et al.
J Otolaryngol Jap 74:105-13, 20 Jan 71 (Jap)
[On a case of Wegener's granulomatosis diagnosed intra vitam] Iordăchescu G, et al.
Med Interna (Bucur) 23:249-55, Feb 71 (Rum)

DRUG THERAPY

Methotrexate therapy of Wegener's granulomatosis. Capizzi RL, et al. Ann Intern Med 74:74-9, Jan 71
Wegener's granulomatosis: treatment with cytotoxic agents and adrenocorticoids. Raitt JW.
Ann Intern Med 74:344-56, Mar 71
The treatment of Wegener's granulomatosis with immunosuppressive-cytotoxic drugs. Froud PJ, et al.
J Laryngol Otol 85:703-10, Jul 71
Cyclophosphamide therapy in Wegener's granulomatosis. Novack SN, et al.
N Engl J Med 284:932-42, 29 Apr 71
A case of Wegener's disease. Bangma M.
Pract Otorhinolaryngol (Basel) 32:187-9, 1970
[Immunosuppressive therapy of Wegener's granulomatosis. Review of the therapeutic possibilities and 2 cases] Jorgensen KE.
Ugeskr Laeger 132:1549-51, 20 Aug 70 (Dan)

PATHOLOGY

Breast involvement in Wegener's granulomatosis. Pambakian H, et al. J Clin Pathol 24:343-7, May 71
[Granuloma gangraenescens, Wegener's granulomatosis, malignant reticulosis] Trobbin H.
Monatsschr Ohrenheilkd Laryngorhinol 105:85-91, Feb 71 (Ger)
[Characteristic coronary changes in Wegener's granulomatosis] Veress B, et al.
Zentralbl Allg Pathol 114:350-2, 1971 (Ger)
[Clinicopathological conference. No. 39. A case with epistaxis, saddle nose, abnormal shadow of the lung and albuminuria and fatal hemoptysis after one and one half years of follow-up] Yamada K, et al.
Jap J Clin Med 28:2902-10, Dec 70 (Jap)
[Autopsy case of Wegener's granulomatosis with marked pulmonary involvement] Nakajima S, et al.
Saishin Igaku 25:2189-96, Oct 70 (Jap)
[Autopsy case of Wegener's granulomatosis] Sasao T, et al. Saishin Igaku 25:2357-66, Nov 70 (Jap)

RADIOGRAPHY

Wegener's granulomatosis of lung: diagnosis and treatment. Experience with 12 cases. Israel HL, et al.
Ann Intern Med 74:881-91, Jun 71
Pulmonary abnormalities in the necrotizing vasculitides and their rapid response to steroids. Levin DC. Radiology 97:521-6, Dec 70
Wegener's granulomatosis, lymphomatoid variant. Smith SR, et al. Radiology 98:439-44, Feb 71

RADIOTHERAPY

[A case of considerable bone destruction of the skull along with the impairment of the cranial nerves in the course of an x-ray treatment of a neoplasm] Kulisiewicz T, et al.
Wiad Lek 23:1567-70, 15 Sep 70 (Pol)

THERAPY

Wegener's granulomatosis of lung: diagnosis and treatment. Experience with 12 cases. Israel HL, et al.
Ann Intern Med 74:881-91, Jun 71

WEIGHT PERCEPTION (F1)

Children's use of context in judgment of weight. O'Reilly E, et al. Child Dev 41:1095-101, Dec 70
Stimulus mode and the conservation of weight and number. Murray FB. J Educ Psychol 61:287-91, Aug 70
Test of adaptation-level theory as an explanation of a recency effect in psychophysical integration. Anderson NH. J Exp Psychol 87:57-63, Jan 71
Spatial and temporal interaction in tactile adaptation. Carmon A, et al. Percept Mot Skills 32:427-33, Apr 71
Body boundary and stimulus enhancement. Cauthen NR, et al. Percept Mot Skills 32:559-63, Apr 71
On Usnadze's volume illusion. Bergman L.
Psychol Forsch 33:310-24, 1970
Conservation of mass, weight, and volume in intermediate grades. Bat-Haee MA.
Psychol Rep 28:163-8, Feb 71
[Biomechanical and autonomic reactions in man during reproductive suggestion in hypnosis of different gravitational effects] Grimak LP.
Zh Vyssh Nerv Deiat 20:1155-60, Nov-Dec 70 (Rus)

WEIGHTLESSNESS (H)

Animal restraint: application in space (weightless) environment. Burton RR, et al.
Aerosp Med 41:1060-5, Sep 70
Sleep-wake activity patterns of a Macaca nemestrina monkey during nine days of weightlessness. Hoshizaki T, et al. Aerosp Med 42:288-95, Mar 71
A mass measuring device for use with biological specimens in zero-gravity environment. Gardner MS, et al. Med Biol Eng 7:601-6, Nov 69
Space flight: death on re-entry.
Nature (Lond) 232:78, 9 Jul 71

WEIGHTS AND MEASURES (H)

Ergonomics guide to manual lifting.
Am Ind Hyg Assoc J 31:511-6, Jul-Aug 70
How much anesthetic? Fink BR.
Anesthesiology 34:403-4, May 71
The joule--unit of energy. Ames SR.
J Am Diet Assoc 57:415-6, Nov 70
Remarks on the joule. Harper AE.
J Am Diet Assoc 57:416-8, Nov 70
Kilograms and kiloponds: mass, force, or weight? Cochran GV. J Bone Joint Surg [Am] 53:181-2, Jan 71
University of Iowa Hospitals and Clinics convert to the metric system. Colenbrander A.
J Iowa Med Soc 61:219-24, Apr 71
Problems in the gravimetric measurement of respirable coal mine dust. Morse KM.
J Occup Med 12:400-9, Oct 70
Metrication and medicine. (Rawlins MD), Lancet 1:339-41, 13 Feb 71
Mismensuration. Forster FJ.
N Engl J Med 285:408, 12 Aug 71
Physician liberation units system. Langdon DE, et al.
N Engl J Med 283:1413, 17 Dec 70
Proper expression of titers. Lawrence R.
N Engl J Med 285:862, 7 Oct 71
Metrication and decimalization. Martin JL.
Nurs Times 67:165-7, 11 Feb 71
Going metric. NZ Med J 73:29, Jan 71
Units of pressure: time for a change? Anderson GG.
Obstet Gynecol 36:959, Dec 70
How fast are you alking? Smidt GL, et al.
Phys Ther 51:412-3, Apr 71
Training for measurement in medicine. Types of training required. Blackburn JP.
Proc R Soc Med 63:991-3, Oct 70
Measurement for what? Hamilton M.
Proc R Soc Med 63:1315-9, Dec 70
Composition and function of future departments of clinical measurement. Hewer AJ.
Proc R Soc Med 63:991, Oct 70
The use of SI units in radiological departments. Goss EO. Radiography 37:17-8, Jan 71
Infant formulas and metrication. Hansen JD, et al.
S Afr Med J 44:1312, 14 Nov 70
[Study of normal food waste. 2. Fresh vegetables] Chabert C, et al.
Bull Inst Natl Sante Rech Med 24:1597-643, Nov-Dec 69 (Fre)
[Who says we'll have to relearn metric?] Brosseau BL.
Can Hosp 48:6-7, Jun 71 (Fre)
[Kawaguchi Shinnin and his work "Kaishihen". Clarification on a monograph of anatomy (Kaishihen) at the dawning of experimental medicine in Japan, and the career of the writer of its book. 3. Illustrations in Kaishihen. 2. Japanese scale of length used by Kawaguchi] Tsusaki T.
Yokohama Med Bull 20:43-5, Feb 69 (Ger)
[International system of SI units] Danek A.
Acta Pol Pharm 27:611-21, 1970 (Pol)
[Containers in the pharmaceutical economics] Fedorenko NIa. Farmatsiia 17:50-1, Jul-Aug 68 (Rus)

HISTORY

Origin of British x-ray film sizes. Ramsey LJ.
Radiography 36:191-7, Aug 70

INSTRUMENTATION

[Simple weighing--a laboratory problem] Kaemmerer K, et al.
Dtsch Tieraerztl Wochenschr 78:275-7, 1 May 71 (Ger)

STANDARDS

SI--Système International d'Unités. White HS.
J Am Diet Assoc 57:418-9, Nov 70
The use of SI in reporting results in pathology.
J Clin Pathol 23:818-9, Dec 70
SI units in pathology. J Clin Pathol 23:743, Dec 70
[Uniformization of units and quantities]
J Pharm Belg 26:94-104, Jan-Feb 71 (Fre)

WEIL'S DISEASE (C1)

[Icterohemorrhagic leptospirosis (Weil's disease)] Bieger R, et al.
Ned Tijdschr Geneeskd 115:146-55, 23 Jan 71 (Dut)
[Weil's disease] Kitaoka M.
Naika 27:455-7, Mar 71 (Jap)

BLOOD

[Concentration of copper, ceruloplasmin, magnesium and sulfate in the blood of patients with a hepato-renal form of Weil's disease] Jorge FB de.
Rev Bras Med 27:449-51, Sep 70 (Por)

COMPLICATIONS

[Acute renal failure in leptospirosis (with a report on the differential diagnosis of leptospirosis sejrö and leptospirosis icterohaemorrhagica)] Schubert GE, et al. Munch Med Wochenschr 113:80-6, 15 Jan 71 (Ger)
[Human leptospirosis in Umbria. Epidemiological and clinical observations on a case with pulmonary manifestations] Frascarelli R.
Boll Soc Ital Biol Sper 45:961-4, 31 Jul 69 (Ita)

DRUG THERAPY

[No. 229. Elementary prescription list for therapy of ictero-hemorrhagic leptospirosis] Fanelli V.
Clin Ter 56:287-91, 15 Feb 71 (Ita)

FAMILIAL & GENETIC

[Simultaneous cases of leptospirosis in a family in Morocco] Mailloux M.
Bull Soc Pathol Exot 64:42-5, Jan-Feb 71 (Fre)

IMMUNOLOGY

[Cross immunity in experimental leptospirosis. Reciprocal protective effects effected by Grippotyphosa strains and strains of other serogroups] Plesko I, et al.
Ann Inst Pasteur (Paris) 119:456-67, Oct 70 (Fre)

OCCURRENCE

Some aspects of the Weil's disease epidemiology based

on a recent epidemic after a flood in Lisbon (1967). Simões J, et al. An Esc Naci Saude Publica Med Trop (Lisb) 3:19-32, Jan-Dec 69
Serotypes in, and clinical notes on, leptospirosis in a plantation area of Sumatra. Smit AM, et al. Trop Geogr Med 22:423-30, Dec 70
[A single case of Batavi leptospirosis with an icteric course] Wolff E, et al. Dtsch Gesundheitsw 25:707-10, 16 Apr 70 (Ger)

VETERINARY

Indirect immunofluorescence technique as compared with other methods for investigating the renal carrier state of leptospira in pigs. Sturdza N, et al. Arch Roum Pathol Exp Microbiol 28:319-28, Jun-Sep 69
[Leptospirosis in Equidae] Mailloux M. Bull Soc Pathol Exot 62:819-31, Sep-Oct 69 (Fre)

WELDING (J)

Fume extraction when welding zinc-coated steels. Gregory EN, et al. Am Ind Hyg Assoc J 32:170-3, Mar 71
The formation of dichloroacetyl chloride and phosgene from trichloroethylene in the atmosphere of welding shop. Dahlberg JA, et al. Ann Occup Hyg 14:269-74, Sep 71
The intensity and spectral distribution of ultraviolet emission from welding arcs in relation to the photodecomposition of gases. Dahlberg JA. Ann Occup Hyg 14:259-67, Sep 71
Base metal wires for gold alloy soldering to cast cobalt-chromium alloy partial dentures. Brockhurst PJ. Aust Dent J 15:499-506, Dec 70
Cadmium fume poisoning. Winston RM. Br Med J 2:401, 15 May 71
Health hazards in industrial welding. Kaufman RS. JAMA 216:677-8, 26 Apr 71
[2 fire cataracts of blowtorch welders] Voisin J, et al. Bull Soc Ophtalmol Fr 68:168-9, Feb 68 (Fre)
["Secondary" soldering with a high degree of fusion of ceramic-metallic elements] Perelmuter S, et al. Rev Fr Odontostomatol 18:171-8, Feb 71 (Fre)
[Problems of electric welder's pneumoconiosis] Slepička J, et al. Int Arch Arbeitsmed 27:257-80, 1970 (Ger)
[Studies of pulmonary changes in electric welding workers] Einbrodt HJ, et al. Oeff Gesundheitswes 33:286-99, May 71 (Ger)
[Chronic bronchitis in welders] Lo Storto A, et al. Ann Med Nav (Roma) 75:118-28, Mar-Apr 70 (Ita)
[Exposure to inhalation of nitrous vapours in electric welding] Cascini F, et al. Folia Med (Napoli) 52:638-44, Oct 69 (Ita)
[Exposure to CO2 inhalation in electric welding] Cascini F, et al. Folia Med (Napoli) 52:38-43, 1 Jan 69 (Ita)
[Pneumoscintigraphic findings in patients with silicosis and in welders with bronchopneumopathies] Salamone L. Folia Med (Napoli) 52:697-709, Nov 69 (Ita)
[Clinico-statistical findings on chronic pathology of solderers] Salamone L, et al. Folia Med (Napoli) 52:511-25, Aug 69 (Ita)
[Possible risk of lead poisoning in workers in welding and painting industry] Marchio F, et al. Rass Int Clin Ter 49:1143-6, 30 Sep 69 (Ita)
[Effect of radiation energy of arc welding on adaptation to darkness] Filipiakowa Z. Klin Oczna 41:49-55, 1971 (Pol)
[Effect on the organism of aerosols formed during electric welding in carbon dioxide gas] Erman MI, et al. Gig Sanit 35:35-9, Jul 70 (Rus)
[Experience in solving basic problems of industrial hygiene in some areas of high-frequency welding] Fukalova PP. Gig Tr Prof Zabol 15:15-7, 1971 (Rus)
[Working conditions in contact butt welding] Naumenko IM, et al. Gig Tr Prof Zabol 14:59-60, Aug 70 (Rus)
[Hygienic assessment of electric welding and copper cutting] Vlasova-Priadilova NV. Gig Tr Prof Zabol 15:20-4, 1971 (Rus)
[Hygienic evaluation of working conditions during carbon dioxide welding] Vorontsova EI, et al. Gig Tr Prof Zabol 15:41-4, 1971 (Rus)
[Late skin porphyria of occupational etiology in electrowelders] Tsyrkunov LP, et al. Vrach Delo 3:142-3, Mar 71 (Rus)
[Acoustic trauma in welders exposed to strong noise in mechanical-technological workshops] Brusin A, et al. Med Pregl 22:545-9, 1969 (Cro)

ADVERSE EFFECTS

Behavior of chlorohydrocarbon solvents in the welding environment. Rinzema LC. Int Arch Arbeitsmed 28:151-74, 1971
[Erythematodes chronicus discoides as an occupational disease in an electric welder] Wozniak KD. Berufsdermatosen 19:187-96, Aug 71 (Ger)

INSTRUMENTATION

The efficacy of dental welding machines. Tweedie TO, et al. Dent Pract Dent Rec 21:169-80, Jan 71

WELL CHILD CONFERENCE see under CHILD

HEALTH SERVICES (N2)

WEN see under CYSTS (C2)

WERLHOF'S DISEASE see PURPURA, THROMBOPENIC (C9)

WERNER'S SYNDROME (C7)

Werner's syndrome. Stecker E, et al. Lancet 2:1317, 19 Dec 70
Werner's syndrome. Balci S, et al. Turk J Pediatr 12:89-97, Jul-Oct 70
[Mucosal atrophy with special reference to the Werner syndrome] Frenkel G. Dtsch Zahnaerztl Z 25:1026-9, Oct 70 (Ger)
[Werner's syndrome] Pavlik F, et al. Wien Med Wochenschr 121:87-90, 6 Feb 71 (Ger)
[Case of Werner's syndrome] Minami S, et al. Naika 26:946-50, Nov 70 (Jap)

COMPLICATIONS

[Pseudo-Klinefelter-syndrome in Werner's-syndrome] Lischka G, et al. Hautarst 22:122-5, Mar 71 (Ger)

DIAGNOSIS

The Werner syndrome. Degreef H. Dermatologica 142:45-9, 1971
[Werner's syndrome. A case report on premature aging] Gsell O, et al. Schweiz Med Wochenschr 101:418-21, 27 Mar 71 (Ger)

FAMILIAL & GENETIC

[Rothmund-Werner syndrome (report of a case)] Courel M. Rev Clin Esp 117:517-20, 15 Jun 70 (Spa)

PHYSIOPATHOLOGY

[Werner's syndrome] Takayama H, et al. Jap Arch Intern Med 18:182-6, 1971 (Jap)

WERNICKE'S ENCEPHALOPATHY (C10, C13)

[A case of Wernicke's encephalopathy] Pashkova VS, et al. Klin Med (Mosk) 47:138-40, Sep 69 (Rus)

COMPLICATIONS

[2 cases of Gayet-Wernicke encephalopathy with isolated unilateral mydriasis] Castaigne P, et al. Rev Neurol (Paris) 122:363-70, May 70 (Fre)

DIAGNOSIS

[2 cases of Gayet-Wernicke encephalopathy with unilateral isolated mydriasis] Castaigne P, et al. Ann Ocul (Paris) 204:279-83, Mar 71 (Fre)
[Symptomatology of Wernicke's encephalopathy (poliencephalitis haemorrhagica superior)] Bergener M, et al. Psychiatr Clin (Basel) 3:274-95, 1970 (Ger)

PATHOLOGY

Ocular findings in subacute necrotizing encephalomyelitis. Grover WD, et al. Am J Ophthalmol 70:599-603, Oct 70

WEST NILE VIRUS see under ENCEPHALITIS VIRUSES (B4)

WETTING AGENTS see under SURFACE-ACTIVE AGENTS (D13)

WHALES see under CETACEA (B2)

WHARTON'S JELLY see under UMBILICAL CORD (A10)

WHEAT (B6, J)

Utilization of wheat by adult man: nitrogen metabolism, plasma amino acids and lipids. Edwards CH, et al. Am J Clin Nutr 24:181-93, Feb 71
Absorption of iron from chapatti made from wheat flour. Elwood PC, et al. Am J Clin Nutr 23:1267-71, Oct 70
Lysine enrichment of wheat flour: prolonged feeding of infants. Graham GG, et al. Am J Clin Nutr 24:200-6, Feb 71
Supernumerary chromosomes in the second outbreeding species of the wheat group. Simchen G, et al. Chromosoma 33:63-9, 1971
Wheat in human nutrition. Aykroyd WR, et al. FAO Nutr Stud 23:1-163, 1970
Iodine binding capacity of wheat starches & characteristics of wheat (Triticum aestivum). Sandhu SS, et al. Indian J Biochem 7:139, Jun 70
In vitro evaluation of forage nutritive value using zebu and buffalo rumen inoculum. Ludri RS, et al. Indian Vet J 48:24-30, Jan 71
The biological availability of iron from wheat bread. Hegarty PV. Ir J Med Sci 3:321-9, Jul 70
Effect of methods of processing upon digestibility of a new wheat by sheep and cattle. Cornett CD, et al. J Anim Sci 32:716-20, Apr 71
Pseudomonas fluorescens biotype G, the dominant fluorescent pseudomonad in South Australian soils and wheat rhizospheres. Sands DC, et al. J Appl Bacteriol 34:261-75, Mar 71
Platyspora pentamera in the Great Plains on wheat. Hosford RM Jr. Mycologia 63:868-9, May-Jun 71
Deterioration of uredospores of wheat stem rust under natural conditions. Orr GF, et al. Mycopathol Mycol Appl 44:143-8, 3 May 71
Acceleration of senescence induced in wheat by light. Walpole PR, et al. Nature [New Biol] 230:190-2, 7 Apr 71
The breeding of wheat and maize with improved nutritional value. Johnson VA, et al. Proc Nutr Soc 29:20-31, May 70
The prospects of breeding barley, wheat and oats to meet special requirements in human and animal nutrition. Whitehouse RN. Proc Nutr Soc 29:31-9, May 70
Semidwarf rice and wheat in global food needs. Athwal DS. Q Rev Biol 46:1-34, Mar 71 (119 ref.)
Nobel Peace Prize: developer of high-yield wheat receives award (Norman Ernest Borlaug). (Borlaug N), Brown LR. Science 170:518-9, 30 Oct 70
Notes on technic. Reducing breakage of metaphase plates in Feulgen-stained root tips of wheat; ice-water storage before squashing. Dvorak J. Stain Technol 46:93-4, Mar 71
Distribution of wheat striate mosaic virus in infected plants and some morphological characters of the virus in situ and in vitro. Sinha RC. Virology 44:342-51, May 71
[Nutritive value of sprouted and unsprouted wheat grains] Kasper H. Med Klin 66:1250, Sep 71 (Ger)
[Legal aspects of the control of flour and macaroni] Piccinino R. Ann Ist Super Sanita 5:392-4, 1969 (Ita)
[Experiments with biogenic stimulators of plant origin in the treatment of arthrotic disease] Majorano G, et al. Rass Int Clin Ter 50:1493-505, 15 Dec 70 (Ita)
[Efffects of wheat germ on fecal flora of human adults with constipation] Kimura N, et al. Jap J Bacteriol 26:222-7, Jun 71 (Jap)
[Mycoflora of the crown rot of winter wheat in the South-East Ukraine] Pidoplichko VN. Mikrobiol Zh 32:215-20, 1970 (Ukr)
[Toxicity of fungi of the genus Fusarium--agents of root rot in winter wheat] Podoplichko VN. Mikrobiol Zh 32:709-4, Nov-Dec 70 (Ukr)
[Identification of the wheat stripe mosaic virus in Moldavia] Sherban ED, et al. Mikrobiol Zh 33:56-60, 1971 (Ukr)

ANALYSIS

Availability of iron from labeled wheat, chickpea, broad bean, and okra in anemic blood donors. Mameesh MS, et al. Am J Clin Nutr 23:1027-32, Aug 70
The determination of residues of dichlorvos and malathion in wheat grain by gas-liquid chromatography. Crisp S, et al. Analyst 96:310-3, Apr 71
Hydroxyapatite chromatography of 5S RNA from wheat. Soave C, et al. Bull Soc Chim Biol (Paris) 52:857-65, 1970
Fluorescent metabolites in mold-damaged wheat flour. Daftary RD, et al. Experientia 26:1056-7, 15 Oct 70
Occurrence of diethylnitrosamine in some samples of food. Hedler L, et al. Food Cosmet Toxicol 6:341-8, Oct 68
Triglycerides in wheat germ as chemical stimuli eliciting aggregation of the confused flour beetle, Tribolium confusum (Coleoptera: Tenebrionidae). Tamaki Y, et al. J Agric Food Chem 19:285-8, Mar-Apr 71
High concentration of cobalt in wheat grasses. Lambert TL, et al. J Sci Food Agric 22:8-9, Jan 71
Buoyant density studies of chloroplast and nuclear deoxyribonucleic acid from control and 3-amino-1,2,4-triazole-treated wheat seedlings, Triticum vulgare. Bartels PG, et al. Plant Physiol 46:825-30, Dec 70
Total dietary protein derived from wheat for rearing replacement pullets. Bragg DB, et al. Poult Sci 50:761-5, May 71
[Electrophoretic composition of histones of germs of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

various types of wheat] Autran JC, et al.
C R Acad Sci [D] (Paris) 272:2732-5, 24 May 71 (Fre)
[Spectrophotometric differentiation of durum and soft wheat products] Brogioni M.
Ann Ist Super Sanita 5:402-3, 1969 (Ita)
[Control of the adulteration of durum wheat macaroni by the immunodiffusion method] Cantagalli P.
Ann Ist Super Sanita 5:414-6, 1969 (Ita)
[Immunochemical method for the detection and determination of soft wheat in macaroni] Cantagalli P, et al. Ann Ist Super Sanita 5:828-30, 1969 (Ita)
[Application of the chromatographic separation of lupids to the determination of the soft grain in macaroni] Cavallaro A.
Ann Ist Super Sanita 5:399-401, 1969 (Ita)
[Determination of sitosterol palmitate in different varieties of Triticum aestivum and Triticum durum] Chindemi A, et al.
Ann Ist Super Sanita 5:395-8, 1969 (Ita)
[Interference of the technologic process of manufacture of macaroni in the electrophoretic method of detecting soft wheat] Cubadda R.
Ann Ist Super Sanita 5:408-13, 1969 (Ita)
[Electrophoretic findings on cereals. 3. A rapid method of detection and determination of soft wheat in flour and macaroni] D'Errico AM, et al.
Ann Ist Super Sanita 5:425-31, 1969 (Ita)
[Determination of the content of soft wheat in macaroni and alimentary paste by electrophoretic analysis of protein components] Resmini P.
Ann Ist Super Sanita 5:404-5, 1969 (Ita)
[Identification and determination of the soft wheat semolinas and macaroni by quantitative determination of specific protein fractions] Silano V.
Ann Ist Super Sanita 5:406-7, 1969 (Ita)
[Immunoelectrophoretic characterization of the soluble proteins of the genus triticum. II. T. vulgare and comparative tests of the two species] Cubadda R, et al. Boll Soc Ital Biol Sper 45:709-12, 15 Jun 69 (Ita)
[Immunoelectrophoretic characterization of the soluble proteins of the genus triticum. I. T. durum] Cubadda R, et al.
Boll Soc Ital Biol Sper 45:705-8, 15 Jun 69 (Ita)

CYTOLOGY

Early ribosomal RNA transcription and appearance of cytoplasmic ribosomes during germination of the wheat embryo. Chen D, et al.
Nature [New Biol] 231:69-72, 19 May 71
Genetic regulation of meiotic chromosome pairing by chromosome 3D of Triticum aestivum. Mello-Sampayo T. Nature [New Biol] 230:22-3, 3 Mar 71

DRUG EFFECTS

Effects of growth regulators on ribonucleic acid metabolism of barley leaf segments. Poulson R, et al.
Plant Physiol 46:782-5, Dec 70

ENZYMOLOGY

Modification of the course of the reaction between wheat flour lipoxygenase and linoleic acid due to adsorption of lipoxygenase on glutenin. Graveland A.
Biochem Biophys Res Commun 41:427-34, 23 Oct 70
Isolation and properties of protease A from wheat grain. Skupin J, et al. J Sci Food Agric 22:11-5, Jan 71

GROWTH & DEVELOPMENT

Paramagnetic behaviour of the differentiating reproductive apex of wheat. Chinoy JJ, et al.
Biophysik 7:157-62, 1971
Early ribosomal RNA transcription and appearance of cytoplasmic ribosomes during germination of the wheat embryo. Chen D, et al.
Nature [New Biol] 231:69-72, 19 May 71
[Effect of peat inorganic bacterial fertilizers on potato and winter wheat yield] Mosiuk MF, et al.
Mikrobiol Zh 33:222-8, Mar-Apr 71 (Ukr)

METABOLISM

Utilization of wheat by adult man: excretion of vitamins and minerals. Edwards CH, et al.
Am J Clin Nutr 24:547-55, May 71
N-formylmethionyl-tRNA of wheat chloroplasts. Its synthesis by a wheat transformylase. Leis JP, et al.
Biochemistry 10:889-94, 2 Mar 71
Meiotic DNA synthesis. Riley R, et al.
Nature (Lond) 230:182-5, 19 Mar 71
Correlation between ion fluxes and ion-stimulated adenosine triphosphatase activity of plant roots. Fisher JD, et al. Plant Physiol 46:812-4, Dec 70
Protein chain initiation by methionyl-tRNA in wheat embryo. Marcus A, et al.
Proc Natl Acad Sci USA 67:1681-7, Dec 70
[Microbial formation of humus. 5. Anaerobic and aerobic processes in the humification of model substrates] Novák B.
Zentralbl Bakteriol [Naturwiss] 126:63-7, 1971 (Ger)

WHEEL CHAIRS (E5)

An adjustable platform for wheelchairs. Savage M.
Br Dent J 130:211-2, 2 Mar 71
Simple adaptations to relaxation chairs. Robinson NK.
Can J Occup Ther 37:150-1, Winter 70
25,000 miles of transportation for shut-in patients. Waldman HB. J Public Health Dent 26:346-9, 1966
A do-it-yourself CDH pram. Gifford ME.
Nurs Times 67:806, 1 Jul 71
Sliding board with wheelchair attachment. Burns M.
Phys Ther 51:301-3, Mar 71
Transfer board with strap hinges. Medeiros JM.
Phys Ther 51:918, Aug 71
R. J. chair lift. Myers H. Phys Ther 51:786-7, Jul 71
A new bucket seat for the prevention of pressure ulcers. McCluer S.
Proc Annu Clin Spinal Cord Inj Conf 15:90-1, 7 Nov 66
A new wheel chair brake. McCluer S.
Proc Annu Clin Spinal Cord Inj Conf 15:91-3, 7 Nov 66
Wheelchairmanship. Jolicoeur R.
Rehabil Rec 12:33-5, Jan-Feb 71
[Insert for the folding wheel chair for better fixation of severely handicapped, particularly paralyzed patients] Pinder HE.
Beitr Orthop Traumatol 16:103-5, Feb 69 (Ger)
[An electrically driven wheelchair from the orthopedic biophysical study group Leipzig] Krieghoff R, et al.
Dtsch Gesundheitsw 25:1623-5, 20 Aug 70 (Ger)

INSTRUMENTATION

Car independence for patient with triplegia. Rozin R, et al. Arch Phys Med Rehabil 52:80-1, Feb 71
["An apartment is the most important thing. Without their own home can nobody manage"] Soller B.
Lakartidningen 67:6117-22, 23 Dec 70 (Swe)

WHIPLASH INJURY (C14)

The whiplash injury. Flax HJ, et al.
Bol Asoc Med PR 63:161-5, Jun 71
Medicolegal aspects of cervical spine sprains. Breck LW, et al. Clin Orthop 74:124-8, Jan 71
[Clinical and medico-legal aspects of the traumatic cervical syndrome] Jung A, et al.
Arch Mal Prof 30:519-26, Sep 69 (Fre)
[Whiplash injury or indirect injuries of the cervical spine or post-traumatic cervical syndrome] Wackenheim A.
Bull Soc Sci Med Grand Duche Luxemb 105:93-114, Nov 68 (Fre)
[Cervicocephalic complications of automobile accidents (cervicocephalic post-traumatic syndrome)] Dreyfus P, et al.
Cah Med 12:565-8, 15 May 71 (Fre)
[Neurologic aspects of whiplash injury of the cervical vertebrae] Wolter M.
Dtsch Med J 20:279-82, 1969 (Ger)
[Whiplash injuries of cervical spine] Weinreich M.
Hefte Unfallheilkd 99:293-8, 1969 (Ger)
[Whiplash-injury of the cervical spinal cord. Terminology and diagnosis] Herrmann HD.
Med Welt 42:1797-800, 17 Oct 70 (Ger)
[The problem of cervical spine syndrome] Selenfreund M. Harefuah 78:505-7, 15 May 70 (Heb)
[Cervico-cephalic complications of the automobile accidents. Post-traumatic cervico-cephalic syndrome] Dreyfus P. Minerva Med 62:2625-8, 27 Jun 71 (Ita)
[A study on the treatment-resistant whiplash injuries with special reference to psychosocial aspect] Fujinami S. Psychiatr Neurol Jap 73:1-26, Jan 71 (Jap)
[Psychosomatic consideration on whiplash injury] Morotomi T, et al.
Saishin Igaku 26:1309-14, Jul 71 (Jap)
[Experimental anc clinical whiplash injuries of the cervical and upper thoracic portions of the spine] Iumashev GS, et al.
Ortop Travmatol Protez 31:1-5, Jun 70 (Rus)
[Modeling vertebral injuries during measured dynamic loads] Gromov AP, et al.
Sud Med Ekspert 13:6-12, Oct-Dec 70 (Rus)

COMPLICATIONS

Posttraumatic dizziness; vestibular, audiologic, and medicolegal aspects. Toglia JU, et al.
Arch Otolaryngol 91:485-92, Nov 70
Infantile subdural haematoma and its relationship to whiplash injuries. Guthkelch AN.
Br Med J 2:430-1, 22 May 71
Macular and vitreal disturbances produced by traumatic vitreous rebound. Daily L.
South Med J 63:1197-8, Oct 70
[Some rare cervical syndromes in otorhinolaryngology] Zelenka J. Cesk Otolaryngol 20:71-8, Apr 71 (Cze)
[Nystagmus of cervical origin. Detection and clinical value] Greiner GF, et al.
Ann Otolaryngol Chir Cervicofac 88:151-9, Mar 71 (Fre)
[Effect of cervical vertebra changes on ORL symptomatology] Kup W.
Beitr Orthop Traumatol 17:623-4, Oct 70 (Ger)
[Unusual localisation of a myositis ossificans traumatica on the cervical spine] Arcq M.
Z Orthop 108:176-83, Sep 70 (Ger)

DIAGNOSIS

[Whiplash trauma of the cervical vertebral column] Grah H.
Munch Med Wochenschr 112:Suppl 49:1-2, 4 Dec 70 (Ger)

DRUG THERAPY

Subarachnoidal injection therapy in chronic cases of the so-called whiplash syndrome. Tsumura Y, et al.
Acta Anaesthesiol Scand 15:61-4, 1971

ETIOLOGY

The enigma of whiplash injury. States JD, et al.
NY State J Med 70:2971-8, 15 Dec 70
[Upper arm amputation and spinal statics] Holland C, et al. Hefte Unfallheilkd 102:277-83, 1970 (Ger)

PATHOLOGY

[Experimental study on the pathology of so-called whiplash injuries, with special reference to the histopathological examination] Asai H.
J Jap Orthop Assoc 45:431-9, Jun 71 (Jap)

PHYSIOPATHOLOGY

[Injuries of the cervical spine caused by acceleration. Whiplash syndrome] Khoury Sola C, et al.
Prensa Med Argent 57:1606-10, 23 Oct 70 (Spa)

RADIOGRAPHY

[Pathologic anatomy and clinical evaluation of the cervical syndrome] Exner G.
Beitr Orthop Traumatol 17:620-3, Oct 70 (Ger)

THERAPY

[Therapeutic experience of whiplash injury, with special reference to cervical epidural nerve block] Kimura H, et al.
Surg Ther (Osaka) 23:693-7, Dec 70 (Jap)

WHIPPLE'S DISEASE see LIPODYSTROPHY, INTESTINAL (C4, C13)

WHITE HEIFER DISEASE see under FREEMARTINISM (C15)

WHITE MUSCLE DISEASE see under MUSCULAR DYSTROPHY, ANIMAL (C15)

WHOOPING COUGH (C1)

see also related
PERTUSSIS VACCINE (D12)

The pertussis syndrome. Brooksaler FS.
Tex Med 67:56-61, Jan 71

COMPLICATIONS

[Acute encephalopathy in whooping cough. A study of 84 cases collected in Dakar] Lafaix C, et al.
Ann Pediatr (Paris) 18:201-7, 2 Mar 71 (Fre)
[Current therapy of pertussis encephalopathy] Busila VT, et al.
G Mal Infett Parassit 21:897-901, Dec 69 (Fre)
[Pulmonary atelectasia as a frequently undetected late complication of whooping cough in infants] Bertrand JL, et al. Lyon Med 225:217-24, 14 Feb 71 (Fre)
[Sbacute degenerative encephalopathy developing toward a condition of chronic dementia] Bouquerel M, et al. Lyon Med 221:859-62 passim, 13 Apr 69 (Fre)
[Radiological aspects of pertussis and measles pneumonia from 1959 to 1969] Preuss HJ, et al.
Radiol Diagn (Berl) 11:655-66, 1970 (Ger)

DIAGNOSIS

Diagnosis of whooping cough: comparison of serological tests with isolation of Bordetella pertussis. A combined Scottish study. Br Med J 4:637-9, 12 Dec 70
A serological study of whooping cough. Chavan AS, et al. Indian J Pediatr 37:321-3, Jul 70
[Value of passive hemagglutination tests in the seroepidemiology of pertussis] Adonajlo A, et al.
Przegl Epidemiol 24:467-75, 1970 (Pol)
[Experience with the use of the passive hemagglutination test for retrospective serologic diagnosis of pertussis (parapertussis) and evaluation of the state of immunity among the vaccinated] Sokhin AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:95-8, Sep 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

DRUG THERAPY

Treatment of pertussis with pertussis immune globulin. Balagtas RC, et al. J Pediatr 79:203-8, Aug 71
[Comparative effects of natural vitamin E and synthetic alpha-tocoferol in the treatment of whooping cough] Ailiaud Y, et al.
Mars Med 107:913-6, 1970 (Fre)
[Effects of alpha-tocopherol on the symptoms of the development of whooping cough] Ailiaud Y, et al.
Mars Med 106:709-15, 1969 (Fre)
[New pathogenic-therapeutic concept of whooping cough] Mollica J.
Resen Clin Cient 38:19-26, Jan-Feb 69 (Por)

ETIOLOGY

Whooping-cough due to adenovirus.
Br Med J 4:570, 5 Dec 70
What causes whooping-cough? Calder MA, et al.
Lancet 2:1079, 21 Nov 70
What causes whooping-cough? Gillespie EH.
Lancet 1:85, 9 Jan 71
What causes whooping-cough? Love WC, et al.
Lancet 2:1142, 28 Nov 70
What causes whooping-cough? Lancet 2:917, 31 Oct 70
Pertussis syndrome. Cocchi P.
N Engl J Med 283:1175, 19 Nov 70
Pertussis syndrome. Howitz MS.
N Engl J Med 283:1174-5, 19 Nov 70
[New pathogenic-therapeutic concept of whooping cough] Mollica J.
Resen Clin Cient 38:19-26, Jan-Feb 69 (Por)

HISTORY

Whooping cough is first described as a disease sui generis by Baillou in 1640. (Baillou G de), Cone TC Jr.
Pediatrics 46:522, Oct 70
[C.G. Geller's essay "Epidemic spastic-cough in children in the duchy of Schwerin in the year 1757"] Hille M, et al. Kinderaerzti Prax 39:34-6, Jan 71 (Ger)

IMMUNOLOGY

Agglutinin response to pertussis vaccination in the child. Abbott JD, et al. Br Med J 1:86-8, 9 Jan 71
Inoculation with D(diphtheria), P(pertussis), T(tetanus), M(measles) or DPTMV(vaccinia) combined vaccine. Sagawa I, et al.
Z Immunitaetsforsch Allerg Klin Immunol 140:440-56, Nov 70
[Study of some anti-pertussis gamma globulins. 3. Identification o the type of anti-whoopingcough antibodies by fluorescent immunoelectrophoresis] Mitrică N, et al.
Arch Roum Pathol Exp Microbiol 28:373-7, Jun-Sep 69 (Fre)
[Vaccination with calcium phosphate adsorbed antigens] Reiyveld EH, et al.
Progr Immunobiol Stand 4:540-7, 1970 (Fre)
[Characteristics of general immunologic reactivity in children] Silich VA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:34-7, Oct 70 (Rus)
[Immunity against diphtheria, tetanus and whooping cough. Serological control of 2 campaigns of triple vaccination] Ruiz Merino J.
Rev Sanid Hig Publica (Madr) 44:649-57, Jun 70 (Spa)

MICROBIOLOGY

[Bacteriology of whooping cough. II. Determination of the major agglutinant factors in Bordetella pertussis samples isolated in Rio de Janeiro] Ubatuba A, et al.
Hospital (Rio de J) 78:1301-10, Nov-Dec 70 (Por)

OCCURRENCE

Epidemics of parapertussis. 20 years' observations in Denmark. Lautrop H. Lancet 1:1195-8, 12 Jun 71
[Epidemiology and prophylaxis of whooping cough in GDR] Mebel S, et al.
Dtsch Gesundheitsw 25:548-53, 25 Mar 70 (Ger)
[Epidemiologic analysis of pertussis in Poland in the years 1968-1969 against the backdrop of the world situation] Adonajlo A.
Przegl Epidemiol 25:189-94, 1971 (Pol)
[Circulation of pertussis bacteria of different serological types in some districts of the USSR] Demina AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:22-7, Nov 70 (Rus)
[Epidemiological characteristics of whooping cough in Smolensk in the post-war years (1948-1968)] Dzhavrova IK, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:24-8, Oct 70 (Rus)
[Seasonal and age distribution of some droplet infections in Ethiopia] Lebedinskaia NP, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:26-30, May 71 (Rus)
[The seasonality of pertussis incidence] Novikova OM, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:98-102, Aug 70 (Rus)
[Bacteriological diagnosis of pertussis and parapertussis in the Khabarovsk region] Shershevskaia RS, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:83-6, Jul 70 (Rus)
[Analysis of periodic variations in the incidence of certain droplet infections] Tkacheva MN, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:130-4, Apr 71 (Rus)

PHYSIOPATHOLOGY

Studies on the leukocytosis and lymphocytosis induced by Bordetella pertussis. 3. The distribution of transfused lymphocytes in pertussis-treated and normal mice. Morse SI, et al.
J Exp Med 132:663-72, 1 Oct 70

PREVENTION & CONTROL

Immunization against whooping-cough. Christie AB.
Community Health (Bristol) 2:241-4, Mar-Apr 71
Immunization in developing countries. Morley D.
Community Health (Bristol) 2:283-7, May-Jun 71
Experiences with a new combined vaccine against B. parapertussis, diphtheria, tetanus and B. pertussis employed in a field trial in Prague 10.
Buriánová-Vysoká B, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 14:481-7, 1970
Agglutinin response to pertussis vaccine. I. Effect of dosage and interval. Wilkins J, et al.
J Pediatr 79:197-202, Aug 71
[Epidemiology and prophylaxis of whooping cough in GDR] Mebel S, et al.
Dtsch Gesundheitsw 25:548-53, 25 Mar 70 (Ger)
[Difficulties in pertussis vaccination] Ehrengut W.
Monatsschr Kinderheilkd 117:77-9, Feb 69 (Ger)
[Anti-pertussis vaccination] Cadrobbi P.
G Mal Infett Parassit 22:282-4, Apr 70 (Ita)
[Reactions and complications caused by preventive vaccinations] Del Campo A.
G Mal Infett Parassit 22:249-63, Apr 70 (Ita)
[Reactions to adsorbed pertussis-diphtheria-tetanus vaccine] Zakharova MS, et al.
Pediatriia 50:65-8, Jan 71 (Rus)
[Effect of active immunization on the epidemiology of whooping cough] Petrov GA.
Vopr Okhr Materin Det 16:90, Mar 71 (Rus)
[Passive immunity to experimental whooping cough in mice] Beilina VB.
Zh Mikrobiol Epidemiol Immunobiol 48:27-31, 1971 (Rus)
[Current problems of the epidemiology and prevention of whooping cough] Demina AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:3-9, Oct 70 (Rus)
[The epidemiologic features of pertussis in the RSFSR during a period of immuno-prevention] Eingorn AL, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:112-8, Dec 70 (Rus)
[Oral immunization by pertussis vaccine in animal experiments] Gitterman LA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:10-5, Oct 70 (Rus)
[The dynamics of the immunologic response in mice following adminstration of pertussis monovaccine] Khazanova LE, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:27-32, Feb 70 (Rus)
[Characterization of pertussis mono- and combined vaccines by composition of type antigenr] Lesniak SV, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:34-9, Feb 71 (Rus)
[The immunologic reactivity of children and maternal antibodies] Levi MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:74-9, Aug 70 (Rus)
[Immuno-epidemiological parallels in whooping cough and parapertussis] Semina NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:28-33, Oct 70 (Rus)
[Effect of passive maternal antibodies on the results of vaccination of young children] Sokhin AA, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:117-23, May 71 (Rus)
[State of immunity against diphtheria, tetanus and whooping cough with interrupted immunization schedule with AKDS vaccine] Tokarevich TK, et al.
Zh Mikrobiol Epidemiol Immunobiol 48:42-6, Feb 71 (Rus)
[Reactivity and immunogenicity of adsorbed pertussis-diphtheria-tetanus vaccine with lowered component doses. II. Immunological effectiveness of the diphtheria, tetanus and pertussis components] Tuimedova RA.
Zh Mikrobiol Epidemiol Immunobiol 48:39-42, Feb 71 (Rus)

THERAPY

[Indications for respiratory resuscitation technics in whooping cough] Bastin R, et al.
Therapeutique 44:577-9, Nov 68 (Fre)

WILL see VOLITION (F1)

WILLIS' CIRCLE see CIRCLE OF WILLIS (A7)

WILLS (I)

Your will--an indispensable tool. Coburn, et al.
Am J Orthod 59:290-2, Mar 71
[Psychopathological studies in expert evaluation of the capacity to make a will (case studies)] Dedè G.
Rass Neuropsichiatr 22:315-39, Jul-Sep 68 (Ita)

WILMS' TUMOR see NEPHROBLASTOMA (C2)

WILSON'S DISEASE see under

HEPATOLENTICULAR DEGENERATION

(C4, C10, C13)

WIND see under WEATHER (G3)

WINE (J)

Blood glucose and alcohol levels after administration of wine to human subjects. Murdock HR Jr.
Am J Clin Nutr 24:394-6, Apr 71
On the pellicle formation by "flor" yeasts. Cantarelli C, et al. Antonie van Leeuwenhoek 35:Suppl:F35-6, Jun 69
Spanish "flor" yeasts. Maria JS.
Antonie van Leeuwenhoek 35:Suppl:D13-4, Jun 69
Yeast microflora of wine-making districts of Uzbekistan. Mavlani MI.
Antonie van Leeuwenhoek 35:Suppl:D3, Jun 69
Ecology of yeasts and yeast-like microorganisms on secondary habitats in Czechoslovakia. Minarik E.
Antonie van Leeuwenhoek 35:Suppl:D7-8, Jun 69
Factors affecting sow farrowing interval. Moody NW, et al. J Anim Sci 32:510-4, Mar 71
Wine labels and decanters. Wintersgill D.
Practitioner Suppl:33-40, Aug 71
[Lactic acid bacteria from wine and vine leaves] Weiller HG, et al.
Zentralbl Bakteriol [Naturwiss] 124:707-32, 1970 (Ger)
[Quantitative studies of the formation of ethanol, glycerin and 2,3-butyleneglycol during the alcoholic fermentation] Wejnar R.
Zentralbl Bakteriol [Naturwiss] 124:129-35, 1970 (Ger)
[On a possible interpretation of the "flor" effect in yeasts] Castelli T, et al. Ric Sci 38:1267-9, Dec 68 (Ita)
[Yeasts found in the vineyards of western Georgia] Arabidze GV.
Mikrobiologiia 38:732-5, Jul-Aug 69 (Rus)
[Microflora of soils of vineyards] Popova KG.
Mikrobiol Zh 31:465-9, Sep-Oct 69 (Ukr)

ADVERSE EFFECTS

The effect of ingestion of ethyl alcohol, wine and beer on the myocardium of mice. Burch GE, et al.
Am J Cardiol 27:522-8, May 71
[Iron in wine and its possible role in the etiology of cirrhotic siderosis] Herreros V, et al.
Rev Clin Esp 117:505-8, 15 Jun 70 (Spa)

ANALYSIS

Measurement of histamine in California wines. Ough CS. J Agric Food Chem 19:241-4, Mar-Apr 71
Chlorcholine chloride residues in grapes and their fate in winemaking. Tafuri F, et al.
J Agric Food Chem 18:869-71, Sep-Oct 70

WING (A13)

ABNORMALITIES

[Influence of the axial nervous system on the morphogenesis of the limbs in the chick embryo] Kieny M, et al.
C R Acad Sci [D] (Paris) 272:121-4, 4 Jan 71 (Fre)
[Evolution of the anlagens of chick embryo limbs treated with nitrogen yperite at the 48 h stage of incubation] Salzgeber B.
Diabetes 20:3083-6, Jul 71 (Fre)
[Changes of vascular pattern in the development of experimental duplication of the wing in the chick embryo] Roncali L, et al.
Boll Soc Ital Biol Sper 46:625-8, 15 Aug 70 (Ita)

ANATOMY & HISTOLOGY

Wing loading in Piecotus rafinesquii. Jones C, et al.
J Mammal 52:458-60, May 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

EMBRYOLOGY

The organogenesis and arrangement of cutaneous appendages in birds. Sengel P.
Adv Morphog 9:181-230, 1971 (52 ref.)
Effect of removal of the apical ectodermal ridge on the rate of cell division in the subridge mesenchyme of the embryonic chick wing. Janners MY, et al.
Dev Biol 24:465-76, Apr 71
Differentiation of myoblasts and the relationship between somites and the wing bud of the chick embryo. Grim M.
Z Anat Entwicklungsgesch 132:260-71, 1970
[The role of the somitic mesoderm in the early morphogenesis of the limbs in the fowl embryo] Pinot M. J Embryol Exp Morphol 23:109-51, Feb 70 (Fre)

GROWTH & DEVELOPMENT

Changes in rate of cellular proliferation during the differentiation of cartilage and muscle in the mesenchyme of the embryonic chick wing. Janners MY, et al. Dev Biol 23:136-65, Sep 70
Histological studies of the neuroendocrine system of Gryllodes sigillatus (Walk.) in relation to wing development. Mathad SB, et al.
Indian J Exp Biol 8:179-81, Jul 70
Culture stability of morphogenetic properties of chick limb-bud mesoderm. Finch RA, et al.
J Exp Zool 176:397-408, Apr 71

PHYSIOLOGY

Temperature dependence of the neural control of the moth flight system. Hanegan JL, et al.
J Exp Biol 53:629-39, Dec 70
[Wing removal as a factor stimulating egg maturation in insects (using Eurygaster integriceps Put. as an example)] Bocharova-Messer OM, et al.
Zh Obshch Biol 32:229-37, Mar-Apr 71 (Rus)

WINSTROL see STANOZOLOL (D2, D8)

WISSLER-FANCONI SYNDROME see WISSLER'S SYNDROME (C3, C12, C14)

WISSLER'S SYNDROME (C3, C12, C14)

[Wissler-Fanconi syndrome in adults] Büsch F, et al.
Z Aerztl Fortbild (Jena) 64:1156-8, 15 Nov 70 (Ger)
[Wissler-Fanconi syndrome] Bogashov BI.
Pediatr Akush Ginekol 3:29-31, 1970 (Ukr)

COMPLICATIONS

[Renal manifestations in Wissler-Fanconi syndrome (clinical contribution)] Benatti C, et al.
Clin Pediatr (Bologna) 51:358-75, Jul 69 (Ita)

DIAGNOSIS

[Pericarditis in chronic rheumatism in children] Gouffault J, et al.
Coeur Med Interne 10:221-8, Apr-Jun 71 (Fre)
[Subsepsis allergica as a differential diagnosis problem] Weinhold D.
Dtsch Gesundheitsw 26:731-3, 15 Apr 71 (Ger)
[Wissler's syndrome] Wässer S.
Kinderaerztl Prax 37:49-57, Feb 69 (Ger)

DRUG THERAPY

[Treatment of subsepsis allergica with prednisone and 6-mercaptopurine] Held A.
Kinderaerztl Prax 37:79-84, Feb 69 (Ger)

ETIOLOGY

[Type and frequency of initial infection in subsepsis allergica] Lorenz K, et al.
Monatsschr Kinderheilkd 117:60-6, Feb 69 (Ger)

IMMUNOLOGY

[Hypersensitivity against tetracycline as caused for Wissler-Fanconi syndrome] Walczynski Z, et al.
Allerg Asthma (Leipz) 16:65-7, 1970 (Ger)
[Immunological findings in rheumatic disease during childhood] Burgio GR, et al.
Monatsschr Kinderheilkd 117:553-8, Sep 69 (65 ref.) (Ger)

WIT AND HUMOR (K)

The destructive potential of humor in psychotherapy. Kubie LS. Am J Psychiatry 127:861-6, Jan 71
Thoughts about medical writing. IV. Can it be funny and medical? Roland CG.
Anesth Analg (Cleve) 50:229-30, Mar-Apr 71
Conservatism and response to sexual humour. Thomas DR, et al. Br J Soc Clin Psychol 10:185-6, Jun 71
Scientific measurements in sociology. Clutton-Brock J.
Bristol Med Chir J 85:31, Jul 70
Humor in the dental clinic. Elfenbaum A.
Dent Dig 77:159-61, Mar 71
Teratogenicity of muscas domesticas swaticas (MDS). Elwarf Y. Food Cosmet Toxicol 8:717-8, Dec 70
Endoscopic vignettes. Nelson RS.
Gastrointest Endosc 17:185 passim, May 71
Attitudes toward aging as shown by humor. Palmore E.
Gerontologist 11:181-6, Autumn 71
Inhibition of humor enjoyment: differential effects with traditional diagnostic categories. Verinis JS.
J Gen Psychol 82:157-63, Apr 70
Aggressive humor as a stimulus to aggressive responses. Berkowitz L.
J Pers Soc Psychol 16:710-7, Dec 70
Cartoon appreciation in suicidal and control groups. Keith-Spiegel P, et al. J Psychiatr Res 8:161-5, Jun 71
Stress, authoritarianism, and the enjoyment of different kinds of hostile humor. La Gaipa JJ.
J Psychol 70:3-8, Sep 68
A sense of humor. Aring CD. JAMA 215:2099, 29 Mar 71
The alcohol tolerance test in the diagnosis of epistleoma. Dentibus EX, et al.
Manch Med Gaz 50:76-8, Jan 71
Pollution is a dirty word. Lewin RA.
Nature (Lond) 231:65, 7 May 71
Multichannel automatic natality sensor with instantaneous computer-integrator and audiovisual recorder. A new instrument. Hulka JF.
Obstet Gynecol 37:155-7, Jan 71
The temptation of Dr. Faust--1971. Foraker AG.
Perspect Biol Med 14:473-6, Spring 71
Some oddities of medical literature. Howard-Jones N.
Perspect Biol Med 14:458-72, Spring 71
Peripatosis--the scientific disease. Server OB.
Physiologist 14:90-4, May 71
Mrs. Beeton's basic knee joint.
Radiography 37:116-7, May 71
The smile. Klein L. S Afr Med J 45:154-6, 6 Feb 71
Grandpa's grandpa. Bornemeier WC.
W Va Med J 67:183-4, Jul 71
[Humor and medicine] Desjardins E.
Union Med Can 99:124-8, Jan 70 (Fre)
[The children of my file] Braga JM.
Rev Bras Med 28:80, Feb 71 (Por)
[The admirable new world] Cézar J.
Rev Bras Med 27:69-71, Jan 70 (Por)
[Panacea] Filho ES.
Rev Bras Med 26:700-2, Nov 69 (Por)
[Guardian angel disease] Filho ES.
Rev Bras Med 28:95-8, Feb 71 (Por)

HISTORY

[Satirical poems on physicians (Adolf Kussmaul)] (Kussmaul A), Fodor P.
Orv Hetil 112:458-61, 21 Feb 71 (Hun)

WITHDRAWAL SYMPTOMS see DRUG WITHDRAWAL SYMPTOMS (F2)

WITTENBORN SCALE see under PSYCHIATRIC STATUS RATING SCALES (F3)

WOLFF-PARKINSON-WHITE SYNDROME (C8)

The Wolff-Parkinson-White syndrome: evolving concepts of its pathogenesis. James TN.
Progr Cardiovasc Dis 13:159-89, Sep 70 (116 ref.)
[2 lethal cases of Wolff-Parkinson-White syndrome] Martin-Noel P, et al.
Arch Mal Coeur 63:1647-56, Nov 70 (Fre)
[Wolff-Parkinson-White syndrome: a case observed in industrial medicine] L'Epée P, et al.
Arch Mal Prof 31:160-1, Mar 70 (Fre)
[Repercussions of general anesthesia on the Wolff-Parkinson-White syndrome. Apropos of a clinical case] Delineau MA, et al.
Cah Anesthesiol 19:7-14, Jan-Feb 71 (Fre)
[2 cases of Wolff-Parkinson-White syndrome in pregnancy] Ciaramella S.
Arch Ostet Ginecol 75:254-62, May-Jun 70 (Ita)
[On a case of ventricular pre-excitation (Wolff-Parkinson-White syndrome) in the medicolegal evaluation for selection of flight personnel] Moretti A.
Minerva Med 61:3929-35, 15 Sep 70 (Ita)
[The Wolff-Parkinson-White syndrome in the course of labor] Hipp R, et al. Wiad Lek 24:451-2, 1 Mar 71 (Pol)

CHEMICALLY INDUCED

Accelerated A-V conduction--an unusual manifestation of digitalis toxicity. Mathur KS, et al.
J Assoc Physicians India 19:283-4, Mar 71

COMPLICATIONS

Haemodynamic changes during paroxysmal tachycardia in a patient with Wolff-Parkinson-White syndrome. Jebavý P, et al. Br Heart J 33:157-60, Jan 71
Ventricular fibrillation. A possible mechanism of sudden death in patients and Wolff-Parkinson-White syndrome. Dreifus LS, et al.
Circulation 43:520-7, Apr 71
Wolff-Parkinson-White syndrome. Loew DE.
J Electrocardiol 4:77-9, 1971
Occurrence of organic heart disease in association with the Wolff-Parkinson-White syndrome--analysis of 29 cases. Nasser WK, et al.
J Indiana State Med Assoc 64:111-9, Feb 71 (64 ref.)
[Hemodynamics and deformation of the hemodilution curve in paroxysmal tachycardia in a patient with WPW syndrome] Jebavý P, et al.
Cas Lek Cesk 109:965-9, 1970 (Cze)
[2-1 and 1-1 auricular flutter attack and Wolff-Parkinson-White syndrome] Picart N, et al.
Acta Cardiol (Brux) 25:77-85, 1970 (Fre)
[Surgical treatment of severe attacks of paroxysmal tachycardia in Wolff-Parkinson-White syndrome and its limitations] Latour H, et al.
Arch Mal Coeur 63:977-89, Jul 70 (Fre)
[Case of arterial hypertension caused by renal atrophy associated with intermittent Wolff Parkinson White syndrome disappearing after surgical treatment of hypertension] Ben-Ismail M, et al.
Tunis Med 48:113-7, Mar-Apr 70 (Fre)
[Vectorcardiographic aspects of the Wolff-Parkinson-White syndrome associated with branch block] Cinotti G, et al.
Boll Soc Ital Cardiol 14:36-45, 1969 (Ita)
[Syndrome of ventricular pre-excitation (WPW) and branch block. Electrocardiographic and vectorcardiographic study] Ballarino M, et al.
Cuore Circ 53:283-92, Dec 69 (Ita)
[The association of branch block with the Wolff-Parkinson-White syndrome, in a case of interatrial defect] Correale E, et al.
Rass Int Clin Ter 51:775-88, 15 Jul 71 (Ita)
[Case of WPW syndrome with repeated atypical paroxysmal tachycardia] Kato K, et al.
Jap J Clin Med 29:91-6, Jan 71 (Jap)

DIAGNOSIS

Electrocardiographic diagnosis of the Wolff-Parkinson-White syndrome with abnormal QRS complexes and paroxysmal tachycardia. Taylor JS.
J Arkansas Med Soc 67:297 passim, Feb 71
Cardiology mediquiz. Case 4. Donoso E.
Med Times 99:91 passim, Mar 71
[Auricular fibrillation and Wolff-Parkinson-White syndrome simulating ventricular tachycardia] Blanchot P, et al. Bord Med 4:1999-2002, Jun 71 (Fre)
[Wolff-Parkinson-White syndrome. I. Generalities. Electrocardiograph and complementary methods. Ajmaline test] Warembourg H, et al.
Lille Med 14:979-85, Nov 69 (Fre)
[Wolff-Parkinson-White syndrome. 3. Vectorcardiography] Warembourg H, et al.
Lille Med 14:992-7, Nov 69 (Fre)
[Wolff-Parkinson-White syndrome. II. First derivative of the electrocardiograph] Warembourg H, et al.
Lille Med 14:986-91, Nov 69 (Fre)
[What's your diagnosis?] Brilmayer C.
Med Klin 65:677 passim, 3 Apr 70 (Ger)
[Wolff-arkinson-White syndrome] O C.
Munch Med Wochenschr 113:11-8, 1 Jan 71 (Ger)
[Wolff-Parkinson-White syndrome] Sokoll U.
Z Allgemeinmed 46:1406-9, 10 Oct 70 (Ger)
[Exertion ECG in bundle branch block and WPW-syndrome with respect to the nitrate test] Willems D, et al.
Z Kreislaufforsch 59:315-22, Apr 70 (Ger)
[Effects of oculocompression on the electrocardiographic pattern in the Wolff-Parkinson-White syndrome in children] Garello L, et al.
Arch E Maragliano Patol Clin 25:55-61, Jan-Feb 69 (Ita)
[Microelectrocardiographic study of a case of complete atrio-ventricular block associated with unstable Wolff-Parkinson-White syndrome] Addarii F, et al.
Cardiol Prat 20:451-6, Dec 69 (Ita)
[Microelectrocardiographic (M-ECG) and microvectorcardiographic (M-VCG) examinations. I. M-ECG observations] Addarii F, et al.
Mal Cardiovasc 10:759-82, 1969 (Ita)
[Value of ajmaline in the clinical diagnosis of Wolff-Parkinson-White syndrome] Correale E, et al.
Rass Int Clin Ter 50:989-1006, 31 Aug 70 (Ita)
[Radioelectrocardiography in the Wolff-Parkinson-White syndrome] Czaplicki S.
Kardiol Pol 13:301-6, 1970 (Pol)
[Vectorcardiographic characteristics and several problems in the pathogenesis of Wolff-Parkinson-White syndrome] Desiatov AI.
Ter Arkh 42:109-14, Sep 70 (Rus)

DRUG THERAPY

Prevention of paroxysmal tachycaria of Wolff-Parkinson-White Syndrome with combined

propranolol and quinidine therapy. Golden RL. Psychosomatics 11:585-6, Nov-Dec 70
[Considerations on the use of ajmaline in Wolff-Parkinson-White syndrome] Nicita-Mauro V. Boll Soc Ital Cardiol 15:123-32, 1970 (Ita)
[Effect of propranolol on the electrocardiogram in Wolff-Parkinson-White disease] Szczeklik J, et al. Pol Tyg Lek 26:302-5, 1 Mar 71 (Pol)
[Oral action of N-propyl-ajmaline bitartrate. I. Preliminary note] Martínez-Muñoz A. Rev Esp Cardiol 23:331-40, Jun 70 (Spa)

ETIOLOGY

Wolff-Parkinson-White syndrome. Sherf LS, et al. Circulation 43:456-8, Mar 71
[Changing AV-conduction induced by atrial pacing in man] Grohmann HW, et al. Klin Wochenschr 49:366-7, 15 Mar 71 (Ger)
[Acquired WPW-syndrome] Schumann G. Z Kreislaufforsch 59:1081-97, Dec 70 (Ger)
[Paroxysmal tachycardia with Wolff-Parkinson-White syndrome in infants] Bellu C, et al. Pediatria (Bucur) 19:449-55, Sep-Oct 70 (Rum)
[Vectorcardiographic characteristics and several problems in the pathogenesis of Wolff-Parkinson-White syndrome] Desiatov AI. Ter Arkh 42:109-14, Sep 70 (Rus)
[Pathogenesis of Wolff-Parkinson-White syndrome] Gorelov NS. Ter Arkh 42:57-60, Nov 70 (Rus)
[Pathogenesis of the Wolff-Parkinson-White syndrome] Markov IuV. Ter Arkh 43:97-9, Jan 71 (Rus)

FAMILIAL & GENETIC

Wolff-Parkinson-White syndrome in a family. Noya M, et al. Lancet 2:712, 25 Sep 71
[Abnormality of ventricular repolarization of a familial type] Sangiorgi M, et al. Boll Soc Ital Cardiol 15:158-84, 1970 (Ita)

OCCURRENCE

[Disordersof cardiac rhythm and atrio-ventricular conduction in subjects over 70 years of age. Preliminary note] Tantalo L, et al. Minerva Med 62:617-20, 14 Feb 71 (Ita)

PATHOLOGY

Atrioventricular communication in the Wolff-Parkinson-White syndrome. Rosenberg HS, et al. Am J Clin Pathol 56:79-90, Jul 71

PHYSIOPATHOLOGY

Heart rate and intermittent Wolff-Parkinson-White syndrome. Moulopoulos SD, et al. Br Heart J 33:513-7, Jul 71
Electrical stimulation of heart in study of patients with the Wolff-Parkinson-White syndrome type A. Wellens HJ, et al. Br Heart J 33:147, Jan 71
An unusual case of Wolff-Parkinson-White syndrome with features of the pre-excitation complex of Oehnell. Lange A. Bull Pol Med Sci Hist 13:73-8, Apr 70
Anomalous atrioventricular excitation (Wolff-Parkinson-White syndrome) persisting with ectopic impulse formation. Bermudez GA, et al. Chest 58:405-6, Oct 70
Electrical stimulation of the heart in patients with Wolff-Parkinson-White syndrome, type A. Wellens HJ, et al. Circulation 43:99-114, Jan 71
Comparative investigations of the phase analysis between bundle-branch heart block and Wolff-Parkinson-White syndrome. Batalov Z. Folia Med (Plovdiv) 11:343-9, 1969
Atrioventricular conduction block in accessory pathways. Cardenas N, et al. Geriatrics 26:119-23, Feb 71
[Value of the recording of His potentials in Wolff-Parkinson-White syndrome: 6 cases] Coumel P, et al. Acta Cardiol (Brux) 26:188-222, 1971 (Fre)
[Wolff-Parkinson-White syndrome. Evidence of an accessory auriculoventricular tract obtained by recording of the potential of the bundle of His] Touboul P, et al. Arch Mal Coeur 64:638-56, May 71 (Fre)
[On a rare case of "concertina" Wolff-Parkinson-White syndrome during acute coronary insufficiency] De Petra V, et al. Cardiol Prat 20:315-9, Aug 69 (Ita)
[The genesis of electrocardiographic changes in the Wolff-Parkinson-White syndrome] Stepanov MA, et al. Kardiologiia 10:104-9, Jun 70 (Rus)
[Electrocardiographic pictures of W-P-W syndrome with early delta wave] Cagáň S, et al. Bratisl Lek Listy 55:239-48, 1971 (Slo)
[Chronometry of cardiac systole in patients with the W.P-W syndrome] Cagáň S, et al. Cas Lek Cesk 109:1109-14, Nov 70 (Slo)

PREVENTION & CONTROL

[Prevention of rhythm disorders by a new quinidine salt with sustained-action: study of quinidinemia (apropos of 45 cases)] Salvador M, et al. Arch Mal Coeur 64:712-26, May 71 (Fre)

SURGERY

Surgical treatment of Wolff-Parkinson-White syndrome. Sealy WC. Bull Soc Int Chir 29:252-6, Jul-Aug 70
The identification and divison of the bundle of Kent for premature ventricular excitation and supraventricular tachycardia. Sealy WC, et al. Surgery 68:1009-17, Dec 70
[Surgical treatment of the Wolff-Parkinson-White syndrome] Meijne NG, et al. Ned Tijdschr Geneeskd 115:90-1, 9 Jan 71 (Dut)
[Indications for surgical treatment of the Wolff-Parkinson-White syndrome] Wellens HJ, et al. Ned Tijdschr Geneeskd 115:89-90, 9 Jan 71 (Dut)
[New diagnostic and therapeutic developments in Wolff-Parkinson-White syndrome] Holzmann M. Schweiz Med Wochenschr 101:494-8, 10 Apr 71 (Ger)

THERAPY

Permanent pacing of the left atrium for treatment of WPW tachycardia. Preston TA, et al. Circulation 42:1073-7, Dec 70

WOLFFIAN DUCT (A10)

Contribution to the study of the appearance and presence of megakaryocytes in the circulation of human embryos during the early phases of intrauterine development. Mršević D, et al. Acta Anat (Basel) 76:47-55, 1970
[Does the embryonal testis of the chick secrete testosterone?] Weniger JP. Arch Anat Histol Embryol (Strasb) 53:97-105, 1970 (Fre)

ABNORMALITIES

Ureteral ectopia into a Wolffian duct remnant (Gartner's ducts or cysts) presenting as a urethral diverticulum in two girls. Vanhoutte JJ. Am J Roentgenol Radium Ther Nucl Med 110:540-5, Nov 70

ANATOMY & HISTOLOGY

[Organogenesis of the mesonephros in birds. Immunohistological study of the urinary tubule in the chick embryo] Croisille Y, et al. C R Acad Sci [D] (Paris) 272:629-31, 25 Jan 71 (Fre)
[Histological study of the mesonephros of the chick embryo in organotypic culture] Amado P. C R Soc Biol (Paris) 164:1172-4, 1970 (Fre)

EMBRYOLOGY

[Immunohistological localization of hypoxanthine dehydrogenase in the mesonephros and the metanephros of chick embryo] Beaupain D. C R Acad Sci [D] (Paris) 271:1145-7, 28 Sep 70 (Fre)
[Organogenesis of the mesonephros in birds. Immunohistological study of the urinary tubule in the chick embryo] Croisille Y, et al. C R Acad Sci [D] (Paris) 272:629-31, 25 Jan 71 (Fre)
[Organogenesis of the mesonephros in birds. Realization in vitro of quail-chicken chimera mesonephros] Gumpel-Pinot M, et al. C R Acad Sci [D] (Paris) 272:737-9, 1 Feb 71 (Fre)
[Organogenesis of the mesonephros in birds. Evolutive potentialities of the mesonephrogenic mesenchyma of the chick embryo] Martin C, et al. C R Acad Sci [D] (Paris) 272:863-4, 8 Feb 71 (Fre)
[Fine structure of the epithelia of the Wolffian duct and of the vas deferens in fetal sheep] Tiedemann K. Z Zellforsch Mikrosk Anat 113:230-48, 1971 (Ger)

ENZYMOLOGY

[Metabolic behavior of a rat tumor associated with chick embryo mesonephros in organotypic culture. II. Spectrophotometric study of lactate dehydrogenase activity] Sigot-Luizard MF, et al. Ann Histochim 15:93-6, Apr-Jun 70 (Fre)
[Metabolic behavior of a rat tumor associated with chick embryo mesonephros in organotypic culture. I. Histochemical study] Sigot-Luizard MF, et al. Ann Histochim 15:87-92, Apr-Jun 70 (Fre)

GROWTH & DEVELOPMENT

[Contribution of the Wolffian duct and its derivatives to the edification of urinary tubules of the mesonephros and metanephros in the bird embryo] Martin C. C R Acad Sci [D] (Paris) 272:1305-7, 1 Mar 71 (Fre)
[Modifications, in the rat, during development of the testis, of its inhibitory action on the Müllerian ducts in vitro] Picon R. C R Acad Sci [D] (Paris) 271:2370-2, 21 Dec 70 (Fre)
[Development of the Wolffian duct in the mouse embryo cultivated in vitro in the presence of dihydrotestosterone] Weniger JP, et al. C R Acad Sci [D] (Paris) 271:2367-9, 21 Dec 70 (Fre)

METABOLISM

Testosterone metabolism in target tissues. 2. Human fetal and adult reproductive tissues, perineal skin and skeletal muscle. Kelch RP, et al. J Clin Endocrinol Metab 32:449-56, Apr 71
[Metabolism of testosterone by the testis and Wolffian ducts of mouse embryos] Weniger JP, et al. C R Acad Sci [D] (Paris) 272:1796-8, 29 Mar 71 (Fre)
[Transformation of testosterone into dehydrotestosterone by Wolffian ducts in mice embryo] Weniger JP, et al. C R Acad Sci [D] (Paris) 271:1307-10, 12 Oct 70 (Fre)

PHYSIOLOGY

[The Wolffian duct induces the formation of the ostium of the Müllerian duct: demonstration in the chick embryo] Didier E. J Embryol Exp Morphol 25:115-29, Feb 71 (Fre)

WOLFRAM see TUNGSTEN (D1)

WOMEN (M)

Women in hospital pharmacy--a study in eight states. Austin JE, et al. Am J Hosp Pharm 28:26-36, Jan 71
Equal rights for women: voices from the past. (Dock LL), Christy T. Am J Nurs 71:288-93, Feb 71
Equal rights for women: perspectives. Edelstein RG. Am J Nurs 71:294-8, Feb 71
Equal rights for women. The amendment: do women need it? Golick T. Am J Nurs 71:284-7, Feb 71
The dilemma of women in our culture: gynecologic repercussions. II. Easley EB. Am J Obstet Gynecol 110:858-64, 15 Jul 71
Women in the kibbutz. Gerson M. Am J Orthopsychiatry 41:566-73, Jul 71
The position of women in Judaism. Rosner F. Ann Intern Med 74:645-8, Apr 71
Women students in Canadian medical schools. Nelson-Jones R, et al. Br J Med Educ 4:97-108, Jun 70
A look at the Francis Report on the status of women in Canada. Can Nurse 67:25-6, Feb 71
Environment and health. Women and cigarette smoking. Antoine DV. Del Med J 43:170, Jun 71
Women--the impact of advances in fertility control on their furture. A presidential address. Jones GS. Fertil Steril 22:347-50, Jun 71
Widows as a minority group. Lopata HZ. Gerontologist 11:Suppl:67-77, Spring 71
Some anthropometric and physiological data in relation to performance of top female gymnasts. Pool J, et al. Int Z Angew Physiol 27:329-38, 23 Oct 69
Women in academic life. Kenyon KM. J Biosoc Sci [Suppl] 2:107-18, May 70
Women mathematicians and the creative personality. Helson R. J Consult Clin Psychol 36:210-20, Apr 71
About aliens and alienations. JAMA 214:2047, 14 Dec 70
The mental health movement meets Women's Lib. Ment Hyg 55:1-9, Jan 71
The timing of the first birth, female roles and black fertility. Presser HB. Milbank Mem Fund Q 49:329-61, Jul 71
Can women's liberation movement help hospitals? Barton CC. Mod Hosp 116:65, May 71
Riposte on abortion. Roberts BH, et al. N Engl J Med 284:1444-6, 24 Jun 71
The widow's mite. Kemp S. Nurs Times 66:1464, 29 Oct 70
Neurasthenia. The medical profession and the "new woman" of late nineteenth century. Haller JS Jr. NY State J Med 71:473-82, 15 Feb 71
Is there a separate feminine psychology? Shainess N. NY State J Med 70:3007-9, 15 Dec 70
The opening of the second front. Dr. Berman and the ladies. Barnes AC. Obstet Gynecol 37:320-2, Feb 71
The modern woman and the modern world. Hoffman MS. Occup Health Nurs (NY) 18:16-7, Dec 70
Freud and female sexuality: a previously unpublished letter. (Freud S), Burnham DL. Psychiatry 34:328-9, Aug 71
The Jocasta complex, mothering and women geniuses. Besdine M. Psychoanal Rev 58:51-74, Spring 71
Intrepid analysis of female scientists. Davenport D, et al. Science 171:521-2, 12 Feb 71
Women, please apply. Magasanik B. Science 171:631, 19 Feb 71
Male bias of NIH. Moog F. Science 171:236, 22 Jan 71
Admission of women into medical schools in the United States: current status. Morgan BC. Woman Physician 26:305 passim, Jun 71
[Physical capacity of Algerian and Czech female medical students] Havel V, et al. Int Z Angew Physiol 27:292-8, 23 Oct 69 (Fre)
[Women in the veterinary profession in the German Democratic Republic. Interviews on the 60th International Women's Day] Monatsh Vet Med 25:164-75, 1 Mar 70 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Social position of woman in modern industrial society] Stamm H. Ther Ggw 109:1385-6 passim, Oct 70 (Ger)
[Medical problems in employment of women at tractors and combines] Fritze G, et al. Z Aerztl Fortbild (Jena) 64:957-62, 15 Sep 70 (Ger)
[Some socio-psychological problems of our women] Erkrath FA. Zentralbl Gynaekol 92:1705-10, 26 Dec 70 (Ger)
[History and sexology. On the excellence of the female sex] Caffaratto TM. Minerva Ginecol 23:553-61, Jun 71 (Ita)
[Requirements of working women for establishments for collective care of the youngest preschool children] Shcherbakov VN. Sov Zdravookhr 29:13-8, 1970 (Rus)

HISTORY

[Problems of protecting the health and rights of women and children in the works of V. I. Lenin] (Lenin VI), Grishina TA, et al. Sov Zdravookhr 29:34-8, 1970 (Rus)

WOMEN PHYSICIANS see PHYSICIANS, WOMEN

(M, N2)

WOOD (J)

The effect of the ingestion of peat and wood shavings on the incidence of hypomagnesaemia in milk-fed calves. Ivins LN, et al. Br Vet J 126:505-11, Oct 70
Digestion of aspen, alkali-treated aspen, and aspen bark by goats. Mellenberger RW, et al. J Anim Sci 32:756-63, Apr 71
Utilization of oak sawdust as a roughage substitute in beef cattle finishing rations. el-Sabban FF, et al. J Anim Sci 32:749-55, Apr 71
Asbestos-related chest disease in joiners. Fletcher DE. Proc R Soc Med 64:837-8, Aug 71
Histoplasmin tests in Ugandan sawmill workers. Bezjak V. Trop Geogr Med 23:71-8, Mar 71
[Wooden foreign bodies in the orbit] Tillmann W. Klin Monatsbl Augenheilkd 157:424-7, Sep 70 (Ger)
[Western red ceder asthma. 1. Epidemiology] Ishizaki T, et al. Jap J Allergy 20:504-13, Jul 71 (Jap)
[Western red ceder asthma. 2. Clinical studies] Ishizaki T, et al. Jap J Allergy 20:514-22, Jul 71 (Jap)
[Powdered wood as an aid in tablet preparation. I. Preparation and study of basic properties of powdered wood] Kolarski K, et al. Acta Pol Pharm 27:393-6, 1970 (Pol)
[Hygienic assessment of combined wood plastic with phenol-formaldehyde resin base] Grigor'eva MN. Gig Sanit 35:47-50, Apr 70 (Rus)
[Hygienic assessment of methods of removing phenols from waste waters from sleeper-impregnating factories] Preobrazhenskaia AS, et al. Gig Sanit 36:99-100, 1971 (Rus)
[The cooperation of public health and social organizations and administration of the "Udmurties" combinate in lowering morbidity and accidents] Anisimov NI. Zdravookhr Ross Fed 15:26-7, Jan 71 (Rus)

ADVERSE EFFECTS

[On the pathology due to Mansonia wood] Salamone L, et al. Folia Med (Napoli) 52:427-49, Jul 69 (Ita)

ANALYSIS

Bronchial reactions to western red cedar (Thuja plicata). Chan-Yeung M, et al. Can Med Assoc J 105:56-8 passim, 10 Jul 71

WOOD ENGRAVING see under ENGRAVING AND

ENGRAVINGS (K)

WOOL (A13)

Potentially infectious agents associated with shearling bedpads: effect of laundering with detergent-disinfectant combinations on Staphylococcus aureus and Pseudomonas aeruginosa. Wilkoff LJ, et al. Appl Microbiol 21:647-52, Apr 71
The effect of fasciolosis on the wool production of merino sheep. Roseby FB. Aust Vet J 46:361-5, Aug 70
The expected and observed changes in the intake of three hays by sheep after shearing. Minson DJ, et al. Br J Nutr 26:31-9, Jul 71
The preparation of nutritious protein from wool. Shorland FB, et al. Br J Nutr 24:717-25, Sep 70
Inheritance of colour in Chokla and crossbred sheep. Singh LB, et al. Indian Vet J 48:260-6, Mar 71
Body weight gain and wool growth response to formaldehyde treated casein and sulfur amino acids. Wright PL. J Anim Sci 33:137-41, Jul 71
Responses of unshorn and shorn sheep to thermal stress. Phillips GD, et al. J Physiol (Lond) 208:317-28, Jun 70
Evaluation of surgical masks: the potential of resin-treated wool. Garrow C, et al. Surgery 69:881-3, Jun 71

ANALYSIS

Determination of lanthionine in wool by selective desulfuration with Raney nickel. Wroński M, et al. Anal Biochem 36:18-21, Jul 70
Purification and reoxidation of a low-sulphur protein prepared by limited trypsin digestion of reduced wool. Hilburn ME, et al. Biochim Biophys Acta 214:245-7, 27 Jul 70

CYTOLOGY

Keratin fibres. IV. Structure of cuticle. Bradbury JH, et al. Aust J Biol Sci 23:843-54, Aug 70
Chromatography of DNA on wool cortical cell protein. Freeland GN, et al. J Chromatogr 56:147-50, 24 Mar 71

GROWTH & DEVELOPMENT

Measurement of wool growth and its response to nutritional changes. Downes AM, et al. Aust J Biol Sci 24:117-30, Feb 71
Metabolic fate of parenterally administered sulphur-containing amino acids in sheep and effects on growth and composition of wool. Downes AM, et al. Aust J Biol Sci 23:1077-88, Oct 70
Nitrogen balance studies with the milk-fed lamb. 9. Energy and protein requirements for maintenance, live-weight gain and wool growth. Walker DM, et al. Br J Nutr 26:15-29, Jul 71

METABOLISM

Incorporation of [Me-3H]methionine into wool follicle proteins: a biochemical and ultrastructural study. Wilson PA, et al. J Cell Sci 8:489-512, Mar 71

WORD ASSOCIATION TESTS (F3)

Studies in the expanded word association test. I. Effects of cerebral dysfunction. Bachrach H. J Pers Assess 35:148-58, Apr 71
Instructional effects on word association commonality in high and low "schizophrenic" college students. Routh DK. J Pers Assess 35:139-47, Apr 71
Word association and ink blot responses as a function of instructional sets and psychopathology. Routh DK, et al. J Proj Tech Pers Assess 34:113-20, Apr 70
Paralinguistic and kinesic cues in a word association game. Morey E, et al. Lang Speech 13:279-84, Oct-Dec 70
Note on word frequency as a factor in perception of category size. Thompson CP. Percept Mot Skills 30:301-2, Feb 70
Effect of an external stress on commonality of verbal associates. Coren S, et al. Psychol Rep 28:328-30, Feb 71
Commonality of word association response in schizophrenia as a function of premorbid adjustment, chronicity, and paranoid status. Deckner CW, et al. Psychol Rep 26:503-9, Apr 70
Relationship of manifest aggressiveness to aggressive word associations. Geen RG, et al. Psychol Rep 25:711-4, Dec 69
Psychophysiological and cognitive development in children: the relationship of skin conductance and heart rate to word associations and task requirements. Kaplan BE. Psychophysiology 7:18-26, Jul 70
[Retention of word-pairs as a function of various linguistic variables] Segui J. Annee Psychol 70:123-30, 1970 (Fre)
[C. G. Jung's word association test. Diagnosis of psychogenic diseases] Roemer H. Med Welt 7:233-7, 13 Feb 71 (Ger)
[The word list as a psychodiagnostic aid] Notz I. Prax Kinderpsychol Kinderpsychiatr 20:27-9, Jan 71 (Ger)

WORK (J)

Neuroendocrine and metabolic responses to intermittent night shift work. Hale HB, et al. Aerosp Med 42:156-62, Feb 71
Work credit for the aircrewman. Hartman BO, et al. Aerosp Med 41:1042-5, Sep 70
Mobility and work satisfaction: a discussion of the use and interpretation of mobility models. Laslett B. Am J Sociol 77:19-35, Jul 71
Work-flow influences on the interaction of schizophrenics. Lubow BK. Arch Gen Psychiatry 25:155-60, Aug 71
Emotional illness and the working environment. Aldridge F. Ergonomics 13:613-21, Sep 70
Health and productivity. Bryson DD. Ergonomics 13:561-8, Sep 70
Circadian rythms, mental efficiency and shift work. Colquhoun WP. Ergonomics 13:558-60, Sep 70
Retirement and work orientation. Atchley RC. Gerontologist 11:29-32, Spring 71
Work and leisure for older workers. Clague E. Gerontologist 11:Suppl:9-20, Spring 71
A consideration of some factors related to work after retirement. Fillenbaum GG. Gerontologist 11:18-23, Spring 71
Work as a therapeutic agent. Singer PR, et al. Hosp Community Psychiatry 21:235-7, Jul 70
On muscle strength and the threshold of anaerobic work. Kay C, et al. Int Z Angew Physiol 27:311-28, 23 Oct 69
Dentists' work habits: a survey. Hill PH, et al. J Am Dent Assoc 81:1125-30, Nov 70
Exhausting work limited by external resistance and inhalation of carbon dioxide. Craig FN, et al. J Appl Physiol 29:847-51, Dec 70
Central and peripheral stimuli regulating sweating during intermittent work in men. Gisolfi C, et al. J Appl Physiol 29:761-8, Dec 70
Central circulation during submaximal work preceded by heavy exercise. Hartley LH, et al. J Appl Physiol 29:818-23, Dec 70
FFA mobilization during and after prolonged severe muscular work in men. Pruett ED. J Appl Physiol 29:809-15, Dec 70
Job dissatisfaction as a possible risk factor in coronary heart disease. Sales SM, et al. J Chronic Dis 23:861-73, May 71
Perceived clarity of individual job objectives and of group mission as correlates of organizational morale. Maher JR, et al. J Commun 20:125-33, Jun 70
On the relation between attitude to work and attitude to retirement. Fillenbaum GG. J Gerontol 26:244-8, Apr 71
Work is a four letter word. A report from the Long Range Planning Committee. McLean A. J Occup Med 12:381-5, Oct 70
Threshold limit values and total work load. Zielhuis RL. J Occup Med 13:30-4, Jan 71
A survey of the work-load in a general practice. Smith JW, et al. J R Coll Gen Pract 20:202-11, Oct 70
Satisfaction at work. Thorpe E, et al. Lancet 2:660, 18 Sep 71
Satisfaction at work or outside it? Tredgold RF. Lancet 2:420-3, 21 Aug 71
The effect of labor force participation on the relation between migration status and fertility in San Juan, Puerto Rico. Macisco JJ Jr, et al. Milbank Mem Fund Q 48:51-70, Jan 70
Why do basic nursing students work in nursing? Paynich ML. Nurs Outlook 19:242-5, Apr 71
The psychological demands of work. Broadbent DE. Proc R Soc Med 64:703-7, Jul 71
Child work and social class. Engel M, et al. Psychiatry 34:140-55, May 71
The working mother. The effect upon home and family. Harris J. R Soc Health J 90:264-6 passim, Sep-Oct 70
Is work therapy really therapeutic? Kunce JT. Rehabil Lit 31:297-9 passim, Oct 70
Respiratory responses to static muscular work. Myhre K, et al. Resp Physiol 12:77-89, Apr 71
Work demands or food deprivation? MacDonald L, et al. Science 170:1229, 11 Dec 70
Cerebral mechanism in the development of skill in manual work. Hori Y, et al. Tohoku J Exp Med 103:389-405, Apr 71
[Different modalities of work with alternating shifts] Andlauer P. Arch Mal Prof 32:393-5, Apr-May 71 (Fre)
[Position of European organizations toward child and adolescent labor] Blancher G. Arch Mal Prof 30:257-8, Apr-May 69 (Fre)
[Study on half-time work] Prost MJ. Arch Mal Prof 30:726-7, Dec 69 (Fre)
[Evolution of various circulatory, respiratory and metabolic parameters during exercise performed in a moisy enviroment] Degré S, et al. Int Z Angew Physiol 29:234-8, 1971 (Fre)
[Selection of workers in a hot environment] Pirnay F, et al. Int Z Angew Physiol 29:73-87, 1970 (Fre)
[Mechanical work in walking and running] Cavagna GA. J Physiol (Paris) 1:Suppl 1:3-42, 1969 (Fre)
[Local dynamic work capacity in hypoxia] Monod H. J Physiol (Paris) 62:Suppl 3:418-9, 1970 (Fre)
[Work and mental health] Gosselin JY. Union Med Can 99:1120-4, Jun 70 (Fre)
[The "analytical labor evaluation" as a measuring instrument of industrial medicine] Brock RR. Arch Hyg Bakteriol 154:73-8, Jun 70 (Ger)
[Changes in heart rate and arterial glucose and lactate levels during 2- and 4-minute intervals of running] Kul J, et al. Int Z Angew Physiol 29:55-64, 1970 (Ger)
[A mathematical criterion for the determination of endurance limit] Ulmer HV. Int Z Angew Physiol 27:299-310, 23 Oct 69 (Ger)
[Results of a longitudinal study of students in agriculture] Fritze G, et al. Z Aerztl Fortbild (Jena) 64:201-3, 15 Feb 70 (Ger)
[Disease and accident incidence in women depending on age, length of employment, shift and distance between home and employment site] Jüttner E. Z Gesamte Hyg 16:552-7, Jul 70 (Ger)
[Studies on human physical capability and gross energy transfer during industrial and traditional work in tropical climate] Haas J. Z Tropenmed Parasitol 21:267-306, Sep 70 (Ger)
[Return to work after a first myocardial infarction] Wallach L, et al. Harefuah 77:224-7, 15 Sep 69 (Heb)
[Working capacity in a hyperthermic environment.

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Influence of various organic conditions] Fradà G, et al. Folia Med (Napoli) 52:609-27, Oct 69 (Ita)
[Work and environmental temperature. Study of various respiratory parameters] Rizzo A.
Folia Med (Napoli) 52:628-37, Oct 69 (Ita)
[Problems of mental health and psychiatric assistance: agricultural work therapy as an element in treatment and social rehabilitation] Dall'Acqua GF, et al.
Ig Mod 62:665-74, 1969 (Ita)
[Ergonomics] Grieco A. Med Lav 60:81-4, Feb 69 (Ita)
[Extra-auditory effects of noise. Noise and work production. Industrial music] Odescalchi CP.
Med Lav 61:629-44, Dec 70 (Ita)
[Effect of emotional conditioning in hypnosis on work production in the post-hypnotic period] Ancona L.
Minerva Med 61:4647-51, 20 Oct 70 (Ita)
[Problems and solutions in ergotherapy] Benassi P.
Riv Sper Freniatr 95:433-7, 30 Apr 71 (Ita)
[Achievements and prospects of ergotherapy in the psychiatric hospital] Capaldo T, et al.
Riv Sper Freniatr 95:438-42, 30 Apr 71 (Ita)
[Ergotherapy and re-socialization. Analysis of and proposals on the problems of the return of the patient to the reality of work] Iannuccelli C, et al.
Riv Sper Freniatr 95:443-8, 30 Apr 71 (Ita)
[Ergotherapy as a dynamic factor in the nurse-patient relationship in a department for chronic disease patients] Masella C.
Riv Sper Freniatr 95:449-52, 30 Apr 71 (Ita)
[Experiences of an ergotherapist] Menozzi L.
Riv Sper Freniatr 95:456-7, 30 Apr 71 (Ita)
[Basic principles of modern psychiatric ergotherapy] Padovani G. Riv Sper Freniatr 95:423-8, 30 Apr 71 (Ita)
[Achievements and prospects of ergotherapy in the psychiatric hospital] Ruini I.
Riv Sper Freniatr 95:453-5, 30 Apr 71 (Ita)
[Hygienic studies of foundation garments. 2. Effects on physical functions and work efficiency] Ikuta N.
Jap J Hyg 25:350-5, Oct 70 (Jap)
[Energy output of industrial workers. II] Grójec M, et al. Rocz Panstw Zaki Hig 21:565-70, 1970 (Pol)
[Effect of physical work on the skeletal structure of the loder extremities] Mashkara KI.
Arkh Anat Gistol Embriol 58:88-94, Nov 70 (Rus)
[Effect of cariogenic diets on dynamic working capacity] Mukashev TK.
Biull Eksp Biol Med 70:37-9, Aug 70 (Rus)
[Recording the work in pharmacies by means of an 11-key for blood element counter] Gorokhovskiĭ VI, et al. Farmatsiia 18:74-5, May-Jun 69 (Rus)
[Balancing of working hours in the analysis of the working time of pharmaceutical workers] Laas AA, et al. Farmatsiia 18:21-4, May-Jun 69 (Rus)
[Labor law code] Farmatsiia 19:3-6, Nov-Dec 70 (Rus)
[Evaluation of a human operator's work quality by EEG] Chubarov AV, et al.
Fiziol Zh SSSR 57:341-7, Mar 71 (Rus)
[Excretion of catecholamines and their precursors during nighttime and daytime work] Matlina ESh, et al. Fiziol Zh SSSR 57:1027-31, Jul 71 (Rus)
[The significance of the ideas of V. I. Lenin in present-day physiology] (Lenin VI), Medvedev VI, et al. Fiziol Zh SSSR 56:510-3, Apr 70 (Rus)
[On the economic and social effect of the new system of a 5-day work week] Zakhartseb T, et al.
Folia Med (Plovdiv) 12:81-7, 1970 (Rus)
[Evaluation of the work of adolescent machine operators using radiotelemetric determination of pulse rate] Chernousova LN, et al.
Gig Sanit 35:94-6, Oct 70 (Rus)
[Work experience of preventive medical institutions under the 5-day work week] Luchina KI, et al.
Gig Sanit 35:56-9, Mar 70 (Rus)
[Scientific organization of the work of adolescents in conditions of industrial training and practice] Mamedov AM, et al. Gig Sanit 35:100-1, Dec 70 (Rus)
[Physiological and biochemical changes in working under neuro-emotional and physical stress] Vasil'eva M, et al. Gig Sanit 35:78-80, Feb 70 (Rus)
[Physiological substantiation of work and rest schedules of construction workers] Kiseleva VI, et al.
Gig Tr Prof Zabol 14:47-8, Nov 70 (Rus)
[Interim agreement on the question of working hours] Lund T. Lakartidningen 68:90-2, 6 Jan 71 (Swe)
[The work conditions, satisfaction, career, health of federal empolyees]
Lakartidningen 68:938-40, 24 Feb 71 (Swe)
[Problems of old age]
Arch Belg Med Soc 28:630-83 contd, Nov-Dec 70 (Mul)

WORK CAPACITY EVALUATION see under

DISABILITY EVALUATION (E1, N2)

WORK SIMPLIFICATION see under EFFICIENCY

(F1)

WORKMEN'S COMPENSATION (N3)

see also related
DISABILITY EVALUATION (E1, N2)

Rehabilitation: a major objective of the social security disability program. Lunsford FL.
Arch Phys Med Rehabil 52:385-6, Aug 71
Medico-legal evaluation of hearing problems. Barelli PA, et al. Eye Ear Nose Throat Mon 49:398-405, Sep 70
Cooperation--medical societies and industrial commissions. Gintz RE. Ill Med J 130:659-62, Nov 66
Compensation illness as a retirement channel. Brodsky CM. J Am Geriatr Soc 19:51-60, Jan 71
The importance of autopsies in workmen's compensation cardiac fatalities. A study of sixty-seven autopsy subjects. Lasky II.
J Forensic Sci 15:507-28, Oct 70
Recent developments in the status of Workmen's Compensation. Howell TS Jr.
J Med Assoc Ga 59:422-3, Nov 70
Coal workers' pneumoconiosis disability benefits. Hess AE. J Occup Med 12:466-70, Nov 70
Some economic dimensions of traumatic injuries. Schlueter CF. J Trauma 10:915-20, Nov 70
Who supports items 7060 and 7061? Milne E, et al.
Med J Aust 2:511, 12 Sep 70
Payments for workers' compensation treatment. Van Dugteren NR. Med J Aust 1:557, 6 Mar 71
Medical aspects of insurance litigation. Ashby M.
Med Leg J 39:45-57, 1971
Medical-legal aspects of disability evaluation. II. Workmen's compensation. Wieler RL, et al.
Minerva Pediatr 67:715-9, Oct 70
Drug addiction and alcohol abuse under Workmen's Compensation. Curran WJ.
N Engl J Med 285:559, 2 Sep 71
An unfair and unworkable regulation. Berkey LG.
NY State Dent J 37:428, Aug-Sep 71
Problems in care of Workmen's Compensation cases. Howard MN. NY State J Med 71:1653-7, 1 Jul 71
Workmen's Compensation. Some notes and comments on recent legislation. Ede L.
Occup Health Nurs (NY) 19:13-6, Aug 71
Compensation for personal injury. Carter W.
Proc R Soc Med 63:1149-50, Nov 70
Noise-induced hearing loss in industry: employers' liability. Everett M. Proc R Soc Med 64:207-10, Feb 71
Ethical practices in reference to Workmen's Compensation and the "Open Panel Program".
Wis Med J 70:29-30, Jan 71
[Medico-legal considerations apropos of post-traumatic intraperitoneal rupture of a hydatid cyst of the liver] Arcadio F, et al.
Med Leg Domm Corpor (Paris) 1:386-8, Oct 68 (Fre)
[Acute malignant glomerulonephritis. Sequel of a banal work accident. Medico-legal interest] Michaux P, et al.
Med Leg Domm Corpor (Paris) 1:367-70, Oct 68 (Fre)
[Skin cancer appearing 40 years after 2 facial wound caused by a casting splash] Thiers H, et al.
Med Leg Domm Corpor (Paris) 1:385, Oct 68 (Fre)
[Operation of the National Swiss Insurance Institute in the case of an accident] Martin JP.
Praxis 59:560-4, 14 Apr 70 (Fre)
[Associated diseases in persons receiving invalid pensions] Hoppe R.
Dtsch Med Wochenschr 95:2319-20 passim, 13 Nov 70 (Ger)
[Disability evaluation within the framework of industrial medicine] Asanger R.
Hefte Unfallheilkd 99:341-6, 1969 (Ger)
[War disability and occupational disability evaluation] Springorum PW.
Monatsschr Unfallheilkd 72:442-4, Oct 69 (Ger)
[Considerations on insurance protection against ancylostomiasis in agriculture] Di Paolo R, et al.
Folia Med (Napoli) 53:83-98, Apr-May 70 (Ita)
[Esthetic damage and private insurance against accidents] Antoniotti F, et al.
Zacchia 5:37-50, Jan-Mar 69 (Ita)

STANDARDS

AEC workmen compensation standards. Eason CF.
J Occup Med 12:410-5, Oct 70

WORLD HEALTH ORGANIZATION (N3)

W.H.O. nomenclature in cytology.
Acta Cytol (Baltimore) 15:318-9, May-Jun 71
WHO wants clinical pharmacology? Melmon KL, et al.
Ann Intern Med 74:291-2, Feb 71
Regional director's address for ICMR-World Health Day. Gunaratne VT. Indian J Cancer 7:250-4, Sep 70
International Conference on the Epidemiologic Assessment of Dentofacial Anomalies. WHO basic oral epidemiology methods. Barmes DE.
Int Dent J 20:570-4, Dec 70
No entry. Lancet 1:1114, 29 May 71
The work of W.H.O. Lancet 1:1113-4, 29 May 71
World health report. Lancet 2:196-7, 24 Jul 71
The WHO fellowship programme.
WHO Chron 24:473-5, Oct 70
International Education Year: WHO activities.
WHO Chron 24:441-3, Oct 70
Communicable diseases in 1970. Some aspects of the WHO programme. WHO Chron 25:249-62, Jun 71
WHO Expert Committee on Drug Dependence. Eighteenth report. WHO Tech Rep Ser 460:1-45, 1970
[Research in cardiology and WHO] Pedersen A.
Ugeskr Laeger 133:1048, 28 May 71 (Dan)
[World Health Organization: comment on the organization of mental health services]
J Med Lyon 50:1729-30 passim, 5 Dec 69 (Fre)
[World Health Organization. Towards the notion of familial protection]
J Med Lyon 51:1246-8, 20 May 70 (Fre)
[Less poxvirus infections]
Med Klin 65:1800, 9 Oct 70 (Ger)
[World Health Organization and the international medical research program] Btesh S.
Ann Sanita Pubblica 31:115-23, Mar-Apr 70 (Ita)
[International cooperation in the health field] Vannugli R.
Ann Sanita Pubblica 31:445-63, Jul-Aug 70 (Ita)
[International Reference Center for Stomach Cancer in WHO] Tsukamoto N.
Jap J Cancer Clin 16:971-2, Sep 70 (Jap)
[On the scientific activities of the World Health Organization] Leligdowicz A.
Pol Tyg Lek 26:247-51, 15 Feb 71 (Pol)
[The Brazilian method and WHO] Seidl F.
Rev Bras Med 27:120, Feb 70 (Por)
[Activity of the WHO Regional Bureau for the Western Mediterranean] Tabi LKh.
Sov Zdravookhr 28:52-4, 1969 (Rus)
[Certain aspects of the program activity of the World Health Organization and the sources and scope of its financing] Vasin VT.
Zdravookhr Ross Fed 15:40-3, Feb 71 (Rus)
[Committee on Experts of the PHO-WHO. 1st report on the teaching of biochemistry in the medical schools of Latin America]
Educ Med Salud 3:89-97, Apr-Jun 69 (Spa)
[Committee of Experts of the PHO-Who. 1st report on the teaching of pharmacology in the medical schools of Latin America]
Educ Med Salud 3:98-107, Apr-Jun 69 (Spa)
[Committee on Experts of the PHO-WHO. 1st report on the teaching of pediatrics in the medical schools of Latin America]
Educ Med Salud 3:118-31, Apr-Jun 69 (Spa)
[Committee of Experts of the PHO-WHO. 1st report on the teaching of physiology in the medical schools of Latin America]
Educ Med Salud 3:108-17, Apr-Jun 69 (Spa)
[Committee of Experts of the PHO-WHO. 1st report on the teaching of preventive and social medicine in the schools of medicine in Latin America]
Educ Med Salud 3:132-55, Apr-Jun 69 (Spa)
[Committee of Experts of the PHO-WHO. 1st report on the teaching of pathology in the medical schools of Latin America]
Educ Med Salud 3:81-8, Apr-Jun 69 (Spa)
[WHO acts for everybody's health in all countries] Osterberg S.
Lakartidningen 68:2489-93, 19 May 71 (Swe)
[A critique on the World Health Organization publication "Plans, organization and economics of Public Health laboratory services"] Arl A.
Turk Hij Tecr Biyol Derg 30:185-91, 1970 (Tur)

HISTORY

[Yugoslavia and international health cooperation (25th anniversary of the United Nations)] Jakovljević D.
Vojnosanit Pregl 27:569-71, Dec 70 (Cro)

WOUND HEALING (G1)

see also related
GRANULATION TISSUE (A10)

Wound healing impairment from sutures. A tensiometric and histologic study in the rat. Brunius U. Acta Chir Scand 395:Suppl 395:1+, 1968
Histochemical demonstration of adenosine triphosphate hydrolysis in healing fractures of young mice. Severson AR, et al.
Acta Histochem (Jena) 37:176-85, 1970
Revascularization in the oral mucous membrane following microvascular injury. Folke LE.
Acta Odontol Scand 28:785-810, Dec 70
Experimental pulpotomy in human bicuspids with reference to cutting technique. Granath LE, et al.
Acta Odontol Scand 29:155-63, Jun 71
Polarizing microscopic studies on the regeneration behaviour of perforating corneal wounds. Varga M, et al. Acta Ophthalmol (Kbh) 48:1080-90, 1970
Transplantation of pedicle bone grafts to fresh skeletal defects and defect pseudarthroses. An experimental study. Baadsgaard K.
Acta Orthop Scand 41:261-71, 1970
Healing in the experimentally fractured os priapi of the rat. Beresford WA. Acta Orthop Scand 41:134-49, 1970
Mast cells in endosteal and periosteal bone repair. A quantitative study on callus tissue of healing fractures in rabbits. Lindholm RV, et al.
Acta Orthop Scand 41:129-33, 1970
Measurement of stability of tibial fractures. A

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

mechanical method. Jernberger A.
Acta Orthop Scand [Suppl] 135:Suppl 135:1+, 1970
The appearance of oxidoreductases in healing fractures. Raekallio J, et al.
Acta Pathol Microbiol Scand [A] 78:658-64, 1970
A method for experimental, penetrating gastric and duodenal ulcers in rats. Observations on normal healing. Okabe S, et al. Am J Dig Dis 16:277-84, Mar 71
Sutures and wound healing. Myers MB.
Am J Nurs 71:1725-7, Sep 71
Behavior of smooth muscle cells and formation of extracellular structures in the reaction of arterial walls to injury. Poole JC, et al.
Am J Pathol 62:391-414, Mar 71
Healing in congenital osseous syphilis. Levin EJ.
Am J Roentgenol Radium Ther Nucl Med 110:591-7, Nov 70
Wound fluid zinc levels during tissue repair. Sequential determination by means of surgically implanted teflon cylinders. Lichti EL, et al.
Am J Surg 121:665-7, Jun 71
Effect of zinc deficiency on wound-healing in rats. Oberleas D, et al. Am J Surg 121:566-8, May 71
Wound kinetics: water and electrolyte changes from zero to sixty days in clean wounds. Rocchio MA, et al. Am J Surg 121:560-6, Apr 71
Study of traditional methods of care on the tensile strength of skin wounds in rats. Stephens FO, et al.
Am J Surg 122:78-80, Jul 71
Pathophysiology and treatment of stasis ulcers of the leg. Myers MB, et al. Am Surg 37:167-74, Mar 71
Functional and angiographic vasculature in healing wounds. Myers MB, et al. Am Surg 36:750-6, Dec 70
Spontaneous repair of the tympanic membrane. Histpathological studies in the cat. McIntire C, et al.
Ann Otol Rhinol Laryngol 79:1129-31, Dec 70
Effect of changes in inspired oxygen and carbon dioxide tensions on wound tensile strength: an experimental study. Stephens FO, et al.
Ann Surg 173:515-9, Apr 71
Tensiometric studies of unwounded and wounded skin: results using a standardized testing method. White WL, et al. Ann Surg 173:19-25, Jan 71
Source of the fibroblast in central corneal wound healing. Baum JL. Arch Ophthalmol 85:473-7, Apr 71
Cytotoxic effects of periodontally involved surfaces of human teeth. Hatfield CG, et al.
Arch Oral Biol 16:465-8, Apr 71
Wound healing in monkey (Macaca irus) mandible: effect of elevating periosteum on formation of subperiosteal callus. Melcher AH.
Arch Oral Biol 16:461-4, Apr 71
Repair of wounds in the periodontium of the rat. Influence of periodontal ligament on osteogenesis. Melcher AH. Arch Oral Biol 15:1183-204, Dec 70
Healing of fractures of the neck of the mandible in rats with detachment of the lateral pterygoid muscle. Sprinz R. Arch Oral Biol 15:1219-29, Dec 70
Stimulants of cellular proliferation in wounds. Alexander JW, et al. Arch Surg 103:167-74, Aug 71
Blood supply of healing wounds: functional and angiographic. Myers MB, et al.
Arch Surg 102:49-52, Jan 71
Healing of colonic anastomoses following resection for experimental "diverticulitis". Yamakawa T, et al.
Arch Surg 103:17-20, Jul 71
Periapical repair following conservative endodontic therapy. Heithersay GS. Aust Dent J 15:511-8, Dec 70
Enzyme changes in the early phase of healing skin burns in guinea-pigs. Malik MO.
Br J Exp Pathol 52:345-52, Aug 71
Structural changes around screws used in the treatment of fractured human mandibles. Southam JC, et al. Br J Oral Surg 8:211-21, Mar 71
Wound contraction in rabbits and the effectiveness of skin grafts in preventing it. Sawhney CP, et al.
Br J Plast Surg 23:318-21, Oct 70
The effect of intraperitoneal Malayan pit-viper venom on adhesion formation and peritoneal healing. Ashby EC, et al. Br J Surg 57:863, Nov 70
Tape-closed and sutured wounds: a comparison by tensiometry and scanning electron microscopy. Forrester JC, et al. Br J Surg 57:729-37, Oct 70
The healing of tissues incised by a carbon-dioxide laser. Hall RR. Br J Surg 58:222-5, Mar 71
Collagenase activity in the gastro-intestinal tract. Hawley PR, et al. Br J Surg 57:896-900, Dec 70
The effect of mechanical obstruction on tissue regeneration in the rabbit's ear. Joseph J, et al.
Br J Surg 58:277-85, Apr 71
Adhesives and closure of wounds. Matsumoto T, et al.
Br Med J 4:245, 24 Oct 70
Differences in healing of metaphyseal and diaphyseal fractures. Jarry L, et al. Can J Surg 14:127-35, Mar 71
Simple standardized method for studying the tensile strength of healing incisions in animals. Nagy E, et al.
Can J Surg 14:136-41, Mar 71
The electrical control system regulating fracture healing in amphibians. Becker RO, et al.
Clin Orthop 73:169-98, Nov-Dec 70
Fatigue fractures of the tibia. Friedenberg ZB.
Clin Orthop 76:111-5, May 71
Growth hormone in delayed fracture union. Misol S, et al. Clin Orthop 74:206-8, Jan 71
Fracture healing and the allograft reaction. Sherk HH, et al. Clin Orthop 76:94-9, May 71
Changes in antigenicity of basement membrane during wound healing. Johnson LD, et al.
Dev Biol 23:534-49, Dec 70
Sulfamyion, an adjunct in the treatment of indolent wounds: a preliminary report. Ganchrow MI, et al.
Dis Colon Rectum 14:24-8, Jan-Feb 71
Dense material associated with wound closure in the axoloti egg (A. mexicanum). Luckenbill LM.
Exp Cell Res 66:263-7, May 71
Combined surgical and radiation injury. V. The effect of bone marrow transplantation. Donati RM, et al.
Experientia 27:246-7, 15 Mar 71
Differential healing periods of the acetic acid ulcer model in rats and cats. Okabe S, et al.
Experientia 27:146-8, 15 Feb 71
Biochemical and histochemical observations on isocitrate dehydrogenase activity in early wound healing. Raekallio J, et al.
Experientia 26:1301-2, 15 Dec 70
Histology of healing of skin changes in hypervitaminosis A in chickens. Holman J, et al.
Int Z Vitaminforsch 40:483-8, 1970
Roentgenologic findings in non-union of long bone fractures. An experimental study. Green N, et al.
Invest Radiol 6:217-20, May-Jun 71
Morphologic changes in the fetal rabbit kidney after intrauterine ureteral ligation. Thomasson BH, et al.
Invest Urol 8:261-72, Nov 70
Effect of reduced air pressure on fracture healing. A biochemical study on rats in vivo. Penttinen R, et al.
Isr J Med Sci 7:444-6, Mar 71
Cementogenic rpair of root fractures. Michanowicz AE, et al. J Am Dent Assoc 82:569-79, Mar 71
Healing of articular cartilage in the horse. Riddle WE Jr. J Am Vet Med Assoc 157:1471-9, 1 Dec 70
Repair of the joint surface from subarticular tissue in the rabbit knee. Meachim G, et al.
J Anat 109:317-27, Jul 71
Test systems for evaluation of cyanoacrylate tissue adhesives. Katz AR, et al.
J Biomed Mater Res 4:487-501, Dec 70
Gunshot fractures in civilian practice. An evaluation of the results of limited surgical treatment. Howland WS Jr, et al. J Bone Joint Surg [Am] 53:47-55, Jan 71
Repair and reconstruction of the anterior cruciate ligament in dogs. Factors influencing long-term results. O'Donoghue DH, et al.
J Bone Joint Surg [Am] 53:710-8, Jun 71
Primary bone healing. An experimental study in the rabbit. Rahn BA, et al.
J Bone Joint Surg [Am] 53:783-6, Jun 71
The effect of frozen irradiated bone homografts on the healing of defects in the mandible and femur of the rat. Cleaton-Jones PE, et al.
J Bone Joint Surg [Br] 53:532-40, Aug 71
Cartilage repair. Cruess RL.
J Bone Joint Surg [Br] 53:365, Aug 71
The healing of fractures of the lower end of the radius. A histological and angiographic study. Sevitt S.
J Bone Joint Surg [Br] 53:519-31, Aug 71
Effects of inflammation on wound repair. Burke JF.
J Dent Res 50:296-305, Mar-Apr 71
Ross R: Wound healing: recent progress--future directions. J Dent Res 50:312-7, Mar-Apr 71
Juvenile hormone and wound modelling of Tenebrio cuticle architecture. Caveney S.
J Insect Physiol 16:1087-107, Jun 70
Experimental wound repair in the black abalone, Haliotis cracherodii. Armstrong DA, et al.
J Invertebr Pathol 17:216-27, Mar 71
Wound, adjacent skin and control skin radioactivity after injection of 1,2-3H-cortisol and 1,2-3H-testosterone. Smith QT.
J Invest Dermatol 56:419-24, Jun 71
Mechanism of repair of lenticular wounds in Rana pipiens. I. Role of cell migration. Rafferty NS.
J Morphol 133:409-16, Apr 71
Radical operation for carcinoma of the vulva. A new approach to wound healing. Cavanagh D, et al.
J Obstet Gynaecol Br Commonw 77:1037-40, Nov 70
Microangiographic studies of experimental mandibular fractures in rabbits. Aurlick N, et al.
J Oral Surg 29:180-6, Mar 71
Revascularization and bone healing after posterior maxillary osteotomy. Bell WH, et al.
J Oral Surg 29:313-20, May 71
Fibrinolytic activity in human dental sockets after extractions. Megquier RJ. J Oral Surg 29:321-8, May 71
Modified healing in experimental mandibular fractures. Upton LG, et al.
J Oral Surg 29:416-21, Jun 71
Changes in the ground-substance of healing wounds. Jacques J, et al. J Pathol 99:337-40, Dec 69
Histological and ultrastructural studies of the late phases of wound healing. Williams G.
J Pathol 101:Pix, Aug 70
The late phases of wound healing: histological and ultrastructural studies of collagen and elastic-tissue formation. Williams G. J Pathol 102:61-8, Oct 70
The pleural reaction to injury: a histological and electron-optical study with special reference to elastic-tissue formation. Williams G.
J Pathol 100:1-7, Jan 70
Quantitative longitudinal study of alveolar bone tissue in man. Bergström J, et al.
J Periodont Res 5:237-47, 1970
An electron microscopic study of the regeneration of gingival epithelium following gingivectomy in the dog. Innes PB. J Periodont Res 5:196-204, 1970
Observations on vascular proliferation in a granulation tissue. Lindhe J, et al. J Periodont Res 5:276-92, 1970
Microscopic evaluation of the healing and revascularization of free gingival grafts. Oliver RC, et al. J Periodont Res 3:84-95, 1968
The evaluation of an anesthetic mouthrinse on four hundred periodontal surgery patients. Batten JR, et al. J Periodontol 41:654-6, Nov 70
Healing under full and partial thickness mucogingival flap in the miniature swine. Bhaskar SN, et al.
J Periodontol 41:675-82, Dec 70
Visualization of microvascularization of the healing periodontal wound. V. Periosteum retention technique of mucgingival surgery. Novaes AB, et al.
J Periodontol 41:685-95, Dec 70
Healing of reentry wounds with periosteal preservation. Roberson PD, et al.
J Periodontol 42:225-32, Apr 71
Histogenesis of repair following osseous surgery. Wilderman MN, et al. J Periodontol 41:551-65, Oct 70
An implanted chamber and catheter for the collection of tissue (wound) fluid from sheep. Greenwood B.
J Physiol (Lond) 210:118P-9, Sep 70
Residual ridge remodeling after tooth extraction in monkeys. Pietrokovski J, et al.
J Prosthet Dent 26:119-29, Aug 71
Care of the perineal wound after excision of the rectum. Schofeld PF.
J R Coll Surg Edinb 15:287-9, Sep 70
Studies of the effects of Diapulse treatment of various aspects of wound healing in experimental animals. Constable JD, et al. J Surg Res 11:254-7, May 71
The effect of the germfree state on wound healing. Donati RM, et al. J Surg Res 11:163-72, Apr 71
Energy metabolism in healing skin wounds. Im MJ, et al.
J Surg Res 10:459-64, Oct 70
Collagen metabolism in granulating wounds. Stein HD, et al. J Surg Res 11:277-83, Jun 71
Trauma workshop report: cell biology of injury and wound healing. Bendit EP, et al.
J Trauma 10:1062-4, Nov 70
Changes in endocrine gland during fracture repair and effect of their ablation. Chatterjee S, et al.
J Trauma 10:890-900, Oct 70
Current challenges for wound healing research. Hunt TK. J Trauma 10:1001-9, Nov 70
Polyglycolic acid (PGA) sutures. Lichtenstein IL.
JAMA 214:760, 26 Oct 70
Zinc and healing. Myers MB, et al.
Lancet 2:1253-4, 12 Dec 70
Healing of stapedial fractures in humans. Waltner JG, et al. Laryngoscope 81:962-70, Jun 71
Oral changes following tooth extraction in normal and alloxan diabetic rats. I. Macroscopic observations.
McMillan MD. NZ Dent J 66:239-47, Jul 70
Periapical and intracranial healing following incomplete root canal fillings in dogs. Davis MS, et al.
Oral Surg 31:662-75, May 71
A subjective evaluation of the re-establishment of the neurovascular supply of teeth involved in anterior maxillary osteotomy procedures. Leibold DG, et al.
Oral Surg 32:531-4, Oct 71
Studies of tendon healing in the rat. Remodeling of the distal stump after severance. Greenlee TK Jr, et al.
Plast Reconstr Surg 48:260-70, Sep 71
The burn eschar. A histopathological study. Vistnes LM, et al. Plast Reconstr Surg 48:56-60, Jul 71
Early healing stages of dental pulp injuries in the light of morphological and histochemical investigations. Barańska-Gachowska M. Pol Med J 8:995-1003, 1969
Remote results of healing-in of vascular prostheses produced from Polish polyester. Noszczyk W, et al.
Pol Med J 9:1435-40, 1970
A new model system for the study of wound healing. Shetlar MR, et al.
Proc Soc Exp Biol Med 136:684-7, Feb 71
Changes in the RNA of cellular nuclei during wound tissue regeneration. Williamson MB, et al.
Proc Soc Exp Biol Med 136:1336-9, Apr 71
Significance of collagenases from healing mammalian wounds. McLennan JE, et al.
Rev Surg 28:140-1, Mar-Apr 71
Healing of esophageal anastomoses. Middleton CJ, et al.
Rev Surg 27:377-8, Sep-Oct 70
Granulation tissue formation in subcutaneously implanted cellulose sponges in young and old rats. Holm-Pedersen P, et al.
Scand J Plast Reconstr Surg 5:13-6, 1971
Strength development of skin incisions in young and old rats. Holm-Pedersen P, et al.
Scand J Plast Reconstr Surg 5:7-12, 1971
Correlation of protein depletion with colonic anastomotic strength in rats. Daly JM, et al.
Surg Forum 21:77-8, 1970
Histochemical studies of tendon healing. Harper GE, et al. Surg Forum 21:460-2, 1970

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Simultaneous quantification of 3H collagen loss and 1H collagen replacement during healing of rat tendon grafts. Lewis JA, et al. Surg Forum 21:458-9, 1970

Rapid metabolic turnover of wound collagen. Madden JW. Surg Forum 21:64-5, 1970

Postoperative positive nitrogen balance: effects on wound and plasma protein synthesis. Moss G, et al. Surg Forum 21:71-3, 1970

The use of lathyrism to study secondary wound healing. Leonard JR, et al. Surg Gynecol Obstet 133:247-9, Aug 71

Rate of revascularization in primary and disrupted wounds. Myers MB, et al. Surg Gynecol Obstet 132:1005-8, Jun 71

The effect of iron deficiency anemia on wound healing. Macon WL, et al. Surgery 69:792-6, May 71

Healing of inverted and everted intestinal anastomoses in germfree rats. Yale CE, et al. Surgery 69:382-8, Mar 71

An experimental study of corneal wound healing, with the use of more modern suture materials. A preliminary report. Condon PI. Trans Ophthalmol Soc UK 90:971-2, 1970

The influence of urinary bilharziasis on vesico-vaginal fistula in relation to causation and healing. Bland KG, et al. Trans R Soc Trop Med Hyg 64:588-92, 1970

Effect of Pseudomonas aeruginosa and Staphylococcus pyogenes on the rate of wound healing in mice. Segree WA, et al. West Indian Med J 19:65-70, Jun 70

The influence of certain factors on the healing time of leg ulcers in ambulant patients. Haeger K. Zentralbl Phlebol 10:28-40, 1971

[Healing of fractures in diabetics] Zachová E, et al. Acta Chir Orthop Traumatol Cech 37:340-2, Dec 70 (Cze)

[Problem of wound healing after inguinal exenteration in cases of carcinoma of the vulva] Belohorský B, et al. Cesk Gynekol 36:235-7, May 71 (Cze)

[Histology of dental pulp and healing of pulp injuries] Svejda J. Cesk Stomatol 71:236-44, Jul 71 (Cze)

[Healing of experimental peptic ulcer in dogs] Vojtíšek V, et al. Rozhl Chir 50:269-76, May 71 (Cze)

[Methods of evaluation of fracture consolidation] Burny F. Acta Chir Belg 69:658-81, Nov 70 (Fre)

[Local mechanisms of fracture healing] Lacroix P. Acta Chir Belg 69:640-8, Nov 70 (Fre)

[Study of consolidation of fractures by deformation gauges in clinical medicine] Burny F. Acta Orthop Belg 34:917-27, 1968 (Fre)

[Vascular factors in perifractural osteogenesis] Zucman J, et al. Acta Orthop Belg 34:893-5, 1968 (Fre)

[Autoradiographic study of post-traumatic epidermal regeneration by uptake of tritiated thymidine in vivo and in vitro] Beuve-Méry M, et al. Ann Dermatol Syphiligr (Paris) 97:517-21, 1970 (Fre)

[Torpid skin wounds and collagen metabolism disorder] Lapiere CM, et al. Arch Belg Dermatol Syphiligr 25:353-6, 1969 (Fre)

[Histochemical and ultrastructural study of healing of restraint ulcer in rats] Lehy T, et al. Biol Gastroenterol (Paris) 2:107-24, 1970 (Fre)

[Comparative histology of callus formation in dental and in bone fractures] Bouyssou M, et al. Bull Group Int Rech Sci Stomatol 13:317-68, Jul-Oct 70 (114 ref.) (Fre)

[Blood sialoglycoproteins in a stress syndrome and during tissue growth] Jayle MF, et al. Expos Annu Biochim Med 30:148-72, 1970 (92 ref.) (Fre)

[Recent acquisitions on the bone callus (biology and clinical aspects)] Rev Chir Orthop 57:Suppl 1:307+, 1971 (Fre)

[Periodontal cicatrization] Fiore-Donno G. Rev Fr Odontostomatol 18:431-4, Apr 71 (Fre)

[Local treatment of burns in children (apropos of 119 thermal burns treated with cytotrophic antibodies: embryoglobin)] Lehoux J, et al. Therapie 26:371-7, Mar-Apr 71 (Fre)

[Structure of compact bone and rigid internal fixation: experimental study] Uhthoff HK, et al. Union Med Can 99:1813-6, Oct 70 (Fre)

[Infected fractures of the upper and lower leg and their healing inside the orthopedic apparatus] Zenker H. Arch Orthop Unfallchir 69:169-81, 1970 (Ger)

[Experimental experiences with the severing of the Achilles tendon] Bertolini R, et al. Beitr Orthop Traumatol 17:59-60, Jan 70 (Ger)

[Factor XIII determination after orthopedic surgery] Sturm G, et al. Beitr Orthop Traumatol 17:485-8, 1970 (Ger)

[Histological findings in adhesion of corneal wounds in animal experiments] Freund J, et al. Ber Dtsch Ophthalmol Ges 70:320-5, 1970 (Ger)

[Cyanoacrylate adhesion of perforating corneal wounds. I] Müller-Jensen K, et al. Ber Dtsch Ophthalmol Ges 70:317-20, 1970 (Ger)

[Function of local fibroblasts in the process of wound healing] Bartoš F. Biologia (Bratisl) 25:893-7, 1970 (Ger)

[Observation of the healing of femoral fractures using thermography, thermometry and rheography] Gresser A. Bruns Beitr Klin Chir 218:543-54, Mar 71 (Ger)

[Healing in experimental osteotomy under an A.O. coapting plate on the femur of dogs] Weber HG, et al. Bull Soc Int Chir 30:31-6, Jan-Feb 71 (Ger)

[Wound healing disorders and septic surgery. 1. Wound healing disorders] Dittrich H. Chirurg 42:289-95, Jul 71 (Ger)

[Use of tissue adhesives in gastrointestinal operations] Egry G, et al. Chirurg 42:22-7, Jan 71 (Ger)

[Conservative and operative treatment of forearm fractures] Elmendorff HF von, et al. Chirurg 42:270-4, Jun 71 (Ger)

[Fissure development in tendinous bone. A contribution to the callus destruction caused by mechanical strain] Hoppe HJ. Chirurg 42:282-3, Jun 71 (Ger)

[Primary and secondary healing of bone fractures] Willenegger H, et al. Chirurg 42:241-52, Jun 71 (42 ref.) (Ger)

[Effect of bacteria on blood clotting--a new testing method] Schulte W, et al. Dtsch Zahnaerztl Z 25:1041-4, Nov 70 (Ger)

[Antifibrinolytic effect of apernyi] Schulte W. Dtsch Zahnaerztl Z 26:863-70, Sep 71 (Ger)

[Interferences between the kind of injuries and wound healing in post-traumatic hand infections] Bilow H, et al. Hefte Unfallheilkd 107:249-51, 1970 (Ger)

[Bone cement and fracture healing. (Studies on the dog corticalis)] Dürr W. Hefte Unfallheilkd 107:255-7, 1970 (Ger)

[Wound infection] Hegemann G. Hefte Unfallheilkd 102:16-25, 1970 (Ger)

[Immunologic studies following splenectomy and their importance on wound healing and expert testimony] Lennert KA. Hefte Unfallheilkd 107:101-4, 1970 (Ger)

[Histochemical studies of energy and pentosephosphate metabolism during epithelial wound healing] Schroll R, et al. Histochemie 26:349-61, 1971 (Ger)

[Safety measures and wound healing in perforating keratoplasties] Hruby K, et al. Klin Monatsbl Augenheilkd 158:297-8, Feb 71 (Ger)

[Studies on the inhibiting and activating effects of laser beams] Mester E, et al. Langenbecks Arch Chir 322:1022-7, 1968 (Ger)

[Clinical experience in the treatment of surgical and internal diseases with antibiotics of sulfonamides] Schleiter H. Monatsh Vet Med 25:792-6, 15 Oct 70 (Ger)

[Is the healing of malacia of the semilunar bone possible?] Andreesen R. Monatsschr Unfallheilkd 73:493-502, Nov 70 (Ger)

[Experimental studies on the blocking effect of the intact fibula in delayed healing of tibial fractures] Stanković P, et al. Monatsschr Unfallheilkd 74:272-6, Jun 71 (Ger)

[Wound healing disturbances after splenectomy] Lennert KA, et al. Munch Med Wochenschr 112:146-8, 23 Jan 70 (Ger)

[Tissue reactions to suture materials in artificial tongue lesions] Kovács Z, et al. Stoma (Heidelb) 23:207-11, Nov 70 (Ger)

[Morphology of a free graft loop of heparinized small intestine used as esophagus substitute in dogs] Králík J, et al. Thoraxchirurgie 19:84-90, Apr 71 (Ger)

[Studies on healing firmness using various synthetic materials with heart value prosthesis] Seidel W, et al. Thoraxchirurgie 17:288-96, Aug 69 (Ger)

[Light microscopic and autoradiographic studies on the cellular reaction of the liver after catgut implantation] Helpap B, et al. Verh Dtsch Ges Pathol 54:268-71, 1970 (Ger)

[Cell proliferation after traumatic injuries of the liver] Helpap B, et al. Virchows Arch [Zellpathol] 6:365-6, 1970 (Ger)

[Wound healing in the aged] Jorns G. Z Alternsforsch 23:105-21, 1970 (Ger)

[Elastic quick dressing after laparotomies in rabbits] Wenzel KP. Z Versuchstierkd 12:225-7, 1970 (Ger)

[Comparative clinical study on wound resorption] Sedlařík K. Zentralbl Chir 95:601-6, 16 May 70 (Ger)

[Nonfocal surgical treatment of pseudarthrosis and delayed consolidation of the tibia] Ranieri L. Chir Organi Mov 58:412-26, 1970 (Ita)

[Effect of low potential continuous electric currents on bone fractures in dogs: clinical, radiological and anatomo-histopathological findings. Experimental study. Preliminary note] Sollazzo M, et al. Chir Organi Mov 58:109-20, 1969 (Ita)

[Roentgenological and histologic studies on healing of extraction wounds] Mogi K. J Jap Stomatol Soc 38:33-57, Mar 71 (Jap)

[Wound healing of the disc of the temporomandibular joint] Takaku S. J Jap Stomatol Soc 37:242, Sep 70 (Jap)

[Case of single fracture of the cuneiform bone of the wrist with delayed healing] Funayama Y. Orthop Surg (Tokyo) 21:1041-3, Nov 70 (Jap)

[Wound healing accelerated by the creation of an arteriovenous fistula: report of 3 cases] Matsubayashi S. Orthop Surg (Tokyo) 22:104-9, Feb 71 (Jap)

[Therapeutic experiences in delayed fracture healing and pseudoarthrosis of the long bone, with special reference to metal materials for fixation] Yokoyama S, et al. Orthop Surg (Tokyo) 22:558-66, Jul 71 (Jap)

[Observation on the postoperative healing process of maxillary sinusitis within the sinus cavity after the maxillary osteoplastic operation by the Ogino and Caldwell-Luc method] Matsuyama T, et al. Otolaryngology (Tokyo) 43:133-7, Feb 71 (Jap)

[Outline on the current studies on healing process in tooth extraction wounds] Ikeda T. Shikwa Gakuho 70:1270-81, Oct 70 (59 ref.) (Jap)

[Histopathological and histochemical studies on the healing process of tooth-extraction wounds in man] Ikeda T. Shikwa Gakuho 71:1051-72, Mar 71 (Jap)

[Experimental studies on circulation during healing of fractures of long bones] Kaczmarek M. Chir Narzadow Ruchu Ortop Pol 35:701-6, 1970 (Pol)

[Behavior of factor XIII in (FSF) in patients with impaired healing of wounds] Kondrat W, et al. Pol Przegl Chir 43:681-4, May 71 (Pol)

[Comparative studies of healing when using corrugated and smooth arterial prostheses] Lucer C, et al. Pol Przegl Chir 43:693-700, May 71 (Pol)

[Role of lysosomes and collagen in wound healing] Krynicki M, et al. Wiad Lek 24:333-6, 15 Feb 71 (7 ref.) (Pol)

[Mucopolysaccharides and proteins of forming bone matrix (experimental histochemical study)] Modiaev VP. Arkh Patol 32:63-7, 1970 (Rus)

[Phagocytic function of the epithelium of the seminiferous ducts of white rats in reparative regeneration] Bobkov AG. Biull Eksp Biol Med 68:94-8, Oct 69 (Rus)

[The completeness of cutaneous restoration during post-traumatic regeneration in warmblooded animals] Braun AA, et al. Biull Eksp Biol Med 71:82-6, Mar 71 (Rus)

[Skin wound healing in birds] Efimov EA. Biull Eksp Biol Med 68:102-5, Aug 69 (Rus)

[Characteristics of healing of head skin wounds in mice] Efimov EA. Biull Eksp Biol Med 70:103-6, Nov 70 (Rus)

[A comparative study of the healing of full layer wounds in newborn and mature rats] Efimov EA. Biull Eksp Biol Med 65:75-7, 1968 (Rus)

[Degree of restoration during skin regeneration in birds] Efimov EA. Biull Eksp Biol Med 72:102-5, Jul 71 (Rus)

[Effect of ultrasound on callus formation in rabbits] Luchkov VI, et al. Eksp Khir Anesteziol 15:44-6, Nov-Dec 70 (Rus)

[Healing of skin wounds sutured with silk sterilized with antibiotics] Oriov VI, et al. Eksp Khir Anesteziol 15:36-40, Jul-Aug 70 (Rus)

[Healing of surgical wounds in the population of the Northern Pechora during the period of acclimatization] Baiaian RA. Khirurgiia (Mosk) 22:114-6, Apr 69 (Rus)

[Wound healing in diabetes mellitus] Kuleshov EV. Khirurgiia (Mosk) 46:94-100, Oct 70 (Rus)

[Hyperbaric oxygen therapy of slow-to-heal wounds] Poliiak NA, et al. Khirurgiia (Mosk) 47:44-7, Jan 71 (Rus)

[Problem of allergic reactivity in surgery] Ado AD, et al. Klin Khir 10:1-8, Oct 69 (52 ref.) (Rus)

[Vascularization of the callus in primary healing of diaphyseal fractures] Dubrov IaG, et al. Ortop Travmatol Protez 32:16-20, Feb 71 (Rus)

[Process of fracture consolidation in females during pregnancy and lactation] Kozhagarov AA. Ortop Travmatol Protez 32:24-8, Jan 71 (Rus)

[Healing of fractures of the long tubular bones after interposition of soft tissues] Mukhulis AK, et al. Ortop Travmatol Protez 32:20-5, Feb 71 (Rus)

[Metric x-ray investigation of the process of healing human cysts. Planimetric examination of the healing process in the bone following removal of a jaw cyst] Rong K, et al. Stomatologiia (Mosk) 50:82-3, May-Jun 71 (Rus)

[Wound healing under natural biotron conditions] Apostoliuk VV. Vestn Khir 105:10-2, Nov 70 (Rus)

[Repeated thoracotomy in primary insufficiency of the bronchial stump and pulmonary suture after partial resection for tuberculosis] Bogach GF. Vestn Khir 103:9-13, Nov 69 (Rus)

[Some cytological characteristics of the exudate of wounds, burns, and ulcerous surfaces following contact with freshly deoxidized aluminum foil of a high degree of purity] Evenshtein ZM. Vestn Khir 106:123-4, Mar 71 (Rus)

[Effect of muscle excision on regenerative processes in bone fractures] Minina VV. Vestn Khir 105:79-81, Aug 70 (Rus)

[Effect of homotransplantation of bone marrow on the healing of liver wounds in severe combined radiation trauma] Ogiiĭ PE, et al. Vestn Khir 103:37-41, Aug 69 (Rus)

[Effect of surgical treatment on the healing of an experimental infected wound of the cornea in radiation sickness] Parameĭ VT. Vestn Oftalmol 1:68-70, Jan-Feb 70 (Rus)

[Trans-plaster cast tomographic control of the fracture consolidation process after metallo-osteosynthesis] Guliaev VA, et al. Voen Med Zh 8:78-9, Aug 70 (Rus)

[Changes in the leptomeninges in hemorrhagic strokes treated surgically] Viktorova ND. Vopr Neirokhir 35:37-9, Mar-Apr 71 (Rus)

[Healing of wounds after laryngectomy in patients with

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

laryngeal cancer] Gamburg IuL, et al.
Zh Ushn Nos Gorl Bolezn 31:34-9, May-Jun 71 (Rus)
[Sparing methods of draining of wounds in otorhinolaryngological operations] Gladkov AA.
Zh Ushn Nos Gorl Bolezn 29:103, Jul-Aug 69 (Rus)
[Experimental periodontal cicatrization] Caffesse RG.
Rev Asoc Odontol Argent 58:5-10, Jan-Mar 70 (Spa)
[Principles of hyperbaric oxygen therapy] Barr PO, et al.
Nord Med 84:1378, 22 Oct 70 (Swe)
[Healing in second degree burns. An electron microscopy study] Eriksson G.
Nord Med 86:909, 29 Jul 71 (Swe)
[Experimental studies of healing capacity in different ages] Zederfeldt B, et al.
Nord Med 84:1349, 15 Oct 70 (Swe)
[Hemolytic and toxic activity of some vital products in microflora of trephination wounds] Strokatova NA, et al. Mikrobiol Zh 33:93-6, 1971 (Ukr)
[Healing of surgical wounds following gynecologic operations] Podhorová M, et al.
Bratisl Lek Listy 56:73-7, 1971 (Slo)

DRUG EFFECTS

Vascular reactions in the healing laparotomy wound under cytostatic treatment. Karppinen V, et al.
Acta Chir Scand 136:675-80, 1970
Decreased granulation tissue reaction after installment of hyaluronic acid. Rydell N.
Acta Orthop Scand 41:307-11, 1970
Heparin efficacy in burns. II. Human thermal burn treatment with large doses of topical and parenteral heparin. Saliba MJ Jr. Aerosp Med 41:1302-6, Nov 70
Effect of supplemental zinc on wound healing in rats. Quarantillo EP Jr. Am J Surg 121:661-4, Jun 71
Lack of acceleration of healing with zinc sulfate. Barcia PJ. Ann Surg 172:1046-50, Dec 70
Effect of delayed administration of corticosteroids on wound contraction. Stephens FO, et al.
Ann Surg 173:214-8, Feb 71
Prevention of tracheal graft stenosis with steroids. Miglets AW Jr. Arch Otolaryngol 93:492-5, May 71
Inhibition of wound healing by chloramphenicol. Caulfield JB, et al. Arch Pathol 92:119-25, Aug 71
Combined surgical and radiation injury. IV. Effect of antimicrobials on the wound healing pattern of the x-irradiated rat. Donati RM.
Arch Surg 102:132-5, Feb 71
Penicillin G and wound healing. Pohl R, et al.
Arch Surg 101:610-1, Nov 70
Pharmacological investigations of 2-amino-3-ethoxy-carbonyl-6-benzyl-4,5,6,7-tetrahydrothieno[2,3-c]pyridine. Nakanishi M, et al.
Arzneim Forsch 20:998-1003, Aug 70
Healing of colonic anastomoses in the rat following irrigation with mercury perchloride and cetrimide solution. Hale JE. Br J Surg 58:304, Apr 71
The role of protamine zinc insulin in accelerating wound healing in the rat. Udupa KN, et al.
Br J Surg 58:673-5, Sep 71
Studies on the epithelial regeneration in vitro. Prasad GC. Indian J Exp Biol 9:28-31, Jan 71
The effect of phosphate on fracture healing in rabbits. Nollen A, et al. Isr J Med Sci 7:508-9, Mar 71
Pharmacological effect of nandrolone phenylpropionate on the healing of dental extraction wounds: a histological investigation in rats. Santos-Pinto R dos, et al.
J Nihon Univ Sch Dent 12:57-61, Jun 70
Studies on the influence of estradiol and progesterone on granulation tissue. Nyman S.
J Periodont Res Suppl 7:1-34, 1971
The effect of orally administered zinc sulfate (ZNSO4) on healing incised wounds. Kim ZW, et al.
J Surg Res 10:597-9, Dec 70
Acceleration of wound healing induced by enriched collagen solutions. Preliminary report. Shoshan S, et al. J Surg Res 10:485-91, Oct 70
Oxytetracycline-induced disturbance of fracture healing. Gudmundson C. J Trauma 11:511-7, Jun 71
The action of fluocinolone acetonide upon scar tissue formation. Weaver RG, et al. J Urol 104:591-5, Oct 70
Zinc and healing. Auckland G. Lancet 2:1032, 14 Nov 70
Zinc and healing. Husain SL, et al.
Lancet 2:1361-2, 26 Dec 70
Healing of experimental rat tongue ulcers using isobutyl-2-cyanoacrylate. Giunta J, et al.
Oral Surg 31:140-8, Jan 71
Evaluation of three techniques for the management of postextraction third molar sockets. Khosla VM, et al.
Oral Surg 31:189-98, Feb 71
The effec of an anabolic steroid on the healing of experimental extraction wounds. Tennenbaum R, et al. Oral Surg 30:824-34, Dec 70
Effects of triamcinolone on tendon healing and function. A laboratory study. Ketchum LD.
Plast Reconstr Surg 47:471-82, May 71
Effects of beta-carotene, vitamin A, and glucocorticoids on collagen synthesis in wounds. Ehrlich HP, et al.
Proc Soc Exp Biol Med 137:936-8, Jul 71
Influence of topical application of chlorhexidine on chronic gingivitis and gingival wound healing in the dog. Lindhe J, et al. Scand J Dent Res 78:471-8, 1970
Bone-healing after topical application of Apernyl. A histopathologic study in guinea pigs. Nordenram A, et al. Scand J Dent Res 78:544-6, 1970
After-treatment of burns-grafted and spontaneously healed--in particular a trial of aliderm leo ointment. Johansen AM, et al.
Scand J Plast Reconstr Surg 4:41-4, 1970
Physical and biochemical effects of simultaneous administration of multiple lathyrogenic agents. Haney A, et al. Surg Forum 21:60-1, 1970
Influence of heparin on collagen synthesis and wound healing. Ludewig RM, et al. Surg Forum 21:58-9, 1970
Influence of penicillin on wound healing, cecal wall, and copper metabolism. Morris J, et al.
Surg Forum 21:62-3, 1970
The effect of immunosuppression on wound healing. Arumugam S, et al.
Surg Gynecol Obstet 133:72-4, Jul 71
[Study of a physiologic regulator of cicatrization (N acetyl-hydroxyproline). Apropos of 15 clincal cases] Depaulis J. Bord Med 4:541-2 passim, Feb 71 (Fre)
[Clinical study of a new compound allowing the prevention and treatment of disorders of skin and bone repair in stomatology: Plastenan] Benoit JP.
Rev Odontostomatol Midi Fr 28:143 9, 1970 (Fre)
[Collagen metabolism of the skin and its hormonal influence] Struck H.
Acta Endocrinol [Suppl] (Kbh) 152:18, 1971 (Ger)
[On the influence of hormones, particularly glucocorticoids, on the physical and chemical properties of normal and traumatized skin] Vogel HG.
Acta Endocrinol [Suppl] (Kbh) 152:19, 1971 (Ger)
[Experimental study of a fibrin containing wound powder] Kovács AB, et al.
Acta Vet Acad Sci Hung 20:195-206, 1970 (Ger)
[Woundhealing following tooth extraction. II. Studies on the influence of resorbable implantation material on healing of extraction wounds] Schüle H.
Dtsch Zahnaerztl Z 26:777-84, Aug 71 (Ger)
[Corticoids and wound granulation from experimental and clinical point of view] Hernández-Richter HJ.
Hefte Unfallheilkd 99:132-5, 1969 (Ger)
[Inhibitory effect of drugs on granulation tissue] Kindler H. Hefte Unfallheilkd 99:130-2, 1969 (Ger)
[Wound healing disorders and osteomyelitis in bone fractures with and without oral anticoagulants] Konold P, et al.
Monatsschr Unfallheilkd 74:277-81, Jun 71 (Ger)
[Results of oral enzyme therapy in wounds of muscles, tendons and bones after accidents] Schwinger O.
Wien Med Wochenschr 120:603-5, 5 Sep 70 (Ger)
[The control of wound infection in child surgery] Wurnig P.
Wien Med Wochenschr 120:171-4, 7 Mar 70 (Ger)
[Experience with the treatment of childhood burns with silver nitrate solution] Baksa J, et al.
Orv Hetil 112:189-203, 24 Jan 71 (Hun)
[Histological and histochemical control of the cicatrization process in the gingival fibromucosa sutured with a chemical adhesive (butyl-2-cyanoacrylate)] Benagiano E, et al.
Ann Stomatol (Roma) 19:737-42, Oct 70 (Ita)
[Influence of various fatty excipients on the healing processes of experimental burns in mice] Frati C, et al. G Ital Dermatol 46:26-30, Jan 71 (Ita)
[The action of the epidermal growth factor (EGF) on mouse skin in normal and pathological conditions] Frati C. G Ital Dermatol 46:205-9, May 71 (Ita)
[Influence of chondroitin sulfate on the process of cicatrization of experimentally produced cutaneous injuries] Baggi G, et al.
Minerva Chir 25:181-4, 15 Feb 70 (Ita)
[Zinc therapy in wound healing] Vaaje K.
Tidsskr Nor Laegeforen 91:1162, 30 May 71 (Nor)
[Use of anabolic agents in heart surgery] Gomes JM, et al. Hospital (Rio de J) 78:1101-7, Oct 70 (Por)
[Increase of body resistance to infection and a stimulation of regenerative process under the combined effect of prodigiozan and methyluracil] Braude AI, et al. Antibiotiki 16:339-44, 1971 (Rus)
[Some methods of accelerating the healing of fractures in rabbits subjected to chronic gamma-irradiation by Co60] Khaitov RM.
Eksp Khir Anesteziol 15:48-9, Nov-Dec 70 (Rus)
[Effect of non-steroid anti-inflammatory agents on proliferative processes in the inflammation focus] Mokhort NA.
Farmakol Toksikol 34:297-300, May-Jun 71 (Rus)
[Effect of glucocorticoids on the healing of clean wounds (review of the literature)] Narycheva OA.
Khirurgiia (Mosk) 46:128-32, Oct 70 (58 ref.) (Rus)
[Effect of pregnancy and the luteal hormone progesterone on healing of bone fractures in rabbits] Kozbagarov AA.
Ortop Travmatol Protez 31:50-4, Jul 70 (Rus)
[Features peculiar to cytological changes of the wound exudate during the useof proteolytic enzymes] Vasil'eva IG, et al.
Stomatologiia (Mosk) 50:29-31, May-Jun 71 (Rus)
[Basis for the use of methyluracil and pentoxyl in surgery] Rusakov VI.
Vestn Khir 106:9-13, Mar 71 (Rus)
[Experiments with skin tubes in animals] Holmström H, et al. Nord Med 84:1379, 22 Oct 70 (Swe)
[Intramuscular heparin treatment in medial collum fractures--a lesser frequency of caput necrosis] Ohman U, et al. Nord Med 85:415, 1 Apr 71 (Swe)
[Histamine antagonists and histamine] Sandberg N.
Nord Med 83:1408-9, 29 Oct 70 (Swe)

RADIATION EFFECTS

The influence of x-rays on the healing of fractures. Woodard HQ. Health Phys 19:791-9, Dec 70
[Experimental study on abdominal irradiation 3 days after anastamosis of the small intestine in rats] Brunet M, et al. J Chir (Paris) 100:429-30, Nov 70 (Fre)
[Experimental and clinical studies on the effects of x-rays in the cicatrization of the alveolar wound after extraction] Schüle H.
Rev Stomatol Chir Maxillofac 72:346-50, Mar 71 (Fre)
[Combined radiation injuries] Messerschmidt O.
Strahlenschutz Forsch Prax 11:78-90, 1971 (Ger)

WOUND INFECTION (C1, C14)

Necrotizing fasciitis. Rea WJ, et al.
Ann Surg 172:957-64, Dec 70
Bacteremia due to Serratia marcescens. Henjyoji EY, et al. J Trauma 11:417-21, May 71
The burns unit in Copenhagen. V. The role of infection 1961-1968. Material, method, and definitions. Thomsen M. Scand J Plast Reconstr Surg 4:45-52, 1970
[The bacterial cycle of the burn. Infection and superinfection] Vilain R.
Cah Anesthesiol 18:869-76, Nov 70 (Fre)
[Bacteriostasis and bacteriocycle: apropos of normal infection and superinfection of burn patients] Vilain R, et al. Chirurgie 96:849-55, 28 Oct 70 (Fre)
[A case of keratomycosis] Vedy J.
Med Trop (Mars) 31:345-7, May-Jun 71 (Fre)
[The infectious bacteriocycle of the burn: infection and superinfection] Vilain R.
Therapie 26:339-44, Mar-Apr 71 (Fre)
[Evaluation of hand infections] Probst J.
Hefte Unfallheilkd 107:236-40, 1970 (Ger)

COMPLICATIONS

Wound infection in undressed sutured wounds of the hand. Wood PB. Br J Surg 58:543-5, Jul 71
Infection in open fractures. Kelly PK.
Minn Med 54:199 passim, Mar 71
Pseudomonas osteomyelitis following puncture wounds of the foot. Minnefor AB, et al.
Pediatrics 47:598-601, Mar 71
The burns unit in Copenhagen. VII. Time of onset and duration of infection. Thomsen M.
Scand J Plast Reconstr Surg 4:61-6, 1970
The burns unit in Copenhagen. VI. Infection rates. Thomsen M. Scand J Plast Reconstr Surg 4:53-60, 1970
[Aspects of causes and treatment of ulcus cruris] Meer BJ van der.
Ned Tijdschr Geneeskd 115:1177-80, 10 Jul 71 (Dut)
[Infected fractures of the upper and lower leg and their healing inside the orthopedic apparatus] Zenker H.
Arch Orthop Unfallchir 69:169-81, 1970 (Ger)

DRUG THERAPY

Studies in the management of the contaminated wound. V. An assessment of the effectiveness of pHisoHex and Betadine surgical scrub solutions. Custer J, et al.
Am J Surg 121:572-5, May 71
Effect of cortisone and vitamin A on wound infection. Stephens FO, et al. Am J Surg 121:569-71, May 71
[Clinical experiences with a combination of Anabactyl and Varidase] Bonatz G, et al.
Hautarzt 22:213-5, May 71 (Ger)
[New antibiotics--properties, indications and basic factors of their use in pediatrics] Naumann P.
Monatsschr Kinderheilkd 119:111-6, Mar 71 (Ger)
[In vitro activity and therapeutic effect of the local antibiotic Brevicid] Ahrens CB, et al.
Pharmazie 26:100-7, Feb 71 (Ger)
[Chemoprophylaxis and therapy of wound infection, especially of burn wounds] Mittelbach HR.
Ther Ggw 109:1761-2 passim, Dec 70 (Ger)
[Infective aspects of burns] Cocchia N, et al.
G Ital Chemioter 16:397-402, Jan-Sep 69 (Ita)
[Burn infection and their treatment] Zar E.
G Ital Chemioter 16:360-2, Jan-Sep 69 (Ita)
[Experimental studies and clinical experience with aminodeoxykanamycin (Kanendomycin 'Meiji') in bone and joint infections, especially in open injuries and postoperative infections] Kondo S.
Jap J Antibiot 23:451-3, Dec 70 (Jap)
[Use of proteolytic enzymes, isolated or in combination with antibiotics, in orthopedics and in injuries] Costa RC. Rev Bras Med 26:696-9, Nov 69 (Por)
[Increase of body resistance to infection and a stimulation of regenerative process under the combined effect of prodigiozan and methyluracil] Braude AI, et al. Antibiotiki 16:339-44, 1971 (Rus)
[Results of experimental and clinical use of vulnuzan in wound treatment] Bachev S, et al.
Khirurgiia (Mosk) 47:67-70, Jan 71 (Rus)
[Antibiotic therapy of burn patients (review of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Soviet and foreign literature)] Bogoslovskiĭ GI. Klin Khir 11:79-84, Nov 70 (54 ref.) . (Rus)

ETIOLOGY

Opportunistic fungal infection of the burn wound with phycomycetes and Aspergillus. A clinical-pathologic review. Bruck HM, et al. Arch Surg 102:476-82, May 71
Wound sepsis and the use of central sterile supply department in a district general hospital. el-Bagoury SM. J Egypt Public Health Assoc 45:348-56, 1970
The evolution and spread of gentamicin-resistant Pseudomonads. Stone HH, et al.
J Trauma 11:586-9, Jul 71
Sepsis after appendicectomy. Lancet 2:195, 24 Jul 71
[Interferences between the kind of injuries and wound healing in post-traumatic hand infections] Bilow H, et al. Hefte Unfallheilkd 107:249-51, 1970 (Ger)
[Disastrous results in infected minor hand injuries] Rahmel R. Hefte Unfallheilkd 107:251-5, 1970 (Ger)
[Some problems of suppurative infection of gunshot wounds] Lytkin MI, et al.
Vestn Khir 105:3-10, Nov 70 (Rus)

MICROBIOLOGY

Influence of antibiotic treatment on the bacterial flora of severe burns. Wickman K.
Arzneim Forsch 21:322-5, Mar 71
Effects of inflammation on wound repair. Burke JF.
J Dent Res 50:296-303, Mar-Apr 71
Bacteria of the extraction wound. MacGregor AJ, et al.
J Oral Surg 28:885-7, Dec 70
Fungal burn wound infection. Nash G, et al.
JAMA 215:1664-6, 8 Mar 71
Bacterial quantification of open wounds. Robson MC, et al. Milit Med 134:19-24, Jan 69
Bacteroides infections in orthopedic conditions. Pearson HE, et al.
Surg Gynecol Obstet 132:876-80, May 71
Effect of Pseudomonas aeruginosa and Staphylococcus pyogenes on the rate of wound healing in mice. Segree WA, et al. West Indian Med J 19:65-70, Jun 70
[Misleading results of blood cultures in burns] Vilain R, et al. Ann Chir Plast 16:5-11, 1971 (Fre)
[Candida sepsis in extensive burns] Hochleitner H, et al. Wien Klin Wochenschr 82:152-4, 27 Feb 70 (Ger)
[Posttraumatic infection with a lactose splitting variant of Pasteurella multocida] Zinnecker HJ, et al. Wien Klin Wochenschr 82:359-62, 8 May 70 (Ger)
[Hemolytic and toxic activity of some vital products in microflora of trephination wounds] Strokatova NA, et al. Mikrobiol Zh 33:93-6, 1971 (Ukr)

OCCURRENCE

The effect of a changed environment on bacterial colonization rates in an established burns centre. Wormald PJ. J Hyg (Camb) 68:633-45, Dec 70

PHYSIOPATHOLOGY

[Study of the development of wound suppuration by autonomic methods] Nafda LB.
Eksp Khir Anesteziol 15:65-7, Sep-Oct 70 (Rus)
[Wound exhaustion and sepsis in gunshot wounds] Lisitsyn KM. Voen Med Zh 12:21-5, Dec 70 (Rus)

PREVENTION & CONTROL

Use of 0.5 per cent silver nitrate cream for burns. Bouterie RL, et al. Am J Surg 121:576-9, May 71
Studies in the management of the contaminated wound. 8. Assessment of tissue adhesives for repair of contaminated tissue. Edlich RF, et al.
Am J Surg 122:394-7, Sep 71
Vaccine prophylaxis for pseudomonas infections. Markley K. Ann Intern Med 74:140, Jan 71
Immunoprophylaxis of Pseudomonas aeruginosa. Young LS, et al. Ann Intern Med 74:1012-3, Jun 71
Immunological control of Pseudomonas infection in burn patients: a clinical evaluation. Alexander JW, et al. Arch Surg 102:31-5, Jan 71
Early protection by vaccines in burns. Jones RJ. Br J Exp Pathol 52:100-9, Feb 71
Intravenous regional antibiotic perfusion as prophylaxis against infection in injured hands. Joshi BB, et al. Indian J Med Sci 25:392-4, Jun 71
Burn wound dressings. II. Effect on wound sepsis. Dressler DP, et al. J Trauma 11:325-30, Apr 71
Bacteria on antibiotic tulle. Smith DC.
Lancet 2:46, 3 Jul 71
Topical antibiotics in war wounds: a re-evaluation. Heisterkamp C 3d, et al. Milit Med 134:13-8, Jan 69
The effect of antibiotics and pulsating water jet lavage on contaminated wounds. Gross A, et al.
Oral Surg 31:32-8, Jan 71
Parélan and Listerian slants on infection in wounds. (Paré A), (Lister J), Ferguson DJ.
Perspect Biol Med 14:63-8, Autumn 70
Topical therapy. Moncrief JA.
Surg Clin North Am 50:1301-9, Dec 70 (12 ref.)
Evaluation of local antibiotic instillation in extremity wounds. Seidenstein M, et al.
Surgery 68:809-12, Nov 70
[2 cases of aortic aneurysm ruptured into a septic area] Cormier JM. Chirurgie 96:749-55, 1970 (Fre)
[Current prophylactic and therapeutic approach to burn infections] Ambroggio G, et al.
Minerva Chir 25:807-11, 15 Jun 70 (Ita)
[Infection and its prevention in traumatic surgery] Sugimoto T, et al.
Surg Ther (Osaka) 24:561-6, May 71 (Jap)
[Prevention and therapy of staphylococcal complications in patients with thermal burns] Proskurov VA, et al. Klin Khir 9:63-4, Sep 69 (Rus)
[Open diaphyseal fractures of shin bones, their treatment and prevention of complications] Revenko TA, et al. Ortop Travmatol Protez 32:1-7, Feb 71 (Rus)

SURGERY

Management of intra-abdominal sepsis. Winegarner FG. Am J Surg 120:743-6, Dec 70
[Surgical restoration of the hand following infections] Koob E. Hefte Unfallheilkd 107:230-5, 1970 (Ger)
[Significance of postpponed primary surgery in the treatment of infected hand injuries] Krebs H. Hefte Unfallheilkd 107:245-8, 1970 (Ger)

THERAPY

Studies in the management of the contaminated wound. VI. The therapeutic value of gentle scrubbing in prolonging the limited period of effectiveness of antibiotics in contaminated wounds. Edlich RF, et al.
Am J Surg 121:668-72, Jun 71
The bacteria-removal efficiency of mechanical lavage and rubber-bulb syringe irrigation in contaminated avulsive wounds. Stewart JL, et al.
Oral Surg 37:842-8, Jun 71
[Treatment of wound infection] Eufinger H.
Hefte Unfallheilkd 102:25-33, 1970 (Ger)

VETERINARY

[Bacteriological and therapeutic aspects of pyogenic wound infection in cattle] Dietz O, et al.
Monatsh Vet Med 25:748-52, 1 Oct 70 (Ger)

WOUNDS AND INJURIES (C14)

see also related
DEBRIDEMENT (E4)
FIRST AID (E2)
TRANSPORT OF WOUNDED AND SICK (E5, N2)

Traumatic injury of the small bowel. Larmi TK, et al.
Ann Chir Gynaecol Fenn 59:131-7, 1970
Falls from heights: a surgical experience of 200 consecutive cases. Reynolds BM, et al.
Ann Surg 174:304-8, Aug 71
Mortal wounds and pre-experientially differentiated social attitudes in white mice. Kalkowski W.
Folia Biol (Krakow) 18:253-69, 1970
hecrlicly injured patiet: a an for the organization of a statewide system of trauma facilities. Flahner BA, et al. Ill Med J 139:256-65, Mar 71
Behavioral antecedents of accidental injuries in early childhood: a study of twins. Matheny AP Jr, et al.
J Pediatr 79:122-4, Jul 71
Recording and reporting occupational injuries and illnesses under Public Law 91-596. Federal Register, Vol. 36, No. 128--Friday, July 2, 1971.
Occup Health Nurs (NY) 19:16-26, Sep 71
Emotional aspects of disability. White RK, et al.
South Med J 63:1304-8, Nov 70
Trauma: our permissive killer. Ballinger W, et al.
Surgery 69:157-8, Feb 71
International trauma symposium: the challenge.
Dunphy JE. Surgery 69:159-61, Feb 71
Massive transfusion of frozen processed red cells in combat casualties: report of three cases. Moss GS.
Surgery 66:1008-13, Dec 69
The pattern of road traffic ccidents seen at the University College Hospital, Ibadan, Nigeria. A preliminary study. Adeloye A, et al.
West Afr Med J 19:153-7, Oct 70
[Anatomic, clinical, therapeutic and medico-legal aspects of 180 cases of traffic accident; multiple injury victims] Arcadio F, et al.
Acta Med Leg Soc (Liege) 20:245-52, Jul-Dec 67 (Fre)
[Actual work disability of the injured] L'Epee P, et al.
Acta Med Leg Soc (Liege) 20:287-91, Jul-Dec 67 (Fre)
[Dietetics of surgical and injured patients] Le Peltier P, et al. Maroc Med 538:493-8, Aug-Sep 70 (Fre)
[Wound and injury consultation] Vitani C, et al.
Med Leg Domm Corpor (Paris) 3:400-3, Oct-Dec 70 (Fre)
[Highway traumatology] Perquis P.
Med Trop (Mars) 29:Suppl:1-11, Jan-Feb 69 (Fre)
[Facial injuries in the multiple-injured]
Rev Chir Orthop 57:Suppl 1:325+, 1971 (Fre)
[Injuries by safety belts] Lindgren S.
Hefte Unfallheilkd 99:246-51, 1969 (Ger)
[Injuries by steeringwheel rebounding] Schriefers KH.
Hefte Unfallheilkd 99:276-83, 1969 (Ger)
[Multiple injuries of children and their prognosis] Hüner H.
Langenbecks Arch Chir 322:328-32, 1968 (Ger)
[Multiple injuries in childhood] Spier W, et al.
Langenbecks Arch Chir 322:332-5, 1968 (Ger)
[Injury combinations in fatal traffic accidents] Kamiyama S, et al.
Monatsschr Unfallheilkd 74:10-30, Jan 71 (Ger)
[Accident- and insurance medicine. Injuries in the head and trunk areas] Wilhelm A.
Munch Med Wochenschr 112:2265-72, 4 Dec 70 (80 ref.) (Ger)
[Soft-part injuries] Suckert R.
Wien Med Wochenschr 121:13-7, 9 Jan 71 (Ger)
[Average gravity of lesions caused by traffic accidents in relation to age] Agnese G, et al.
G Ig Med Prev 11:133-9, Jul-Sep 70 (Ita)
[Medico-legal studies on the observations and examination of wounds] Makisumi S.
Jap J Leg Med 24:367, Sep 70 (Jap)
[Supplemental study on stab wounds in legal medicine] Sumie M. Jap J Leg Med 25:38-58, Jan 71 (Jap)
[Trauma as a complication of full-term pregnancy] Borys J, et al. Wiad Lek 23:2031-3, 15 Nov 70 (Pol)
[Causes and effects of injuries in the rural population] Koska W. Wiad Lek 23:1839-43, 15 Oct 70 (Pol)
[Cranial and brain trauma associated with extracranial injuries] Fraerman AP, et al.
Khirurgiia (Mosk) 46:33-8, Sep 70 (Rus)
[Wounds as industrial injuries of miners in the Nikopol'-Marganets ore mining basin] Perepelitsa GF, et al. Ortop Travmatol Protez 31:61-4, Dec 70 (Rus)
[Raising the efficiency of scientific research on the problem of trauma, traumatism and orthopedic diseases] Volkov MV, et al.
Ortop Travmatol Protez 32:87-91, Jan 71 (Rus)
[Occupational accidents in ballet performers and their prevention] Volkov MV, et al.
Ortop Travmatol Protez 31:57-61, Dec 70 (Rus)
[Characteristics of body injuries from a caterpillar tractor] Berezniyĭ VI.
Sud Med Ekspert 13:48, Oct-Dec 70 (Rus)
[Unusual railroad injury] Solov'eva IP.
Sud Med Ekspert 13:49, Oct-Dec 70 (Rus)
[Characteristics of the damage caused by a stud-gun (experimental study)] Tsykunov AP.
Sud Med Ekspert 14:35-8, Apr-Jun 71 (Rus)
[Transfusion therapy in severe mechanical injuries] Alagova ZS, et al. Vestn Khir 104:126-30, Jun 70 (Rus)
[Wounds and injuries:accidents in the rural area. Epidemiology and prevention] De Elizalde FJ, et al.
Arch Argent Pediatr 68:344-9 contd, Nov 70 (Spa)
[Insurance medicine. 2. Medical invalidity versus economics] Boëthius P.
Lakartidningen 67:5409-16, 11 Nov 70 (Swe)
[Insurance medicine. 1. Appraisal of injuries] Johansson O, et al.
Lakartidningen 67:5403-8, 11 Nov 70 (Swe)

BLOOD

Serum gamma-glutamyl transpeptidase and alkaline phosphatase in severely injured patients. Kataja J, et al. Acta Chir Scand 136:277-81, 1970
Relationship between trauma, plasma corticosterone and reticuloendothelial function in anaesthetized mice. Schildt BE, et al.
Acta Endocrinol (Kbh) 67:141-50, May 71
Serum protein changes after injury. Clarke HG, et al.
Clin Sci 40:337-44, Apr 71
[Value of lactic acid determination in the critical examination of severe injuries] Hofmann KT, et al.
Langenbecks Arch Chir 322:1113-6, 1968 (Ger)
[Blood levels of carboxyhemoglobin in persons who died from disease and injury] Cherkavskiĭ NB.
Sud Med Ekspert 13:26-7, Jul-Sep 70 (Rus)

CLASSIFICATION

A practicable classification of the injured for computer simulation studies. Moore WS.
Milit Med 135:752-3, Sep 70

COMPLICATIONS

Hemobilia after primary suture of deep liver rupture. Aronsen KF, et al. Acta Chir Scand 136:517-20, 1970
Fat embolism and post-traumatic diabetes insipidus. Hansen OH. Acta Chir Scand 136:161-5, 1970
Experimental studies on trauma and metastasis formation. Rudenstam CM.
Acta Chir Scand Suppl 391:1+, 1968
Trauma and retinal detachment. The anterior chamber angle, with special reference to width, pigmentation and traumatic ruptures. Syrdalen P.
Acta Ophthalmol (Kbh) 48:1006-23, 1970
Peripheral tuberculous lymphadenitis. Kechavarz-Olial L, et al. Am J Dis Child 122:74-5, Jul 71
Diagnosis and treatment of respiratory failure after civilian trauma. Olcott C, et al.
Am J Surg 122:260-8, Aug 71
Application of the "G-suit" to the control of

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

hemorrhage in massive trauma. Cutler BS, et al. Ann Surg 173:511-4, Apr 71

Respiratory failure complicating post-traumatic acute renal failure: etiology, clinical features and management. Zimmerman JE. Ann Surg 174:12-8, Jul 71

Renal insufficiency after trauma and sepsis. A prospective functional and ultrastructural analysis. Rosenberg IK, et al. Arch Surg 103:175-83, Aug 71

Massive trauma. Effect of intravascular coagulation on prognosis. String T, et al. Arch Surg 102:406-11, Apr 71

The twitching scar. Converse JM, et al. Br J Plast Surg 24:272-6, Jul 71

The role of trauma in the development of peritonitis and the protection afforded by intravenous dextran solutions. Hawley PR. Br J Surg 58:305, Apr 71

The natural history of shingles. Events associated with reactivation of varicella-zoster virus. Juel-Jensen BE. J R Coll Gen Pract 20:323-7, Dec 70

Pre- and postmortem studies of lung fluids and electrolytes. Gump FE, et al. J Trauma 11:474-82, Jun 71

Trauma workshop report: the gastrointestinal tract in trauma. Gurd FN, et al. J Trauma 10:1089-91, Nov 70

Hyperglycemic response to trauma in combat casualties. McNamara JJ, et al. J Trauma 11:337-9, Apr 71

Trauma workshop report: fat embolism. Peltier LF, et al. J Trauma 10:1074-7, Nov 70

Management and study of psychological response to trauma. Titchener JL. J Trauma 10:974-80, Nov 70

Delayed vascular complications in Vietnam casualties. Winegarner FG, et al. J Trauma 10:867-73, Oct 70

Metastasis to the site of recent trauma. Benisch B, et al. JAMA 216:2142-3, 28 Jun 71

Recognition of the syndrome of post-traumatic pulmonary insufficiency in a patient with severe trauma. Casey MJ. Med Ann DC 40:103-5, Feb 71

Acute acalculous cholecystitis after trauma and surgery. Wilson TH Jr. Med Ann DC 39:560-2, Oct 70

Acute gastrointestinal problems in the intensive care unit. Markowitz AM. Med Clin North Am 55:1277-84, Sep 71

Heart disease and the law. Bucklin R. Med Trial Tech Q 17:294-301, Mar 71

Gastric mucosal hemorrhage following sepsis and trauma. Rector F. Mich Med 70:417, May 71

Subacute gastric dilatation in air evacuated combat injuries. Duncan JW, et al. Milit Med 134:57-8, Jan 69

Post-traumatic acute acalculous cholecystitis in young males. Shaw RC. Milit Med 135:210-4, Mar 70

Psychiatric aspects of patients with compensation problems. Martin MJ. Psychosomatics 11:81-4, Mar-Apr 70

Necrotizing fasciitis. Wyrick WJ Jr, et al. Rev Surg 28:143, Mar-Apr 71

Experimental cutaneous Candida albicans infection in guinea-pigs. Van Cutsem J, et al. Sabouraudia 9:17-20, Mar 71

Predictive value of serum osmolality in shock following major trauma. Boyd DR, et al. Surg Forum 21:32-3, 1970

Prospective study of gastric juice and possible related factors following war wounds in Vietnam: pathogenesis of acute gastrointestinal erosions. Stremple JF, et al. Surg Forum 21:305-7, 1970

Bacteroides infections in orthopedic conditions. Pearson HE, et al. Surg Gynecol Obstet 132:876-80, May 71

Deep soft tissue abscesses secondary to nonpenetrating trauma. Heeb MA. Surgery 69:550-3, Apr 71

Mannitol in the treatment of oliguria following severe trauma. Sabawala PB. Tex Med 67:72-3, Jan 71

Surgical management of facial paralysis in Bell's Palsy, chronic otitis media and trauma. Sprinkle PM, et al. Va Med Mon 98:214-20, Apr 71

Traumatic aneurysms and arterio-venous fistulae. Fraser GA. Vasc Surg 4:258-68, Dec 70

[Traumatic hemobilia] Vink M. Ned Tijdschr Geneeskd 115:1445-8, 28 Aug 71 (Dut)

[Acute renal insufficiency in multiple-injured patients] Lareng L, et al. Cah Anesthesiol 19:159-68, Mar 71 (Fre)

[Diabetes and injury] Schrub JC, et al. Cah Med 12:285-94, Mar 71 (Fre)

[Diagnosis, treatment and prognosis of peripheral vascular lesions in closed injuries] Tschantz P, et al. Helv Chir Acta 38:111-27, Apr 71 (Fre)

[Description of traumatic chylothorax of unusual origin] Collard M, et al. J Belge Radiol 52:152-6, 1969 (Fre)

[Importance of early and frequent dialysis for the prognosis of postoperative and post-traumatic anuria] Bosteels V, et al. J Urol Nephrol (Paris) 76:797-800, Sep 70 (Fre)

[Post-traumatic scirrhous adenocancer of the breast] Jovanovic MS, et al. Laval Med 41:345-7, Mar 70 (Fre)

[Long-term anticoagulant therapy in traumatology (surveillance by thrombelastography)] Figarella J, et al. Mars Med 107:1005-8, 1970 (Fre)

[Apropos of 50 cases of post-traumatic transitory glycosuria] L'Epée P, et al. Med Leg Domm Corpor (Paris) 1:406-8, Oct 68 (Fre)

[Traumatic Basedow's disease] L'Epée P, et al. Med Leg Domm Corpor (Paris) 3:193-4, Jan-Mar 70 (Fre)

[Clinical study of post-traumatic fat embolism] Motin J, et al. Med Leg Domm Corpor (Paris) 3:385-92, Oct-Dec 70 (Fre)

[Acute renal insufficiency in the multiple-injured] Suc JM. Rev Chir Orthop 57:Suppl 1:15-23, 1971 (Fre)

[Traumatic detachment of the retina] Cornand G. Rev Corps Sante Armees 10:135-49, Apr 69 (Fre)

[Pathogenesis of fat embolism; fat resorption from the soft parts after injuries and blood loss] Szabó G, et al. Bruns Beitr Klin Chir 217:666-72, Dec 69 (Ger)

[Post-traumatic icterus] Gehrmann G. Dtsch Med Wochenschr 96:479, 12 Mar 71 (Ger)

[Diagnosis of traumatic splenic rupture in multiple injuries] Wenzel R, et al. Dtsch Med Wochenschr 96:1282-3, 30 Jul 71 (Ger)

[General principles in the evaluation of trauma and neoplasms] Bauer KH. Hefte Unfallheilkd 107:45-50, 1970 (Ger)

[Disseminated intravasal blood coagulation disorders following injuries] Encke A. Hefte Unfallheilkd 107:145-8, 1970 (Ger)

[Epiphysiolysis and injury] Friedebold G. Hefte Unfallheilkd 102:151-3, 1970 (Ger)

[Trauma and malignant melanoma] Gartmann H. Hefte Unfallheilkd 107:50-2, 1970 (Ger)

[Diagnosis and conservative treatment of thrombotic veinous processes in the extremities] Klüken N. Hefte Unfallheilkd 107:124-8, 1970 (Ger)

[Bone neoplasm and trauma] Liebegott G. Hefte Unfallheilkd 107:18-33, 1970 (Ger)

[The importance of trauma in the development of neoplasms, expecially of malignart melanomas from the viewpoint of the pathologist] Schauer A. Hefte Unfallheilkd 107:9-18, 1970 (Ger)

[Fatal pulmonary embolism in traumatology] Schlag G. Hefte Unfallheilkd 102:63-7, 1970 (Ger)

[Morphologic findings in posttraumatic thromboses and their complications] Schoenmackers J. Hefte Unfallheilkd 107:116-24, 1970 (Ger)

[Extrarenal causes of posttraumatic urinary excretion disorders and their therapy] Schramm W. Hefte Unfallheilkd 99:50-4, 1969 (Ger)

[Edemas of different genesis from the veiwpoint of expert testimony] Spier W. Hefte Unfallheilkd 107:155-68, 1970 (Ger)

[Expert opinion questions in ostitis pubis] Torklus D von. Hefte Unfallheilkd 99:352-4, 1969 (Ger)

["Semi-malignant" bone neoplasms and trauma] Weber H, et al. Hefte Unfallheilkd 107:52-62, 1970 (Ger)

[Sarcomatous degeneration along with a contribution on the problem of sarcoma and trauma] Eimendorff H von, et al. Langenbecks Arch Chir 321:99-113, 1968 (Ger)

[Expert opinion bases in traumatic diabetes mellitus] Stoerger R. Med Monatsschr 24:207-10, May 70 (Ger)

[Typical complications and therapeutic procedure in post-traumatic acute kidney failure] Hübner W, et al. Med Welt 43:1873-5, 24 Oct 70 (Ger)

[Re-vaccination in accident injuries] Harrfeldt HP. Monatsschr Unfallheilkd 74:53-6, Feb 71 (Ger)

[Painful shoulderblade noise following trauma] Lanz U. Monatsschr Unfallheilkd 73:575-8, 1970 (Ger)

[Experience with the physical therapy of post-traumatic circulatory disorders of the limbs using the vasculator] Simon L. Monatsschr Unfallheilkd 72:445-53, Oct 69 (Ger)

[Assessing the connection between accidents and hematogenic osteomyelitis] Probst J. Munch Med Wochenschr 111:2353-7, 7 Nov 69 (Ger)

[Chronic fungal sepsis in a female patient with generalized cephalosporiosis] Ariewitsch AM, et al. Mykosen 11:703-9, 1 Oct 68 (Ger)

[Demonstrations from clinical bacteriology] Reber H. Pathol Microbiol (Basel) 36:279-80, 1970 (Ger)

[Unrecognized studgun injury of the brain as cause of sudden death] Naeve W. Z Rechtsmed 68:27-32, 1971 (Ger)

[3 cases of hemorrhage due to gastroduodenal ulcer in injured patients] Tappero P. Minerva Medicoleg 89:21-4, Jan-Feb 69 (Ita)

[Some characteristics of severe mining injuries complicated by shock] Efimov IS, et al. Klin Khir 11:52-3, Nov 70 (Rus)

[Magnetic field therapy of traumatic edema] Degen IL. Ortop Travmatol Protez 31:47-9, Nov 70 (Rus)

[Erectile phase of shock in severe mining trauma] Efimov IS, et al. Ortop Travmatol Protez 31:82-3, Aug 70 (Rus)

[Use of plastic surgery of the skin in treatment of gunshot-, and post-traumatic osteomyelitis] Petrov VI, et al. Voen Med Zh 11:24-6, Nov 70 (Rus)

[Medico-legal problems raised by syringomyelia and hematomyelia] Tuero M, et al. Rev Esp Otoneurooftalmol Neurocir 28:319-22, 1969-70 (Spa)

[Diabetes and trauma] Ostman J. Nord Med 84:1265-70, 1 Oct 70 (45 ref.) (Swe)

DIAGNOSIS

Multiple trauma (case P64). Can Med Assoc J 105:84-8, 10 Jul 71

Trauma index. An aide in the evaluation of injury victims. Kirkpatrick JR, et al. J Trauma 11:711-4, Aug 71

Rating the -severity of tissue damage. I. The abbreviated scale. JAMA 215:277-80, 11 Jan 71

[Evaluation of general condition and shock therapy in multiple injuries] Allgöwer M. Langenbecks Arch Chir 322:230-41, 1968 (Ger)

[Minor traumatology] Spier W. Z Allgemeinmed 47:171-5, 10 Feb 71 (Ger)

[Differential diagnosis between intra vitam and post-morten skin lesions. 8. Changes on the capillaroscopic picture] Lo Menzo G, et al. Zacchia 4:374-83, Jul-Sep 68 (Ita)

[Diagnosis, treatment and outcome in closed combined injuries of the pelvic bones and bladder] Efimov IS, et al. Klin Khir 9:43-7, Sep 70 (Rus)

[Mechanism of injury in traffic accidents] Pandurović S. Med Glas 24:271-8, Jun 70 (Cro)

DRUG THERAPY

The treatment of minor wounds with povidone-iodine ointment. Venis SB. Br J Clin Pract 25:321-2, Jul 71

[Utilization of a new antiseptic in treatment of infected wounds and burns in children] Lejeune M, et al. Lille Med Suppl 2:248+, Mar 69 (Fre)

[Therapeutic effectiveness of alclofenac in surgery and traumatology] Defrére J, et al. Rev Med Liege 26:546-8, 15 Aug 71 (Fre)

[Experimentation on 138 traumatologic and rheumatologic cases treated with a percutaneous local corticoid-salicylate combination] Rouzaud A. Rhumatologie 23:61-3, Feb 71 (Fre)

[Dangerous increase in serum potassium following succinylcholine administration] Roth F, et al. Anaesthesist 20:35-8, Jan 71 (Ger)

[Injuries and burn wounds of the pig under the influence of Katoxyn] Leuzinger S. Arzneim Forsch 20:1732-8, Nov 70 (Ger)

[Anticoagulants in traumatology] Thies HA. Hefte Unfallheilkd 102:56-63, 1970 (Ger)

[Use of reparil gel in traumatology and phlebology] Clemens G, et al. Praxis 59:1753-5, 15 Dec 70 (Ger)

[Azapropazone in traumatology] Schmökel W. Praxis 60:1114-6, 17 Aug 71 (Ger)

[Clinical experiences with azapropazone in surgery] Vokner J. Praxis 59:1756-8, 15 Dec 70 (Ger)

[Application of Tanderil in traumatology] Steinhoff HE. Ther Ggw 110:87-90, Jan 71 (Ger)

[Pharmacological modification of traumatic edemas in animal experiment and clinic] Suckert R. Wien Klin Wochenschr 82:281-9, 17 Apr 70 (Ger)

[Thrombophob gel in accident surgery] Colombel M. Z Allgemeinmed 47:1129-30, 10 Aug 71 (Ger)

[On the treatment of losses of continuity of the skin with 4-chlorotestosterone acetate and neomycin sulfate] Barberis ML, et al. Minerva Med 61:5241-6, 17 Nov 70 (Ita)

[Local administration of nucleosides in dermatology] Giacometti F. Minerva Med 61:4279-88, 29 Sep 70 (Ita)

[The action of exogenous hyaluronic acid on healing processes of solutions of continuity and of torpid sores] Gualtieri G. Policlinico [Med] 77:96-102, Mar-Apr 70 (Ita)

[Clinico-statistical study of the effectiveness of a cutaneous topical preparation with anabolic and antibiotic action] Esposito C. Rass Int Clin Ter 50:491-7, 30 Apr 70 (Ita)

[Early change in post-traumatic and postsurgical edema by iontophoretic enzymatic depolymerization] Taboada A, et al. Prensa Med Argent 57:1788-95, 20 Nov 70 (Spa)

ENZYMOLOGY

Early enzyme changes in skin wounds demonstrated by isoelectric focusing in polyacrylamide gel. Jarecki R, et al. Z Rechtsmed 67:313-8, 1970

[Significance of enzyme variations in polytraumatic patients] Mörl FK, et al. Langenbecks Arch Chir 322:1111-3, 1968 (Ger)

[Effect of repeated decelerations of moderate importance and very short duration on laboratory animals] Paolucci G. Minerva Med 61:4228-33, 26 Sep 70 (Ita)

[Effect of single remarkably intensive decelerations of very short duration (impacts) in experimental animals] Paolucci G. Minerva Med 61:4224-7, 26 Sep 70 (Ita)

ETIOLOGY

Infant trauma. Gregg GS. Am Fam Physician 3:101-5, May 71

And bring your seats to an upright position. Gimbel NS. J Trauma 11:272, Mar 71

Safety of lap-belt restraint for pregnant victims of automobile collisions. Crosby WM, et al. N Engl J Med 284:632-6, 25 Mar 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The dangers of the bicycle. Waller JA.
N Engl J Med 285:747-8, 23 Sep 71
Storm door hazards. Feinberg SN.
Pediatrics 46:936-8, Dec 70
Truck tire-rim injury--a new trauma entity. Bautista BN, et al. Plast Reconstr Surg 47:117-21, Feb 71
Safety-belt syndrome. Michelinakis E.
Practitioner 207:77-80, Jul 71
[Special features of traffic accidents] Fischer H.
Hippokrates 42:107-11, Mar 71 (Ger)
[Iatrogenic perforation of hollow organs during endoscopy, probing and dilatation with bougies] Zittel RX, et al.
Munch Med Wochenschr 110:2265-70, 4 Oct 68 (Ger)
[Blood vessel injuries in inguinal and femoral hernia surgery. Compulsory surgical care and criteria for malpractice] Niemann F, et al.
Zentralbl Chir 96:408-12, 20 Mar 71 (Ger)
[Foot injuries caused by power lawn mowers] Schulstad I. Nord Med 85:95, 21 Jan 71 (Nor)
[The role of alcohol in accidents] Bjerver K, et al.
Lakartidningen 68:3295-300, 14 Jul 71 (Swe)

HISTORY

Book of accidents (1830). Excerpt XI: Riding a wild horse. Cone TE Jr. Pediatrics 47:947, May 71
Wounds, Williamsburg, and war. The day "the world turned upside down". Horton CE, et al.
Plast Reconstr Surg 47:411-20, May 71

IMMUNOLOGY

The role of PMN-leukocyte lysosomes in tissue injury, inflammation and hypersensitivy. VII. Liberation of vascular permeability factors from PMN-leukocytes during 'in vitro' phagocytosis. Movat HZ, et al.
Int Arch Allergy Appl Immunol 40:197-217, 1971
The role of PMN-leukocyte lysosomes in tissue injury, inflammation and hypersensitivity. 8. Mode of action and properties of vascular permeability factors released by PMN-leukocytes during 'in vitro' phagocytosis. Movat HZ, et al.
Int Arch Allergy Appl Immunol 40:218-35, 1971
[Formation of antitetanus immunity in trauma] Matveev KI, et al.
Khirurgiia (Mosk) 46:113-8, Sep 70 (Rus)

METABOLISM

Lactate-pyruvate metabolism in pigs after severe tissue damage. An experimental study. Rokkanen P, et al. Acta Chir Scand 136:561-5, 1970
Histochemical examinations at vital and postmortem injuries. Buris L. Acta Histochem (Jena) 38:65-9, 1970
Wound kinetics: water and electrolyte changes from zero to sixty days in clean wounds. Rocchio MA, et al.
Am J Surg 121:460-6, Apr 71
Intensive-care-metabolic response to injury. Cuthbertson D. Br J Surg 57:718-21, Oct 70
Relative distribution of plutonium and americium following experimental PuO 2 implants. Johnson LJ, et al. Health Phys 19:743-9, Dec 70
Trauma workshop report: metabolic response to trauma, and nutrition. Kinney JM, et al.
J Trauma 10:1065-8, Nov 70
Hyperglycemic response to trauma in combat casualties. McNamara JJ, et al.
J Trauma 11:337-9, Apr 71
Catabolic response to injury. Davies JW, et al.
Lancet 2:320, 7 Aug 71
Effect of insulin on the injury-stimulated synthesis of serum albumin in the rat. Balegno HF, et al.
Life Sci [II] 9:1039-44, 22 Sep 70
Wound kinetics: water and electrolyte changes from zero to sixty days in clean wounds. Rocchio MA, et al.
Surg Forum 21:104-6, 1970
Sequential oxygen transport and acid-base changes after trauma to the unanesthetized patient. Shoemaker WC, et al.
Surg Gynecol Obstet 132:1033-8, Jun 71
[Dynamics of skin reaction following horn layer stripping. Histochemical and cytochemical studies on guinea pig ears] Braun-Falco O, et al.
Arch Dermatol Forsch 241:1-14, 1971 (Ger)
[Clinical significance of carbohydrate metabolism disorders during the 1st days after an accident] Hierholzer G, et al.
Hefte Unfallheilkd 99:156-9, 1969 (Ger)
[Combination injuries. Comparative electrolyte studies in rats, stressed by whole body irradiation and skin wounds] Messerschmidt O, et al.
Strahlentherapie 141:705-11, Jun 71 (Ger)
[Free histamine-content of different wounds as vital reaction] Fazekas IG, et al.
Z Rechtsmed 68:86-94, 1971 (Ger)
[Dysmetabolic aspects of wounds and therapeutical trends] Micali G, et al.
G Ital Chir 25:99-110, Mar 69 (Ita)
[The importance of wound factors for protein metabolism] Liljedahl SO, et al.
Nord Med 84:1342, 15 Oct 70 (Swe)
[Protein metabolism in trauma] Vinnars E.
Nord Med 84:1276-80, 1 Oct 70 (25 ref.) (Swe)

MICROBIOLOGY

[Posttraumatic infection with a lactose splitting variant of Pasteurella multocida] Zinnecker HJ, et al.
Wien Klin Wochenschr 82:359-62, 8 May 70 (Ger)

MORTALITY

Histochemical examinations at vital and postmortem injuries. Buris L. Acta Histochem (Jena) 38:65-9, 1970
Falls from heights: a childhood epidemic in an urban area. Bergner L, et al.
Am J Public Health 61:90-6, Jan 71
Traffic fatalities in Philadelphia. Spelman JW, et al.
J Trauma 10:885-9, Oct 70
Lap-belt restraints in pregnancy. Ericsson CD.
N Engl J Med 284:1271, 3 Jun 71
Motor vehicle accident deaths in the United States, 1950-67. Reese BF. Vital Health Stat 20:1-39, Dec 70
[Sociological observations on persons indirectly involved in traffic accidents] Höbich M.
Hefte Unfallheilkd 102:233-8, 1970 (Ger)
[Work of the committee on the "protection of children"] Undeutsch U.
Hefte Unfallheilkd 102:238-42, 1970 (Ger)
[Mortality due to neoplasms and violent causes in the first 15 years of life from 1958 through 1964 in Italy] Gambassini L, et al.
Riv Clin Pediatr 81:1299-306, Nov-Dec 68 (Ita)
[Fatal traffic accidents in Norway] Solheim K.
Tidsskr Nor Laegeforen 91:1422-3, 30 Jun 71 (Nor)

NURSING

Tragedy and recovery. The story of a man and his family following a road traffic accident. Glover J.
Nurs Times 67:37-9, 14 Jan 71

OCCURRENCE

A study f injuries. Smith V. J Sch Health 41:108, Feb 71
The motorcycle accident: a growing problem. Clark DW, et al. J Trauma 11:230-7, Mar 71
Traffic injuries and deaths in a metropolitan area (Philadelphia, 1964-1967). Howard JM, et al.
J Trauma 11:705-10, Aug 71
Falls as childhood accidents: an increasing urban risk. Sieben RL, et al. Pediatrics 47:886-92, May 71
The epidemiology of accidents among the Navajo Indians. Brown RC, et al.
Public Health Rep 85:881-8, Oct 70
Disabling injuries by type of accident.
Stat Bull Metropol Life Ins Co 51:10-1, Dec 70
Accidental injuries--disability by type.
Stat Bull Metropol Life Ins Co 51:8-8, Aug 70
Accidental injuries. Va Med Mon 98:157, Mar 71
[Injuries in children under 15 years of age] Zdenković A. Rozhl Chir 49:638-43, Dec 70 (Cze)
[Traffic injuries in the defense forces. A regional investigation] Aho AJ, et al.
Sotilaslaak Aikak 45:46-54, 1970 (Fin)
[Injuries in traffic accidents] Fischer H.
Hippokrates 42:111-4, Mar 71 (Ger)
[Significance of multiple fractures in clinical surgery. Analysis of 5032 multiple injuries] Gögler E, et al.
Langenbecks Arch Chir 322:1079-85, 1968 (Ger)
[STatistical considerations on hospitalization for accidental causes in the Arcispedale di S. Maria Nuova in Florence in the years 1951 and 1961] Milli G, et al.
G Ig Med Prev 10:511-30, Dec 69 (Ita)
[Hospital opinion concerning attempted suicides, suicides, accidental poisonings, self-inflicted injuries and alcoholic toxicosis. (Proposed medical record for reporting them)] Hrovatin G, et al.
Minerva Med 61:5871-8, 19 Dec 70 (Ita)
[Traumatic lesions in military personnel] Vox CA.
Minerva Med 61:4121-6, 22 Sep 70 (Ita)
[Fatal home accidents in the infantile age] Gilli R, et al.
Minerva Pediatr 22:1482-90, 21 Jul 70 (Ita)
[The epidemiology of home accidents in childhood] Lanza I. Minerva Pediatr 22:1461-71, 21 Jul 70 (Ita)
[Personal experience with diseases caused by physical agents] Lombardo G, et al.
Minerva Pediatr 22:1735-8, 1 Sep 70 (Ita)
[Wounds and injuries in the preschool child] Pizzetti M. Minerva Pediatr 22:1498-503, 21 Jul 70 (Ita)
[Multiple traffic injuries: etiopathogenetic and diagnostic aspects; cases] Mazzoni G, et al.
Policlinico [Prat] 76:929-44, 21 Jul 69 (Ita)
[Children and traffic or home accidents] Lanza I.
Riv Clin Pediatr 81:1215-6, Nov-Dec 68 (Ita)
[Trends in traffic accidents and traffic injuries] Bo O.
Nord Med 85:600, 13 May 71 (Nor)
[Injuries in children and youths of Krakow in 1963-1964] Balasz A.
Zdravookhr Ross Fed 15:43-5, Feb 71 (Rus)
[Epidemiological study of traumatism among military personnel] Marjanac A, et al.
Vojnosanit Pregl 27:377-81, Sep 70 (Cro)

PATHOLOGY

Review of child molestation and alleged rape cases. Robinson HA Jr, et al.
Am J Obstet Gynecol 110:405-6, 1 Jun 71
Essential postmortem findings in the traffic accident victim. Spitz WU. Arch Pathol 90:451-7, Nov 70
The pathology of fatal inadvertent ejection from aircraft. Mason JK. J Forensic Med 16:7-15, 1969
Reflections on some problems in the pathology of trauma. Sevitt S. J Trauma 10:962-73, Nov 70
The battered baby syndrome. Mant AK.
Med Leg Bull 188:1-8, Dec 68
[Statistical study of the morphology of traffic accident injuries: survey conducted at the Institut Médico-Legal de Bordeaux] Dervillée P, et al.
Acta Med Leg Soc (Liege) 20:209-14, Jul-Dec 67 (Fre)
[Electron microscopic studies of the kidney medulla after a circumscribed mechanical injury] Ditscherlein G, et al. Z Mikrosk Anat Forsch 83:47-64, 1971 (Ger)
[Histological studies of tissue reaction and storage of histoacrylic adhesives in the adhesion of artificial experimental hypospadias] Wessel W, et al.
Z Urol Nephrol 63:377-89, May 70 (Ger)

PHYSIOPATHOLOGY

The effect of experimental trauma on the platelets. Ljungqvist U, et al. Acta Chir Scand 136:271-5, 1970
Function of the RES after thermal and mechanical trauma in mice. Schildt BE.
Acta Chir Scand 136:359-64, 1970
Elucidation of the nature and function of the granular oyster amebocytes through histochemical studies of normal and traumatized oyster tissues. Ruddell CL.
Histochemie 26:98-112, 1971
Effect of injury on shivering thermogenesis in the rat. Stoner HB. J Physiol (Lond) 214:599-615, May 71
Physiologic shunting in the lung in critically ill or injured patients. Wilson RF, et al.
J Surg Res 10:571-8, Dec 70
Trauma workshop report: kidney response to trauma. Baxter C, et al. J Trauma 10:1072-3, Nov 70
Trauma workshop report: cell biology of injury and wound healing. Bendit EP, et al.
J Trauma 10:1062-4, Nov 70
Trauma workshop report: endocrine response. Egdahl RH, et al. J Trauma 10:1050-1, Nov 70
Reaction of the body as a whole to injury. Gelin LE.
J Trauma 10:932-9, Nov 70
Trauma workshop report: the lung. Powers SR Jr, et al.
J Trauma 10:1047-9, Nov 70
Strength development of skin incisions in young and old rats. Holm-Pedersen P, et al.
Scand J Plast Reconstr Surg 5:7-12, 1971
[Hemodynamics in seriously injured patients, with special reference to fluctuation of cardiac output] Yamada R, et al.
Surg Ther (Osaka) 24:353-7, Mar 71 (Jap)
[Liver blood flow and RES-function after different injuries] Schildt B. Nord Med 86:914, 29 Jul 71 (Swe)

PREVENTION & CONTROL

Acceleration profile for minimum injury. Deery RF, et al. IEEE Trans Biomed Eng 17:292-5, Oct 70
Some comments on the prevention of injury and death amongst vehicle occupants. Grattan E.
Med Leg J 39:58-63, 1971
Progress report of the Injury Control Research Laboratory of the Public Health Service. Schaplowsky AF. Public Health Rep 85:1109-12, Dec 70
Human injury inflicted by grizzly bears. Herrero S.
Science 170:593-8, 6 Nov 70
Trauma programs: where is the support? Lee E Jr.
Surgery 69:164-5, Feb 71
The effect of trauma programs in the community. Shires GT. Surgery 69:162-3, Feb 71

RADIOGRAPHY

Modification of an operating-room table for immediate radiographic evaluation of the urinary tract in the acute, severe trauma patient. Cass AS, et al.
J Urol 105:569-70, Apr 71
Retained arrowheads. Owegi N.
Radiography 36:280, Oct 70
[System for the transport and radiological examination of injured patients] Presse Med 79:576, 13 Mar 71 (Fre)
[Hip impact injury of pedestrians] Ewerwahn WJ.
Hefte Unfallheilkd 99:305-6, 1969 (Ger)
[New roentgenological examination method of the severly injured] Küppermann W.
Hefte Unfallheilkd 99:302-5, 1969 (Ger)
[Renal angiography in childhood] Kuffer F, et al.
Helv Paediatr Acta 25:224-33, Jul 70 (Ger)
[Accelerated rentgenologic processing of patients with injuries of the musculoskeletal apparatus] Kurbatov AI. Voen Med Zh 12:32-5, Dec 70 (Rus)

RADIOTHERAPY

[Short-term ultraviolet irradiation for the treatment of scalds as well as badly healing wounds in childhood] Schmitz EJ. Kinderaerztl Prax 37:408-13, Sep 69 (Ger)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

REHABILITATION

The injured workman--do cultural influences affect his rehabilitation? Lindsay JA.
Can J Occup Ther 38:15-9, Spring 71
Rehabilitation begins with initial care. Chase RA.
J Trauma 10:958-61, Nov 70
Trauma workshop report: long-range management and rehabilitation. Chase RA, et al.
J Trauma 10:1055-7, Nov 70
Duration of recovery from minor injuries. Thomas TG.
Proc R Soc Med 63:1153-4, Nov 70
"Blue prints" warn the handicapped and aid the disabled. Corson M. Rehabil Rec 12:27-31, Jan-Feb 71
[Rehabilitation and assessment of residual efficiency in accidental injuries] Dietrich KF.
Hefte Unfallheilkd 102:269-73, 1970 (Ger)
[Rehabilitation questions and accident insurance rearrangement law] Hymmen R, et al.
Hefte Unfallheilkd 99:335-41, 1969 (Ger)
[Reflections on the rehabilitation of accident victims from a neurologic-psychiatric viewpoint] Stadie B.
Monatsschr Unfallheilkd 73:510-5, Nov 70 (Ger)

SURGERY

Initial surgical management for the combat casualty. Garrick JG. Am J Surg 120:723-5, Dec 70
Anesthetic morbidity in the traumatized patient. Rembert FC, et al.
Anesth Analg (Cleve) 49:890-8, Nov-Dec 70
Traffic accidents. The demnds made on surgcal clinics by more rious injuries. Aho AJ, et al.
Ann Chir Gynaecol Fenn 59:207-13, 1970
Twenty-two months' war surgery in Vietnam. Ogiesby JE. Arch Surg 102:607-13, Jun 71
Multiple trauma. Miller J. Can J Surg 14:1-3, Jan 71
Trauma workshop report: infections, immunology, and gnotobiosis. Altemeier WA, et al.
J Trauma 10:1064-6, Nov 70
Problems related to the management of combat wounds caused by specific ordnance. Garrick JG.
J Trauma 10:1152-7, Dec 70
Versatility of skin allografts: desirability of a viable frozen tissue bank. Graham WP 3d, et al.
J Trauma 11:494-501, Jun 71
Anesthesia experiences at a plastic surgery center in Vietnam. Experiences at Children's Medical Relief International surgical facility. Patterson JF, et al.
JAMA 215:777-82, 1 Feb 71
The future of traumatic surgery. Jennings GC.
NZ Med J 73:308-9, May 71
Management of woumds of the innominate, subclavian, and axillary blood vessels. Brawley RK, et al.
Surg Gynaecol Obstet 131:1130-40, Dec 70
[May the plastic surgeon take part in the treatment of patients with multiple injuries?] Chytilová M, et al.
Cas Lek Cesk 110:673-4, 16 Jul 71 (Cze)
[Care of accident victims in modern surgery] d'Aubigné M.
Mem Acad R Med Belg 6:151-63, 1966 (Fre)
[Anesthesia and resuscitation in elderly patients in traumatology] Rifat K. Praxis 59:49-52, 13 Jan 70 (Fre)
[Surgical procedure for injured old people] Jeannet E.
Rev Med Suisse Romande 88:303-20, May 68 (Fre)
[Indications for partial hepatectomy] Esser G.
Dtsch Med Wochenschr 96:387-9, 26 Feb 71 (Ger)
[Posttraumatic disorders as an indication for corrective surgery] Leitz G, et al.
Hefte Unfallheilkd 102:155-7, 1970 (Ger)
[Consequences of spleen loss in children and adults] Rastetter J. Hefte Unfallheilkd 102:157-63, 1970 (Ger)
[Injuries in children] Wolf F.
Hefte Unfallheilkd 102:84-8, 1970 (Ger)
[Vascular surgery in war] Lanz R.
Helv Chir Acta 38:78-83, Apr 71 (Ger)
[Plastic surgery following trauma and excision of tumors of the head and neck] Meyer R.
Helv Chir Acta 37:296-317, Jun 70 (Ger)
[Respiration problems in seriously wounded] Bonhoeffer K.
Langenbecks Arch Chir 322:241-51, 1968 (Ger)
[Therapy and prognosis of acute kidney insufficiency following multiple injuries] Braun L, et al.
Langenbecks Arch Chir 322:1116-9, 1968 (Ger)
[Covering of large surface wounds by a combination of autoplastic micro-grafts and alloplastic skin-prostheses] Joppich I, et al.
Langenbecks Arch Chir 322:1017-22, 1968 (Ger)
[Hand injuries in patients with multiple injuries] Spier W. Med Welt 5:169-72, 30 Jan 71 (Ger)
[Problems of anesthesia and resuscitation in injured patients] Malin L, et al.
Arcisp S Anna Ferrara 22:561-609, 1969 (Ita)
[Personal experience with a new type of mixed anesthesia in orthopedics and traumatology] Croce V, et al. Minerva Anestesiol 35:965-97, Oct 69 (Ita)
[Ehlers-Danlos syndrome. Considerations on a family group] Fenili O, et al.
Minerva Chir 25:1130-6, 31 Aug 70 (Ita)
[Early and preventive drug treatment in accident surgery] Jantke W, et al.
Hospital (Rio de J) 77:781-6, Mar 70 (Por)
[Swenson-Duhamel operation in children] Kozlov MA.
Khirurgiia (Mosk) 46:24-6, Jul 70 (Rus)
[Neuroleptoanalgesia in emergency surgery] Nutrikhin NA, et al.
Khirurgiia (Mosk) 46:100-3, Jun 70 (Rus)
[Primary suture of torn nails in injuries to the fingers and toes] Voronov NS, et al.
Klin Khir 8:59-60, Aug 70 (Rus)
[Sutureless joining (glueing) of tissues and organs in surgery and injuries] Khromov BM.
Sov Med 32:74-84, Sep 69 (Rus)
[Resection of the tail and body of the injured pancreas] Gataullin NG, et al. Vestn Khir 105:115-7, Nov 70 (Rus)
[Use of erythrocyte transfusate in surgery of injuries] Simbirtsev SA, et al.
Vestn Khir 106:100-4, Jan 71 (Rus)
[Clinical aspects and treatment of extensive defects of the larynx, trachea and adjacent organs] Iunina AI.
Vestn Otorinolaringol 32:67-73, Jul-Aug 70 (Rus)
[Emergency surgical treatment in injuries of the ear, nose and throat] Korolev MF.
Voen Med Zh 11:16-20, Nov 70 (Rus)
[Methoxyflurane in orthopedic and traumatic surgery] Cuesta Bianchi A, et al.
Rev Esp Anestesiol Reanim 17:790-6, Oct 70 (Spa)
[Injuries of blood vessels in war] Pišćević S.
Vojnosanit Pregl 27:587-92, Dec 70 (Cro)

THERAPY

Claim for improved food as civil right of persons injured by accident. Bakonyi F.
Acta Med Leg Soc (Liege) 20:331-3, Jul-Dec 67
Intravenous hyperalimentation. An important adjunct in the treatment of combat casualties. McNamara JJ, et al. Am J Surg 122:70-3, Jul 71
Acid-base status of seriously wounded combat casualties. II. Resuscitation with stored blood. Collins JA, et al. Ann Surg 173:6-18, Jan 71
The injuries and management of riot casualties admitted to the Belfast hospital wards, August to October, 1969. Robb JD, et al. Br J Surg 58:413-9, Jun 71
Cold as an adjunctive modality. Firth D.
J Am Osteopath Assoc 70:715-6, Mar 71
Panel discussion: general organization for trauma care and study. Artz CP, et al. J Trauma 10:1012-24, Nov 70
Organizational and material requirements of a trauma service. Bohler J. J Trauma 11:92-3, Jan 71
Initial care of the injured patient. Shires T.
J Trauma 10:940-8, Nov 70
Trauma: the physician's role. Lancet 1:1342-3, 26 Jun 71
Intensive care of the trauma patient. Gann DS, et al.
Med Clin North Am 55:1171-81, Sep 71
The general practitioner's part in providing aid for the victims of severe injuries. London PS.
Proc R Soc Med 63:1326-8, Dec 70
Management of burns in the multiple inury patient. Pruitt BA Jr.
Surg Clin North Am 50:1283-300, Dec 70 (17 ref.)
[Utilization of an antibiotic semi-fatty dressing and an antibiotic and anti-inflammatory semi-fatty dressing in general surgery and current traumatology] Capuano G, et al. Ann Chir 25:575-83, Jun 71 (Fre)
[Polytraumatology in the hospitals of Paris and of the Parisian region] Sicard A, et al.
Bull Acad Natl Med (Paris) 154:906-11, 15 Dec 70 (Fre)
[Consideration of mental retardation in rehabilitation measures] Döhner W.
Hefte Unfallheilkd 102:265-8, 1970 (Ger)
[Guidance to parents as part of pediatric therapy] Menzel K. Hefte Unfallheilkd 102:119-24, 1970 (Ger)
[Typical traumatic injuries of the childhood skeletal system] Oelsnitz G von der.
Hefte Unfallheilkd 102:68-76, 1970 (Ger)
[Intensive therapy in multiple injuries and fat embolism] Tscherne H.
Hefte Unfallheilkd 99:159-62, 1969 (Ger)
[Critical examination and treatment of multiple injuries] Jekić M.
Langenbecks Arch Chir 322:1094-100, 1968 (Ger)
[Results of treatment of pelvic fractures and associated injuries] Scherer H.
Monatsschr Unfallheilkd 72:349-56, Aug 69 (Ger)
[Mud in rehabilitation of the handicapped] Monticelli G. Clin Ter 47:210-7, 31 Dec 68 (Ita)
[Prevention of traffic accidents and aerial first aid for victims of traffic injuries] Sulli E.
Riv Med Aeronaut Spaz 34:54-62, Jan-Jun 71 (Ita)
[Hyperbaric oxygen therapy of slow-to-heal wounds] Poliiak NA, et al.
Khirurgiia (Mosk) 47:44-7, Jan 71 (Rus)
[Current problems of wound treatment] Struchkov VI.
Khirurgiia (Mosk) 47:26-34, Jan 71 (Rus)
[Basic directions in the contemporary treatment of wounds] Milostanov NN, et al.
Klin Khir 11:1-7, Nov 70 (Rus)
[Resuscitation in patients with severe combined injuries and uncompensated shock] Pashchuk AIu, et al. Ortop Travmatol Protez 31:83-5, Aug 70 (Rus)
[Some cytological characteristics of the exudate of wounds, burns, and ulcerous surfaces following contact with freshly deoxidized aluminum foil of a high degree of purity] Evenshtein ZM.
Vestn Khir 106:123-4, Mar 71 (Rus)
[Use of freshly oxidated aluminum in the treatment of skin defects] Sheremet IV, et al.
Vestn Khir 104:127-8, Mar 70 (Rus)
[Transfusion therapy and circulating blood volume in patients with multiple traumatic injuries] Zolotokryilna ES, et al.
Vestn Khir 106:113-6, Apr 71 (Rus)
[Organizing prehospitalization care, and hospitalization of patients with injuries] Panikovskaia VV.
Zdravookhr Ross Fed 15:11-4, Feb 71 (Rus)

URINE

Urinary glucose, galactose and their oligosaccharides in trauma. Vftek V, et al. Surg Forum 21:99-101, 1970

VETERINARY

A skin punch technique for equine skin grafting. Boyd CL, et al. J Am Vet Med Assoc 158:82-8, 1 Jan 71
Wound management in horses. Britton JW.
J Am Vet Med Assoc 157:1585-9, 1 Dec 70
Split-thickness autologous skin transplantation in horses. Meagher DM, et al.
J Am Vet Med Assoc 159:55-60, 1 Jul 71
Repair of a fractured shell and lacerated cornea in a tortoise. Northway RB.
Vet Med Small Anim Clin 65:944, Oct 70
Treatment and care of the road accident case. Self AD.
Vet Rec 88:96-8, 23 Jan 71
[Clinical experience in the treatment of surgical and internal diseases with antibiotics of sulfonamides] Schleiter H. Monatsh Vet Med 25:792-6, 15 Oct 70 (Ger)
[Electroencephalography in the study of inflammation and injury] Golikov AN, et al.
Veterinariia 7:82-5, Jul 70 (Rus)

WOUNDS, GUNSHOT (C14)

Injury to right hepatic artery and portal vein: case report with survival. Hewitt RL, et al.
Am Surg 37:114-7, Feb 71
Distal bullet embolism after gunshot wound of the chest: a case report. Painter MW, et al.
Am Surg 37:106-8, Feb 71
Gunshot wound of the intestine, pregnant uterus, and placenta with maternal and fetal survival. Wray RC Jr, et al. Am Surg 37:308-9, May 71
Blank cartridge injury of the cornea. Runyan TE, et al.
Arch Ophthalmol 84:690-1, Nov 70
Retained intracranial fragments following missile injuries. Sukoff MH, et al.
Bull Los Angeles Neurol Soc 36:64-71, Apr 71
Nail-gun injury of the hand. Braun RM.
J Bone Joint Surg [Am] 53:383-4, Mar 71
Prolonged survival with retention of bullet in orbit, lung, or spleen. Report of three cases. The identification of bullets. The relationship between trauma and malignancy. Finck PA, et al.
J Forensic Sci 15:565-80, Oct 70
Detection of powder particles at the crime scene. Sinha JK, et al. J Forensic Sci 16:109-11, Jan 71
High-velocity arterial injury: a study of the mechanism of injury. Amato JJ, et al. J Trauma 11:412-6, May 71
The mechanism of shotgun wounds. DeMuth WE Jr.
J Trauma 11:219-29, Mar 71
Delayed ureteral fistula from high velocity missiles: report of 3 cases. Rohner TJ Jr. J Urol 105:63-4, Jan 71
A spear in the brain. Selecki BR, et al.
Med J Aust 1:138-9, 16 Jan 71
Flechette wounds of the heart. Gielchinsky I, et al.
Surgery 69:229-31, Feb 71
[Industrial accidents due to high pressure nailing guns] Kott I, et al. J Chir (Paris) 100:515-20, Dec 70 (Fre)
[Benassi's sign: histopathologic confirmation of its medico-legal value] Bonnet EF, et al.
Med Leg Domm Corpor (Paris) 4:46-7, Jan-Mar 71 (Fre)
[Dissimulation of a corpse, dead from a shotgun blast, in a well] Chaumont AJ, et al.
Med Leg Domm Corpor (Paris) 4:161-2, Apr-Jun 71 (Fre)
[Medicolegal reconstruction of a murder by shotgun] Fourcade J, et al.
Med Leg Domm Corpor (Paris) 4:182-3, Apr-Jun 71 (Fre)
[Fatal wounds caused by a compressed air rifle] L'Epée P, et al.
Med Leg Domm Corpor (Paris) 4:176-7, Apr-Jun 71 (Fre)
[Gun-shot wounds of the face] Stricker M, et al.
Rev Otoneuroophtalmol 42:327-34, Sep-Oct 70 (Fre)
[Open and perforating wounds of the thorax] Weber R.
Munch Med Wochenschr 113:547-53, 9 Apr 71 (Ger)
[Prognosis of suicidal cranial gunshot wounds] Kutscha-Lissberg E, et al.
Wien Med Wochenschr 120:871-2, 21 Nov 70 (Ger)
[Foreign body in the pterygo-mandibular space] Kowalski M. Czas Stomatol 24:49-52, Jan 71 (Pol)
[Disruption of the ureter due to an isolated gunshot] Budzyński B, et al.
Pol Przegl Chir 43:1039-42, Jun 71 (Pol)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Penetrating wounds of the abdomen in children] Parmenov VI. Khirurgiia (Mosk) 46:34-7, Jul 70 (Rus)
[Gunshot wounds of the kidney in peace time] Ustimenko EM. Klin Khir 7:33-5, Jul 70 (Rus)
[Gunshot injuries of the joints in peace time] Gavrilenko BS.
Ortop Travmatol Protez 31:25-8, Nov 70 (Rus)
[Changes in synthetic fibers in the region of gunshot entry holes] Derif SV.
Sud Med Ekspert 13:20-2, Oct-Dec 70 (Rus)
[Adherence of textile fibers to jacketless bullets during gunshot wounds through clothing] Ignatenko AP. Sud Med Ekspert 13:43-4, Oct-Dec 70 (Rus)
[Splinter wound from the discharge of a blank from the Kalashnikov automatic rifle] Kozlov VA.
Sud Med Ekspert 13:50-1, Apr-Jun 70 (Rus)
[Characteristics of the reactive changes in the zone of the gunshot wound under the effects of various components of the shot] Venglinskaia EA, et al.
Sud Med Ekspert 13:14-7, Jul-Sep 70 (Rus)
[Gunshot wound of the abdominal aorta] Gugutsidze AG, et al. Vestn Khir 103:139, Nov 69 (Rus)
[A case of oculo-craniocerebral gunshot wound] Pisetskif VS. Vestn Oftalmol 1:91-2, Jan-Feb 70 (Rus)
[Cranial wound with injury to the frontal lobe of the brain, longitudinal sinus, frontal sinuses, ethmoidal labyrinth and nose] Shpagin VV, et al.
Vestn Otorinolaringol 33:112-4, Jan-Feb 71 (Rus)
[Removal of a bullet from the sphenoid sinus of a child] Smirnov NM.
Vestn Otorinolaringol 32:108-9, Sep 70 (Rus)
[Penetrating wounds of the stomach in peacetime] Strel'nikov BE, et al. Voen Med Zh 6:28-9, Jun 70 (Rus)

COMPLICATIONS

Traumatic coronary arteriovenous fistula. A 20 year follow-up with serial hemodynamic and angiographic studies. Bravo AJ, et al. Am J Cardiol 27:673-6, Jun 71
Penetrating transorbital injury with cerebrospinal orbitorrhea. Ide CH, et al.
Am J Ophthalmol 71:1037-9, May 71
Intrathoracic splenosis. Case report and review of the literature. Dalton ML Jr, et al.
Am Rev Resp Dis 103:827-30, Jun 71
Small-vessel thrombosis following vascular injury. Successful treatment with a low-dose intra-arterial infusion of streptokinase. Chesterman CN, et al.
Br J Surg 58:582-5, Aug 71
Calcified left supraclavicular mass. Guillermand JJ.
Chest 57:592-3, Jun 70
Brain abscess: a world record? Swan BM.
Del Med J 42:363-6, Dec 70
Gas gangrene. Yacoubian V, et al.
J Med Liban 24:67-72, 1971
Epilepsy after missile wounds of the head. Adeloye A, et al. J Neurol Neurosurg Psychiatry 34:98-103, Feb 71
Horner's syndrome associated with maxillofacial trauma: report of case. Kammen IF, et al.
J Oral Surg 28:910-2, Dec 70
Pneumocranium from gunshot wound of brain. Gardner WJ, et al. JAMA 214:2333-4, 28 Dec 70
Management of gastric fistula in the absence of the abdominal wall. Case report. Morioka W, et al.
Minerva Pediatr 67:727-30, Oct 70
Traumatic arteriovenous fistula. Tarlo SM.
Proc R Soc Med 64:398, Apr 71
Tactical decisions in high-output small bowel fistula. Oliver RI, et al. Surg Clin North Am 50:1141-9, Oct 70
[Cardiac bullet wound: value of longitudinal median sternotomy] Contamin C, et al.
Ann Chir Thorac Cardiovasc 9:335-9, Jul 70 (Fre)
[Antehypophyseal deficiency and buckshot in the sella turcica] Durand L, et al.
Bull Soc Ophtalmol Fr 69:578-81, May-Jun 69 (Fre)
[Preliminary note on vascularization of the large dorsal muscle: pertinence in repair of thoracic rupture; a case with 9 years' follow-up] Spay G, et al.
Lyon Med 222:1055-60, 7 Dec 69 (Fre)
[Late hemopericardium after gunshot wound] Arcadio F, et al.
Med Leg Domm Corpor (Paris) 2:155, Apr-Jun 69 (Fre)
[Abdominal gunshot-injury with perforation of the Vena cava caudalis] Kronberger-Schönecker D, et al.
Dtsch Med J 22:150-2 concl, Mar 71 (Ger)
[Intrathoracic splenosis] Freise G, et al.
Med Klin 65:406-9, 27 Feb 70 (Ger)
[Extensive complications of a gunshot wound of the aorta with cardiac arrest] Krenz M, et al.
Thoraxchirurgie 17:173-6, Apr 69 (Ger)
[Pulmonary gunshot wounds and bronchial carcinoma] Schülke K. Thoraxchirurgie 17:523-4, Dec 69 (Ger)
[Gunshot foreign bodies in the lung and cicatrix carcinoma] Kurpat D, et al.
Zentralbl Chir 98:608-17, 1 May 71 (Ger)
[Migrating projectile--migrating complaints] Takács L.
Orv Hetil 112:806-8, 4 Apr 71 (Hun)
[Injury and its role in the incidence of some trophic diseases of the eye] Kal'fa SF.
Oftalmol Zh 25:420-4, 1970 (Rus)
[Some problems of suppurative infection of gunshot wounds] Lytkin MI, et al.
Vestn Khir 105:3-10, Nov 70 (Rus)
[Wound exhaustion and sepsis in gunshot wounds] Lisitsyn KM. Voen Med Zh 12:21-5, Dec 70 (Rus)
[Use of plastic surgery of the skin in treatment of gunshot-, and post-traumatic osteomyelitis] Petrov VI, et al. Voen Med Zh 11:24-6, Nov 70 (Rus)
[Bi-frontal leukotomy caused by fire-arm. Progress report on 2 patients surviving with moderate intellectual defect and mild changes in their affectivity] Jeri FR, et al.
Rev Neuropsiquiatr 33:271-85, Dec 70 (Spa)
[Testicular sarcoma as the consequence of a gunshot wound] Rill A. Lijec Vjesn 92:479-82, 1970 (Cro)

DIAGNOSIS

Bullet within the fourth ventricle. Case report. Sternbergh WC Jr, et al. J Neurosurg 34:805-7, Jun 71
Case for diagnosis. Finck PA.
Milit Med 135:409-10, May 70

HISTORY

The wound that killed Lincoln. (Lincoln A), Lattimer JK. Ill Med J 138:514-7, Nov 70
The book of accidents. Excerpt V: Firearms. Cone TE Jr. Pediatrics 46:810, Nov 70
The assassination of Reinhard Heydrich. (Heydrich R), Davis RA. Surg Gynecol Obstet 133:304-18, Aug 71

PATHOLOGY

A histological technique for forensic ballistics. Rolfe HC, et al. J Forensic Med 18:47-52, Apr-Jun 71
Injury by birdshot. Di Maio VJ, et al.
J Forensic Sci 15:396-402, Jul 70
Rapid detection of firearm discharge residues by atomic absorption and neutron activation analysis. Krishnan SS, et al. J Forensic Sci 16:144-51, Apr 71
A research concept for the interpretation of human missile wounds by the pathologist. Finck PA.
Milit Med 135:912-3, Oct 70

PHYSIOPATHOLOGY

[Certain physiological and biochemical disorders in gunshot wounds of organs of the abdominal cavity (experimental study)] Salamatin BN, et al.
Voen Med Zh 6:25-8, Jun 70 (Rus)

RADIOGRAPHY

Arteriography in arterial gunshot wounds. Girl J.
Acta Radiol [Diagn] (Stockh) 11:78-84, Jan 71
The radiology of missile head wounds. Adeloye A, et al.
Clin Radiol 22:312-20, Jul 71
Stereotactic localization of a facial foreign body. Case report. Horton CE, et al.
Plast Reconstr Surg 47:598-9, Jun 71
The tumbling bullet. A sign of retroperitoneal abscess. Mittelholzer E, et al. Radiology 97:625-7, Dec 70
[Gunbullet in the brain. Clinical contribution] Cambria S, et al. Minerva Neurochir 14:260-3, Apr-Sep 70 (Ita)
[Characteristics of the x-ray examination of the skeletomotor apparatus of patients and wounded with burns] Kurbatov AI. Voen Med Zh 1:35-8, Jan 71 (Rus)

SURGERY

Treatment of thoracoabdominal gunshot wounds in civilian practice. Experience with forty-four cases. Borja AR, et al. Am J Surg 121:580-2, May 71
Bullet transection of both carotid arteries. Delayed repair with recovery. Risley TS, et al.
Am J Surg 121:385-6, Apr 71
Stereotaxic localization of extracranial foreign bodies in the head. McFadden JT, et al.
Am Surg 37:353-6, Jun 71
The neurologically intact brain injured (2 degrees to missiles): an approach to treatment. Martin BF, et al.
Angiology 22:86-96, Feb 71
Complex penetrating hepatic wounds. Mays ET.
Ann Surg 173:421-8, Mar 71
Gunshot wounds of the heart. Changing patterns of surgical management. Beall AC Jr, et al.
Ann Thorac Surg 11:523-31, Jun 71
Twenty-two months' war surgery in Vietnam. Oglesby JE. Arch Surg 102:607-13, Jun 71
Removal of non-magnetic intraocular foreign bodies using the image intensifier. A case report. Anhalt EF, et al. Can J Ophthalmol 5:244-7, Jul 70
Gun-shot wound of abdomen (case P66).
Can Med Assoc J 103:1303-5, 5 Dec 70
Gun-shot wound of the face (case P36).
Can Med Assoc J 105:190-1, 24 Jul 71
Case report on a gun-shot wound. Serling HA.
J Am Podiatry Assoc 61:268-70, Jul 71
Gunshot fractures in civilian practice. An evaluation of the results of limited surgical treatment. Howland WS Jr, et al. J Bone Joint Surg [Am] 53:47-55, Jan 71
Long-bone defects due to missile injury. Moll JH, et al.
J Bone Joint Surg [Am] 52:835-6, Jun 70
Bullet within the fourth ventricle. Case report. Sternbergh WC Jr, et al. J Neurosurg 34:805-7, Jun 71
Early management of maxillofacial war injuries. Phillips RM. J Oral Surg 28:806-13, Nov 70
Management of massive thoraco-abdominal wall defect from close-range shotgun blast. Carrasquilla C, et al.
J Trauma 11:715-7, Aug 71
Early reconstruction of the elbow following severe trauma. Pollock WJ, et al. J Trauma 10:839-52, Oct 70
The treatment of penetrating injuries of the neck. Weil PH, et al. J Trauma 11:590-4, Jul 71
The management of acute penetrating abdominal trauma complicating term pregnancy. Wright JK, et al. J Trauma 11:87-9, Jan 71
Bilateral ureteroureterostomy after ileal conduit diversion. Dretler SP, et al. J Urol 105:365-7, Mar 71
Advances in the treatment of missile wounds of the brain. Jackson FE, et al. Nurs Times 67:819-21, 8 Jul 71
Successful management of an injury to the suprarenal inferior vena cava. Bricker DL, et al.
Surg Clin North Am 50:999-1002, Oct 70
The management of penetrating wounds of the neck. Weaver AW, et al.
Surg Gynecol Obstet 133:49-52, Jul 71
[Gunshot destruction of the lateral 3d of the face. Skin and bone reconstruction] Péri G, et al.
Ann Chir Plast 16:32-6, 1971 (Fre)
[Utilization of Dufourmentel's strip in reparation of a serious loss of jugal substance] Appaix A, et al.
J Fr Otorhinolaryngol 18:806-8, Dec 69 (Fre)
[Abdominal surgery in wartime. Experience with 170 civilians wounded in the Vietnam war] Adler E.
Bruns Beitr Klin Chir 218:499-517, Mar 71 (Ger)
[Suicidal two-cavity gunshot injuries] Nolte WJ, et al.
Chirurg 41:521-2, Nov 70 (Ger)
[Two rare gunshot injuries of the face and principles for their therapy] Gärtner F, et al.
DDZ 25:39-40 passim, Feb 71 (Ger)
[Neurosurgery of slaughter shots] Scharfetter F.
Monatsschr Unfallheilkd 73:425-33, Sep 70 (Ger)
[The indications for operation in splinter wounds of the lungs] Lick RF, et al.
Munch Med Wochenschr 113:554-7, 9 Apr 71 (Ger)
[Saving incurable patients through hemicorporectomy] Schweisheimer W.
Munch Med Wochenschr 113:1145-8, 27 Aug 71 (Ger)
[Osteoplasty in a large defect of the radius] Il'enkov SI.
Khirurgiia (Mosk) 46:132-3, Sep 70 (Rus)
[Surgical management of unusual penetrating wounds of the skull and brain] Korol' AP, et al.
Klin Khir 4:57-60, 1971 (Rus)
[Multiple combined injury of the heart and organs of the abdominal cavity] Zherebtsov SN.
Vestn Khir 106:109-10, Apr 71 (Rus)
[Gunshot wounds of the head in peacetime] Lebedev VV, et al. Voen Med Zh 1:24-7, Jan 71 (Rus)
[Gunshot femoral fractures] Dunjić S, et al.
Vojnosanit Pregl 28:149-50, Mar 71 (Cro)

THERAPY

Treatment of penetrating gunshot wounds of the chest. Experience with one hundred forty-five cases. Borja AR, et al. Am J Surg 122:81-4, Jul 71
The injuries and management of riot casualties admitted to the Belfast hospital wards, August to October, 1969. Robb JD, et al. Br J Surg 58:413-9, Jun 71
Use of centrifuge in the treatment of an intraventricular metallic foreign body. Technical note. Markham JW, et al. J Neurosurg 34:800-4, Jun 71
The management of shotgun wounds. Bell MJ.
J Trauma 11:522-7, Jun 71
Treatment of maxillofacial casualties in the Nigerian civil war. Awty MD, et al. Oral Surg 31:4-18, Jan 71
A comparison of the efficacy of pulsed mechanical lavage with that of rubber-bulb syringe irrigation in removal of debris from avulsive wounds. Green VA, et al. Oral Surg 32:158-64, Jul 71
The bacteria-removal efficiency of mechanical lavage and rubber-bulb syringe irrigation in contaminated avulsive wounds. Stewart JL, et al.
Oral Surg 37:842-8, Jun 71
[Treatment of gunshot injuries] Steinacher J.
Cosmetologica 19:15-7, 20 Jan 70 (Ger)
[Case of successful resuscitation in a gunshot wound of the chest and lungs with injuries to the mediastinum and left superior pulmonary vein] Chukhrienko DP, et al. Grudn Khir 12:110-1, Nov-Dec 70 (Rus)
[Principles of aid-station treatment of wounded with gunshot wound fractures] Dolinin VA, et al.
Voen Med Zh 10:18-22, Oct 70 (Rus)
[Rational tactics in therapy of closed craniocerebral wounds] Volobuev IuM, et al.
Voen Med Zh 1:30-2, Jan 71 (Rus)

VETERINARY

Thoracoabdominal missile wound in a dog. Grier RL, et al. J Am Vet Med Assoc 159:171-4, 15 Jul 71
Aortic occlusion caused by a bullet. Stauffer VD, et al.
J Am Vet Med Assoc 157:840-1, 15 Sep 70
Injury to the cervical spinal cord in the dog. Swaim SF, et al. J Am Vet Med Assoc 158:462-7, 15 Feb 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

WRIST (A1, A2)

Intraosseous ganglion of the scaphoid bone of the wrist. Case report. Kaplan EB.
Bull Hosp Joint Dis 32:50-3, Apr 71

Calcification of the triangular cartilage of the wrist. Spinner M. Bull Hosp Joint Dis 32:21-6, Apr 71

Paralysis of the intrinsic muscles of the hand secondary to lipoma in Guyon's tunnel. McFarland GB Jr, et al.
J Bone Joint Surg [Am] 53:375-6, Mar 71

Transfer of the brachioradialis to enhance wrist extension in spinal cord injury. Freehafer AA, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:80-5, 7 Nov 68

[Fatigue fractures of the capitate bone] Vizkelety T, et al. Ned Tijdschr Geneeskd 114:2156-7, 19 Dec 70 (Dut)

[Acrylic prosthesis in the treatment of pseudarthroses of the scaphoid and of osteomalacias of the semilunar bone (apropos of 7 cases between the age of 8 and 13)] Renard V, et al. Chirurgie 96:92-6, 1970 (Fre)

[Osteoid osteoma of the trapezoid] Verheugen P.
J Belge Rhumatol Med Phys 24:316-21, 1969 (Fre)

[Medicolegal problems raised by aseptic osteonecrosis of the semilunar bone (analysis of 32 cases of Kienbock's disease)] Arcadio F, et al.
Med Leg Domm Corpor (Paris) 4:186-8, Apr-Jun 71 (Fre)

[Case of bone cyst of the greater multangular bone] Kishimoto C.
Orthop Surg (Tokyo) 21:1116-9, Dec 70 (Jap)

[Scintigraphy of the joints] Husby G, et al.
Tidsskr Nor Laegeforen 91:1459-62, 10 Jul 71 (Nor)

[Pseudo-sarcomatous nodular fasciitis] Garrido Neves R, et al. An Bras Dermatol 45:305-16, Oct-Dec 70 (Spa)

ABNORMALITIES

The carpals in congenital malformation syndromes. Poznanski AK, et al.
Am J Roentgenol Radium Ther Nucl Med 112:443-59, Jul 71

Bipartite carpal navicular and the diagnostic problem of bone partition: a case report. Sherwin JM, et al.
J Trauma 11:440-3, May 71

[Unilateral complete aplasia of scaphoid bone] Maes HJ.
Fortschr Geb Roentgenstr Nuklearmed 109:397-8, Sep 68 (Ger)

[Marfan syndrome and retinopathia pigmentosa] Avedikian H.
Klin Monatsbl Augenheilkd 158:704-7, May 71 (Ger)

[On an unusual case of Madelung's deformity] Beltrami P, et al. Minerva Ortop 20:500-5, Oct 69 (Ita)

[Symphalangism with fused carpal bones] Yanagawa T, et al. Orthop Surg (Tokyo) 22:238-43, Mar 71 (Jap)

[Madelung's disease] Malowiejski J.
Chir Narzadow Ruchu Ortop Pol 36:263-6, 1971 (Pol)

ANATOMY & HISTOLOGY

[Os triangulare carpi] Sturm G.
Med Klin 65:569-70, 20 Mar 70 (Ger)

BLOOD SUPPLY

[Arterial pattern of the carpus] Hoshi S, et al.
Orthop Surg (Tokyo) 21:860-3, Oct 70 (Jap)

GROWTH & DEVELOPMENT

Associations between the rates of maturation of the bones of the hand-wrist. Roche AF.
Am J Phys Anthropol 33:341-8, Nov 70

Skeletal maturation of the hand and wrist in Jamaican children. Marshall WA, et al.
Hum Biol 42:419-35, Sep 70

INNERVATION

A report of two peripheral nerve tumors. Rosenthal HS.
Bull Hosp Joint Dis 32:75-9, Apr 71

The ulnar tunnel syndrome. Kleinert HE, et al.
Plast Reconstr Surg 47:21-4, Jan 71

[Carpal ganglion. Rectrospective study] Ohman U, et al. Nord Med 84:1380, 22 Oct 70 (Swe)

PATHOLOGY

[Clear-cell sarcoma of sheaths and tendons. Apropos of a case] Cammoun M, et al.
Arch Anat Pathol (Paris) 18:191-8, Sep 70 (Fre)

[Carpal lesion due to brucellosis] Aret WA.
Wiad Lek 23:1831-4, 15 Oct 70 (Pol)

[Pathological anatomy of ununited fractures and pseudarthrosis of the carpal navicular] Shelukhin NI, et al. Ortop Travmatol Protez 31:49-53, Nov 70 (Rus)

PHYSIOLOGY

Kinesiology of the wrist. Radonjic D, et al.
Am J Phys Med 50:57-71, Apr 71

Active resistive stretch and isometric exercise in strengthening wrist flexion in normal adults. Moore JC. Arch Phys Med Rehabil 52:264-9 passim, Jun 71

Tremor of the wrist induced by positive velocity feed-back. Walsh EG.
J Physiol (Lond) 207:16P17P, Mar 70

Synchronous bimanual movements performed by homologous and non-homologous muscles. Cohen L.
Percept Mot Skills 32:639-44, Apr 71

[Analysis of the movements of the carpal scaphoid bone during radial and cubital flexions of the wrist] Anthonis PC. Acta Anat (Basel) 78:107-16, 1971 (Fre)

[Functional analysis of human hand joint] Morisada C.
Orthop Surg (Tokyo) 21:858-60, Oct 70 (Jap)

PHYSIOPATHOLOGY

Wrist-driven prostheses for a bilateral partial-hand amputee. Dent L. Artif Limbs 14:81-2, Autumn 70

Sensory conduction from digit to palm and from palm to wrist in the carpal tunnel syndrome. Buchthal F, et al.
J Neurol Neurosurg Psychiatry 34:243-52, Jun 71

Oscillatory transients in the response to an abrupt change of force at the wrist in Parkinsonism. Walsh EG. J Physiol (Lond) 209:Suppl:33P+, Jul 70

[Posttraumatic carpal osteolysis following isolated fracture of the distal radius] Fischer E.
Fortschr Geb Roentgenstr Nuklearmed 112:541-2, Apr 70 (Ger)

RADIOGRAPHY

Skeletal and tooth development. A methodologic investigation. Lilliequist B, et al.
Acta Radiol [Diagn] (Stockh) 11:97-112, Mar 71

Arthrography of the rheumatoid wrist joint. Harrison MO, et al.
Am J Roentgenol Radium Ther Nucl Med 112:480-6, Jul 71

Assessing physical maturity by scores for change in skeletal appearance. Healy MJ. J Anat 107:180, Jul 70

Arthrographic studies of wrist ganglions. Andrén L, et al. J Bone Joint Surg [Am] 53:299-302, Mar 71

Age-sex specific prevalence of radiographic abnormalities of the joints of the hands, wrists and cervical spine of adult residents of the Tecumseh, Michigan, Community Health Study area, 1962-1965. Dodge HJ, et al. J Chronic Dis 23:151-9, Sep 70

Whipple's disease. Taylor PM, et al.
Proc R Soc Med 64:60-1, Jan 71

[Filling of lymph vessels during arthrography with positive contrast media] Haage H.
Fortschr Geb Roentgenstr Nuklearmed 112:485-98, Apr 70 (Ger)

[Synostoses in the carpal region, congenital or aquired?] Dreiack D, et al.
Z Orthop 108:461-8, Nov 70 (Ger)

[Radiological appearance in post-traumatic necrosis of the carpal bone] Palmia C, et al.
Ann Radiol Diagn (Bologna) 42:83-100, Jul 69 (Ita)

[Arthrography of the rheumatoid wrist. 1] Morotomi T, et al. Orthop Surg (Tokyo) 21:846-9, Oct 70 (Jap)

[Puberty and its indices in hand and wrist radiograms in boys from Warsaw schools] Rudziński BW.
Pediatr Pol 45:1447-61, Dec 70 (Pol)

SURGERY

Anterior surgical approach for resection of the trapezium. Kaplan EB.
Bull Hosp Joint Dis 31:178-87, Oct 70

Palmar-shelf arthroplasty of the wrist in rheumatoid arthritis. A report of nine cases. Albright JA, et al.
J Bone Joint Surg [Am] 52:896-906, Jul 70

[The Brand operation. Apropos of 12 personal cases] Bourrel P. Ann Chir Plast 13:297-304, Dec 68 (Fre)

[Arthrodesis of the wrist by intracarpal iliac graft] Debeyre J, et al. Presse Med 78:1993-4, 17 Oct 70 (Fre)

[Results of intracarpal arthrodesis in the treatment of semilunar bone necrosis] Fenollosa J, et al.
Rev Chir Orthop 56:745-54, Dec 70 (Fre)

[II. Orthopedic problems in the treatment of chronic polyarthritis. Arthroplasty of the elbow and wrist joints with homopastic fascia in patients with rheumatoid arthritis] Grischin IG.
Beitr Orthop Traumatol 17:745-8, Dec 70 (Ger)

[Partial wrist arthrodesis in lesions of the wrist] Ricklin P. Langenbecks Arch Chir 328:1-7, 1970 (Ger)

[Wrist operations in rheumatoid polyarthritis] Hellum C. Nord Med 85:385, 25 Mar 71 (Nor)

[Importance of wrist position in the development of finger deviations] Pahle JA, et al.
Nord Med 85:385-6, 25 Mar 71 (Nor)

[Compression screw-bolt for osteosynthesis of carpal bones] Anisimov VN.
Ortop Travmatol Protez 31:77-8, Apr 70 (Rus)

WRIST INJURIES (C14)

A follow-up study of wrist slashers. Nelson SH, et al.
Am J Psychiatry 127:1345-9, Apr 71

Anterior dislocation of the distal ulna without accompanying fracture of the ulnar styloid. Head RW.
Br J Radiol 44:468, Jun 71

Dorsal dislocation of the lesser multangular bone. Stein AH Jr. J Bone Joint Surg [Am] 53:377-9, Mar 71

The healing of fractures of the lower end of the radius. A histological and angiographic study. Sevitt S.
J Bone Joint Surg [Br] 53:519-31, Aug 71

[Childhood fractures of the scaphoid bone] Spišiák L, et al.
Acta Chir Orthop Traumatol Cech 38:91-3, 1971 (Cze)

[Fractures of the pyramidal bone. Study of 72 cases] Auffray Y. Acta Orthop Belg 36:313-45, May 70 (Fre)

[Osseous injuries of the wrist] Roy LP.
Laval Med 40:552-5, Jun 69 (Fre)

[A recent case of trapezium fracture] Cuilleret J, et al.
Lyon Med 221:1154 passim, 11 May 69 (Fre)

[Posterior luxation of the trapezium and the trapezoideum in a near-grown child, with anterior apophysis fracture of the trapezium, treated orthopedically] Fischer L, et al.
Lyon Med 222:556 passim, 12 Oct 69 (Fre)

[Fractures of the trapezium (considerations on a series of 7 personal cases and review of the literature] Neidhardt JH, et al.
Lyon Med 219:1049-64, 24 Mar 68 (Fre)

[An unusual traumatic lesion: luxation of the 1st metacarpal and the trapezium in the palm of the hand. Presentation of radiographies] Neidhardt JH, et al.
Lyon Med 222:553-6, 12 Oct 69 (Fre)

[Dorsal subluxation of os lunatum] Mangler KH, et al.
Beitr Orthop Traumatol 17:316-21, 1970 (Ger)

[Spontaneously healed navicular fractures of the hand] May E, et al.
Monatsschr Unfallheilkd 74:202-10, May 71 (Ger)

[The treatment of articular fractures of the wrist] Leonardi A. Minerva Ortop 21:209-16, Mar 70 (Ita)

[Pathological and clinical study on Kienboeck's disease] Inoue T.
J Jap Orthop Assoc 44:1035-61, Dec 70 (Jap)

[Case of single fracture of the cuneiform bone of the wrist with delayed healing] Funayama Y.
Orthop Surg (Tokyo) 21:1041-3, Nov 70 (Jap)

[Fracture of the carpus] Nagai N, et al.
Orthop Surg (Tokyo) 21:904-5, Oct 70 (Jap)

[2 cases of volar dislocation of carpometacarpal joint] Tomita K, et al.
Orthop Surg (Tokyo) 22:86-8, Jan 71 (Jap)

[Anterior peritriquetrolunaris dislocation in the wrist] Pizio Z, et al.
Chir Narzadow Ruchu Ortop Pol 36:169-73, 1971 (Pol)

[Subluxation of the scaphoid bones of the hand] Ashkenazi AI. Khirurgiia (Mosk) 46:70-6, Sep 70 (Rus)

[Isolated fracture of the pisiform bone] Lalanne BA.
Prensa Med Argent 57:1627-31, 23 Oct 70 (Spa)

COMPLICATIONS

[Habitual dislocation of the ulnar nerve as a predisposition of ulnar pareses] Müller I.
Acta Chir Orthop Traumatol Cech 37:291-3, Oct 70 (Cze)

[Importance of distal cubitectomy in the traumatic sequelae of the wrist and the forearm. Long term results] Wagner J, et al.
Acta Orthop Belg 35:835-48, Sep-Oct 69 (Fre)

[Lengthening of the ulna in the treatment of Kienböck's disease. Long-term results. Apropos of 10 cases] Sommelet J, et al.
Rev Chir Orthop 56:731-43, Dec 70 (Fre)

[Fractured os naviculare bipartitum of the left hand combined with os naviculare tripartitum of the right hand] Sasse W.
Monatsschr Unfallheilkd 72:31-4, Jan 69 (Ger)

[Radiological appearance in post-traumatic necrosis of the carpal bone] Palmia C, et al.
Ann Radiol Diagn (Bologna) 42:83-100, Jul 69 (Ita)

DIAGNOSIS

[Is the healing of malacia of the semilunar bone possible?] Andreesen R.
Monatsschr Unfallheilkd 73:493-502, Nov 70 (Ger)

ETIOLOGY

Soccer supporters' wrist. Sykes P.
Br Med J 3:706, 19 Sep 70

[Fracture due to fatigue of the os magnum] Vizkelety T, et al. Rev Chir Orthop 57:243-6, Apr-May 71 (Fre)

[Fractures of the carpal navicular bone, with special reference to clinical considerations on clinical aspects and analysis of the mechanism of fractures] Iketani M.
Nippon Ika Daigaku Zasshi 38:9-20, Feb 71 (Jap)

PATHOLOGY

[Pathological anatomy of ununited fractures and pseudarthrosis of the carpal navicular] Shelukhin NI, et al. Ortop Travmatol Protez 31:49-53, Nov 70 (Rus)

PHYSIOPATHOLOGY

Evaluation of strength of grip after wrist injury. Jacobs RL. Phys Ther 51:184-5, Feb 71

[Functional state of the nerves and muscles of the upper extremity in aseptic necrosis of the semilunar bone of the wrist (Kienboeck's disease)] Cherkasova TI, et al. Ortop Travmatol Protez 32:34-9, Apr 71 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

RADIOGRAPHY

Fracture of the carpal scaphoid in a child aged 4. Bloem JJ. Arch Chir Neerl 23:91-4, 1971
Bipartite carpal navicular and the diagnostic problem of bone partition: a case report. Sherwin JM, et al. J Trauma 11:440-3, May 71
[Lesions of the inferior radio-cubital joint in forearm and wrist injuries. Value of arthrography] Rieunau G, et al. Rev Chir Orthop 57:Suppl 1:253+, 1971 (Fre)
[Changes in the radiographic image of the adipose layer of the pronator quadratus muscle in wrist injuries] Bagliani G, et al.
Radiol Med (Torino) 55:447-56, May 69 (Ita)
[Diagnostic errors and treatment of fractures of the scaphoid bone] Shelukhin NI.
Khirurgiia (Mosk) 46:76-8, Sep 70 (Rus)

REHABILITATION

[Treatment of open associated injuries of the fingers and wrist] Eretskaia MF, et al.
Vestn Khir 104:63-8, Mar 70 (Rus)

SURGERY

[Late results in non-united carpal scaphoid fractures treated with bone peg] Agner O, et al.
Nord Med 84:1459-61, 12 Nov 70 (Dan)
[Arthrodesis of the wrist by intracarpal iliac graft] Debeyre J, et al. Presse Med 78:1993-4, 17 Oct 70 (Fre)
[Therapy and follow-up results of luxations of the os lunatum] Voorhoeve A.
Arch Orthop Unfallchir 71:1-5, 1971 (Ger)
[Atraumatic surgery in pseudarthrotic healed fractures of the navicular bone] Domack G.
Beitr Orthop Traumatol 17:251-2, Apr 70 (Ger)
[Extensor tendon injuries of the back of the hand and wrist] Brüchle H.
Monatsschr Unfallheilkd 73:503-9, Nov 70 (Ger)
[The use of Kirschner wire in fractures and pseudarthroses of the scaphoid bone] Kroener D.
Monatsschr Unfallheilkd 73:387-92, Apr 71 (Ger)
[Treatment of biosseous fractures of the 3rd distal segment of the forearm in children] Rosenholz U.
Friuli Med Suppl 8:1221+, Nov-Dec 68 (Ita)
[4 cases of old fracture of the navicular bone] Makino M, et al. Orthop Surg (Tokyo) 21:902-4, Oct 70 (Jap)
[Surgical treatment of ununited fractures of the navicular bone] Kovalenko VP.
Ortop Travmatol Protez 32:32-3, Apr 71 (Rus)
[Comparative evaluation of methods of surgical treatment of ununited fractures of the navicular bone] Shelukhin NI.
Ortop Travmatol Protez 32:30-2, Apr 71 (Rus)
[Compression osteosynthesis in fractures of the carpal scaphoid bone] Anisimov VN.
Vestn Khir 105:119-23, Sep 70 (Rus)
[Treatment of open associated injuries of the fingers and wrist] Eretskaia MF, et al.
Vestn Khir 104:63-8, Mar 70 (Rus)
[Rupture of all digital flexor tendons in the wrist] Levin LL. Vestn Khir 105:123, Sep 70 (Rus)
[Use of metallic osteosynthesis for treatment of open fractures of wrist and finger bones] Molodov PA, et al.
Voen Med Zh 7:15-7, Jul 70 (Rus)
[Osteosynthesis of pseudarthrosis of navicular bones with metallic screws] Molodov PA, et al.
Voen Med Zh 6:30-2, Jun 70 (Rus)
[Surgical treatment of poorly consolidated Colles' fractures] Mamana RO.
An Cir (Rosario) 35:2-7, Jan-Jun 70 (Spa)

THERAPY

Carpometacarpal dislocations on the ulnar side of the hand. Hsu JD, et al.
J Bone Joint Surg [Am] 52:927-30, Jul 70
[Remote results of treatment of perilunar dislocations of the hand and dislocations of the wrist semilunar bone] Oleshko NA, et al.
Ortop Travmatol Protez 32:27-30, Apr 71
[Perilunar dorsal luxation] Rettig H.
Dtsch Med Wochenschr 95:2307, 6 Nov 70 (Ger)
[Diagnostic errors and treatment of fractures of the scaphoid bone] Shelukhin NI.
Khirurgiia (Mosk) 46:76-8, Sep 70 (Rus)
[Treatment of isolated injuries of the distal radial-ulnar articulation] Reut NI, et al.
Ortop Travmatol Protez 32:55-6, Apr 71 (Rus)
[Conservative treatment of fractures of the carpal scaphoid bone] Shelukhin NI.
Vestn Khir 105:116-9, Sep 70 (Rus)

WRIST JOINT (A2)

Arthrography of the rheumatoid wrist joint. Harrison MO, et al.
Am J Roentgenol Radium Ther Nucl Med 112:480-6, Jul 71
Manipulation of the joints of the wrist. Mennell JM.
Physiotherapy 57:246-54, 10 Jun 71
Functional assessment of basal joint fusion of the thumb. Eiken O, et al.
Scand J Plast Reconstr Surg 4:122-5, 1970
[Antero-posterior subluxation of the carpal scaphoid] Deburge A, et al. Ann Chir 23:163-7, Feb 69 (Fre)
[Trapezo-metacarpian joint: biomechanical approach and ligament apparatus] De la Caffinière JY.
Arch Anat Pathol (Paris) 18:277-84, Dec 70 (Fre)
[Acroparesthesia of the upper limbs] Lubetzki D.
Cah Coll Med Hop Paris 9:1013-9, Nov 68 (Fre)
[Posterior luxation of the trapezium and the trapezoideum in a near-grown child, with anterior apophysis fracture of the trapezium, treated orthopedically] Fischer L, et al.
Lyon Med 222:556 passim, 12 Oct 69 (Fre)
[Occupational carpal lesions in South Moroccan miners] Thaureaux B.
Maroc Med 535:284-8, May 70 (Fre)
[Lesions of the inferior radio-cubital joint in forearm and wrist injuries. Value of arthrography] Rieunau G, et al. Rev Chir Orthop 57:Suppl 1:253+, 1971 (Fre)
[Case of tenosynovial osteochondroma originating at the tendon sheath of the ulnar-carpus] Kariya M, et al.
Orthop Surg (Tokyo) 21:891-2, Oct 70 (Jap)
[Case of distal ulnar nerve paralysis due to ganglion in a youth] Miwa M, et al.
Orthop Surg (Tokyo) 21:957-8, Oct 70 (Jap)
[Ganglion of the hand] Nishioka T, et al.
Orthop Surg (Tokyo) 21:889-90, Oct 70 (Jap)
[Ganglion of the hand] Nishiyama T, et al.
Orthop Surg (Tokyo) 21:1100-5, Dec 70 (Jap)
[Treatment of isolated injuries of the distal radial-ulnar articulation] Reut NI, et al.
Ortop Travmatol Protez 32:55-6, Apr 71 (Rus)

SURGERY

[Clinico-radiographic considerations on remote results of the removal of the lunate bone in Kienboecks disease] Vasciaveo F, et al.
Minerva Ortop 20:289-97, Jul-Aug 69 (Ita)

WRITING (L)

Modification of sentence writing by deaf children. Eachus T. Am Ann Deaf 116:29-43, Feb 71
The deaf writer in America from Colonial times to 1970. II. Panara RF. Am Ann Deaf 115:673-9, Nov 70
The news story can help students learn to write. Winkelman NL. Am Ann Deaf 116:20-4, Feb 71
Nurses as writers. Ciardi J.
Am J Nurs 70:2567-70, Dec 70
Writing objectives as a nursing practice skill. Smith DM. Am J Nurs 71:319-20, Feb 71
Reporting behavioral science data. Lubin B, et al.
Am J Psychiatry 127:1701-2, Jun 71
Every careless word that men utter. II. The language of science. DeBakey L.
Anesth Analg (Cleve) 49:827-34, Sep-Oct 70
Thoughts about medical writing. 3. The law. Roland CG.
Anesth Analg (Cleve) 50:150-1, Jan-Feb 71
Thoughts about medical writing. V. Metaphors. Roland CG. Anesth Analg (Cleve) 50:381-2, May-Jun 71
Thoughts about medical writing. II. Abbreviations. Roland CG. Anesth Analg (Cleve) 49:975-6, Nov-Dec 70
Thoughts about medical writing. I. Organization. Roland CG. Anesth Analg (Cleve) 49:846-7, Sep-Oct 70
Thoughts about medical writing. VI. Dammed up damnably. Roland CG.
Anesth Analg (Cleve) 50:544-5, Jul-Aug 71
How to read the drug literature--or any other organized collection of numbers from experiments. Schneiderman MA.
Anesth Analg (Cleve) 49:628-32, Jul-Aug 70
Science writers, physicians, an the public--ménage à trois. Page IH. Ann Intern Med 73:641-7, Oct 70
Organizing the scientific paper. Forscher BK, et al.
ASHA 12:494-7, Oct 70
"Reviewing our series, three cases only died". Raper AB. Bristol Med Chir J 85:77-80, Jul 70
So long as doctors have to think. Barzun J.
Bull NY Acad Med 47:229-35, Mar 71
Principles and methods of obscurantism. Kohn A.
CA 20:361-4, Nov-Dec 70
Scribes and scribblers. Thomson WA.
Community Health (Bristol) 2:189-92, Jan-Feb 71
An approach to the writing of research papers, theses, and reports. Von Fraunhofer JA.
Dent Pract Dent Rec 21:433-5, Aug 71
Scientists and science writers: concerns and proposed solutions. Grant RH, et al.
Fed Proc 30:816-26, May-Jun 71
A semanticist criticizes professional jargon. Hayakawa SI. Hosp Community Psychiatry 21:221, Jul 70
Written communication. Basic tool for hospital administrators. Freilich H.
Hosp Manage 109:31-2, Jun 70
California's health-in print. Daggett EL.
HSMHA Health Rep 86:3-7, Jan 71
Medical gobbledygook and writer's gookledygobb. DeBakey L. Ill Med J 139:614-7, Jun 71
Editorial. Readers, writers and editors.
J Can Dent Assoc 36:389, Nov 70
Self-disclosure in self-descriptive essays. Burhenne D, et al. J Consult Clin Psychol 35:409-13, Dec 70
Birth order of creative writers. Bliss WD.
J Individ Psychol 26:200-2, Nov 70
Can we cope with the 'literature explosion'? Selye H.
J Med (Basel) 1:3-8, 1970
Six honest serving men for medical writers. Asher R.
J Prosthet Dent 26:225-7, Aug 71
Male and female: a reversion to zoography. Ricketts HT. JAMA 215:1147-8, 15 Feb 71
The war of the words. Med J Aust 2:762, 24 Oct 70
Administrators judged by resumes they write. Witt J.
Mod Hosp 116:73, Jun 71
Follow these guidelines for writing a good resume. Witt J. Mod Hosp 117:64-5, Jul 71
To draw a new line. Hecht F.
N Engl J Med 283:1294-5, 3 Dec 70
Problem-oriented CPC's. Tisdale WA.
N Engl J Med 284:1273, 3 Jun 71
Self-help for the underpublished. Worthy EJ.
Nurs Outlook 19:546-7, Aug 71
How to defeat a discussant. Safirstein SL.
NY State J Med 70:2923-6, 1 Dec 70
Perceptual learning disabilities in blind children. Brodlie JF, et al. Percept Mot Skills 32:313-4, Feb 71
Mirror writing and hemiplegia. Paradowski W, et al. Percept Mot Skills 32:617-8, Apr 71
Directionality in four Bender-Gestalt figures. II. Weiss AA. Percept Mot Skills 32:412-4, Apr 71
Theodor Reik: letters to a student.
Psychoanal Rev 57:558-62, Winter 70
Writing. Heath GB. Vet Rec 88:569-73, 29 May 71
Some aphorisms on research and writing. Pitts RF.
Yale J Biol Med 43:331-6, Jun 71
[Author, are you able to write a summary?] Cesk Gastroenterol Vyz 24:279-90, Sep 70 (Cze)
[Temporal structuralization and disorders of spoken and written language] Ducassou C.
Rev Laryngol Otol Rhinol (Bord) 90:202-29, Mar-Apr 69 (Fre)
[Remarks on speaking and writing] Hellner H.
Med Klin 65:573-4, 20 Mar 70 (Ger)
[Remarks on speaking and writing] Knoche B.
Med Klin 65:1185, 12 Jun 70 (Ger)
[What functional capacity disorder causes spelling and reading problems?] Scheller M.
Nervenarzt 42:97-100, Feb 71 (Ger)
[Symptom choice and symptom change in a case of psychogenic writer's cramp] Dauner I, et al.
Prax Kinderpsychol Kinderpsychiatr 19:246-52, Oct 70 (Ger)
[(Diagnosis of legasthenia). The many-sided problems of reading disorders] Hofmann H.
Prax Kinderpsychol Kinderpsychiatr 19:25-6, Jan 70 (Ger)
[Is left-handedness linked with reading and spelling difficulties?] Notz I.
Prax Kinderpsychol Kinderpsychiatr 19:259-61, Oct 70 (Ger)
[Write less, illustrate more] Tripodi F.
Recent Progr Med (Roma) 46:600-5, Jun 69 (Ita)
[The 10 commandments of the physician writer] Hewitt RM. Rev Paul Med 77:80, Mar 71 (Por)
[Learn journalism from V. I. Lenin] (Lenin VI), Akodus IaI. Zdravookhr Ross Fed 14:11-4, Dec 70 (Rus)
[Transcendency of medical communication] Avendaño-Inestrillas J.
Prensa Med Mex 35:31-3, Jan-Feb 70 (Spa)
[How to prepare a medical article for publishing] Avendaño-Inestrillas J.
Prensa Med Mex 35:235-6, May-Jun 70 (Spa)

HISTORY

Literary style in American medical writing. A historica view. Blake JB. JAMA 16:77-80, 15 Apr 71
[Józef Oettinger and the origins of history of medicine in Poland, 1818-1895] (Oettinger J), Kapronczay K.
Orv Hetil 112:1053-5, 2 May 71 (Hun)

STANDARDS

Notes on the composition of scientific papers. Godden JO. Can J Surg 14:242-3, Jul 71
Have vitamins been forgotten? No, but good English has been. Susman MP. Med J Aust 1:718, 27 Mar 71
Oh that my enemy wound write a book. Sharpe WD.
NY State J Med 71:1974-6, 15 Aug 71

WUCHERERIA (B1)

Endemic filariasis in Thakurgaon, East Pakistan. Barry C, et al. Am J Trop Med Hyg 20:592-7, Jul 71
Susceptibility of Aedes (stegomyia) albopictus to infection with periodic Wuchereria bancrofti. Gubler DJ, et al. Bull Calcutta Sch Trop Med 18:41-3, Apr 70
Crowding effect on the growth of filarial larvae (Wuchereria bancrofti) inside the insect vector (Culex pipiens fatigans). Hati AK, et al.
Bull Calcutta Sch Trop Med 17:42-3, Apr 69
Filariasis without microfilaremia: a case report. Sullivan TJ 3d, et al. Milit Med 135:797-8, Sep 70
The distribution of larvae of Brugia malayi and Brugia pahangi in the flight muscle fibres of Aedes aegypti and Mansonia uniformis. Beckett EB, et al.
Parasitology 61:211-8, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Enhancement of the density of circulating microfilariae with diethylcarbamazine. Sullivan TJ, et al. Trans R Soc Trop Med Hyg 64:787-8, 1970
[A case of Wuchereria in the internal medicine clinic] Olefnikov NP, et al. Ter Arkh 42:94-5, Dec 70 (Rus)

CLASSIFICATION

An application of numerical methods to the systematics of microfilariae. Colless DH.
Ann Trop Med Parasitol 65:245-51, Jun 71

GROWTH & DEVELOPMENT

Development of Brugia pahangi in the jird, Meriones unguiculatus, with notes on infections in other rodents. Ash LR, et al. J Parasitol 56:962-8, Oct 70
Development of subperiodic Brugia malayi in the jird, Meriones unguiculatus, with notes on infections in other rodents. Ash LR, et al.
J Parasitol 56:969-73, Oct 70

IMMUNOLOGY

In vitro adhesion of eosinophils to infective larvae of Wuchereria bancrofti. Higashi GI, et al.
Immunology 19:65-83, Jul 70

ISOLATION & PURIFICATION

Mosquito-borne infections in Fiji. I. Filariasis in northern Fiji: epidemiological evidence regarding factors influencing the prevalence of microfilaraemia of Wuchereria bancrofti infections. Mataika JU, et al.
J Hyg (Camb) 69:273-86, Jun 71

WUCHERERIA INFECTIONS see under FILARIASIS

(C1)

X CHROMOSOME see under SEX CHROMOSOMES

(A11)

XANTHENES (D2)

Photo-sensitivity of oxidised cholesterol Black Lipid Membrane incorporated with acid and basic dyes. Verma SP. Biophysik 7:228-35, 1971
[Clopenthixol (AY-62021) in premedication; its indications in medicosurgical emergencies] Paradis B, et al. Laval Med 40:243-9, Mar 69 (Fre)

ADMINISTRATION & DOSAGE

Comparative efficacy of thiothixene capsules and concentrate in acutely schizophrenic patients. Goldstein BJ. Psychosomatics 11:434-7, Sep-Oct 70
[The effect of clopenthixol in swine] Tomicki Z, et al. Dtsch Tieraerztl Wochenschr 75:38-40, 15 Jan 68 (Ger)
[Studies on a new spasmoanalgetic agent Spasmo-Tropax in double-blind study] Baumann D. Med Welt 27:1148-9, 10 Jul 71 (Ger)
[The analgetic action of Tropax in double-blind studies] Holzwarth A, et al.
Z Allgemeinmed 47:866-7, 10 Jun 71 (Ger)
[109 cases of schistosomiasis mansoni treated with 1, 2, and 3 doses of Hycanthone by intramuscular route and their coprological evaluation during 6 months] Sandia OG, et al.
Rev Bras Malariol Doencas Trop 21:571-82, Jul-Sep 69 (Por)
[51 cases of schistosomiasis mansoni treated with 1, 2, and 3 oral doses of Hycanthone administered in the dosage of 3 mg-kg-day] Sandia OG, et al.
Rev Bras Malariol Doencas Trop 21:583-5, Jul-Sep 69 (Por)

ADVERSE EFFECTS

Massive gastric dilatation complicating hypotonic duodenography. A report of three cases. Gelfand DW, et al. Radiology 97:637-9, Dec 70
[Manifestations of hycanthone intolerance in the treatment of schistosomiasis mansoni] Cunha AS da, et al.
Rev Inst Med Trop Sao Paulo 13:213-22, May-Jun 71 (Por)

ANALYSIS

[Microcrystallographic and chemical identification of some new organic drugs with basic nitrogen atoms. VI] Yalçindag ON.
Turk Hij Tecr Biyol Derg 30:33-40, 1970 (Tur)

CHEMICAL SYNTHESIS

[New thioxanthene derivatives with central nervous activity] Fontanella L, et al.
Farmaco [Sci] 26:489-511, Jun 71 (Ita)

ISOLATION & PURIFICATION

The isolation of secalonic acid A from Aspergillus ochraceus cultured on rice. Yamazaki M, et al.
Chem Pharm Bull (Tokyo) 19:199-201, Jan 71

METABOLISM

Pharmacokinetic study of biliary excretion. 3. Comparison of excretion behavior in xanthene dyes, fluorescein and bromsulphthalein. Iga T, et al.
Chem Pharm Bull (Tokyo) 19:297-306, Feb 71
[Autoradiographic studies on the distribution of the thioxanthene derivative 14C-BP 400 in the rat brain] Eckert H, et al.
Arzneim Forsch 20:1712-6, Nov 70 (Ger)

PHARMACODYNAMICS

Comparative effects of glycopyrrolate, atropine sulfate and propantheline bromide on canine parietal cell ultrastructure. Posey EL Jr, et al.
Am J Dig Dis 15:1091-8, Dec 70
Comparative studies of the action of mirasan, lucanthone, hycanthone and niridazole against Schistosoma mansoni in mice. Foster R, et al.
Ann Trop Med Parasitol 65:45-58, Mar 71
Photodynamic action and bacterial protein synthesis. Chandra P, et al. Biophysik 7:212-6, 1971
Studies with the schistosomacide hycanthone: inhibition of macromolecular synthesis and its reversal. Wittner M, et al.
Exp Mol Pathol 14:124-33, Feb 71
Discriminant analysis of the drug-induced EEG changes by the use of an electronic frequency analyser. Ban T, et al. Jap J Pharmacol 21:279-82, Apr 71
Somatosensory evoked potential changes during thiothixene treatment in schizophrenic patients. Saletu B, et al. Psychopharmacologia 20:242-52, 1971
Hycanthone: a frameshift mutagen. Hartman PE, et al.
Science 172:1058-60, 4 Jun 71
Hycanthone resistance: development in Schistosoma mansoni. Rogers SH, et al. Science 172:1057-8, 4 Jun 71
[Pharmacological studies on psychotropic drugs especially the effects of thiothixene] Shibuya T, et al.
J Tokyo Med Coll 27:839-57, Nov 69 (Jap)

THERAPEUTIC USE

Psychopharmacology.
Acta Psychiatr Scand [Suppl] 217:53-8, 1970
Clinical observations on the therapeutic activity of flupentixol in the treatment of chronic schizophrenia. Dogliani P, et al. Arzneim Forsch 20:1126-40, Aug 70
Ocular effects of Pro-Banthine. Gokhale AM, et al.
Br J Ophthalmol 54:683-6, Oct 70
The treatment of carotid sinus syncope with propantheline. Palmer RA.
Can Med Assoc J 104:923-5, 22 May 71
Clinical trials of Hycanthone in the treatment of bilharziasis. Barry M. Cent Afr J Med Suppl:33-5, Jul 70
Hycanthone and lucanthone in the treatment of Bilharziasis. A clinical trial. Greenfield DH, et al.
Cent Afr J Med 16:265-9, Dec 70
Oxypertine and thiothixene in newly admitted schizophrenic patients. A further search for specific indications of antipsychotic drugs. Hollister LE, et al.
Clin Pharmacol Ther 12:531-8, May-Jun 71
The clinical effects of intramuscular thiothixene and trifluoperazine in chronic schizophrenia: a comparative study. Holden JM, et al.
Curr Ther Res 13:298-310, May 71
A comparison of hycanthone, niridazole and placebos in the treatment of Schistosomiasis Mansoni. Rees PH, et al. East Afr Med J 47:634-8, Dec 70
Giant rugal hypertrophy of stomach with protein loss and response to drug therapy. Roberts HJ.
Gut 11:980, Nov 70
Three months' experience with thiothixene. A useful new drug for schizophrenia. De Tata JC.
Hawaii Med J 30:174-7, May-Jun 71
Thiothixene in chronic schizophrenia. A clinical trial. Yilmaz AH. Hawaii Med J 30:178-82, May-Jun 71
A pilot study of thiothixene in anxiety neurosis. Kishore B, et al. J Indian Med Assoc 55:92-7, 1 Aug 70
Treatment of schistosomiasis mansoni with hycanthone in glucose-6-phosphate dehydrogenase deficiency in St. Lucia. Howell SB, et al.
Trans R Soc Trop Med Hyg 65:331-3, 1971
[Clinical trials of thiothixene, neuroleptic disinhibitor] Porot M, et al.
Ann Med Psychol (Paris) 2:618-23, Nov 70 (Fre)
[Methods applied to the study of antitussive drugs. A preparation with pimetixene base] Macquet V, et al.
Lille Med 14:Suppl 1:110-3, Feb 69 (Fre)
[Preliminary study concerning the treatment of chronic psychoses with Flupenthixol decanoate] Brasseur R. Praxis 60:1107-13, 17 Aug 71 (Fre)
[Clinical examination of Dolo-Tensilan in gynecology] Vogler H. Med Welt 51:2232-7, 26 Dec 70 (Ger)
[Clinical experiences with the new psychoactivator Deanxit (Melitracen and Flupenthixol)] Cermak I, et al. Praxis 60:757-62, 8 Jun 71 (Ger)
[On a new respiratory analeptic drug. (Clinical study in anesthesiology] Barusco G, et al.
Acta Anaesthesiol (Padova) 21:277-87, Mar-Apr 70 (Ita)
[Clinical observations on the therapeutic activity of clopenthixol in the psychiatric field] Andreani G, et al. G Psichiatr Neuropatol 98:505-20, 1970 (Ita)
[Clinical tests of the anxiolytic effect of clopenthixol in small doses] Bovi A.
G Psichiatr Neuropatol 98:521-8, 1970 (Ita)
[Controlled clinical study of the oral use of Ketosciliun in dyskinetic-spastic disorders of the digestive tract] Maduli S, et al.
Minerva Gastroenterol 16:94-8, Apr-Jun 70 (Ita)
[Flupenthixol in the treatment of chronic schizophrenia] Arnone A, et al.
Riv Sper Freniatr 94:351-74, 30 Apr 70 (Ita)
[Evaluation of BP-400, a preparation used in some skin diseases] Kostrzewa J.
Przegl Dermatol 57:779-84, Nov-Dec 70 (Pol)
[Thiothixene (navane) in treatment of apathic syndromes of schizophrenic origin] Strzyżewski W, et al. Psychiatr Pol 5:189-92, 1971 (Pol)
[Flupentixol (Fluanxol) in the treatment of apathic syndromes of schizophrenic origin] Strzyżewski W, et al. Psychiatr Pol 5:207-10, 1971 (Pol)
[Study of a new thioxanthene derivative in the treatment of psychoses] Mariz P, et al.
Hospital (Rio de J) 78:883-9, Sep 70 (Por)
[Use of hycanthone in the treatment of hepato-intestinal form of schistosomiasis mansoni. Clinical laboratory and electrocardiographic study] Almeida FM de, et al.
Rev Assoc Med Bras 16:315-20, Sep 70 (Por)
[Our experience with hycanthone (Etrenol) in schistosomiasis mansoni] Coutinho AD, et al.
Rev Inst Med Trop Sao Paulo 13:57-70, Jan-Feb 71 (Por)
[Treatment of acute cases of schistosomiasis mansoni with hycanthone] Oliveira CA de, et al.
Rev Inst Med Trop Sao Paulo 13:202-12, May-Jun 71 (Por)

XANTHINE OXIDASE (D9)

Xanthine oxidase for calibration of the oxygen electrode apparatus. Billiar RB, et al.
Anal Biochem 36:101-4, Jul 70
Multiple molecular forms of xanthine dehydrogenase and related enzymes. IV. The relationship of aldehyde oxidase to xanthine dehydrogenase. Collins JF, et al.
Biochem Genet 5:1-13, Feb 71
Studies on the mode of oxidation of pyrazolo(3,4-d)pyrimidine by aldehyde oxidase and xanthine oxidase. Johns DG, et al.
Biochem Pharmacol 18:2371-83, Oct 69
Reduction of niridazole by rat liver xanthine oxidase. Morita M, et al. Biochem Pharmacol 20:217-26, Jan 71
Xanthine oxidase-mediated oxidation of epinephrine. Valerino DM, et al.
Biochem Pharmacol 20:47-55, Jan 71
Oxidation of 7-azapteridines by mammalian xanthine oxidase. Bergmann F, et al.
Biochim Biophys Acta 222:191-6, 27 Oct 70
The regulation of rat liver xanthine oxidase: conversion of type D (dehydrogenase) into type O (oxidase) by a thermolabile factor, and reversibility by dithioerythritol. Stirpe F, et al.
Biochim Biophys Acta 212:195-7, 15 Jul 70
Quantitative aspects of the production of superoxide anion radical by milk xanthine oxidase. Fridovich I.
J Biol Chem 245:4053-7, 25 Aug 70
On the interaction of the electron acceptor 2,6-dichlorophenolindophenol with bovine milk xanthine oxidase. Gurtoo HL, et al.
J Biol Chem 246:286-93, 25 Jan 71
The frequency of reverse mutation at the XDH loci of Aspergillus nidulans. Hartley MJ.
Mutat Res 10:175-83, Sep 70
[Thermal control of the luminescence emitted by xanthine-oxidase] Sireix R, et al.
C R Acad Sci [D] (Paris) 272:740-2, 1 Feb 71 (Fre)
[Kinetic study of the role of molybdenum in the active center of xanthine oxidase] Kozachenko AI, et al.
Biokhimiia 36:27-32, Jan-Feb 71 (Rus)

ANALYSIS

Xanthine oxidase polymorphism in bovine milk. Zikakis JP, et al. J Dairy Sci 54:848-54, May 71
[Xanthine oxidase activity in the jejunal mucosa of gouty subjects] Riario-Sforza G, et al.
Atti Accad Fisiocrit Siena [Med Fis] 17:1106-8, 1968 (Ita)
[Some characteristics of the xanthine oxidase of rat liver] Ciccoli L, et al.
Boll Soc Ital Biol Sper 45:892-4, 31 May 69 (Ita)

ANTAGONISTS & INHIBITORS

Responses of the ischemic myocardium to allopurinol. DeWall RA, et al. Am Heart J 82:362-70, Sep 71
Reaction of formaldehyde and of methanol with xanthine oxidase. Pick FM, et al.
Eur J Biochem 18:65-72, 1 Jan 71

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

Oxidation of vanillin by cream xanthine oxidase and its inhibition by allopurinol. Fried R.
Experientia 27:173-5, 15 Feb 71

On the mechanism of inactivation of xanthine oxidase by cyanide. Massey V, et al.
J Biol Chem 245:6595-8, 25 Dec 70

Stoichiometric inhibition of reduced xanthine oxidase by hydroxypyrazolo [3,4-d]pyrimidines. Spector T, et al. J Biol Chem 245:5079-85, 10 Oct 70

Studies on the phosphate requirement for xanthine dehydrogenase activity. IV. Effect of sodium deoxycholate upon the enzyme. Mitidieri E, et al.
Rev Bras Biol 30:245-8, Jun 70

[Inhibition of xanthine oxidase by allopurinol (1 H-5 dihydro-4,5 pyrazolo (3,4-d)pyrimidinone-4) (study of the oxidation process and the effect of aminomethylation)] Kha Vang Thang, et al.
C R Acad Sci [D] (Paris) 272:639-42, 25 Jan 71 (Fre)

[Analysis of the hypo-uricemic action of benzbromarone in 40 cases of gouty and non-gouty hyperuricemia] Famaey JP, et al.
J Belge Rhumatol Med Phys 25:5-9, Jan-Feb 70 (Fre)

[A new uricemia-lowering agent: benziodarone. Its use in therapy of urate retention in the course of chronic renal insufficiency] Bossini A, et al.
Policlinico [Prat] 76:961-73, 28 Jul 69 (Ita)

[Effect of colchicine and allopurinol on uricogenesis. I. Kinetics of their inhibitory action on hepatic xanthine dehydrogenase] Escarmís C, et al.
Rev Esp Fisiol 26:109-19, Jun 70 (Spa)

[Effect of colchicine and allopurinol on uricogenesis. II. Effect of administration to chicks and mice] Escarmís C, et al. Rev Esp Fisiol 26:121-9, Jun 70 (Spa)

BIOSYNTHESIS

Synthesis of xanthine dehydrogenase in liver and pancreas of developing chicks. Lee PC, et al.
Dev Biol 25:149-58, May 71

METABOLISM

Xanthinuria: an additional case with demonstration of xanthine oxidase deficiency. Sperling O, et al.
Am J Clin Pathol 55:351-4, Mar 71

Regulation of xanthine dehydrogenase levels in liver and pancreas of the chick. Lee PC, et al.
Biochim Biophys Acta 237:14-20, 20 Apr 71

Comparative studies on liver and kidney xanthine dehydrogenase in two breeds of domestic chicks (Gallus domesticus) during prolonged starvation. Scholz RW. Comp Biochem Physiol 36:503-12, 1 Oct 70

The inhibition of reduction of tetrazolium by a protein liver. Fried R, et al. Eur J Biochem 16:399-406, Nov 70

Oxidation of vanillin by cream xanthine oxidase and its inhibition by allopurinol. Fried R.
Experientia 27:123-5, 15 Feb 71

Studies on the phosphate requirement for xanthine dehydrogenase activity. 3. Effect of phospholipase A upon the enzyme. Mitidieri E, et al.
Rev Bras Biol 30:75-9, Apr 70

[The role of xanthine oxidase in iron metabolism] Strohmeyer G, et al.
Z Gesamte Exp Med 155:74-86, 1971 (Ger)

[Determination of xanthine oxidase in tissue cultures, in tissue slices and in tumor cell suspensions] Lettré H, et al. Z Krebsforsch 74:368-75, 1970 (Ger)

[Relationship between the elevation of liver xanthine-oxidase, hyperuricemia and uricuria in gout] Ciccoli L, et al.
Reumatismo 21:277-8, Sep-Oct 69 (Ita)

[Effect of various hyperuriceming substances on liver xanthine oxidase in normal subjects] Marinello E, et al. Reumatismo 21:310-1, Sep-Oct 69 (Ita)

[Liver xanthine-oxidase in gout subjects] Marinello E, et al. Reumatismo 21:308-9, Sep-Oct 69 (Ita)

[Behavior of liver xanthine oxidase in the liver in hyperuricemic subjects after fructose loading] Riario-Sforza G, et al.
Reumatismo 21:322-3, Sep-Oct 69 (Ita)

[Toxic action of furfurol with different frequencies of administration] Tiunov LA, et al.
Biull Eksp Biol Med 70:29-30, Sep 70 (Rus)

XANTHINES (D2)

A simplified and modified methyl green pyronin stain. Elias JM. Am J Clin Pathol 56:254, Aug 71

Interaction of polyadenylic acid with methylated xanthines. Davies RJ, et al. Biopolymers 10:21-33, 1971

The xanthines: caffeine, theophylline, and theobromine. Gurney BF. Dent Dig 77:352-5, Jun 71

8-azatheophylline and its derivatives as coronary vasodilators. Bariana DS. J Med Chem 14:543-5, Jun 71

Effect of structural similarity on molecular interaction in aqueous solution. Interaction of phenazine and tetramethylpyrimidopteridinetetrone with alkylxanthines and benzene derivatives. Kakemi K, et al. J Pharm Sci 59:1597-601, Nov 70

Complexes of ergot alkaloids and derivatives. IV. Investigations into the nature of ergot alkaloid--xanthine complexes. Maulding HV, et al.
J Pharm Sci 59:1673-5, Nov 70

pKa determinations utilizing solutions of 7-(2-hydroxypropyl)theophylline. Maulding HV, et al.
J Pharm Sci 60:309-11, Feb 71

Enzymatic microestimation of free and combined adenine in tissues. Manoukian E, et al.
Z Klin Chem Klin Biochem 8:599-601, Nov 70

[Thermal dissociation in several stages of polyxanthylic acid] Bachner L, et al.
C R Acad Sci [D] (Paris) 272:2965-8, 7 Jun 71 (Fre)

[Reaction mechanism in drug analysis. IV. Reaction of xanthine derivatives with hydrogen peroxide and hydrochloric acid] Kigasawa K, et al.
J Pharm Soc Jap 90:1396-9, Nov 70 (Jap)

ADMINISTRATION & DOSAGE

A clinical trial of navane. Halpern B, et al.
Isr Ann Psychiatry 8:87-93, Apr 70

[Experiences with depot form flupenthixol] Bruck J, et al. Wien Med Wochenschr 121:110-2, 13 Feb 71 (Ger)

[Pharmacological activity of some 8-diethylaminomethyl N-methylated xanthines and hypoxanthines] Liberman SS, et al.
Farmakol Toksikol 33:586-90, Sep-Oct 70 (Rus)

CHEMICAL SYNTHESIS

[Synthesis and properties of thioxantheno-1,4-diazepinon-1,8,8-trioxides] Eiden F, et al.
Arch Pharm (Weinheim) 304:317-25, May 71 (Ger)

METABOLISM

The effect of allopurinol on the excretion of oxypurines by the chick. Weir E, et al.
Biochim Biophys Acta 222:556-7, 24 Nov 70

Conversion of 5' xanthylic acid to guanine and guanine nucleotides by a mutant of Brevibacterium ammoniagenes. Furuya A, et al.
Biotechnol Bioeng 13:229-40, Mar 71

PHARMACODYNAMICS

Cyclic AMP and adrenergic receptors in melanophore responses to methylxanthines. Goldman JM, et al.
Eur J Pharmacol 12:365-70, 1970

Immunosuppressive activity of the oncogenic purine derivative 3-hydroxyxanthine. Teller MN, et al.
Isr J Med Sci 7:66-71, Jan 71

Effects of xanthine derivatives on lipolysis and on adenosine 3',5'-monophosphate phosphodiesterase activity. Beavo JA, et al.
Mol Pharmacol 6:597-603, Nov 70

The antinociceptive and anti-exudative action of a xanthine oxidase inhibitor (allopurinol) and of xanthine. Jaques R, et al. Pharmacology 5:49-54, 1971

[The effect of 1-(5'-oxohexyl)-3,7-dimethylxanthine on heart rate following administration of propranolol and adenosine] Popendiker K.
Arzneim Forsch 20:1485-8, Oct 70 (Ger)

[Cellular bases of the positive inotropic effect of cardiac glycosides, catecholamines and methylxanthines] Krebs R.
Hippokrates 41:354-65, Sep 70 (Ger)

[Effect of various hyperuriceming substances on liver xanthine oxidase in normal subjects] Marinello E, et al. Reumatismo 21:310-1, Sep-Oct 69 (Ita)

RADIATION EFFECTS

Oscillatory behaviour of enzymic reactions: a new phenomenon. Comorosan S, et al.
Enzymologia 38:317-28, 30 Jun 70

THERAPEUTIC USE

Clinical trials of hycanthone (etrenol) in urinary tract bilharziasis. Rubidge CJ, et al.
S Afr Med J 44:1246, 31 Oct 70

[Nonsteroid drug therapy of atopy] Lecomte J.
Rev Med Liege 25:Suppl 1:141+, Dec 70 (Fre)

[Treatment of hearing disorders using Cosaldon retard] Schwerdtfeger F.
Dtsch Med J 22:87-92, 5 Feb 71 (Ger)

[Vasoactive treatment of arterial circulation disorders with 1-(5'-oxohexyl)-3,7-dimethylxanthine (BL 191)] Baumann JC, et al.
Med Welt 33:1288-92, 21 Aug 71 (Ger)

[Value of drugs acting on the smooth musculature by direct and indirect routes in therapy of vascular diseases] Labò G, et al.
Cardiol Prat 22:1-9, Feb 71 (Ita)

[Peripheral vasculopathies and some metabolic disorders in the aged. Effectiveness of xanthinol-nicotinate therapy] Martinelli V, et al.
G Gerontol 18:661-7, Jul 70 (Ita)

[Indications of the use of xanthinol-nicotinate as complementary therapy in medico-surgical treatment of phlebopathies of the lower limbs in the aged] Montori A, et al. G Gerontol 18:669-78, Jul 70 (Ita)

[Studies on the use of BP400 Sandoz in allergic dermatoses] Bogdaszewska-Czabanowska, et al.
Przegl Dermatol 58:37-42, Jan-Feb 71 (Pol)

TOXICITY

[Acute and semi-chronic toxicity of various xanthine combinations] Büttig K.
Arzneim Forsch 21:354-6, Mar 71 (Ger)

[Pharmacology of the derivatives of 6,8-dimethylimidazoline(1,2-f) xanthine] Vlasov VV, et al. Farmakol Toksikol 33:582-6, Sep-Oct 70 (Rus)

URINE

Xanthinuria discovered in population screening. Curnow DH, et al. Br Med J 1:403, 13 Feb 71

Alternate treatment for xanthinuria. Blass DC.
N Engl J Med 283:1225, 26 Nov 70

XANTHOMA, JUVENILE (C12)

DIAGNOSIS

[An unusual type of cutaneous mastocytosis] Everard C.
Arch Belg Dermatol Syphiligr 26:591, Oct-Dec 70 (Fre)

XANTHOMATOSIS (C12)

The clinical significance of cutaneous xanthomas. Fleischmajer R, et al.
Postgrad Med J 46:671-7, Nov 70 (20 ref.)

Familial pseudohypertrophy of tendo-achillis with multisystem disease. Hughes JD, et al.
South Med J 64:311-6, Mar 71

[Multiple xanthoma of the face] Merklen FP, et al.
Bull Soc Fr Dermatol Syphiligr 77:890, 1970 (Fre)

[Limited xanthogranuloma of the lung. Exeresis of 2 foci. Structural and chemical study] Parrot R, et al.
J Fr Med Chir Thorac 25:391-7, May-Jun 71 (Fre)

[Xanthelasma palpebrarum. Histochemical observations] Peifini C, et al.
Boll Soc Ital Biol Sper 46:192-4, 28 Feb 70 (Ita)

[A case of Van Bogaert-Sherer-Epstein disease] Galizioli E. Pathologica 59:563-72, Nov-Dec 67 (Ita)

[2 clinical cases of an osseous form of chronic xanthomatosis (Hand-Schueller-Christian syndrome)] Babior SN.
Vestn Oftalmol 2:87-9, 1971 (Rus)

[Manifestation of xanthomatosis in the nose area] Giliarovskaia GB, et al.
Vestn Otorinolaringol 32:107-8, Jul-Aug 70 (Rus)

[Xanthogranulomatous pyelonephritis. Apropos of 2 cases] Rivero Puente A, et al.
Rev Clin Esp 121:197-202, 30 Apr 71 (Spa)

BLOOD

[Serum estrogens and androgens in xanthomatous familial hypercholesteremia] Noiret R.
Atherosclerosis 12:97-106, Jul-Aug 70 (Fre)

[Eruptive xanthoma with considerable lipemia] Massé R, et al.
Bull Soc Fr Dermatol Syphiligr 76:140-2, 1969 (Fre)

CLASSIFICATION

[Behavior of lipoproteins in xanthomatoses] Fanta D, et al. Wien Klin Wochenschr 83:313-8, 7 May 71 (Ger)

COMPLICATIONS

Acquired supravalvular aortic stenosis in familial hypercholesterolemia. A hemodynamic and angiocardiographic study. Wennevold A, et al.
Am J Med 50:823-7, Jun 71

Xanthomatosis, associated with multiple myeloma. Moschella SL. Arch Dermatol 102:121-3, Jul 70

A case of essential hypercholesterolaemic xanthomatosis with myocardial infarction. Venugopal NS, et al. Indian Heart J 22:47-52, Jan 70

Familial xanthelasma, hyperlipidemia and multiple myeloma. Sawkar LA.
J Assoc Physicians India 19:329-34, Apr 71

Evidence for the chylomicron origin of lipids accumulating in diabetic eruptive xanthomas: a correlative lipid biochemical, histochemical, and electron microscopic study. Parker F, et al.
J Clin Invest 49:2172-87, Dec 70

Xanthomatosis associated with hyperlipoproteinemia. Parker F, et al.
J Invest Dermatol 55:71-88, Aug 70 (81 ref.)

Xanthogranulomatous pyelonephritis: a comprehensive review with report of 4 additional cases. Anhalt MA, et al. J Urol 105:10-7, Jan 71

Xanthomatosis, hyperlipoproteinaemia (type II, Fredrickson), gout, cardiac infarction. Storey GO.
Proc R Soc Med 64:59-60, Jan 71

[Cutaneous and tendinous forms of hypercholesterolemic xanthomatosis. Clinical biologic and genetic study of 11 cases] Gennes JL de, et al. Atherosclerosis 13:147-69, Mar-Apr 71 (Fre)

[Multiple xanthomata, hypopituitarism and embryonal hypophyseal tumor (Rathke's pouch cyst)] Verdy M, et al. Can Med Assoc J 103:947-51, 24 Oct 70 (Fre)

[Mitral and aortic valve diseases and multiple myocardial infarcts in a case of hypercholesteremic

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

xanthomatosis. Anatomo-clinical description] Sanguinetti M, et al.
Minerva Med 62:2420-30, 16 Jun 71 (Ita)
[Xanthogranulomatous pyelonephritis] Rañada JF, et al. Rev Clin Esp 118:175-8, 31 Jul 70 (Spa)

DIAGNOSIS

[Xanthogranulomatosis of the choroid] Rouchy E, et al.
Arch Ophtalmol (Paris) 30:855-60, Dec 70 (Fre)

DRUG THERAPY

[Treatment of hyperlipidemias with para-chlorphenoxyisobutyric acid (Regardin)] Bruns W, et al.
Dtsch Gesundheitsw 26:359-61, 18 Feb 71 (Ger)
[Treatment of xanthomas in hypercholesteremia] Zollner N, et al. Hautarzt 21:443-5, Oct 70 (Ger)
[Therapy of xanthomatous biliary cirrhosis] Hinz G.
Ther Ggw 109:1128 passim, Aug 70 (Ger)

ETIOLOGY

Xanthoma diabeticorum: eruptive xanthoma and diabetes mellitus. Horowitz DC, et al.
J Am Osteopath Assoc 69:1225-30, Aug 70
Xanthomatosis secondary to lymphoedema. Hunter JA, et al. Trans St Johns Hosp Dermatol Soc 56:143-8, 1970
[Type IV hyperlipoproteinemia in a female diabetic] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 78:74-6, 1971 (Fre)
[Xanthoma during mycosis fungoides] Degos R, et al.
Bull Soc Fr Dermatol Syphiligr 77:758-9, 1970 (Fre)
[Hyperlipemic xanthomatosis induced by carbohydrates in a diabetic subject (its relation to Fredrickson's hyperlipemia type 3] Privat Y, et al.
Bull Soc Fr Dermatol Syphiligr 76:186-9, 1969 (Fre)
[Xanthoma and malignant reticulosis] Winkelmann RK, et al. Hautarzt 20:550-5, Dec 69 (Ger)

FAMILIAL & GENETIC

Heredity in primary hyper-beta-lipoproteinemia with concomitant xanthomata. Report on three kindreds with presumably six homozygotes. Polano MK, et al.
Acta Med Scand 188:397-401, Nov 70
Wolman's disease. Barson AJ.
Arch Dis Child 45:710, Oct 70
Deficiency of acid esterase activity in Wolman's disease. Young EP, et al.
Arch Dis Child 45:664-8, Oct 70
A case of Wolman's disease. Wallis K, et al.
Helv Paediatr Acta 26:98-111, Apr 71
Wolman's disease with hypolipoproteinemia and acanthocytosis: clinical and biochemical observations. Eto Y, et al. J Pediatr 77:862-7, Nov 70
Wolman's disease. Philippart M.
J Pediatr 79:173-4, Jul 71
[Familial hypercholesterolemia and coronary cardiopathy. Study of 2 families] Gibert-Queralto J, et al. Acta Cardiol (Brux) 25:69-76, 1970 (Fre)
[Study of a case of familial hypercholesterolemic xanthomatosis, pseudo-tumoral in form, with hyperalphalipoproteinemia] Buligesco L, et al.
Acta Clin Belg 24:276-86, 1969 (Fre)
[Wolman's disease: anatomo-clinical study of a recent case with absence of radiologic and macroscopic adrenal calcifications] Leclerc JL, et al.
Laval Med 42:461-7, May 71 (Fre)
[Wolman's disease] Chevrel B.
Rev Med Chir Mal Foie 45:177-8, 1970 (Fre)
[Familial aspects of xanthomatosis] Oriente Biondi C.
G Ital Dermatol 44:412-8, Aug 69 (Ita)

IMMUNOLOGY

[Xanthomatosis and dysglobulinemia] Bazex A, et al.
Bull Soc Fr Dermatol Syphiligr 77:607-20, 1970 (Fre)

METABOLISM

Diffuse normolipemic xanthomatosis. White H.
Arch Dermatol 102:121, Jul 70
Subcellular distribution of cerebral cholestanol in cerebrotendinous xanthomatosis. Stahl WL, et al.
J Neurochem 18:403-13, Mar 71

PATHOLOGY

Fine structure of xanthelasma of the stomach. Takebayashi S. Acta Pathol Jap 20:357-63, Aug 70
Xanthomatous tumour of the lung with identification of lipid content. Long FL, et al.
Australas Ann Med 19:362-5, Nov 70
Verruciform xanthoma. Shafer WG.
Oral Surg 37:784-9, Jun 71
Infantile xanthomatous cardiomyopathy. MacMahon HE. Pediatrics 48:312-5, Aug 71

RADIOGRAPHY

A case of type 3 hyperlipoproteinemia with xanthomata. Weintrob L. Br J Radiol 44:215-8, Mar 71
Xanthogranulomatous pyelonephritis--radiologic considerations. Strasberg Z, et al.
J Can Assoc Radiol 21:173-7, Sep 70
Roentgenological evaluation of Achilles-tendon xanthomatosis. Gattereau A, et al.
Lancet 2:705-6, 25 Sep 71

XANTHOMONAS (B3)

Amino acid analysis of the coat protein of the filamentous bacterial virus xf from Xanthomonas oryzae. Lin JY, et al. Virology 45:38-41, Jul 71

ANALYSIS

[Xanthomonas pruni--agent of fruit bacteriosis in the Kuban region] Samus' TM.
Mikrobiol Zh 32:751-5, Nov-Dec 70 (Ukr)

ENZYMOLOGY

Regulation of tryptophan pyrrolase activity in Xanthomonas pruni. Wagner C, et al.
J Bacteriol 104:90-7, Oct 70

ISOLATION & PURIFICATION

Selective media for isolation of Agrobacterium, Corynebacterium, Erwinia, Pseudomonas, and Xanthomonas. Kado CI, et al.
Phytopathology 60:969-76, Jun 70
[Agents of new cucumber bacterioses] Korobko AP.
Mikrobiol Zh 33:46-53, 1971 (Ukr)

XANTHOPHYLL (D10)

ANALYSIS

Carotene and xanthophylls in mycobacteria. I. Technical procedures; thin-layer chromatographic patterns of mycobacterial pigments. Tárnok I, et al.
Tubercle 51:305-12, Sep 70
Carotenes and xanthophylls in mycobacteria. II. Lycopene, alpha- and beta-carotene and xanthophyll in mycobacterial pigments. Tárnok I, et al.
Tubercle 52:127-35, Jun 71
[The carotenoid pattern and the occurrence of the light-induced xanthophyll cycle in various classes of algae. V. A few members of Cryptophyceae] Hager A, et al. Arch Mikrobiol 73:77-89, 1970 (Ger)
[Fractional separation of the biosynthesis centers of chlorophylls a and b and lutein using desoxycholate] Shlyk AA, et al.
Dokl Akad Nauk SSSR 194:448-51, 1970 (Rus)

METABOLISM

[The carotenoid pattern and the occurrence of the light-induced xanthophyll cycle in various classes of algae. VI. Chemosystematic study] Stransky H, et al.
Arch Mikrobiol 73:315-23, 1970 (Ger)

XANTHOPTERIN (D10, D11)

ANALYSIS

[Fluorescent substances in the skin of Palomena prasina L. II. Identification of xanthopterin] Parisi G, et al. Boll Soc Ital Biol Sper 46:207-8, 28 Feb 70 (Ita)

PHARMACODYNAMICS

Effect of isozanthopterin on the activity of transforming DNA in Bacillus subtilis. Smith J, et al.
Nature [New Biol] 229:217-8, 17 Feb 71

XANTHURENATES (D2)

-electronic structures of tryptophan metabolites. II. 2-Aminoacetophenone, xanthurenic acid, cinnabarinic acid and related compounds. Tanaka H, et al. Wakayama Med Rep 14:113-9, Jan 71

PHARMACODYNAMICS

A possible diabetogenic role for tryptophan metabolites and effects of xanthurenic acid on insulin. Kotake Y, et al. Am J Clin Nutr 24:826-9, Jul 71

THERAPEUTIC USE

[Chemico-clinical evaluation of Gabob in schizophrenic patients] Colucci D'Amato F.
Osp Psichiatr 38:377-81, Jul-Sep 70 (Ita)

URINE

Relationships between excretion of steroid hormones and tryptophan metabolites in patients with breast cancer. Bell EM, et al. Am J Clin Nutr 24:894-8, Jun 71
Vitamin B 6 metabolism in users of oral contraceptive agents. I. Abnormal urinary xanthurenic acid excretion and its correction by pyridoxine. Lubby AL, et al. Am J Clin Nutr 24:884-93, Jun 71
The role of tryptophan pyrrolase adaptation in the excretion of xanthurenic acid by rats deficient in vitamin B 6. Milholland RJ, et al.
Am J Clin Nutr 24:740-6, Jun 71
Method for quantitative measurement of xanthurenic acid in urine. Wallace MJ, et al.
Clin Chem 17:505-11, Jun 71
Pyridoxine and oral contraceptives. Luhby AL, et al.
Lancet 2:1083, 21 Nov 70
Excretion of kynurenic acid and xanthurenic acid during infection. Shaw RC, et al.
Pediatrics 47:47-56, Jan 71
[Chronic urticaria and vitamin B6 dependent disorders in tryptophan metabolism] Knapp A, et al.
Dermatol Monatsschr 156:175-83, 1970 (Ger)
[Urinary excretion of metabolites of the tryptophan-nicotinic acid line after repeated tryptophan load] Mainardi L, et al.
Acta Vitaminol Enzymol (Milano) 24:15-9, 1970 (Ita)
[Effects of corticosteroid treatment repeated at short intervals on tryptophan-nicotinic acid pathway in man] Pasquariello G, et al.
Acta Vitaminol Enzymol (Milano) 24:11-4, 1970 (Ita)
[Pyridoxinuria and xanthurenuria in rabbits treated with parenteral administration of large doses of nicotinamide] Spisni D, et al.
Boll Soc Ital Biol Sper 46:206-7, 28 Feb 70 (Ita)
[Urinary excretion of xanthurenic acid in children with untreated phenylketonuria] Losiowski Z.
Pediatr Pol 46:711-7, Jun 71 (Pol)
[Excretion of 5-oxiindolacetic acid and xanthurenic acid in diabetes mellitus] Geller LI, et al.
Probl Endokrinol (Mosk) 16:30-4, May-Jun 70 (Rus)

XENON (D1)

Intraocular pressure variation during xenon and ruby laser photocoagulation. Fraunfelder FT, et al.
Am J Ophthalmol 71:1261-6, Jun 71
Regional cerebral blood flow measurement with xenon 133 and the scinticamera. Torizuka K, et al.
Am J Roentgenol Radium Ther Nucl Med 112:691-700, Aug 71
The disposal of radioactive xenon waste. Klein RC, et al. Am Rev Resp Dis 103:118-9, Jan 71
Muscle blood flow during exercise in normal man studied by the 133Xenon clearance method. Clausen JP, et al. Cardiovasc Res 5:245-54, Apr 71
K-shell fluorescence for the study of regional cerebral blood flow. Moody RA, et al.
J Neurosurg 35:181-4, Aug 71
Ventilation and perfusion after transplantation of the lung. Studies with intravenous xenon-133. Hutchin P, et al. J Thorac Cardiovasc Surg 61:476-86, Mar 71
XE133-radiospirometry for evaluation of congenital malformations of pulmonary arteries. Arborelius M Jr, et al. Pediatrics 47:529-36, Mar 71
The handling of xenon-133 in clinical studies. LeBlanc AD, et al. Phys Med Biol 16:105-9, Jan 71
Pulmonary function studies using radio-isotope xenon-133. Holloway R, et al.
S Afr Med J 44:1240-4, 31 Oct 70
Simplified mobile equipment for 133Xe-radiospirometry. Arborelius M Jr, et al.
Scand J Clin Lab Invest 26:125-8, Sep 70
Comparison of 133 Xenon radiospirometry with moving detectors and bronchospirometry. Korhonen O, et al.
Scand J Resp Dis 52:63-6, 1971
Studies of nutrient blood flow of the dog liver as measured by 133xenon. Duwe SA, et al.
Surg Forum 21:376-8, 1970
Estimation of pulmonary shunt blood flow by constant infusion of radioactive xenon. Massey WH, et al.
Surg Forum 21:203-5, 1970
Prediction of tissue loss in human frostbite with xenon-133. Sumner DS, et al.
Surgery 69:899-903, Jun 71
[Measurement of blood flow in active muscles by means of 133 xenon] Pirnay F, et al.
Arch Int Physiol Biochim 79:181-2, Jan 71 (Fre)
[Pulmonary exploration by means of radioactive gases] Besombes JP, et al.
J Fr Med Chir Thorac 24:657-78, Sep-Oct 70 (Fre)
[Influence of the physical properties of respiratory gases upon the outflow system in the airways] Bargeton D, et al.
J Physiol (Paris) 1:Suppl 1:85, 1969 (Fre)
[Evaluation of the method of cardiac output measurement by continuous perfusion of radioactive diffusible indicator] Keromes A, et al.
J Physiol (Paris) 62:Suppl 3:393-4, 1970 (Fre)
[Radioactive xenon test in vascular diseases of the lower limbs] Dugois P, et al.
Lyon Med 225:647, 11 Apr 71 (Fre)
[Use of radioactive xenon in evaluation of regional pulmonary function in patients with interstitial pulmonary edema] Ruff F, et al.
Union Med Can 100:496-500, Mar 71 (Fre)
[Effect of benzyclane on blood circulation of the human calf muscle in the acute test using the 133-Xe tissue clearance method] Debröczi T, et al.
Arzneim Forsch 20:Suppl 10a:1412+, Oct 70 (Ger)
[Blood flow determinations in the long dorsal muscle (m. longissimus) of swine using Xenon-133] Giese W,

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

et al.
Dtsch Tieraerztl Wochenschr 77:806-9, 1 Dec 70 (Ger)
[Comparison of the determination of the renal blood flow using radioxenon with other clinical parameters] Buchali K, et al.
Radiobiol Radiother (Berl) 11:295-8, 1970 (Ger)
[1st results of nuclear medical respiratory function diagnosis] Riccabona G, et al.
Wien Klin Wochenschr 82:765-9, 18 Oct 70 (Ger)
[Comparative study of the physical and biochemical changes of tissues and intraocular fluids induced by laser photocoagulation and xenon-lamp photocoagulation] Sbordone G, et al.
Minerva Oftalmol 11:191-8, Nov-Dec 69 (Ita)
[Unusual postoperative course after xenon photocoagulation for macular lesions] Tsukahara I, et al. Folia Ophthalmol Jap 22:141-6, Mar 71 (Jap)
[Measurement of the blood flow through the muscles of the lower extremities with the aid of the Xe-133] Hahn L, et al. Pol Przegl Chir 42:1411-8, Oct 70 (Pol)
[Effect of certain adrenergic and adrenolytic drugs on tissue blood flow determined by the radioactive xenon method] Halawa B, et al.
Pol Tyg Lek 25:1792-4, Nov 70 (Pol)
[Radioisotopic methods in the diagnosis of lung cancer] Arganat VZ, et al. Vopr Onkol 17:9-15, 1971 (Rus)
[Interpretation of 133 xenon-elimination curves in calculating liver blood flow] Darle N, et al.
Nord Med 86:913-4, 29 Jul 71 (Swe)
[Hepatic clearence of 133Xe and 85Kr in dog] Strandell T, et al. Nord Med 85:703-4, 3 Jun 71 (Swe)

ADMINISTRATION & DOSAGE

Large dose errors due to redistribution of 133-Xe in carpules and plastic syringes. Keaney J, et al.
J Nucl Med 12:249-50, May 71
[Study of regional cerebral blood flow in patients with arterial aneurysms by intra-arterial injection of Xe-133] Arutiunov AI, et al.
Vopr Neirokhir 34:3-9, Sep-Oct 70 (Rus)

ANALYSIS

Monitor for 133Xe contamination of air. Rudin S, et al.
J Nucl Med 12:145-6, Mar 71

BLOOD

A comparison of the disappearance curves of 133X3 and 85Kr for the measurement of the intrarenal distribution of blood flow. Carrière S.
Can J Physiol Pharmacol 48:834-7, Dec 70

DIAGNOSTIC USE

An indirect method for determination of tissue: blood partition coefficient for xenon 133. Rosendorff C, et al. J Appl Physiol 29:713-6, Nov 70
Evaluation of a 133Xe ventilation technique for diagnosis of pulmonary disorders. Farmelant MH, et al. J Nucl Med 12:588-90, Sep 71
Isotopic splenoportography making use of intrasplenic injection of 133Xe. Kuba J, et al.
Rev Int Hepatol 19:173-82, 1969
Distribution of pulmonary blood flow before and after autotransplantation measured with xenon-133. Ketonen P, et al.
Scand J Thorac Cardiovasc Surg 4:102-6, 1970
[Problems of detection and collimation in pulmonary isotopic exploration] Freour P, et al.
J Fr Med Chir Thorac 24:691-700, Sep-Oct 70 (Fre)
[Radiospirometry with 133xenon] Lassen NA.
J Fr Med Chir Thorac 24:679-84, Sep-Oct 70 (Fre)
[Measurement method of total hepatic outflow with radioactive xenon] Amiel M, et al.
J Radiol Electrol Med Nucl 51:683-4, Nov 70 (Fre)
[Experimental study of sub-hepatic outflow with radioactive xenon] Roissard JP de, et al.
J Radiol Electrol Med Nucl 51:685-6, Nov 70 (Fre)
[Experimental studies with xenon 133 of muscular circulation after lumbal sympathectomy] Kiss T, et al.
Bruns Beitr Klin Chir 218:476-80, Feb 71 (Ger)
[Cerebral blood flow studied with xenon 133 for intraoperative indications for plastic surgery of the carotid artery] Citone G, et al.
Minerva Chir 26:757-9, 31 Jul 71 (Ita)
[Regional selectivity on regional cerebral blood flow study with xenon-133 clearance method] Uemura K, et al. Nippon Acta Radiol 31:307-13, Jun 71 (Jap)
[Multifocal intracerebral injections of a rare gas isotope--a new clinical method for confirming brain death] Zwetnow NN.
Nord Med 85:675-6, 27 May 71 (Swe)

METABOLISM

Preliminary studies of gas resorption from the middle ear. Elner A, et al.
Acta Otolaryngol (Stockh) 70:197-202, Sep 70
Isotope studies in normal and diseased knee joints: 99mTc uptake related to clinical assessment and to synovial perfusion measured by the 133Xe clearance technique. Dick WC, et al. Clin Sci 40:327-36, Apr 71
133-Xe disappearance rate from human calf muscle during venous stasis. Petersen FB.
Dan Med Bull 17:230-2, Oct 70
Anion transport from the canine synovial cavity. Deodhar SD, et al.
Nature [New Biol] 231:61-3, 12 May 71
[Comparative measurements of muscle blood flow using vein occlusion plethysmography and 133 xenon clearance in arteriosclerosis obliterans] Möri H, et al.
Z Kreislaufforsch 60:447-51, May 71 (Ger)

XERODERMA see ICHTHYOSIS (C12, C16)

XERODERMA PIGMENTOSUM (C2, C12)

Complementation in vitro between fibroblasts from normal subjects and patients with xeroderma pigmentosum. Giannelli F. Clin Sci 40:27P, Jun 71
[Kaposi's disease with multiple visceral localizations] Granjon B, et al.
Arch Fr Mal App Dig 60:156-7, Mar 71 (Fre)
[Xeroderma pigmentosum] Hadida E, et al.
Bull Soc Fr Dermatol Syphiligr 76:180, 1969 (Fre)
[A case of Kaposi's disease with fatal outcome] Rollier R, et al.
Bull Soc Fr Dermatol Syphiligr 77:748-51, 1970 (Fre)
[Precancerous lesions of the face and mouth with particular reference to xeroderma pigmentosum] Palattella P.
Ann Stomatol (Roma) 19:501-18, Jun 70 (Ita)
[De Sanctis-Cacchione syndrome] Suvorova KN, et al.
Vestn Dermatol Venerol 44:63-5, Nov 70 (Rus)

COMPLICATIONS

[Case of xeroderma pigmentosum with ocular manifestations] Perron R, et al.
Bull Soc Ophtalmol Fr 68:520-2, Apr 68 (Fre)
[Apocrine adenocarcinoma in a patient with xeroderma pigmentosum] Condorelli B, et al.
Riv Anat Patol Oncol 33:LI-LXV, 1968 (Ita)

DRUG THERAPY

[Amelioration of a case of Kaposi's disease treated with chloramphenicol] Faye I, et al.
Bull Soc Med Afr Noire Lang Fr 14:120-2, 1969 (Fre)

ENZYMOLOGY

Activity and kinetics of DNA dependent DNA and RNA polymerases n xeroderma pigmentosum and in normal human skin. Müller WE, et al.
Arch Dermatol Forsch 240:334-41, 1971

FAMILIAL & GENETIC

Xeroderma pigmentosum and D. N. A. repair. Burk PG, et al. Lancet 1:601, 20 Mar 71
[Familial conditions of xeroderma pigmentosum in Algeria] Marill FG, et al.
Bull Soc Fr Dermatol Syphiligr 77:837-41, 1970 (Fre)
[Genic picture of familial red cells in xeroderma pigmentosum] Tomassini M, et al.
G Ital Dermatol 44:275-8, Jun 69 (Ita)

IMMUNOLOGY

Decreased host cell reactivation of irradiated SV40 virus in xeroderma pigmentosum. Aaronson SA, et al.
Nature (Lond) 228:359-61, 24 Oct 70

METABOLISM

Xeroderma pigmentosum: abnormal monochromatic action spectrum and autoradiographic studies. Cripps DJ, et al. J Invest Dermatol 56:281-6, Apr 71
Ultraviolet-stimulated thymidine incorporation in xeroderma pigmentosum lymphocytes. Burk PG, et al.
J Lab Clin Med 77:759-67, May 71
New form of molecular defect in xeroderma pigmentosum. Jung EG.
Nature (Lond) 228:361-2, 24 Oct 70
[Pigmented xerodermoid. A defect of recombinational recovery following UV-injuries] Jung EG.
Arch Dermatol Forsch 241:33-43, 1971 (Ger)

PATHOLOGY

[Xeroderma pigmentosum and pigmented xerodermoid. Clinical and molecular biological studies] Jung EG, et al.
Schweiz Med Wochenschr 100:1718-26, 10 Oct 70 (Ger)

PHYSIOPATHOLOGY

DNA repair and radiation sensitivity in human (xeroderma pigmentosum) cells. Cleaver JE.
Int J Radiat Biol 18:557-65, 1970
[Significance of regeneration in light-induced skin injuries. Etiology and differentiation of xeroderma pigmentosum] Jung EG, et al.
Strahlentherapie 141:738-44, Jun 71 (Ger)

SURGERY

Xeroderma pigmentosum--five-year arrest after total resurfacing of the face. Gleason MC.
Plast Reconstr Surg 46:577-81, Dec 70

XEROPHTHALMIA (C11)

Dry eye syndromes. Dohlman CH, et al.
Int Ophthalmol Clin 10:215-51, Summer 70

PATHOLOGY

The induction of keratinization in the corneal epithelium. A comparison of the "dry" and vitamin A-deficient eyes. Beitch I.
Invest Ophthalmol 9:827-43, Nov 70

THERAPY

Management of the dry eye using scleral lenses (a report on 68 cases). Gould HL.
Eye Ear Nose Throat Mon 49:133-40, Mar 70

XEROSTOMIA (C4)

Who are our elderly patients? 2. Elfenbaum A.
Dent Dig 77:284-90, May 71

COMPLICATIONS

Xerostomia in Sjögren's syndrome. Evaluation by sequential salivary scintigraphy. Schall GL, et al.
JAMA 216:2109-16, 28 Jun 71

DIAGNOSIS

[Principal sign "dry mouth"] Globig H.
Munch Med Wochenschr 112:2202-3, 27 Nov 70 (Ger)

ETIOLOGY

[The state of the oral mucous membrane in patients with peptic ulcer] Kolomiets SP.
Stomatologiia (Mosk) 49:19-22, Sep-Oct 70 (Rus)

XIPHOID BONE see under STERNUM (A2)

X-RAY, DIAGNOSTIC see RADIOGRAPHY (E1)

X-RAY DIFFRACTION (H)

The relation between gamma-and alpha-chymotrypsin. II. Direct comparison of the electron densities at 5-5 Angstrom resolution. Cohen GH, et al.
Acta Crystallogr [B] (Kbh) 26:1062-9, 15 Aug 70
The structure of a new natural amino acid, 2,3-cis-3,4-trans-3,4-dihydroxy-L-proline. Karle IL.
Acta Crystallogr [B] (Kbh) 26:765-70, 15 Jun 70
An x-ray study of L-isoleucine. Khawas B.
Acta Crystallogr [B] (Kbh) 26:1385-7, 15 Sep 70
The structure of dihydrothymidine. Konnert J, et al.
Acta Crystallogr [B] (Kbh) 26:770-8, 15 Jun 70
X-ray diffraction investigation on the effect of experimental and in situ radiation on mature human teeth. A preliminary report. Jervoe P.
Acta Odontol Scand 28:823-31, Nov 70
X-ray diffraction studies of enzymes. Blow DM, et al.
Annu Rev Biochem 39:63-100, 1970
A comparative study of x-ray diffraction and infrared absorption properties and amino-acid analysis of bovine enamel. Tamura K, et al.
Arch Oral Biol 16:801-11, Jul 71
The development of crystallographic enzymology. Phillips DC. Biochem Soc Symp 30:11-28, 1970 (47 ref.)
X-ray diffraction by amorphous polymers: models for biological systems. Balyuzi HH, et al.
Biopolymers 10:777-88, 1971
Urinary tract calculi--a comparison of chemical and crystallographic analyses. Sutor DJ, et al.
Br J Urol 43:149-53, Apr 71
The composition of calculi from patients with alcaptonuria. Sutor DJ, et al. Br J Urol 42:386-8, Aug 70
X-ray diffraction study of the mineralization of turkey leg tendon. Eanes ED, et al.
Calcif Tissue Res 6:239-48, 1970
An investigation into some diffraction effects observed in microradiographic images of bone sections. Hobdell MH, et al. Calcif Tissue Res 7:1-11, 1971
Observations on phase transformation of a precipitated calcium phosphate. West VC.
Calcif Tissue Res 7:212-9, 1971
Computer approaches to protein structure. I. Analysis of atomic distances. Tometsko AM.
Comput Biomed Res 3:229-37, Jun 70
X-ray and neutron small-angle scattering from hemoglobin in aqueous solution and in crystal. Schneider R, et al. Eur J Biochem 20:179-82, 28 May 71
Juvenile bladder stones: analysis by x-ray diffraction technique. Rao BN, et al.
Indian J Med Res 58:876-83, Jul 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

The structure of latumcidin (abikoviromycin) determined by x-ray analysis. Kono Y, et al. J Antibiot (Tokyo) 23:572-3, Nov 70
Pressure-induced disappearance of the gamma 2 (HgSn7-8) phase in dental amalgam. Grenoble DE, et al. J Dent Res 50:109-15, Jan-Feb 71
The effect of glycerol on the structure of lecithin membranes; a study by freeze-etching and X-ray diffraction. Buckingham JH, et al. J Microsc 90:83-106, 1969
X-ray diffraction data on some crystalline varieties of insulin. Baker EN, et al. J Mol Biol 54:605-9, 28 Dec 70
Structure of the nerve myelin membrane: proof of the low-resolution profile. Blaurock AE. J Mol Biol 56:35-52, 28 Feb 71
On the cross-section structure of deoxyribonucleic acid in solution. Bram S, et al. J Mol Biol 55:311-24, 14 Feb 71
Structure of bacterial flagella from Salmonella typhimurium: effects of hydration and some stains on the equatorial X-ray diffraction patterns of cast films. Burge RE, et al. J Mol Biol 56:21-34, 28 Feb 71
X-ray and optical diffraction studies of bacterial flagella. Champness JN. J Mol Biol 56:295-310, 14 Mar 71
X-ray diffraction from microtubules. Cohen C, et al. J Mol Biol 59:375-80, 28 Jul 71
Structure of rubredoxin: an x-ray study to 2.5 A resolution. Herriott JR, et al. J Mol Biol 50:391-406, 14 Jun 70
An x-ray crystallographic study of demetallized concanavalin A. Jack A, et al. J Mol Biol 58:389-95, 28 May 71
An x-ray crystallographic study of the rennin-like enzyme of Endothia parasitica. Moews PC, et al. J Mol Biol 54:395-7, 14 Dec 70
Spin-labelled haemoglobins: a structural interpretation of electron paramagnetic resonance spectra based on X-ray analysis. Moffat JK. J Mol Biol 55:135-46, 28 Jan 71
Structure of poly-beta-(p-chlorobenzyl)-L-aspartate: x-ray analysis of the alpha-helix form. Takeda Y, et al. J Mol Biol 51:101-13, 14 Jul 70
An X-ray diffraction study of reconstituted straight Salmonella flagella. Wakabayashi K, et al. J Mol Biol 53:567-70, 14 Nov 70
Three dimensional fourier synthesis of horse deoxyhaemoglobin at 2.8 Angstrom units resolution. Bolton W, et al. Nature (Lond) 228:551-2, 7 Nov 70
Molecular packing in collagen. Miller A, et al. Nature (Lond) 230:437-9, 16 Apr 71
X-ray analysis of structure of human lysozyme at 6 A resolution. Blake CC, et al. Nature [New Biol] 232:12-5, 7 Jul 71
Structure of oriented lipid bilayers. Levine YK, et al. Nature [New Biol] 230:69-72, 17 Mar 71
Bilayer structure in membranes. Wilkins MH, et al. Nature [New Biol] 230:72-6, 17 Mar 71
Direct x-ray diffraction quantitative analysis of quartz in industrial dust films deposited on silver membrane filters. Leroux J, et al. Occup Health Rev 21:26-34, 1970
Preparation of thin dust coatings for their analysis by x-ray emission and di- ffraction. Leroux J. Occup Health Rev 21:19-25, 1970
High-resolution x-ray diffraction patterns of crystalline transfer RNA that show helical regions. Kim SH, et al. Proc Natl Acad Sci USA 68:841-5, Apr 71
Animal calculi: an x-ray diffraction study of their crystalline composition. Sutor DJ, et al. Res Vet Sci 11:299-301, May 70
Crystal structure of serotonin picrate, a donor-acceptor complex. Bugg CE, et al. Science 170:352-4, 20 Nov 70
Fluorocitrate inhibition of aconitase: relative configuration of inhibitory isomer by x-ray crystallography. Carrell HL, et al. Science 170:1412-4, 25 Dec 70
X-ray diffraction patterns of transfer RNA consistent with the presence of short parallel helices in the molecule. Sakurai T, et al. Science 172:1234-7, 18 Jun 71
[Identification of mineral particles in histological sections by x-ray diffraction. Problems posed by the observation of microscopic particles of asbestos] Le Bouffant L, et al. Poumon Coeur 25:299-305, 1969 (Fre)
[Study of the quarternary structure of proteins using small angle x-ray scattering. VI. Characteristic length lc, mean shot-through length dc, characteristic volume vc] Damaschun G, et al. Acta Biol Med Ger 24:65-9, 1970 (Ger)
[Study of the quarternary structure of proteins using small angle x-ray scattering. V. Mean electron distance ac and radius of gyration RSC] Damaschun G, et al. Acta Biol Med Ger 24:59-63, 1970 (Ger)
[A simple method for the determination of the mineral content of bone biopsy specimens based on the weakening of x-rays] Schmidt W, et al. Arch Exp Veterinaermed 24:1123-6, 1970 (Ger)
[Study of urinary calculi using Debye-Scherrer's ultrastructural x-ray analysis] Schneider HJ, et al. Urologe 9:171-5, Jul 70 (Ger)
[Studies of the mineral phase of osteogenic sarcomas, using x-ray diffractometry] Scoccianti P, et al. Arch Putti Chir Organi Mov 25:366-72, 1970 (Ita)
[Microstructural studies of the mineral components of callus] Lénart G, et al. Chir Narzadow Ruchu Ortop Pol 35:503-4, 1970 (Pol)
[Use of roentgenophasic analysis in examining dust composition in hygienic studies] Novikov IuV, et al. Gig Sanit 35:63-8, Feb 70 (Rus)
[Study of the composition of kidney calculi by roentgen diffraction and infrared spectrophotometry. Correlation with clinical data] Radonić M, et al. Lijec Vjesn 92:157-70, Jul 70 (Cro)

INSTRUMENTATION

Report of a failure of a commercial x-ray diffraction shutter status system. LaMastra A, et al. Health Phys 20:439-40, Jun 71
AURPO survey of safety devices on x-ray crystallography-diffraction sets. Stern BE. Health Phys 20:358-60, Mar 71
A stable low temperature gas stream system with variable temperature control. Sliver L, et al. Rev Sci Instrum 42:671-3, May 71
[Proposal for the centralization and standardization of urinary calculi analysis] Schneider HJ, et al. Dtsch Gesundheitsw 25:1934-7, 8 Oct 70 (Ger)

X-RAY THERAPY see RADIOTHERAPY (E2)

X-RAYS see under RADIATION (H)

XYLAN see under CELLULOSE (D11)

XYLENE (D2)

ANTAGONISTS & INHIBITORS

Effect of amphetamine on the uptake, release and effectiveness of xylocholine in the guinea-pig vas deferens. Dean HG, et al. J Pharm Pharmacol 23:606-11, Aug 71

PHARMACODYNAMICS

The effect of organic solvents on the results of imbibition experiments in sound and carious dental enamel. Houwink B. Caries Res 5:279-89, 1971
Histochemical changes in aniline hydroxylase activity in rat liver by phenobarbitone and 2-4 xylidine. Grasso P, et al. J Pathol 103:pxi-xii, Feb 71

THERAPEUTIC USE

[Testing the effectiveness of antihelmintics in dicrocoeliasis] Shil'nikov VI, et al. Veterinariia 1:83, Jan 71 (Rus)

TOXICITY

Effect on experimental animals of long-term inhalation exposure to mineral spirits. II. Dietary, sex and strain influences in guinea pigs. Jenkins LJ Jr, et al. Toxicol Appl Pharmacol 18:53-9, Jan 71

XYLOCAINE see LIDOCAINE (D6)

XYLOSE (D11)

A study on the kinetics and mechanism of D-lyxose and D-xylose activation of the adenosine triphosphatase activity associated with yeast hexokinase. Rudolph FB, et al. J Biol Chem 246:2104-10, 10 Apr 71
[Chain length effects by the inhibition of beta-xylosidases by alkyl-O-xylosides and similar thio-xylosides] Claeyssens M, et al. Arch Int Physiol Biochim 78:582-3, Aug 70 (Dut)

BLOOD

Pediatric xylose absorption test: measurements in blood preferable to measurements in urine. Hawkins KI. Clin Chem 16:749-52, Sep 70

DIAGNOSTIC USE

The combined xylose-disaccharide tolerance test: its application for diagnosing disaccharidase deficiency. Fernandes J, et al. Acta Paediatr Scand 60:187-91, Mar 71
Laboratory criteria for the diagnosis of tropical sprue in Puerto Rico. Santini R, et al. Am J Dig Dis 16:241-6, Mar 71
Xylose test: effect of aspirin and indomethacin. Kendall MJ, et al. Br Med J 1:533-6, 6 Mar 71
The influence of sex, body weight, and renal function on the xylose test. Kendall MJ, et al. Gut 11:1020-3, Dec 70
D-xylose excretion studies in protein calorie malnutrition: alterations and response to therapy. Sawhney K, et al. Indian J Med Res 59:434-43, Mar 71
D-xylose as tracer in dietary supplements. Latham MC, et al. Lancet 2:405-6, 21 Aug 71
The xylose excretion test in normal children and in pediatric patients with tropical sprue. Santiago-Borrero PJ, et al. Pediatrics 48:59-63, Jul 71
A xylose absorption test for the dog. Hill FW, et al. Vet Rec 87:250-5, 29 Aug 70
[Test for orally induced hyperxylosemia: results and an attempt at interpretation] Férard G, et al. Clin Chim Acta 30:279-87, Nov 70 (Fre)
[Xylose test and its normal values in children] Bunke H. Kinderaerztl Prax 38:507-14, Nov 70 (Ger)
[Evaluation of intestinal absorption by xylose test in diabetic enteropathy] Tatoň J, et al. Pol Arch Med Wewn 46:205-12, Feb 71 (Pol)

METABOLISM

Malabsorption in asymptomatic Liberian children. Rhodes AR, et al. Am J Clin Nutr 24:574-7, May 71
Fasting in obese females. 3. Absorption tests (xylose, triolein, oleic acid) and cholecystography. Verdy M. Am J Clin Nutr 23:1033-6, Aug 70
Xylose and inulin absorption. From the small intestine of dogs following endotoxin shock. Ambromovage AM, et al. Arch Surg 102:496-500, May 71
Anticonvulsant drugs and xylose uptake by cerebral-cortex slices. Gray P, et al. Biochem J 120:27P-28P, Dec 70
Effect of cholecystojejunostomy, Roux-Y, on intestinal absorption of labelled fat, labelled protein and Xylose. Shin CS, et al. Bull Soc Int Chir 29:21-7, Jan-Feb 70
Non-electrolyte permeability across Bufo bufo gall-bladder. Lippe C, et al. Comp Biochem Physiol 38:473-5, 1 Feb 71
Intestinal absorption of D-xylose by germfree rats. Tennant B, et al. Experientia 26:1215-6, 15 Nov 70
Evaluation of the d-Xylose absorption test in elderly in-patients. Rosin AJ, et al. Gerontol Clin (Basel) 12:347-50, 1970
Evaluation of D-xylose absorption in tropical sprue in North India. Mehta SK, et al. Indian J Med Res 59:552-9, Apr 71
The effect of insulin on the kinetics of pentose permeation of the rat heart. Fisher RB, et al. J Physiol (Lond) 210:297-304, Sep 70
Kinetics of pentose permeation in the perfused rat heart. Fisher RB, et al. J Physiol (Lond) 210:287-95, Sep 70
Factors involved in the time-lag of testosterone on the sugar transport in the rat levator ani muscle. Bergamini E, et al. Life Sci [II] 10:649-54, 8 Jun 71
Provocative impairment of dextrorotary xylose absorption in chronic intestinal ischemia. Stanley JC, et al. Surg Forum 21:330-1, 1970
[Xylose resorption disorder in patients with dry keratoconjunctivitis] Balik J, et al. Sb Lek 72:244-7, Sep 70 (Cze)
[Uptake of sugars by isolated rat diaphragm under the influence of somatotropin (STH): possible role of adenosine 3'5' monophosphoric acid (cyclic AMP)] Buneaux JJ, et al. J Physiol (Paris) 62:Suppl 2:257-8, 1970 (Fre)
[Inhibiting effect of urea on the process of stimulation of sugar transport in muscle fibers] Vinogradova NA, et al. Doki Akad Nauk SSSR 197:1183-6, 1971 (Rus)

PHARMACODYNAMICS

Biosynthesis of glycosaminoglycans in bovine cornea. The effet of uridine diphosphate xylose. Balduini C, et al. Biochem J 120:719-23, Dec 70
Specific inactivation of yeast hexokinase induced by xylose in the presence of a phosphoryl donor substrate. DelaFuente G. Eur J Biochem 16:240-3, Oct 70
Influence of sodium, glucose and xylose on calcium absorption. Studies with jejunal perfusions in five human subjects. Chapuy MC, et al. Isr J Med Sci 7:386-8, Mar 71
Effect of endogenous intestinal glucagon-like immunoreactivity (GLI) on insulin secretion and glucose concentration in dogs. Marco J, et al. J Clin Endocrinol Metab 33:318-25, Aug 71
[Current status of xylitol] Sintesi. Acta Diabetol Lat 7:1033-62, Nov-Dec 70 (Mul)

URINE

Pediatric xylose absorption test: measurements in blood preferable to measurements in urine. Hawkins KI. Clin Chem 16:749-52, Sep 70
[Comparative study of various methods of determination of xylose in the urine] Férard G, et al. Ann Biol Clin (Paris) 28:355-60, 1970 (Fre)
[A simple method for the determination of urinary D-xylose] Humbel R, et al. Z Klin Chem Klin Biochem 7:559, 8 Sep 70 (Ger)

Y CHROMOSOME see under SEX CHROMOSOMES (A11)

YABA VIRUS (B4)

The intracytoplasmic multiplication of Yaba virus in cells as studied by means of high-resolution

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

autoradiography. Tsuruhara T, et al.
J Electron Microsc (Tokyo) 19:103-4, 1970
Biophysical characterization of the yaba tumor pox virus. Fiel RJ, et al. J Med (Basel) 1:142-55, 1970
Purification of thymidine kinase activity from Yaba virus induced tumors. Gordon HL.
J Med (Basel) 1:110-6, 1970
Experimental Yaba and benign epidermal monkey pox in rhesus monkeys. Kupper JL, et al.
Lab Anim Care 20:979-88, Oct 70

GROWTH & DEVELOPMENT

Plaque formation by Yaba virus in cynomolgus monkey kidney cells. Tsuchiya Y, et al.
J Natl Cancer Inst 47:219-22, Jul 71

YAW see under MOTION (H)

YAWS (C1, C12)

Neuro-ophthalmological study of late yaws and pinta. II. The Caracas project. Smith JL, et al.
Br J Vener Dis 47:226-51, Aug 71
Neuro-ophthalmological study of late yaws. I. An introduction to yaws. Smith JL.
Br J Vener Dis 47:223-5, Aug 71

DIAGNOSIS

Yaws. Kantor I, et al. Arch Dermatol 103:546-7, May 71
Test patterns of yaws antibodies in New Zealand. Fischman A, et al. Br J Vener Dis 47:91-4, Apr 71
Fluorescent treponemal antibody absorption (FTA-ABS) test in yaws. Garner MF, et al.
Br J Vener Dis 46:284-6, Aug 70
[Immunity conditions in treponematoses] Guthe T, et al. Hautarzt 22:329-33, Aug 71 (49 ref.) (Ger)

HISTORY

Non-venereal treponematosis in colonial North America. Parramore TC.
Bull Hist Med 44:571-81, Nov-Dec 70
Yaws eradication in Indonesia: Dr. Raden Kodijat's contribution. (Kodijat R), Hackett CJ.
Trans R Soc Trop Med Hyg 64:615-22, 1970

IMMUNOLOGY

Yaws, Mycoplasma pneumoniae and cold agglutinins in New Guineans. Kariks J. Med J Aust 1:85-7, 9 Jan 71

MICROBIOLOGY

[Study of a treponema strain isolated from a case of yaws in Ivory Coast] Malgrad J, et al.
Bull Soc Pathol Exot 63:652-65, Nov-Dec 70 (Fre)

OCCURRENCE

Yaws in an isolated Australian aboriginal population. Garner MF, et al. Bull WHO 43:603-6, 1970
Treponematoses in Ethiopia. Schaller KF.
Int J Dermatol 9:170-2, Jul-Sep 70
Yaws, Mycoplasma pneumoniae and cold agglutinins in New Guineans. Booth PB. Med J Aust 1:715, 27 Mar 71
[Serological study of treponamatoses in transplanted West African workers apropos of (1,000 examinations by means of immunofluorescence and Kline flocculation tests)] Niel G, et al.
Bull Soc Pathol Exot 63:180-94, Mar-Apr 70 (Fre)

YEAST, DRIED (D11)

ANALYSIS

[Attempts of increasing yield and stabilization of L(+) lactate dehydrogenase (L-lactate-ferrichrome c-oxidoreductase, EC 1.1.2.3) from yeast] Sokolowski A, et al. Acta Biol Med Ger 26:21-6, 1971 (Ger)
[Method of determining residual hydrocarbons in yeast grown on n-alkanes] Masumian VIa, et al.
Mikrobiol Zh 33:105-9, 1971 (Ukr)

RADIATION EFFECTS

[Influence of radiation-induced electrolyte shifts on the metabolism. 3. Importance of ion-environment on the impression of the radiation damages in yeasts] Rink H. Strahlentherapie 140:594-9, Nov 70 (Ger)

THERAPEUTIC USE

[Clinical trial of combined orotic acid and living yeast] Linquette M, et al.
Lille Med Suppl 5:819+, Aug-Sep 69 (Fre)
[Yeast therapy in ophthalmic herpes zoster] Mazza C, et al. Ann Ottalmol Clin Ocul 94:668-74, Jun 68 (Ita)
[Effect of acidophil yeast mixtures for prophylactics in gastrointestinal diseases in infants] Gudzenko PN, et al. Pediatr Akush Ginekol 6:3-4, 1970 (Ukr)

YEASTS (B5)

Effects of 20 years' storage on lyophilized cultures of bacteria, molds, viruses, and yeasts. Rhoades HE.
Am J Vet Res 31:1867-70, Oct 70
Histopathological changes in canine renal allotransplants after yeast respiratory extract (PCO) treatment. Groenewald JH, et al.
Am Surg 37:281-6, May 71
Pathogenic yeasts. Emmons CW.
Antonie van Leeuwenhoek 35:Suppl:113-27, Jun 69
Horizons in industrial application of yeasts. Hoogerheide JC.
Antonie van Leeuwenhoek 35:Suppl:71-82, Jun 69
Yeast science today and tomorrow. Ingram M.
Antonie van Leeuwenhoek 35:Suppl:7-29, Jun 69
Staining with diazonium-blue B as an aid in the yeast diagnostic. Sonck CE, et al.
Antonie van Leeuwenhoek 35:Suppl:E27-8, Jun 69
Studies on the aggregation of yeasts caused by lactobacilli. Tonolke R, et al.
Antonie van Leeuwenhoek 35:Suppl:D1, Jun 69
The isolation and properties of nucleohistonefrom the fission yeast, Schizosaccharomyces pombe. Duffus JH.
Biochim Biophys Acta 228:627-35, 11 Feb 71
The genetic apparatus of mitochondria from Neurospora and yeast. Küntzel H.
Curr Top Microbiol Immunol 54:94-118, 1971
Safety evaluation of yeast grown on hydrocarbons. II. One-year feeding study in rats with yeast grown on pure n-paraffins. Groot AP de, et al.
Food Cosmet Toxicol 8:499-507, Oct 70
Morphological changes and resistance to vaccinia virus induced in human amnion cells by yeast extract. Chakrabortty AS, et al.
J Med Microbiol 4:115-23, Feb 71
Photodynamic responses in Rhodotorula glutinis in the absence of added sensitizers. Maxwell WA, et al.
Photochem Photobiol 13:259-73, Mar 71
[When is a differentiation according to genus and species of yeasts isolated from disease manifestations necessary in the dermatologic, gynecologic and pediatric practice?] Rieth H.
Mykosen 12:509-10, 1 Aug 69 (Ger)
[Vibration electroflotation of various microorganisms] Dimitrow DL, et al.
Zentralbl Bakteriol [Naturwiss] 124:488-92, 1970 (Ger)
[On a possible interpretation of the "flor" effect in yeasts] Castelli T, et al. Ric Sci 38:1287-9, Dec 68 (Ita)
[Use of a complex ferment of propionic acid bacteria and yeasts for corn siloing] Konoplev EG, et al.
Izv Akad Nauk SSSR [Biol] 1:142-4, Jan-Feb 70 (Rus)
[Yeasts in some wild fruits. II] Federici F.
Riv Biol 63:131-7, Jan-Mar 70 (Mul)

ANALYSIS

On localization of hydrocarbons in the cells of yeasts grown on hydrocarbon-containing media. Vorobyeva GI, et al.
Antonie van Leeuwenhoek 35:Suppl:J10, Jun 69
Assimilation of hydrocarbons. I. Proportion of fatty acids in the cell fat. Pelechová J, et al.
Folia Microbiol (Praha) 16:103-9, 1971
[Glucan of yeast] Misaki A.
Protein Nucleic Acid Enzyme (Tokyo) 15:1463-71, Dec 70 (Jap)
[Antiviral properties of a yeast extract] Kovalenko AG.
Mikrobiol Zh 32:398-400, May-Jun 70 (Ukr)
[Isolation, purification and some properties of antiviral substances from the yeast] Kovalenko AG.
Mikrobiol Zh 33:75-82, 1971 (Ukr)
[Physico-chemical properties of antiviral preparations obtained from the yeast] Moskovets SN, et al.
Mikrobiol Zh 33:82-8, 1971 (Ukr)

CLASSIFICATION

Why should medical laboratories identify yeasts? Dolan CT. Am J Clin Pathol 55:632-4, May 71
A practical approach to identification of yeast-like organisms. Dolan CT.
Am J Clin Pathol 55:580-90, May 71
New data on correlation between morphological and biological characters of yeasts. Kudriavzev VI, et al.
Antonie van Leeuwenhoek 35:Suppl:J1-2, Jun 69
Speciation in the yeast genus Metschnikowia. Pitt JI, et al. Antonie van Leeuwenhoek 36:357-81, 1970
Yeast taxonomy in relation to ecology, genetics, and phylogeny. Wickerham LJ.
Antonie van Leeuwenhoek 35:Suppl:31-58, Jun 69
Rhodosporidium diobovatum sp. n., the perfect form of an asporogenous yeast (Rhodotorula sp.). Newell SY, et al. J Bacteriol 104:503-8, Oct 70
[Yeasts in plant tanning liquors. I. Taxonomic discussion] Jacob FH.
Ann Inst Pasteur (Paris) 120:849-64, May 71 (Fre)
[Mycologic picture card index: 79: System of the "mycologic picture card index". Construction, arrangement and form. II. Yeasts] Rieth H.
Mykosen 14:361-2, Jun 71 (Ger)
[A modified plating method for routine determination of assimilatory properties of yeasts in mycological diagnosis] Böhm KH.
Zentralbl Bakteriol [Orig] 204:283-8, 1967 (Ger)
[Pichia faecalis nov. comb. Revision of a genus of yeasts named Kloeckera faecalis Batista et Silveira, 1959] Queiroz LA de.
Mycopathol Mycol Appl 42:209-12, 29 Dec 70 (Por)
[Pichia faecalis nov. comb. Revision of a family of yeasts named Kloeckera faecalis Batista et Silveira, 1959] Aciole de Queiroz L.
Mycopathol Mycol Appl 41:327-30, 4 Dec 70 (Spa)

CYTOLOGY

Prospects of yeast cytology. Matile P.
Antonie van Leeuwenhoek 35:Suppl:59-70, Jun 69
The basic number of chromosomes in yeasts is two. Yuasa A.
Antonie van Leeuwenhoek 35:Suppl:B31-2, Jun 69
Cell wall synthesis in yeast protoplasts. Nečas O.
Bacteriol Rev 35:149-70, Jun 71 (114 ref.)
The anatomy of the yeast mitochondrion reveled by electron-microscopy of vitally-stained squash preparations. Lindegren CC, et al.
Can J Genet Cytol 12:15-20, Mar 70
Interactions of cooling velocity, temperature, and warming velocity on the survival of frozen and thawed yeast. Mazur P, et al. Cryobiology 5:1-17, Jul-Aug 68
Specific staining of wall mannan in yeast cells with fluorescein-conjugated concanavalin A. Tkacz JS, et al. J Bacteriol 105:1-5, Jan 71
[Dissociation and reconstitution of yeast ribosomes] Schoentjes M, et al.
Arch Int Physiol Biochim 78:175-7, Feb 70 (Fre)
[Morphological differences between yeasts and yeast-like fungi exemplified by the Candida and Geotrichum strains] Rieth H.
Mykosen 11:523-4, 1 Jul 68 (Ger)

DRUG EFFECTS

Sensitivity of randomly selected yeasts to various acids. Lindegren CC, et al.
Antonie van Leeuwenhoek 35:Suppl:J5, Jun 69
Effects of alkylbenzene sulfonates on yeasts. Standard PG, et al. Appl Microbiol 20:846-8, Oct 70
The interaction of corticosteroids and antimicrobial agents used in topical therapy. Raab WP.
Br J Dermatol 84:582-9, Jun 71
Inactivation and the induction of lethal sectoring by chemical mutagens in yeast. Nasim A, et al.
Can J Genet Cytol 12:10-4, Mar 70
Induction of intragenic mitotic recombination in yeast by hydroxylamine and its mutagenic specificity. Putrament A, et al. Mol Gen Genet 111:89-96, 1971
[Orientation test of the inhibitory effect of azalomycin F against dermatophytes and yeasts] Abou-Gabal M, et al. Mykosen 11:597-8, 1 Aug 68 (Ger)
[The antimycetic effect of salicylic acid from therapeutic viewpoint] Kejda J.
Mykosen 12:395-8, 1 Jun 69 (Ger)
[Gastric microbial flora and its sensitivity to antibiotics following a short-time use of the tetracyclines morphocycline and glycocycline] Gitinov GG, et al.
Antibiotiki 15:743-8, Aug 70 (Rus)

ENZYMOLOGY

Some differences in pyruvate kinase regulation in selected yeasts. Barbalace DS, et al.
Biochem Biophys Res Commun 42:287-91, 22 Jan 71
The reaction of 2-methyl-1,4-naphthoquinone with yeast alcohol dehydrogenase. Nakai N, et al.
Chem Pharm Bull (Tokyo) 19:460-7, Mar 71
Mechanism of the alcohol dehydrogenases from yeast and horse liver. Bielmann JF, et al.
Eur J Biochem 19:130-4, 1 Mar 71
Specific inactivation of yeast hexokinase induced by xylose in the presence of a phosphoryl donor substrate. DelaFuente G.
Eur J Biochem 16:240-3, Oct 70
The kinetics of yeast hexokinase in the light of the induced fit involved in the binding of its sugar substrate. DelaFuente G, et al.
Eur J Biochem 16:234-9, Oct 70
Induced fit in yeast hexokinase. DelaFuente G, et al.
Eur J Biochem 16:226-33, Oct 70
Isolation and characterization of seryl-tRNA synthetase from yeast. Heider H, et al.
Eur J Biochem 20:144-52, 11 May 71
A diazo compound for the photochemical labeling of yeast alcohol dehydrogenase. Browne DT, et al.
J Biol Chem 246:4477-84, 25 Jul 71
A study of the esterases and their function in Candida lipolytica, Aspergillus niger and a yeast-like fungus. Lloyd GI, et al. J Gen Microbiol 63:141-50, Oct 70
[Studies of the enzymes of Schizosaccharomyces acidodevoratus, decomposing L-malic acid] Flesch P, et al. Arch Mikrobiol 74:213-22, 1970 (Ger)
[SH group composition of yeast alcohol dehydrogenase after Co60-gamma-irradiation] Ganzke I, et al.
Radiobiol Radiother (Berl) 11:329-33, 1970 (Ger)
[The quaternary structure of yeast inorganic pyrophosphatase] Avaeva SM, et al.
Biokhimiia 35:257-60, Mar-Apr 70 (Rus)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

GROWTH & DEVELOPMENT

An ecological survey of yeasts within a cider apple orchard. Davenport RR.
Antonie van Leeuwenhoek 35:Suppl:D9-10, Jun 69
Ecology of yeasts and yeast-like microorganisms on secondary habitats in Czechoslovakia. Minarik E.
Antonie van Leeuwenhoek 35:Suppl:D7-8, Jun 69
Investigation on the yeast flora of soft drinks. Sand F, et al.
Antonie van Leeuwenhoek 35:Suppl:D11-2, Jun 69
Yeast induced discolouration in fresh sauerkraut and control. Steinbuch E.
Antonie van Leeuwenhoek 35:Suppl:F39, Jun 69
Convenient microscopic tests for yeast viability and sporogenic capability. Miller JJ.
Can J Microbiol 16:797-8, Aug 70
Sterility testing: detection of yeast and fungal contamination. Chatterjee SC.
Indian J Med Sci 24:568-70, Sep 70
Segregational respiratory-deficient mutants of a "petite negative" yeast Schizosaccharomyces pombe 972h-. Heslot H, et al. J Bacteriol 104:482-91, Oct 70
[Effect of glass walls on the development of certain yeasts in mineral medium. I. Relation to constituents of the medium] Beraud P.
Ann Inst Pasteur (Paris) 117:226-30, Aug 69 (Fre)
[Culture of trypanosomes in a Parker medium in the presence of microorganisms] Fromentin H.
Bull Soc Pathol Exot 62:1084-90, Nov-Dec 69 (Fre)
[Halophilism and psychrophilism in 200 strains of yeasts] Boilleau Y, et al.
C R Soc Biol (Paris) 164:378-81, 25 Sep 70 (Fre)
[In vitro studies of fungal growth on psoriatic scales--an experimental study] Pöhler H, et al.
Mykosen 11:205-16, 1 Mar 68 (Ger)
[Dermatophytes, yeasts and molds on Kimmig agar. Identification of mixed cultures, separation of strains and cultivation of intensely sporulating pure cultures] Rieth H. Mykosen 12:73-4, 1 Jan 69 (Ger)
[Yeast and yeast-like fungi in epiphytic microflora of some plants] Kvasnikov EI, et al.
Mikrobiol Zh 33:35-7, 1971 (Ukr)
[Choice of raw oil for growing fodder yeasts] Masumian VIa, et al. Mikrobiol Zh 32:539-44, Sep-Oct 70 (Ukr)

IMMUNOLOGY

Antigenic properties of yeasts of various genera. Campbell I. J Appl Bacteriol 34:237-42, Mar 71

ISOLATION & PURIFICATION

Pichia spartinae sp. n. from Louisiana marshland habitats. Ahearn DG, et al.
Antonie van Leeuwenhoek 36:503-8, 1970
262 yeast strains of human origin isolated in Caracas, Venezuela. Feo M.
Antonie van Leeuwenhoek 35:Suppl:E37-8, Jun 69
The yeast flora of birds and mammals in captivity. Midgley G, et al.
Antonie van Leeuwenhoek 35:Suppl:E23-4, Jun 69
Yeast flora in pregnant diabetic women. Pedersen GT.
Antonie van Leeuwenhoek 35:Suppl:E33, Jun 69
A new species of yeast isolated from decaying insect-invaded wood. Pignal MC.
Antonie van Leeuwenhoek 36:525-9, 1970
The biochemical properties of some yeast species of the Armenian SSR. Sarukhanian FG.
Antonie van Leeuwenhoek 35:Suppl:F15-6, Jun 69
Yeasts isolated from the Saskatchewan river. Spencer JF, et al.
Antonie van Leeuwenhoek 35:Suppl:D17-8, Jun 69
Characteristics of yeast isolated from dry sausages. Stoyanov I.
Antonie van Leeuwenhoek 35:Suppl:F37-8, Jun 69
Ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:427-35, 1970
A statistical evaluation of the ecology of yeasts in polluted water. Woollett LL, et al.
Antonie van Leeuwenhoek 36:437-44, 1970
Modification of the American Public Health Association procedure for counting yeast and mold in cottage cheese. Powers EM, et al.
Appl Microbiol 21:155-6, Jan 71
Quantitative and qualitative microbiological profiles of the Apollo 10 and 11 spacecraft. Puleo JR, et al.
Appl Microbiol 20:384-9, Sep 70
Yeasts from the St. Lawrence River. Simard RE, et al.
Can J Microbiol 17:197-203, Feb 71
Ecological studies on yeasts in the St. Lawrence River. Simard RE, et al. Can J Microbiol 17:353-7, Mar 71
Yeasts isolated from the South Saskatchewan, a polluted river. Spencer JF, et al.
Can J Microbiol 16:1051-7, Nov 70
Symposium on microbial changes in foods. Microbiology and chemical changes in raw hams of Italian type. Giolitti G, et al.
J Appl Bacteriol 34:51-61, Mar 71
Oxytetracycline-glucose-yeast extract agar for selective enumeration of moulds and yeasts in foods and clinical material. Mossel DA, et al.
J Appl Bacteriol 33:454-7, Sep 70
Yeasts isolated from Long Island Sound. Combs TJ, et al. Mycologia 63:178-81, Jan-Feb 71
[Yeasts isolated in the Laboratoire de Parasitologie du C. H. U. de Marseille from July 1964 to July 1968] Dunan S, et al.
Bull Soc Pathol Exot 62:839-48, Sep-Oct 69 (Fre)
[Intestinal yeast flora of the baboon, Papio papio (Desm.)] Saëz H.
Mycopathol Mycol Appl 41:383-95, 4 Dec 70 (Fre)
[Yeasts in the oral cavity of the baboon, Papio papio (Desm.)] Saëz H.
Zentralbl Veterinaermed [B] 17:381-8, Mar 70 (Fre)
[The incidence of yeasts in patients of the Hospital Amazónico "Albert Schweitzer" in Peru. 1. Isolation of strains] Adam D, et al.
Mykosen 13:403-9, 1 Aug 70 (Ger)
[The occurrence of yeasts in the stomach of humans] Bernhardt H. Mykosen 11:799-806, 1 Nov 68 (Ger)
[The fungal flora of dermatomycoses in Ostoberlausitz from 1962 to 1967 with special reference to the occurrence of Trichophyton rubrum and Trichophyton mentagrophytes] Blaschke-Hellmessen R. Mykosen 11:545-60, 1 Aug 68 (Ger)
[Rapid identification and isolation of yeasts from feces and high bacterial contaminated test material on the eusaprim-colistin-maltose agar plate] Liehr W.
Mykosen 14:403-5, 1 Aug 71 (Ger)
[Experiences with the CACH medium for the demonstration of trichomonas and yeasts in women with vaginitis] Müller WA, et al.
Mykosen 11:883-91, 1 Dec 68 (Ger)
[The occurrence of yeasts in the clinical examination material] Potel J, et al.
Mykosen 11:291-4, 1 Apr 68 (Ger)
[Problems of demonstration of yeasts in human clinical specimen, their isolation and identification] Rieth H.
Mykosen 11:857-8, 1 Sep 68 (Ger)
[Diagnostic and therapeutic considerations in mixed infections due to dermatophytes, yeasts and molds] Rieth H. Mykosen 12:207-8, 1 Mar 69 (Ger)
[Budding fungi in feces of zoo birds, wild indigenous birds and pigeons gone wild. (Studies of the occurrence of Cryptococcus neoformans in birds)] Schönborn C, et al. Mykosen 12:471-90, 1 Aug 69 (Ger)
[Incidence of fungi found in chronic unspecific lung diseases] Stefanović M, et al.
Mykosen 14:169-73, 1 Apr 71 (Ger)
[Statistical evaluation of examination results of the fungal flora in 1968 in the Dermatological Dispensary of Graz] Weitgasser H, et al.
Mykosen 12:133-7, 1 Feb 69 (Ger)
[The occurrence of mixed cultures in dermatomycology] Ziprkowski L, et al.
Mykosen 12:359-62, 1 Jun 69 (Ger)
[Dissemination of yeast fungi. Occurrence of yeasts in the intestinal tract of zoo birds] Kaben U, et al.
Zentralbl Bakteriol [Orig] 204:274-82, 1967 (Ger)
[Yeast flora of reservoirs contaminated with oil-products] Shchelokova IP, et al.
Mikrobiol Zh 32:642-4, Sep-Oct 70 (Ukr)

METABOLISM

The microbiological assay of the vitamin B6 complex (pyridoxine, pyridoxal and pyridoxamine) with Kloeckera brevis. Barton-Wright EC.
Analyst 96:314-8, Apr 71
The role of microelements on the accumulation of proteins and some vitamins in yeast cells. Pečiulis J, et al. Antonie van Leeuwenhoek 35:Suppl:G13, Jun 69
Trends in physiology and biochemistry of yeasts. Suomalainen H.
Antonie van Leeuwenhoek 35:Suppl:83-111, Jun 69
Physiology of a choline-requiring strain of Torulopsis pintolopesii. Cruz FS, et al.
Arch Mikrobiol 73:111-20, 1970
A gas chromatographic investigation of the influence of different carbon sources on the production of volatile compounds by Dipodascus aggregatus. Norrman J.
Arch Mikrobiol 75:145-62, 1971
Effect of magnesium ions on the conformation of two highly purified yeast alanine transfer ribonucleic acids. Reeves RH, et al.
Biochemistry 9:3903-4002, 29 Sep 70
The value of hydrocarbon-grownyeast s a source of protein for growing pigs. Barber RS, et al.
Br J Nutr 25:285-94, Mar 71
Biosynthesis of sphingosine and dihydrosphingosine by cell-free systems from Hansenula ciferri. Snell EE, et al. Chem Phys Lipids 5:116-38, Oct 70
Involvement of 1-methyladenosine and 7-methylguanosine in the three-dimensional structure of (yeast)tRNAPhe. Igo-Kemenes T, et al.
Eur J Biochem 18:292-8, Jan 71
Symposium on microbial changes in foods. Production of H 2 S by yeasts: role of nutrients. Wainwright T.
J Appl Bacteriol 34:161-71, Mar 71
Respiratory metabolism of a "petite negative"yeast Schizosaccharomyces pombe 972h-. Heslot H, et al.
J Bacteriol 104:473-81, Oct 70
[A simplified method for the demonstration of fermentation activity of yeasts] Bürger H.
Mykosen 13:91-8, 1 Feb 70 (Ger)
[The effect of cupric sulfate on the pigment formation by yeasts] Rzempoluch E.
Mykosen 11:515-8, 1 Jul 68 (Ger)
[Aspects of mass transfer in the utilization of hydrocarbons by yeasts] Katinger H, et al.
Pathol Microbiol (Basel) 36:341-2, 1970 (Ger)
[Growth increase of a permanent tissue culture cell line cultivated in a lactalbumin-yeast-medium reached by additional supply with nutritive material] Averdunk R, et al.
Zentralbl Bakteriol [Orig] 217:14-22, May 71 (Ger)
[A modified plating method for routine determination of assimilatory properties of yeasts in mycological diagnosis] Böhm KH.
Zentralbl Bakteriol [Orig] 204:283-8, 1967 (Ger)
[Aging of yeast mitochondria] Miura T, et al.
Protein Nucleic Acid Enzyme (Tokyo) 16:814-21, Aug 71 (Jap)

RADIATION EFFECTS

Screening of grape and apple juices from 23 countries for wild radiation-resistant yeast strains. Fernández A. Antonie van Leeuwenhoek 35:Suppl:J11-2, Jun 69
[Radiobiologic characteristics of yeast cells and their association with ploidy and the state of the homo- and heterozygogenicity of the genome] Sokurova EN.
Radiobiologiia 10:720-7, Sep-Oct 70 (Rus)

YELLOW FEVER (C1)

[Study of an animal reservoir in the cycle of some arboviruses in Central Africa. II. Experimental viremia in wild rodents with yellow fever and West Nile viruses] Chippaux A, et al.
Bull Soc Pathol Exot 63:173-80, Mar-Apr 70 (Fre)
[Yellow fever vaccine production and control. II. Freeze-drying of yellow fever vaccine. A. The development of a chamber apparatus] Pichi H, et al.
Zentralbl Bakteriol [Orig] 215:404-28, 1970 (Ger)

DIAGNOSIS

Yellow fever neutralization tests carried out on blood samples collected on filter paper strips. Wolff HL, et al. Trans R Soc Trop Med Hyg 64:474, 1970

HISTORY

Nicolas Chervin's yellow fever survey, 1820-1822. (Chervin N), Waserman MJ, et al.
J Hist Med 26:40-51, Jan 71
Yellow fever vs the American team. Carmichael EB.
J Med Assoc State Ala 41:99-106, Aug 71

IMMUNOLOGY

Neutralizing antibody responses in the major immunoglobulin classes to yellow fever 17D vaccination of humans. Monath TP.
Am J Epidemiol 93:122-9, Feb 71
Lymphocytes and yellow fever. I. Transient virus refractory state following vaccination of man with the 17-D strain. Wheelock EF, et al.
J Immunol 105:1304-6, Nov 70
Role of macrophages and antibody in resistance of mice against yellow fever virus. Zisman B, et al.
J Immunol 107:236-43, Jul 71
[Relation between viremia and sero-antibodies to the anti-yellow fever vaccination of persons vaccinated with strain 17D-EP] Santiago Actis A, et al.
Rev Sanid Milit Argent 69:51-63, Jan-Jun 70 (Spa)

MICROBIOLOGY

Isolation of yellow fever virus from a human liver obtained by autopsy in Surinam. De Haas RA, et al.
Trop Geogr Med 23:59-63, Mar 71

MORTALITY

Virulence and pathogenesis of yellow fever virus serially passaged in cell culture. Converse JL, et al.
Appl Microbiol 21:1053-7, Jun 71

OCCURRENCE

[Recent data from serological surveys on the prevalence of arbovirus infections in Africa, with special reference to yellow fever] Brès P.
Bull WHO 43:223-67, 1970 (Fre)

PATHOLOGY

Yellow fever virus infection. A correlation of complement-fixing antigen with histopathology. David-West TS, et al. Br J Exp Pathol 52:114-21, Apr 71

PREVENTION & CONTROL

Prevention of Aedes aegypti-borne diseases in the Americas. WHO Chron 25:275-9, Jun 71
[Problem of sequelae of postvaccinal amaril encephalitis] Diop Mar I, et al.
Bull Soc Med Afr Noire Lang Fr 15:468-79, 1970 (Fre)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Development of the risk of yellow fever in the 5 states of the o.C.E.A.C. and posibilitiesof control in cases of epidemics] Gateff C, et al.
Med Trop (Marr) 30:642-53, Sep-Oct 70 (Fre)
[Prevention of communicable diseases in Mexico. IV. Yellow fever] Torres Muñoz A.
Gac Med Mex 101:159-66, Feb 71 (Spa)

YELLOW FEVER VIRUS (B4)

[Culture of the French neurotropic strain of yellow fever virus on the continuous pig kidney cells, PS-2] Brès P, et al.
Ann Inst Pasteur (Paris) 120:243-55, Feb 71 (Fre)
[Study of an animal reservoir in the cycle of some arboviruses in Central Africa. II. Experimental viremia in wild rodents with yellow fever and West Nile viruses] Chippaux A, et al.
Bull Soc Pathol Exot 63:173-80, Mar-Apr 70 (Fre)

IMMUNOLOGY

Lymphocytes and yellow fever. I. Transient virus refractory state following vaccination of man with the 17-D strain. Wheelock EF, et al.
J Immunol 105:1304-8, Nov 70
Role of macrophages and antibody in resistance of mice against yellow fever virus. Zisman B, et al.
J Immunol 107:236-43, Jul 71
[Reactions of embryonic chicken fibroblast cultures upon infection with yellow fever virus] Foltzik LJ, et al. Verh Dtsch Ges Pathol 54:501-4, 1970 (Ger)

ISOLATION & PURIFICATION

Assessment of aerosol mixtures of different viruses. Mayhew CJ, et al. Appl Microbiol 20:313-6, Sep 70
Isolation of yellow fever virus from a human liver obtained by autopsy in Surinam. De Haas RA, et al.
Trop Geogr Med 23:59-63, Mar 71

PATHOGENICITY

Virulence and pathogenesis of yellow fever virus serially passaged in cell culture. Converse JL, et al.
Appl Microbiol 21:1053-7, Jun 71
[Neurovirulence of the French neurotropic strain of the yellow fever virus: its study by the thermal sensitivity of viral development and analysis of viral populations obtained by the plaque method] Brès P, et al.
Ann Inst Pasteur (Paris) 120:671-82, May 71 (Fre)

YOGA (K)

A wakeful hypometabolic physiologic state. Wallace RK, et al. Am J Physiol 221:795-9, Sep 71
Yoga and psychoanalysis. Chakraborty A.
Br J Psychiatry 117:478, Oct 70
Effect of yoga practices on vital capacity. (A preliminary communication). Bhole MV, et al.
Indian J Chest Dis 12:32-5, Apr 70
Yoga foot drop. Chusid J. JAMA 217:827-8, 9 Aug 71
[Physiological effects of transcendental meditation] Wallace RK. Rev Bras Med 27:397-401, Aug 70 (Por)
[Relaxation, hypnosis, Yoga, Zen: similar phenomena] Lozano GA. ADM 24:497-502, Sep-Oct 67 (Spa)

YOHIMBANS (D2)

ADMINISTRATION & DOSAGE

[Reaction of the blood circulation in the extremities with intravenous Raubasin infusions] Schütz RM, et al. Med Welt 14:554-9, 3 Apr 71 (Ger)
[Results of treatment of libido disorders in women] Gabele A. Z Allgemeinmed 47:866-8, 30 Apr 71 (Ger)

ANALYSIS

[Chromatographic isolation and direct spectrofluorometric determination on the chromatogram of microgram amounts of drugs. IV. Study of injection liquids and tablets containing reserpine and rescinnamine] Frijns JM.
Pharm Weekbl 106:605-23, 6 Aug 71 (Dut)

DIAGNOSTIC USE

[Wolff-Parkinson-White syndrome. I. Generalities. Electrocardiograph and complementary methods. Ajmaline test] Warembourg H, et al.
Lille Med 14:979-85, Nov 69 (Fre)

ISOLATION & PURIFICATION

[N(a)-demethylseredamin, a new alkaloid from Rauwolfia sumatrana; absolute configuration of seredamine] Hanaoka M, et al.
Helv Chim Acta 53:1723-32, 1970 (Ger)

PHARMACODYNAMICS

Pharmacology of peltrine. Wan AS, et al.
Planta Med 19:203-7, Feb 71
[Study of a trial method specific for anxiolytics] Boucard M, et al.
C R Soc Biol (Paris) 164:754-9, 1970 (Fre)
[Detensitral--a new antihypertensive agent] Schaub K, et al. Z Allgemeinmed 46:1350-3, 30 Sep 70 (Ger)

THERAPEUTIC USE

[Therapeutic value of Hydrosarpan 711 in depressive states and psychiatric pathology of the presenium] Bornstein S, et al.
Ann Med Psychol (Paris) 2:433-44, Oct 70 (Fre)
[Clinical activity of a new hypotensive agent] Warembourg H, et al.
Lille Med 15:Suppl 5:1011+, Aug-Sep 70 (Fre)
[Value of a diuretic agent with thiazic-antialdosterone and rescinamine in the treatment of arterial hypertension] Warembourg H, et al.
Lille Med 15:Suppl 5:1014+, Aug-Sep 70 (Fre)
[Value of a thiazic-antialdosterone-rescinnamine association in the treatment of arterial hypertension (42 cases)] Delahaye JP, et al.
Lyon Med 224:627-34, 15 Nov 70 (Fre)
[The treatment of arterial hypertension with an original association of a salidiuretic, an anti-aldosterone and an alkaloid of Rauwolfia] Herne N, et al. Mars Med 108:325-9, 1971 (Fre)
[A new hypotensive agent: FH109C. Apropos of 32 cases] Gilgenkrantz JM, et al.
Presse Med 79:151-2, 23 Jan 71 (Fre)
[Dipaxan in cardiological practice: its value in the treatment of certain rhythm disorders (150 cases)] Gérard R, et al. Sem Ther 44:225-8, Apr 68 (Fre)
[Correlations between reactive hyperemia and response to vasodilator agents in patients with obliterating arteriopathies of the lower limbs] Dabizzi RP, et al. Minerva Cardioangiol 18:287-90, May 70 (Ita)
[Therapeutic considerations on kinetoses] Ferrotti A.
Minerva Med 61:1408-16, 7 Apr 70 (Ita)
[Comparative test of antihypertensive effects of N-diethylaminoethyl reserpine (bietaserpine) and other similar drugs] Murakami M, et al.
Saishin Igaku 26:145-53, Jan 71 (Jap)

YOHIMBINE (D2, D5)

ADMINISTRATION & DOSAGE

[Effect of intravenously injected Raubasin on foot blood supply in patients with arterial blood circulation disorders of the lower limbs] Mahler F, et al. Praxis 59:97-102, 20 Jan 70 (Ger)

ISOLATION & PURIFICATION

[A new alkaloid from Cabucala madagascariensis Pich] Groebel A, et al. Planta Med 19:1-5, Oct 70 (Ger)

PHARMACODYNAMICS

[Effect of yohimbine on the hypothalamo-hypophyseal system in rats. Light-microscopic studies] Kiesewetter M.
Z Zellforsch Mikrosk Anat 114:390-403, 1971 (Ger)

THERAPEUTIC USE

[Trial of hydrosarpan 711 in varicose ulcers] Huriez C, et al. Phlebologie 24:107-15, Jan-Mar 71 (Fre)
[Value of drugs acting on the smooth musculature by direct and indirect routes in therapy of vascular diseases] Labò G, et al.
Cardiol Prat 22:1-9, Feb 71 (Ita)
[Clinical use of Lamuran in frostbite] Kumasaka T.
Acta Dermatol (Kyoto) 65:121-31, Aug 70 (Jap)

YOHIMBINE DERIVATIVES see under YOHIMBANS (D2)

YOKOGAWA'S FLUKE see under METAGONIMUS (B1)

YOUTH see ADOLESCENCE (G1)

YTTERBIUM (D1)

Microsphere measurement of intrarenal circulation of the dog. Slotkoff LM, et al. Circ Res 28:158-66, Feb 71
169 Ytterbium diethylenetriaminepentaacetic acid (169 YB DTPA)--a versatile radiopharmaceutical. James AE Jr, et al. J Can Assoc Radiol 22:136-43, Jun 71
Neoplastic sequelae following subcutaneous implantation of mice with rare earth metals. Ball RA, et al. Proc Soc Exp Biol Med 135:426-30, Nov 70

YTTRIUM (D1)

ANALYSIS

Rare earths in the human body. II. Yttrium and lanthanides in the spleen. Erämetsä O, et al.
Ann Med Exp Biol Fenn 49:35-7, 1971

METABOLISM

Distribution of labelled calcium-, yttriumand chromium-chelates of EDTA in rats. Volf V, et al.
Arch Int Pharmacodyn Ther 190:110-23, Mar 71

THERAPEUTIC USE

[Synovectomy (synoviorthesis) by radioisotopes] Cayla J, et al. Therapeutique 45:190-2, Feb 69 (Fre)

YTTRIUM ISOTOPES (D1)

Pituitary gland ablation by 90yttrium implantation for advancing diabetic retinopathy. A further report. Cullen JF, et al. Br J Ophthalmol 55:217-24, Apr 71
Dosage-depth relationship for a collimated 90 Sr- 90 Y beam. Grossenbacher KA, et al.
Health Phys 19:23-6, Jul 70
[Hypophysiolysis by radioactive yttrium implantation in treatment of advanced breast cancer: 10 years' record] Juret P.
Probl Actuels Endocrinol Nutr 13:373-93, 1969 (Fre)
[Behavior of an established cell line cultivated in the presence of Sr90] Rossi-Torelli M, et al.
Minerva Med 61:4176-80, 26 Sep 70 (Ita)
[Effect of incorporated radionuclides strontium-90-yttrium-90 on the chromosomes of Crepis capillaris] Shevchenko VV.
Radiobiologiia 10:575-9, Jul-Aug 70 (Rus)

METABOLISM

[Influence of isotopic dilution on the behavior of radioyttrium in mammalian organism] Seidel A, et al.
Strahlentherapie 140:717-20, Dec 70 (Ger)
[Influence of DTPA therapy on the incorporation of Y 90 originating from the decomposition of Sr 90] Steinbach KH, et al.
Strahlentherapie 139:318-22, Mar 70 (Ger)
[Sulfhydryl group content and morphological changes in rat organs following intraperitoneal administration of Y-90 and Au-198 colloids] Pavliushchik, et al.
Med Radiol (Mosk) 15:54-60, Aug 70 (Rus)

THERAPEUTIC USE

Intra-articular injection of Y-90 resin colloid in the treatment of rheumatoid knee joint effusions. Oka M, et al. Acta Rheumatol Scand 17:148-59, 1971
Radioactive yttrium in the treatment of rheumatoid knee effusions. Preliminary evaluation. Bridgman JF, et al. Ann Rheum Dis 30:180-2, Mar 71
The long-term results after the stereotactic implantation of yttrium 90 into the pituitary gland as a treatment for Cushing-syndrome. Nadjmi M.
Confin Neurol 32:203-6, 1970
[Intrahypophyseal yttrium 90 implantation in treatment of advanced breast cancer: survey of 300 interventions] Juret P, et al.
J Radiol Electrol Med Nucl 50:845-54, Aug-Sep 69 (Fre)
[Our experience with synoviorthesis using yttrium 90] Ruffie R, et al. Rhumatologie 23:161-4, May 71 (Fre)
[Possibilities of intrapituitary yttrium 90 implantation in the treatment of advanced breast cancer] Juret P.
Therapeutique 47:163-5, Feb 71 (Fre)
[Treatment of Itsenko-Cushing disease by yttrium-90 implantation in the hypophysis] Arutiunov AI, et al.
Vopr Neirokhir 34:25-9, May-Jun 70 (Rus)

ZARONTIN see ETHOSUXIMIDE (D6)

ZEIN (D10)

Molecular beams of macroions. 3. Zein and polyvinylpyrrolidone. Clegg GA, et al.
Biopolymers 10:821-6, 1971

ZEPHIRAN CHLORIDE see BENZALKONIUM CHLORIDE (D3)

ZINC (D1)

Methodology of zinc determinations and the role of zinc in biochemical processes. Mikac-Dević D.
Adv Clin Chem 13:271-333, 1970 (342 ref.)
Fume extraction when welding zinc-coated steels. Gregory EN, et al. Am Ind Hyg Assoc J 32:170-3, Mar 71
Effect of zinc deficiency on wound-healing in rats. Oberleas D, et al. Am J Surg 121:566-8, May 71
Conversion of porphyrin methyl esters to zinc and copper chelates for spectrophotometric analysis. Doss M. Anal Biochem 39:7-14, Jan 71
Chloride NMR studies on the zinc-binding site in E. coli

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

alkaline phosphatase. Cottam GL, et al.
Arch Biochem Biophys 141:768-70, Dec 70
Mn 2+ , and Zn 2+ 1:1 complexes with biochemically significant thioether carboxylic acids and some of the sulfoxide and sulfone derivatives. Griesser R, et al.
Arch Biochem Biophys 144:628-35, Jun 71
Binding sites for zinc (II) in bacitracin. Cornell NW, et al. Biochem Biophys Res Commun 40:530-6, 11 Aug 70
A rapid method for removal of zinc from the metallo neutral proteases. Feder J, et al.
Biochem Biophys Res Commun 43:943-8, 4 Jun 71
An investigation by Raman spectroscopy of the base-proton dissociation of ATP in aqueous solution and the interactions of ATP with Zn++ and Mn++. Rimai L, et al.
Biochem Biophys Res Commun 41:313-20, 23 Oct 70
Hepatic drug metabolism in zinc-deficient rats. Becking GC, et al.
Biochem Pharmacol 19:895-902, Mar 70
Kinetics of carboxypeptidase A. The pH dependence of tripeptide hydrolysis catalyzed by zinc, cobalt, and manganese enzymes. Auld DS, et al.
Biochemistry 9:4352-9, 27 Oct 70
Interaction of metal ions with nucleic acids and related compounds. XVII. On the mechanism of degradation of polyribonucleotides and oligoribonucleotides by zinc(II) ions. Butzow JJ, et al.
Biochemistry 10:2019-27, 25 May 71
Interaction of metal ions with nucleic acids and related compounds. XVI. Specific cleavage effects in the depolymerization of ribonucleic acids by zinc(II) ions. Eichhorn GL, et al. Biochemistry 10:2014-9, 25 May 71
Complex formation of zinc and cadmium with glutathione. Perrin DD, et al.
Biochim Biophys Acta 230:96-104, 26 Jan 71
Further demonstration that cysteine reacts with the metal component of collagenase. Seifter S, et al.
Biochim Biophys Acta 214:559-61, 29 Sep 70
Effects of zinc deficiency on food intake and feeding patterns of rats. Chesters JK, et al.
Br J Nutr 24:1061-9, Dec 70
The effects of early zinc deficiency on DNA and protein synthesis in the rat. Williams RB, et al.
Br J Nutr 24:1053-9, Dec 70
Activity of alkaline phosphatase and carbonic anhydrase in male and female zinc-deficient rats. Iqbal M. Enzyme 12:33-40, 1971
The functional properties of the Zn2(plus)-and Co2(plus)-alkaline phosphatases of Escherichia coli. Labelling of the active site with pyrophosphate, complex formation with arsenate, and reinvestigation of the role of the zinc atoms. Petitclerc C, et al.
Eur J Biochem 14:301-8, Jun 70
A study of some glycine and leucine peptide complexes of copper, nickel, and zinc. Bair ML, et al.
J Am Chem Soc 93:1140-8, 10 Mar 71
Phosphate binding to alkaline phosphatase. Metal ion dependence. Applebury ML, et al.
J Biol Chem 245:4968-78, 10 Oct 70
Alpha-(5,6-dimethylbenzimidazolyl)hydrogenobamide and its copper and zinc analogues. Koppenhagen VB, et al. J Biol Chem 246:3075-7, 10 May 71
Rabbit muscle adenosine 5'-monophosphate aminohydrolase. Characterization as a zinc metalloenzyme. Zielke CL, et al.
J Biol Chem 246:2179-86, 10 Apr 71
Studies of endocrine function in boys with retarded growth, delayed sexual maturation and zinc deficiency. Coble YD Jr, et al.
J Clin Endocrinol Metab 32:361-7, Mar 71
Testicular and esophageal lesions in zinc-deficient rats and their reversibility. Diamond I, et al.
J Nutr 101:77-84, Jan 71
Zinc deficiency and urinary excretion of taurine-35S and inorganic sulfate-35S following cystine-35S injection in rats. Hsu JM, et al.
J Nutr 100:1189-95, Oct 70
Clay ingestion (geophagia) as a source of zinc for rats. Smith JC Jr, et al. J Nutr 100:973-80, Aug 70
Chemical induction of tubal blockade in the monkey. Neuwirth RS, et al. Obstet Gynecol 38:51-4, Jul 71
Human zinc deficiency. Halsted JA.
Trans Am Clin Climatol Assoc 82:170-6, 26 Oct 70
The status of zinc in human nutrition. Fox MR. World Rev Nutr Diet 12:208-26, 1970 (75 ref.)
[Suitability of the zinc-heat treatment for recovery and enrichment of enzyme preparations from various organs. Leucine aminopeptidase and lactate dehydrogenase from crystalline lens, kidney and liver] Glässer D, et al.
Hoppe Seylers Z Physiol Chem 351:1329-36, Nov 70 (Ger)
[Hygienic evaluation of the process of hot zincing] Talakina EI, et al. Gig Sanit 35:89-91, Jul 70 (Rus)
[Reaction of quinine, trichomonacide and aminoquinol with ammonium rhodanozincate] Iakovleva LF, et al.
Farm Zh 25:17-20, 1970 (Ukr)

ADMINISTRATION & DOSAGE

The effect of oral zinc sulfate on protein-bound zinc in serum. Boyett JD, et al. Ala J Med Sci 8:124-31, Jan 71
Hypertension and tissue metal levels after intraperitoneal cadmium, mercury, and zinc. Perry HM Jr, et al. Am J Physiol 220:808-11, Mar 71
Effects of long-continued ingestion of zinc sulphate in patients with venous leg ulceration. Greaves MW, et al. Lancet 2:889-91, 31 Oct 70
Oral zinc sulphate in sickle-cell ulcers. Serjeant GR, et al. Lancet 2:891-2, 31 Oct 70
Preliminary observations on the effect of oral zinc sulfate on the healing of decubitus ulcers. Brewer RD Jr, et al.
Proc Annu Clin Spinal Cord Inj Conf 15:93-6, 7 Nov 66
The effect of oral zinc sulfate on the healing of decubitus ulcers in spinal cord injured patients. Brewer RD Jr, et al.
Proc Annu Clin Spinal Cord Inj Conf 16:70-2, 1967
Early tissue 65 Zn distribution after duodenal dosing in calves fed zinc-deficient and control diets. Pate FM, et al. Proc Soc Exp Biol Med 135:653-6, Dec 70
[Treatment of varicose ulcers with oral zinc sulphate] Rouques L. Presse Med 78:2437, 19 Dec 70 (Fre)
[Effect of drug solutions on the activity of the ciliary epithelium of the nasal mucosa] Szabon J, et al.
Arzneim Forsch 20:1088-91, Aug 70 (Ger)
[Fish liver oil-zinc ointment-spray in decubitus therapy] Mühlig WG. Med Welt 27:1153, 10 Jul 71 (Ger)

ANALYSIS

Concentration of zinc in some hard and soft tissues of rat determined by neutron activation analysis. Bergman B.
Acta Radiol [Ther] (Stockh) 9:420-32, Oct 70
Osmium-zinc iodide reactivity in human blood and bone marrow cells. Clark MA, et al.
Anat Rec 170:81-95, May 71
Bacillus megaterium neutral protease, a zinc-containing metalloenzyme. Keay L, et al.
Biochim Biophys Acta 229:829-35, 23 Mar 71
Neutron activation analysis of trace elements in skin. V. Copper and zinc in psoriasis. Molokhia MM, et al.
Br J Dermatol 83:376-81, Sep 70
Zinc, copper and manganese in the alimentary tract of sheep. Bremner I. Br J Nutr 24:769-83, Sep 70
The distribution of copper, zinc and manganese in various regions of the brain and in other tissues of children with protein-calorie malnutrition. Lehmann BH, et al. Br J Nutr 26:197-202, Sep 71
Simultaneous direct estimation by atomic absorption spectrophotometry of copper and zinc in serum, urine, and cerebrospinal fluid. Meret S, et al.
Clin Chem 17:369-73, May 71
Iron, copper, and zinc in rat brain. Kofod B.
Eur J Pharmacol 13:40-5, 1970
Seminal fluid and spermatozoon zinc levels and their relationship to human spermatozoon motility. Janick J, et al. Fertil Steril 22:573-80, Sep 71
Simultaneous determination of copper, manganese and zinc in biological materials by means of neutron activation analysis and chelate extraction. Wesch H, et al. Int J Appl Radiat Isot 21:431-3, Jul 70
The absence of zinc in bovine liver glutamate dehydrogenase. Colman RF, et al.
J Biol Chem 245:6190-5, 25 Nov 70
Metal complexes of phosphoglucomutase in vivo. Alterations induced by insulin. Peck EJ Jr, et al.
J Biol Chem 246:1160-7, 25 Feb 71
Pyruvate carboxylase from baker's yeast. The presence of bound zinc. Scrutton MC, et al.
J Biol Chem 245:6220-7, 25 Nov 70
Tissue copper, zinc, and manganese levels in Wilson's disease: studies with the use of neutron activation analysis. Yeh SJ, et al. J Lab Clin Med 77:438-44, Mar 71
Trace elements in intravenous fluids. James BE, et al.
Med J Aust 2:1161-3, 19 Dec 70
Zinc in hair as a measure of zinc nutriture in human beings. Nutr Rev 28:209-11, Aug 70
Localization of the zinc binding site of aspartate transcarbamoylase in the regulatory subunit. Rosenbusch JP, et al.
Proc Natl Acad Sci USA 68:1019-23, May 71
The distribution and excretion of zinc bacitracin-14C in rats and swine. Donoso J, et al.
Toxicol Appl Pharmacol 17:366-74, Sep 70
[X-ray fluorescence study of zinc, copper and cobalt in the pancreas of various mammals] Galabowa R, et al.
Acta Histochem (Jena) 39:335-42, 1971 (Ger)
[Fluorescence microscopy demonstration of zinc with 2-methyl-8-hydroxyquinoline] Hahn von Dorsche H, et al. Acta Histochem (Jena) 38:356-62, 1970 (Ger)
[The content of zinc in the lung of coalminers with silicosis] Amort H, et al.
Int Arch Arbeitsmed 26:351-62, 1970 (Ger)
[Trace elements in food. I. Zinc] Schlettwein-Gsell D, et al.
Int Z Vitaminforsch 40:659-72, 1970 (42 ref.) (Ger)
[Sodium, zinc and managanese available to dairy cows grazing on weathered soils of different geological origins, as determined by analysis of the black hairs of the cattle, and of hops and purple clover] Schellner G.
Monatsh Vet Med 26:249-55, 1 Apr 71 (Ger)
[Zinc values in the liver and urine in liver cirrhosis] Kallai L, et al.
Schweiz Med Wochenschr 101:643-6, 8 May 71 (Ger)
[Time course of the concentration of Mn, Cu and Zn in liver, spleen and thymus of rats with Yoshida ascites sarcoma] Zimmerer J, et al.
Z Krebsforsch 74:15-9, 1970 (Ger)
[Zinc in urinary calculi] Schneider HJ, et al.
Z Urol Nephrol 63:895-900, Dec 70 (Ger)
[Determination of zinc in insulin preparations with EDTA] Nagasawa K, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:87-8, 1970 (Jap)
[On the official inspection of coal-tar dyes in 1969. 3. Analysis of Cr, Zn, Fe and Pb contaminants in food coal-tar dyes and their aluminium lakes by atomic absorption spectrophotometry] Tonogai Y, et al.
Bull Nati Inst Hyg Sci (Tokyo) 88:139-43, 1970 (Jap)
[Studies on zinc determination by atomic absorption spectroscopy and its clinical application] Matsumoto H. J Jap Soc Intern Med 60:203-14, Mar 71 (Jap)
[Metal content in various tissues] Kitaguchi K, et al.
Jap J Clin Pathol 19:33-41, Jan 71 (Jap)
[The relationship between Cd and Zn contents and the annual ring of sugi tree in the basin of the Jinzu River] Ishizaki A, et al. Jap J Hyg 25:376-82, Oct 70 (Jap)
[Effects of air and water pollution on agricultural products by Cd, Pb, Zn attributed to mine refinery in Annaka City, Gunma Prefecture] Kobayashi J, et al.
Jap J Hyg 25:364-75, Oct 70 (Jap)
[Iron, copper, and zinc content of human hair] Sakai A.
Jap J Hyg 25:420-37, Dec 70 (Jap)
[Comparative studies on the determination of zinc in water by the colorimetric method] Sikorowska C, et al. Rocz Panstw Zaki Hig 22:17-24, 1971 (Pol)
[Method for determination of trace amount of zinc in biological material] Sokolowska TZ.
Rocz Panstw Zaki Hig 22:161-7, 1971 (Pol)
[Zinc distribution in the islands of Langerhans in several mammals] Eshchenko VA.
Arkh Anat Gistol Embriol 58:43-8, Jun 70 (Rus)
[Precipitation reactions with complex zinc rhodanide of drug preparations containing quaternary nitrogen atom] Iavorskii NP, et al.
Farmatsiia 20:65-7, Mar-Apr 71 (Rus)
[Photometric determination of zinc and lead in water by using sulfarsazen] Iagodnitsyn MA.
Gig Sanit 35:82-3, Nov 70 (Rus)
[Certain zinc-containing dehydrogenases in acute myocardial infarct] Dovagiallo GKh, et al.
Ter Arkh 42:84-6, Apr 70 (Rus)
[Histochemical detection of zinc using fluorescent 8-(arensulfonilamino)-quinolines] Toroptsev IV, et al.
Tsitologiia 12:1481-4, 1970 (Rus)

BLOOD

The effect of oral zinc sulfate on protein-bound zinc in serum. Boyett JD, et al. Ala J Med Sci 8:124-31, Jan 71
Magnesium, zinc, and copper in dialysis patients. Mahler DJ, et al. Am J Clin Pathol 56:17-23, Jul 71
Serum copper and zinc levels in various pathologic conditions. Sinha SN, et al.
Am J Clin Pathol 54:570-7, Oct 70
Zinc and copper in psoriasis. Greaves MW.
Br J Dermatol 84:178-9, Feb 71
Biological applications of the carbon rod atomizer in atomic absorption spectroscopy. 1. Preliminary studies on magnesium, iron, copper, lead, and zinc in blood and plasma. Matoušek JP, et al.
Clin Chem 17:363-8, May 71
Leucocyte zinc in diabetes mellitus. Pidduck HG, et al.
Diabetes 20:206-13, Apr 71
Serum copper and zinc levels in patients taking oral contraceptives. Schenker JG, et al.
Fertil Steril 22:229-34, Apr 71
Trace metal behaviour in rabbits after whole-body irradiation. Woods AH, et al.
Int J Appl Radiat Isot 21:389-94, Jul 70
Plasma, erythrocyte and leucocyte zinc levels in Down's syndrome. Milunsky A, et al.
J Ment Defic Res 14:99-105, Jun 70
Effects of steroid pharmaceuticals on plasma zinc. Briggs MH, et al. Nature (Lond) 232:480-1, 13 Aug 71
Effect of synthetic double-stranded RNA on serum metals in the rat, rabbit, and monkey. Pekarek RS.
Proc Soc Exp Biol Med 136:584-7, Feb 71
Serum, whole blood and erythrocyte zinc levels in normal South African Bantu. Kew MC, et al.
S Afr J Med Sci 35:57-9, Jul 70
Serum iron, copper, magnesium and zinc concentration in chronic pulmonary tuberculosis during chemotherapy with capreomycin-ethambutol-rifampicin combinations. Elo R, et al. Scand J Resp Dis 51:249-55, 1970
[Plasma zinc concentration in uremic patients during hemodialysis] Zazgornik J, et al.
Klin Wochenschr 49:278-80, 1 Mar 71 (Ger)
[Serum zinc level and its variations in some diseases in childhood] Hellwege HH.
Monatsschr Kinderheilkd 119:37-41, Jan 71 (Ger)
[Determination by means of atomic absorption spectrophotometry of calcium, magnesium, iron, copper and zinc in the blood of normal children and adolescents] Poggini G, et al.
Riv Clin Pediatr 81:597-604, Jul-Aug 68 (Ita)
[Zinc--how to read its figures] Hiraki K, et al.
Jap J Clin Med 29:Suppl:413-8, Jan 71 (44 ref.) (Jap)
[Evaluation of the clinical usefulness of the

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

determination of zinc in granulocytes in patients with laryngeal carcinoma] Peszyński J, et al. Otolaryngol Pol 24:511-3, 1970 (Pol)
[Normalization in the content of microelements in blood after surgical therapy of goiter] Furmanenko NF. Klin Khir 10:48-51, Oct 69 (Rus)
[Blood copper, zinc, iron, cobalt levels in "dust bronchitis" and pneumoconiosis] Seman'kiv IL. Vrach Delo 3:133-4, Mar 71 (Rus)
[Content of some microelements in the blood of women with acute inflammatory processes of sex organs] Marchuk OIa. Pediatr Akush Ginekol 2:49-51, Mar-Apr 70 (Ukr)

METABOLISM

Evidence for tightly-bound zinc in leucine aminopeptidase from pig kidney. Lisowski J, et al. Acta Biochim Pol 17:311-24, 1970
Fate of intravenously injected copper, chromium, lanthanum, manganese, strontium and zinc beta-glycerophosphates. Anghileri LJ. Acta Isot (Padova) 7:281-7, 30 Dec 67
Comparative study of distribution of injected zinc 65 in the mandibular condyle and other tissues in rat as determined by gamma scintillation. Bergman B. Acta Radiol [Ther] (Stockh) 9:577-95, Dec 70
Correlation of zinc concentrations in human plasma and hair. McBean LD, et al. Am J Clin Nutr 24:506-9, May 71
Maternal-fetal metabolism of copper and zinc at term. Henkin RI, et al. Am J Obstet Gynecol 110:131-4, 1 May 71
Pancreatic incorporation of 65Zn and histidine-14C into secreted proteins of the pig. Pekas JC. Am J Physiol 220:799-803, Mar 71
Wound fluid zinc levels during tissue repair. Sequential determination by means of surgically implanted teflon cylinders. Lichti EL, et al. Am J Surg 121:665-7, Jun 71
Zinc metabolism in renal failure. Condon CJ, et al. Ann Intern Med 73:531-6, Oct 70
Zinc: human nutrition and metabolic effects. Prasad AS, et al. Ann Intern Med 73:631-6, Oct 70 (45 ref.)
Studies of zinc metabolism in the rat. I. Dose-response effects of cadmium. Petering HG, et al. Arch Environ Health 23:93-101, Aug 71
Phenothiazine derivatives and brain zinc. Turnover radioactive isotope study. Czerniak P, et al. Arch Neurol 24:555-60, Jun 71
Relation of zinc metalloenzyme activities to zinc concentrations in tissues. Reinhold JG, et al. Biochim Biophys Acta 215:430-7, 22 Sep 70
Interrelationships between the utilization of magnesium and the uptake of other bivalent cations by bacteria. Webb M. Biochim Biophys Acta 222:428-39, 24 Nov 70
Microbiological leaching of a zinc sulfide concentrate. Torma AE, et al. Biotechnol Bioeng 12:501-17, Jul 70
Zinc and the skin. Portnoy B, et al. Br J Dermatol 83:412-4, Sep 70 (29 ref.)
The experimental production of zinc deficiency in the rat. Williams RB, et al. Br J Nutr 24:989-1003, Dec 70
Preliminary studies of zinc metabolism in carcinoma of the prostate gland. Boddy K, et al. Br J Urol 42:475-80, Aug 70
Inheritance of diabetes. McEvedy MB. Br Med J 1:458-9, 20 Feb 71
The zinc story: an introduction. Bradley DF Jr. Conn Med 34:805-7, Nov 70
Uptake and localization of radioactive zinc in the visceral complex of the land pulmonate Arion rufus. Schoettli G, et al. Experientia 26:1212-3, 15 Nov 70
Connective tissue alterations in zinc deficiency. Westmoreland N. Fed Proc 30:1001-10, May-Jun 71
Zinc-calcium interrelationships in recurrent renal stone formation. King LR, et al. Invest Urol 8:405-11, Jan 71
Utilization of inorganic elements by young women eating iron-fortified foods. White HS, et al. J Am Diet Assoc 59:27-33, Jul 71
Circadian variation in copper and zinc in man. Lifschitz MD, et al. J Appl Physiol 31:88-92, Jul 71
Fate of intravenously administered zinc chelates in man. Rosoff B, et al. J Appl Physiol 30:12-6, Jan 71
Studies on the mechanism of hrmonal stimulation of zinc uptake in human cell cultures: hormone-cell interactions and characteristics of zinc accumulation. Cox RP, et al. J Cell Physiol 77:71-81, Feb 71
Zinc nutrition of cattle: a review. Miller WJ. J Dairy Sci 53:1123-35, Aug 70 (129 ref.)
The relationship between the -mannosidase activity and the zinc content of mammalian sex organs. Snaith SM, et al. J Endocrinol 50:659-67, Aug 71
Biochemical effects of zinc difficiency: changes in activities of zinc-dependent enzymes and ribonucleic acid and deoxyribonucleic acid content of tissues. Prasad AS, et al. J Lab Clin Med 77:144-52, Jan 71
The excretion of 65Zn and 54Mn as indices of energy metabolism of Peromyscus polionotus. Chew RM. J Mammal 52:337-50, May 71
Impairment of cystine-35S incorporation into skin protein by zinc-deficient rats. Hsu JM, et al. J Nutr 101:445-52, Apr 71
Effects of dietary zinc and calcium on the retention and distribution of zinc in rats fed semipurified diets. Huber AM, et al. J Nutr 100:949-54, Aug 70
Lack of mobilization of bone and liver zinc under teratogenic conditions of zinc deficiency in rats. Hurley LS, et al. J Nutr 101:597-603, May 71
Effects of high but nontoxic levels of zinc in practical diets on 65Zn and zinc metabolism in Holstein calves. Miller WJ, et al. J Nutr 100:893-902, Aug 70
Effect of zinc deficiency on sulfur-35 and hexosamine metabolism in the epiphyseal plate and primary spongiosa of the chick. Nielsen FH, et al. J Nutr 100:903-7, Aug 70
65Zn absorption rate following single duodenal dosing in calves fed zinc-deficient or control diets. Pate FM, et al. J Nutr 100:1259-65, Nov 70
Zinc and smooth muscle contractility. II. Zinc content and accumulation in rat uterus and their relation to contractility changes from zinc and ouabain. Daniel EE, et al. J Pharmacol Exp Ther 178:290-8, Aug 71
Effect of DDT on the nursing neonate. Fahim MS, et al. Nature (Lond) 228:1222-3, 19 Dec 70
Inhibition of Walker 256 carcinosarcoma growth of dietary zinc deficiency. DeWys W, et al. Proc Soc Exp Biol Med 135:17-22, Oct 70
Early tissue 65 Zn distribution after duodenal dosing in calves fed zinc-deficient and control diets. Pate FM, et al. Proc Soc Exp Biol Med 135:653-6, Dec 70
Binding capacity of intestinal mucosa and blood plasma for zinc. Suso FA, et al. Proc Soc Exp Biol Med 137:306-9, May 71
Studies on zinc absorption: 65Zn binding by homogenates of rat intestinal mucosa. Van Campen DR, et al. Proc Soc Exp Biol Med 136:294-7, Jan 71
Effects of radiation on zinc metabolism of sheep. Sasser LB, et al. Radiat Res 46:115-28, Apr 71
Interference of Cd++ on the turnover of zinc orally administered. Chueca A, et al. Rev Esp Fisiol 27:143-8, Jun 71
[A fluorescence technic for the detection of zinc applied to the tepetum of young dogs] Boedts F, et al. Ann Histochim 16:141-7, Apr-Jun 71 (Fre)
[Zinc in teratogenic ariboflavinosis in the rat] Potier de Courcy G, et al. Arch Sci Physiol (Paris) 24:409-17, 1970 (Fre)
[Localization of zinc in the dental tissues during the development of the rat] Baratieri A, et al. Bull Group Int Rech Sci Stomatol 13:369-81, Jul-Oct 70 (Fre)
[Influence in the rat of the ingestion of lactose simultaneously with 65Zn, on the utilization of this element] Fournier P, et al. Diabetes 20:3061-4, Jul 71 (Fre)
[Zinc metabolism in the pig. 1. Introduction and methods] Kment A, et al. Wien Tieraerztl Monatsschr 57:337-40, Oct 70 (Ger)
[Zinc metabolism in the pig. 2. Balance studies and compartment analyses] Leibetseder J, et al. Wien Tieraerztl Monatsschr 58:49-53, 1971 (Ger)
[Influence of the Ca-complexes of aminopolycarboxylic acids on the excretion and distribution of zinc] Eybl V, et al. Z Gesamte Exp Med 152:274-83, 23 Aug 70 (Ger)
[Hormonal regulation of Zn metabolism] Dorn F, et al. Z Klin Chem Klin Biochem 8:618-20, Nov 70 (Ger)
[Zinc content of granulocytes in corpus carcinoma of the uterus] Wolansky D, et al. Zentralbl Gynaekol 93:337-40, 13 Mar 71 (Ger)
[Effect of aging on the human insulo-pancreatic apparatus. II. Histochemical evaluation of the zinc content] Botticelli A, et al. Boll Soc Ital Biol Sper 47:71-2, 15 Feb 71 (Ita)
[Anomaly of zinc and copper metabolism in hepatic diseases] Okumura M, et al. Jap J Clin Pathol 19:63-7, Jan 71 (Jap)
[Zinc deficiency in Klinefelter's syndrome] Kończewska Z, et al. Pol Tyg Lek 26:431-3, 22 Mar 71 (Pol)
[Zn 65 uptake in the cirrhotic liver of rats treated with carbon tetrachloride] Owczarek L. Poznan Tow Przyj Nauk Wydz Lek 38:169-86, Apr 68 (Pol)
[The identity of zinc- and insulin-containing granules in the B cells of the islets of Langerhans] Toroptsev IV, et al. Biull Eksp Biol Med 69:110-3, Apr 70 (Rus)
[Zinc deficiency in human and animal nutrition] Smoliar VI. Gig Sanit 35:65-9, Oct 70 (69 ref.) (Rus)
[Effect of small doses of copper, manganese and zinc on the animal organism] Vorob'eva AM. Gig Sanit 35:96-8, Nov 70 (Rus)
[Zinc metabolism in the animal organism] Lazaris IaA, et al. Usp Sovrem Biol 70:255-75, Sep-Oct 70 (302 ref.) (Rus)
[The significance of various microelements (Ni, Cu, Zn, Fe) in the general immunologic reactivity of the animal body] Pakhomov IuN. Zh Mikrobiol Epidemiol Immunobiol 47:128-31, Dec 70 (Rus)
[Age-conditioned peculiarities in distribution of trace elements (iron, copper, zinc, cobalt) in blood, tonsils and adenoids of children, suffering from some diseases of the pharyngeal lymphatic ring] Grinberg IaI. Zh Ushn Nos Gorl Bolezn 30:82-6, Jul-Aug 70 (Rus)
[Changes in zinc content in organs of rabbits under the effect of thiophosphamide] Savitskii IV, et al. Fiziol Zh 16:554-7, Jul-Aug 70 (Ukr)
[Some indices of microelements- and estrogens metabolism in prolonged pregnancy] Samoilenko VA. Pediatr Akush Ginekol 5:39-41, Sep-Oct 70 (Ukr)
[Content of zinc and activity of carbonic anhydrase in tissues in experimental leukosis] Babenko GA, et al. Ukr Biokhim Zh 42:108-12, 1970 (Ukr)

PHARMACODYNAMICS

Effect of supplemental zinc on wound healing in rats. Quarantillo EP Jr. Am J Surg 121:661-4, Jun 71
Lack of acceleration of healing with zinc sulfate. Barcia PJ. Ann Surg 172:1048-50, Dec 70
Vascular reactivity of rats altered by cadmium and a zinc chelate. Schroeder HA, et al. Arch Environ Health 21:809-14, Nov 70
Toxicity of zinc, copper and lead to Chlorophyta from flowing waters. Whitton BA. Arch Mikrobiol 72:353-60, 1970
Mechanism for cadmium and zinc antagonism of copper metabolism. Evans GW, et al. Biochem Biophys Res Commun 40:1142-8, 10 Sep 70
Inhibition of nonphosphorylating electron transfer by zinc. The problem of delineating interaction sites. Nicholls P, et al. Biochemistry 7:305-10, Jan 68
Spasmolytic effects of cadmium and zinc ions upon the guinea-pig isolated ileum preparation. Schnieden H, et al. Br J Pharmacol 41:488-99, Mar 71
Studies on leukocyte phosphatases. II. Inhibition of leukocyte alkaline phosphatase by amino acids and its reversal by zinc. DeChatelet LR, et al. Clin Chem 17:210-3, Mar 71
Multiplicity and specificity of UDP-glucuronyltransferase. I. Effect of divalent cations and EDTA on the activity of UDP-glucuronyltransferase assayed with bilirubin, 4-methylumbelliferone and p-nitrophenol. Frei J. Enzymol Biol Clin (Basel) 11:385-401, 1970
Effect of in vitro addition of zinc on alkaline phosphatase activity in the zinc-deficient rat. Iqbal M. Enzymol Biol Clin (Basel) 11:412-22, 1970
The influence of ribonucleic acid & some of its structural constituents on metal toxicities in Corcyra cephalonica St. Adiga PR, et al. Indian J Biochem 7:130-2, Jun 70
Effectiveness of Zn-DTPA in removal of plutonium from rats. Seidel A, et al. Int J Radiat Biol 19:399-400, 1971
Trace elements and reproduction of Leptospirae. Burger G, et al. J Appl Bacteriol 33:775-8, Dec 70
Effects of dietary zinc and calcium on the retention and distribution of zinc in rats fed semipurified diets. Huber AM, et al. J Nutr 100:949-54, Aug 70
Effects of high but nontoxic levels of zinc in practical diets on 65Zn and zinc metabolism in Holstein calves. Miller WJ, et al. J Nutr 100:893-902, Aug 70
Effect of supplementary zinc on the intracellular distribution of hepatic copper in rats. Whanger PD, et al. J Nutr 101:1093-7, Aug 71
Zinc and smooth muscle contractility. I. Study of the mechanisms of zinc-induced contractility changes in rat uteri. Daniel EE, et al. J Pharmacol Exp Ther 178:282-9, Aug 71
Modification of transmitter release by ions which prolong the presynaptic action potential. Benoit PR, et al. J Physiol (Lond) 210:681-95, Oct 70
The differential effects of tetraethylammonium and zinc ions on the resting conductance of frog skeletal muscle. Stanfield PR. J Physiol (Lond) 209:231-56, Jul 70
The effect of orally administered zinc sulfate (ZNSO4) on healing incised wounds. Kim ZW, et al. J Surg Res 10:597-9, Dec 70
Zinc effects on growth and cynodontin production of helminthosporium cynodontis. White JP, et al. Mycologia 63:548-61, May-Jun 71
Morphologic and autoradiographic observations on the effect of zinc deficiency on endochondral growth sites in the white rat. Bergman B, et al. Odontol Revy 21:379-99, 1970
Interrelationship between selenium and specific trace elements. McConnell KP, et al. Proc Soc Exp Biol Med 137:996-1001, Jul 71
Kinetics of the Zn 2+ - stimulation of human peripheral lmphocytes in vitro. Rühl H, et al. Proc Soc Exp Biol Med 137:1089-92, Jul 71
Teratogenic effects of a chelating agent and their prevention by zinc. Swenerton H, et al. Science 173:62-4, 2 Jul 71
[Comparative study of the effects of zinc and cadmium on cholinesterase activities in rat tissues] Pham-Huu-Chanh, et al. Biochem Pharmacol 20:729-36, Apr 71 (Fre)
[Killing of pathogenic fungi with organic zinc compounds. Fungicidal aerosol disinfection and accumulative impregnation] Rieth H. Mykosen 11:667-70, 1 Sep 68 (15 ref.) (Ger)
[Histomorphological and histoenzymatic changes in the adrenal cortex of zinc-deficient rats and zinc-treated rats] Trentini GP, et al. Boll Soc Ital Biol Sper 45:607-10, 15 May 69 (Ita)
[Relations between zinc and growth and reproduction

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

of the albino rat] Trentini GP, et al.
Boll Soc Ital Biol Sper 45:602-7, 15 May 69 (Ita)
[Change in the heat resistance of Paramecium caudatum dependent on the levels of several metallic ions in the medium] Ambartsumian MA.
Tsitologiia 12:774-82, 1970 (Rus)
[Effect of sodium bicarbonate, Mg2+, Mn2+ and Zn2+ on incorporation of C14 from radioactive acetate into proteins, lipids, liver glycogen and proteins of blood serum in chickens of different age] Gubyf MF, et al.
Ukr Biokhim Zh 42:484-8, 1970 (Ukr)

PHYSIOLOGY

Changes in plasma proteins in zinc-deficient rats. Tao SH, et al. Proc Soc Exp Biol Med 136:165-7, Jan 71
[The role of metal in the active center of adrenoreceptors] Komissarov IV, et al.
Biull Eksp Biol Med 66:61-4, Nov 68 (Rus)

POISONING

[Pulmonary involvement due to zinc chloride smoke] Knaan G, et al. Harefuah 79:489-92, 1 Dec 70 (Heb)
[A case of a favorable course of pregnancy and labor after severe poisoning with zinc phosphate] Kuptsov VV, et al.
Pediatr Akush Ginekol 1:61, Jan-Feb 70 (Ukr)

THERAPEUTIC USE

Vital pulpotomy of deciduous molars using N2 and other materials. Hannah DR, et al.
Br Dent J 130:99-107, 2 Feb 71
Zinc and healing. Auckland G. Lancet 2:1032, 14 Nov 70
Zinc in venous leg ulceration. Greaves MW, et al.
Lancet 1:86, 9 Jan 71
Zinc and healing. Husain SL, et al.
Lancet 2:1361-2, 26 Dec 70
Zinc and healing. Myers MB, et al.
Lancet 2:1253-4, 12 Dec 70
Zinc and healing. Shapiro S, et al.
Lancet 2:1132, 28 Nov 70
Hypogeusia corrected by Ni++ and Zn++. Henkin RI, et al. Life Sci [II] 9:701-9, 22 Jun 70
Inhibition of carcinogenesis by dietary zinc. Poswillo DE, et al. Nature (Lond) 231:447-8, 18 Jun 71
[Zinc therapy in wound healing] Vaaje K.
Tidsskr Nor Laegeforen 91:1162, 30 May 71 (Nor)
[Blood lipoprotein lipase in normal rabbits and during the development of experimental atherosclerosis and the effect of zinc salts on lipase activity] Slobodkina KV, et al. Kardiologiia 11:120-3, 1971 (Rus)

TOXICITY

Effect of heavy metals on dental caries and tooth eruption. Curzon ME, et al.
J Dent Child 37:463-5, Nov-Dec 70
The effects of heavy metals (other than mercury) on marine and estuarine organisms. Bryan GW.
Proc R Soc Lond [Biol] 177:389-410, 13 Apr 71
[Allergic dermatitis developing as a result of contact with Zineb] Zorin PM.
Vestn Dermatol Venerol 44:65-8, Feb 70 (Rus)

URINE

[Kidney threshold for zinc in diabetes mellitus] Seeliger K, et al. Med Klin 65:112-5, 16 Jan 70 (Ger)
[Metabolism and toxicity of therapeutic chelating agents. 8. Excretion of sodium, potassium, magnesium and zinc] Dvořak P.
Strahlentherapie 139:611-8, May 70 (Ger)
[Influence of the Ca-complexes of aminopolycarboxylic acids on the excretion and distribution of zinc] Eybl V, et al.
Z Gesamte Exp Med 152:274-83, 23 Aug 70 (Ger)
[Urinary elimination of zinc in the course of treatment with versenate] Farina G, et al.
Med Lav 61:372-7, Jun-Jul 70 (Ita)
[Study of zinc in urine at the use of CaNa2 EDTA in workers exposed to lead] Durić D, et al.
Arh Hig Rada Toksikol 20:687-91, 1969 (Cro)

ZINC ISOTOPES (D1)

Radioisotope 69mZn chloride prostate gland scan. I. 69mZn organ distribution studies and gamma-camera scan in canine subjects. Gold FM, et al.
Invest Urol 8:231-8, Sep 70
69mZn-chloride-a new scanning agent: a study of its dosimetry and biological fate. Lorber SA, et al.
J Nucl Med 11:699-703, Dec 70

ANALYSIS

Seasonal variation and distribution of 65Zn, 54Mn and 51Cr in tissues of the crab Cancer magister Dana. Tennant DA, et al. Health Phys 16:649-57, Jun 70

BLOOD

65Zn in serum proteins in persons exposed to zinc. Investigation in vitro. Stilinović L.
Arh Hig Rada Toksikol 21:23-6, 1970

METABOLISM

The distribution of 65Zn in the endochondral growth sites of the mandibular condyle and the proximal end of the tibia in young rats. An autoradiographic and gamma scintillation study. Bergman B.
Odontol Revy 21:261-74, 1970
Early tissue 65 Zn distribution after duodenal dosing in calves fed zinc-deficient and control diets. Pate FM, et al. Proc Soc Exp Biol Med 135:653-6, Dec 70
[Uptake of zinc-65 into mast cells after degranulation induced by copper disodium ethylendiamine tetraacetate] Fiedler H, et al.
Histochemie 24:150-5, 1970 (Ger)

ZINC OXIDE-EUGENOL CEMENT (D13)

[Clinical and experimental study on the zinc oxide eugenol cement for cementing on the market. 1. Basic experimental study on its sealing effects] Kosugi K, et al. Shikwa Gakuho 71:1805-16, Jul 71 (Jap)
[Clinico-pathological study on pulp protection with zinc-oxide eugenol cement "Neodyne" following airturbine cavity preparation] Ootsuka H.
Shikwa Gakuho 71:1-43, Jan 71 (Jap)

ADVERSE EFFECTS

Sequelae following the use of eugenol or non-eugenol dressings after gingivectomy and subgingival curettage. Oliver WM, et al.
Dent Pract Dent Rec 21:49-52, Oct 70

PHARMACODYNAMICS

Therapeutic pulpotomy in primary molars--clinical and histological follow-up. II. Zinc oxide-eugenol as wound dressing. Magnusson B.
Odontol Revy 22:45-54, 1971
Pulp capping of primary teeth with zinc oxide eugenol. Sveen OB. Odontol Tidskr 77:427-36, 31 Dec 69

STANDARDS

Properties of zinc oxide-eugenol impression pastes. Tyas MJ, et al. Br Dent J 129:461-6, 17 Nov 70
Tensile strengths of selected restorative dental materials. Hannah CM, et al.
J Prosthet Dent 26:314-23, Sep 71
Sealing effectiveness of dental cements, silicates and resins as indicated by bacterial penetration. Amler MH. NY State Dent J 37:13-8, Jan 71

THERAPEUTIC USE

The efficacy of pulp capping materials. A comparative trial. Shovelton DS, et al. Br Dent J 130:385-91, 4 May 71

ZINC PHOSPHATE CEMENT (D13)

[Chemical processes during the setting of zinc-phosphate cements] Komrska J, et al.
Dtsch Zahnaerztl Z 25:914-21, Sep 70 (Ger)
[Effects of vibration and the thickness of the cement layer] Nishimura F.
J Jap Stomatol Soc 37:459, Dec 70 (Jap)

ADVERSE EFFECTS

[Studies on pulp damage by silicate and silicate-phosphate cement and its prevention] Bartelt I. Dtsch Zahnaerztl Z 26:620-3, Jun 71 (Ger)

ANALYSIS

Structure of zinc phosphate dental cement. Servais GE, et al. J Dent Res 50:613-20, May-Jun 71

PHARMACODYNAMICS

[Clinico-pathological study of pulp response produced by silico-phosphate cement restoration] Koga Y.
Shikwa Gakuho 71:910-65, Mar 71 (Jap)

STANDARDS

Sealing effectiveness of dental cements, silicates and resins as indicated by bacterial penetration. Amler MH. NY State Dent J 37:13-8, Jan 71
Area of the exposed zinc phosphate cement surfaces in fixed restorations. Silness J, et al.
Scand J Dent Res 79:163-77, 1970
[Influence of the heat of reaction upon the rate of setting of zinc phosphate cement] Jorgensen KD, et al. Tandlaegebladet 74:1333-6, Dec 70 (Dan)
[Comparative technological testing of EBA cements and zinc oxide phosphate cements] Welker D.
Dtsch Stomatol 20:762-70, Oct 70 (Ger)
[Comparative laboratory studies on o-ethoxybenzoic acid (EBA) and zinc oxyphosphate cements. 2] Welker D. Dtsch Stomatol 20:801-10, Nov 70 (Ger)
[Film thickness of adhesive cements] Janke G.
Dtsch Zahnaerztl Z 25:1061-4, Nov 70 (Ger)
[Studies on the so-called solubility of dental filling cements] Köhler E.
Dtsch Zahnaerztl Z 26:840-9, Jun 71 (Ger)
[A method of objective registration of the state of tooth filling] Segal' GI.
Biull Eksp Biol Med 71:70-1, Mar-Apr 71 (Rus)

TOXICITY

[Determination of the cytoxic action of some antiseptic agents and filling materials in cell culture] Chuprunova IN.
Stomatologiia (Mosk) 50:20-3, May-Jun 71 (Rus)

ZIRCONIUM (D1)

The use of zirconium sulphate in the preparation of 113mIn and 99mTc-labelled albumin macroaggregates. Chapman C, et al.
Int J Appl Radiat Isot 21:679-81, Nov 70
Semiautomated laboratory production of 99mTc-albumin. Benjamin PP, et al.
J Nucl Med 12:325-6, Jun 71
[Dust and radiation factors in the manufacture of refractory materials from zirconium dioxide] Lemiasev MF, et al. Gig Sanit 35:38-41, Oct 70 (Rus)

ANALYSIS

95Zr and 124Sb in 99Mo-99mTc generators. Wood DE, et al. J Nucl Med 12:307-9, Jun 71

METABOLISM

Pulmonary retention of zirconium oxide (95 Nb) in man and beagle dogs. Waligora SJ Jr.
Health Phys 20:85-91, Jan 71

PHARMACODYNAMICS

In vitro studies of the calculus-inhibiting properties of tooth surface polishing agents and chelating agents. Barnes GP, et al. J Dent Res 50:966-75, Jul-Aug 71

ZOLLINGER-ELLISON SYNDROME (C2)

see also related
ADENOMATOSIS, FAMILIAL ENDOCRINE (C2)

The retained gastric antrum: clinical considerations. Van Heerden JA, et al. Mayo Clin Proc 46:25-8, Jan 71
Zollinger-Ellison syndrome in a nine-year-old child: a case report and review of the entity in childhood. Buchta RM, et al. Pediatrics 47:594-8, Mar 71
Zollinger-Ellison syndrome.
South Med J 64:163-8, Feb 71
[The Zollinger-Ellison syndrome] Christophersen L.
Ugeskr Laeger 133:987-9, 21 May 71 (Dan)
[Zollinger-Ellison syndrome. A review] Rehfeld JF, et al. Ugeskr Laeger 133:979-83, 21 May 71 (51 ref.) (Dan)
[Limits of the Zollinger-Ellison syndrome. 1 case] Guillard J, et al.
Arch Fr Mal App Dig 58:469-76, Jul-Aug 69 (Fre)
[Multiple gastric ulcers and pancreatic tumor] Oppermann A, et al.
Lyon Med 225:121-2, 24 Jan 71 (Fre)
[Anatomo-clinical case of ulcerogenic pancreatic tumor] Vachon A, et al.
Rev Lyon Med 19:645-53, 30 Oct 70 (Fre)
[The Zollinger-Ellison syndrome] Deucher F, et al.
Ther Umsch 27:233-5, Apr 70 (Ger)
[Zollinger-Ellison syndrome. Case report] Ferrero R, et al. Arch Sci Med (Torino) 126:1012-8, Nov 69 (Ita)
[Functioning and non-functioning tumors of the insular pancreas. Pathology, clinical aspects and therapy] Penco T, et al. Osp Ital Chir Suppl 13:1-42, Dec 69 (Ita)
[Zollinger-Ellison syndrome] Oda M, et al.
Jap J Clin Med 28:2383-7, Oct 70 (49 ref.) (Jap)
[Zollinger-Ellison syndrome] Paulino F.
Hospital (Rio de J) 77:747-53, Mar 70 (Por)
[Zollinger-Ellison syndrome] Zhdanov GG, et al.
Khirurgiia (Mosk) 46:142-3, Jul 70 (Rus)

BLOOD

Radioimmunoassay of gastrin in human serum. Stadil F, et al. Scand J Gastroenterol 6:Suppl 9:61-5, 1971
[Diagnosis of Zollinger-Ellison syndrome. Value of serum gastrin determination] Stadil F, et al.
Ugeskr Laeger 133:983-6, 21 May 71 (Dan)

COMPLICATIONS

An interesting case of Zollinger Ellison syndrome. Chaitoughchawong S. Ariz Med 28:292-3, Apr 71
A case of the Zollinger-Ellison syndrome associated with hyperplasia of salivary and Brunner's glands. Jones BS, et al. Gut 11:837-9, Oct 70

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

[Relation of Zollinger-Ellison syndrome to multiple endocrinous adenomatosis. Deliberations on the pathogenesis of various forms of peptic ulcer] Jirásek V.
Cesk Gastroenterol Vyz 24:258-65, Sep 70 (49 ref.) (Cze)
[Polyendocrine adenomatosis (Werner's syndrome) Apropos of a personal case. Review of the literature] Croisier JC, et al.
Sem Hop Paris 47:494-525, 14 Feb 71 (Fre)
[Steatorrhea and gastric hypersecretion (experimental studies on dogs)] Manfredi C, et al.
G Ital Chir 25:161-8, Mar 69 (Ita)

DIAGNOSIS

The diagnosis of the Zollinger-Ellison syndrome. Patterson M. Am J Gastroenterol 54:470-9, Nov 70
The significance of gastric juice analysis. Uthman SM. J Med Liban 23:355-8, 1970
Steps in the diagnosis of three functioning endocrine tumors. Doolas A.
Surg Clin North Am 51:195-210, Feb 71 (87 ref.)
[Recent aspects of the Zollinger-Ellison syndrome] Bonfils S, et al. Brux Med 50:1087-96, Dec 70 (Fre)
[Introduction of medical records. II. Record of gastroenterology]
Lyon Med 225:319-25, 28 Feb 71 (Fre)
[Clinical syndromes of hormonally active pancreatic tumors] Creutzfeldt W, et al.
Chirurg 42:97-105, Mar 71 (Ger)
[Zollinger-Ellison syndrome] Kerkhoven P, et al. Schweiz Med Wochenschr 100:1226-8, 11 Jul 70 (Ger)
[Zollinger-Ellison syndrome] Creutzfeldt W.
Verh Dtsch Ges Inn Med 75:242-64, 1969 (Ger)

DRUG THERAPY

Effects of anticholinergic drugs on Zollinger-Ellison syndrome. Vaidya AB, et al.
Am J Dig Dis 16:657-60, Jul 71

ETIOLOGY

Pancreatic islet hyperplasia as a cause of a severe ulcer diathesis. Hight D, et al. Arch Surg 103:98-100, Jul 71

METABOLISM

The pancreas anthe first hormones. Zollinger RM. Am J Med Sci 60:245-52, Oct 70
Vitamin-B 12 absorption and the Zollinger-Ellison syndrome. Shum HY, et al. Lancet 1:1303, 19 Jun 71
Vitamin-B12 absorption and the Zollinger-Ellison syndrome. Shum HY, et al. Lancet 1:1303, 19 Jun 71
Gastric juice as gastrin-releasing factor in the Zollinger-Ellison syndrome. Stadil F, et al.
Lancet 2:102, 10 Jul 71

MORTALITY

Longevity studies following total gastrectomy. In children with the Zollinger-Ellison syndrome. Wilson SD, et al. Arch Surg 103:108-15, Aug 71

PATHOLOGY

Intracisternal granules in the human pancreas. Brown RE, et al. Arch Pathol 91:351-2, Apr 71
[Anatomo-clinical case of ulcerogenic pancreatic tumor] Vachon A, et al.
Rev Lyon Med 19:645-53, 30 Oct 70 (Fre)
[Zollinger-Ellison syndrome] Wohlgemuth B, et al.
Arch Geschwulstforsch 33:132-48, 1969 (Ger)

PHYSIOPATHOLOGY

Synthetic gastrin as a dual adrenergic blocker. Kaul PN.
Am J Dig Dis 16:127-34, Feb 71
Pancreatic hypersecretion in the Zollinger-Ellison syndrome. Case report. Dyck WP.
Gastroenterology 60:90-5, Jan 71
Gastro-oesophageal sphincter pressure in pernicious anaemia and Zollinger-Ellison syndrome. Isenberg JI, et al. Lancet 1:972-3, 8 May 71

RADIOGRAPHY

[Radiographic findings in the carcinoid and Zollinger-Ellison syndrome] Nägele E.
Verh Dtsch Ges Inn Med 75:675-7, 1969 (Ger)
[Clinical roentgenodiagnosis of Zollinger-Ellison syndrome] Sivash ES.
Vestn Rentgenol Radiol 45:43-9, Sep-Oct 70 (Rus)

SURGERY

[Some aspects of the Zollinger-Ellison syndrome from the surgical viewpoint] Enderlin F.
Chirurg 42:106-11, Mar 71 (Ger)
[Experience in Zollinger-Ellison syndrome] Okubo T, et al. Shujutsu 24:1325-9, Oct 70 (Jap)
[Total gastrectomy in Zollinger-Ellison syndrome] Aliev ShA, et al.
Sov Zdravookhr Kirg 3:56-8, May-Jun 70 (Rus)

ZONA see HERPES ZOSTER (C1)

ZOOLOGY (G1)

see also related
ANIMALS (B2)

[Game biology and comparative animal physiology. I. Introduction] Brüggemann J.
Z Tierphysiol 23:125-8, Nov 67 (Ger)
[The null hypothesis and its application in zoological studies] Smirnov VS.
Zh Obshch Biol 31:62-71, Jan-Feb 70 (Rus)

HISTORY

FWR Brambell. (Brambell FW),
Nature (Lond) 228:694, 14 Nov 70

ZOOMASTIGINA see under MASTIGOPHORA (B1)

ZOONOSES (C1, C15)

Human infection with pig Ascaris (A. suum). Crewe W, et al. Ann Trop Med Parasitol 65:85, Mar 71
Experimental infection of man with pig whipworm. Beer RJ. Br Med J 2:44, 3 Apr 71
Toxocariasis. Woodruff AW.
Br Med J 3:663-9, 19 Sep 70 (51 ref.)
No general danger from pets with cancer.
Br Med J 2:605-6, 12 Jun 71
Arbovirus surveillance in Nigeria, 1964-1967. Causey OR, et al. Bull Soc Pathol Exot 62:249-53, 1969
Malaria as a medical and veterinary zoonosis. Garnham PC. Bull Soc Pathol Exot 62:325-32, 1969
The possible role of domestic animals in the epidemiology of T. rhodesiense sleeping sickness. Wijers DJ. Bull Soc Pathol Exot 62:334, 1969
Some epidemiological aspects of rabies in Nigeria and Ghana. Zwart D. Bull Soc Pathol Exot 62:259-63, 1969
Listeriosis--rare or rarely recognized. Polk LD.
Clin Pediatr (Phila) 9:635, Nov 70
Not typhus either. Freeman A.
J Am Vet Med Assoc 159:143-4, 15 Jul 71
Chimpanzee-associated infectious hepatitis among personnel at an animal hospital. Friedmann CT, et al.
J Am Vet Med Assoc 159:541-5, Sep 71
The apparent transmission of staphylococci of human origin to laboratory animals. Blackmore DK, et al.
J Comp Pathol 80:645-51, Oct 70
The zoonotic importance of urban rats as a potential reservoir for human leptospirosis. Tsai CC, et al.
J Formosan Med Assoc 70:1-4, 28 Jan 71
Skin lesions associated with Cheyletiella yasguri infestation. Dodd K. J Ir Med Assoc 63:413-4, Nov 70
An outbreak of animal ringworm. Mulroy R.
Practitioner 206:673-5, May 71
Schistosomiasis as a zoonosis in Nigeria. Hira PR.
West Afr Med J 19:57-8, Apr 70
[Zoonoses] Talanti S. Duodecim 87:495-510, 1971 (Fin)
[Role of animals in the etiology and epidemiology of new zoonoses: angiostrongyliosis] Guilhon J.
Bull Acad Natl Med (Paris) 155:223-32, 16 Mar 71 (Fre)
[Biologic relations among various geographic strains of the Schistosoma haematobium complex] Azevedo JF de. Bull Soc Pathol Exot 62:348-75, 1969 (Fre)
[Tropical zoonoses: introduction; definitions] Blanc F, et al. Bull Soc Pathol Exot 62:176-92, 1969 (Fre)
[Tropical viral zoonoses] Brès P, et al.
Bull Soc Pathol Exot 62:192-9, 1969 (Fre)
[Existence in France of Angiostrongylus (Metastrongyloidea, Nematoda, a parasite of wild rodents)] Doby JM, et al.
Bull Soc Pathol Exot 63:376-81, May-Jun 70 (Fre)
[Parasitic zoonoses] Galliard H.
Bull Soc Pathol Exot 62:214-29, 1969 (Fre)
[Bacterial and rickettsial zoonoses] Girard G, et al.
Bull Soc Pathol Exot 62:200-14, 1969 (Fre)
[Tropical neorickettsial and rickettsial zoonoses] Giroud P, et al.
Bull Soc Pathol Exot 62:295-303, 1969 (Fre)
[Zoonoses and parasite adaptation] Harant H.
Bull Soc Pathol Exot 62:229-46, 1969 (Fre)
[Importation of exotic birds and neorickettsia] Jadin J, et al. Bull Soc Pathol Exot 62:285-8, 1969 (Fre)
[Epidemiologic data on the Schistosoma heamatobium complex in South Saharan Africa] Larivière M, et al.
Bull Soc Pathol Exot 62:376-84, 1969 (Fre)
[Muskrats, Ondatra (Fiber zibethicus, Linnaeus), carriers in France of various leptospirian serotypes: isolation of the 1st French strain related to the Hebdomadis serogroup] Lataste-Dorolle C, et al.
Bull Soc Pathol Exot 62:312-20, 1969 (Fre)
[Tularemia in Rumania] Pencea I, et al.
Bull Soc Pathol Exot 62:343-8, 1969 (Fre)
[Ancylostoma braziliense and A. ceylanicum] Rep BH.
Bull Soc Pathol Exot 63:421-8, 1969 (Fre)
[Leishmanioses in the Mediterranean "Midi": results of an ecologic survey] Rioux JA, et al.
Bull Soc Pathol Exot 62:332-3, 1969 (Fre)
[Rickettsioses endemic to the USSR and their reservoirs] Zdrodowski P, et al.
Bull Soc Pathol Exot 62:288-95, 1969 (Fre)
[Animal diseases transmitted to humans in France]
Lyon Med 224:581-625, 15 Nov 70 (Fre)
[Etiology of principal human infectious and parasitic diseases due to ingestion of food of animal origin] Fassi-Fehri M. Maroc Med 49:727-36, Dec 69 (Fre)
[Importance of rickettsial or neorickettsial zoonoses demonstrated in human and animal pathology] Giroud P. Maroc Med 49:279-87, May 69 (Fre)
[The arenoviruses, a new group of viral agents of medical importance] Chastel C.
Med Trop (Mars) 30:801-8, Nov-Dec 70 (50 ref.) (Fre)
[Animal viral anemia: equine infectious anemia] Goret P, et al. Pathol Biol (Paris) 18:985-95, Nov 70 (Fre)
[Significance of the vertebrate reservoir as a cause of tropical parasitoses in man] Krampitz HE.
Beri Munch Tieraerztl Wochenschr 83:172-6, 1 May 70 (Ger)
[Viral anthropo-zoonoses] Habermehl KO.
Dtsch Med J 20:245-8, 20 Apr 69 (Ger)
[The significance of animals as source of infection of man with toxoplasma] Janitschke K.
Dtsch Med Wochenschr 96:78-83, 8 Jan 71 (60 ref.) (Ger)
[Subacute bacterial endocarditis as a complication of infections transmitted to man from animals (Zoonosis endocarditis)] Kast A, et al.
Dtsch Tieraerztl Wochenschr 78:222-8 concl, 1 Apr 71 (Ger)
[Subacute bacterial endocarditis as a complication of infections transmitted to man from animals (Zoonosis endocarditis)] Kast A, et al.
Dtsch Tieraerztl Wochenschr 78:223-8 contd, 1 Apr 71 (Ger)
[Subacute bacterial endocarditis as complication of infections carried from animal to human (zoonosis-endocarditis)] Kast A, et al.
Dtsch Tieraerztl Wochenschr 78:195-8 contd, 15 Mar 71 (Ger)
A hitherto unknown, monkey transmitted, infectious disease] Knauff HG.
Internist (Berlin) 9:388-9, Sep 68 (Ger)
[IX Congress on "Zoonoses in research and practice" in Bad Nauheim]
Schweiz Arch Tierheilkd 113:274, May 71 (Ger)
[The transmission of toxoplasmosis] Pacelli M.
Ann Med Nav (Roma) 75:424-6, Jul-Aug 70 (Ita)
[Epidemiologic study on the ascertained cases of brucellosis in the hospital at Castel di Sangro in the last 6 years in connection with animal enzootics] Di Rocco P. Ig Mod 62:158-67, 1969 (Ita)
[A case of pasteurellosis contracted from a hare] Miyakoda U, et al.
J Jap Soc Intern Med 60:547-50, 10 Jun 71 (Jap)
[Leptospirotic meningitis] Wieligda-Czerepak R.
Pediatr Pol 45:709-11, Jun 70 (Pol)
[Natural foci of alveococcosis in the Magadan region] Lukashenko NP, et al.
Med Parazitol (Mosk) 39:437-42, Jul-Aug 70 (Rus)
[Role of animals and birds as sources of Salmonella infections in man (literature review)] Nikitiuk NM.
Zh Mikrobiol Epidemiol Immunobiol 47:123-30, Oct 70 (95 ref.) (Rus)
[Foot-and-mouth disease in man] Salazhov EL, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:87-90, Jun 70 (Rus)
[An outbreak of brucellosis related to the importation of sick animals] Slesarenko VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:107-9, Sep 70 (Rus)
[Venezuelan equine virus encephalitis in Peru. Apropos of a human case] Roedenbeck SD, et al.
Rev Neuropsiquiatr 33:204-13, Sep 70 (Spa)
[Disorders in the fauna; a warning signal for men] Soller B. Lakartidningen 67:5689-75, 25 Nov 70 (Swe)

CLASSIFICATION

[Which schistosoma infestations are zoonoses?] Deschiens R.
Bull Soc Pathol Exot 62:384-401, 1969 (Fre)
[Which human rickettsioses are actual zoonoses?] Weyer F. Bull Soc Pathol Exot 62:277-85, 1969 (Fre)

DRUG THERAPY

There is but one medicine. Parish LC, et al.
Pa Med 74:65-6, Jan 71

ETIOLOGY

Creeping eruption. Stauffer LW.
Arch Dermatol 103:461, Apr 71
[Paravaccinia infections in man and animal and their relationships] Liebermann H, et al.
Monatsh Vet Med 24:825-30, 1 Nov 69 (Ger)
[A parrot as the source of a human salmonella infection] Lüthgen W, et al.
Z Allgemeinmed 46:1501-4, 31 Oct 70 (Ger)

MICROBIOLOGY

Babesia species isolated from a woman with clinical

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

babesiosis. Ristic M, et al.
Am J Trop Med Hyg 20:14-22, Jan 71
Unusual isolates from clinical material--Balantidium coli. Biagi F. Ann NY Acad Sci 174:1023-6, 30 Oct 70
What is the current status of the viral zoonoses? Steele JH. Arch Environ Health 22:155-62, Jan 71 (18 ref.)
Serologically identical Battey mycobacteria from sputa of healthy piggery workers and lesions of pigs. Reznikov M, et al. Aust Vet J 46:506-7, Dec 70

OCCURRENCE

Frequency of rodents in habitats near Pergamino, Argentina, as related to Junín virus. Lord RD, et al.
Am J Trop Med Hyg 20:338-42, Mar 71
"A minor epidemic" of Yersinia pseudotuberculosis infection. Borowski J, et al.
Bull Pol Med Sci Hist 13:165-8, Oct 70
Filariasis in Rhodesian wild life. Condy JB, et al.
Cent Afr J Med 16:249-51, Nov 70
Tularemia in hamster hunters. Szekelyfoldi J.
Del Med J 42:305-6, Nov 70
On Gastrodiscoides hominis (Lewis and McConnell, 1876) Leiper, 1913 from pigs 9(Sus scrofa domestica) in Madhya Pradesh, its pathology and public health importance. Shrivastav HO, et al.
Indian J Pathol Bacteriol 13:68-72, Apr 70
Epidemiologic implications of feline leukemia virus. Heath CW Jr.
J Am Vet Med Assoc 158:Suppl 2:1119+, 15 Mar 71 (9 ref.)
Mammals of South Vietnam. II. Disease implications. Van Peenen PF, et al. Milit Med 135:391-7, May 70
Mammalian ecology and epidemiology of zoonoses. Muul I. Science 170:1275-9, 18 Dec 70
[Canine angiostrongylosis and its effects on human health] Guilhon J.
Bull Soc Pathol Exot 62:411-21, 1969 (Fre)
[Epidemiology of arbovirus infections in a forested region of South Cameroon] Rickenbach A, et al.
Bull Soc Pathol Exot 62:266-76, 1969 (Fre)
[Toxocariasis in Western Europe] Thienpont D, et al.
Bull Soc Pathol Exot 62:401-6, 1969 (Fre)
[Occupational diseases and job-related problems in animal husbandry] Wolff F.
Monatsh Vet Med 25:615-21, 15 Aug 70 (Ger)
[Toxocariasis caused by dog round worms. A zoonosis of medical importance in Norway?] Forsdahl A, et al.
Tidsskr Nor Laegeforen 91:958-60, 10 May 71 (Nor)
[Anti-Listeria and anti-Brucella agglutinins in rats captured in Rio de Janeiro (Guanabara)] Silva DS da, et al. Rev Bras Med 27:487-90, Oct 70 (Por)
[The seasonal development of epizootics of cutaneous leishmaniasis among Rhombomys opimus under different regional conditions] Dubrovskiĭ IuA, et al.
Med Parazitol (Mosk) 38:443-51, Jul-Aug 69 (Rus)
[The epidemiology and epizootology of opistorchiasis in the Ukraine] Gritsai MK, et al.
Med Parazitol (Mosk) 39:534-7, Sep-Oct 70 (Rus)
[Geographic aspects of the epidemiology of zooanthroponoses (various theoretical and methodological problems)] Vershinskiĭ BV, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:27-40, 1970 (Rus)
[Natural zooanthroponosis foci in rural areas of the Pskovsk district] Vershinskiĭ BV, et al.
Tr Leningr Inst Epidemiol Mikrobiol 37:202-23, 1970 (Rus)
[The role of regional ecologic factors in the epizootology of anthrax. II. A comparative method of evaluating the epizootologic intensity of the territory] Adamovich VL, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:113-7, Aug 70 (Rus)
[Q-fever in wild and domestic animals in various topographic-geographic zones of the Altaĭ region] Granitov VM.
Zh Mikrobiol Epidemiol Immunobiol 48:18-22, Apr 71 (Rus)
[The natural focality of erysipeloid in the southeast Riazansk region] Khomiakov AI, et al.
Zh Mikrobiol Epidemiol Immunobiol 47:131-3, Mar 70 (Rus)
[Epidemiological surveillance of zoonoses on the northern frontier of Mexico] Cárdenas Lara J.
Bol Of Sanit Panam 69:115-21, Aug 70 (Spa)
[Epidemiologic surveillance of the zoonoses at the northern frontier of Mexico] Jorge Cárdenas Lara MV. Salud Publica Mex 11:635-9, Sep-Oct 69 (Spa)
[Hydatidosis in Uruguay. Epidemiologic study (1962-1968)] Purriel P, et al.
Torax 19:149-63, Sep 70 (Spa)

PREVENTION & CONTROL

Health rules for monkeys and apes.
Med J Aust 1:418, 20 Feb 71
Inter-American efforts for animal disease control. Crandell RA. Milit Med 135:378-83, May 70
[Zoonosis and public health] Saiz Moreno L.
Rev Sanid Hig Publica (Madr) 44:691-707, Jun 70 (Spa)
[Epidemiological bases for the coordination of public health services and animal health for the control of zoonoses] Peregrina L.
Salud Publica Mex 13:175-80, Mar-Apr 71 (Spa)

ZOOPHAGINAE see VERTEBRATE VIRUSES (B4)

ZOSTER see HERPES ZOSTER (C1)

ZOXAZOLAMINE (D5)

ANTAGONISTS & INHIBITORS

The effect of prolonged pretreatment with 6-substituted benzo-[a] pyrene derivatives upon zoxazolamine paralysis times in mice. Dewhurst F, et al. Biochem Pharmacol 19:615-7, Feb 70

METABOLISM

Drug metabolism and pharmacologic action in mice exposed to reduced barometric pressure. Medina MA, et al. Biochem Pharmacol 19:2812-6, Oct 70
Inhibition by aflatoxin B1 of rat liver zoxazolamine hydroxylase induction. Pong RS, et al.
Biochem Pharmacol 19:2808-12, Oct 70
[Contribution to the study of the metabolism of zoxazolamine in the rodents] Buchel L.
Arch Sci Physiol (Paris) 25:19-45, 1971 (Fre)

ZUCKERKANDL'S BODIES see under

CHROMAFFIN SYSTEM (A6)

ZYGOMA (A2)

[A case of jugal and extra-gingival ameloblastoma] Viola P.
Pract Otorhinolaryngol (Basel) 33:160-4, 1971 (Fre)
[On fibrous dysplasia of the zygomatic bone] Ferri GR, et al. Otorinolaringol Ital 38:83-102, Jun 70 (Ita)
[Traction of the cervical region of the spine by an apparatus applied to the zygomatic arches] Reut NI.
Ortop Travmatol Protez 31:73-4, Nov 70 (Rus)

ANATOMY & HISTOLOGY

[Anatomical studies on zygomatic bones of human children] Shibuya T, et al.
Shikwa Gakuho 71:1637-44, 1971 (Jap)

INJURIES

Fractured skull and facial bones (case P32).
Can Med Assoc J 104:514-6, 20 Mar 71
Fractures of the zygoma: a follow-up study on 62 patients. Lund K. J Oral Surg 29:557-60, Aug 71
Signs and symptoms of zygomaticomaxillary fractures involving the orbit. Smiler DG, et al.
J Oral Surg 29:103-6, Feb 71
Pseudoankylosis of the mandible after a fracture of the zygomaticomaxillary complex: report of case. Warson RW. J Oral Surg 29:223-4, Mar 71
Simple reduction of "zygomatic arch" fractures. Graham WP 3d, et al. J Trauma 10:874-6, Oct 70
[Fractures of the malar bone (apropos of 85 cases)] Desaulty A, et al.
J Fr Otorhinolaryngol 20:691-9, May 71 (Fre)
[Fractures of the floor and lower border of the orbit and their sequelae] Claux J, et al.
Rev Otoneuroophtalmol 41:463-4, Dec 69 (Fre)
[Procedure of retention of malar fractures by a heterogeneous graft (25 cases)] Cernéa P, et al.
Rev Stomatol Chir Maxillofac 72:103-8, Jan-Feb 71 (Fre)
[Fracture of the zygoma] Grellet M, et al.
Rev Stomatol Chir Maxillofac 71:605-7, Oct-Nov 70 (Fre)
[An unusual fracture of the zygoma] Hervieux J.
Rev Stomatol Chir Maxillofac 72:427-9, Apr-May 71 (Fre)
[Primary restoration of fractures in the temporomandibular joint and zygomatic arch region using osteosynthesis] Böttger G, et al.
Chirurg 42:280-2, Jun 71 (Ger)
[The anatomical and radiological picture of zygomatic bone fractures] Manfredi M, et al.
Minerva Stomatol 19:304-7, Jul-Aug 70 (Ita)
[Operative treatment of malar bone fracture. II. On the closed method] Oura T, et al.
Jap J Plast Reconstr Surg 14:223-33, May 71 (Jap)
[An intraoral method of reduction of the zygoma] Karapetian IS.
Stomatologiia (Mosk) 50:80-2, Jan-Feb 71 (Rus)

RADIOGRAPHY

[Positioning for making roentgen photographs of the zygomatic region] Lifshits PS.
Vestn Rentgenol Radiol 45:75, May-Jun 70 (Rus)

SURGERY

[Abutments for luxations of the temporomandibular joint] Schneck G.
Rev Stomatol Chir Maxillofac 72:596-9, Jul-Aug 71 (Fre)

ZYGOMYCETES see under PHYCOMYCETES (B5)

ZYLOPRIM see ALLOPURINOL (D9)

ZYMOSAN (D11)

ADMINISTRATION & DOSAGE

[Relations between properdin and tumor resistance] Pfordte K. Z Gesamte Hyg 16:450-8, 1 Jun 70 (Ger)
[Experimental aspermatogenesis induced by autoimmunization. 3. Aspermatogenesis in the hamster treated with homologous testis and zymosan adjuvant] Vermiglio G, et al.
Riv Patol Clin Sper 10:233-49, Jul-Dec 69 (Ita)

PHARMACODYNAMICS

Complement as a factor in arteriosclerosis. Geertinger P, et al. Acta Pathol Microbiol Scand [A] 78:284-8, 1970
Response of host organism on Zymosan application. (A clinical study). Cron J. Neoplasma 17:613-9, 1970

THERAPEUTIC USE

Growth of transplantable tumours in animals during combined treatment with cytostatics and yeast cell wall polysaccharide zymosan. Pfordte K, et al.
Neoplasma 18:173-7, 1971
[Reticuloendothelial system stimulation with Zymosan for treatment of late post-irradiation ulcers] Dobrek Z, et al. Pol Tyg Lek 26:84-5, 18 Jan 71 (Pol)
[Administration of zymosan in the complex therapy of uterine and ovarian neoplasms] Legun AD.
Pediatr Akush Ginekol 5:54-6, Sep-Oct 70 (Ukr)

The meaning of the alphanumeric code after each subject heading, and other information helpful to the user of these volumes, will be found on the pages preceding the Author Index.

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